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 : P4475

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4475

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4475-01	BP-VPB-190-TB-20241018
P4475-02	BP-VPB-190-DUP-20241018
P4475-03	BP-VPB-190-GW-223-225
P4475-04	BP-VPB-190-GW-238-240
P4475-05	BP-VPB-190-GW-258-260
P4475-06	BP-VPB-190-GW-278-280

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: 10/28/2024

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 # P4475
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
6 Water samples were received on 10/21/2024.

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 met the requirements .
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.

The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

QA Control # A3040960

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: P4475 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 met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4475

	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:** 10/28/2024

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LAB CHRONICLE

OrderID:	P4475	**OrderDate:**	10/22/2024 10:05:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4475-01	**BP-VPB-190-TB-20241018**	**Water**			**10/18/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	
P4475-02	**BP-VPB-190-DUP-20241018**	**Water**			**10/18/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	
P4475-03	**BP-VPB-190-GW-223-225**	**Water**			**10/18/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	
P4475-04	**BP-VPB-190-GW-238-240**	**Water**			**10/18/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	
P4475-05	**BP-VPB-190-GW-258-260**	**Water**			**10/21/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	
P4475-06	**BP-VPB-190-GW-278-280**	**Water**			**10/21/24**			**10/21/24**
			VOCMS Group1	8260-Low			10/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4475

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-190-GW-238-240**								
P4475-04	BP-VPB-190-GW-2	Water	Trichloroethene	1.10		0.32	0.75	1.00	ug/L
			Total Voc :	1.10					
			Total Concentration:	1.10					

QC SUMMARY

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Surrogate Summary

SDG No.: P4475

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4475-01	BP-VPB-190-TB-20241018	1,2-Dichloroethane-d4	50	46.0	92	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	45.6	91	85	114
P4475-02	BP-VPB-190-DUP-20241018	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
P4475-03	BP-VPB-190-GW-223-225	1,2-Dichloroethane-d4	50	48.5	97	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	49.8	99	89	112
		4-Bromofluorobenzene	50	46.1	92	85	114
P4475-04	BP-VPB-190-GW-238-240	1,2-Dichloroethane-d4	50	46.3	93	81	118
		Dibromofluoromethane	50	50.2	100	80	119
		Toluene-d8	50	48.9	98	89	112
		4-Bromofluorobenzene	50	46.4	93	85	114
P4475-05	BP-VPB-190-GW-258-260	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
P4475-06	BP-VPB-190-GW-278-280	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	46.4	93	85	114
VN1022WBL01	VN1022WBL01	1,2-Dichloroethane-d4	50	45.7	91	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	45.0	90	85	114
VN1022WBS01	VN1022WBS01	1,2-Dichloroethane-d4	50	46.2	92	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
VN1022WBSD0	VN1022WBSD01	1,2-Dichloroethane-d4	50	49.1	98	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	48.0	96	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4475

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1022WBS01	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	16.5	ug/L	83			58	137	
	Bromomethane	20	17.0	ug/L	85			53	141	
	Chloroethane	20	14.8	ug/L	74			60	138	
	Trichlorofluoromethane	20	17.3	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.8	ug/L	89			70	136	
	1,1-Dichloroethene	20	18.2	ug/L	91			71	131	
	Acetone	100	81.7	ug/L	82			39	160	
	Carbon disulfide	20	16.3	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	17.7	ug/L	89			71	124	
	Methylene Chloride	20	18.2	ug/L	91			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.5	ug/L	93			77	125	
	2-Butanone	100	87.6	ug/L	88			56	143	
	Carbon Tetrachloride	20	18.8	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			78	123	
	Chloroform	20	18.7	ug/L	94			79	124	
	1,1,1-Trichloroethane	20	18.2	ug/L	91			74	131	
	Methylcyclohexane	20	17.5	ug/L	88			72	132	
	Benzene	20	18.7	ug/L	94			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	19.0	ug/L	95			79	123	
	1,2-Dichloropropane	20	19.0	ug/L	95			78	122	
	Bromodichloromethane	20	19.0	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	92.2	ug/L	92			67	130	
	Toluene	20	19.2	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.6	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			80	119	
	2-Hexanone	100	91.4	ug/L	91			57	139	
	Dibromochloromethane	20	19.6	ug/L	98			74	126	
	Tetrachloroethene	20	18.4	ug/L	92			74	129	
	Chlorobenzene	20	18.7	ug/L	94			82	118	
	Ethyl Benzene	20	18.1	ug/L	91			79	121	
	m/p-Xylenes	40	37.8	ug/L	95			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.2	ug/L	96			78	123	
	Bromoform	20	19.2	ug/L	96			66	130	
	Isopropylbenzene	20	18.0	ug/L	90			72	131	
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92			71	121	
	1,3-Dichlorobenzene	20	18.2	ug/L	91			80	119	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4475

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1022WBSD01	Chloromethane	20	16.1	ug/L	81	3		50	139	20
	Vinyl chloride	20	16.5	ug/L	83	0		58	137	20
	Bromomethane	20	18.0	ug/L	90	6		53	141	20
	Chloroethane	20	15.7	ug/L	79	7		60	138	20
	Trichlorofluoromethane	20	17.9	ug/L	90	5		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	3		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	1		71	131	20
	Acetone	100	84.1	ug/L	84	2		39	160	20
	Carbon disulfide	20	16.6	ug/L	83	2		64	133	20
	Methyl tert-butyl Ether	20	19.6	ug/L	98	10		71	124	20
	Methylene Chloride	20	19.8	ug/L	99	8		74	124	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	6		75	124	20
	1,1-Dichloroethane	20	19.6	ug/L	98	5		77	125	20
	2-Butanone	100	92.3	ug/L	92	4		56	143	20
	Carbon Tetrachloride	20	18.6	ug/L	93	1		72	136	20
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	6		78	123	20
	Chloroform	20	19.4	ug/L	97	3		79	124	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	4		74	131	20
	Methylcyclohexane	20	17.3	ug/L	86	2		72	132	20
	Benzene	20	18.9	ug/L	95	1		79	120	20
	1,2-Dichloroethane	20	19.6	ug/L	98	6		73	128	20
	Trichloroethene	20	18.8	ug/L	94	1		79	123	20
	1,2-Dichloropropane	20	20.0	ug/L	100	5		78	122	20
	Bromodichloromethane	20	19.8	ug/L	99	4		79	125	20
	4-Methyl-2-Pentanone	100	99.8	ug/L	100	8		67	130	20
	Toluene	20	19.0	ug/L	95	1		80	121	20
	t-1,3-Dichloropropene	20	19.0	ug/L	95	2		73	127	20
	cis-1,3-Dichloropropene	20	19.1	ug/L	96	4		75	124	20
	1,1,2-Trichloroethane	20	20.9	ug/L	104	2		80	119	20
	2-Hexanone	100	96.4	ug/L	96	5		57	139	20
	Dibromochloromethane	20	20.9	ug/L	104	6		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	4		74	129	20
	Chlorobenzene	20	19.6	ug/L	98	4		82	118	20
	Ethyl Benzene	20	18.2	ug/L	91	0		79	121	20
	m/p-Xylenes	40	38.8	ug/L	97	2		80	121	20
	o-Xylene	20	19.0	ug/L	95	1		78	122	20
	Styrene	20	19.4	ug/L	97	1		78	123	20
	Bromoform	20	20.1	ug/L	101	5		66	130	20
	Isopropylbenzene	20	18.2	ug/L	91	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100	8		71	121	20
	1,3-Dichlorobenzene	20	18.7	ug/L	94	3		80	119	20
	1,4-Dichlorobenzene	20	18.9	ug/L	95	8		79	118	20
	1,2-Dichlorobenzene	20	18.5	ug/L	93	4		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1022WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4475 SAS No.: P4475 SDG NO.: P4475

Lab File ID: VN084452.D Lab Sample ID: VN1022WBL01

Date Analyzed: 10/22/2024 Time Analyzed: 13:38

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
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024
BP-VPB-190-GW-238-240	P4475-04	VN084455.D	10/22/2024
BP-VPB-190-TB-20241018	P4475-01	VN084456.D	10/22/2024
BP-VPB-190-GW-258-260	P4475-05	VN084458.D	10/22/2024
BP-VPB-190-GW-278-280	P4475-06	VN084459.D	10/22/2024
BP-VPB-190-GW-223-225	P4475-03	VN084460.D	10/22/2024
BP-VPB-190-DUP-20241018	P4475-02	VN084461.D	10/22/2024

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4475 SAS No.: P4475 SDG NO.: P4475

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.: P4475 SAS No.: P4475 SDG NO.: P4475

Lab File ID: VN084449.D BFB Injection Date: 10/22/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
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
173	Less than 2.0% of mass 174	1.2 (1.7) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	70.5 (95.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 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
VSTDCCC050	VSTDCCC050	VN084450.D	10/22/2024	12:50
VN1022WBL01	VN1022WBL01	VN084452.D	10/22/2024	13:38
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024	14:01
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024	14:45
BP-VPB-190-GW-238-240	P4475-04	VN084455.D	10/22/2024	15:09
BP-VPB-190-TB-20241018	P4475-01	VN084456.D	10/22/2024	15:33
BP-VPB-190-GW-258-260	P4475-05	VN084458.D	10/22/2024	16:45
BP-VPB-190-GW-278-280	P4475-06	VN084459.D	10/22/2024	17:09
BP-VPB-190-GW-223-225	P4475-03	VN084460.D	10/22/2024	17:33
BP-VPB-190-DUP-20241018	P4475-02	VN084461.D	10/22/2024	17:57
VSTDCCC050EC	VSTDCCC050	VN084464.D	10/22/2024	19:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4475 SAS No.: P4475 SDG NO.: P4475

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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	171974	8.22	293014	9.10	264421	11.87
UPPER LIMIT	343948	8.724	586028	9.6	528842	12.365
LOWER LIMIT	85987	7.724	146507	8.6	132211	11.365
EPA SAMPLE NO.						
BP-VPB-190-TB-20241018	187259	8.22	314405	9.10	266392	11.87
BP-VPB-190-DUP-20241018	163076	8.22	278181	9.10	246196	11.87
BP-VPB-190-GW-223-225	166570	8.22	283884	9.11	246455	11.87
BP-VPB-190-GW-238-240	173757	8.22	291051	9.10	247138	11.87
BP-VPB-190-GW-258-260	160725	8.22	277213	9.10	244441	11.87
BP-VPB-190-GW-278-280	157977	8.23	281977	9.10	245983	11.87
VN1022WBL01	195991	8.22	325943	9.10	276681	11.87
VN1022WBS01	177710	8.22	304170	9.10	270028	11.87
VN1022WBSD01	162648	8.22	284290	9.10	251894	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.: P4475 SAS No.: P4475 SDG NO.: P4475

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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

	IS4 AREA #	RT #				
12 HOUR STD	131065	13.788				
UPPER LIMIT	262130	14.288				
LOWER LIMIT	65532.5	13.288				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241018	103875	13.79				
BP-VPB-190-DUP-20241018	100139	13.79				
BP-VPB-190-GW-223-225	98200	13.79				
BP-VPB-190-GW-238-240	100728	13.79				
BP-VPB-190-GW-258-260	99804	13.79				
BP-VPB-190-GW-278-280	100831	13.79				
VN1022WBL01	106919	13.79				
VN1022WBS01	132421	13.79				
VN1022WBSD01	120786	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-TB-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-01	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
VN084456.D	1		10/22/24 15:33	VN102224

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
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-TB-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-01	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
VN084456.D	1		10/22/24 15:33	VN102224

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	46.0		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	8.224				
540-36-3	1,4-Difluorobenzene	314000	9.1				
3114-55-4	Chlorobenzene-d5	266000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-TB-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-01	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
VN084456.D	1		10/22/24 15:33	VN102224

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\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Quant Time: Oct 23 01:29:52 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	187259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127799	46.029	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.060%			
35) Dibromofluoromethane	8.165	113	105226	50.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	374449	49.102	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.847	95	126627	45.579	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.160%			

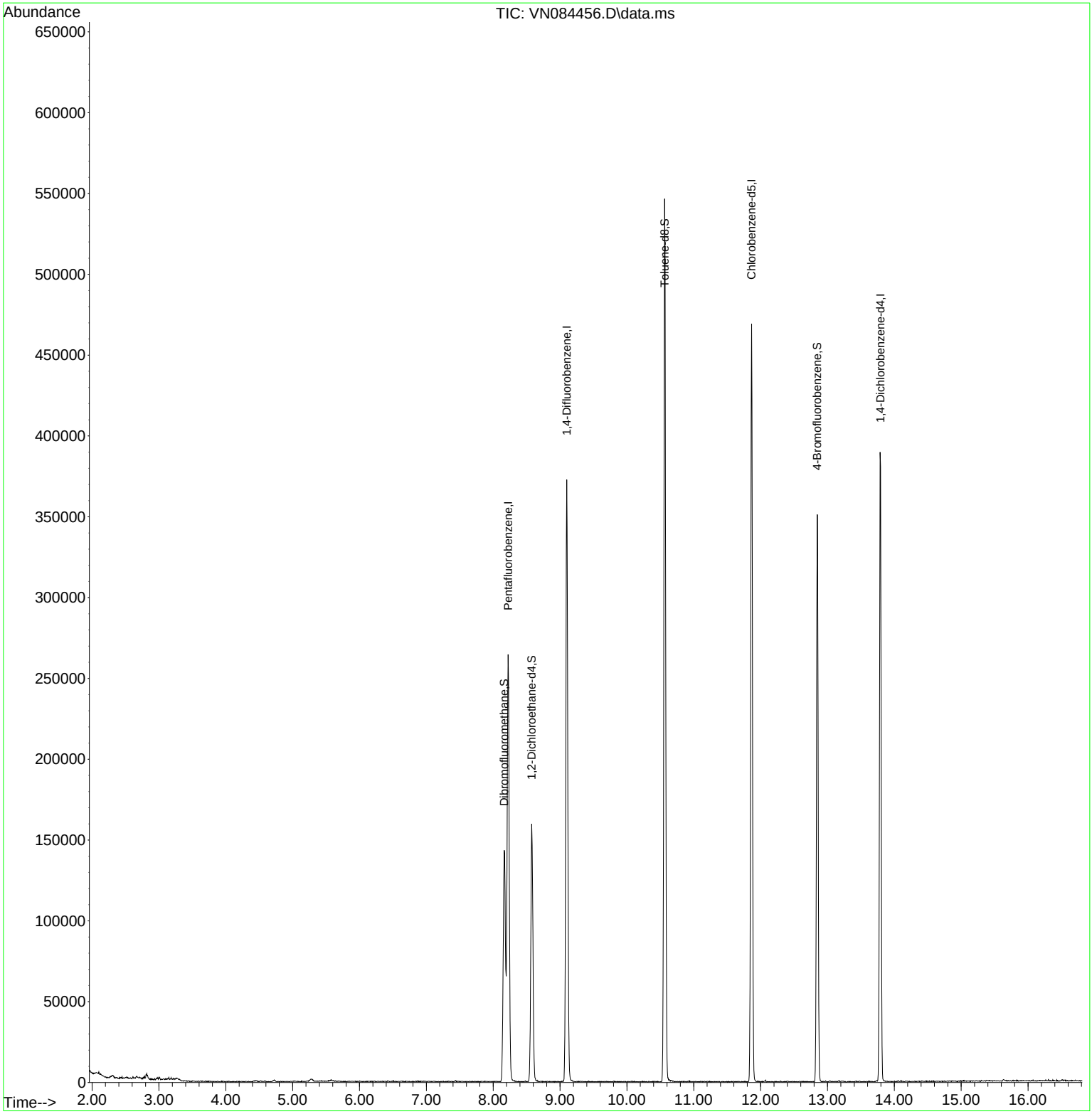
Target Compounds Qvalue

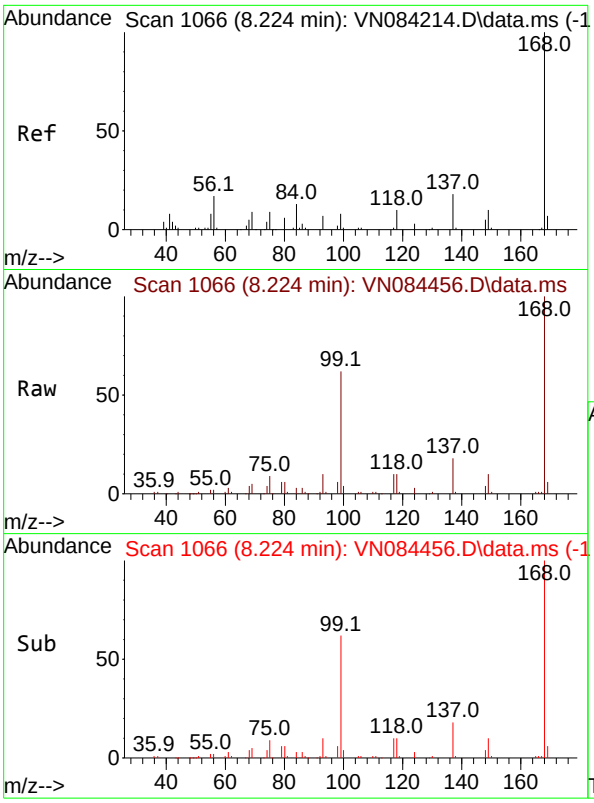
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Quant Time: Oct 23 01:29:52 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



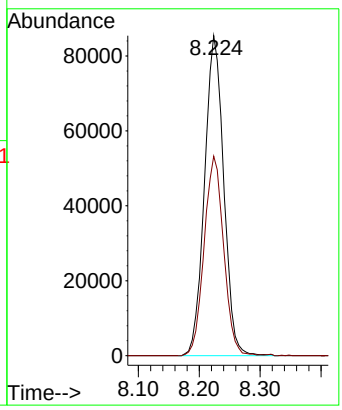


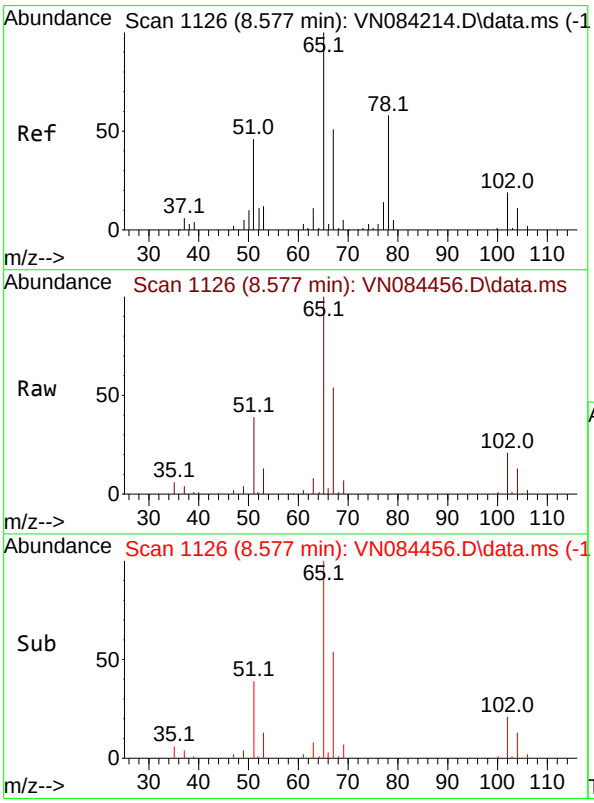
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Tgt Ion:168 Resp: 187259

Ion	Ratio	Lower	Upper
168	100		
99	62.3	54.2	81.2

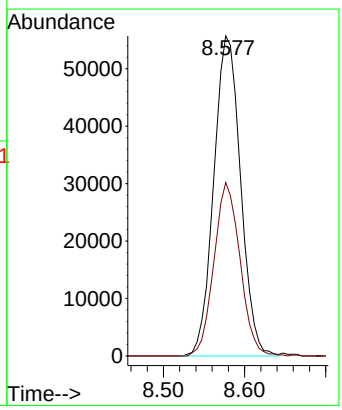


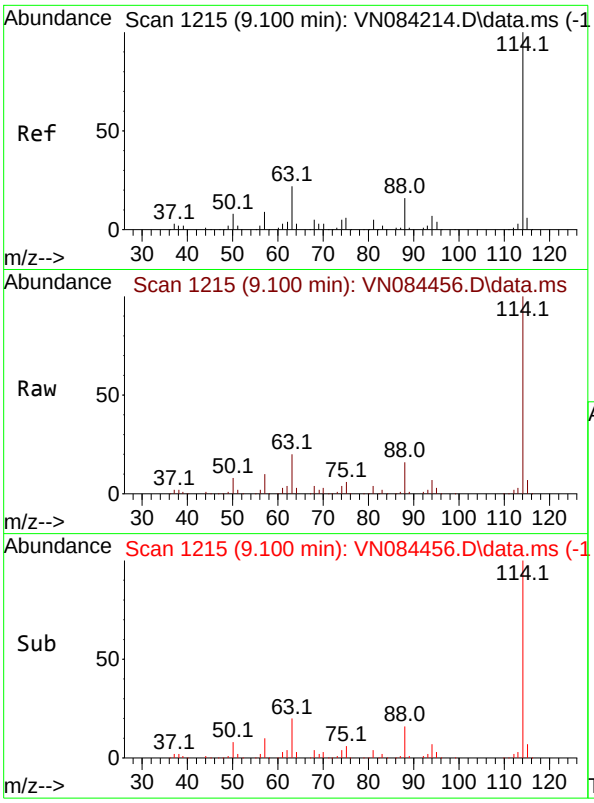


#33
1,2-Dichloroethane-d4
Concen: 46.029 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Tgt Ion: 65 Resp: 127799

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0



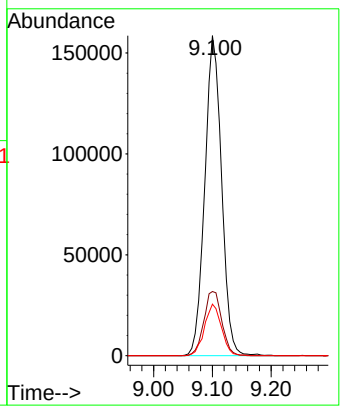


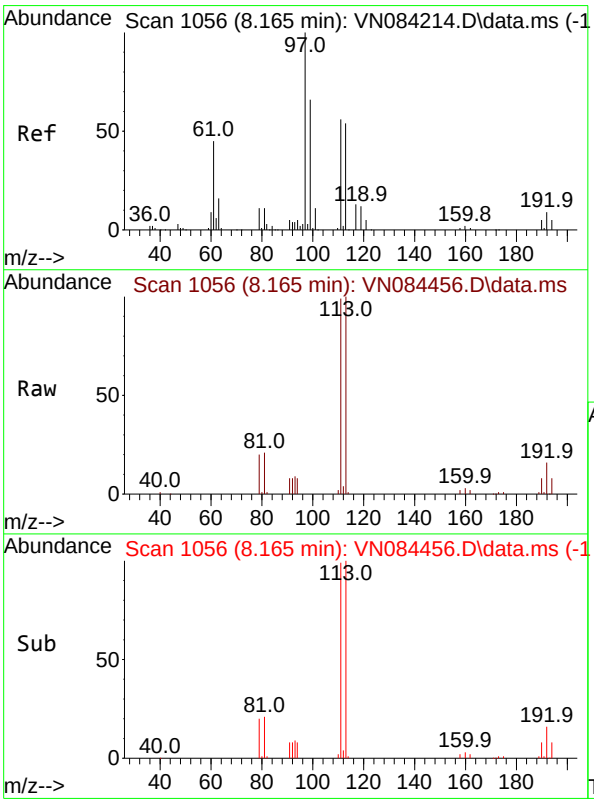
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Tgt Ion:114 Resp: 314405

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	16.1	0.0	31.6

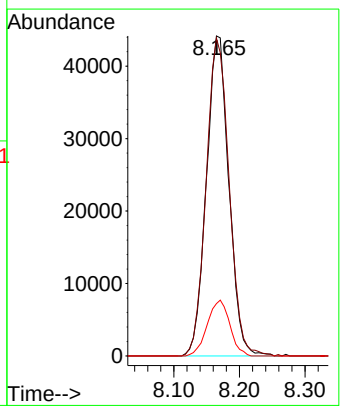


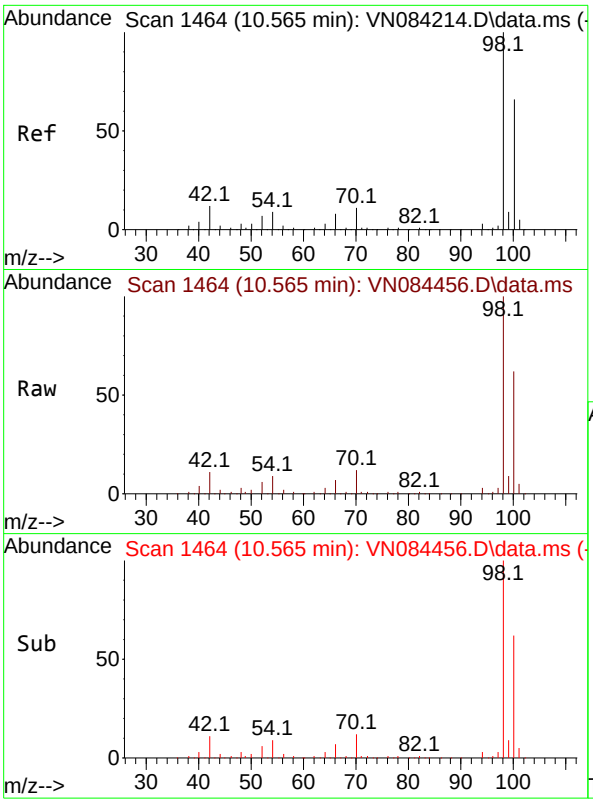


#35
Dibromofluoromethane
Concen: 50.766 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Tgt Ion:113 Resp: 105226

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.3	124.9
192	17.5	13.5	20.3



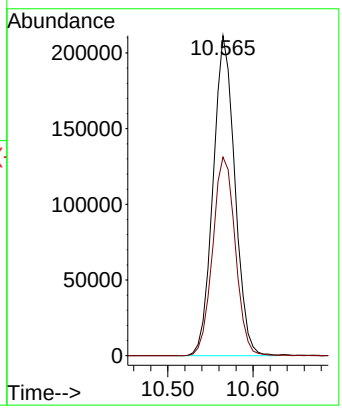


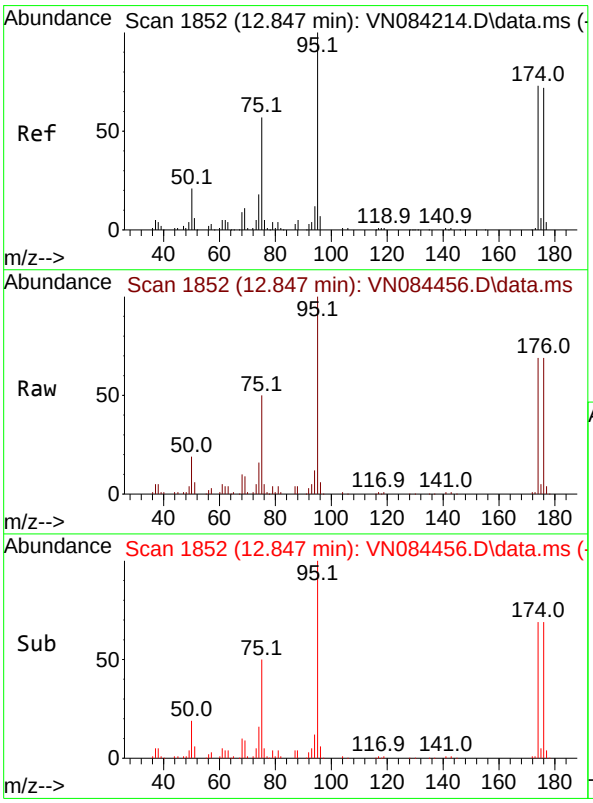
#50
Toluene-d8
Concen: 49.102 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Tgt Ion: 98 Resp: 374449

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

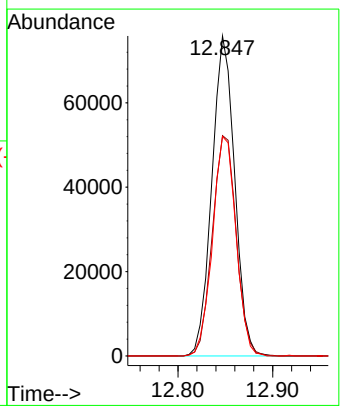


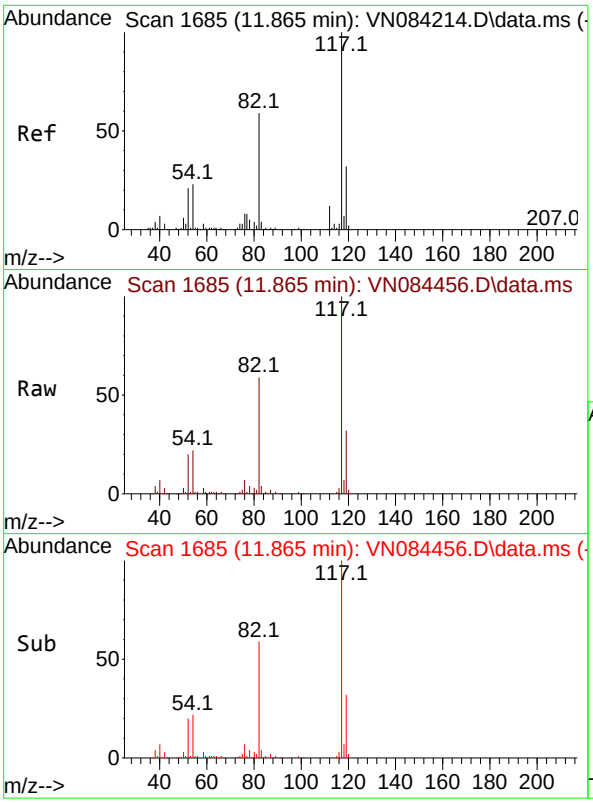


#62
4-Bromofluorobenzene
Concen: 45.579 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Tgt Ion: 95 Resp: 126627

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.2
176	70.8	0.0	140.0



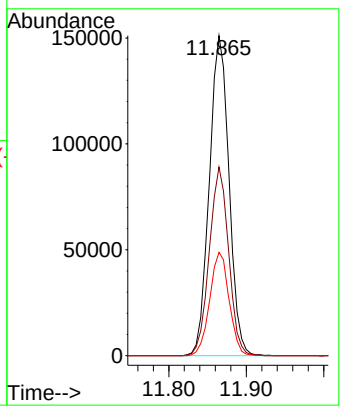


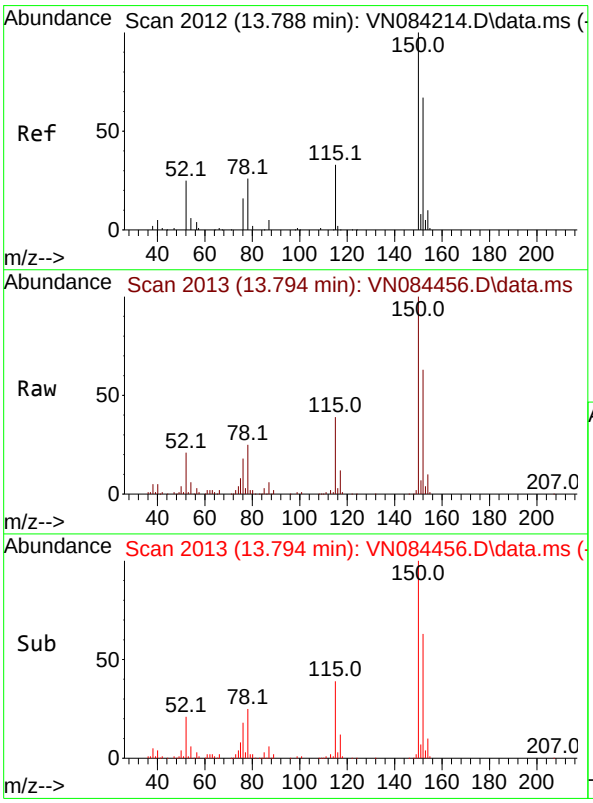
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

Tgt Ion:117 Resp: 266392

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	32.3	25.4	38.0

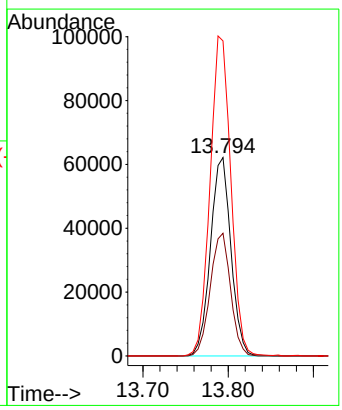




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084456.D
Acq: 22 Oct 2024 15:33

Tgt Ion:152 Resp: 103875

Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.3	93.9
150	163.3	0.0	349.8



Sample Results: **VN084456.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

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: VN084456.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	143092	347237	35.13%	6.815%
2	8.224	1061	1066	1079	rVB	263933	574550	58.12%	11.276%
3	8.577	1117	1126	1140	rBV	159468	353209	35.73%	6.932%
4	9.100	1205	1215	1226	rBV	372432	746724	75.54%	14.655%
5	10.565	1456	1464	1474	rBV	546203	988511	100.00%	19.400%
6	11.865	1676	1685	1699	rBV	468958	830738	84.04%	16.304%
7	12.847	1844	1852	1863	rBV	350958	599187	60.62%	11.759%
8	13.788	2005	2012	2023	rBV	389153	655240	66.29%	12.859%

Sum of corrected areas: 5095396

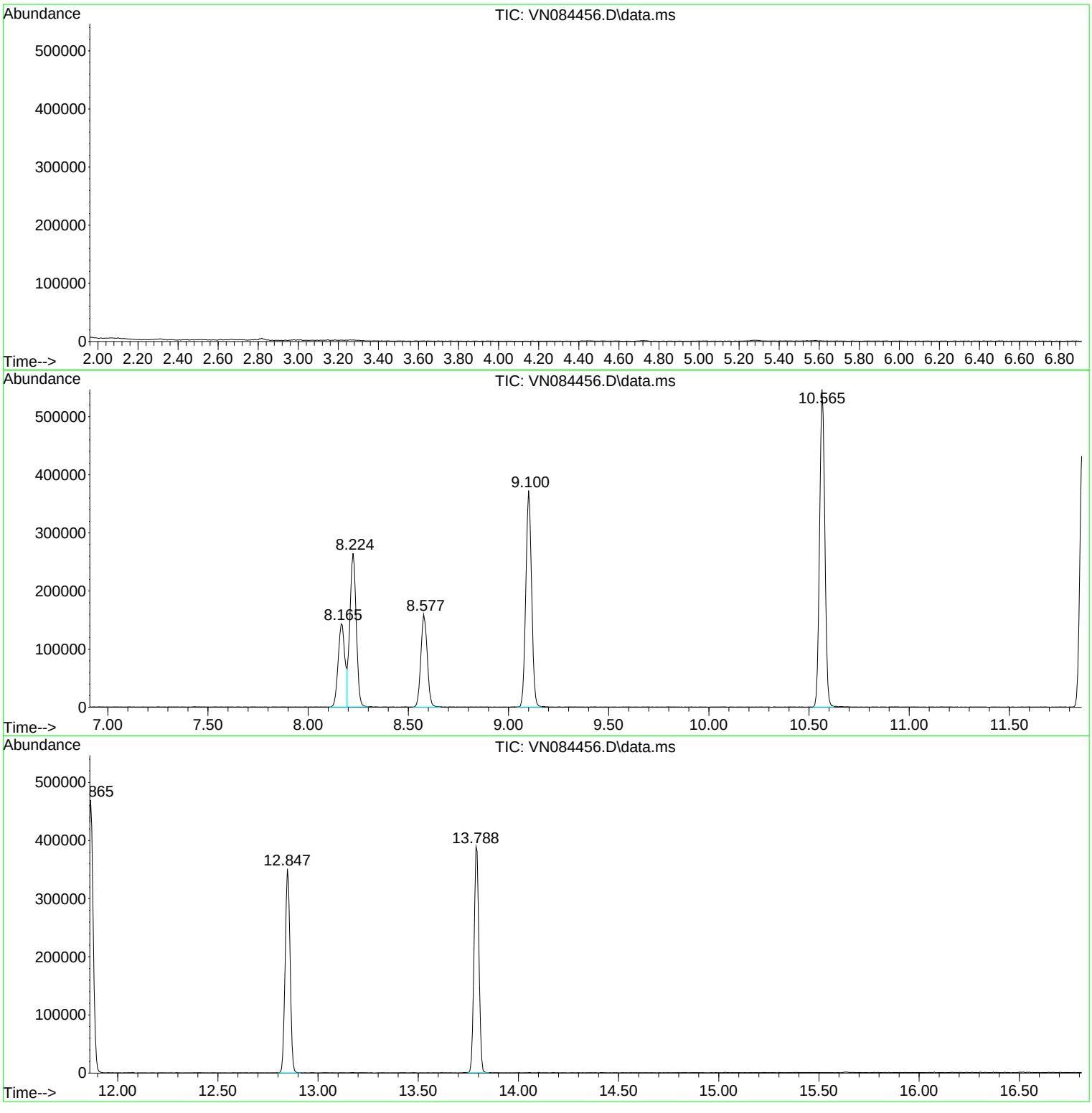
Sample Results: **VN084456.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

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\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

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\VN102224\
Data File : VN084456.D
Acq On : 22 Oct 2024 15:33
Operator : JC\MD
Sample : P4475-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241018

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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-DUP-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-02	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
VN084461.D	1		10/22/24 17:57	VN102224

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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-DUP-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-02	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
VN084461.D	1		10/22/24 17:57	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	278000	9.1				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	100000	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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-DUP-20241018	SDG No.:	P4475
Lab Sample ID:	P4475-02	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
VN084461.D	1		10/22/24 17:57	VN102224

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\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Quant Time: Oct 23 01:31:50 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	163076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	119877	49.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.160%			
35) Dibromofluoromethane	8.165	113	96551	52.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.300%			
50) Toluene-d8	10.565	98	339927	50.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.847	95	116722	47.485	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.960%			

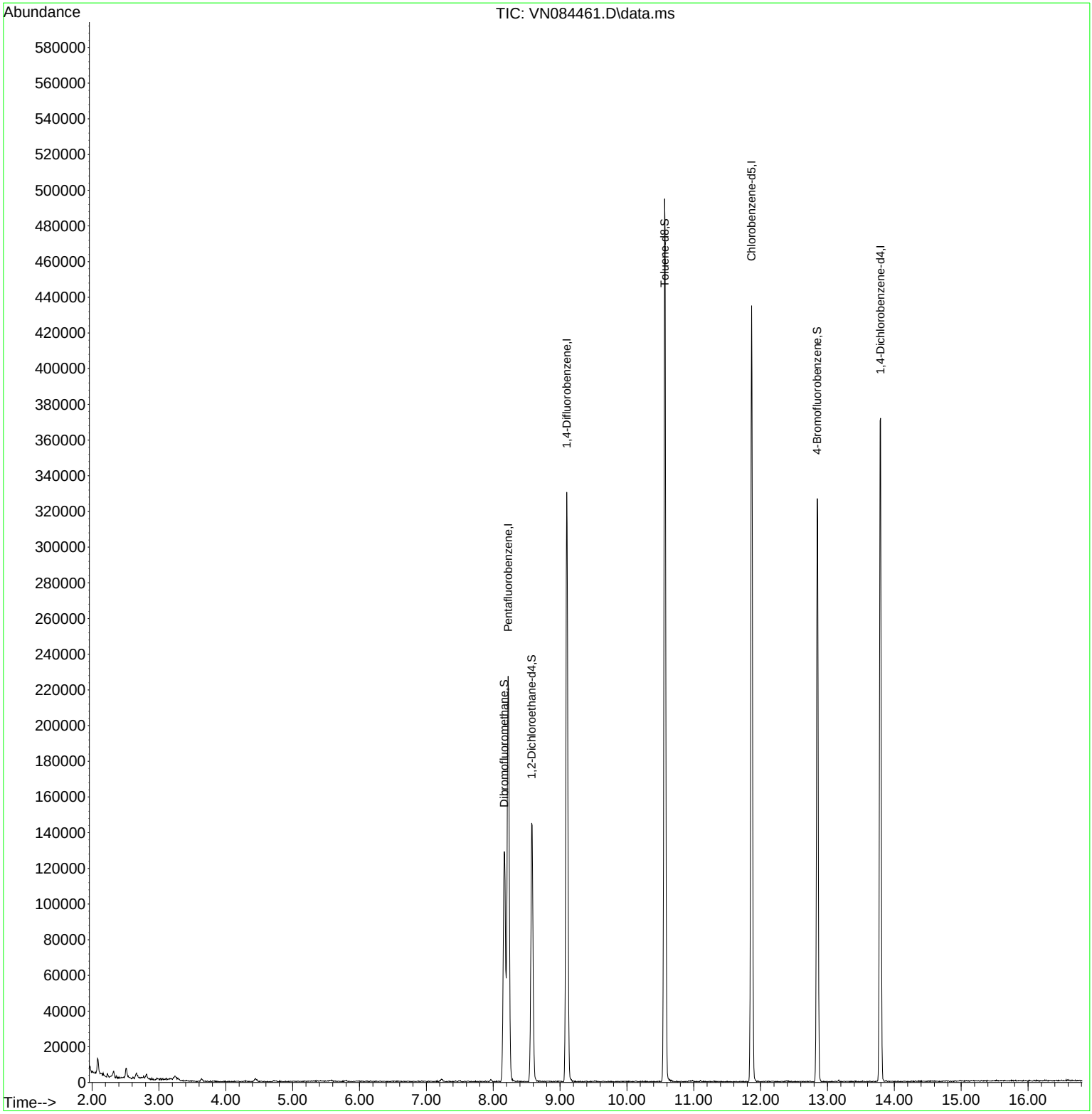
Target Compounds Qvalue

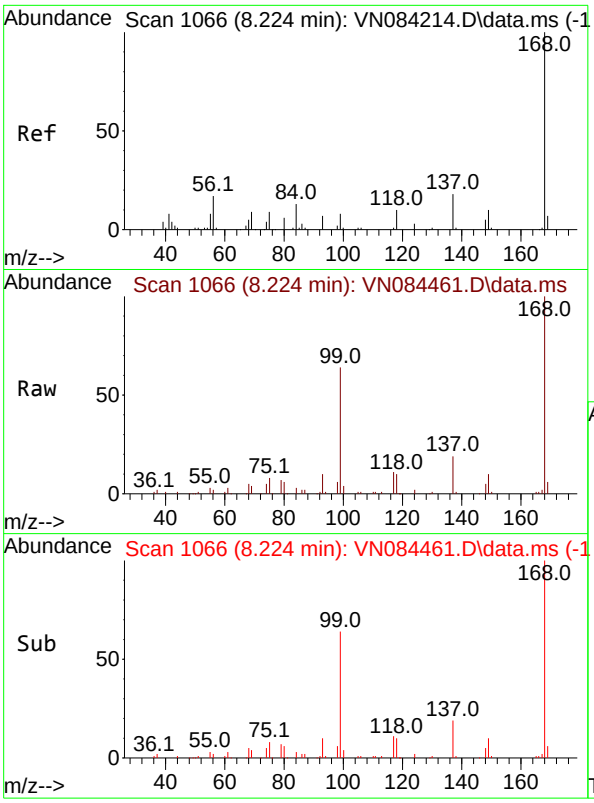
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Quant Time: Oct 23 01:31:50 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



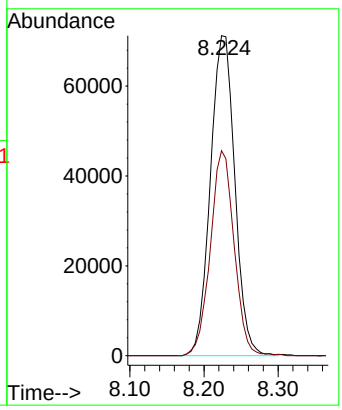


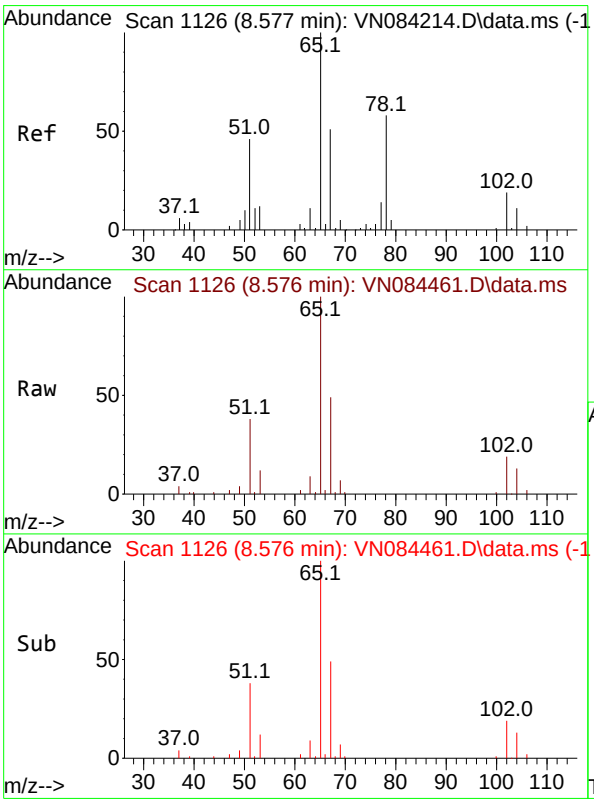
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Tgt Ion:168 Resp: 163076

Ion	Ratio	Lower	Upper
168	100		
99	64.1	54.2	81.2

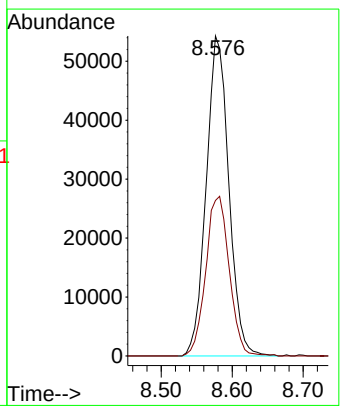


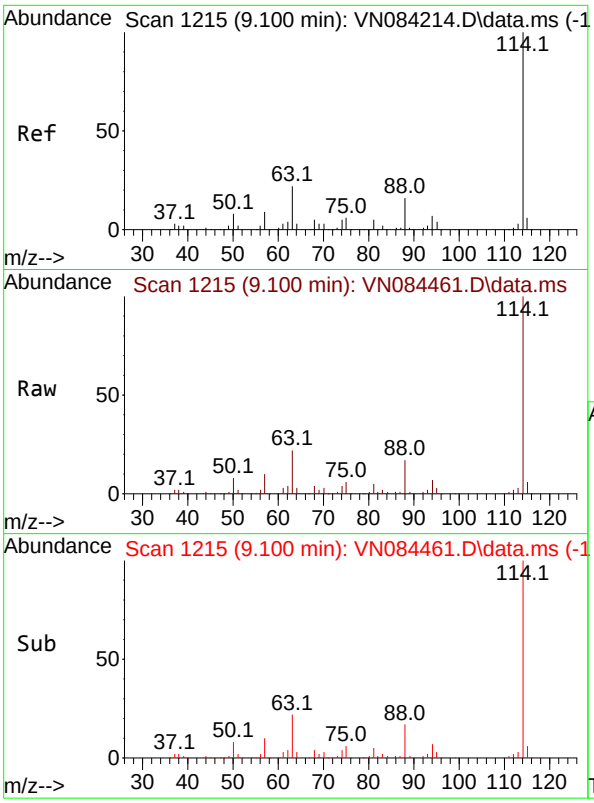


#33
1,2-Dichloroethane-d4
Concen: 49.579 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Tgt Ion: 65 Resp: 119877

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



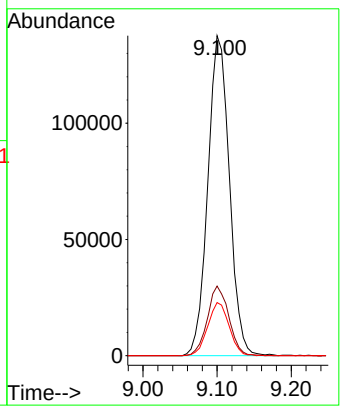


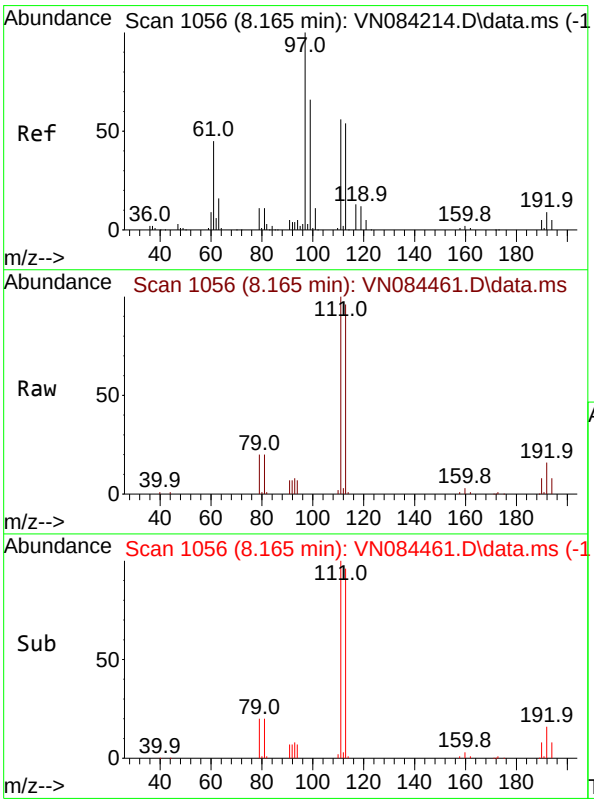
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Tgt Ion:114 Resp: 278181

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.6	0.0	31.6

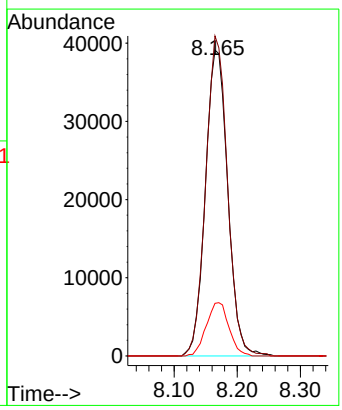


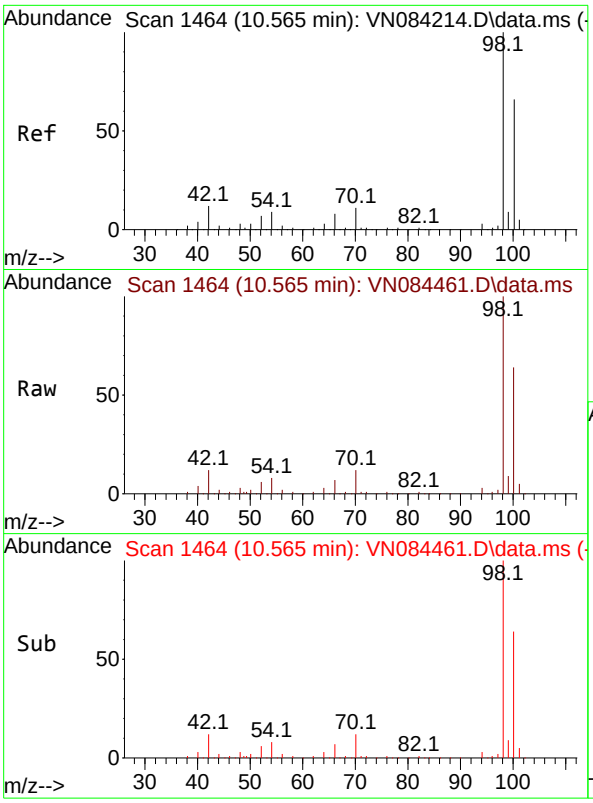


#35
Dibromofluoromethane
Concen: 52.647 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Tgt Ion:113 Resp: 96551

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.3	124.9
192	17.6	13.5	20.3



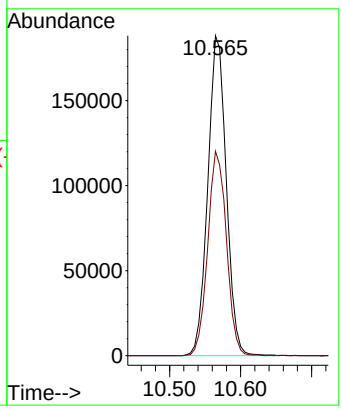


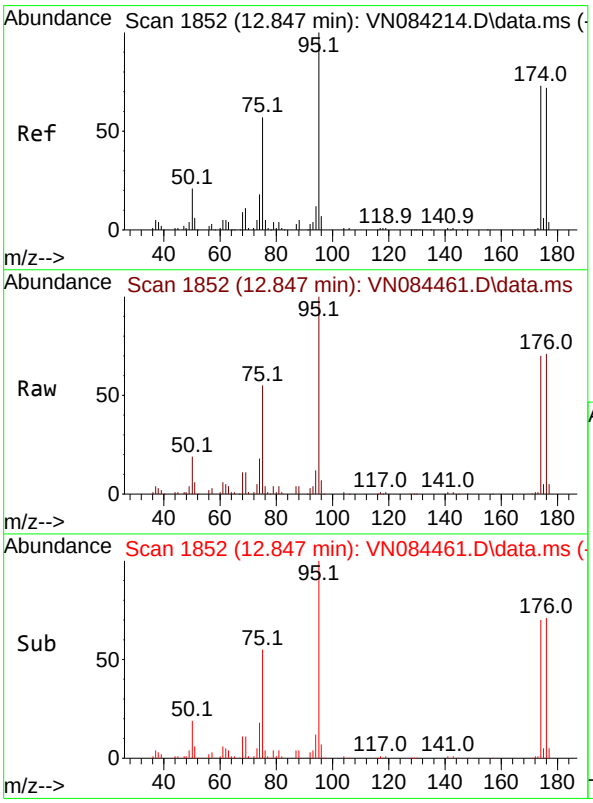
#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Tgt Ion: 98 Resp: 339927

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

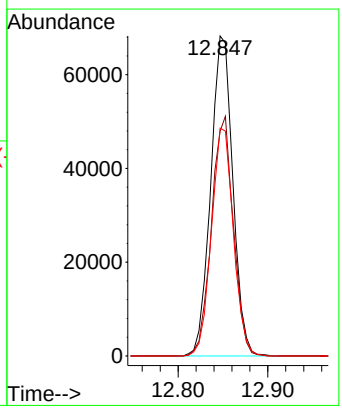


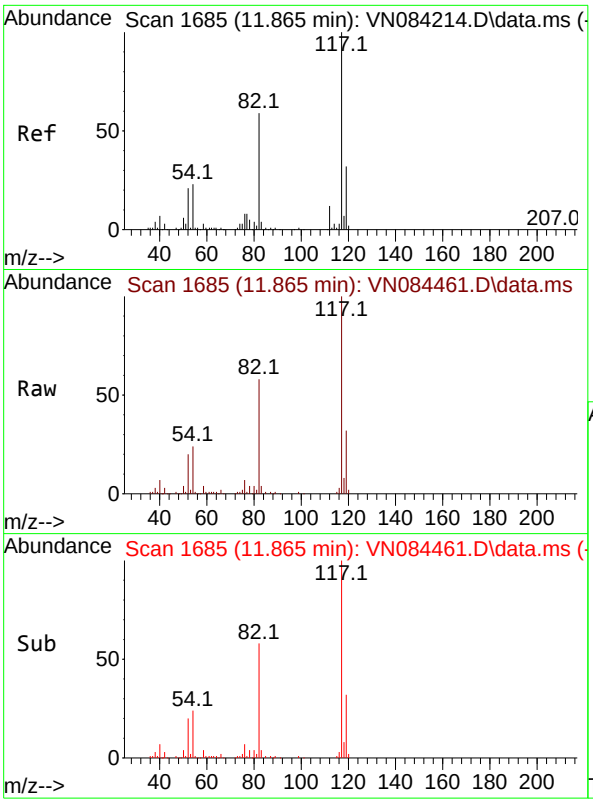


#62
4-Bromofluorobenzene
Concen: 47.485 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Tgt Ion: 95 Resp: 116722

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	70.8	0.0	140.0



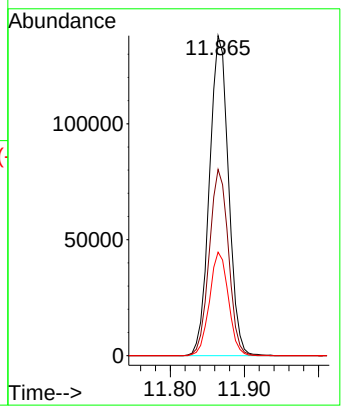


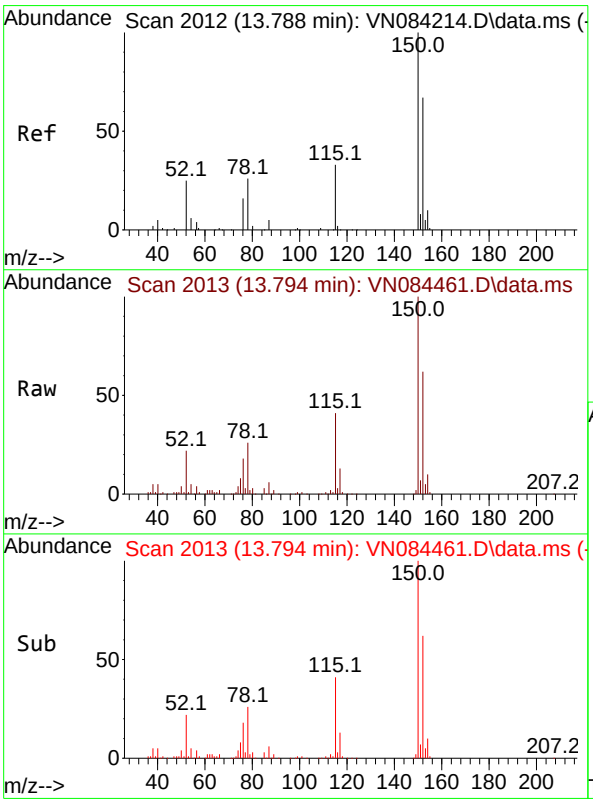
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

Tgt Ion:117 Resp: 246196

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.3	25.4	38.0

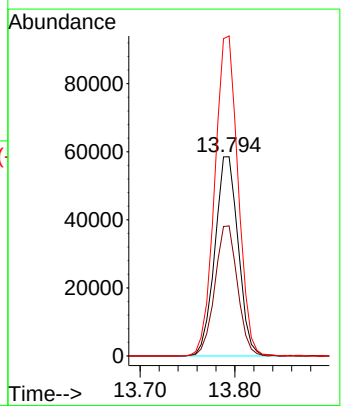




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084461.D
Acq: 22 Oct 2024 17:57

Tgt Ion:152 Resp: 100139

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	160.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

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: VN084461.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	28	rVB2	8597	13511	1.50%	0.288%
2	2.512	90	95	103	rBV3	5398	9596	1.06%	0.204%
3	8.165	1046	1056	1061	rBV	129215	317242	35.17%	6.758%
4	8.224	1061	1066	1078	rVB	226862	503511	55.82%	10.725%
5	8.576	1118	1126	1139	rBV	145013	326611	36.21%	6.957%
6	9.100	1206	1215	1229	rBV	330415	666416	73.88%	14.195%
7	10.565	1456	1464	1476	rBV	494673	902029	100.00%	19.214%
8	11.865	1676	1685	1696	rBV	435062	768902	85.24%	16.378%
9	12.847	1845	1852	1862	rBV	326746	554887	61.52%	11.820%
10	13.794	2005	2013	2022	rVB	371625	631955	70.06%	13.461%

Sum of corrected areas: 4694660

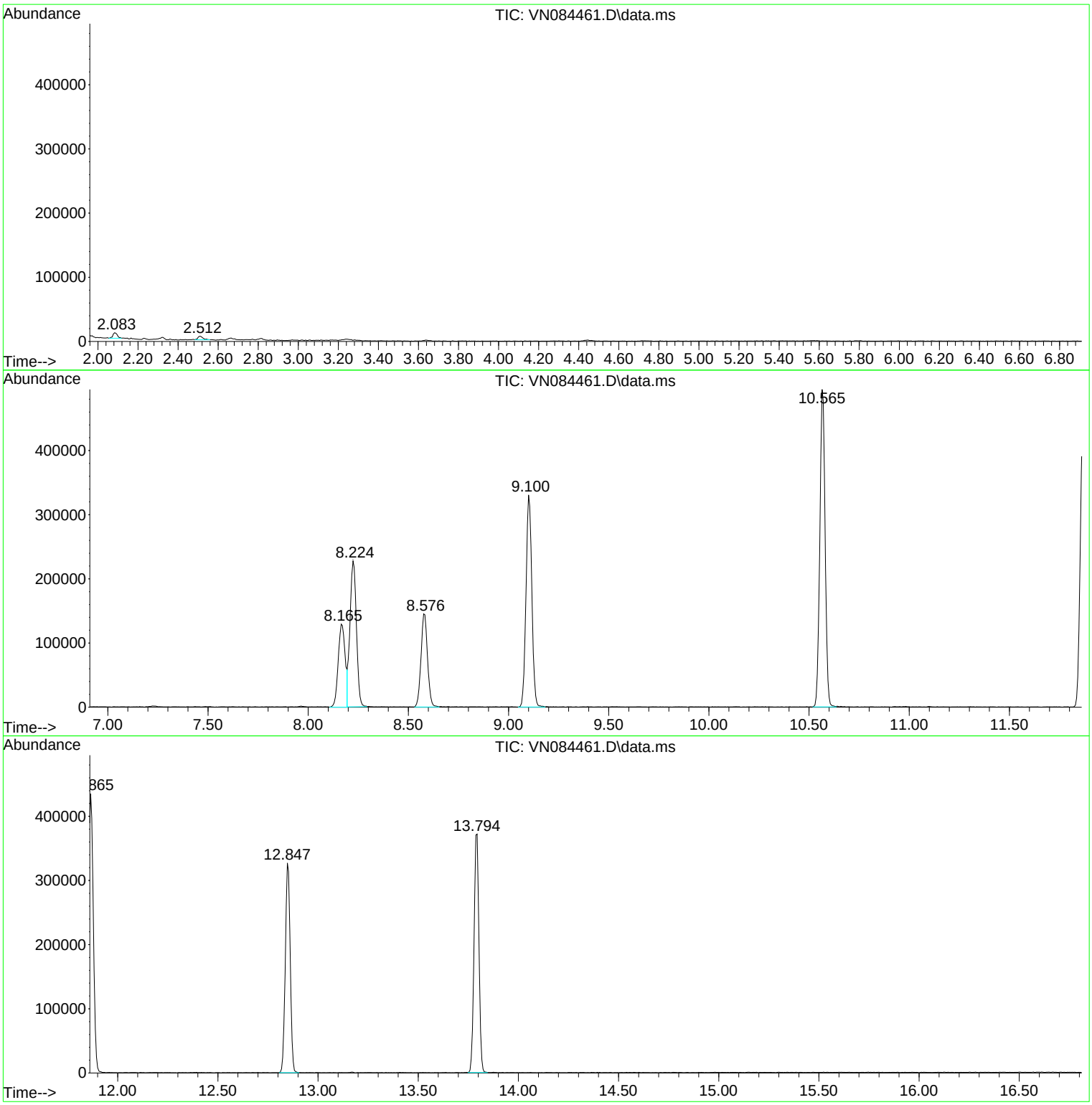
Sample Results: **VN084461.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

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\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

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\VN102224\
Data File : VN084461.D
Acq On : 22 Oct 2024 17:57
Operator : JC\MD
Sample : P4475-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241018

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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-223-225	SDG No.:	P4475
Lab Sample ID:	P4475-03	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
VN084460.D	1		10/22/24 17:33	VN102224

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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-223-225	SDG No.:	P4475
Lab Sample ID:	P4475-03	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
VN084460.D	1		10/22/24 17:33	VN102224

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	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	8.224				
540-36-3	1,4-Difluorobenzene	284000	9.106				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	98200	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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-223-225	SDG No.:	P4475
Lab Sample ID:	P4475-03	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
VN084460.D	1		10/22/24 17:33	VN102224

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\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Quant Time: Oct 23 01:31:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

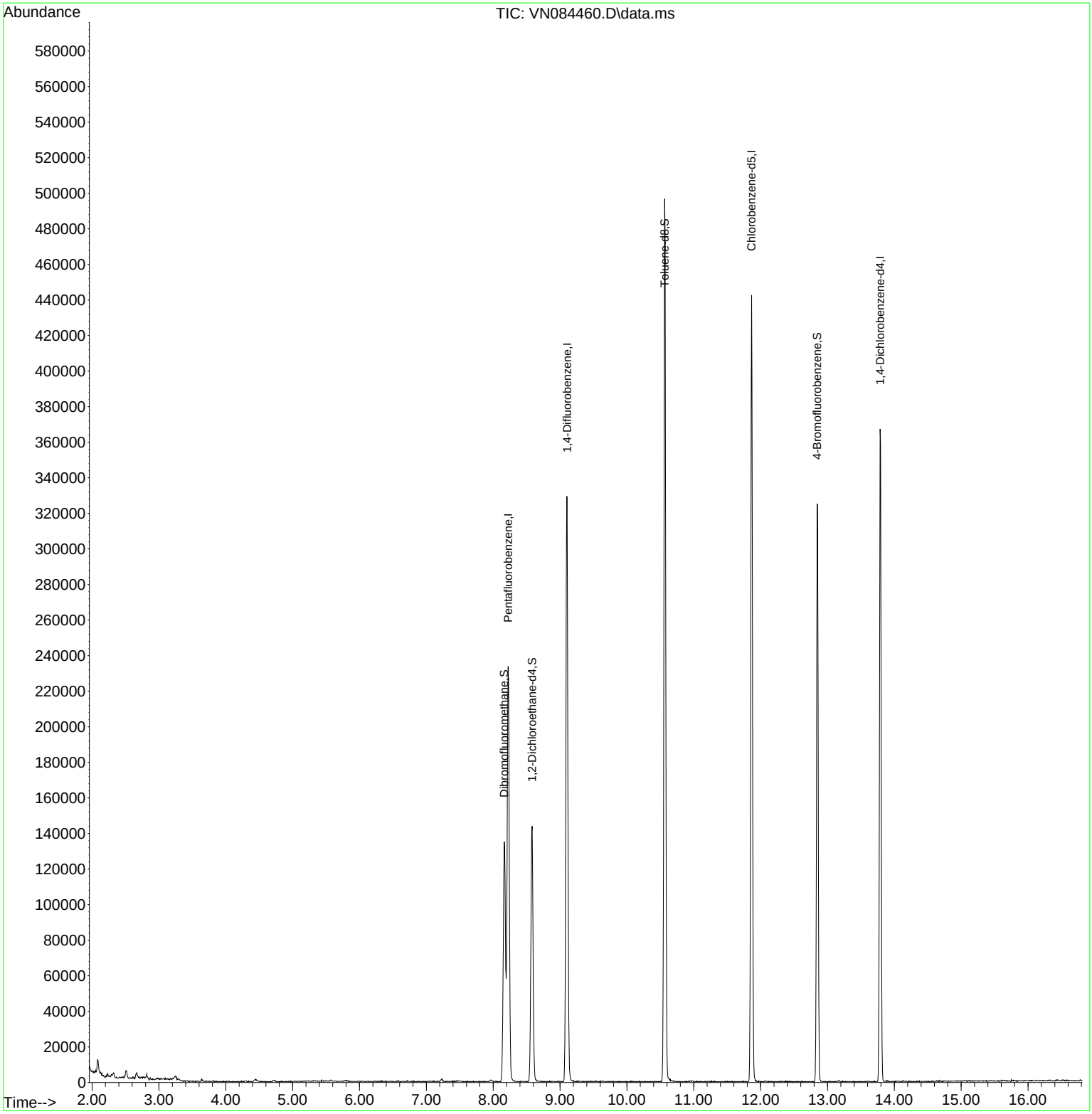
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119785	48.502	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.000%			
35) Dibromofluoromethane	8.165	113	97898	52.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.620%			
50) Toluene-d8	10.565	98	342529	49.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.847	95	115675	46.113	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.220%			
Target Compounds						Qvalue

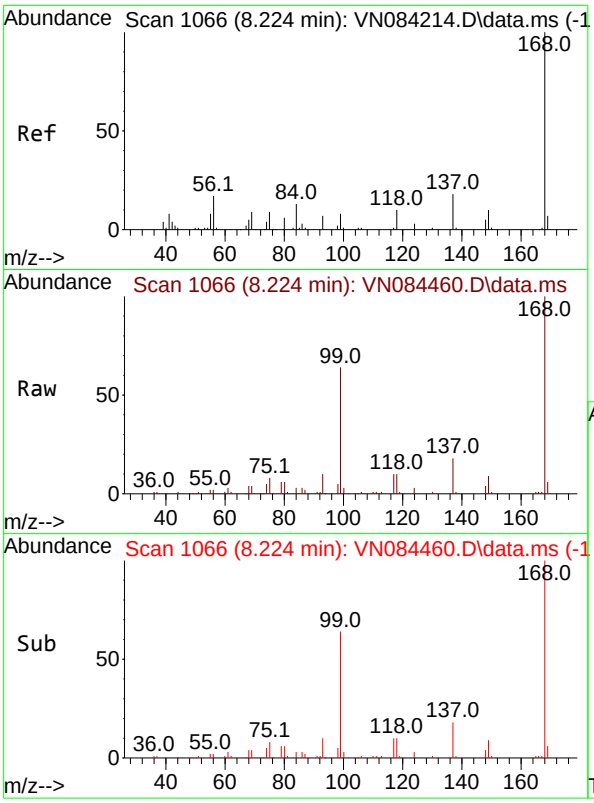
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Quant Time: Oct 23 01:31:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



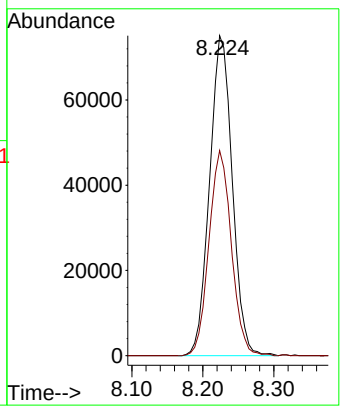


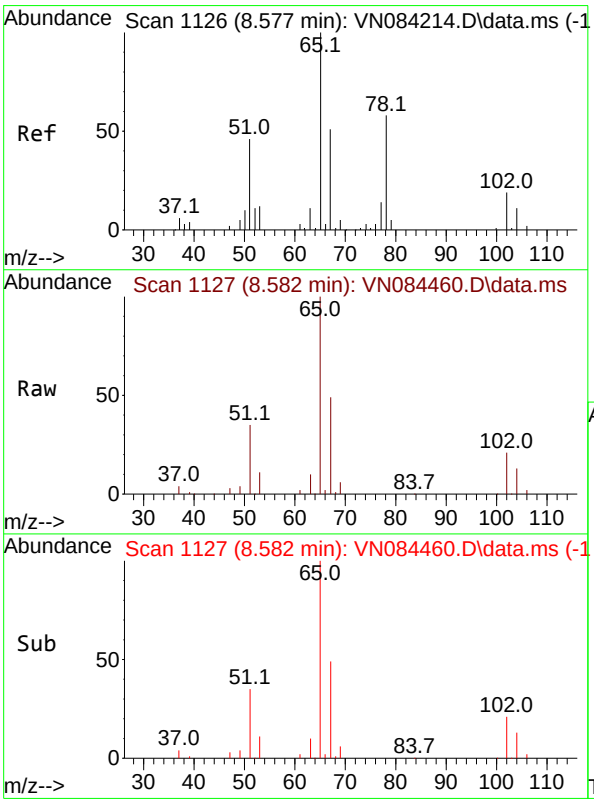
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Tgt Ion:168 Resp: 166570

Ion	Ratio	Lower	Upper
168	100		
99	64.1	54.2	81.2

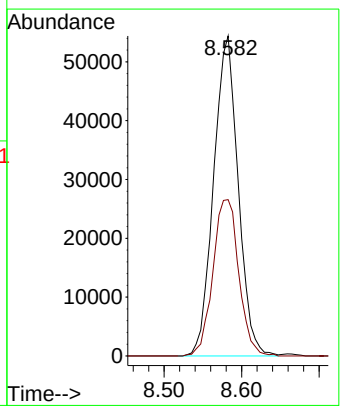


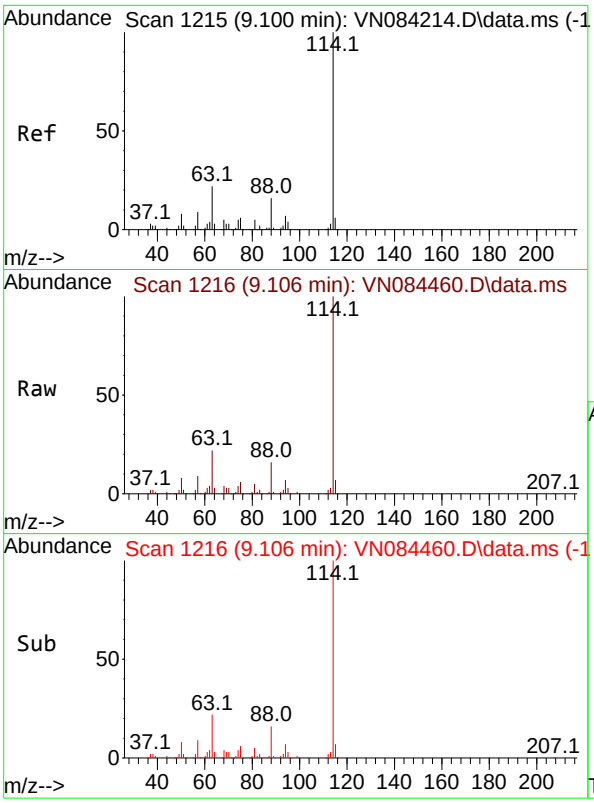


#33
1,2-Dichloroethane-d4
Concen: 48.502 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Tgt Ion: 65 Resp: 119785

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



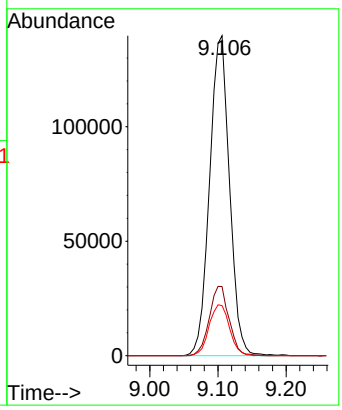


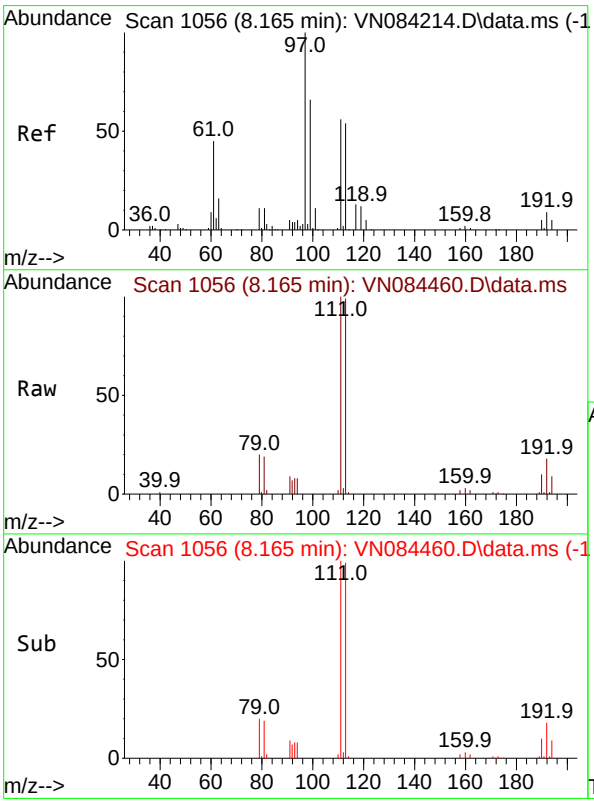
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Tgt Ion:114 Resp: 283884

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	15.6	0.0	31.6

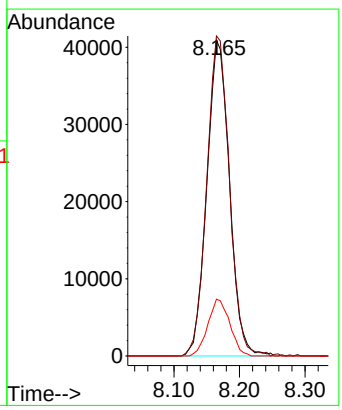


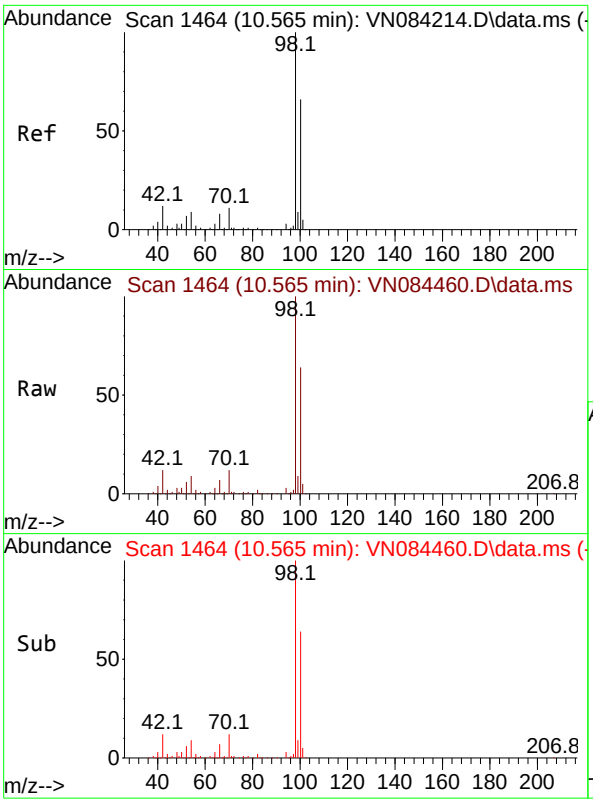


#35
Dibromofluoromethane
Concen: 52.309 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Tgt Ion:113 Resp: 97898

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.3	124.9
192	17.4	13.5	20.3



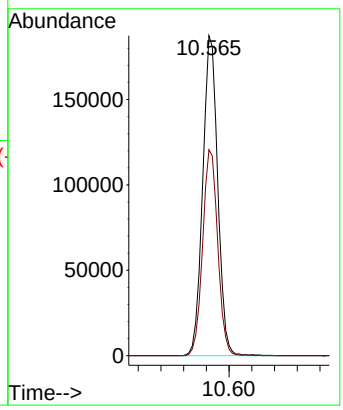


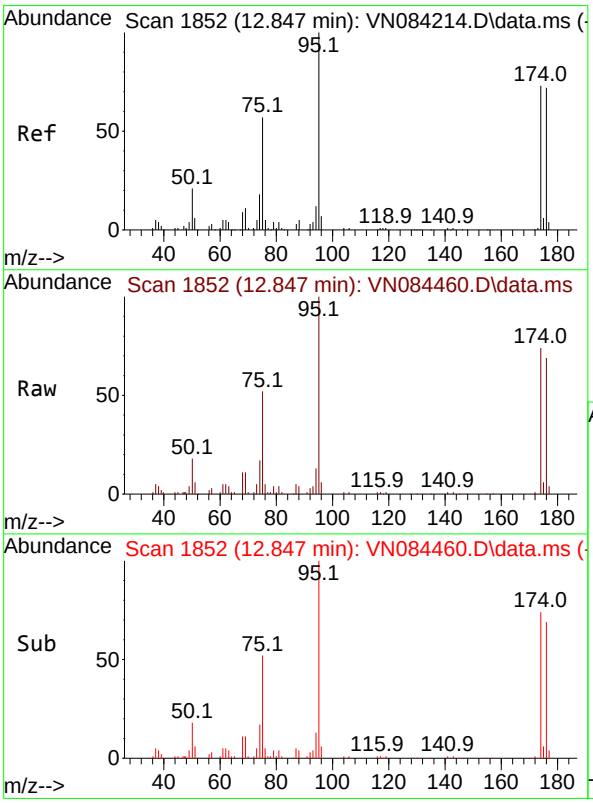
#50
Toluene-d8
Concen: 49.746 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Tgt Ion: 98 Resp: 342529

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

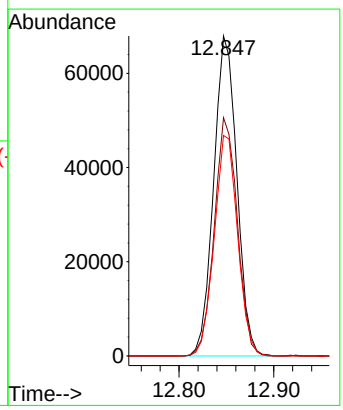


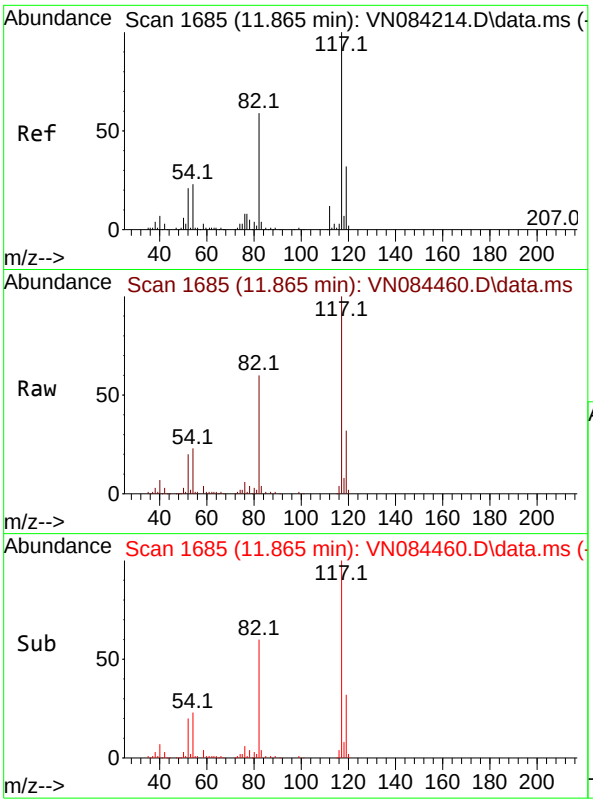


#62
4-Bromofluorobenzene
Concen: 46.113 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Tgt Ion: 95 Resp: 115675

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	69.5	0.0	140.0



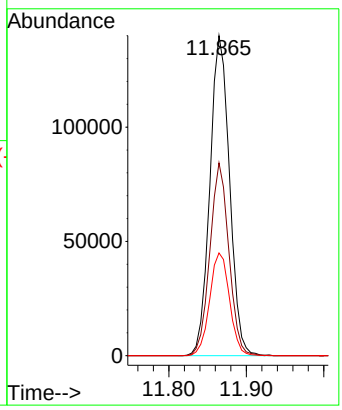


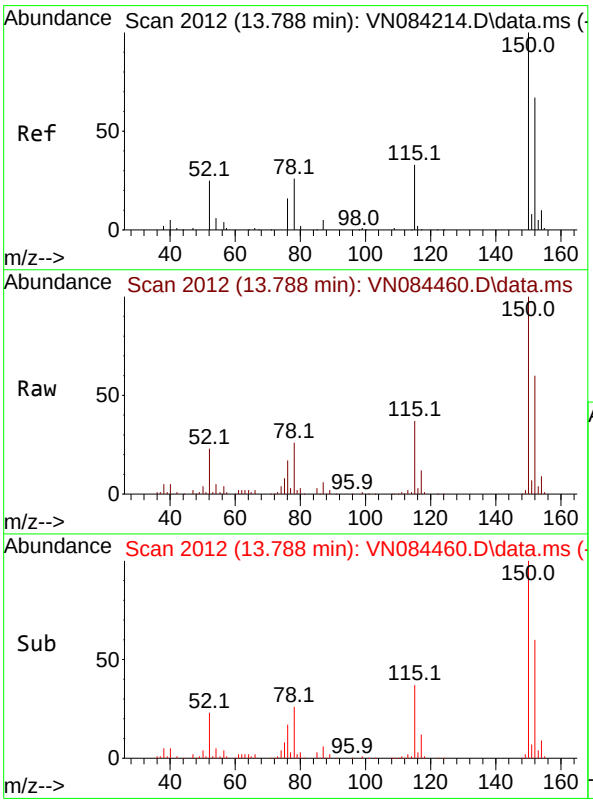
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

Tgt Ion:117 Resp: 246455

Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.2	70.8
119	32.1	25.4	38.0

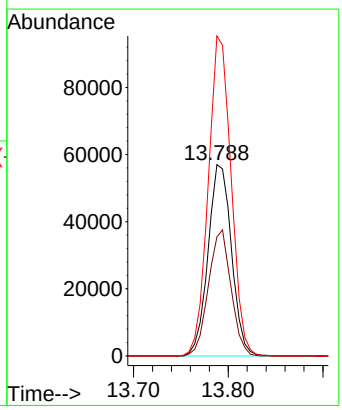




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084460.D
Acq: 22 Oct 2024 17:33

Tgt Ion:152 Resp: 98200

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	162.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

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: VN084460.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	28	rVB2	7564	11731	1.29%	0.249%
2	8.165	1045	1056	1061	rBV	135155	321904	35.33%	6.827%
3	8.224	1061	1066	1080	rVB	233251	517804	56.83%	10.981%
4	8.582	1117	1127	1138	rBV	143660	326991	35.89%	6.934%
5	9.100	1204	1215	1228	rBV	329181	680145	74.65%	14.424%
6	10.565	1456	1464	1478	rBV	496542	911127	100.00%	19.322%
7	11.865	1675	1685	1695	rBV	442401	771120	84.63%	16.353%
8	12.847	1843	1852	1862	rBV	325041	552350	60.62%	11.714%
9	13.788	2005	2012	2022	rBV	366908	622318	68.30%	13.197%

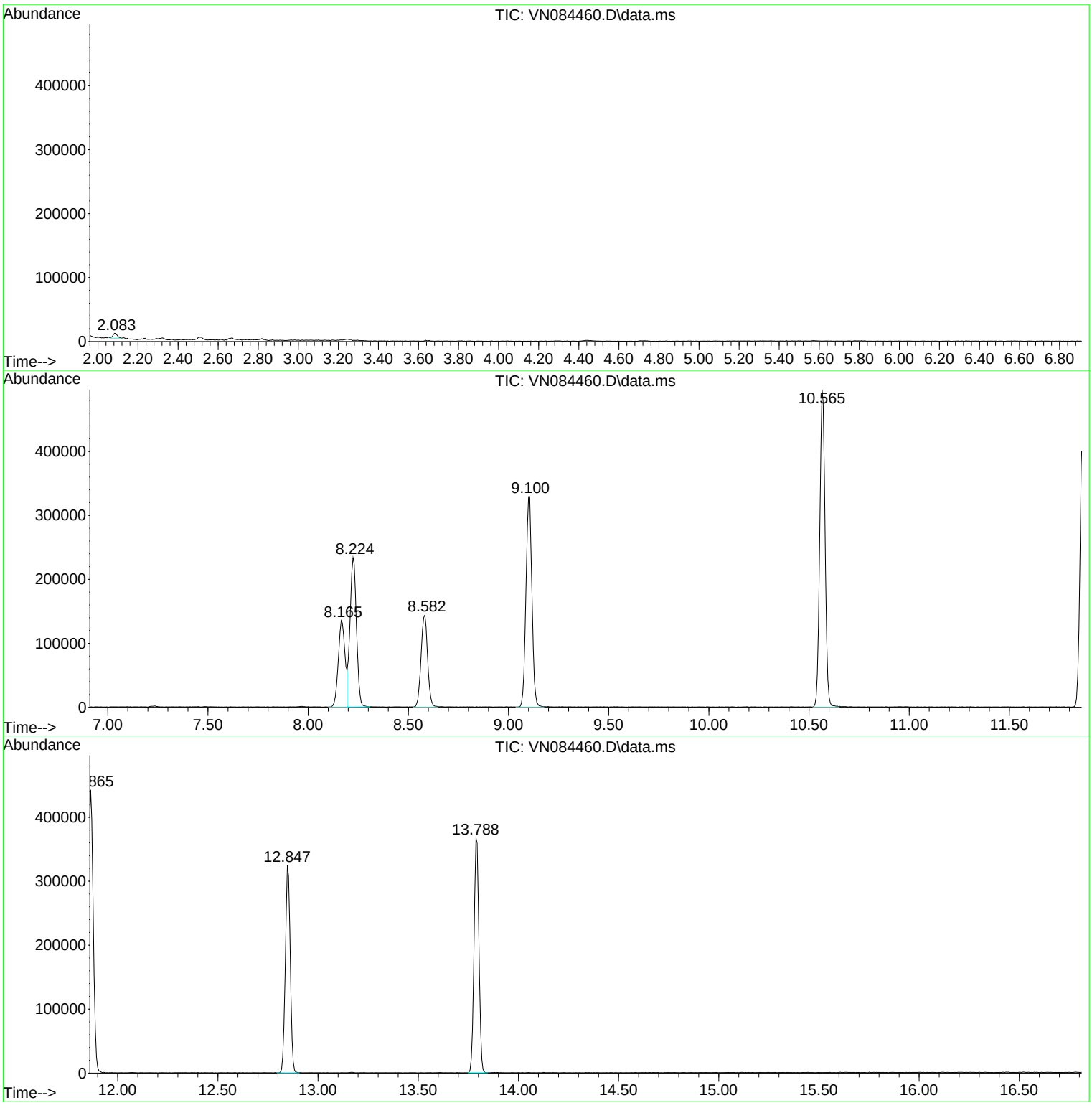
Sum of corrected areas: 4715490

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

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\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

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\VN102224\
Data File : VN084460.D
Acq On : 22 Oct 2024 17:33
Operator : JC\MD
Sample : P4475-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-223-225

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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-238-240	SDG No.:	P4475
Lab Sample ID:	P4475-04	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
VN084455.D	1		10/22/24 15:09	VN102224

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	1.10		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:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-238-240	SDG No.:	P4475
Lab Sample ID:	P4475-04	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
VN084455.D	1		10/22/24 15:09	VN102224

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	46.3		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	8.224				
540-36-3	1,4-Difluorobenzene	291000	9.1				
3114-55-4	Chlorobenzene-d5	247000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/18/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-238-240	SDG No.:	P4475
Lab Sample ID:	P4475-04	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
VN084455.D	1		10/22/24 15:09	VN102224

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\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Quant Time: Oct 23 01:29:21 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

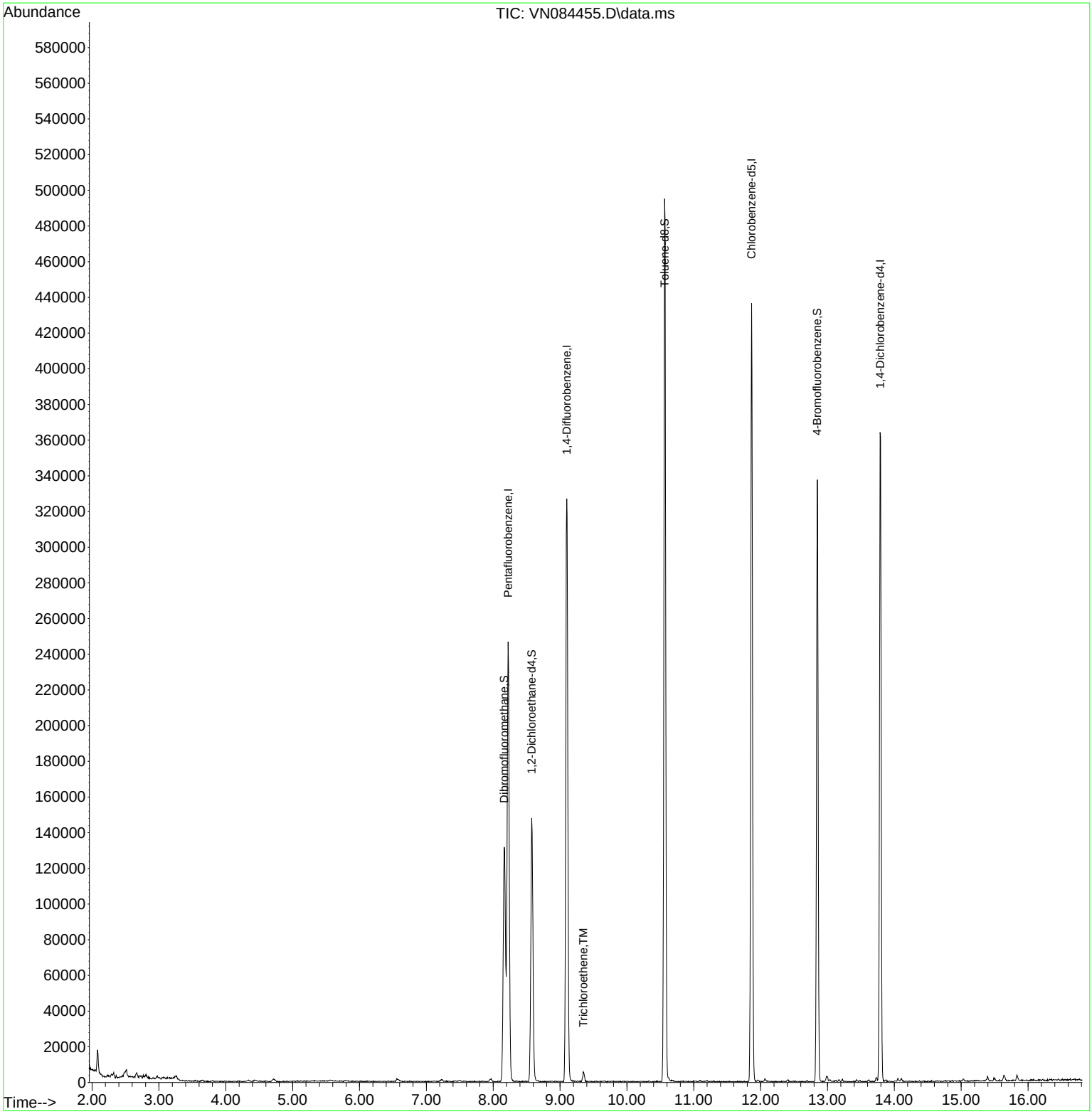
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119376	46.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.680%			
35) Dibromofluoromethane	8.165	113	96300	50.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	345288	48.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.847	95	119367	46.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.820%			
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	2227	1.098	ug/l	79

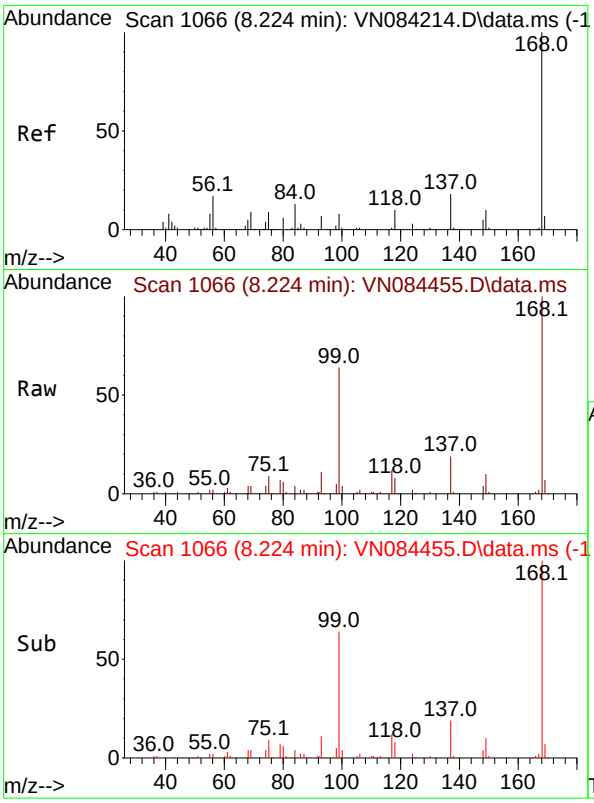
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Quant Time: Oct 23 01:29:21 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



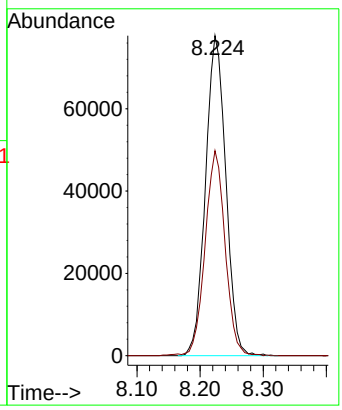


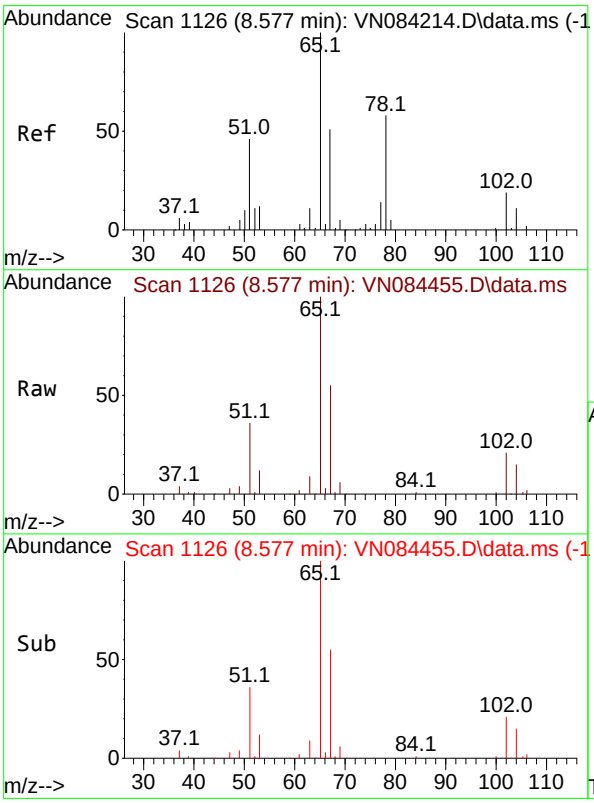
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Tgt Ion:168 Resp: 173757

Ion	Ratio	Lower	Upper
168	100		
99	64.0	54.2	81.2

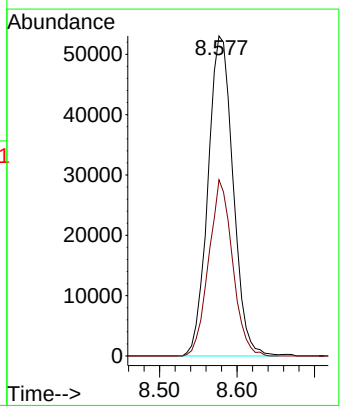


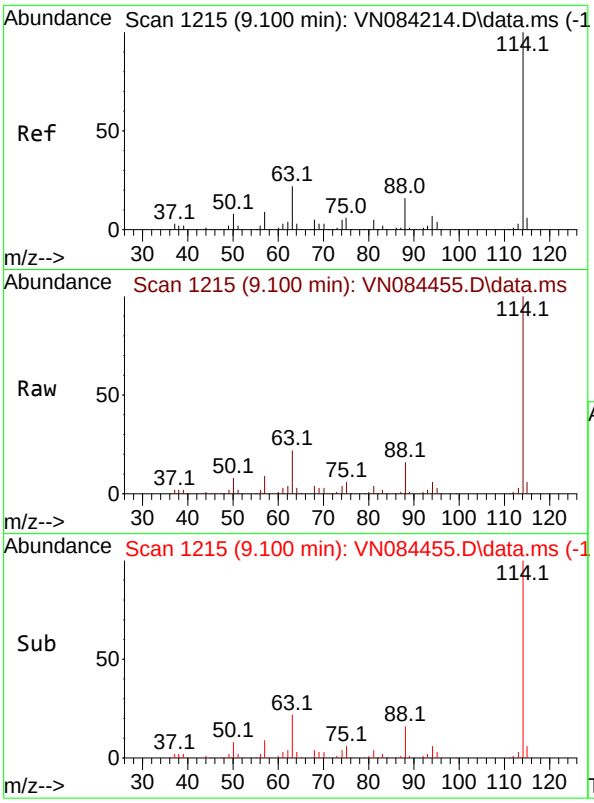


#33
1,2-Dichloroethane-d4
Concen: 46.337 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Tgt Ion: 65 Resp: 119376

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



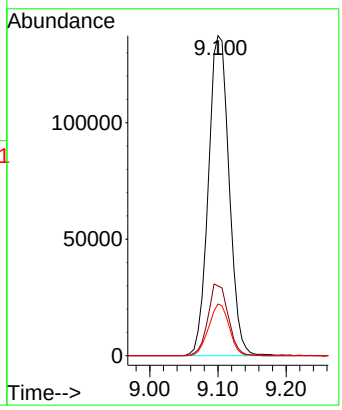


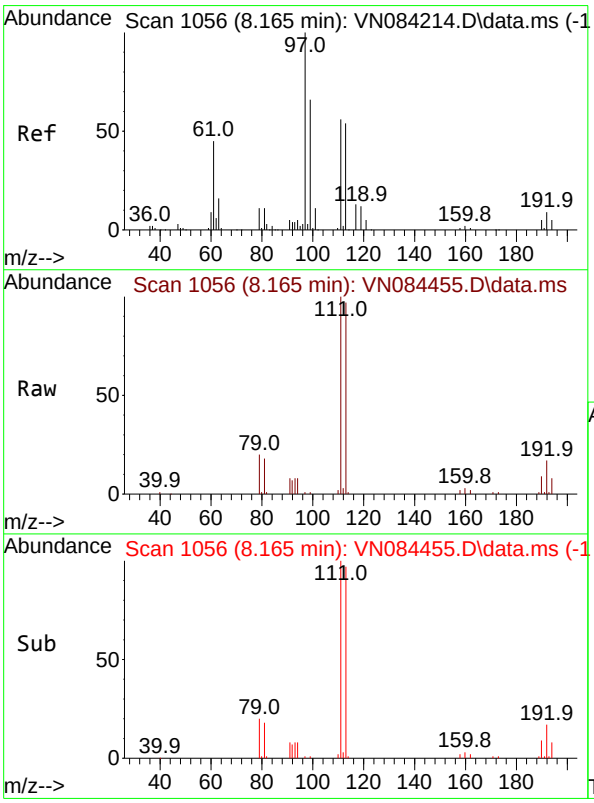
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Tgt Ion:114 Resp: 291051

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.2	0.0	31.6

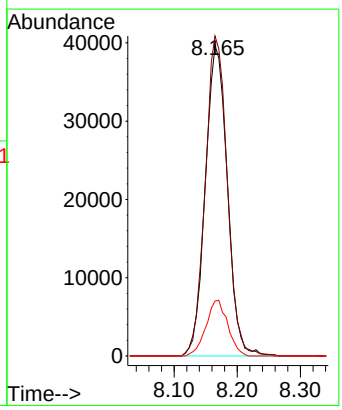


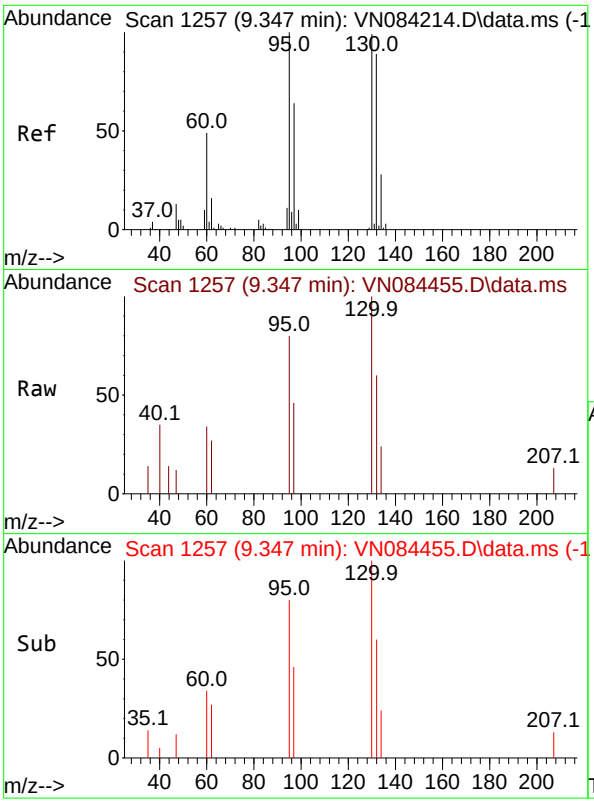


#35
Dibromofluoromethane
Concen: 50.188 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Tgt Ion:113 Resp: 96300

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.7	13.5	20.3



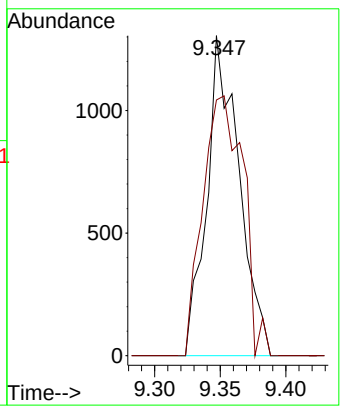


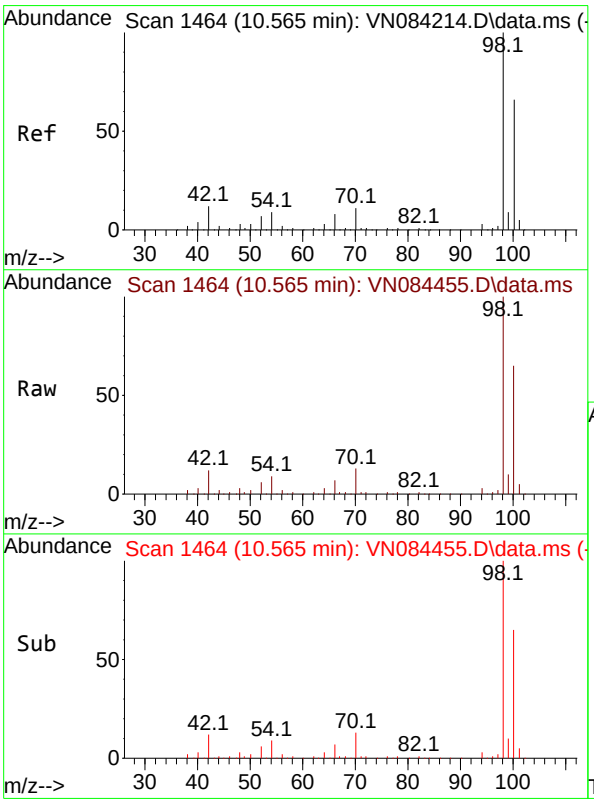
#44
Trichloroethene
Concen: 1.098 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Tgt Ion:130 Resp: 2227

Ion	Ratio	Lower	Upper
130	100		
95	79.9	0.0	203.0

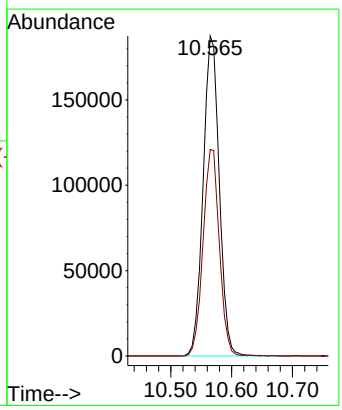


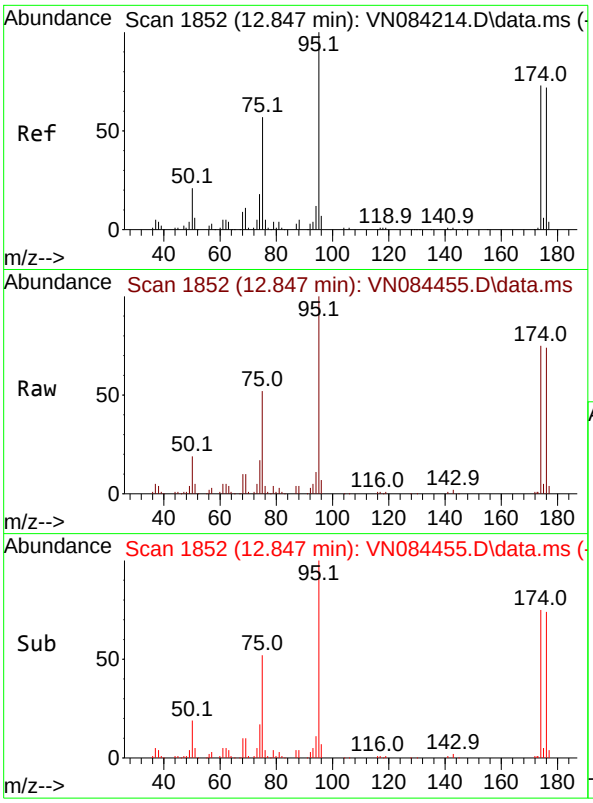


#50
Toluene-d8
Concen: 48.912 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Tgt Ion: 98 Resp: 345288

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



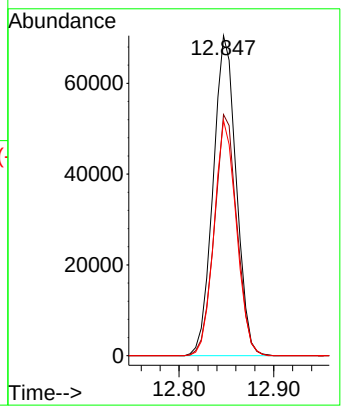


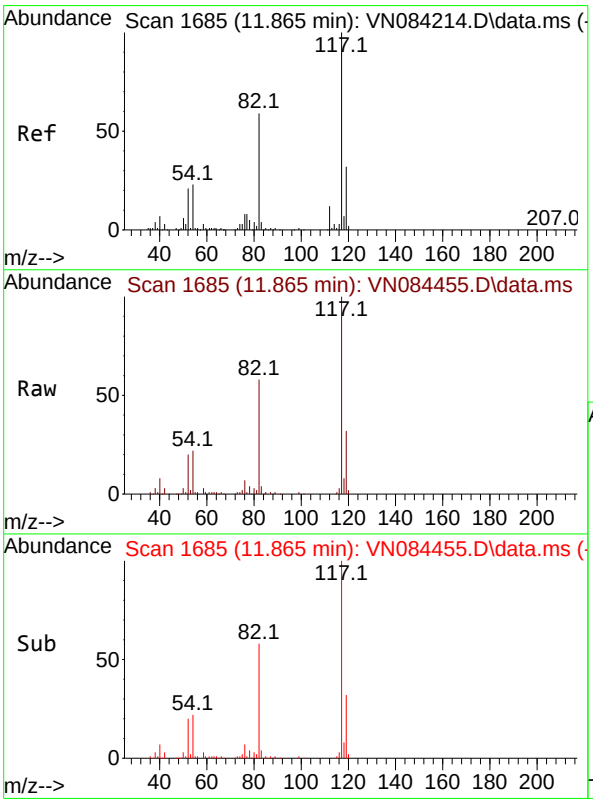
#62
4-Bromofluorobenzene
Concen: 46.413 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Tgt Ion: 95 Resp: 119367

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	145.2
176	71.3	0.0	140.0

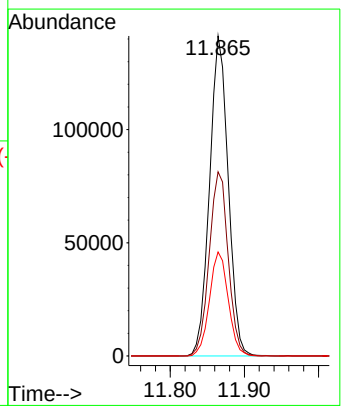


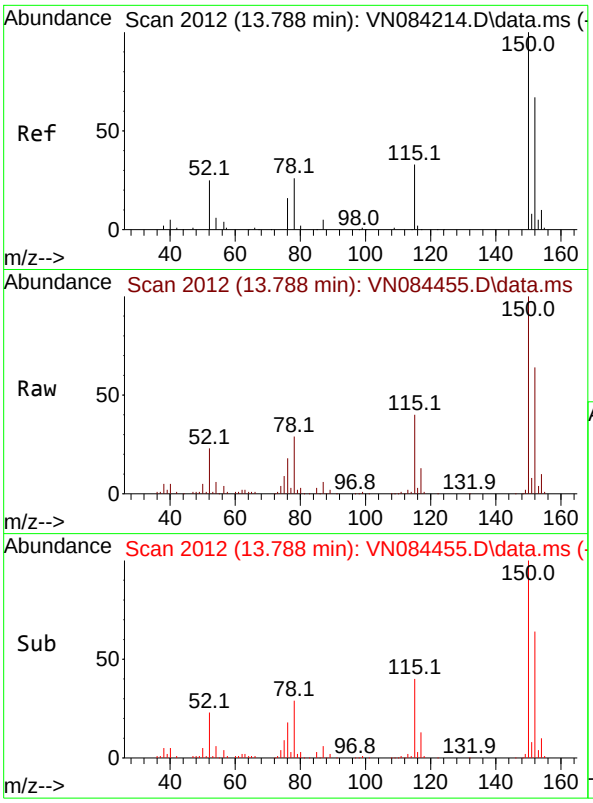


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Tgt Ion:117 Resp: 247138

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.2	70.8
119	32.5	25.4	38.0



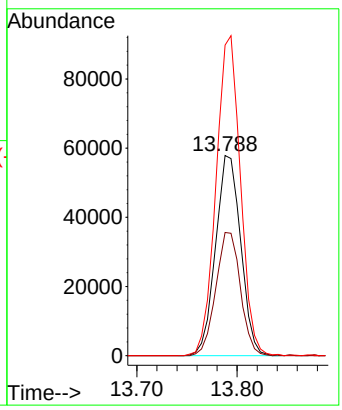


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084455.D
Acq: 22 Oct 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

Tgt Ion:152 Resp: 100728

Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.3	93.9
150	155.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

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: VN084455.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	29	rVB	13758	20698	2.26%	0.433%
2	8.165	1045	1056	1061	rBV	131485	322410	35.20%	6.744%
3	8.224	1061	1066	1077	rVB	246058	533188	58.21%	11.153%
4	8.577	1118	1126	1138	rBV	147666	327597	35.77%	6.853%
5	9.100	1207	1215	1227	rBV2	326703	688268	75.15%	14.397%
6	9.347	1252	1257	1262	rBV4	5428	9381	1.02%	0.196%
7	10.565	1456	1464	1480	rBV	494799	915905	100.00%	19.158%
8	11.865	1676	1685	1695	rBV	436295	772352	84.33%	16.156%
9	12.847	1845	1852	1862	rVB	337196	565137	61.70%	11.821%
10	13.788	2005	2012	2022	rVB	363921	625746	68.32%	13.089%

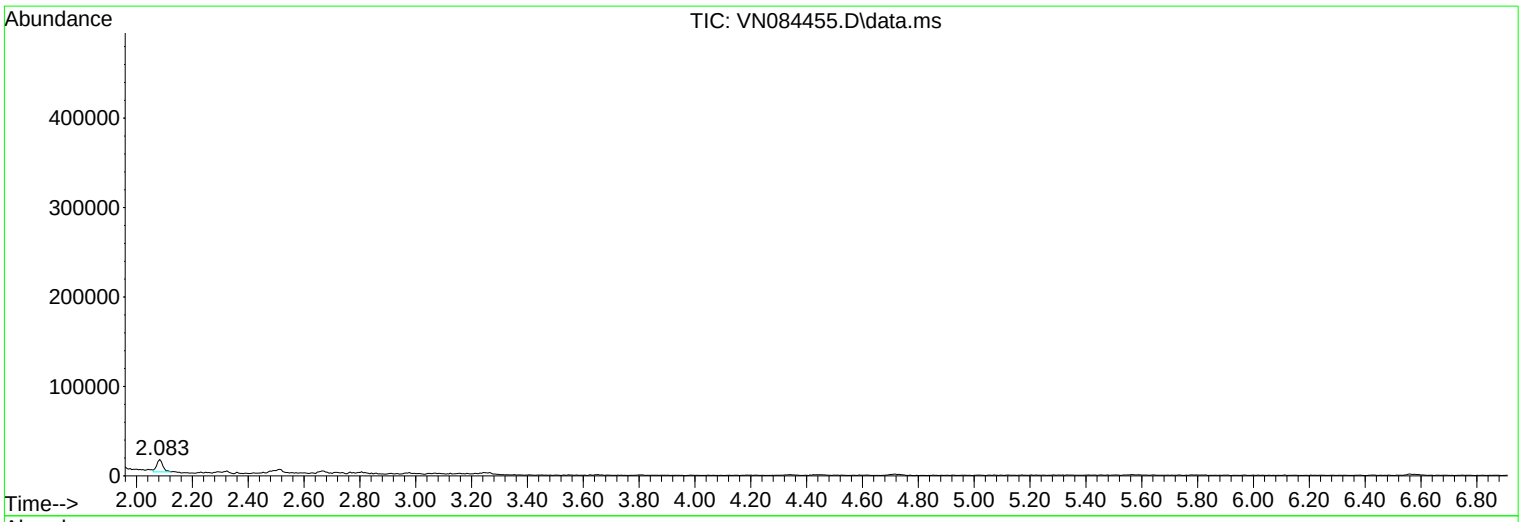
Sum of corrected areas: 4780682

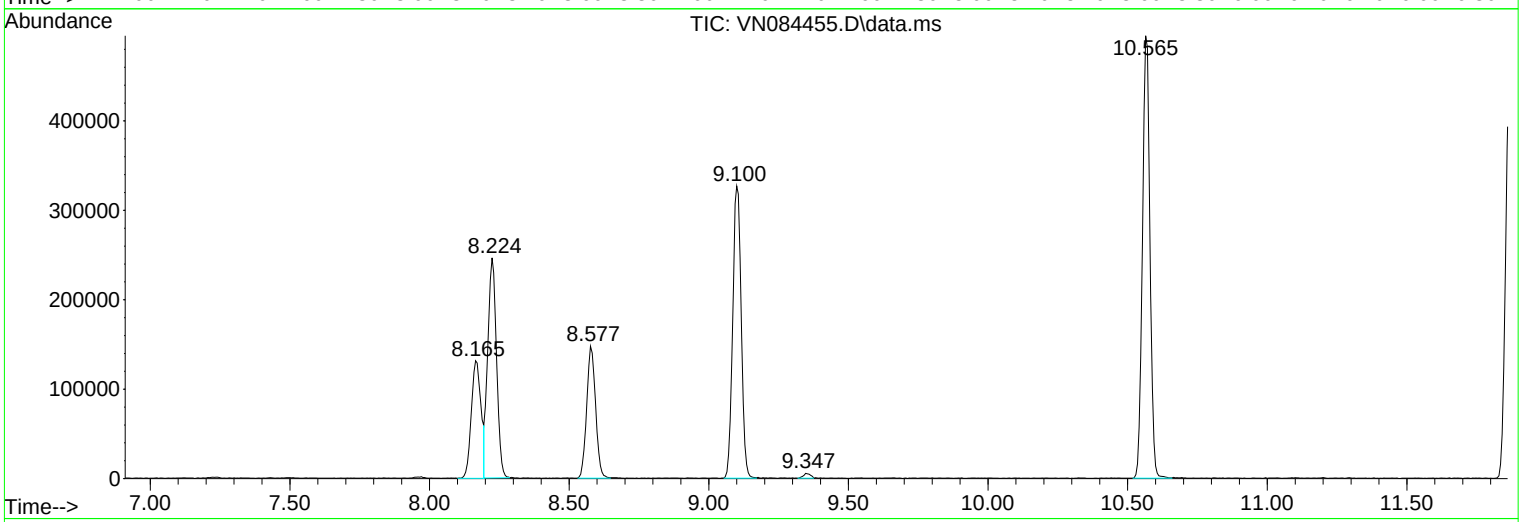
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

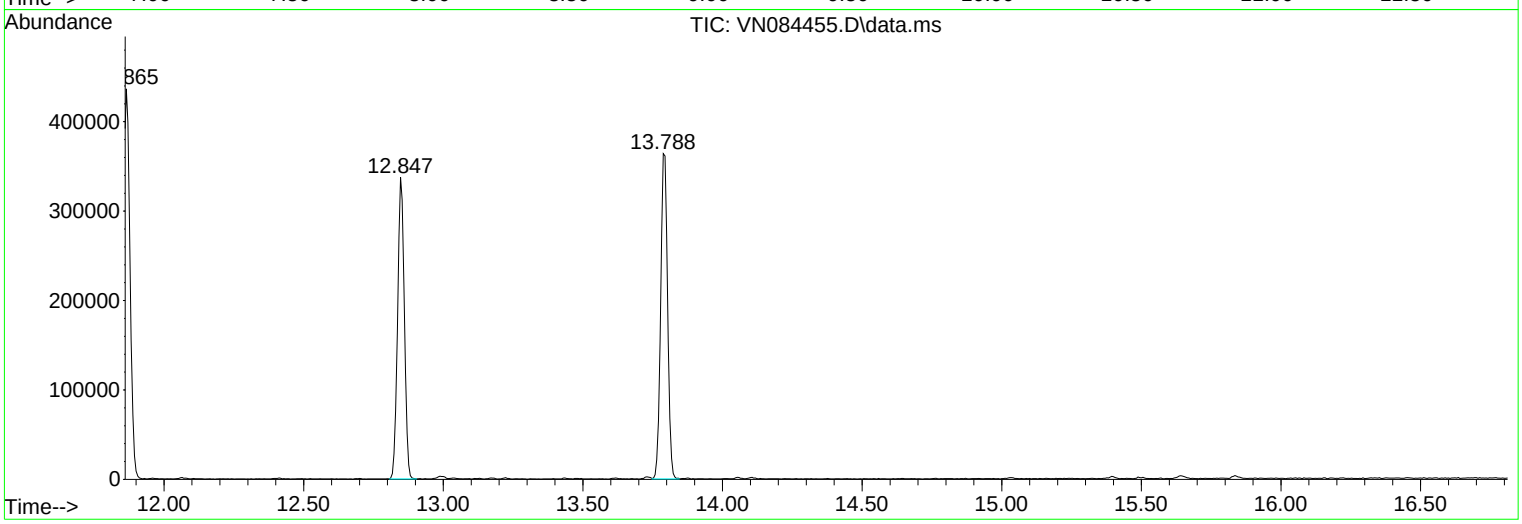
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

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\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

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\VN102224\
Data File : VN084455.D
Acq On : 22 Oct 2024 15:09
Operator : JC\MD
Sample : P4475-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-238-240

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:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-258-260	SDG No.:	P4475
Lab Sample ID:	P4475-05	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
VN084458.D	1		10/22/24 16:45	VN102224

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:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-258-260	SDG No.:	P4475
Lab Sample ID:	P4475-05	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
VN084458.D	1		10/22/24 16:45	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	161000	8.224				
540-36-3	1,4-Difluorobenzene	277000	9.1				
3114-55-4	Chlorobenzene-d5	244000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	99800	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:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-258-260	SDG No.:	P4475
Lab Sample ID:	P4475-05	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
VN084458.D	1		10/22/24 16:45	VN102224

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\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Quant Time: Oct 23 01:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116778	49.004	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.000%			
35) Dibromofluoromethane	8.165	113	93750	51.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	10.565	98	335172	49.849	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.847	95	116709	47.645	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.300%			

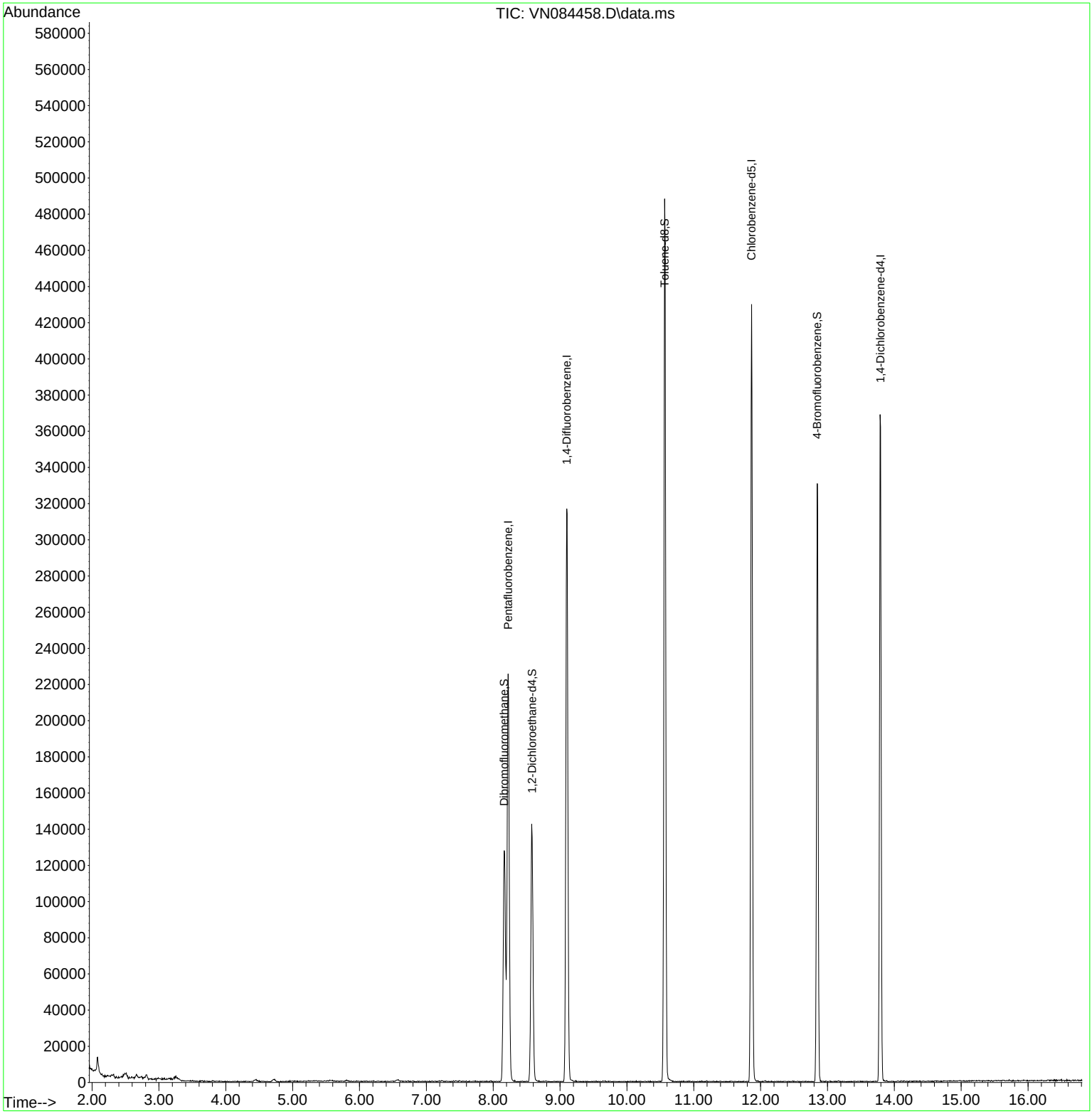
Target Compounds Qvalue

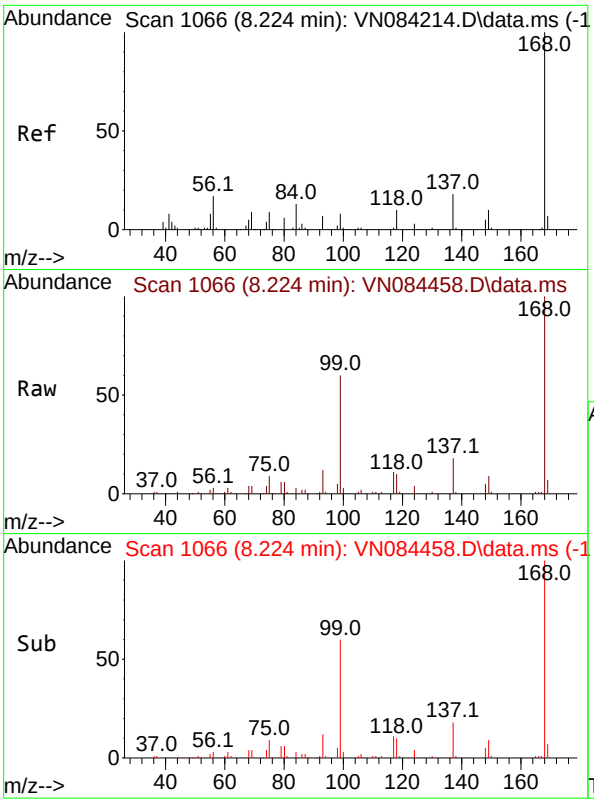
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Quant Time: Oct 23 01:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



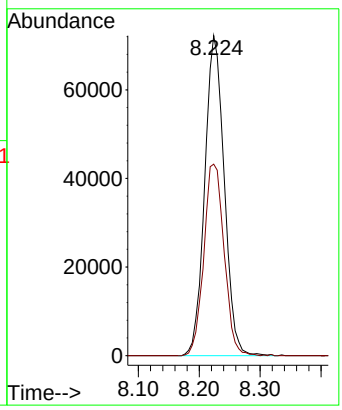


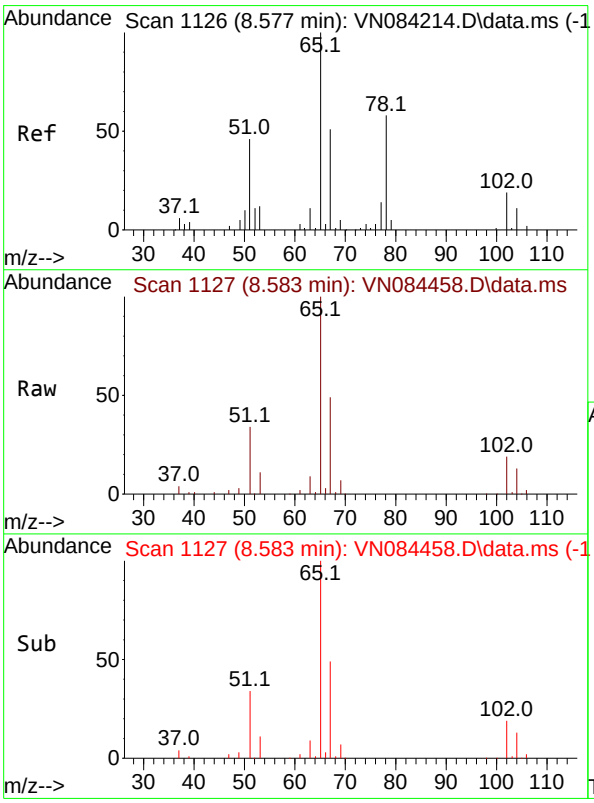
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Tgt Ion:168 Resp: 160725

Ion	Ratio	Lower	Upper
168	100		
99	59.9	54.2	81.2

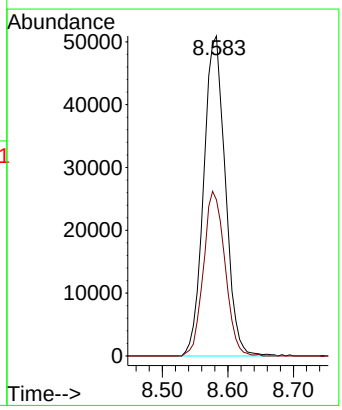


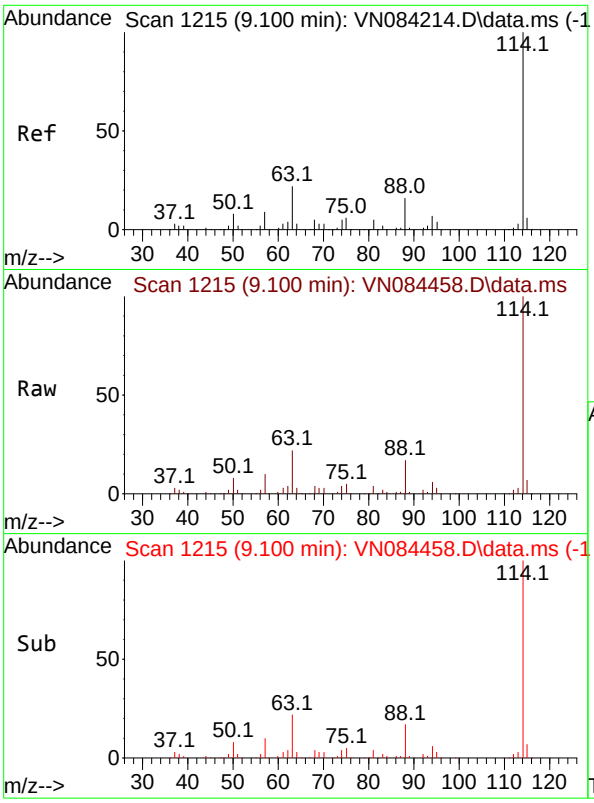


#33
1,2-Dichloroethane-d4
Concen: 49.004 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Tgt Ion: 65 Resp: 116778

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0



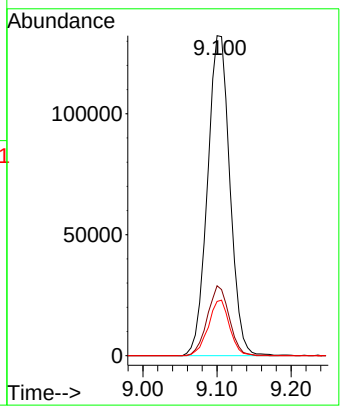


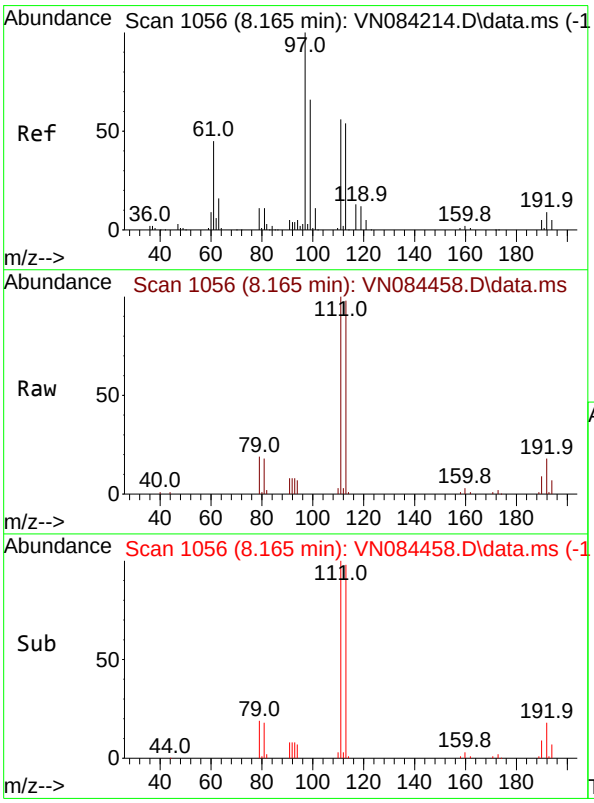
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Tgt Ion:114 Resp: 277213

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	17.0	0.0	31.6

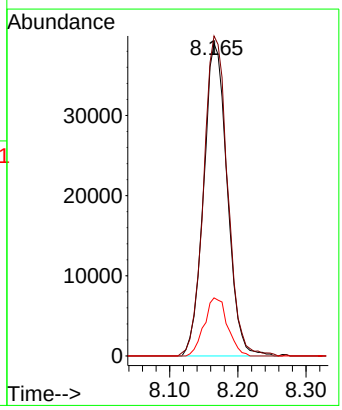


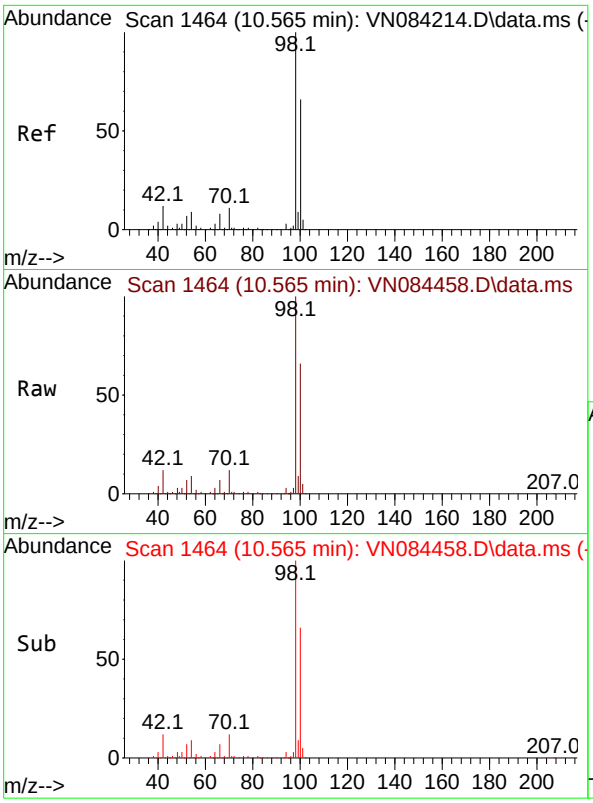


#35
Dibromofluoromethane
Concen: 51.298 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Tgt Ion:113 Resp: 93750

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.4	13.5	20.3



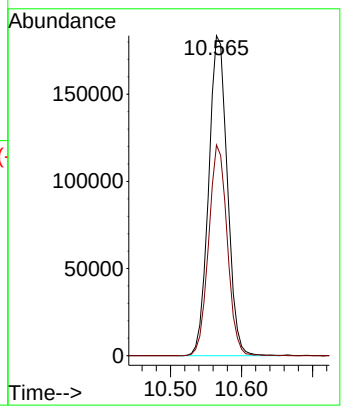


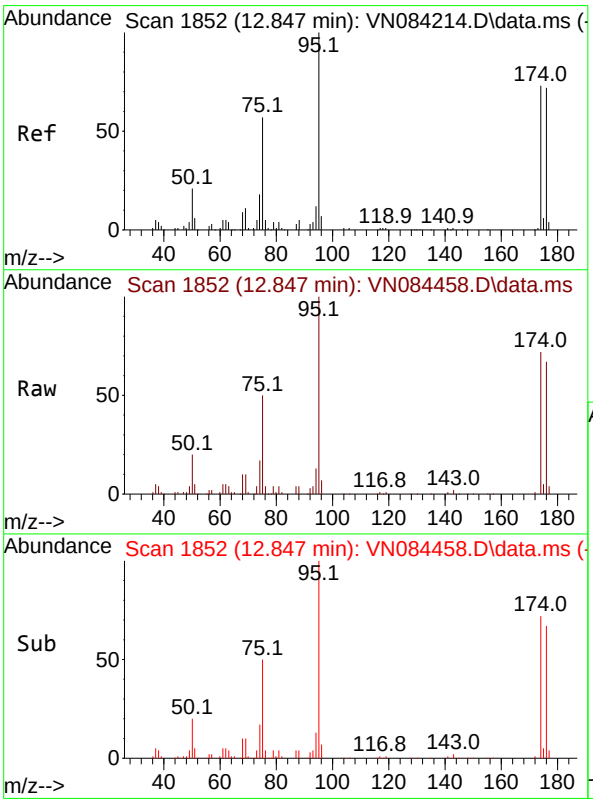
#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Tgt Ion: 98 Resp: 335172

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

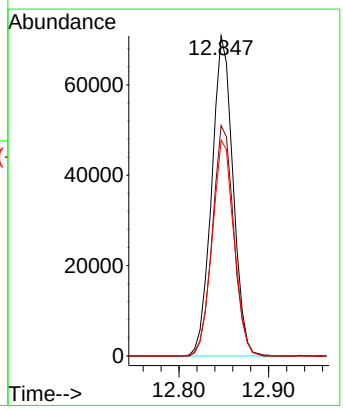


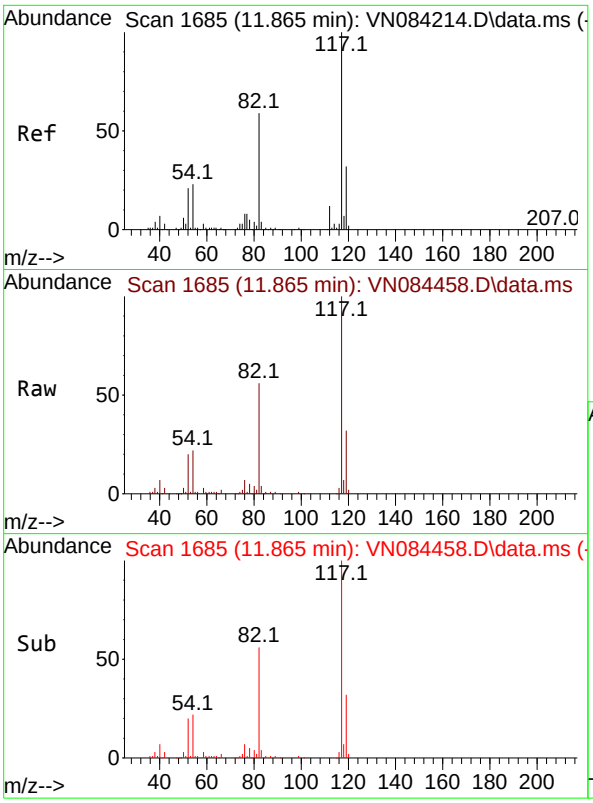


#62
4-Bromofluorobenzene
Concen: 47.645 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Tgt Ion: 95 Resp: 116709

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	145.2
176	69.0	0.0	140.0



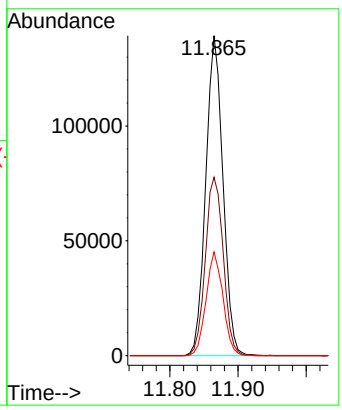


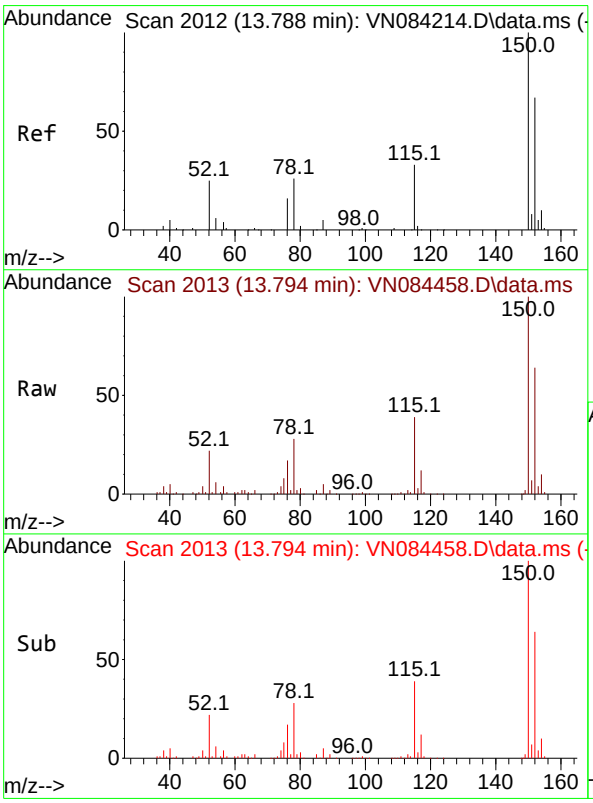
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

Tgt Ion:117 Resp: 244441

Ion	Ratio	Lower	Upper
117	100		
82	55.8	47.2	70.8
119	32.4	25.4	38.0

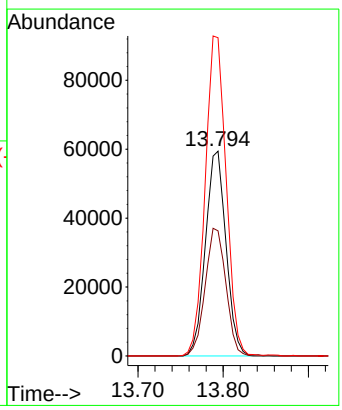




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084458.D
Acq: 22 Oct 2024 16:45

Tgt Ion:152 Resp: 99804

Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.3	93.9
150	158.4	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

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: VN084458.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	32	rVB3	9786	17834	2.00%	0.385%
2	8.165	1044	1056	1061	rBV	127781	311371	34.95%	6.730%
3	8.224	1061	1066	1081	rVB2	225351	498625	55.98%	10.777%
4	8.577	1117	1126	1141	rBV	142322	318602	35.77%	6.886%
5	9.100	1207	1215	1233	rVB	316749	660164	74.11%	14.268%
6	10.565	1455	1464	1480	rBV	487952	890790	100.00%	19.253%
7	11.865	1678	1685	1700	rBV	429612	760664	85.39%	16.440%
8	12.847	1845	1852	1862	rVB	330697	549046	61.64%	11.866%
9	13.788	2005	2012	2025	rBV	368603	619783	69.58%	13.395%

Sum of corrected areas: 4626879

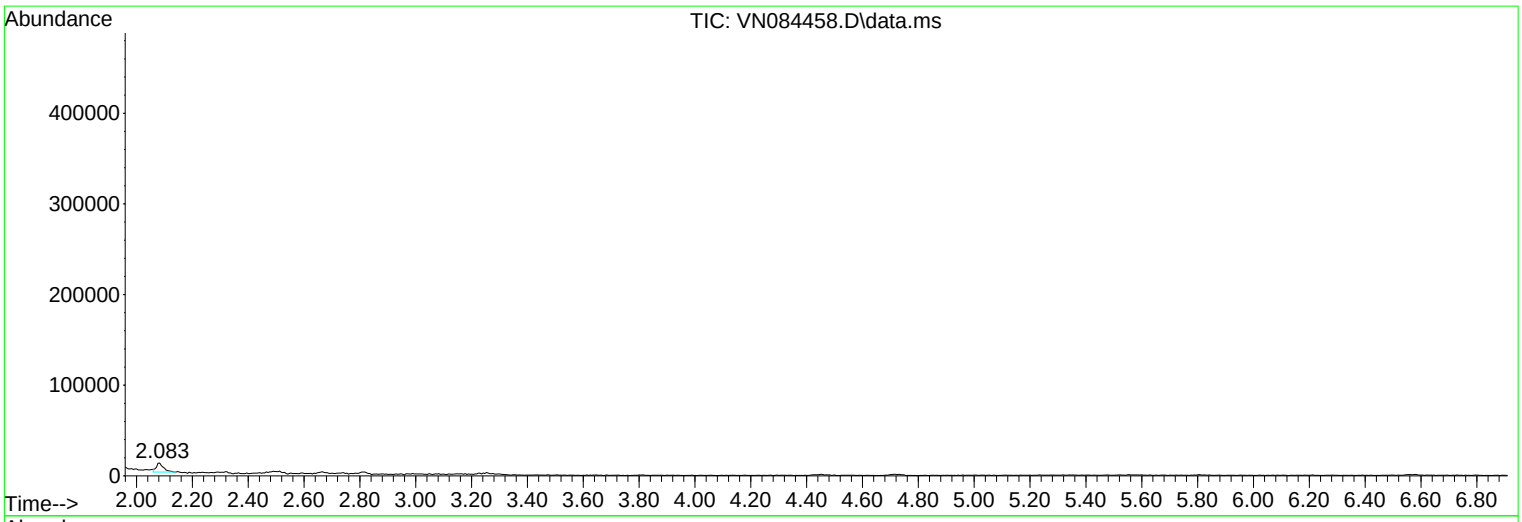
Sample Results: **VN084458.D**

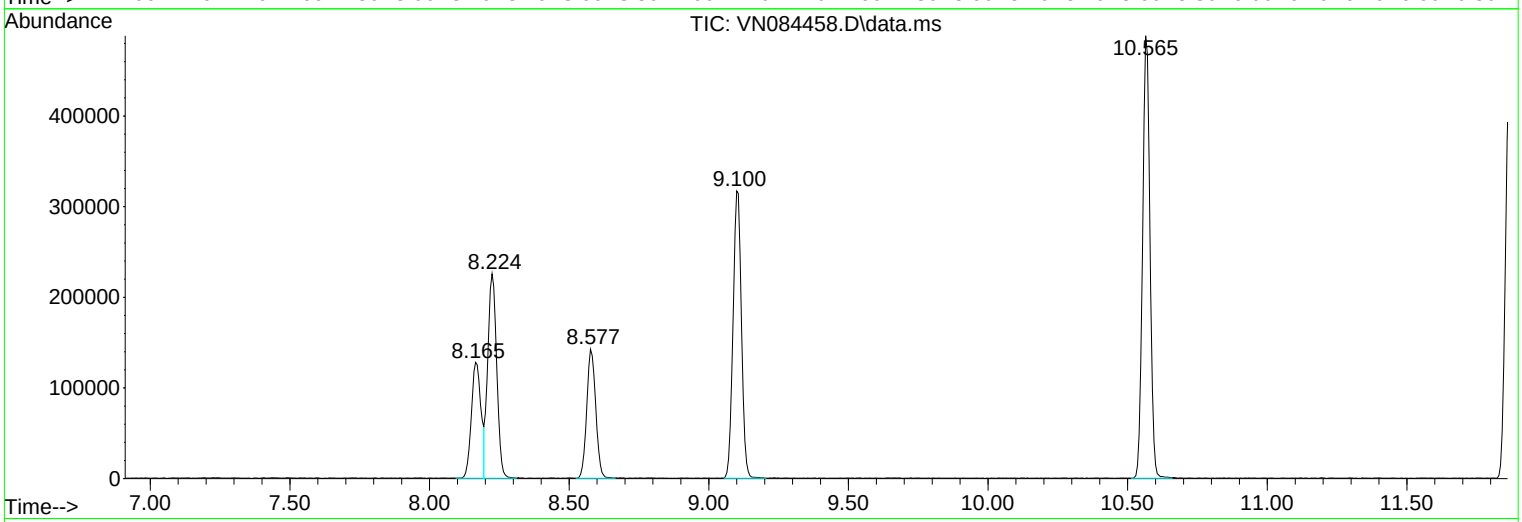
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

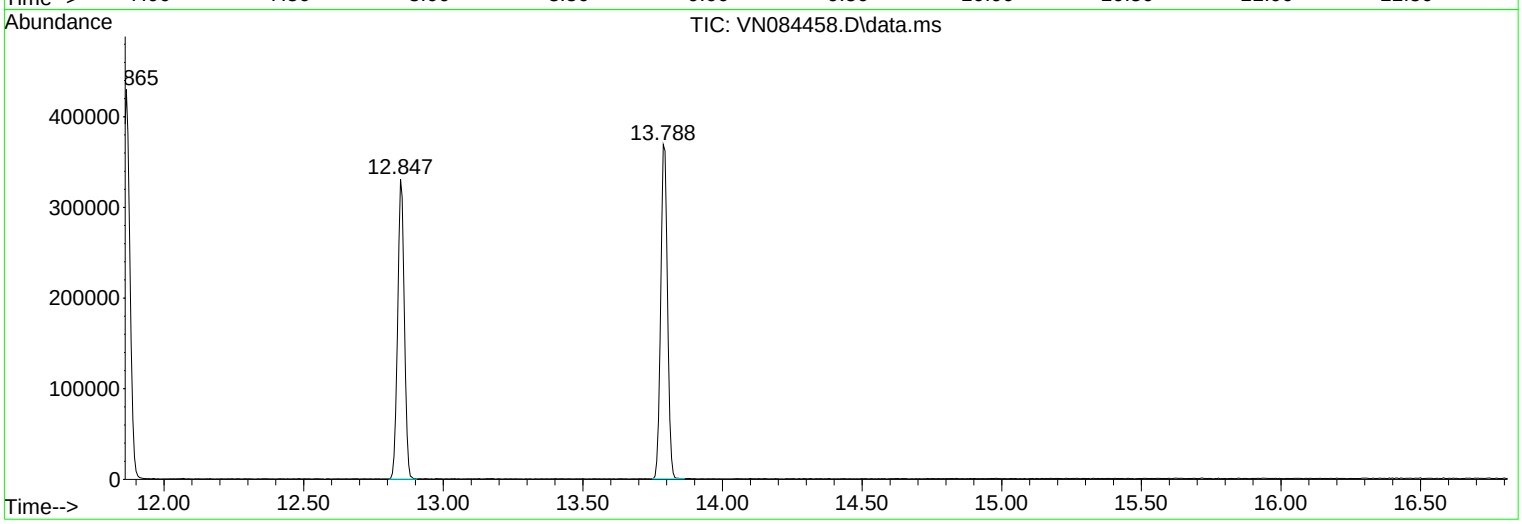
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

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\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

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\VN102224\
Data File : VN084458.D
Acq On : 22 Oct 2024 16:45
Operator : JC\MD
Sample : P4475-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-258-260

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:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-278-280	SDG No.:	P4475
Lab Sample ID:	P4475-06	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
VN084459.D	1		10/22/24 17:09	VN102224

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:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-278-280	SDG No.:	P4475
Lab Sample ID:	P4475-06	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
VN084459.D	1		10/22/24 17:09	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	8.23				
540-36-3	1,4-Difluorobenzene	282000	9.1				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/21/24
Project:	CTO WE13	Date Received:	10/21/24
Client Sample ID:	BP-VPB-190-GW-278-280	SDG No.:	P4475
Lab Sample ID:	P4475-06	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
VN084459.D	1		10/22/24 17:09	VN102224

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\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Quant Time: Oct 23 01:31:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	157977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117218	50.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.080%			
35) Dibromofluoromethane	8.165	113	95280	51.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.500%			
50) Toluene-d8	10.565	98	341267	49.898	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.847	95	115495	46.353	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.700%			

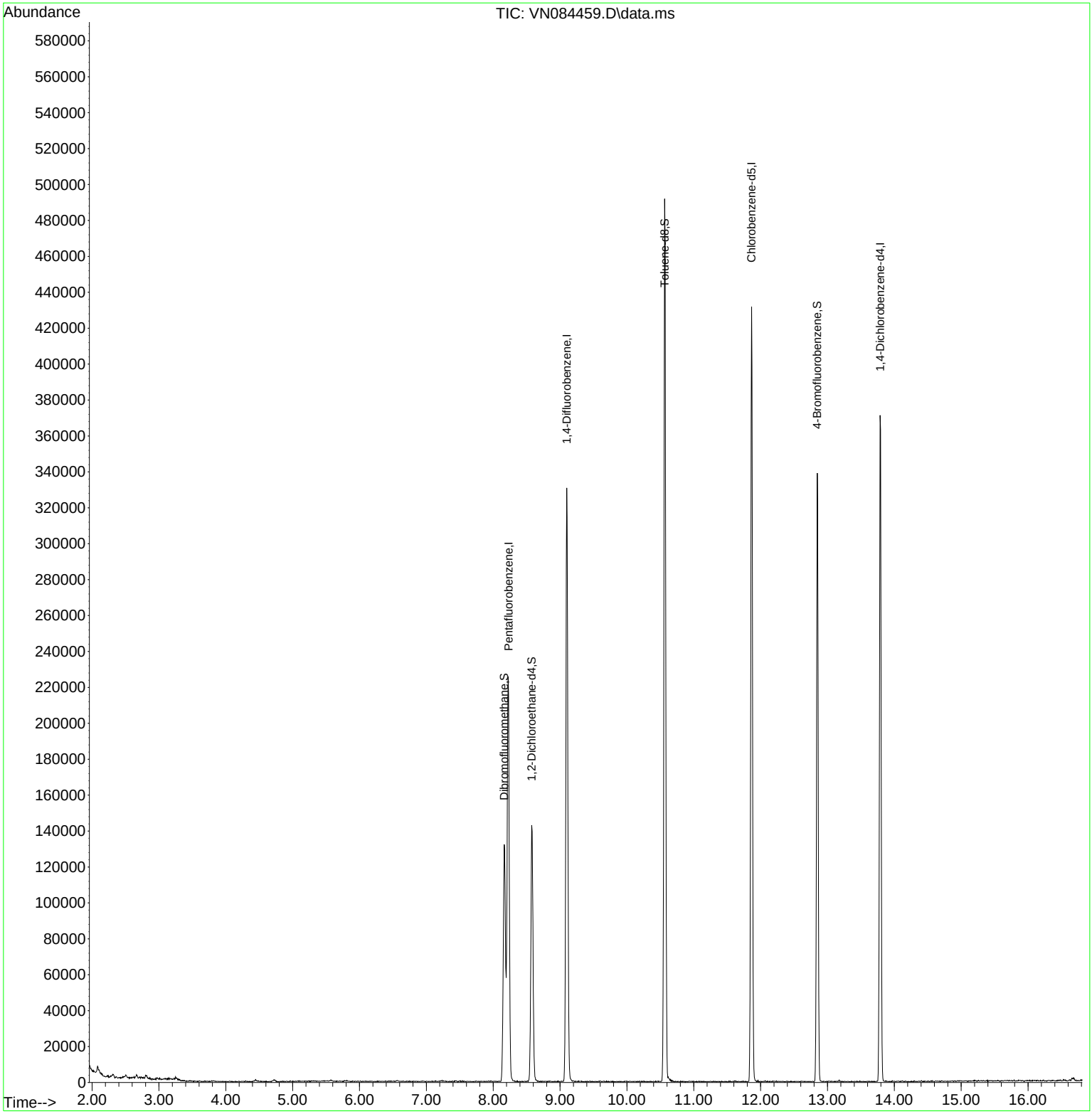
Target Compounds Qvalue

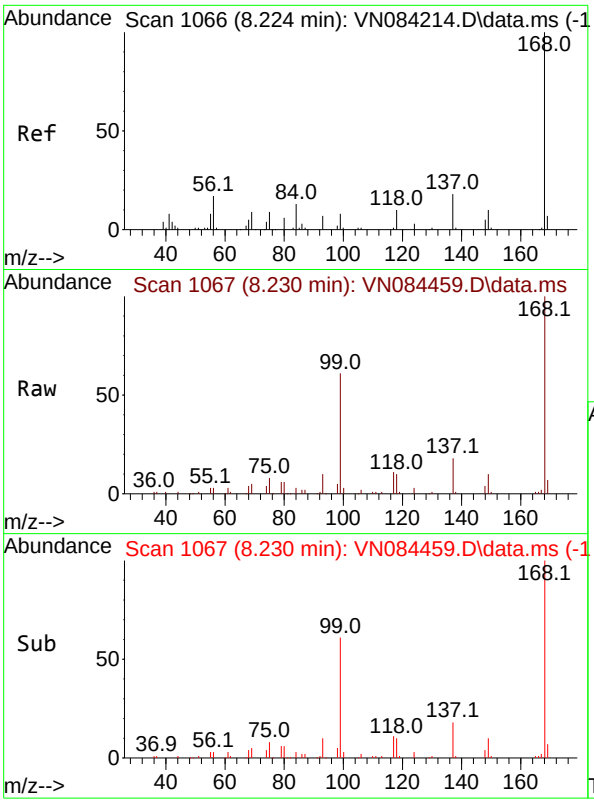
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Quant Time: Oct 23 01:31:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



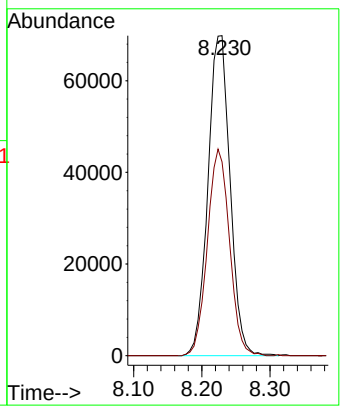


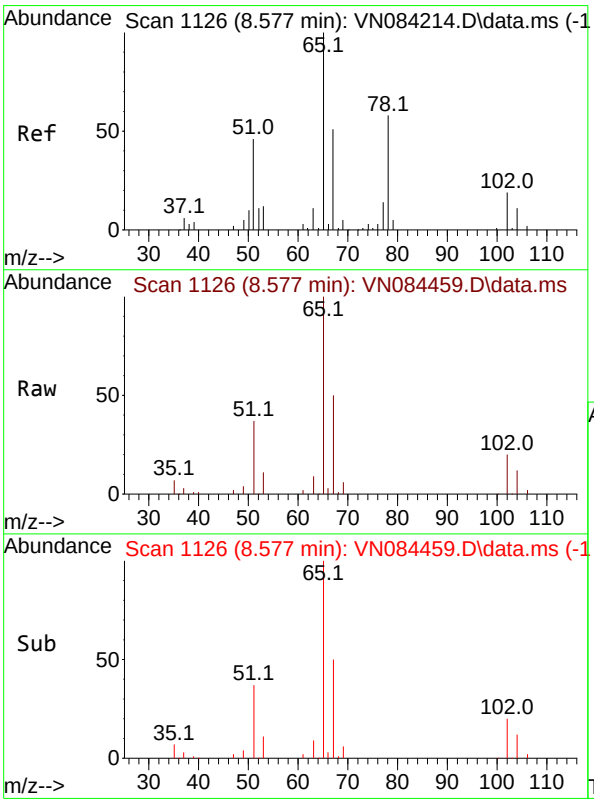
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Tgt Ion:168 Resp: 157977

Ion	Ratio	Lower	Upper
168	100		
99	60.5	54.2	81.2

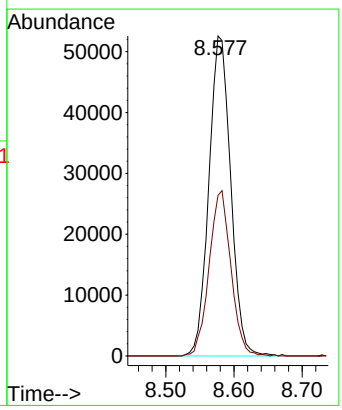


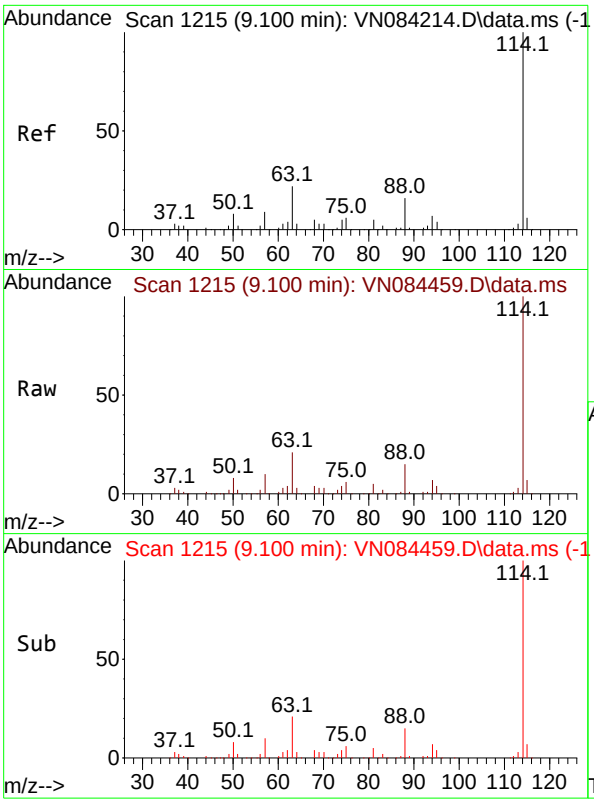


#33
1,2-Dichloroethane-d4
Concen: 50.044 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Tgt Ion: 65 Resp: 117218

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



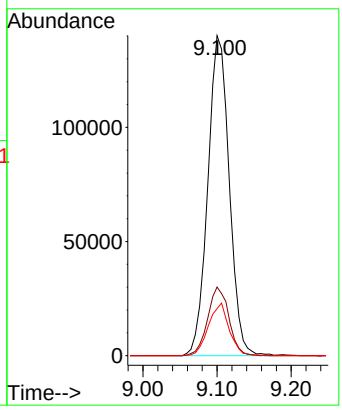


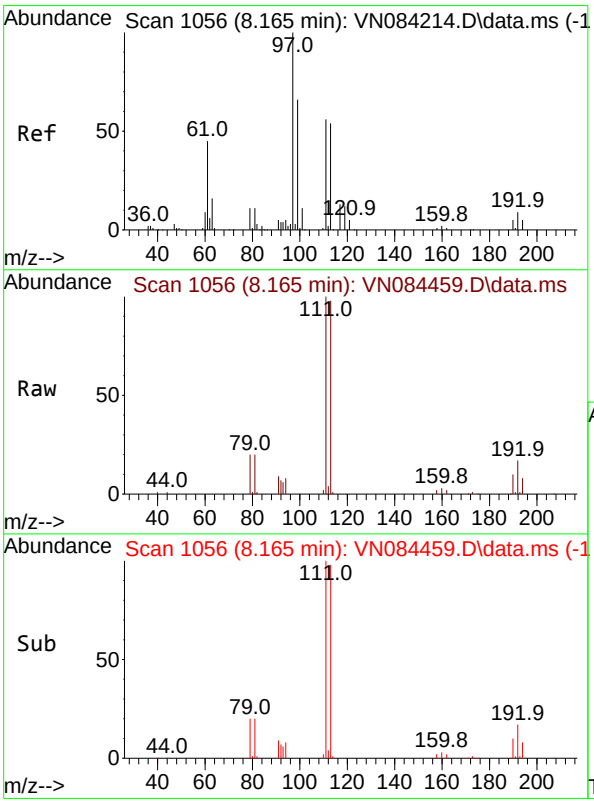
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Tgt Ion:114 Resp: 281977

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	14.7	0.0	31.6

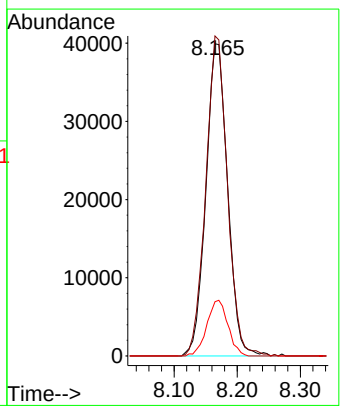


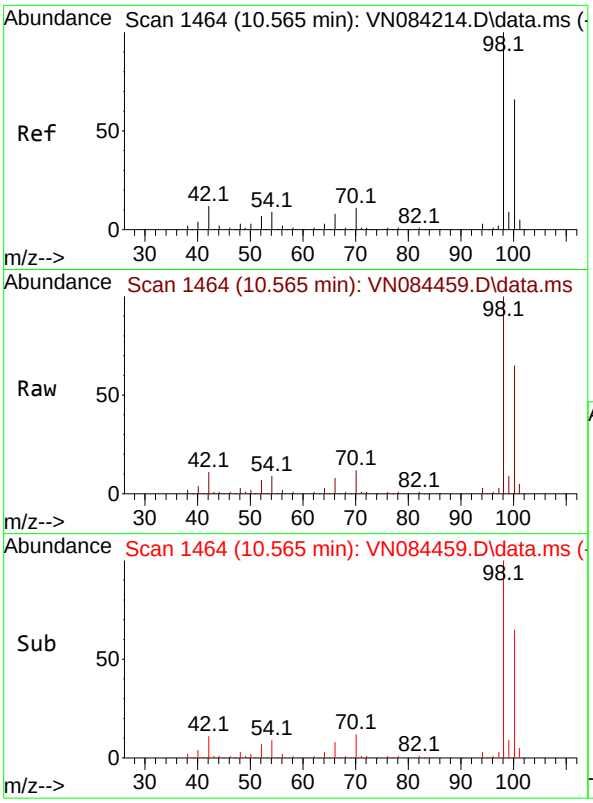


#35
Dibromofluoromethane
Concen: 51.254 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Tgt Ion:113 Resp: 95280

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	17.3	13.5	20.3



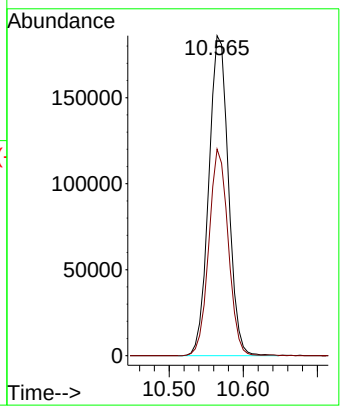


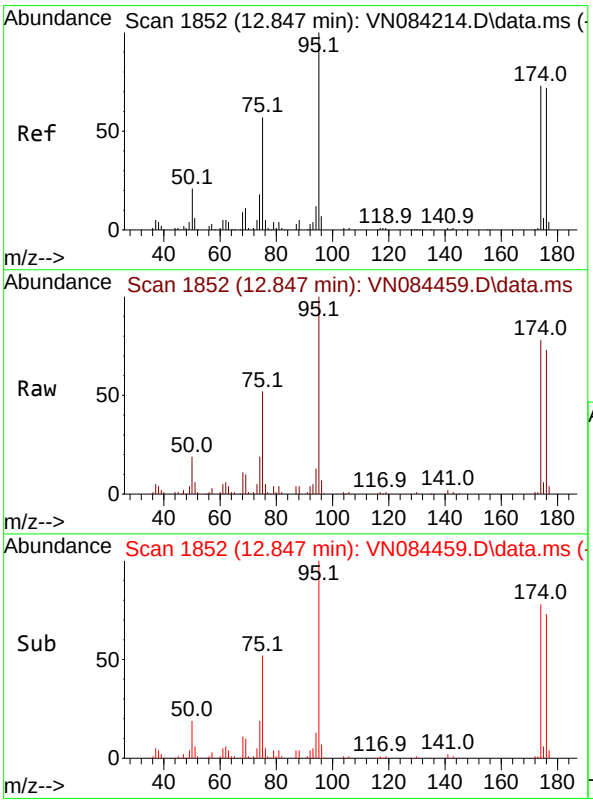
#50
Toluene-d8
Concen: 49.898 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Tgt Ion: 98 Resp: 341267

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.7	79.1

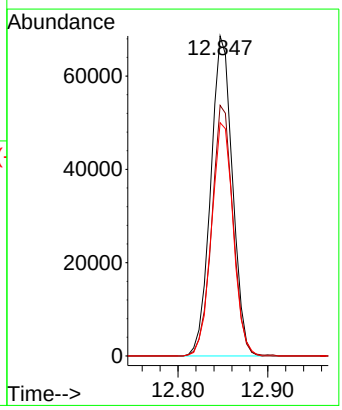


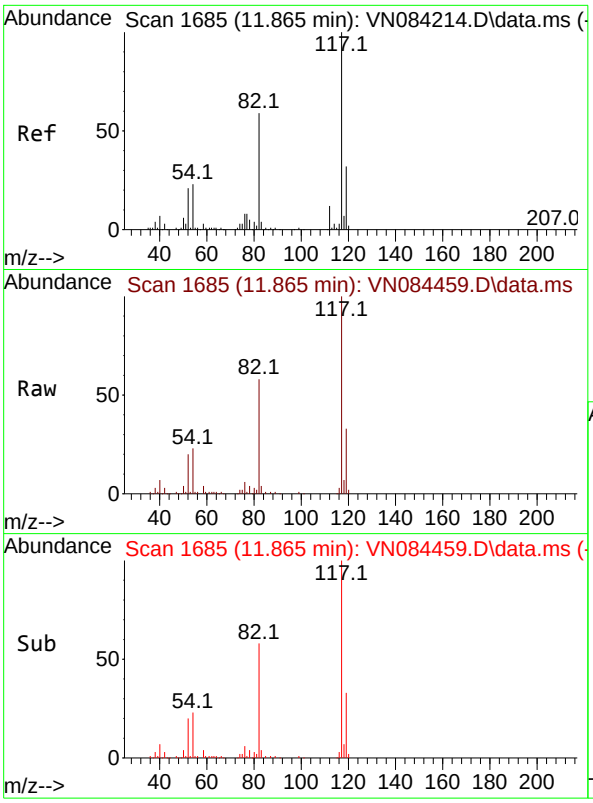


#62
4-Bromofluorobenzene
Concen: 46.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Tgt Ion: 95 Resp: 115495

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	145.2
176	72.8	0.0	140.0



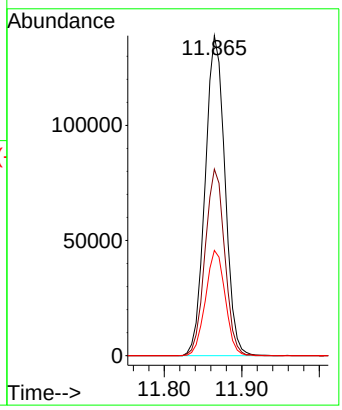


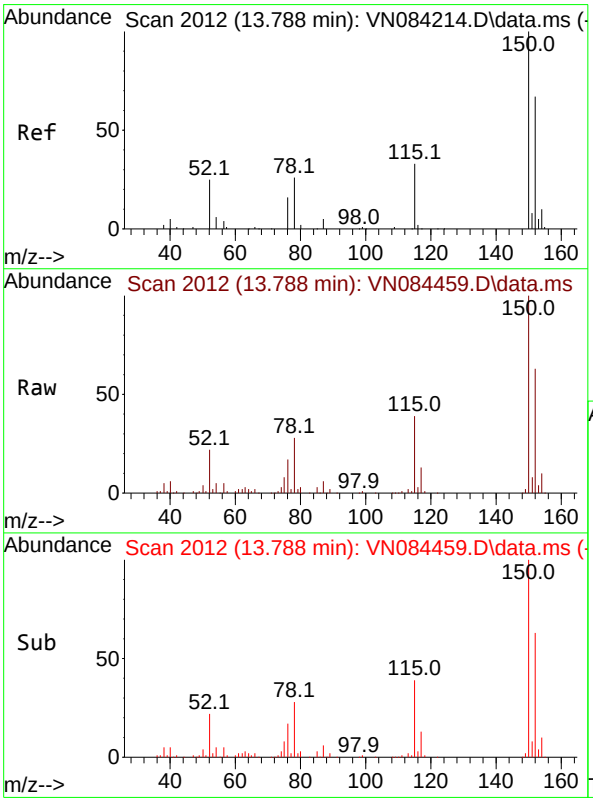
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

Tgt Ion:117 Resp: 245983

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.9	25.4	38.0

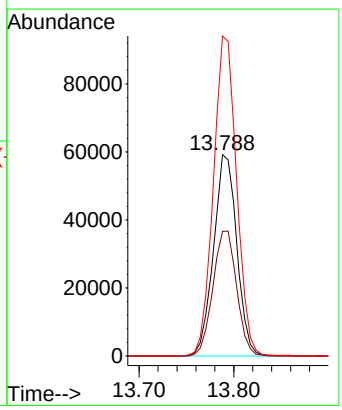




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084459.D
Acq: 22 Oct 2024 17:09

Tgt Ion:152 Resp: 100831

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	158.9	0.0	349.8



Sample Results: **VN084459.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

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: VN084459.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	131957	312340	34.69%	6.717%
2	8.224	1061	1066	1082	rVB	225278	496513	55.15%	10.677%
3	8.577	1117	1126	1141	rBV	142763	319269	35.46%	6.866%
4	9.100	1207	1215	1229	rBV	330380	664435	73.80%	14.288%
5	10.565	1454	1464	1480	rBV	491546	900346	100.00%	19.361%
6	11.865	1677	1685	1696	rBV	431335	765139	84.98%	16.453%
7	12.847	1845	1852	1860	rBV	338684	560810	62.29%	12.060%
8	13.788	2005	2012	2024	rVB	370934	631484	70.14%	13.579%

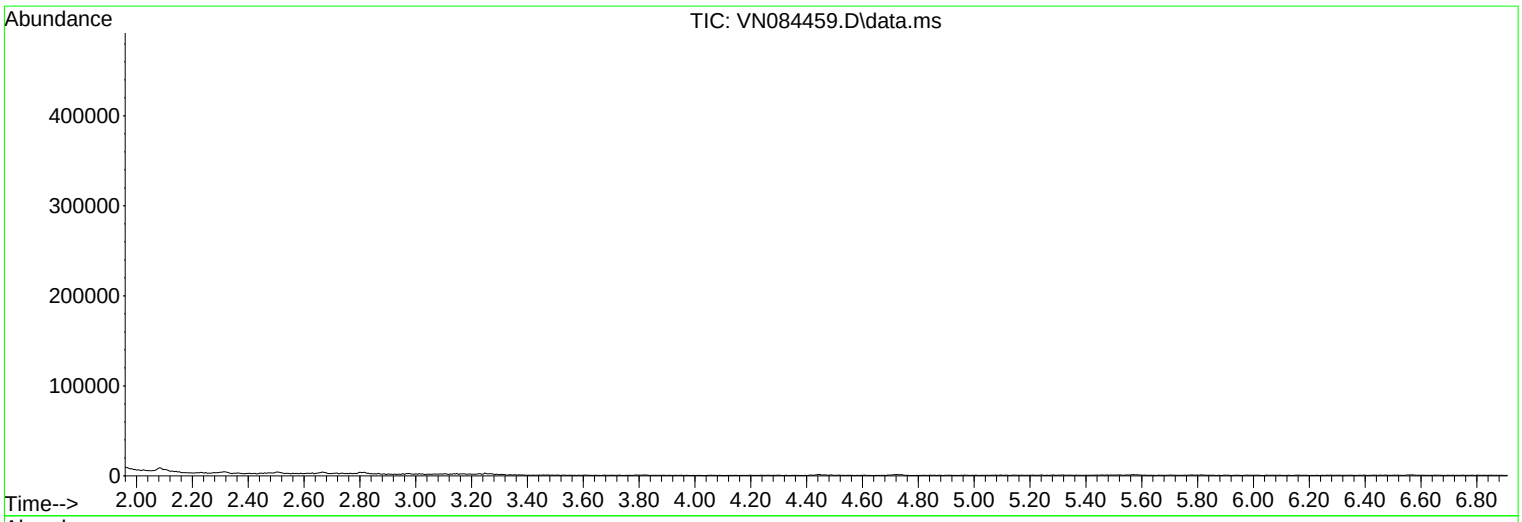
Sum of corrected areas: 4650336

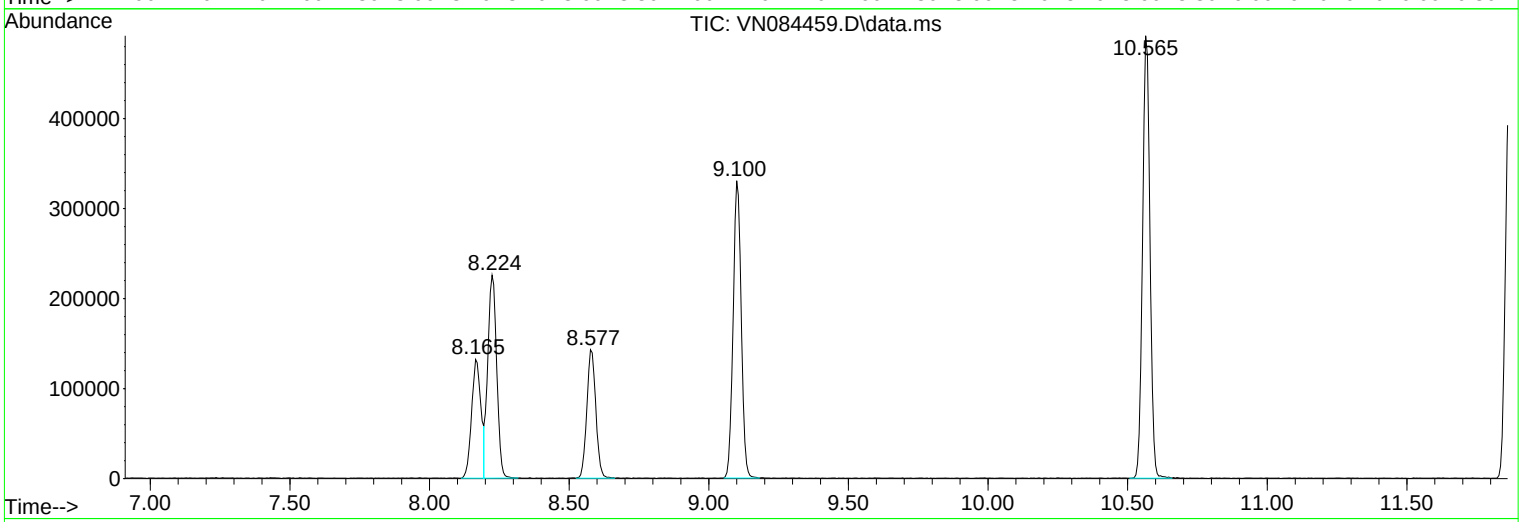
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

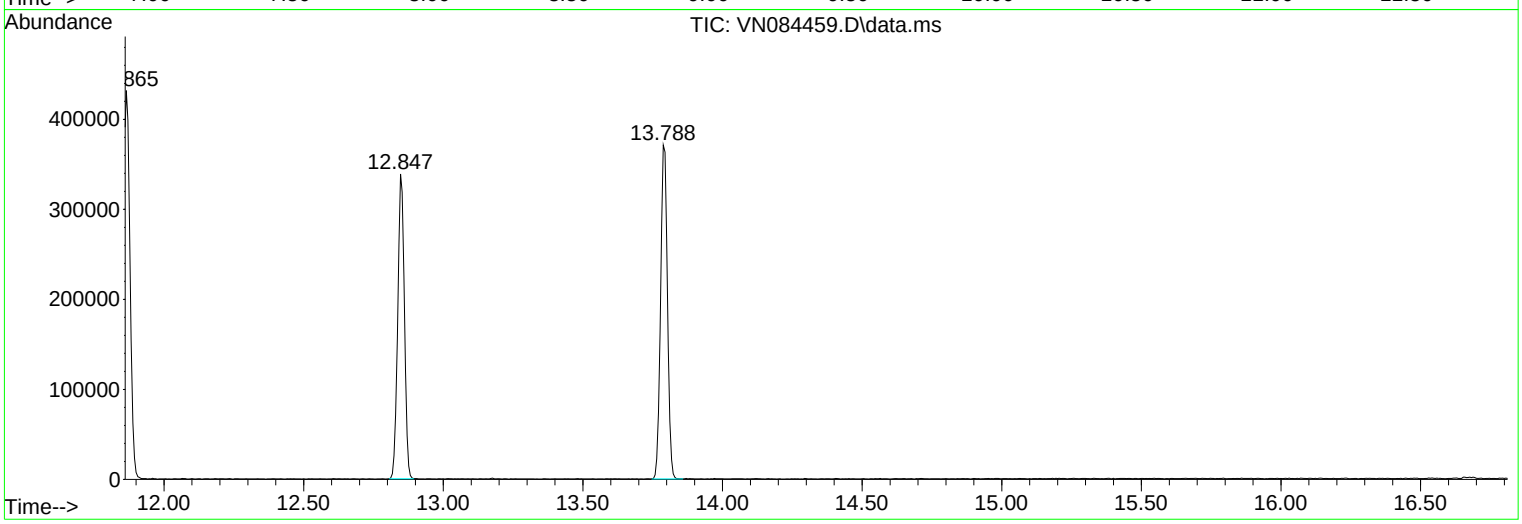
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

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\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

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\VN102224\
Data File : VN084459.D
Acq On : 22 Oct 2024 17:09
Operator : JC\MD
Sample : P4475-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-278-280

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.: P4475 SAS No.: P4475 SDG No.: P4475

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,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4475 SAS No.: P4475 SDG No.: P4475

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

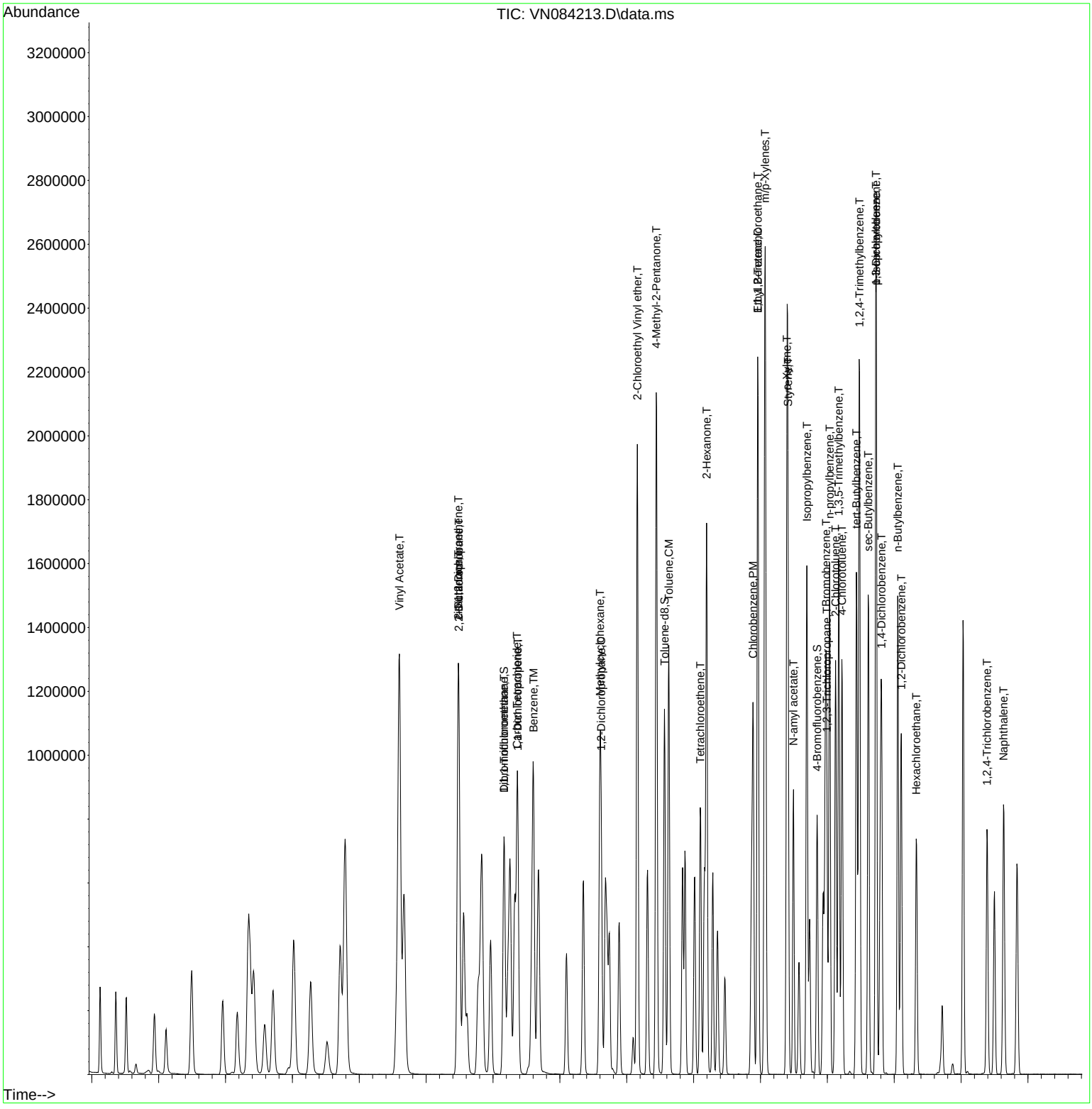
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Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

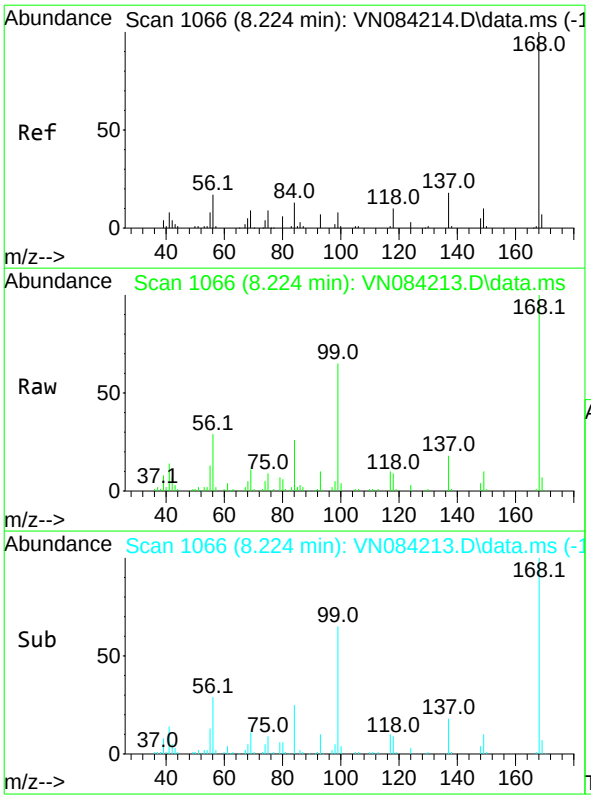
Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

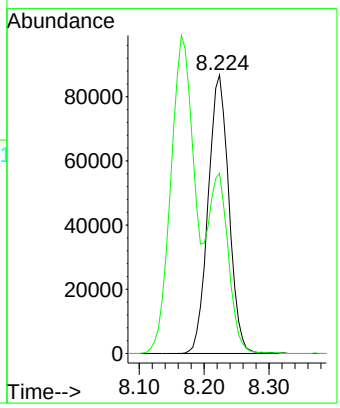




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:168 Resp: 192402

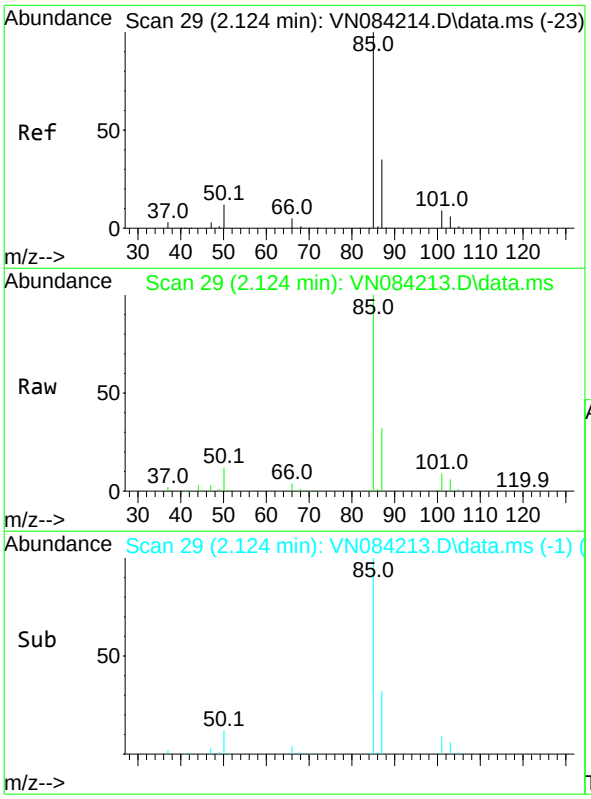
Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

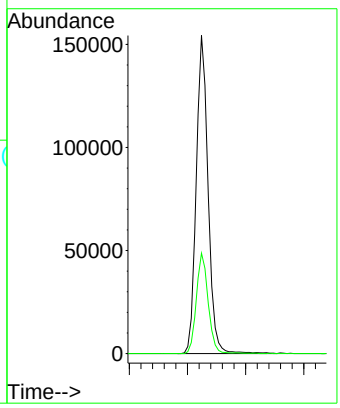
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

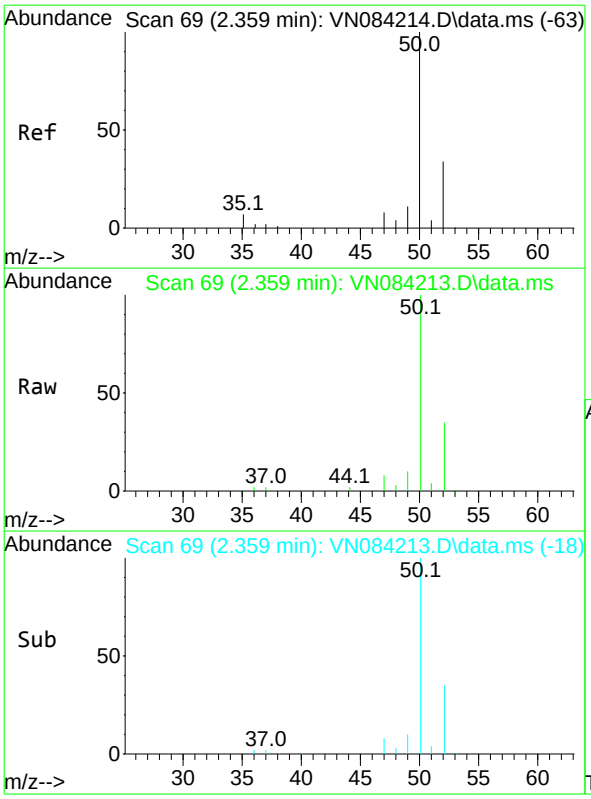


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9

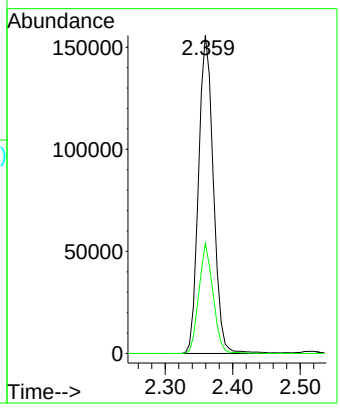




#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 50 Resp: 238104

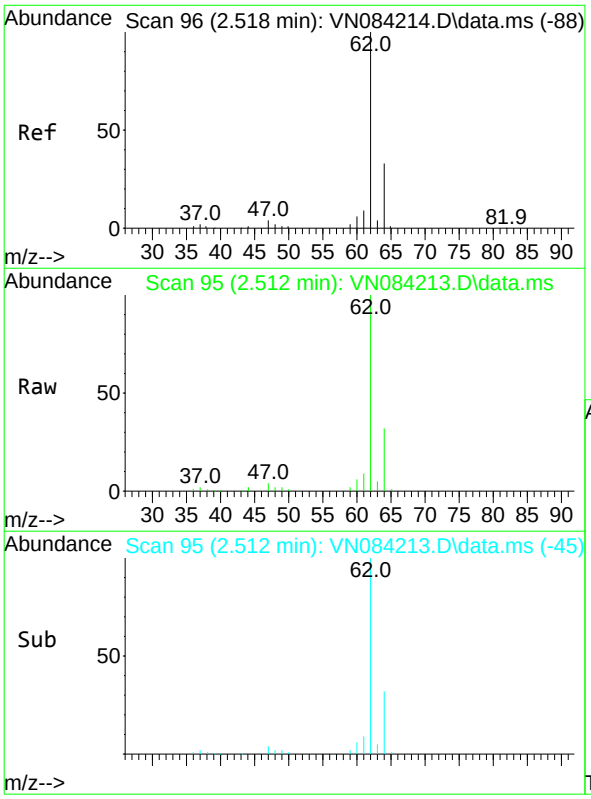
Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

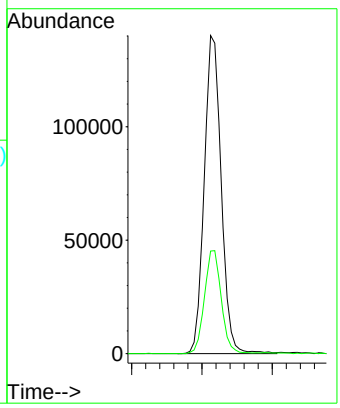
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

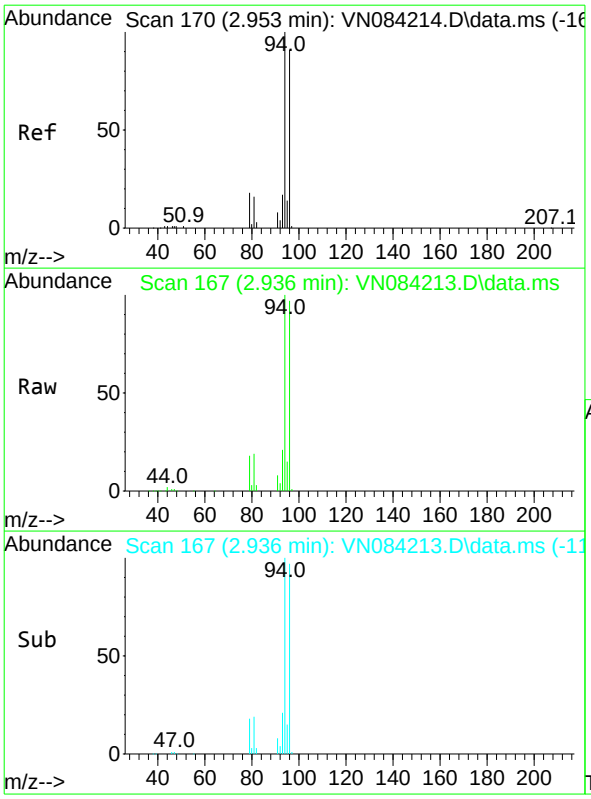


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4

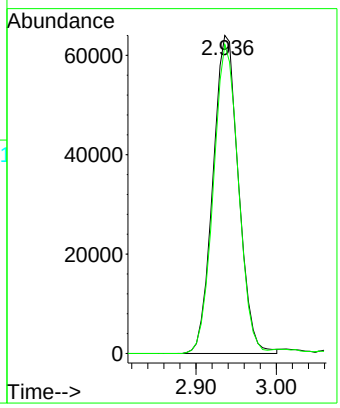




#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 16
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 94 Resp: 141604

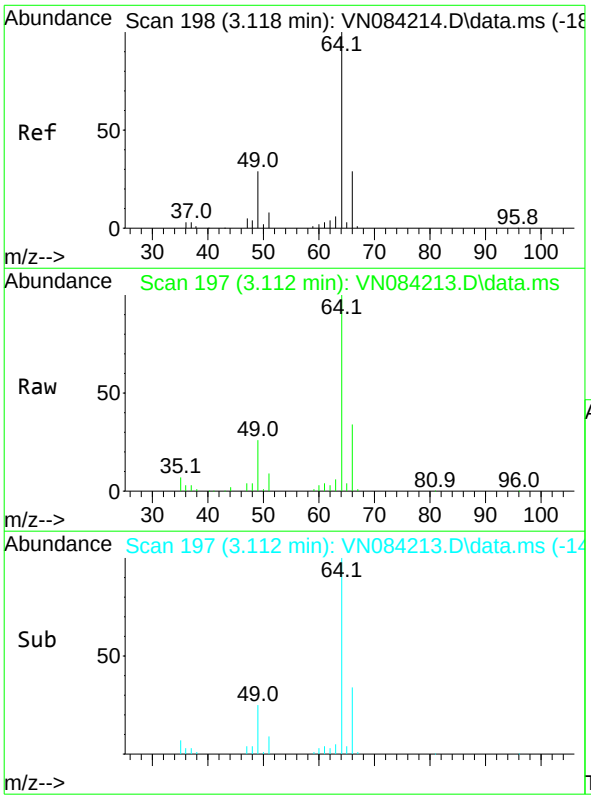
Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

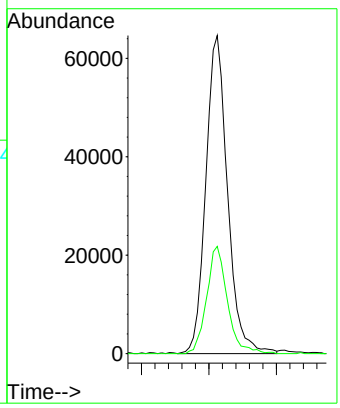
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

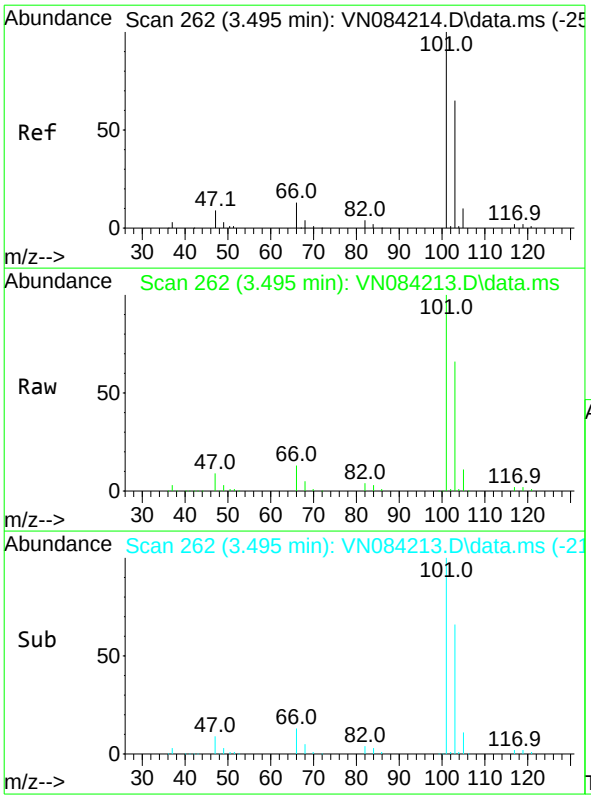


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3

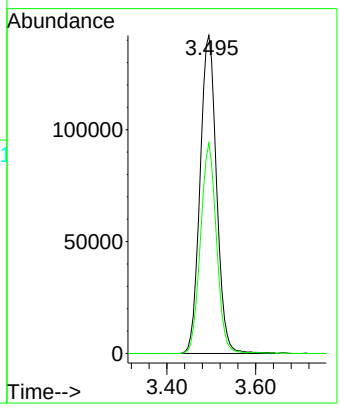




#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 366907

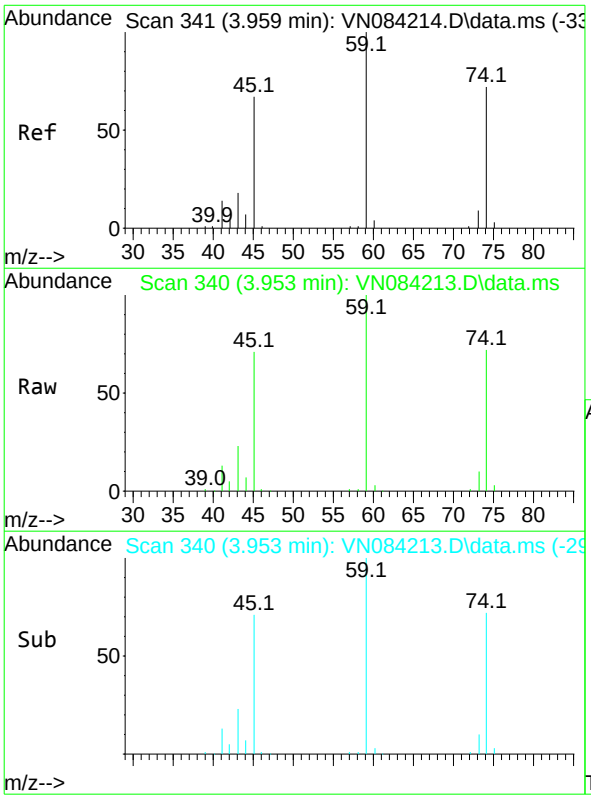
Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

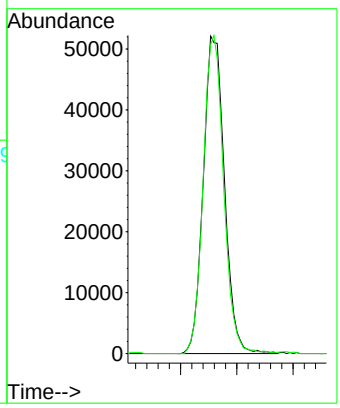
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

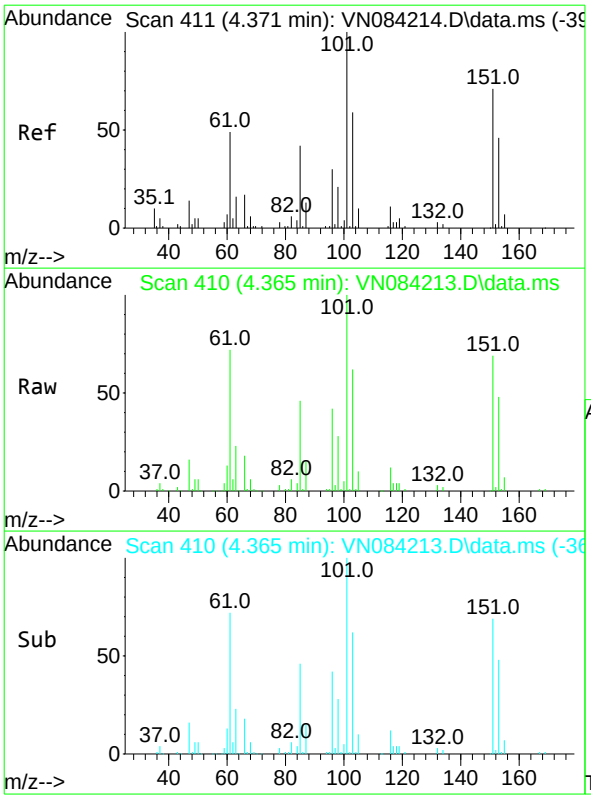


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1

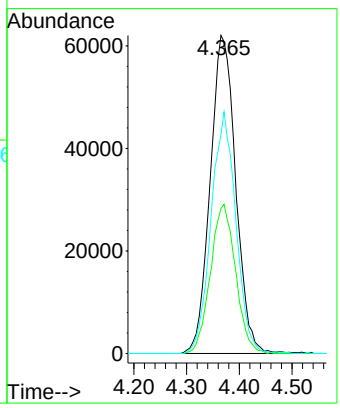




#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 208443

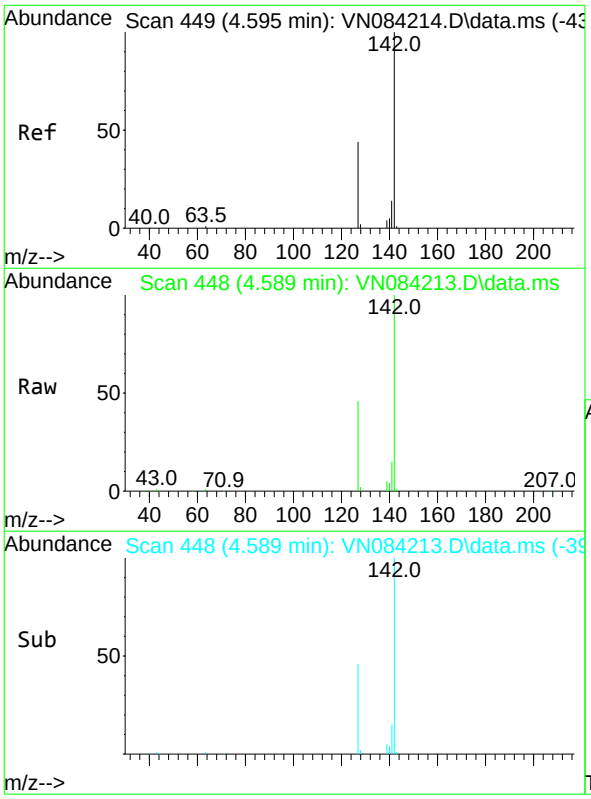
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	74.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

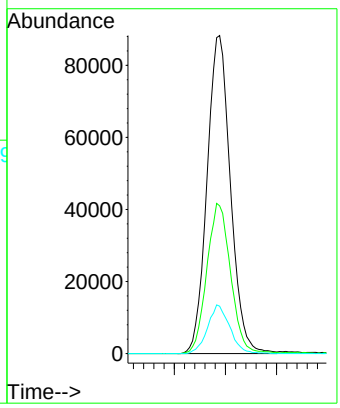
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

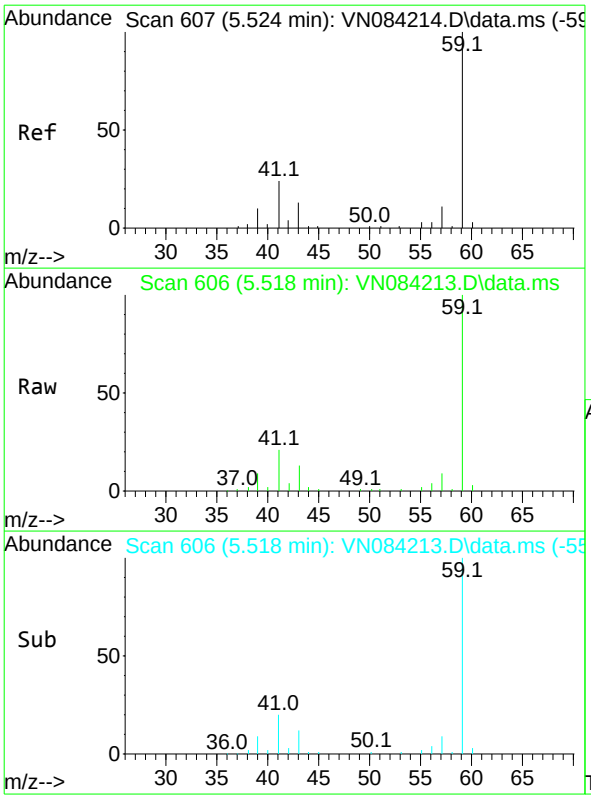


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

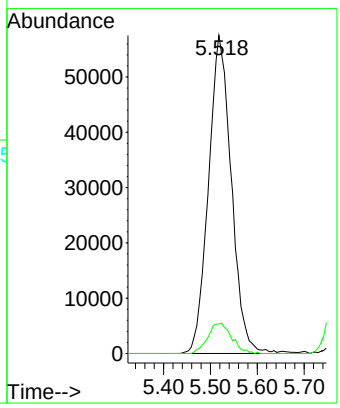




#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 59 Resp: 194750

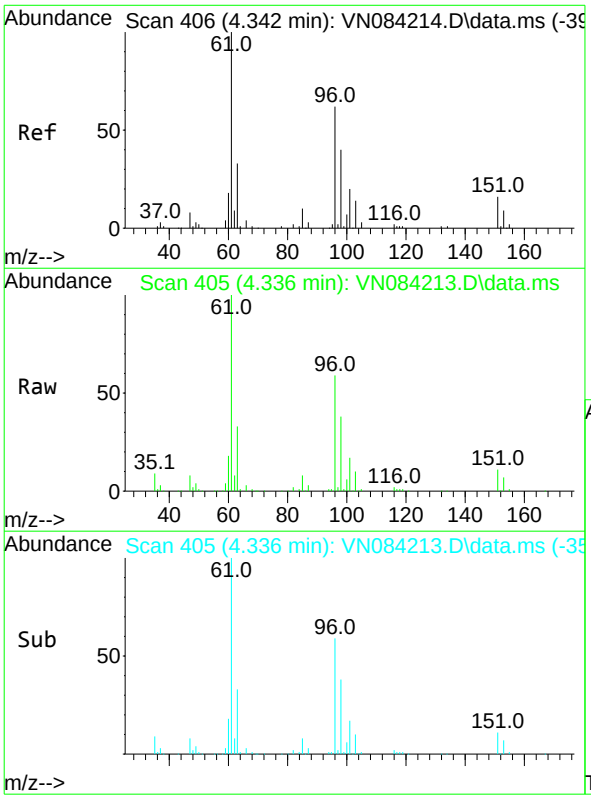
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

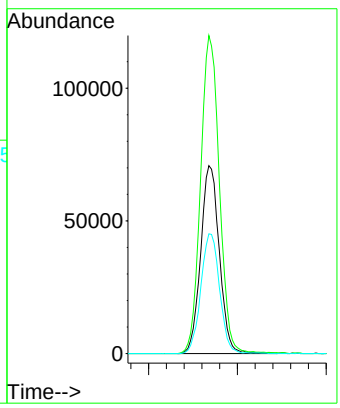
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

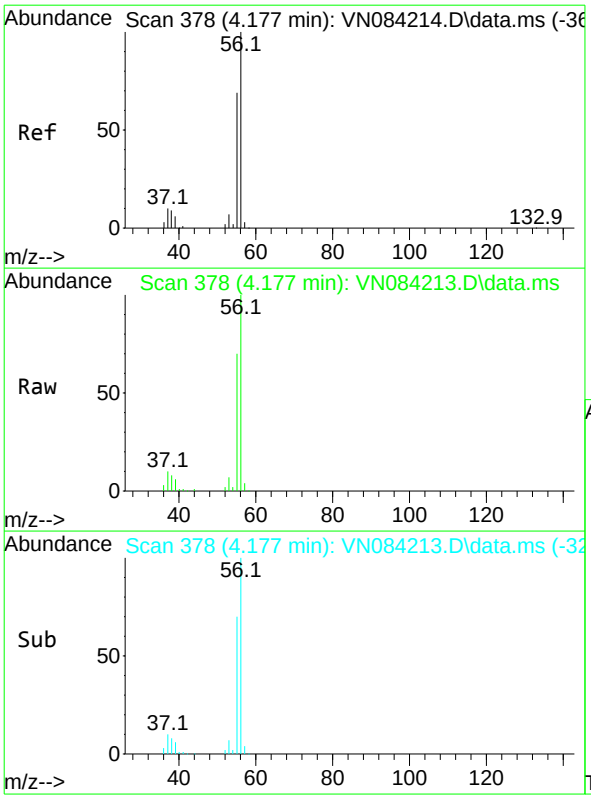


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

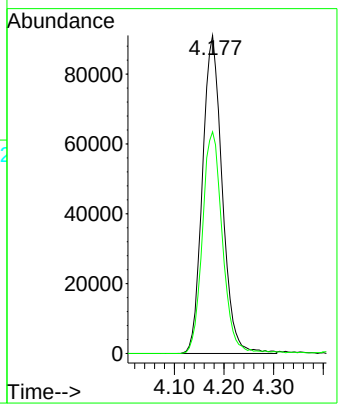




#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 251811

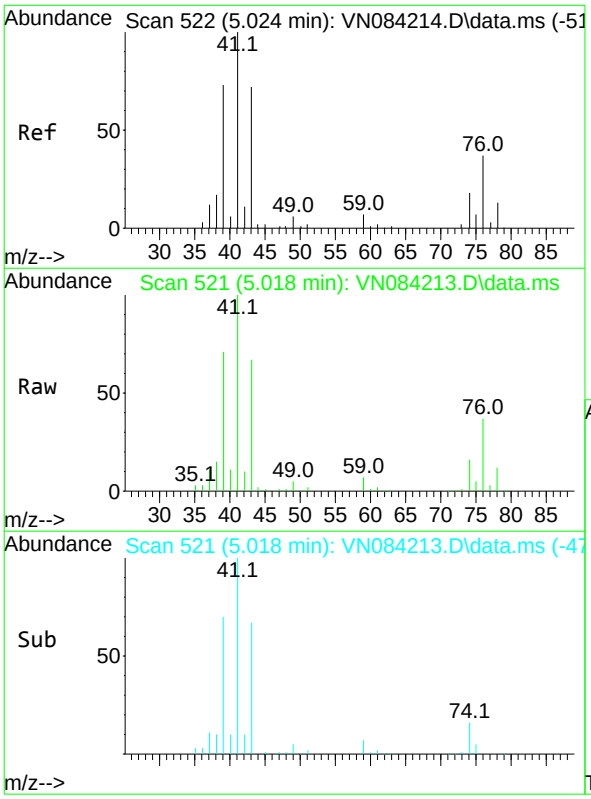
Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

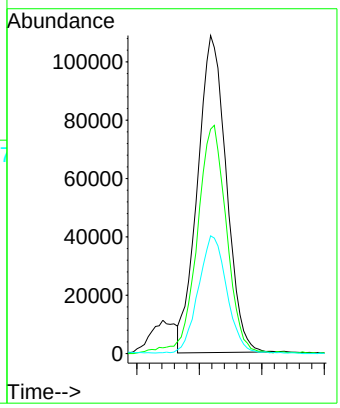
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

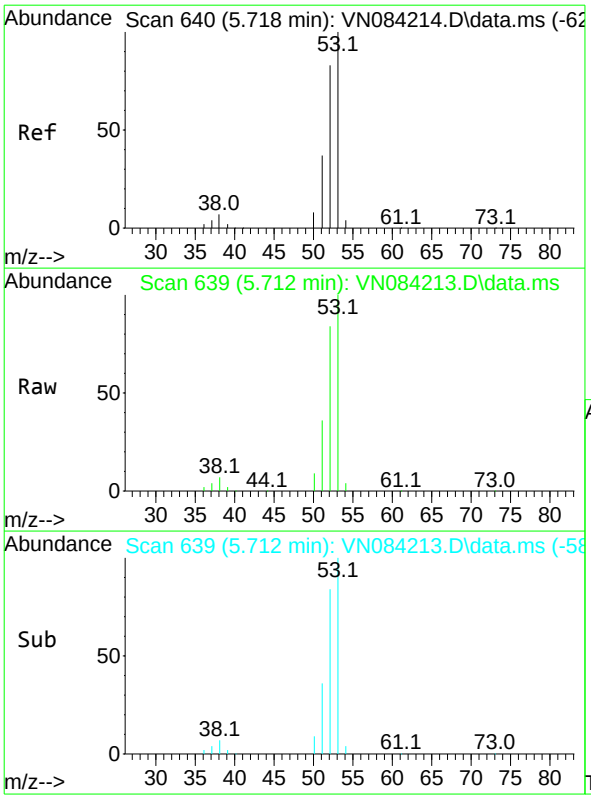


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

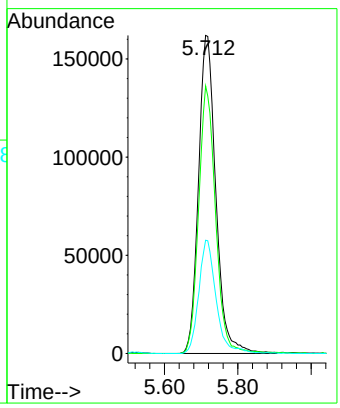




#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 53 Resp: 533270

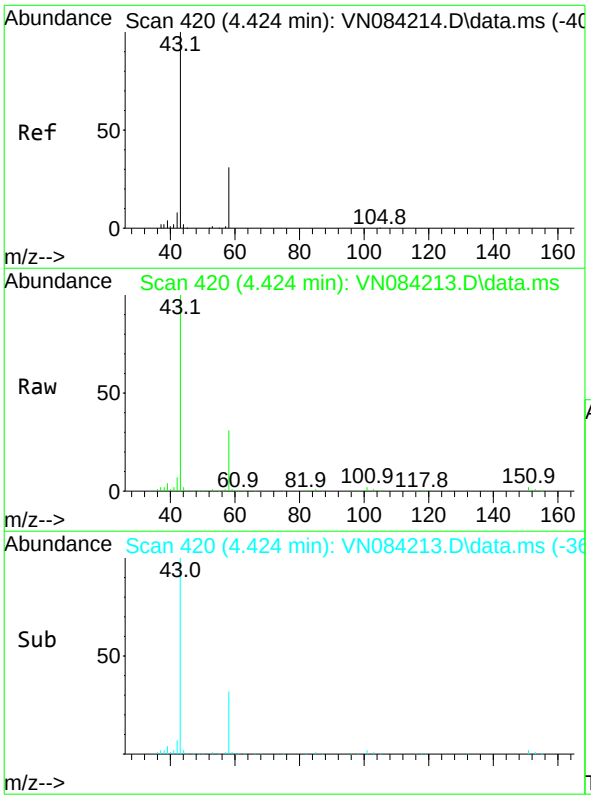
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

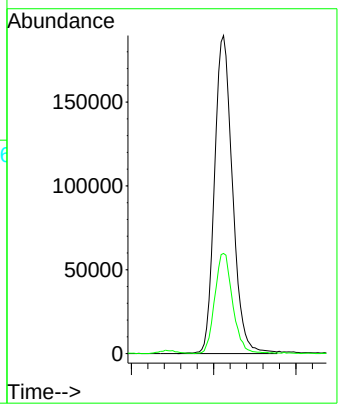
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

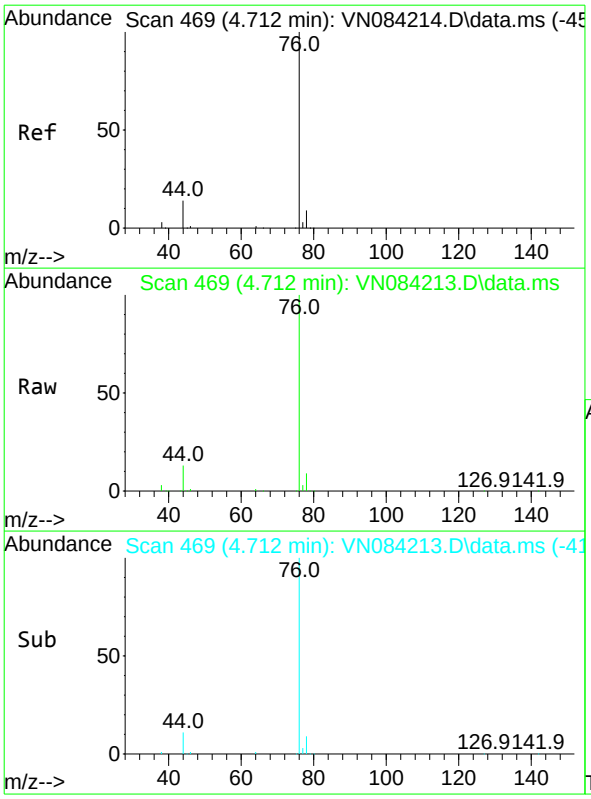


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6

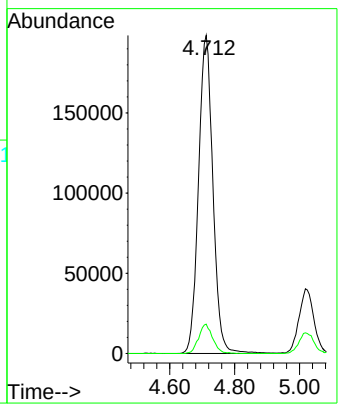




#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 611042

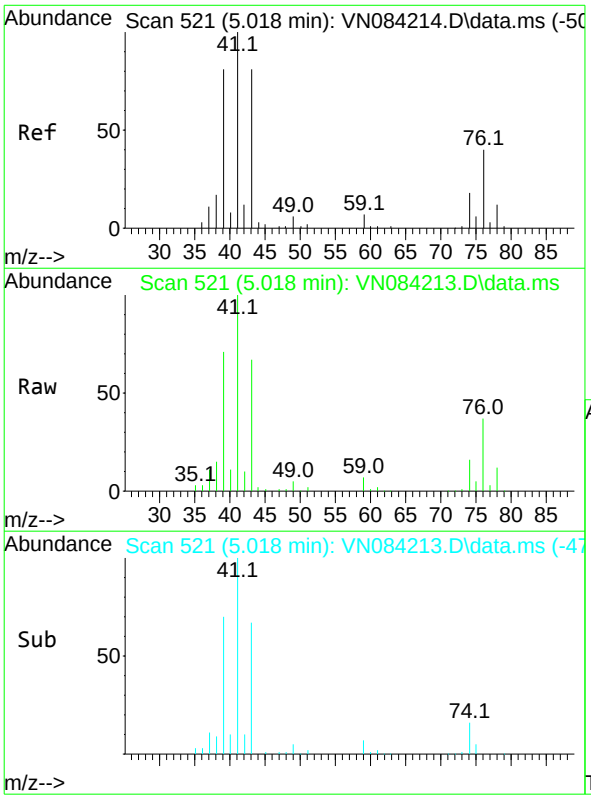
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

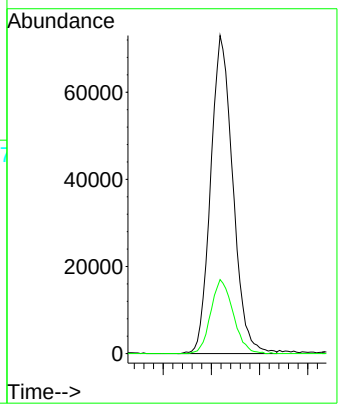
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

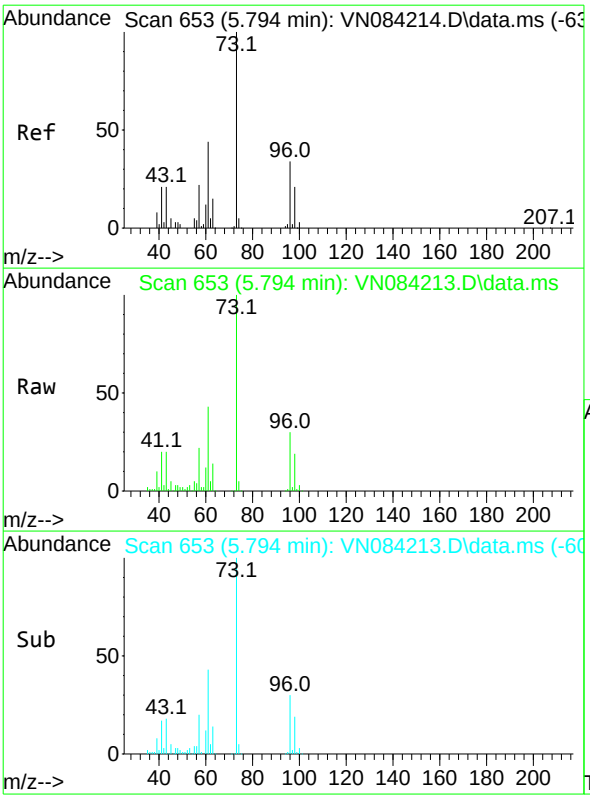


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8

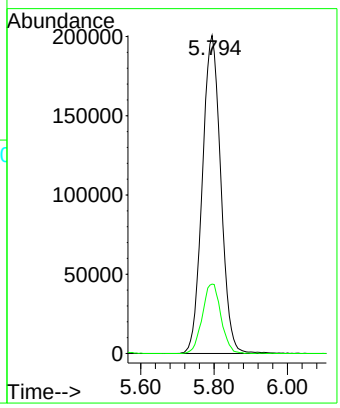




#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 73 Resp: 702366

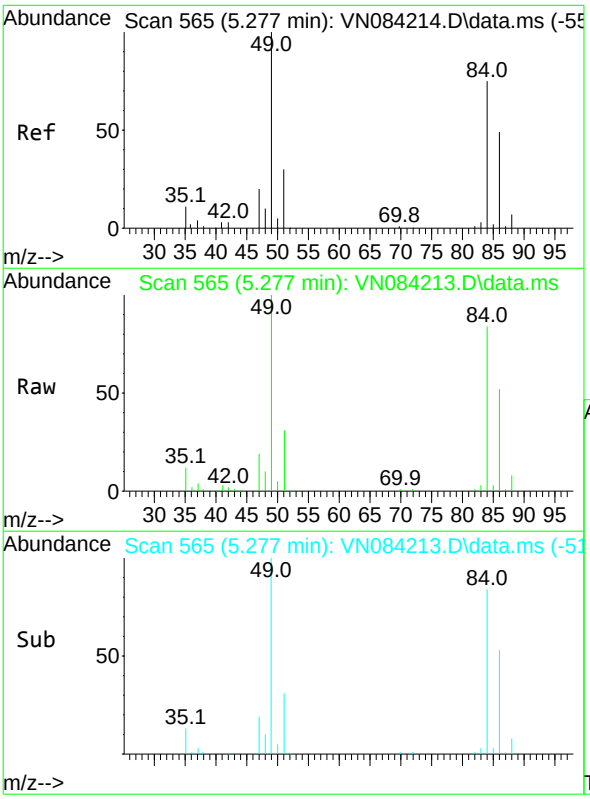
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

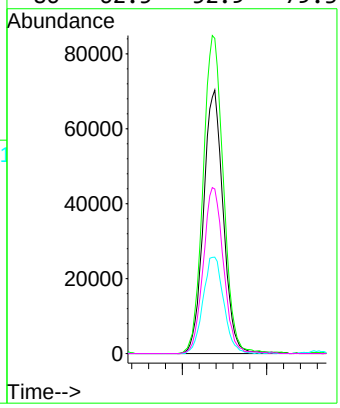
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

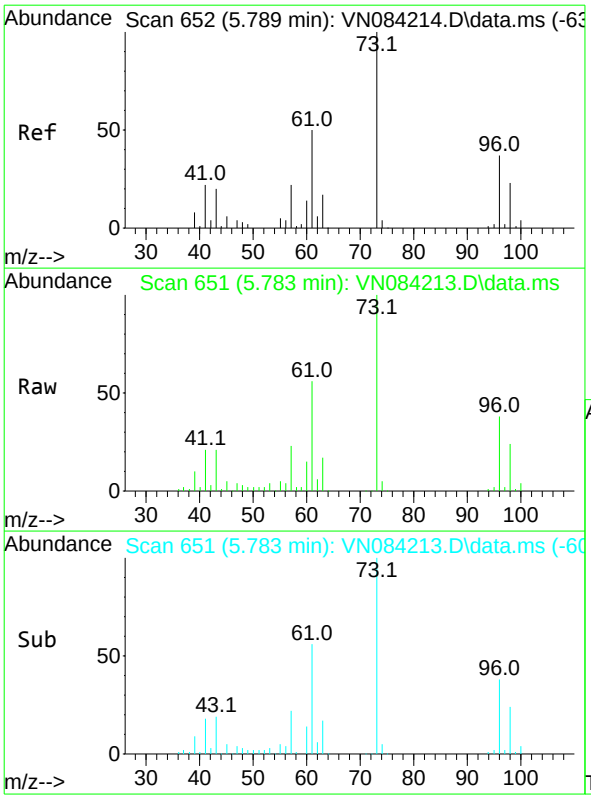


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

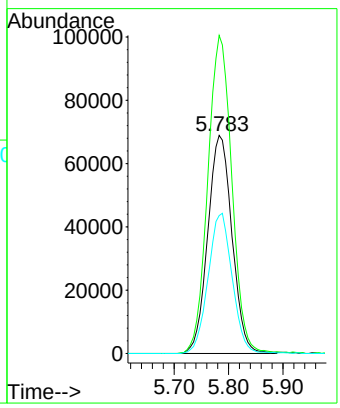




#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 213704

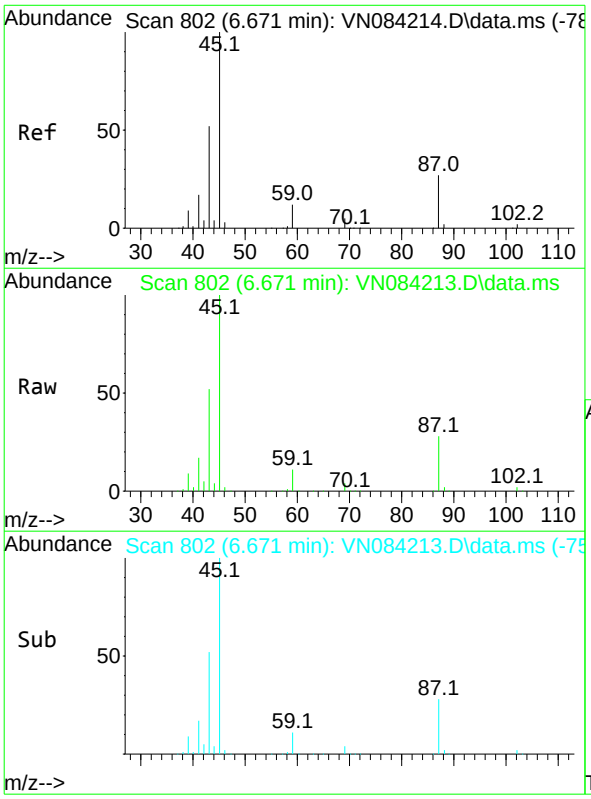
Ion	Ratio	Lower	Upper
96	100		
61	145.8	108.4	162.6
98	63.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

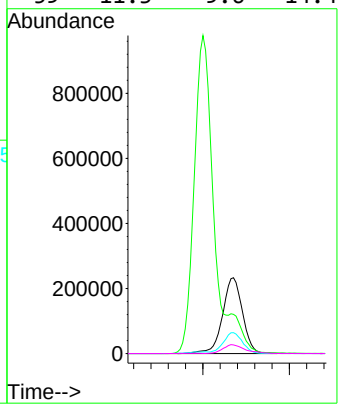
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

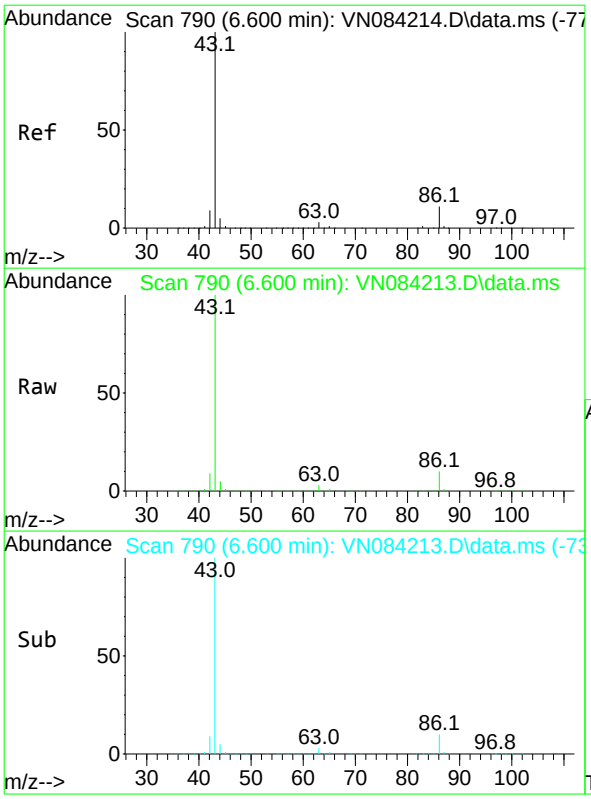


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

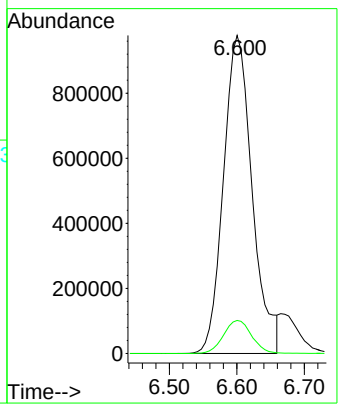




#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 289542

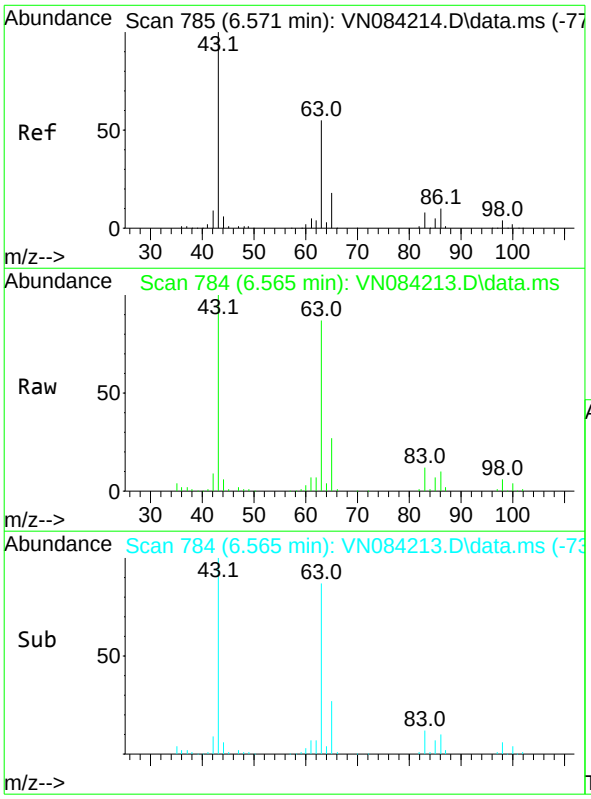
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

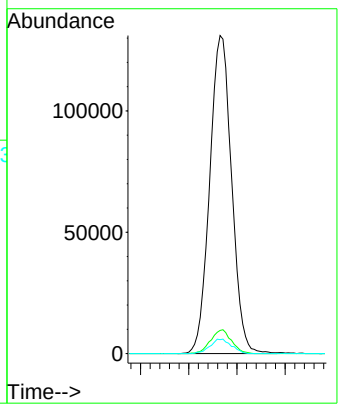
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

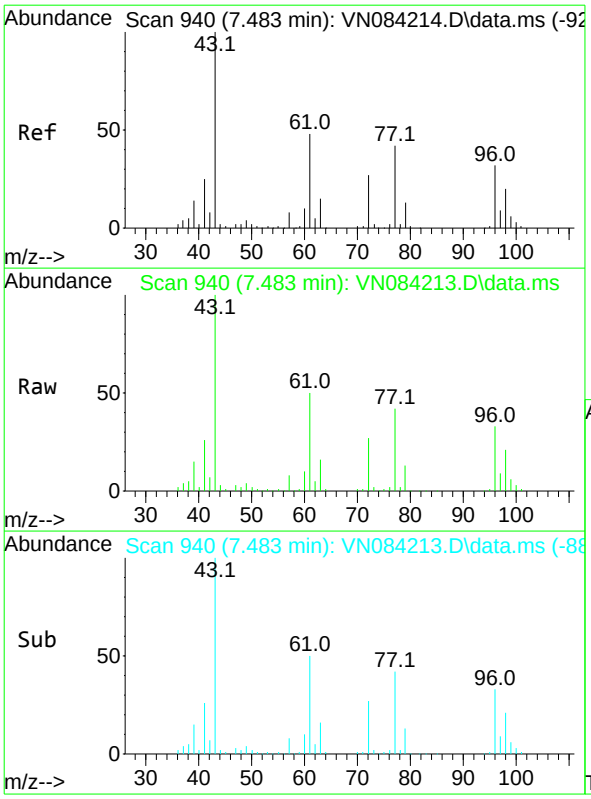


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

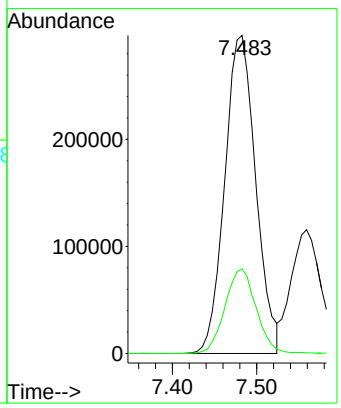




#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 759354

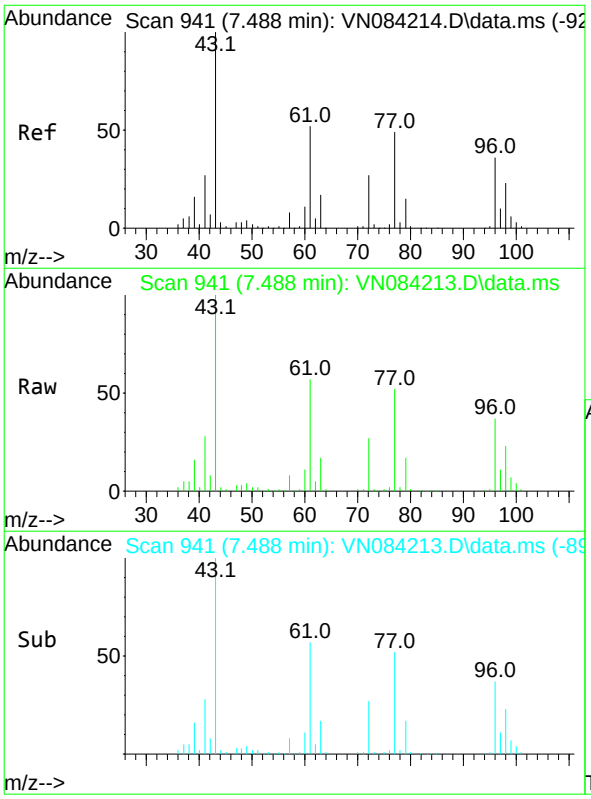
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

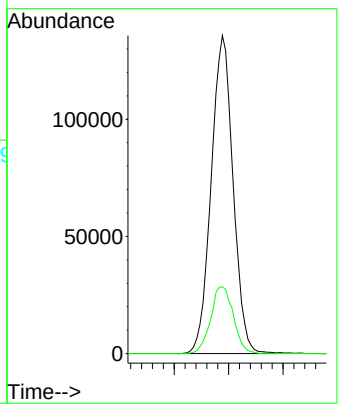
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

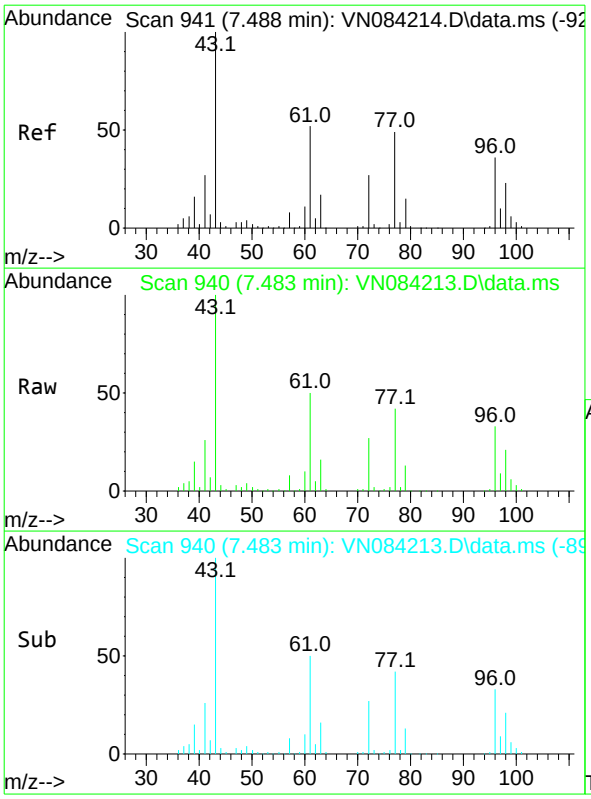


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

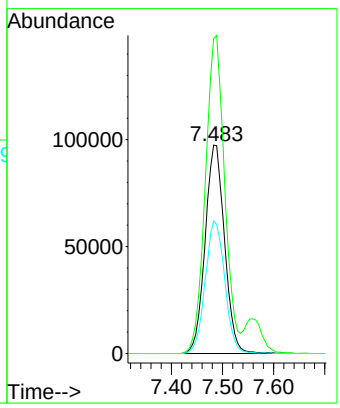




#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 257696

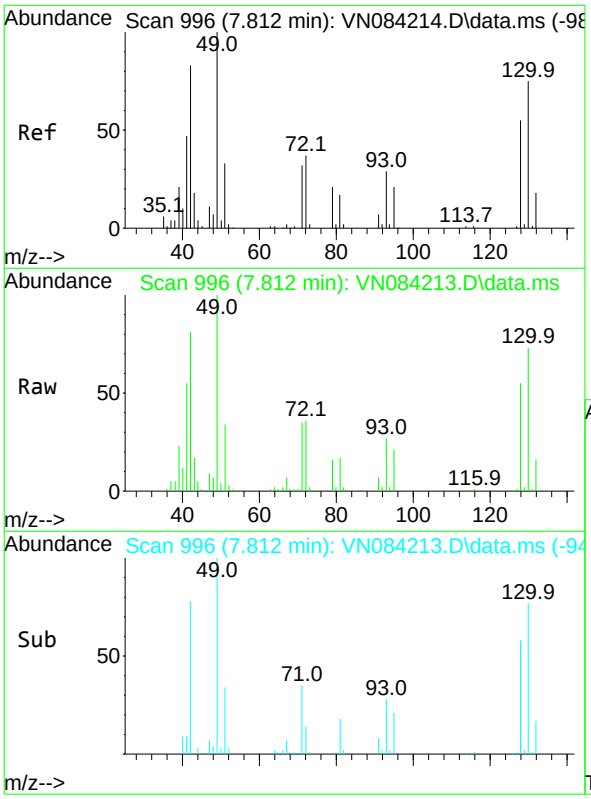
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	301.8
98	63.8	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

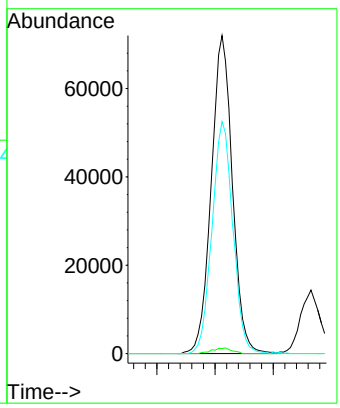
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

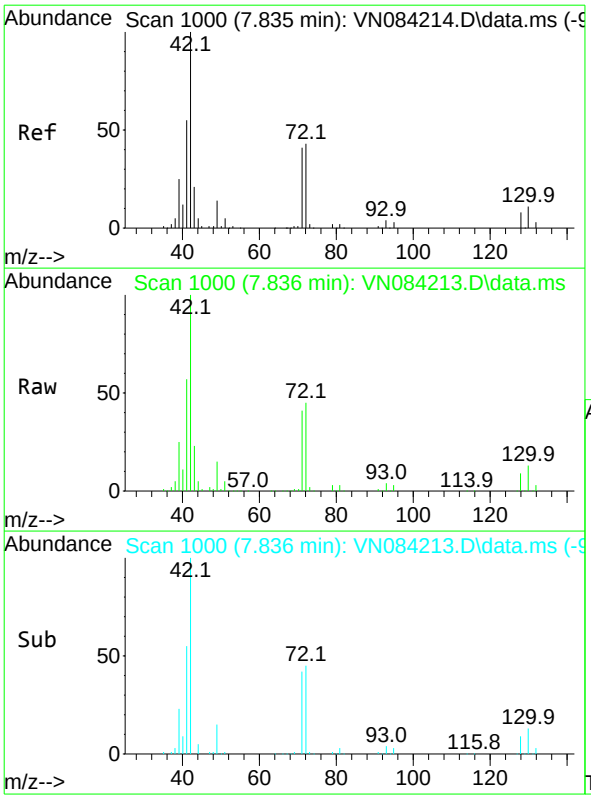


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

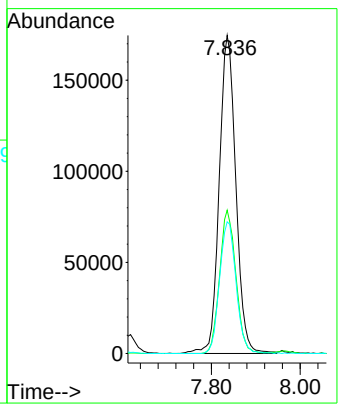




#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 42 Resp: 453342

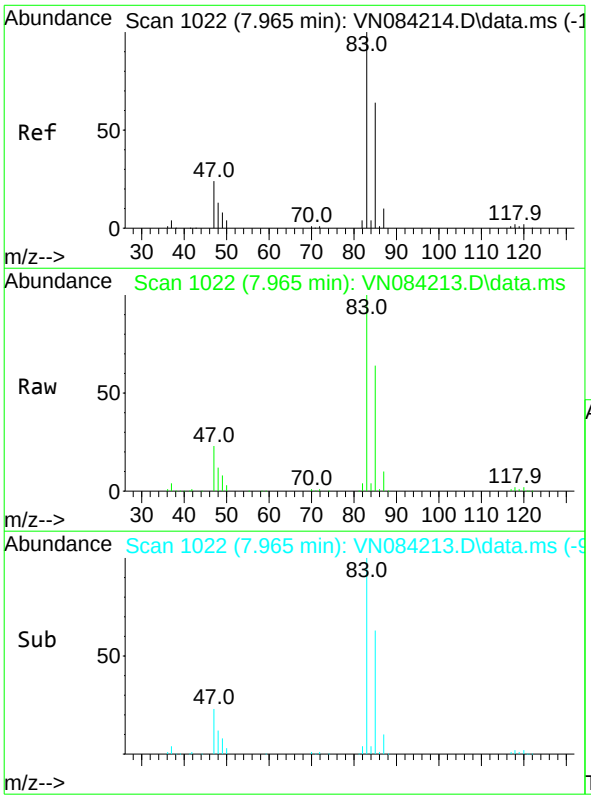
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	41.2	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

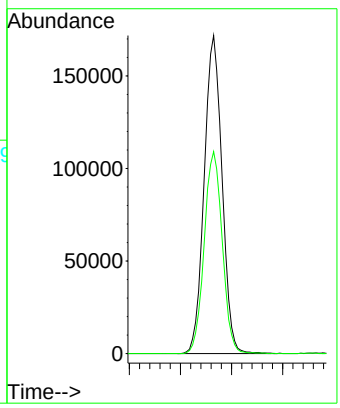
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

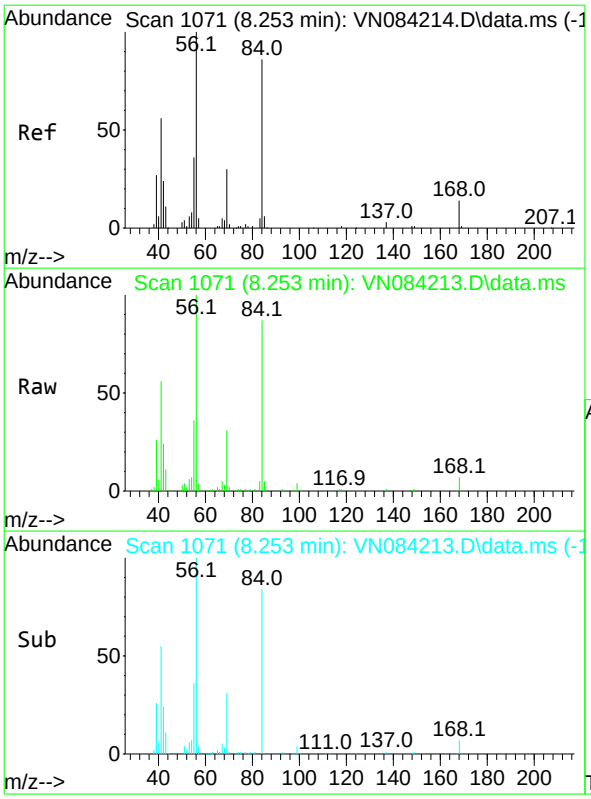


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

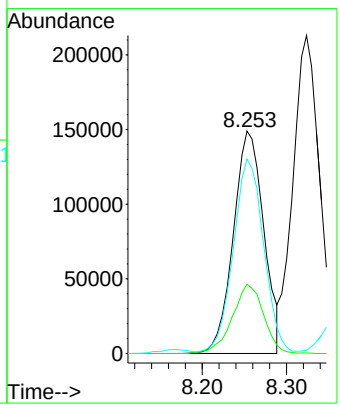




#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 373445

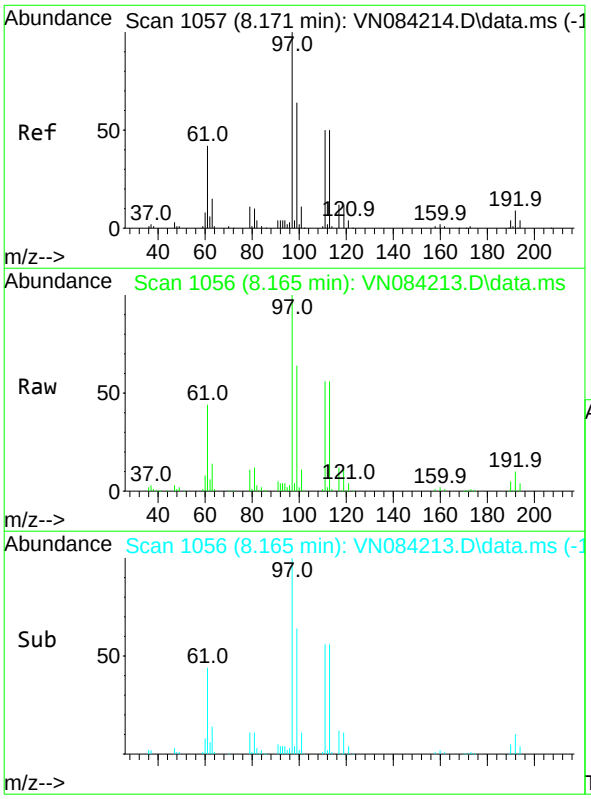
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	85.7	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

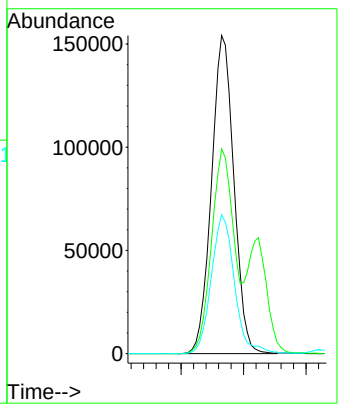
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

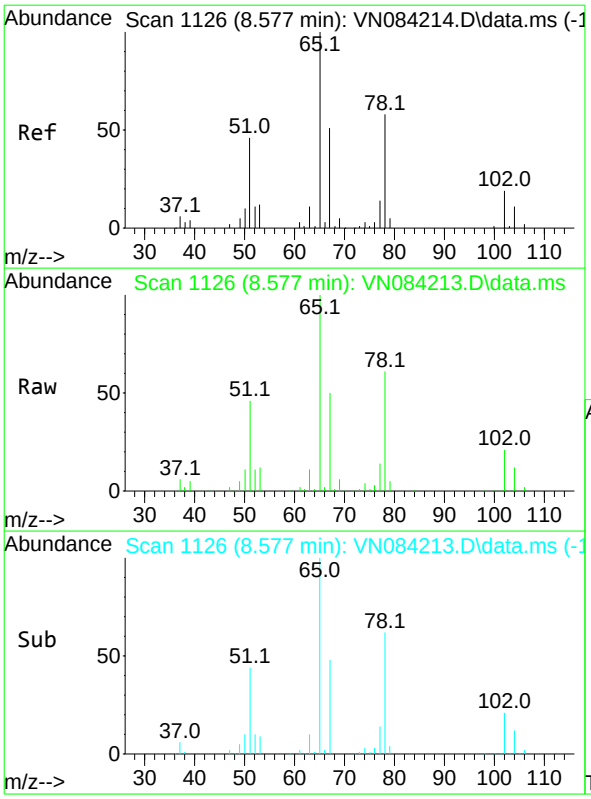


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

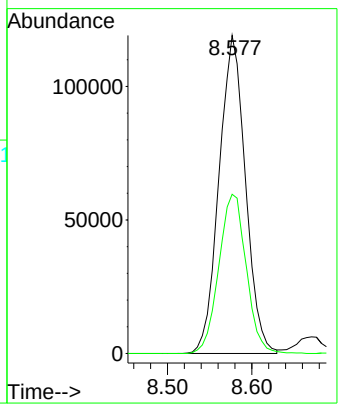




#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 65 Resp: 259018

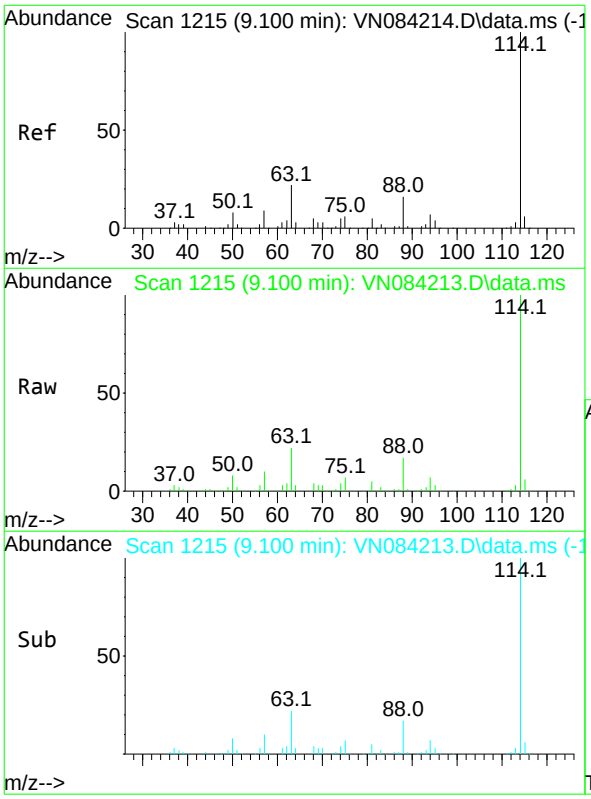
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

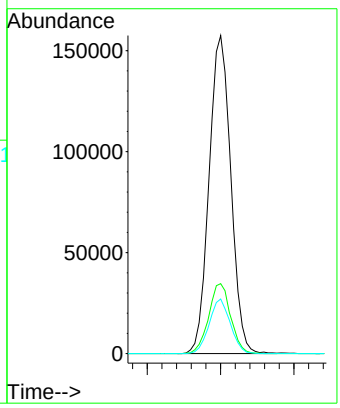
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

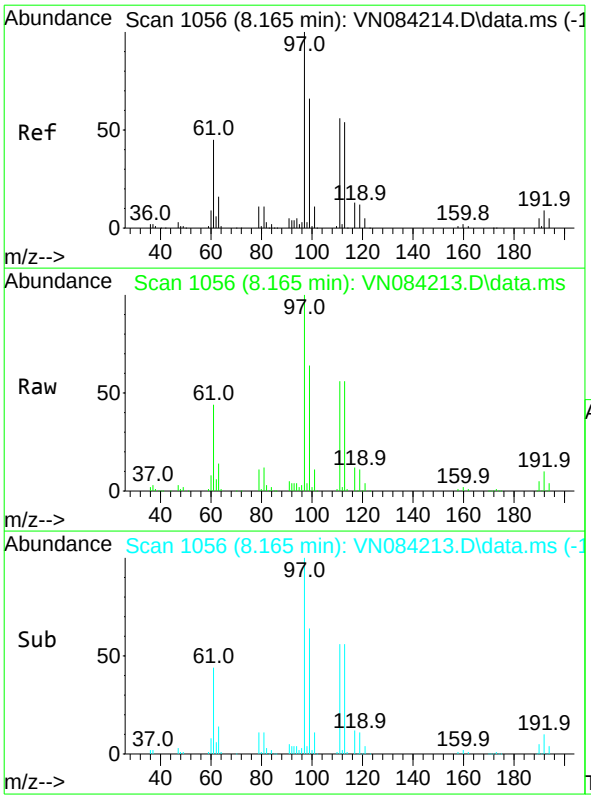


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

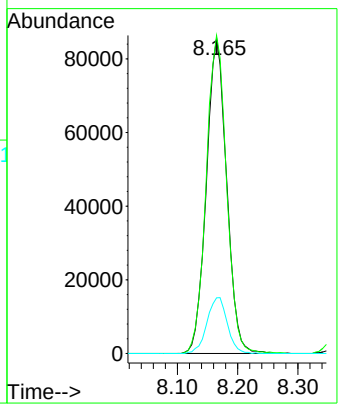




#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:113 Resp: 200166

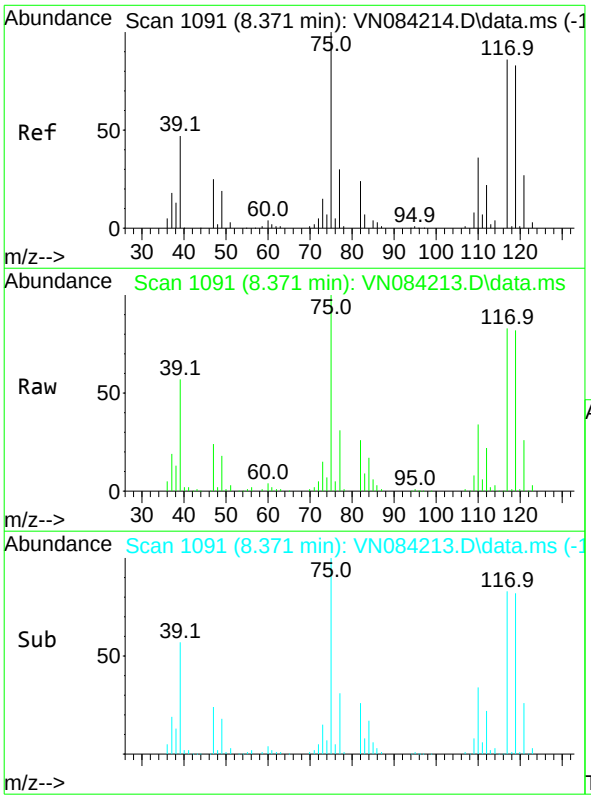
Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

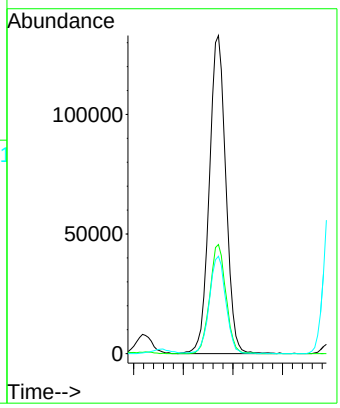
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

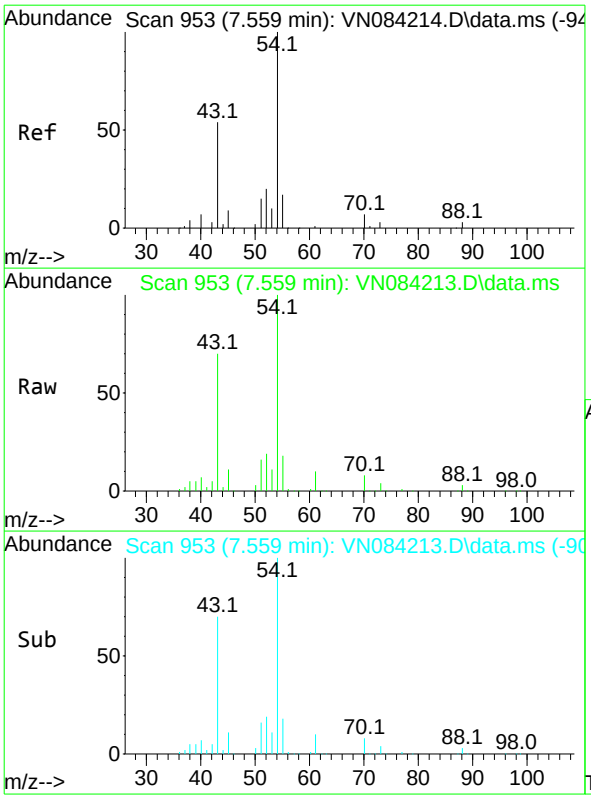


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

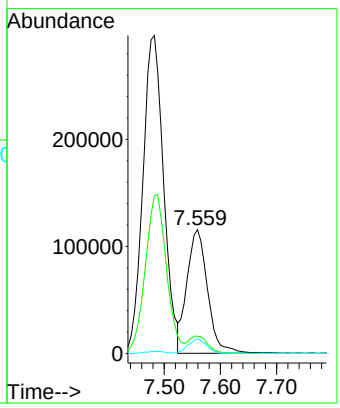




#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 293597

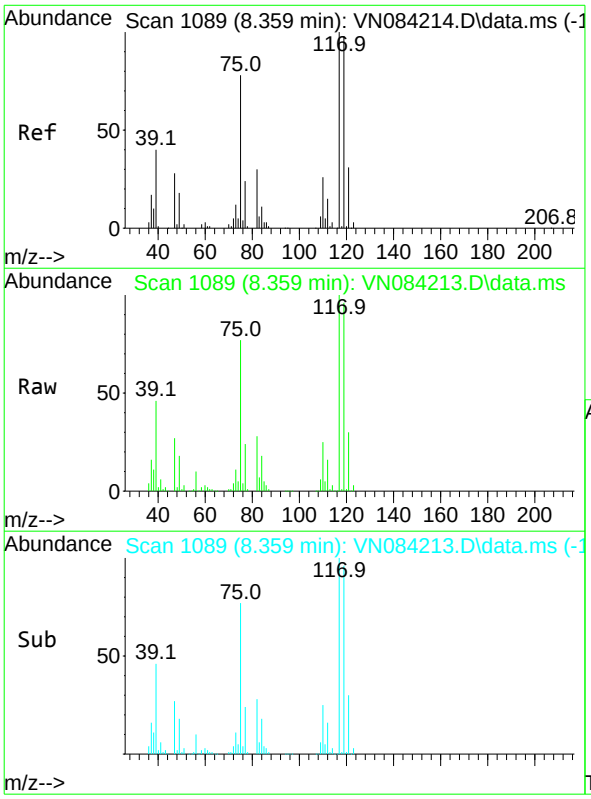
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

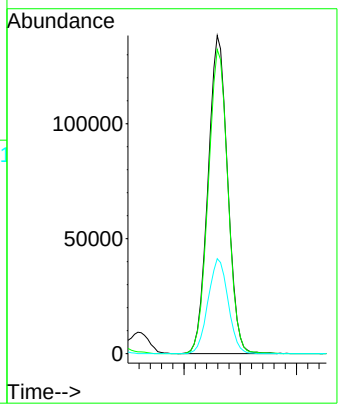
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

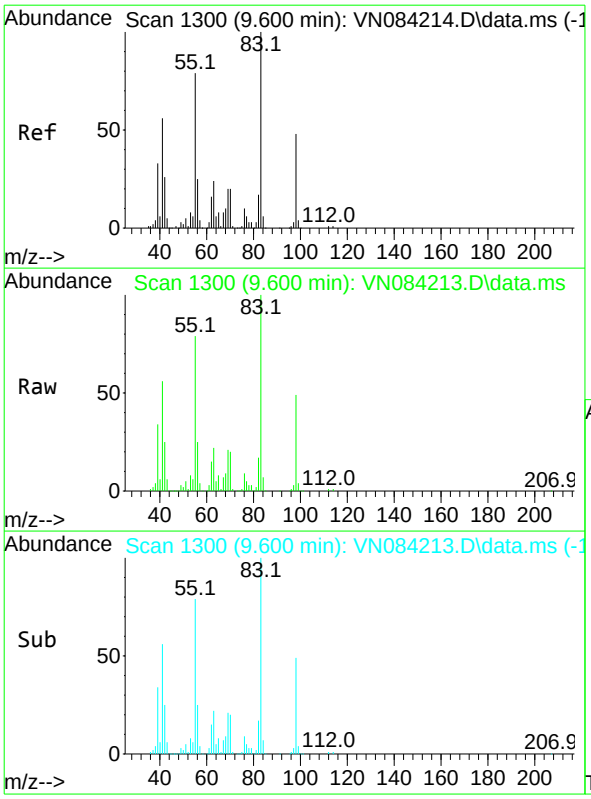


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

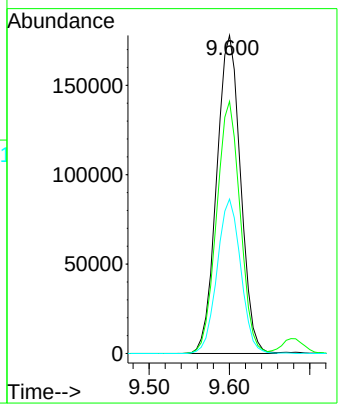




#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 368299

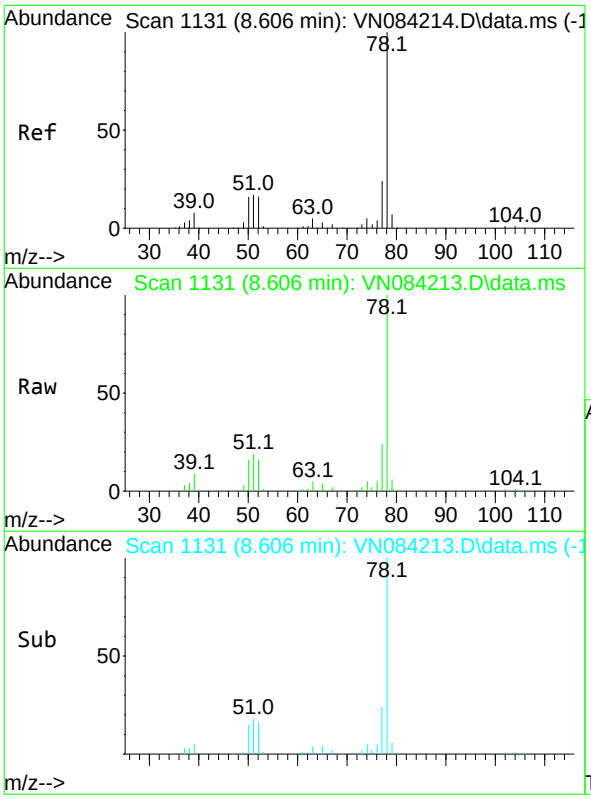
Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

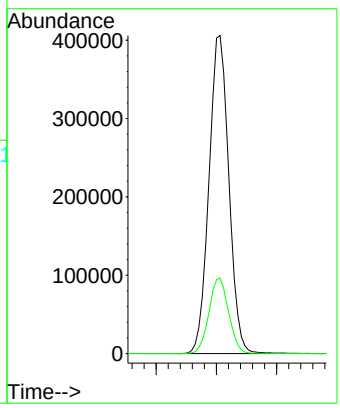
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

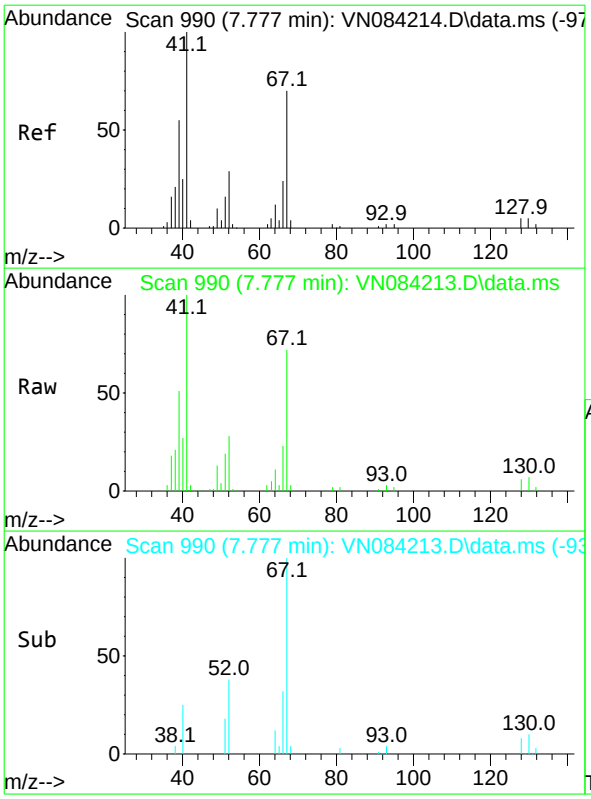


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7

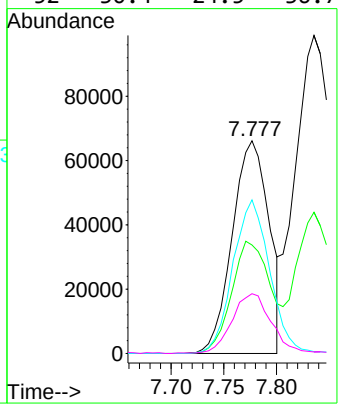




#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 160270

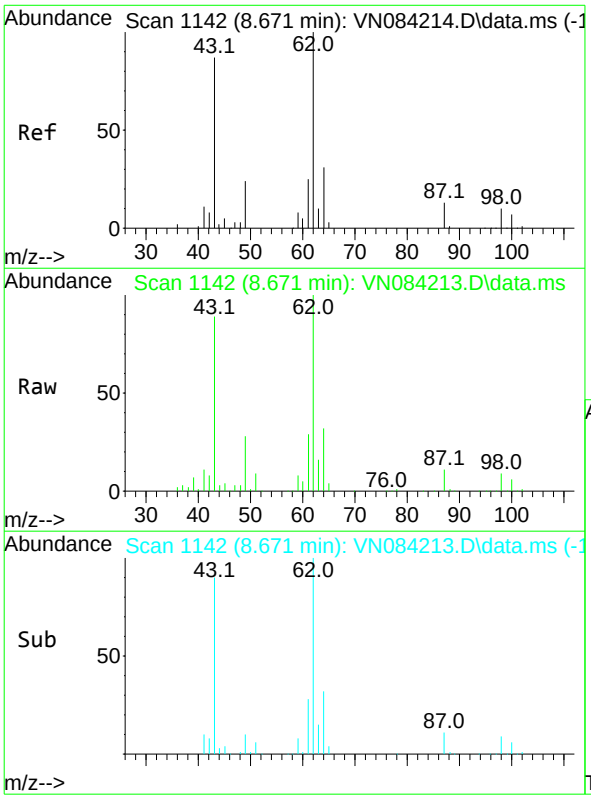
Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	72.4	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

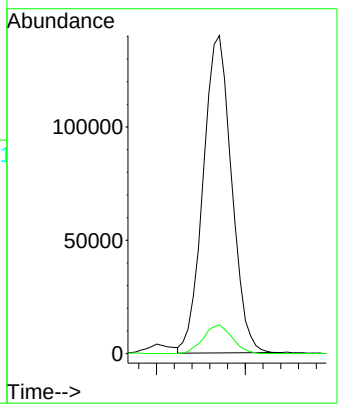
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

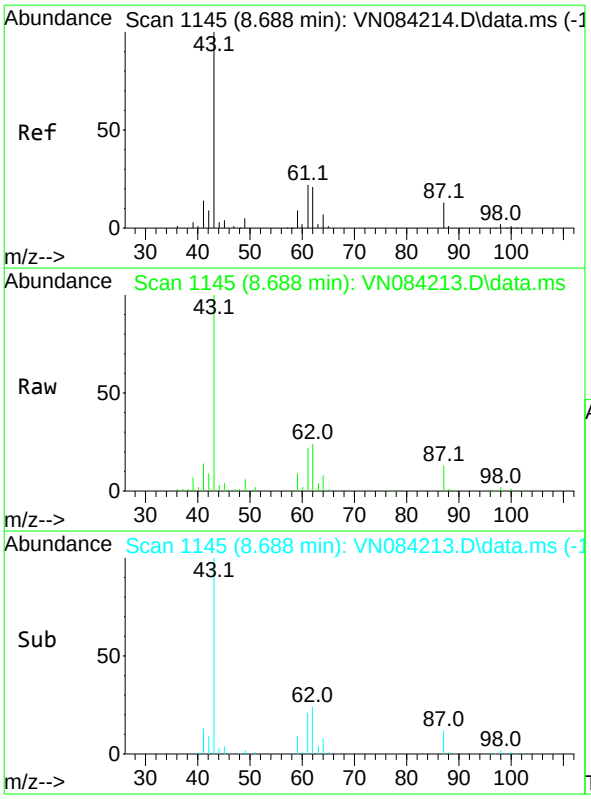


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

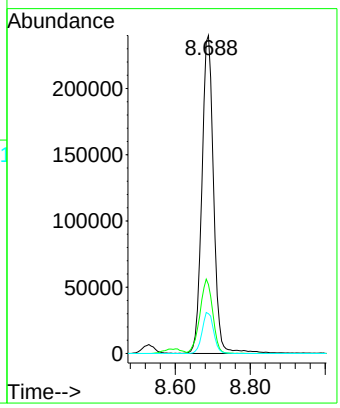




#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 521814

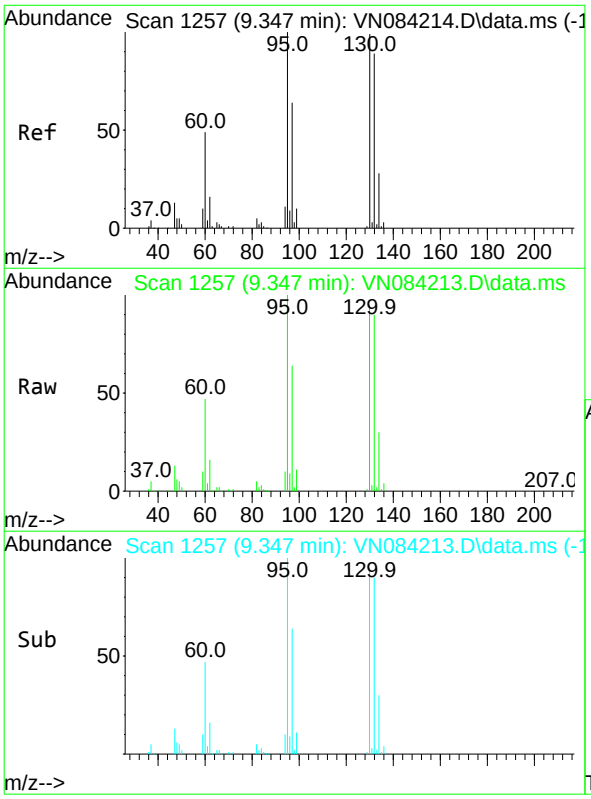
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.4	30.6
87	12.6	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

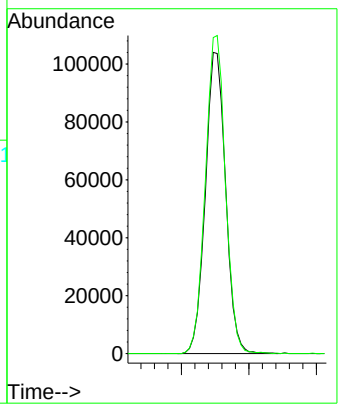
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

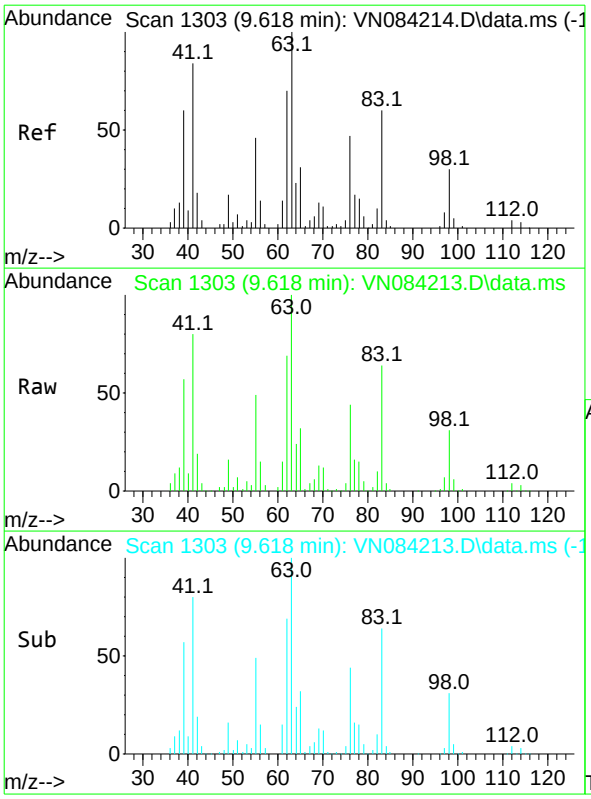


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0

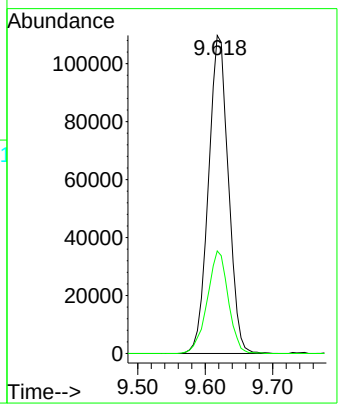




#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 224724

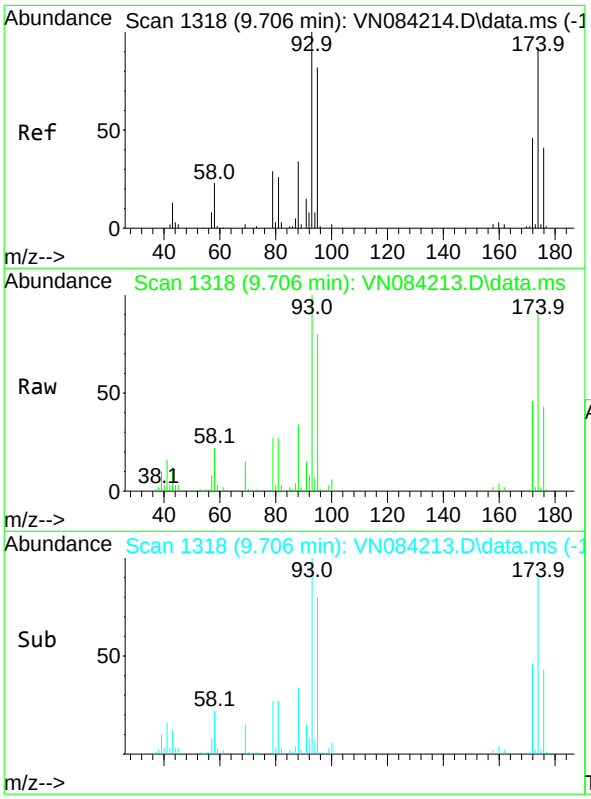
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

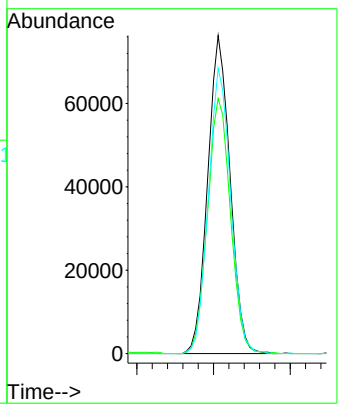
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

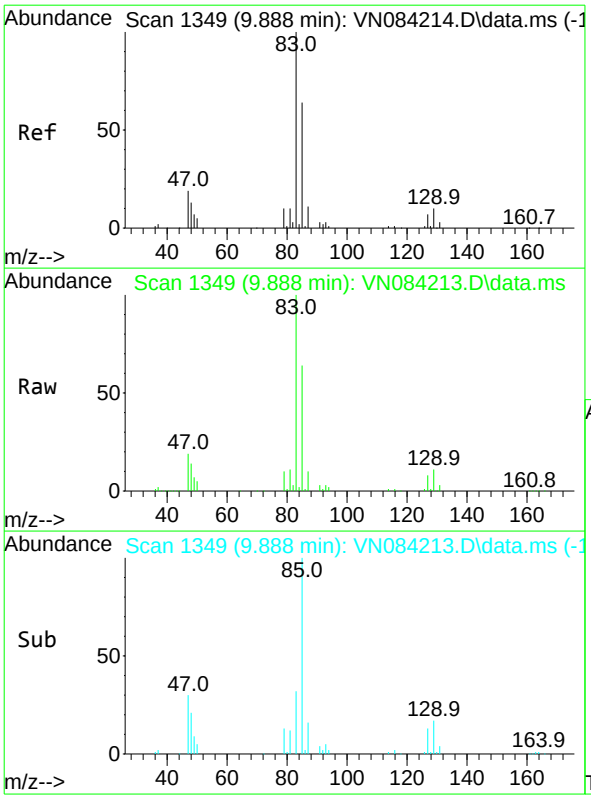


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

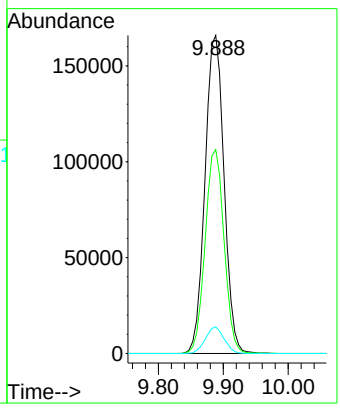




#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 338406

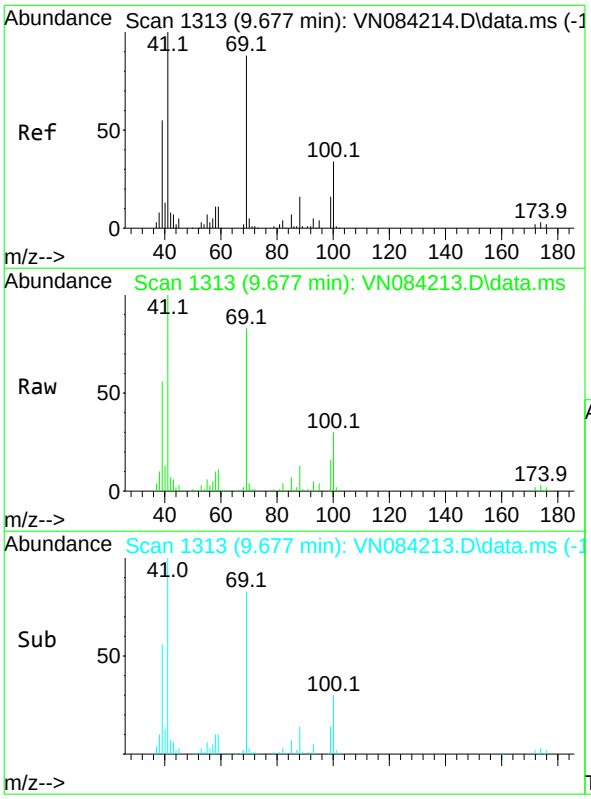
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

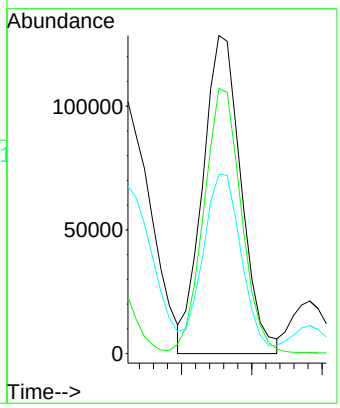
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

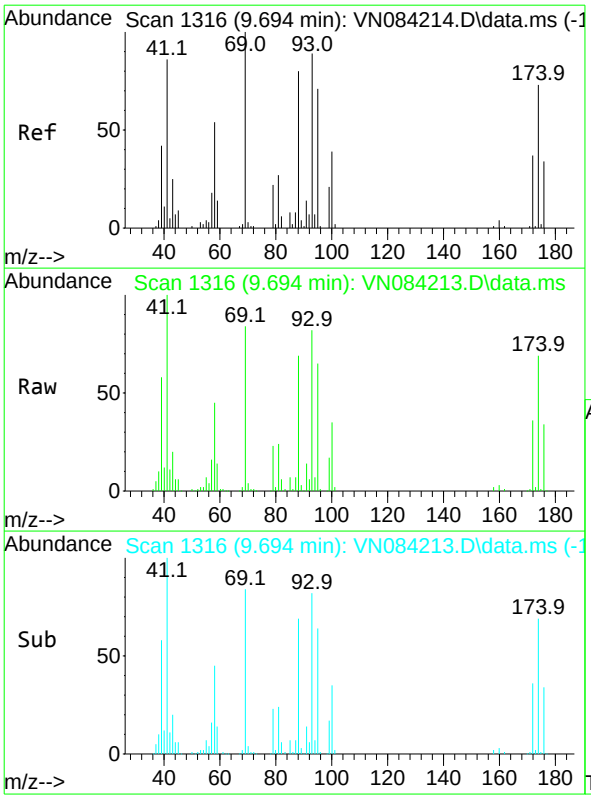


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

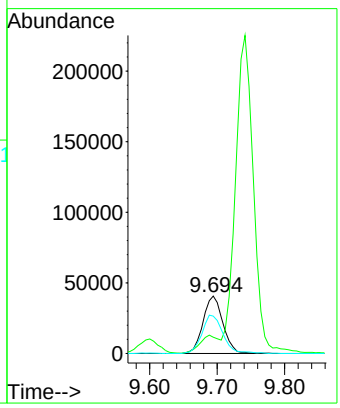




#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 88 Resp: 82854

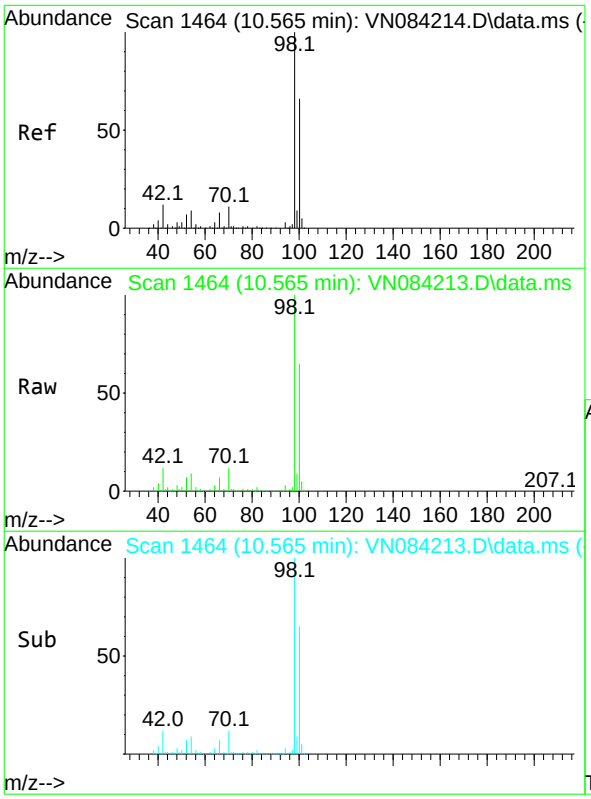
Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.3	37.9
58	70.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

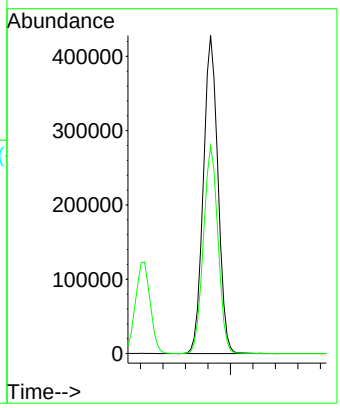
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

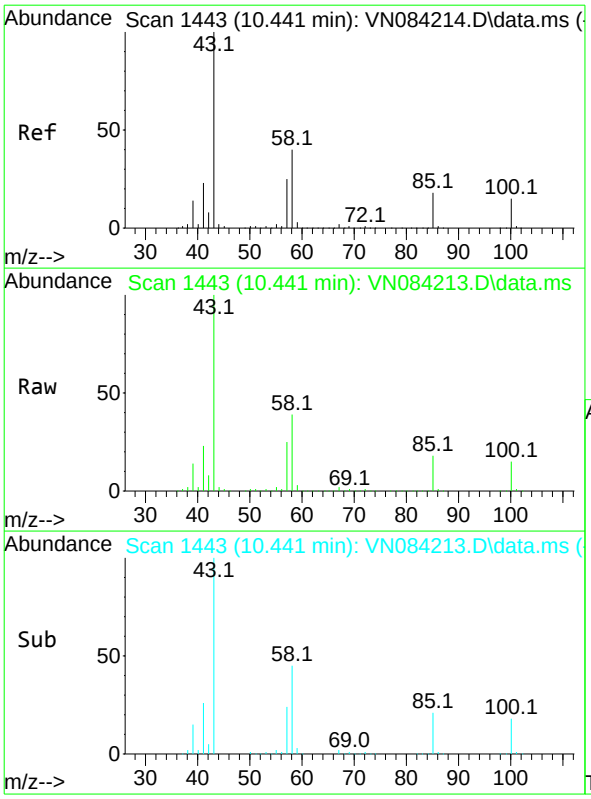


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

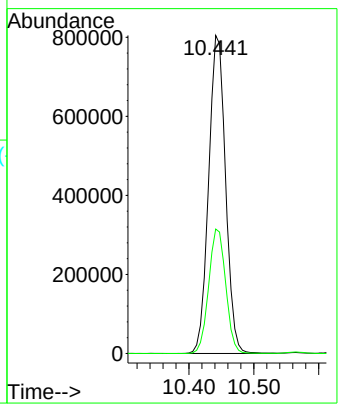




#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1456154

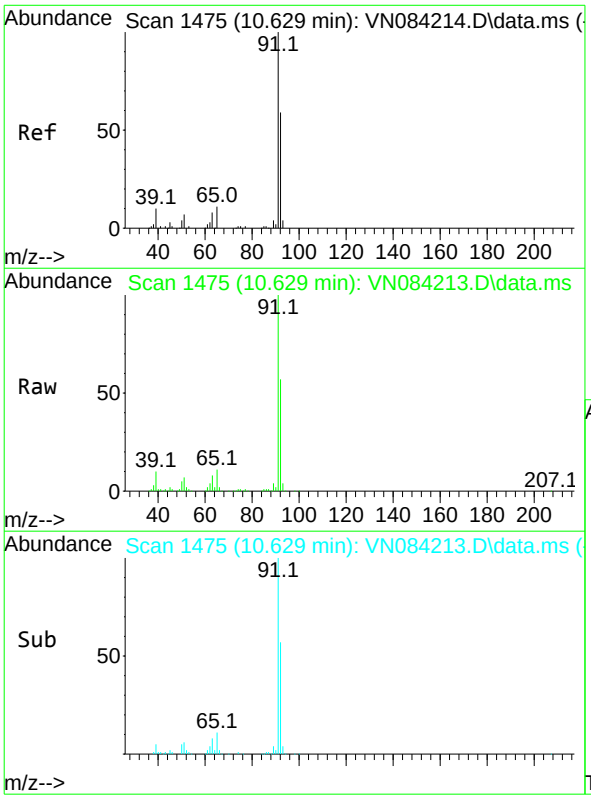
Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

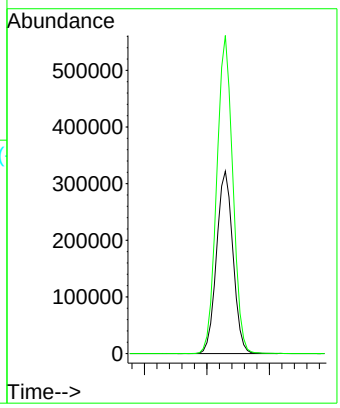
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

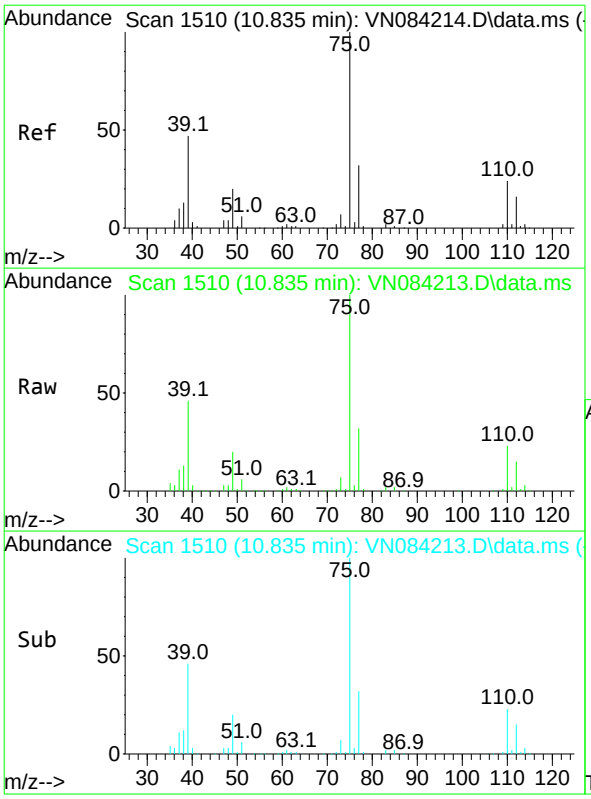


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

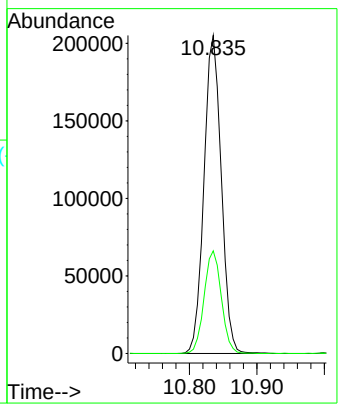




#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 365099

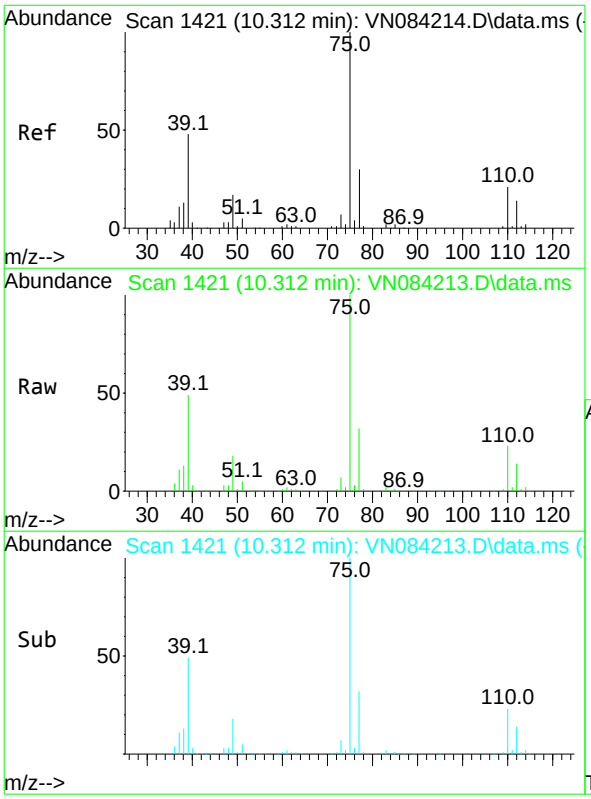
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

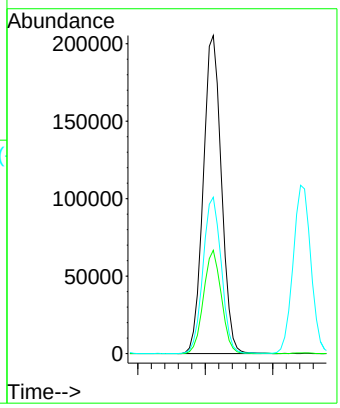
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

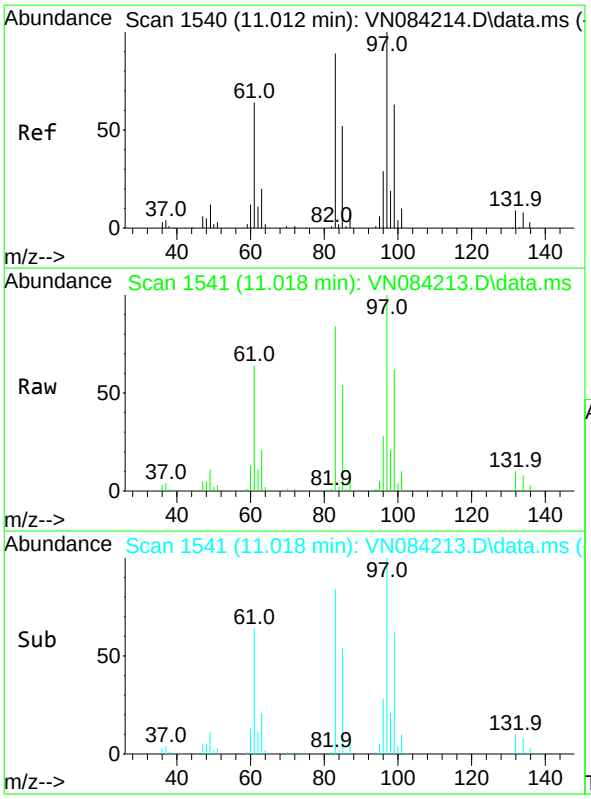


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

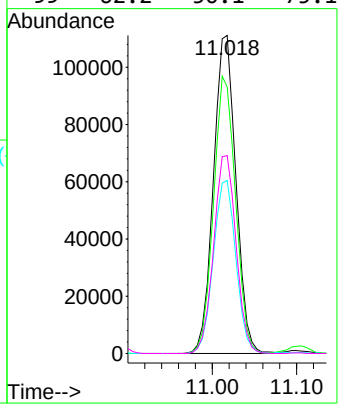




#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 205711

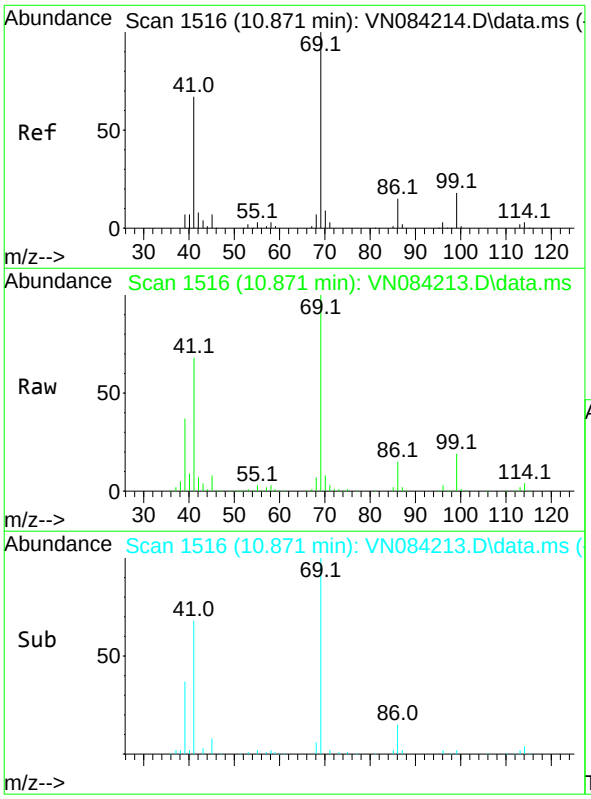
Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.0	106.4
85	54.4	41.7	62.5
99	62.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

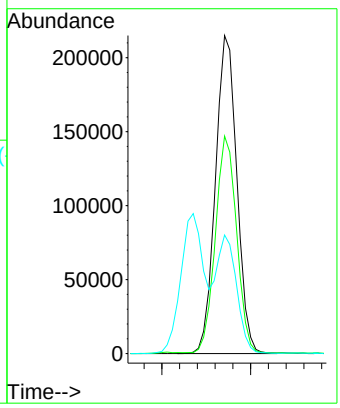
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

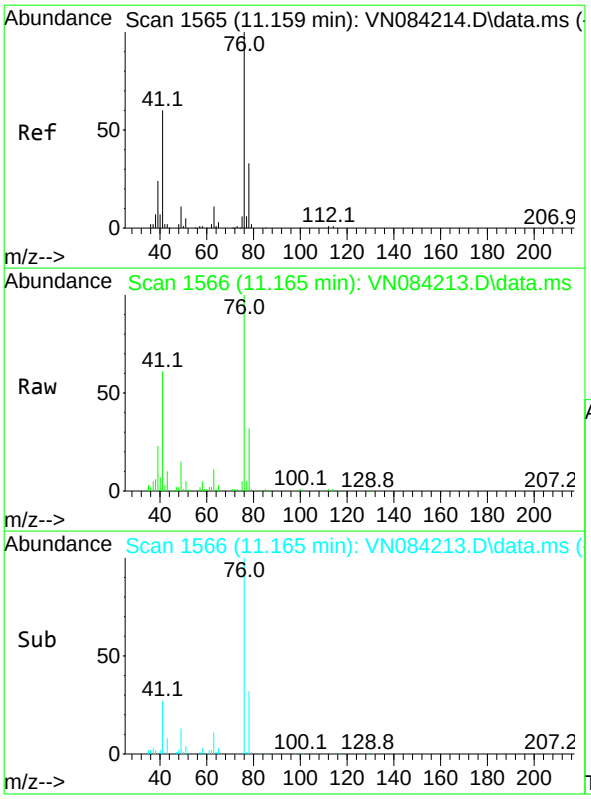


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

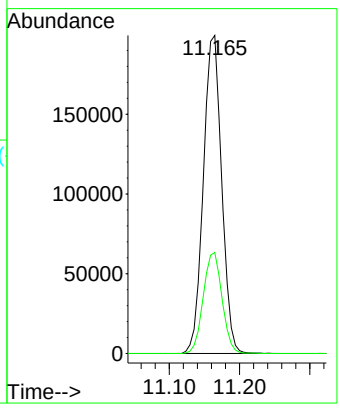




#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 360601

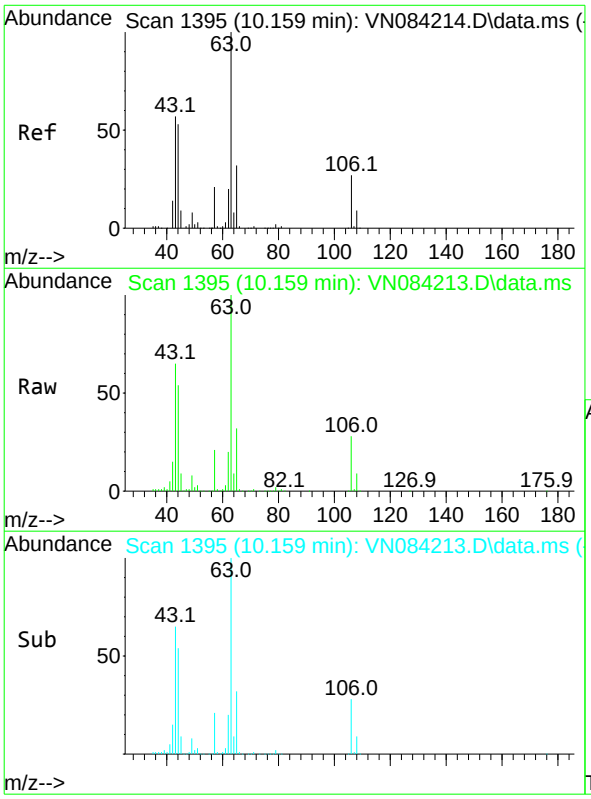
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

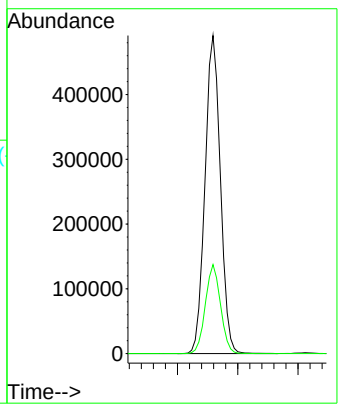
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

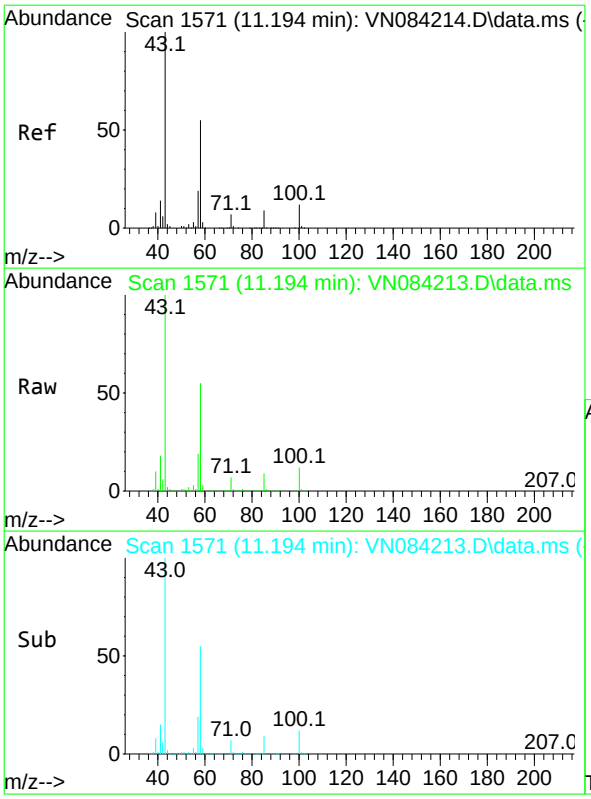


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

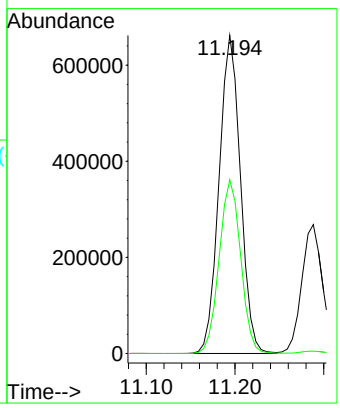




#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1105736

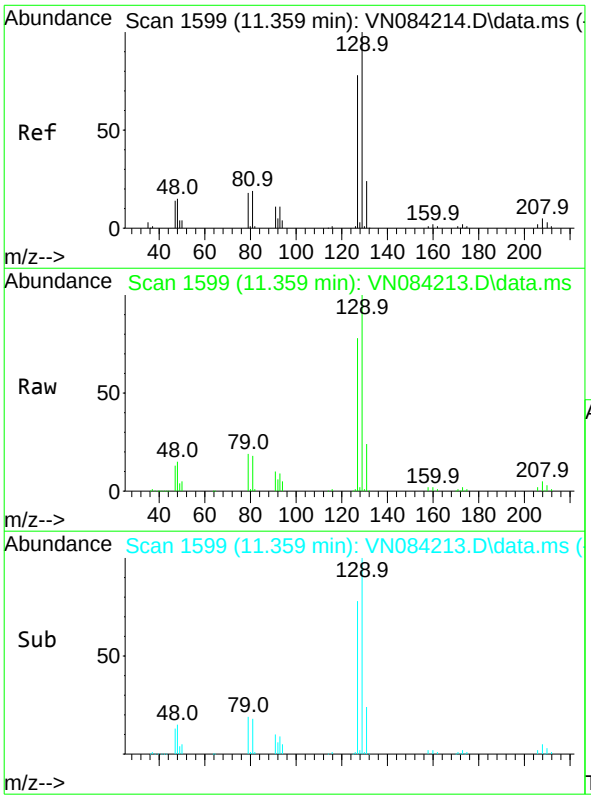
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

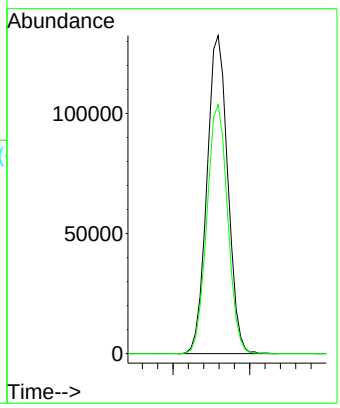
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

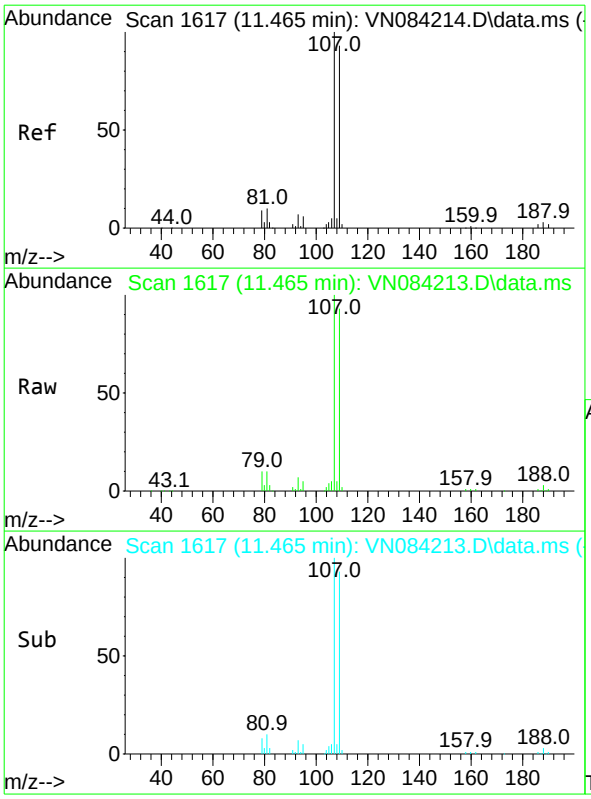


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9

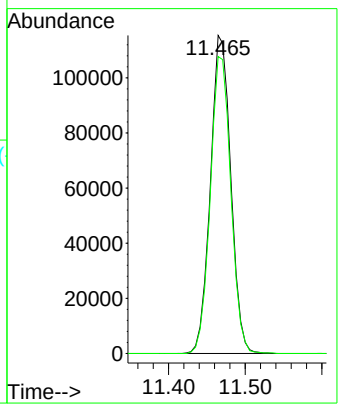




#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:107 Resp: 212705

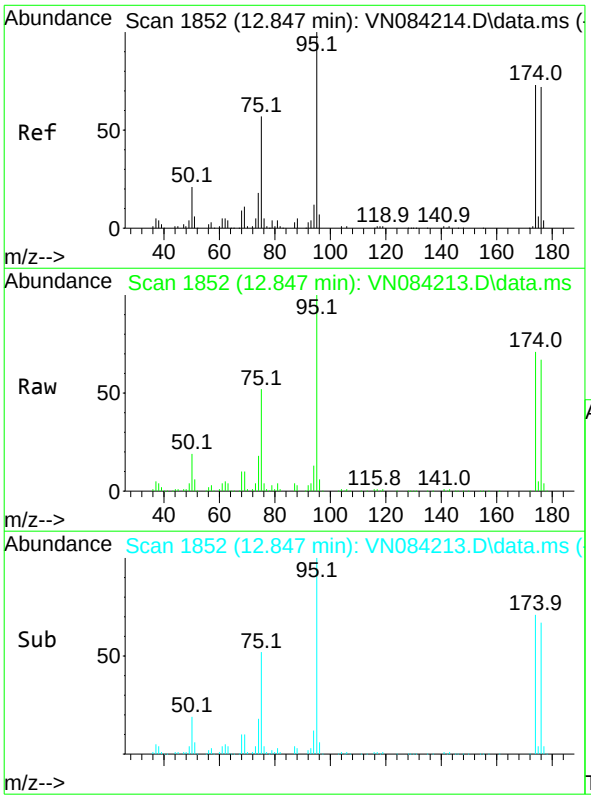
Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

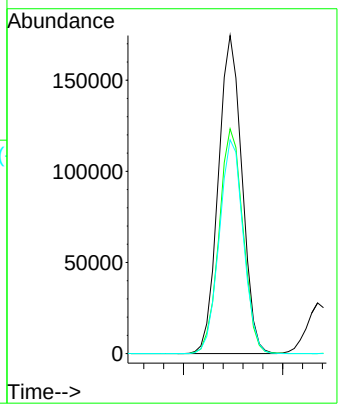
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

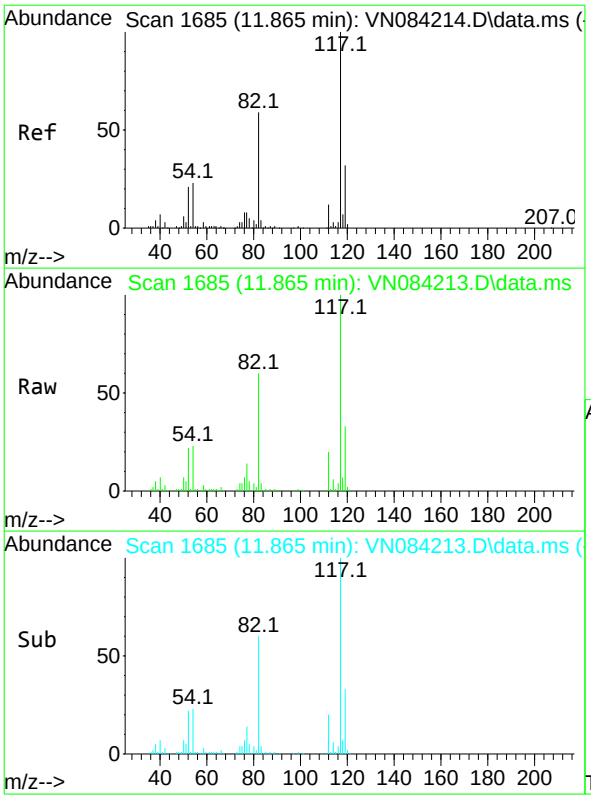


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

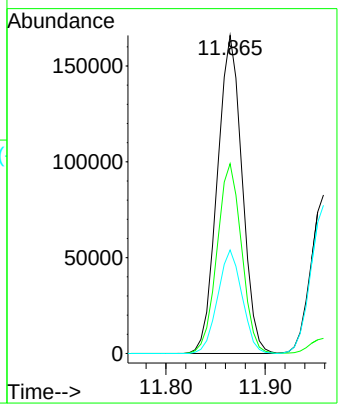




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 288467

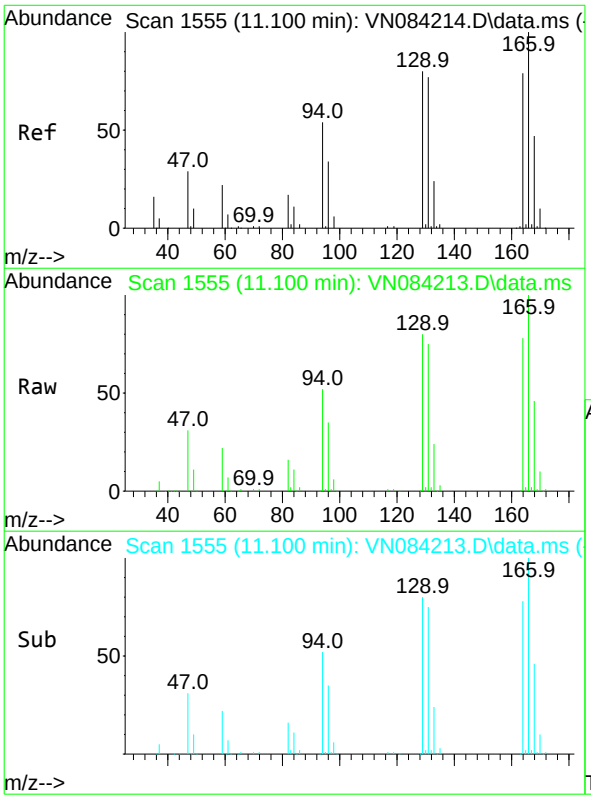
Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	32.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

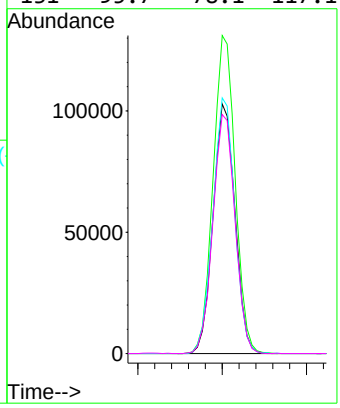
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

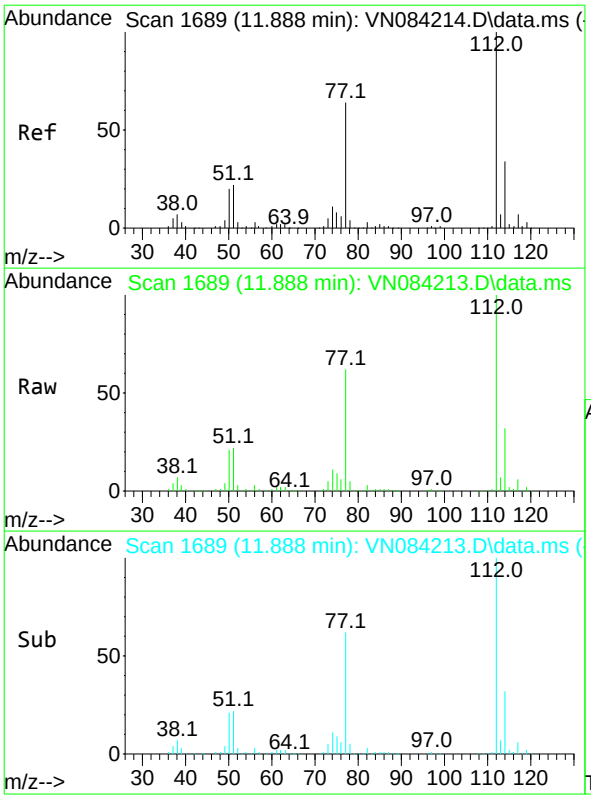


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

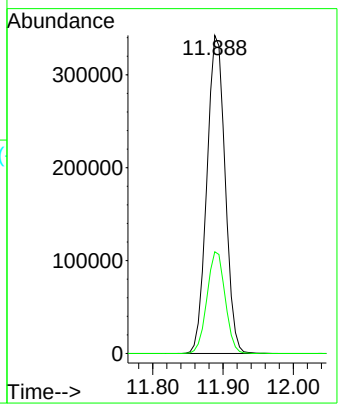




#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:112 Resp: 616423

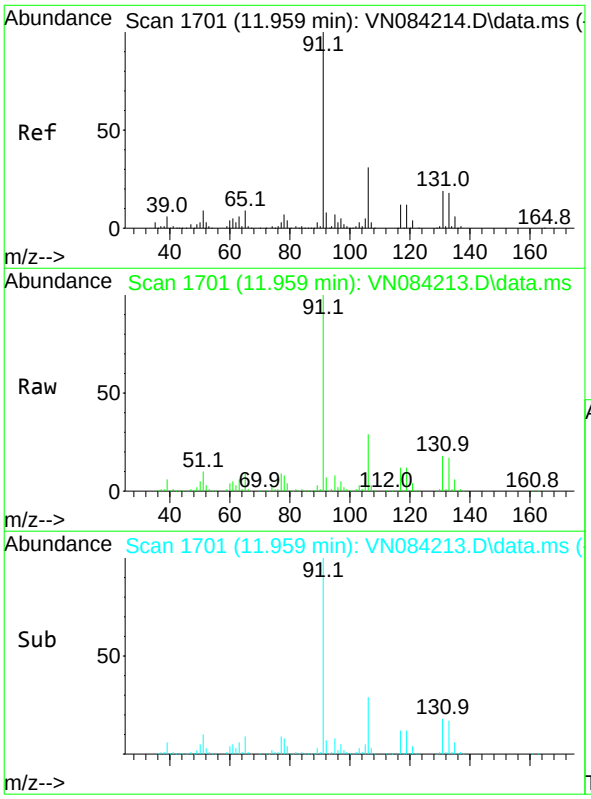
Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

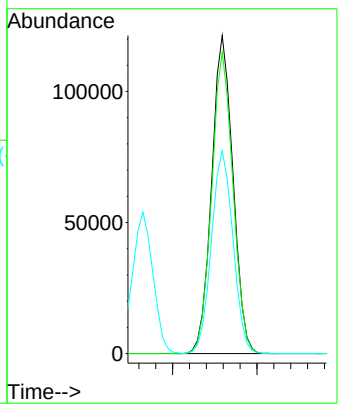
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

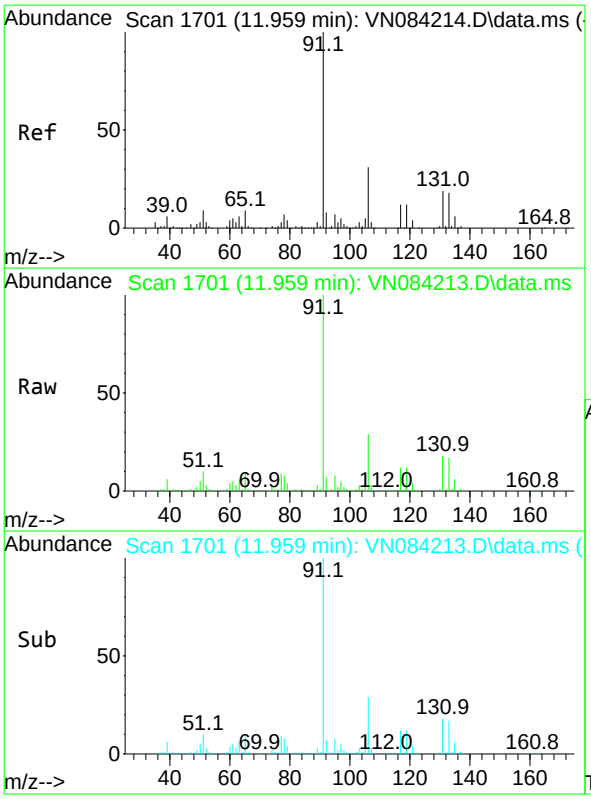


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

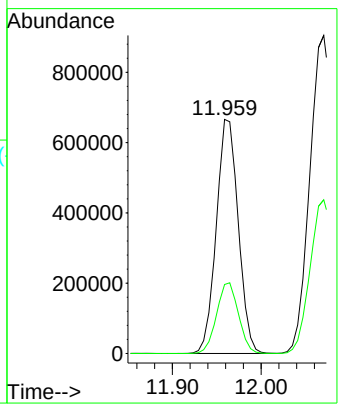




#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1146786

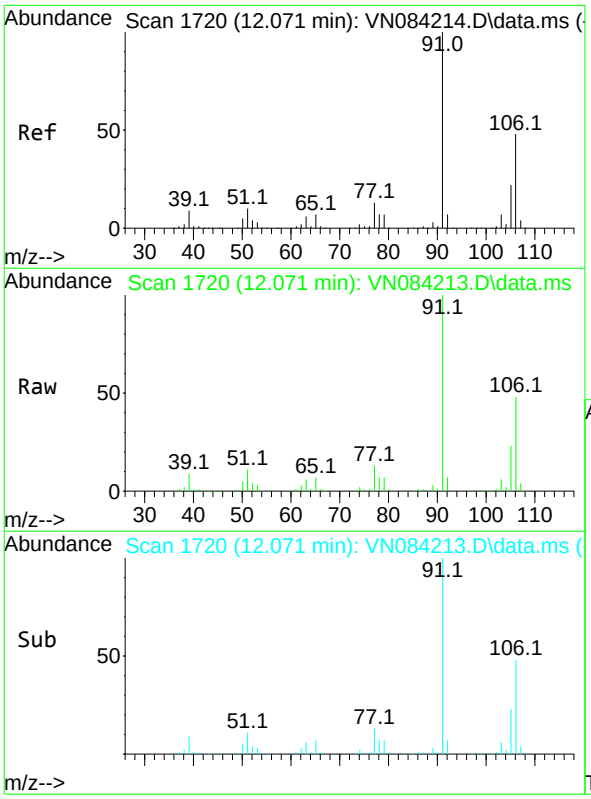
Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

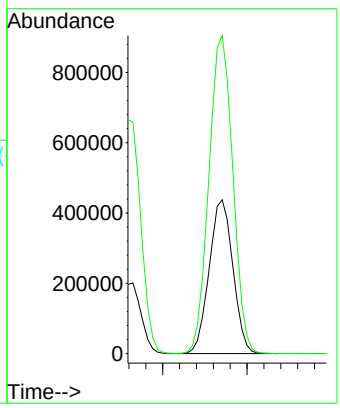
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

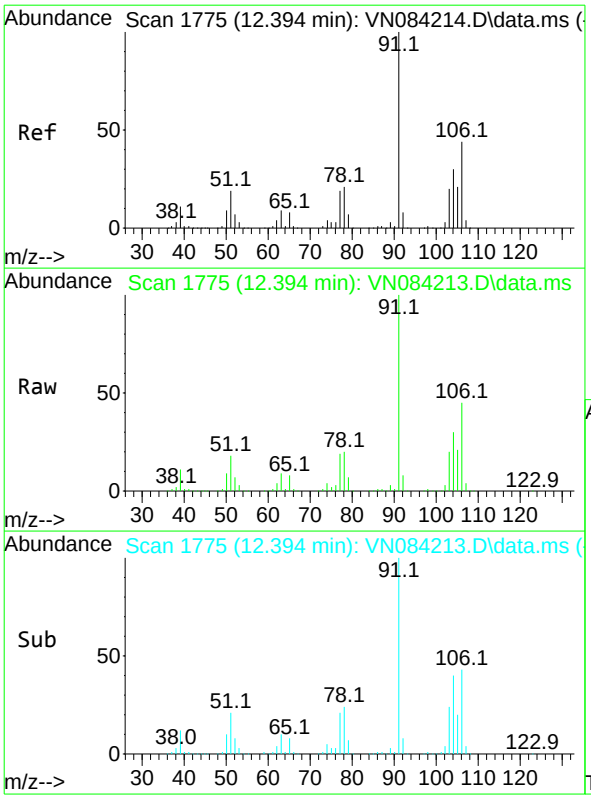


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7

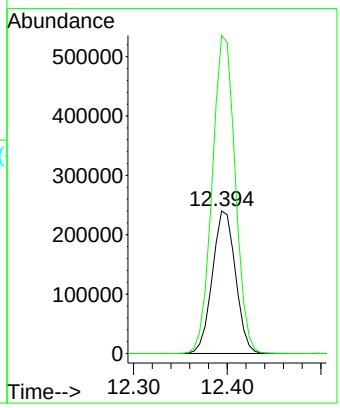




#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 412098

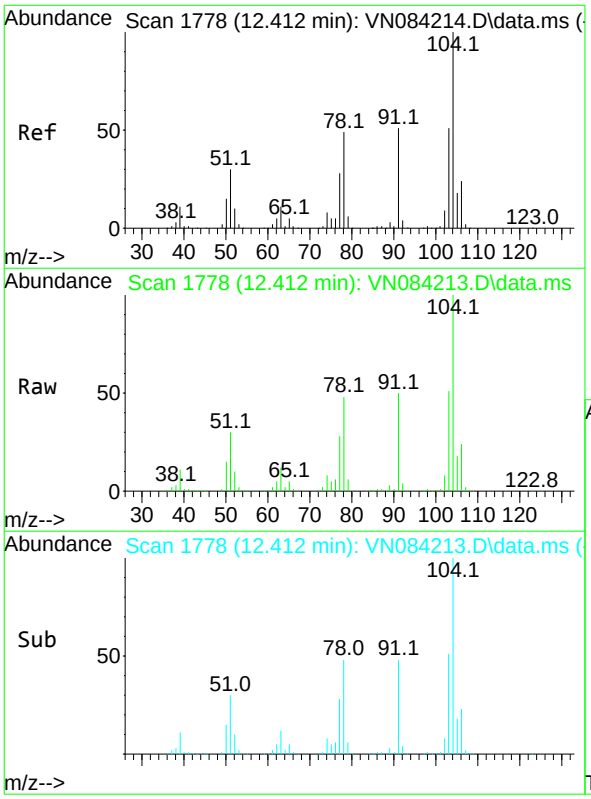
Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

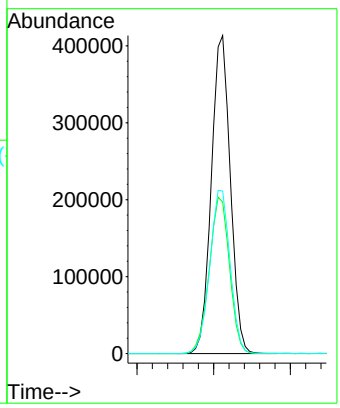
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

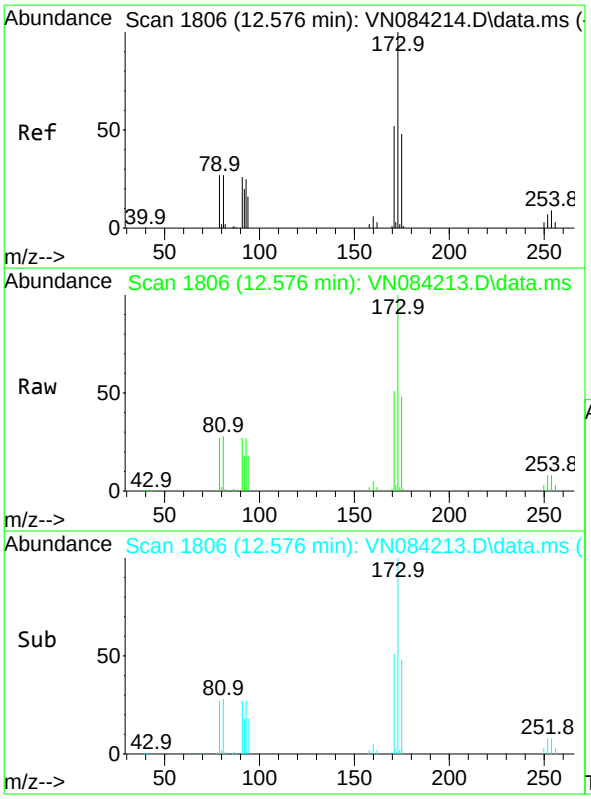


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

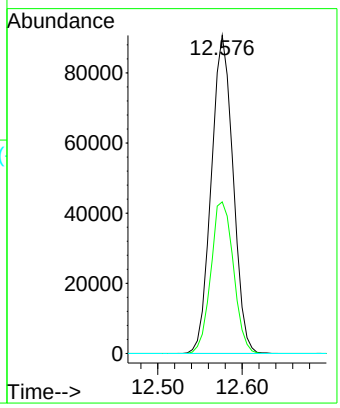




#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:173 Resp: 162862

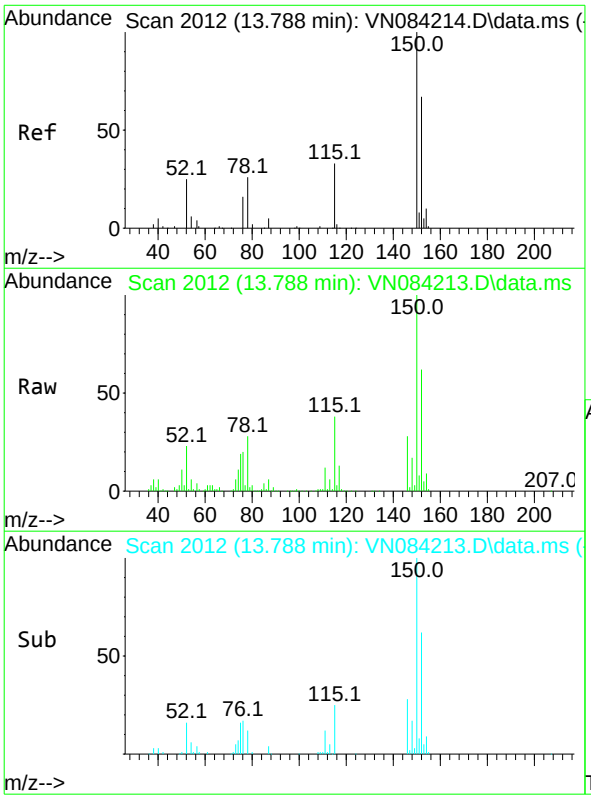
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

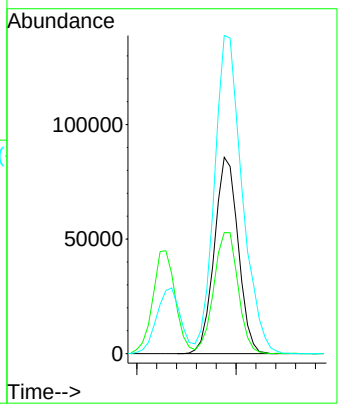
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

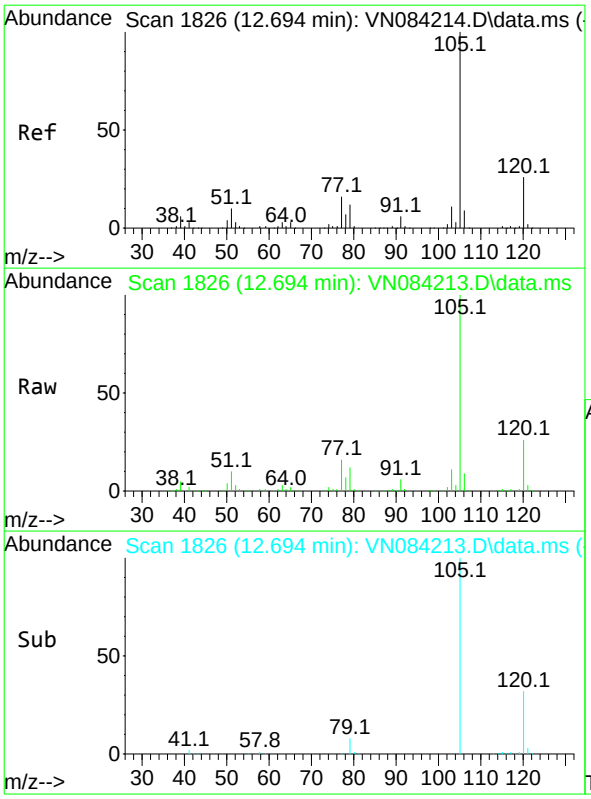


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

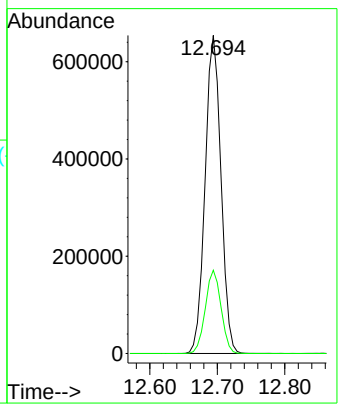




#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1067798

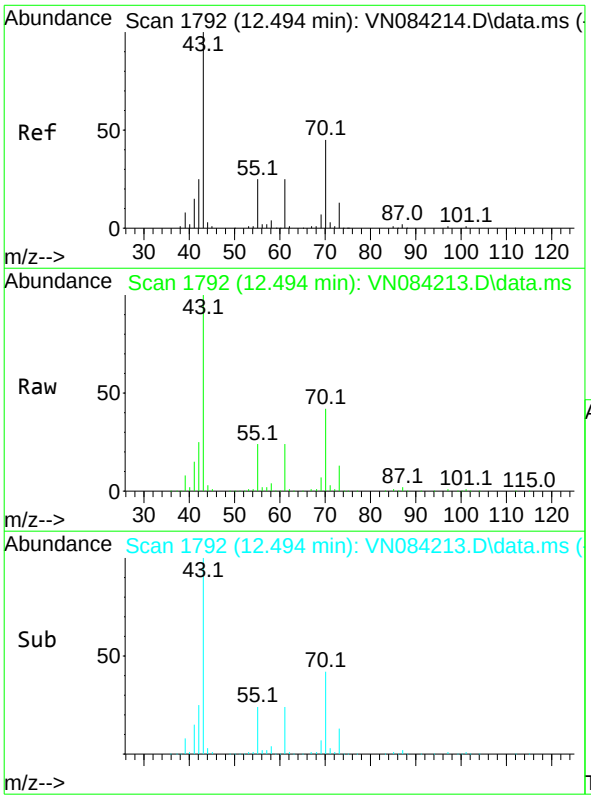
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

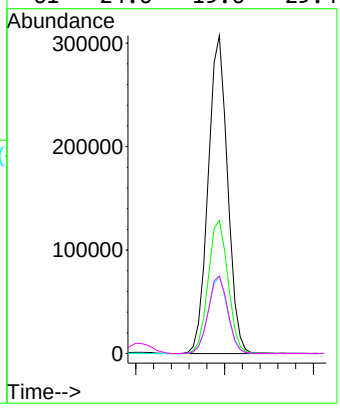
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

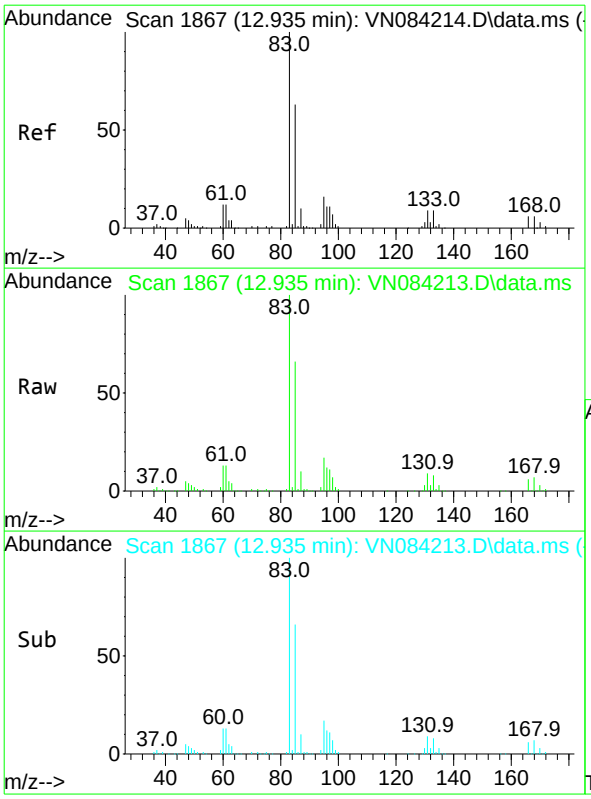


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

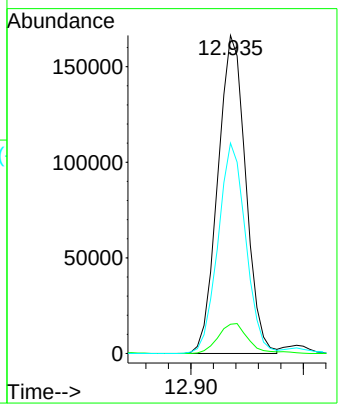




#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 286161

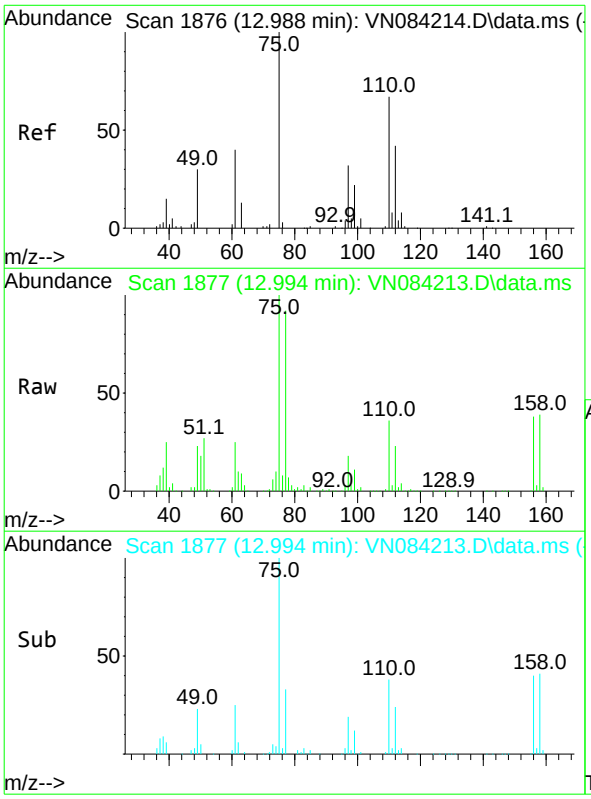
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

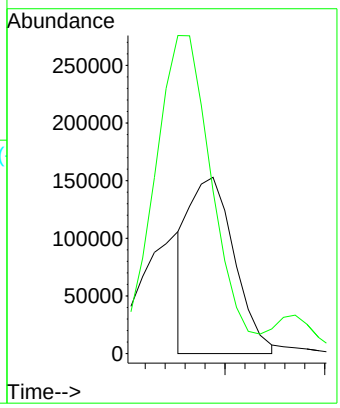
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

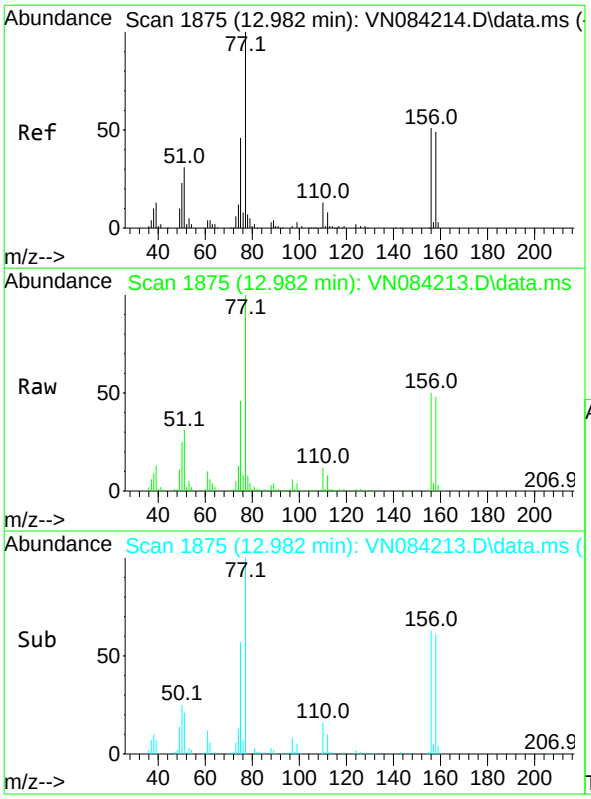


#76
1,2,3-Trichloropropane
Concen: 85.433 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 243293

Ion	Ratio	Lower	Upper
75	100		
77	229.8	96.9	290.7

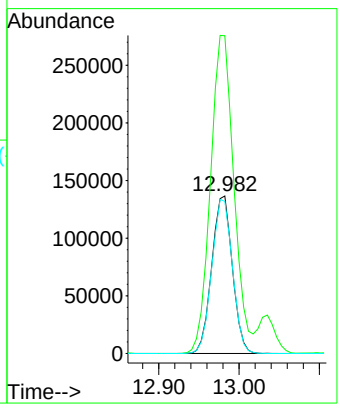




#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:156 Resp: 243075

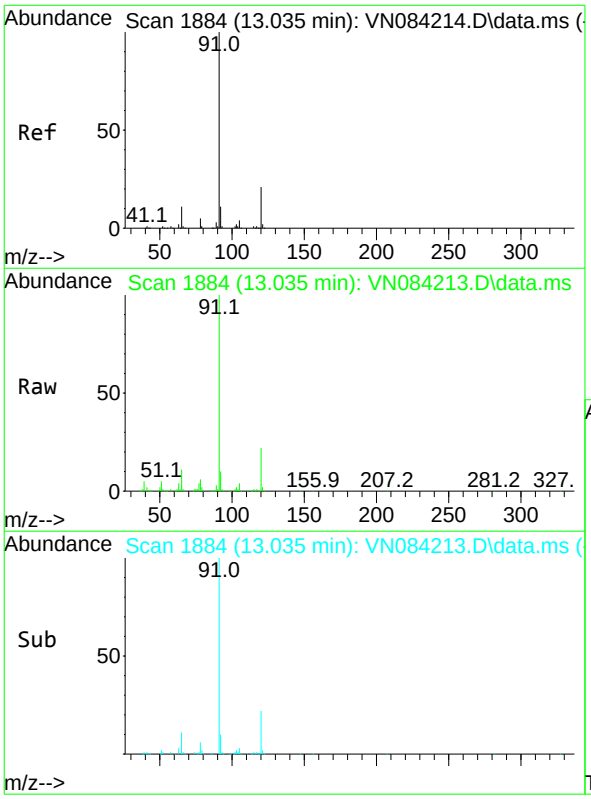
Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.1	345.3
158	98.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

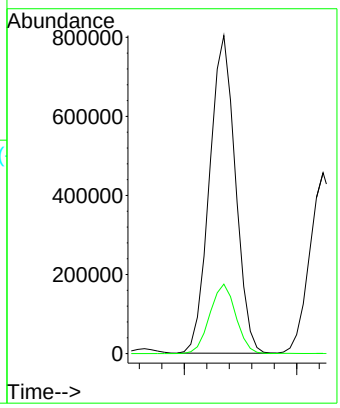
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

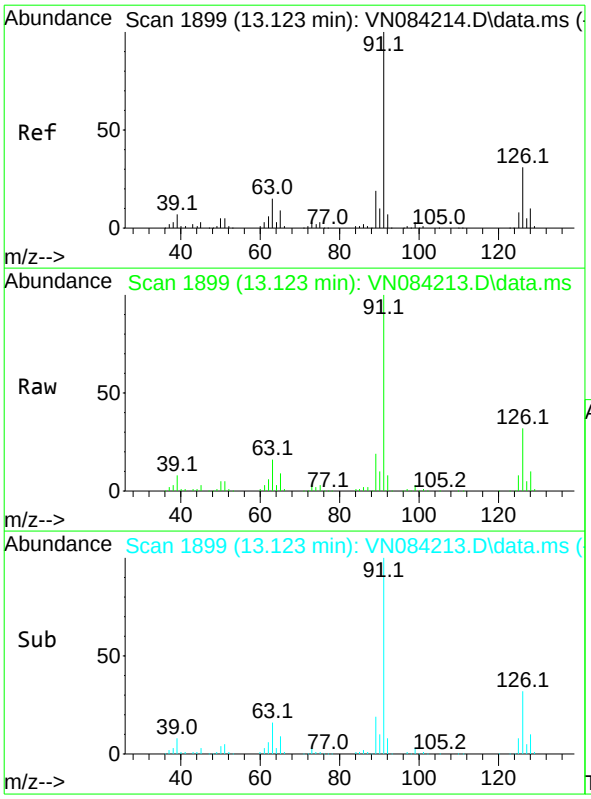


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

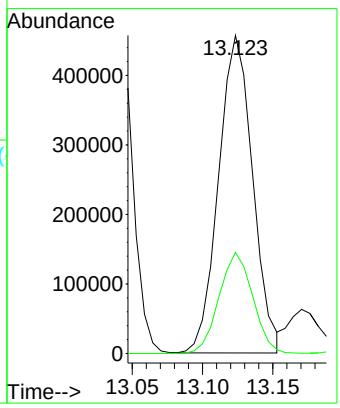




#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 770341

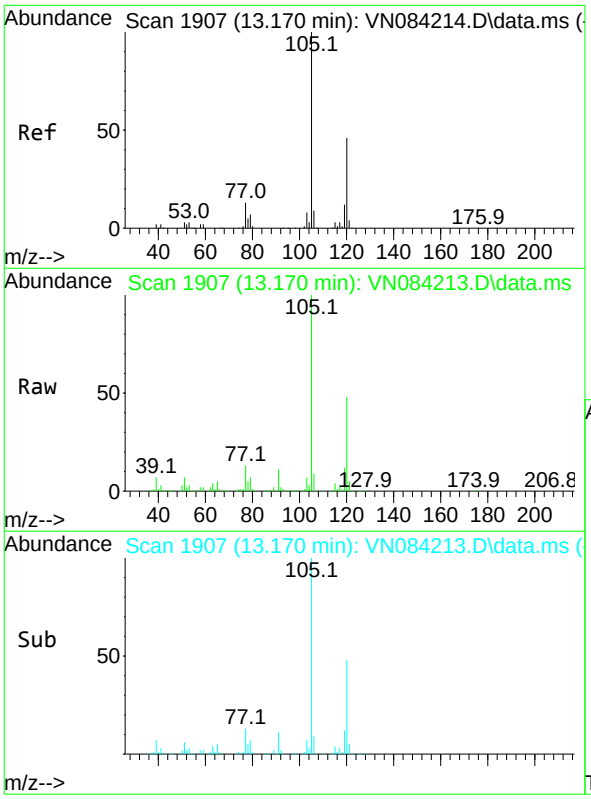
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

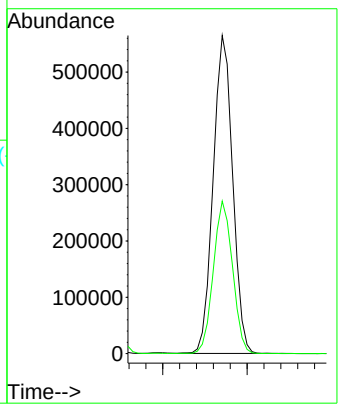
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

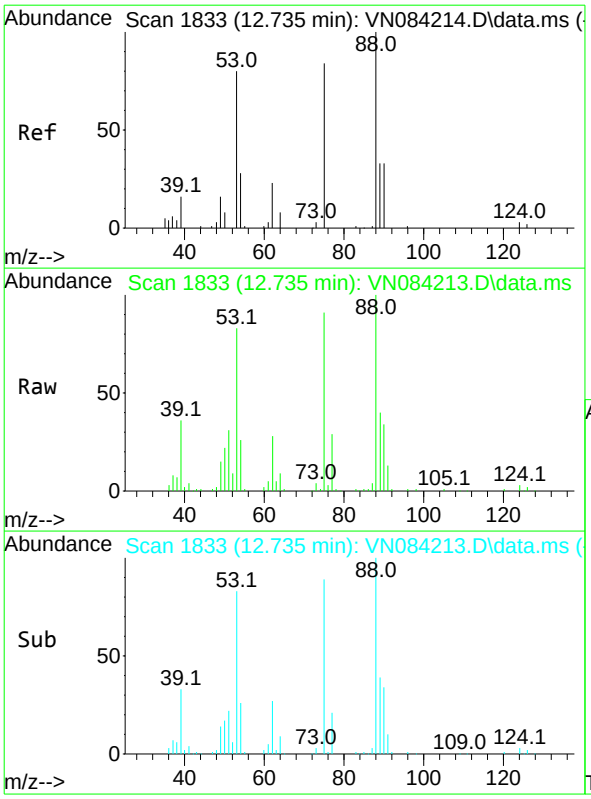


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1

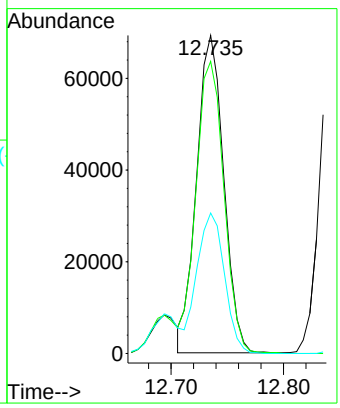




#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 116289

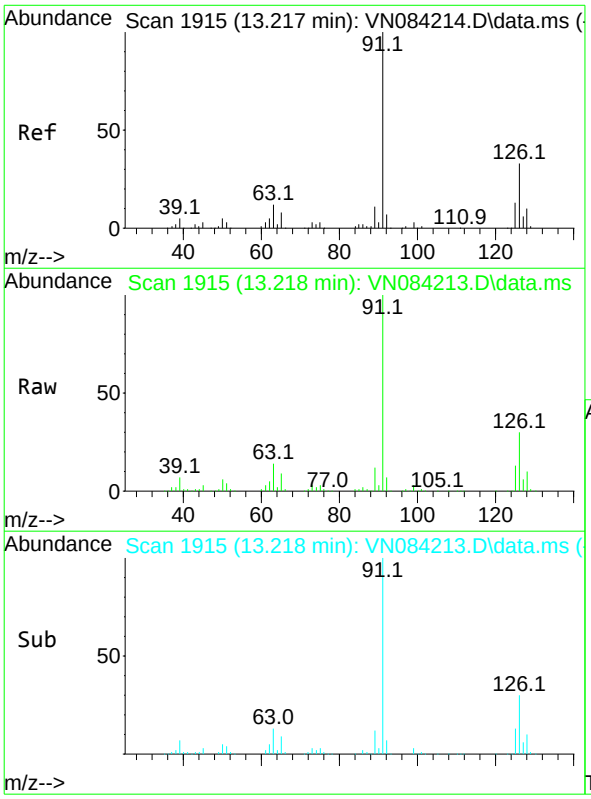
Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

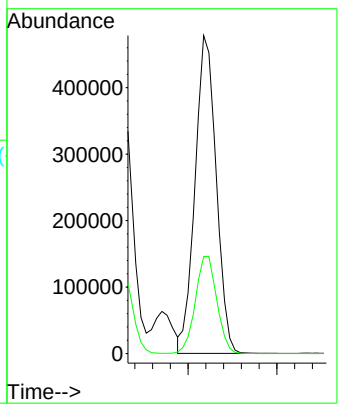
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

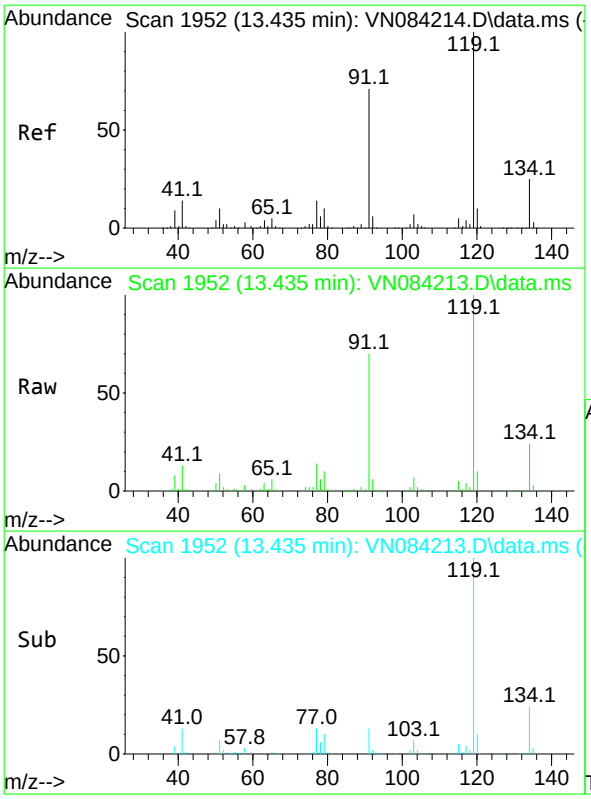


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

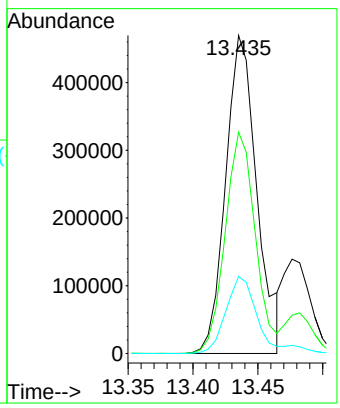




#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 785331

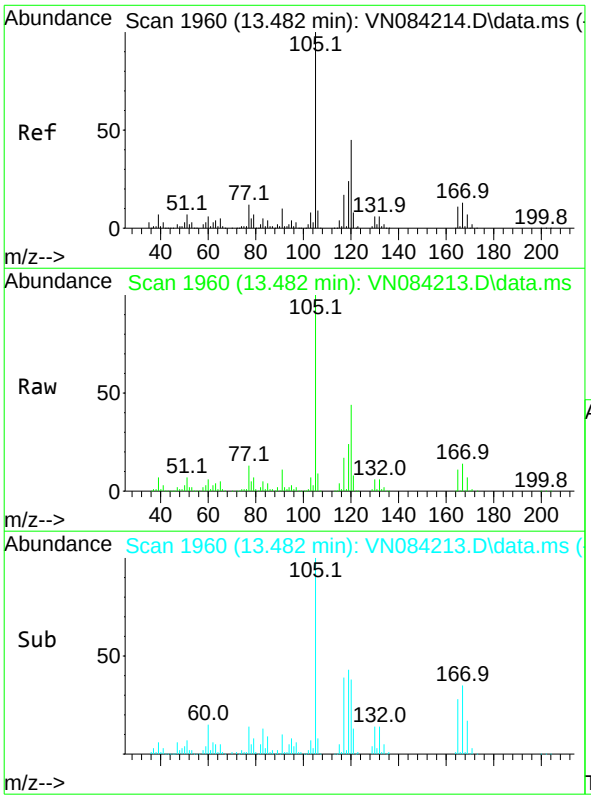
Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	25.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

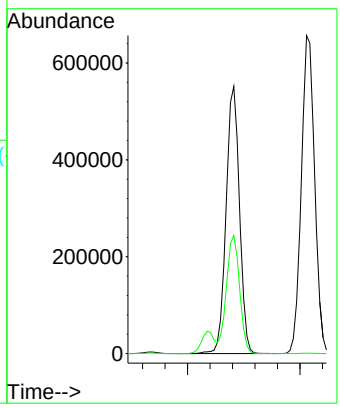
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

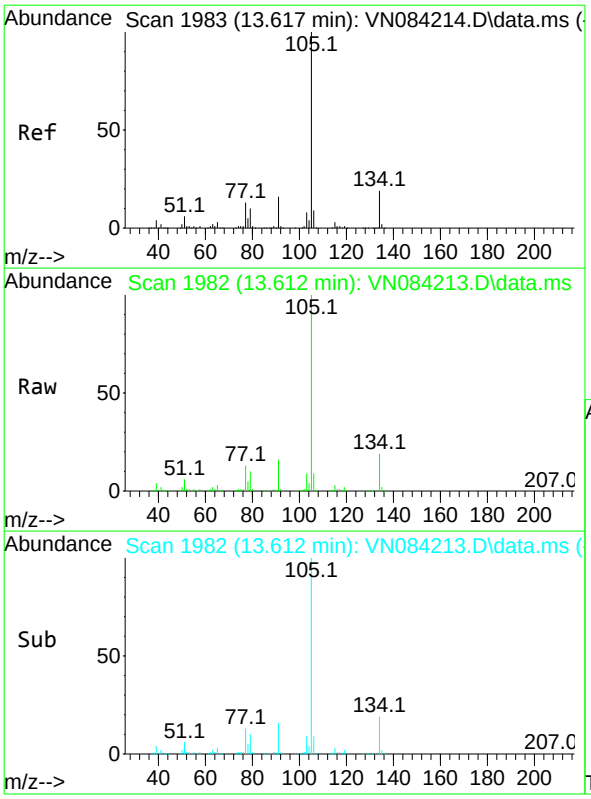


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

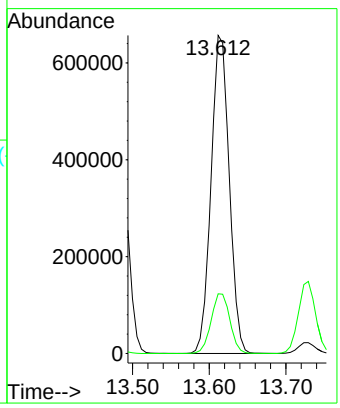




#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1082055

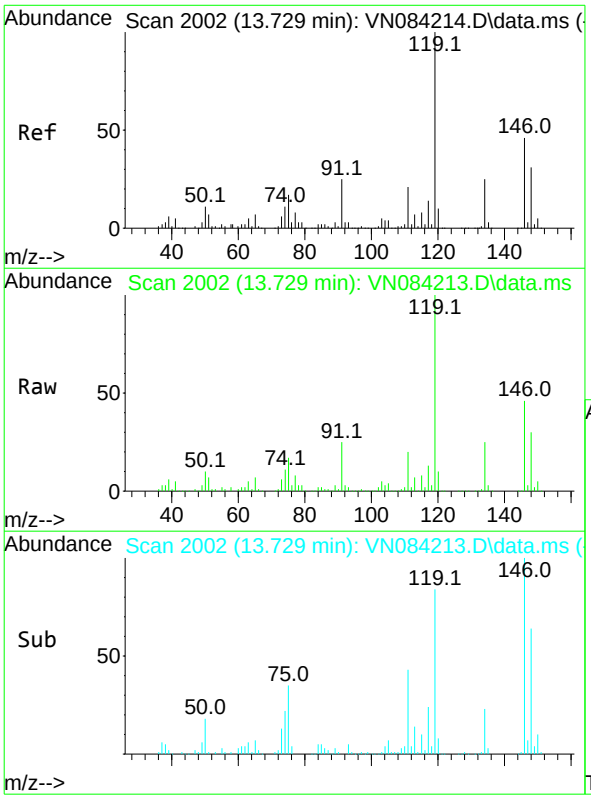
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

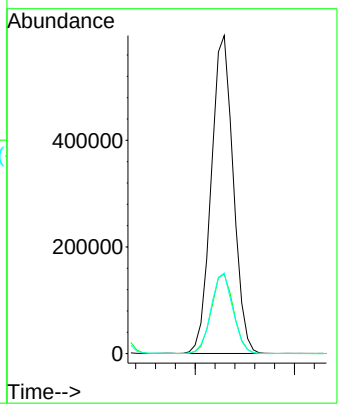
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

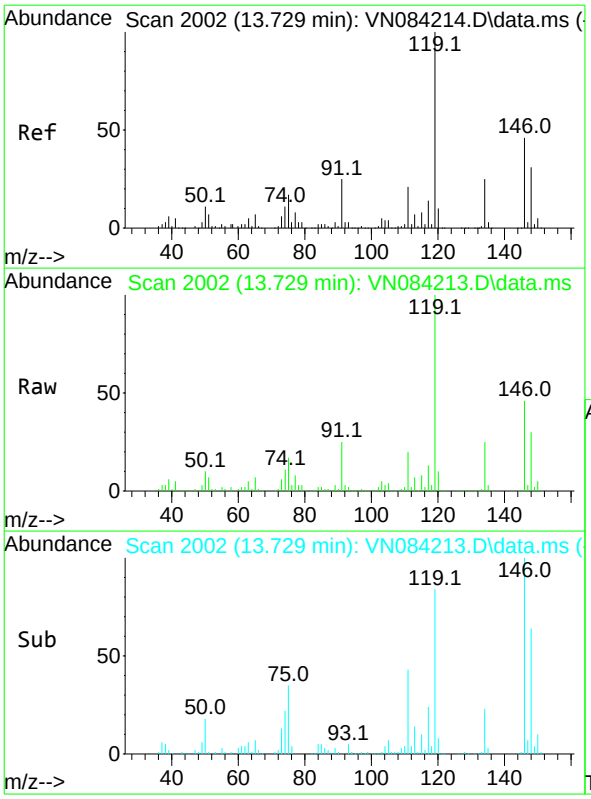


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

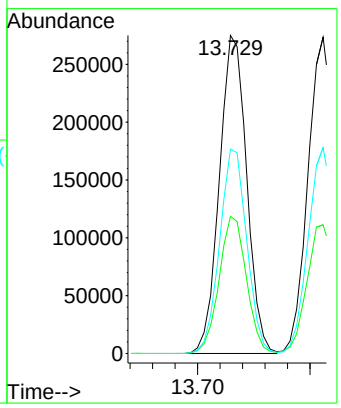




#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 463998

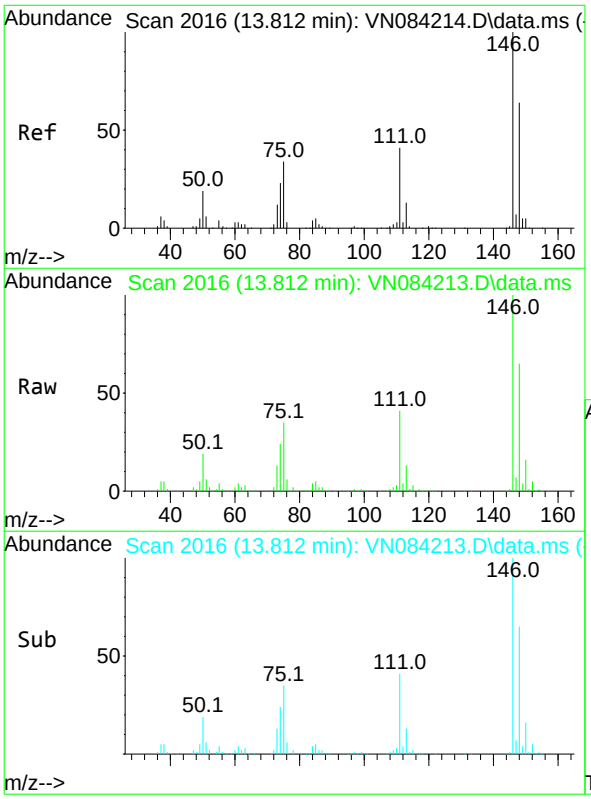
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

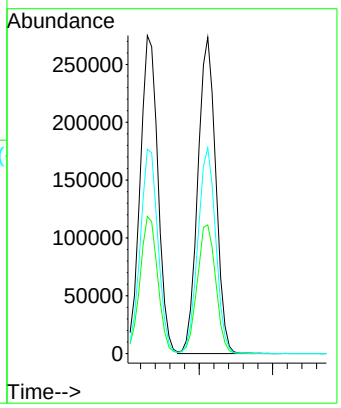
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

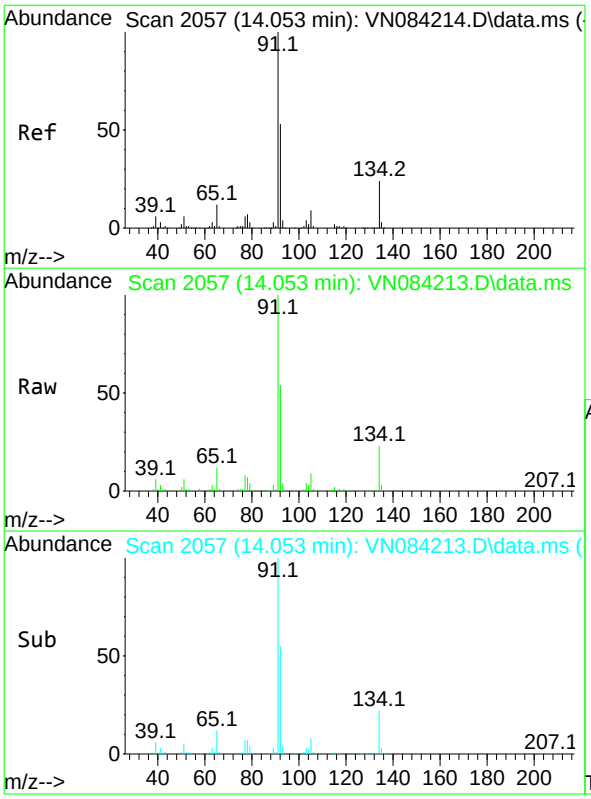


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

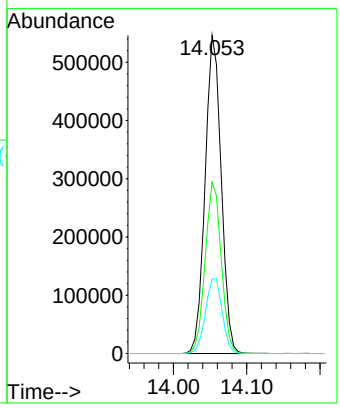




#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 832034

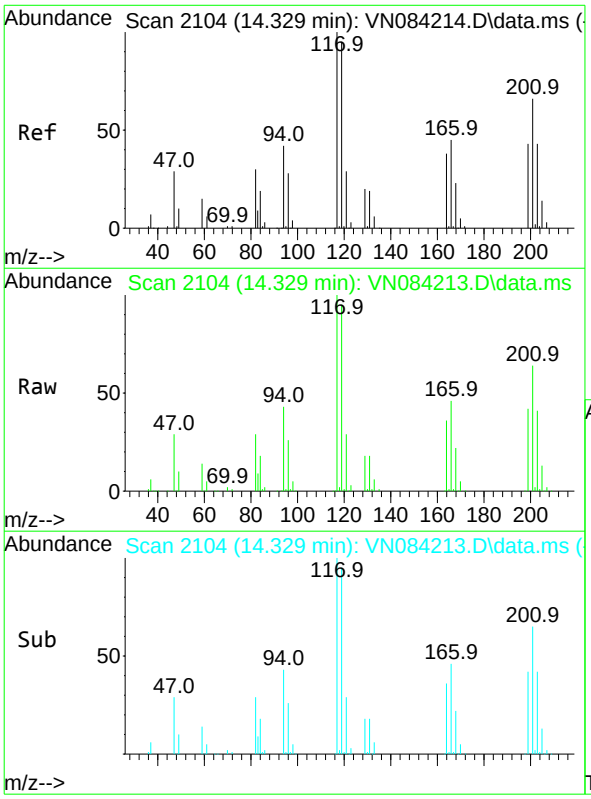
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

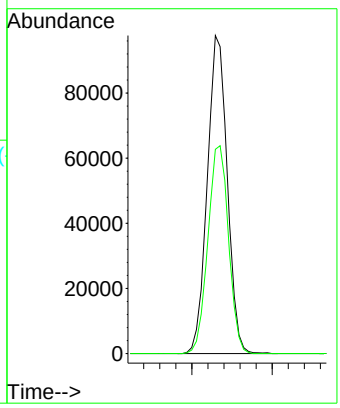
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

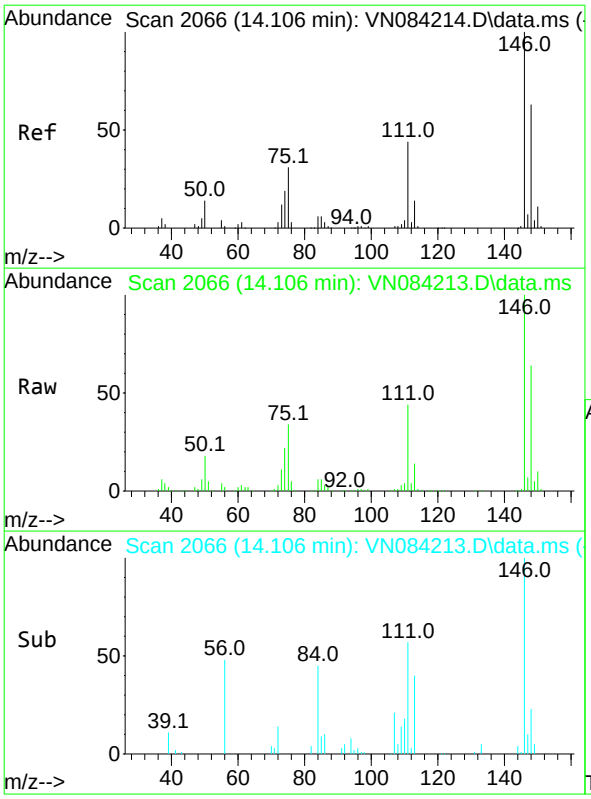


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

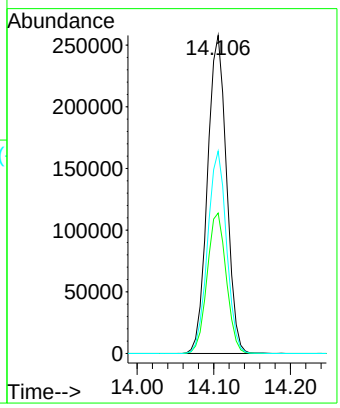




#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 444319

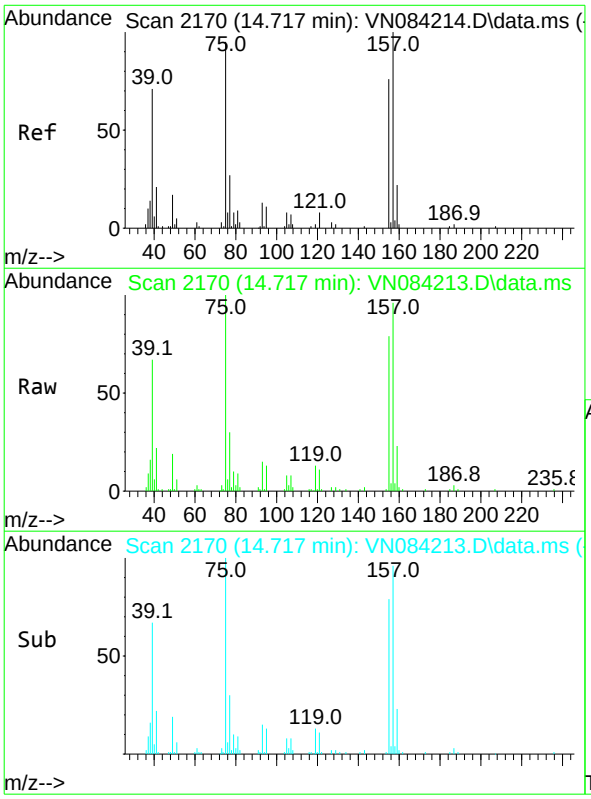
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

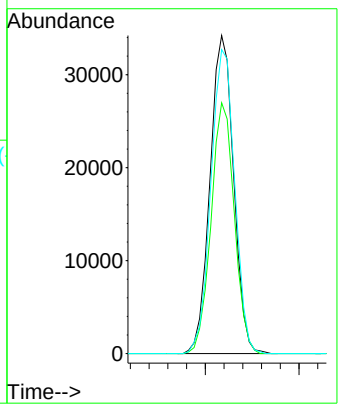
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

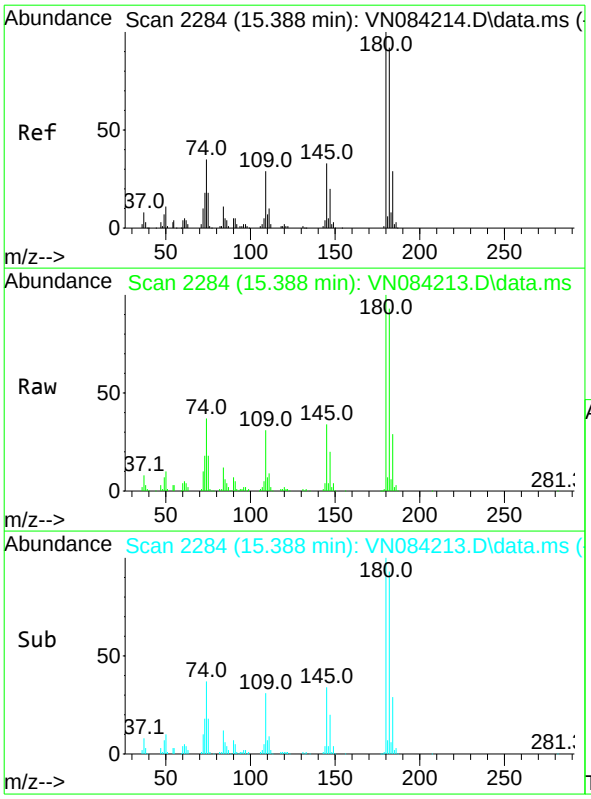


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

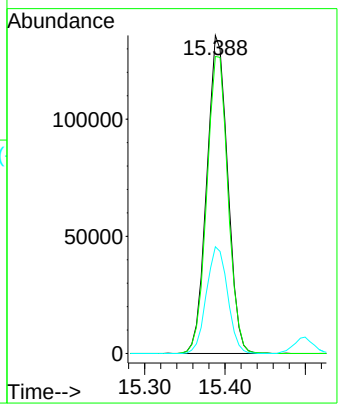




#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 245477

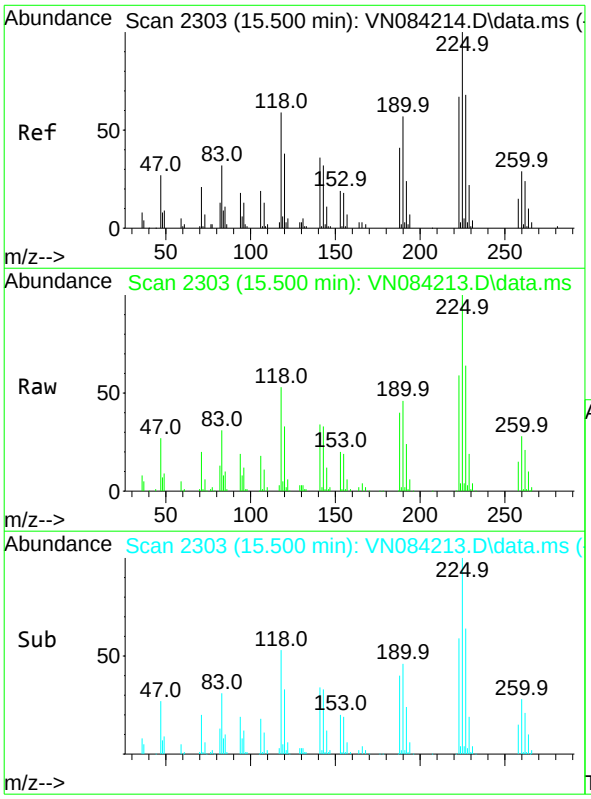
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

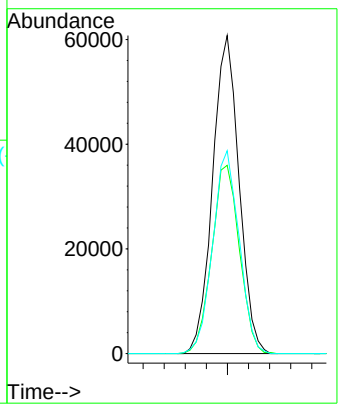
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

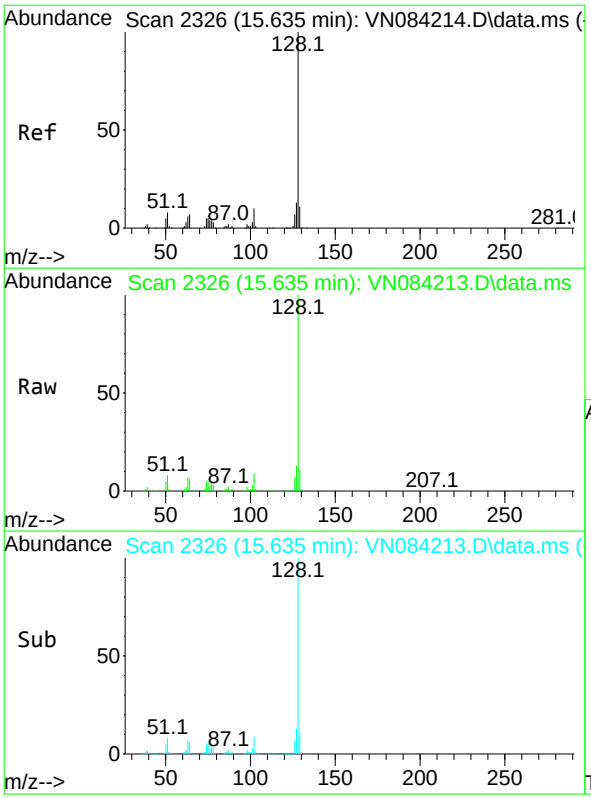


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

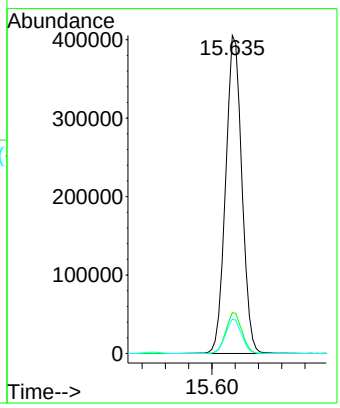




#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:128 Resp: 784876

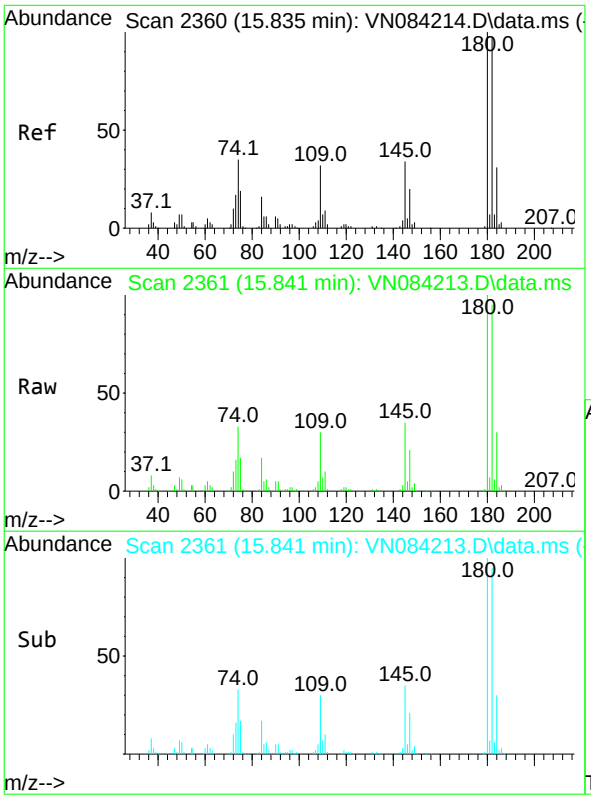
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

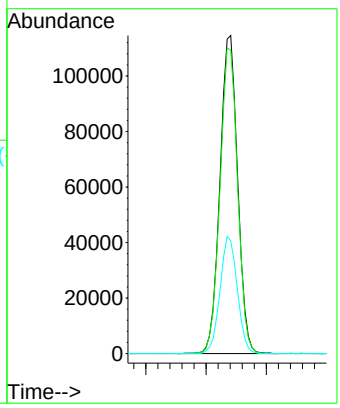
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

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)
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

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)

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

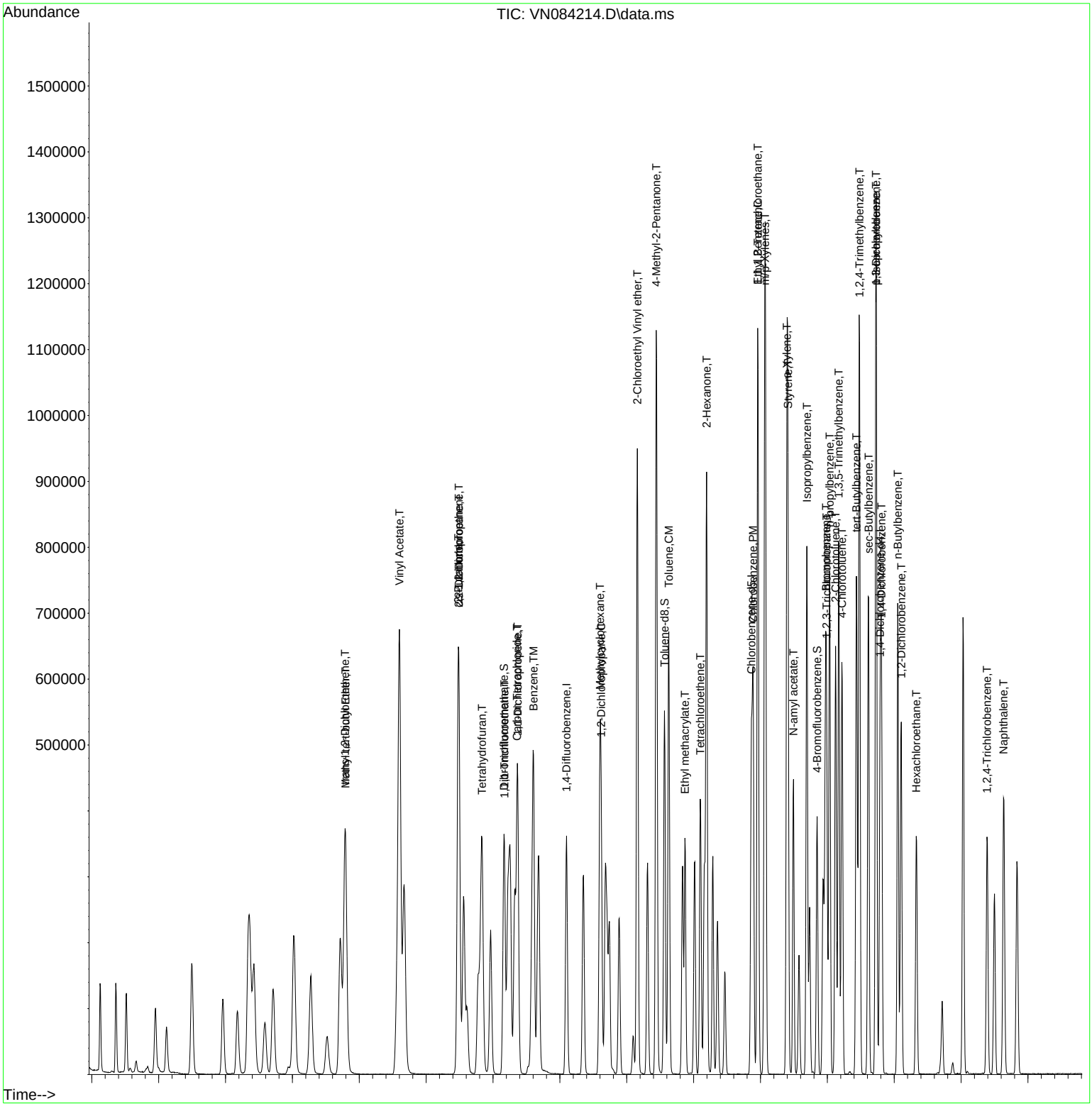
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Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

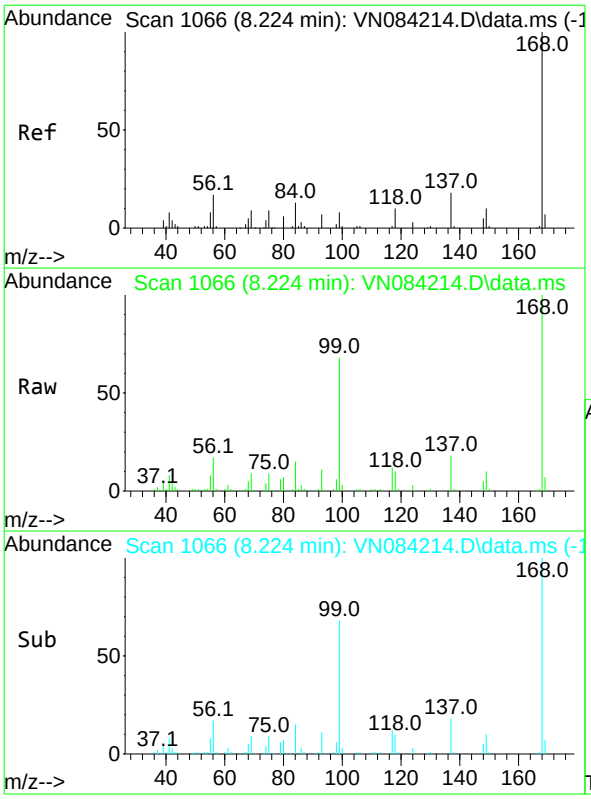
Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

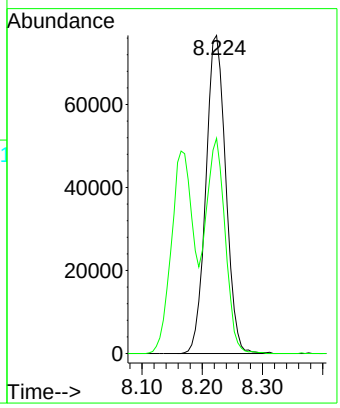




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:168 Resp: 175379

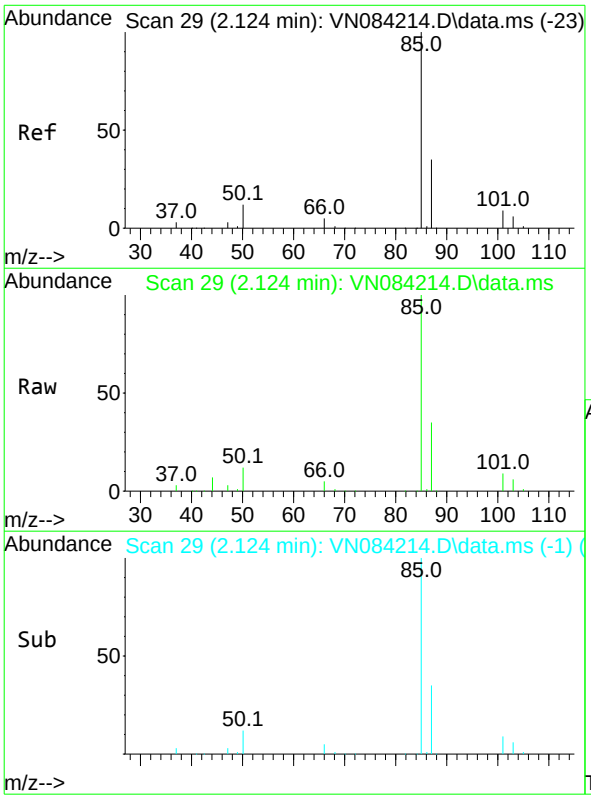
Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

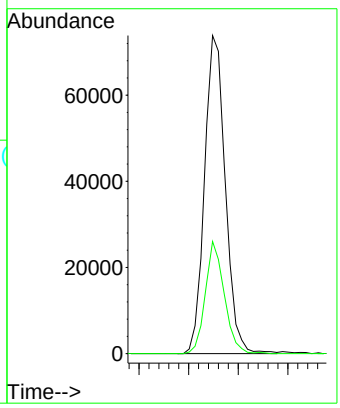
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

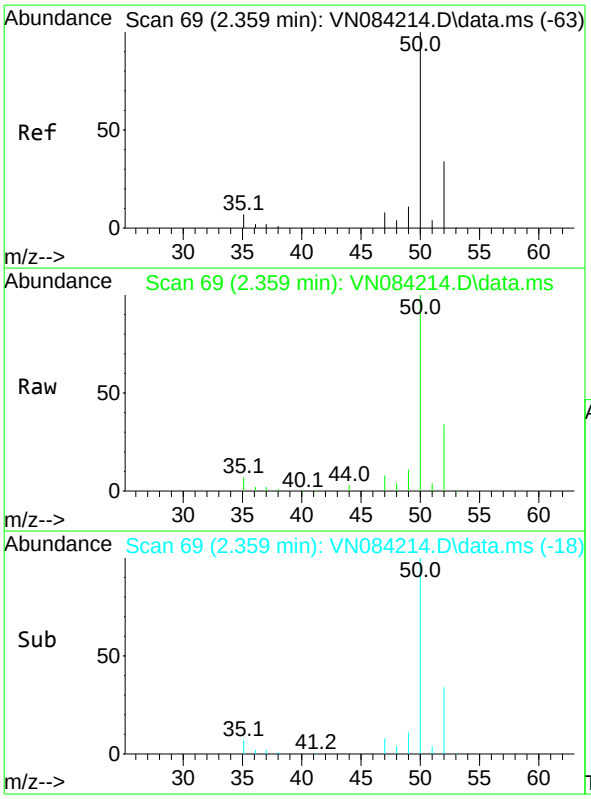


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9

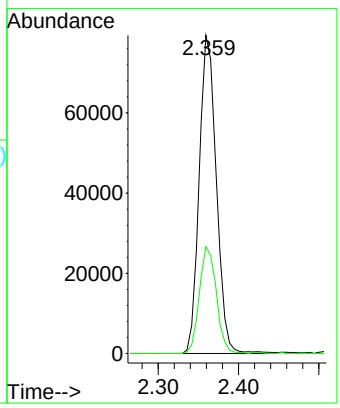




#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 50 Resp: 117689

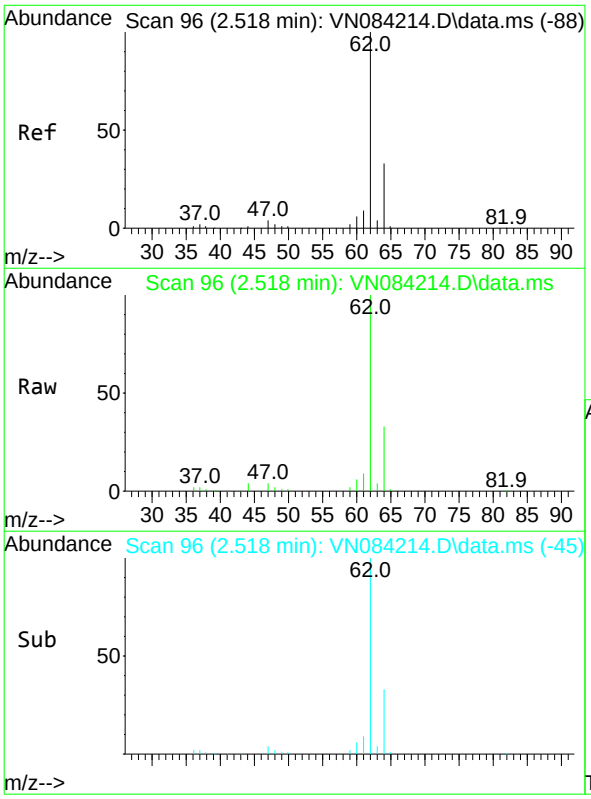
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

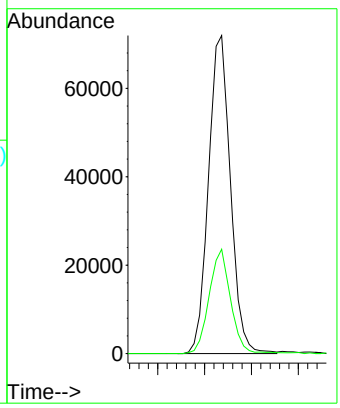
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

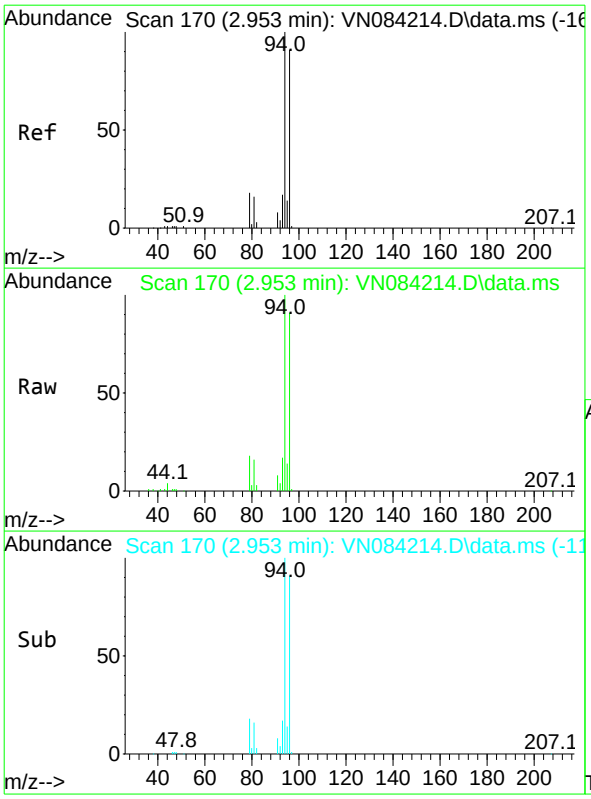


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

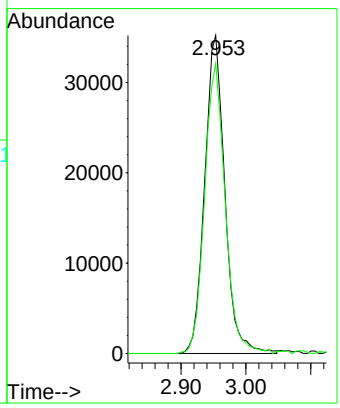




#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 94 Resp: 75848

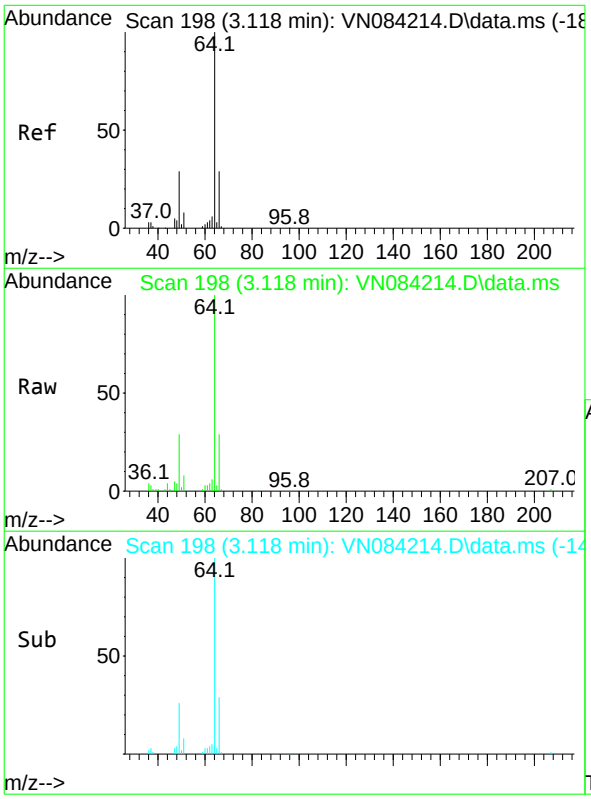
Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

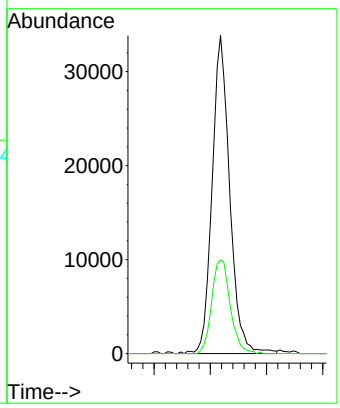
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

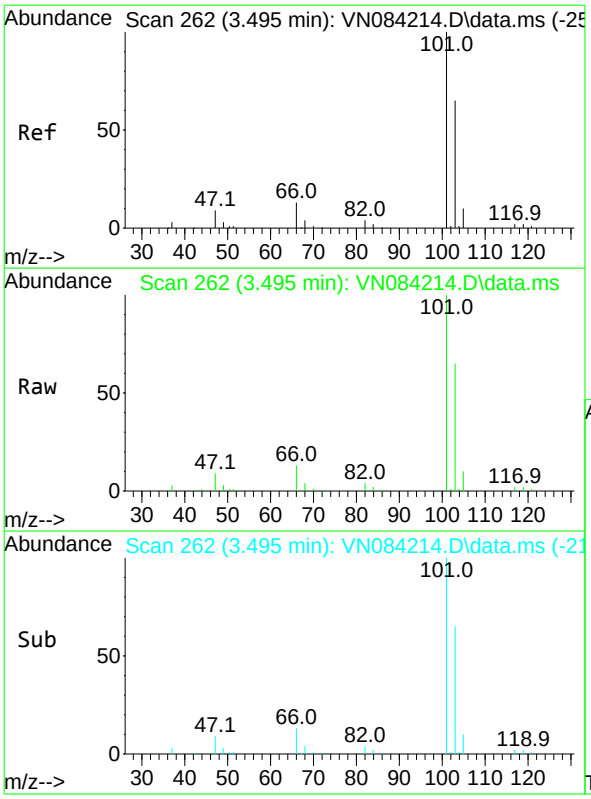


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3

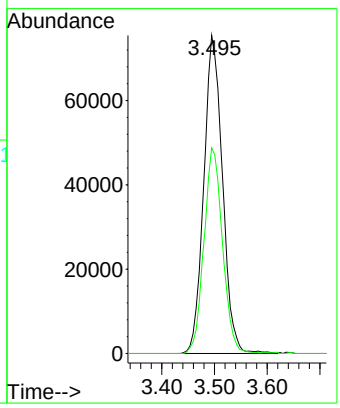




#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 185982

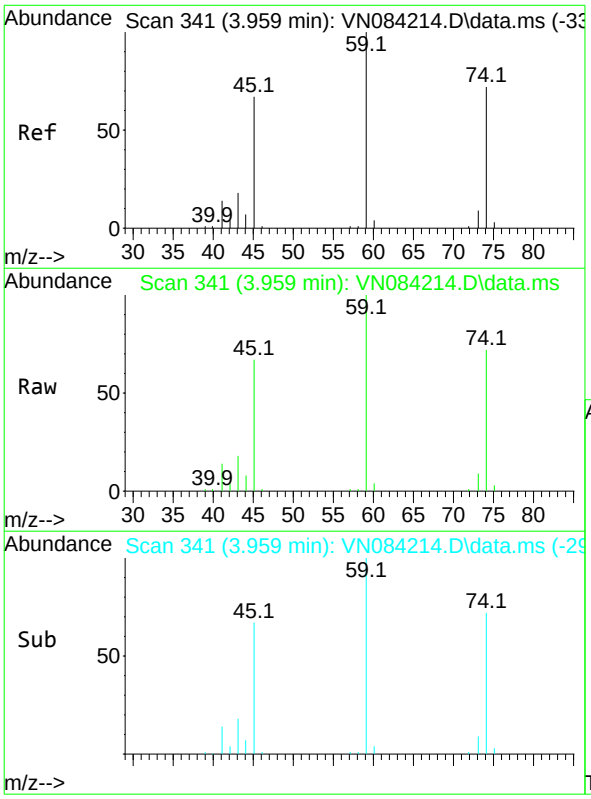
Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

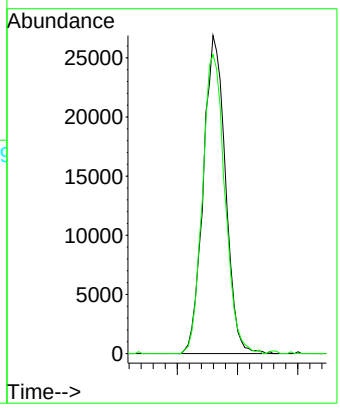
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

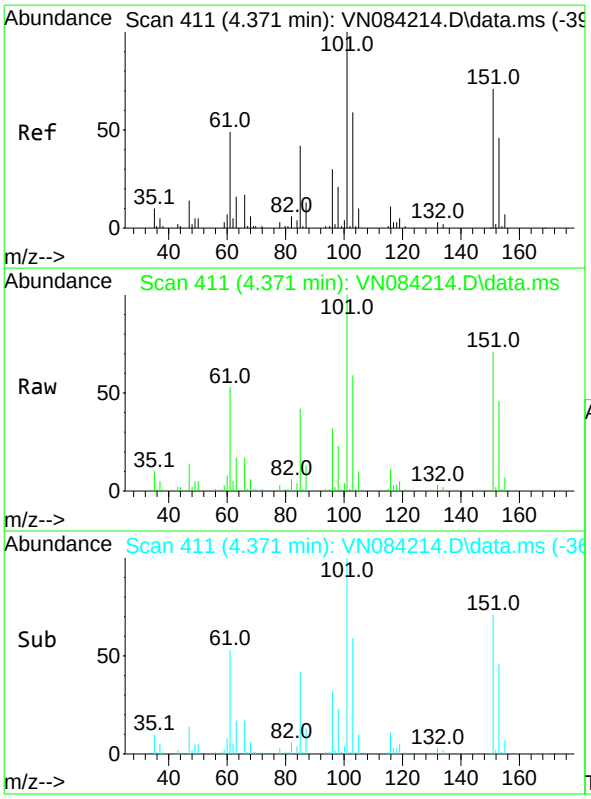


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1

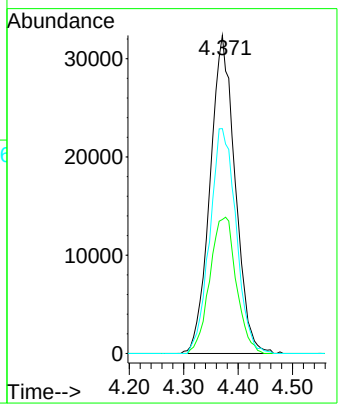




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 103552

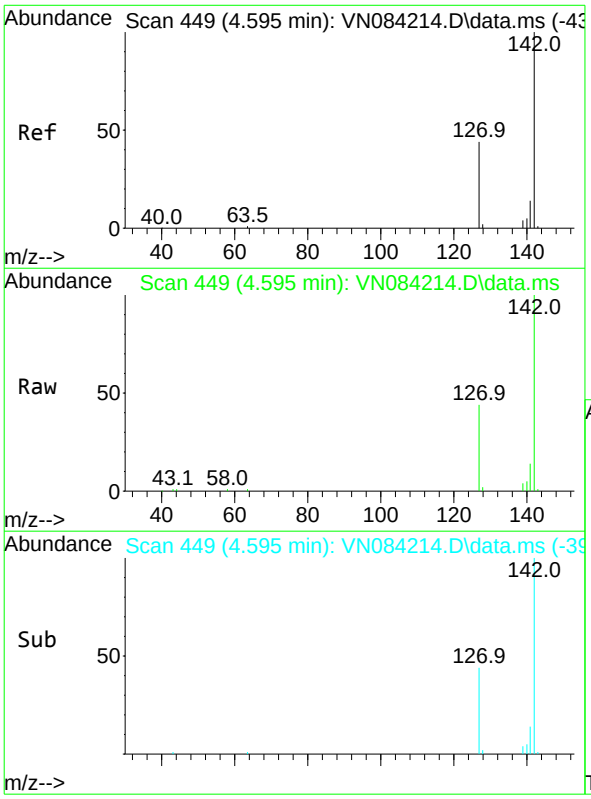
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	74.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

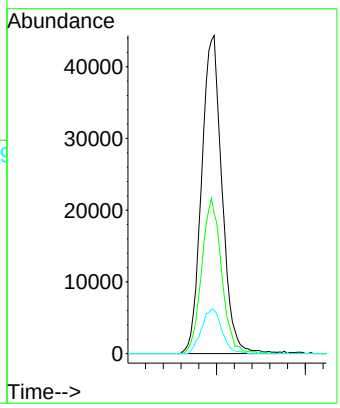
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

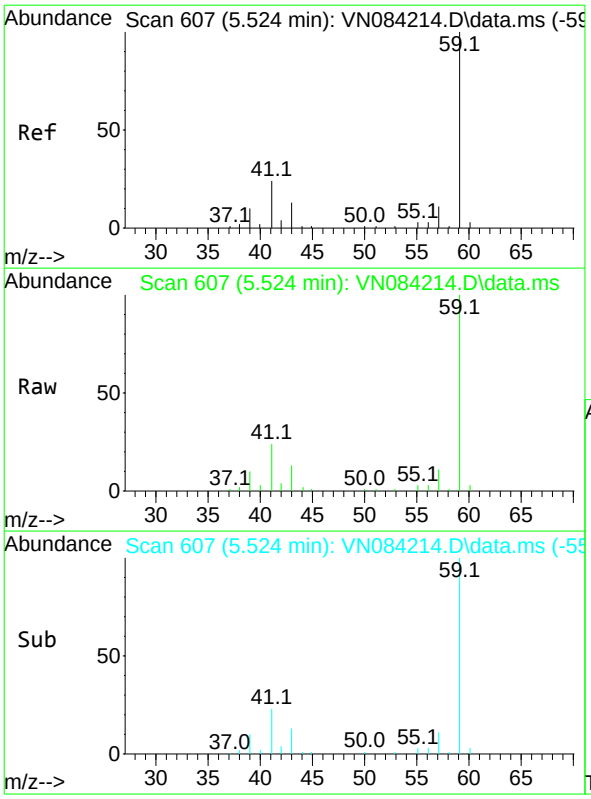


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

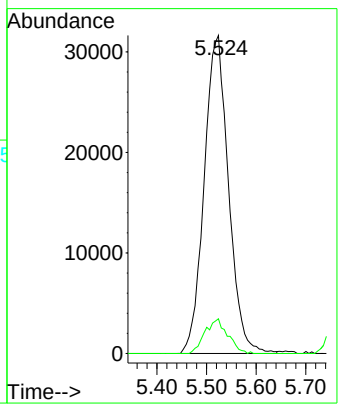




#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 59 Resp: 107986

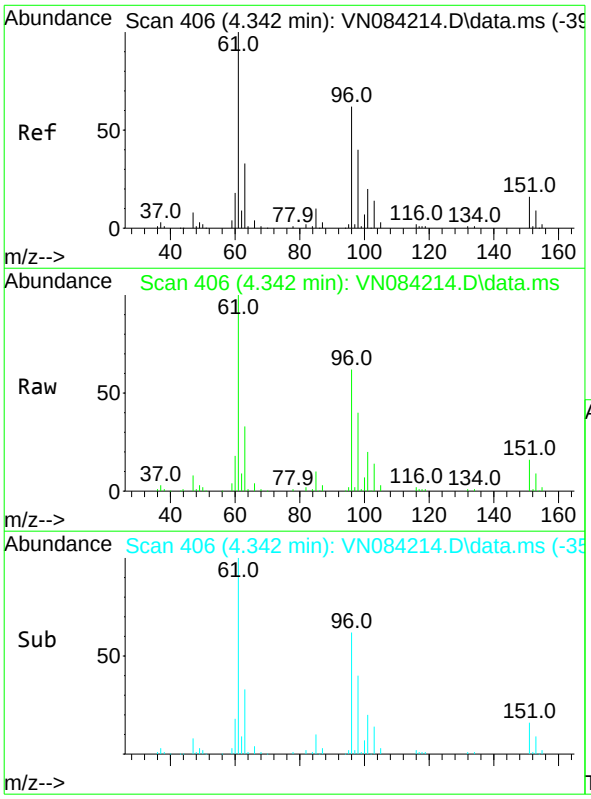
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

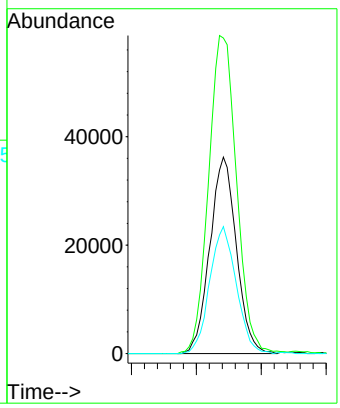
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

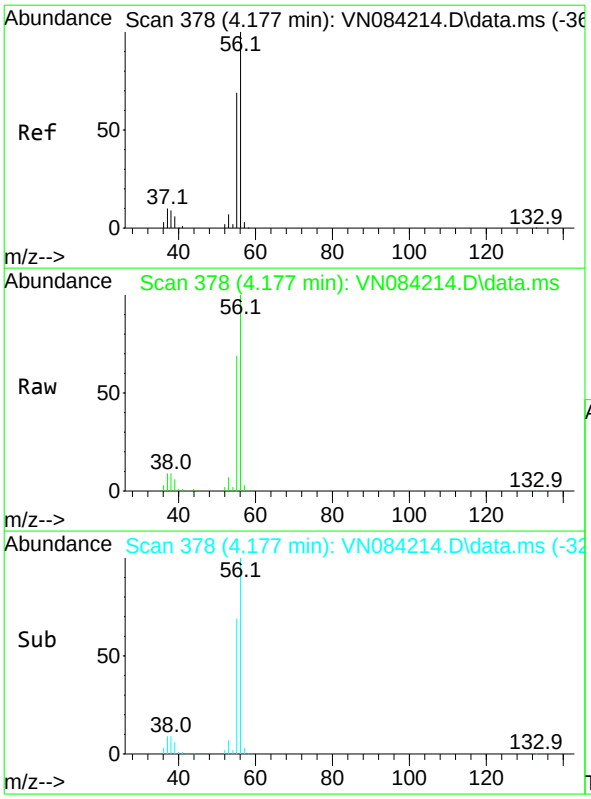


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

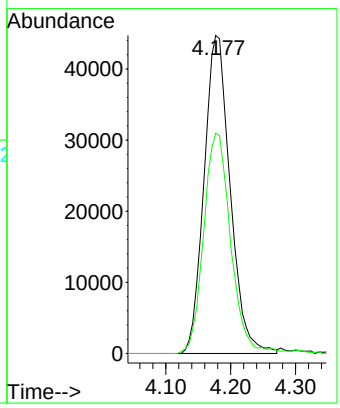




#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 124940

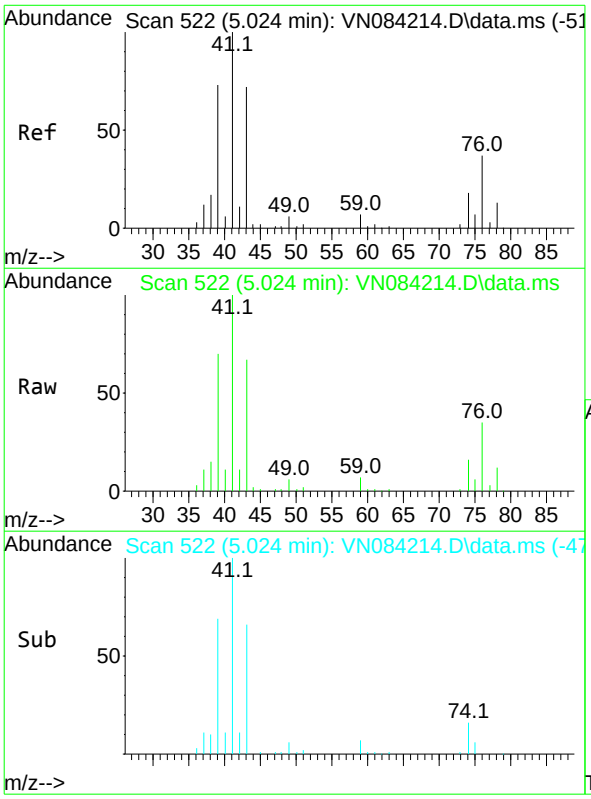
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

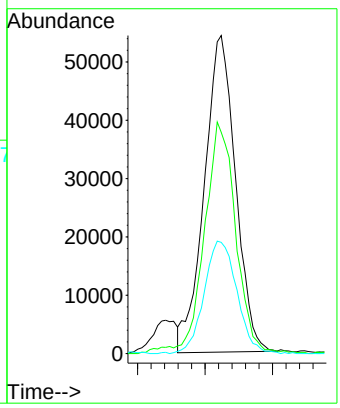
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

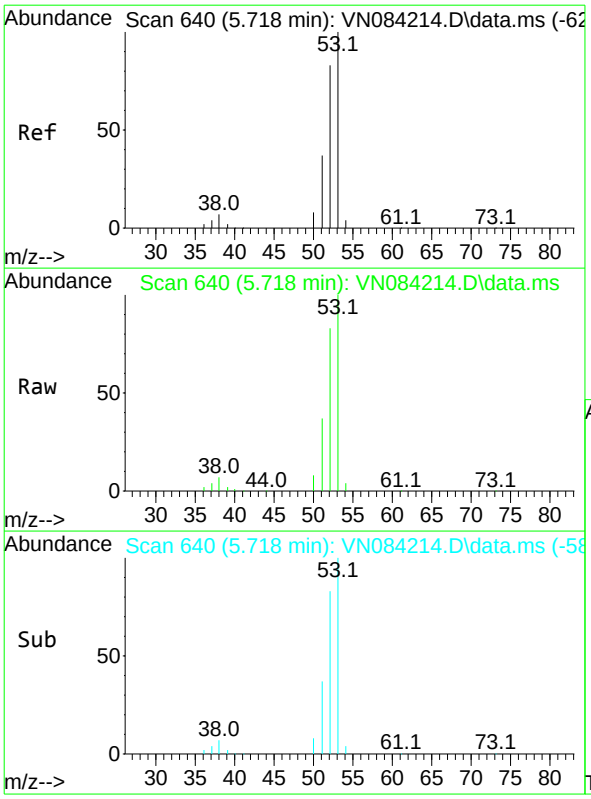


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

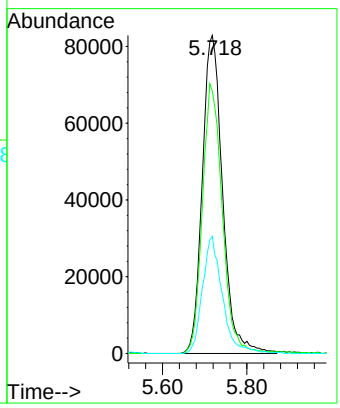




#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 53 Resp: 277346

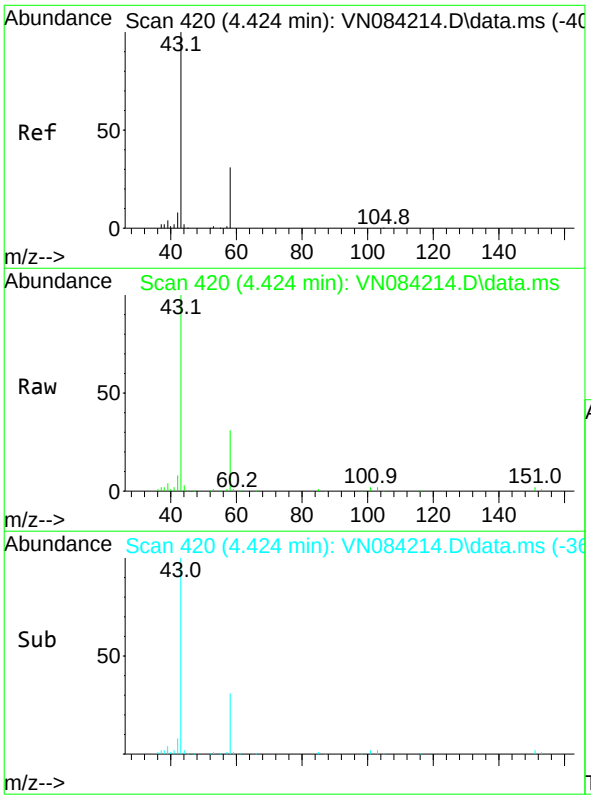
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

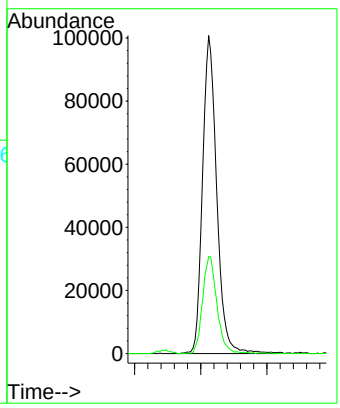
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

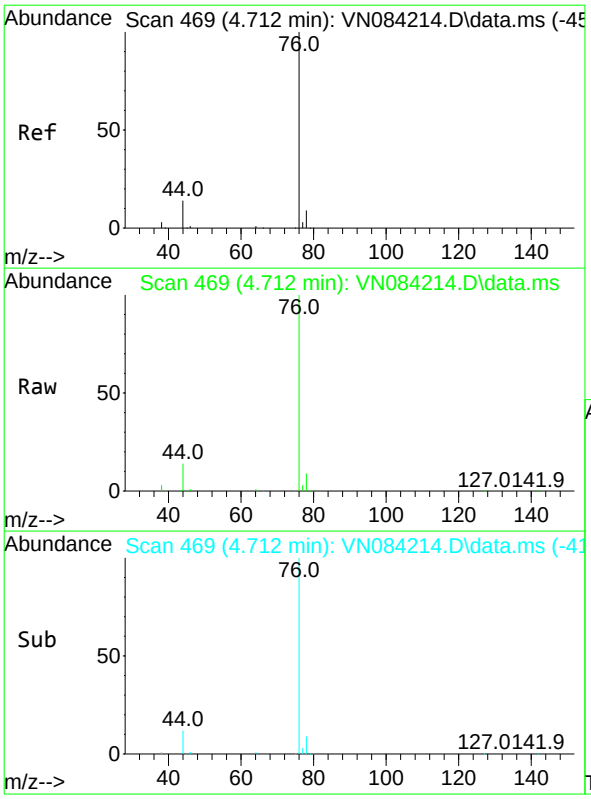


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6

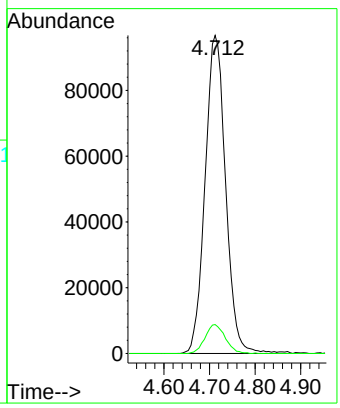




#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 302183

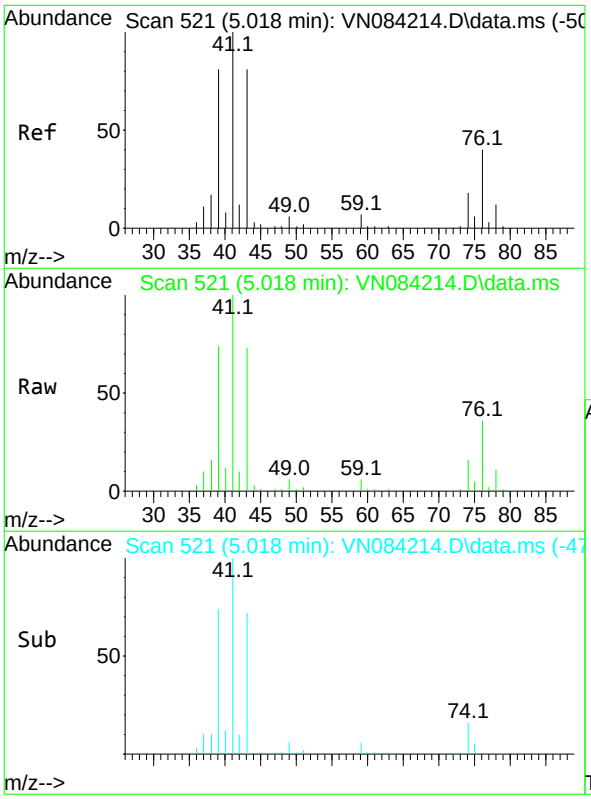
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

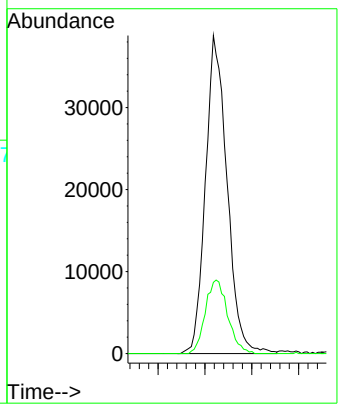
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

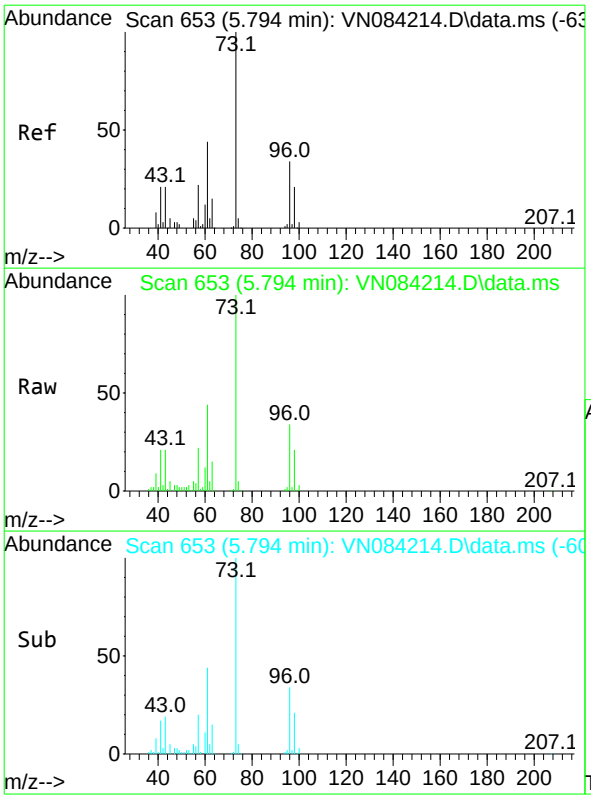


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

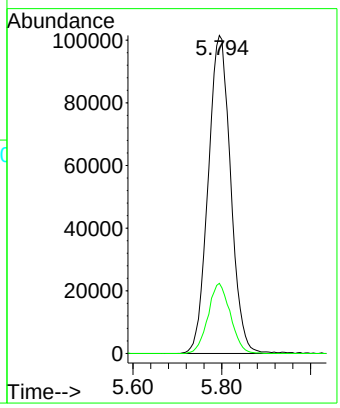




#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 73 Resp: 356478

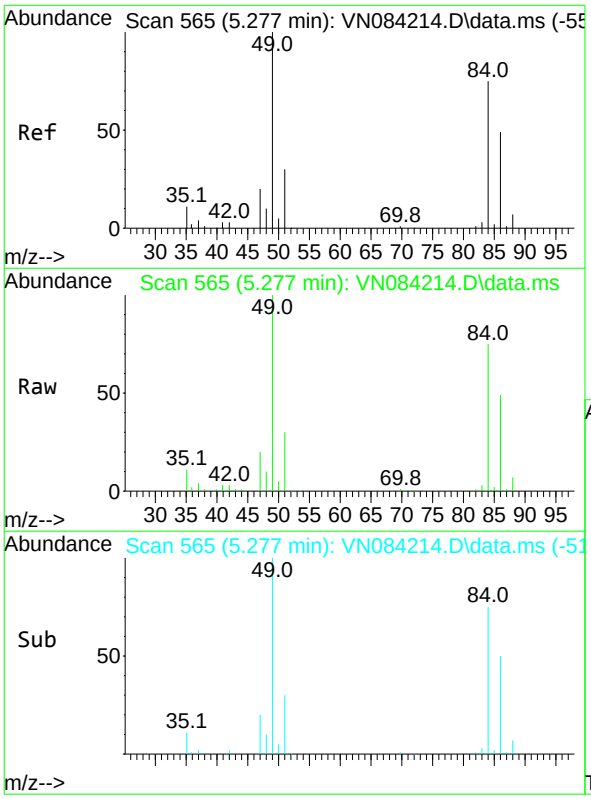
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

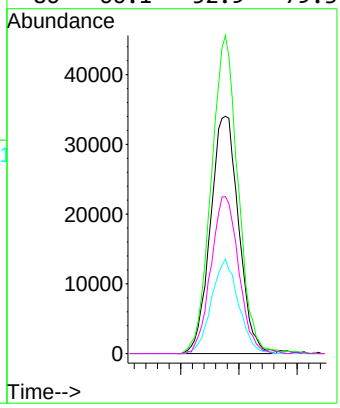
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

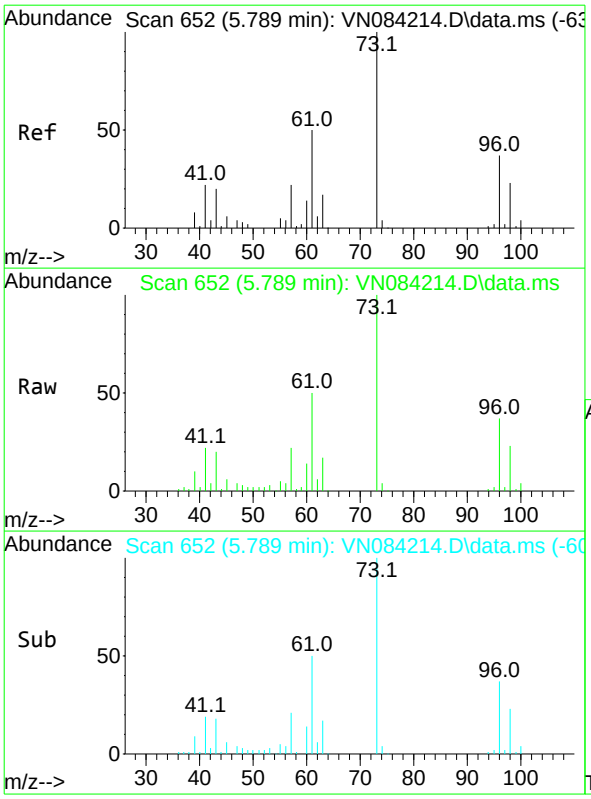


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

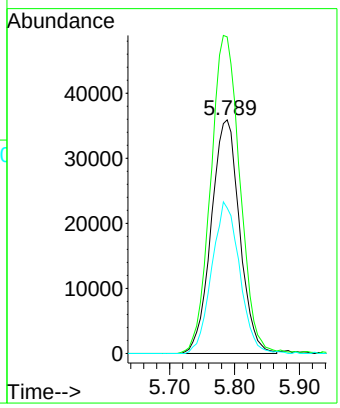




#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 109048

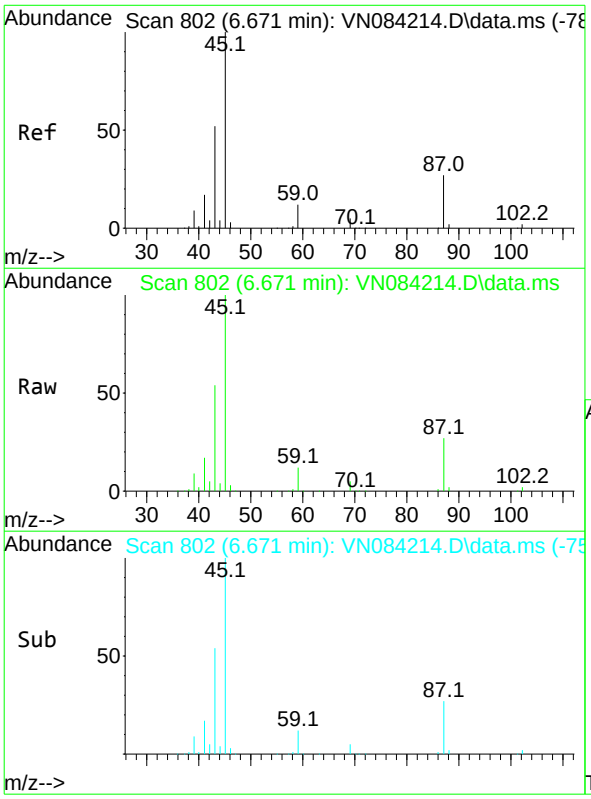
Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

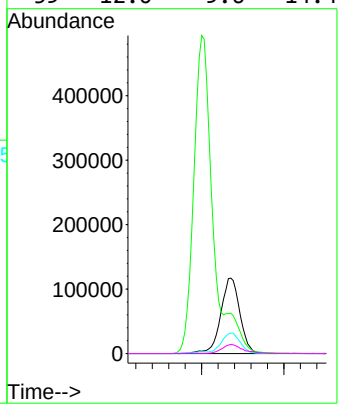
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

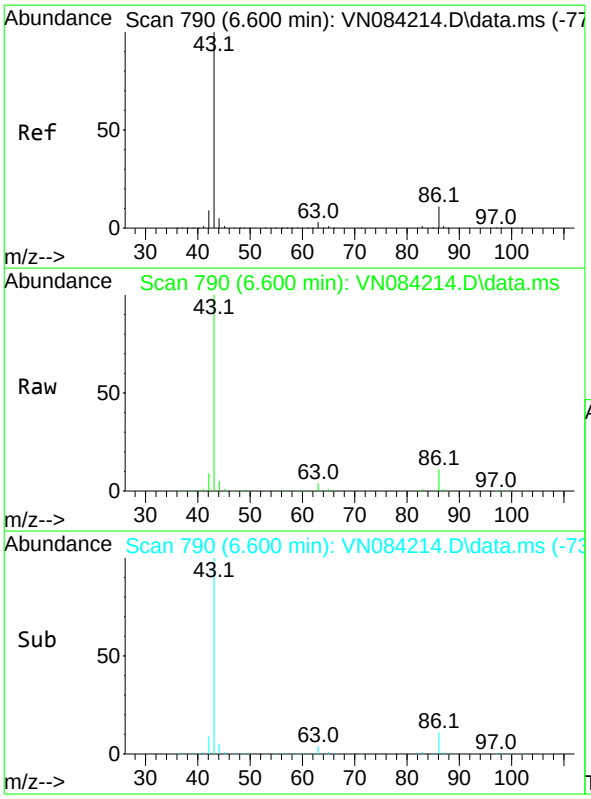


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

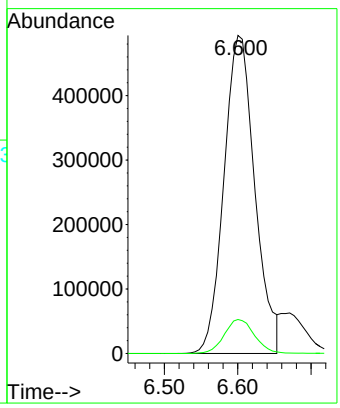




#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 1444909

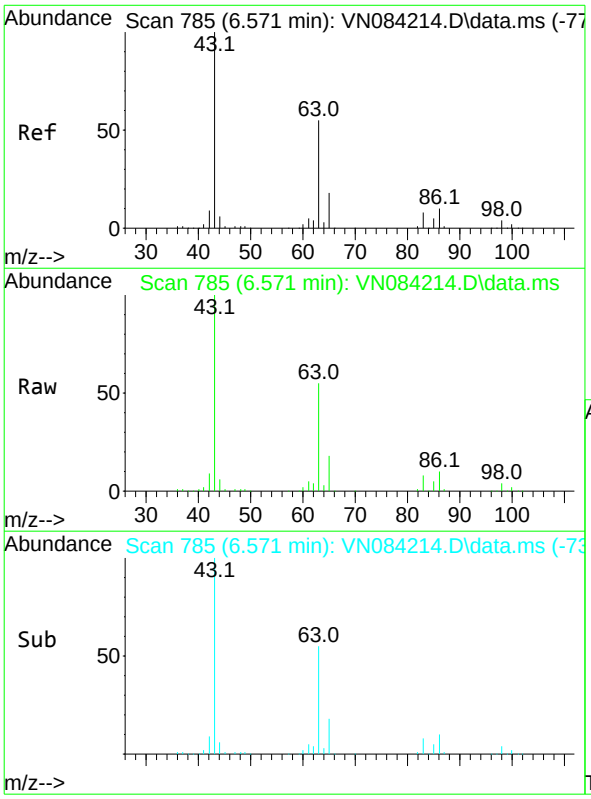
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

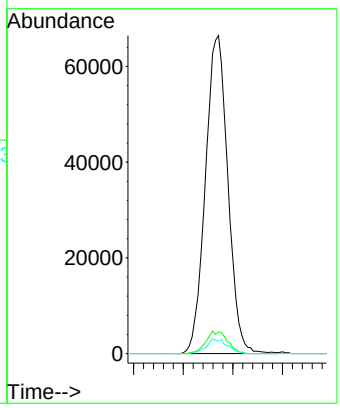
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

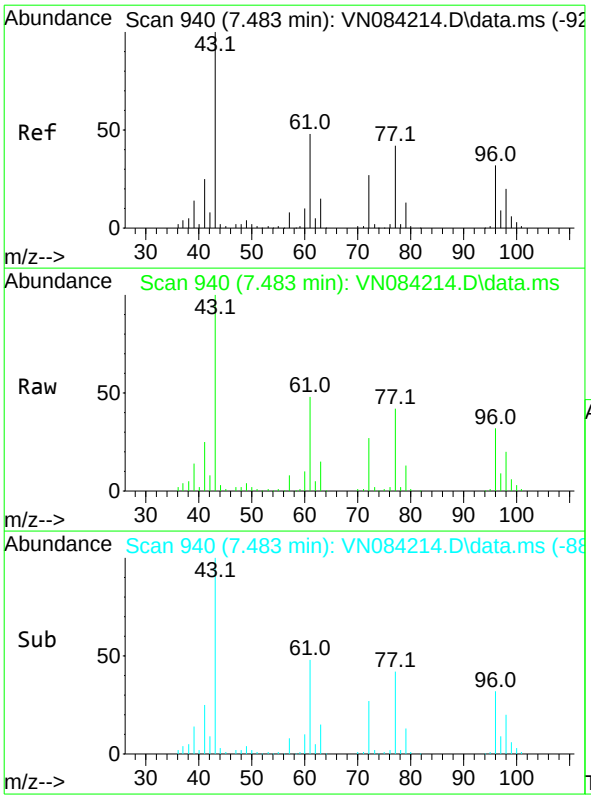


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

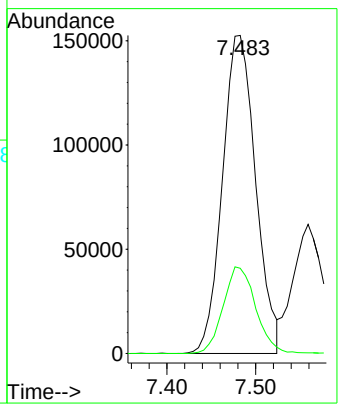




#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 396369

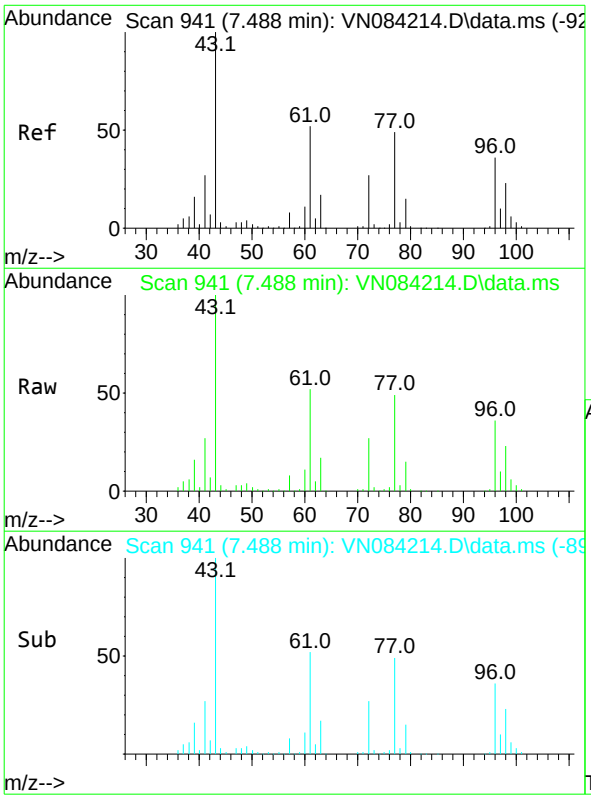
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

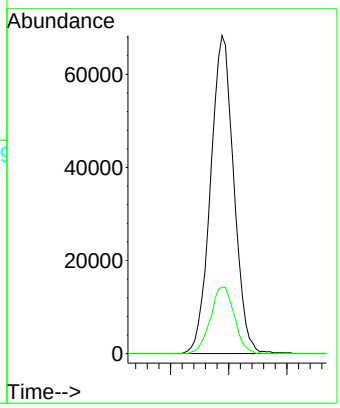
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

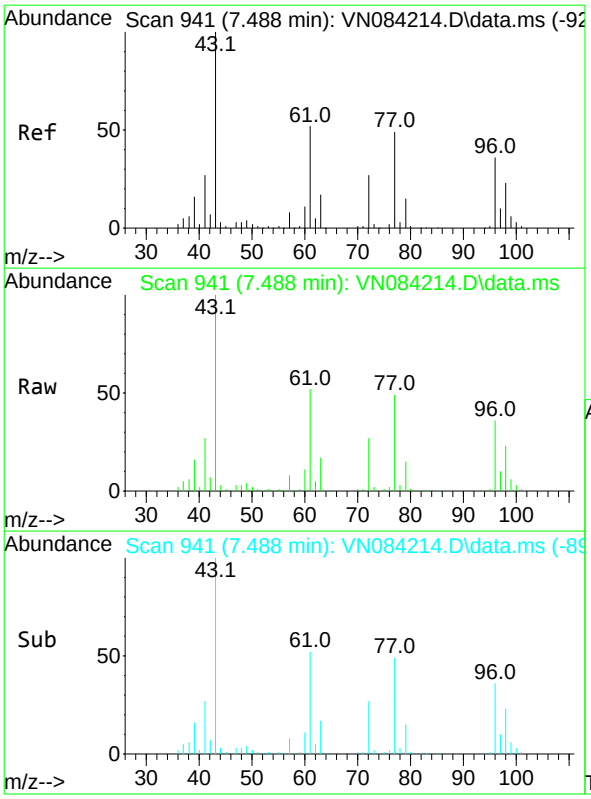


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3

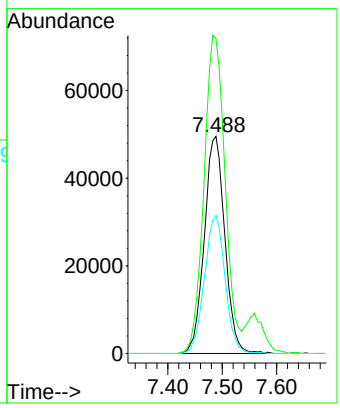




#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 129873

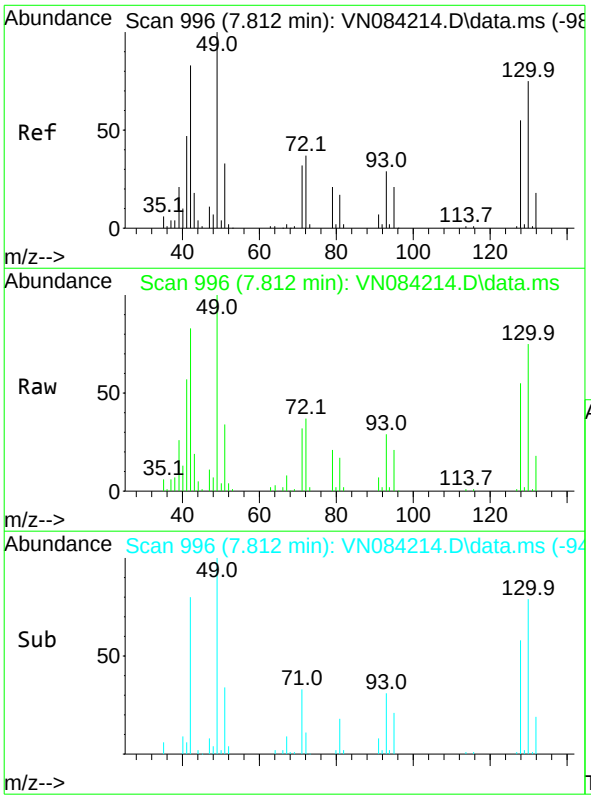
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

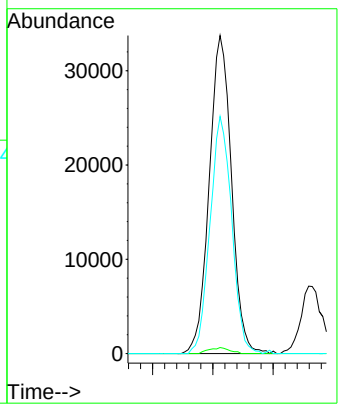
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

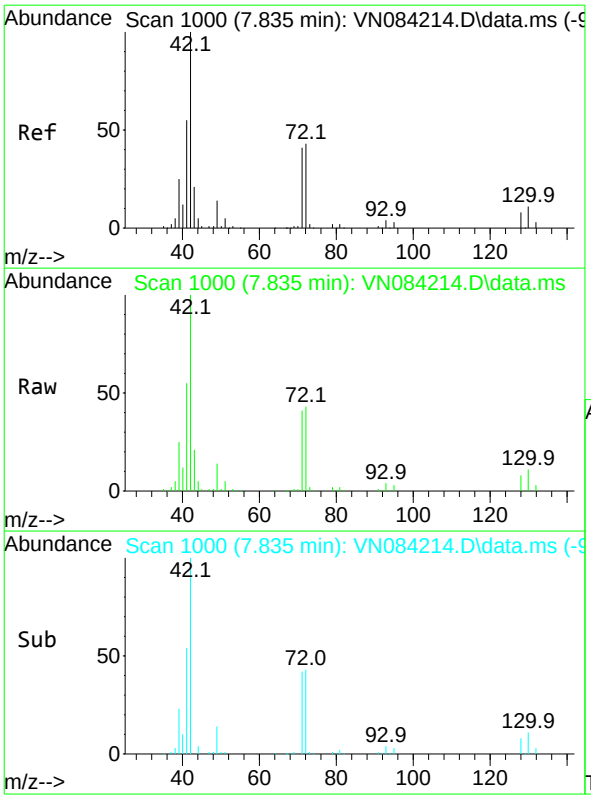


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

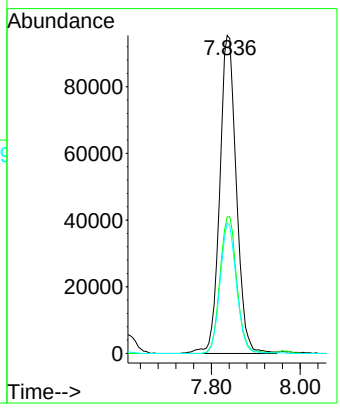




#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 42 Resp: 248328

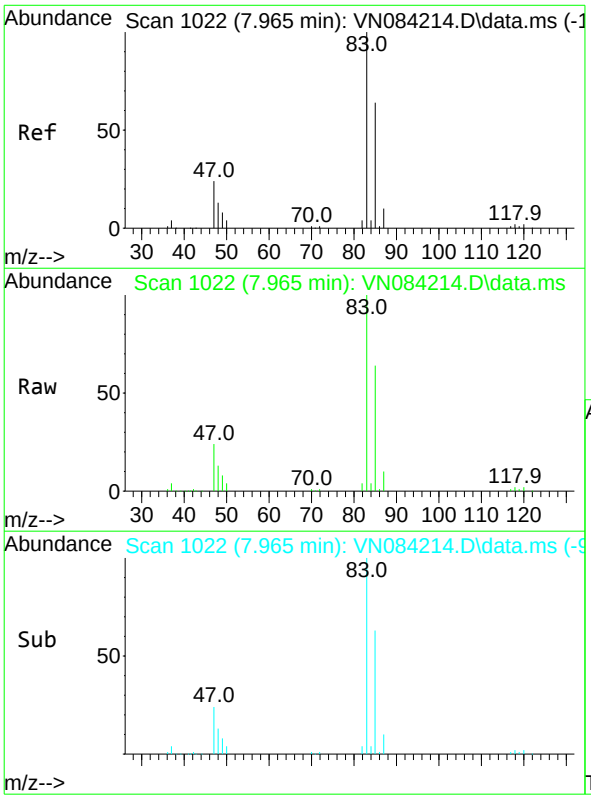
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

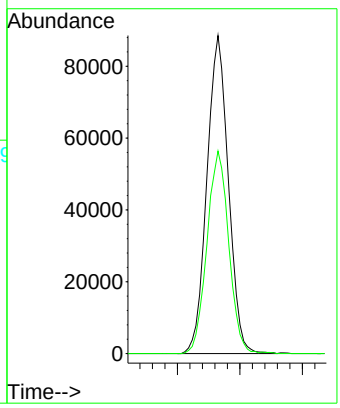
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

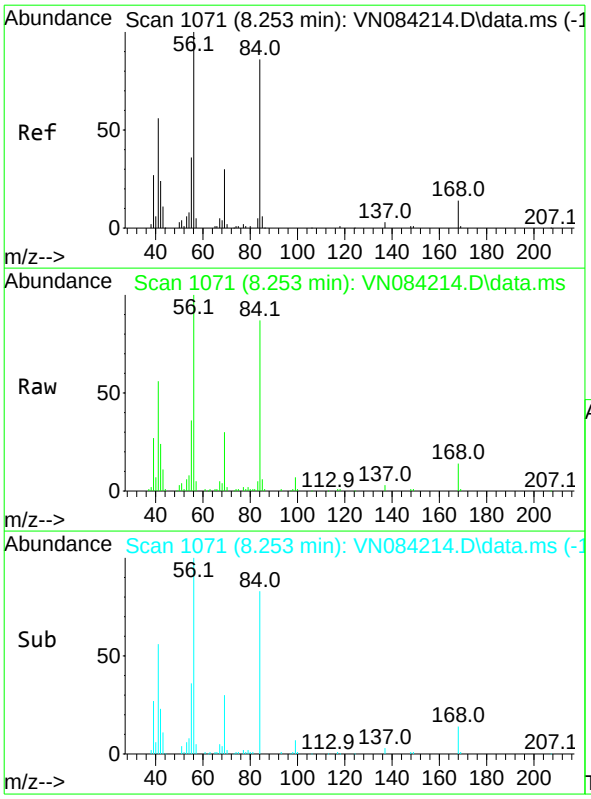


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4

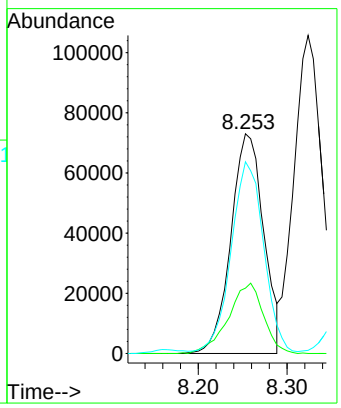




#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 187282

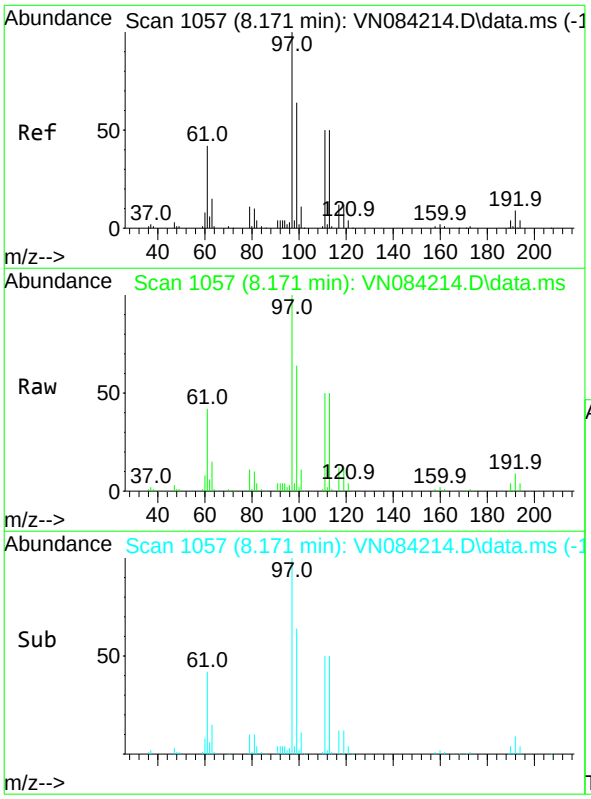
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	86.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

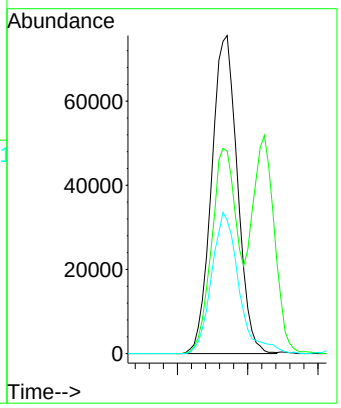
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

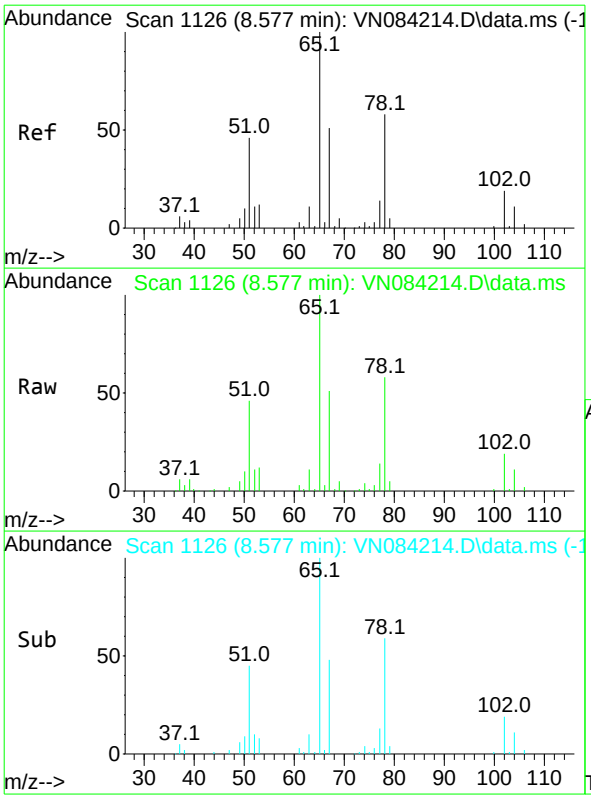


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

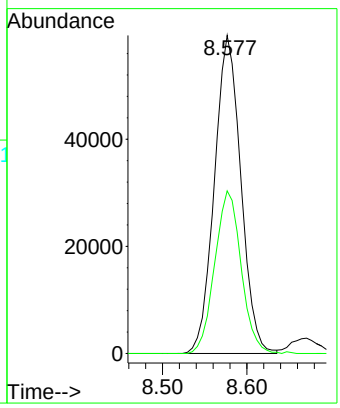




#33
1,2-Dichloroethane-d4
Concen: 49.725 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 65 Resp: 129300

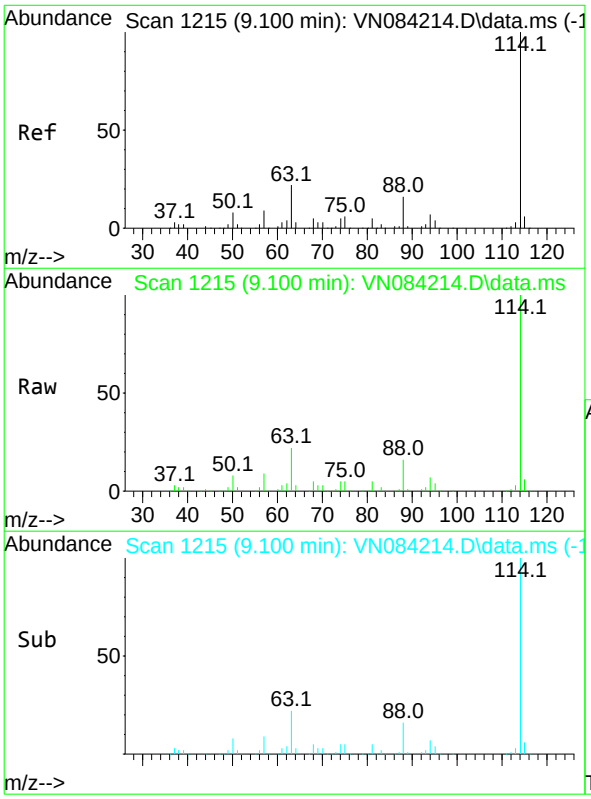
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

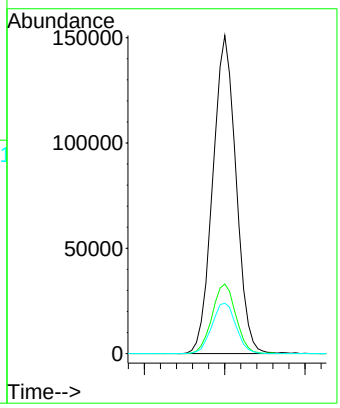
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

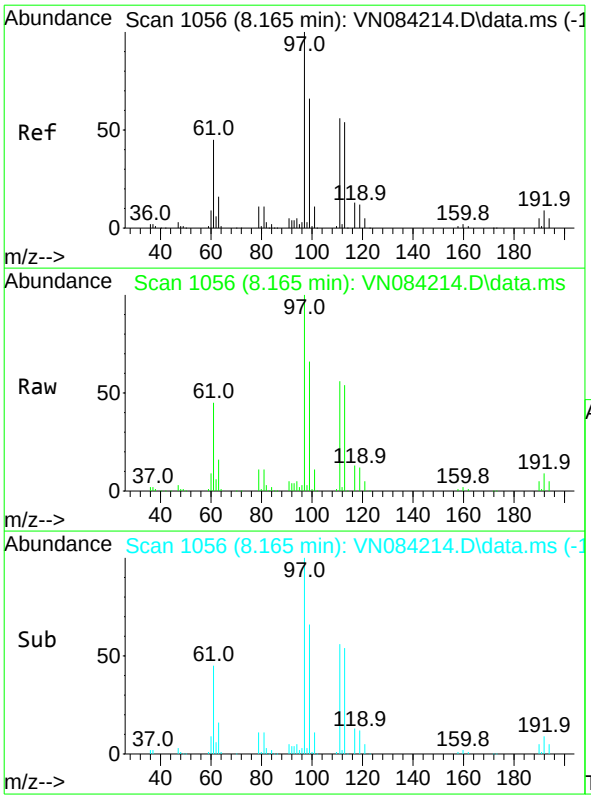


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

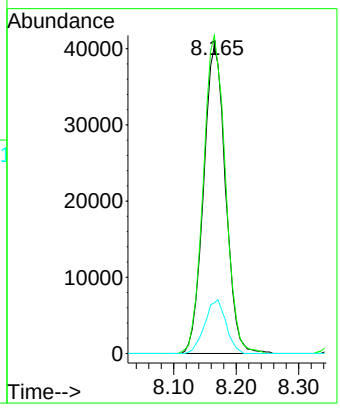




#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:113 Resp: 98531

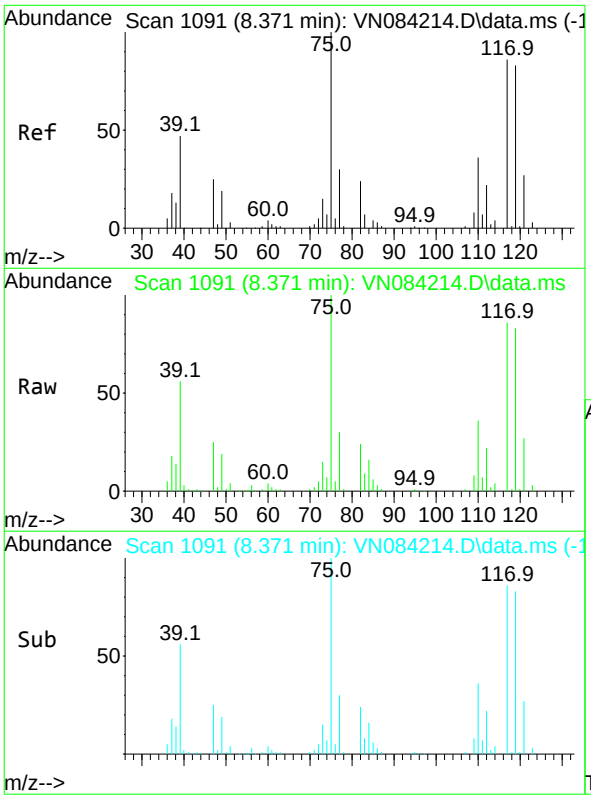
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	16.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

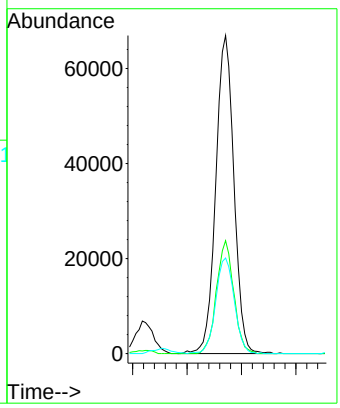
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

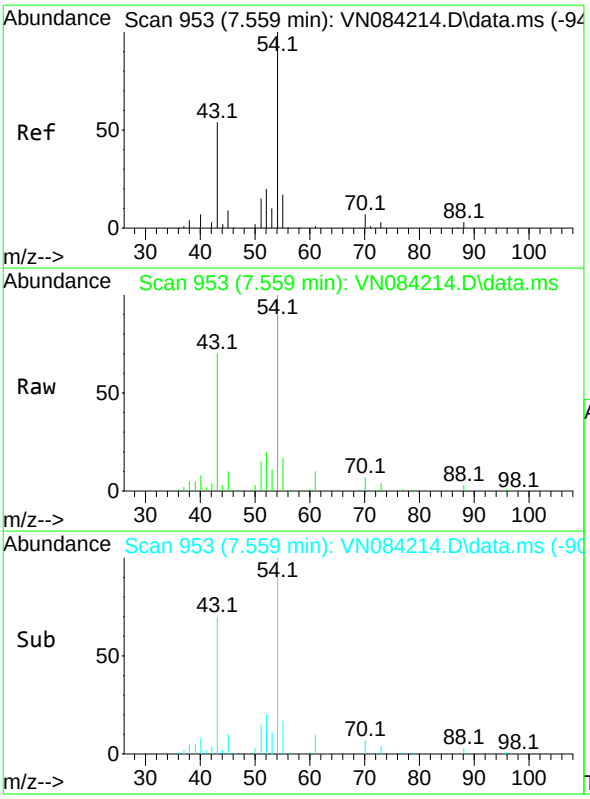


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

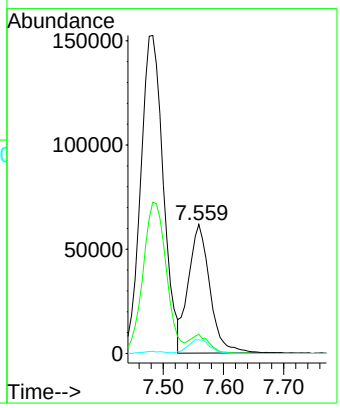




#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 153024

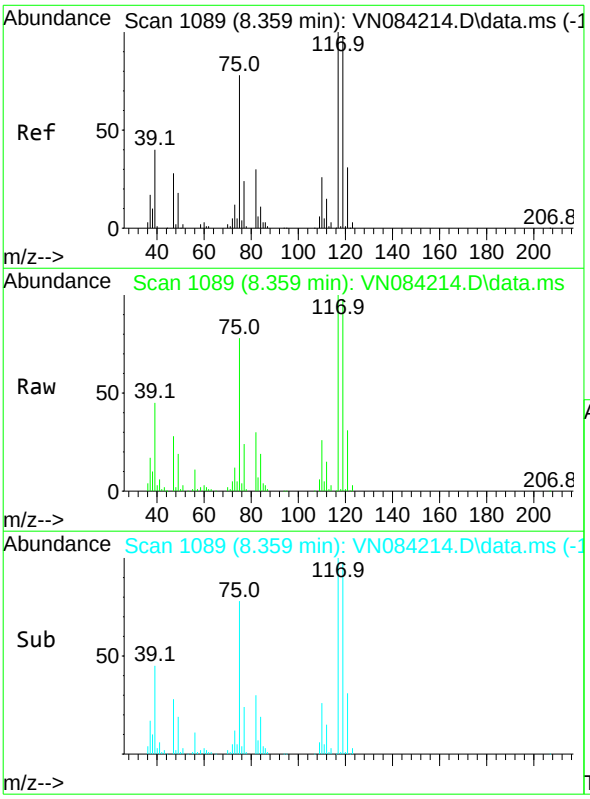
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

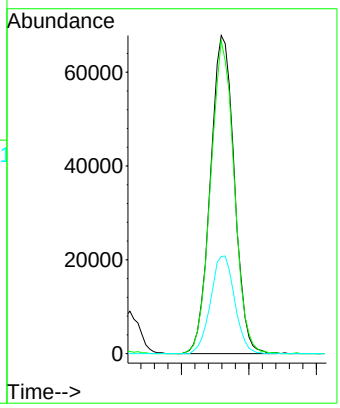
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

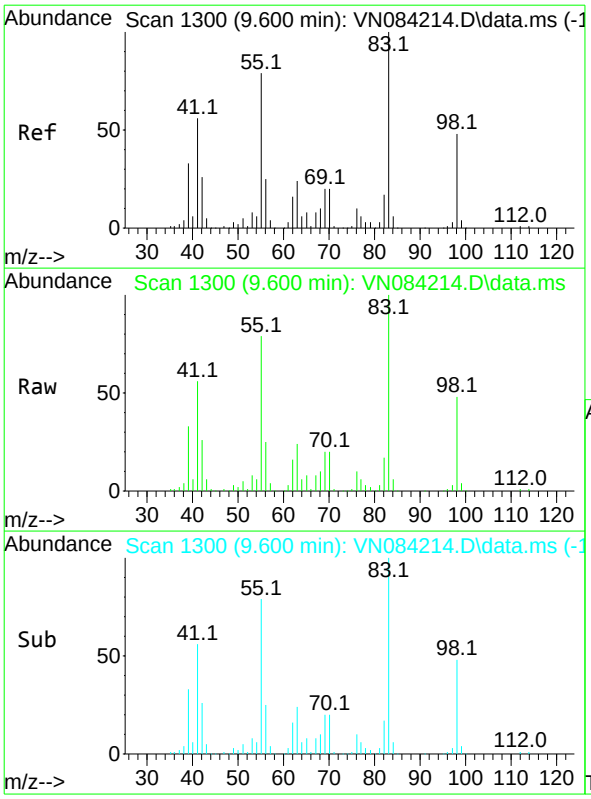


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

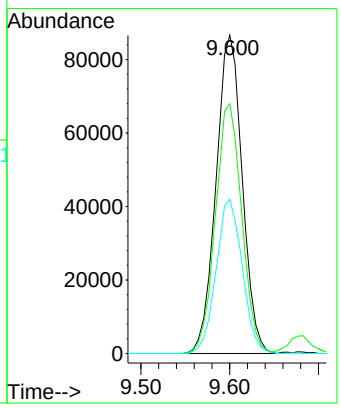




#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 177433

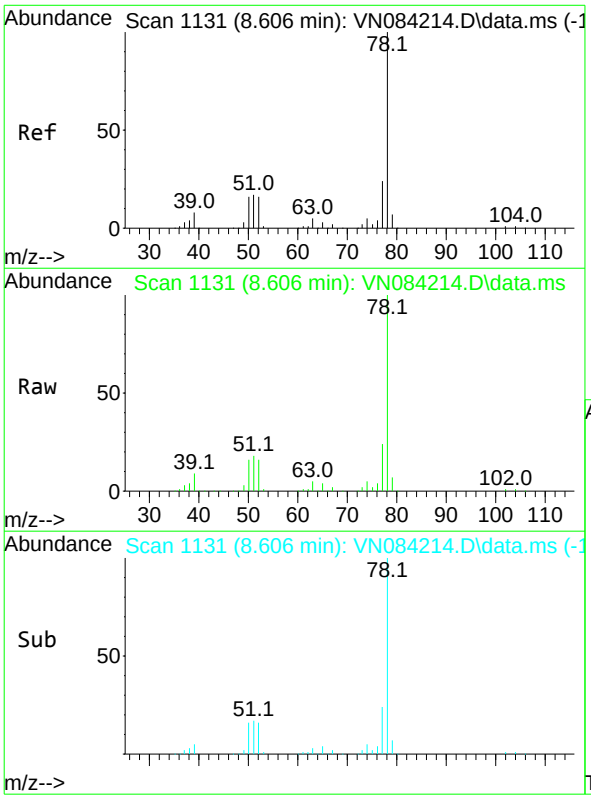
Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

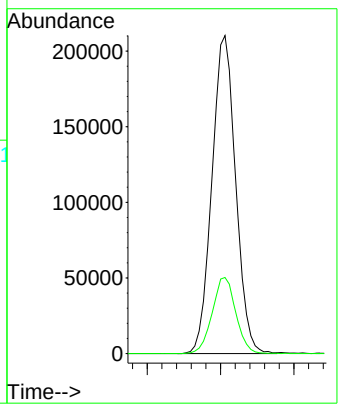
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

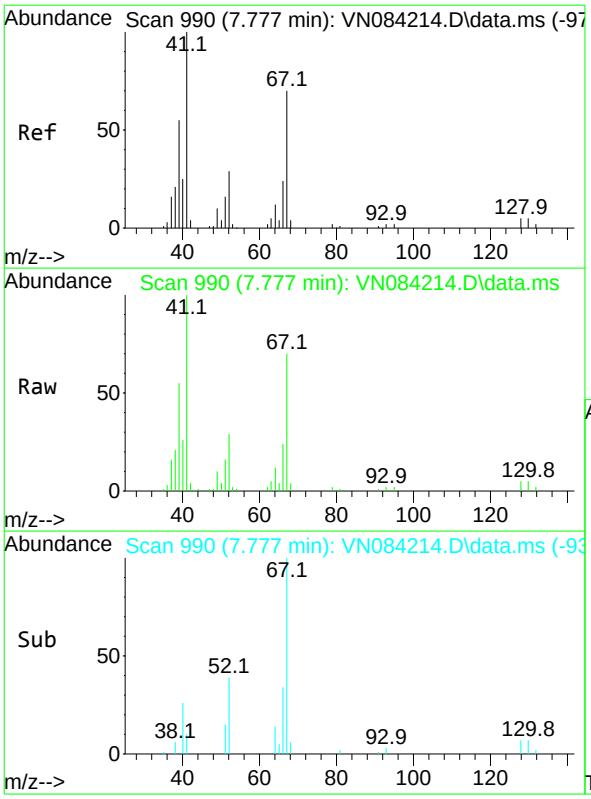


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

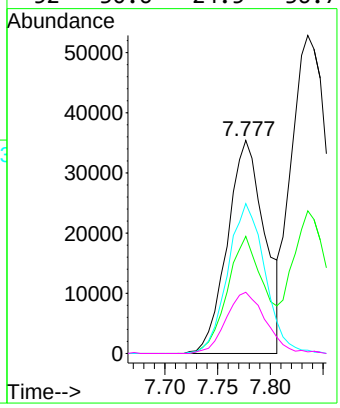




#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 87365

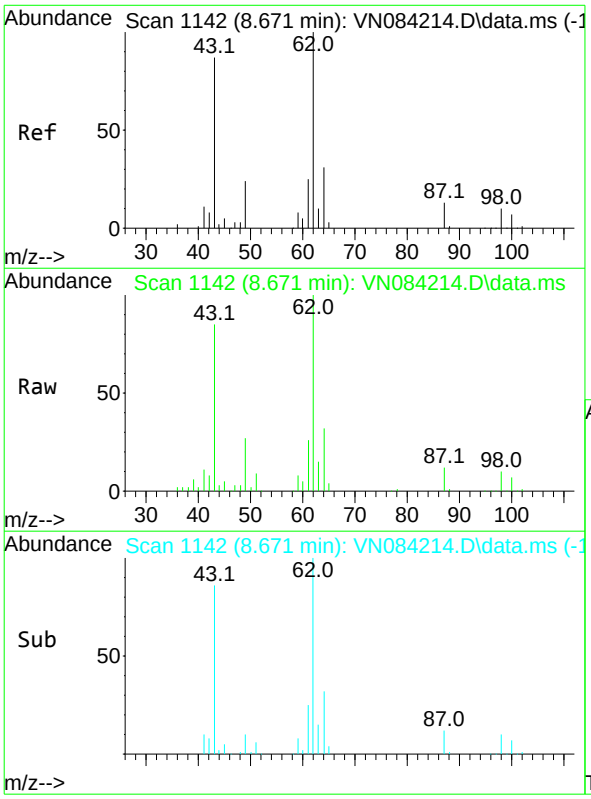
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	70.1	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

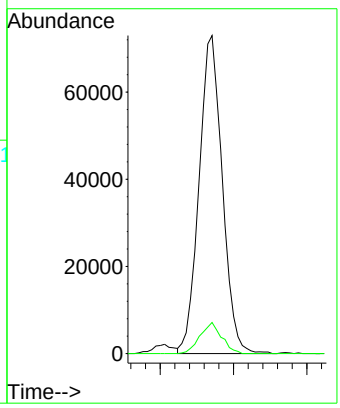
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

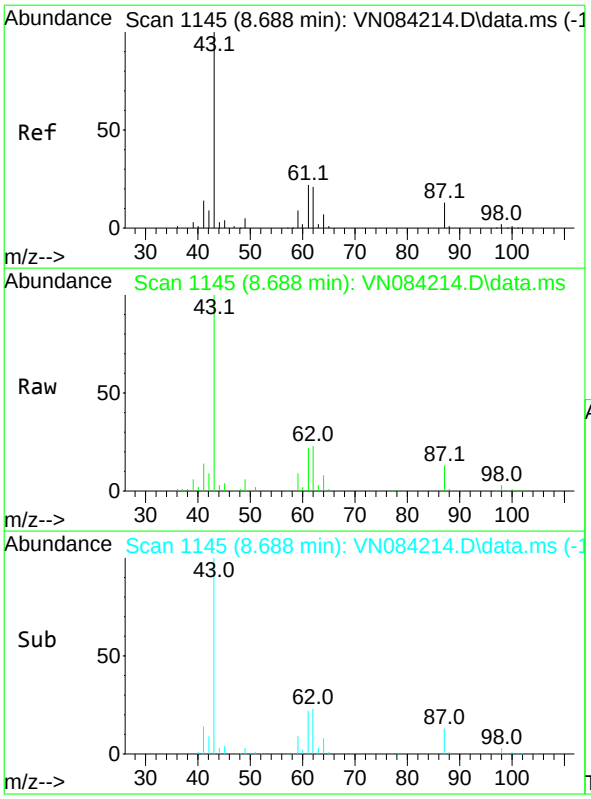


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

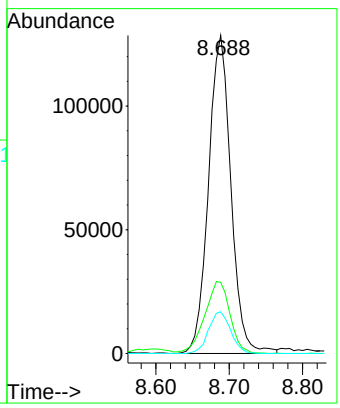




#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 272992

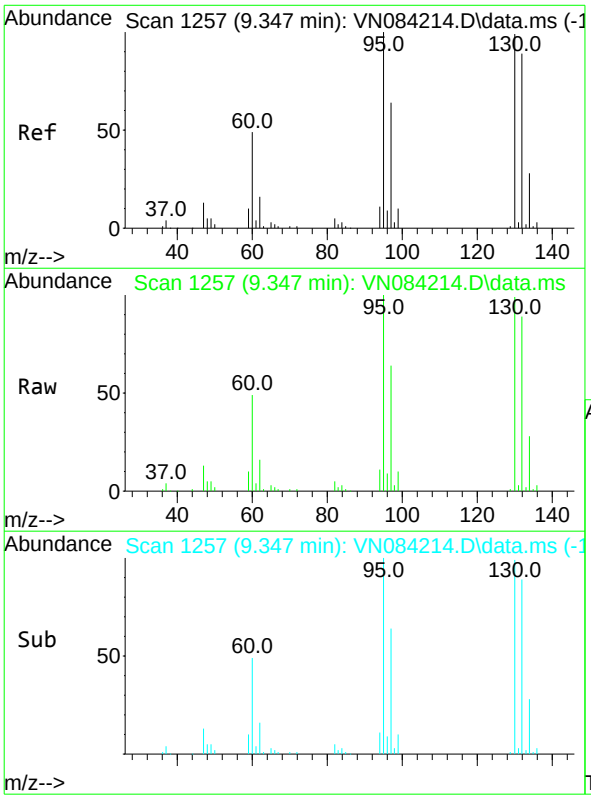
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

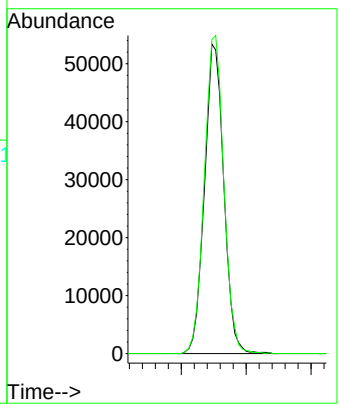
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

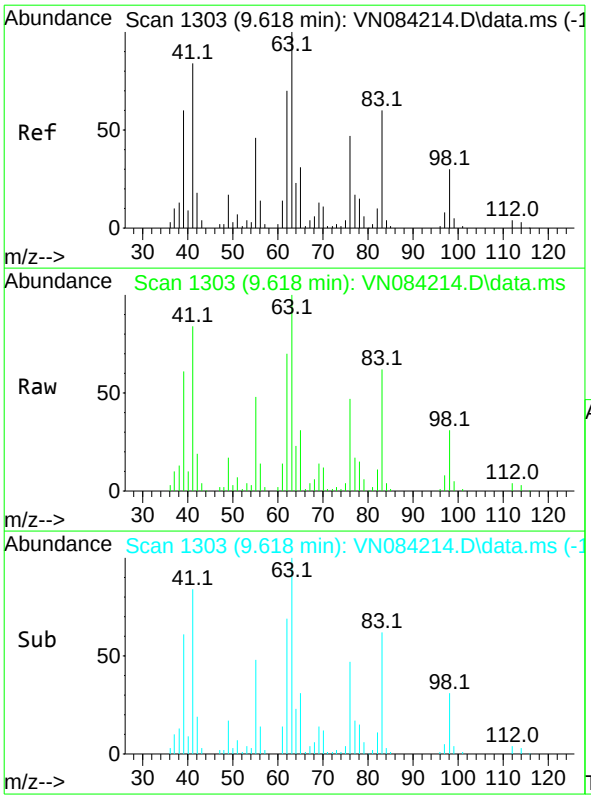


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

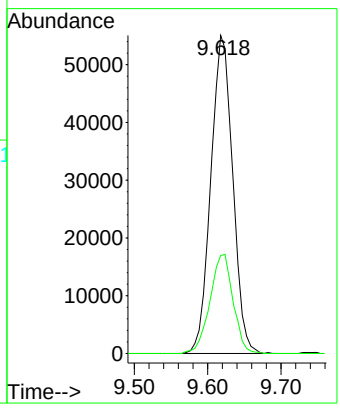




#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 114143

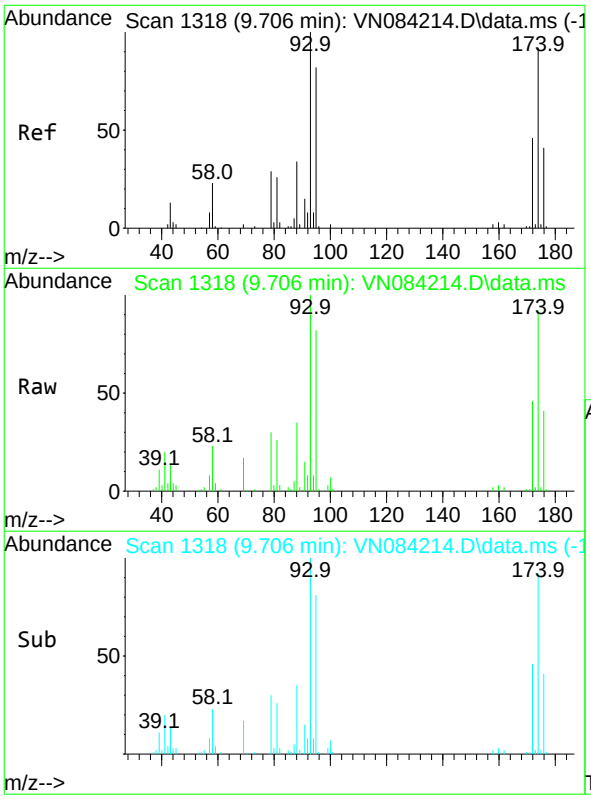
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

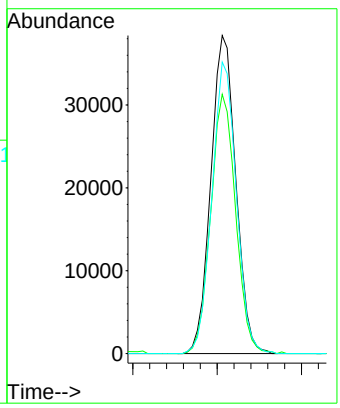
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

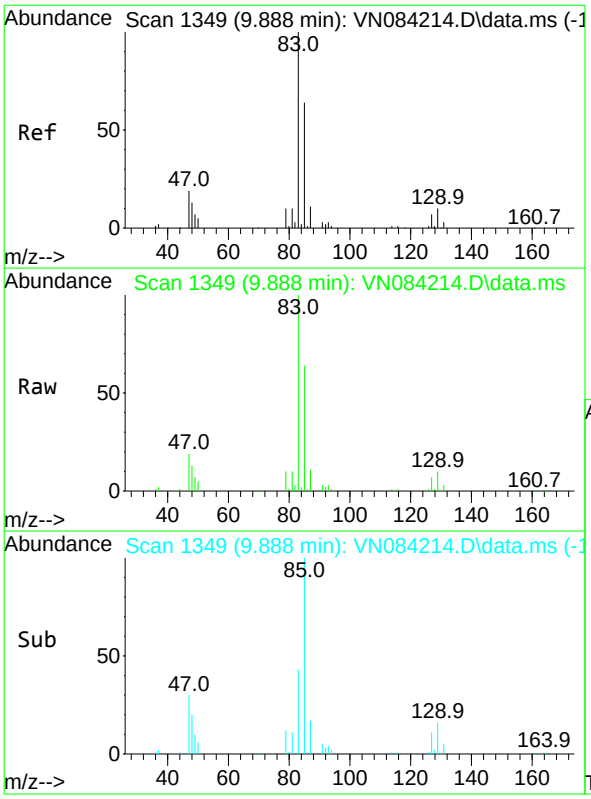


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

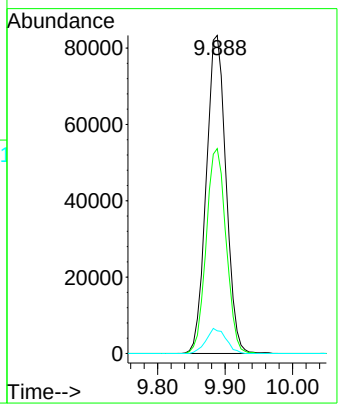




#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 169263

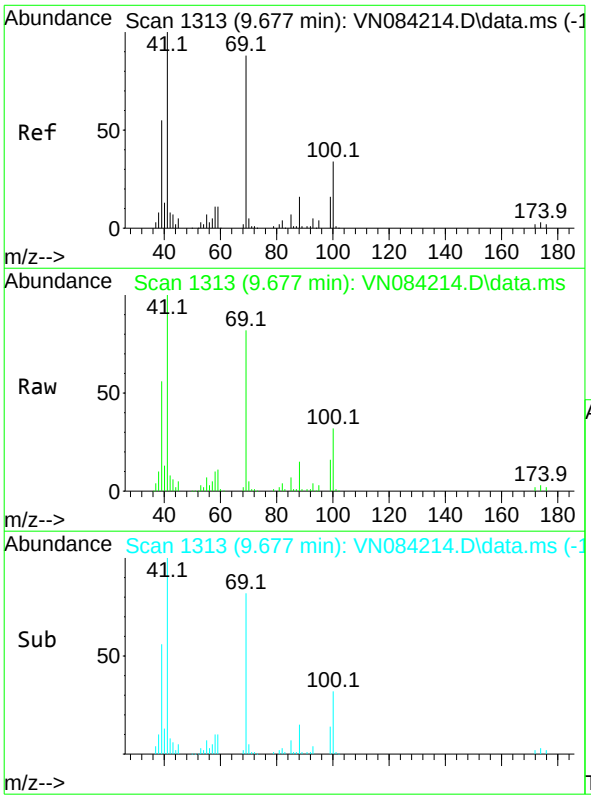
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

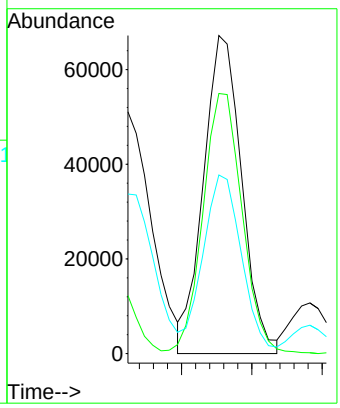
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

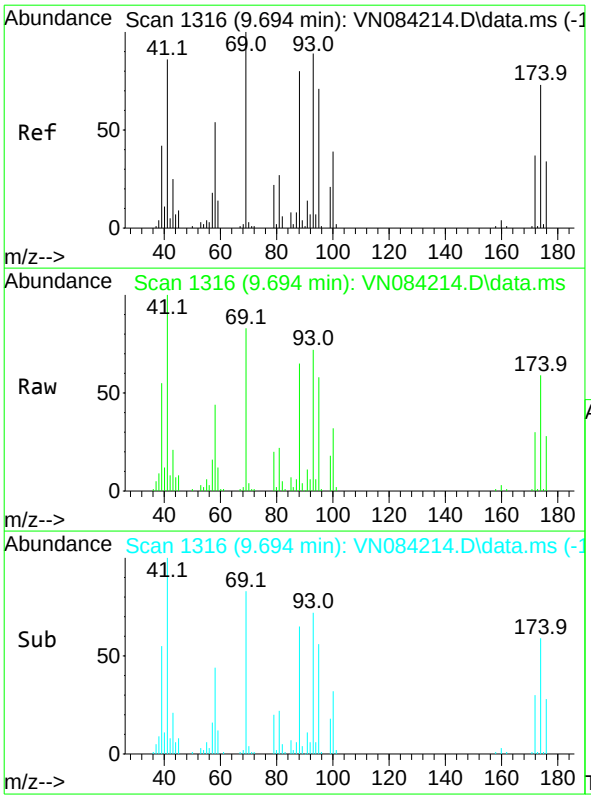


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

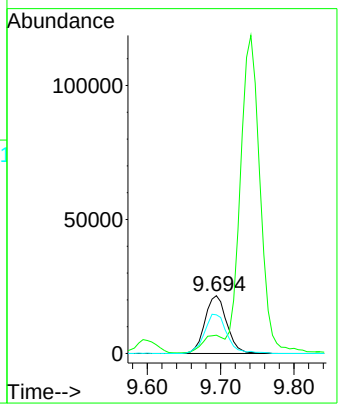




#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 88 Resp: 44512

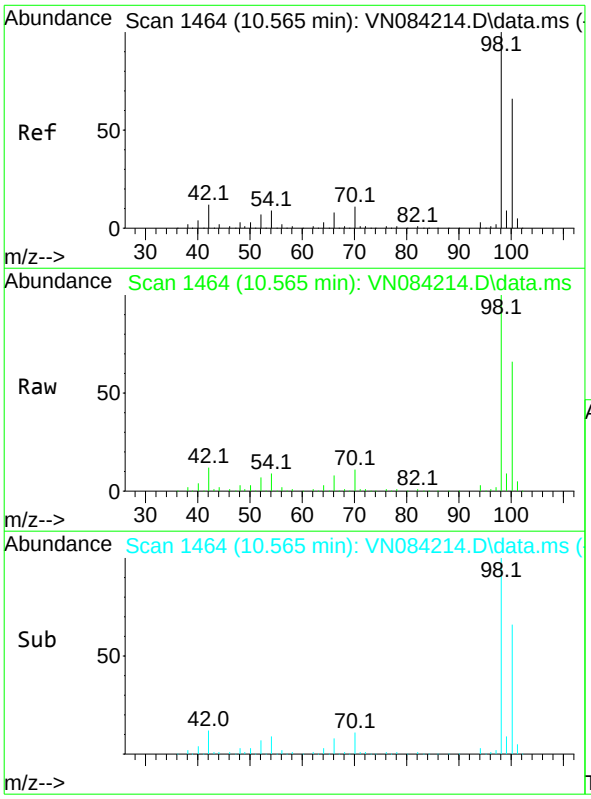
Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

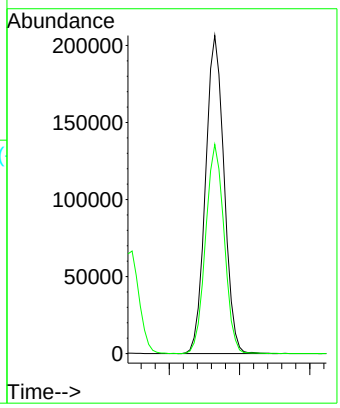
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

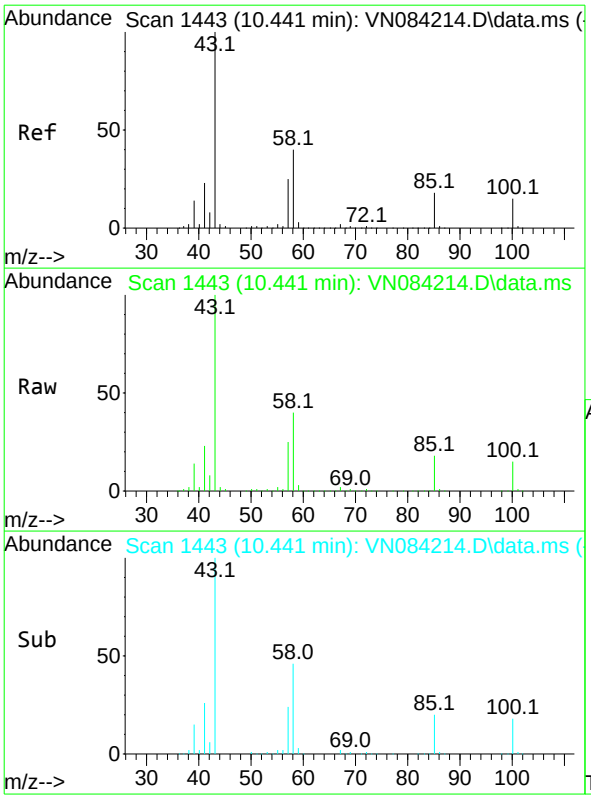


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

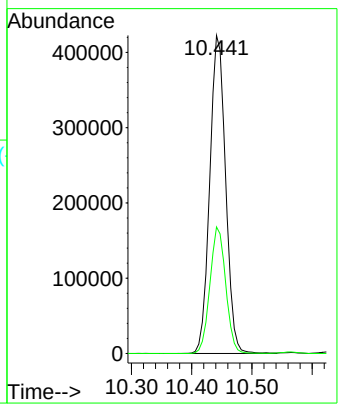




#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 772927

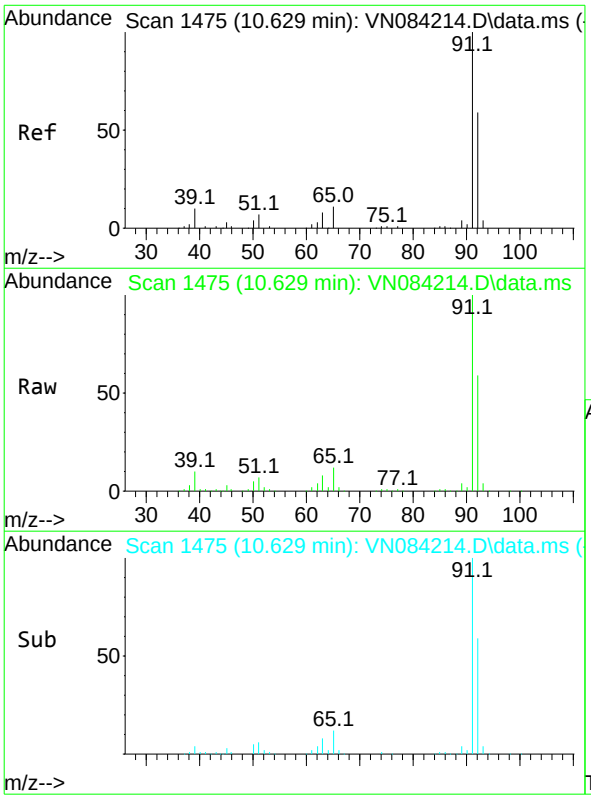
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

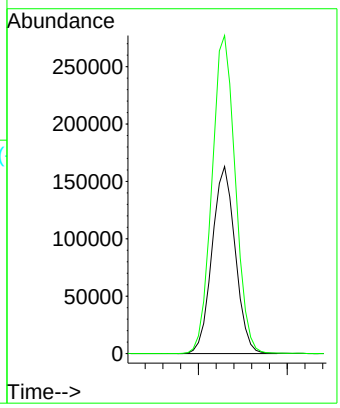
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

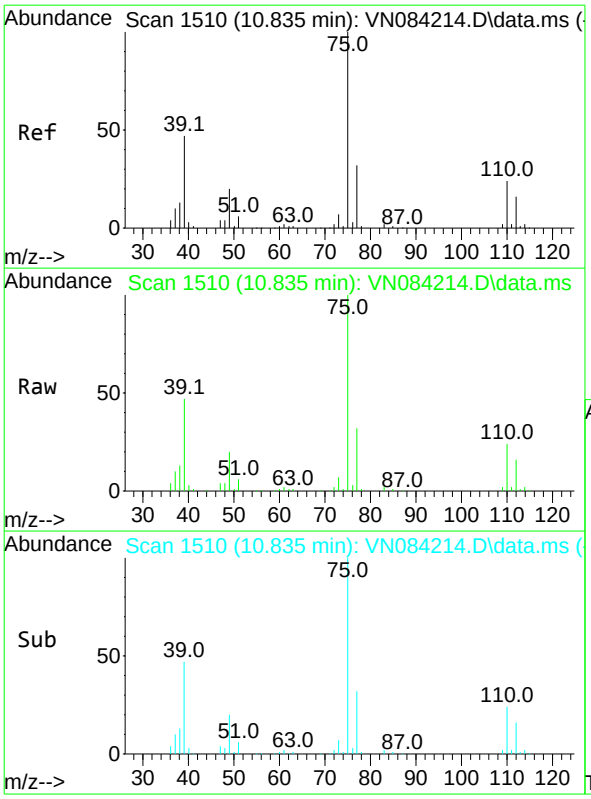


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9

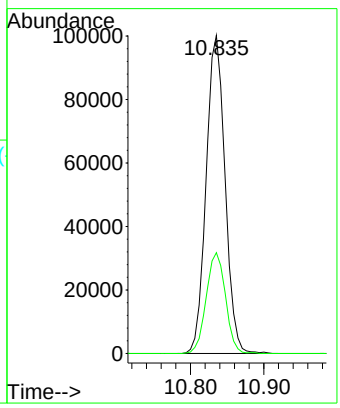




#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 179453

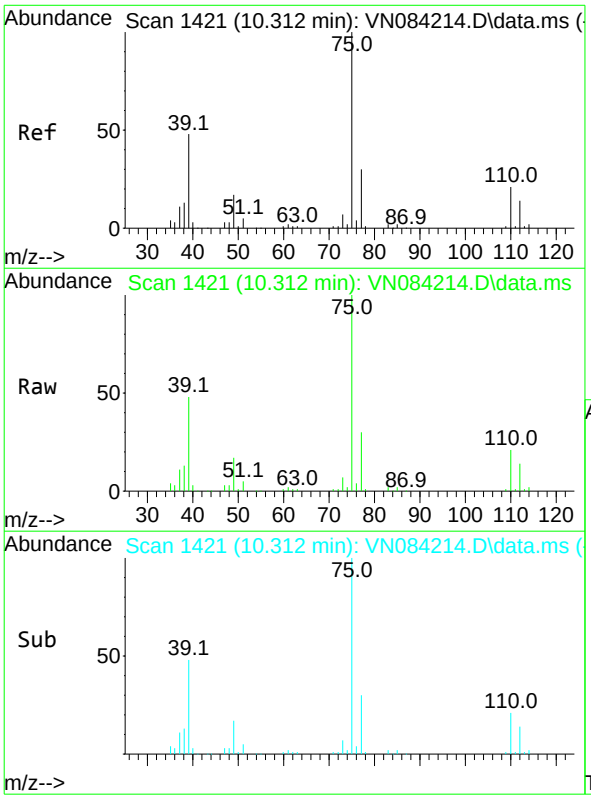
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

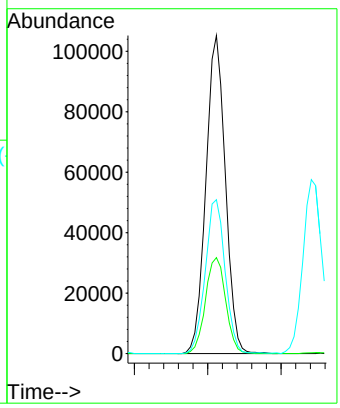
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

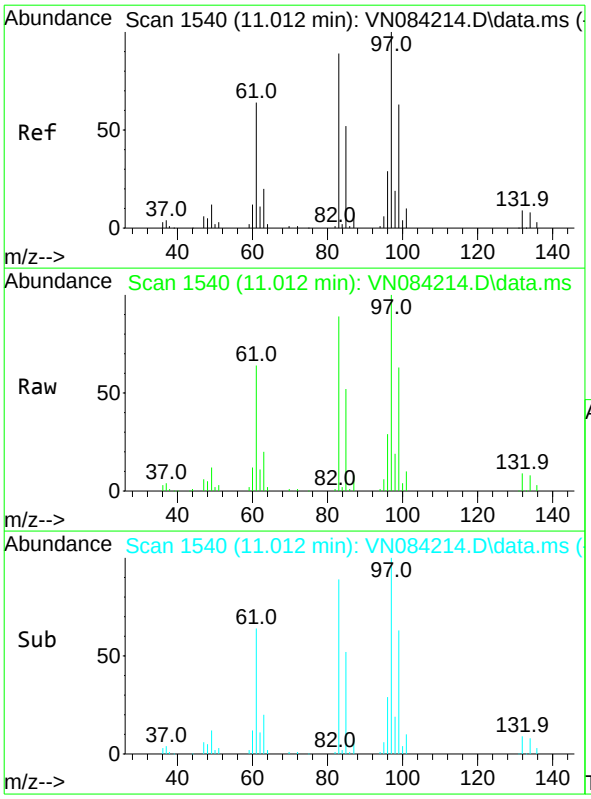


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

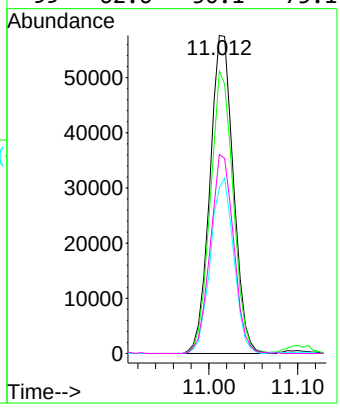




#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 106288

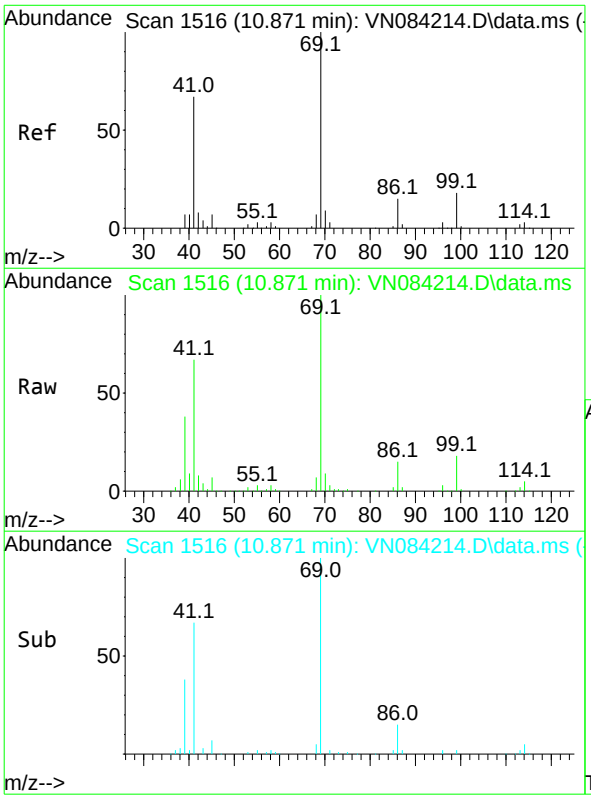
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	52.1	41.7	62.5
99	62.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

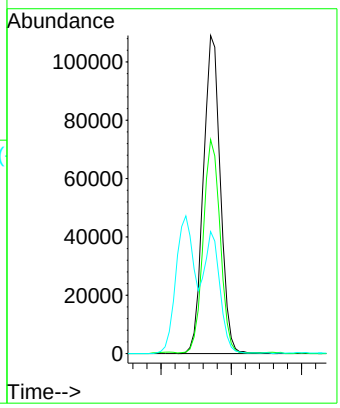
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

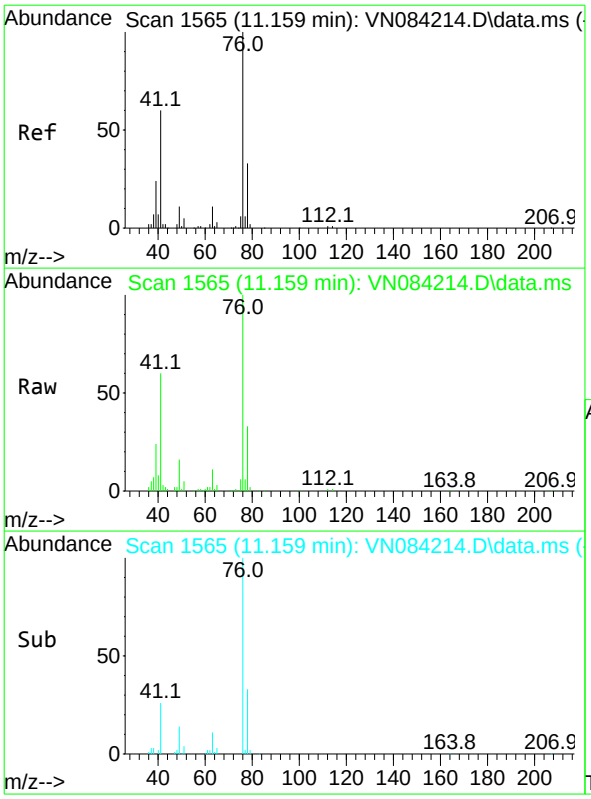


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

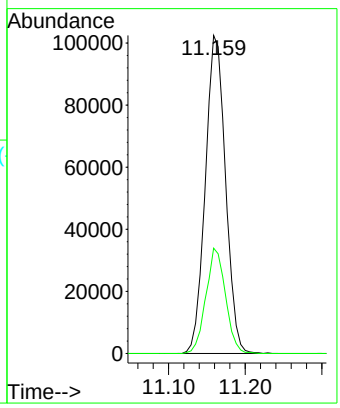




#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 187372

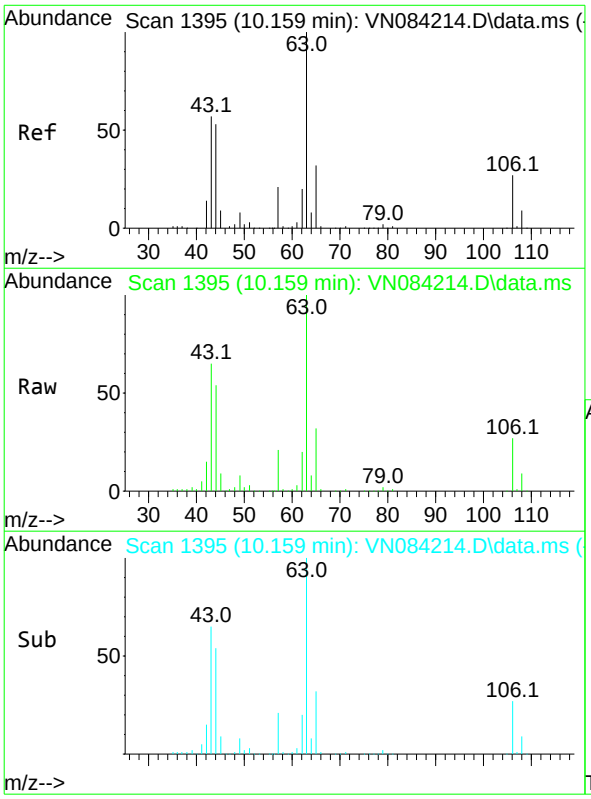
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

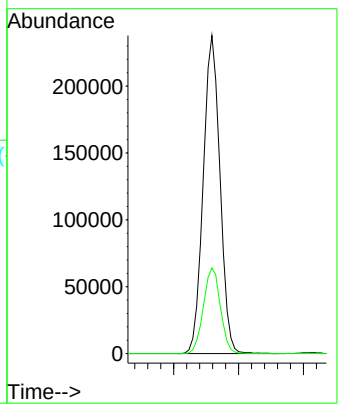
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

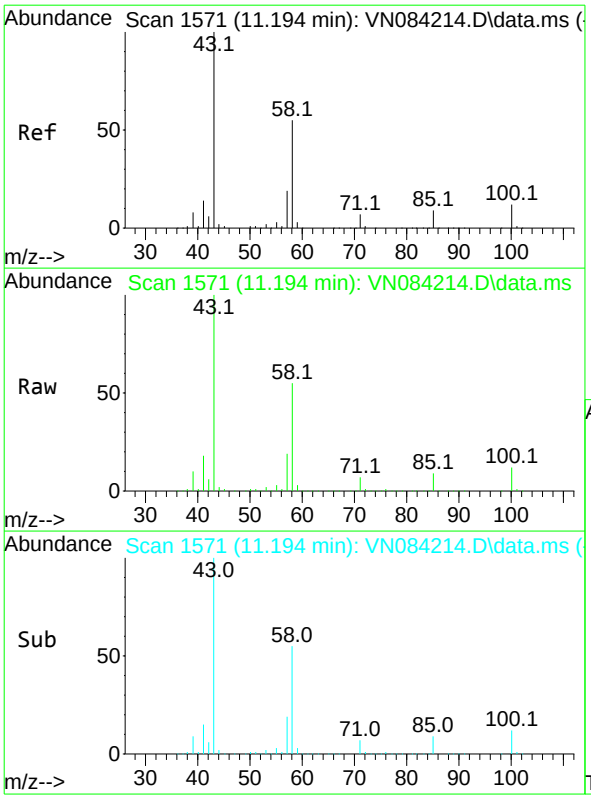


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6

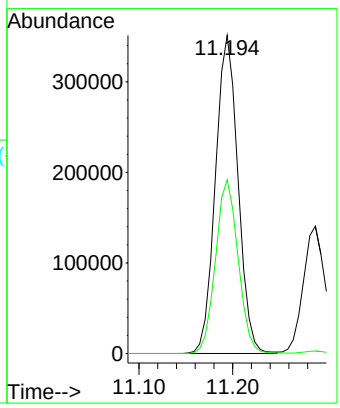




#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 588361

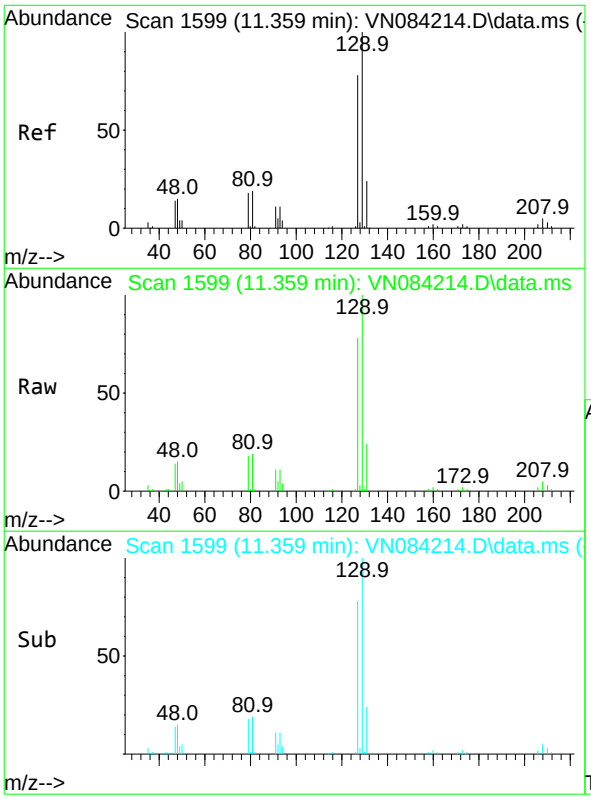
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

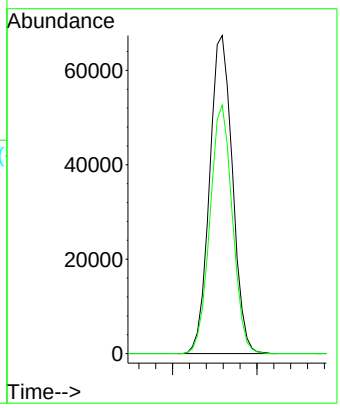
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

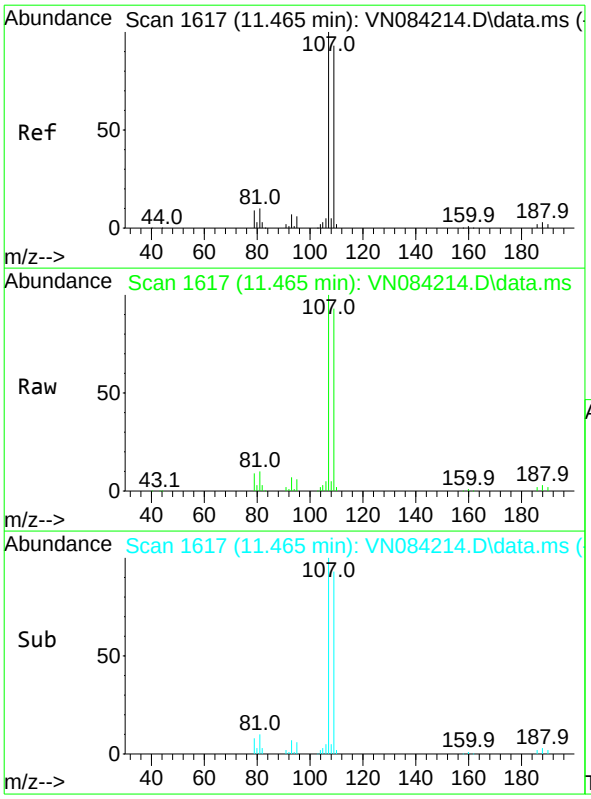


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

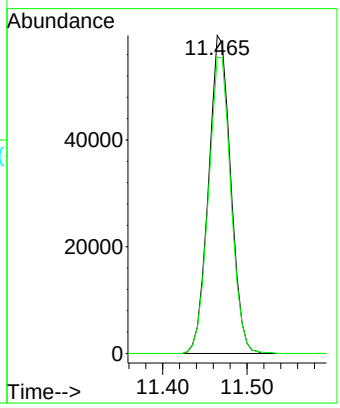




#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:107 Resp: 108817

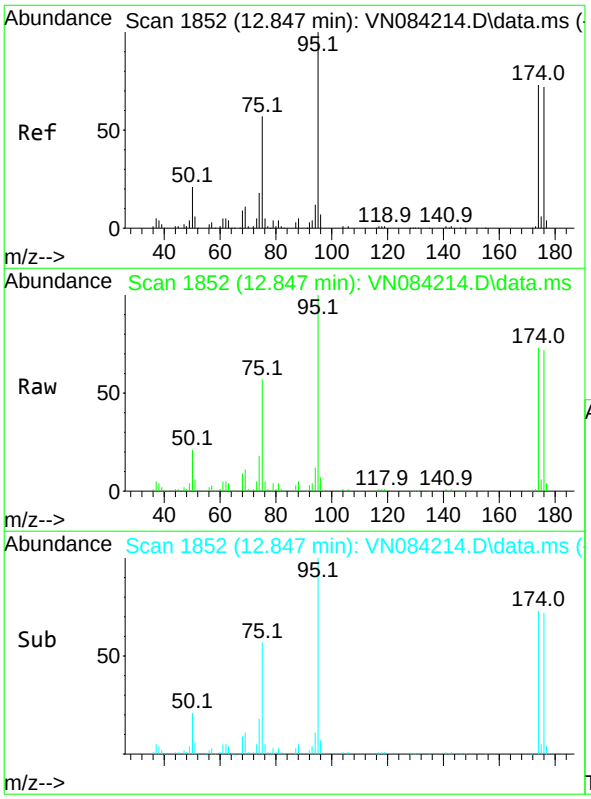
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

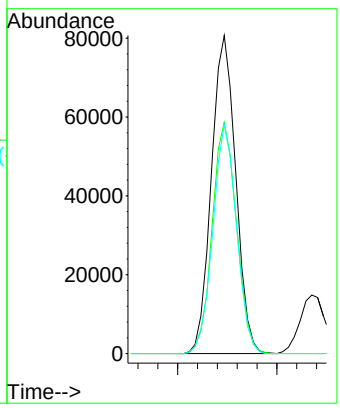
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

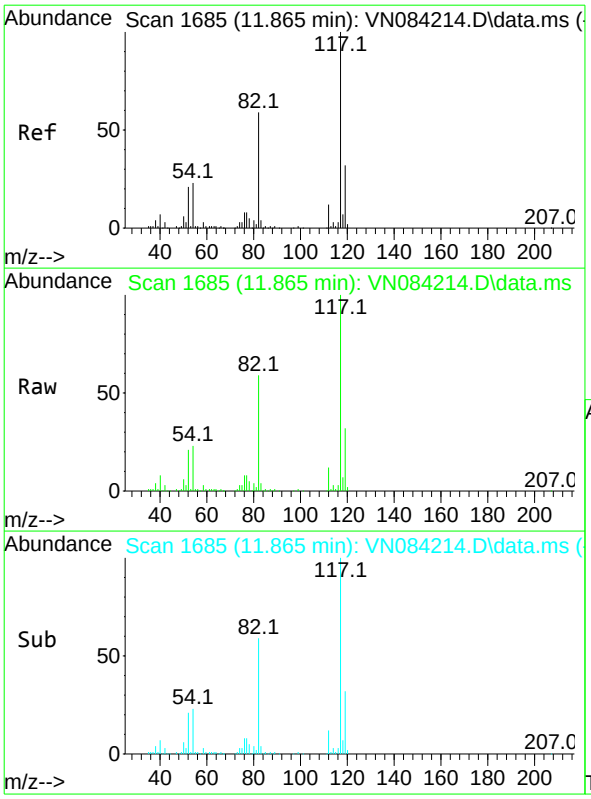


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

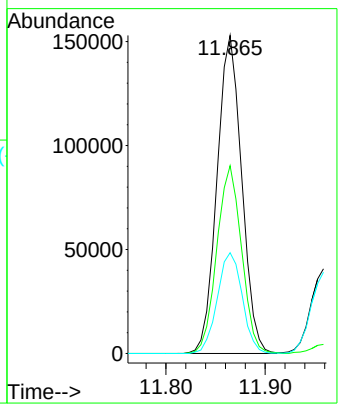




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 264820

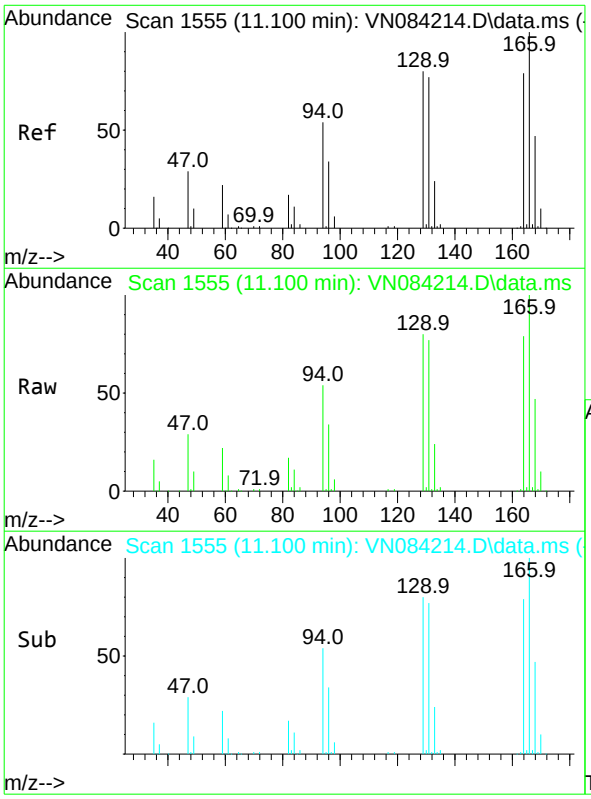
Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

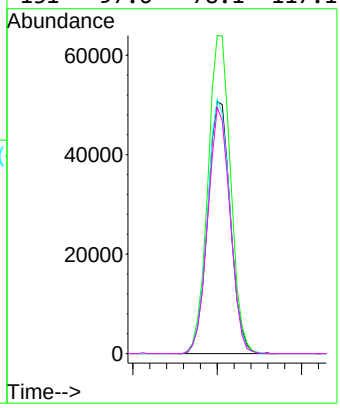
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

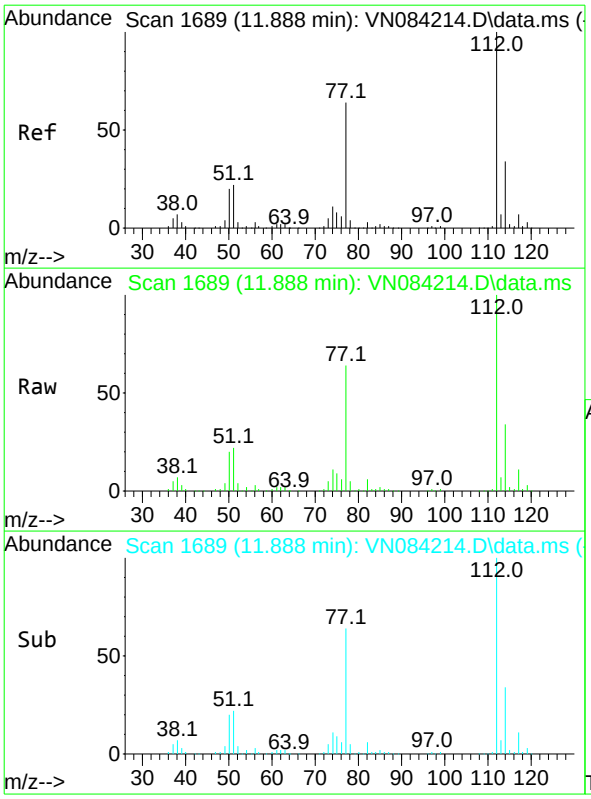


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

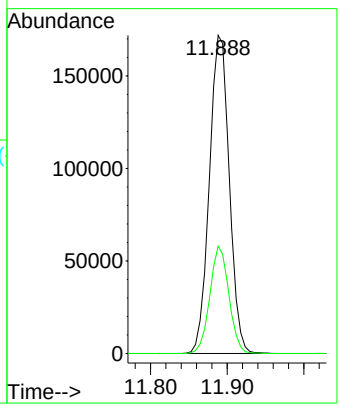




#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:112 Resp: 309849

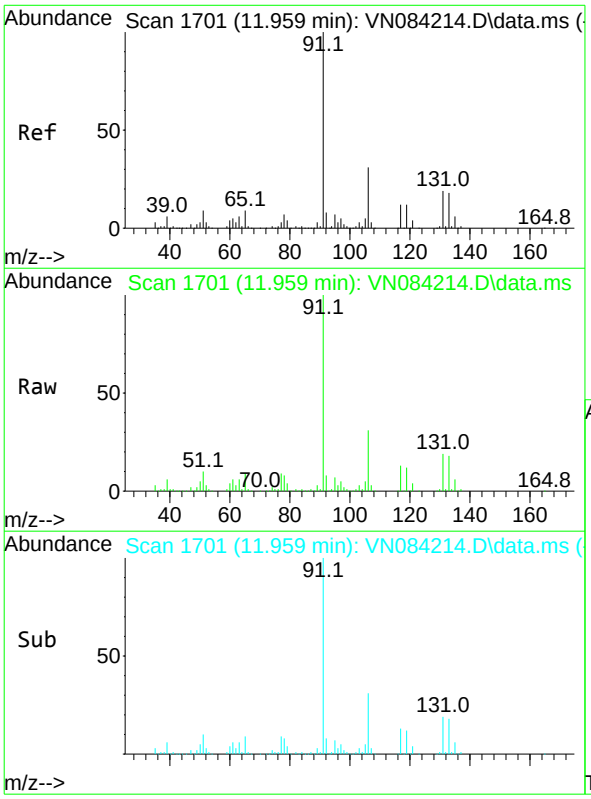
Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

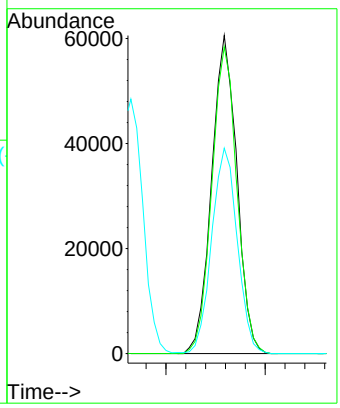
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

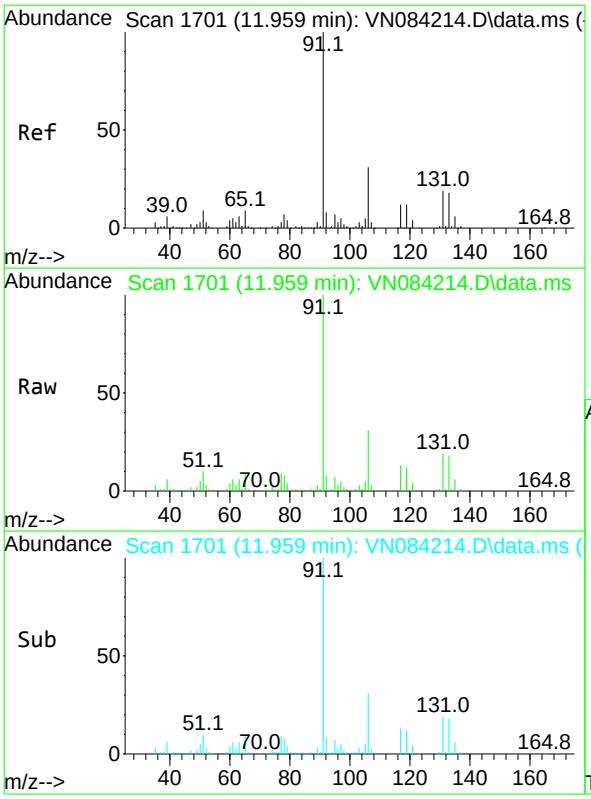


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

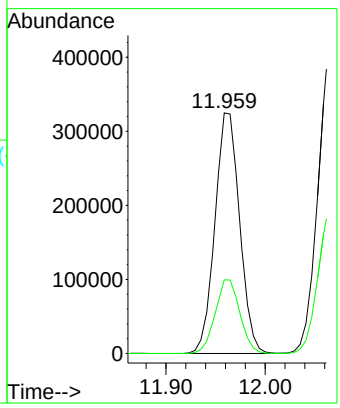




#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 561770

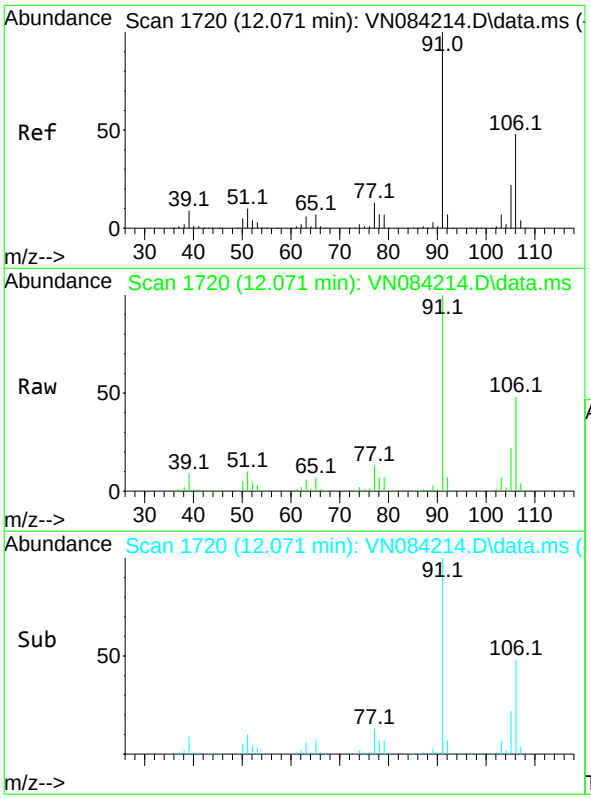
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

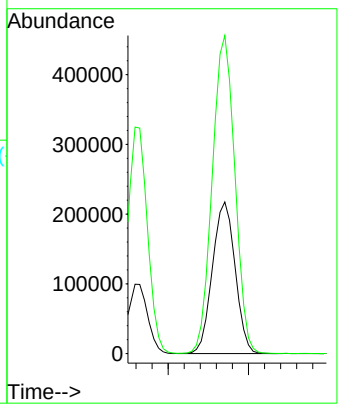
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

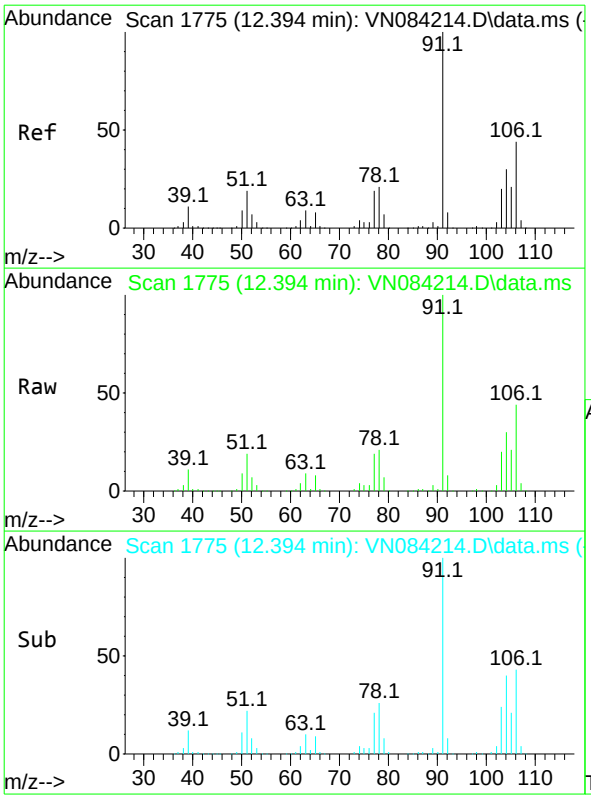


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7

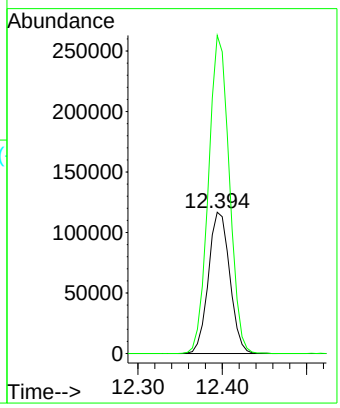




#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 204854

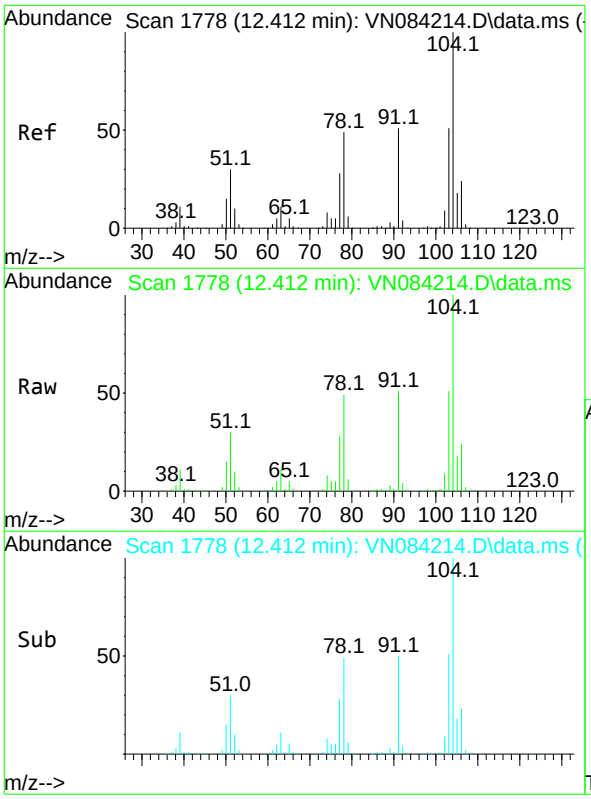
Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

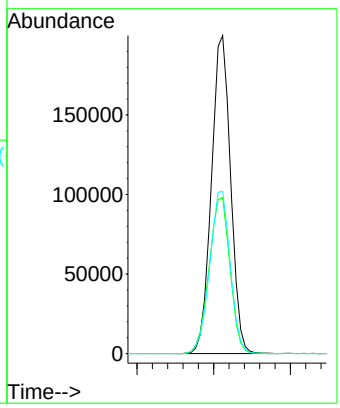
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

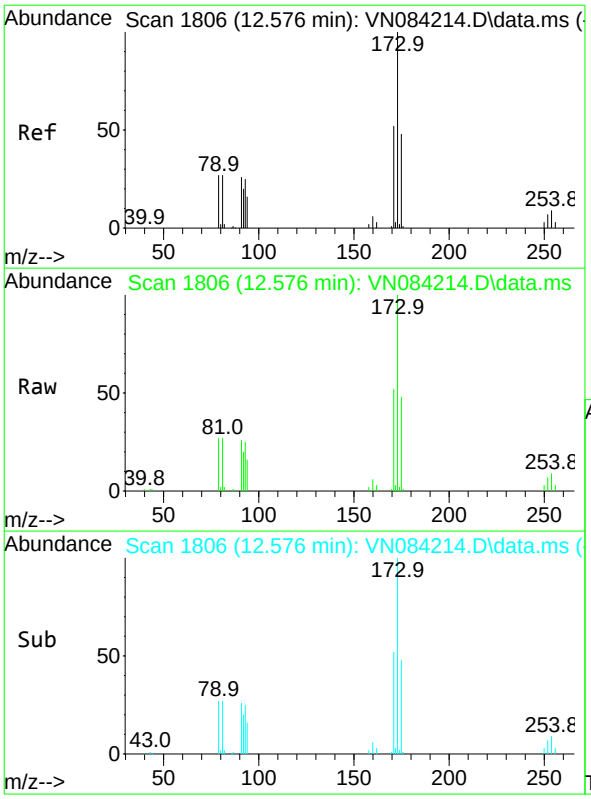


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

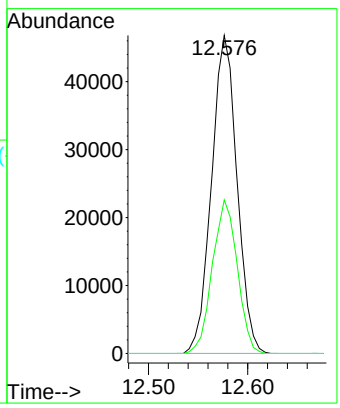




#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:173 Resp: 83487

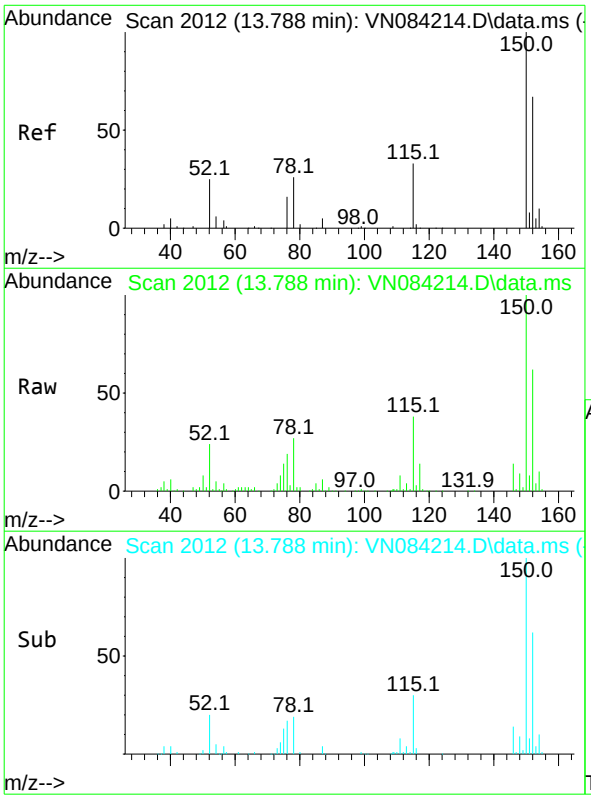
Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

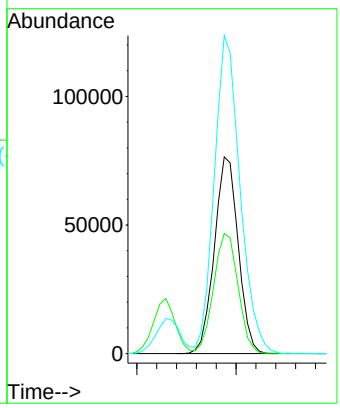
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

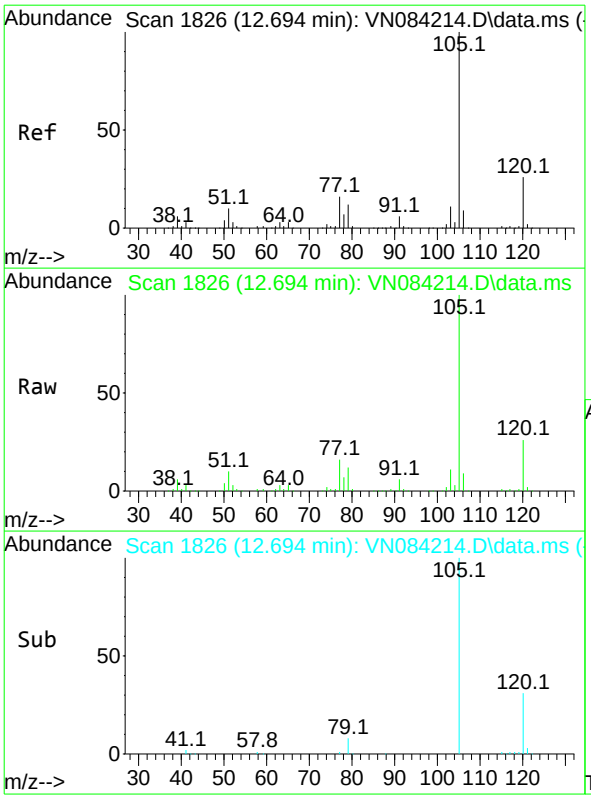


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

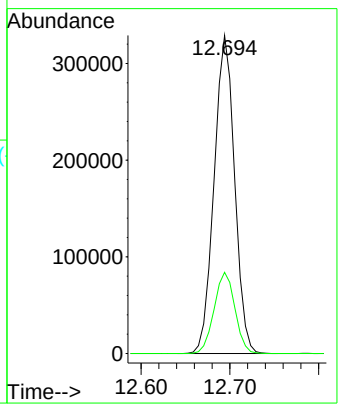




#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 527625

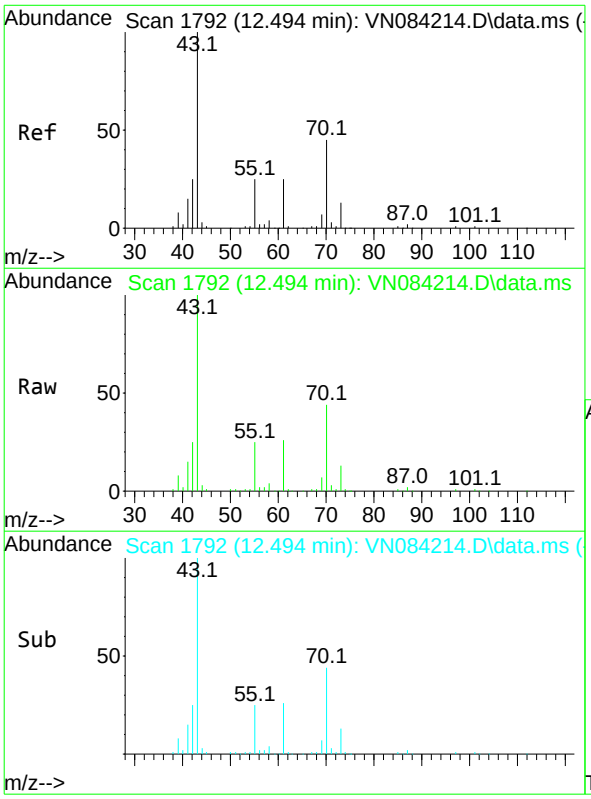
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

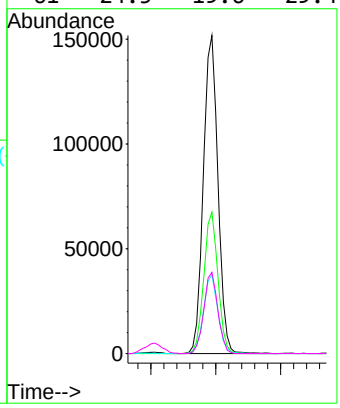
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

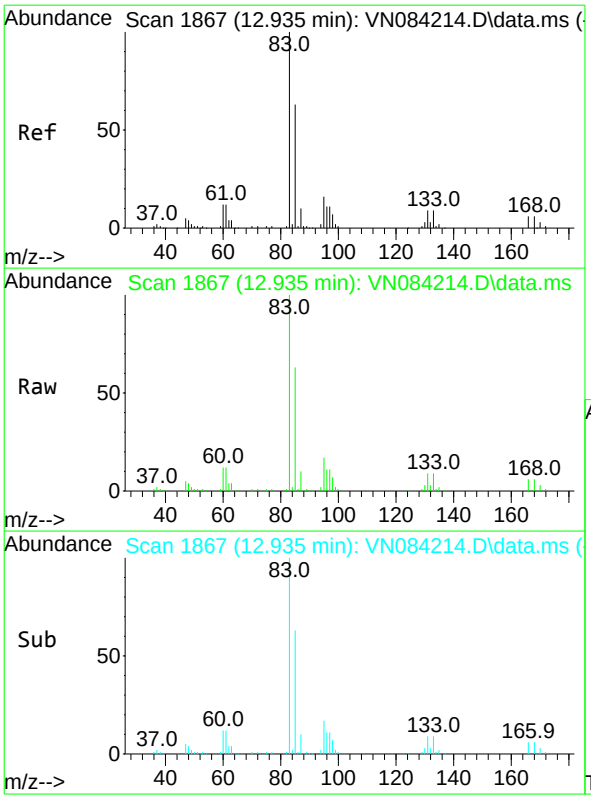


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

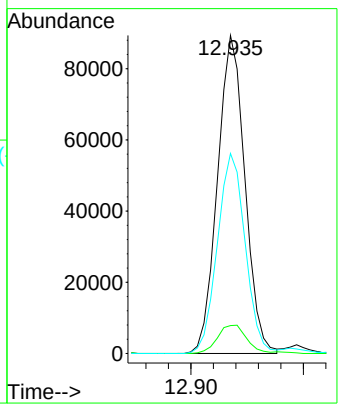




#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 151079

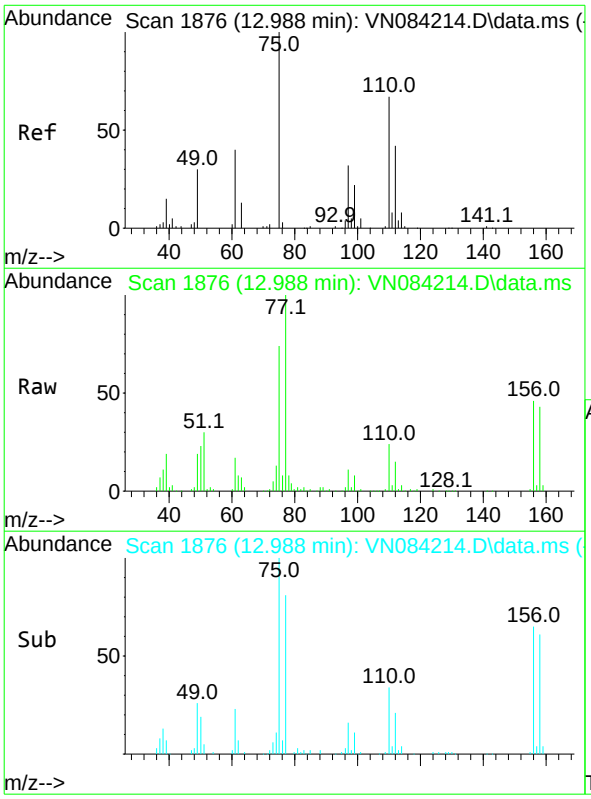
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

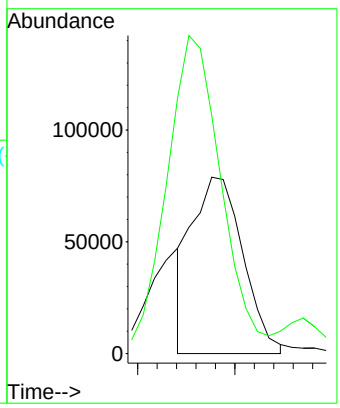
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

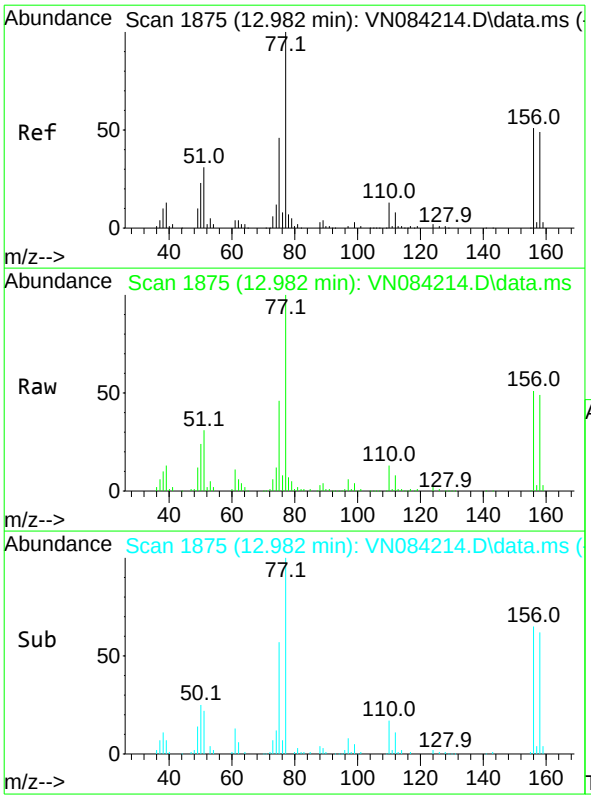


#76
1,2,3-Trichloropropane
Concen: 56.449 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 143676

Ion	Ratio	Lower	Upper
75	100		
77	193.8	96.9	290.7

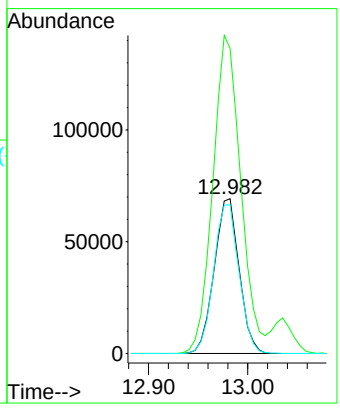




#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:156 Resp: 120918

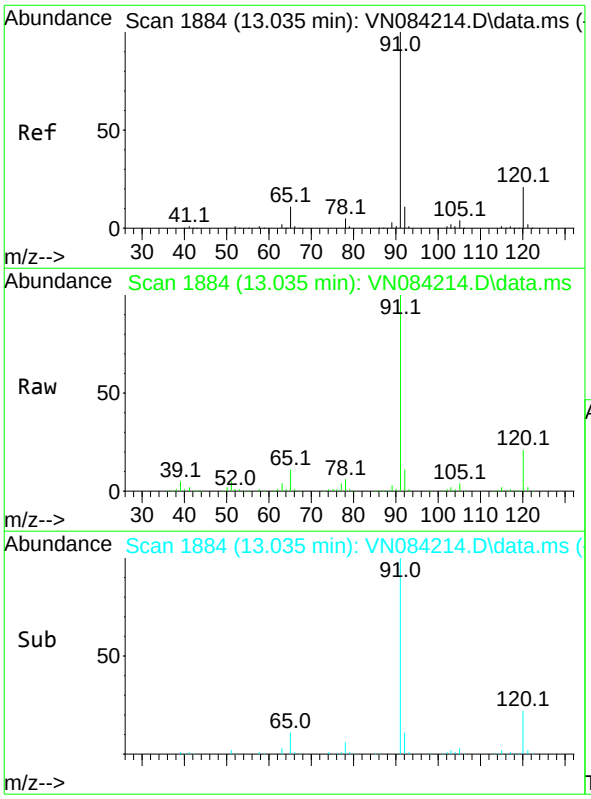
Ion	Ratio	Lower	Upper
156	100		
77	230.2	115.1	345.3
158	97.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

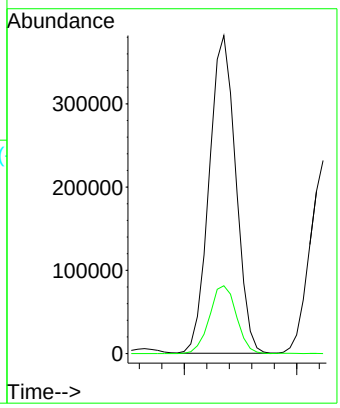
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

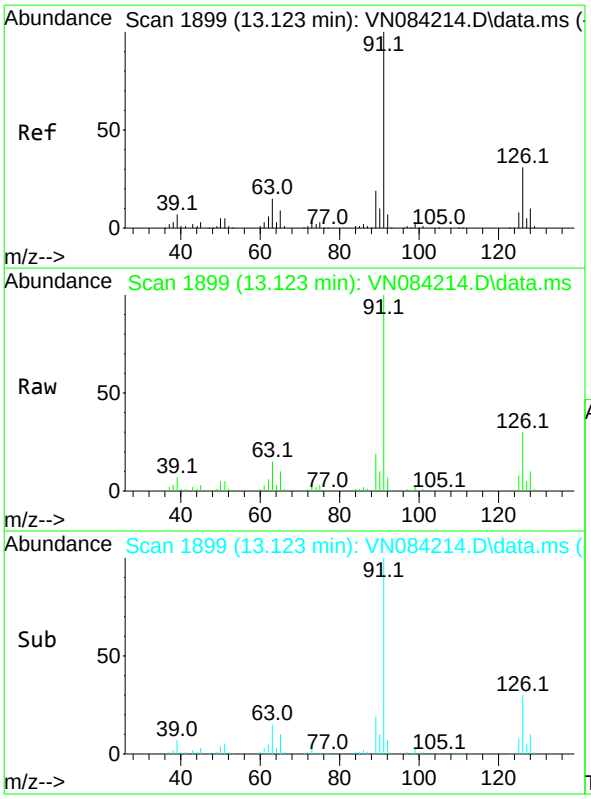


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

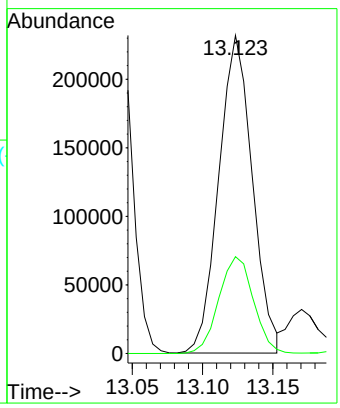




#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 384795

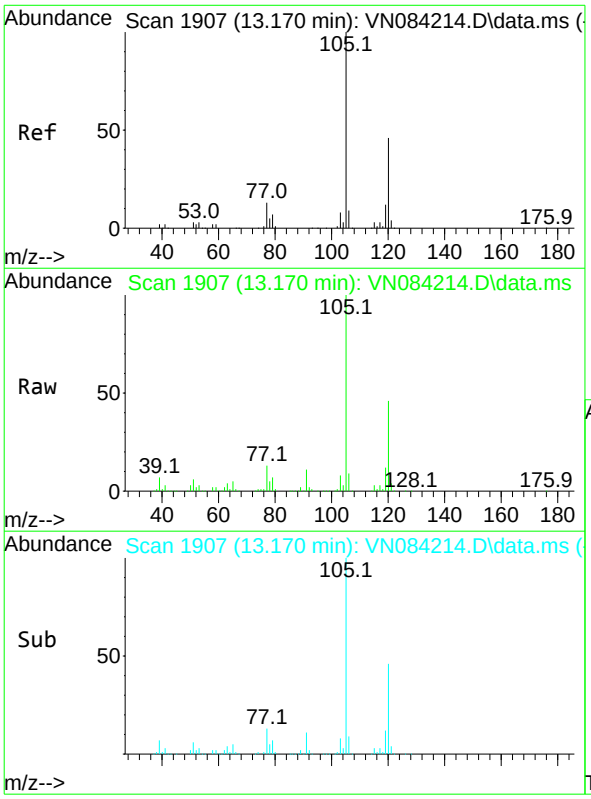
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

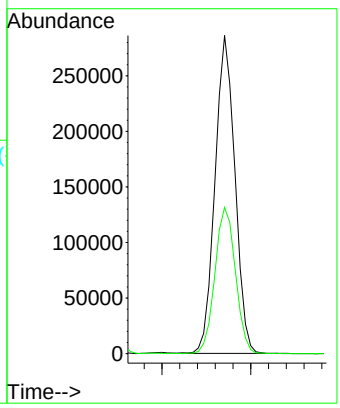
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

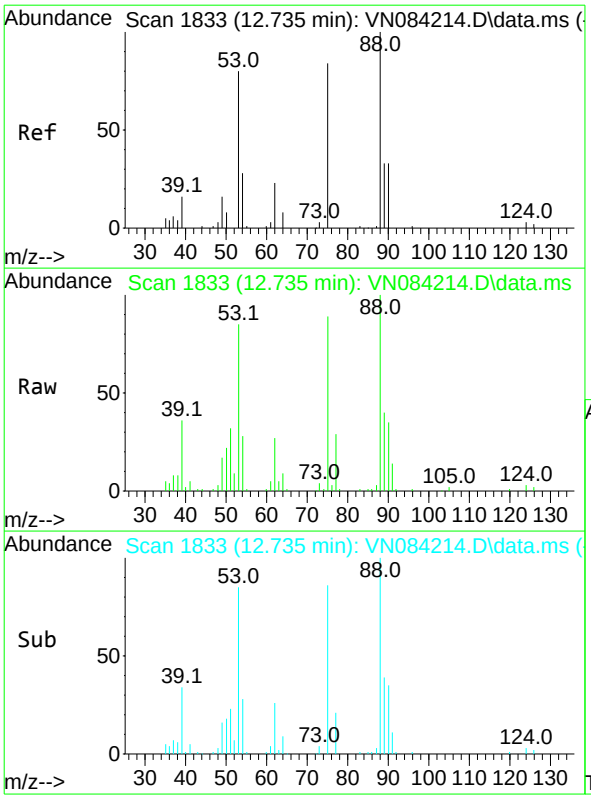


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

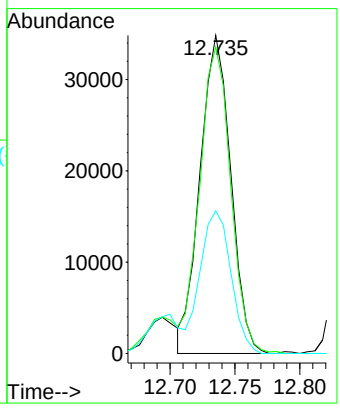




#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 57572

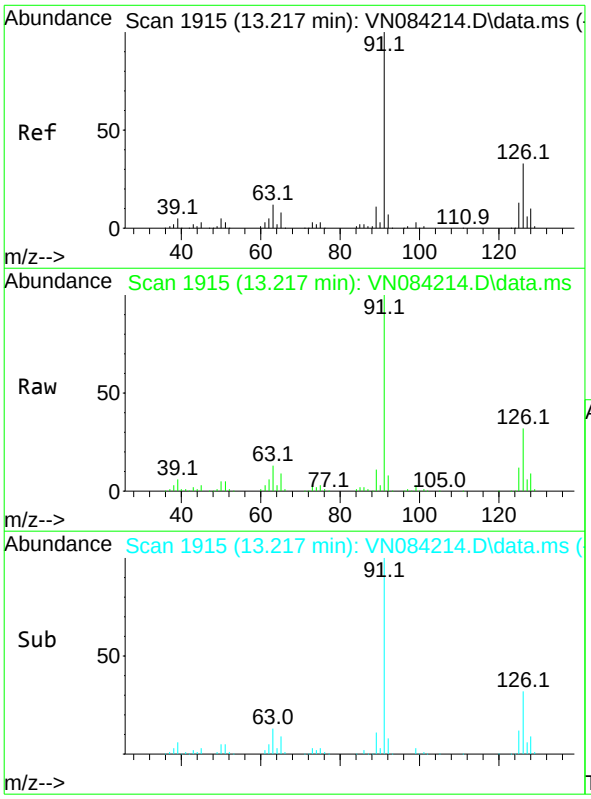
Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

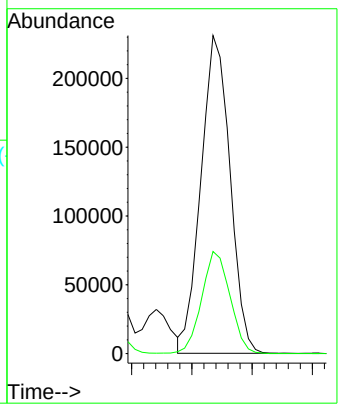
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

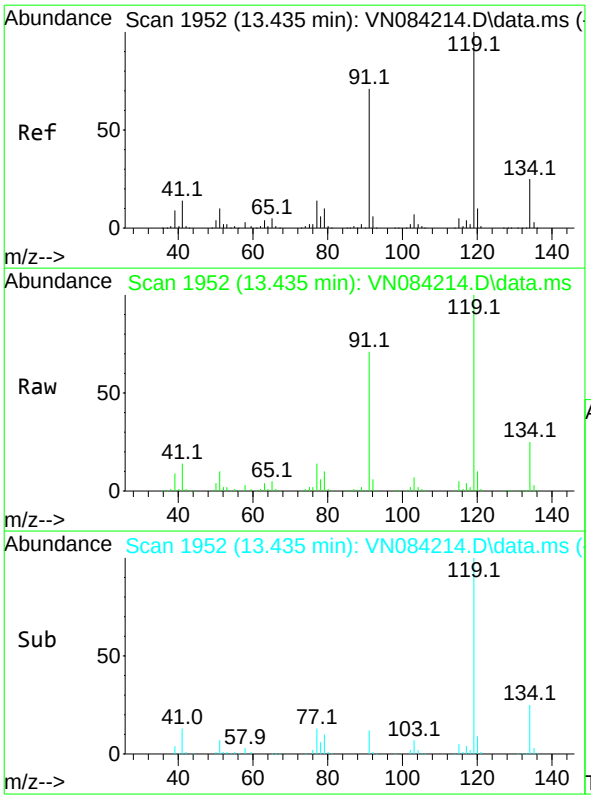


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

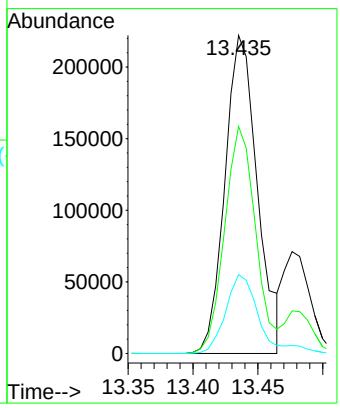




#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 386532

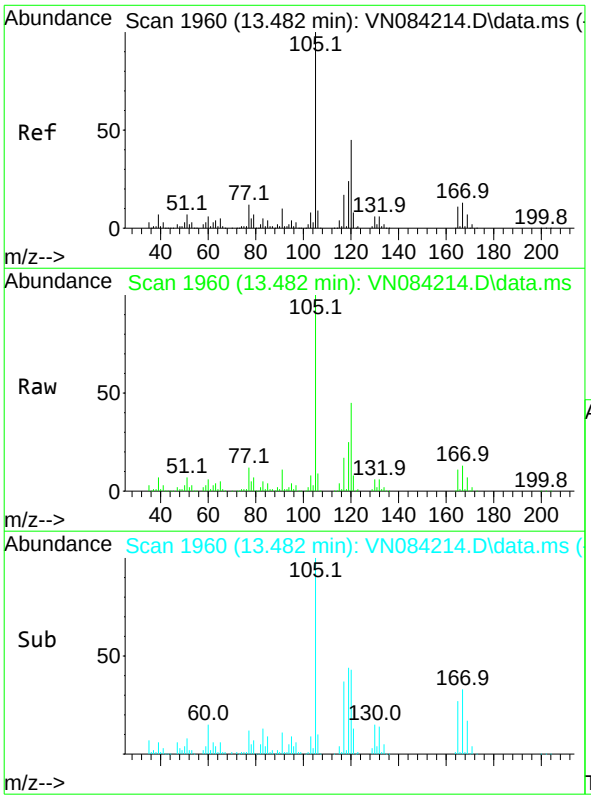
Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

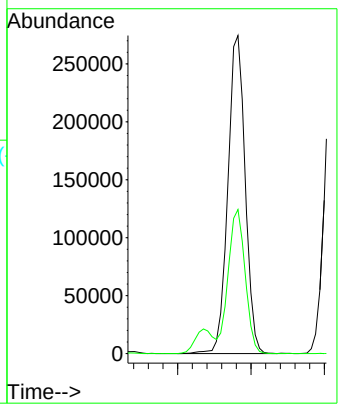
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

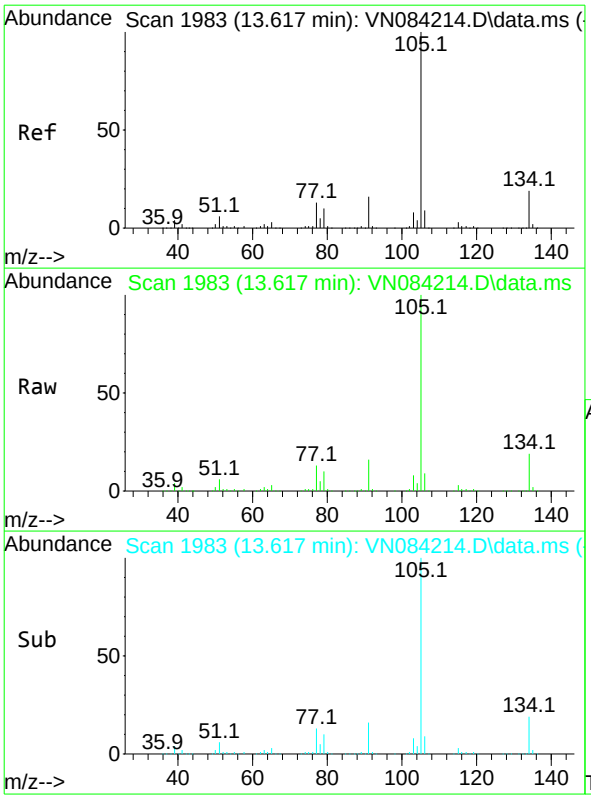


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8

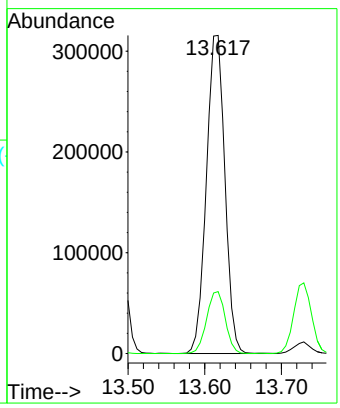




#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 529076

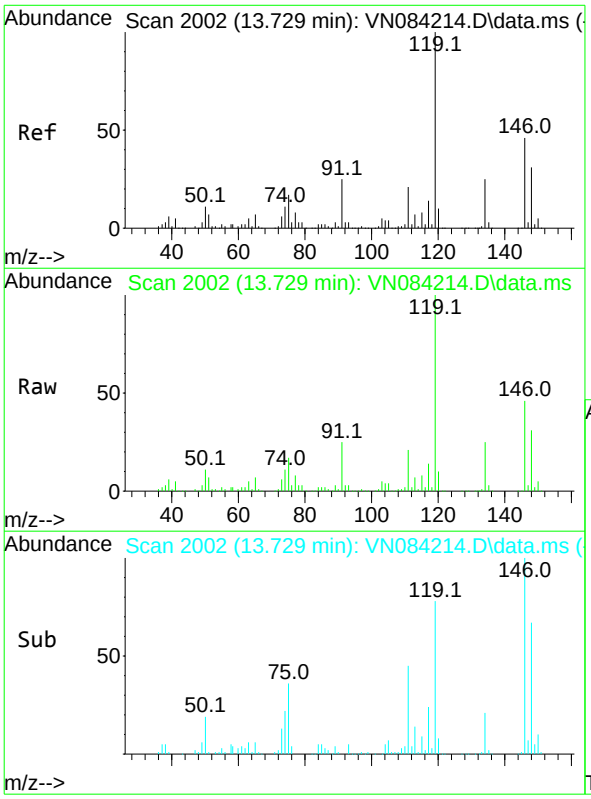
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

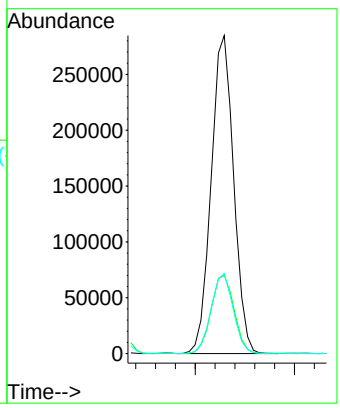
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

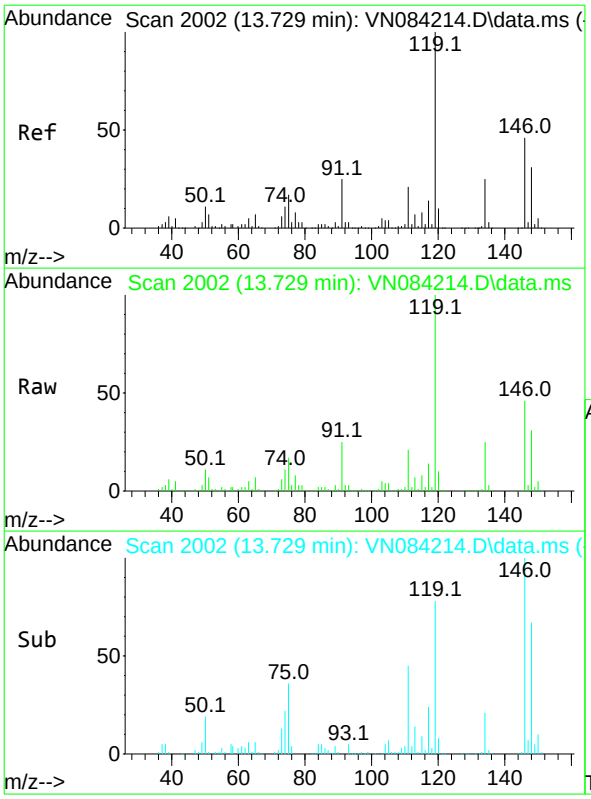


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

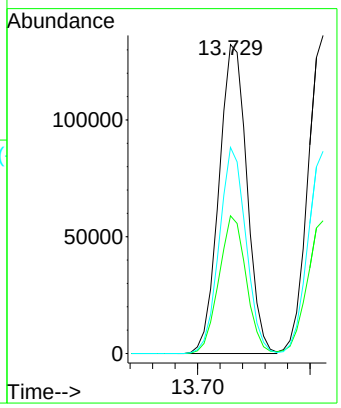




#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 228219

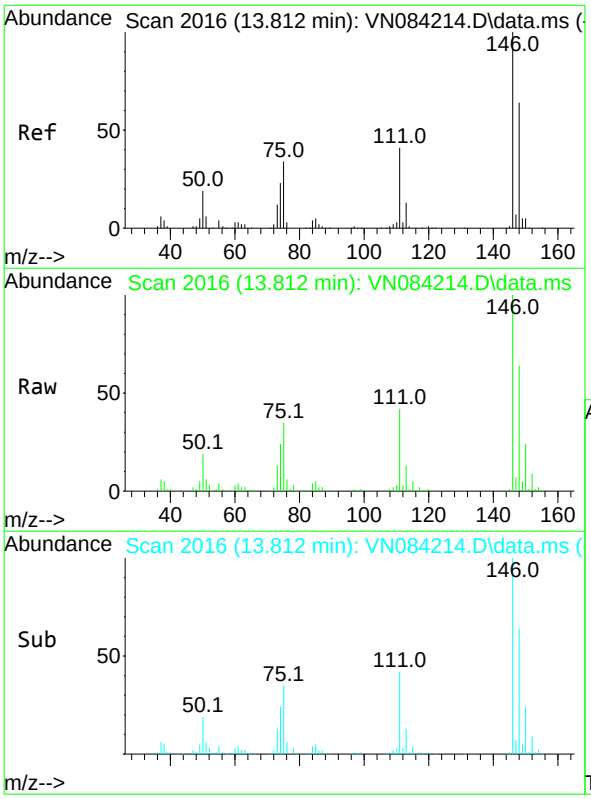
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

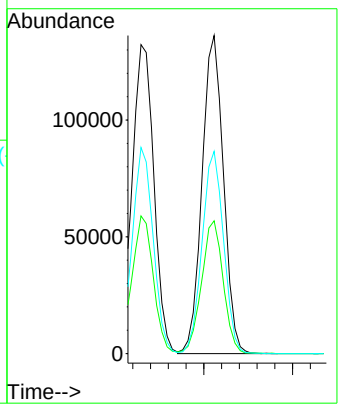
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

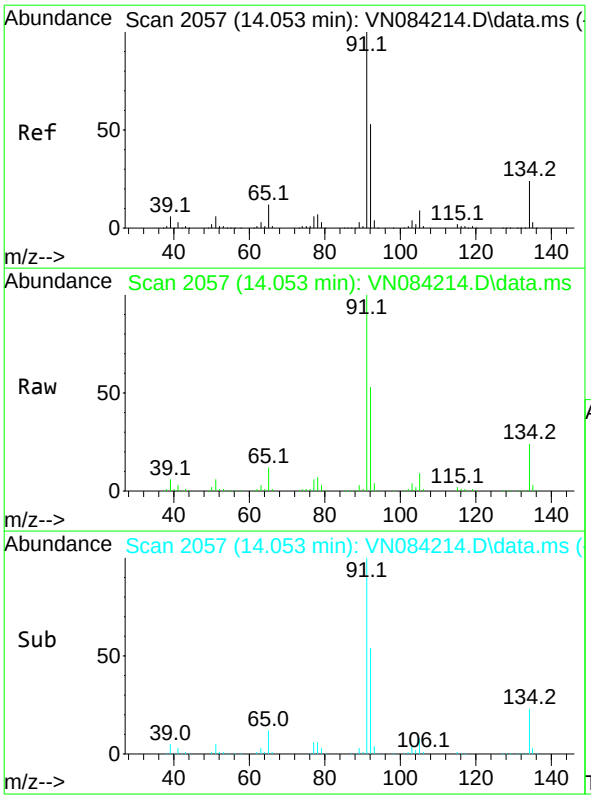


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

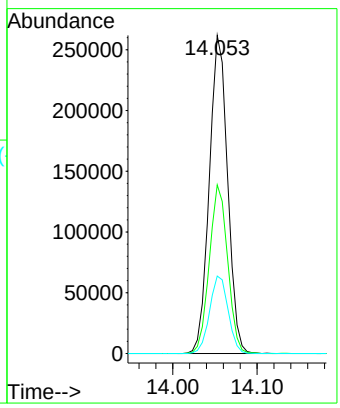




#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 394831

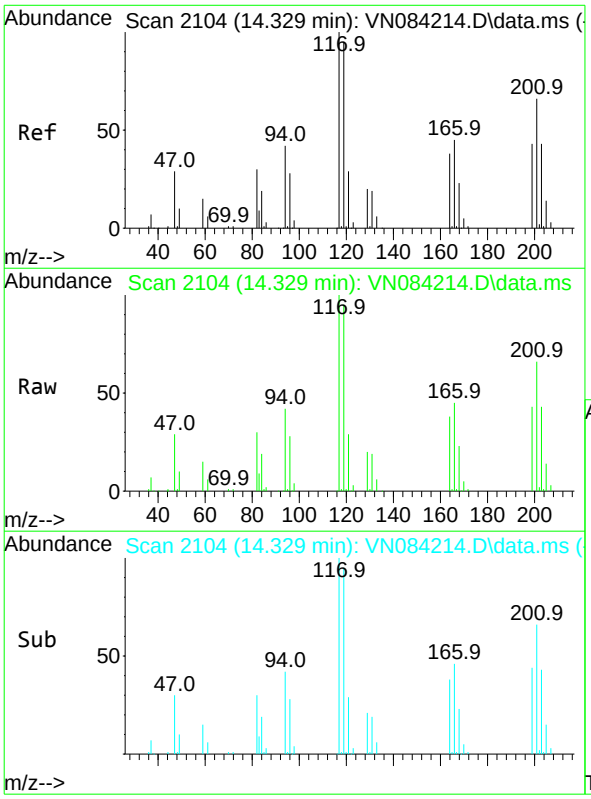
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

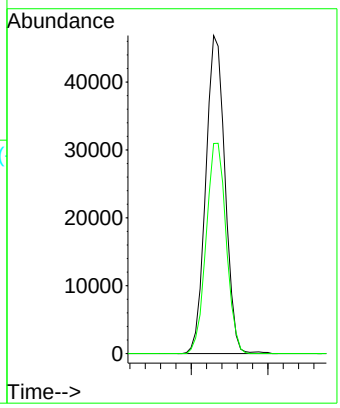
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

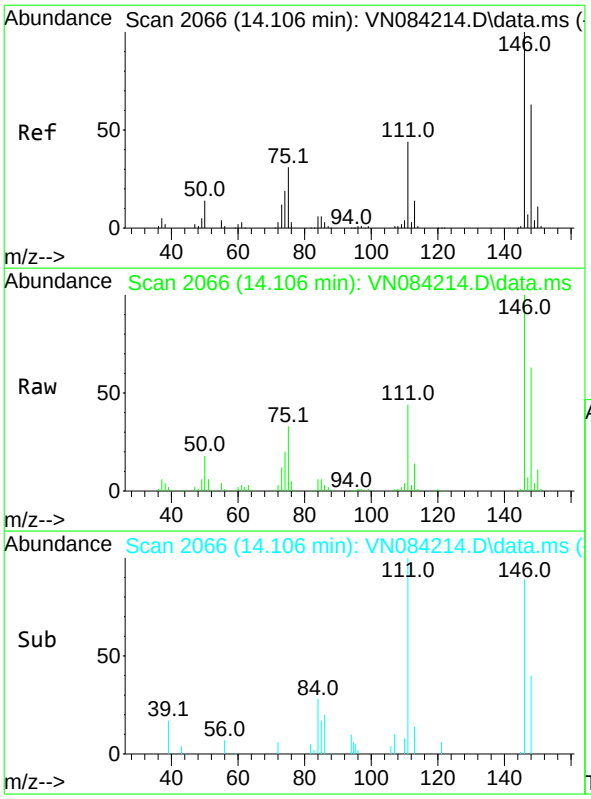


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2

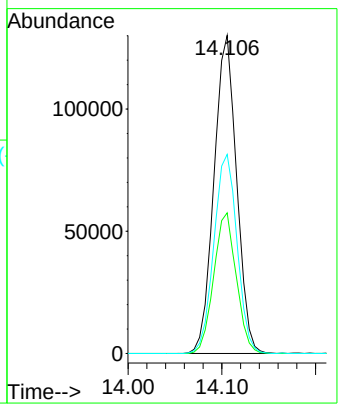




#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 218378

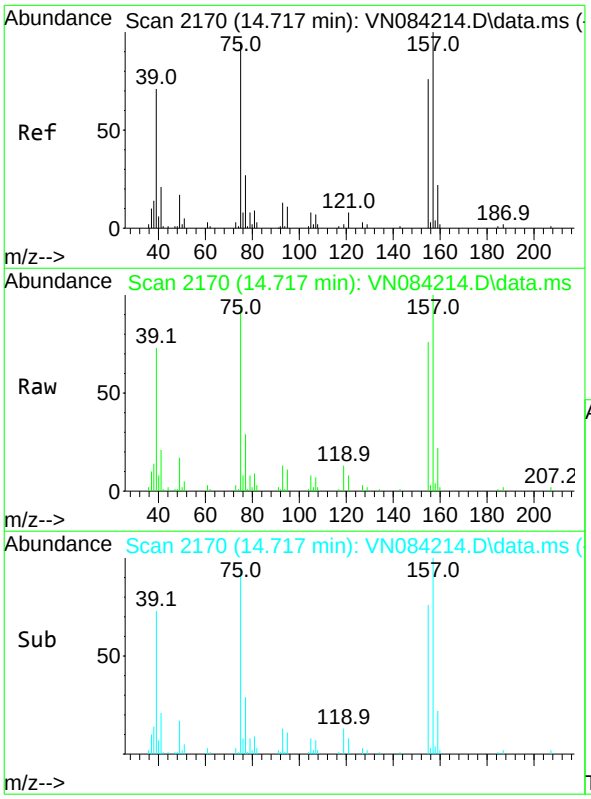
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

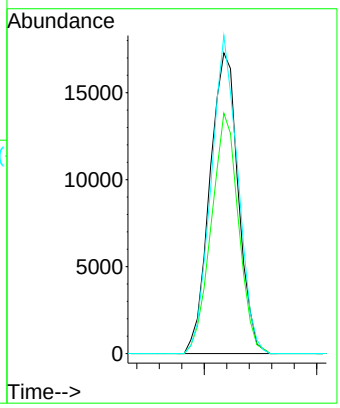
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

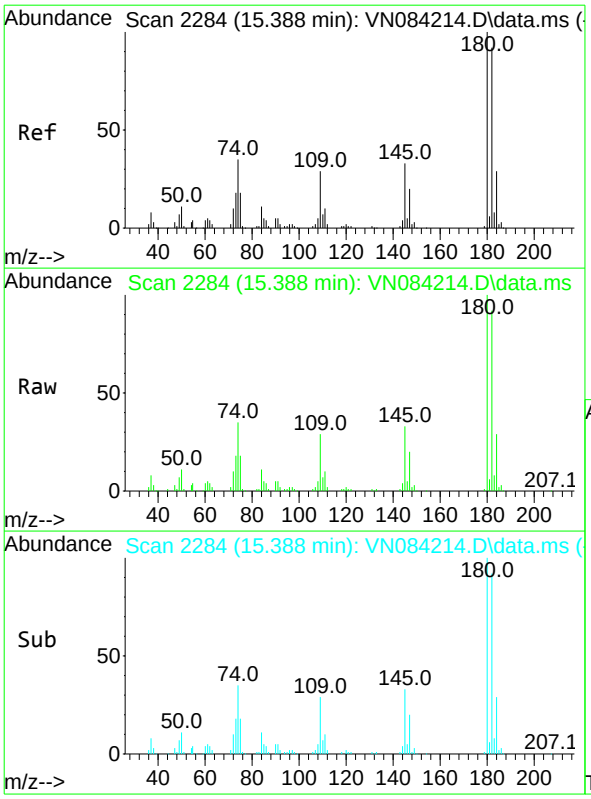


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

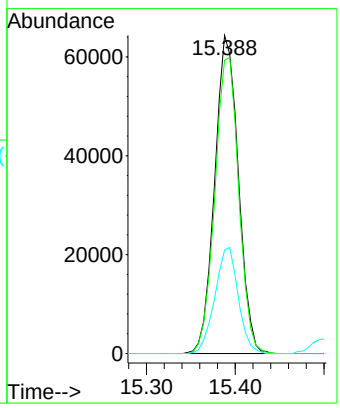




#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 119164

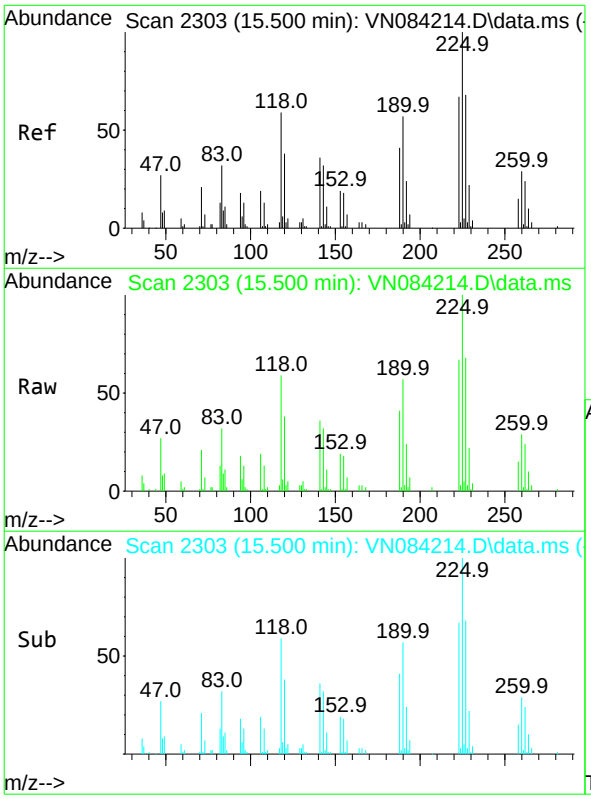
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

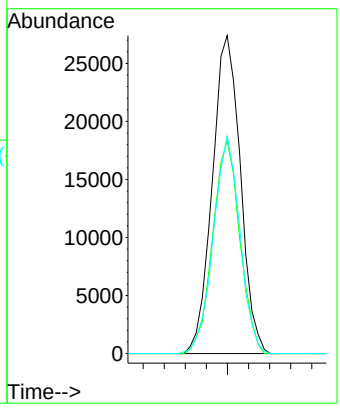
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

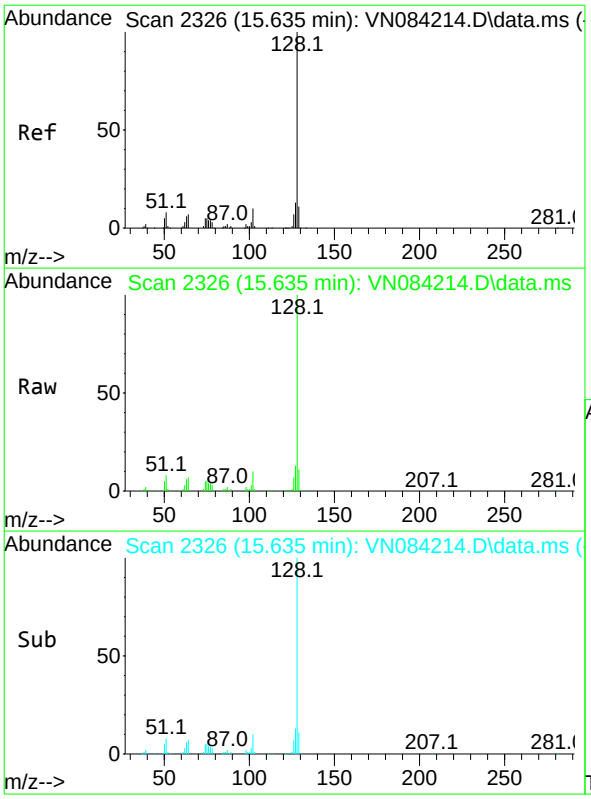


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

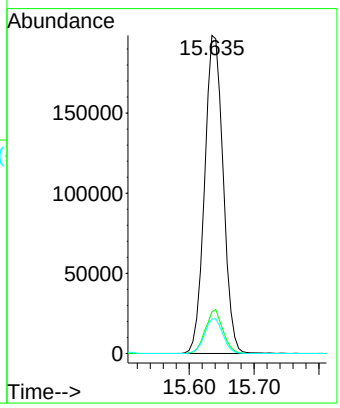




#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:128 Resp: 393177

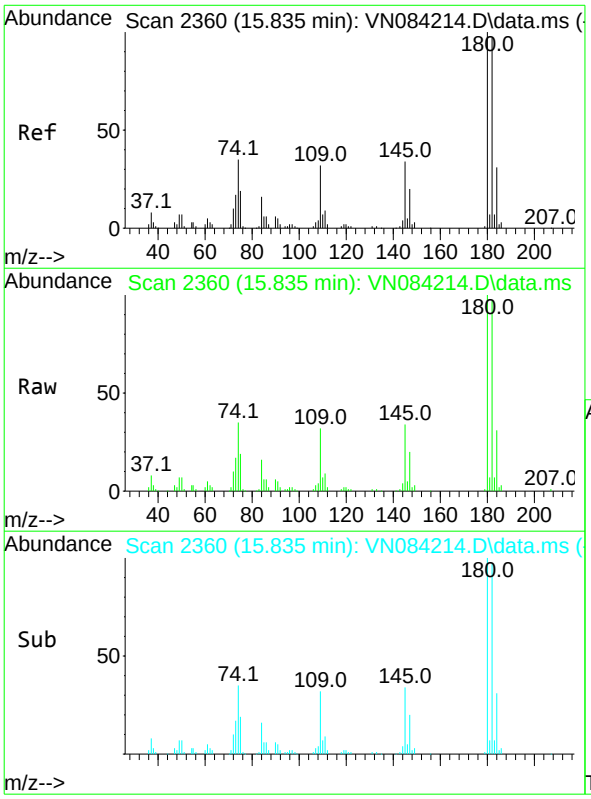
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

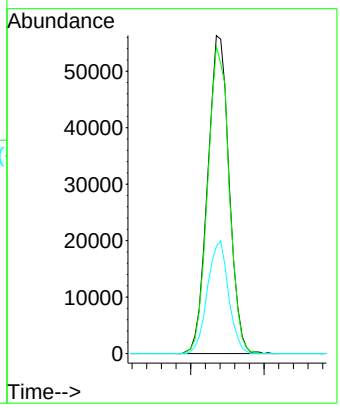
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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

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

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

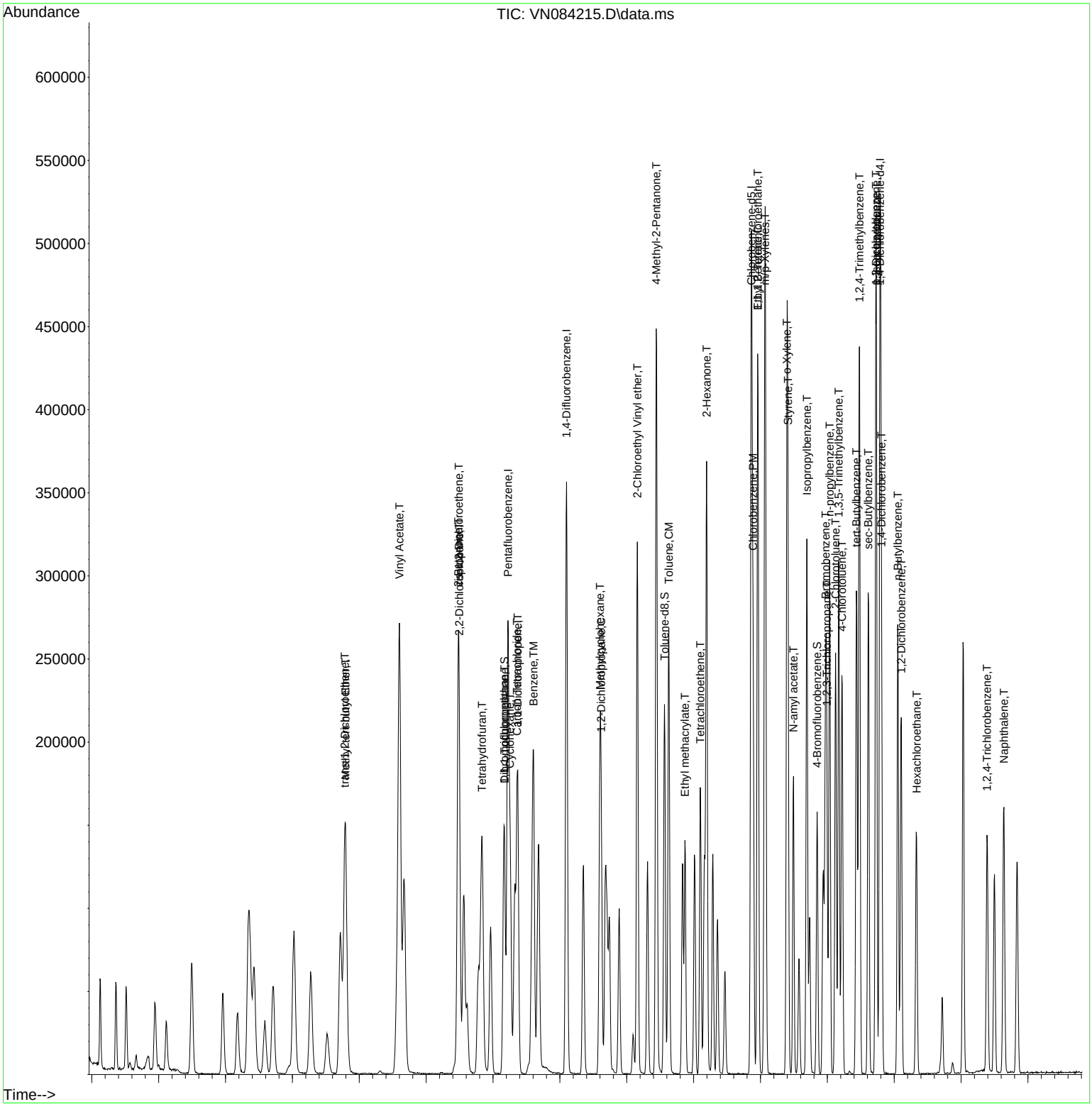
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Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
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ALS Vial : 6 Sample Multiplier: 1

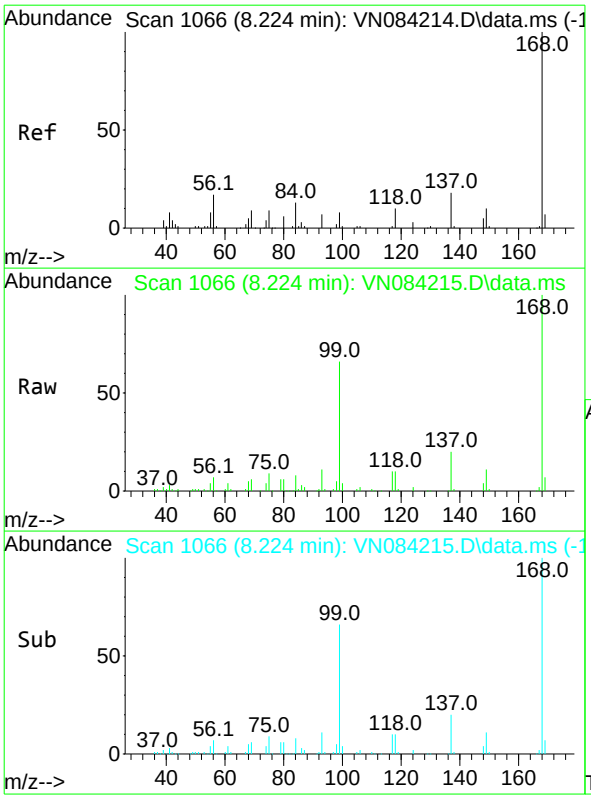
Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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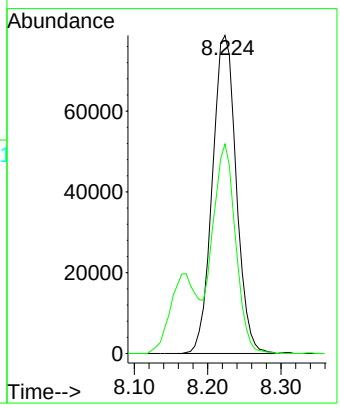




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:168 Resp: 178087

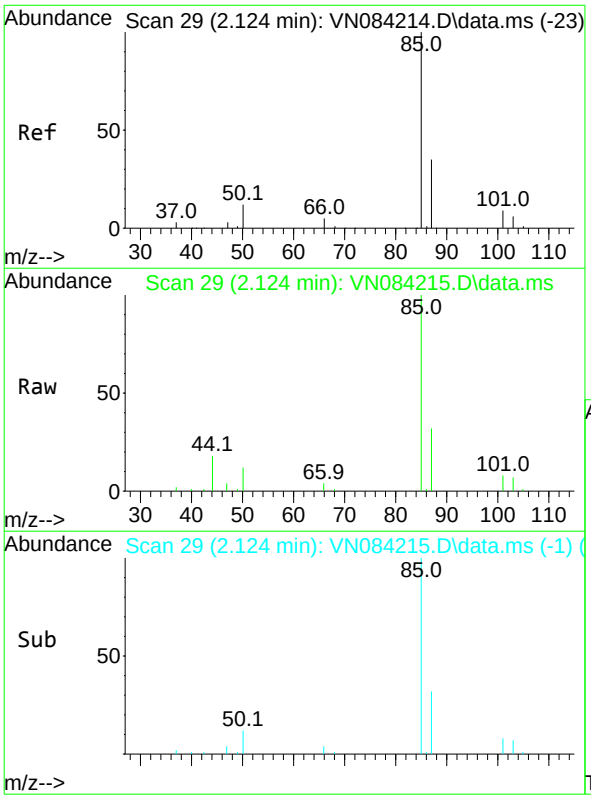
Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

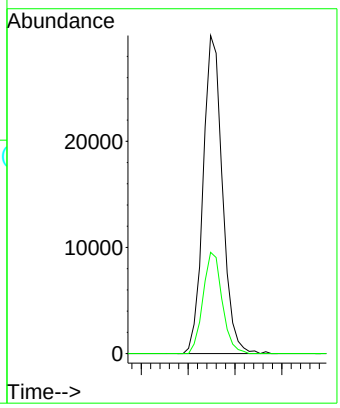
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

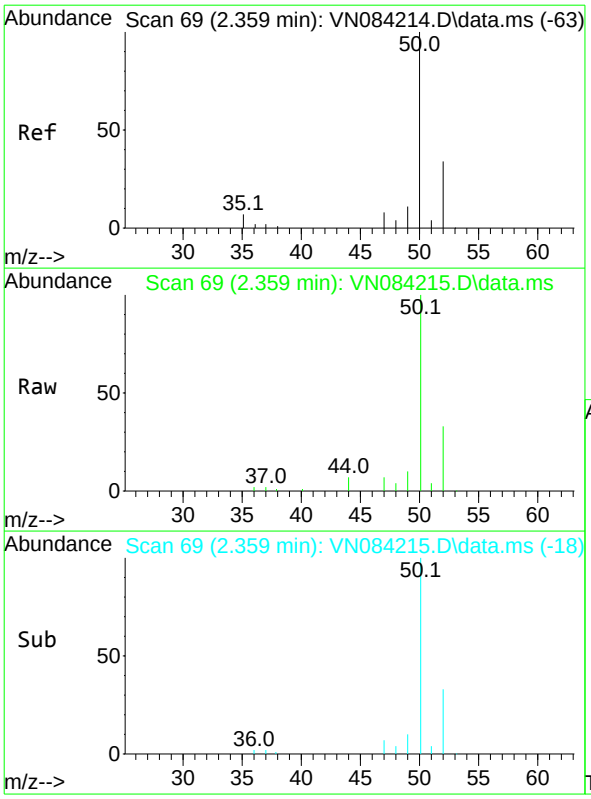


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

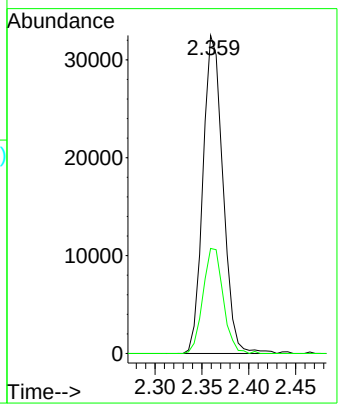




#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 50 Resp: 48218

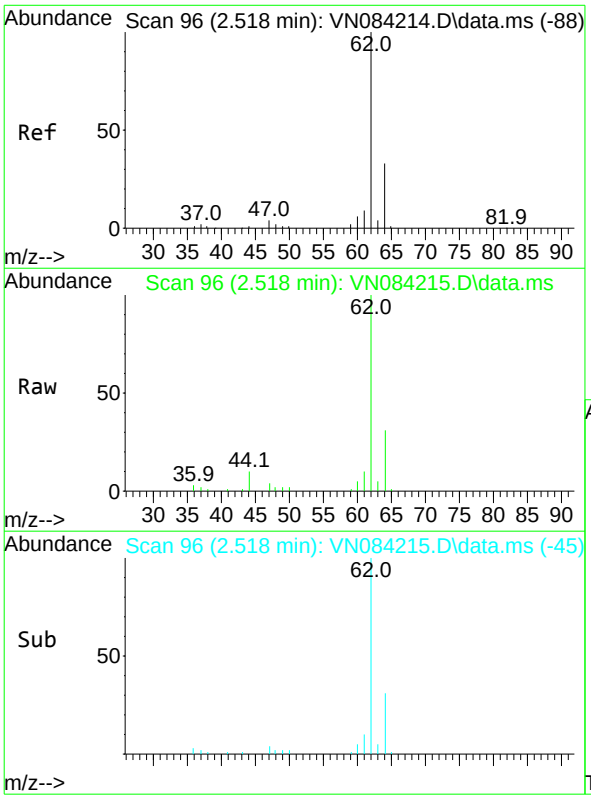
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

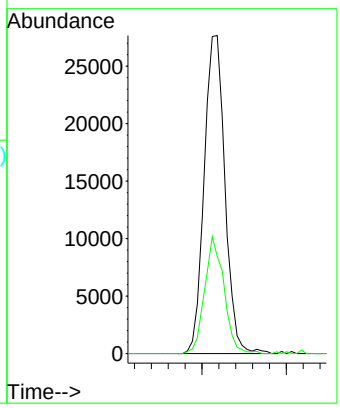
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

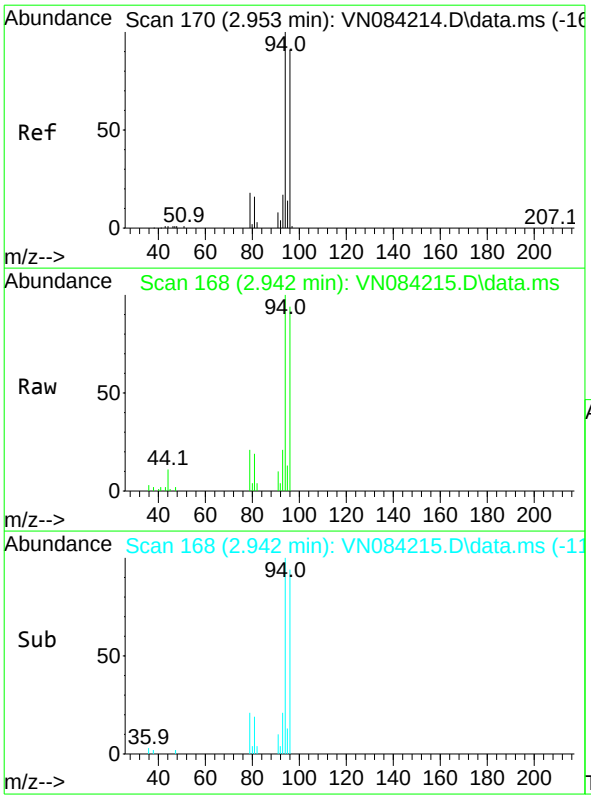


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4

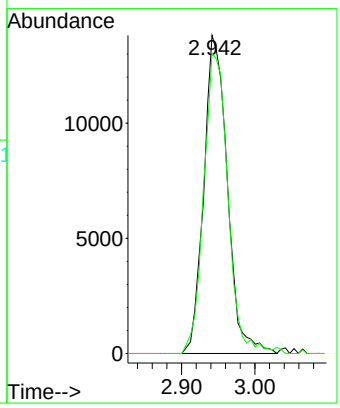




#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 94 Resp: 30751

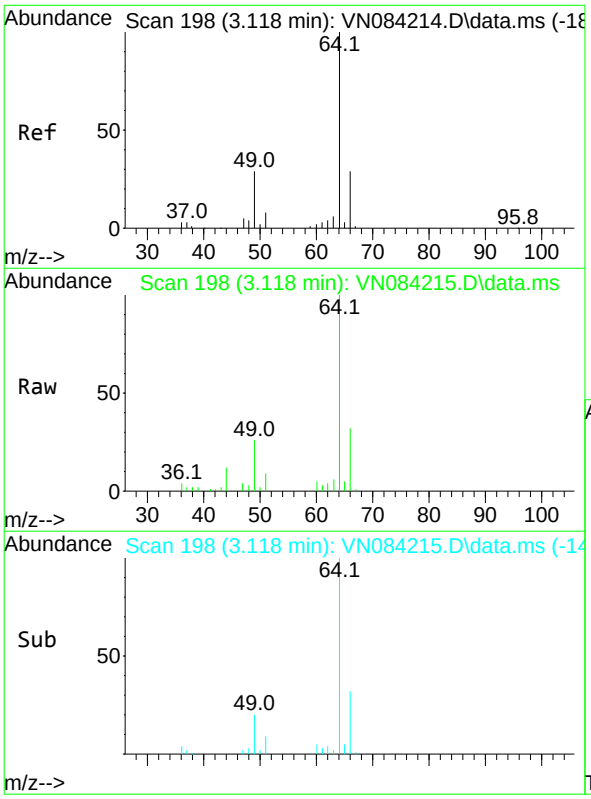
Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

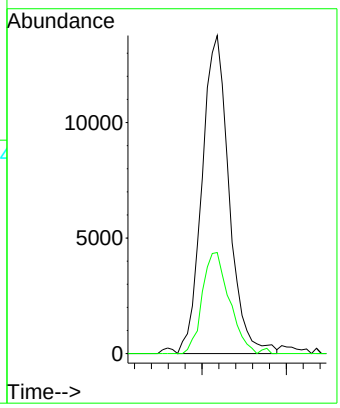
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

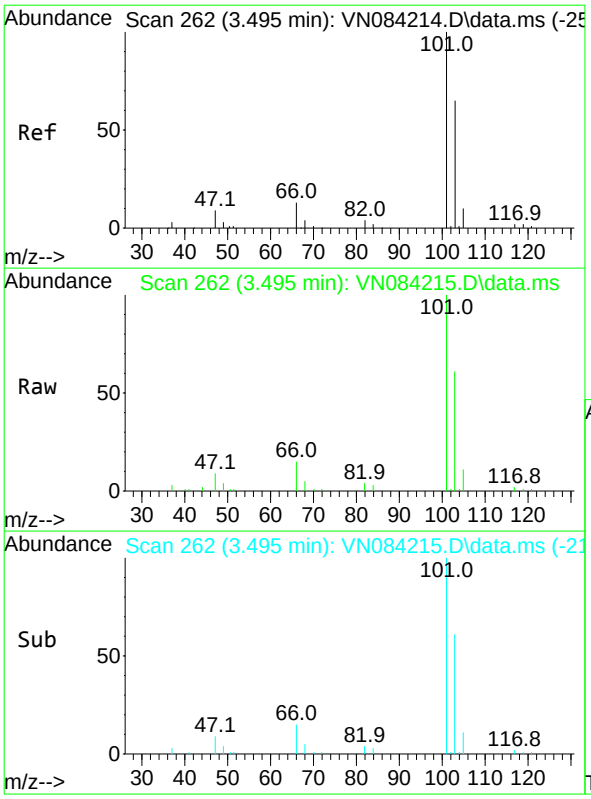


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3

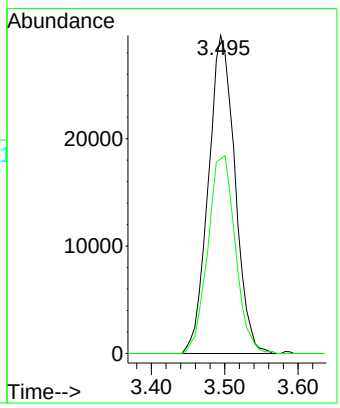




#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 74579

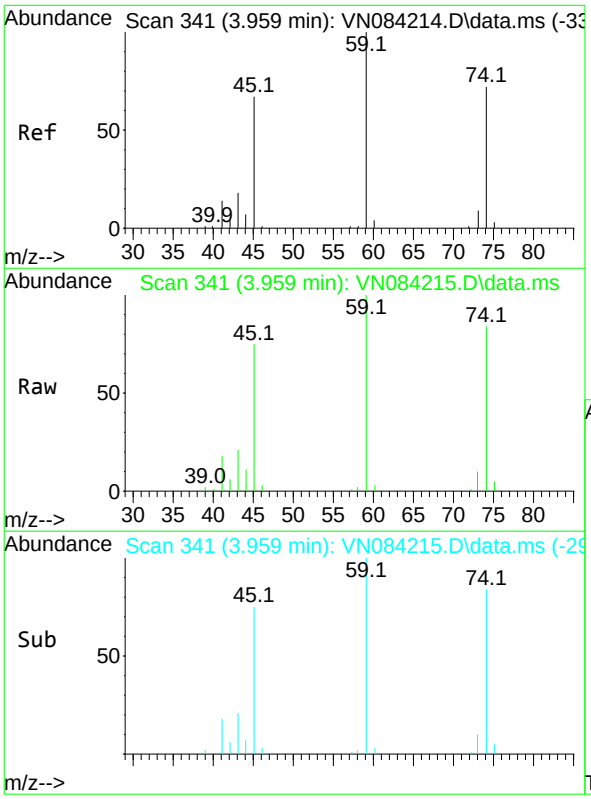
Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

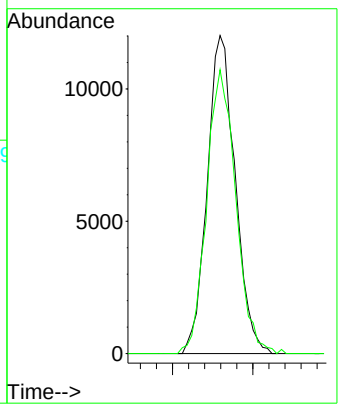
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

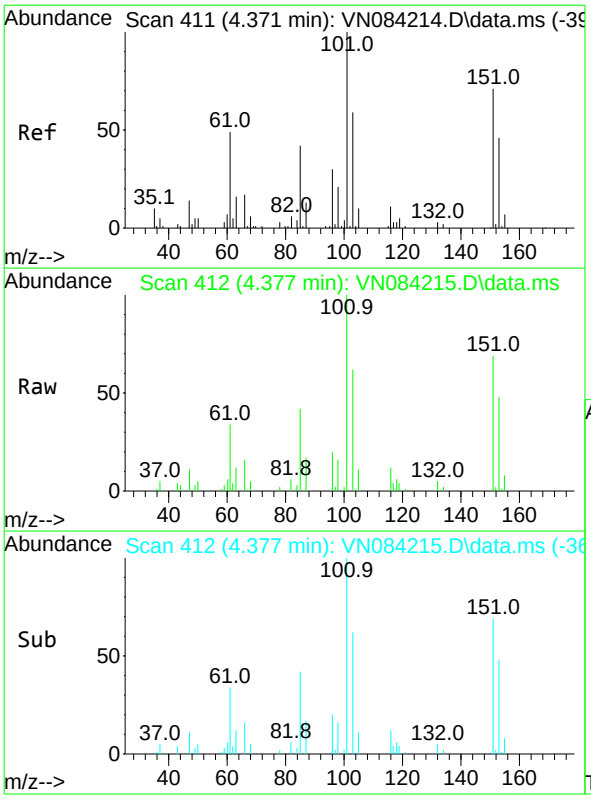


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1

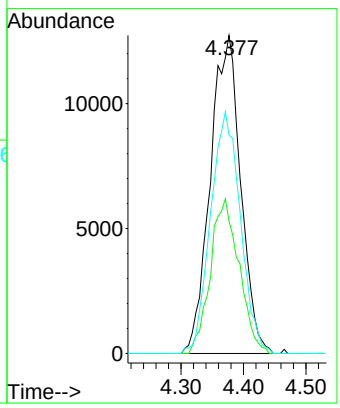




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 42958

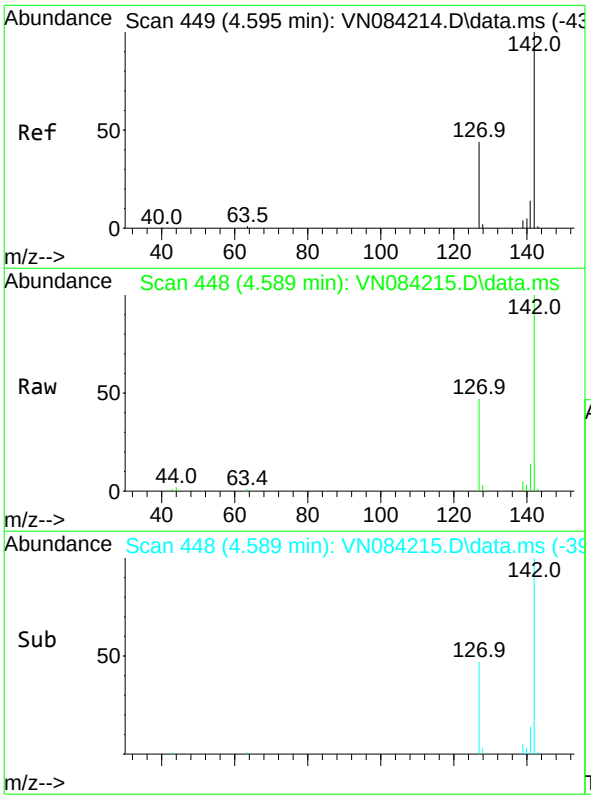
Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	74.9	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

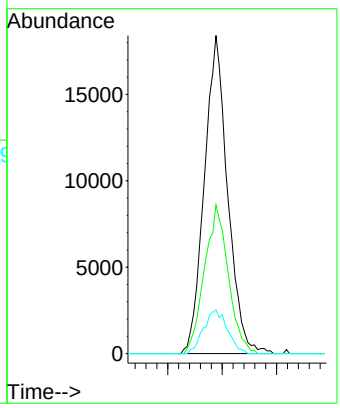
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

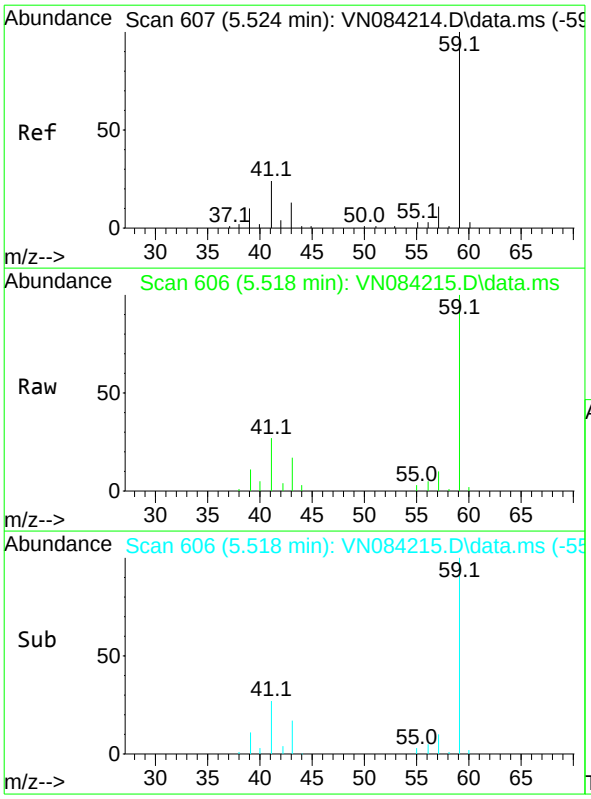


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

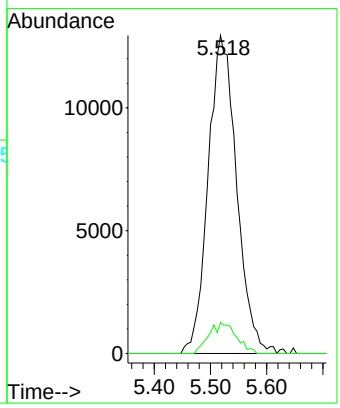




#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 59 Resp: 45501

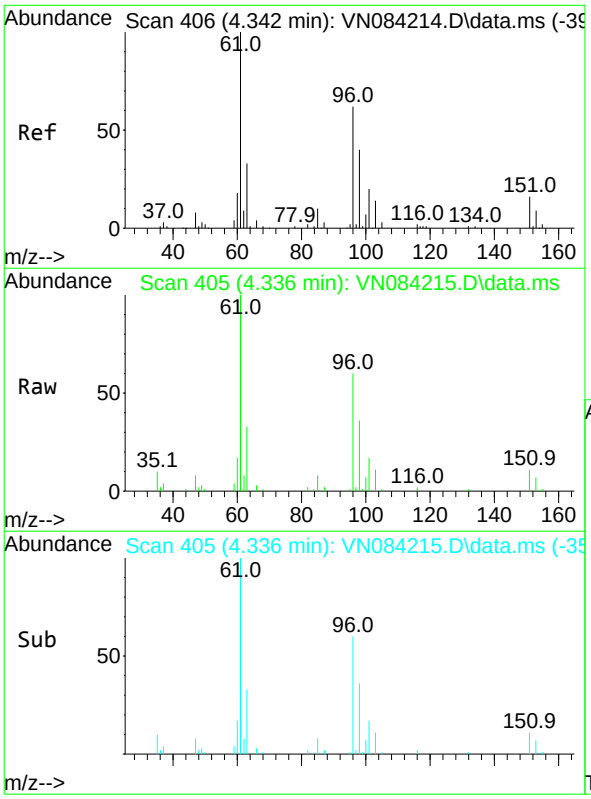
Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

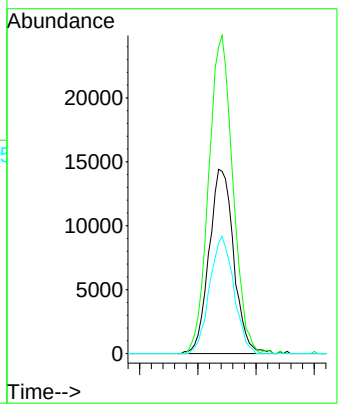
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

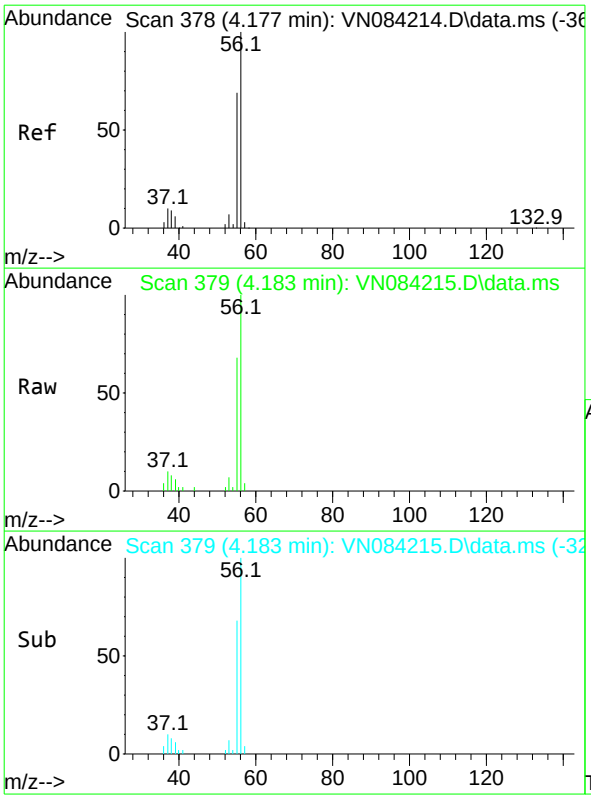


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

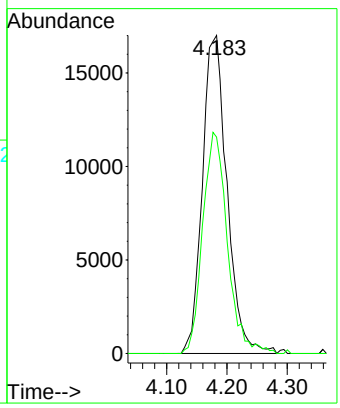




#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 48261

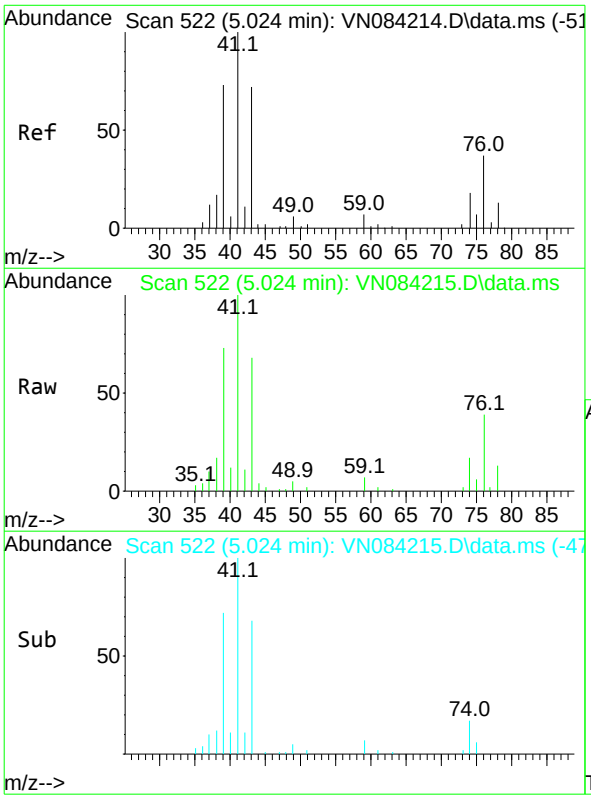
Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

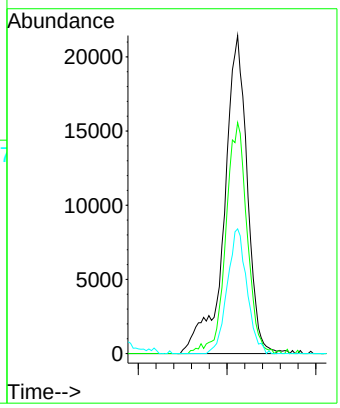
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

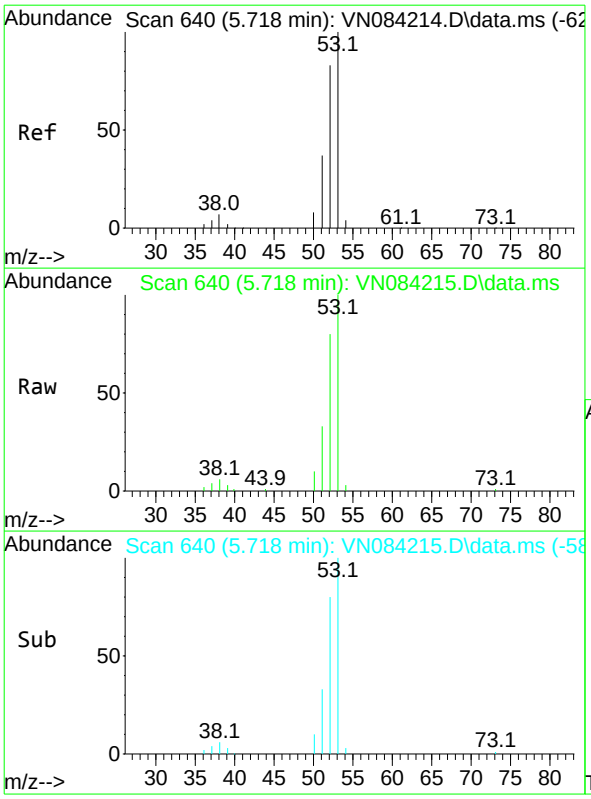


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

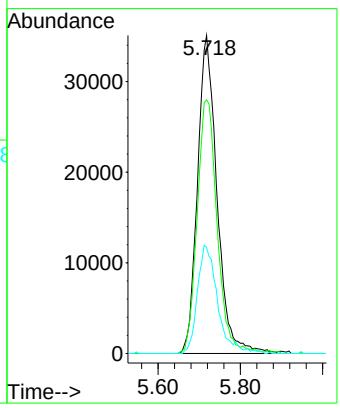




#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 53 Resp: 115451

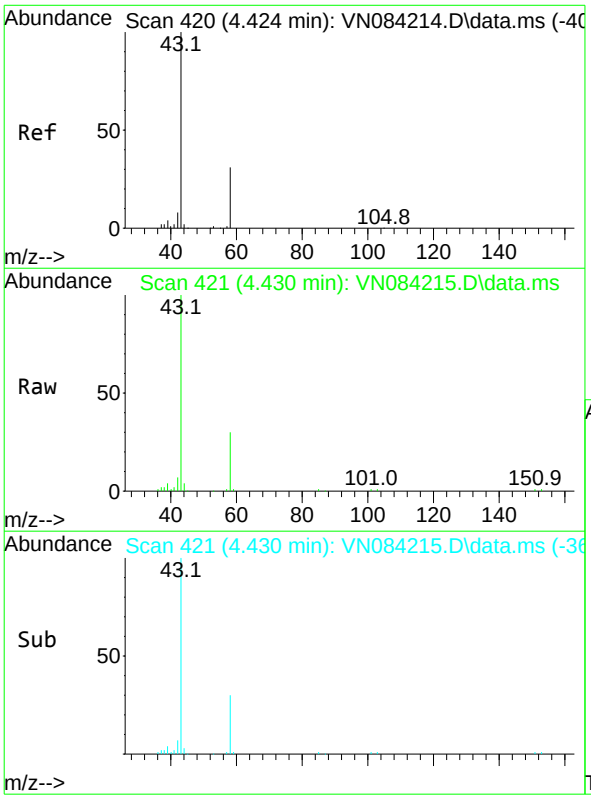
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

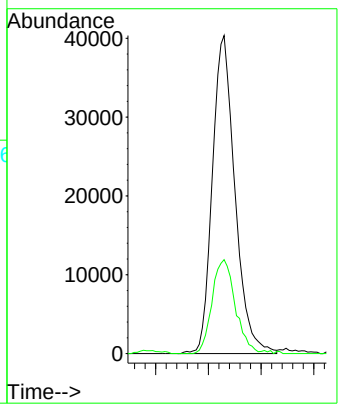
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

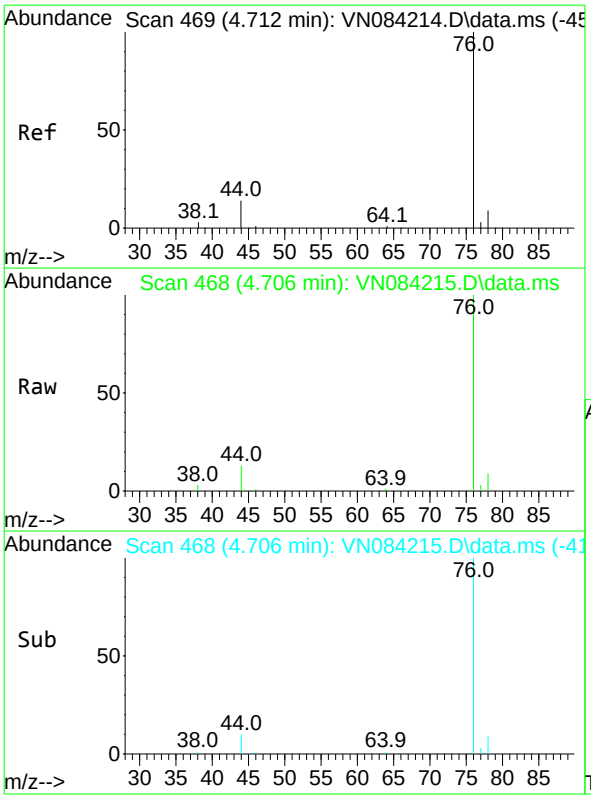


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

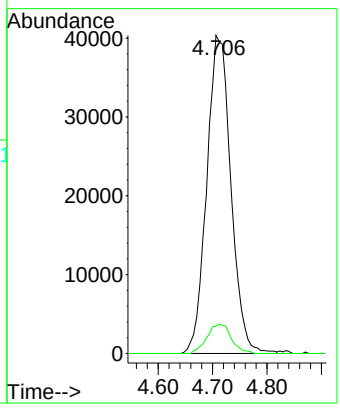




#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 124366

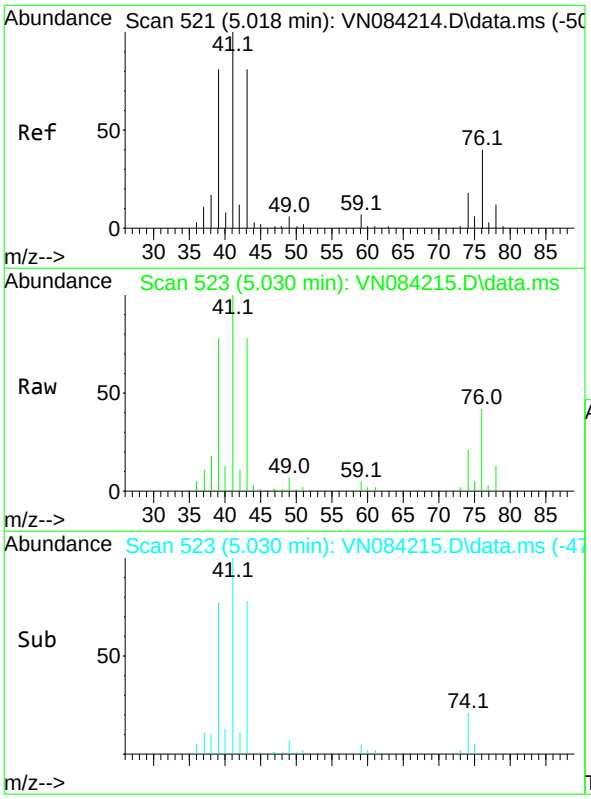
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

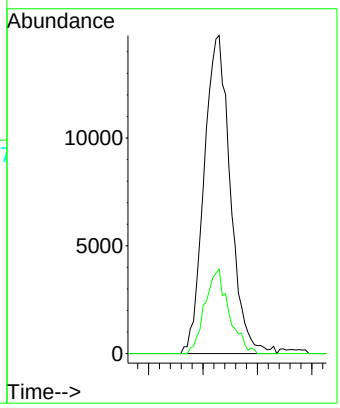
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

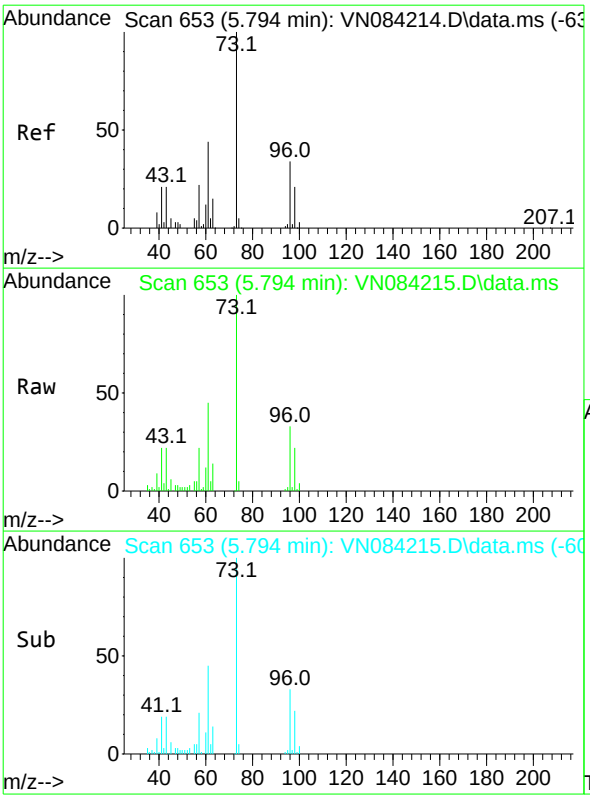


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8

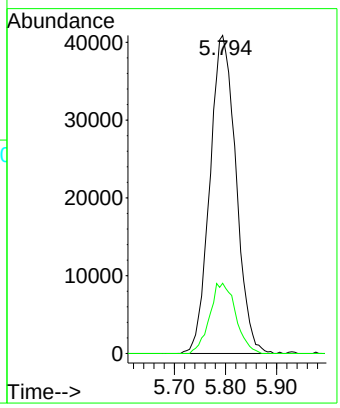




#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 73 Resp: 144972

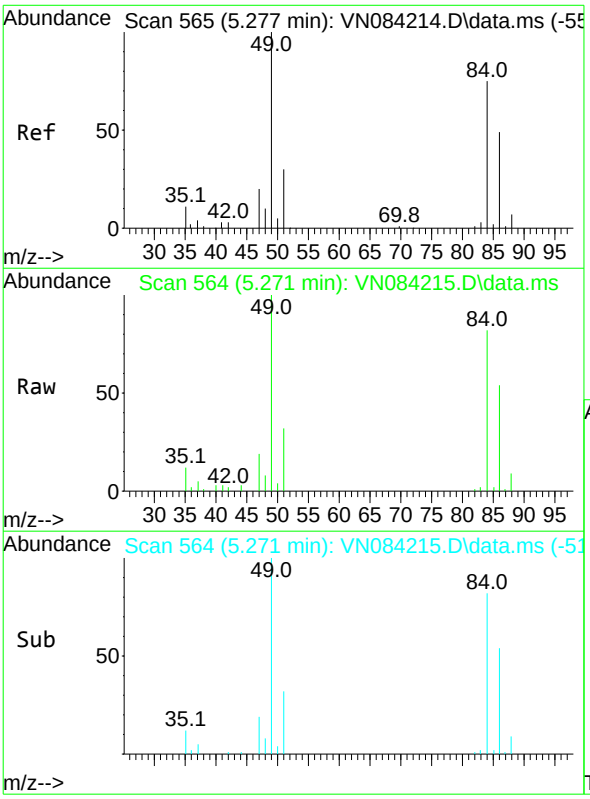
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

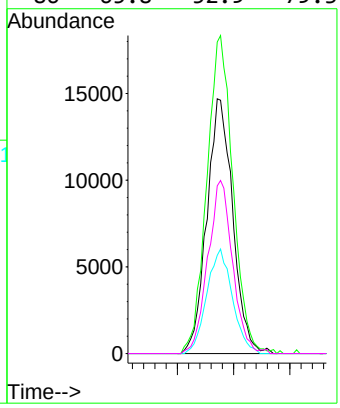
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

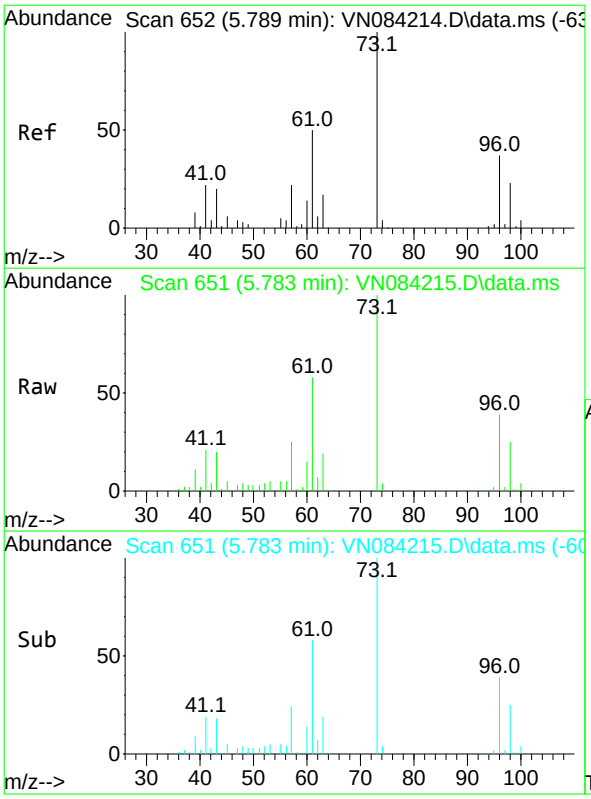


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

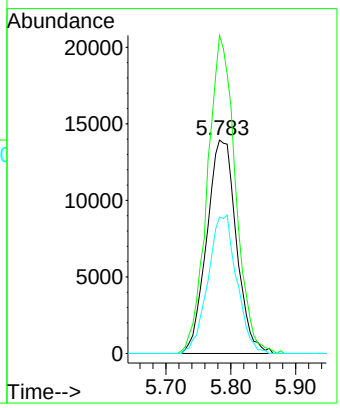




#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 44064

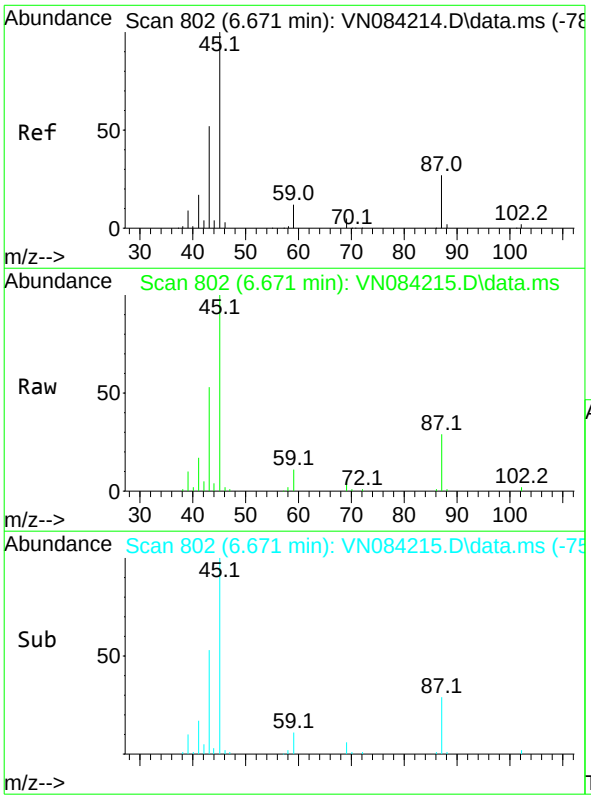
Ion	Ratio	Lower	Upper
96	100		
61	149.0	108.4	162.6
98	63.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

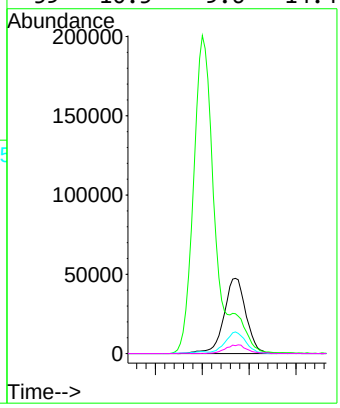
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

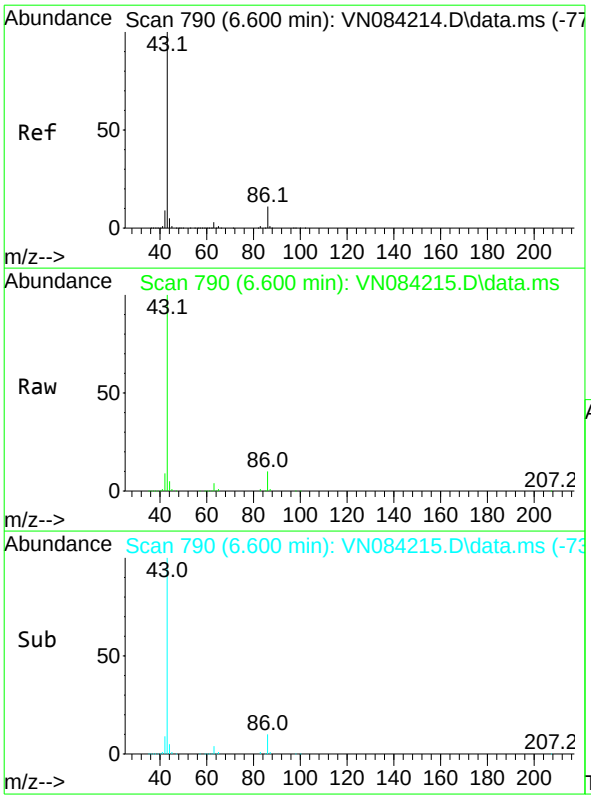


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

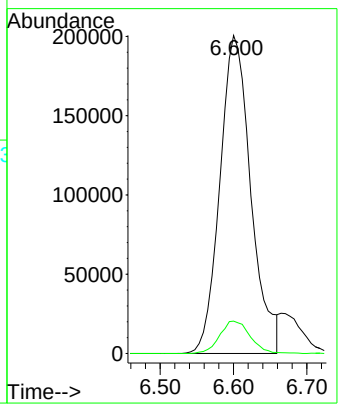




#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 589404

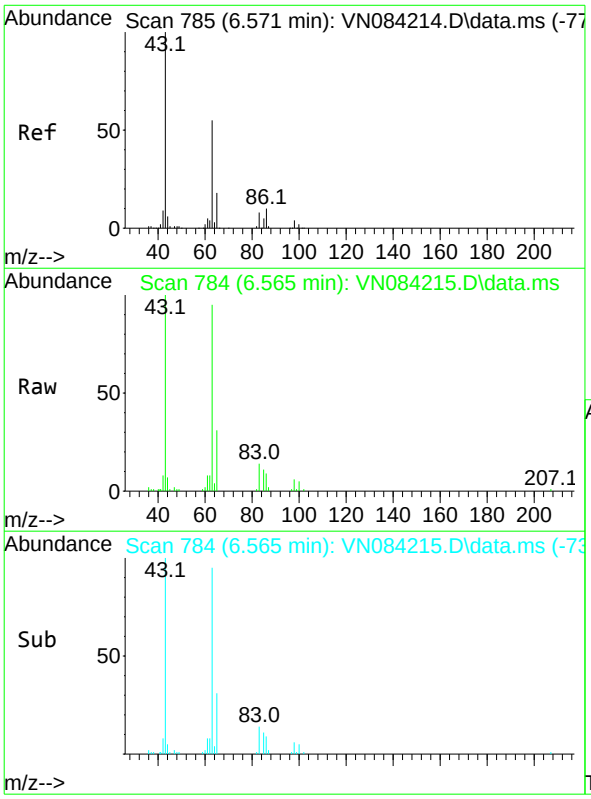
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

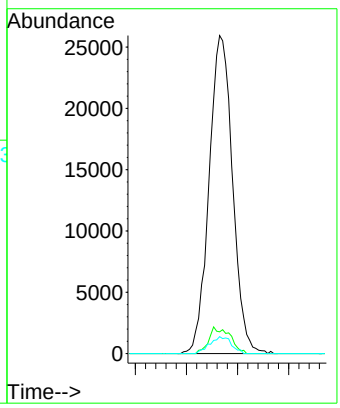
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

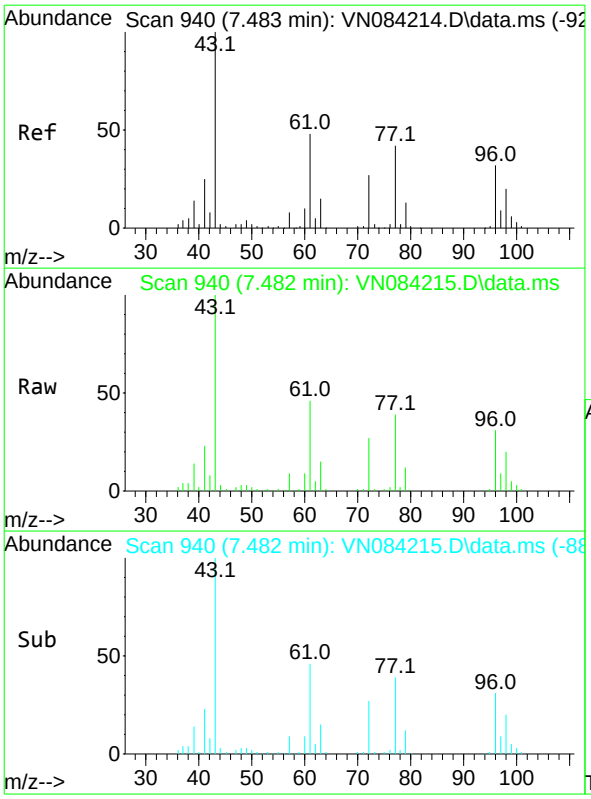


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

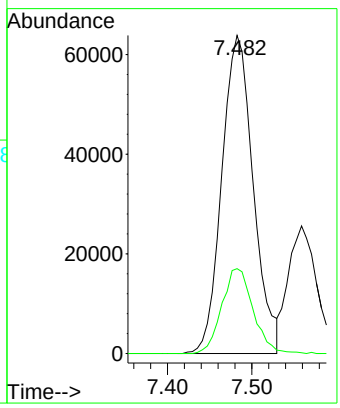




#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 165762

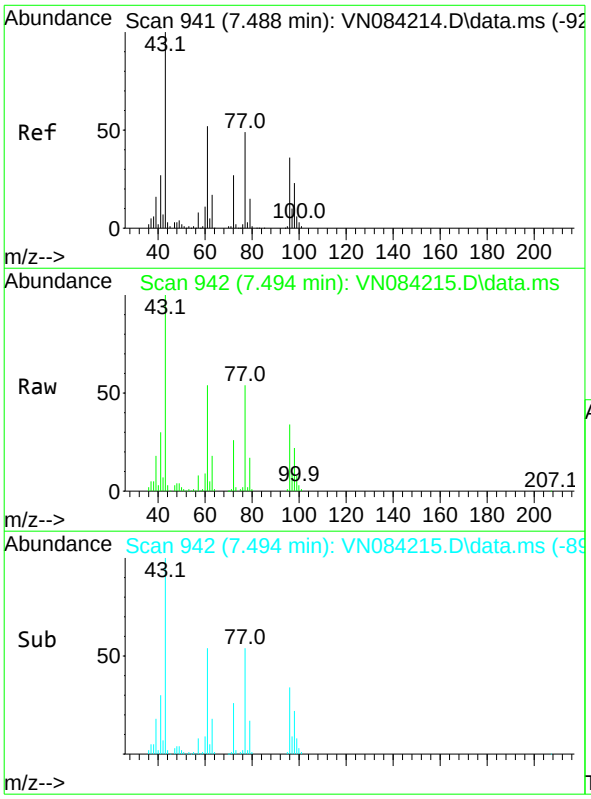
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

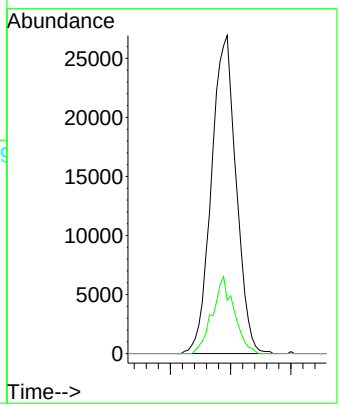
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

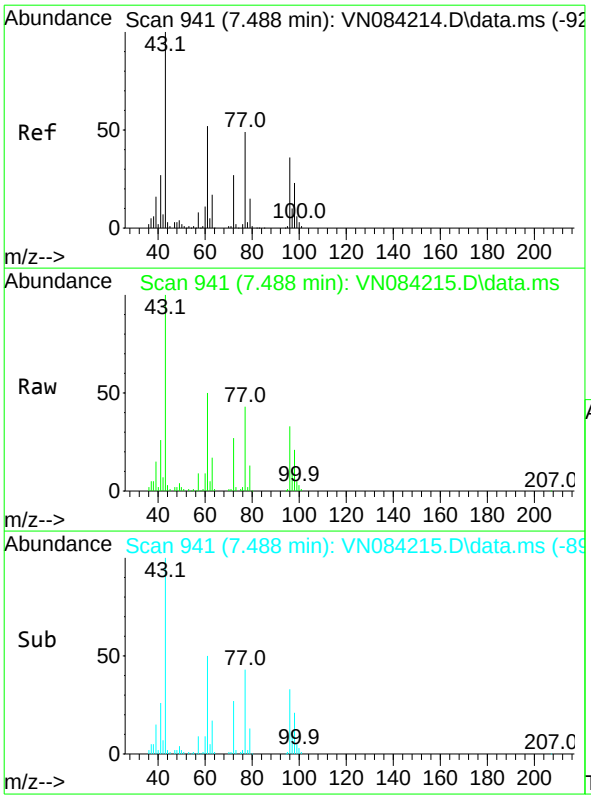


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3

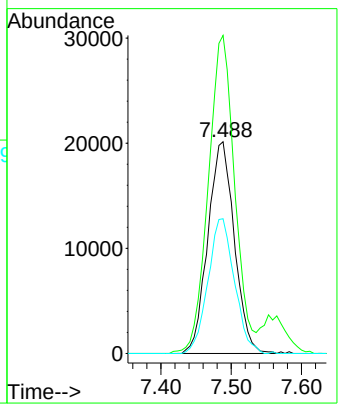




#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 52758

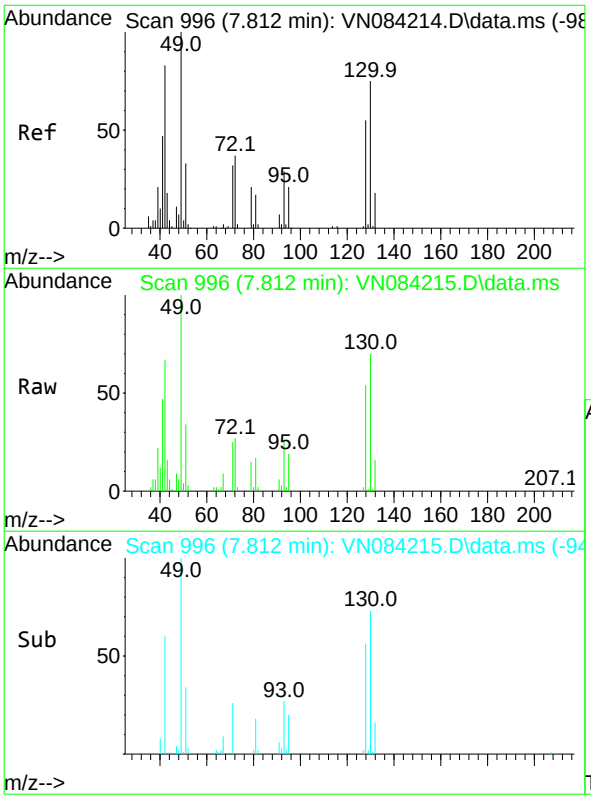
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

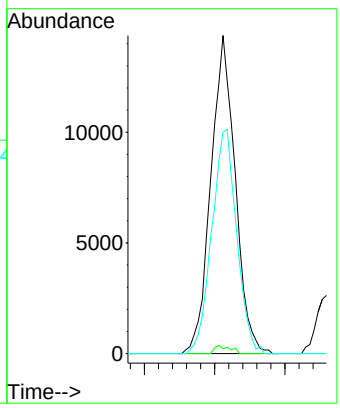
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

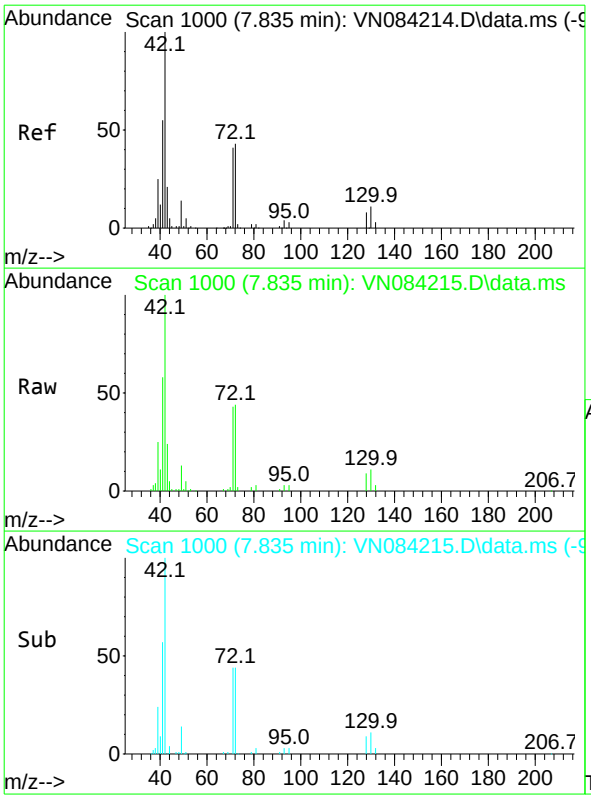


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

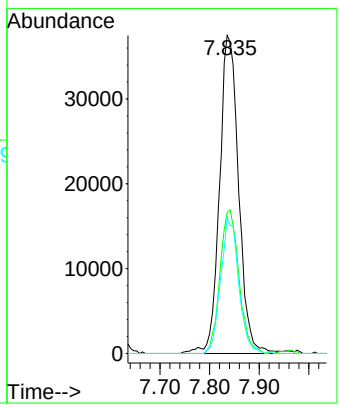




#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 42 Resp: 100146

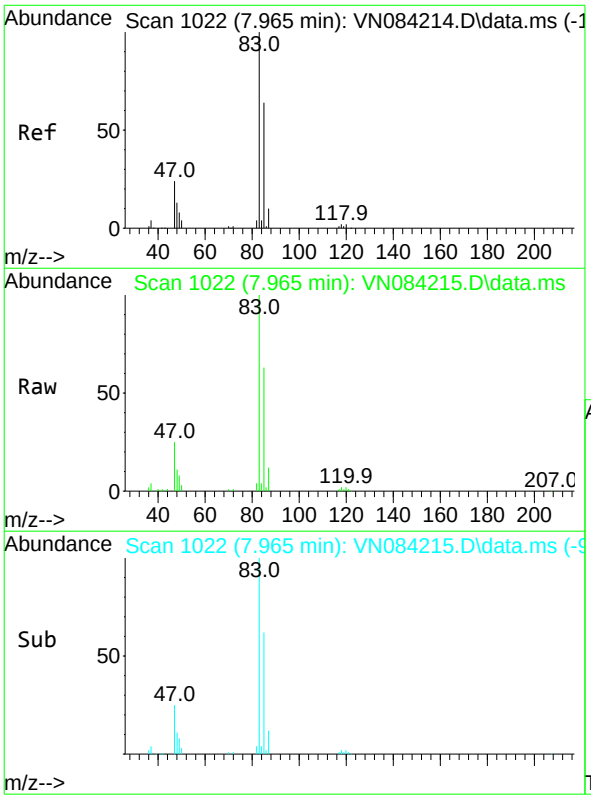
Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

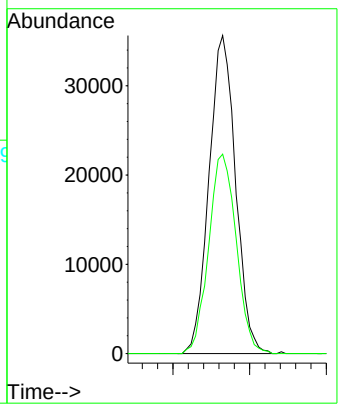
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

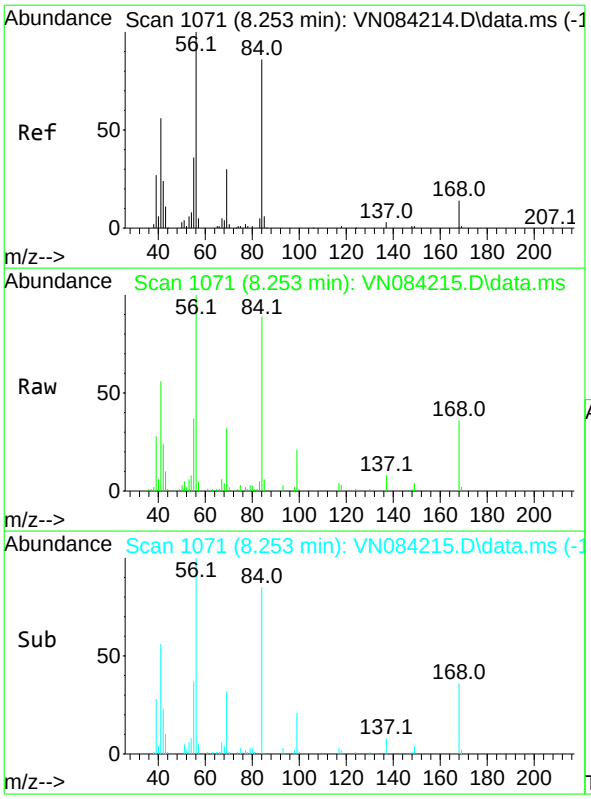


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4

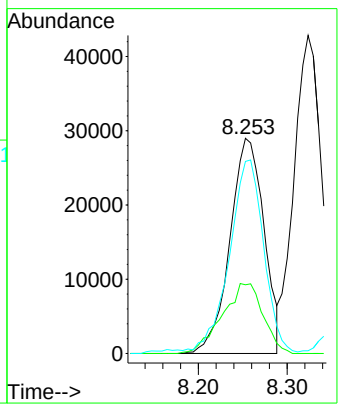




#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 77216

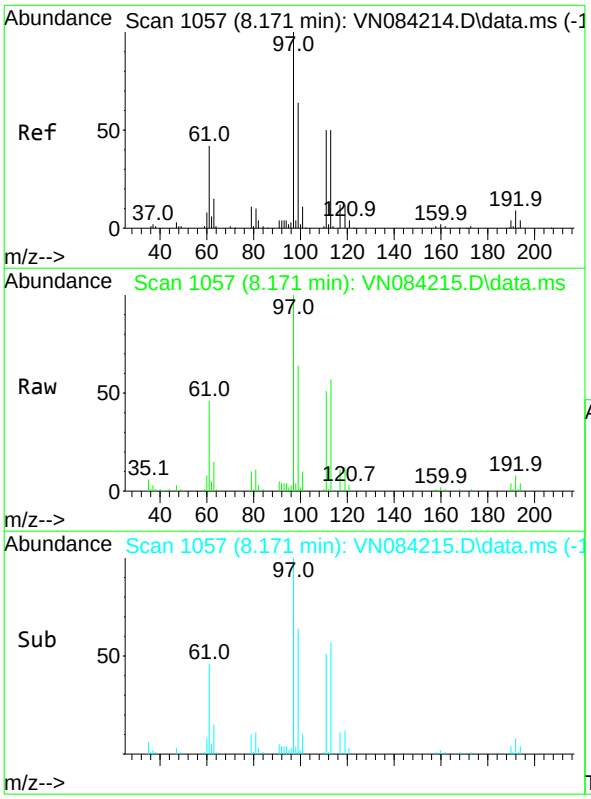
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	87.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

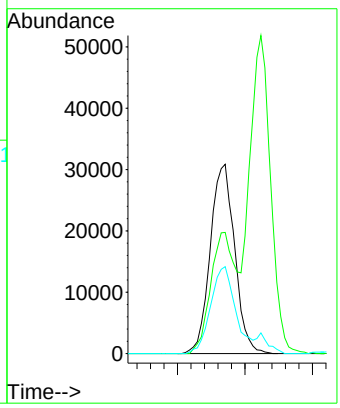
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

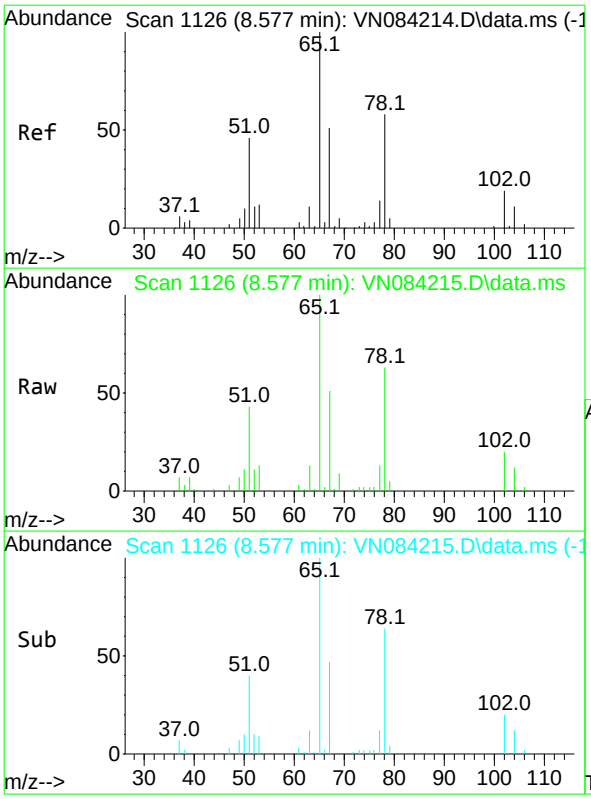


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

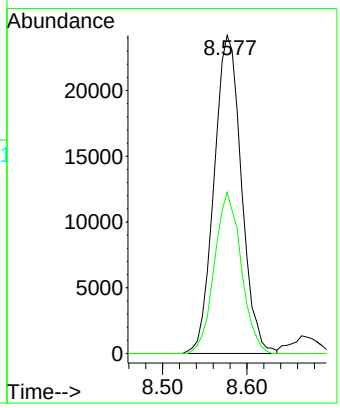




#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 65 Resp: 54409

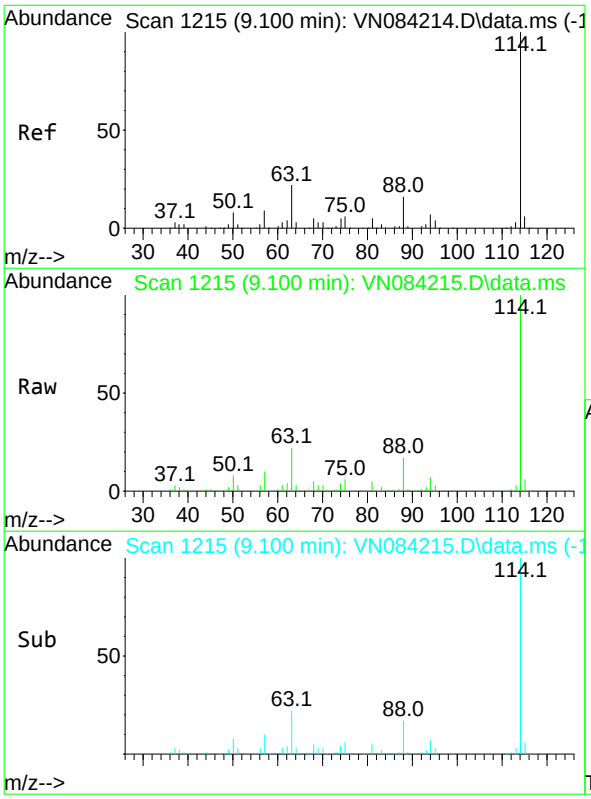
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

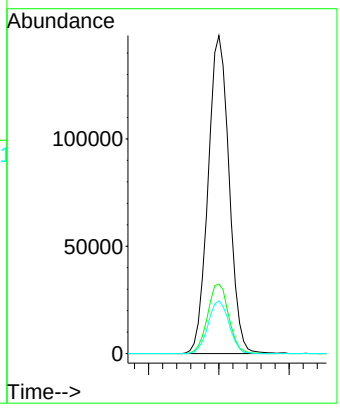
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

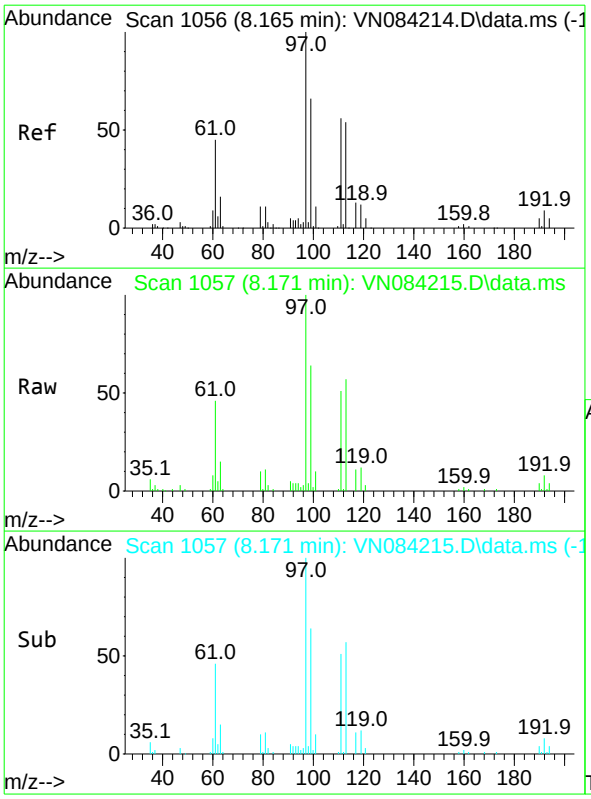


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

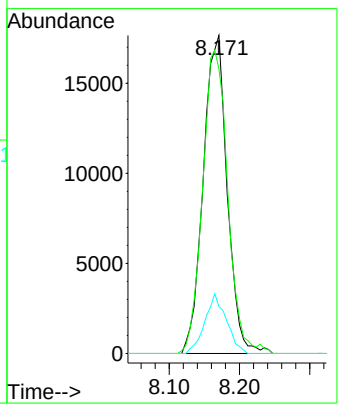




#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:113 Resp: 41903

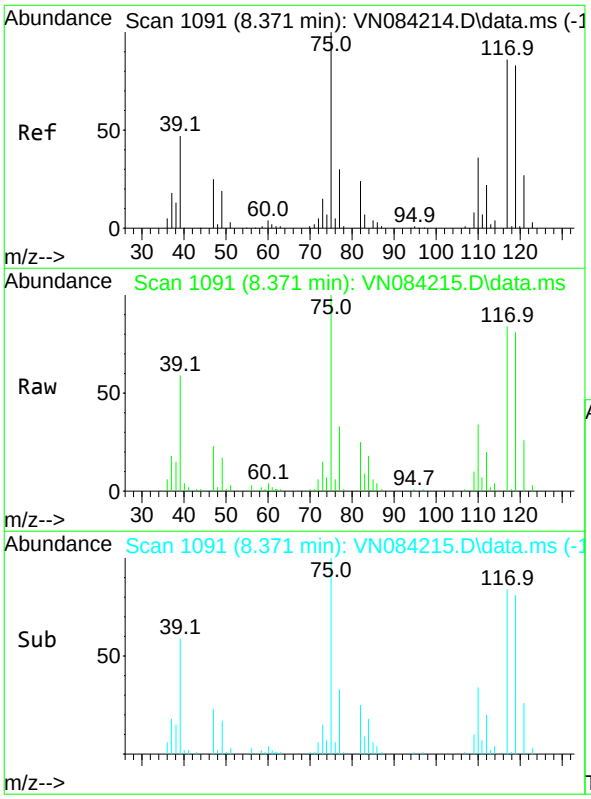
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	16.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

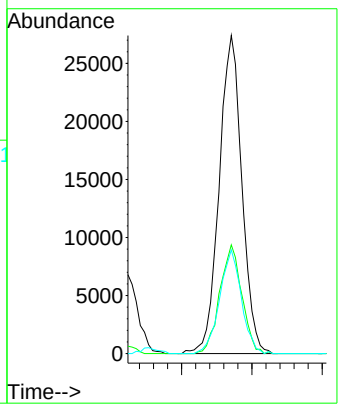
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

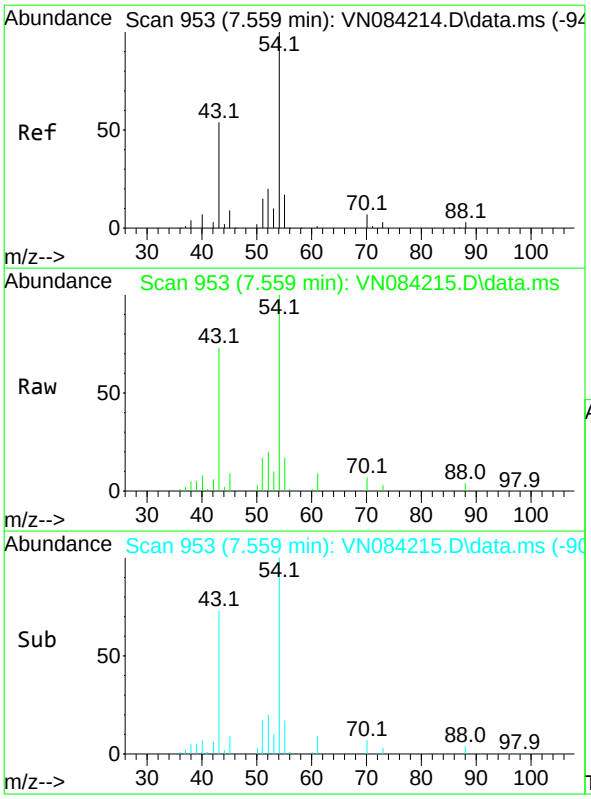


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

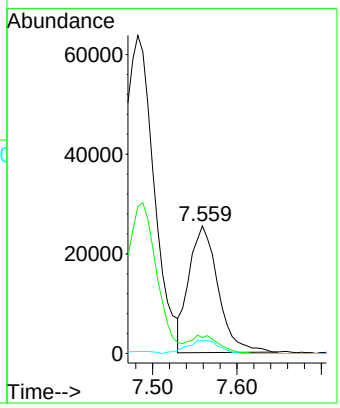




#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 61023

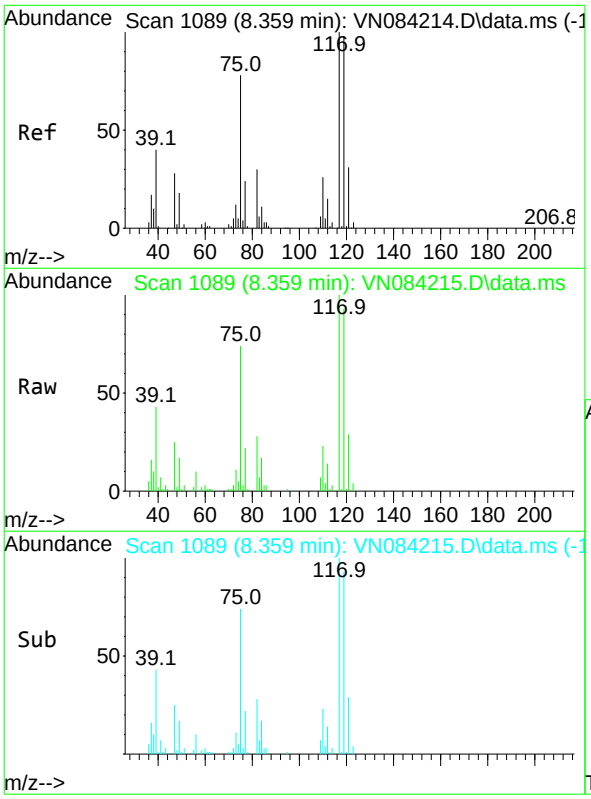
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

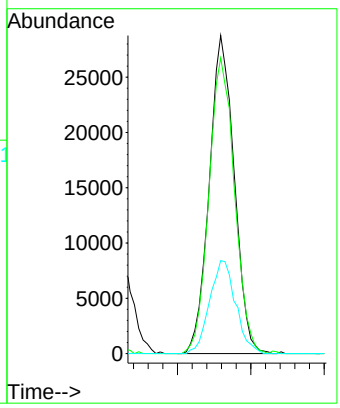
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

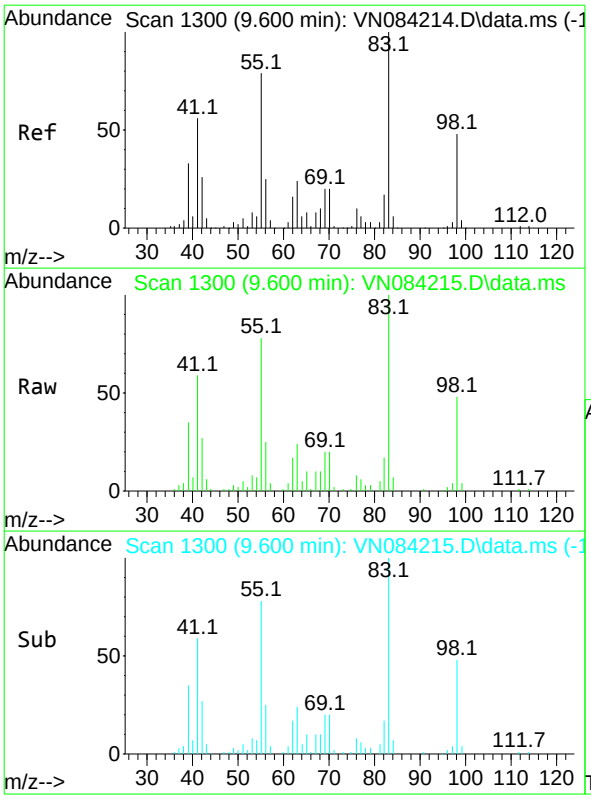


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

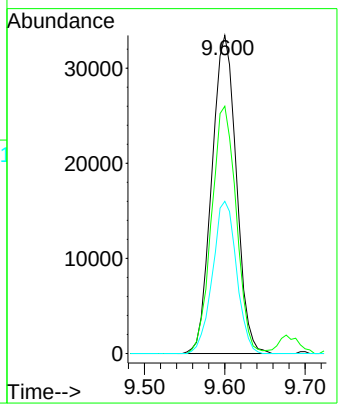




#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 70956

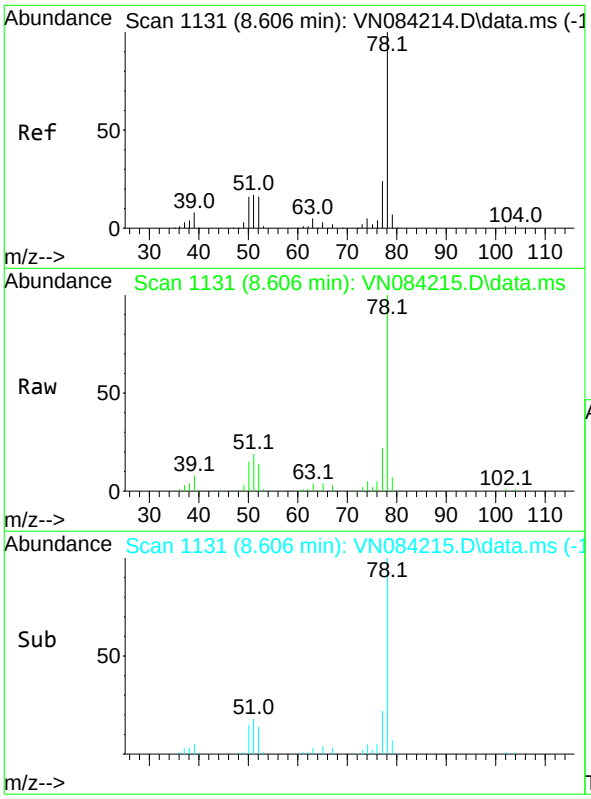
Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	47.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

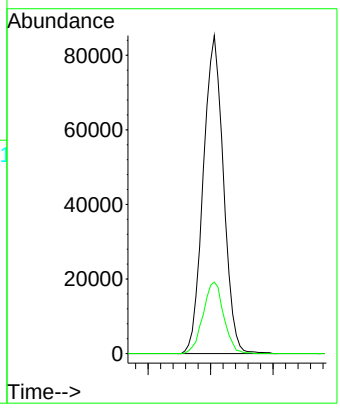
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

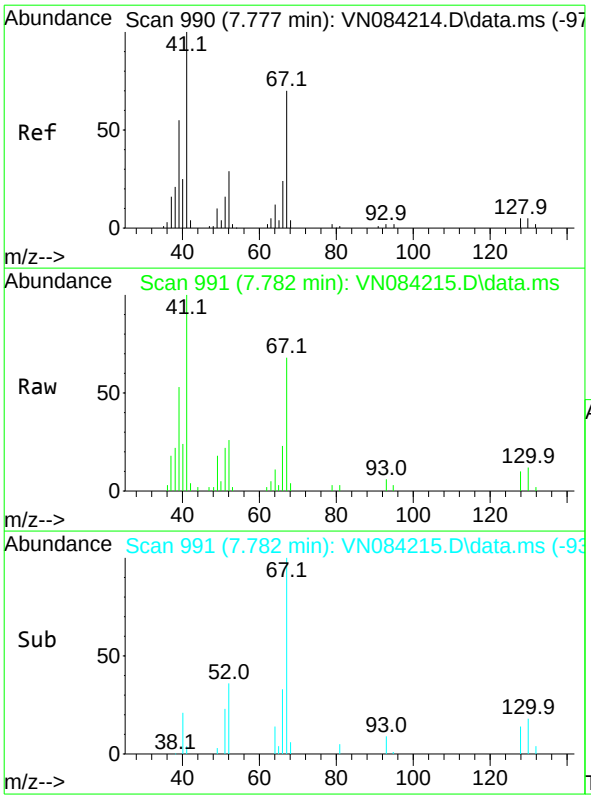


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7

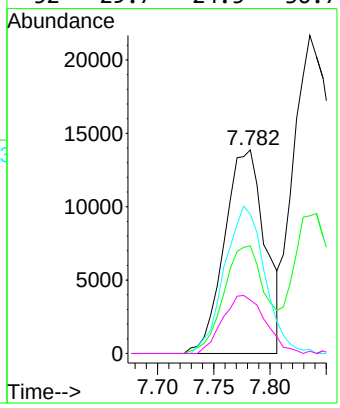




#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 34943

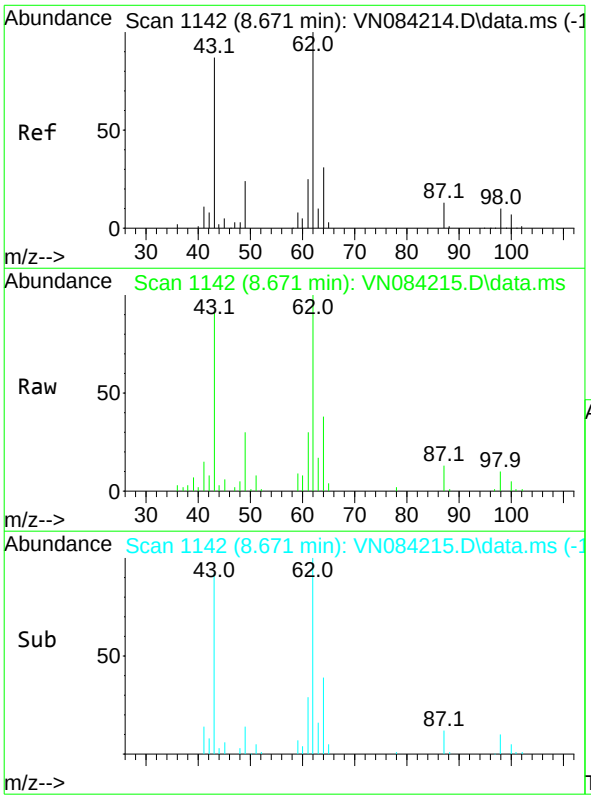
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

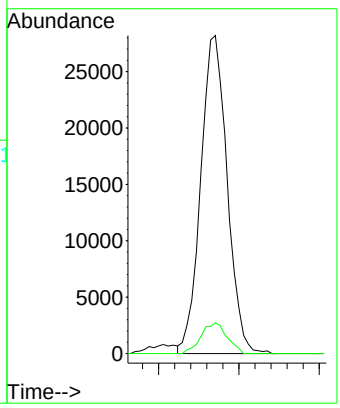
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

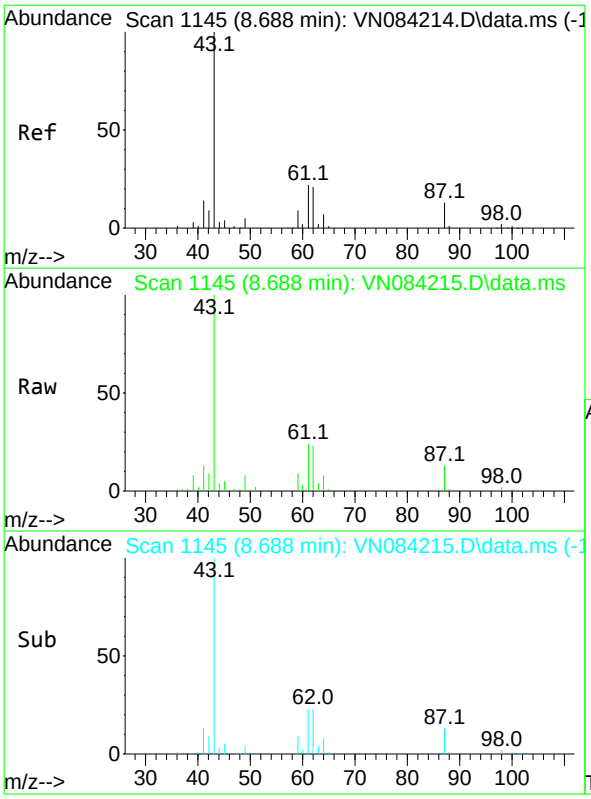


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 64453

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

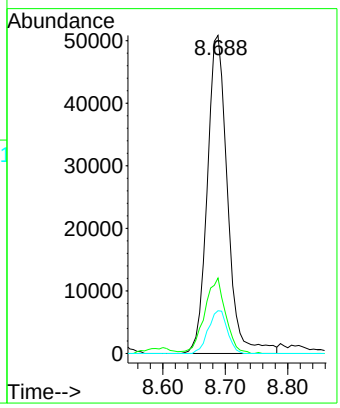




#43
Isopropyl Acetate
Concen: 19.334 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 114278

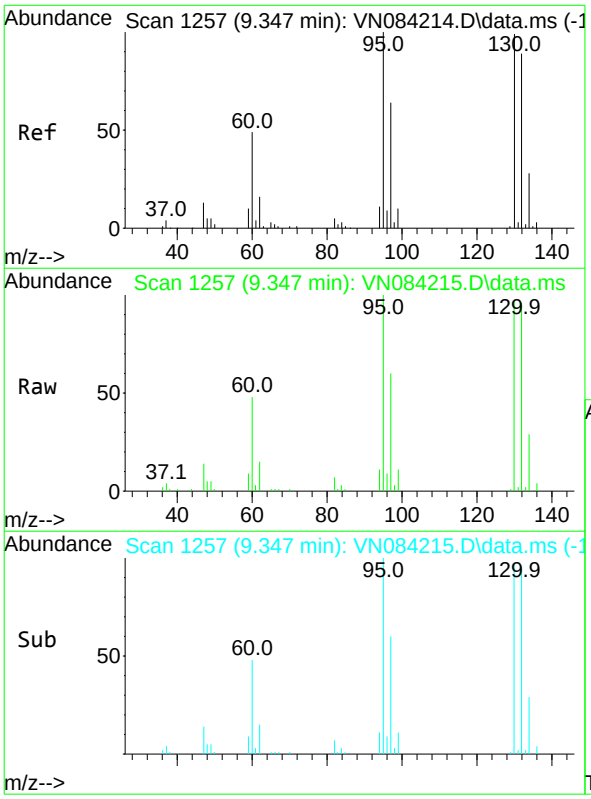
Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.7	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

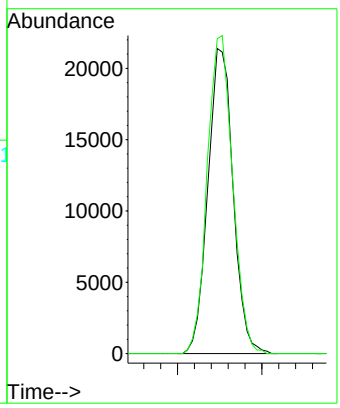
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

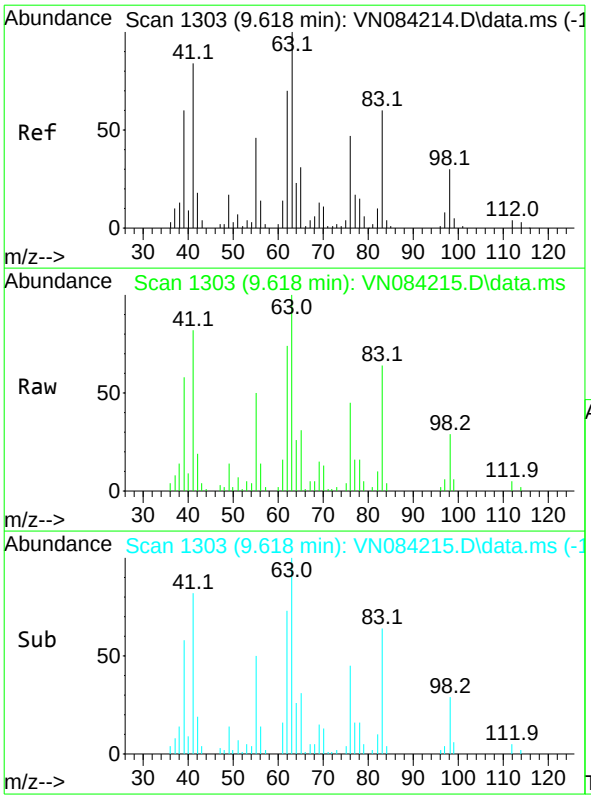


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0

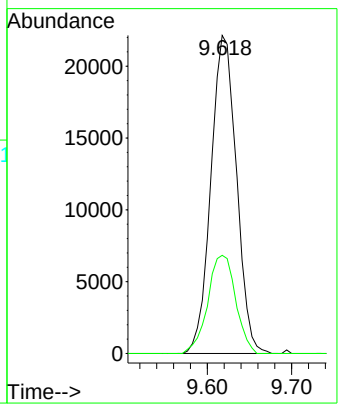




#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 46651

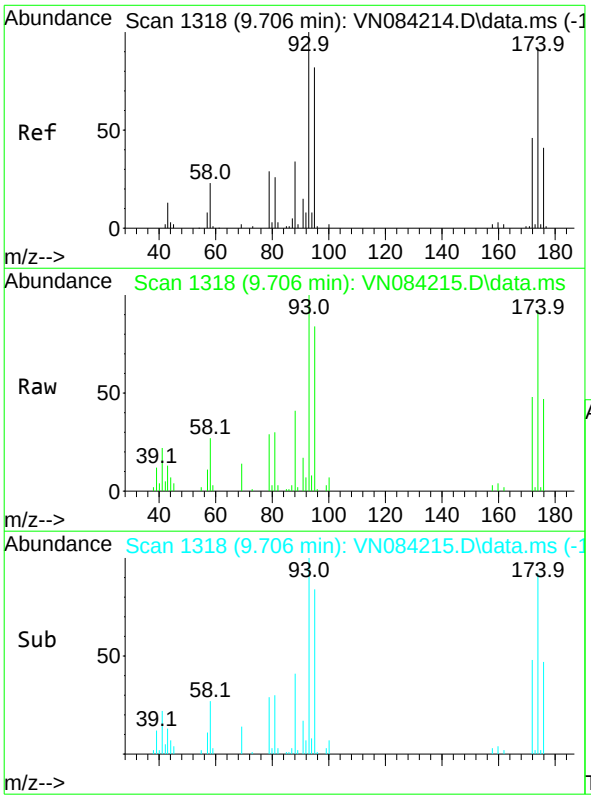
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

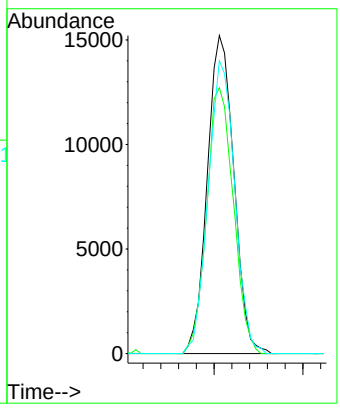
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

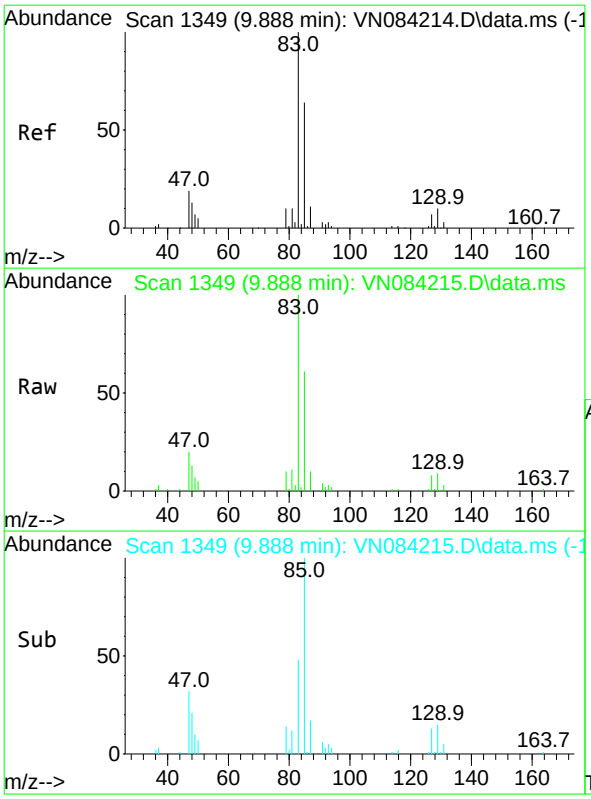


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

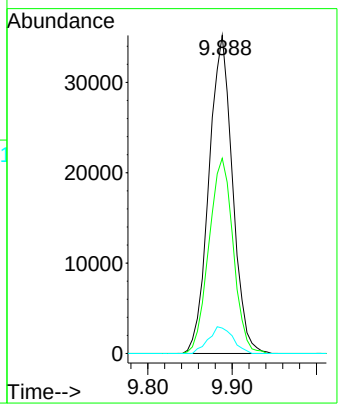




#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

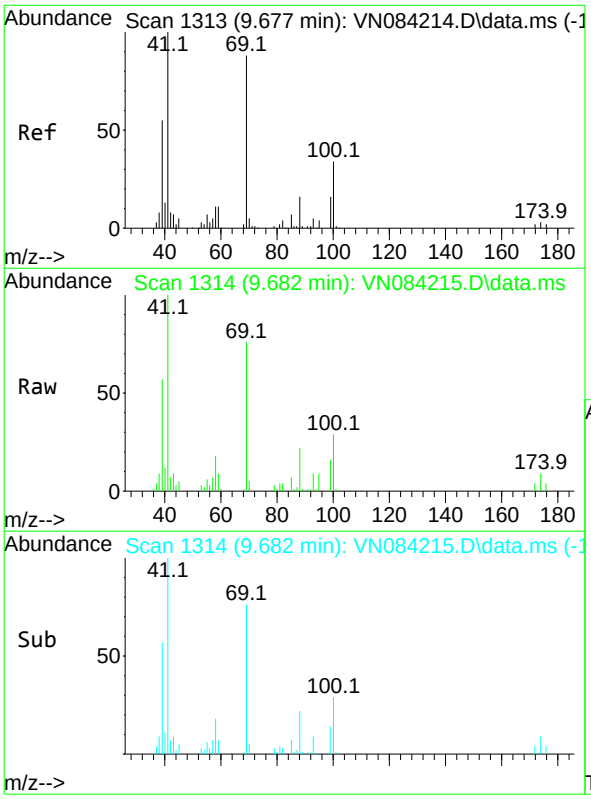
Tgt Ion: 83 Resp: 68343

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

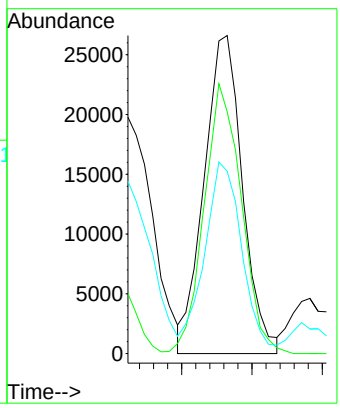
Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

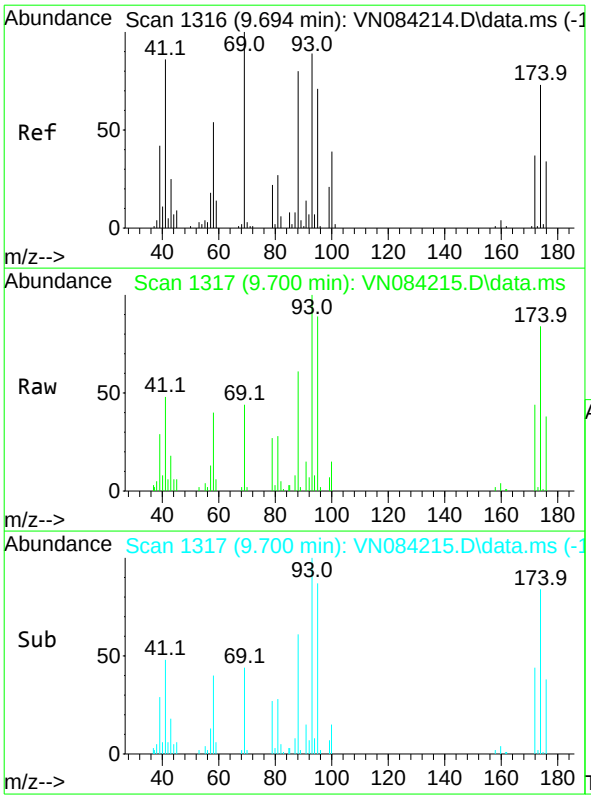


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

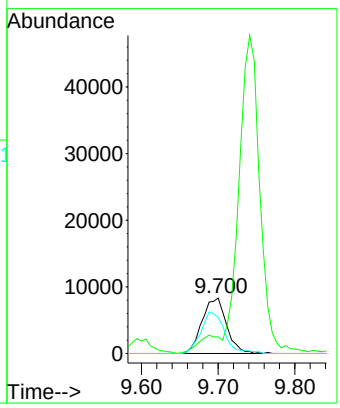




#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 88 Resp: 18411

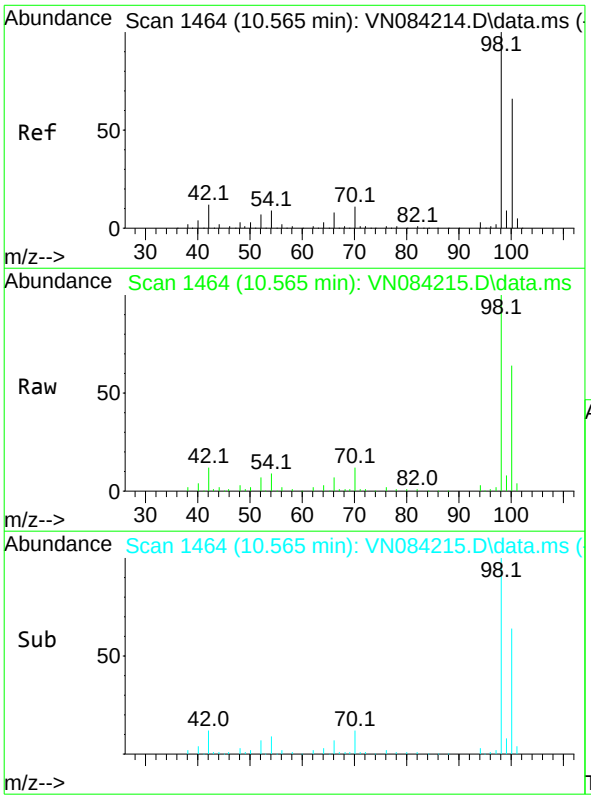
Ion	Ratio	Lower	Upper
88	100		
43	22.7	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

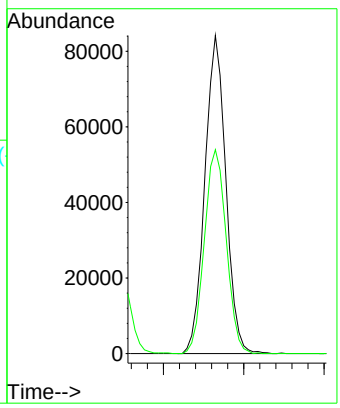
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

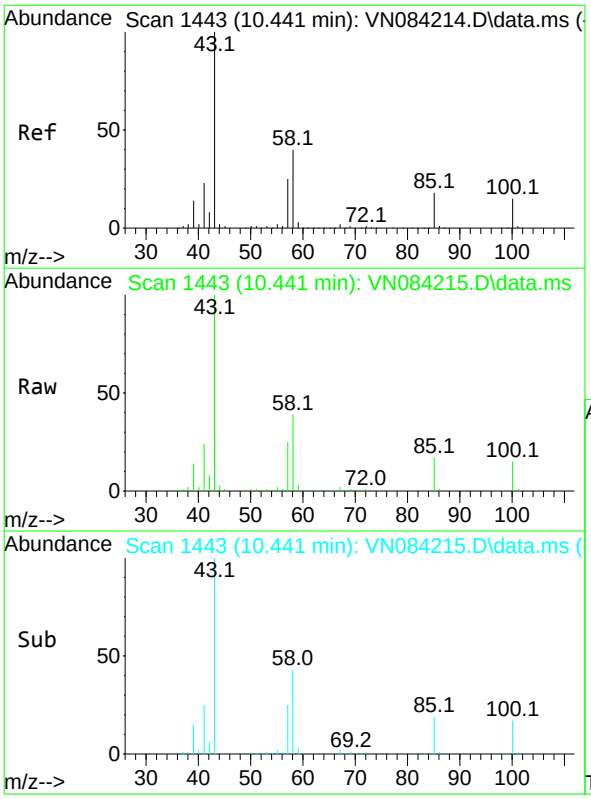


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1

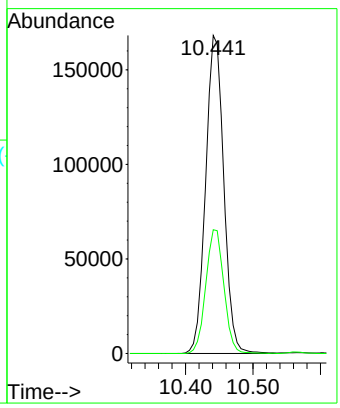




#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 313636

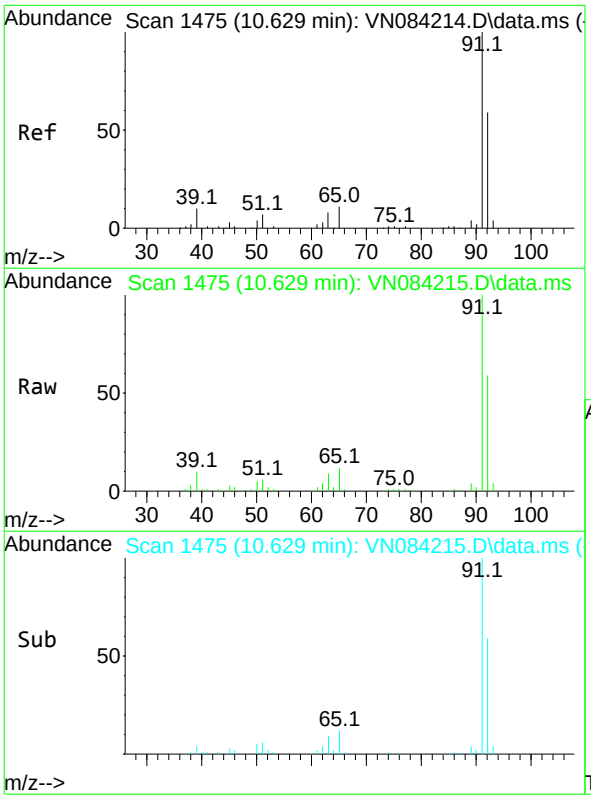
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

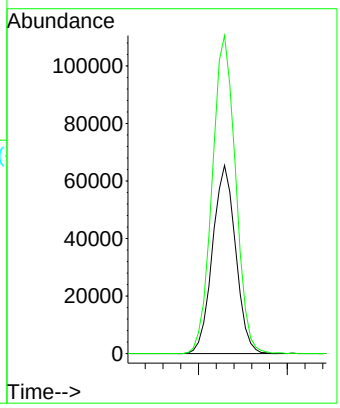
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

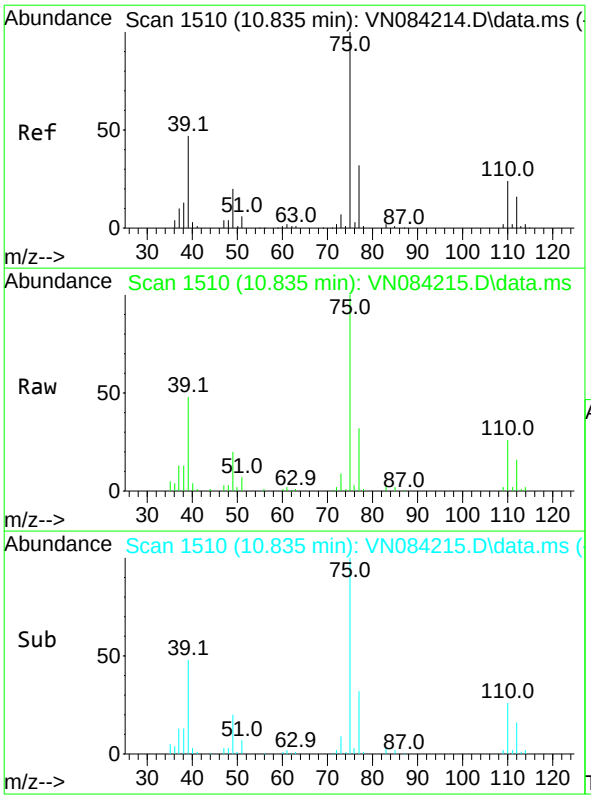


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

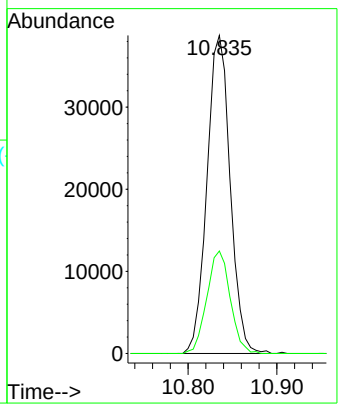




#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 70403

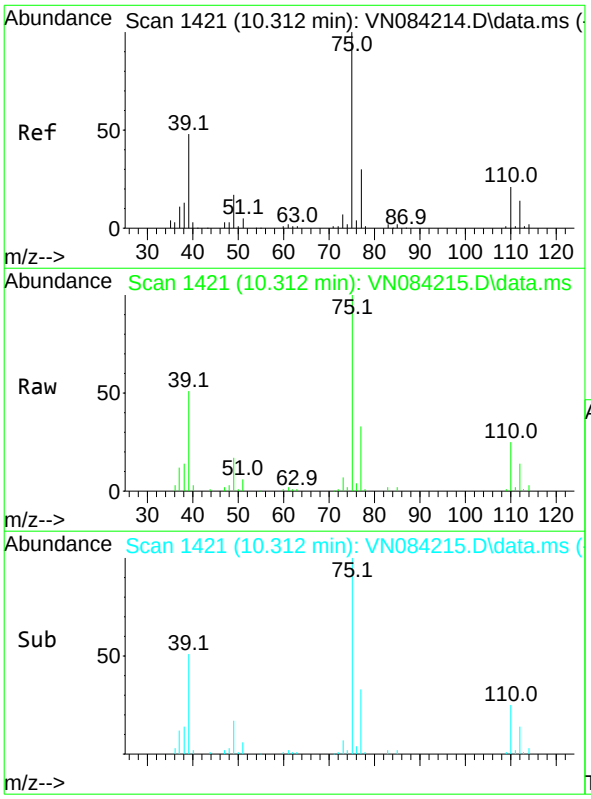
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

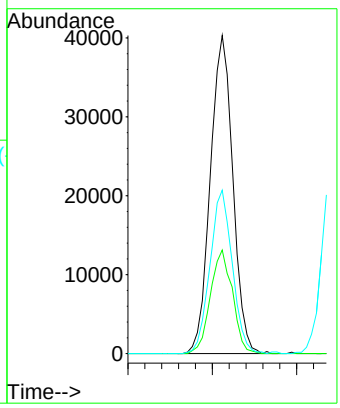
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

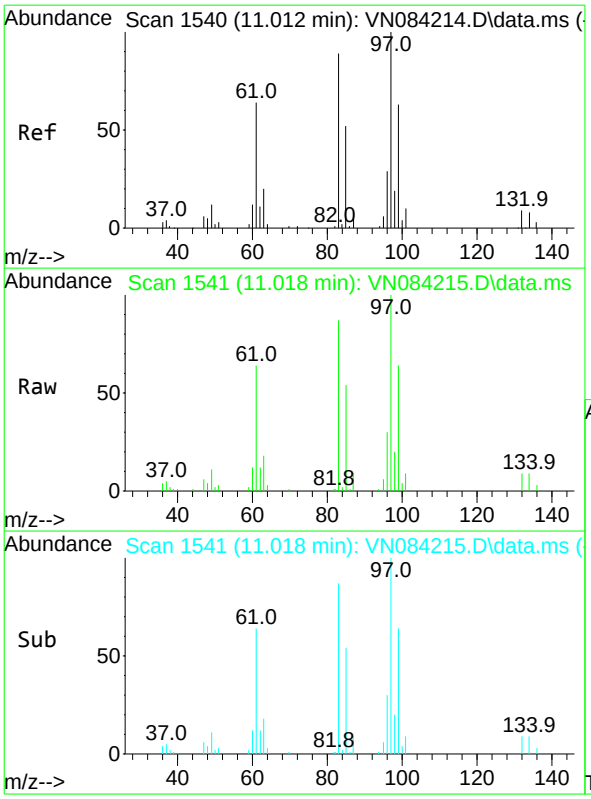


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

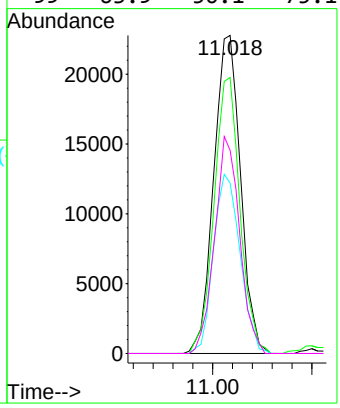




#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 42631

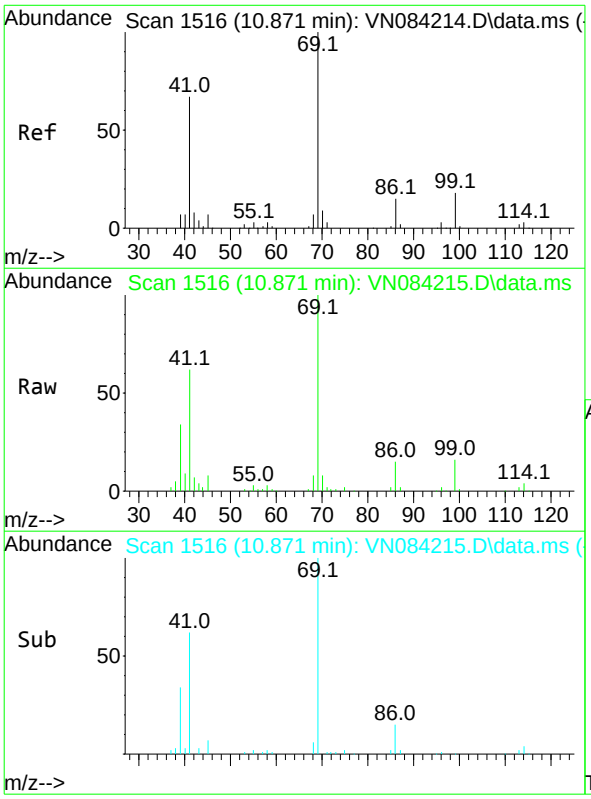
Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	53.6	41.7	62.5
99	63.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

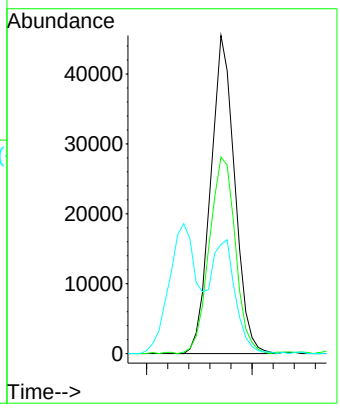
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

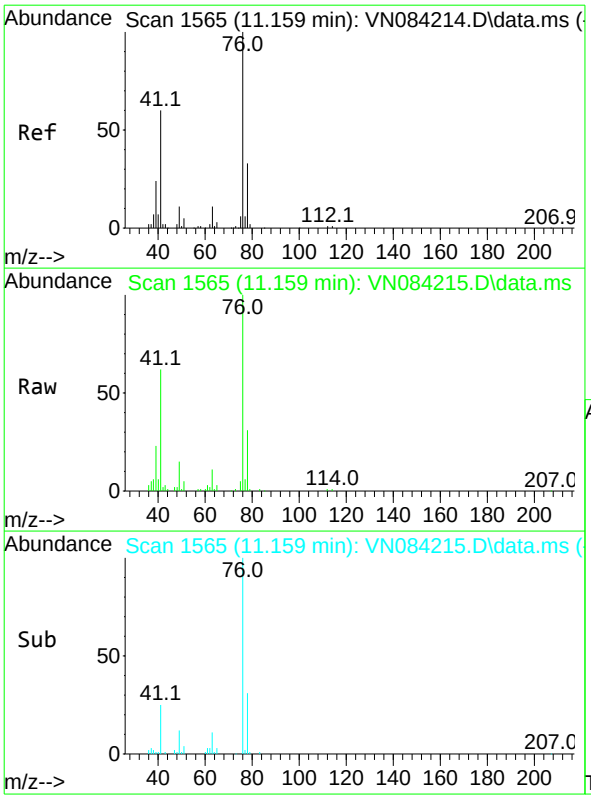


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

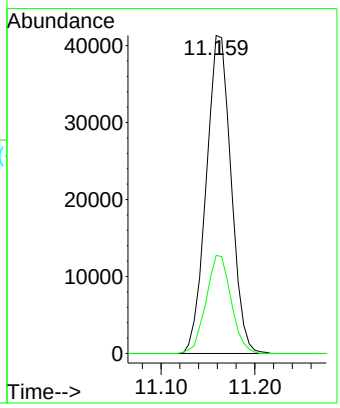




#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 75915

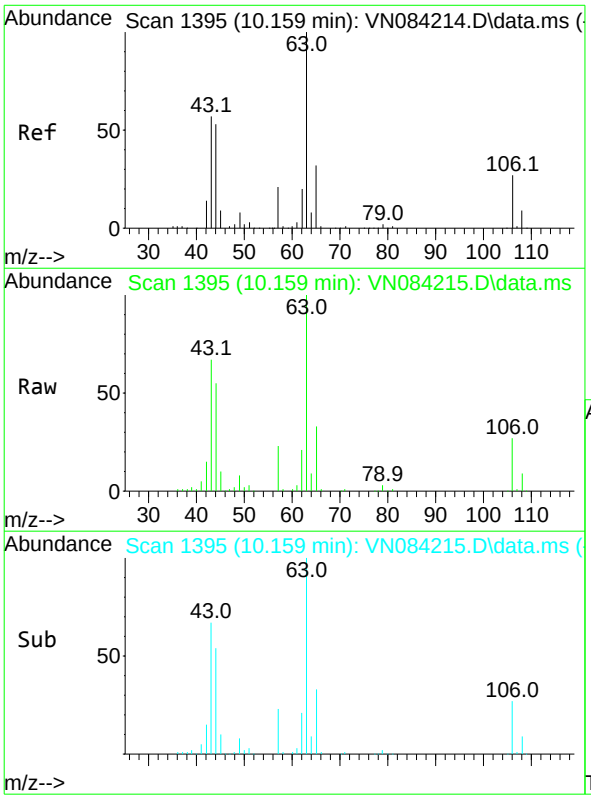
Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

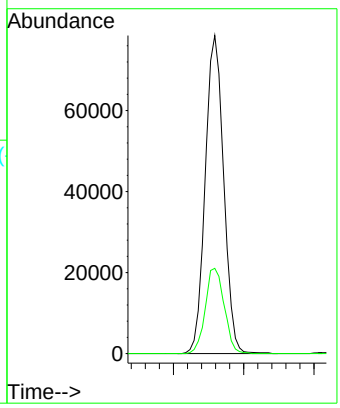
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

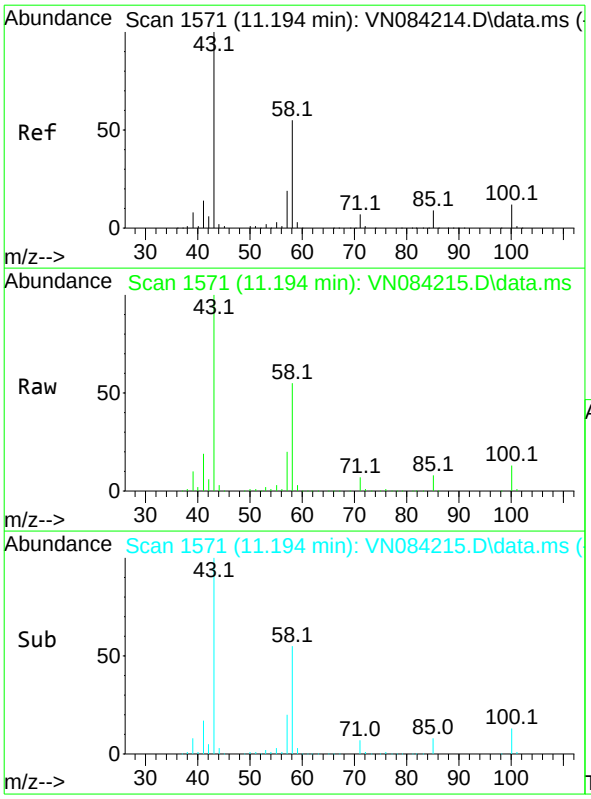


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

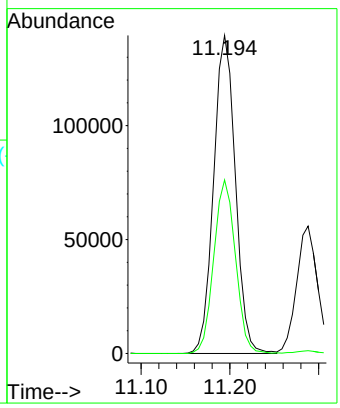




#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 237694

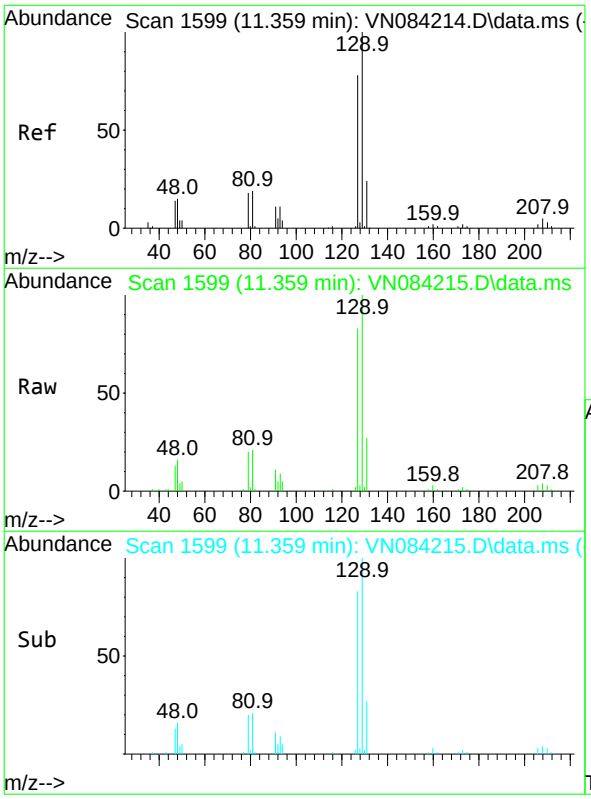
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

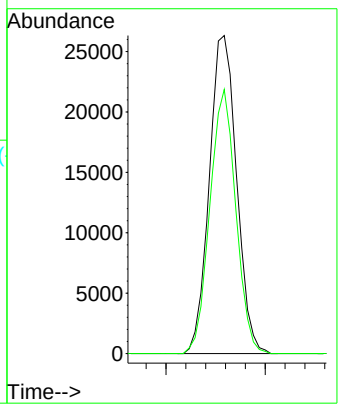
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

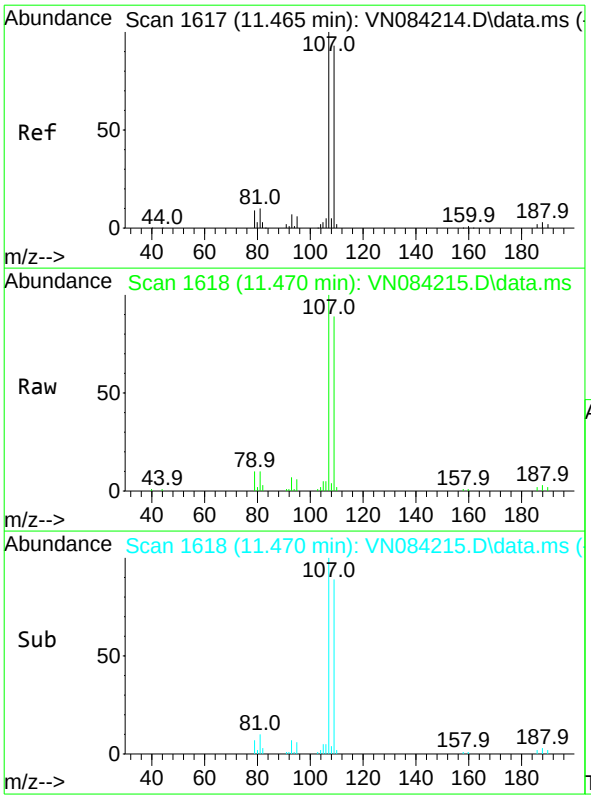


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9

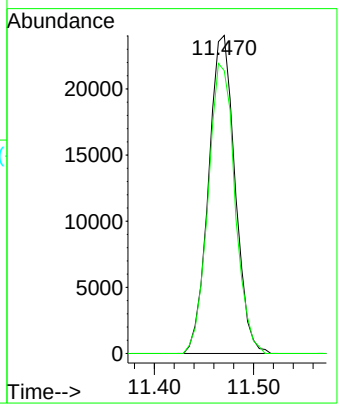




#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:107 Resp: 44554

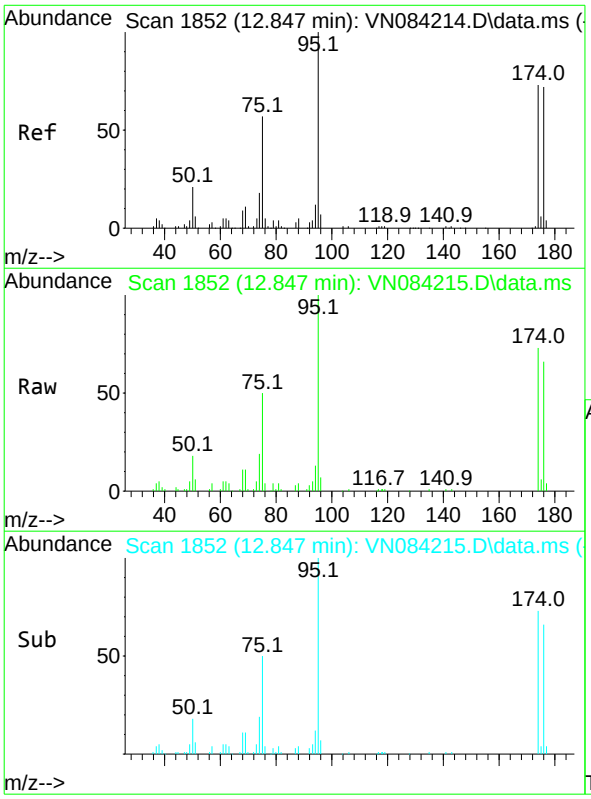
Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

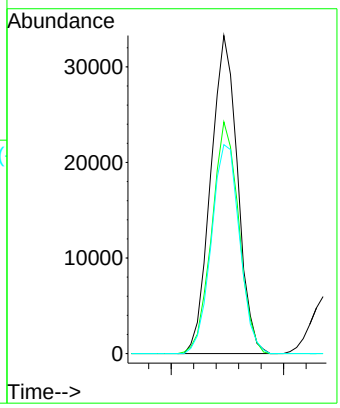
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

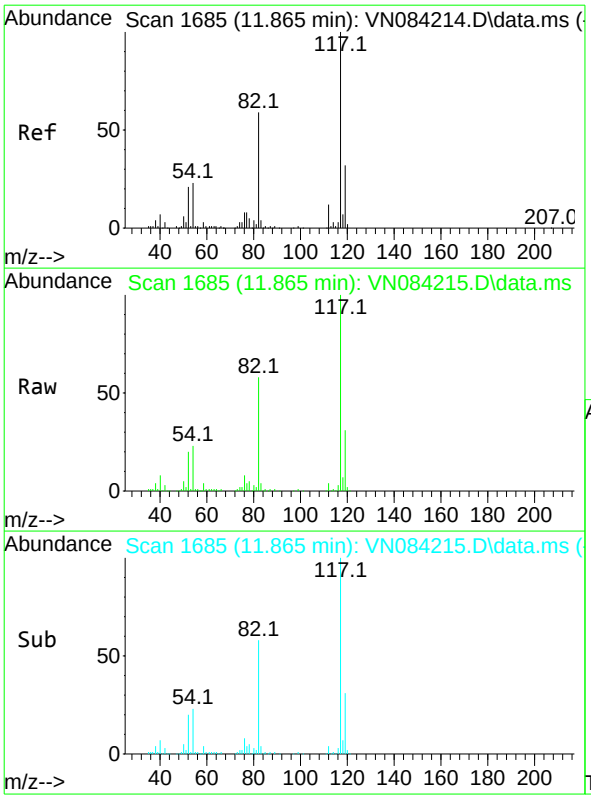


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

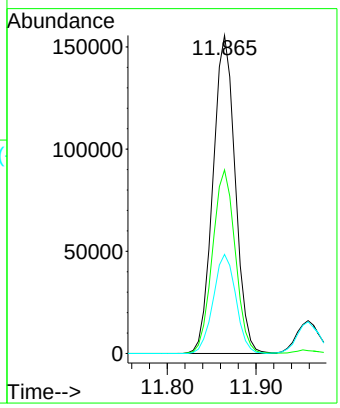




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 270754

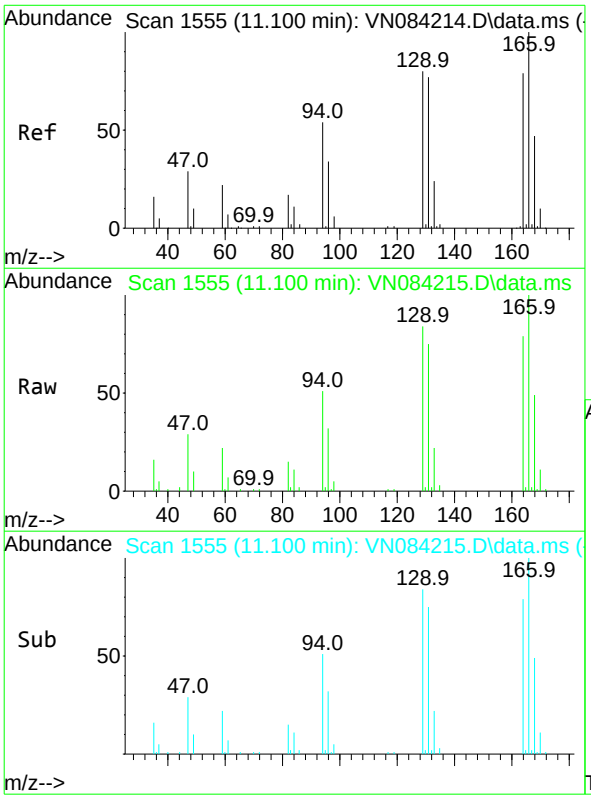
Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

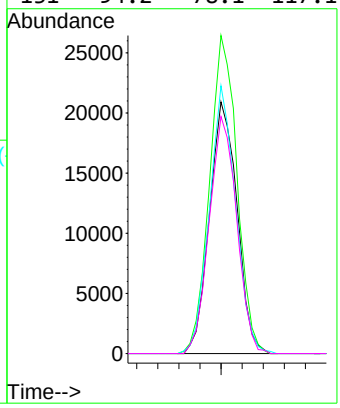
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

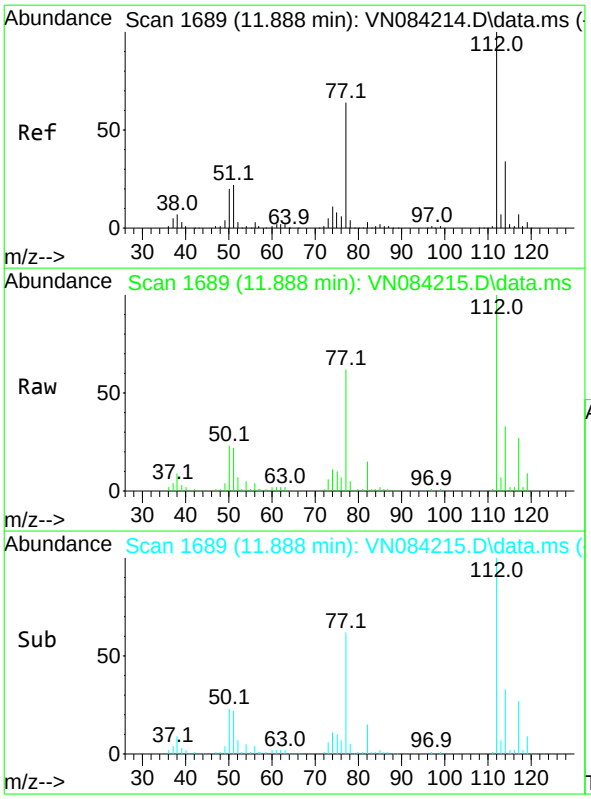


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

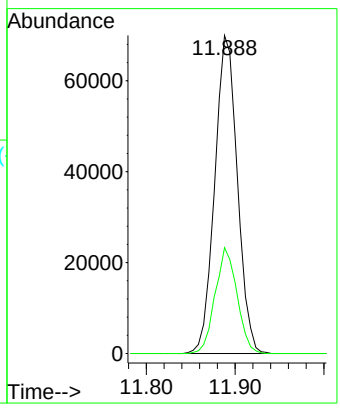




#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:112 Resp: 123787

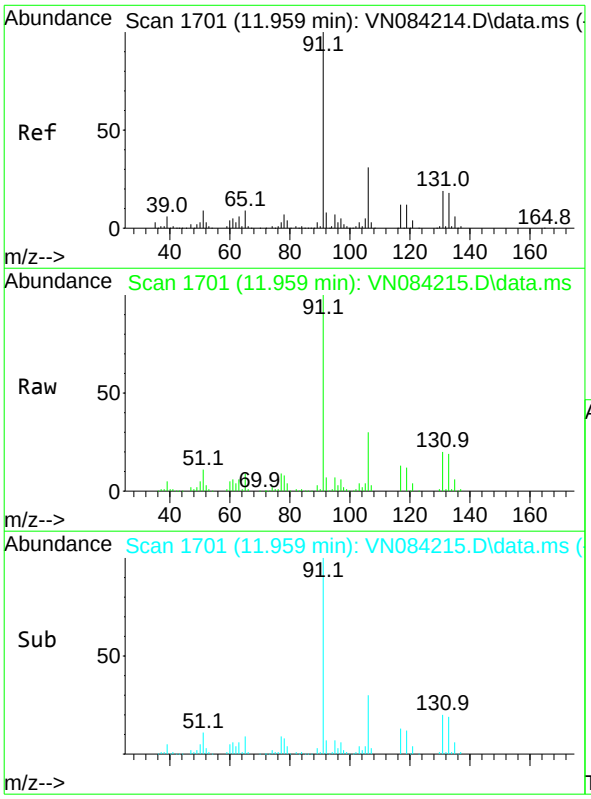
Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

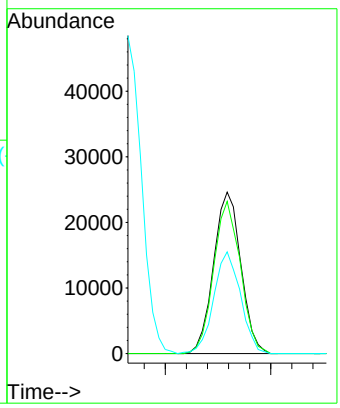
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

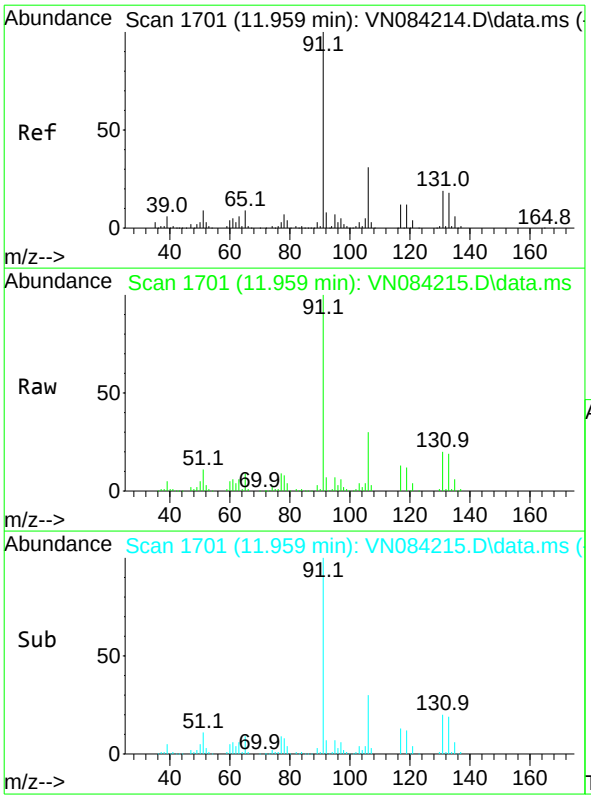


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

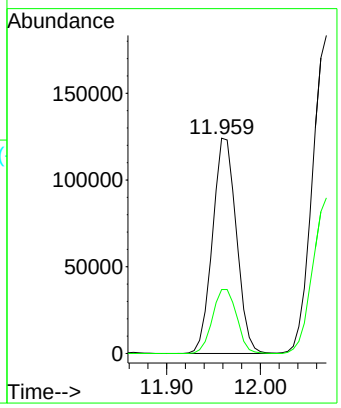




#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 219635

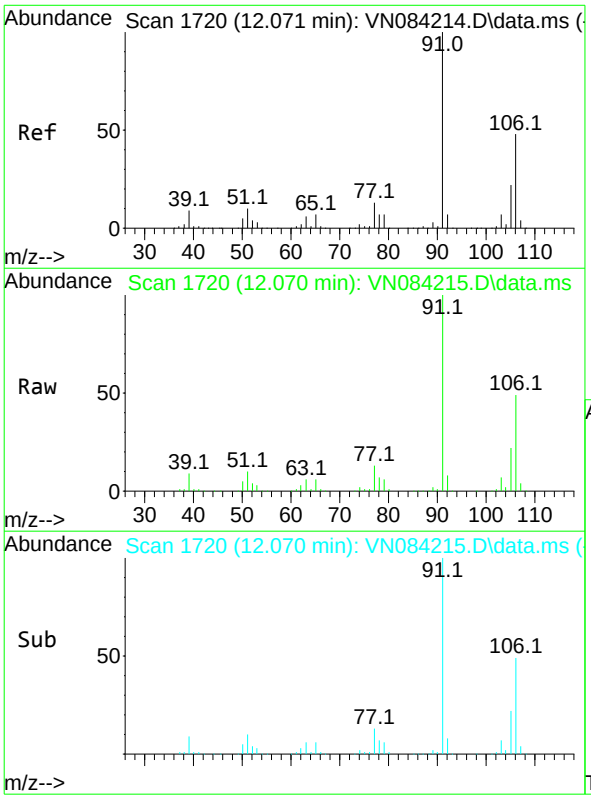
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

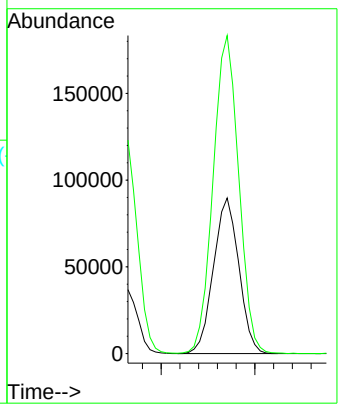
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

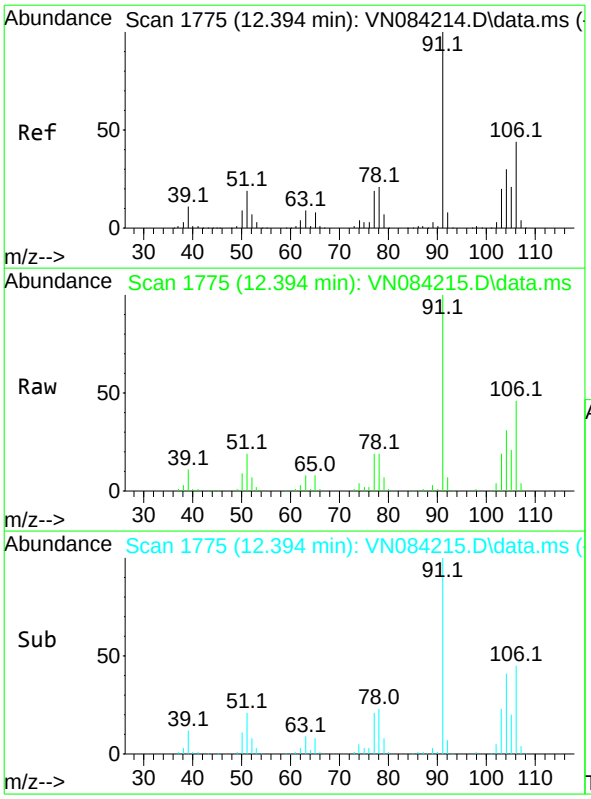


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7

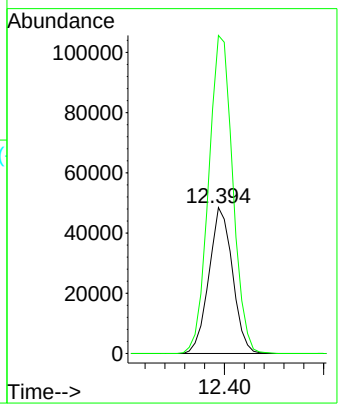




#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 79896

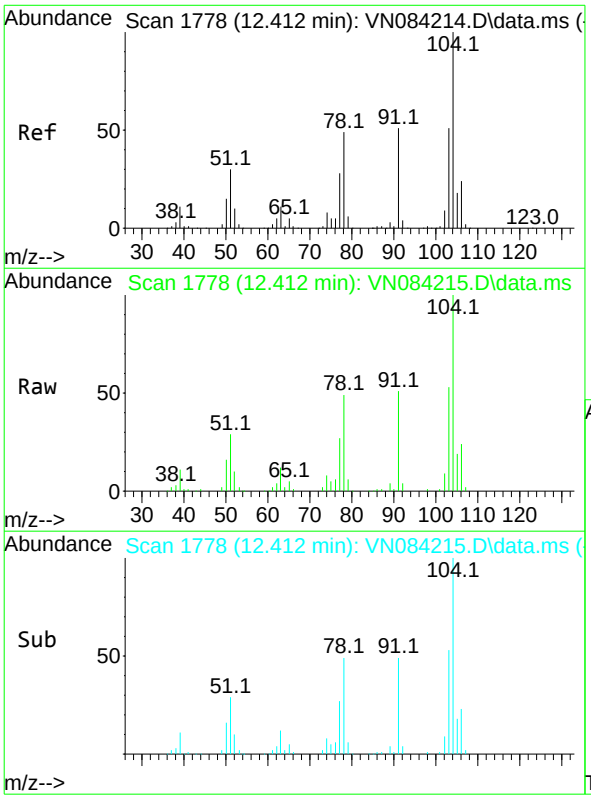
Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

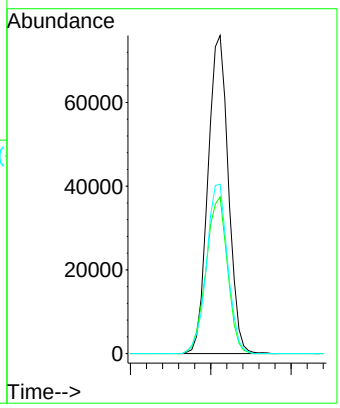
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

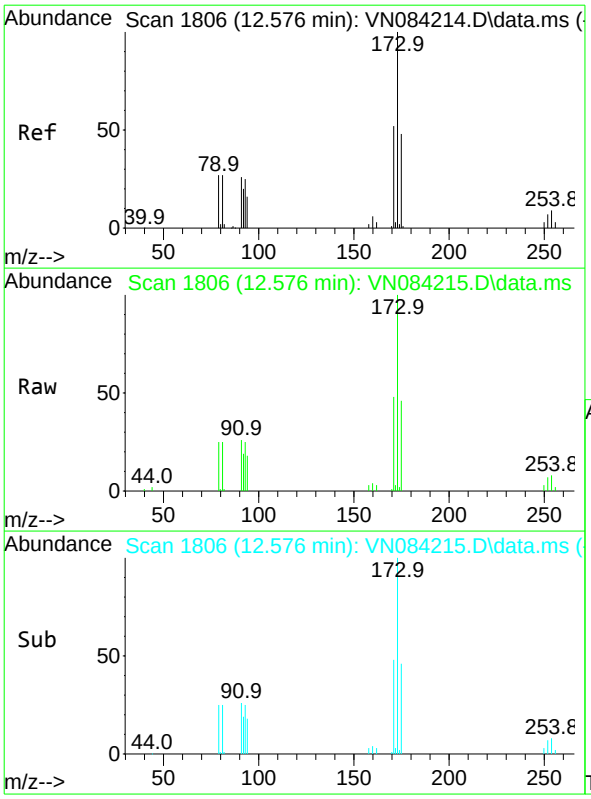


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

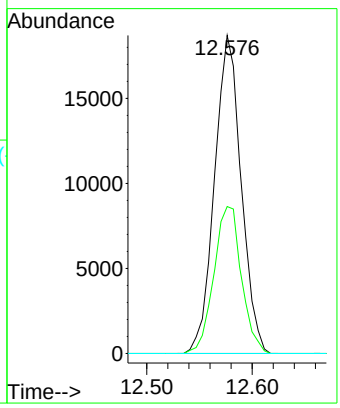




#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:173 Resp: 32824

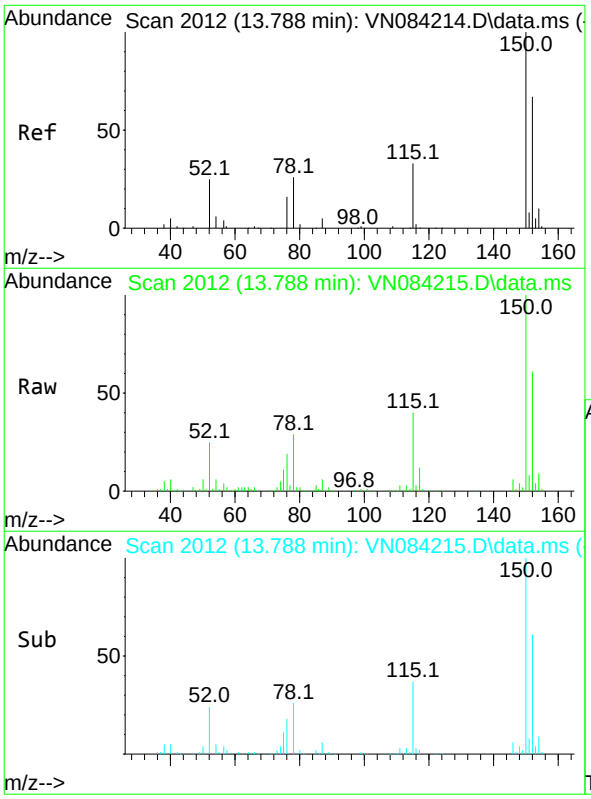
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

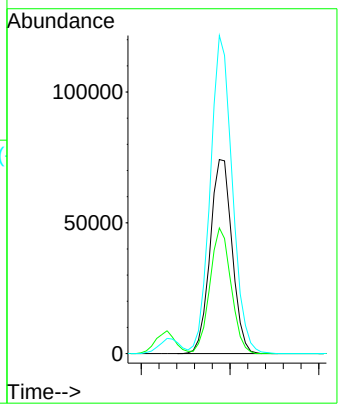
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

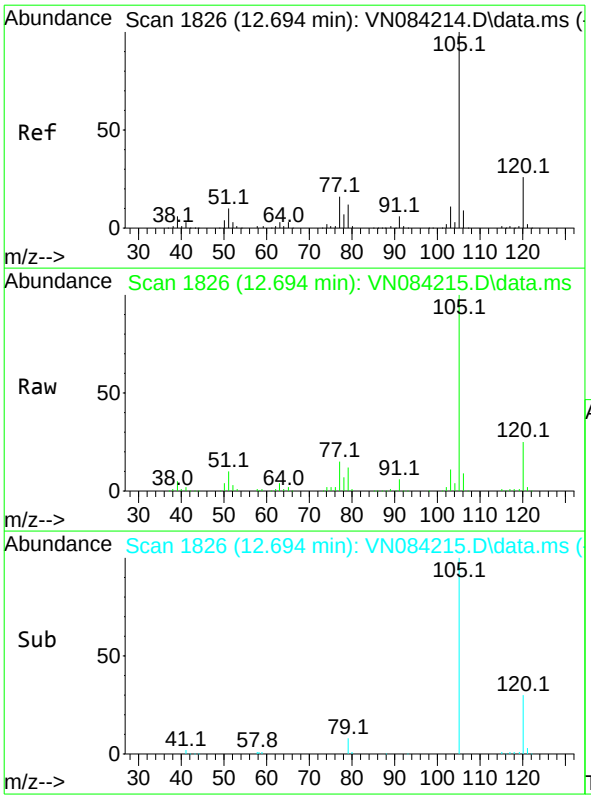


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

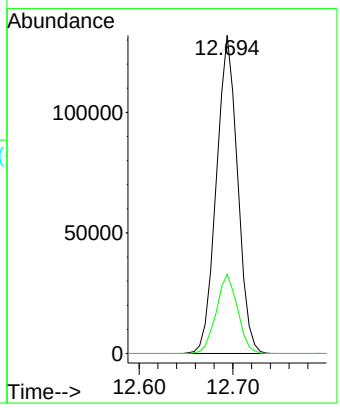




#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 207217

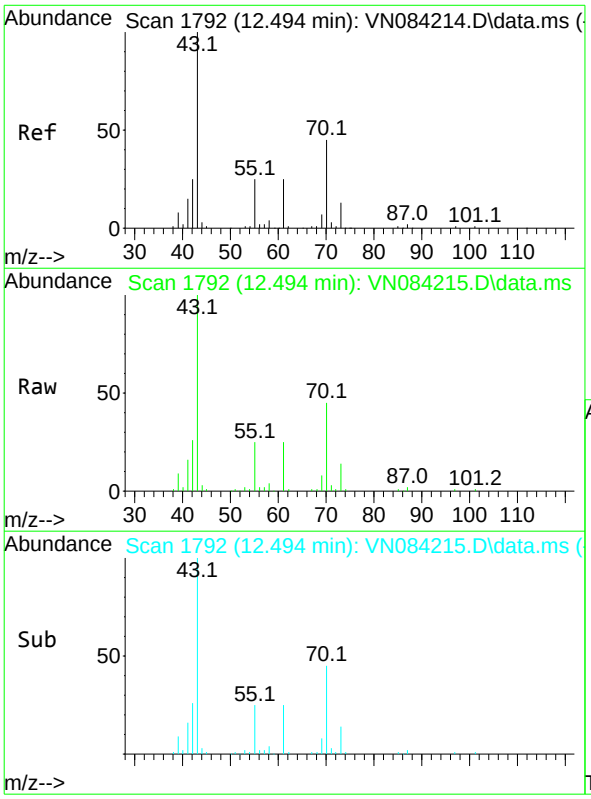
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

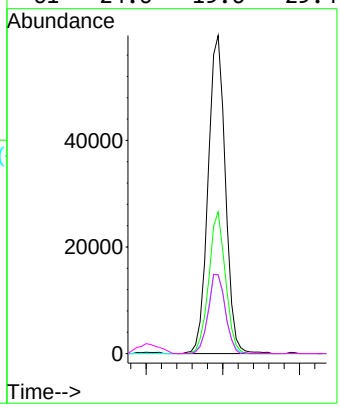
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

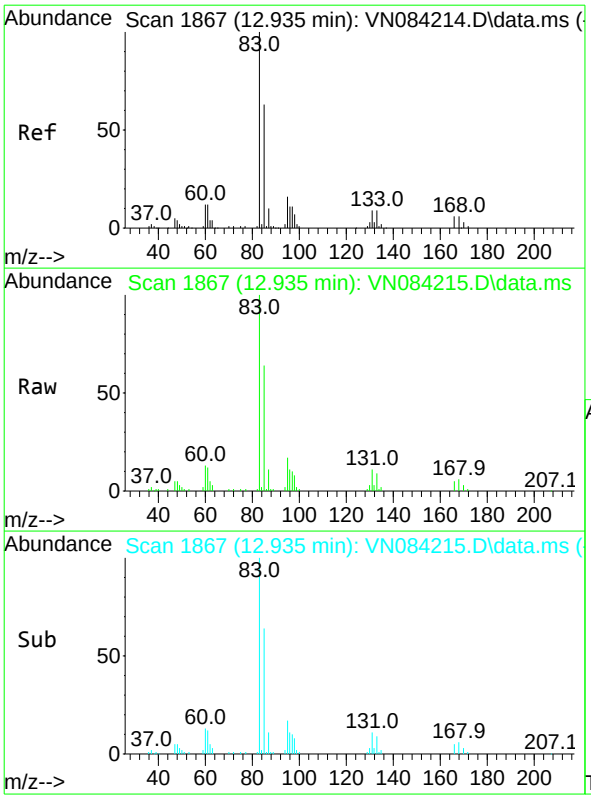


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

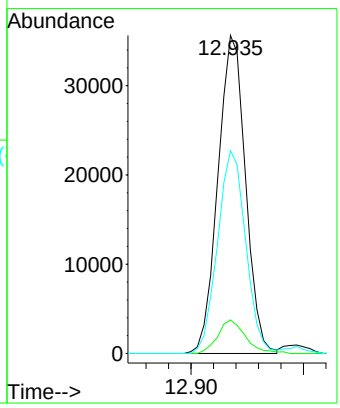




#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 60656

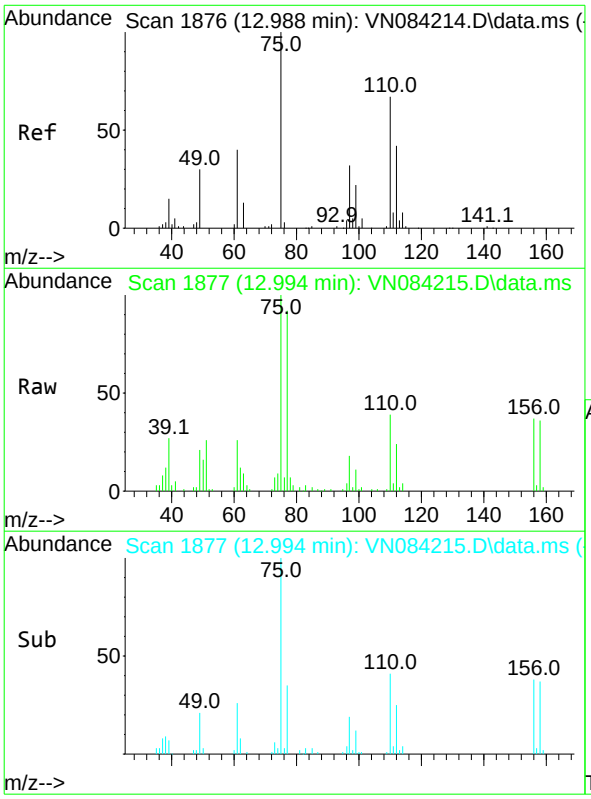
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

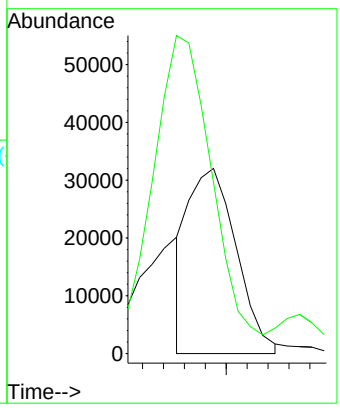
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

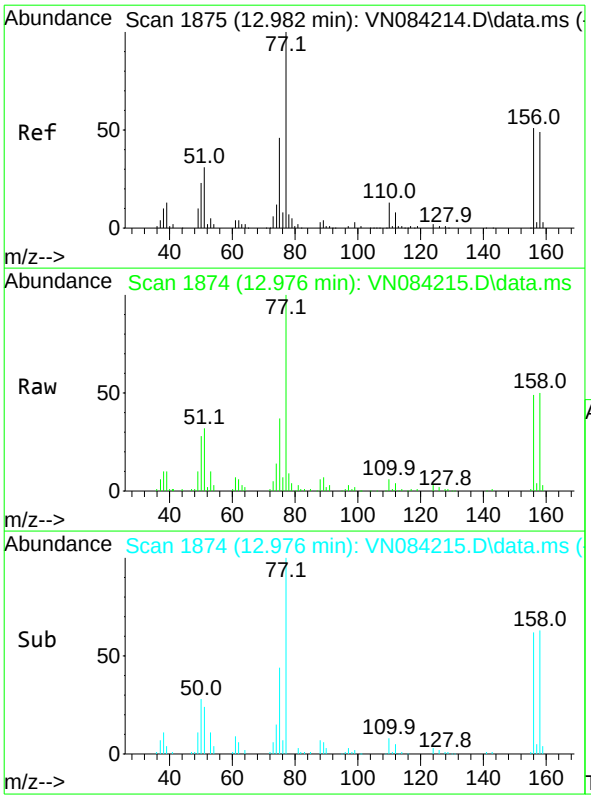


#76
1,2,3-Trichloropropane
Concen: 20.124 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 51246

Ion	Ratio	Lower	Upper
75	100		
77	216.2	96.9	290.7

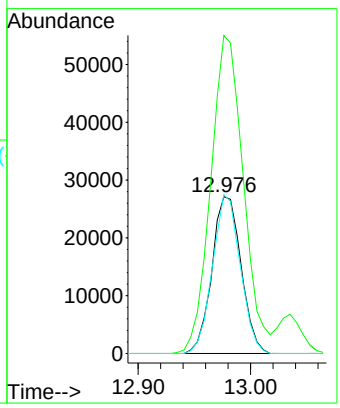




#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:156 Resp: 48803

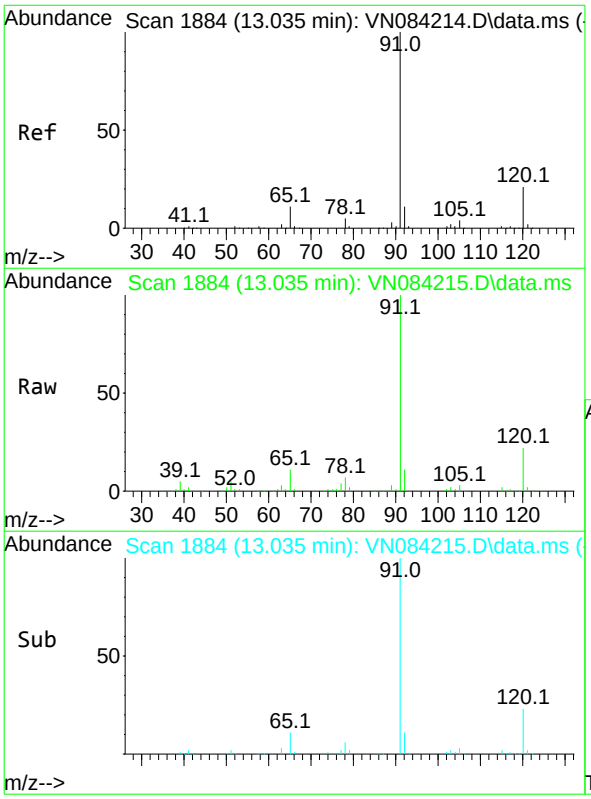
Ion	Ratio	Lower	Upper
156	100		
77	227.1	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

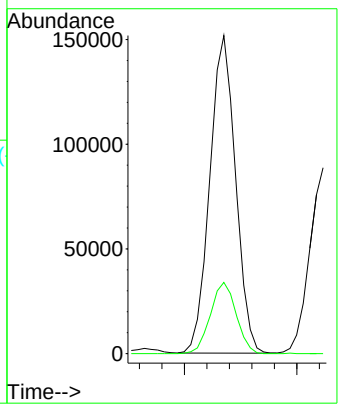
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

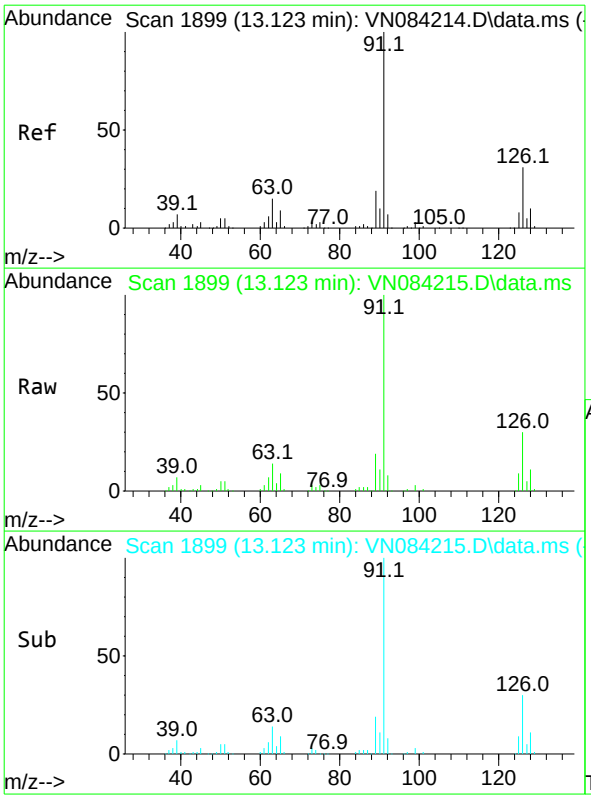


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

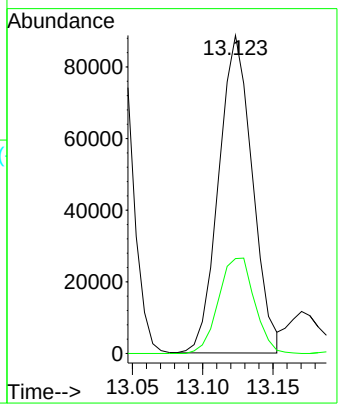




#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 147738

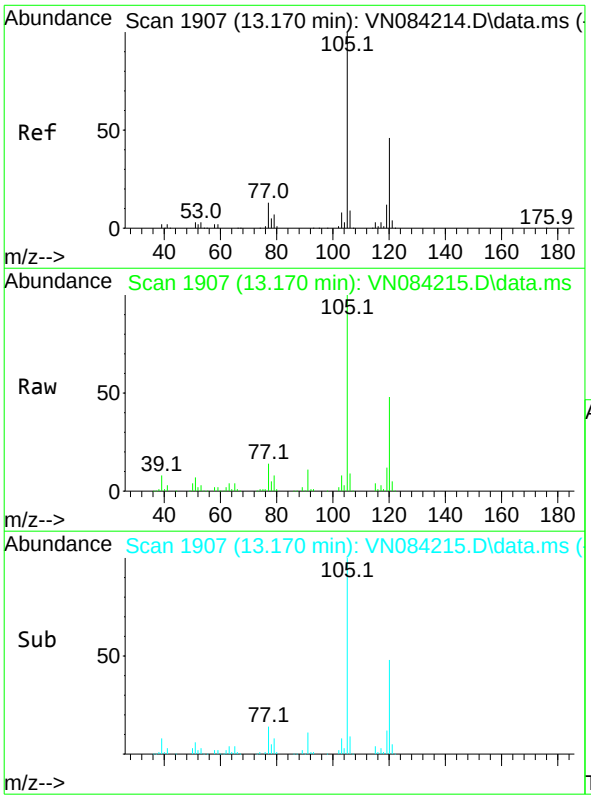
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

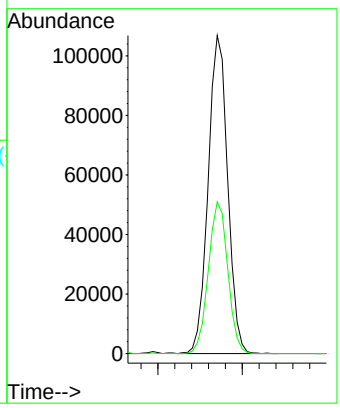
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

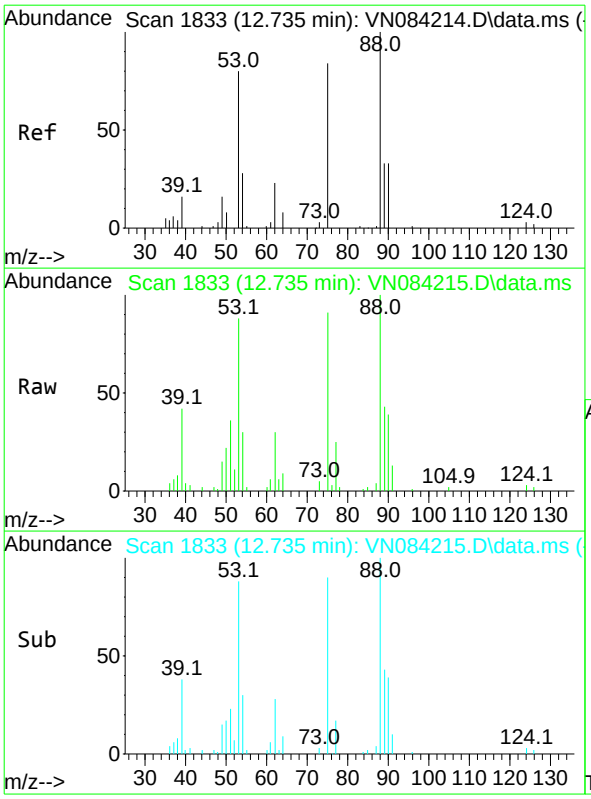


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

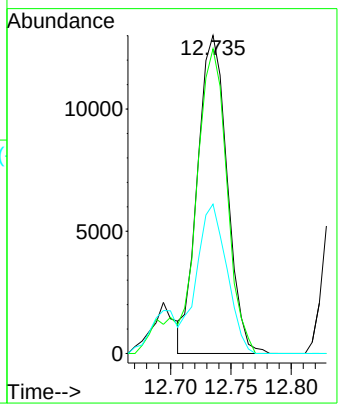
Tgt Ion: 75 Resp: 22222

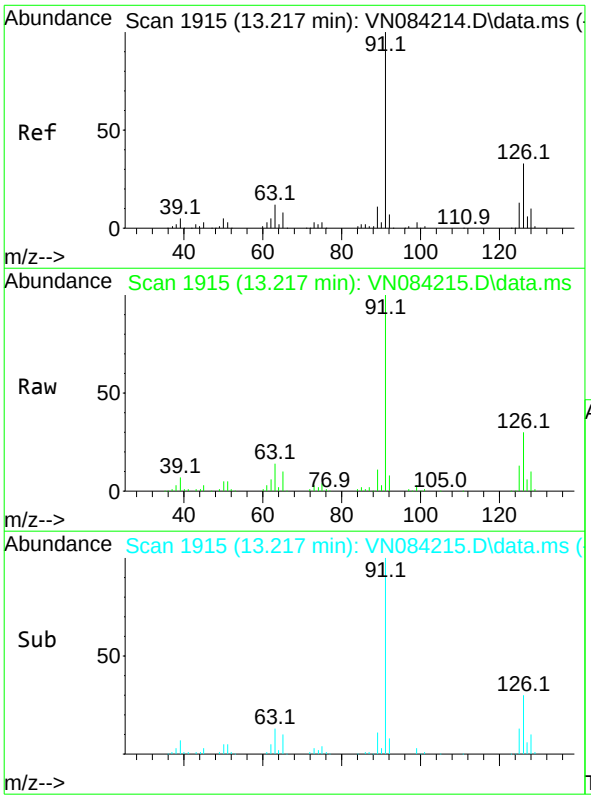
Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.0	117.0
89	48.1	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

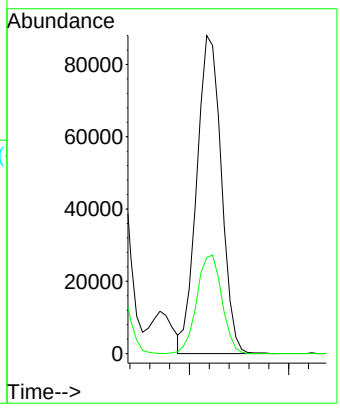


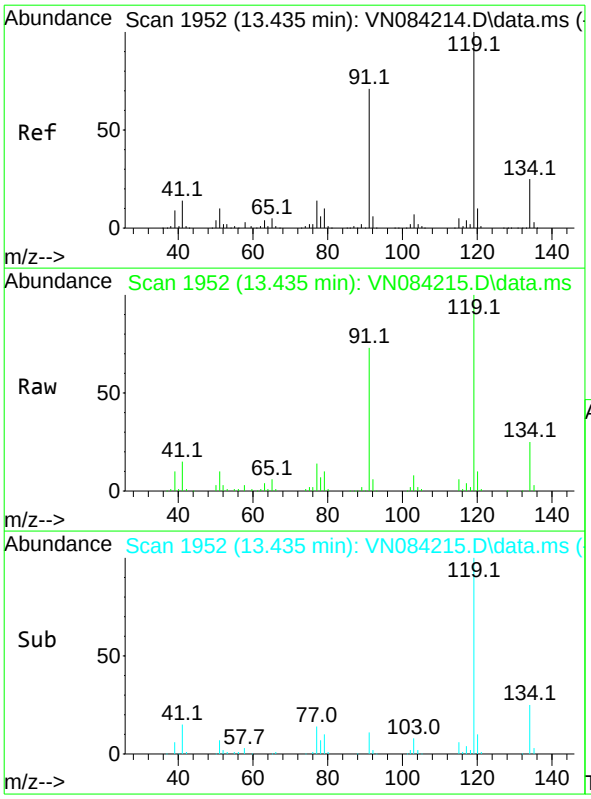


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

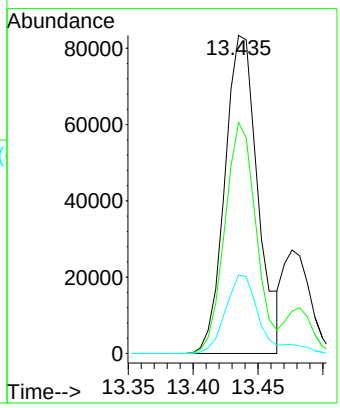




#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 147727

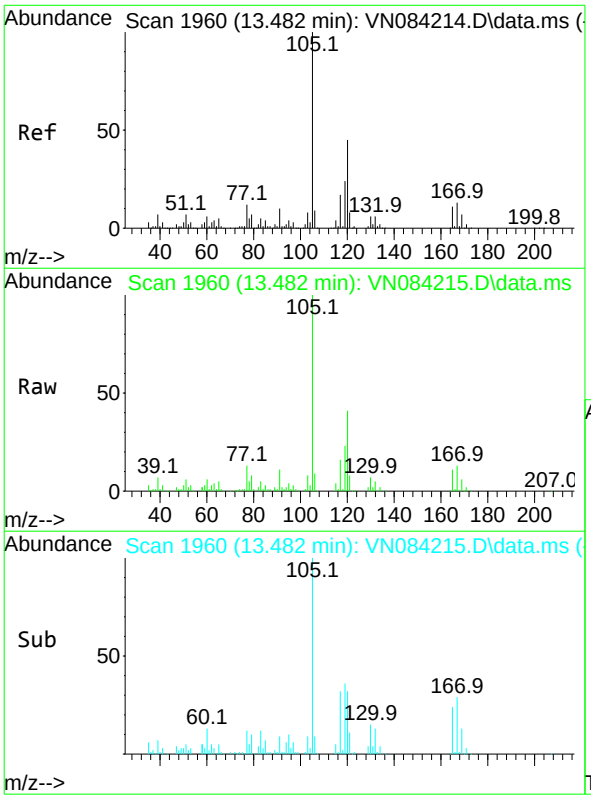
Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	25.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

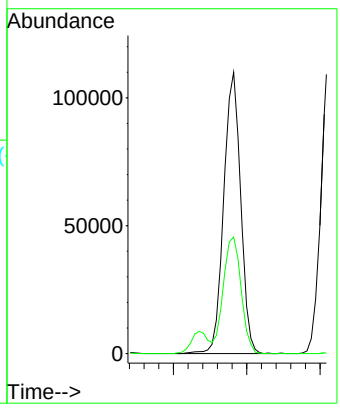
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

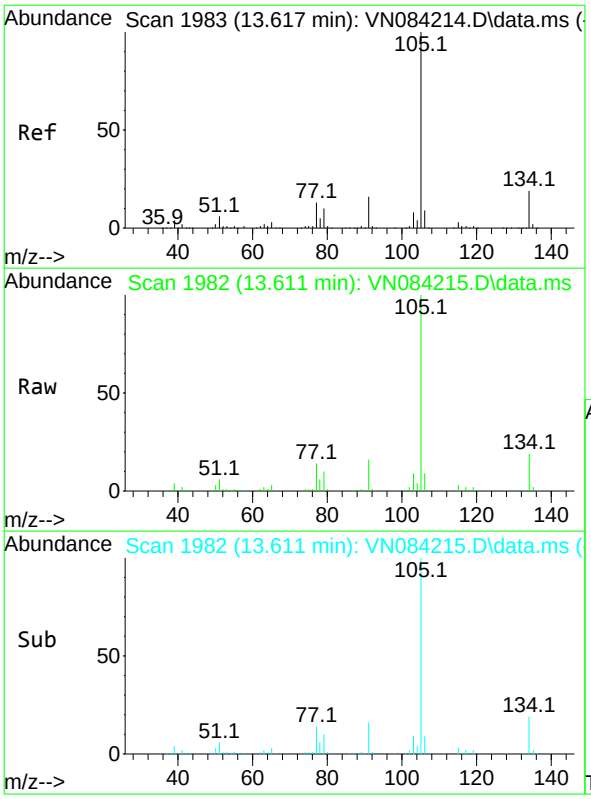


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8

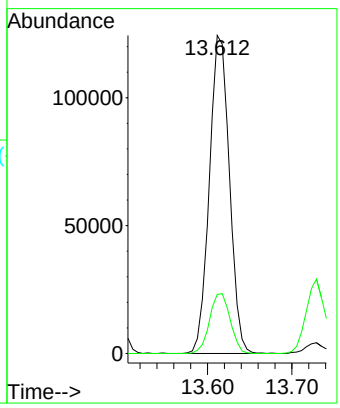




#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 205477

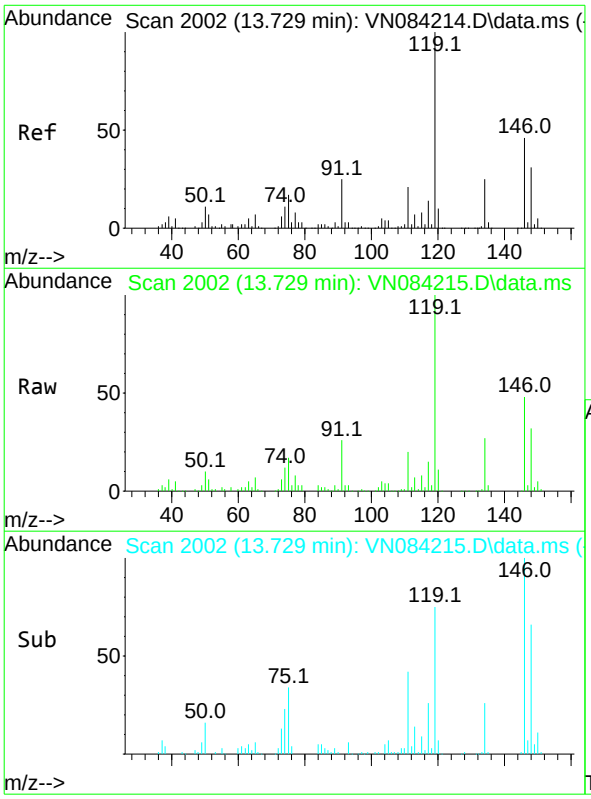
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

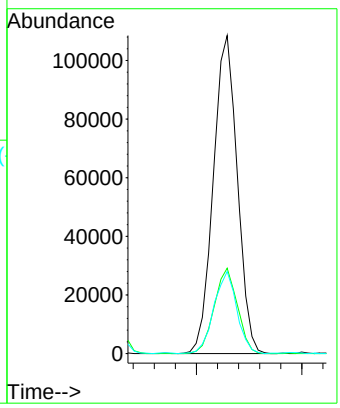
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

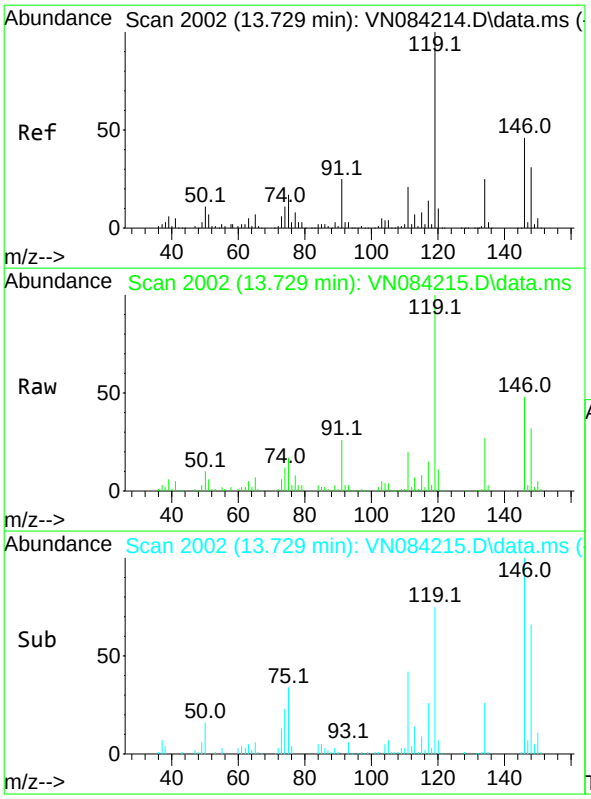


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

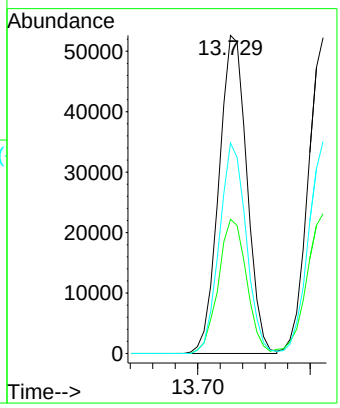




#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 90970

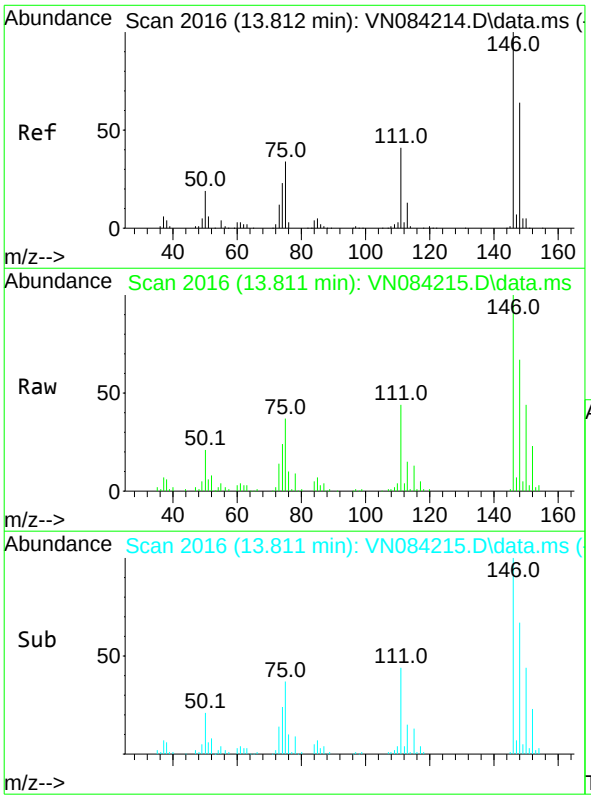
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

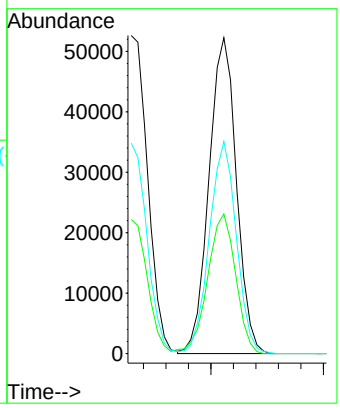
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

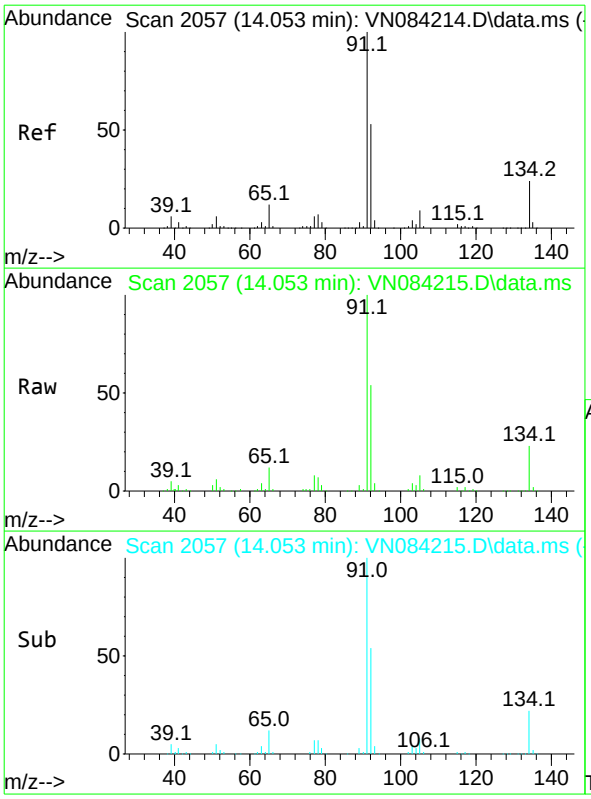


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

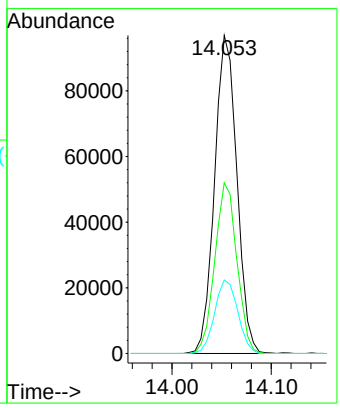




#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151334

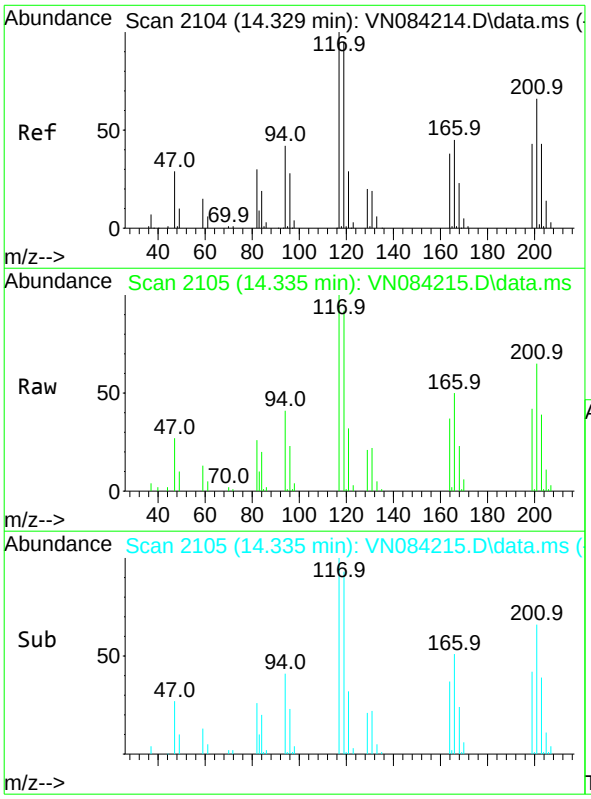
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

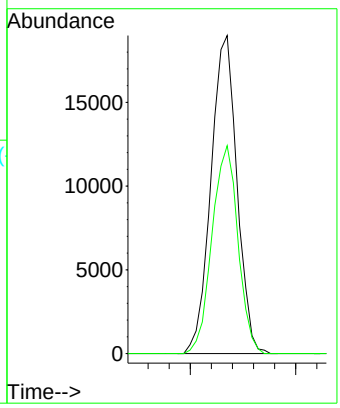
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

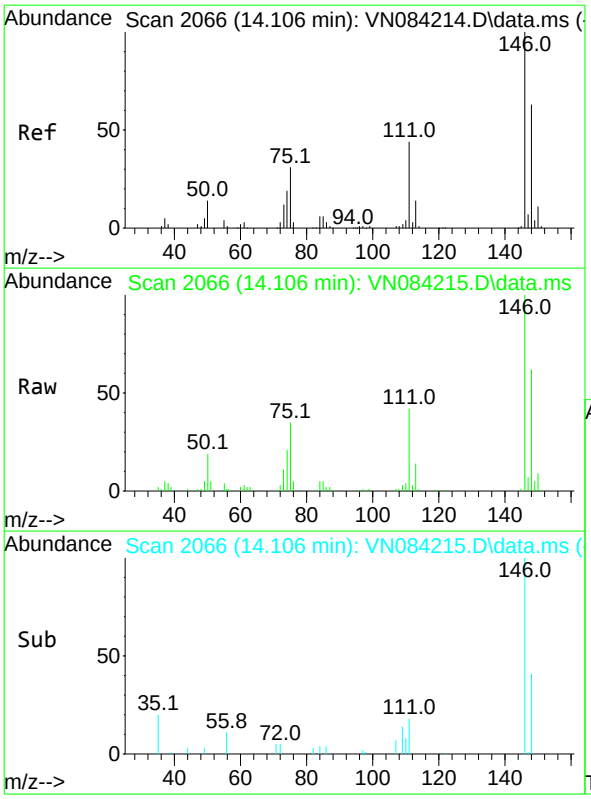


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

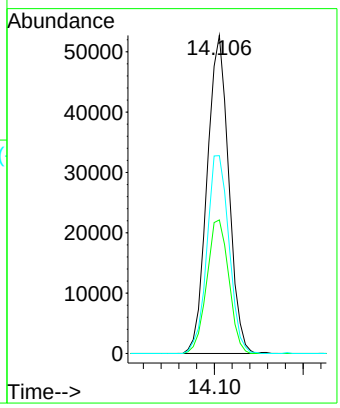




#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

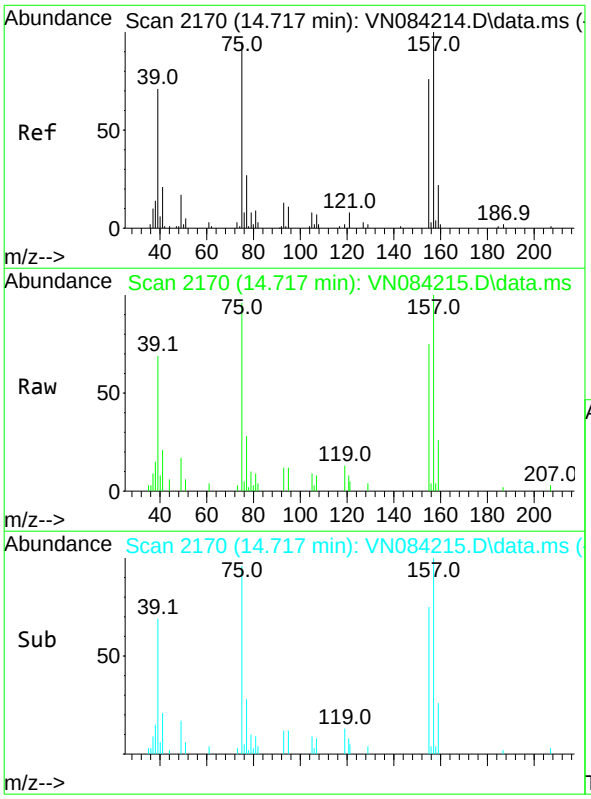
Tgt Ion:146 Resp: 88942

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

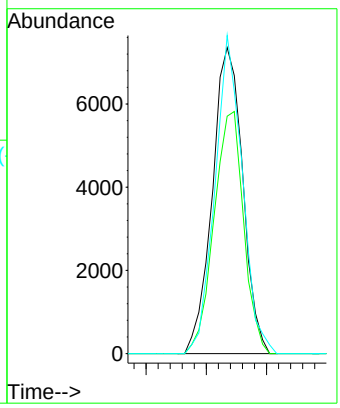
Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

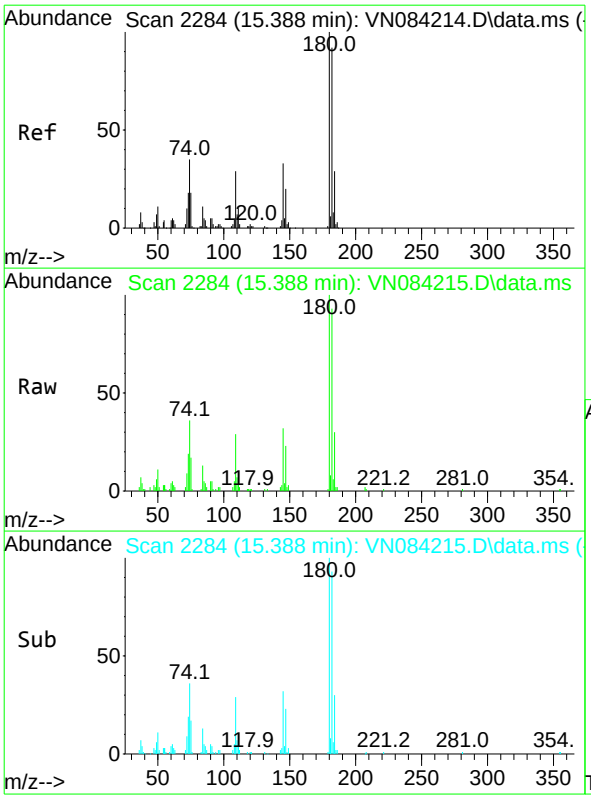


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

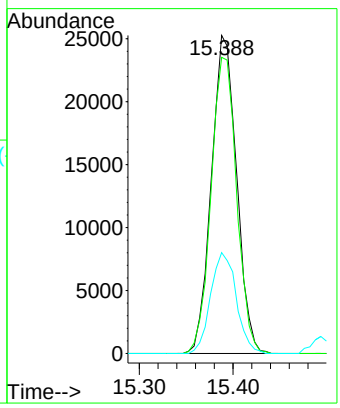




#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 47149

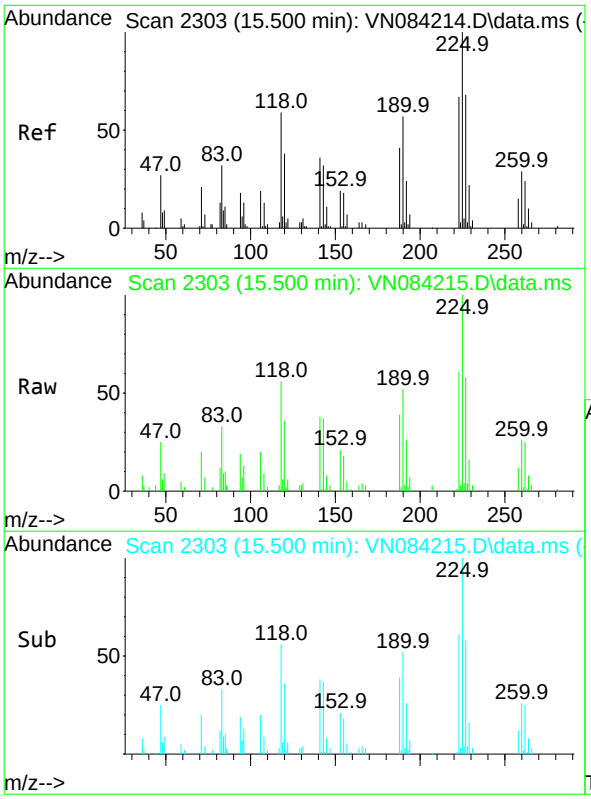
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

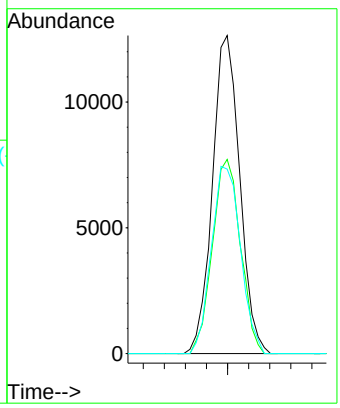
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

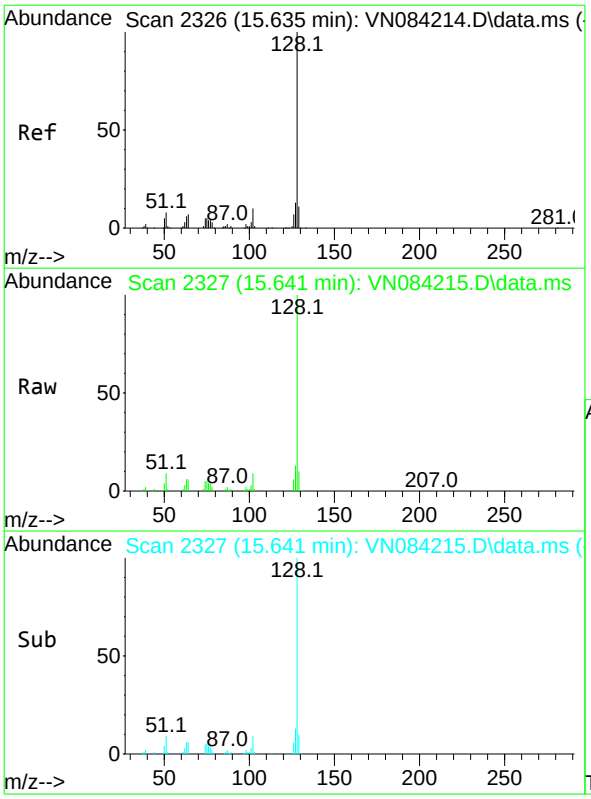


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

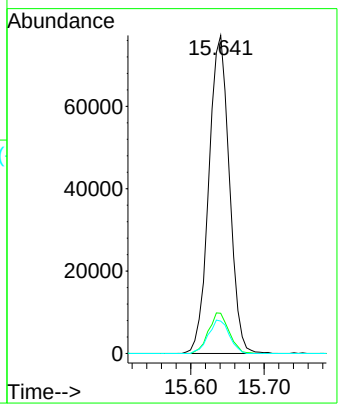




#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:128 Resp: 149988

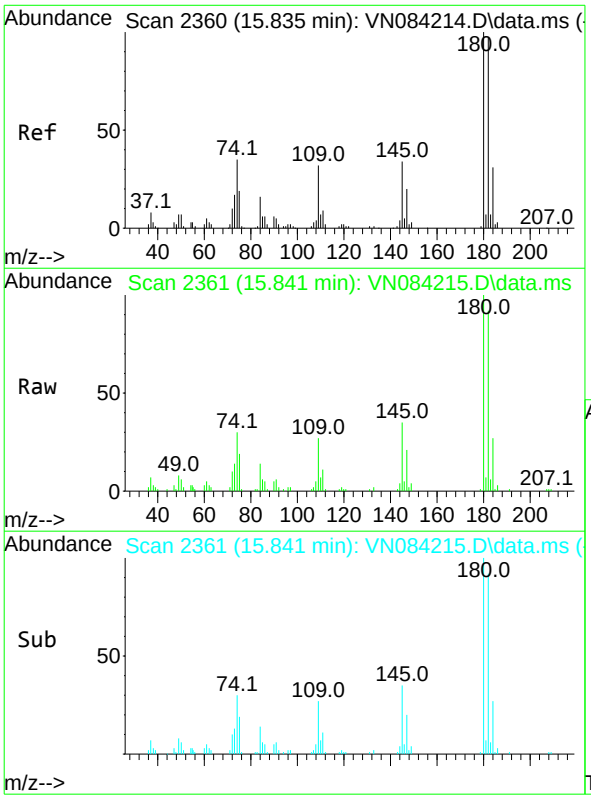
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

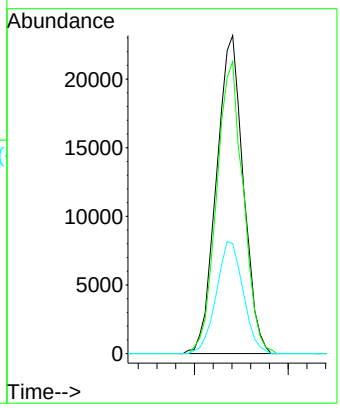
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

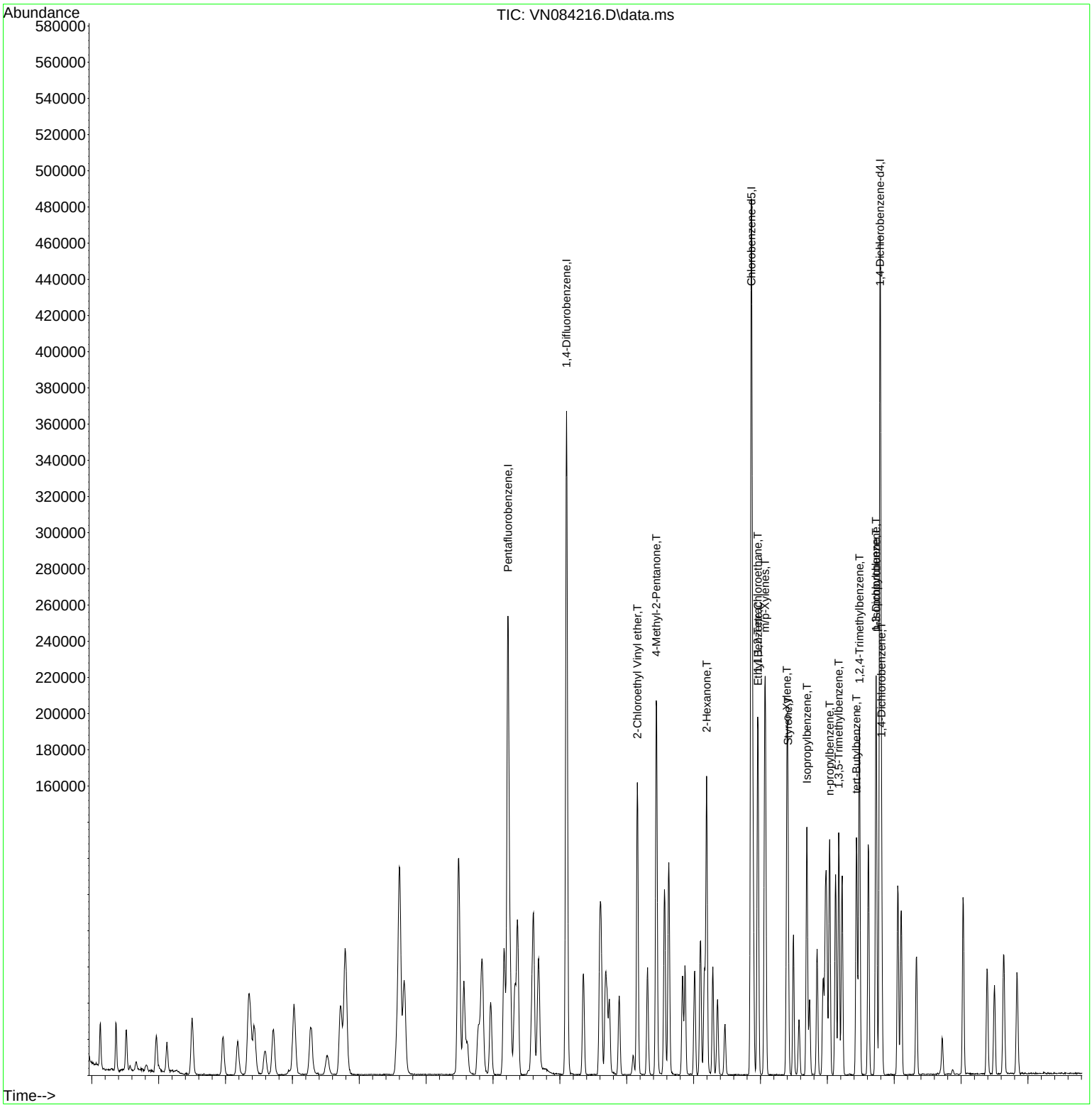
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Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

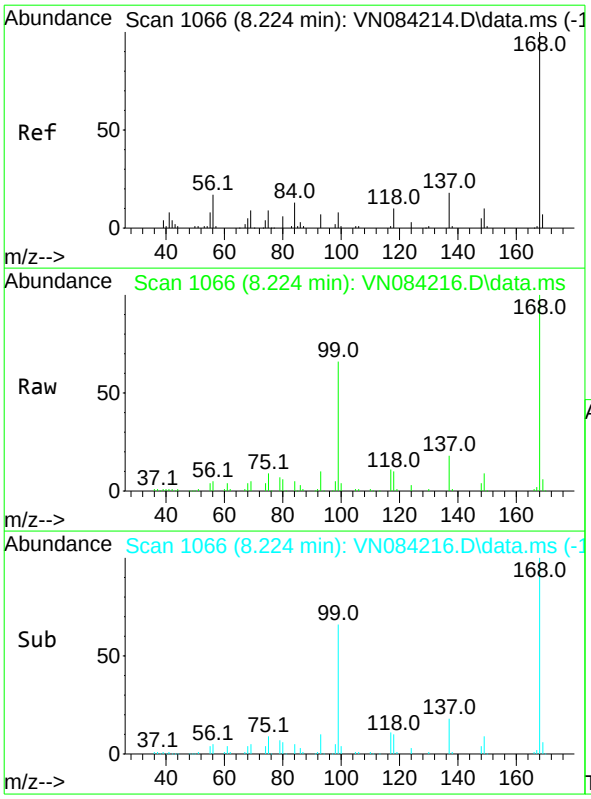
Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

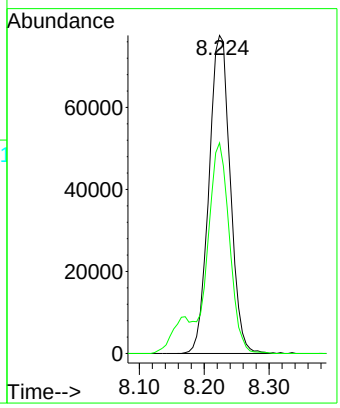




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:168 Resp: 176243

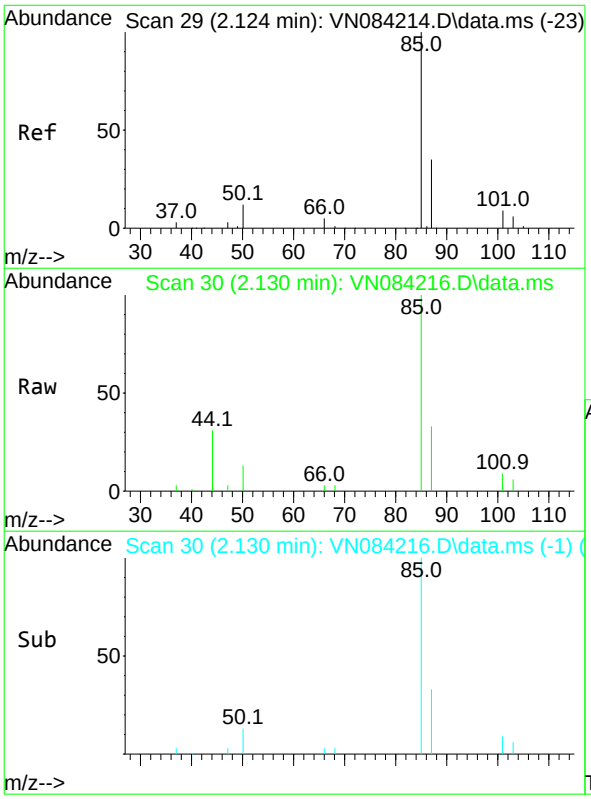
Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

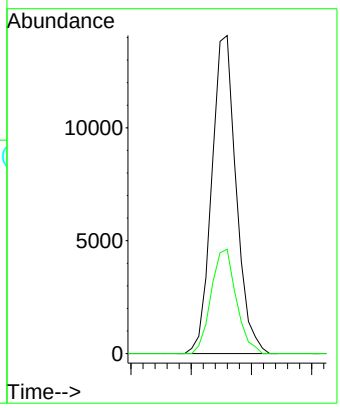
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

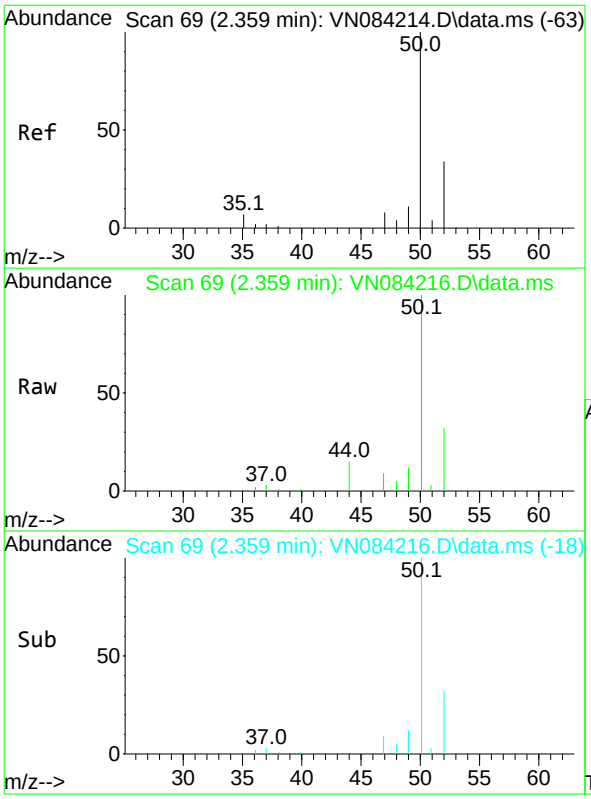


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9

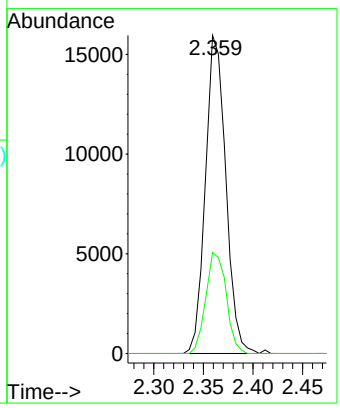




#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 50 Resp: 22840

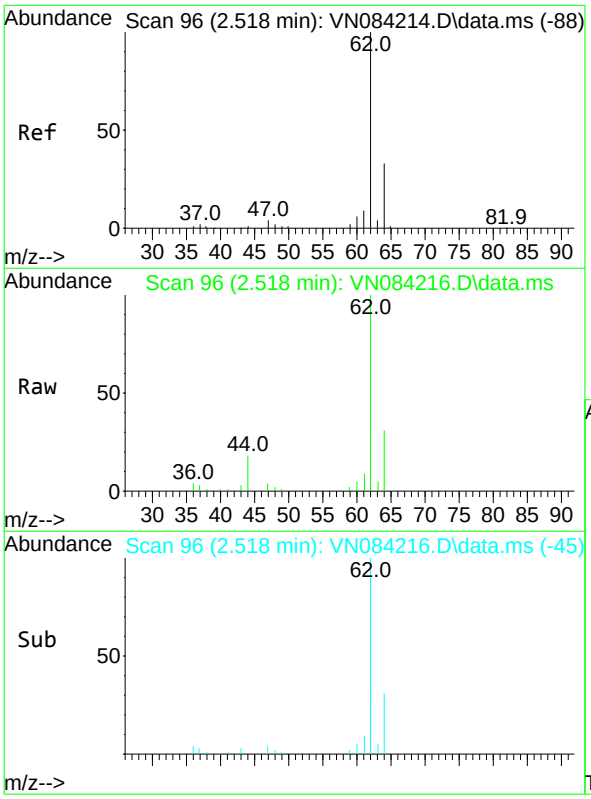
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

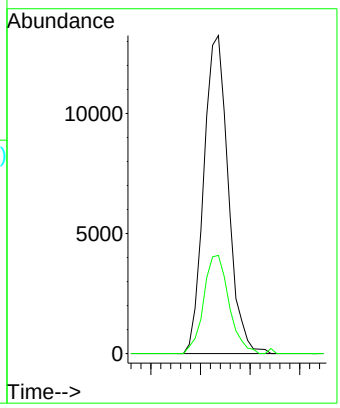
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

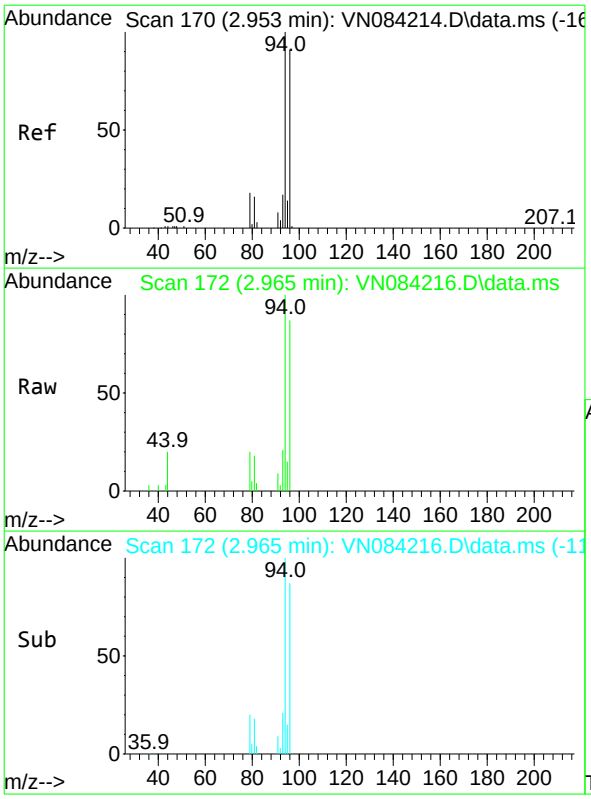


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

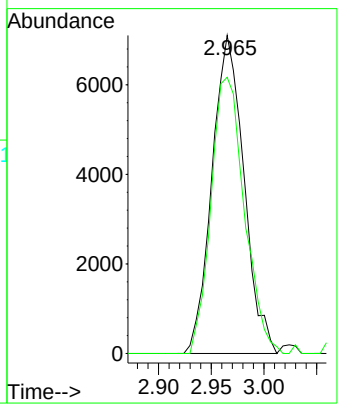




#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 94 Resp: 14957

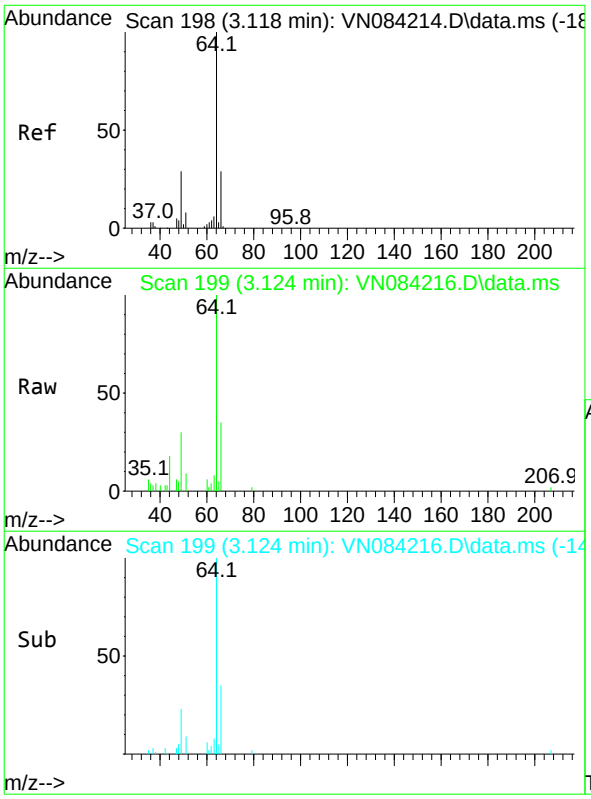
Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

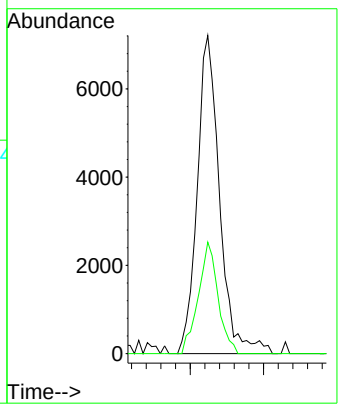
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

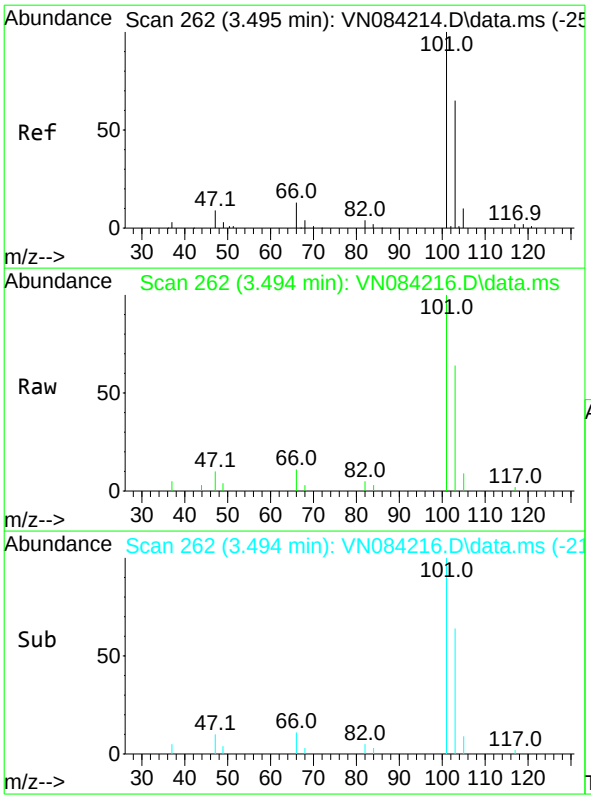


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3

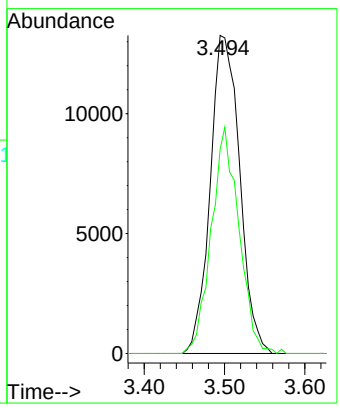




#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 33820

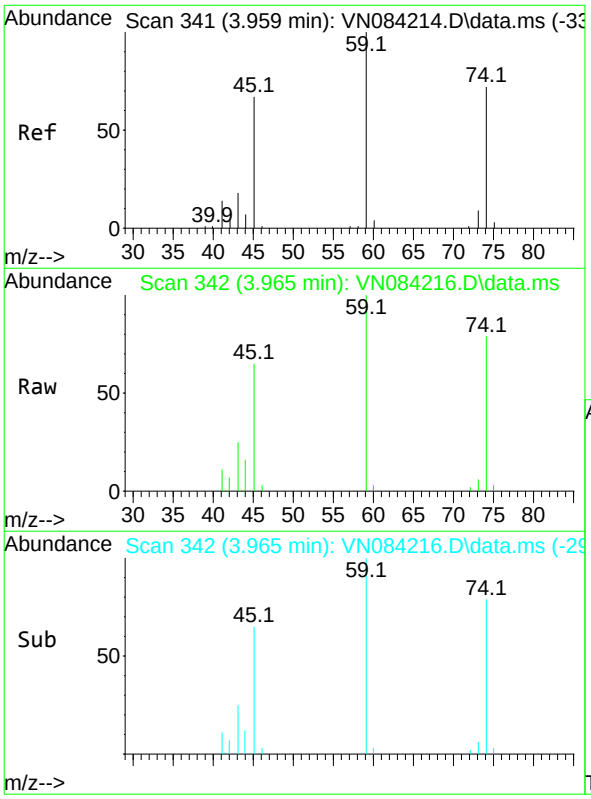
Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

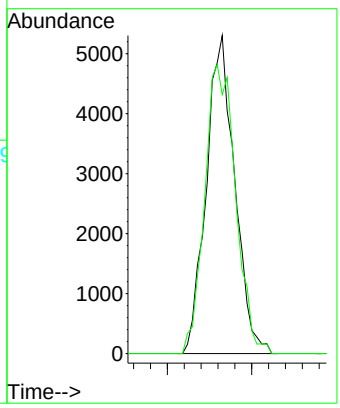
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

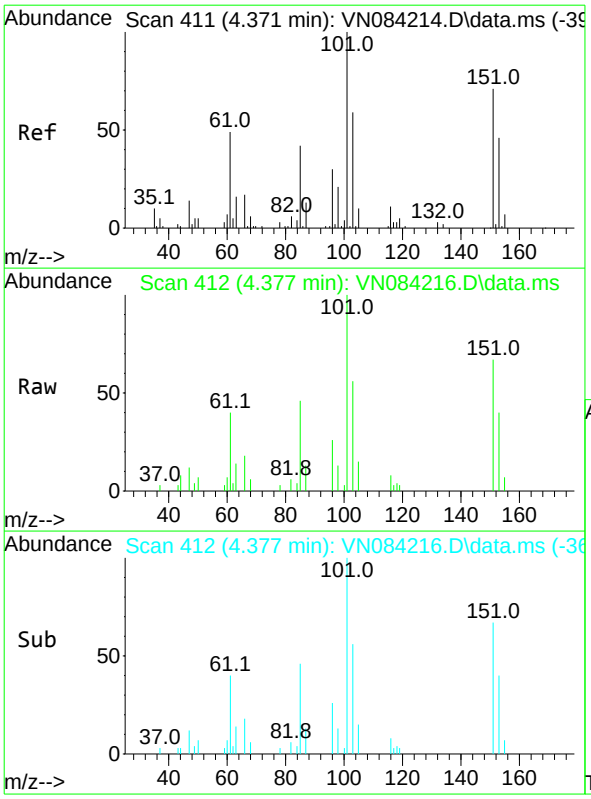


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1

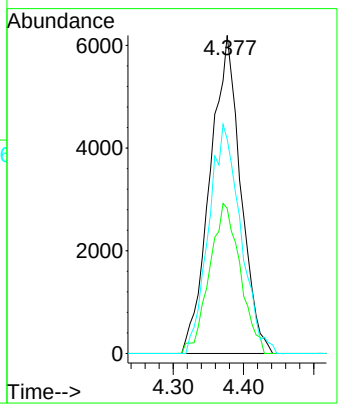




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 18747

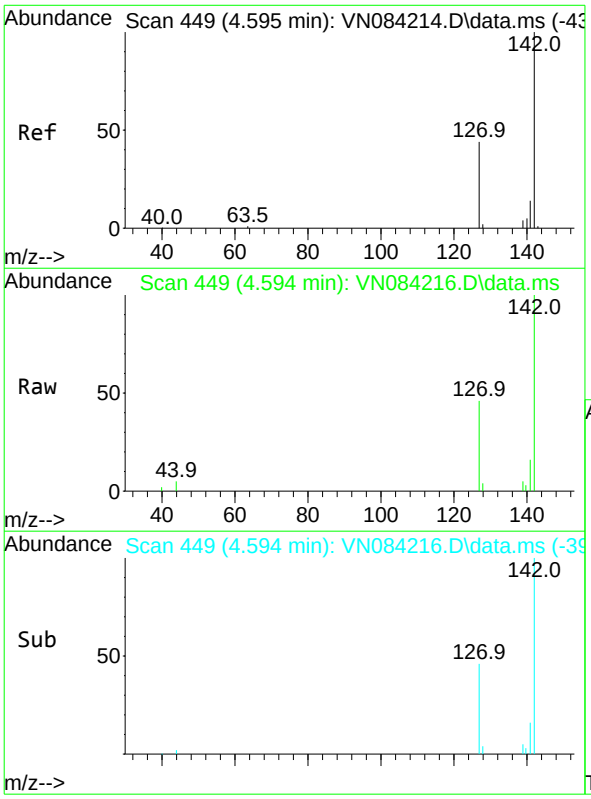
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	75.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

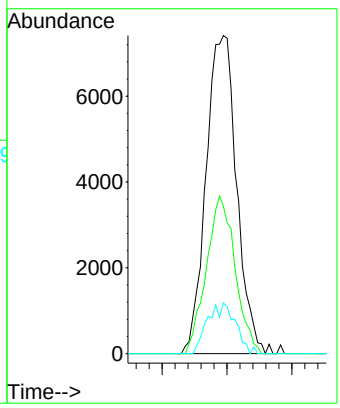
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

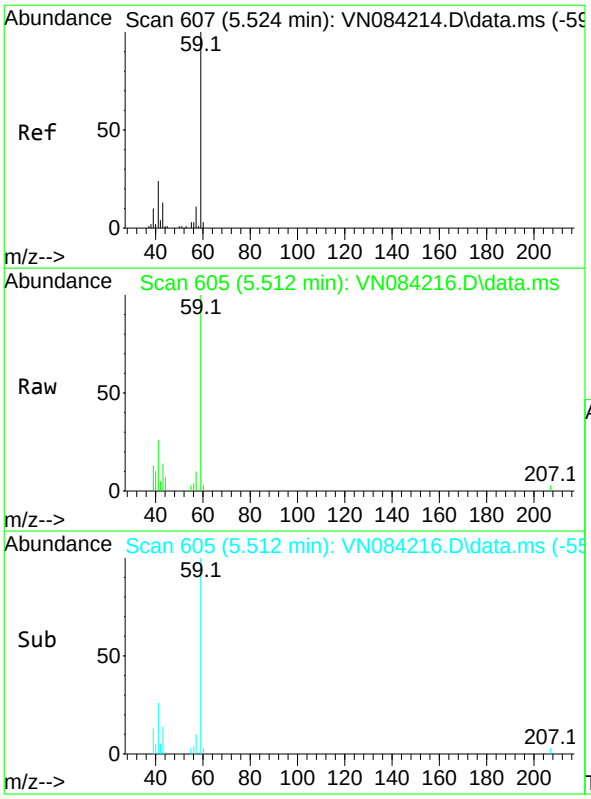


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

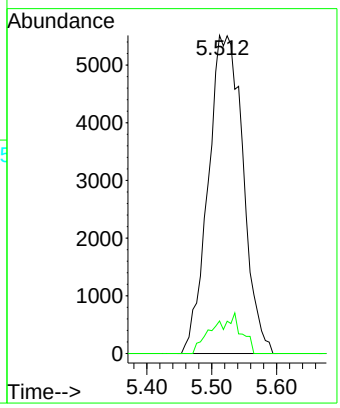




#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 59 Resp: 20490

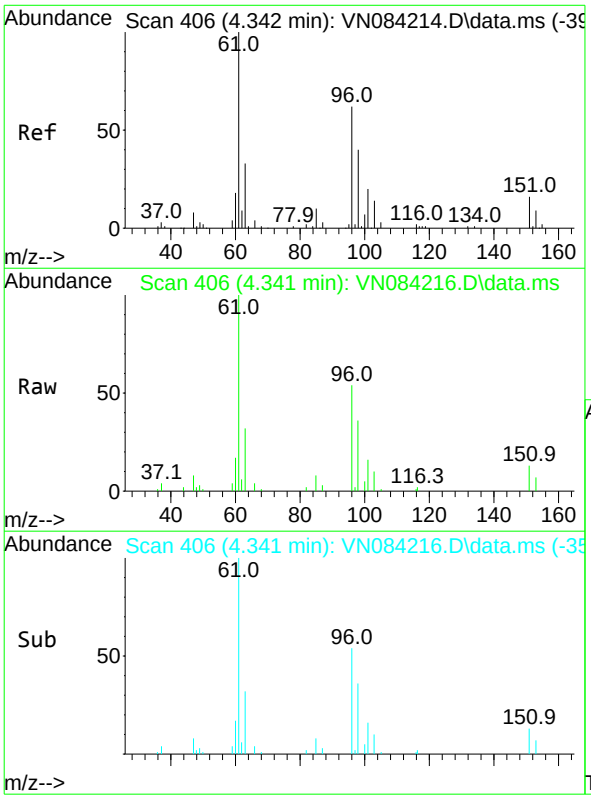
Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

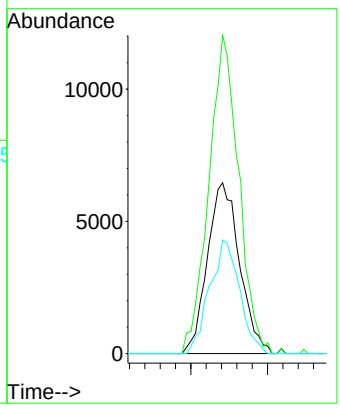
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

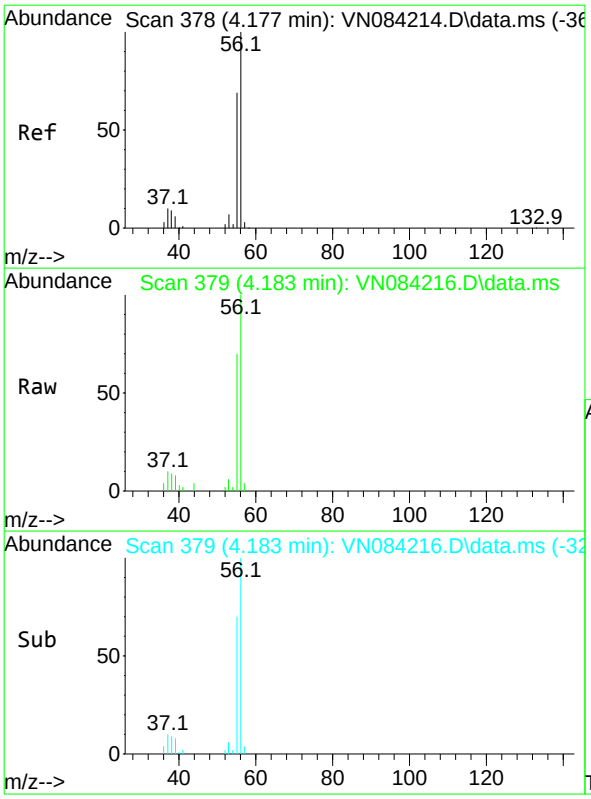


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

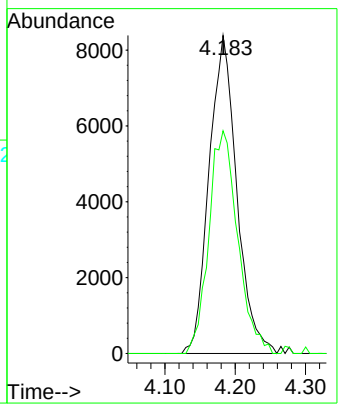




#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 22976

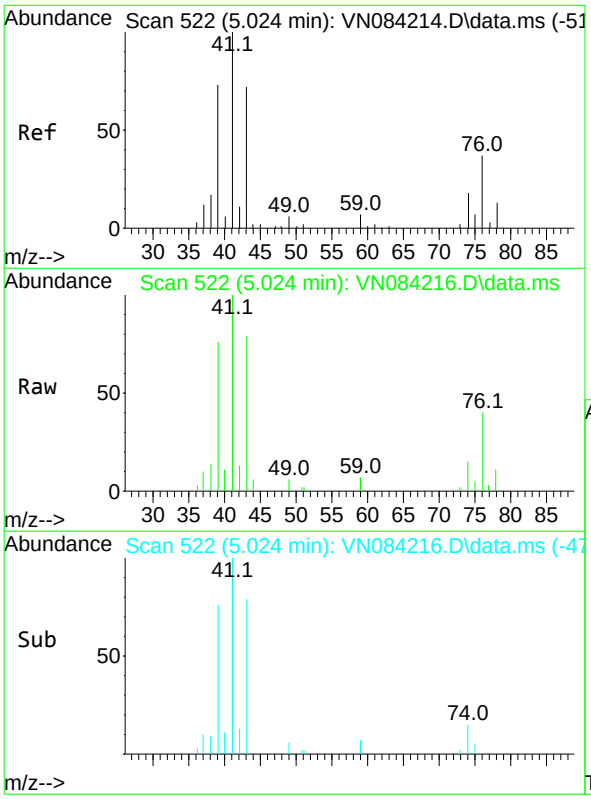
Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

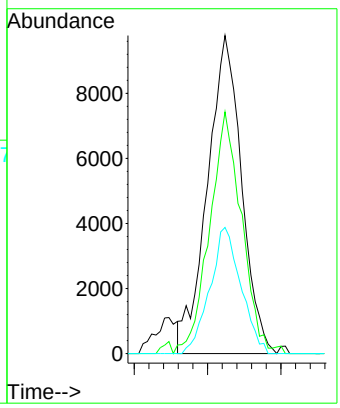
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

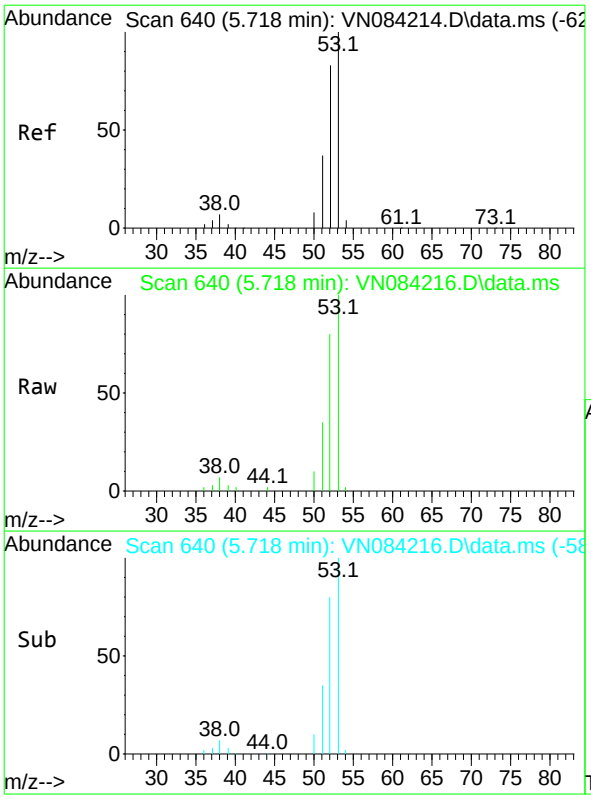


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

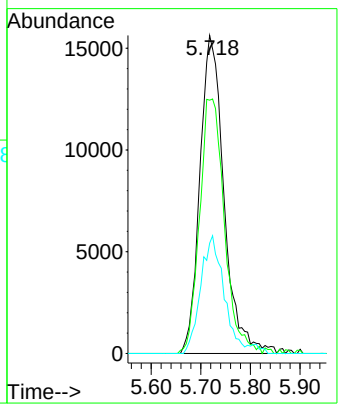




#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 53 Resp: 52809

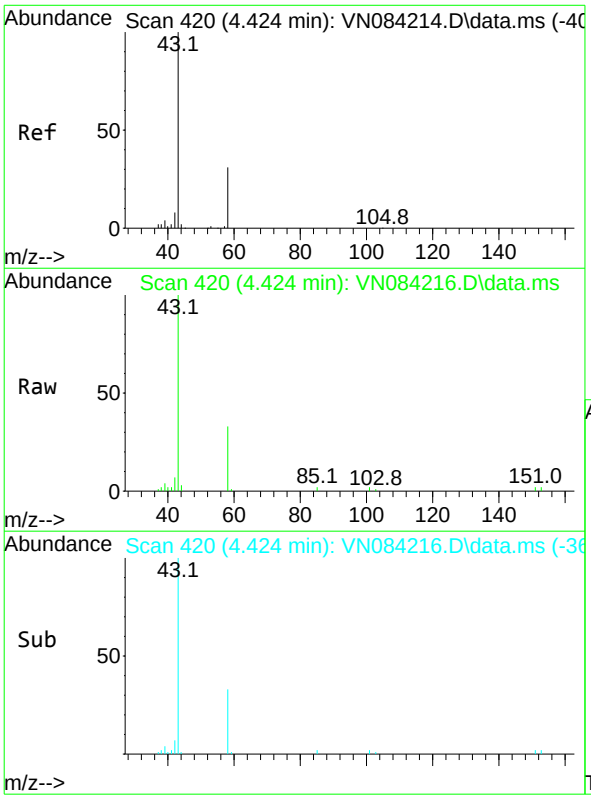
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

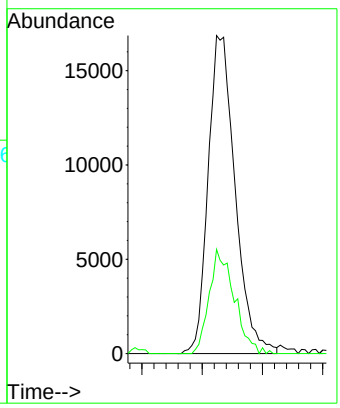
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

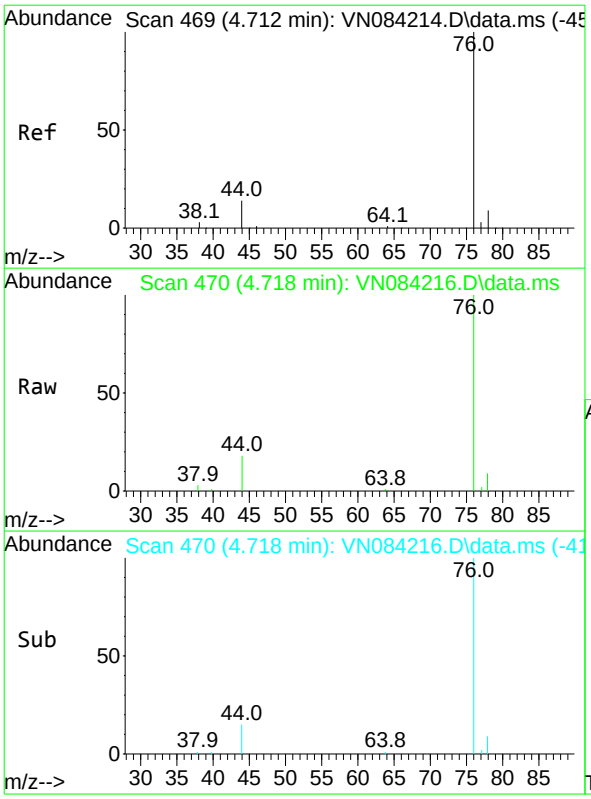


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6

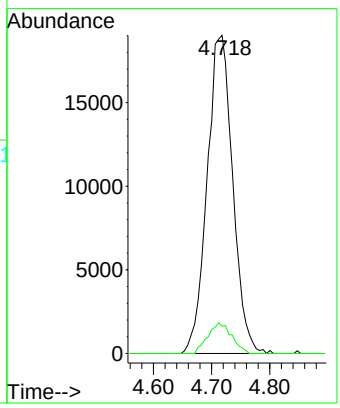




#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 58158

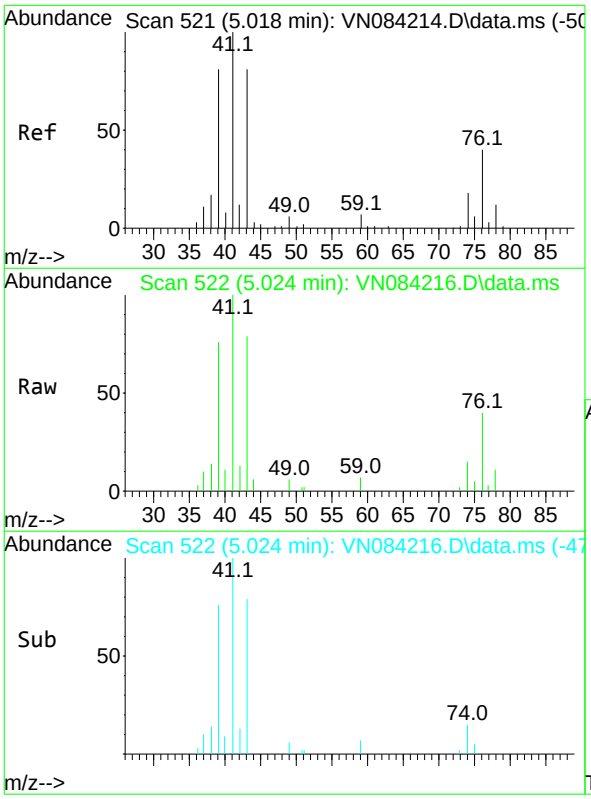
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

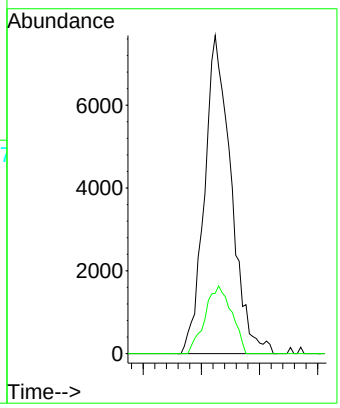
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

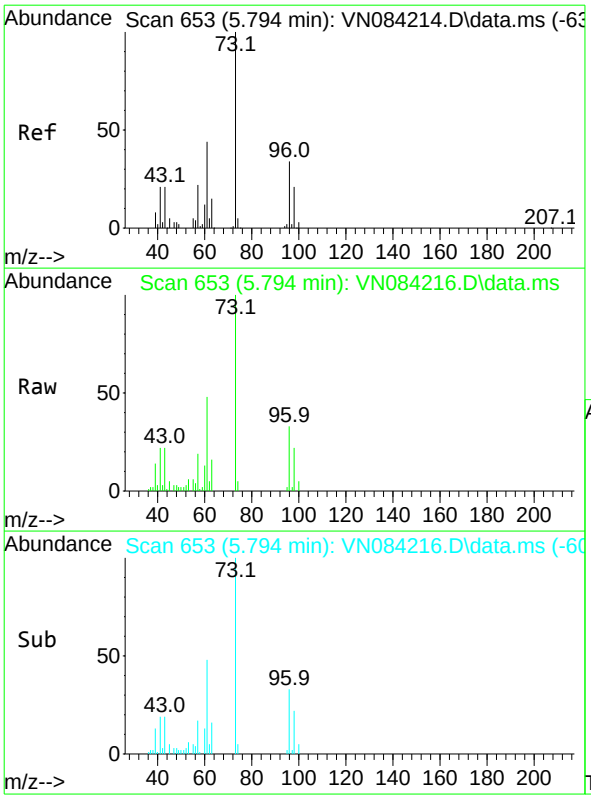


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8

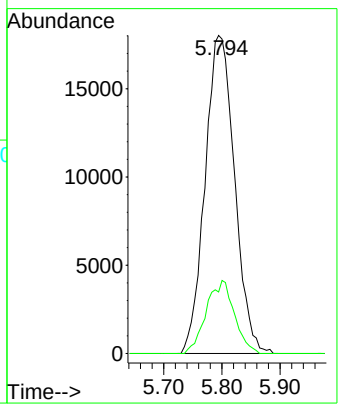




#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 73 Resp: 63531

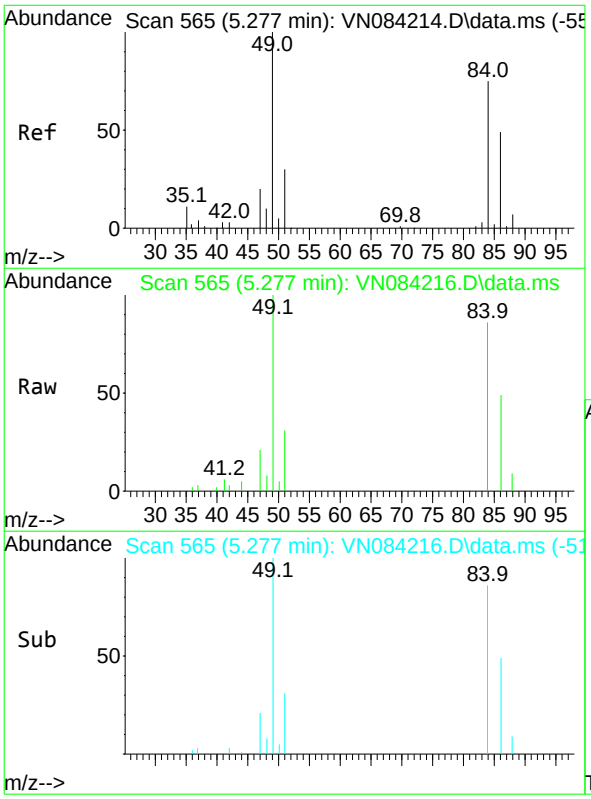
Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

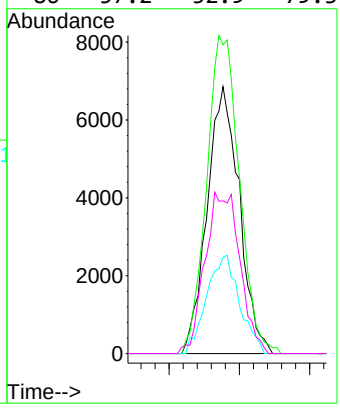
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

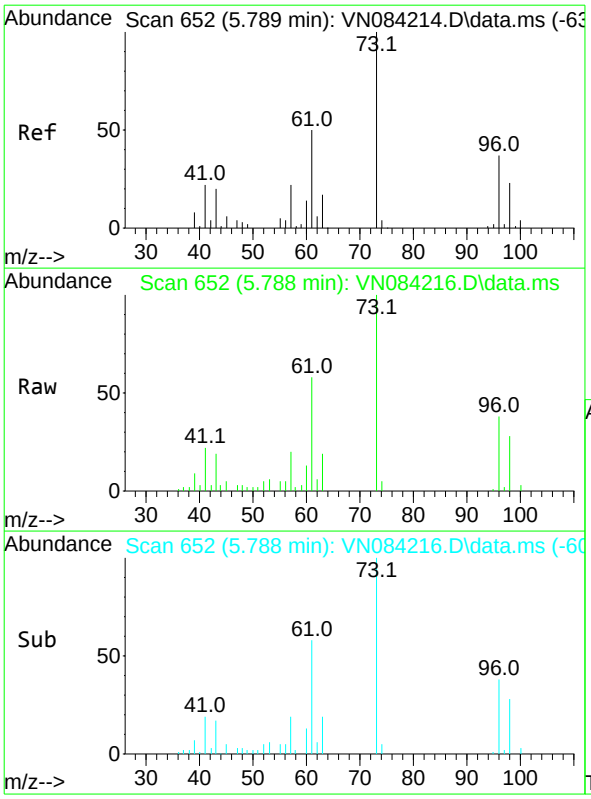


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

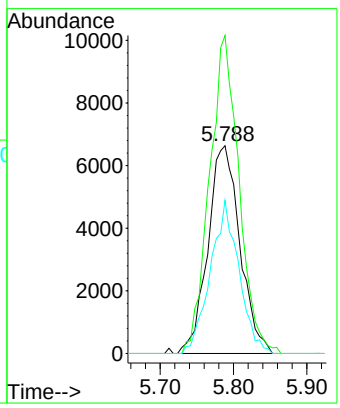




#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 20107

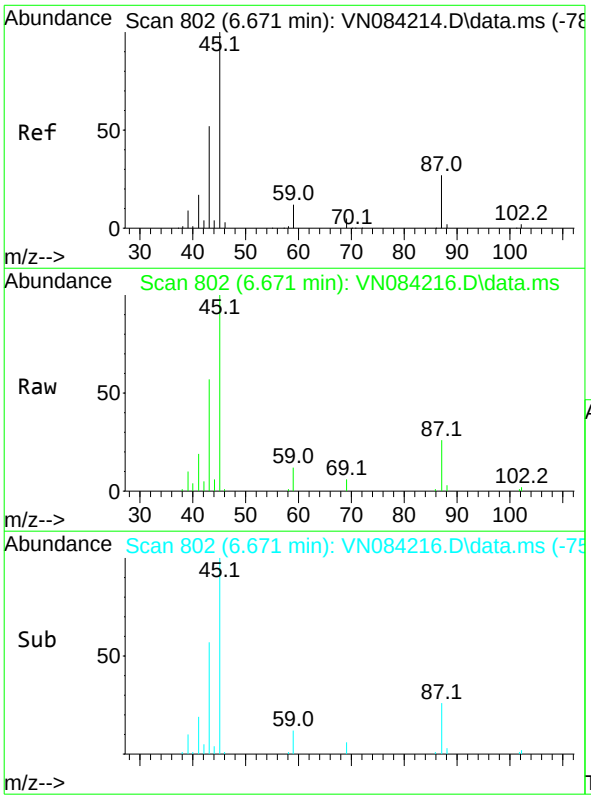
Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.4	162.6
98	73.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

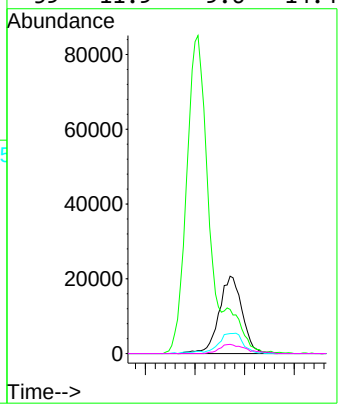
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

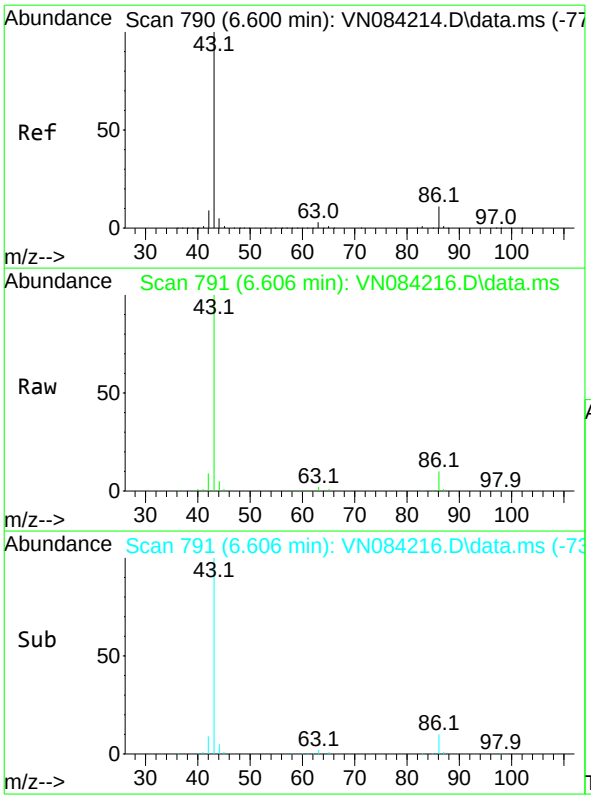


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

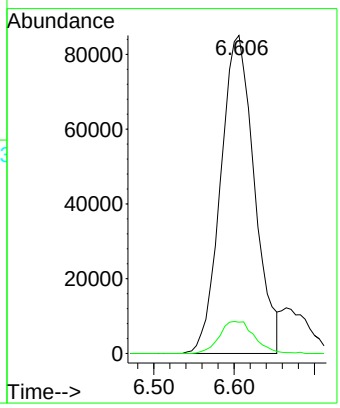




#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 248594

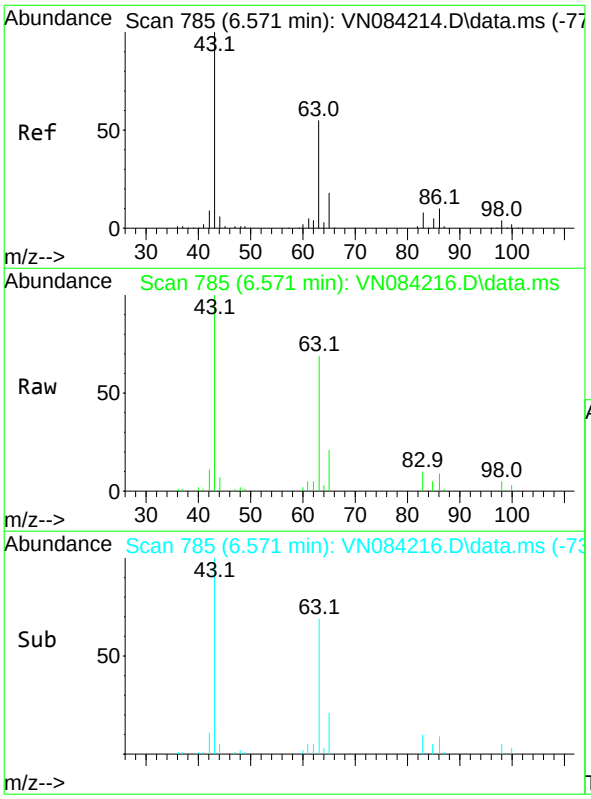
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

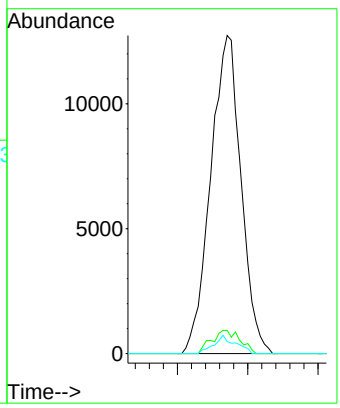
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

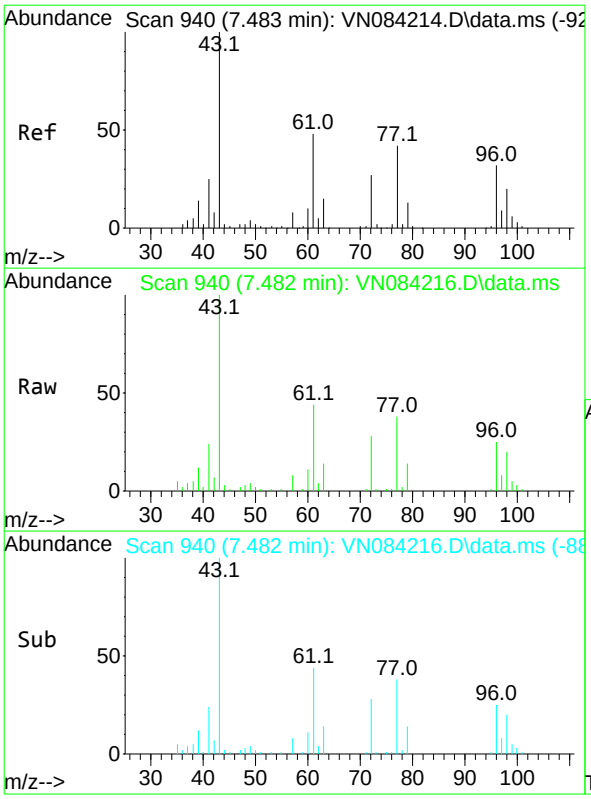


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

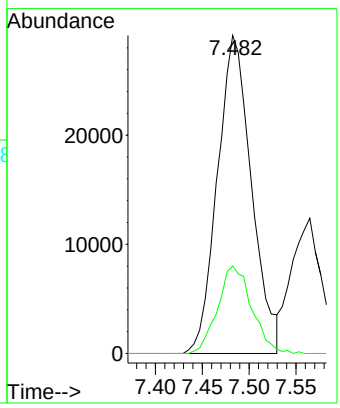




#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 73877

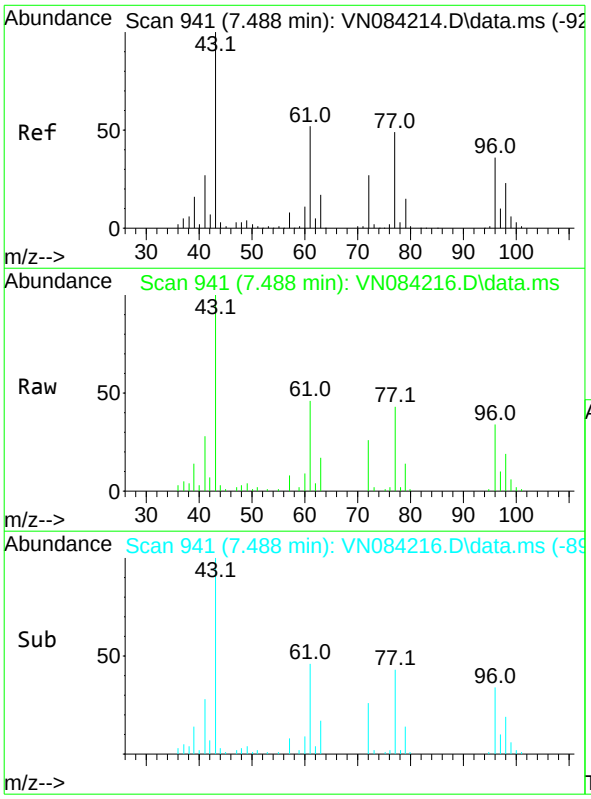
Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

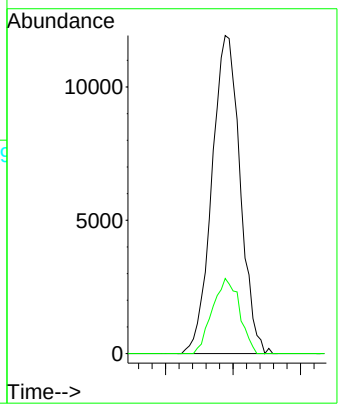
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

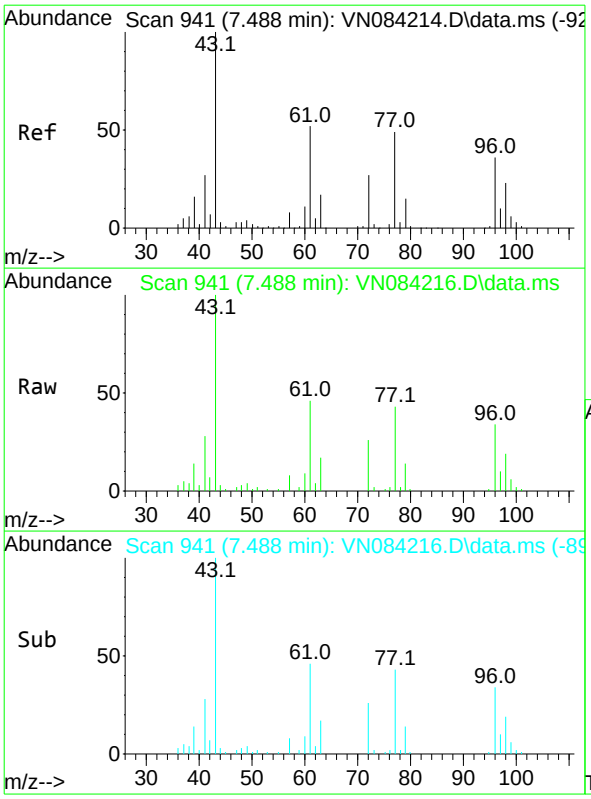


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3

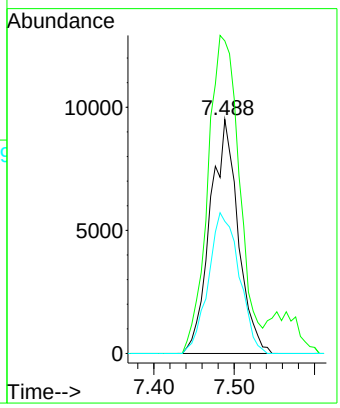




#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 23095

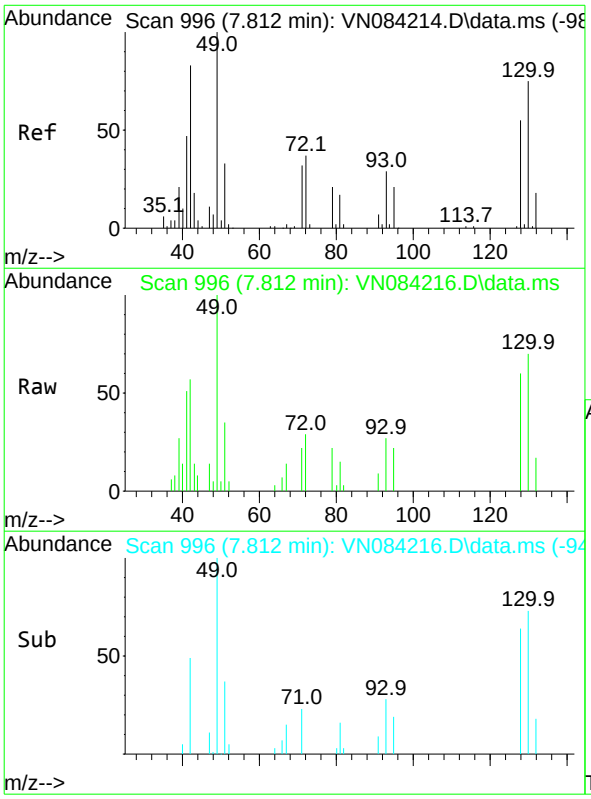
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	301.8
98	66.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

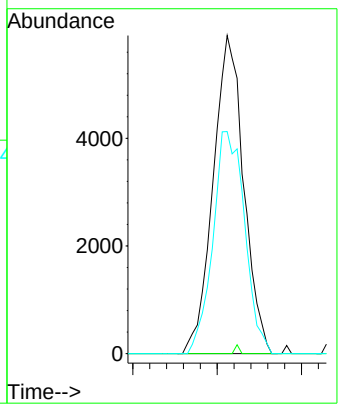
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

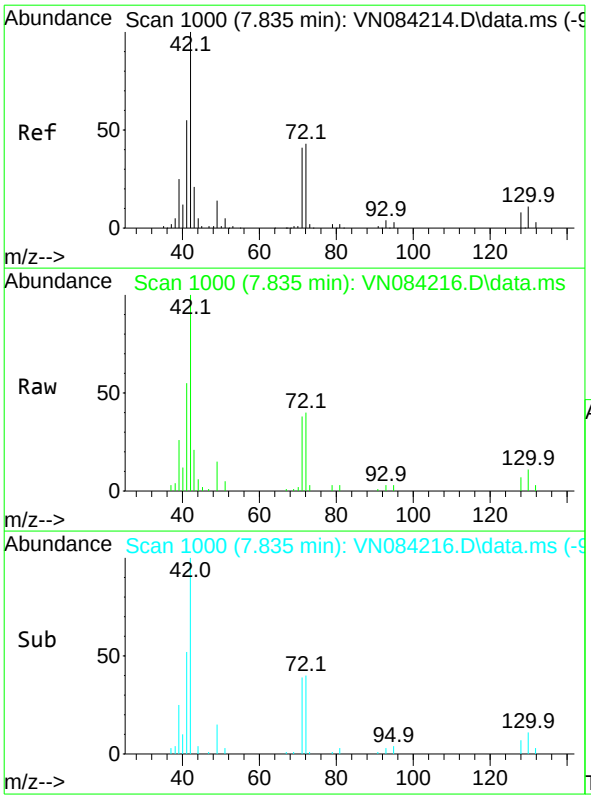


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

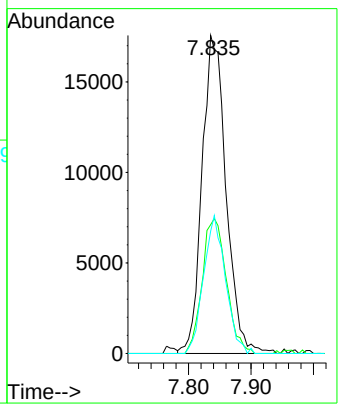




#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 42 Resp: 46917

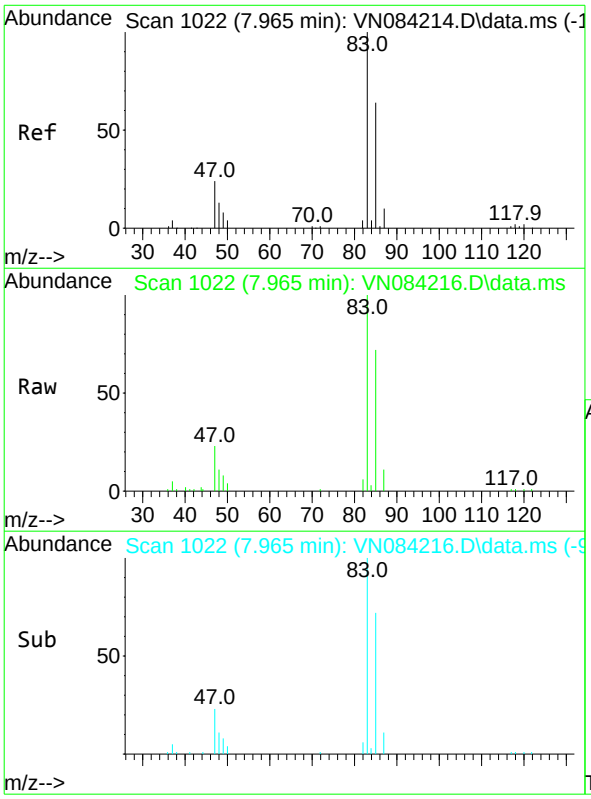
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	51.8
71	39.5	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

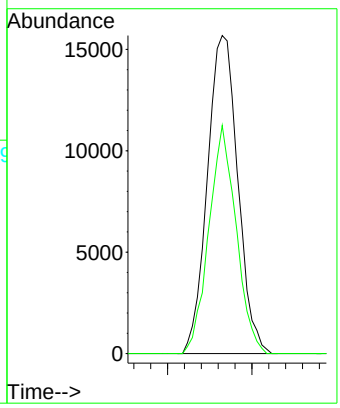
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

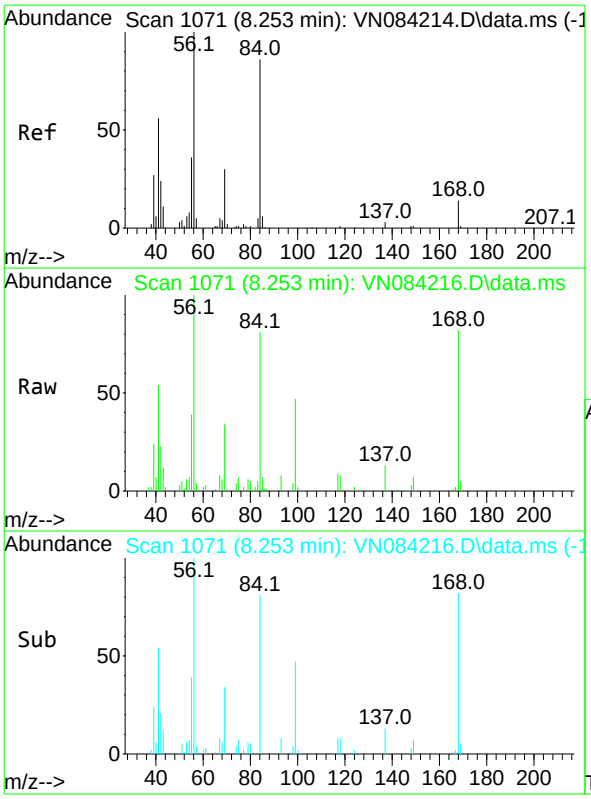


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4

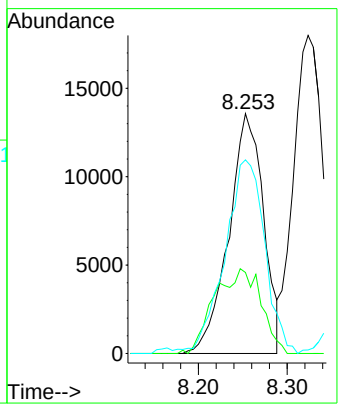




#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 36916

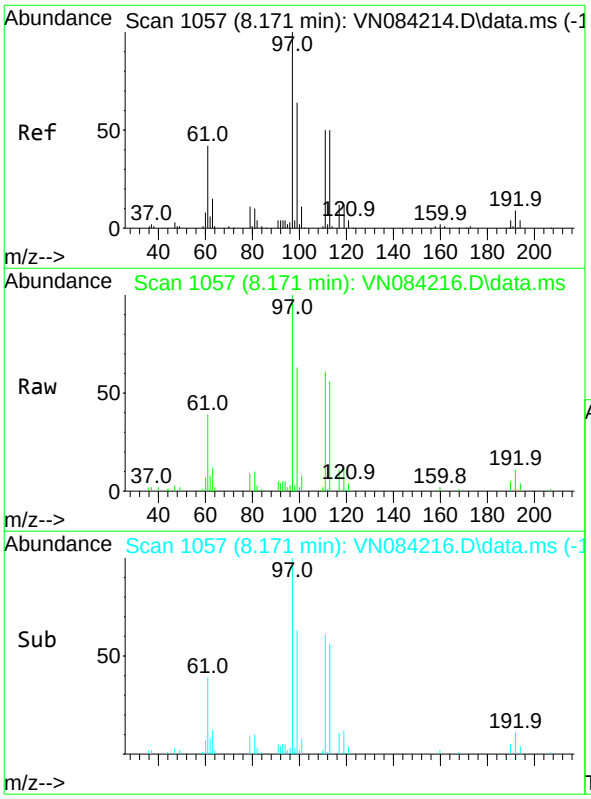
Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	79.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

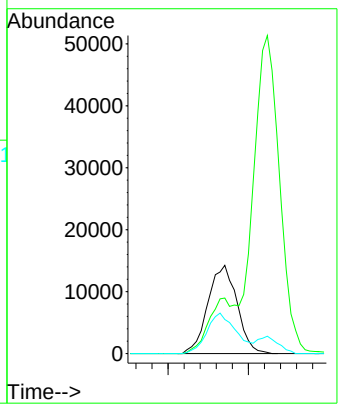
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

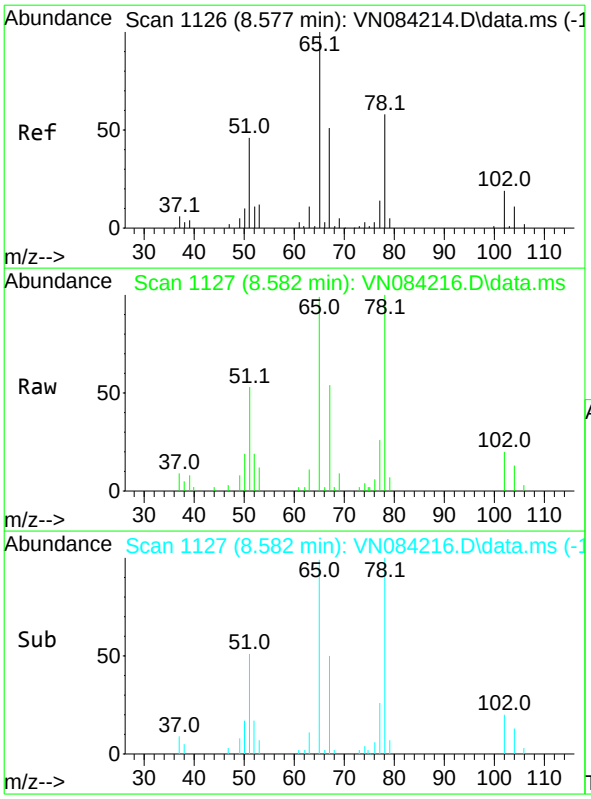


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

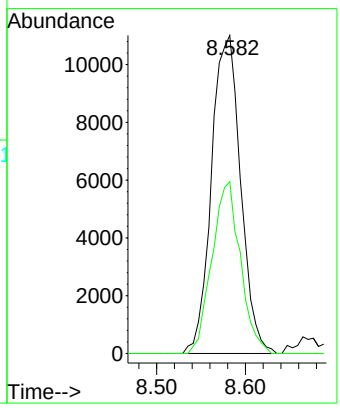




#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 65 Resp: 25083

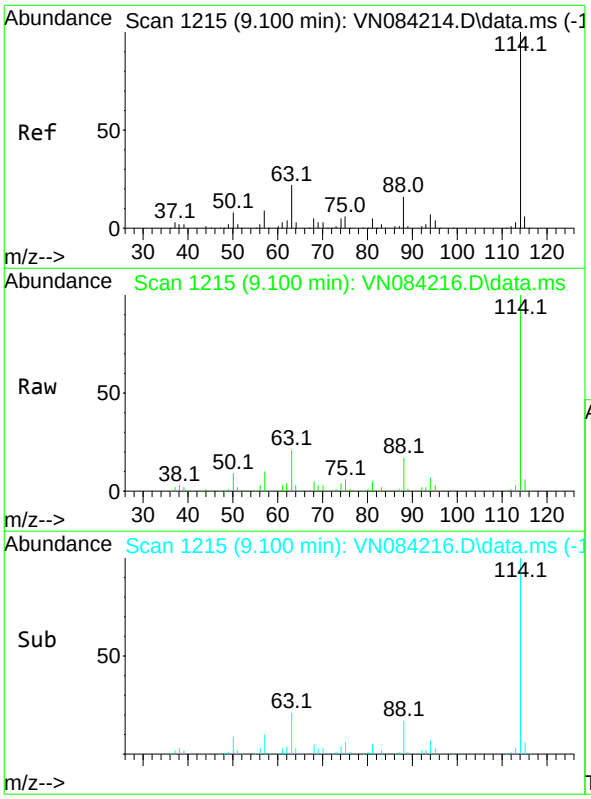
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

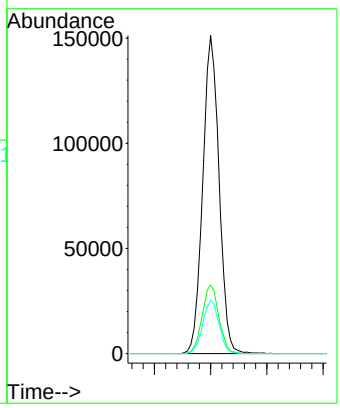
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

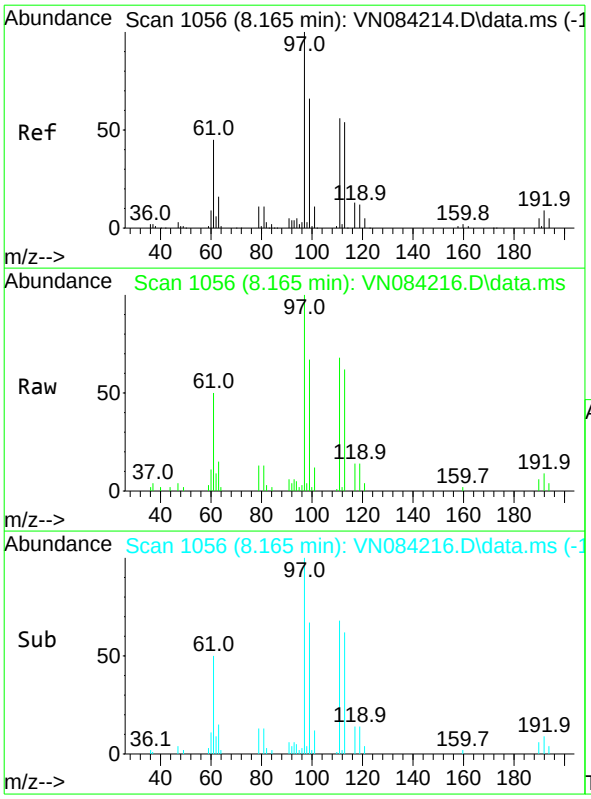


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

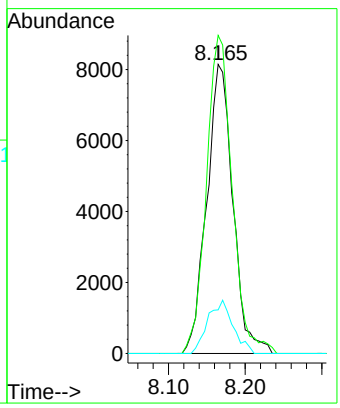




#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:113 Resp: 19289

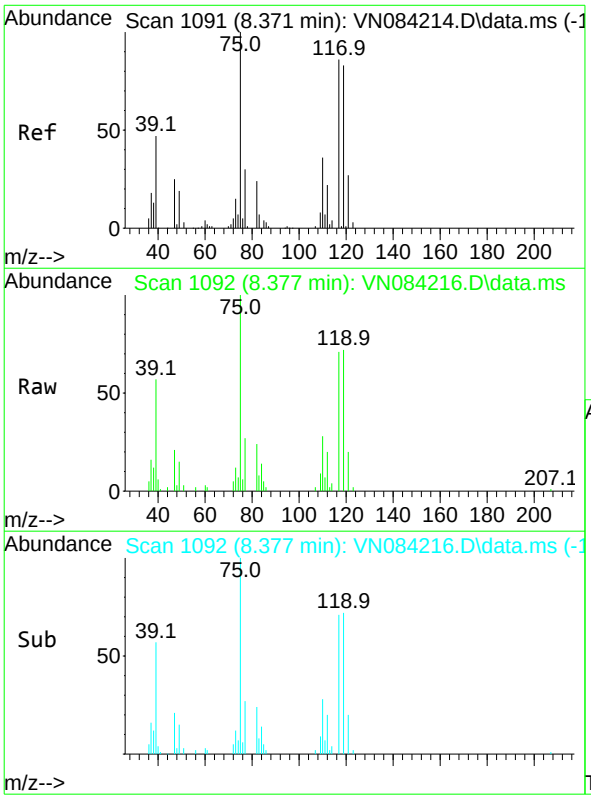
Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.3	124.9
192	17.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

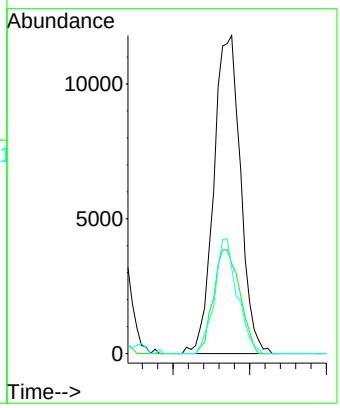
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

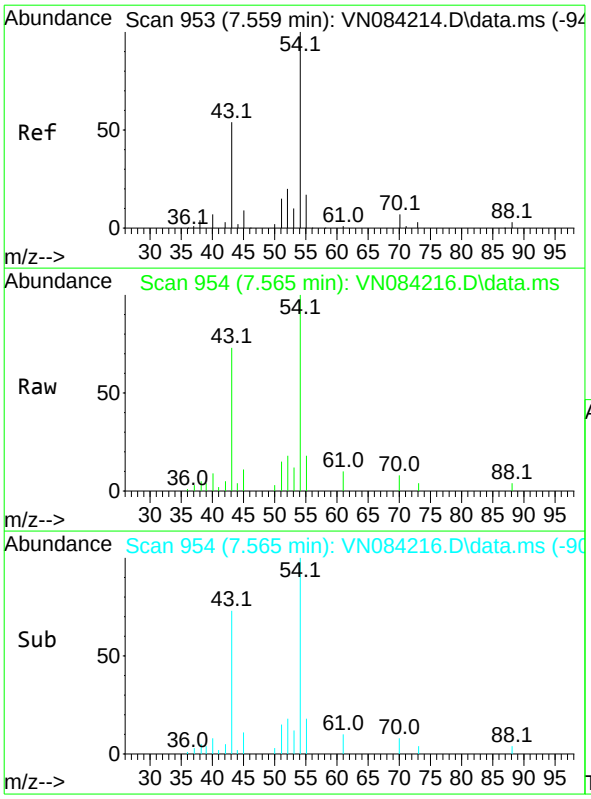


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

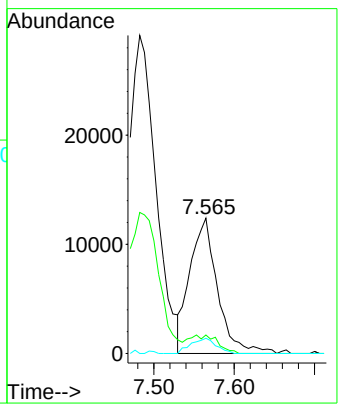




#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 29754

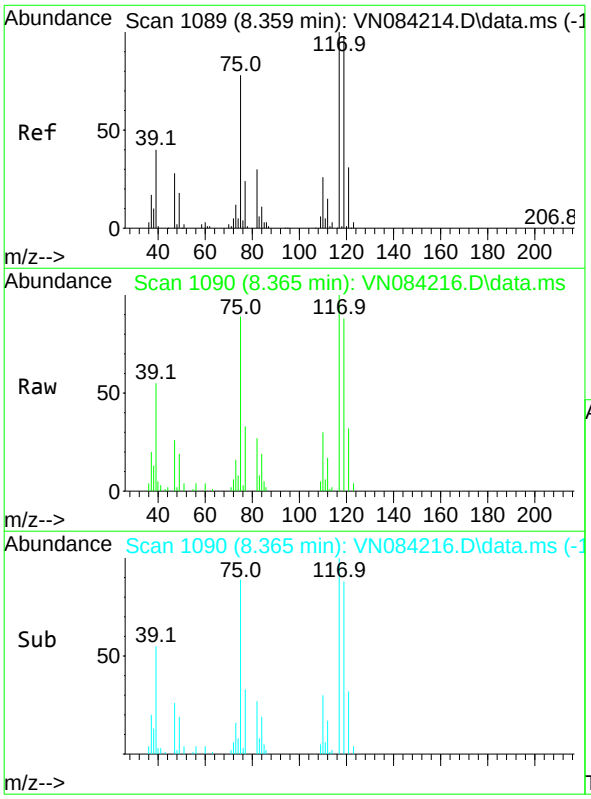
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

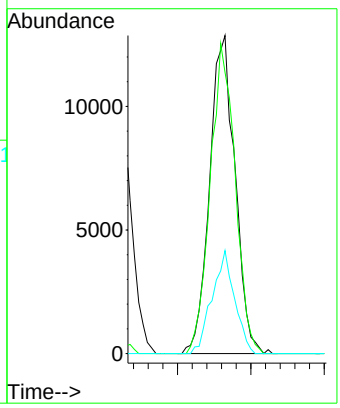
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

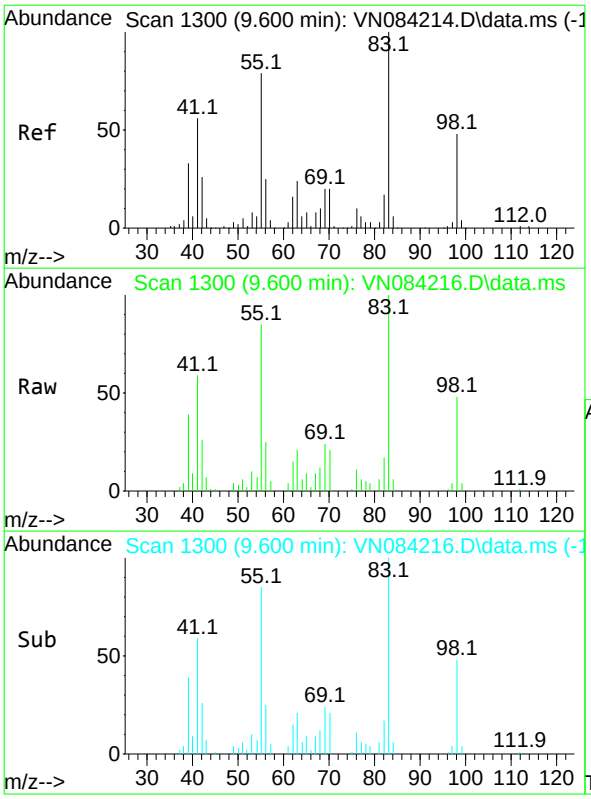


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

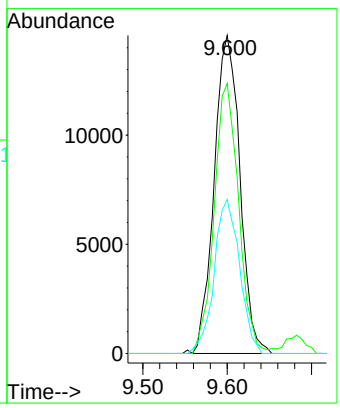




#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30932

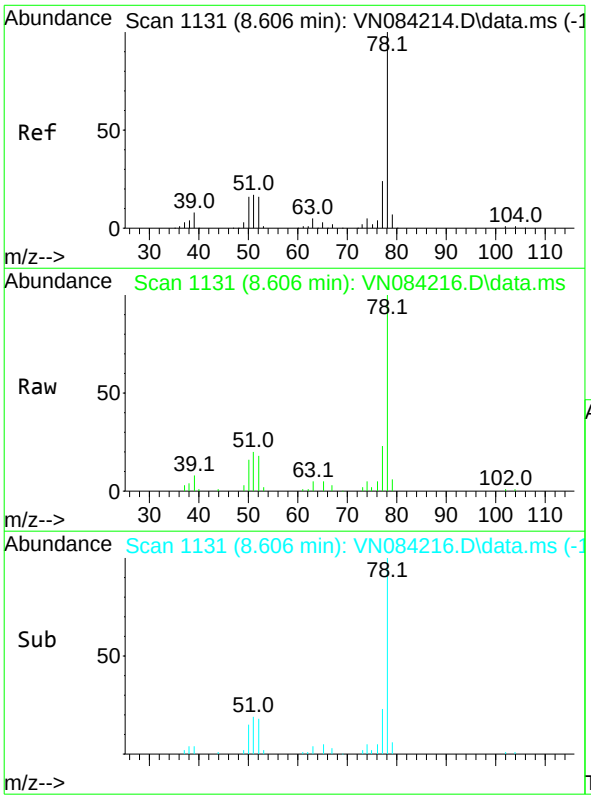
Ion	Ratio	Lower	Upper
83	100		
55	84.9	62.8	94.2
98	48.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

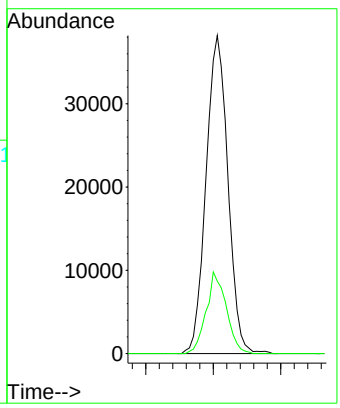
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

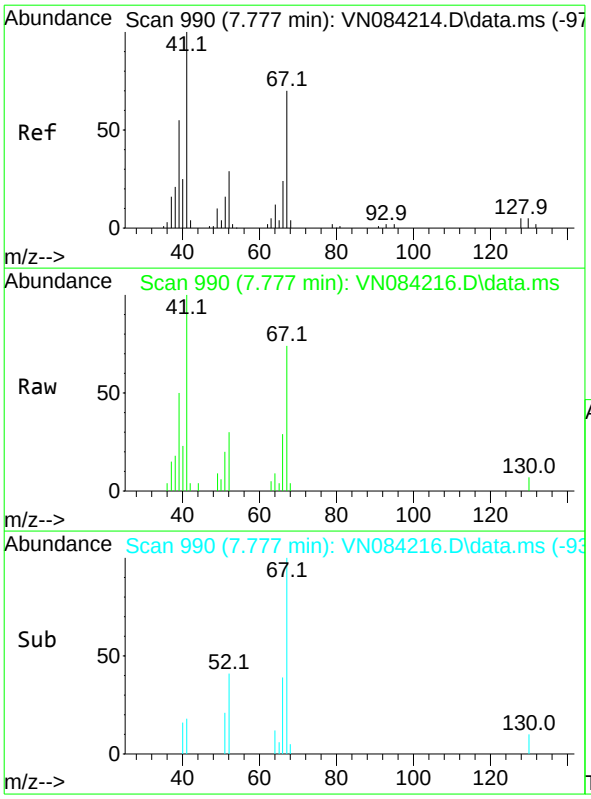


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7

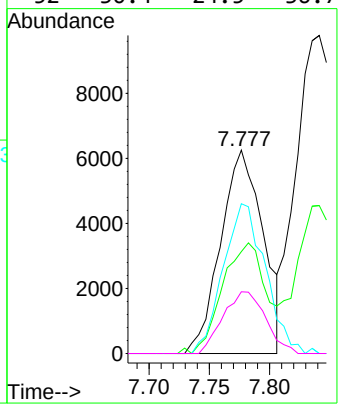




#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 15332

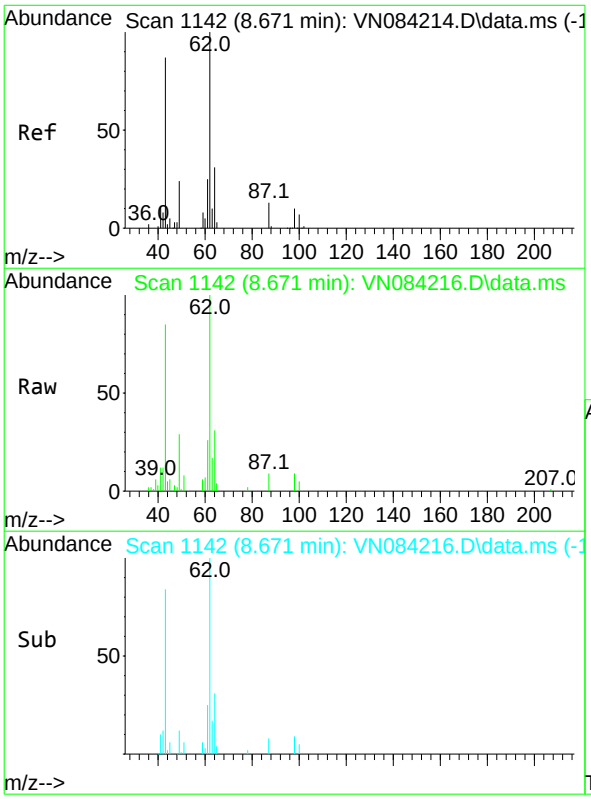
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.0	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

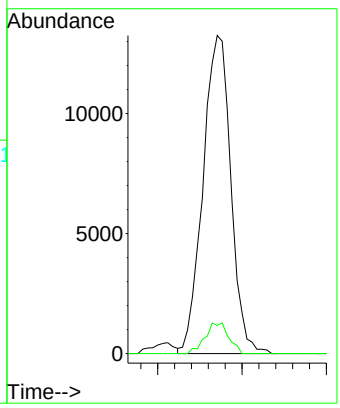
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

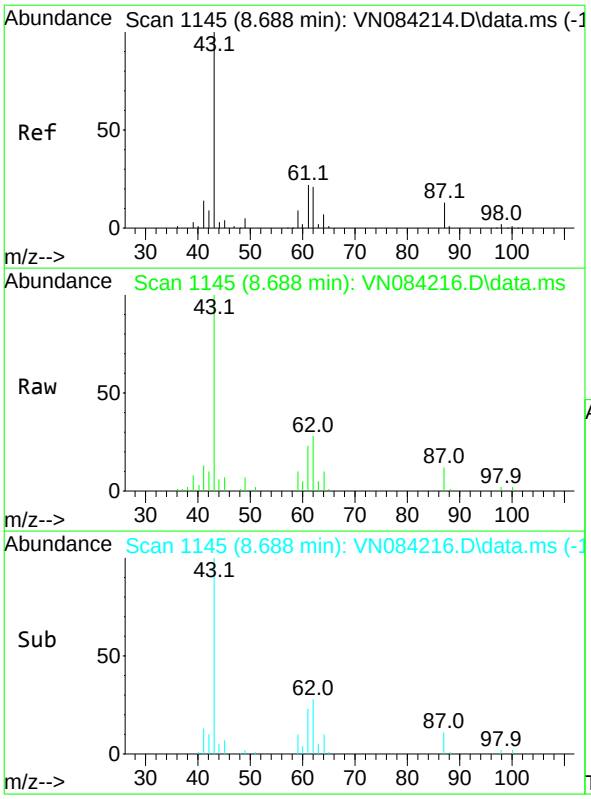


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2

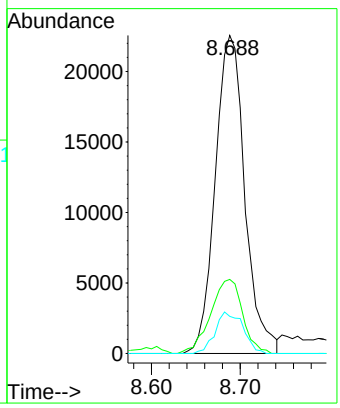




#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52246

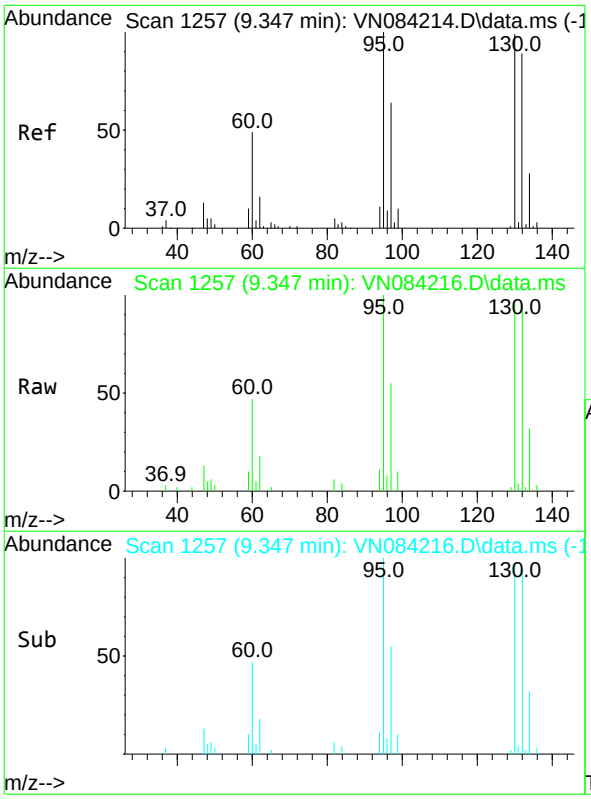
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.4	30.6
87	12.3	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

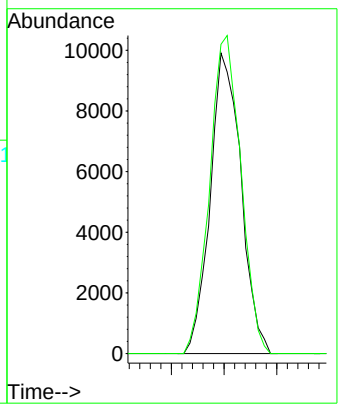
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

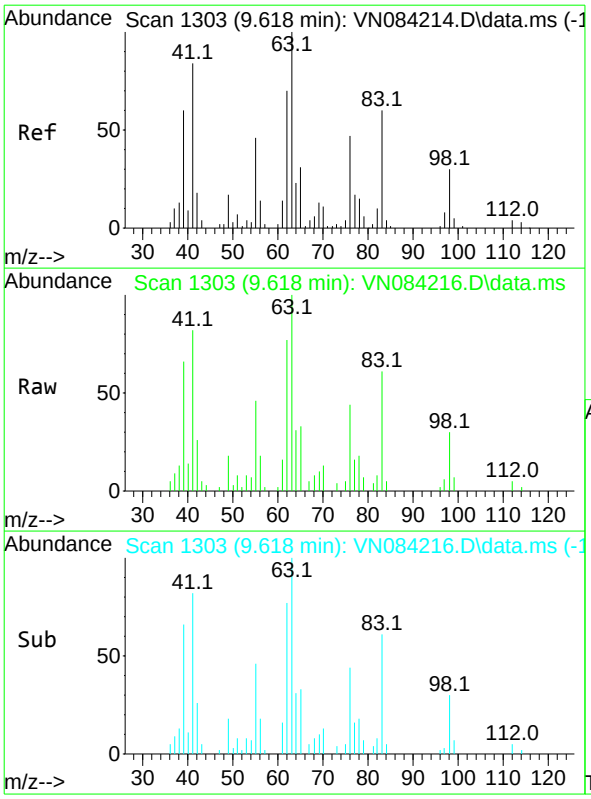


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0

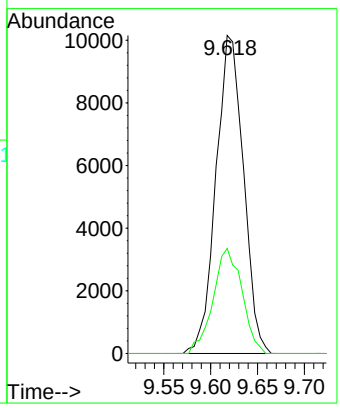




#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 20703

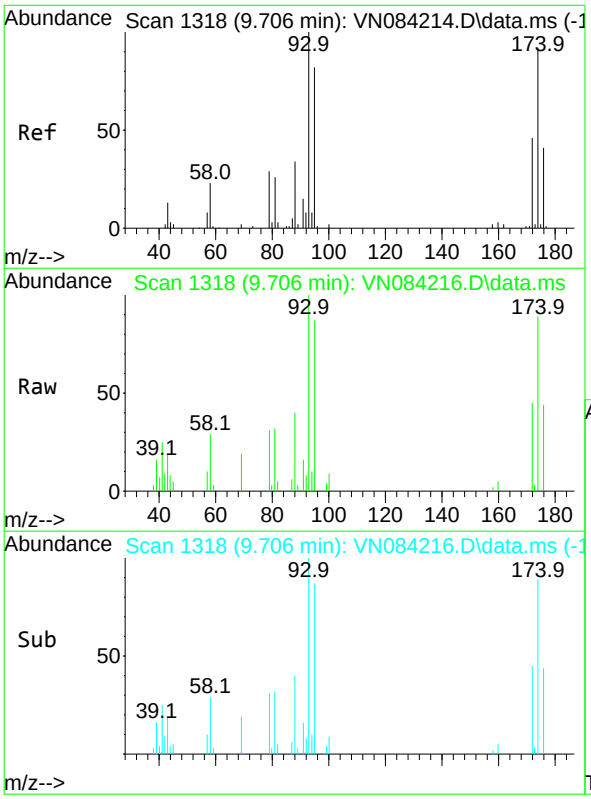
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

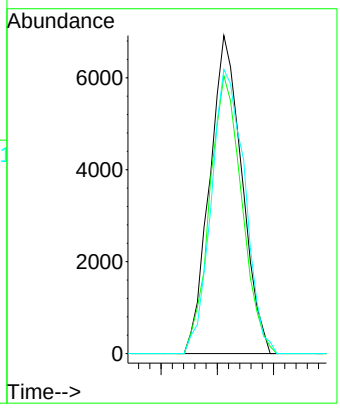
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

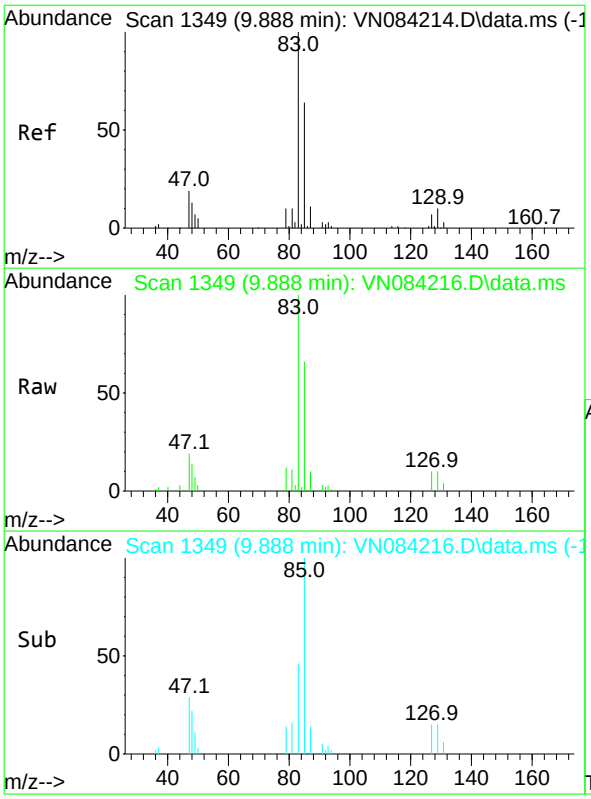


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

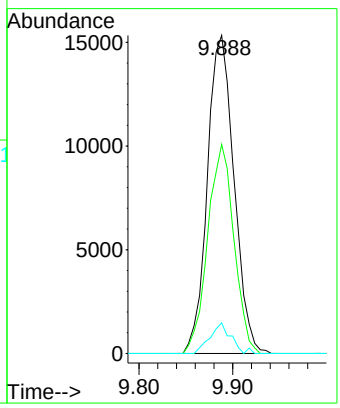




#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30289

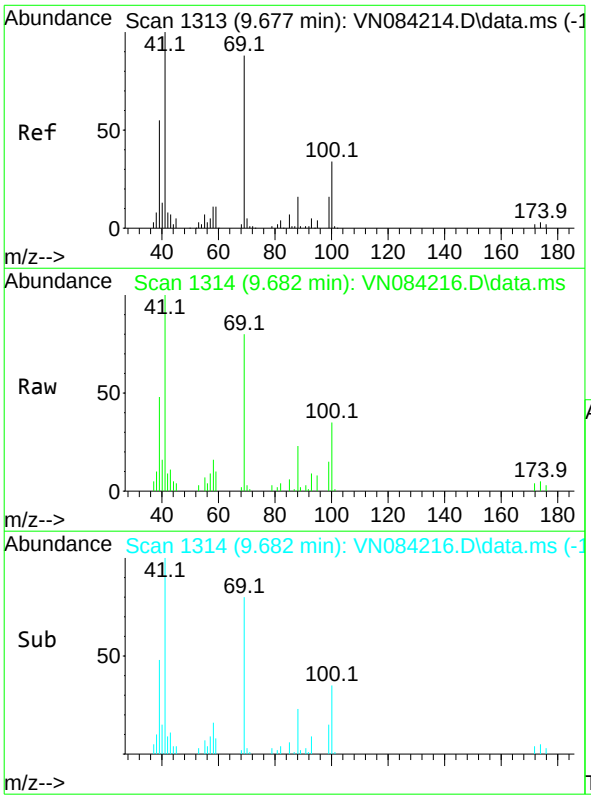
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	9.6	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

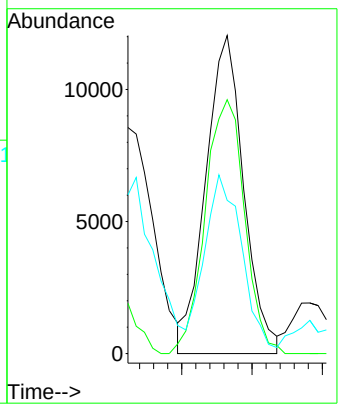
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

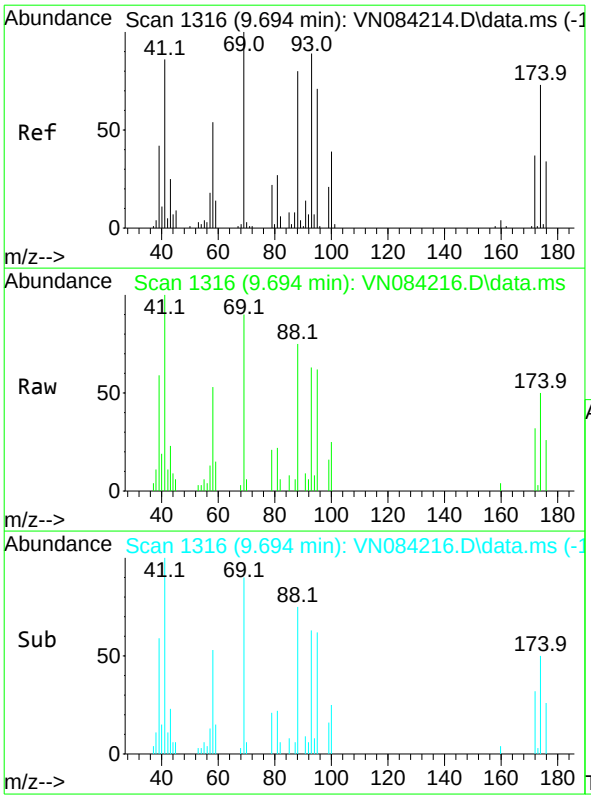


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

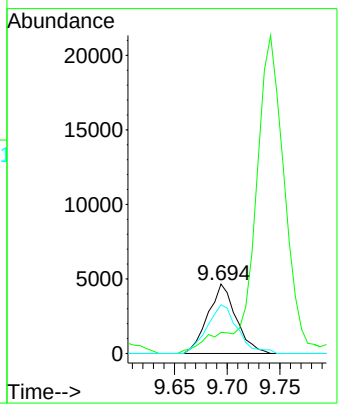




#49
1,4-Dioxane
Concen: 200.587 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 88 Resp: 8627

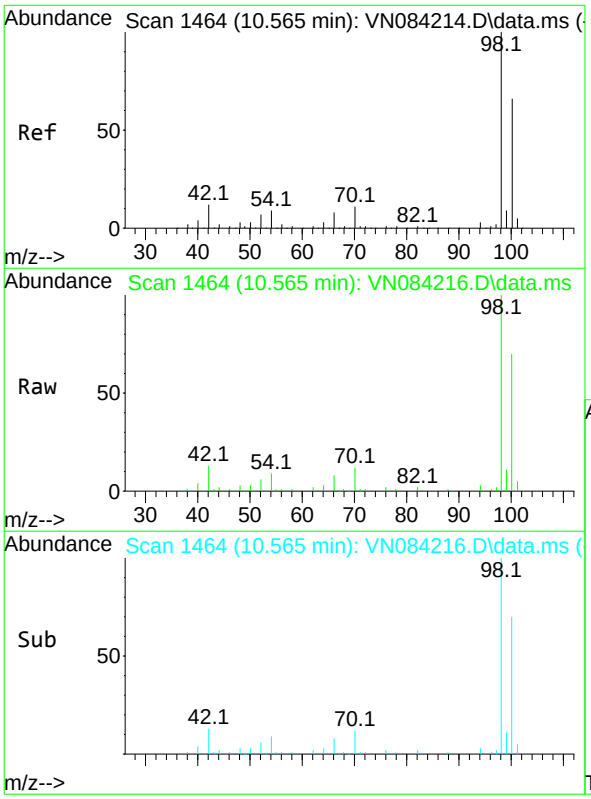
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	76.0	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

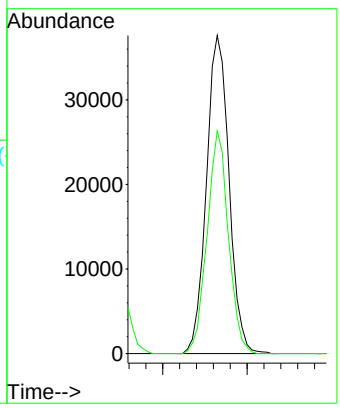
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

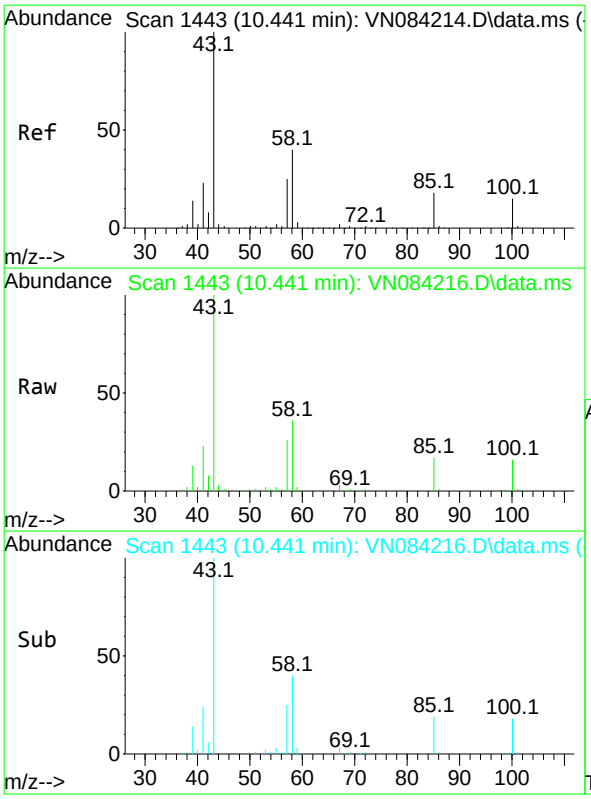


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

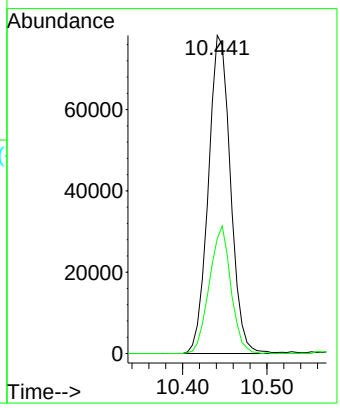




#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 142632

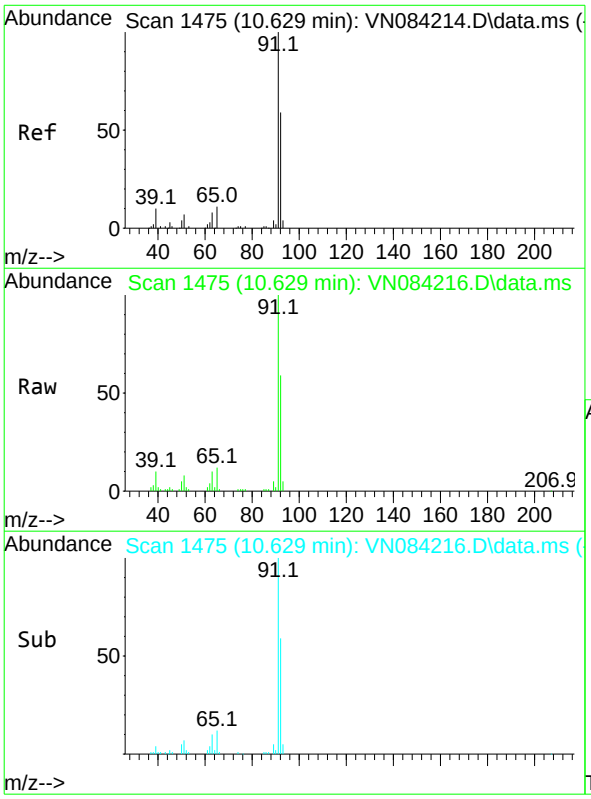
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

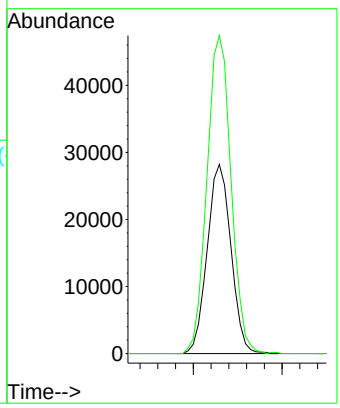
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

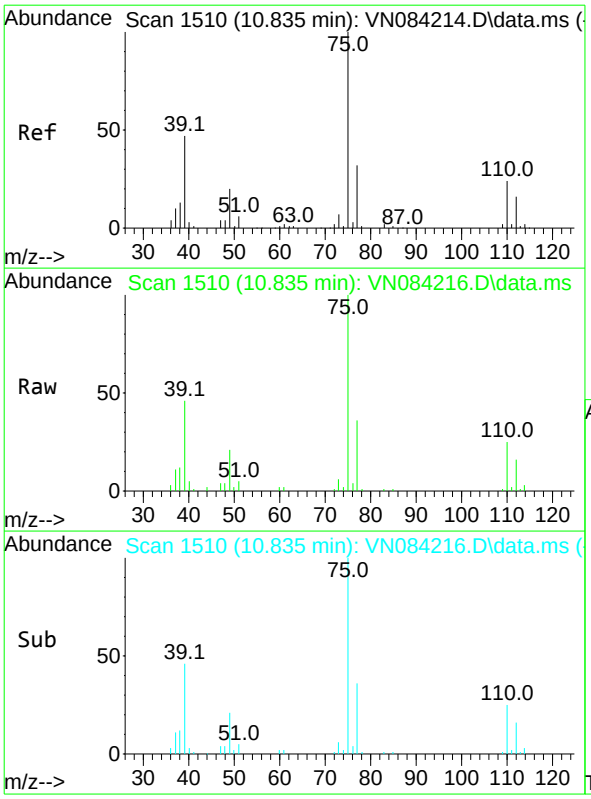


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9

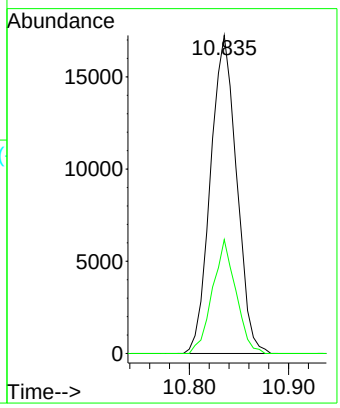




#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 31555

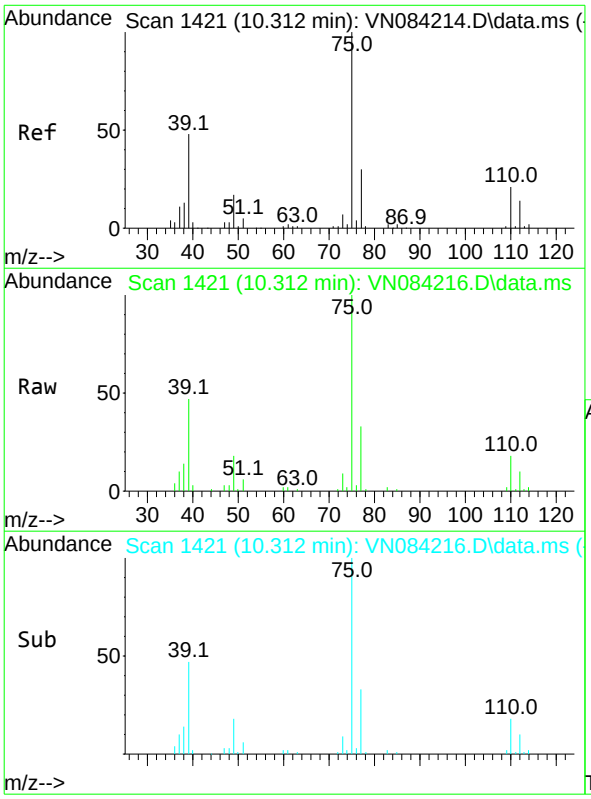
Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

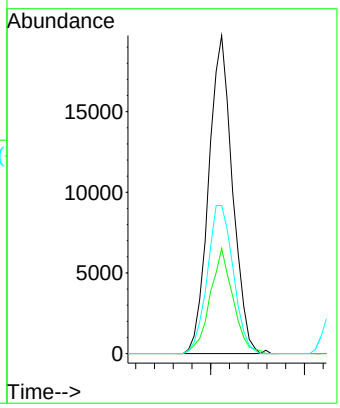
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

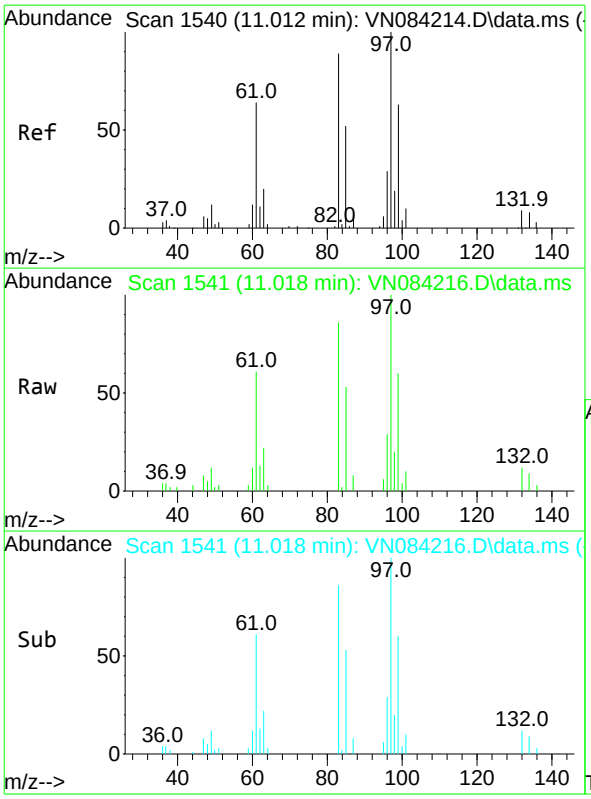


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

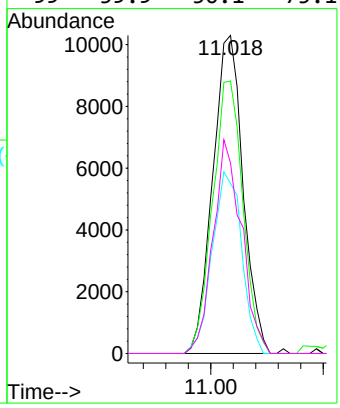




#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 19245

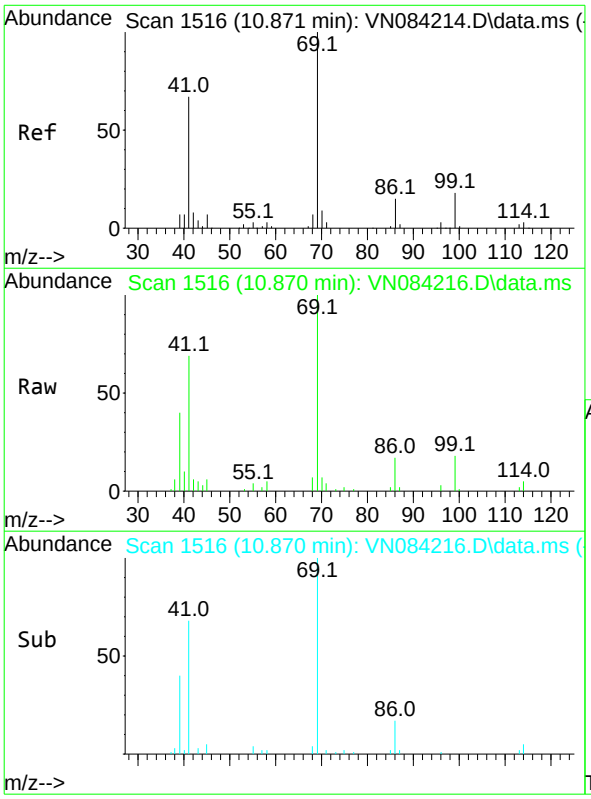
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.0	106.4
85	53.5	41.7	62.5
99	59.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

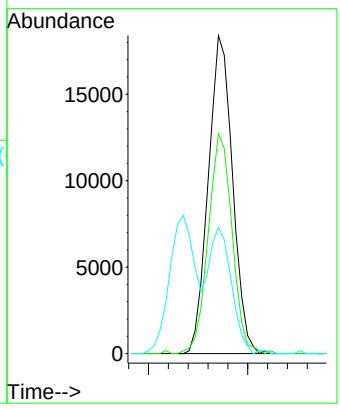
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

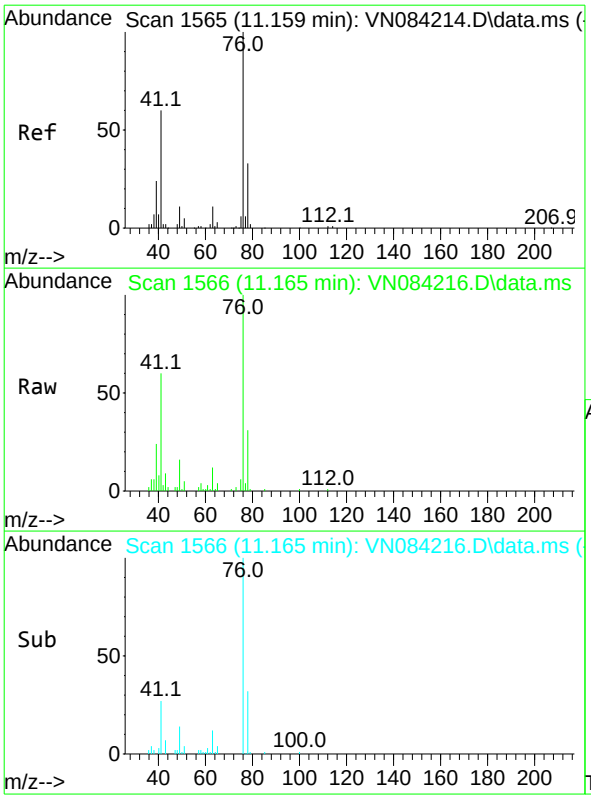


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

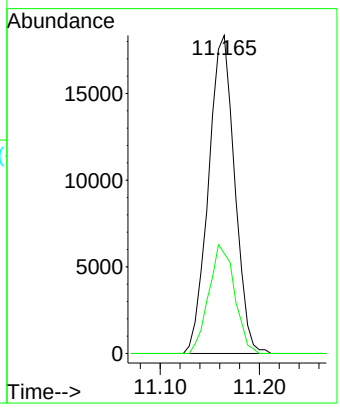




#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 33613

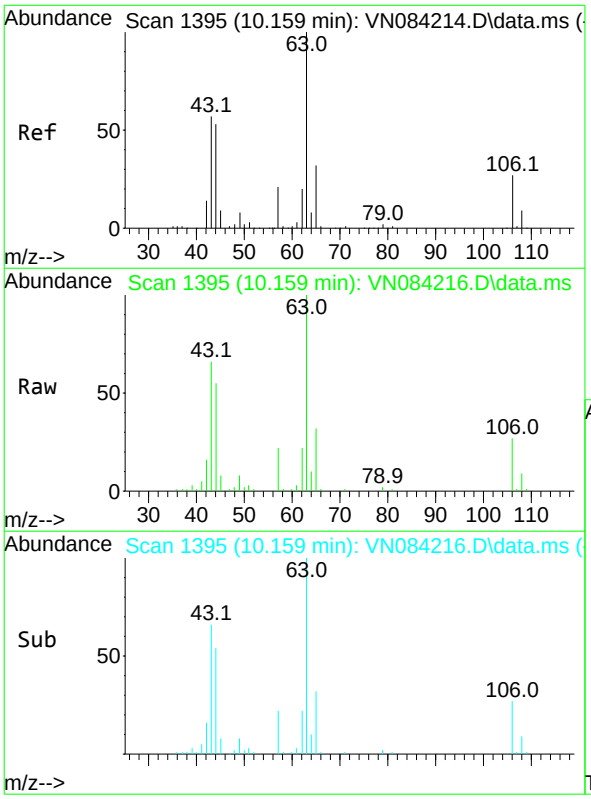
Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

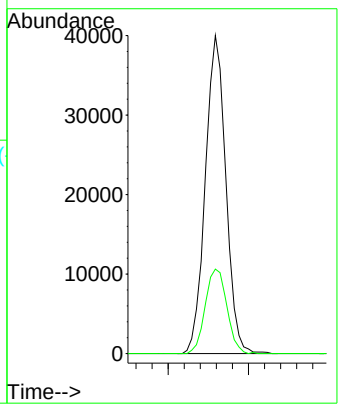
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

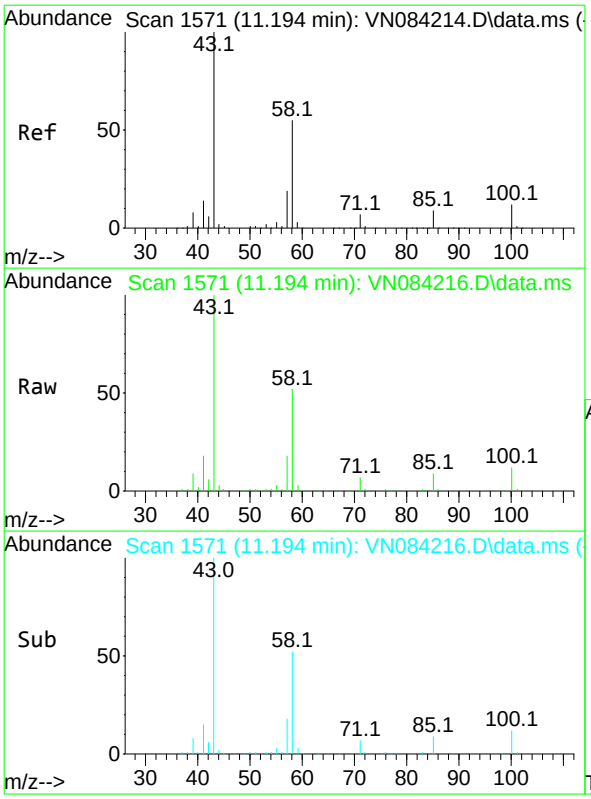


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6

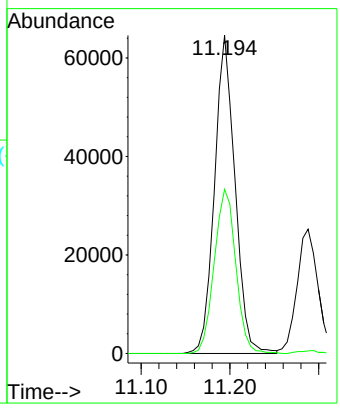




#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 103615

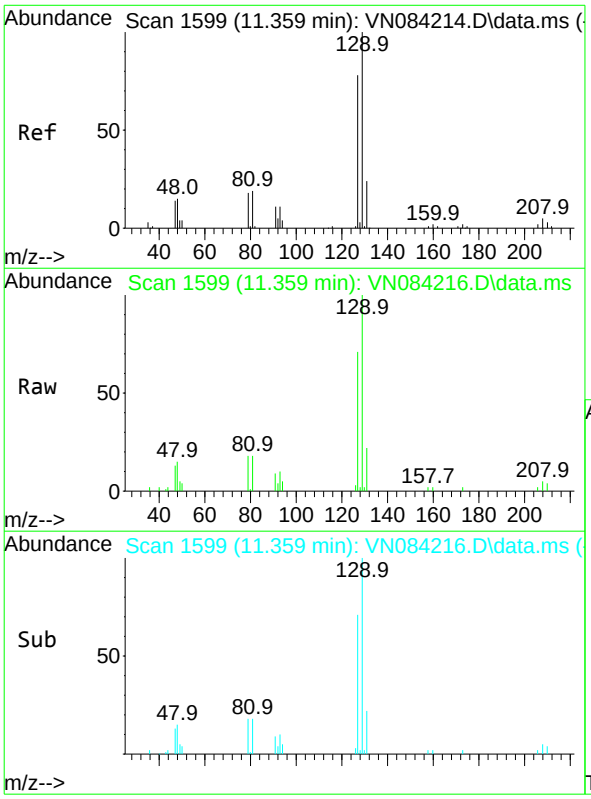
Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

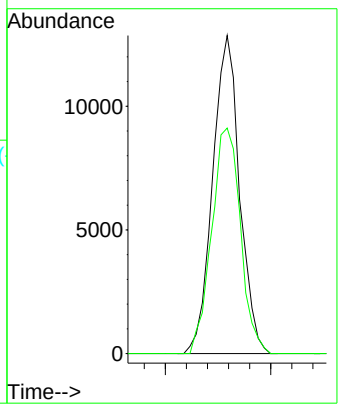
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

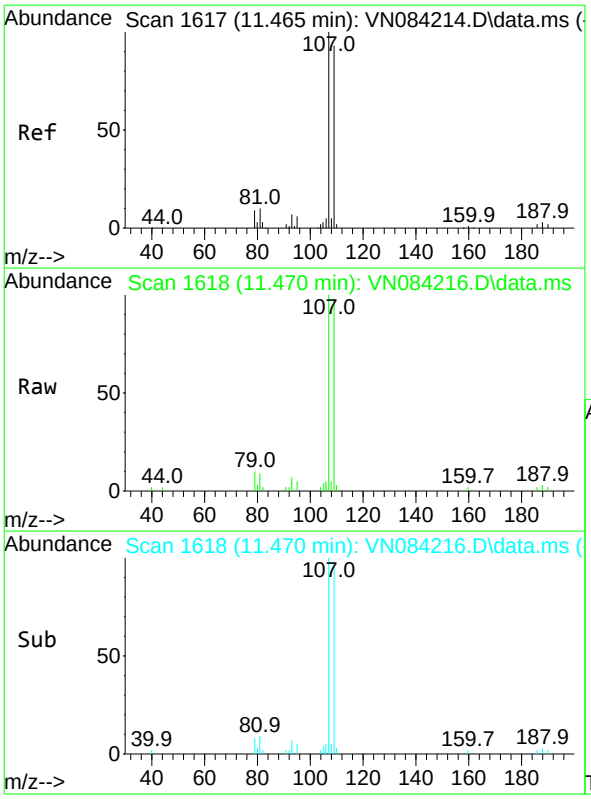


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9

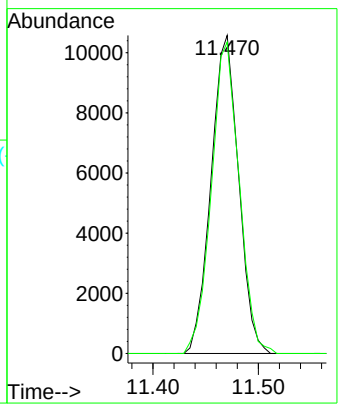




#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:107 Resp: 19220

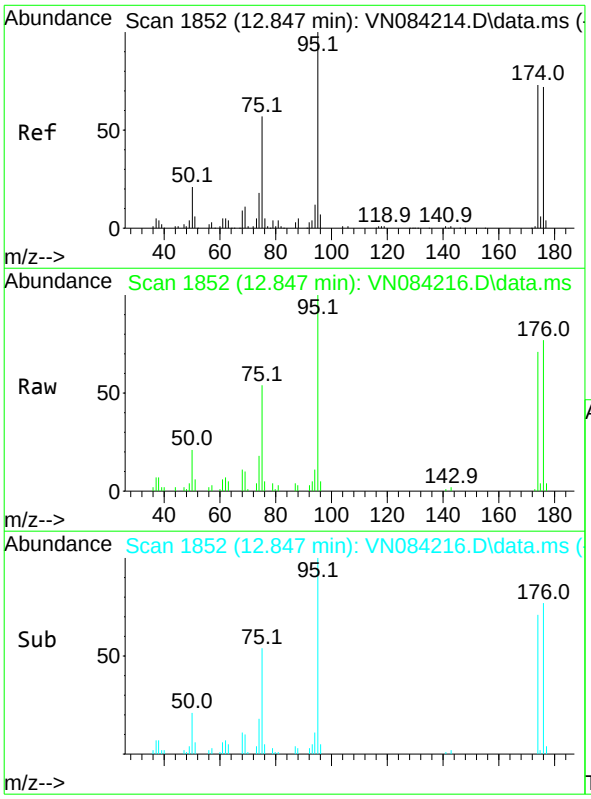
Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

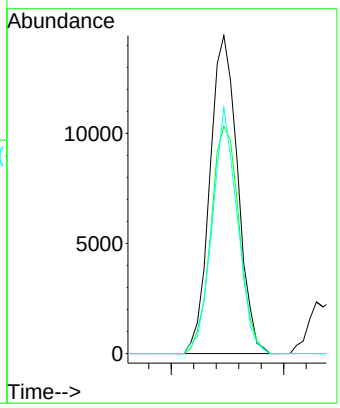
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

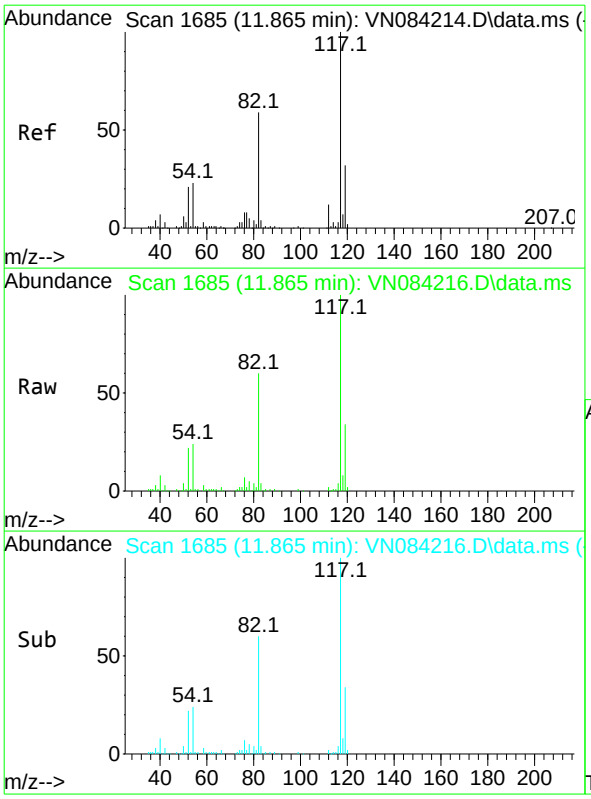


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

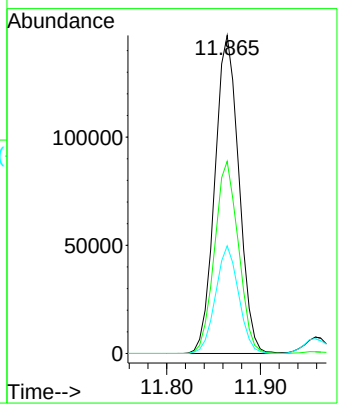




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 262325

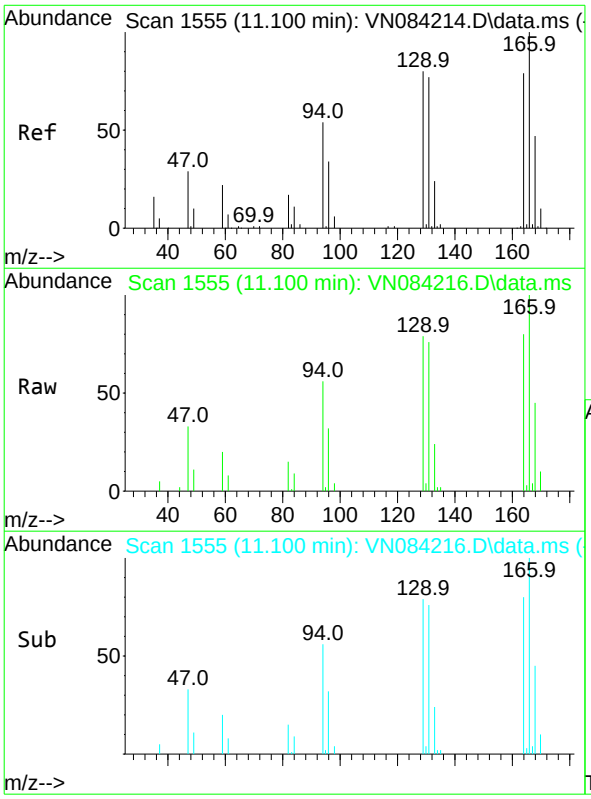
Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	33.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

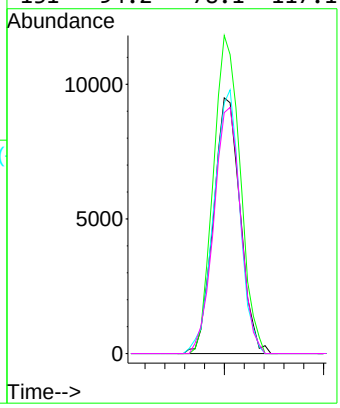
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

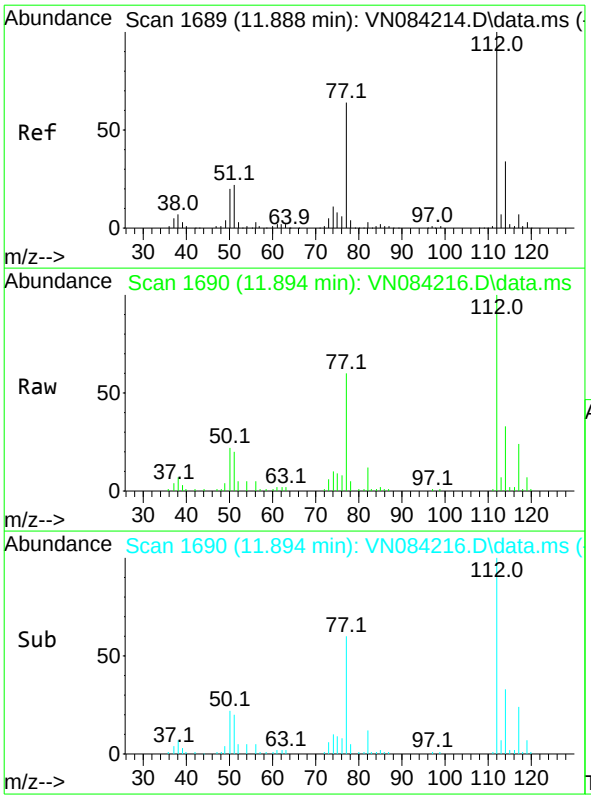


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

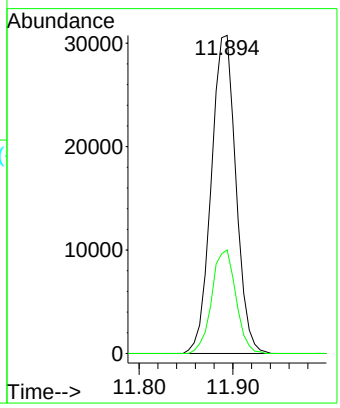




#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:112 Resp: 56099

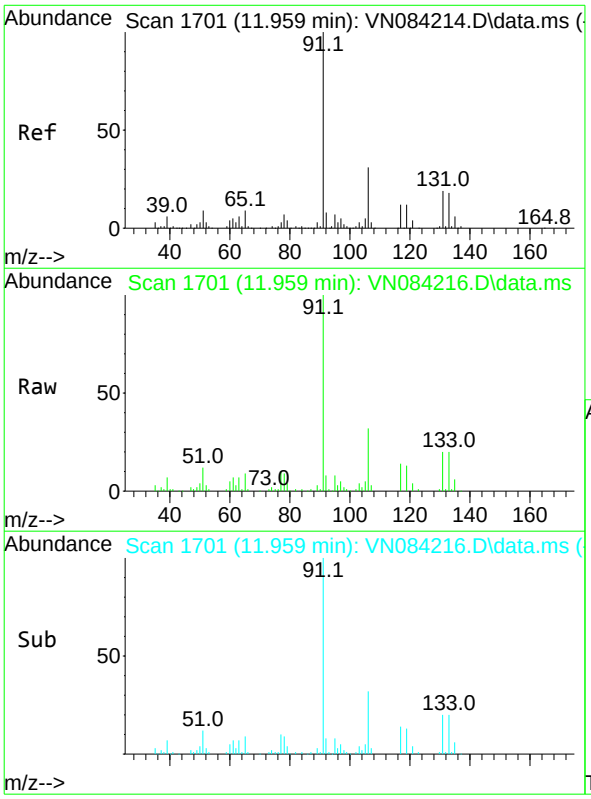
Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

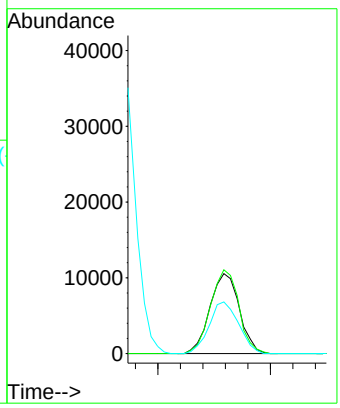
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

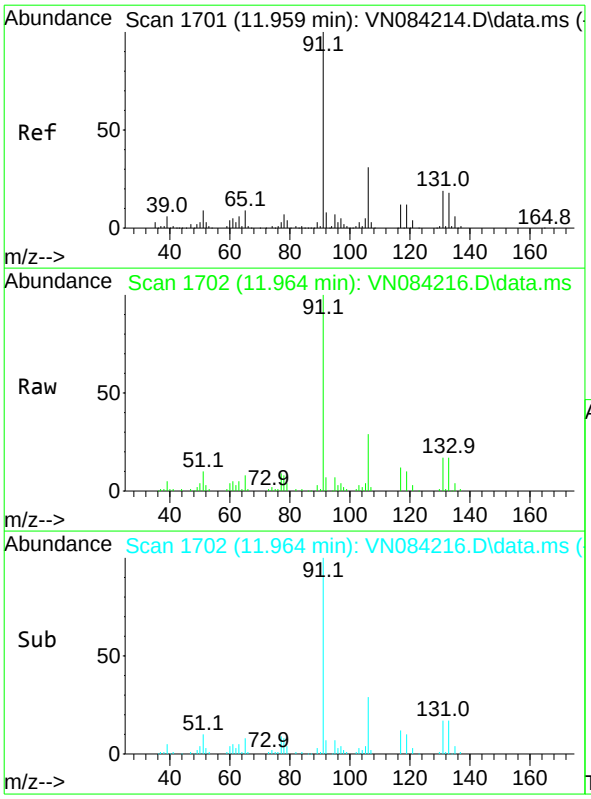


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

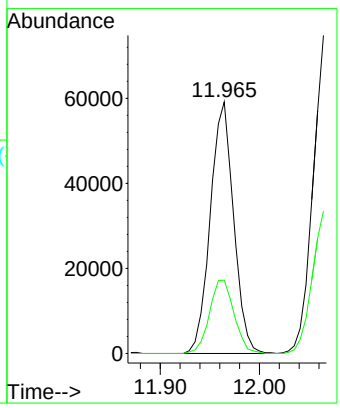




#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 96533

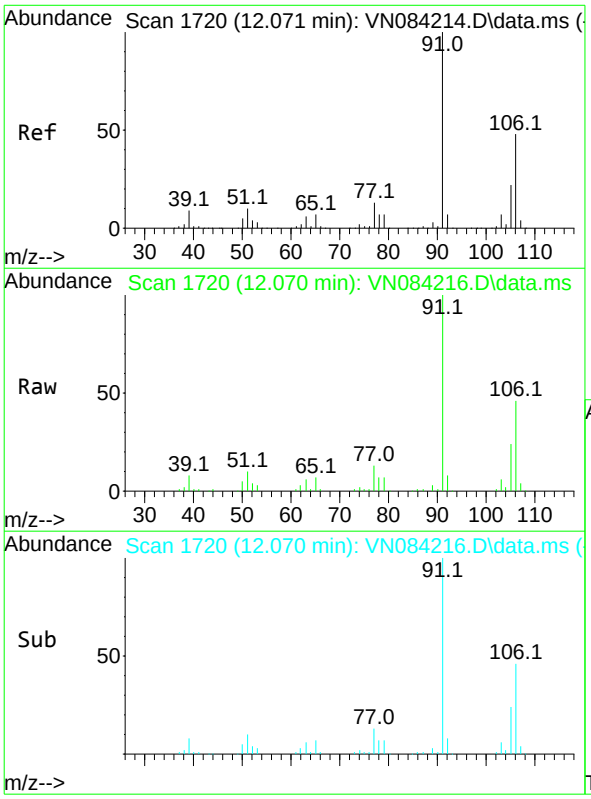
Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

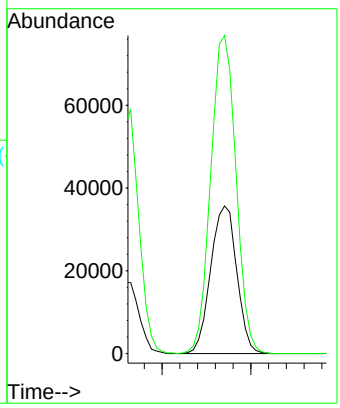
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

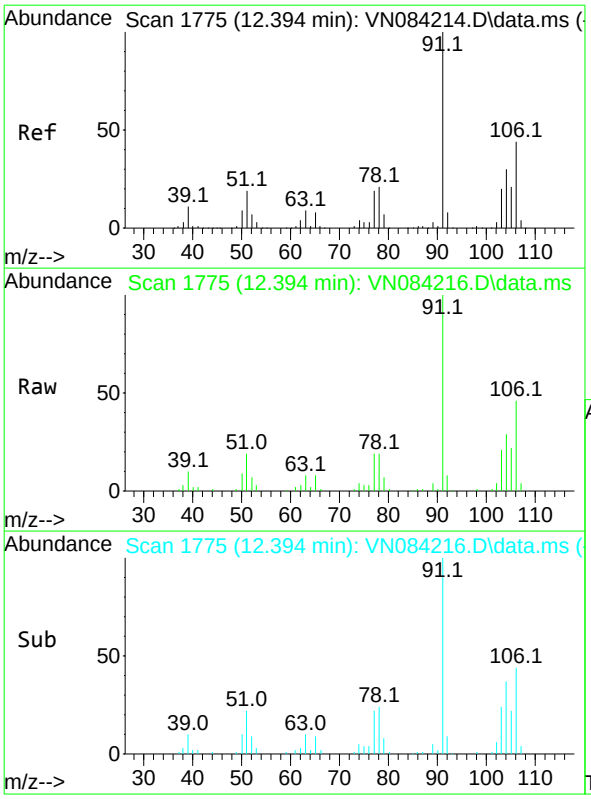


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7

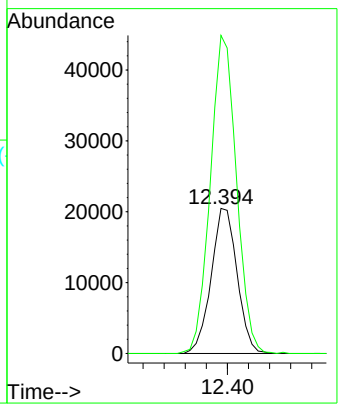




#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 34965

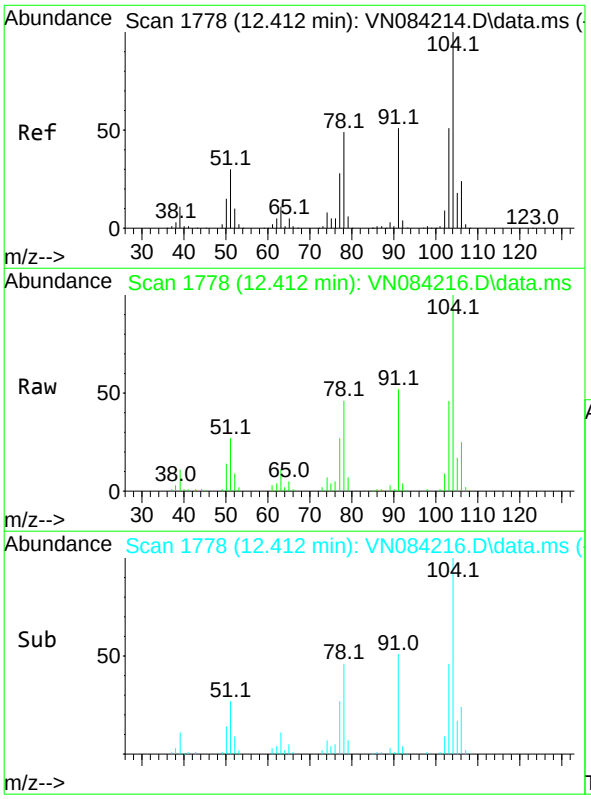
Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

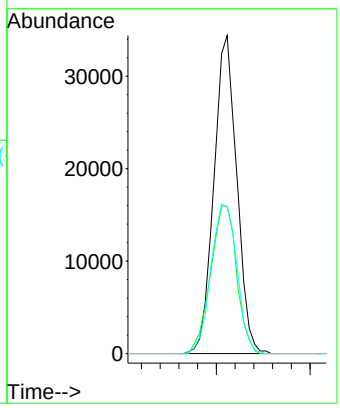
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

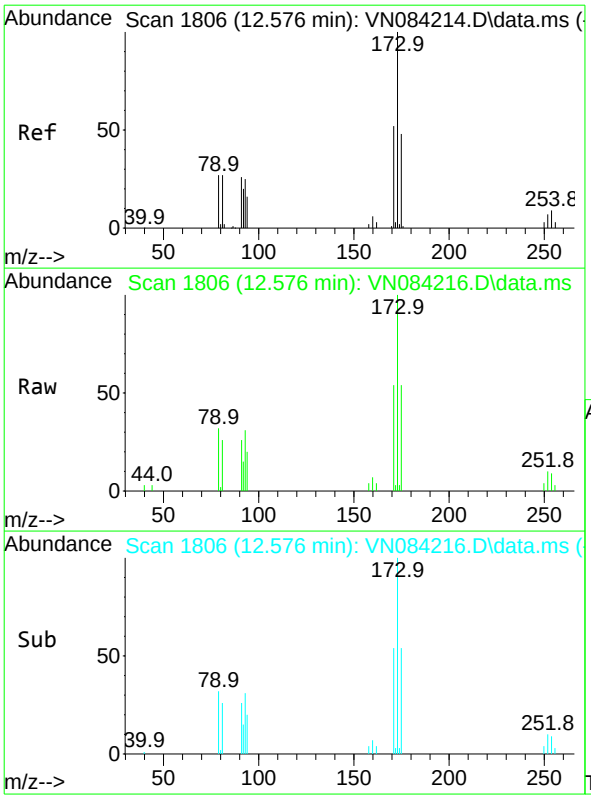


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

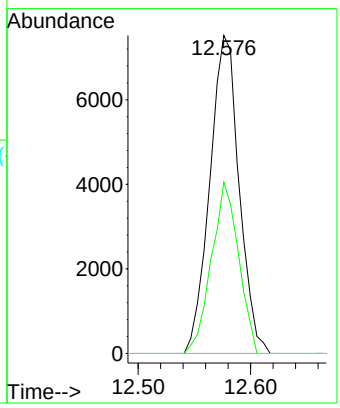




#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:173 Resp: 13618

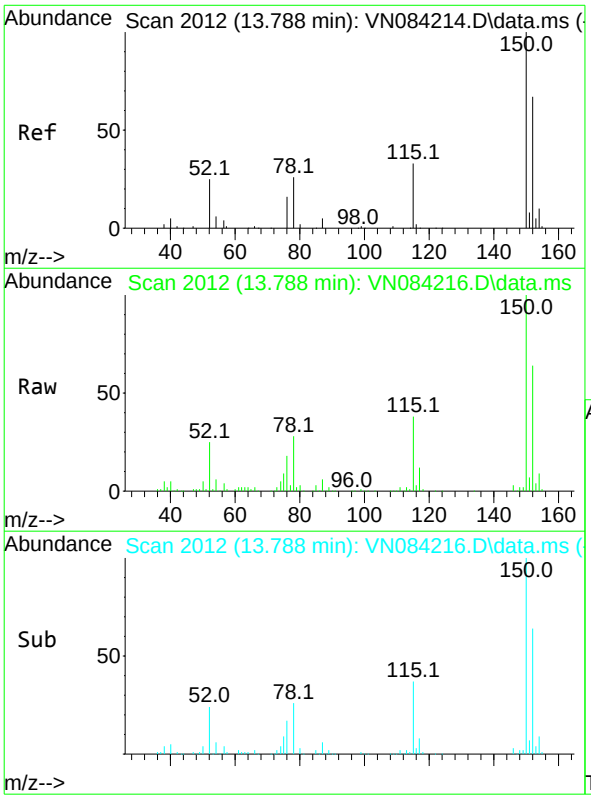
Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

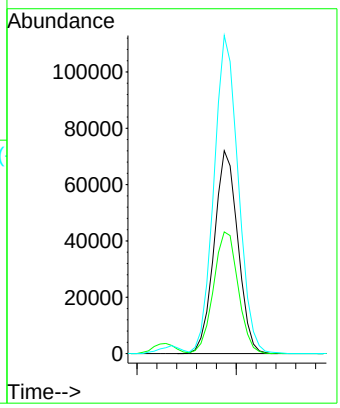
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

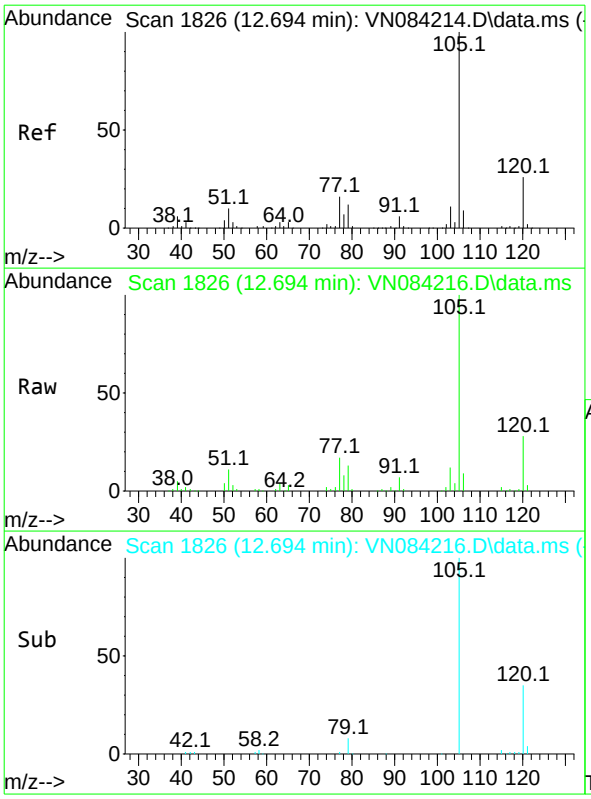


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

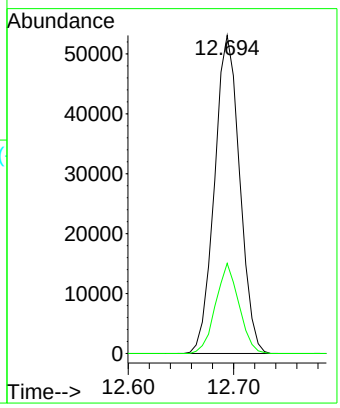




#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88000

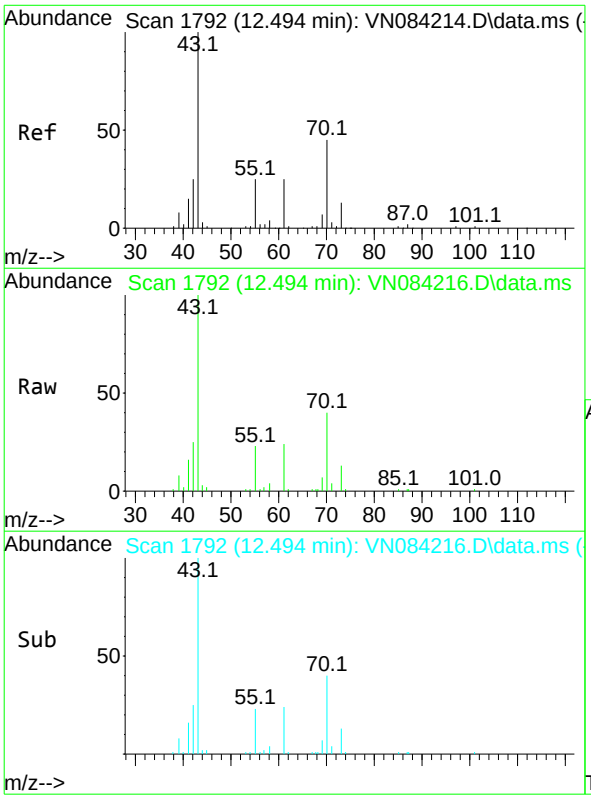
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

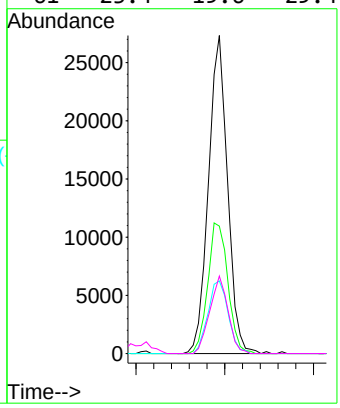
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

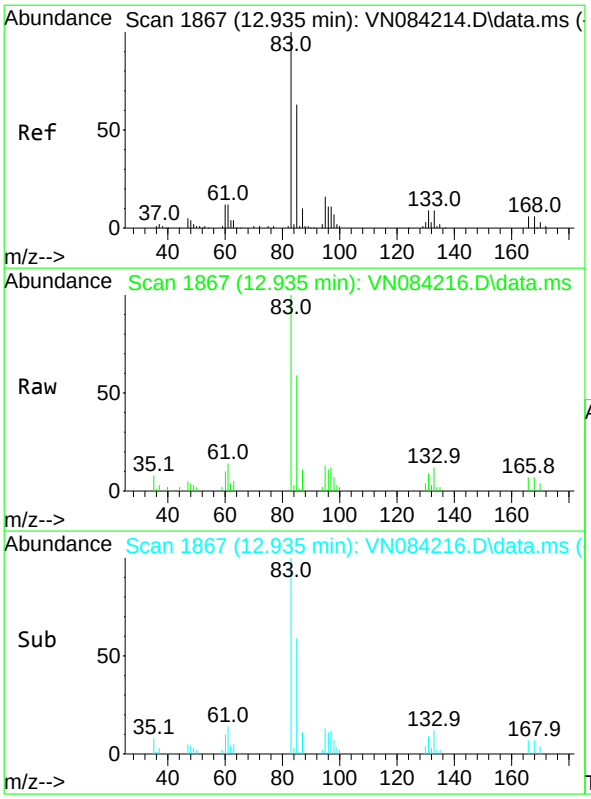


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

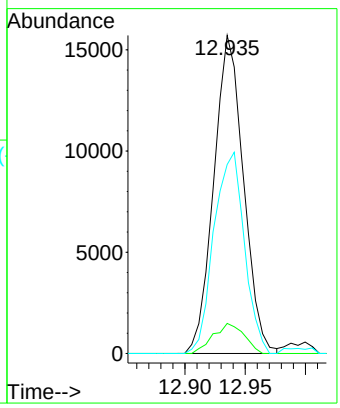




#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 26966

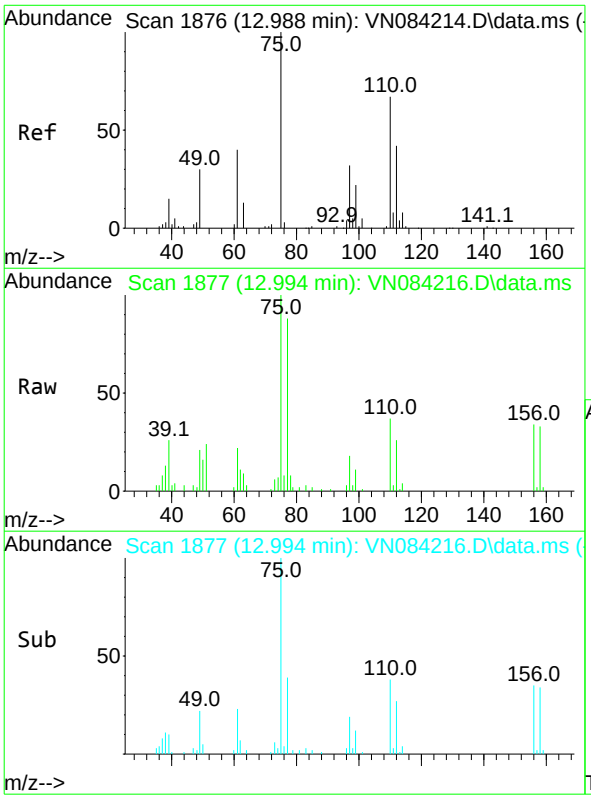
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

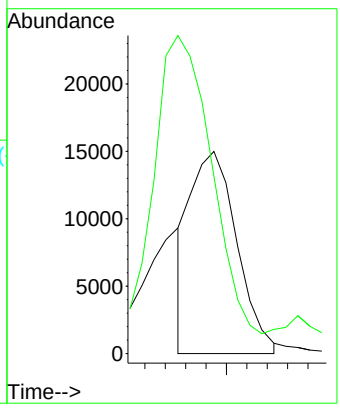
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

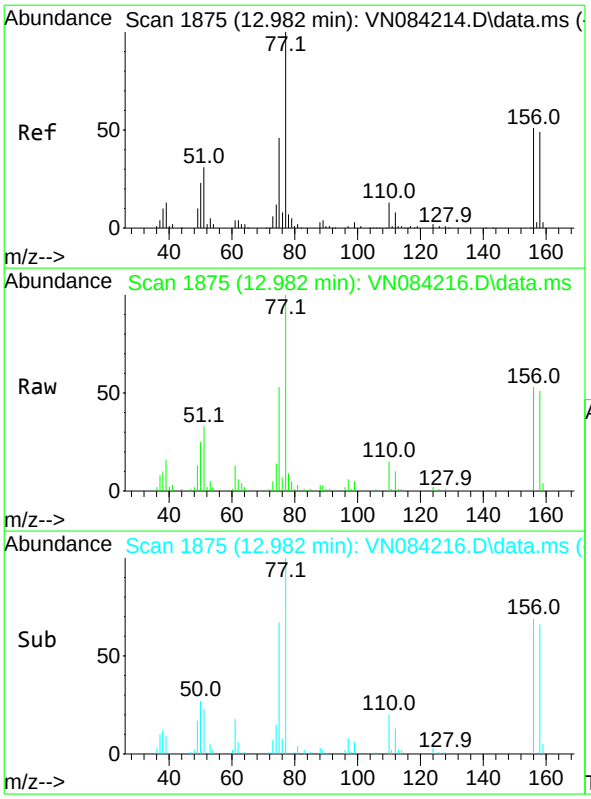


#76
1,2,3-Trichloropropane
Concen: 10.024 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 23907

Ion	Ratio	Lower	Upper
75	100		
77	205.3	96.9	290.7

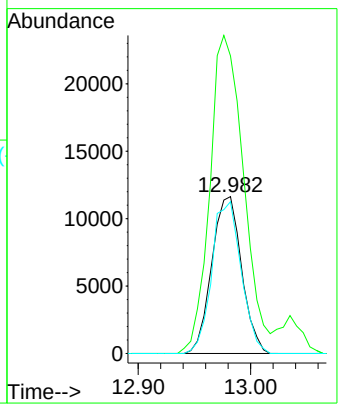




#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:156 Resp: 21439

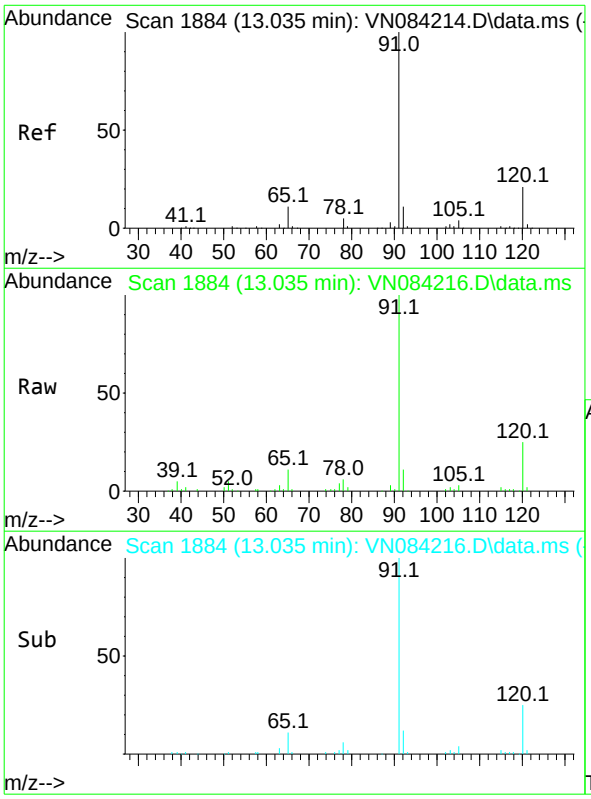
Ion	Ratio	Lower	Upper
156	100		
77	229.0	115.1	345.3
158	95.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

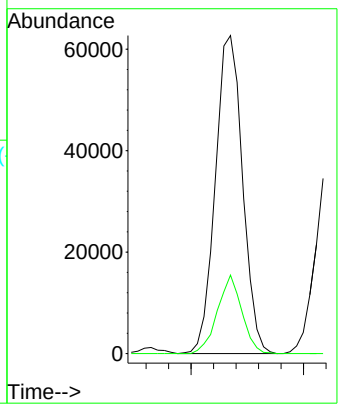
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

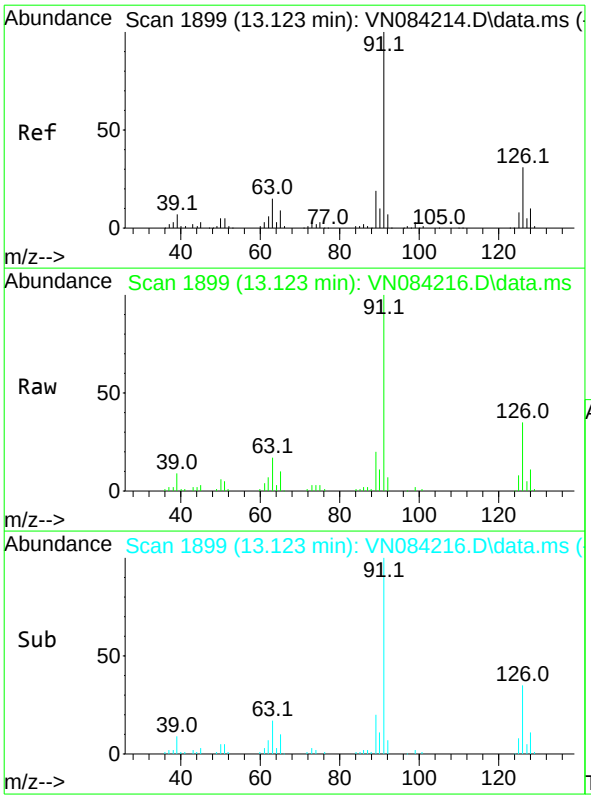


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

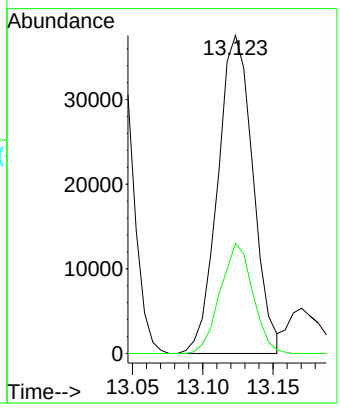
Tgt Ion: 91 Resp: 65511

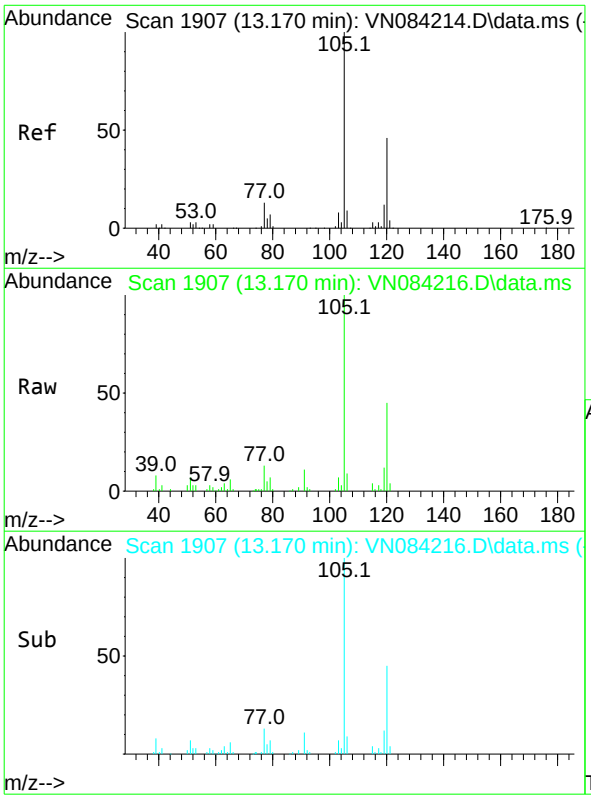
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

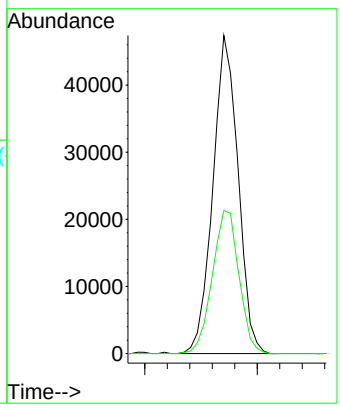


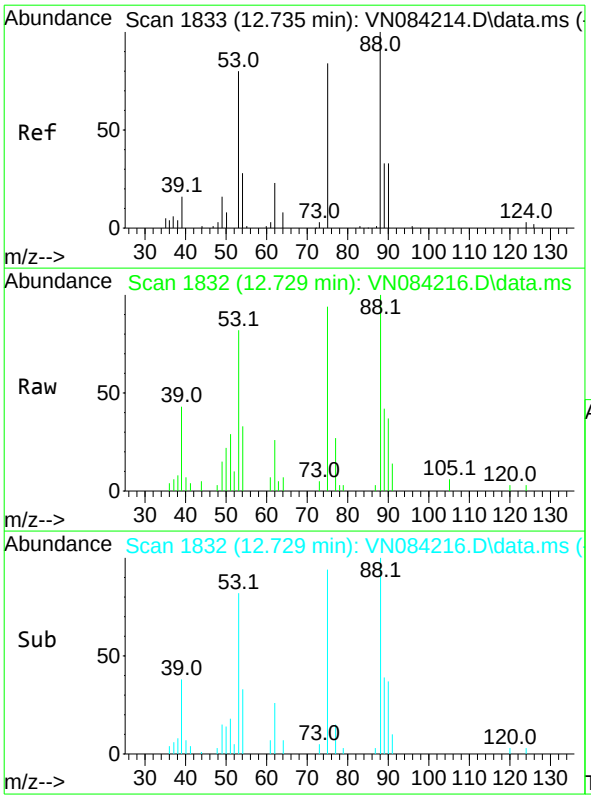


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1

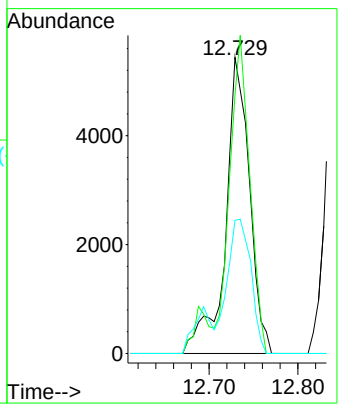




#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 10237

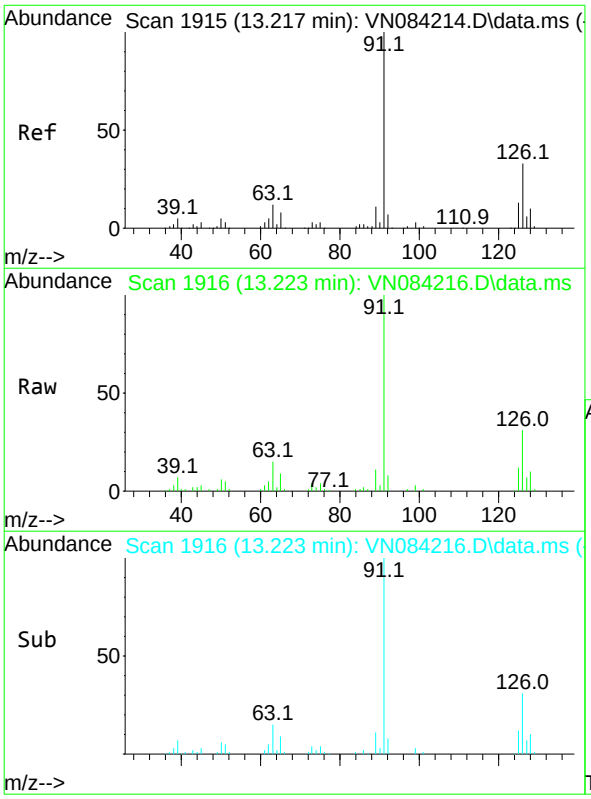
Ion	Ratio	Lower	Upper
75	100		
53	89.4	78.0	117.0
89	44.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

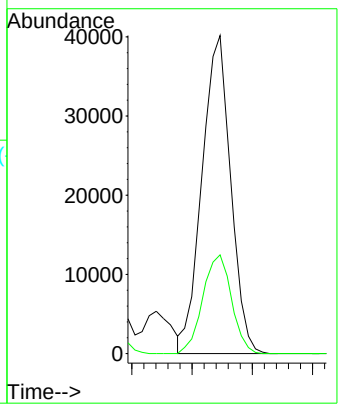
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

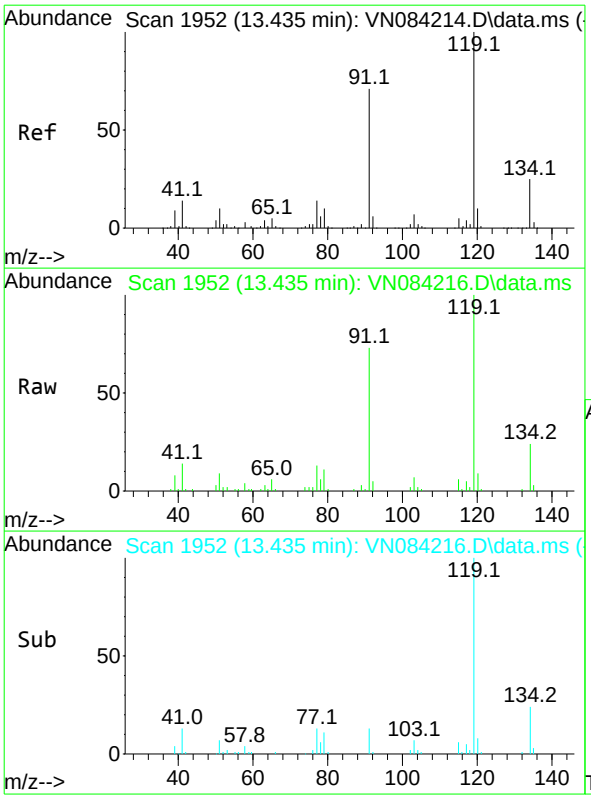


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

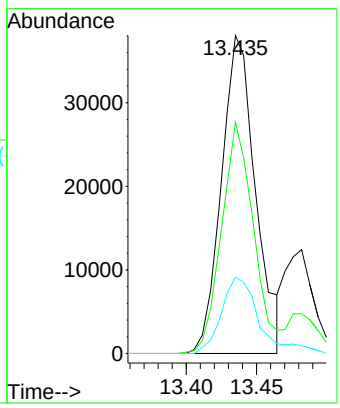




#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 64152

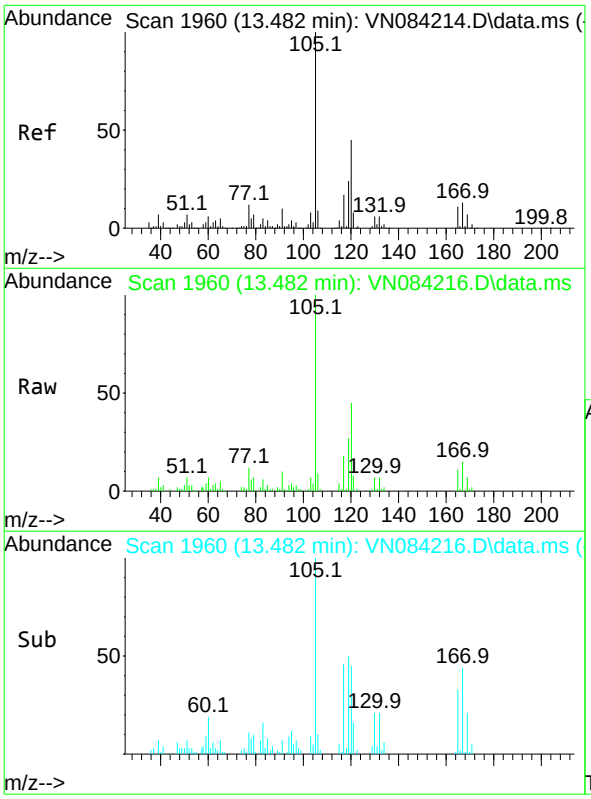
Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	26.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

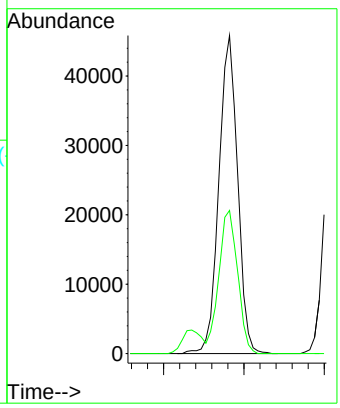
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

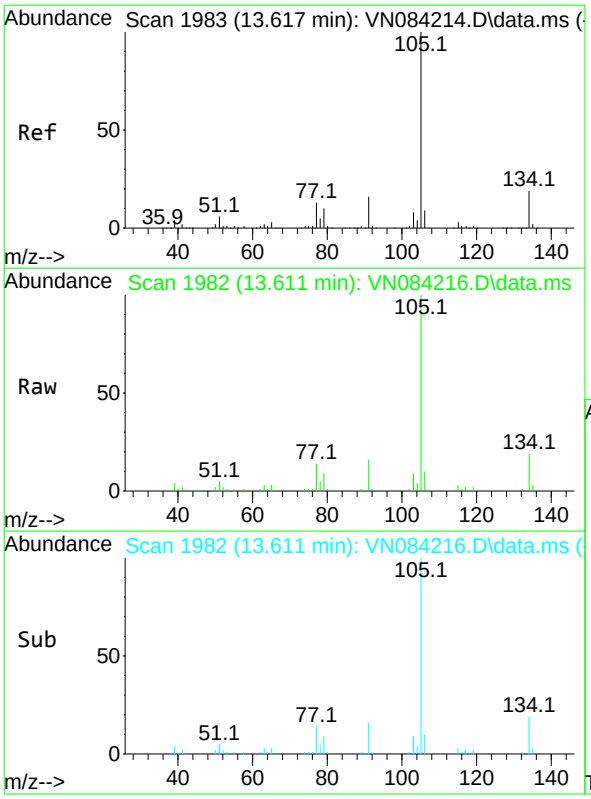


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8

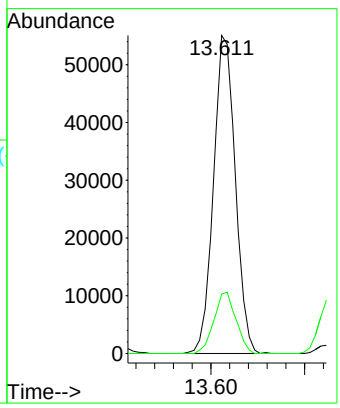




#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88913

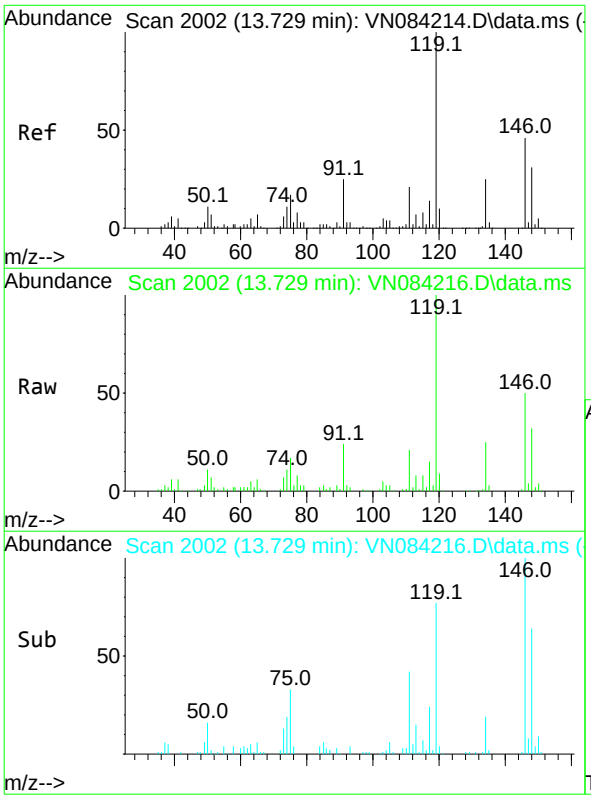
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

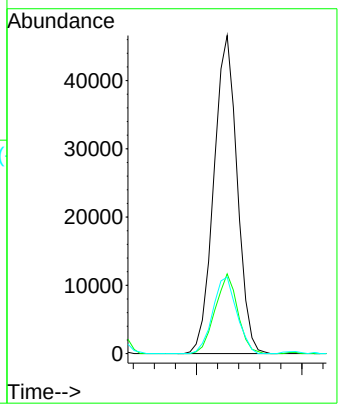
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

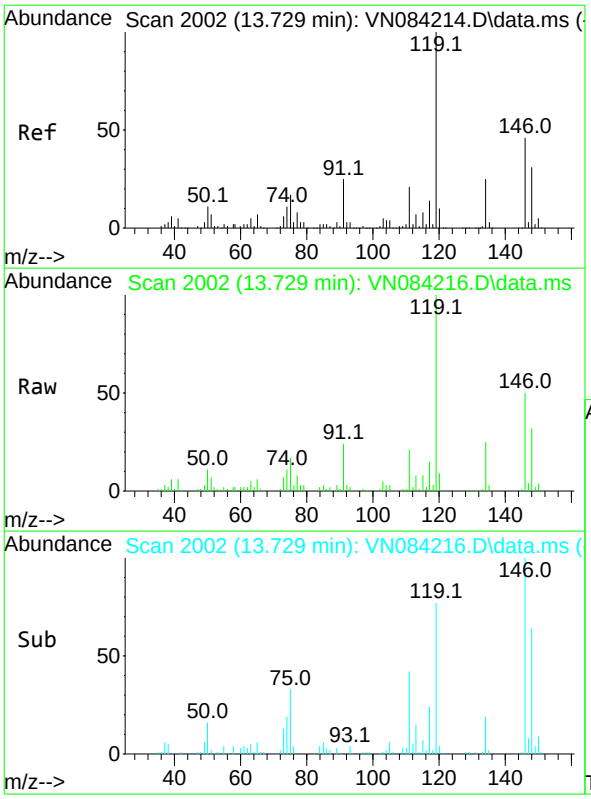


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

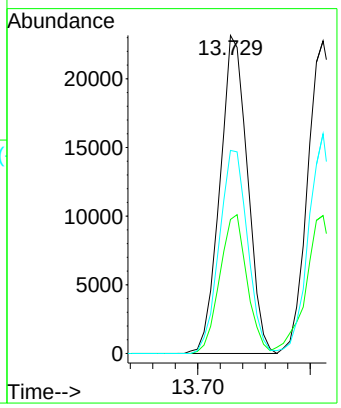




#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39402

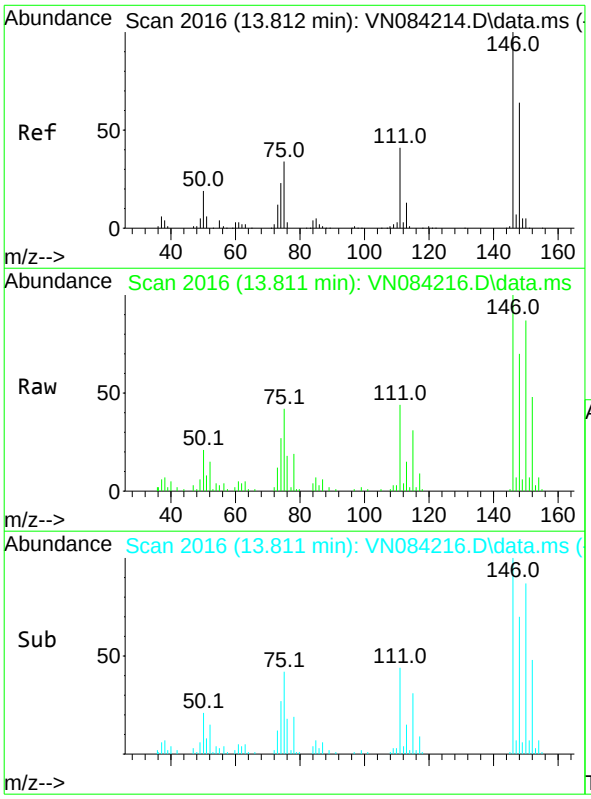
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

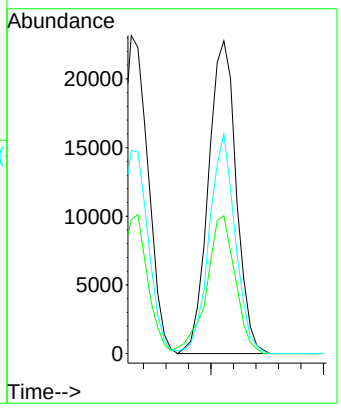
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

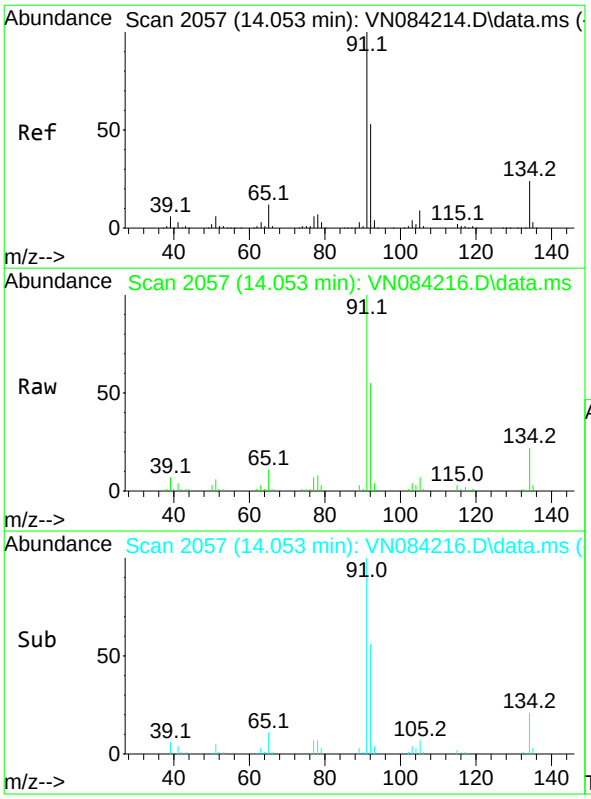


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

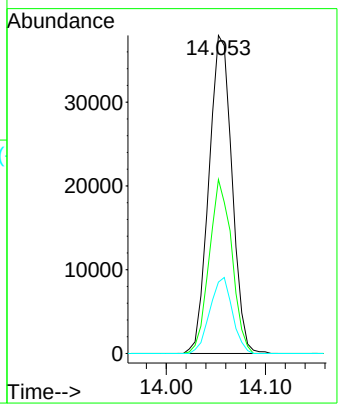




#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 61422

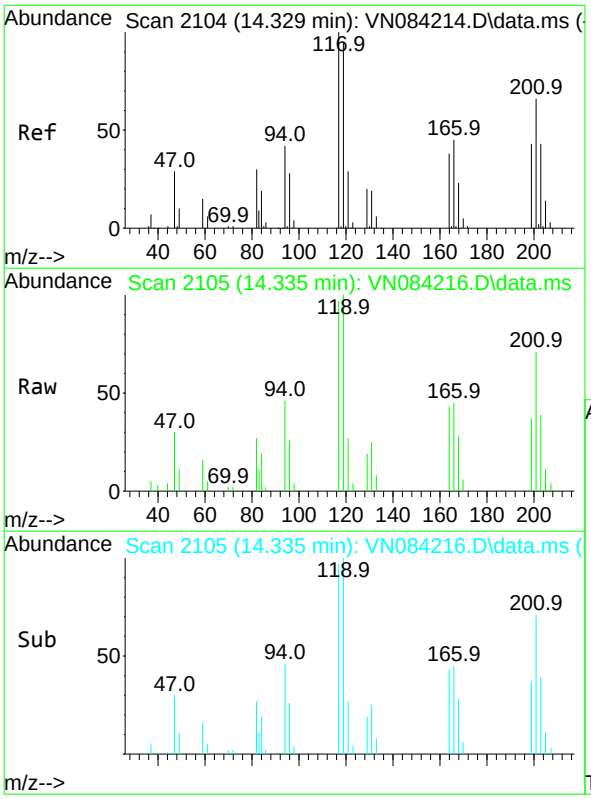
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	23.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

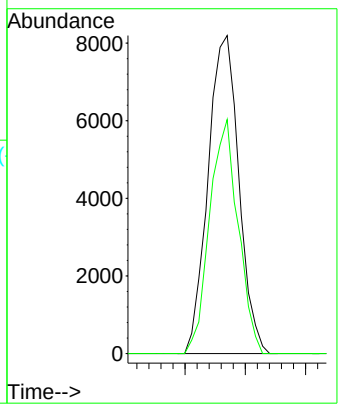
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

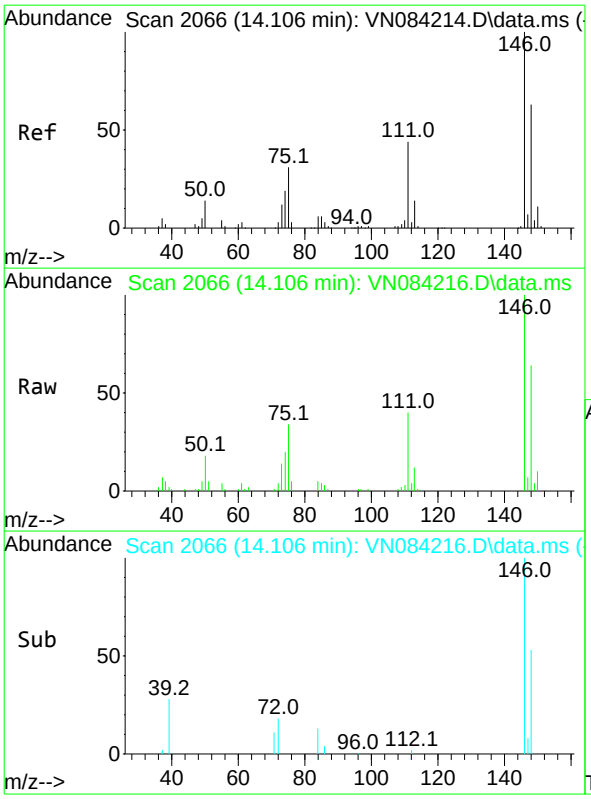


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2

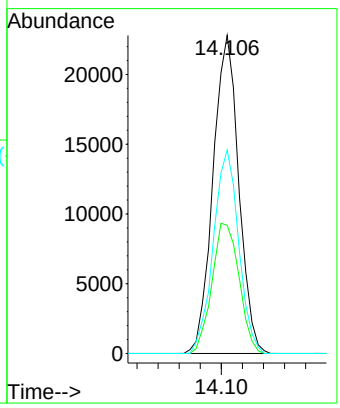




#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 38594

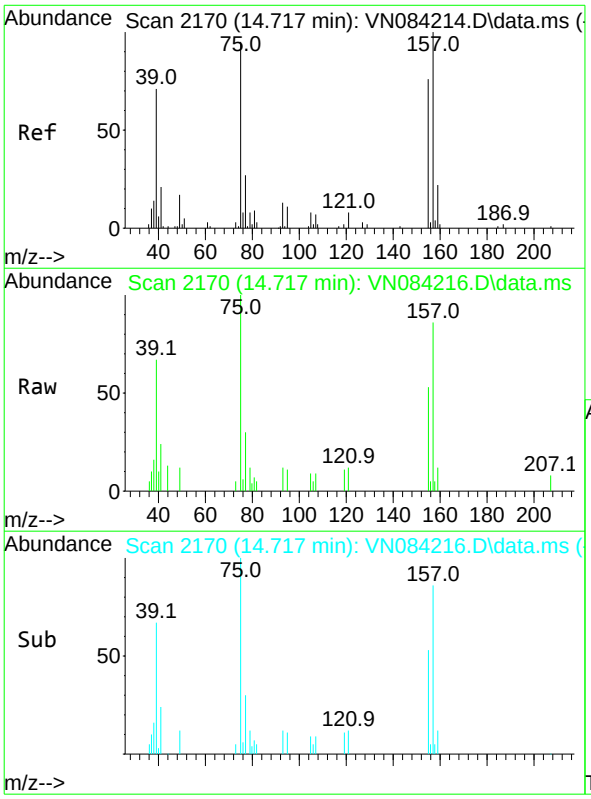
Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

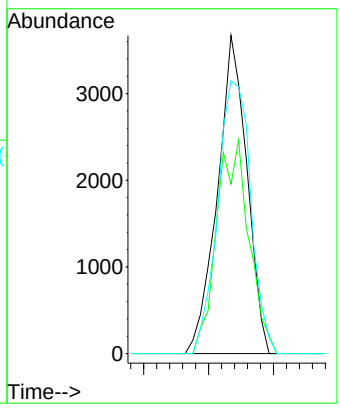
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

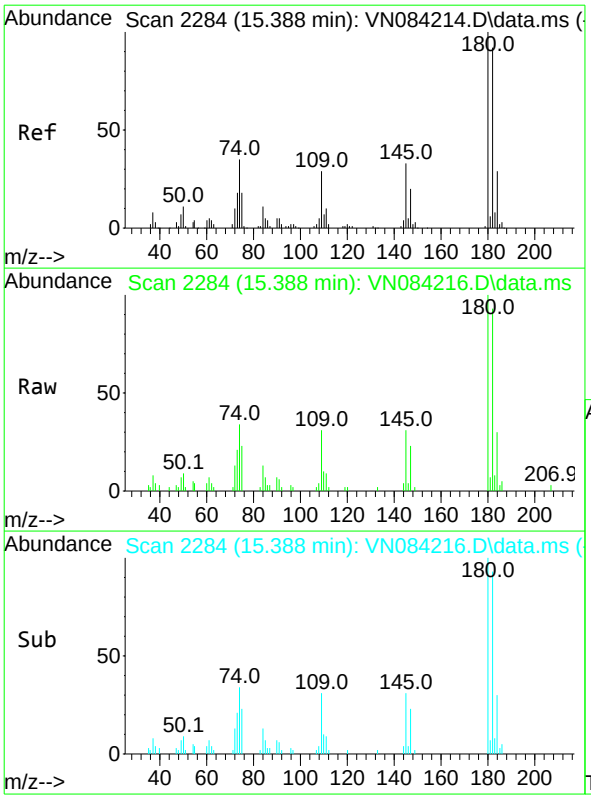


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

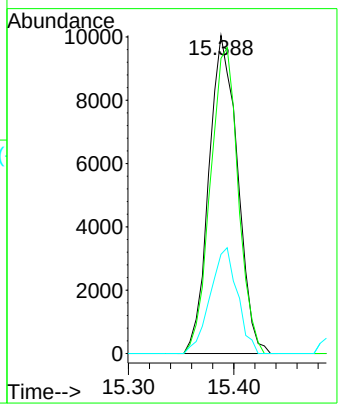




#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 18960

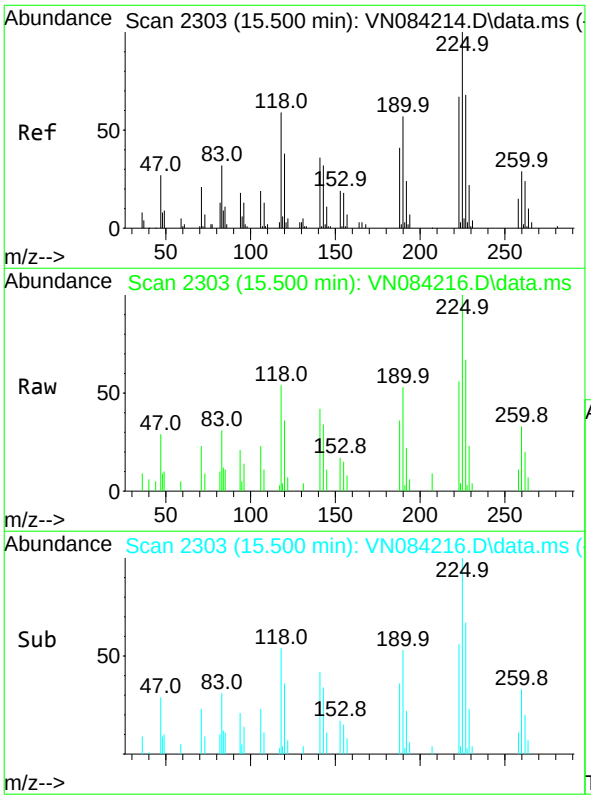
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	31.7	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

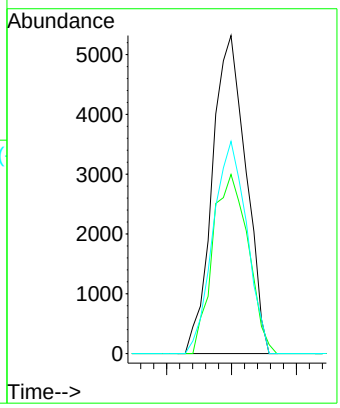
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

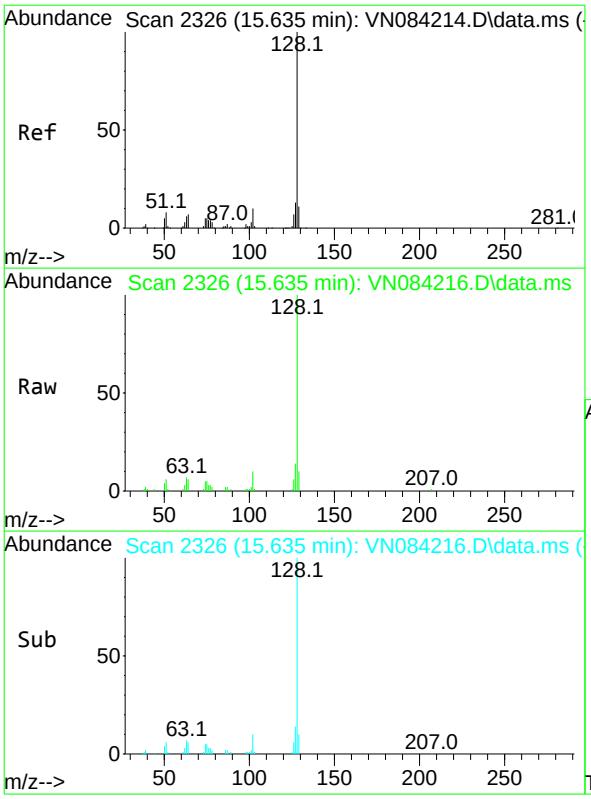


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

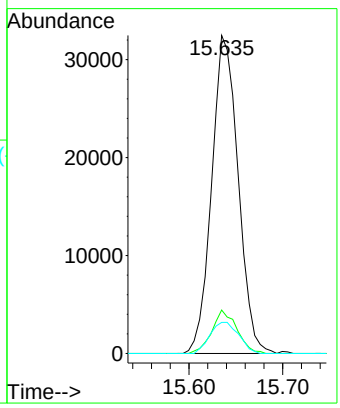




#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:128 Resp: 63596

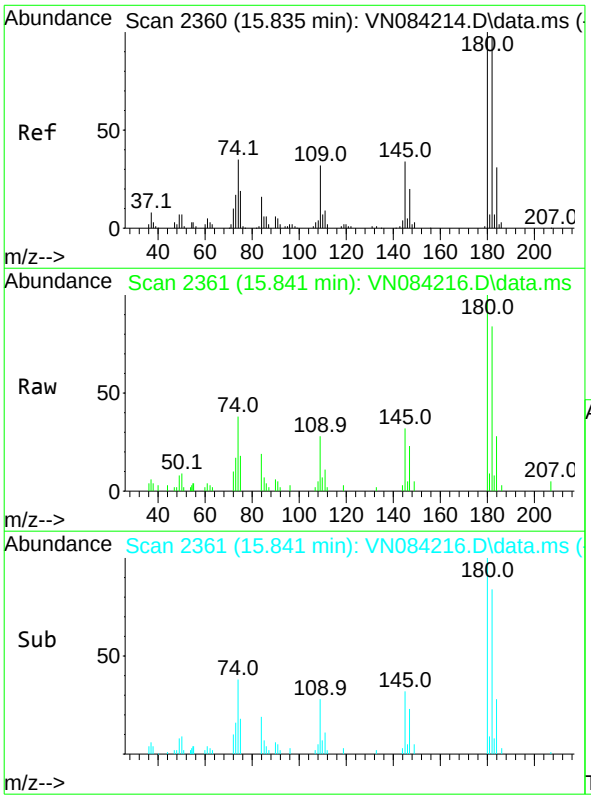
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

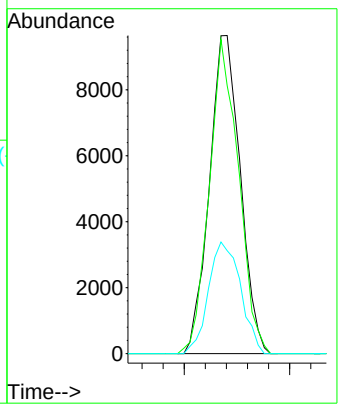
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

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)
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

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

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	7878	5.128	ug/l		93
42) 1,2-Dichloroethane	8.677	62	15661	5.375	ug/l		99
43) Isopropyl Acetate	8.682	43	28029m	5.059	ug/l		
44) Trichloroethene	9.347	130	10921	5.440	ug/l		87
45) 1,2-Dichloropropane	9.618	63	11181	5.499	ug/l		95
46) Dibromomethane	9.706	93	7207	5.253	ug/l		93
47) Bromodichloromethane	9.888	83	16407	5.382	ug/l	#	97
48) Methyl methacrylate	9.676	41	11766	5.332	ug/l		97
49) 1,4-Dioxane	9.688	88	4121	101.444	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	69730	25.883	ug/l		99
52) Toluene	10.629	92	26489	5.054	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	16242	5.227	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	17448	5.220	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	9805	5.219	ug/l		89
56) Ethyl methacrylate	10.876	69	15794	5.109	ug/l		96
57) 1,3-Dichloropropane	11.159	76	17954	5.348	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	38417	26.787	ug/l		99
59) 2-Hexanone	11.194	43	51488	25.570	ug/l		98
60) Dibromochloromethane	11.359	129	11412	5.141	ug/l		96
61) 1,2-Dibromoethane	11.470	107	10394	5.324	ug/l		98
64) Tetrachloroethene	11.106	164	9167	5.356	ug/l		90
65) Chlorobenzene	11.888	112	28818	5.290	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	10054	5.358	ug/l		97
67) Ethyl Benzene	11.965	91	49891	5.178	ug/l		97
68) m/p-Xylenes	12.065	106	35820	10.051	ug/l		98
69) o-Xylene	12.400	106	18041	5.350	ug/l		96
70) Styrene	12.412	104	28472	4.985	ug/l		99
71) Bromoform	12.582	173	7067	5.115	ug/l	#	95
73) Isopropylbenzene	12.694	105	43468	5.064	ug/l		98
74) N-amyl acetate	12.494	43	19775	5.087	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	14517	5.624	ug/l		94
76) 1,2,3-Trichloropropane	12.994	75	14072m	6.276	ug/l		
77) Bromobenzene	12.976	156	11049	5.336	ug/l		99
78) n-propylbenzene	13.035	91	51120	5.140	ug/l		99
79) 2-Chlorotoluene	13.123	91	33161	5.225	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	36100	5.156	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	4595	4.797	ug/l	#	79
82) 4-Chlorotoluene	13.223	91	33382	5.225	ug/l		99
83) tert-Butylbenzene	13.435	119	31990	5.140	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	36099	5.118	ug/l		100
85) sec-Butylbenzene	13.612	105	40954	4.931	ug/l		98
86) p-Isopropyltoluene	13.729	119	34083	4.963	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	20730	5.337	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	21249	5.417	ug/l		96
89) n-Butylbenzene	14.059	91	30253	4.858	ug/l		99
90) Hexachloroethane	14.329	117	7628	5.472	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	19905	5.226	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3046	5.719	ug/l		92
93) 1,2,4-Trichlorobenzene	15.394	180	9439	5.031	ug/l		95
94) Hexachlorobutadiene	15.500	225	5174	5.530	ug/l		89
95) Naphthalene	15.641	128	30391	4.886	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	9245	4.923	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

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

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

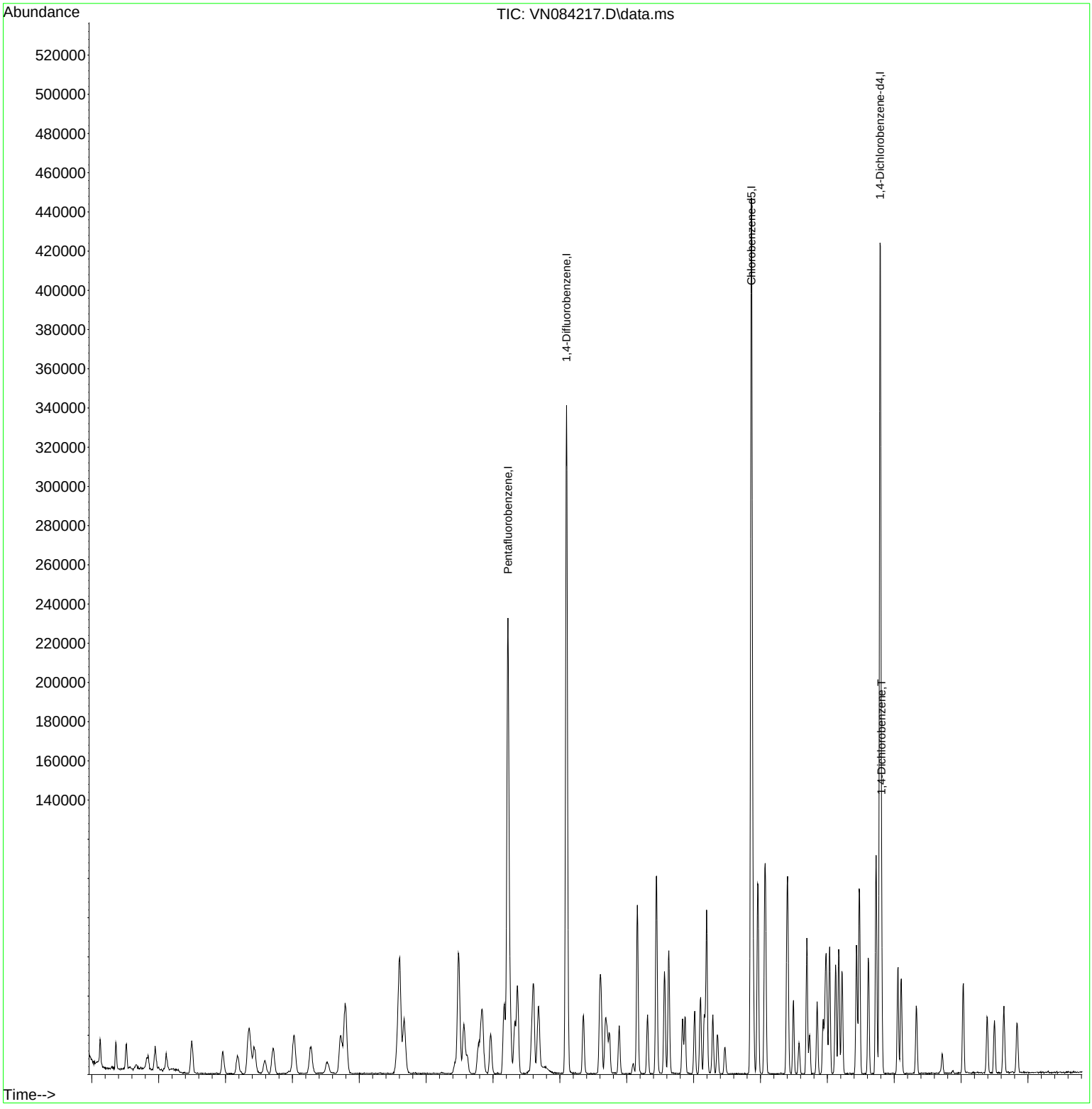
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

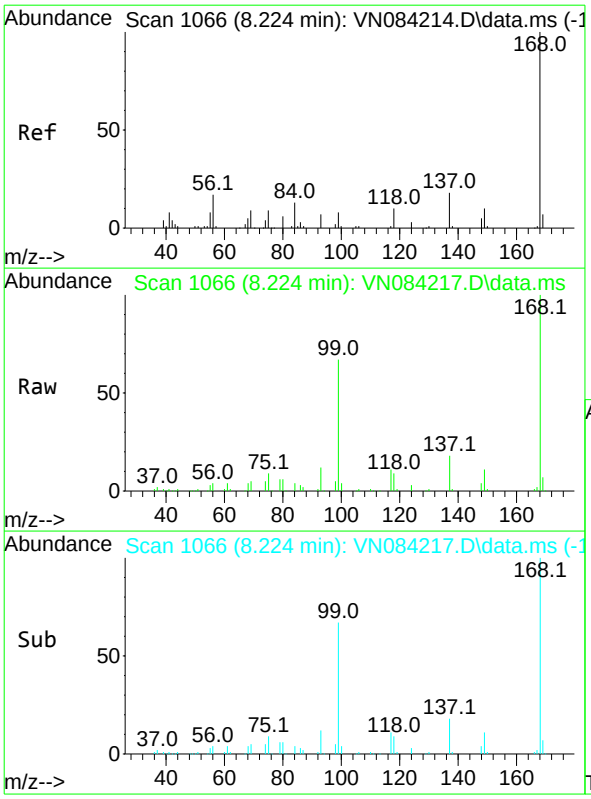
Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

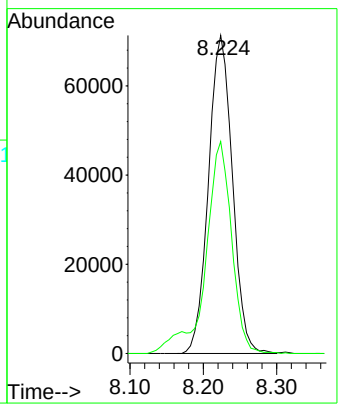




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:168 Resp: 161547

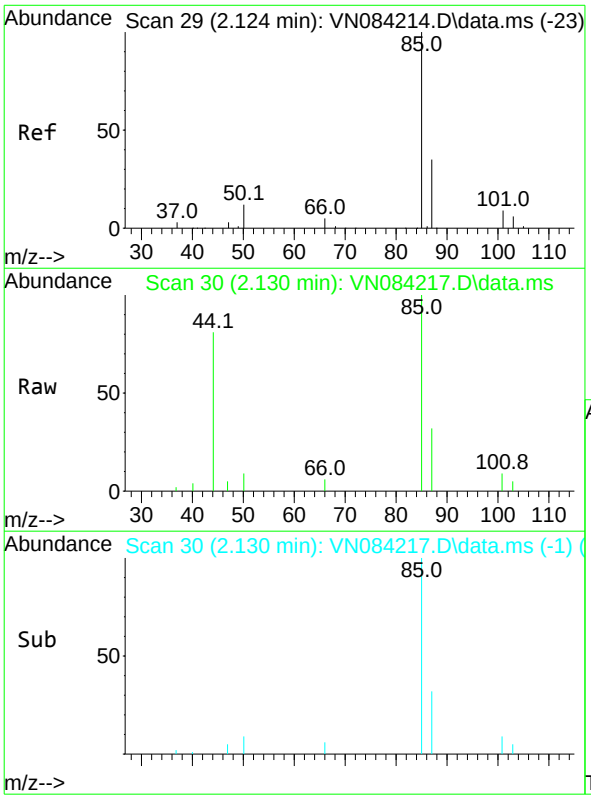
Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

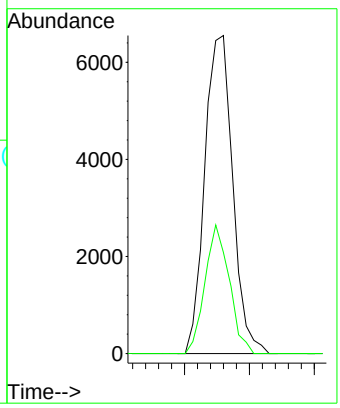
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

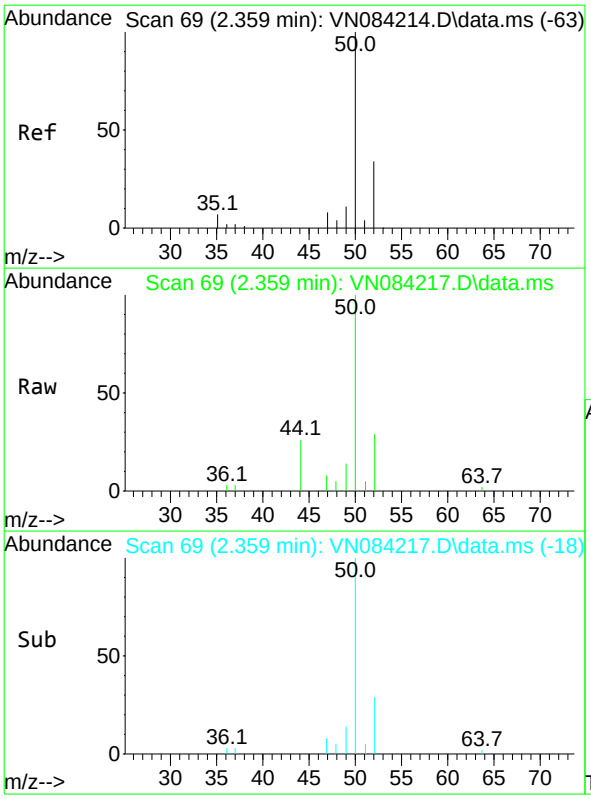


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

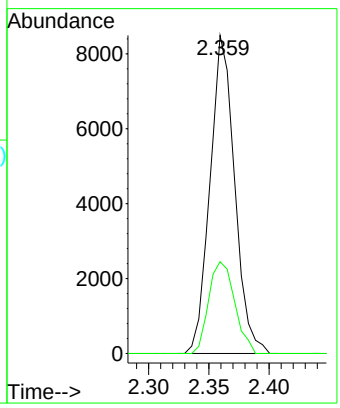




#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 50 Resp: 12064

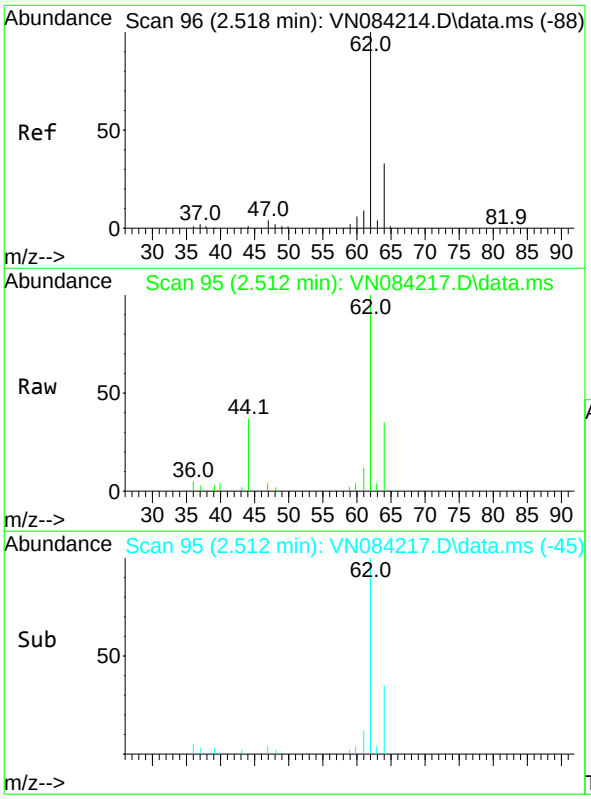
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

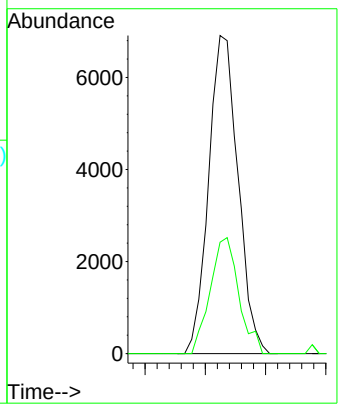
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

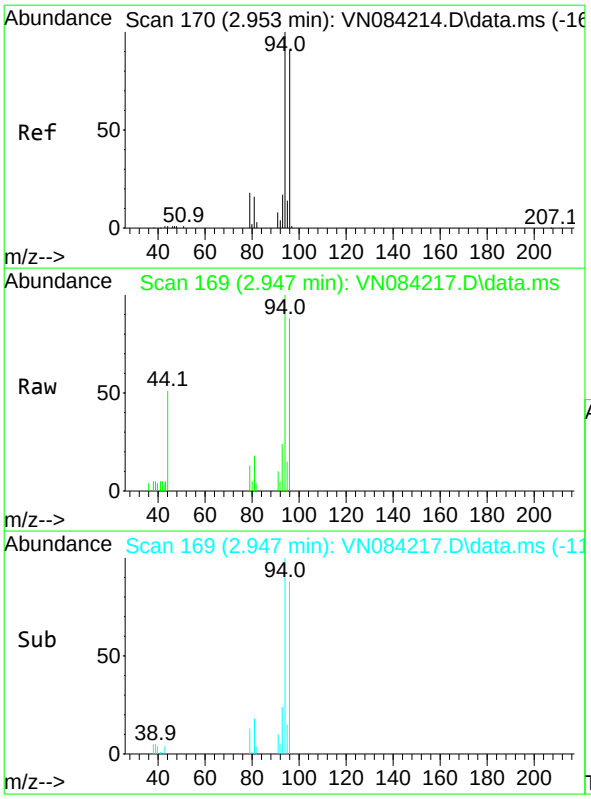


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4

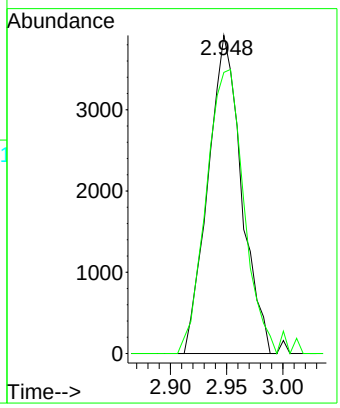




#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 94 Resp: 8091

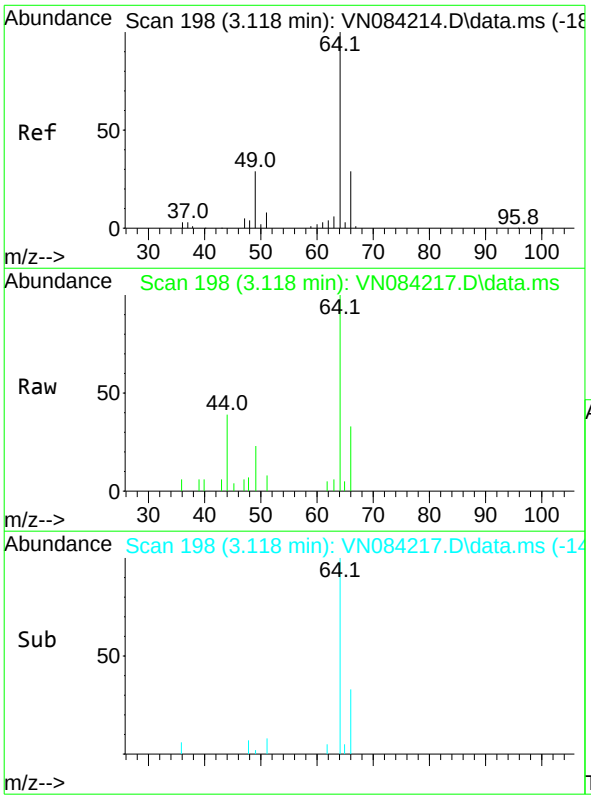
Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

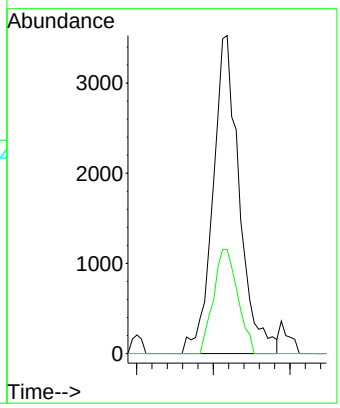
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

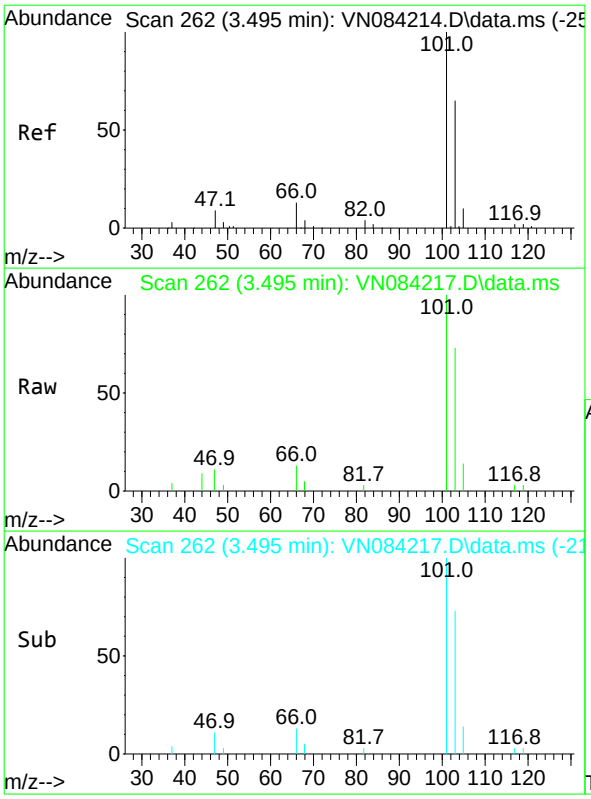


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

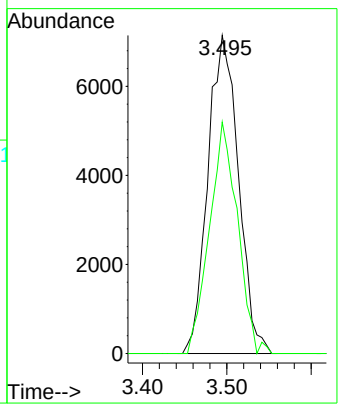




#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:101 Resp: 17988

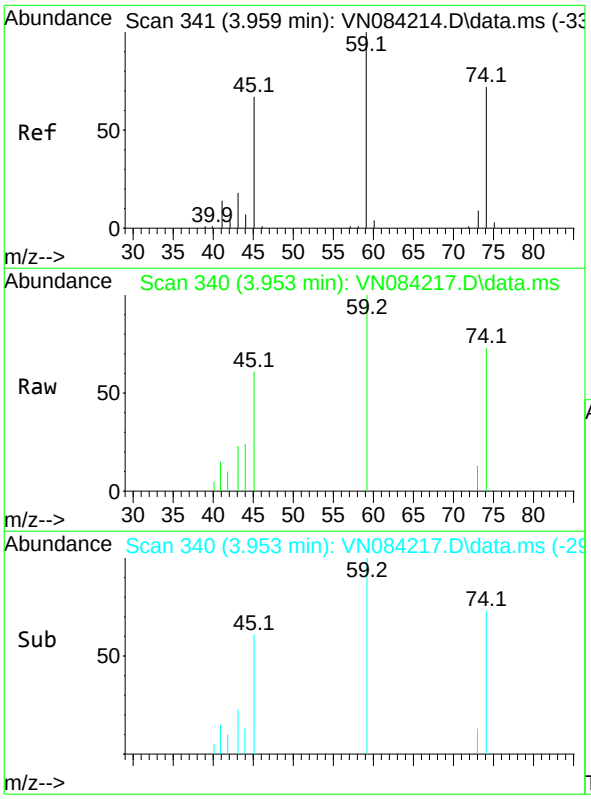
Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

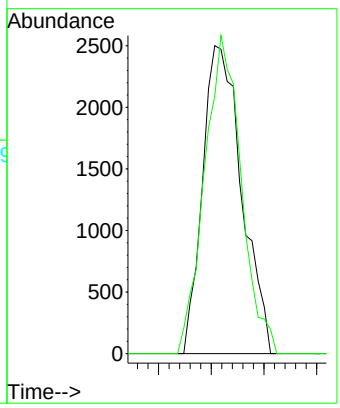
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

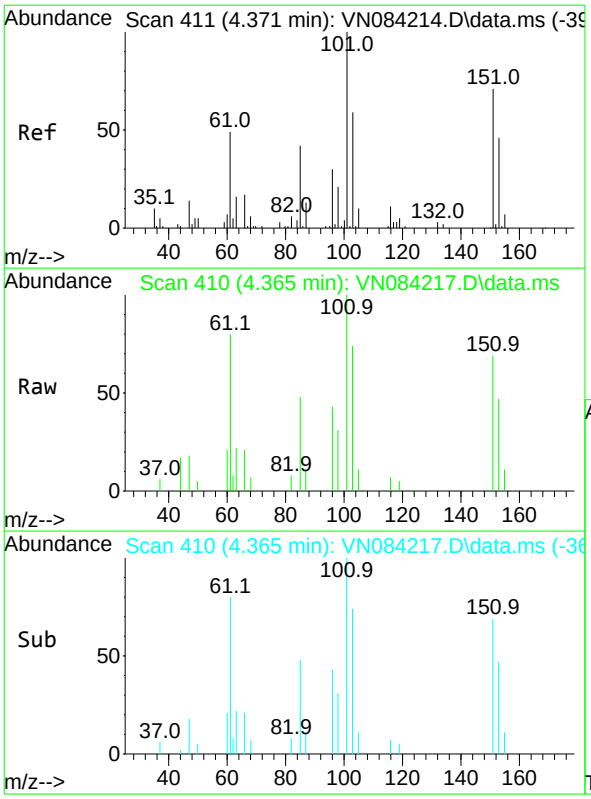


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

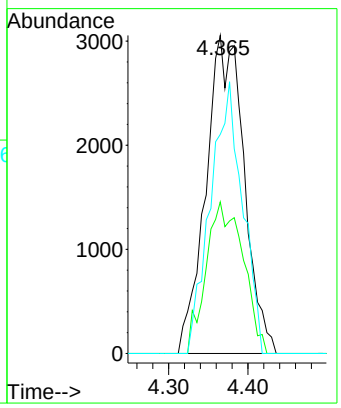
Tgt Ion:101 Resp: 10220

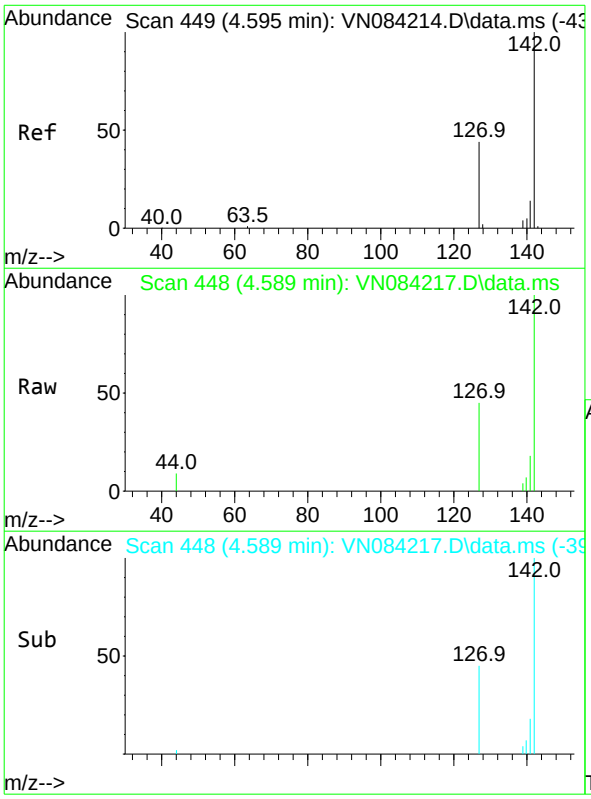
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	71.5	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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

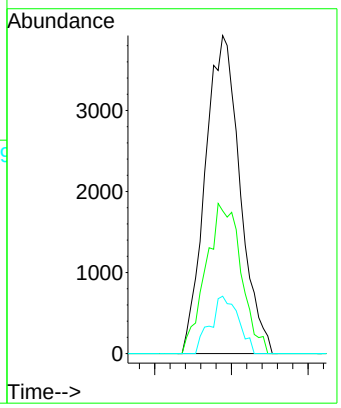


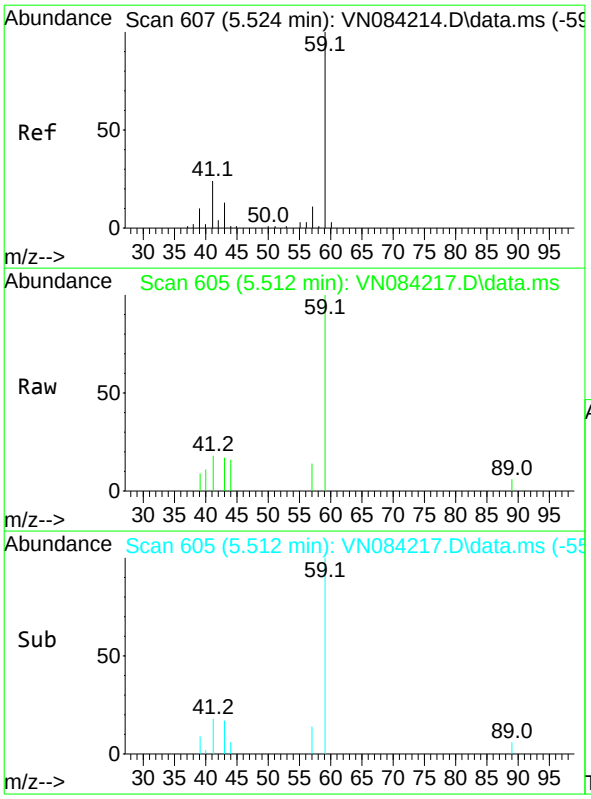


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

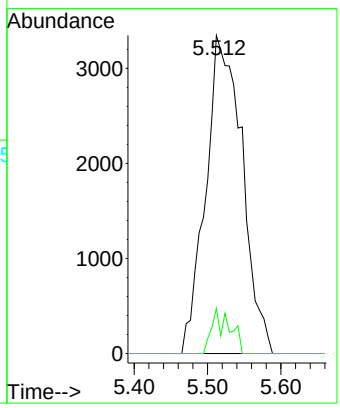




#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 59 Resp: 11537

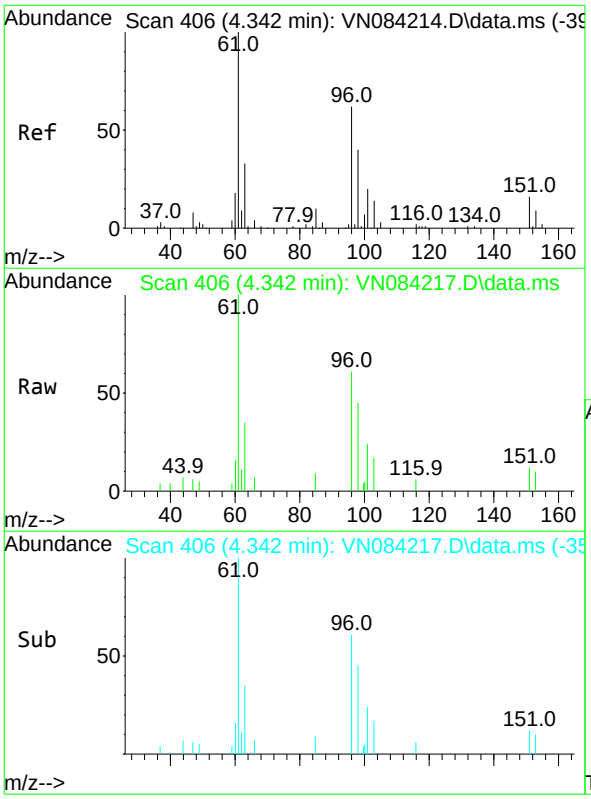
Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

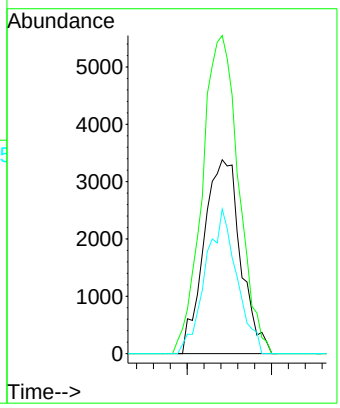
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

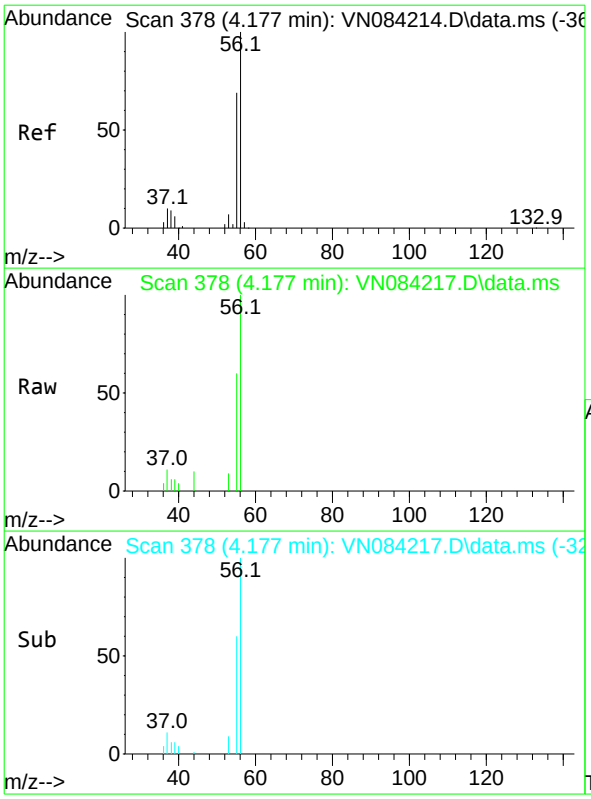


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

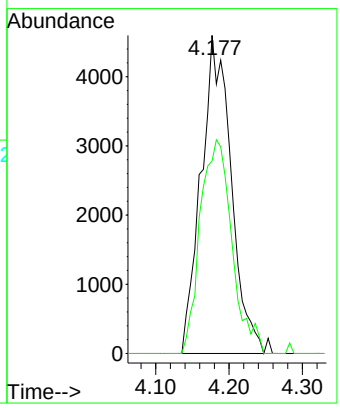




#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 13122

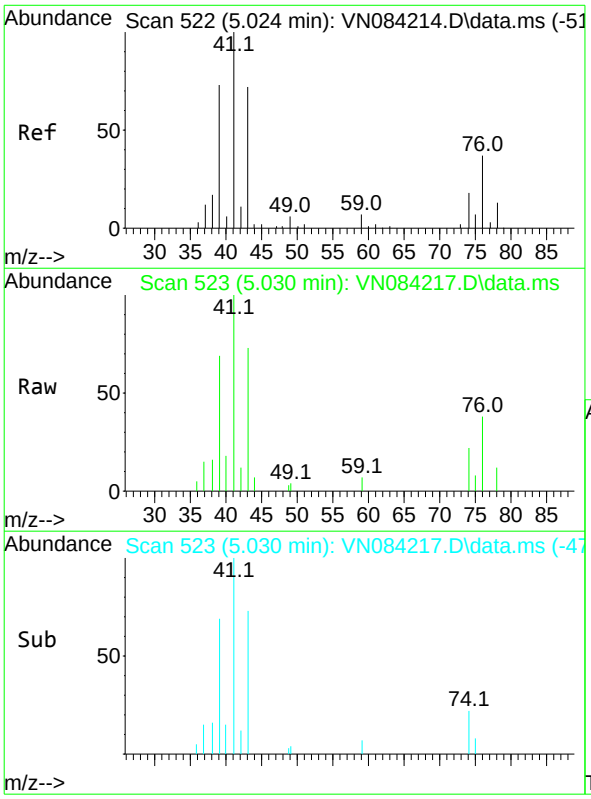
Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

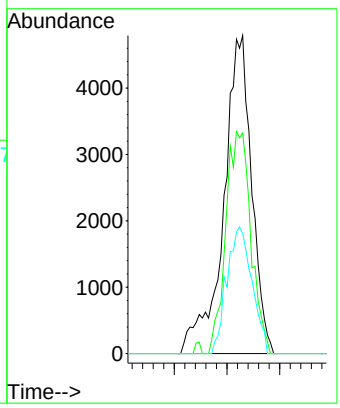
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

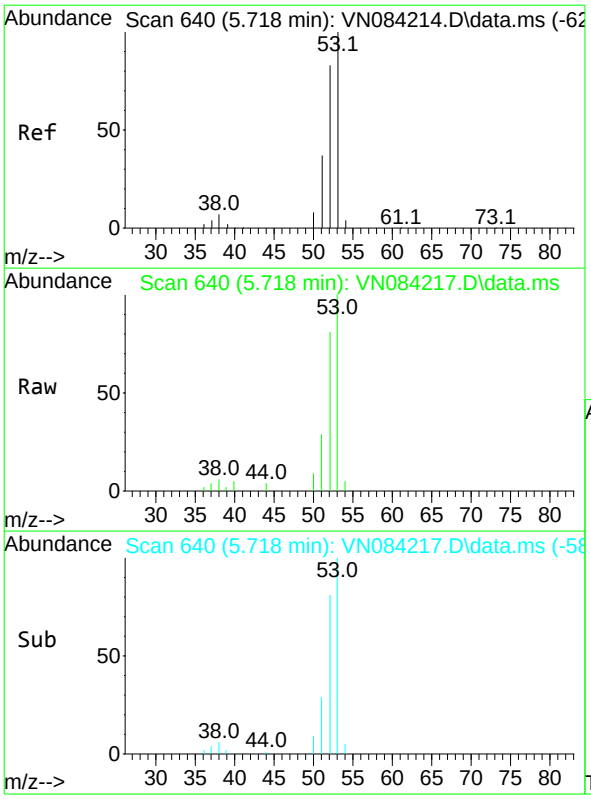


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

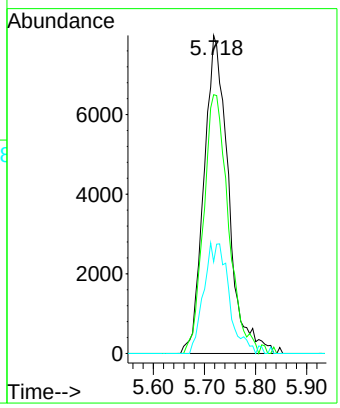




#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 53 Resp: 26537

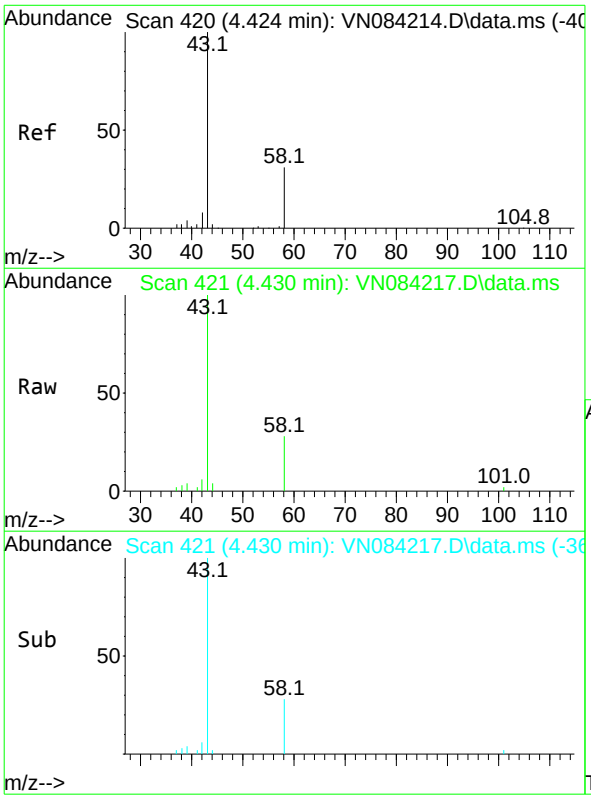
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

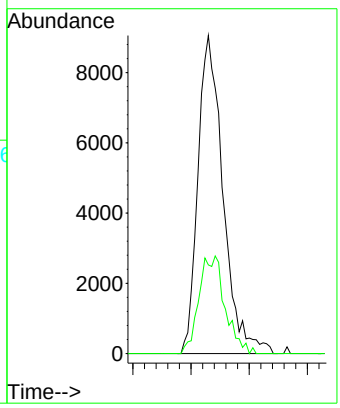
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

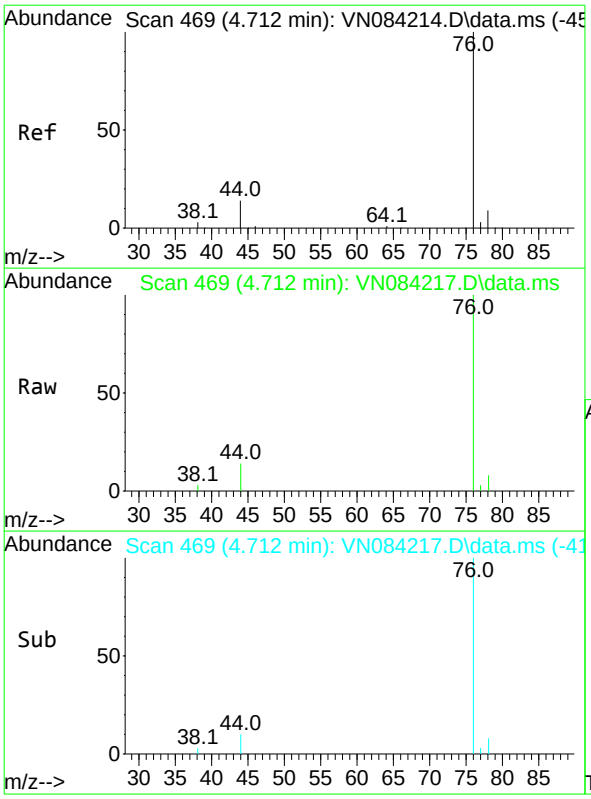


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6

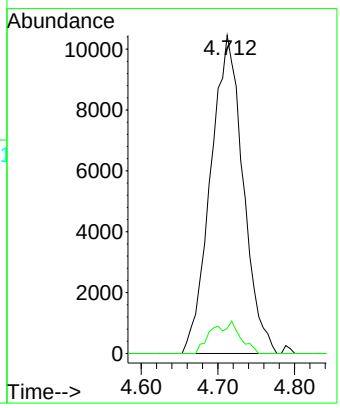




#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 30816

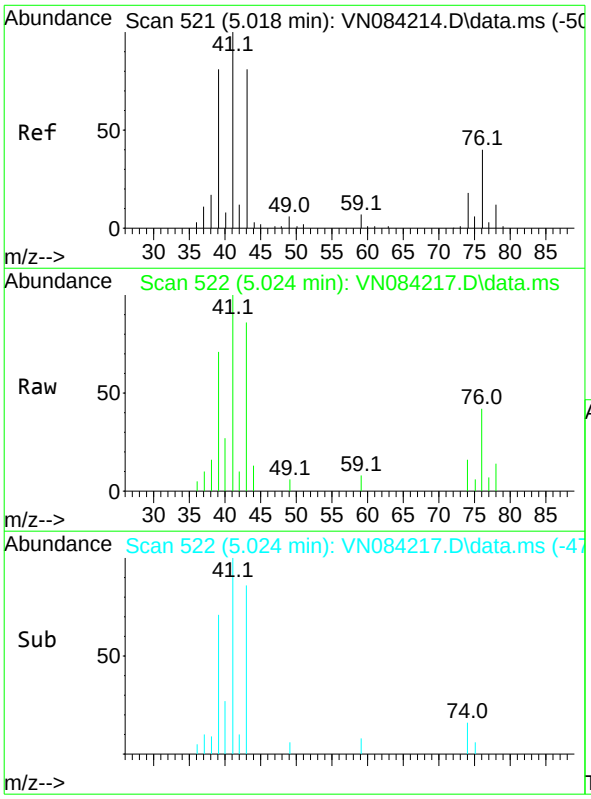
Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

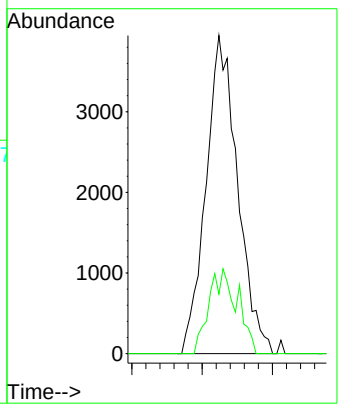
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

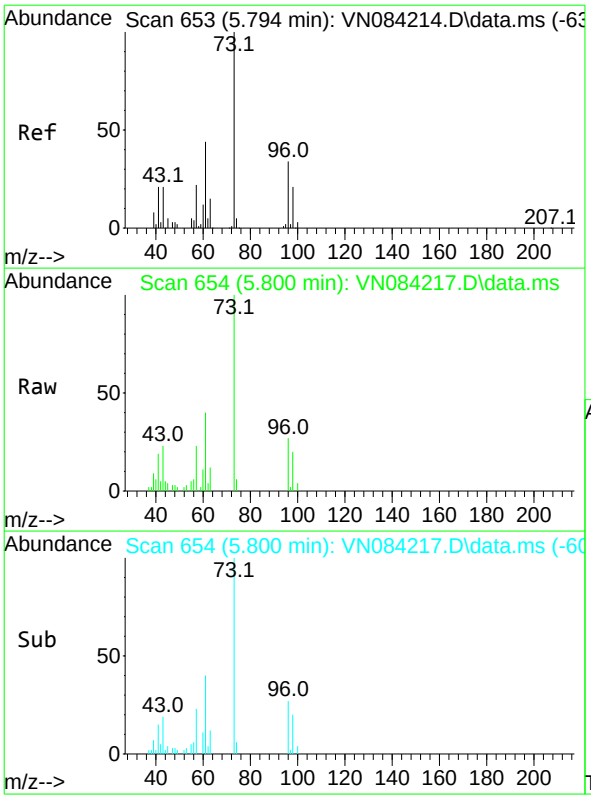


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#

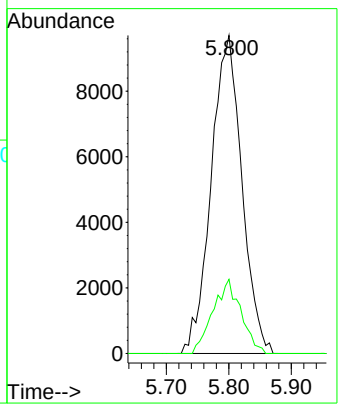




#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 73 Resp: 33101

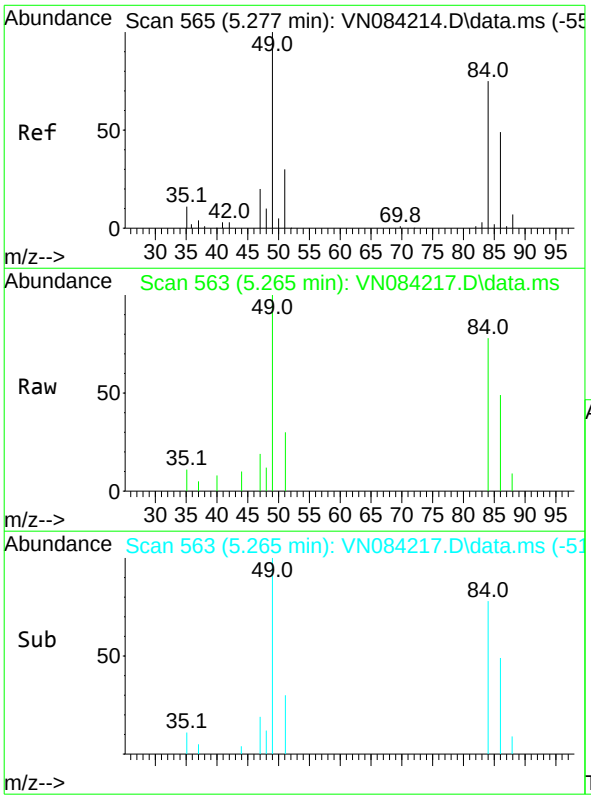
Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

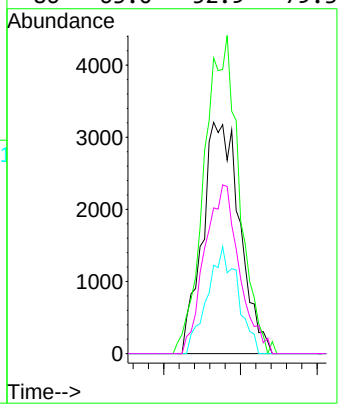
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

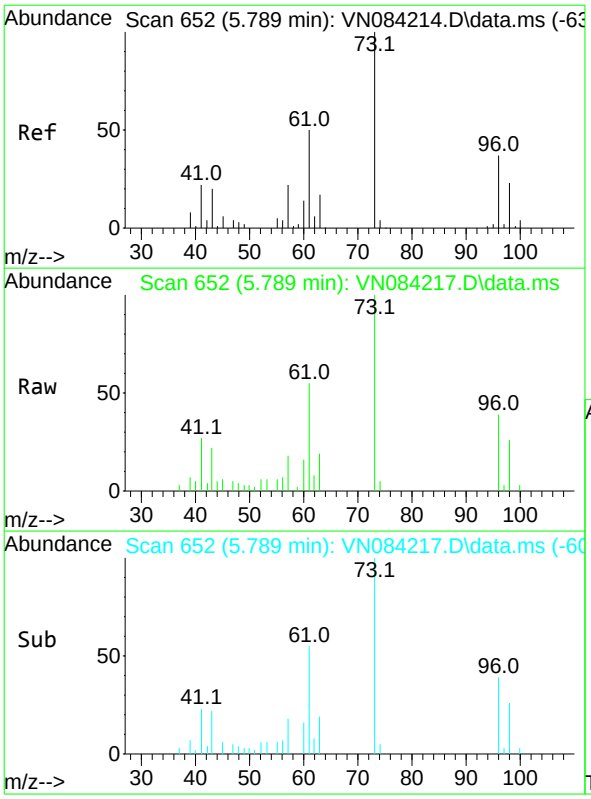


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

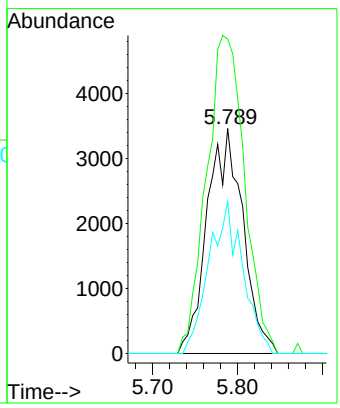




#21
trans-1,2-Dichloroethene
Concen: 5.314 ug/l m
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 10126

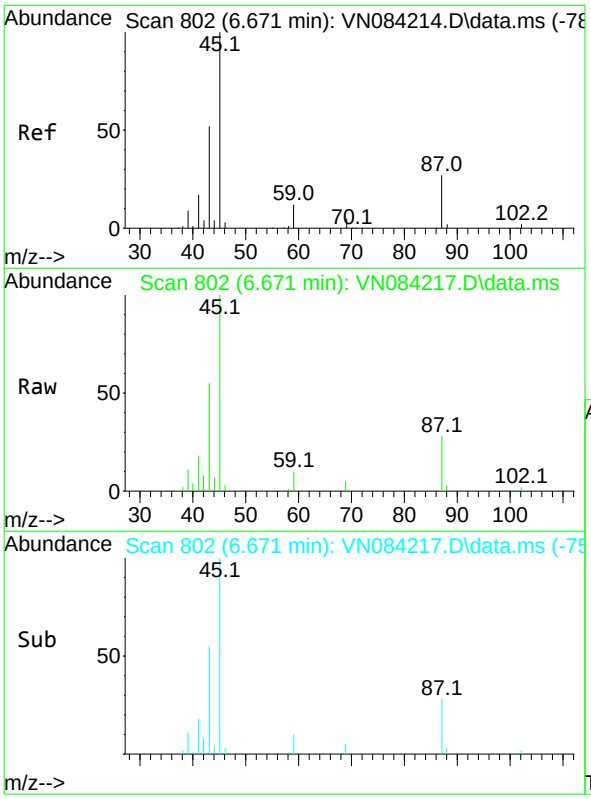
Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	67.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

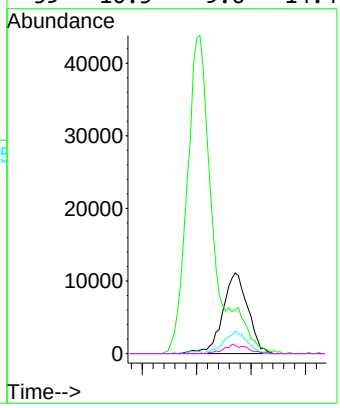
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

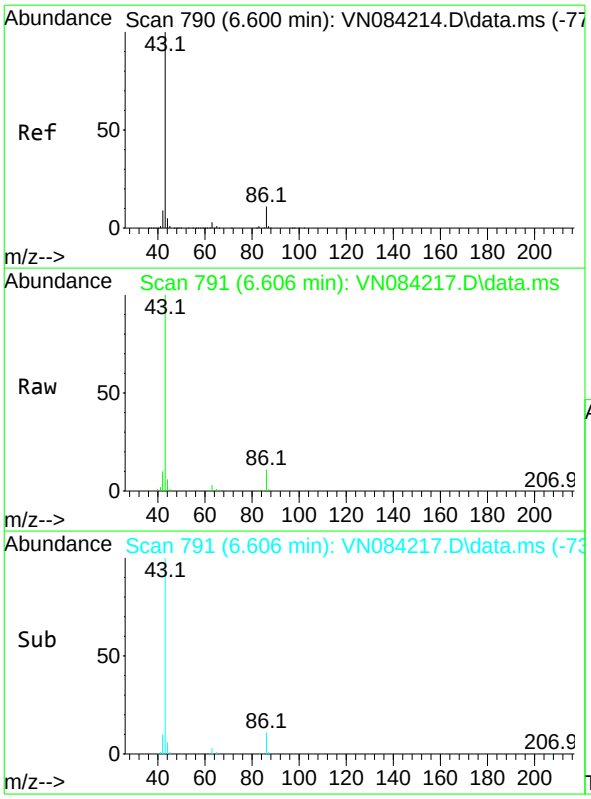


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

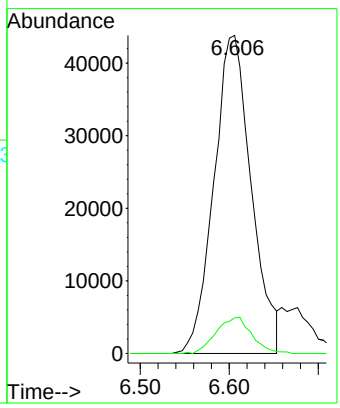




#23
Vinyl Acetate
Concen: 26.284 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 128057

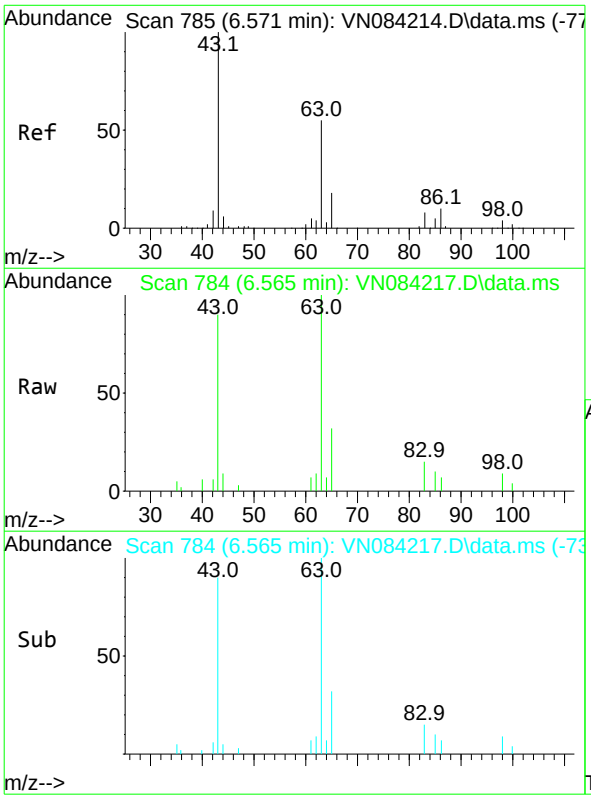
Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

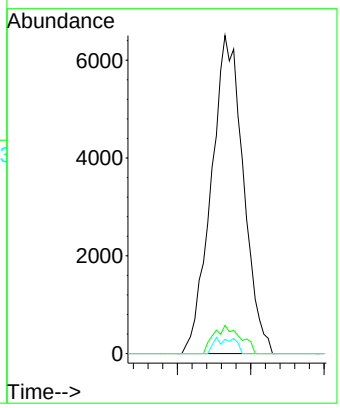
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

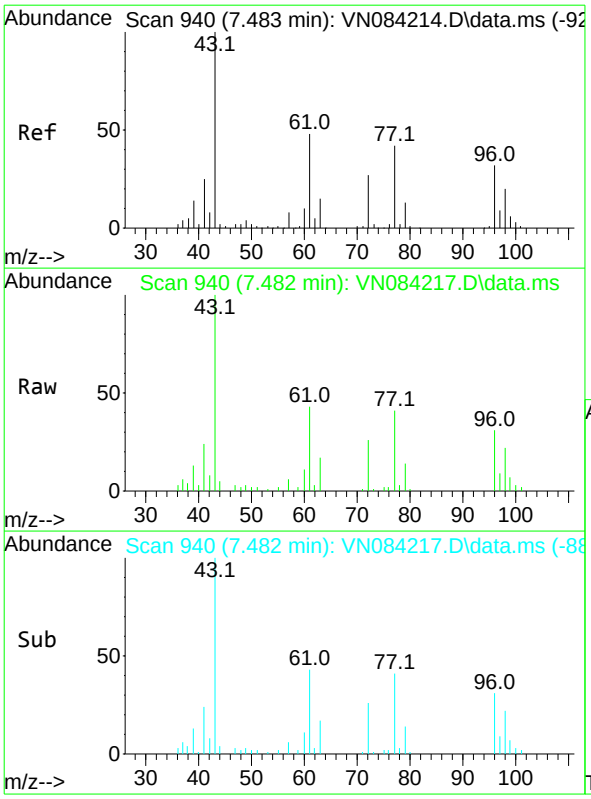


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

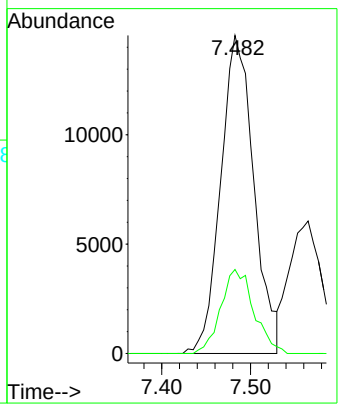




#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 37739

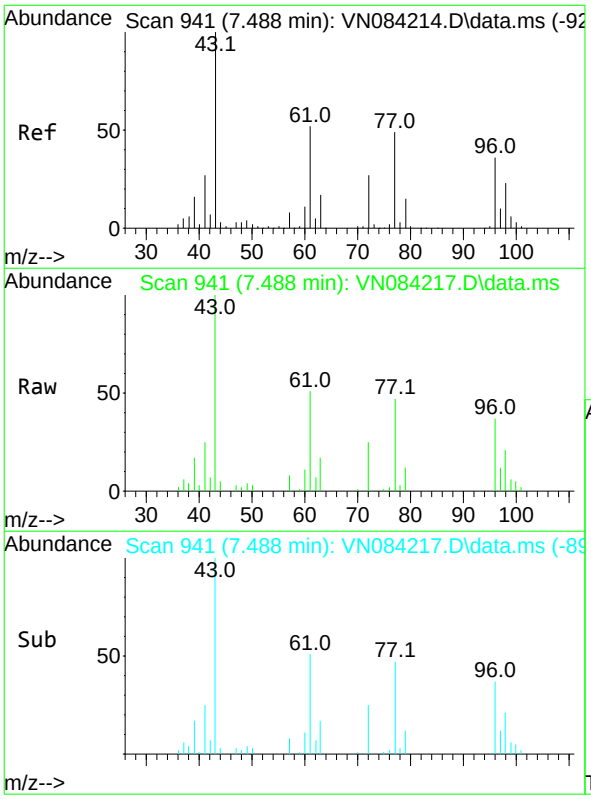
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

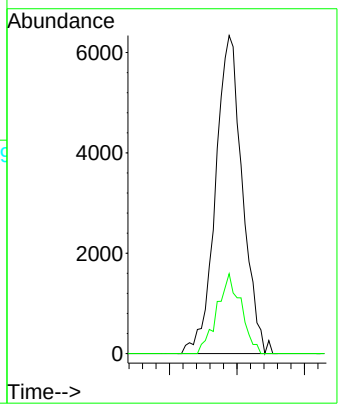
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

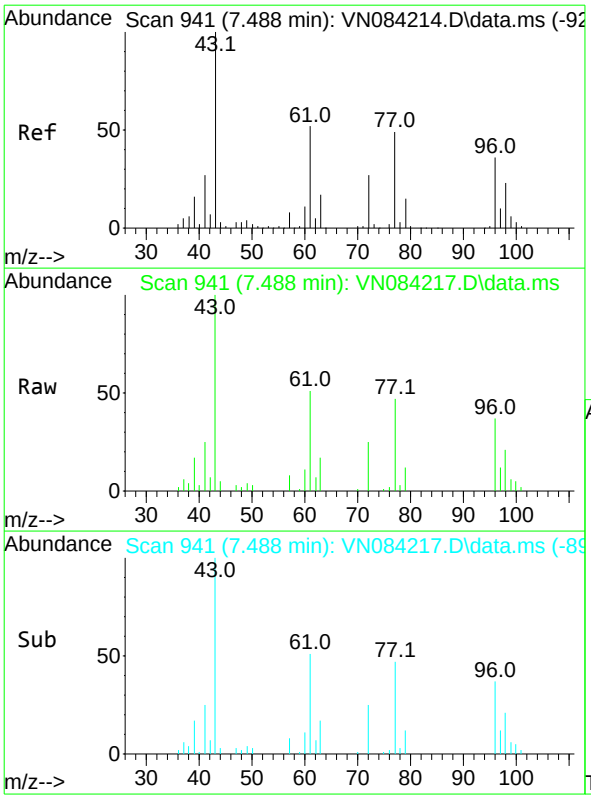


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

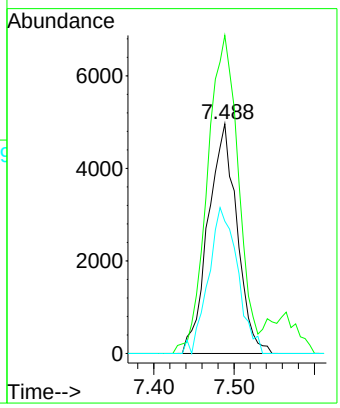




#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 12388

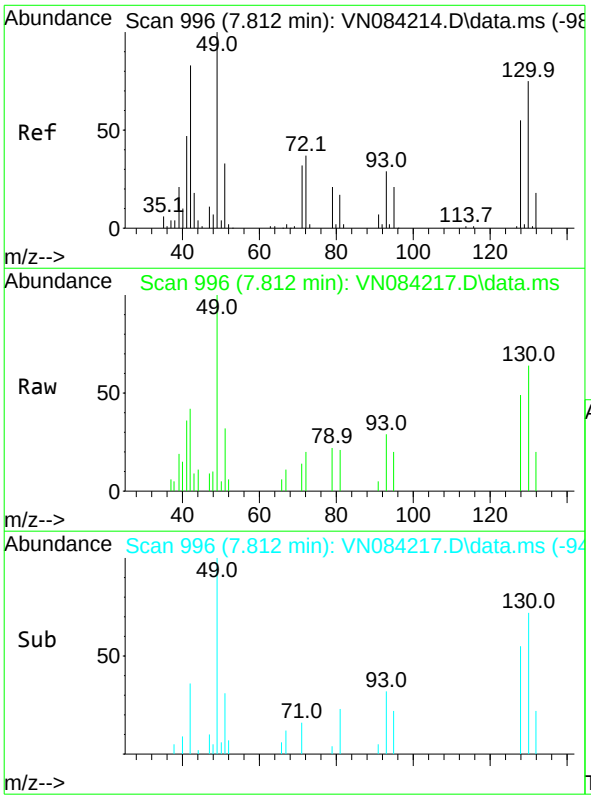
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

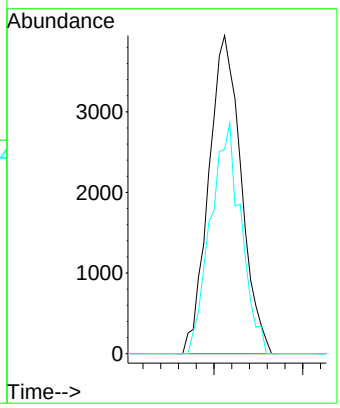
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

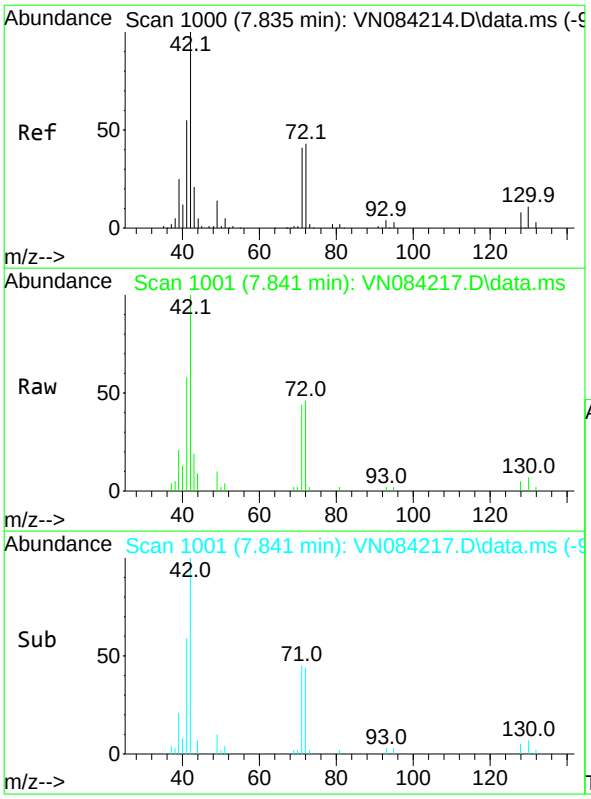


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

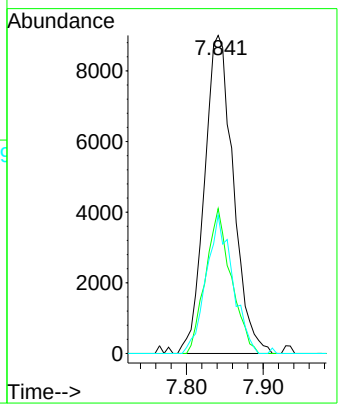




#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 42 Resp: 23456

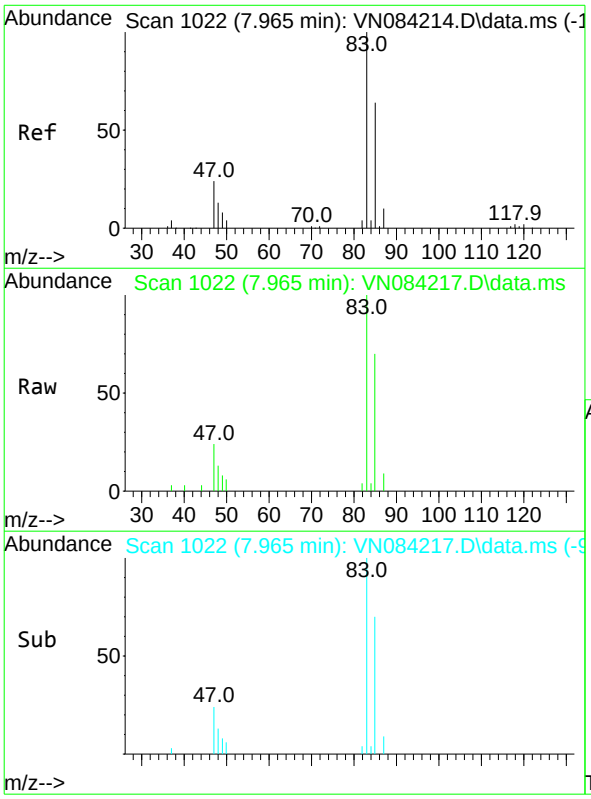
Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.6	51.8
71	40.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

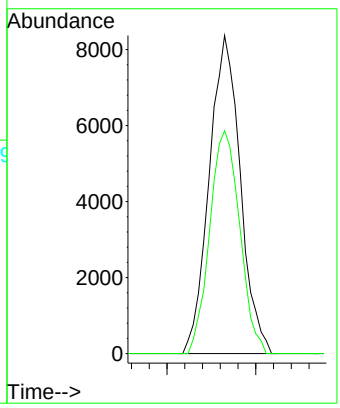
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

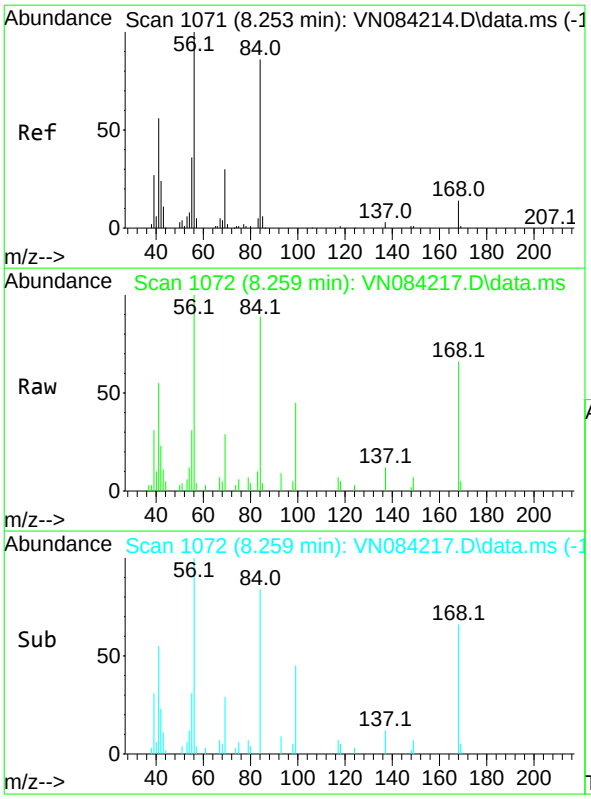


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4

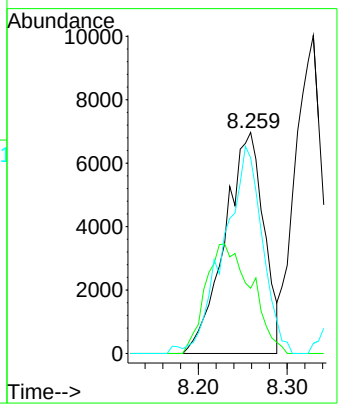




#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 21337

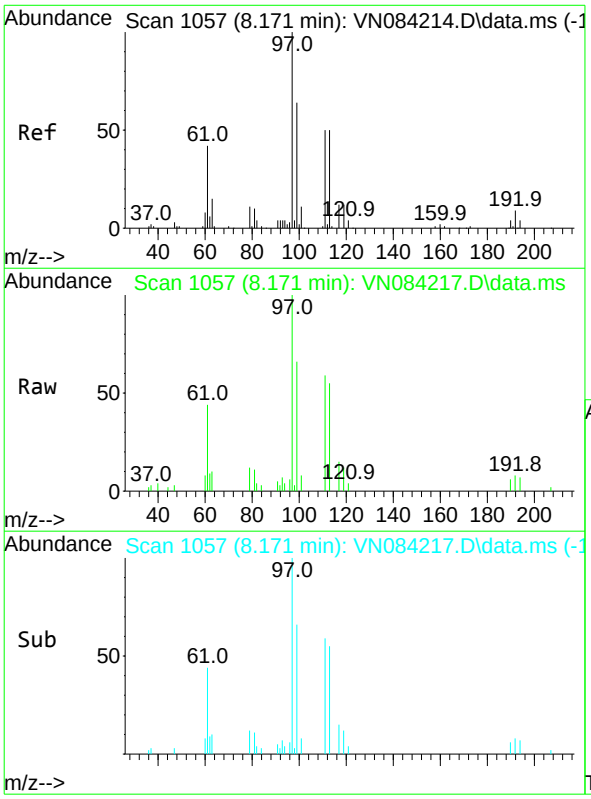
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	85.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

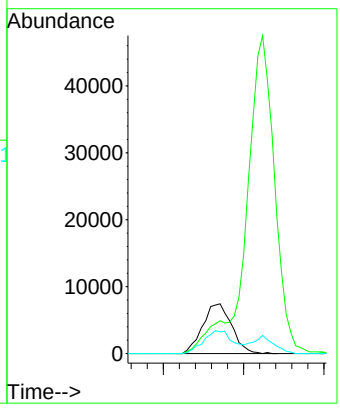
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

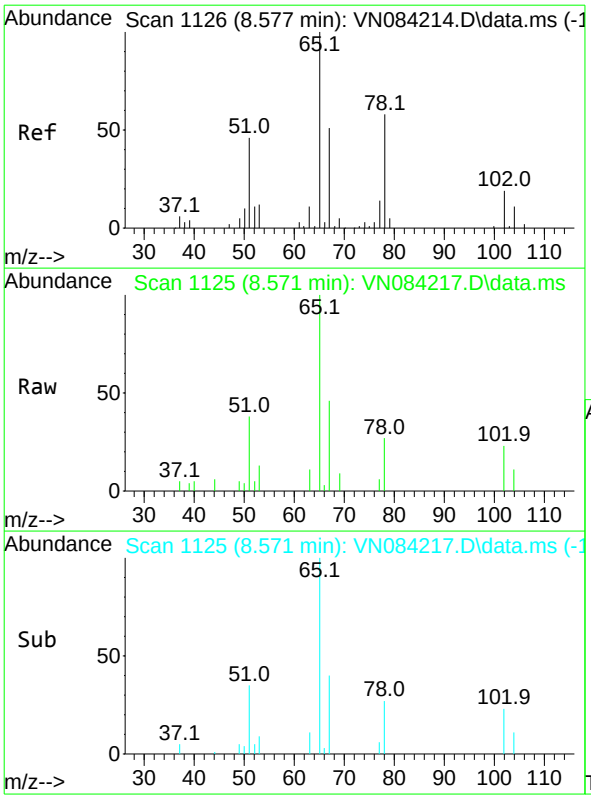


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

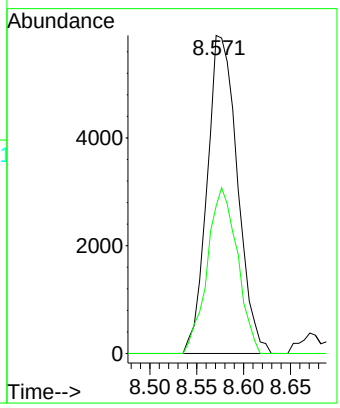




#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 65 Resp: 13262

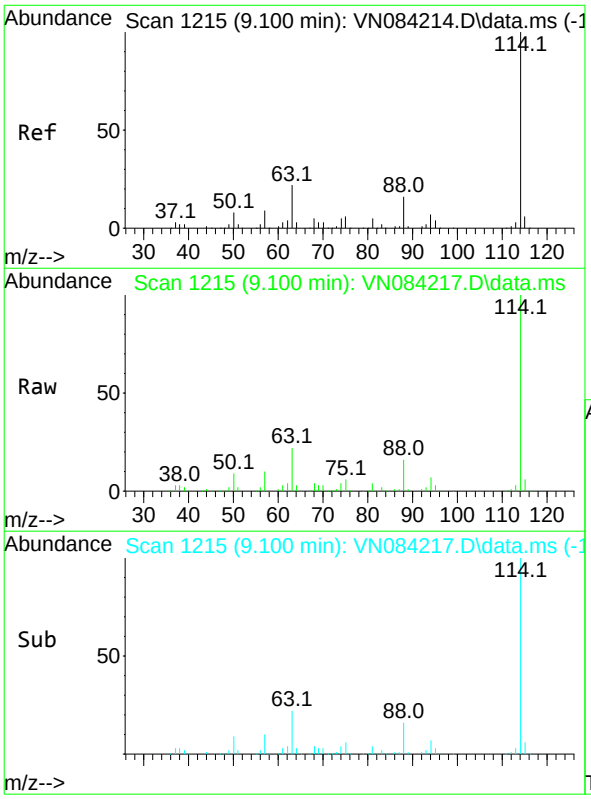
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

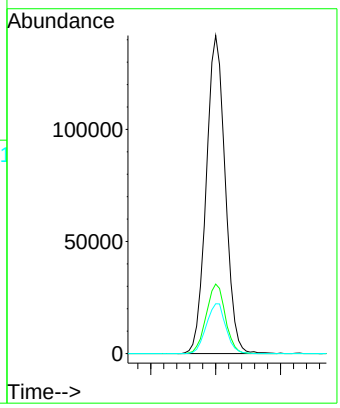
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

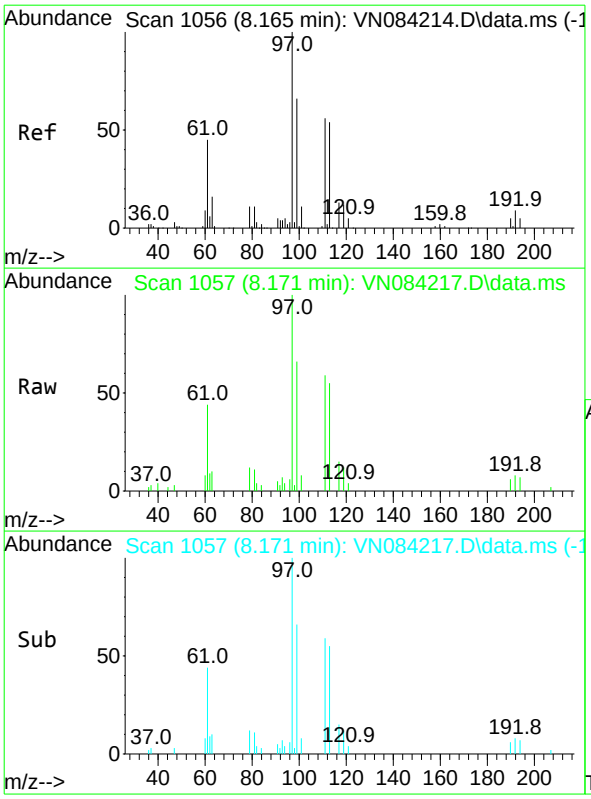


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

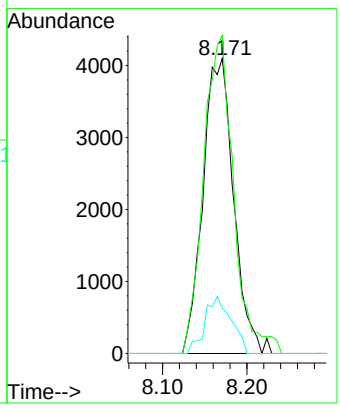




#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:113 Resp: 10333

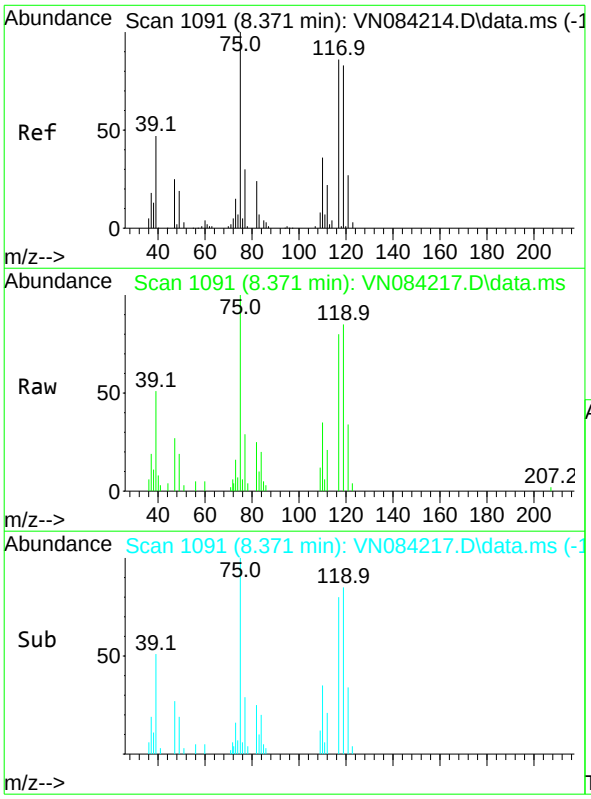
Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.3	124.9
192	16.6	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

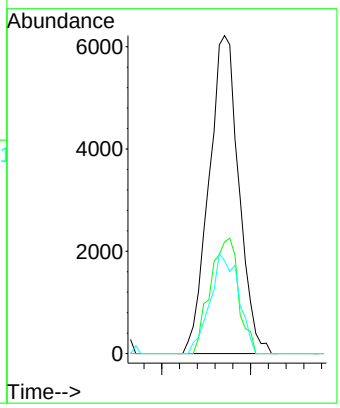
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

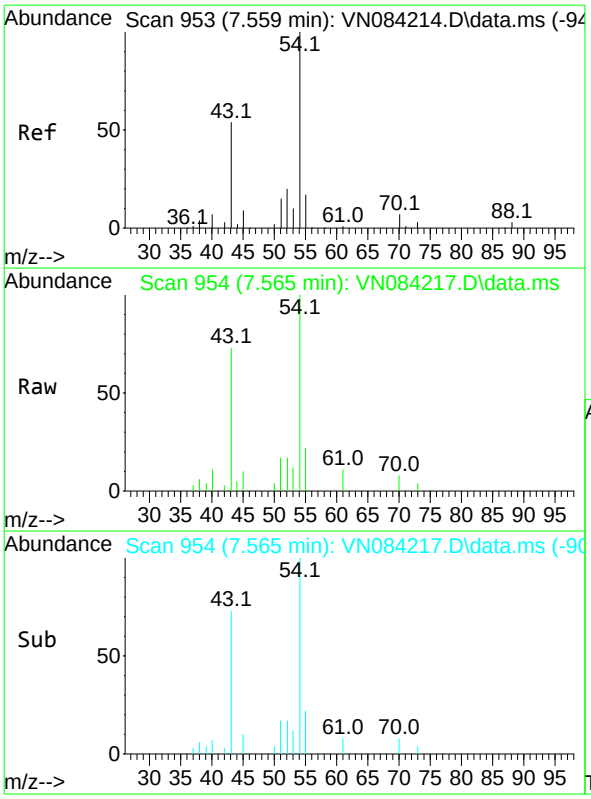


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

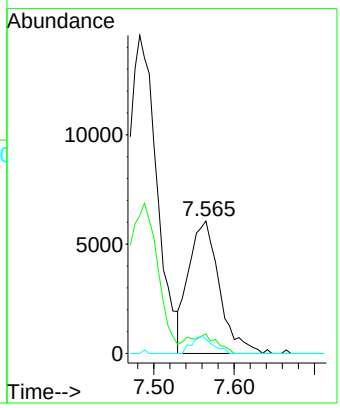




#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 16138

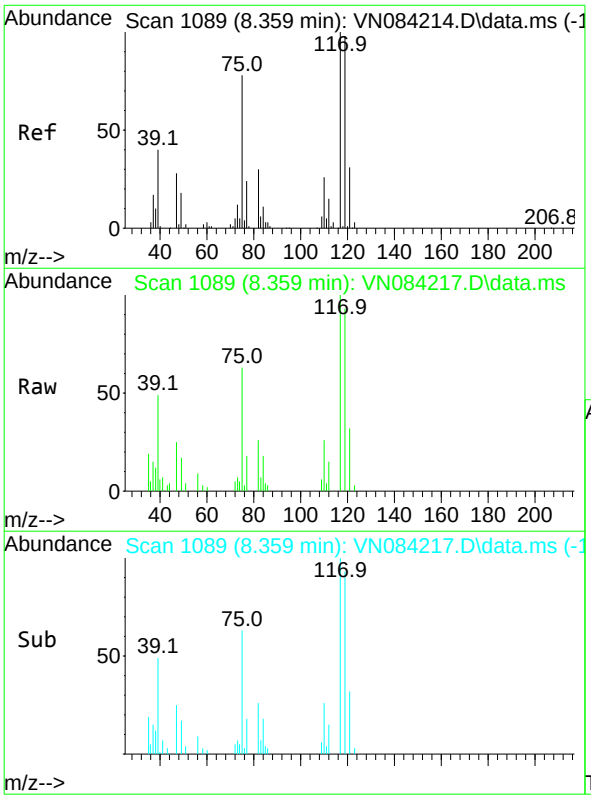
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

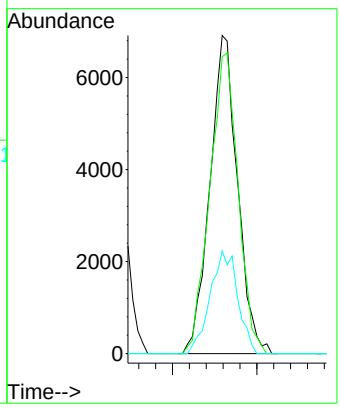
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

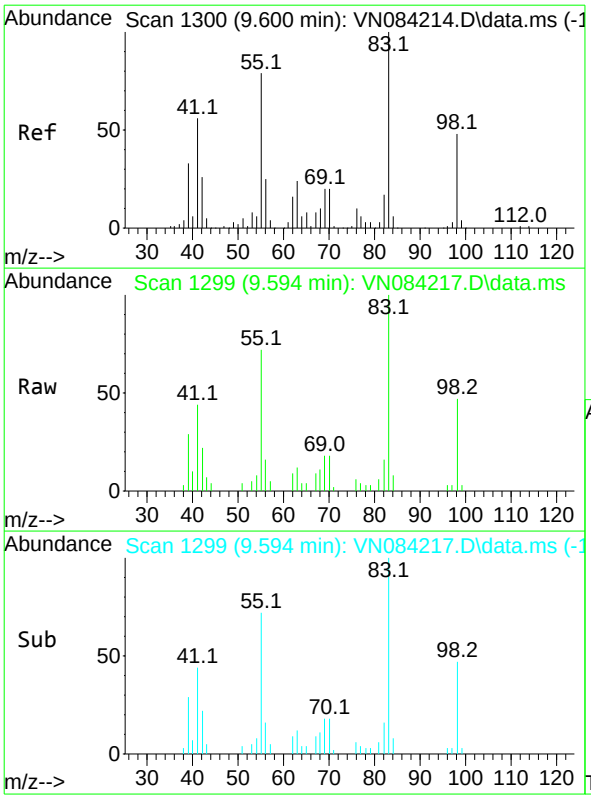


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

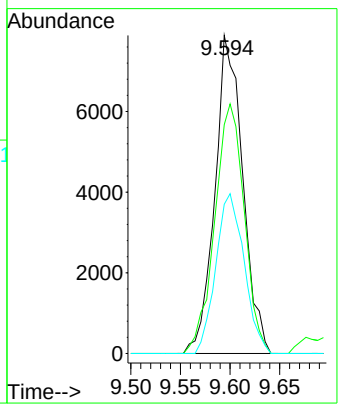




#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 15377

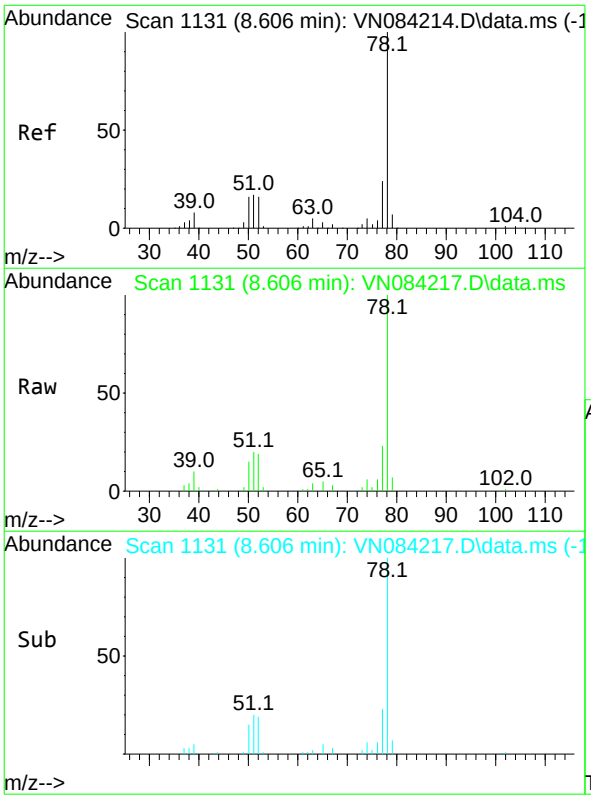
Ion	Ratio	Lower	Upper
83	100		
55	71.9	62.8	94.2
98	46.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

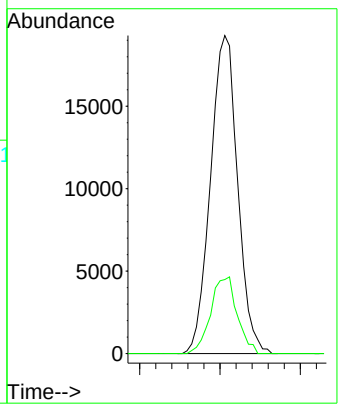
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

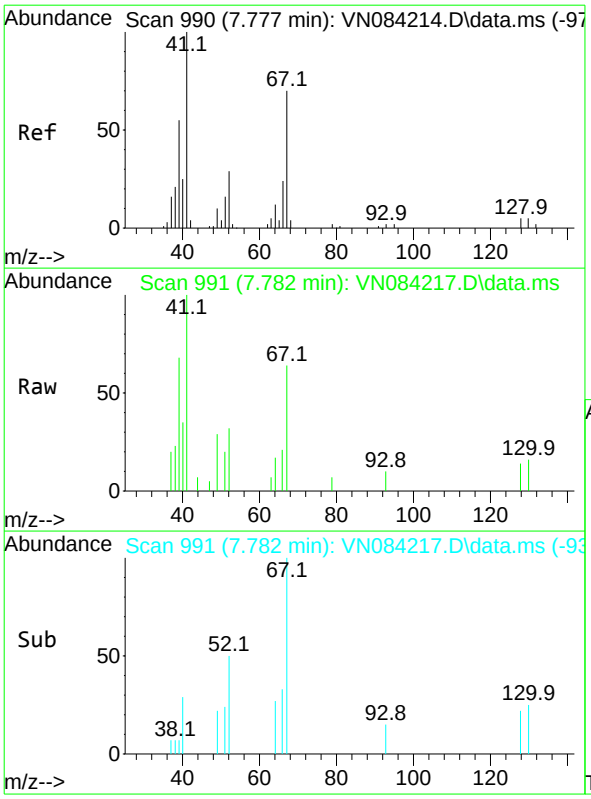


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

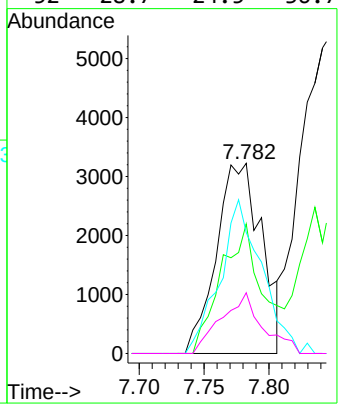




#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 7878

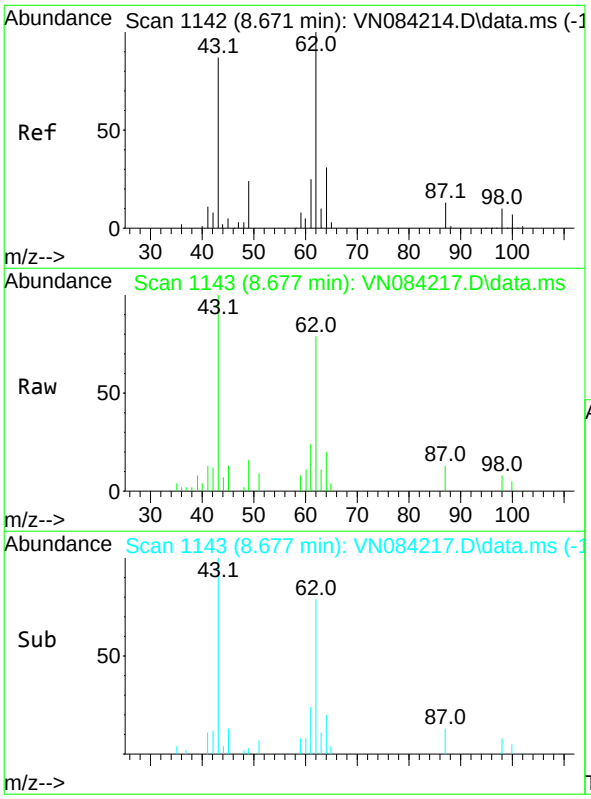
Ion	Ratio	Lower	Upper
41	100		
39	63.1	43.3	64.9
67	74.5	56.1	84.1
52	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

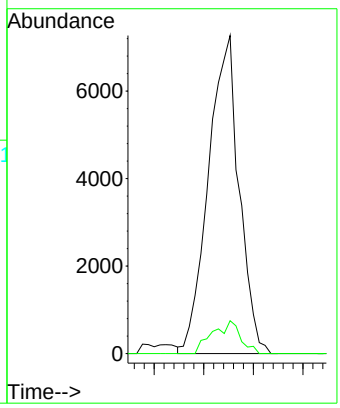
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

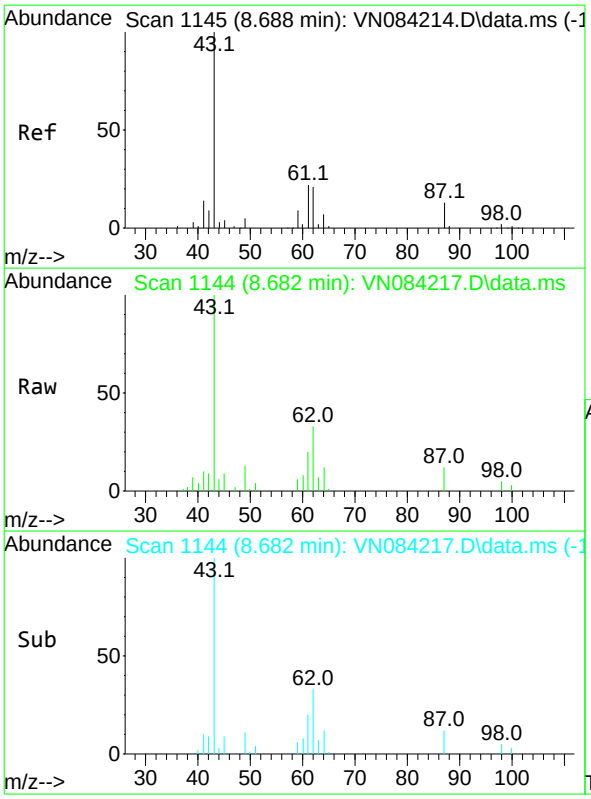


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

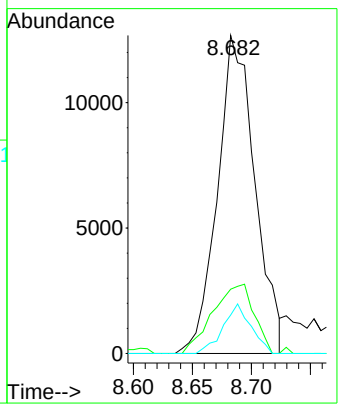




#43
Isopropyl Acetate
Concen: 5.059 ug/l m
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 28029

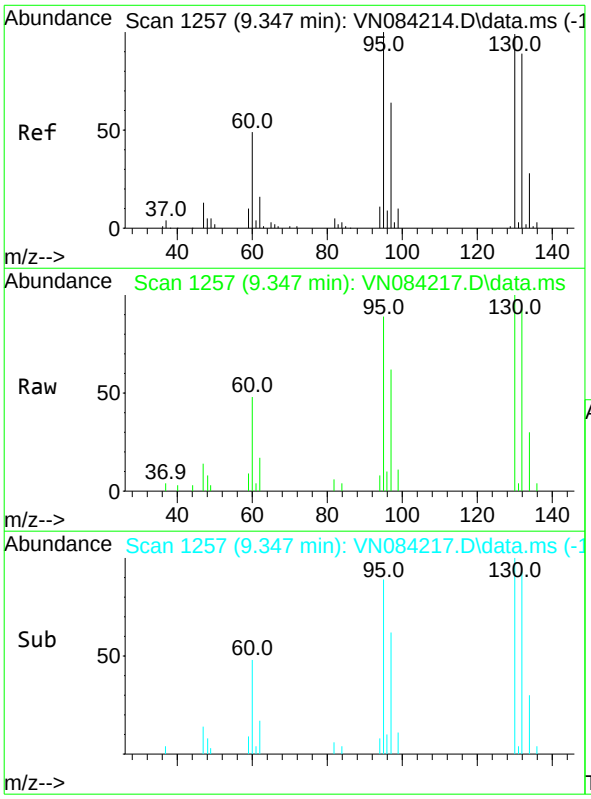
Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.4	30.6
87	11.7	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

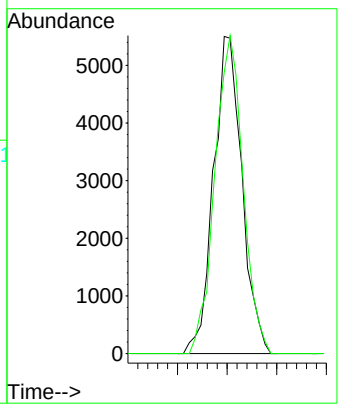
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

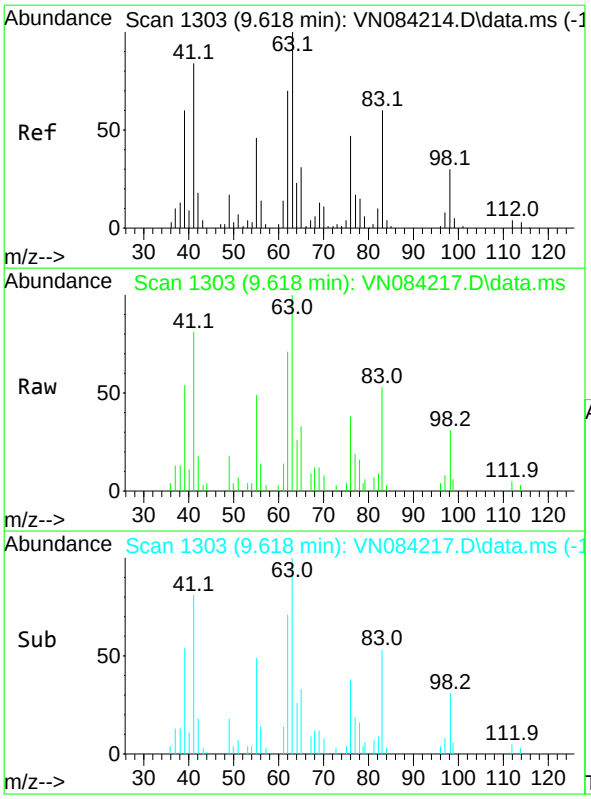


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0

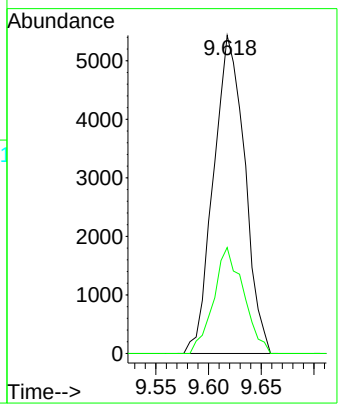




#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 11181

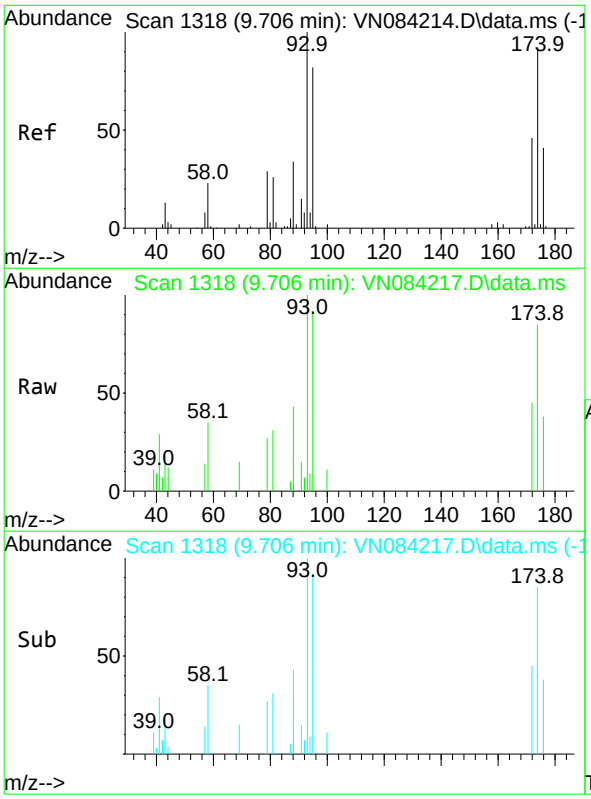
Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

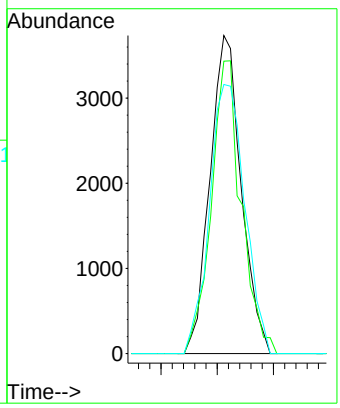
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

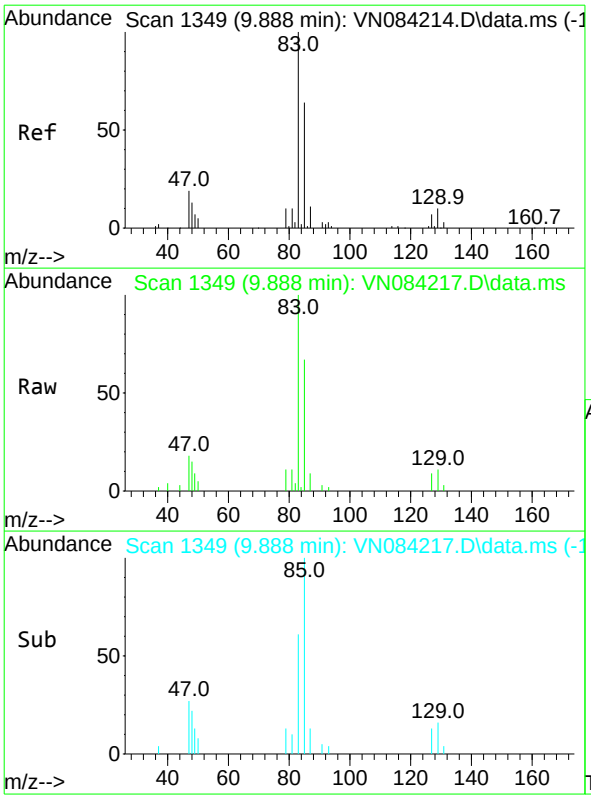


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

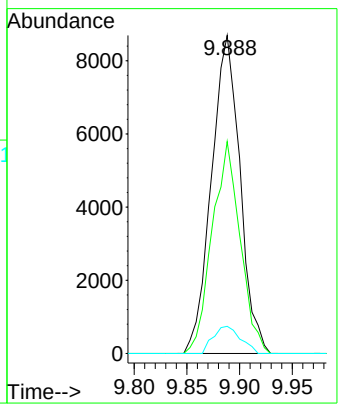




#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 16407

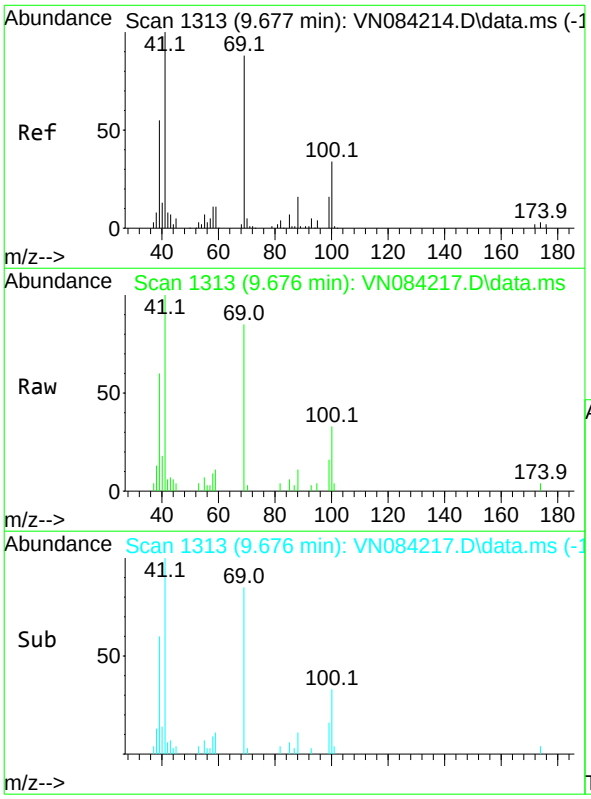
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

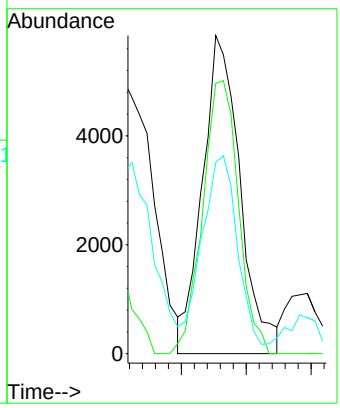
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

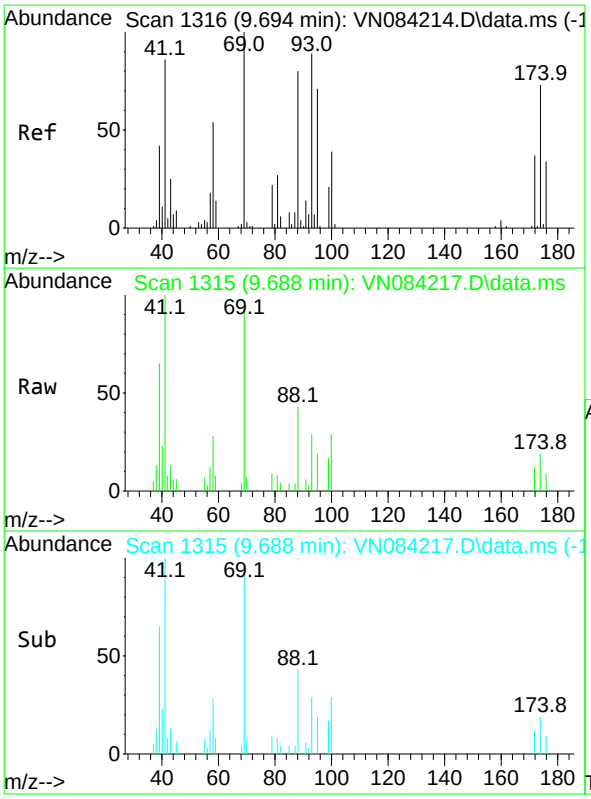


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

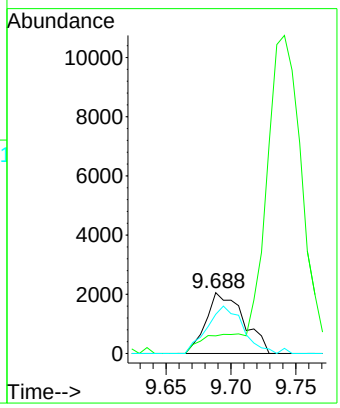




#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 88 Resp: 4121

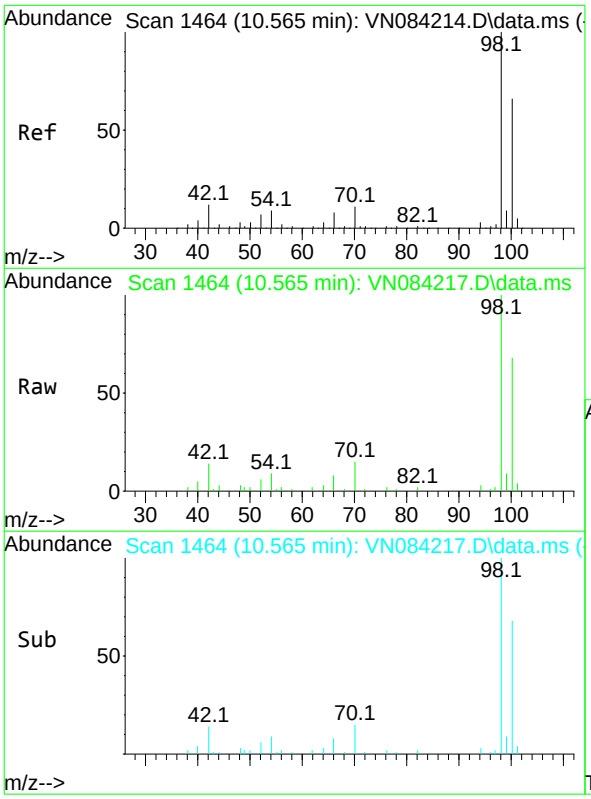
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

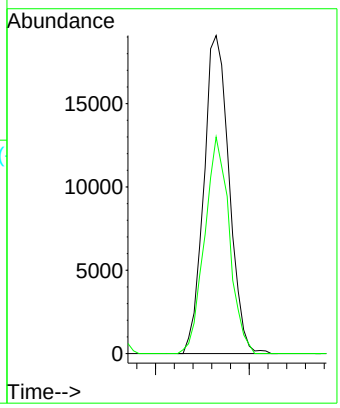
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

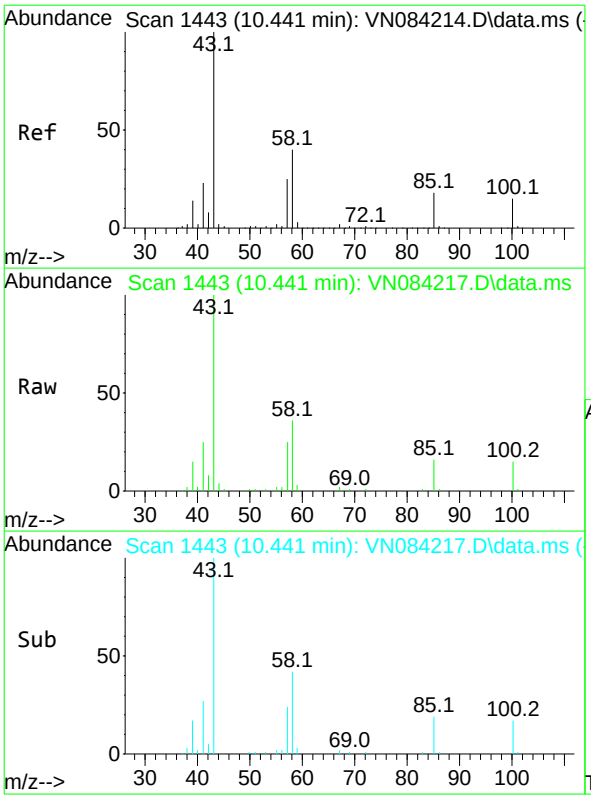


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1

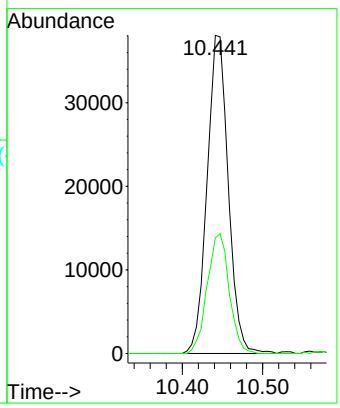




#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 69730

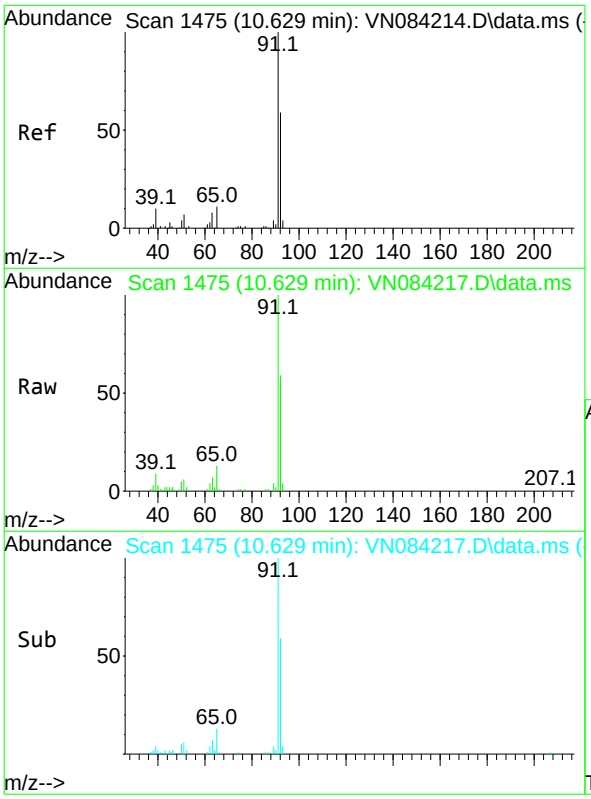
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

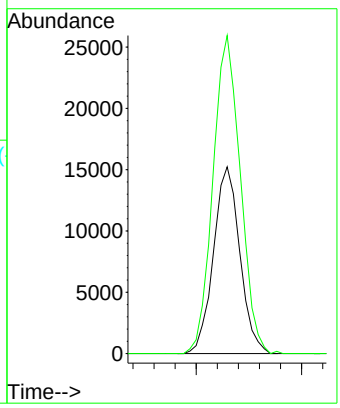
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

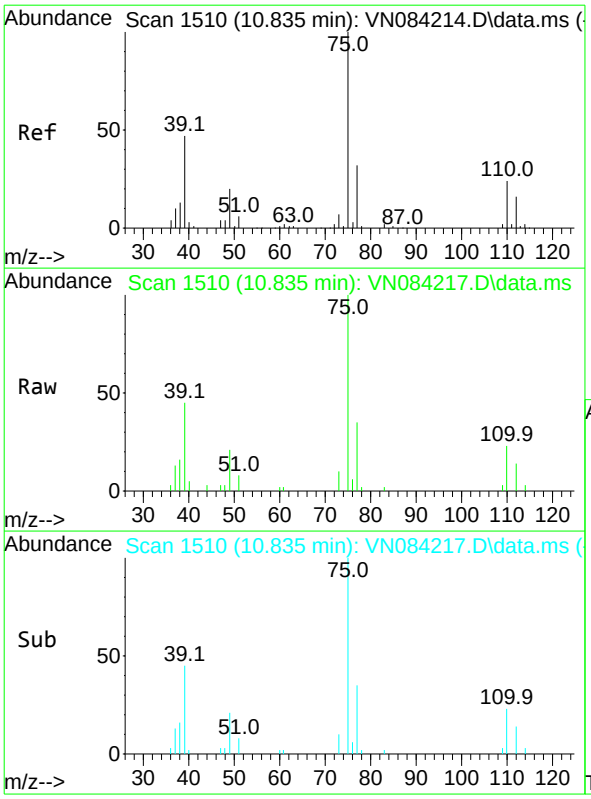


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9

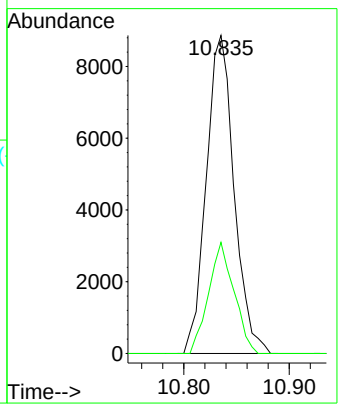




#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 16242

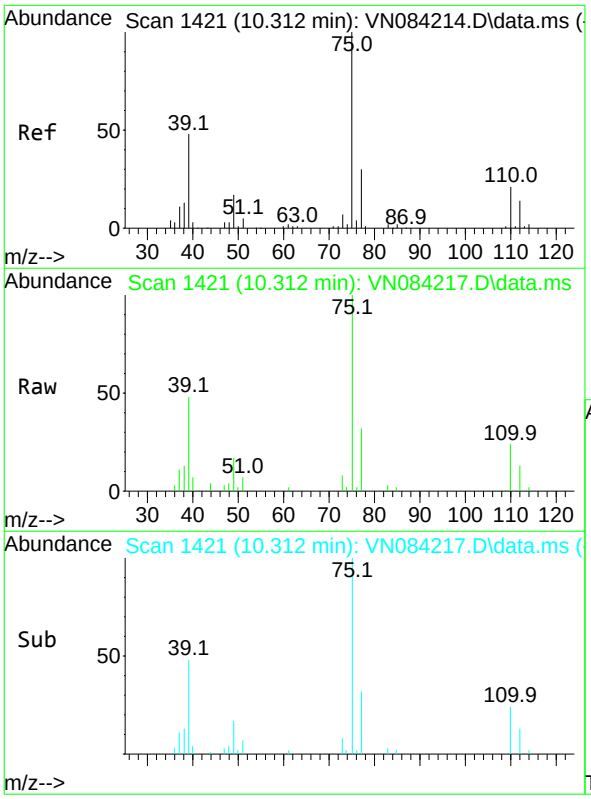
Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

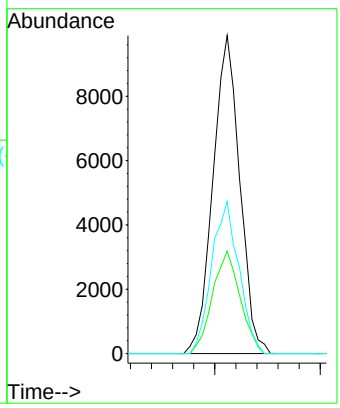
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

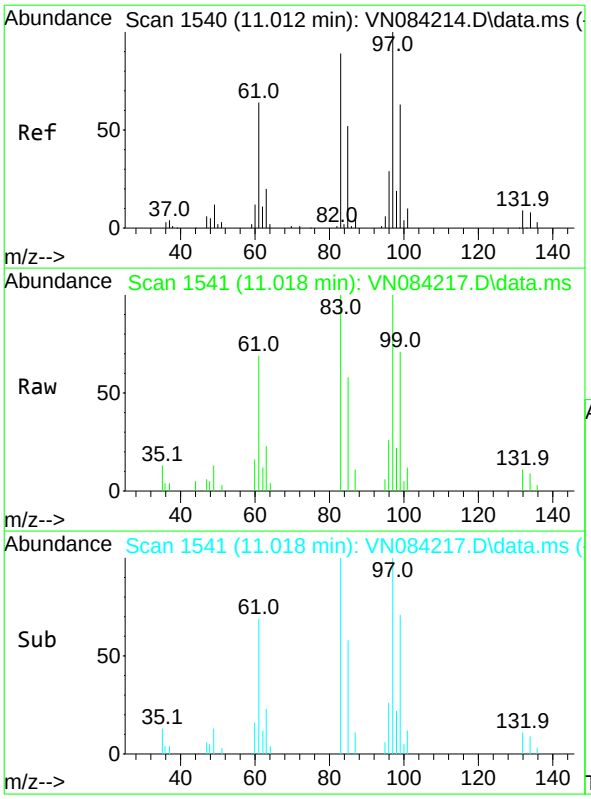


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

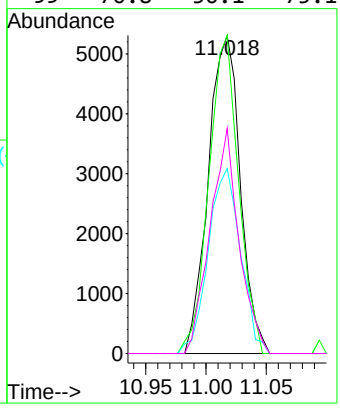




#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 97 Resp: 9805

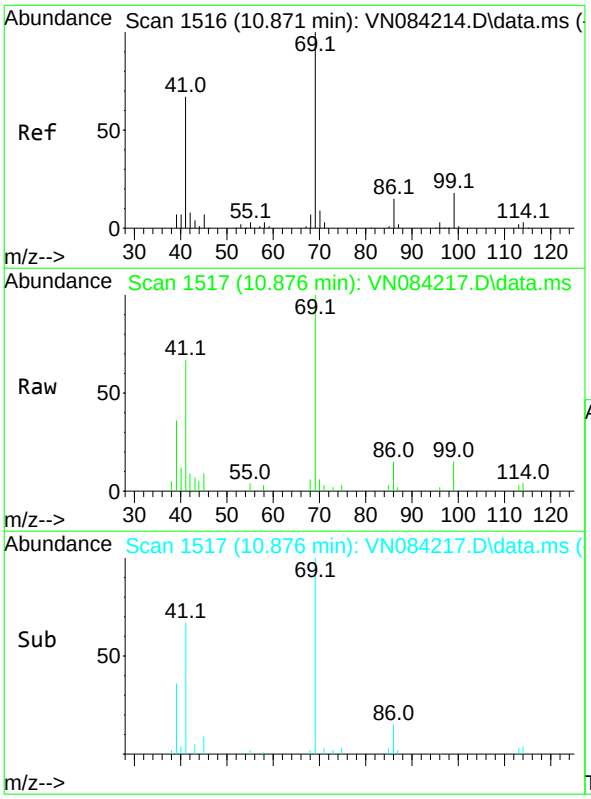
Ion	Ratio	Lower	Upper
97	100		
83	100.1	71.0	106.4
85	58.2	41.7	62.5
99	70.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

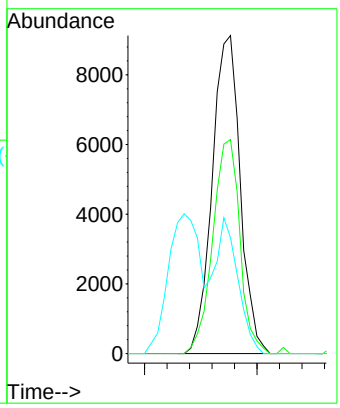
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

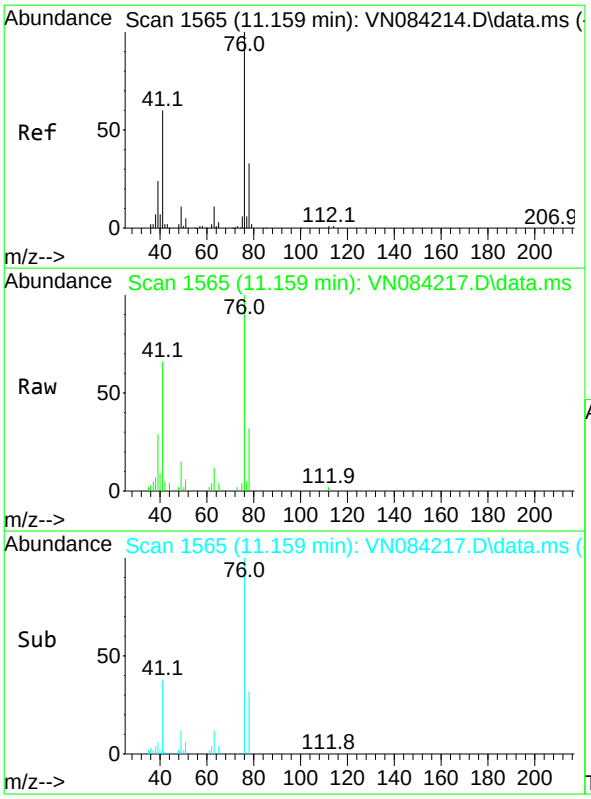


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

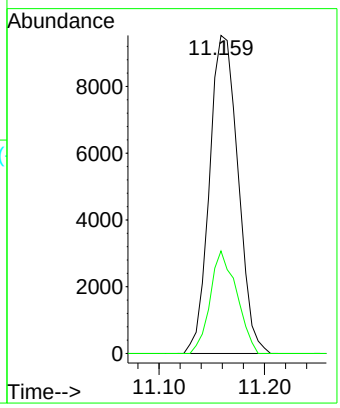




#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 17954

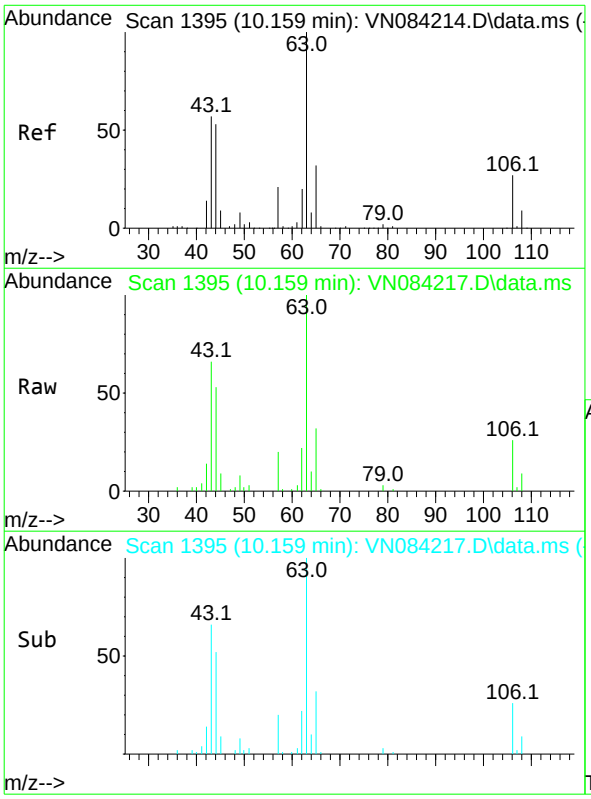
Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

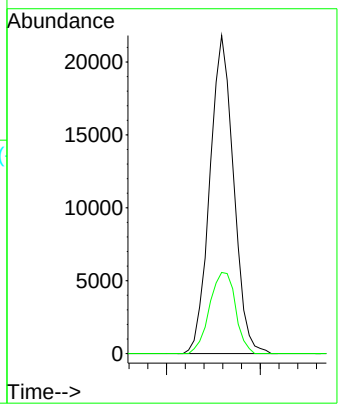
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

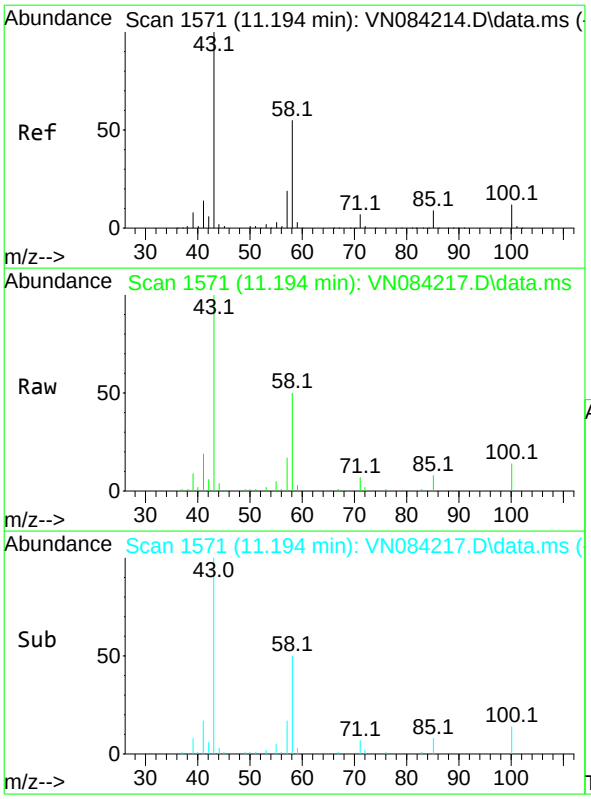


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6

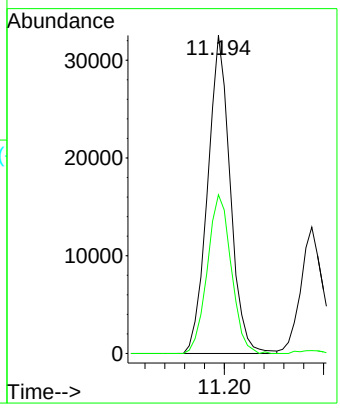




#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 51488

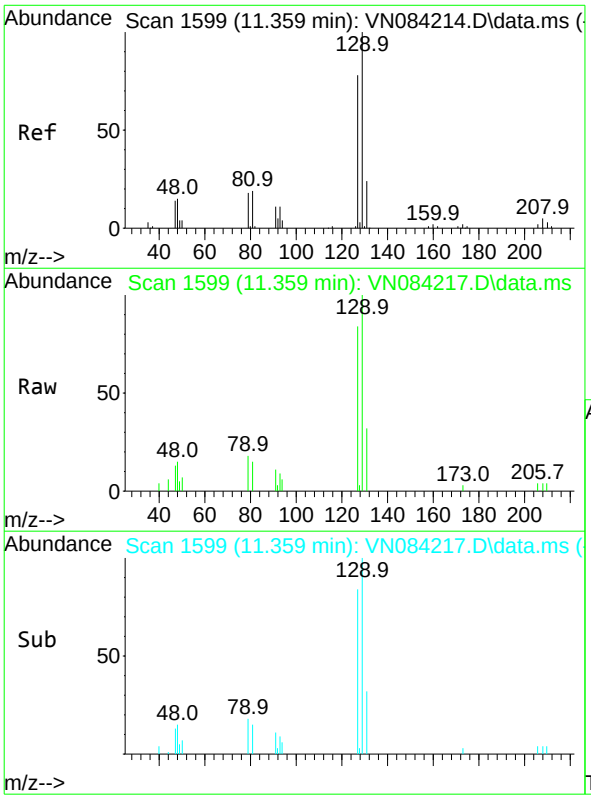
Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

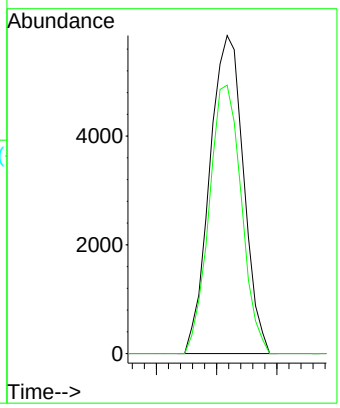
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

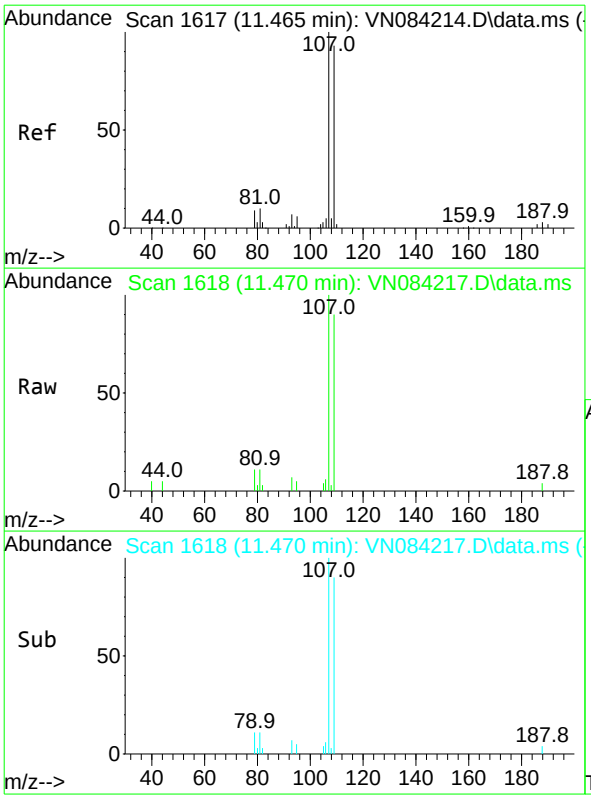


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9

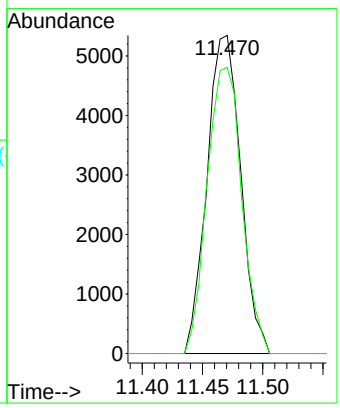




#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:107 Resp: 10394

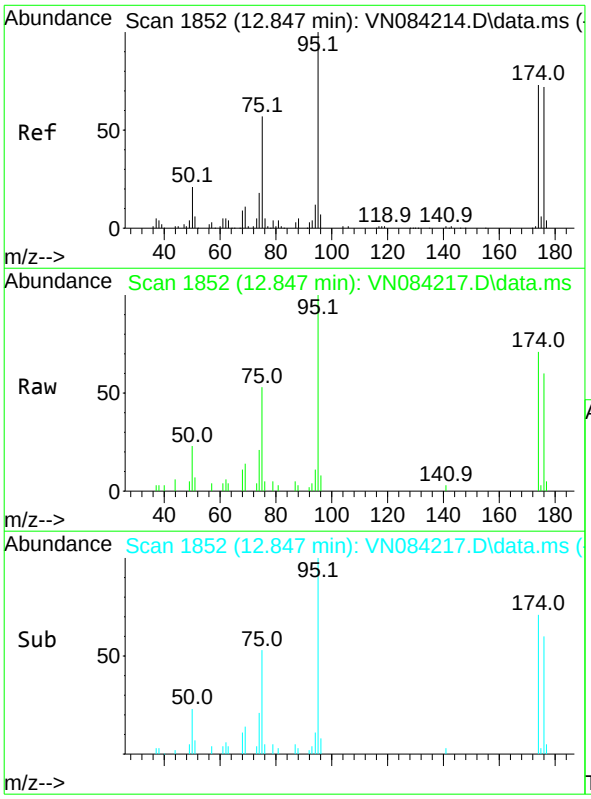
Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

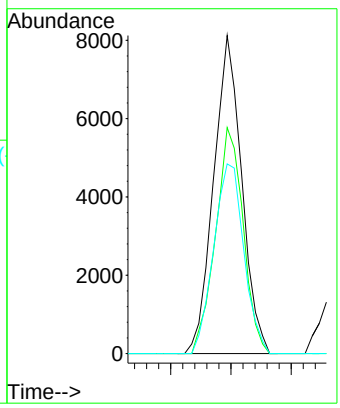
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

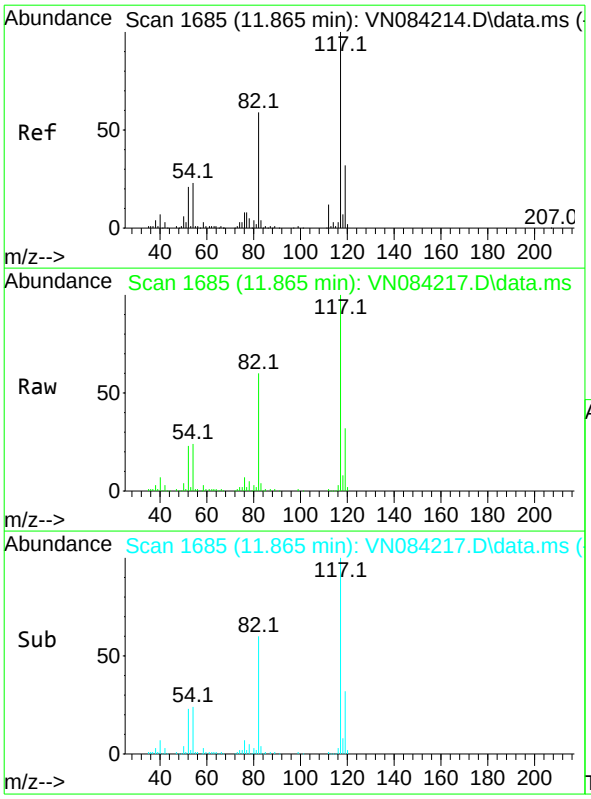


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

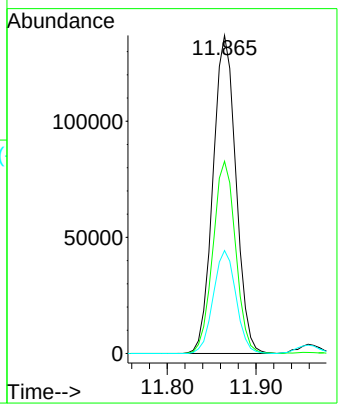




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 245710

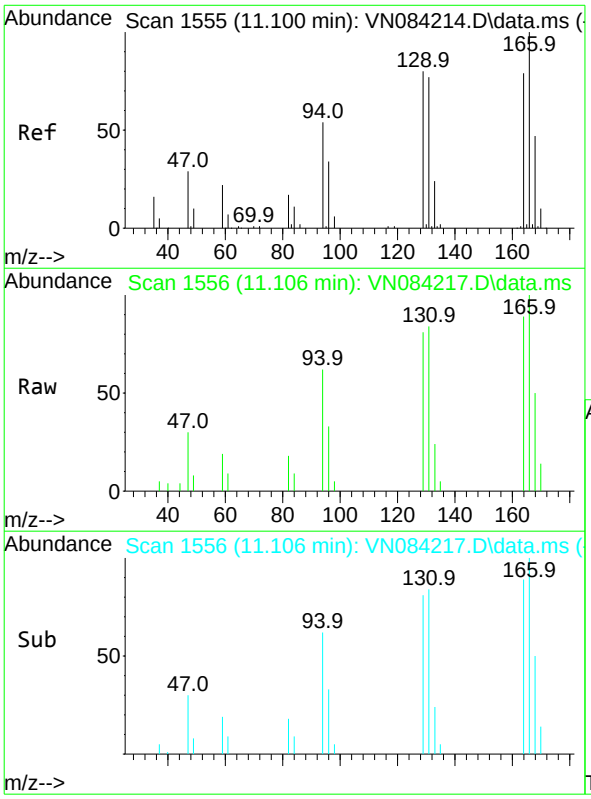
Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

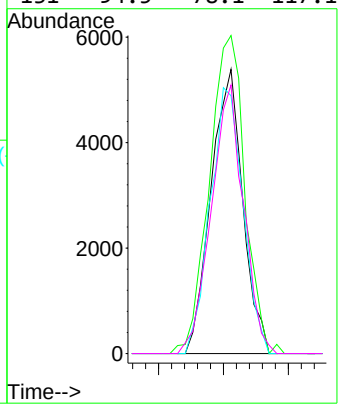
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

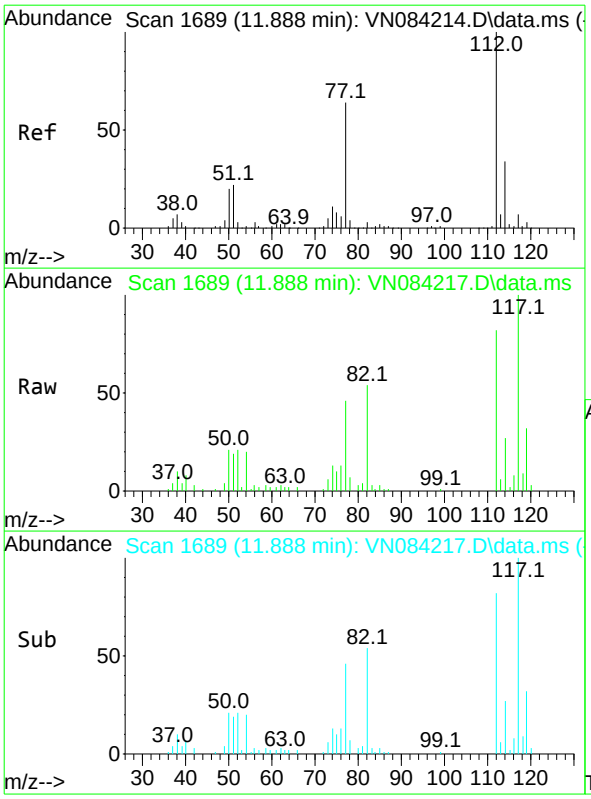


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

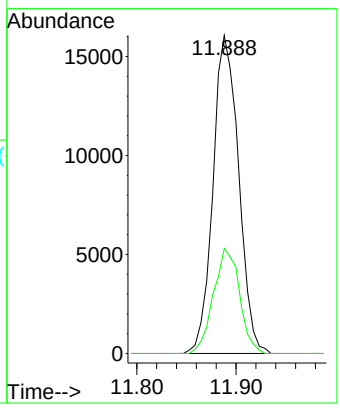




#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:112 Resp: 28818

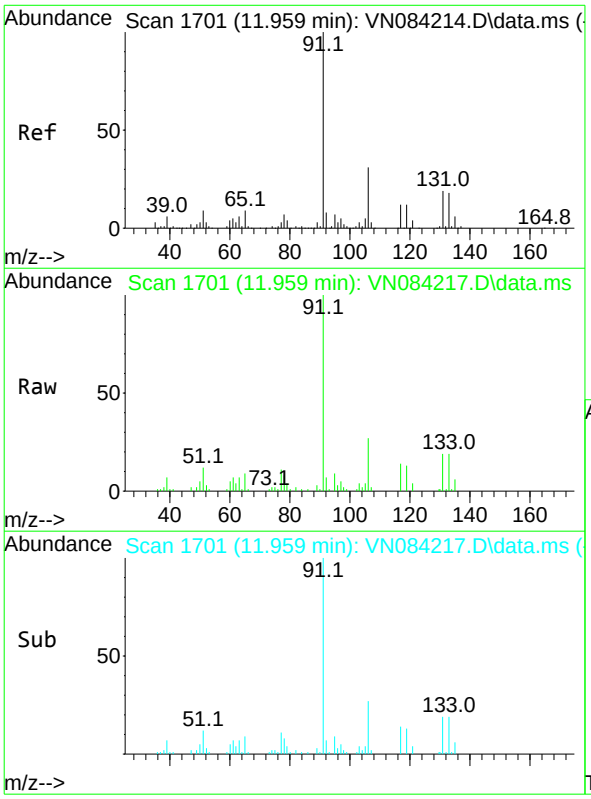
Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

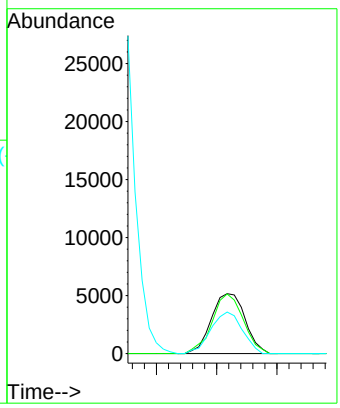
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

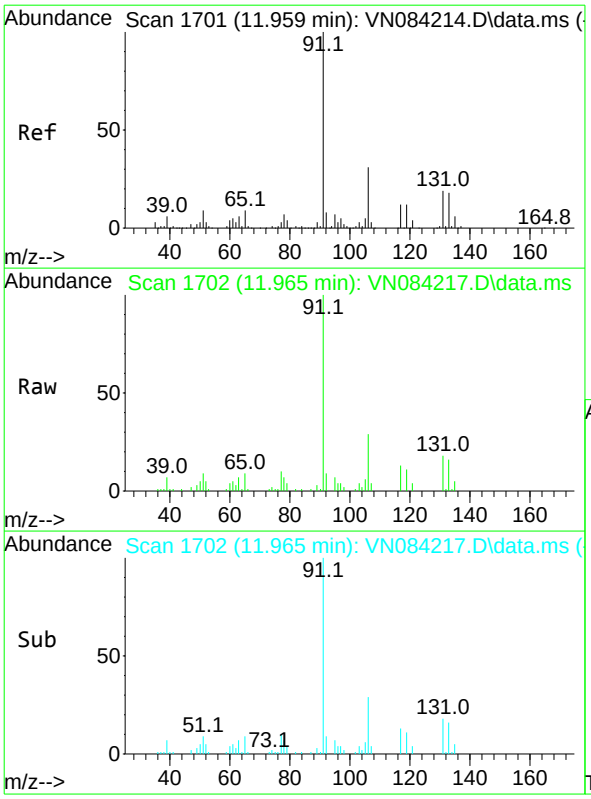


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

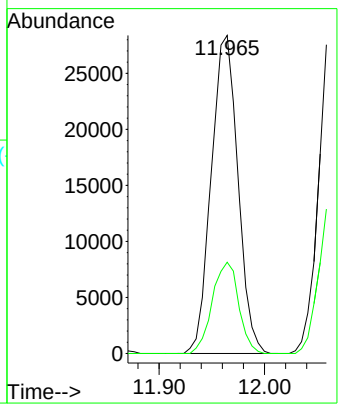




#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 49891

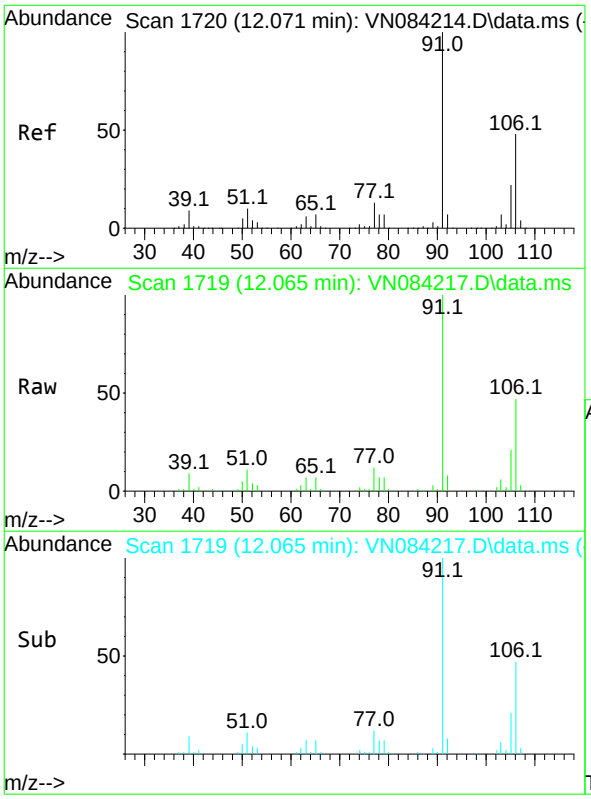
Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

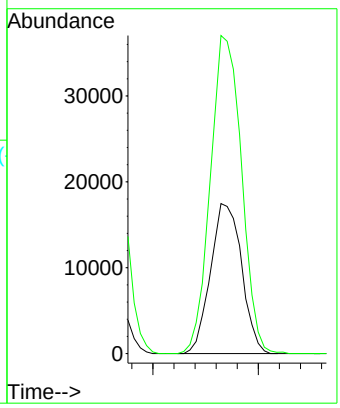
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

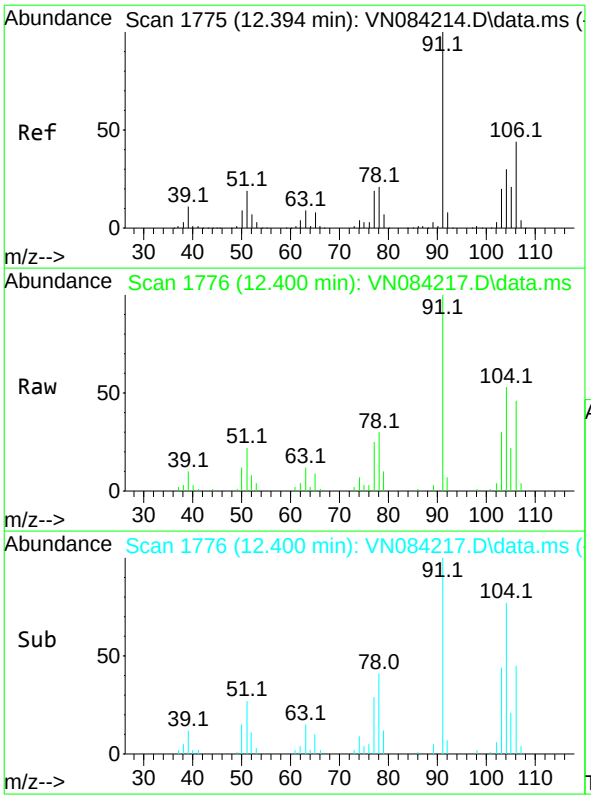


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7

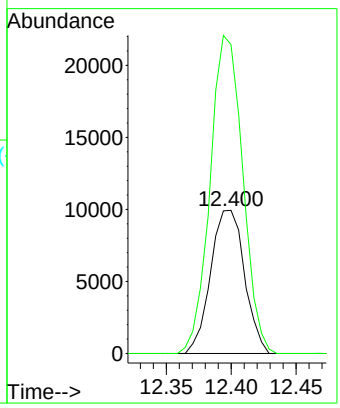




#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 18041

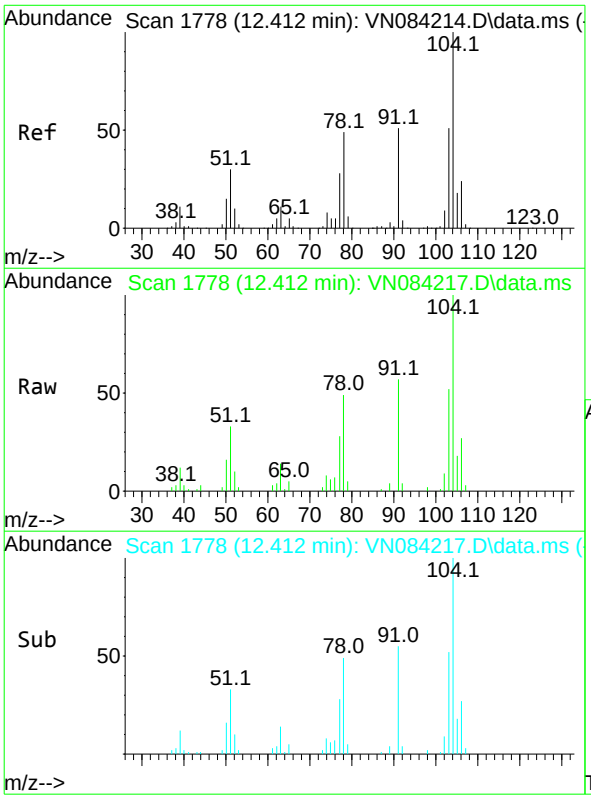
Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

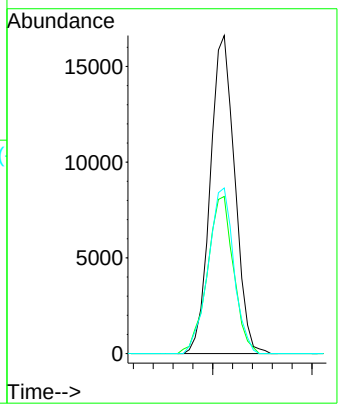
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

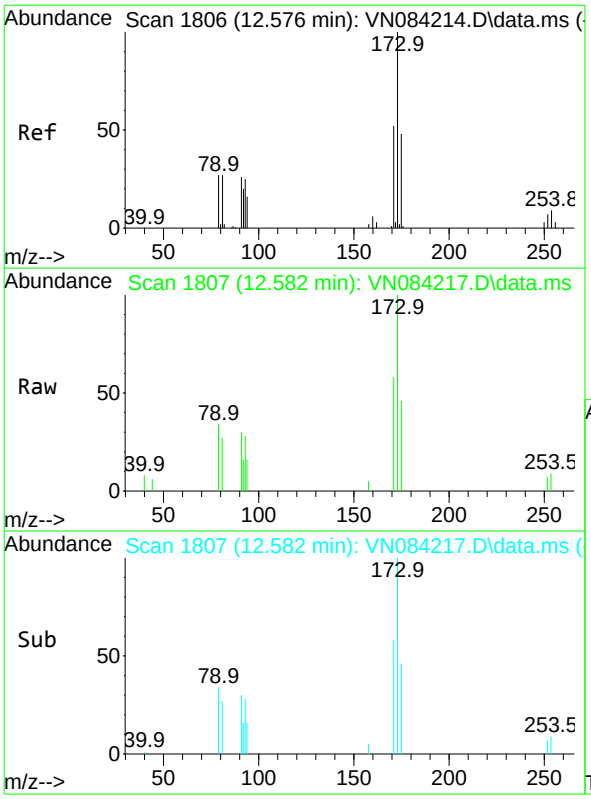


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

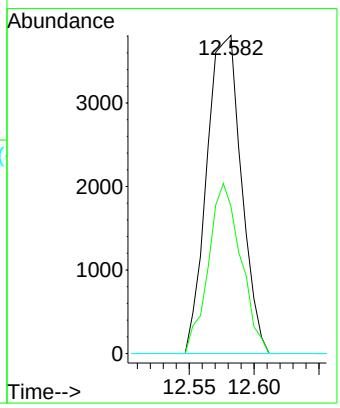




#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:173 Resp: 7067

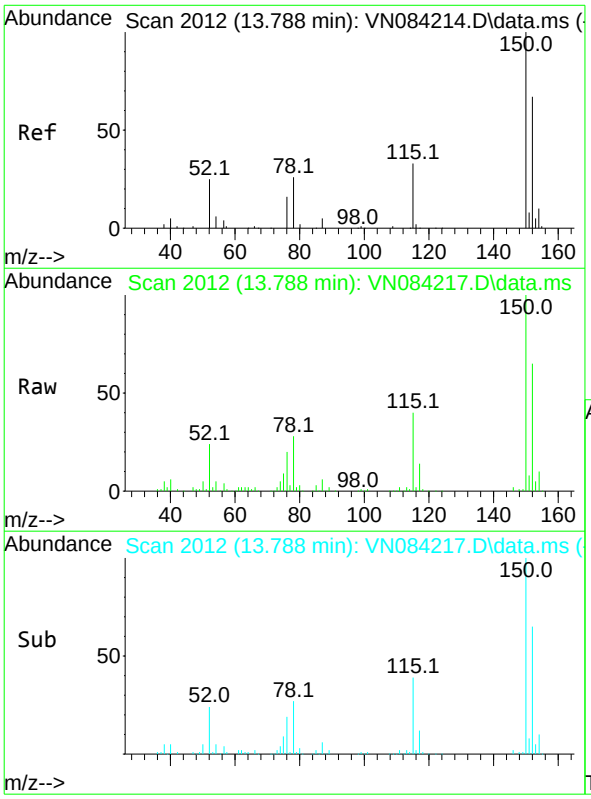
Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

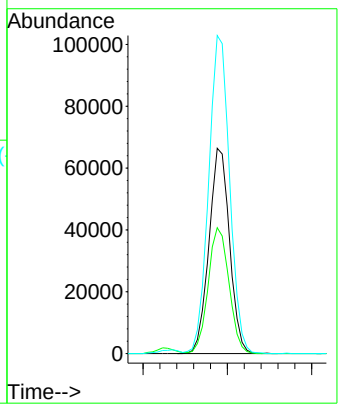
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

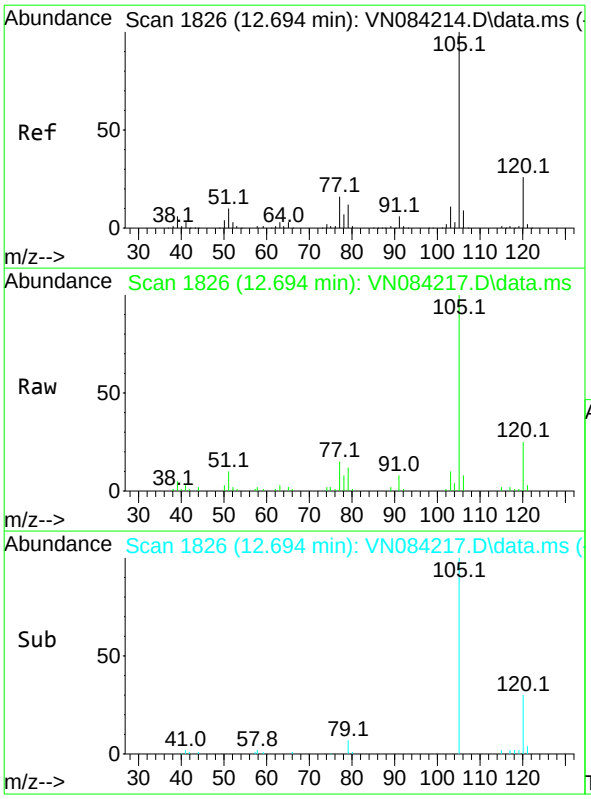


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

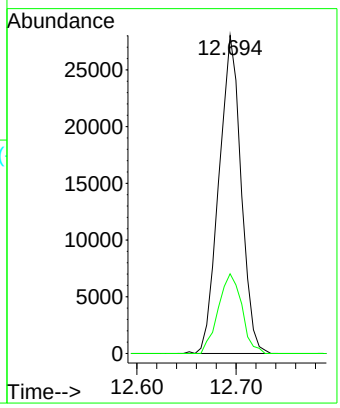




#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 43468

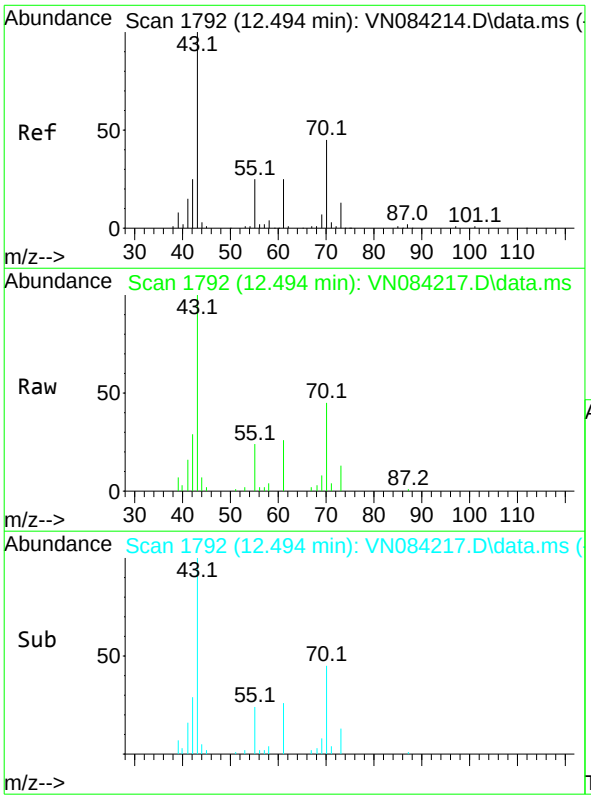
Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

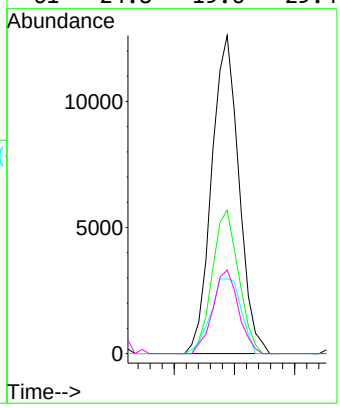
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

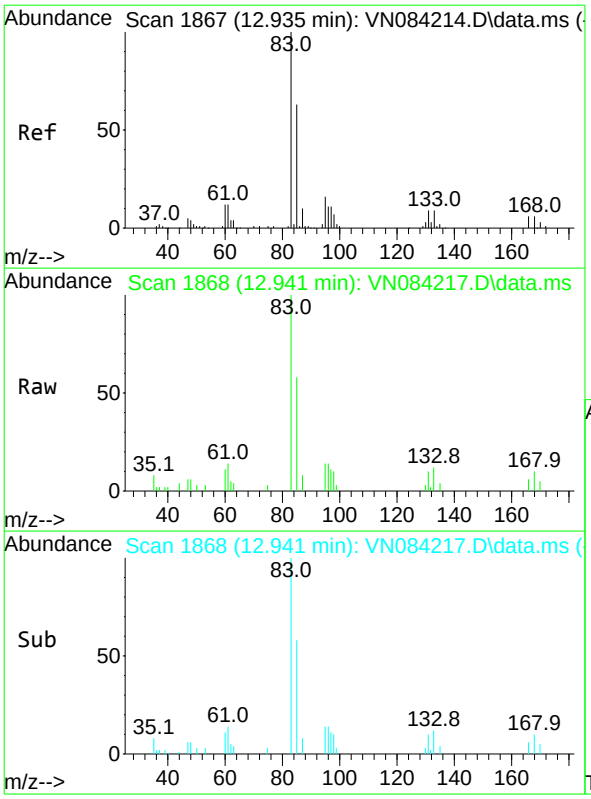


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

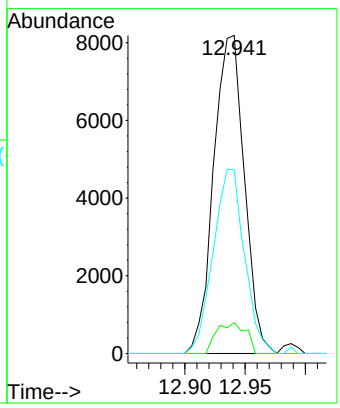




#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 14517

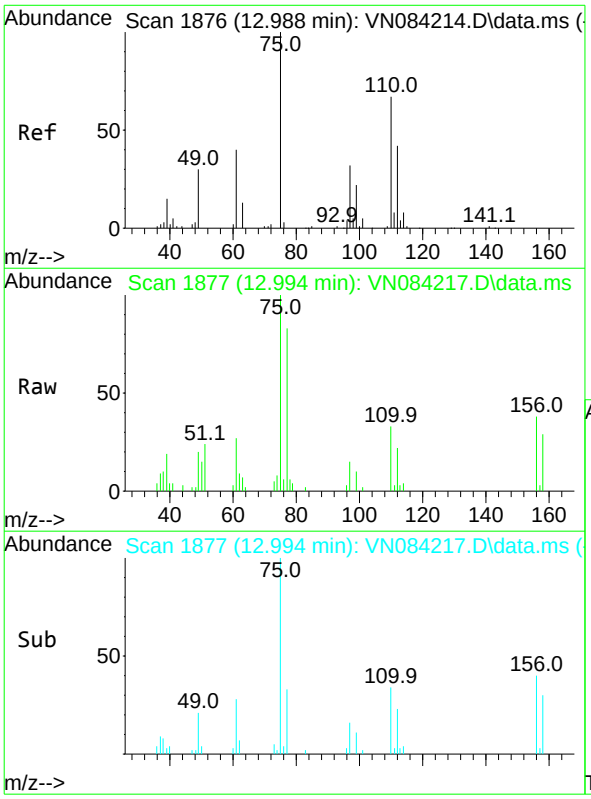
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	59.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

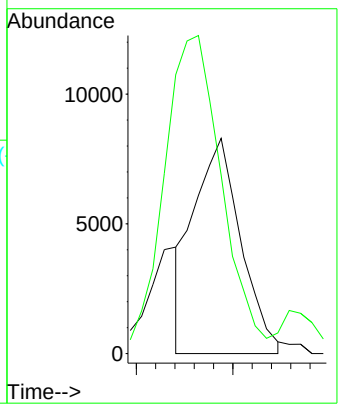
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

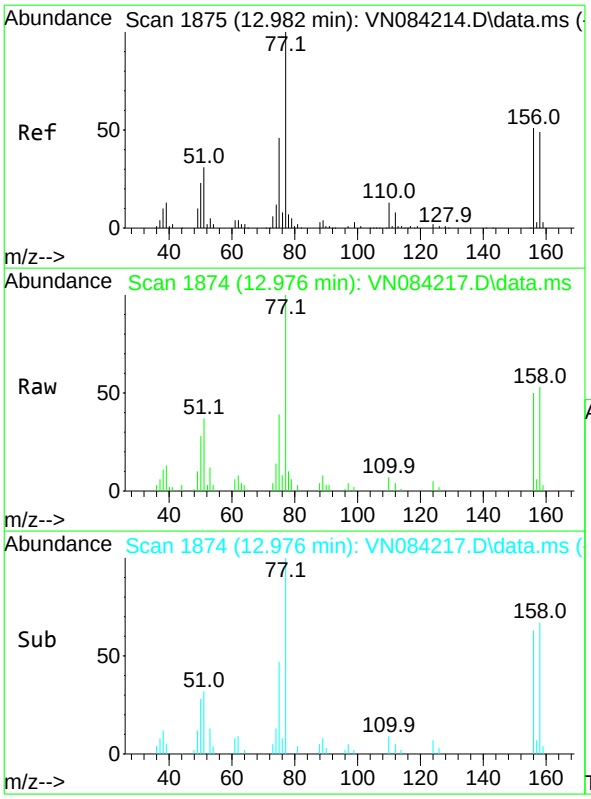


#76
1,2,3-Trichloropropane
Concen: 6.276 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 14072

Ion	Ratio	Lower	Upper
75	100		
77	180.3	96.9	290.7

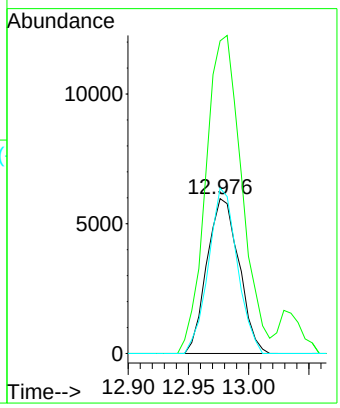




#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:156 Resp: 11049

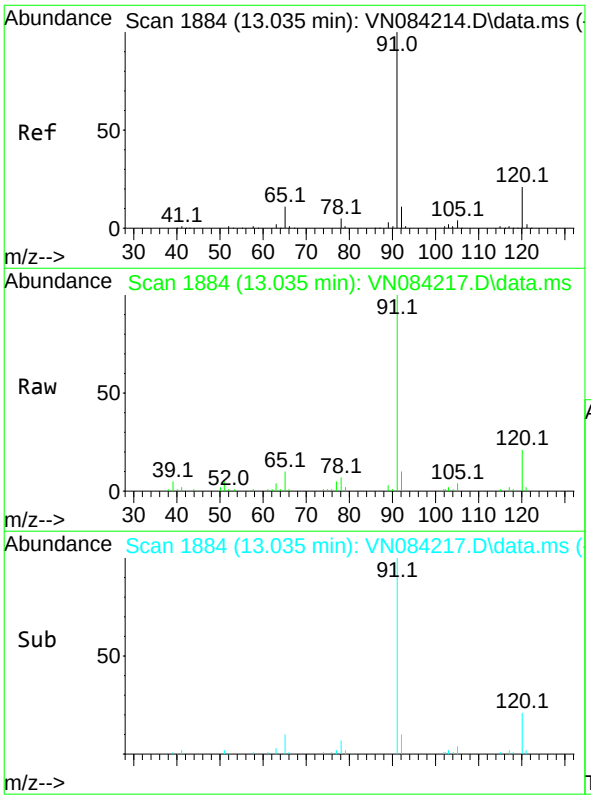
Ion	Ratio	Lower	Upper
156	100		
77	229.7	115.1	345.3
158	96.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

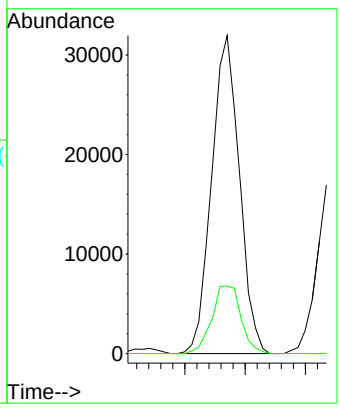
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

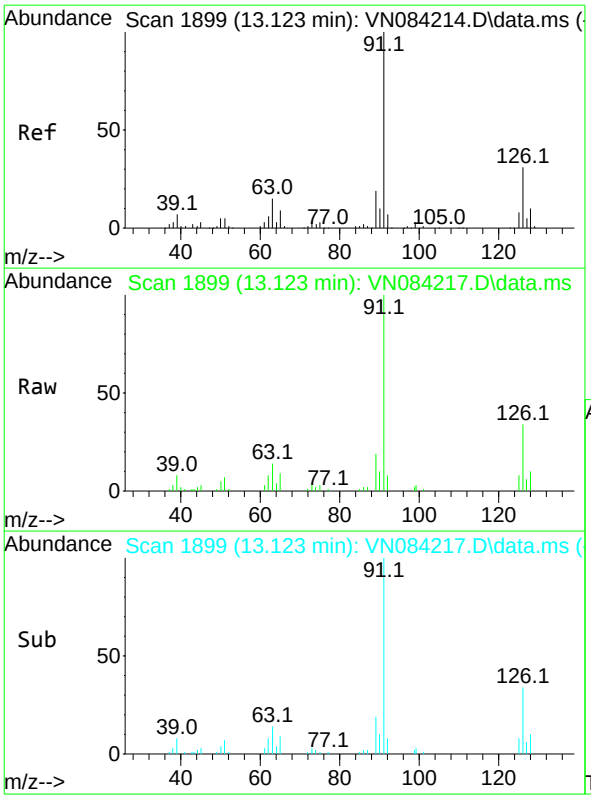


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

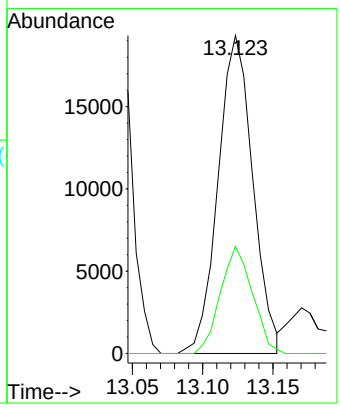




#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33161

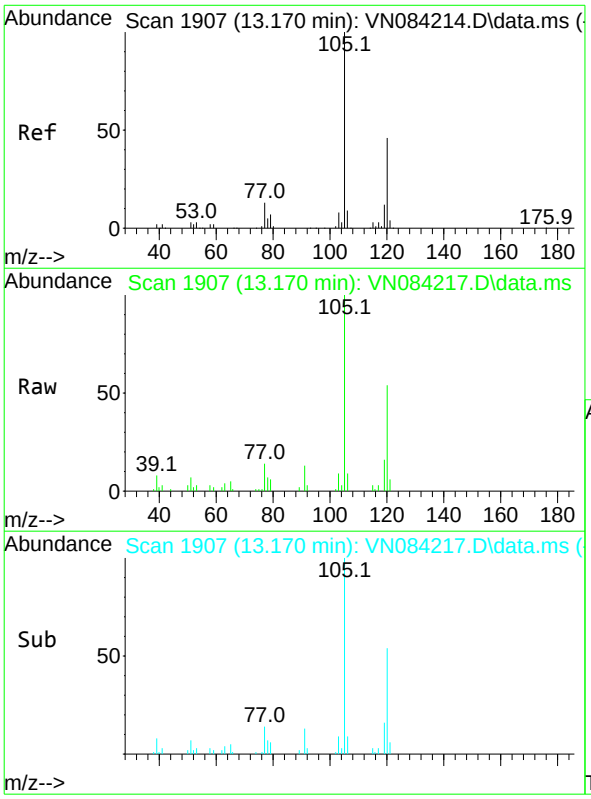
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

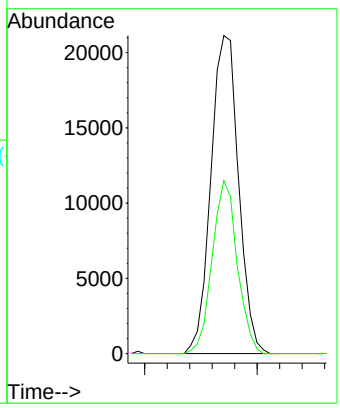
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

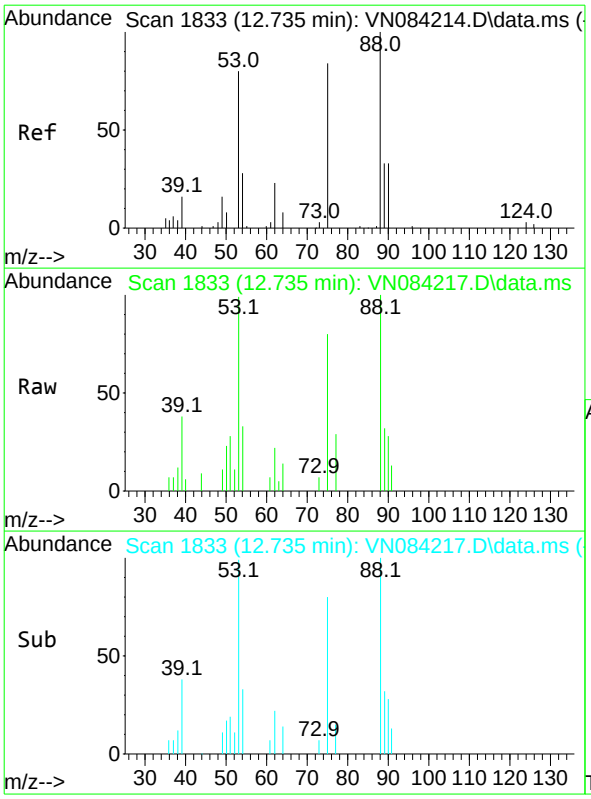


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1

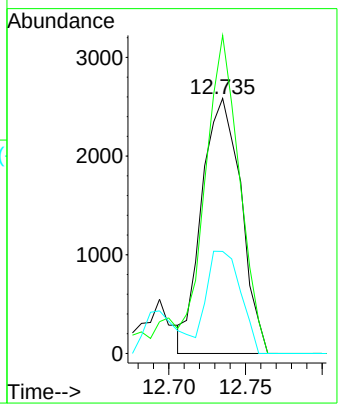




#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 4595

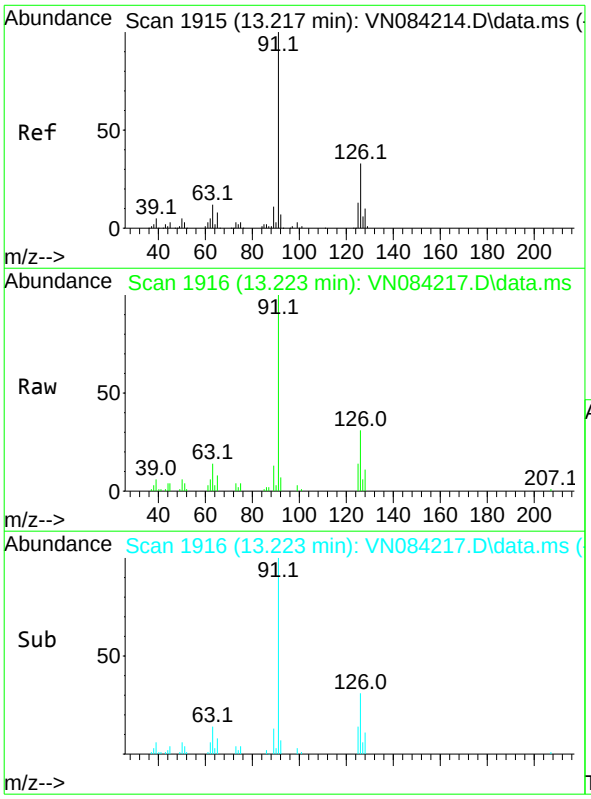
Ion	Ratio	Lower	Upper
75	100		
53	120.1	78.0	117.0#
89	34.5	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

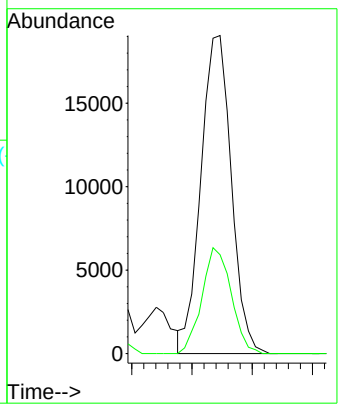
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

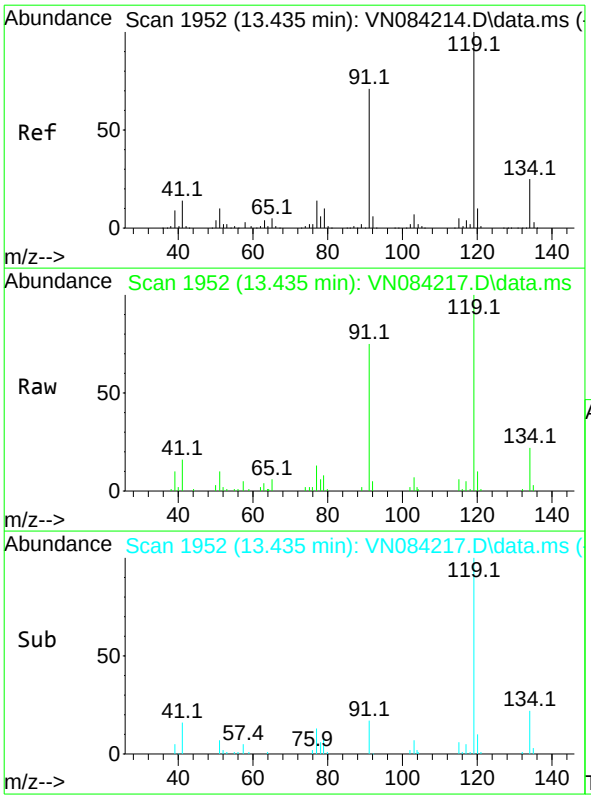


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

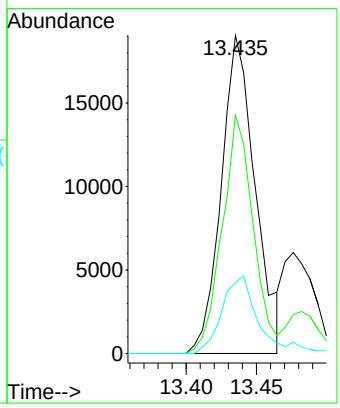




#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:119 Resp: 31990

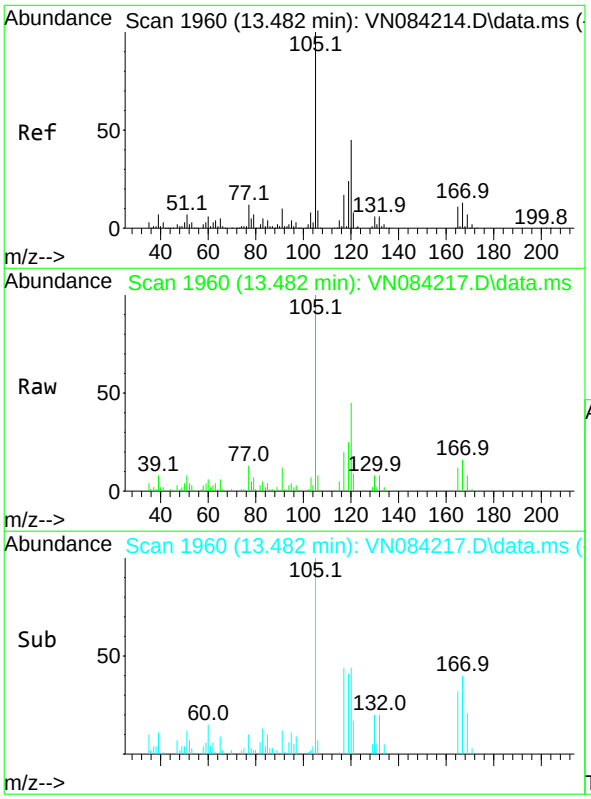
Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

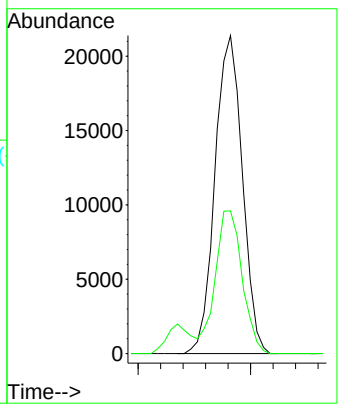
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

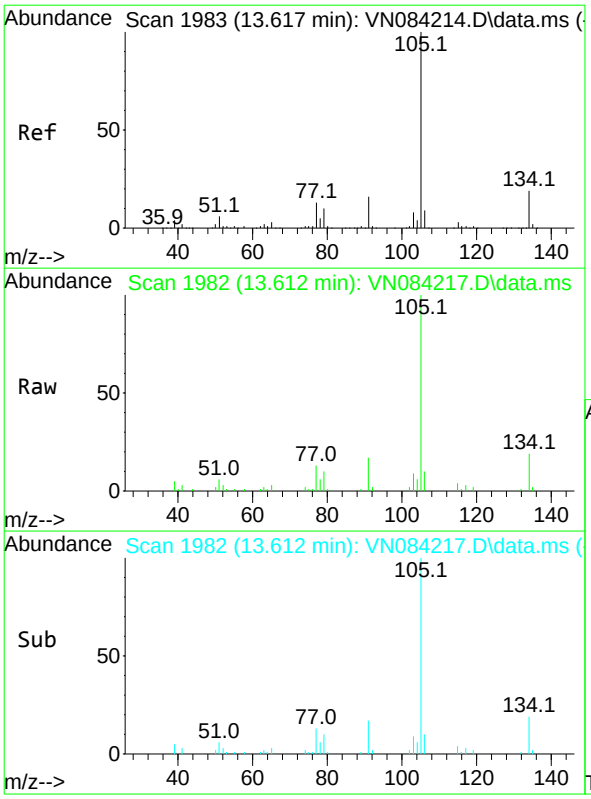


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8

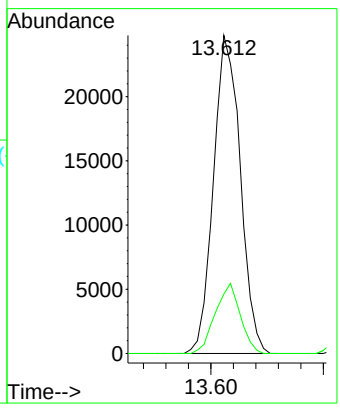




#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 40954

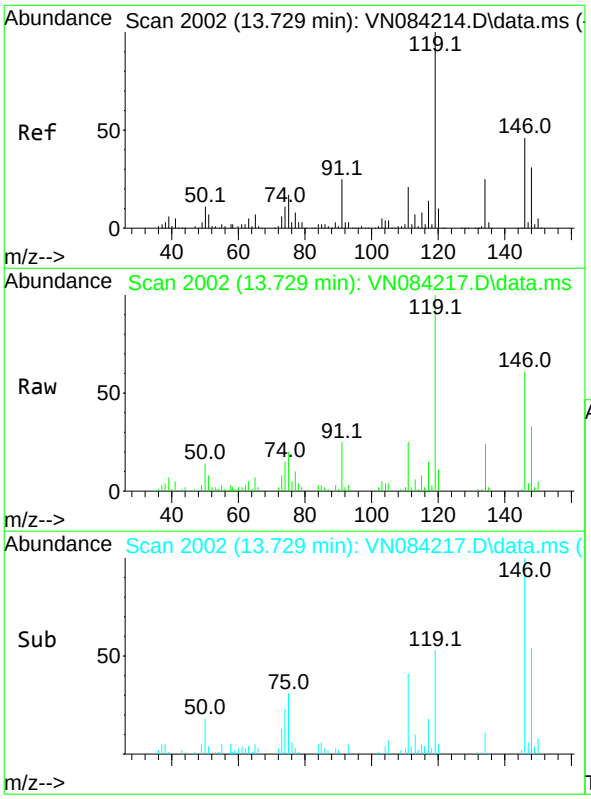
Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

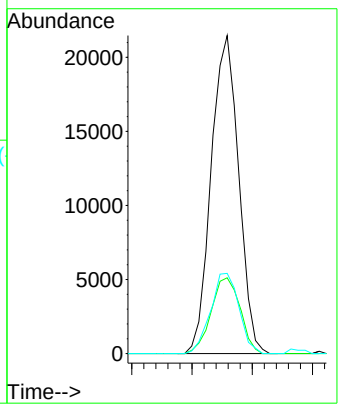
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

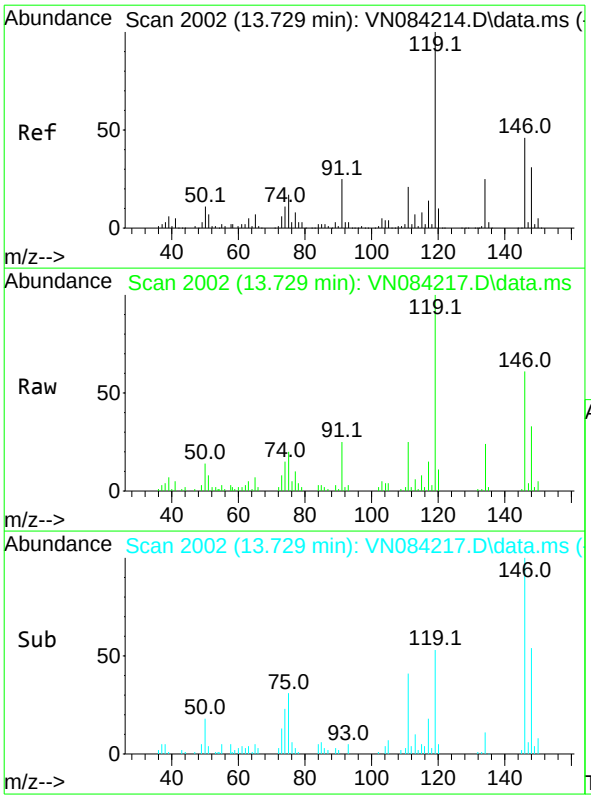


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

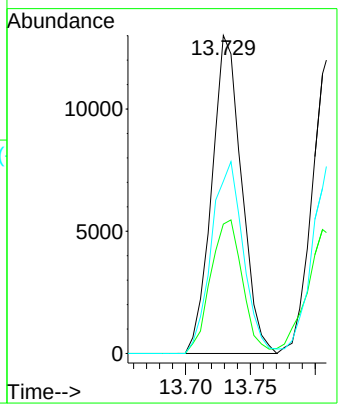




#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 20730

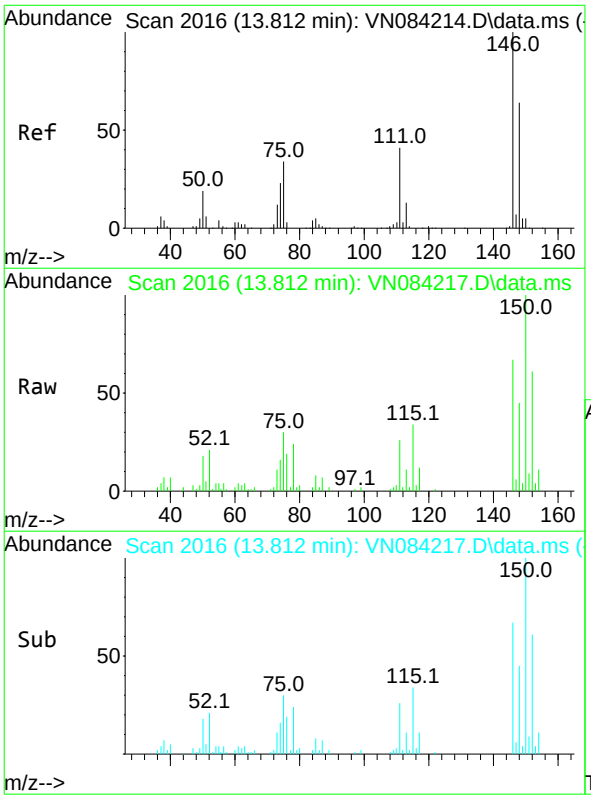
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

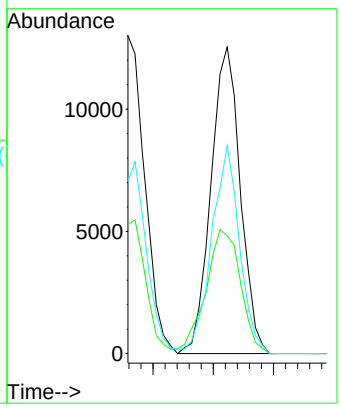
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

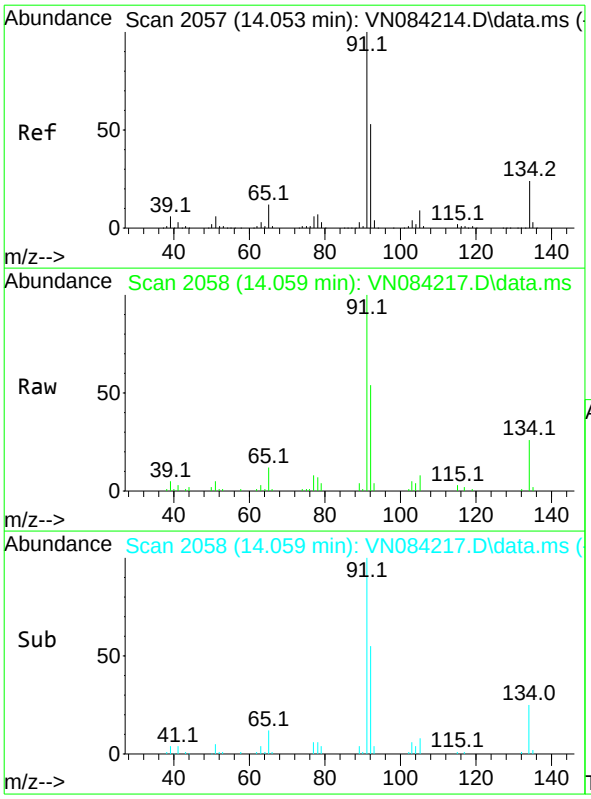


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

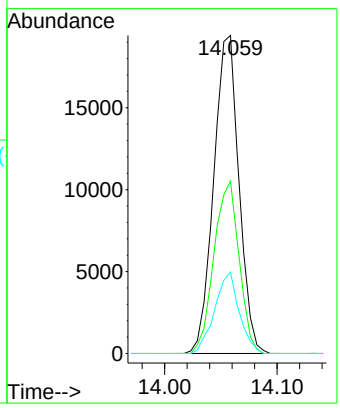




#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 30253

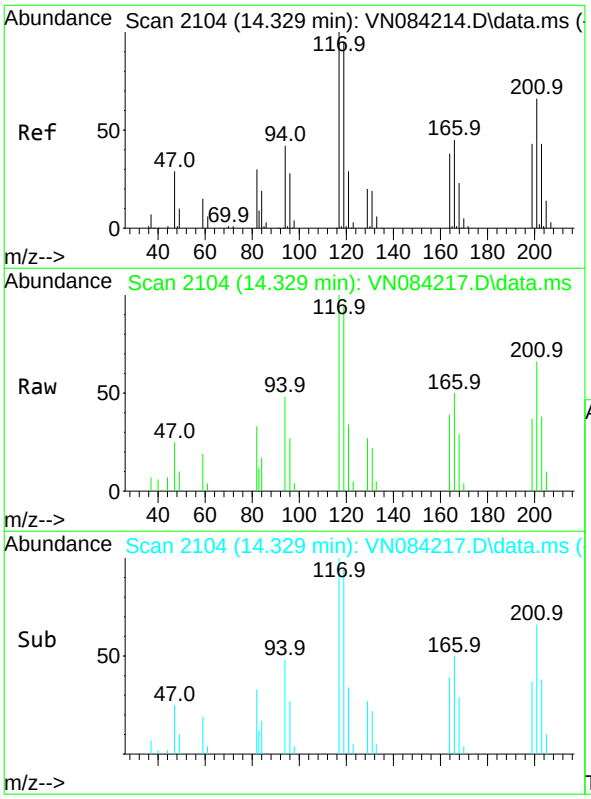
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

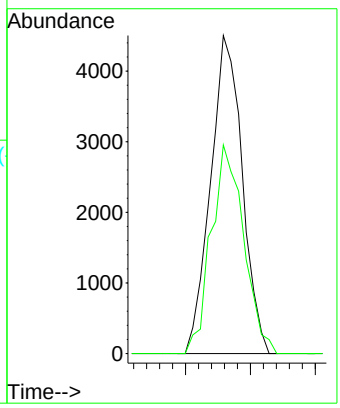
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

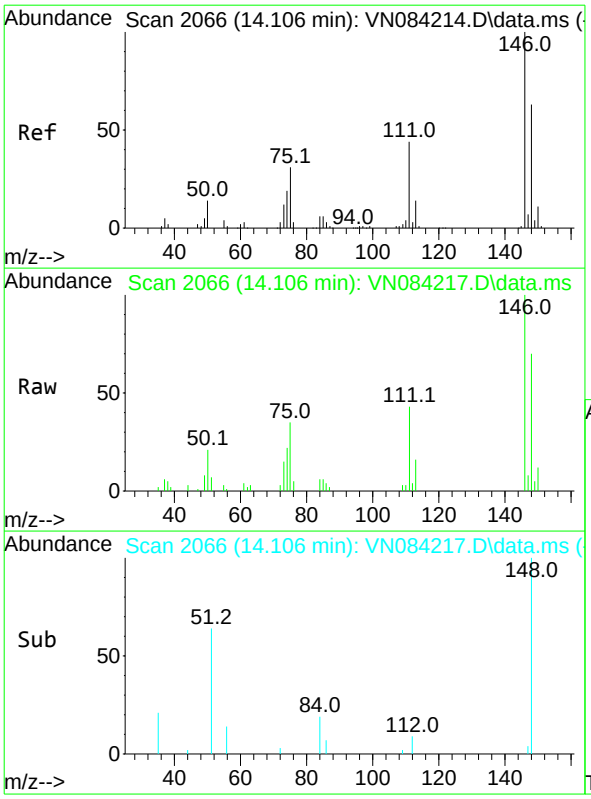


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

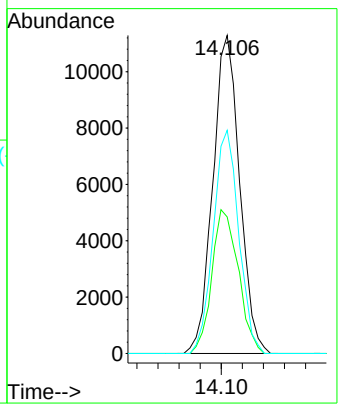




#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 19905

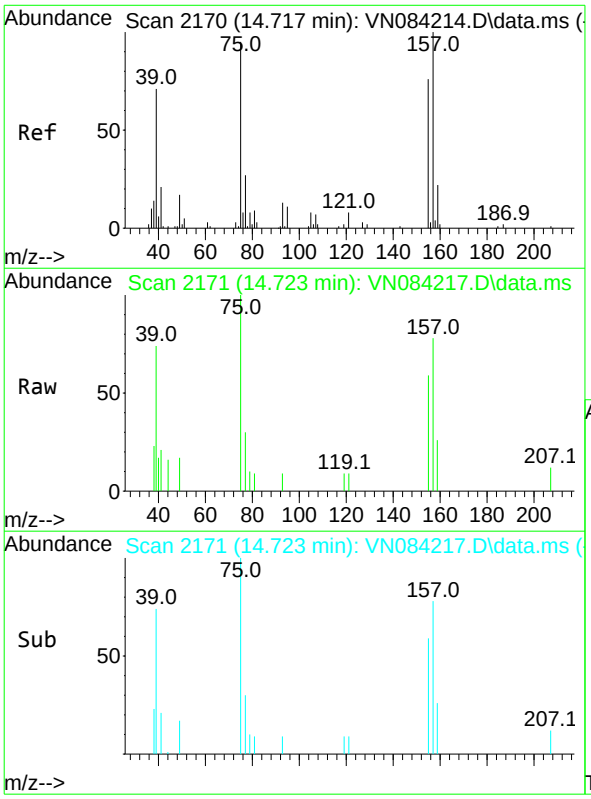
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	66.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

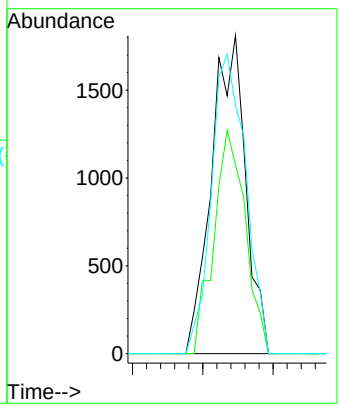
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

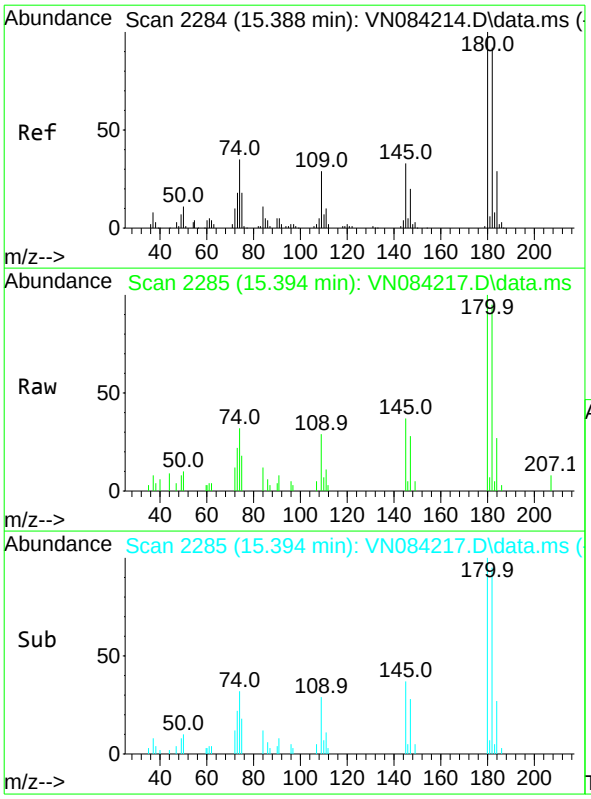


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

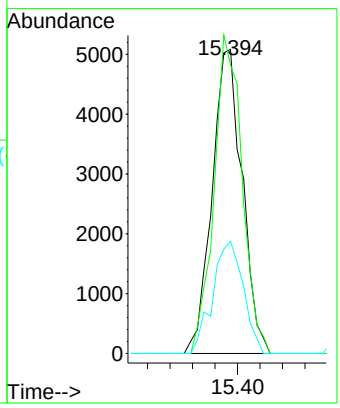




#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:180 Resp: 9439

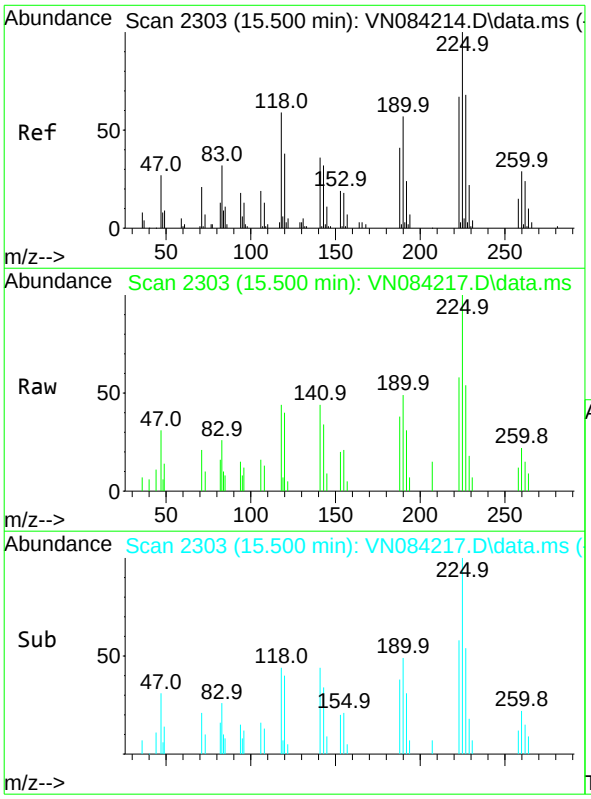
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	37.6	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

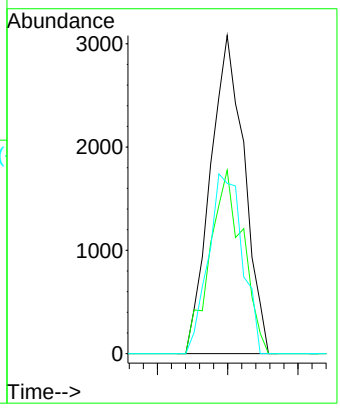
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

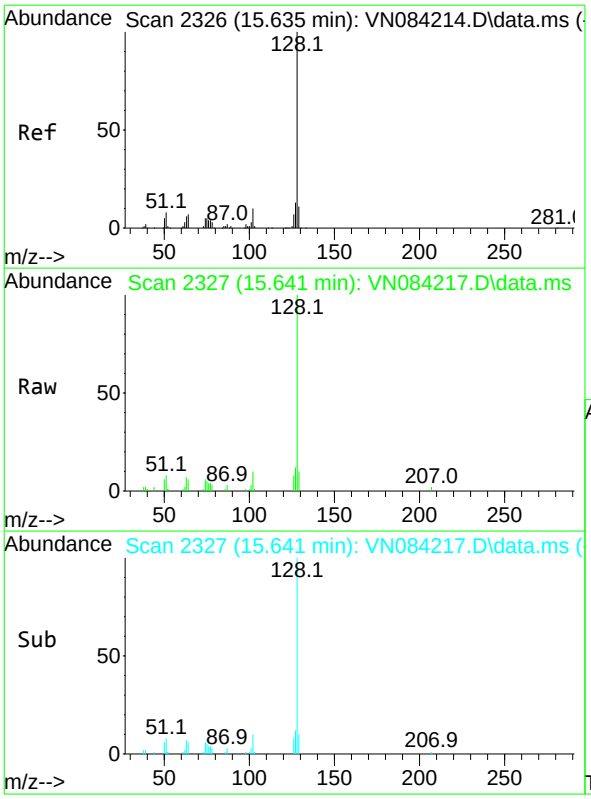


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

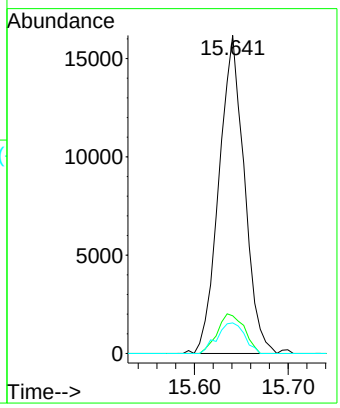




#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:128 Resp: 30391

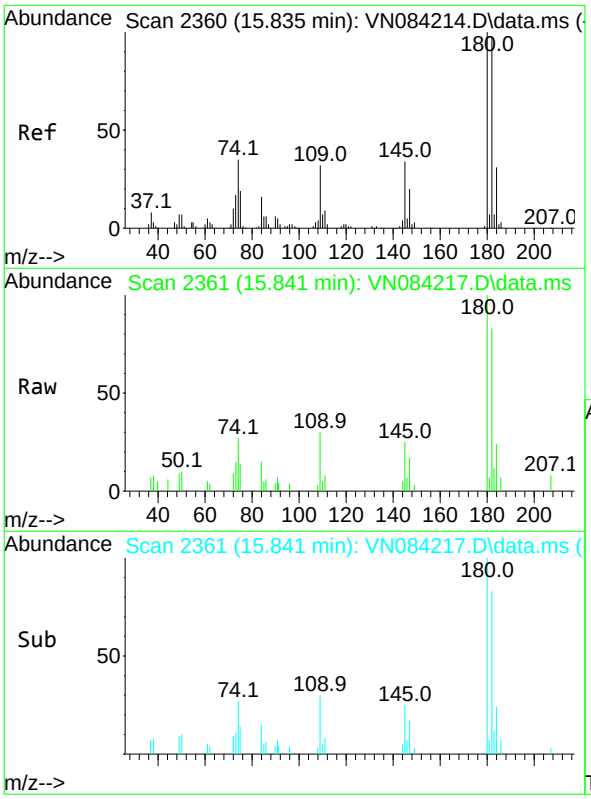
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

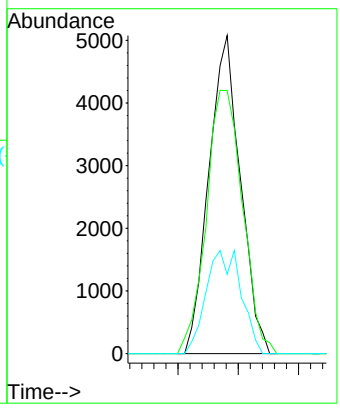
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

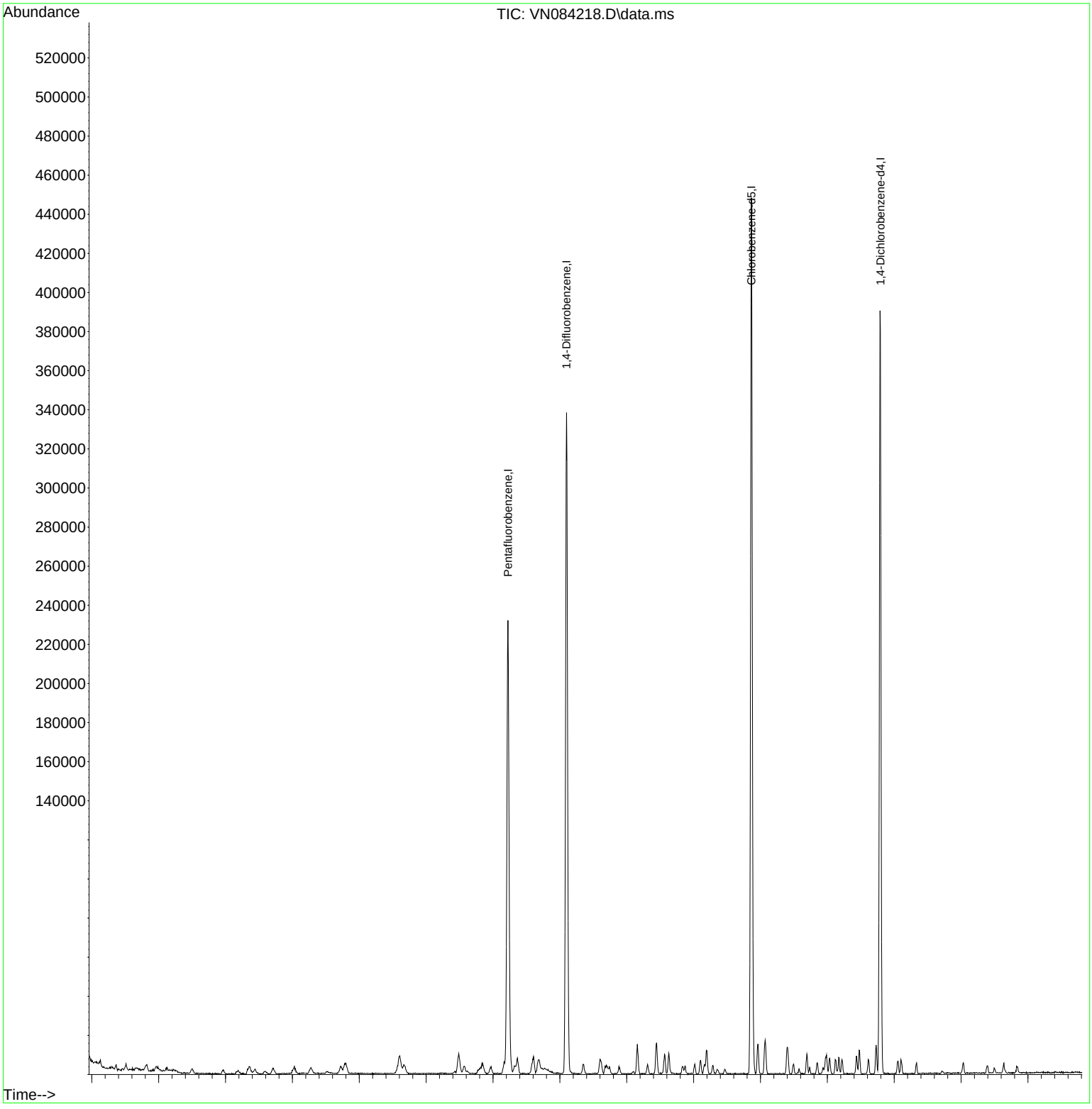
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

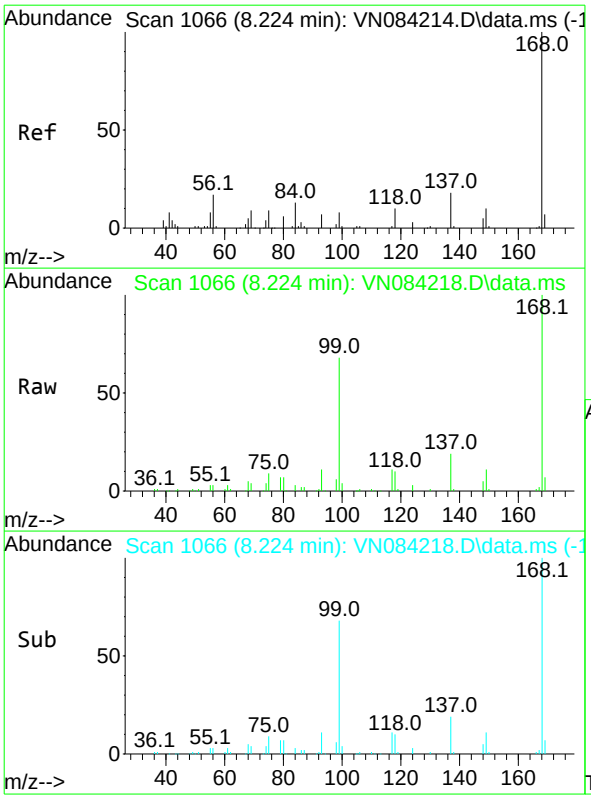
Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

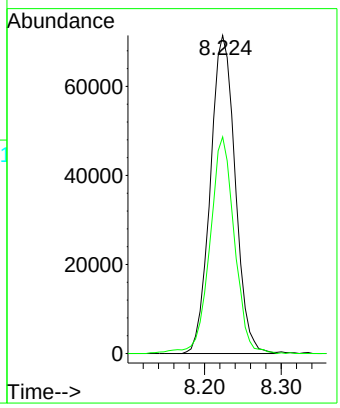




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:168 Resp: 160573

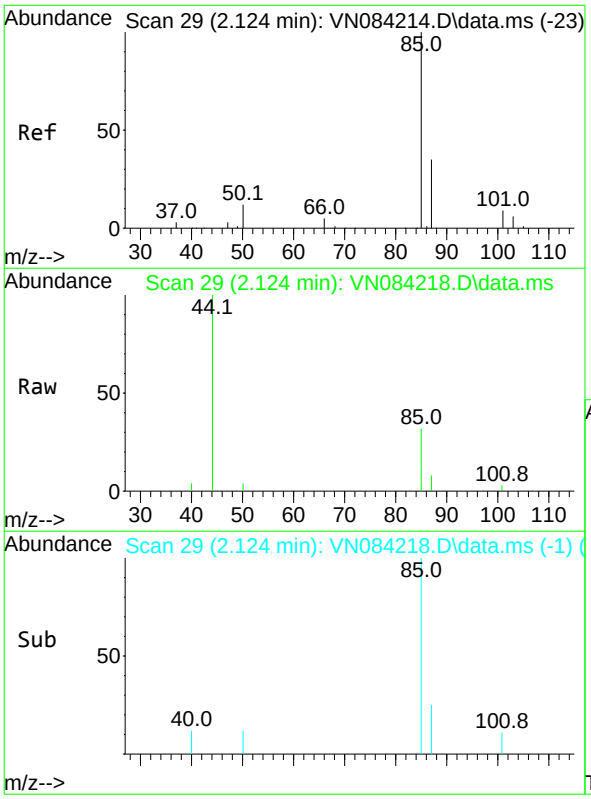
Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

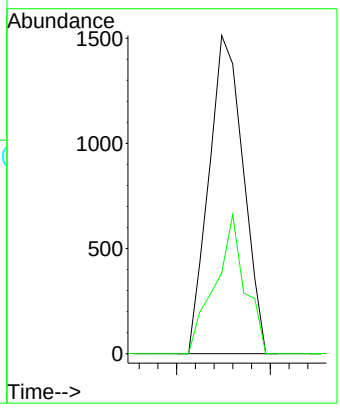
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

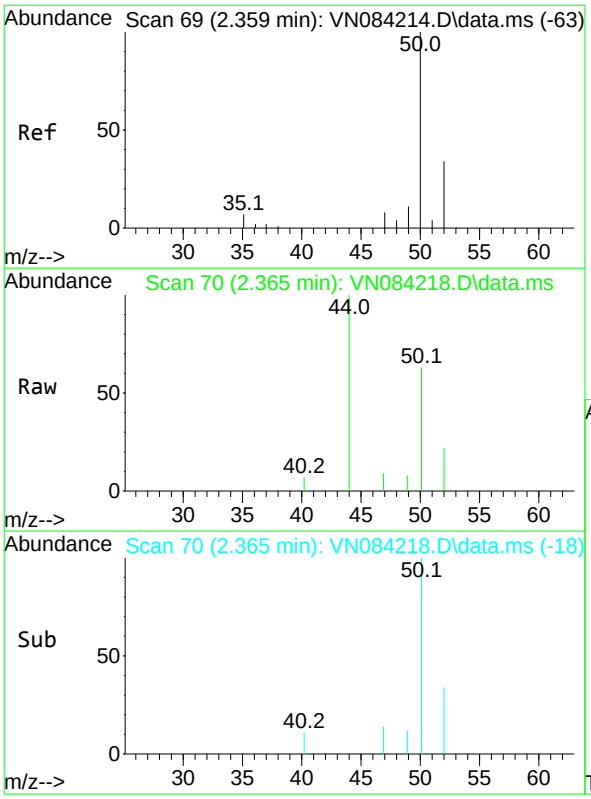


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9

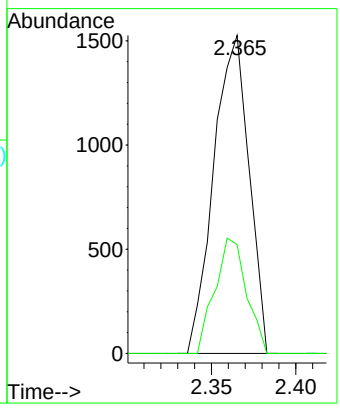




#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 50 Resp: 2217

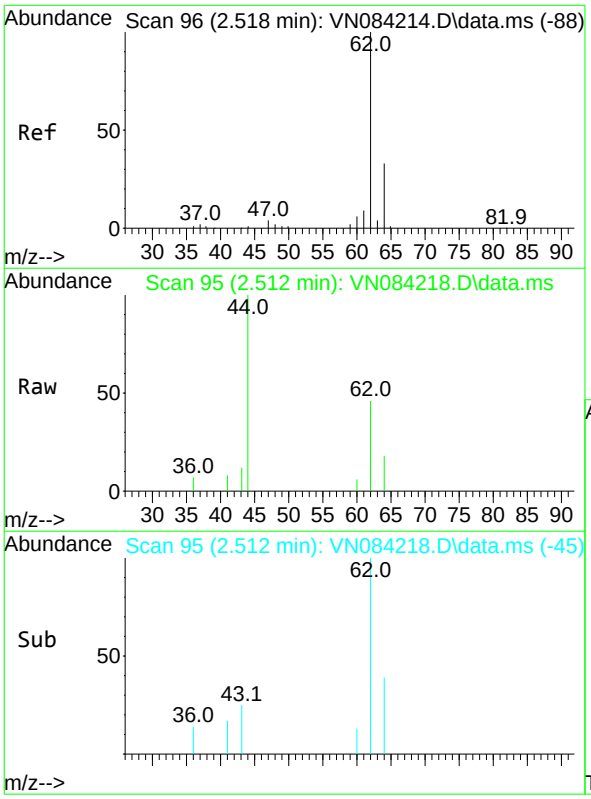
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

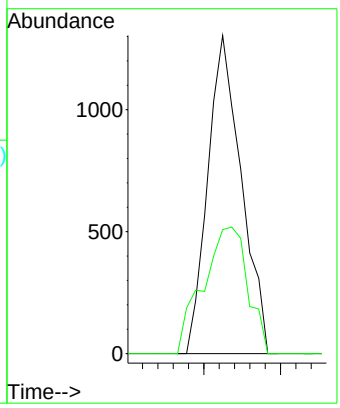
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

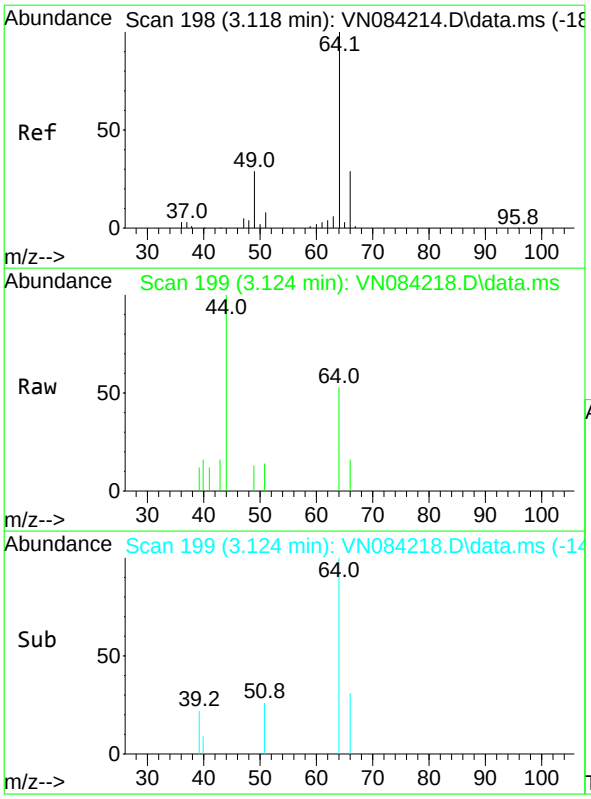


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4

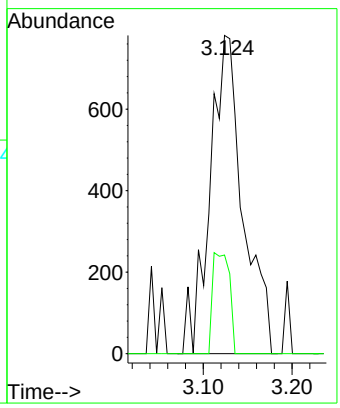




#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

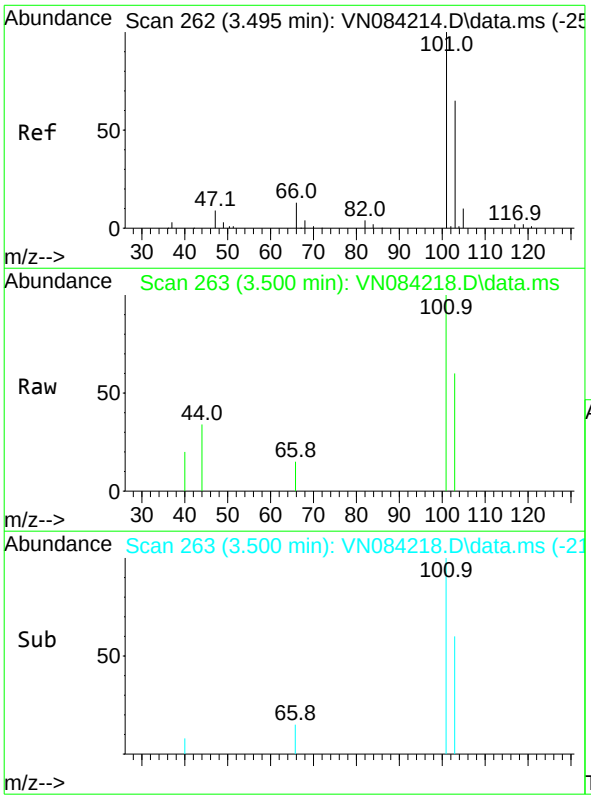
Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

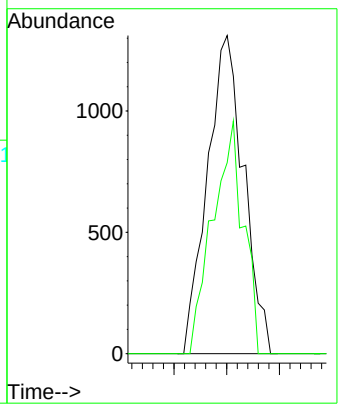
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

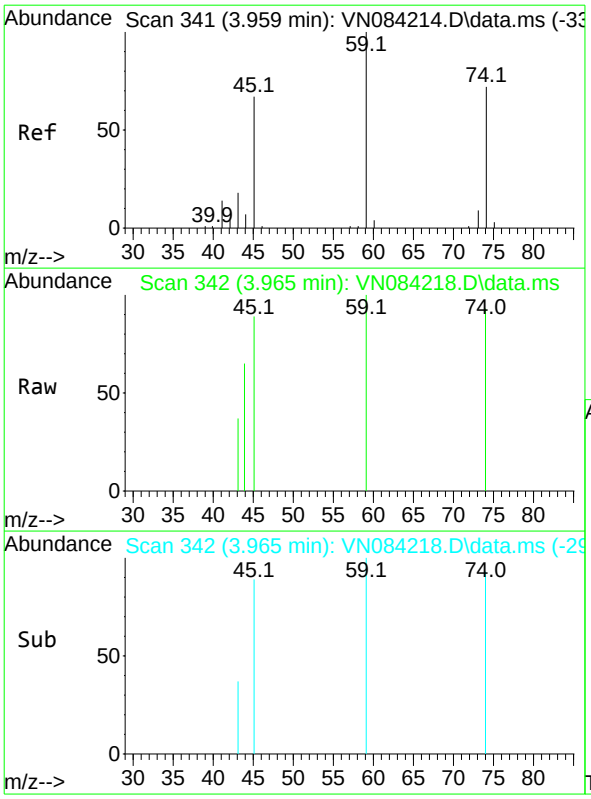


#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

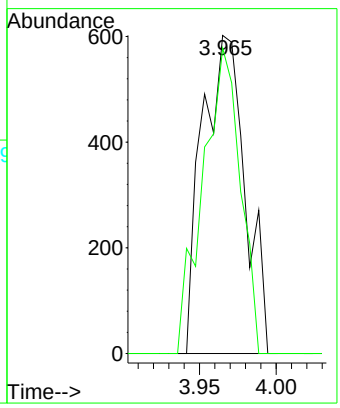




#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

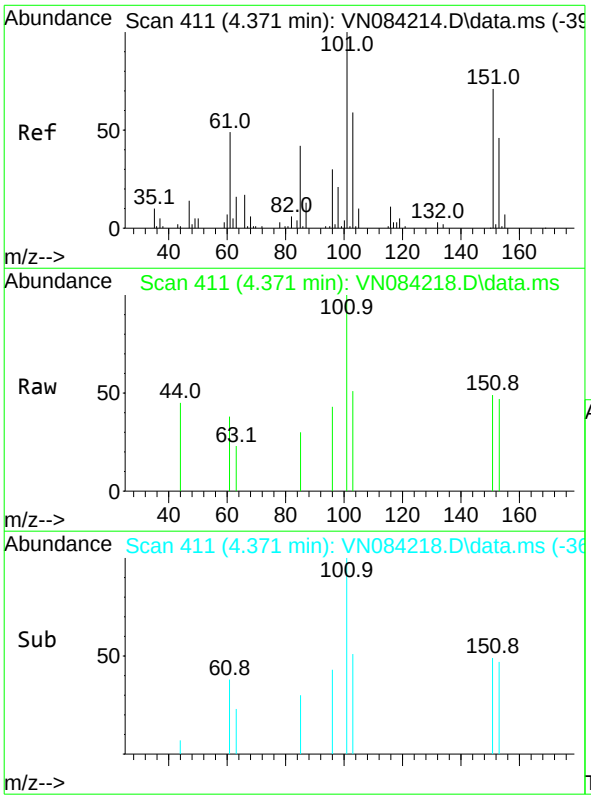
Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

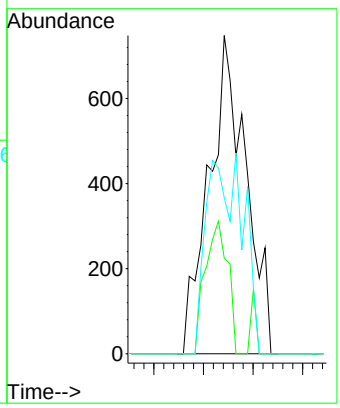
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

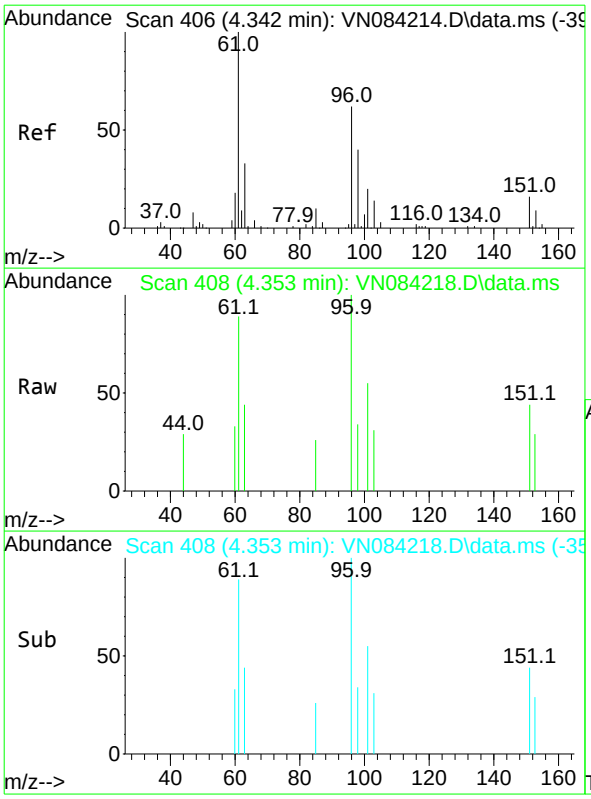


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

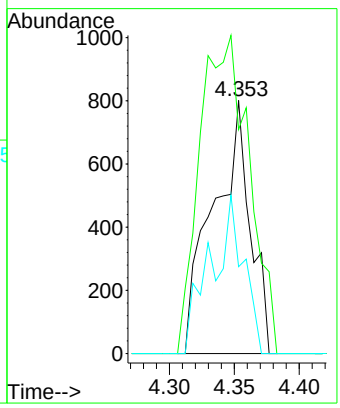




#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1584

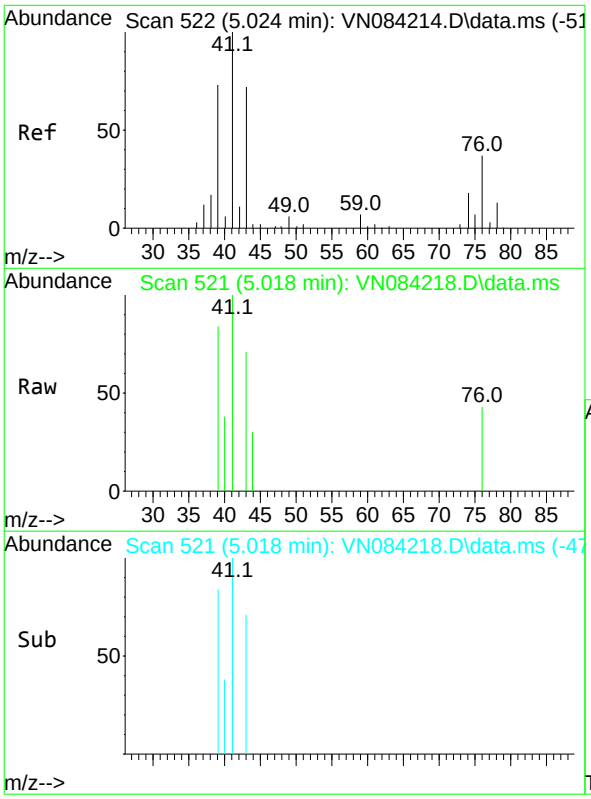
Ion	Ratio	Lower	Upper
96	100		
61	88.5	128.6	192.8#
98	34.3	51.7	77.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

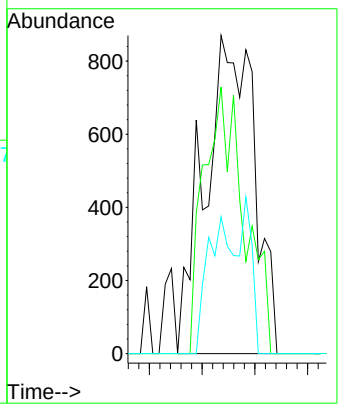
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

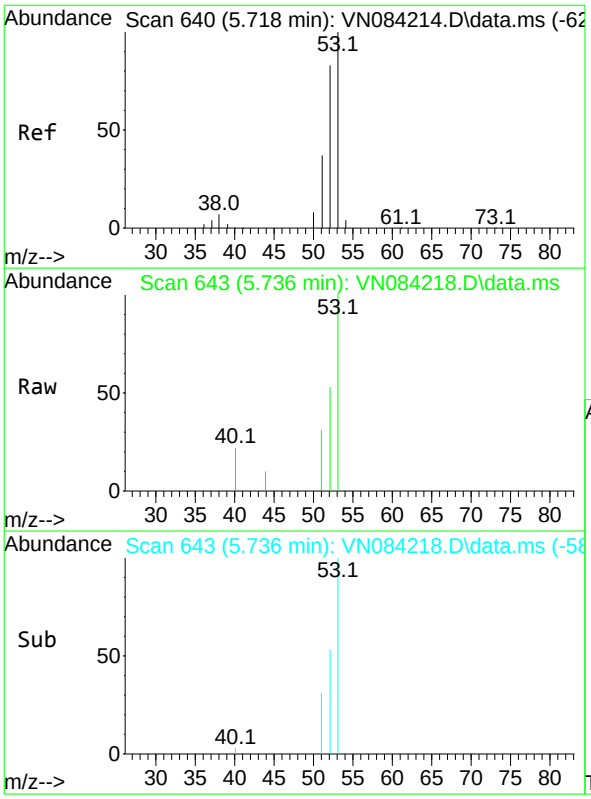


#14
Allyl chloride
Concen: 0.908 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

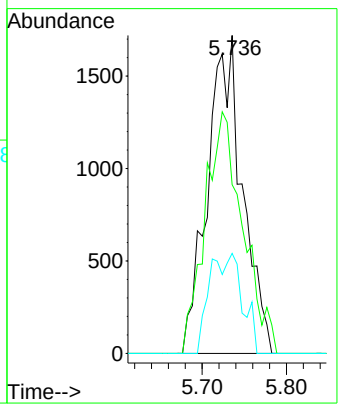




#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 53 Resp: 4920

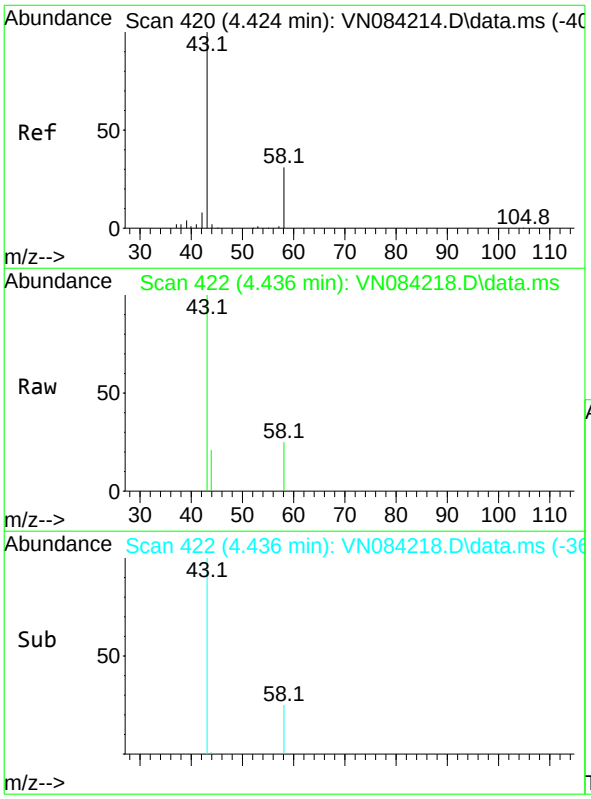
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

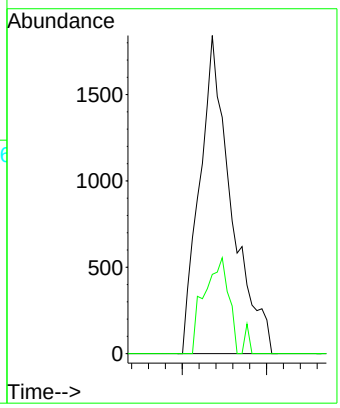
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

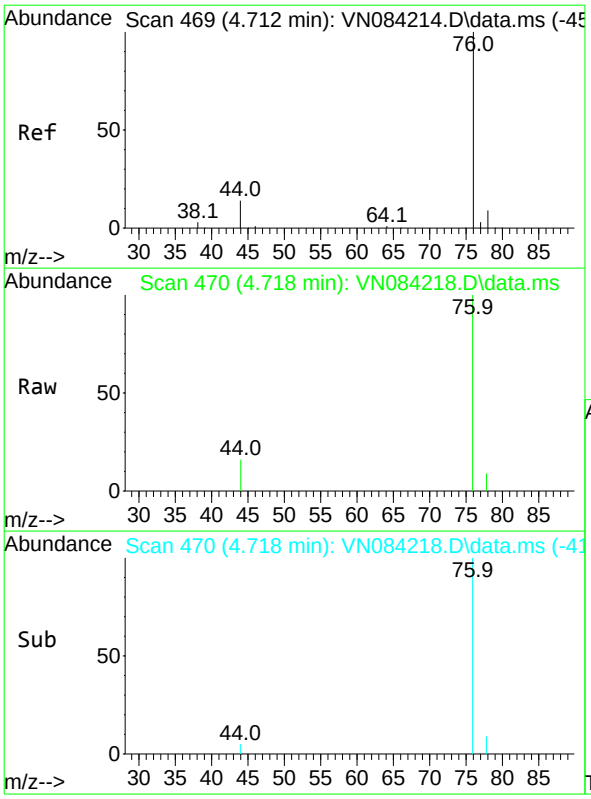


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6

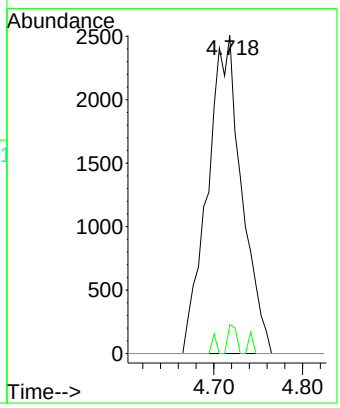




#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 76 Resp: 6680

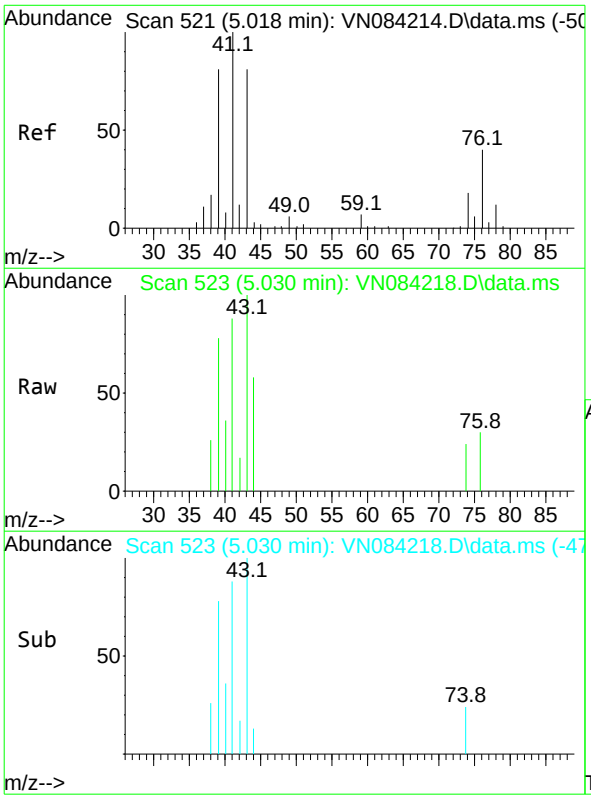
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

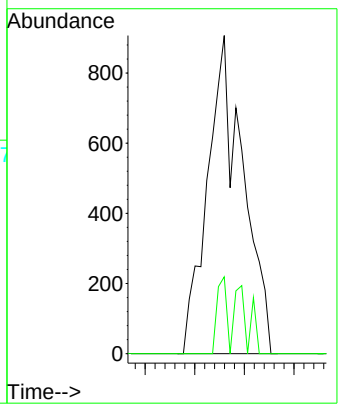
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

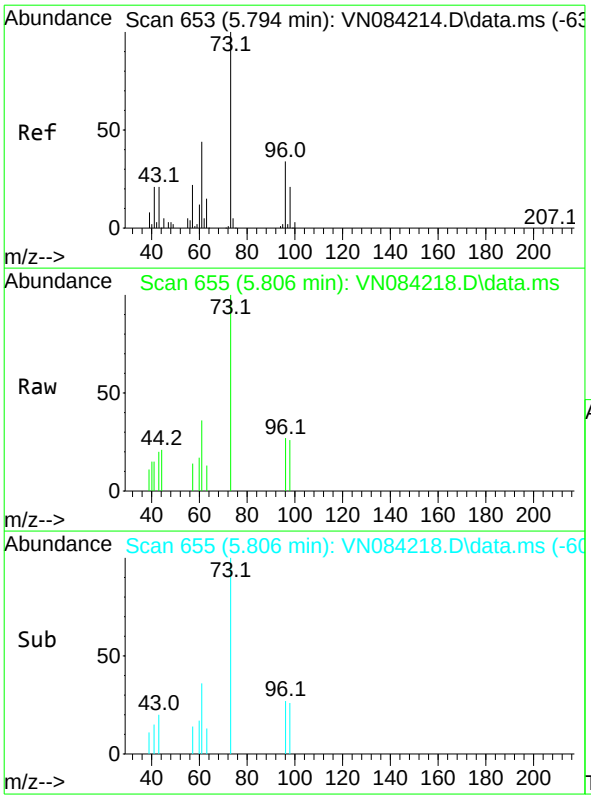


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#

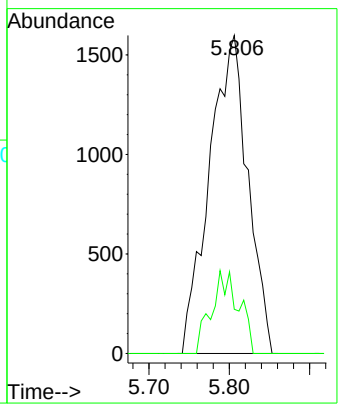




#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 73 Resp: 5319

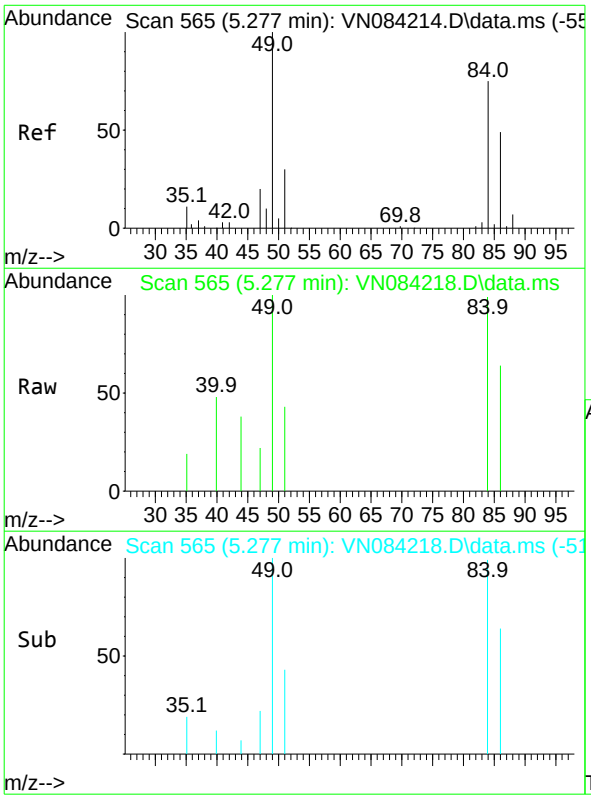
Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

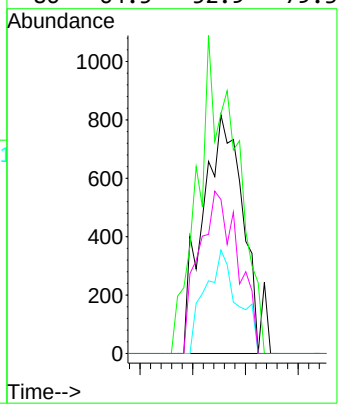
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

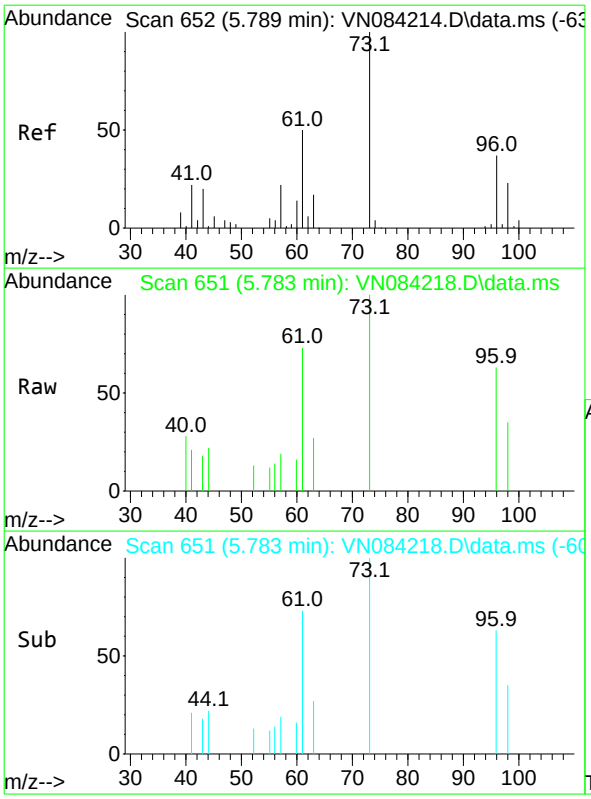


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

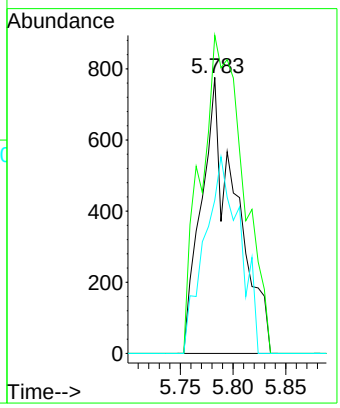




#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1753

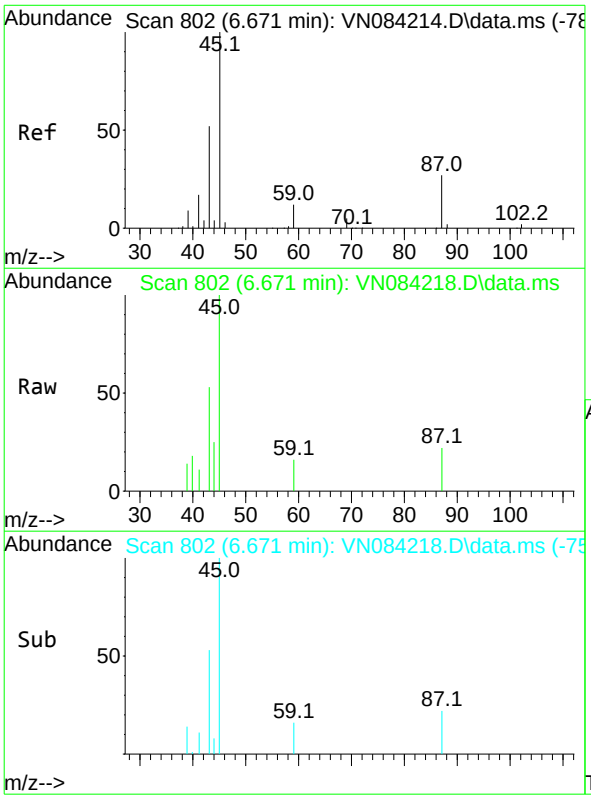
Ion	Ratio	Lower	Upper
96	100		
61	115.2	108.4	162.6
98	55.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

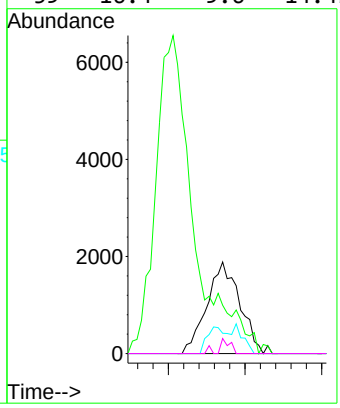
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

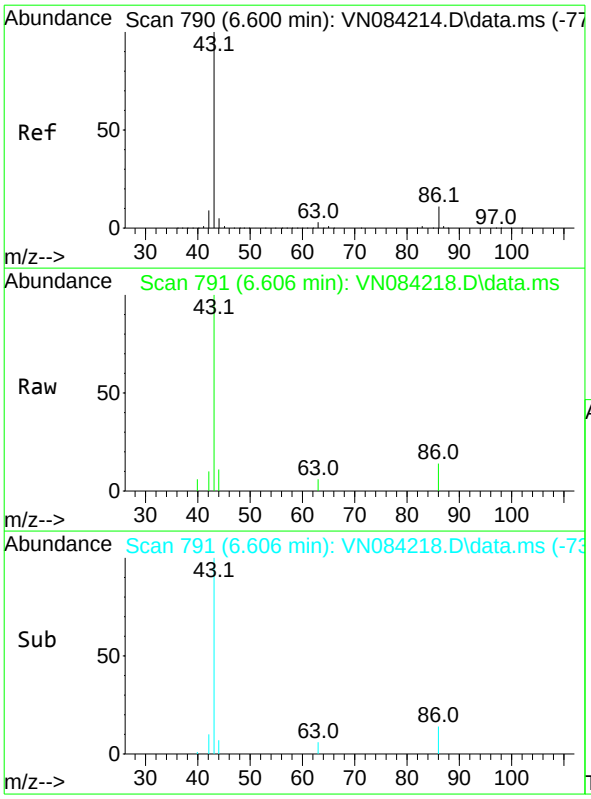


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

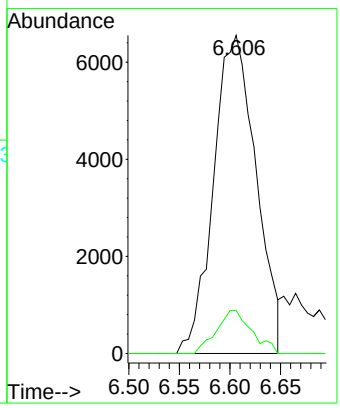




#23
Vinyl Acetate
Concen: 3.967 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 19212

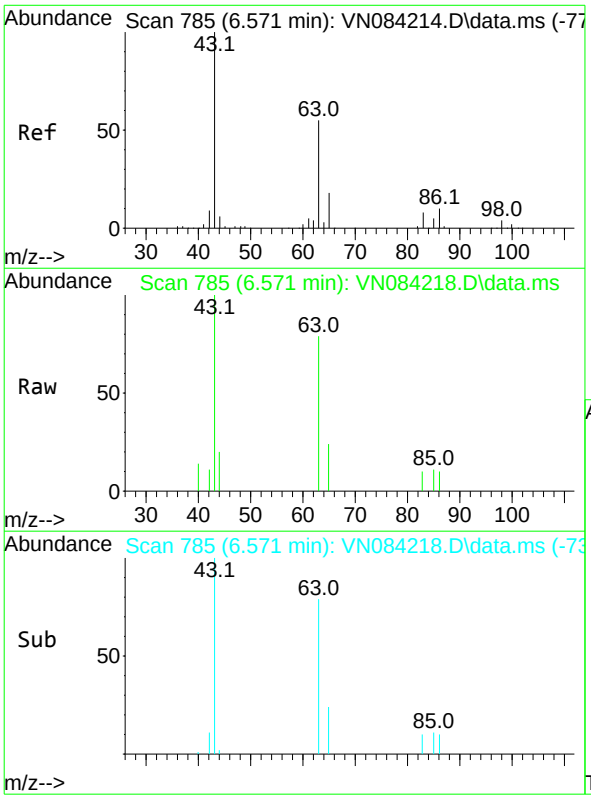
Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

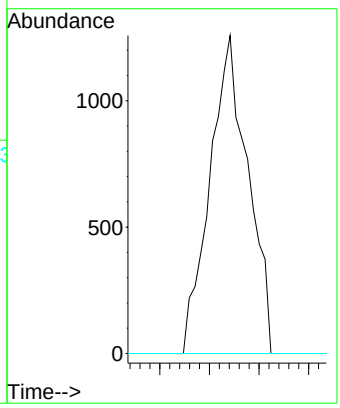
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

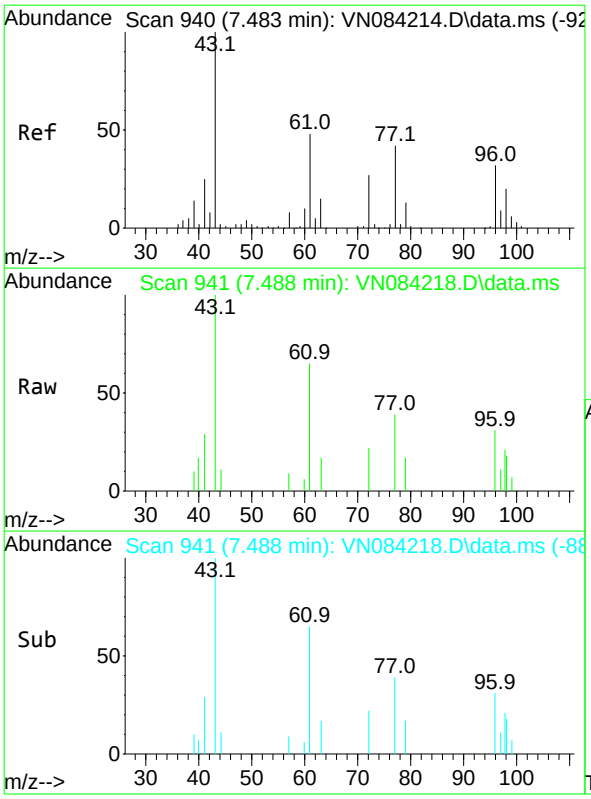


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

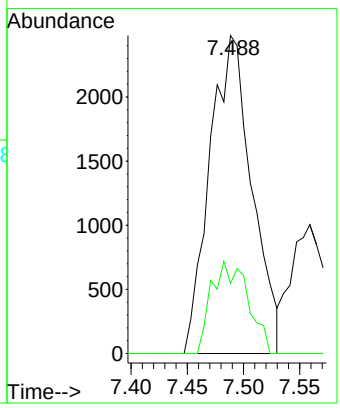




#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 6488

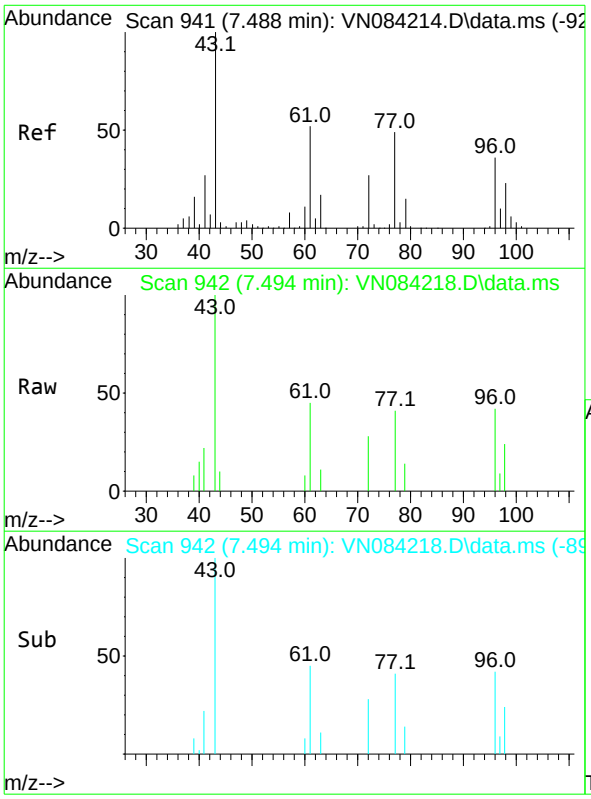
Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

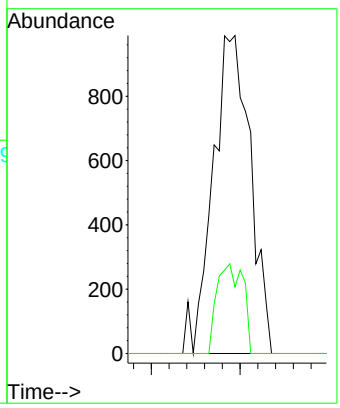
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

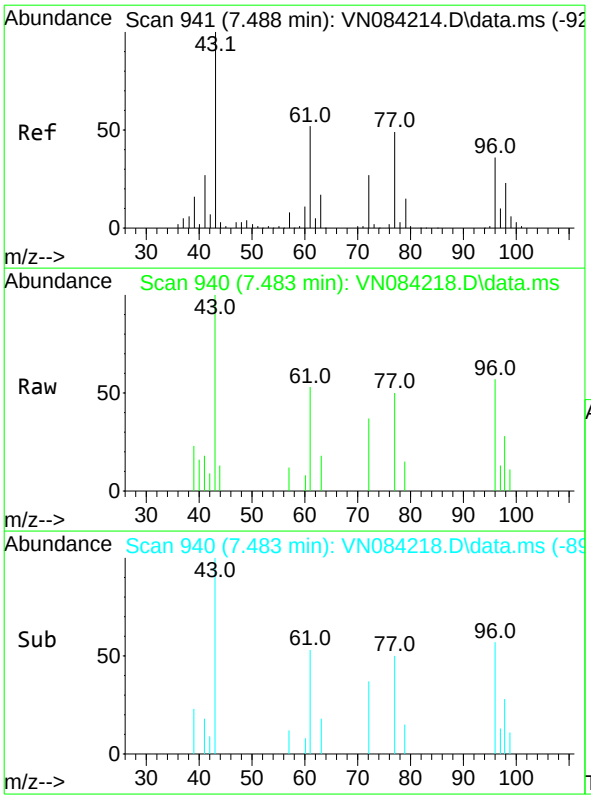


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3

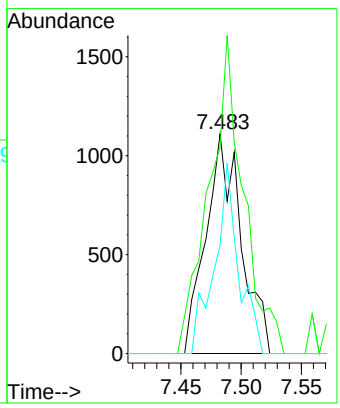




#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 2259

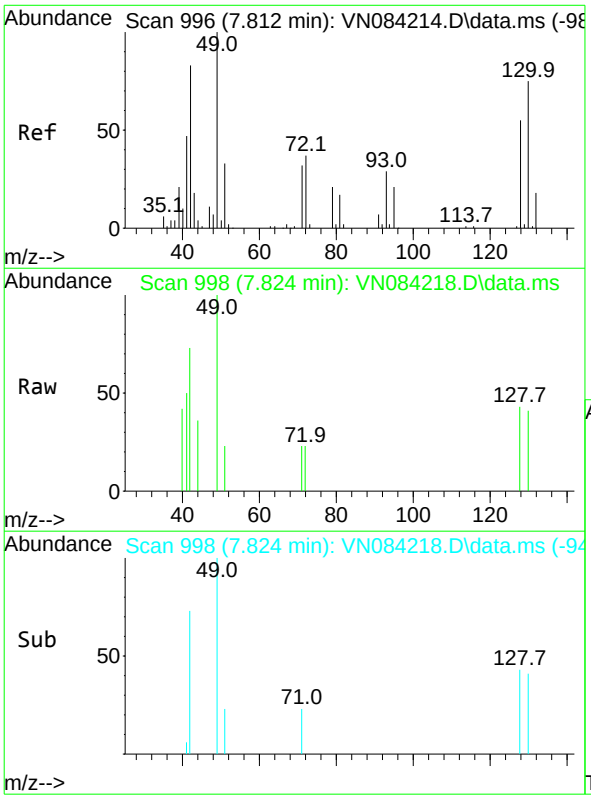
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	301.8
98	59.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

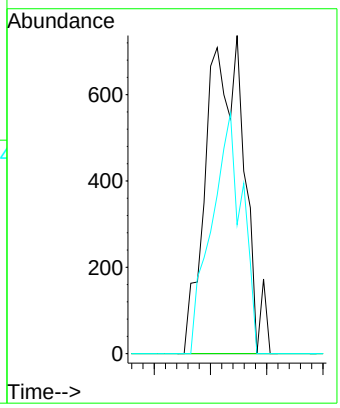
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

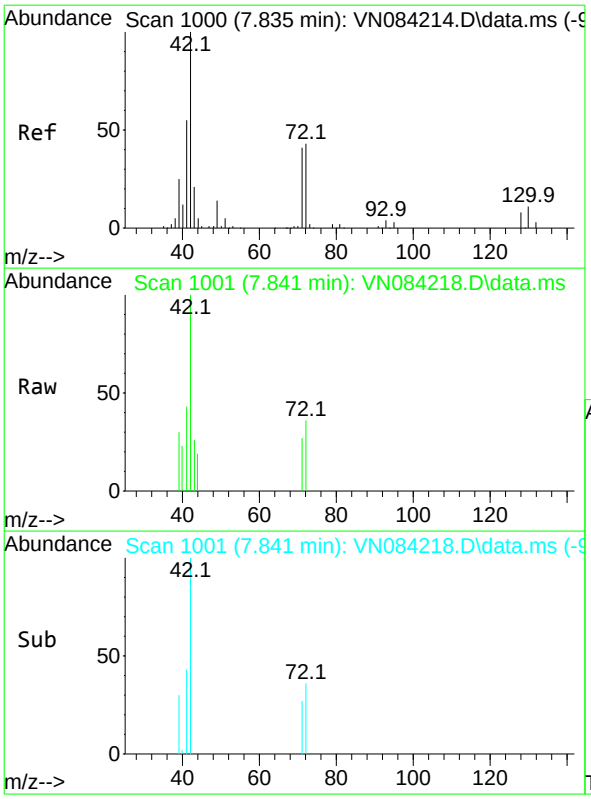


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

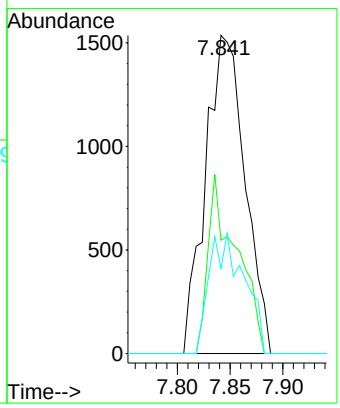




#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 42 Resp: 4006

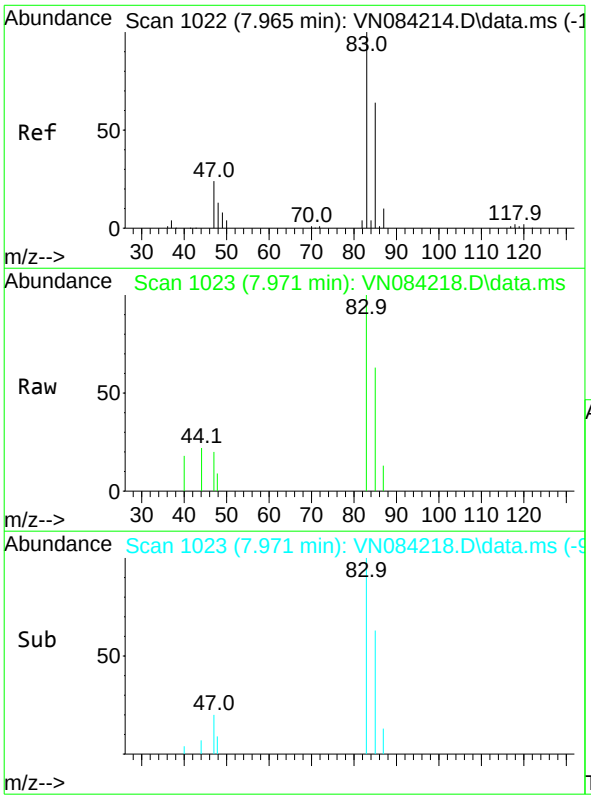
Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.6	51.8
71	33.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

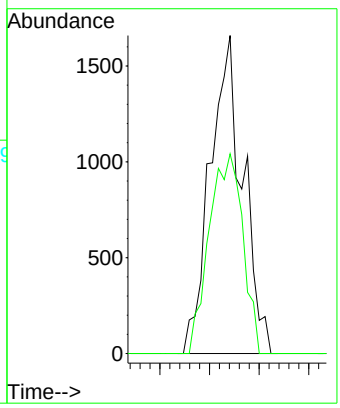
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

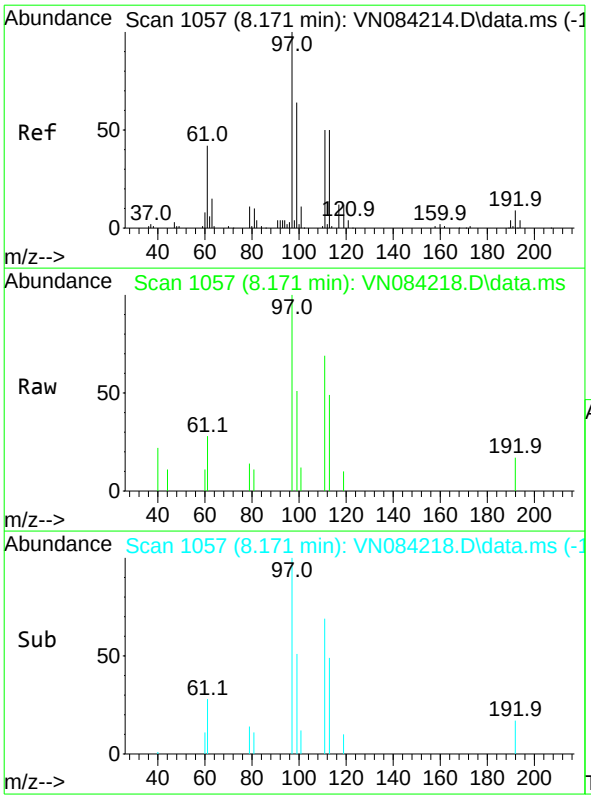


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4

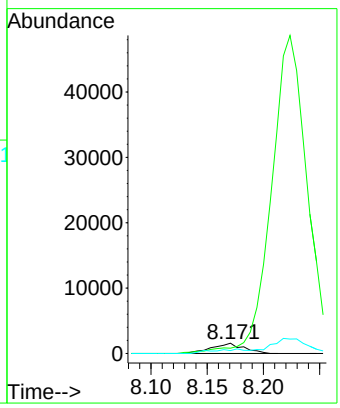




#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 97 Resp: 3120

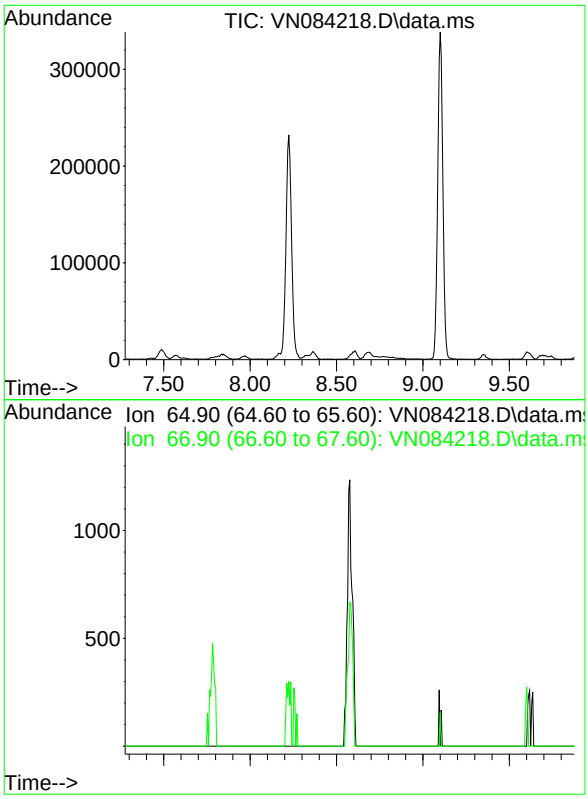
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	46.5	37.5	56.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

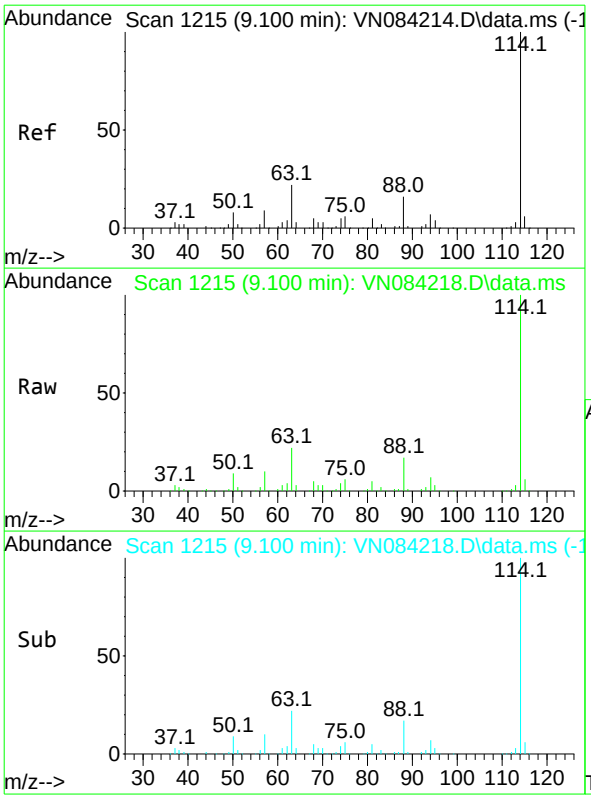


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 65

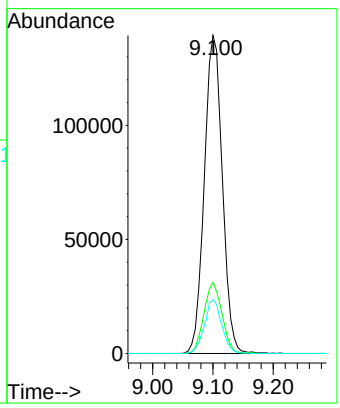
Sig	Exp Ratio
65	100
67	51.0



#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

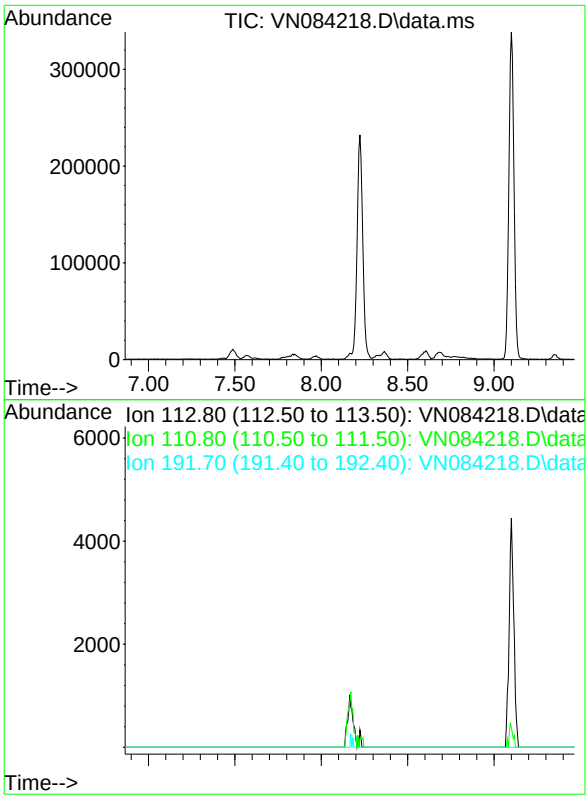
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.9	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

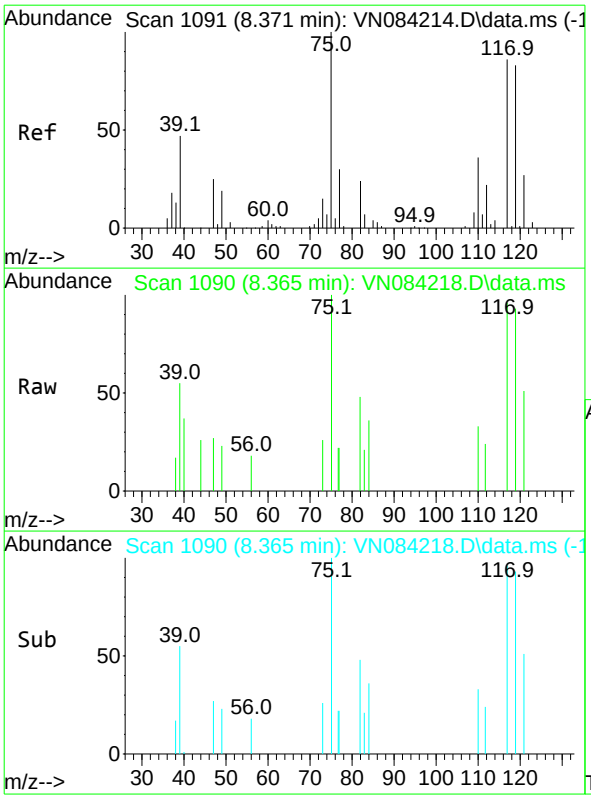


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 113

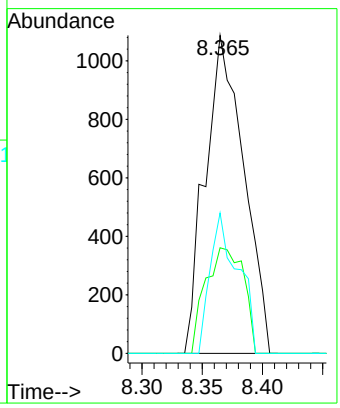
Sig	Exp Ratio
113	100
111	104.1
192	16.9



#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

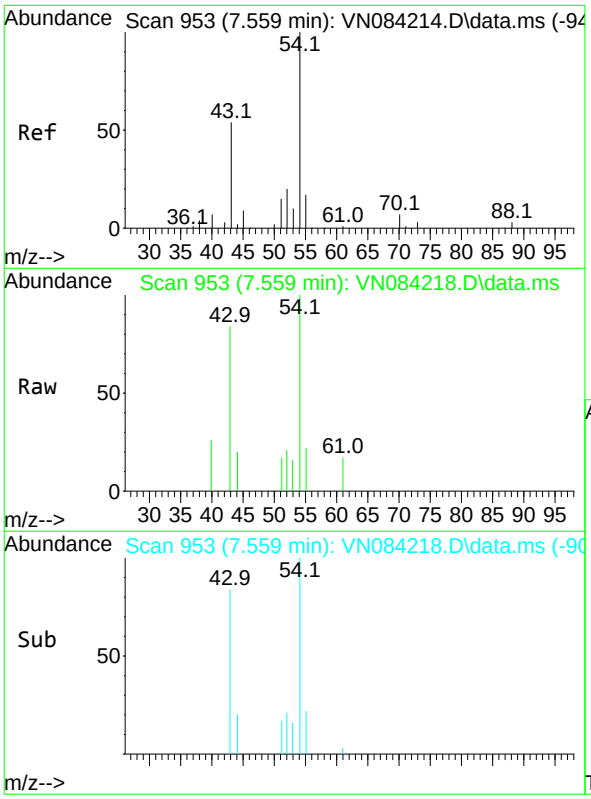
Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.7
77	31.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

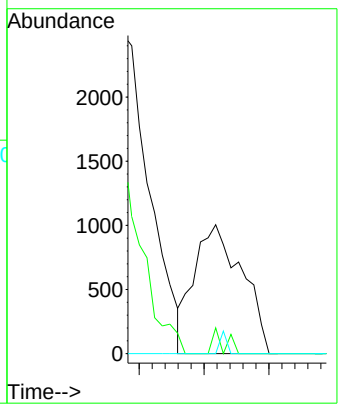
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

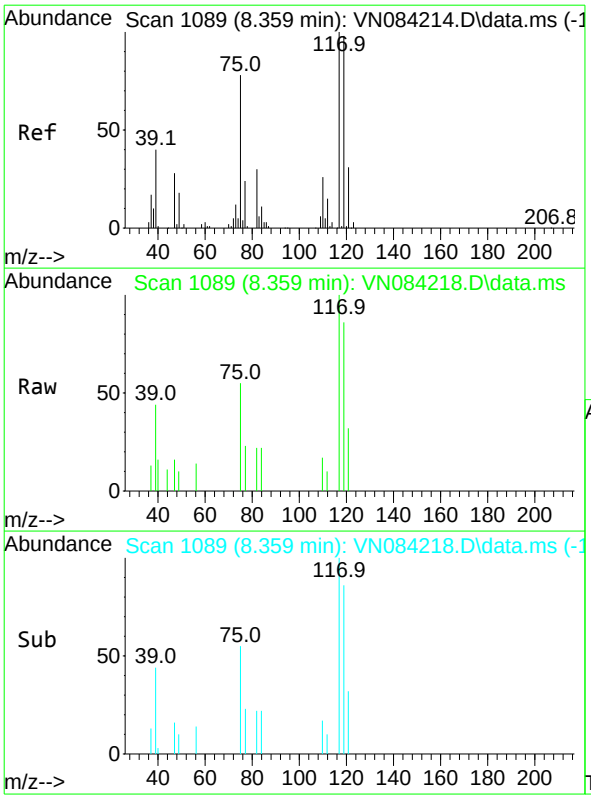


#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

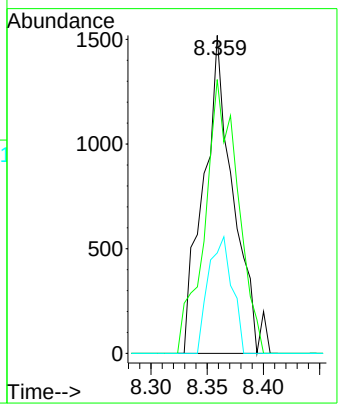




#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 2795

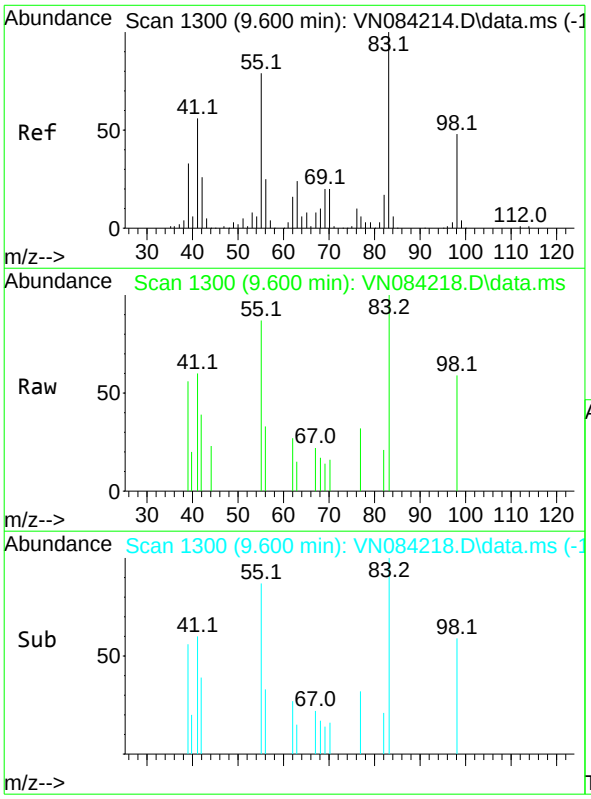
Ion	Ratio	Lower	Upper
117	100		
119	86.1	78.7	118.1
121	31.6	24.4	36.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

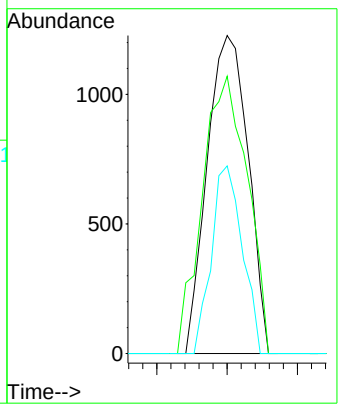
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

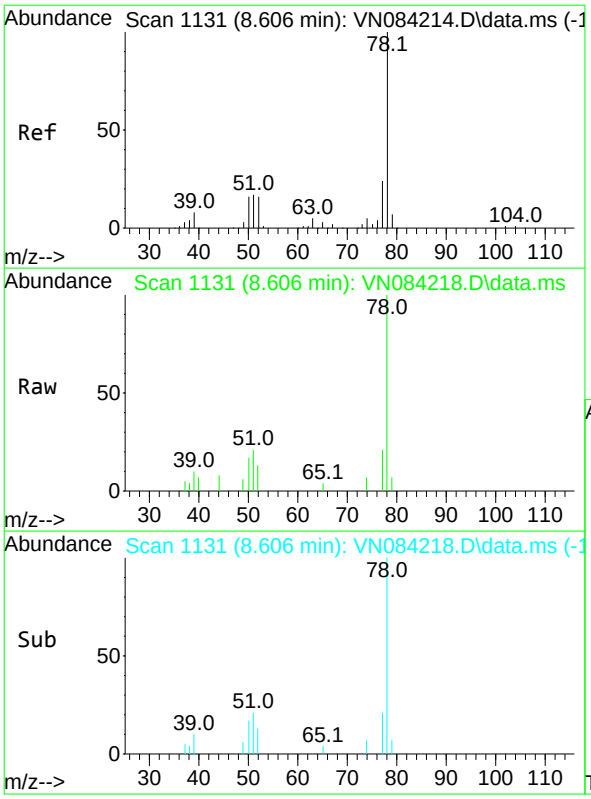


#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

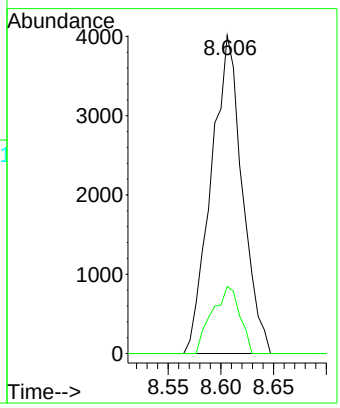




#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

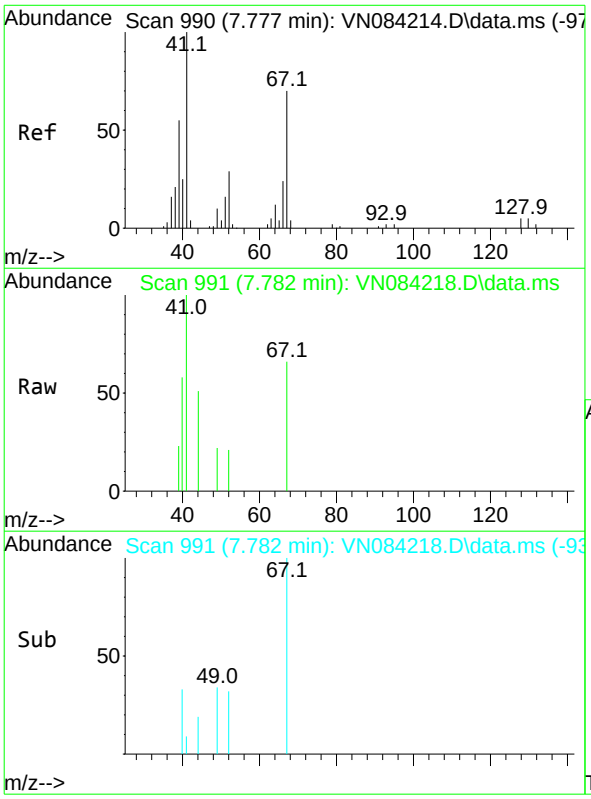
Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

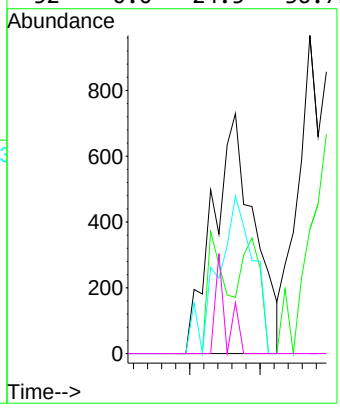
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

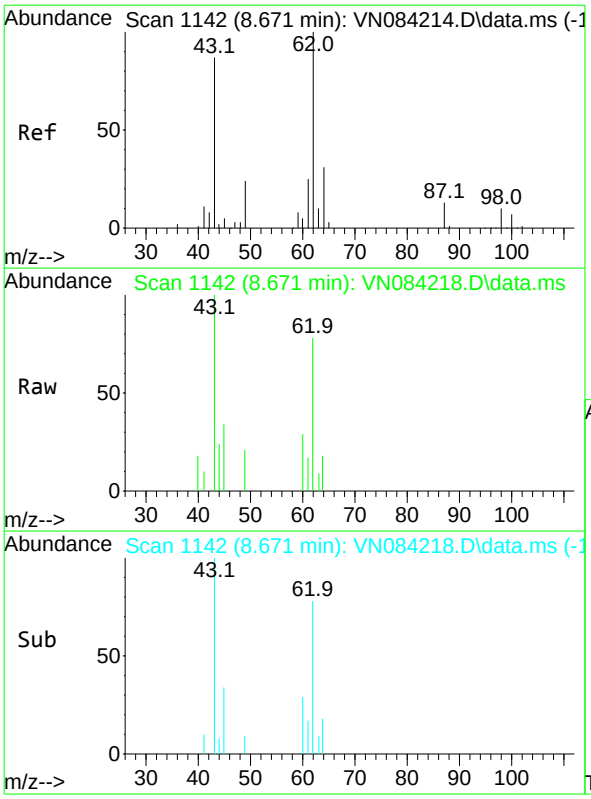


#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

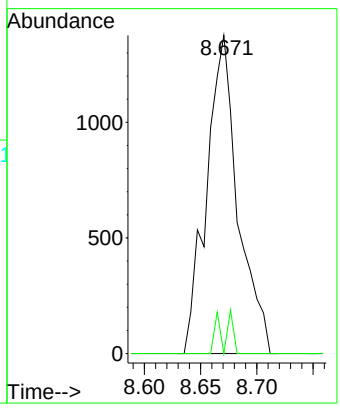




#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

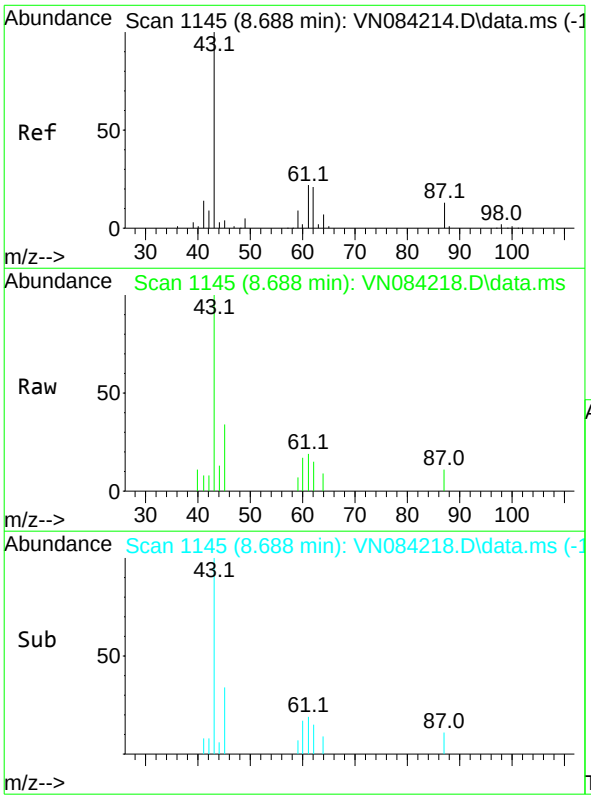
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

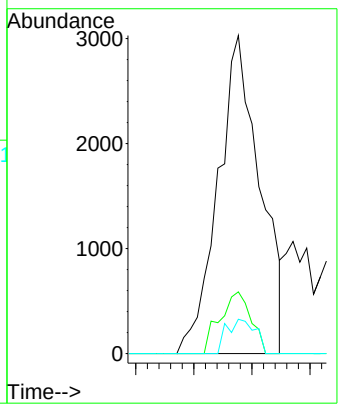
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

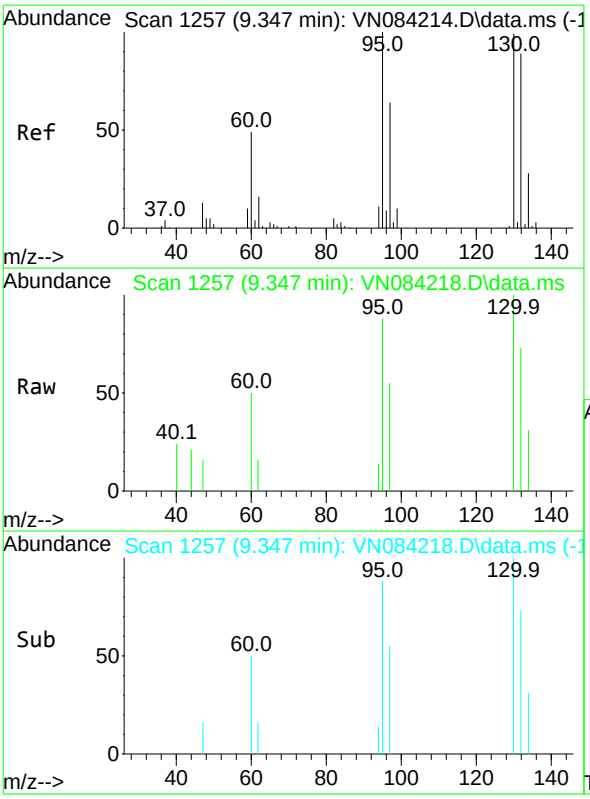


#43
Isopropyl Acetate
Concen: 1.364 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

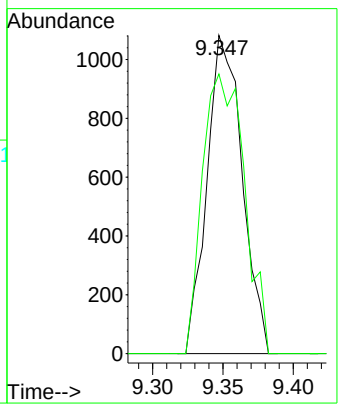




#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

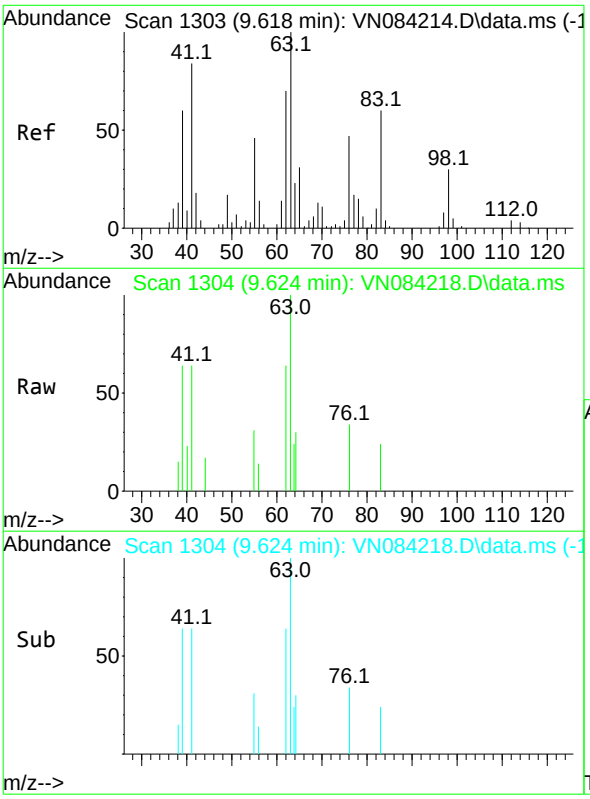
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

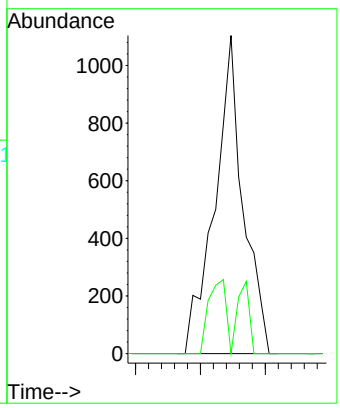
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

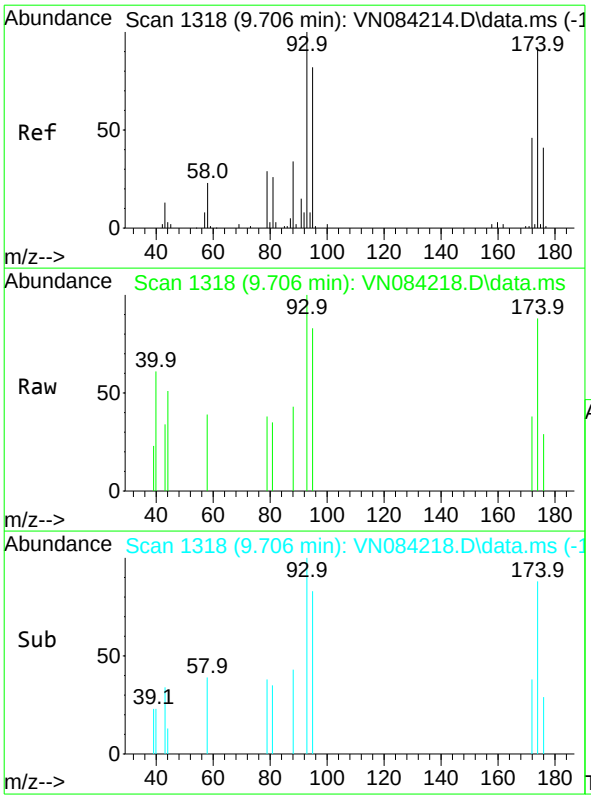


#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

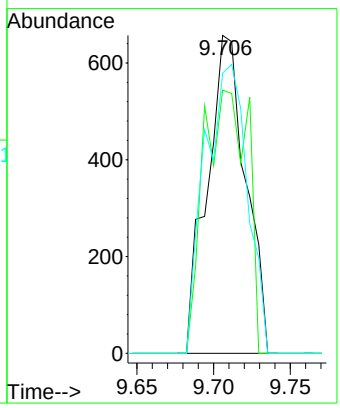




#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 93 Resp: 1144

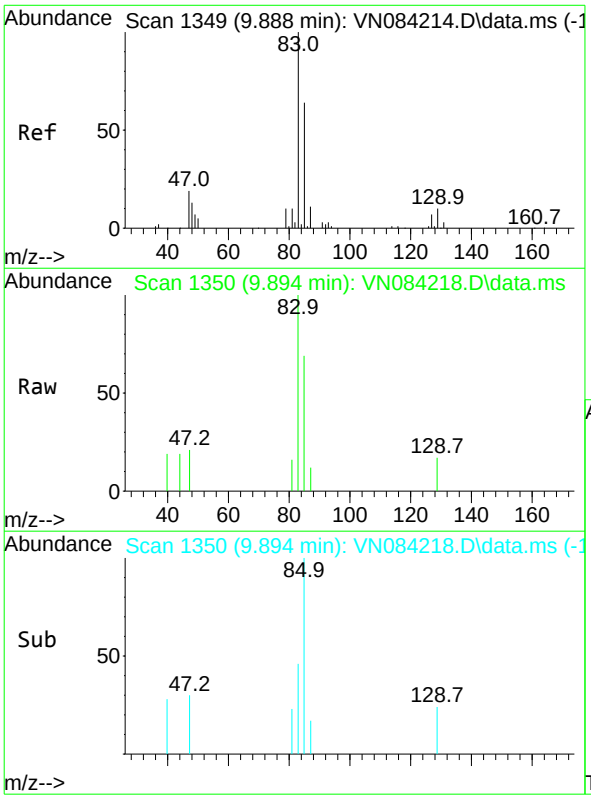
Ion	Ratio	Lower	Upper
93	100		
95	95.1	65.0	97.4
174	100.3	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

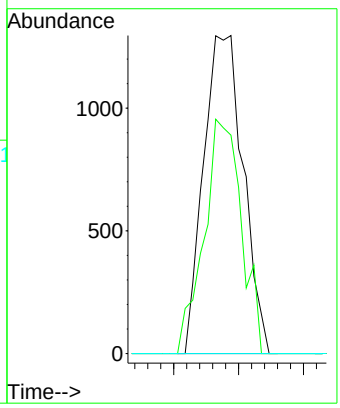
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

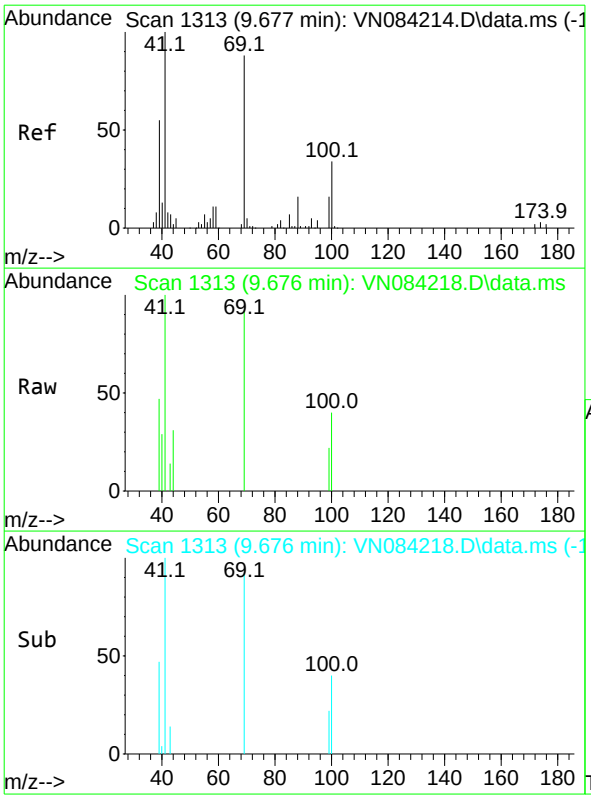


#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

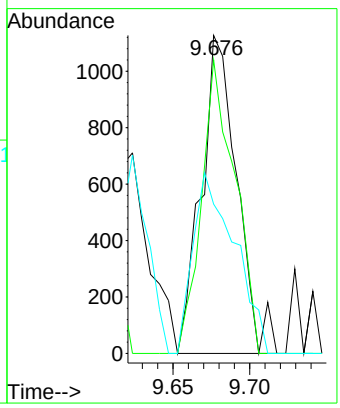




#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 1824

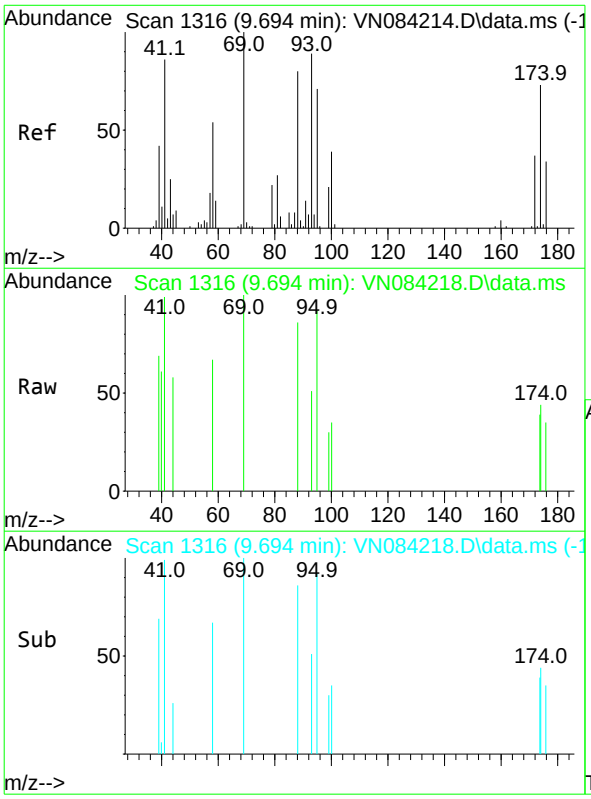
Ion	Ratio	Lower	Upper
41	100		
69	86.5	67.1	100.7
39	66.4	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

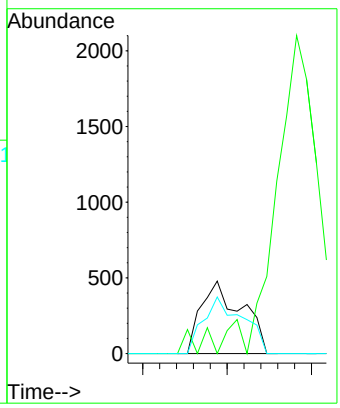
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

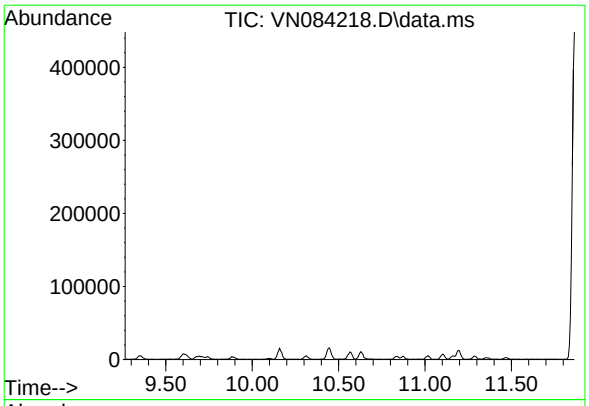


#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

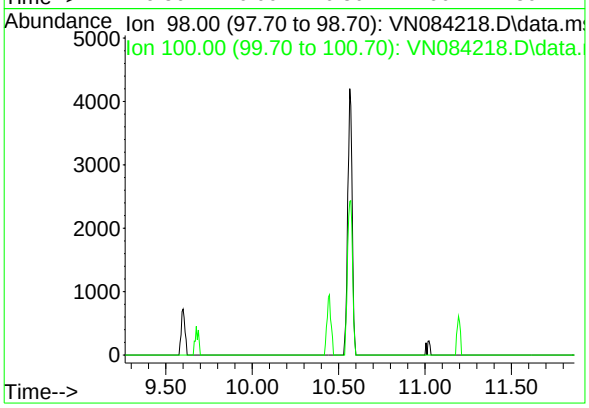
Tgt Ion: 98

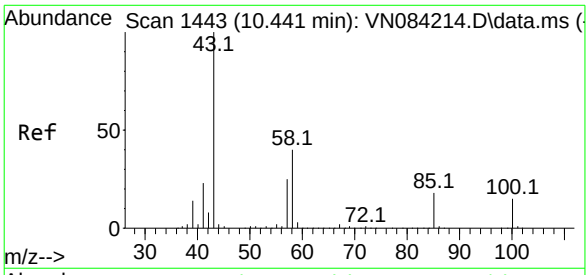
Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

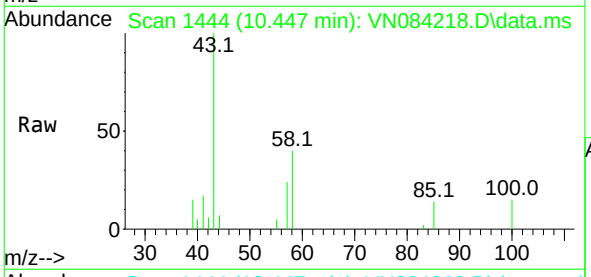


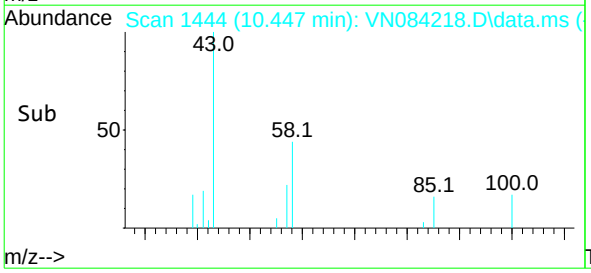


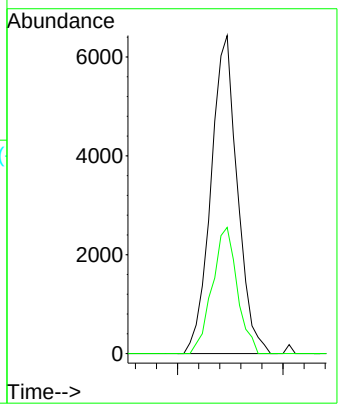
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

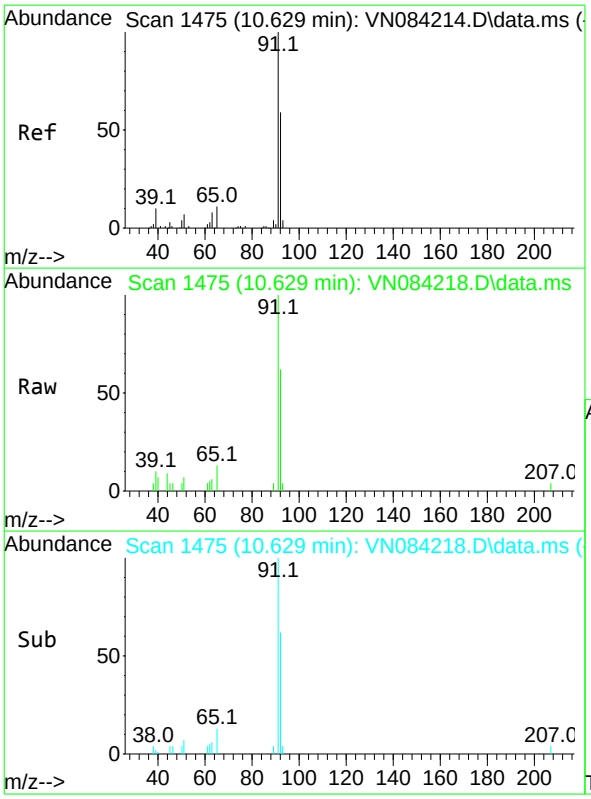
Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4





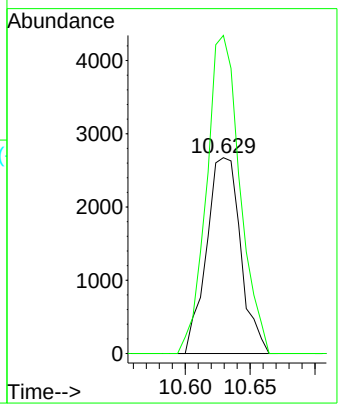




#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

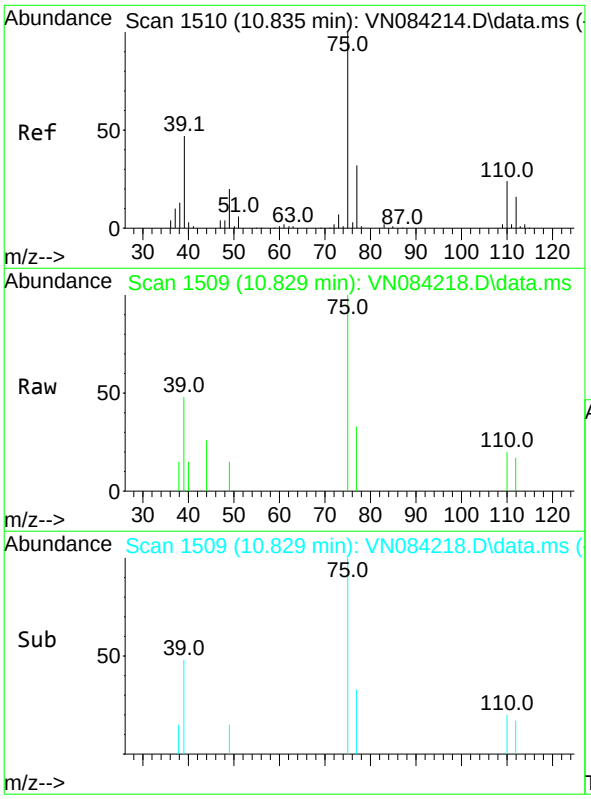
Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

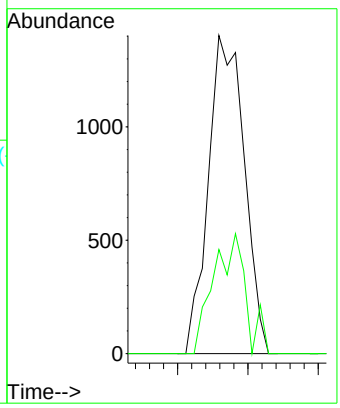
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

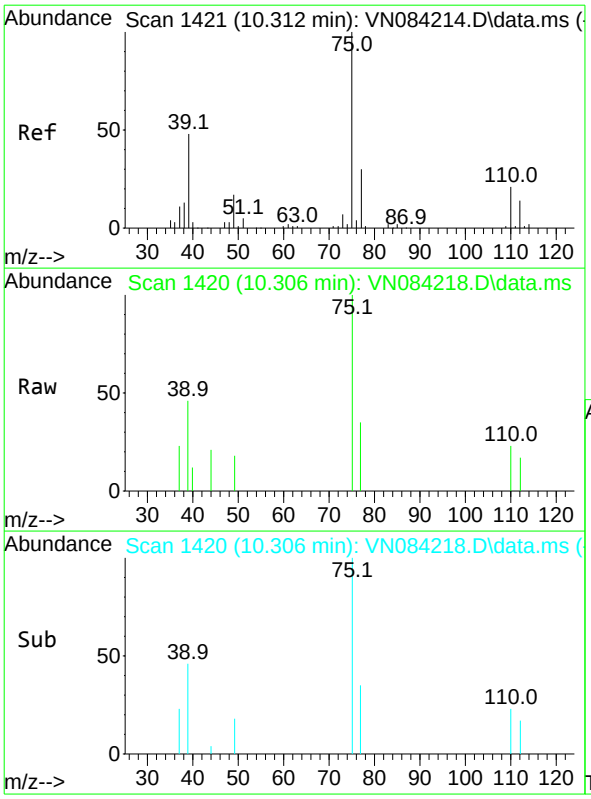


#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

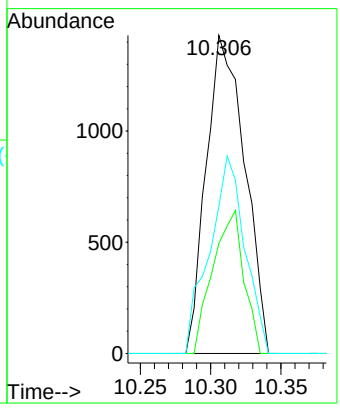




#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2720

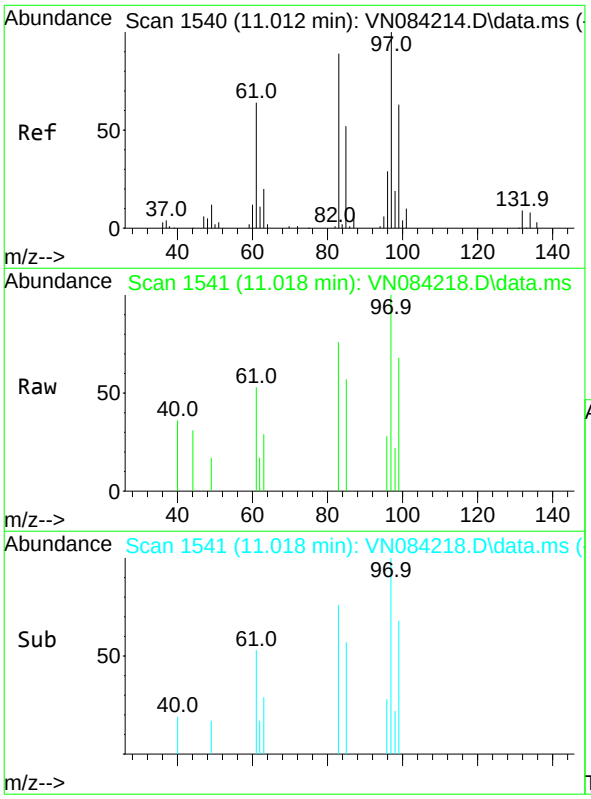
Ion	Ratio	Lower	Upper
75	100		
77	34.6	24.2	36.2
39	46.3	38.7	58.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

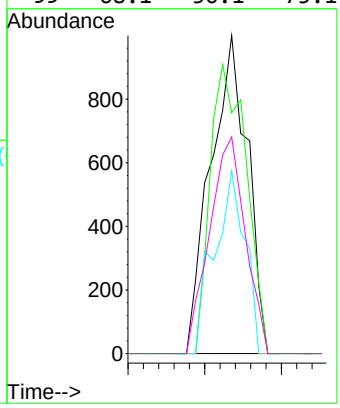
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

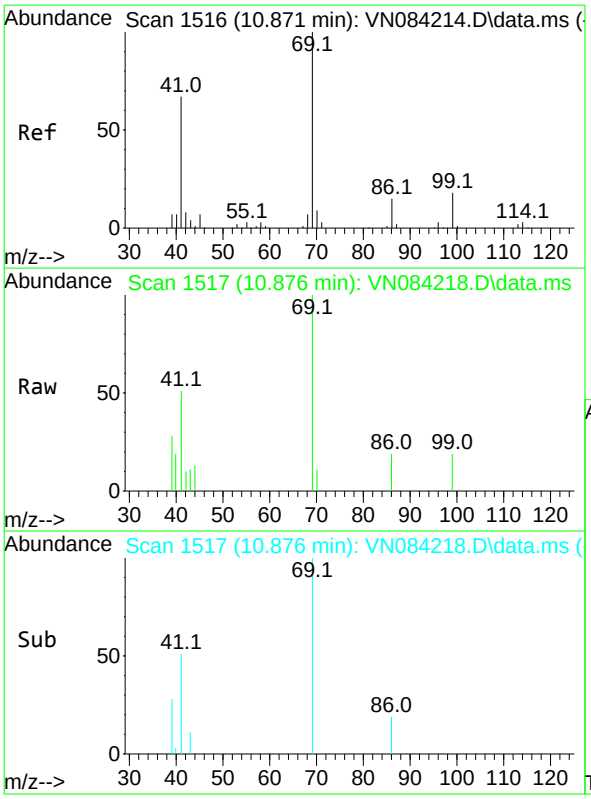


#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

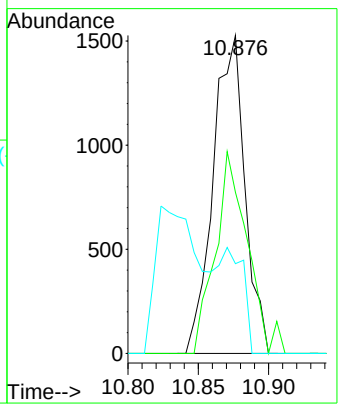




#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 69 Resp: 2402

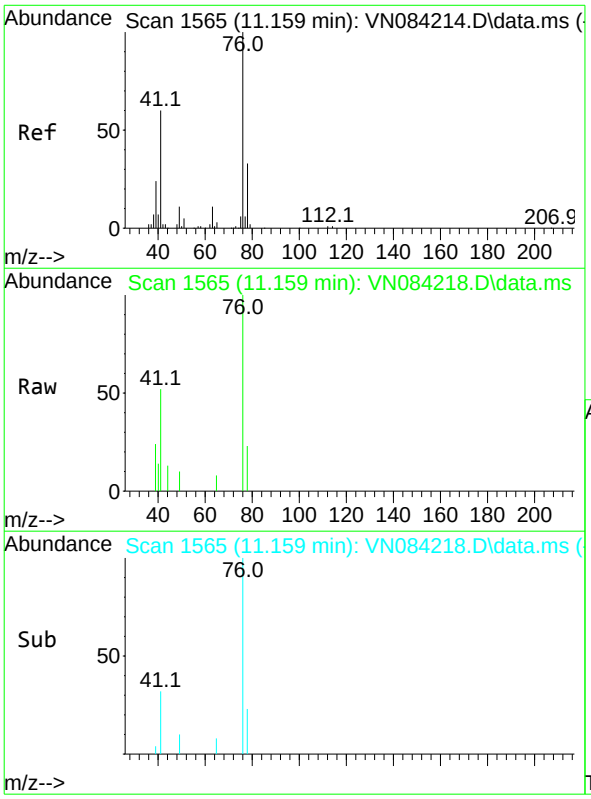
Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

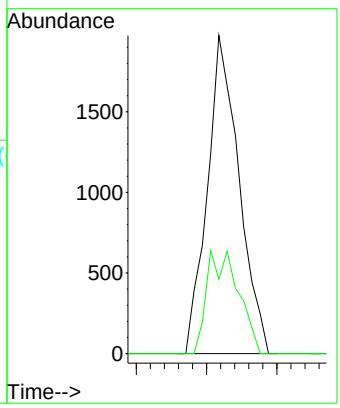
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

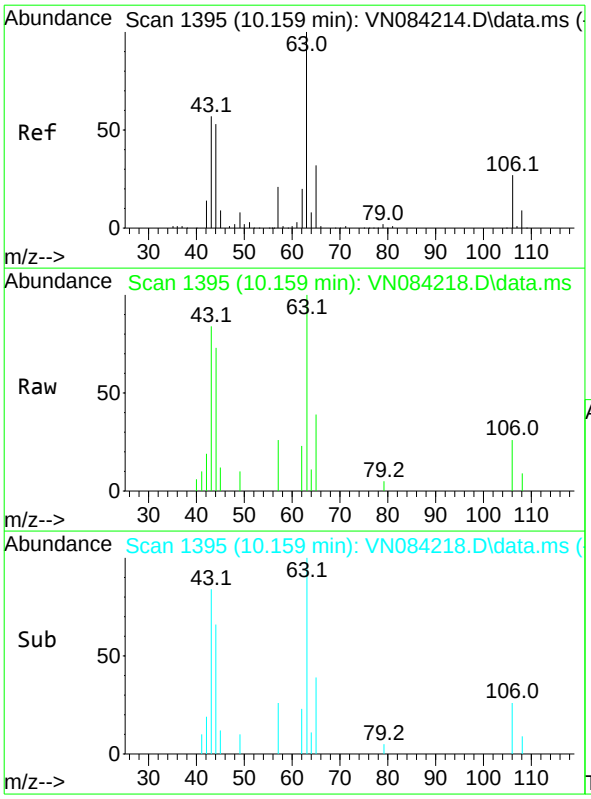


#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 76 Resp: 3092

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

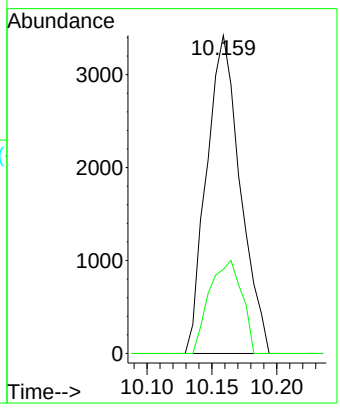




#58
2-Chloroethyl Vinyl ether
Concen: 4.278 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 6179

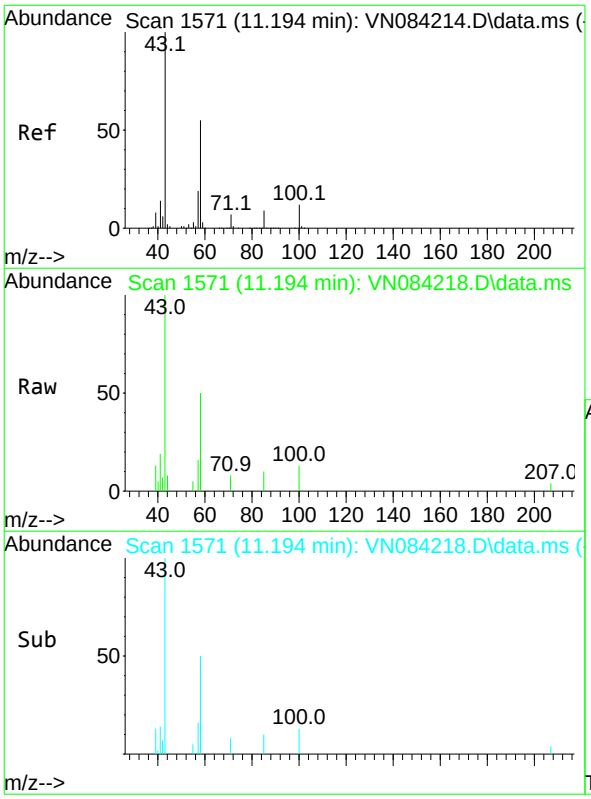
Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

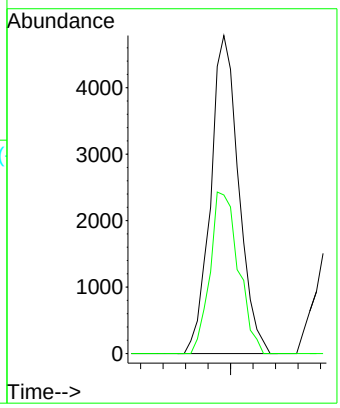
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

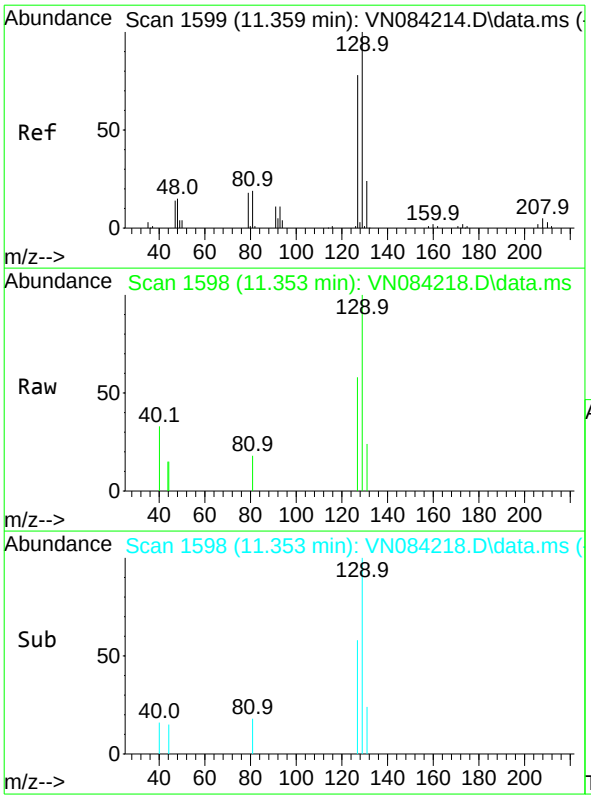


#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

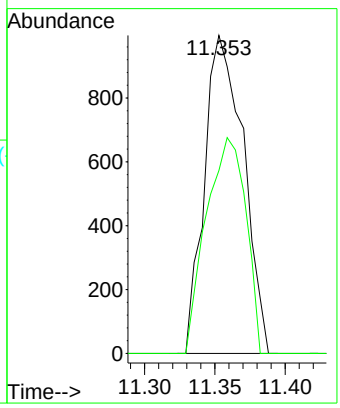




#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

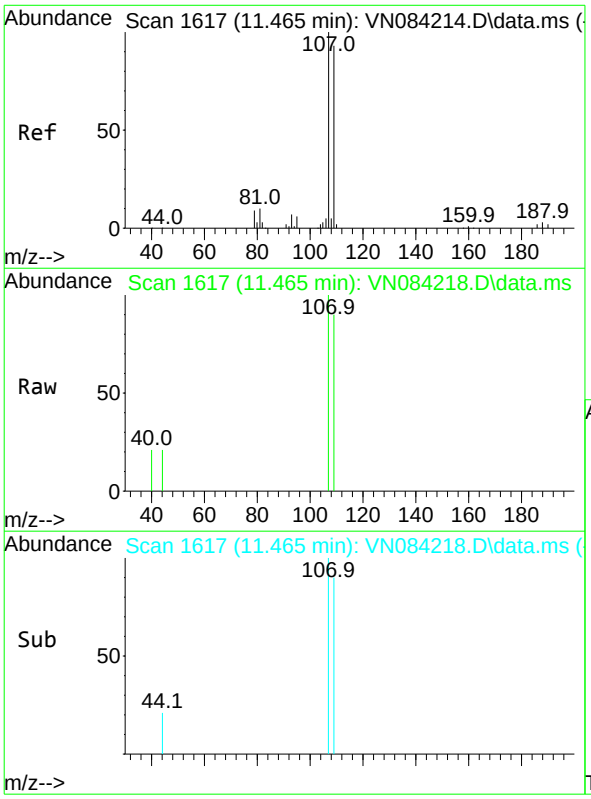
Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

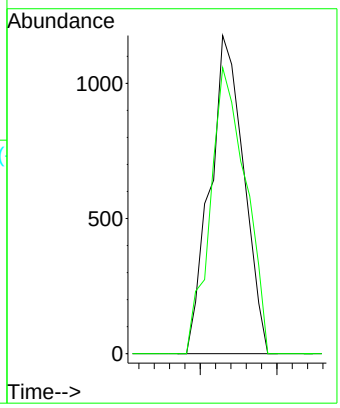
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

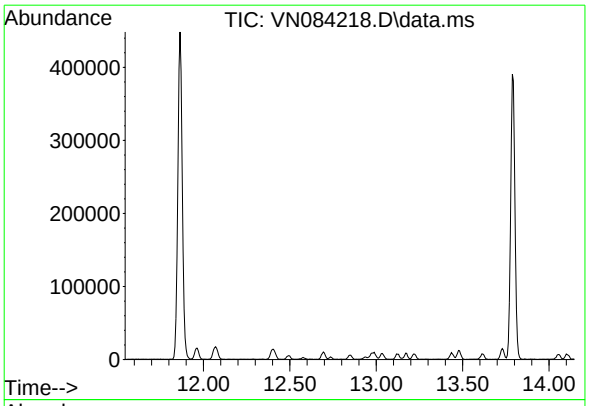


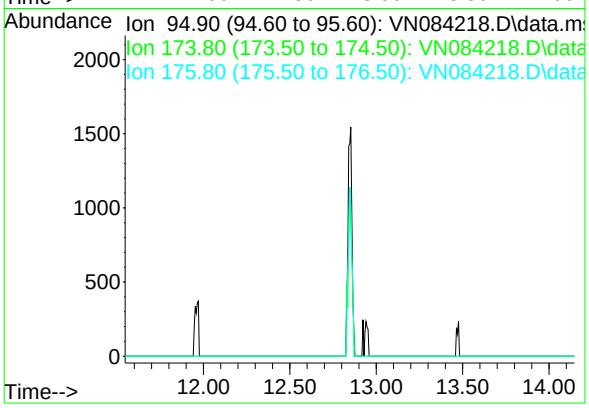
#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

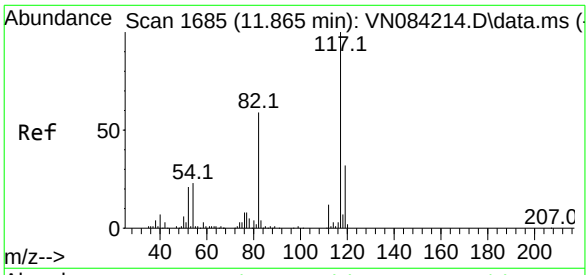
Tgt Ion: 95

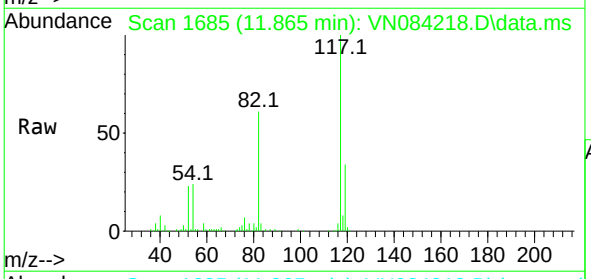
Sig	Exp Ratio
95	100
174	72.6
176	70.0

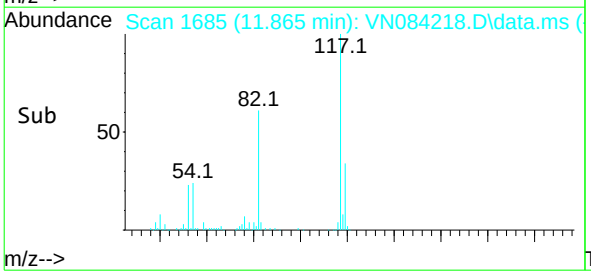
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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



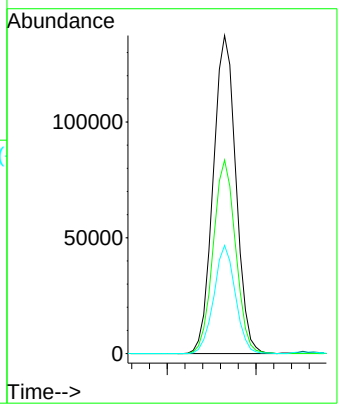


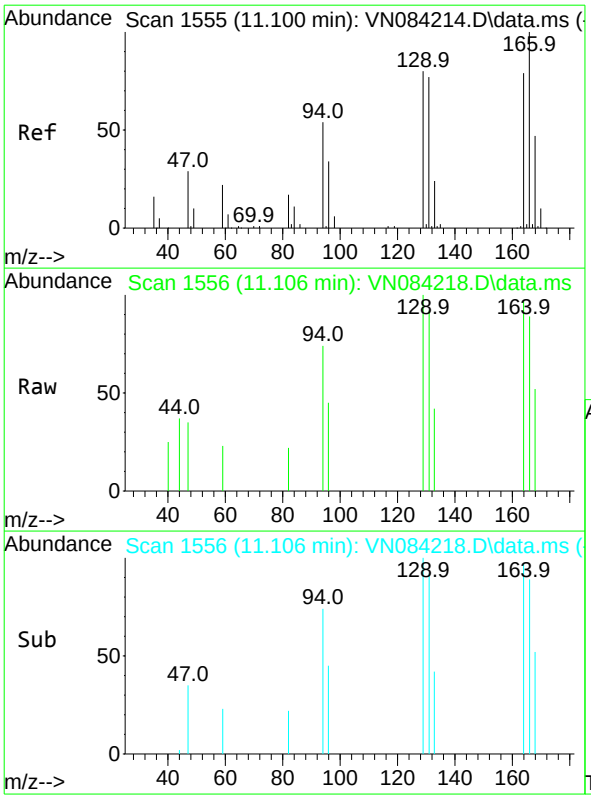


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

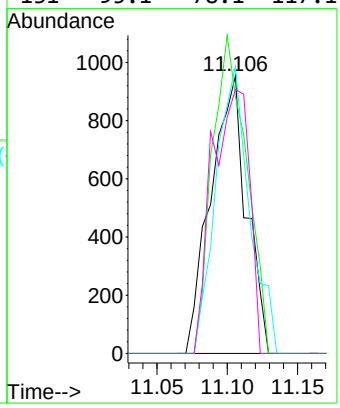




#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:164 Resp: 1690

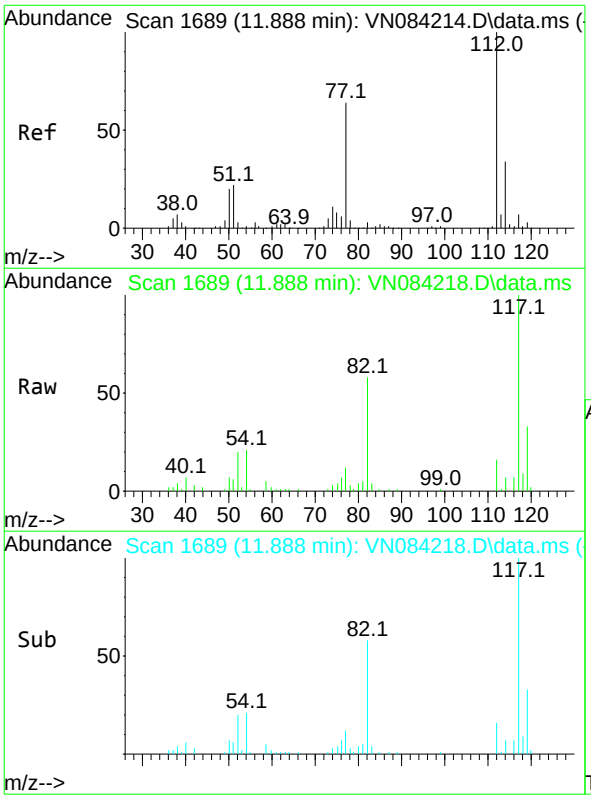
Ion	Ratio	Lower	Upper
164	100		
166	92.5	101.0	151.4#
129	103.5	80.8	121.2
131	95.1	78.1	117.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

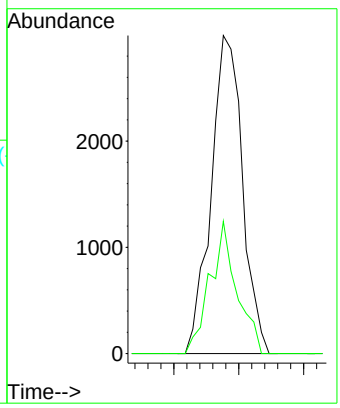
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

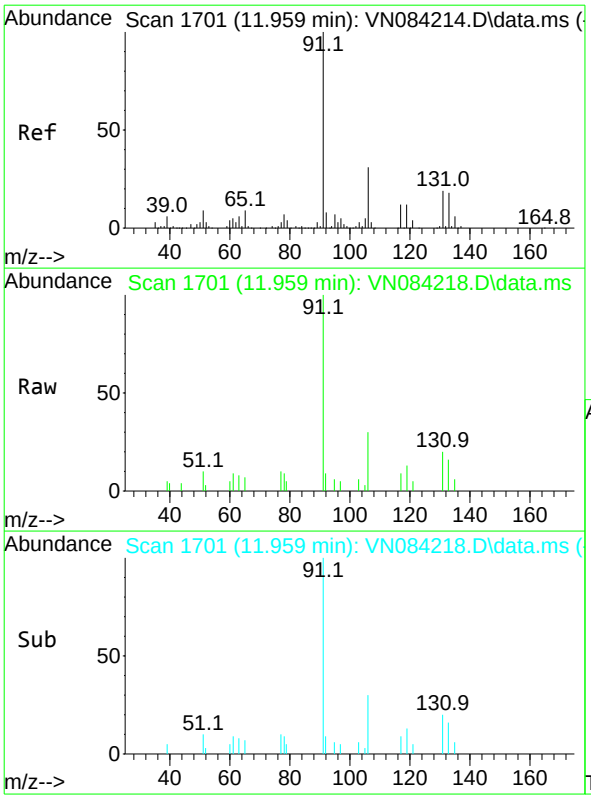


#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

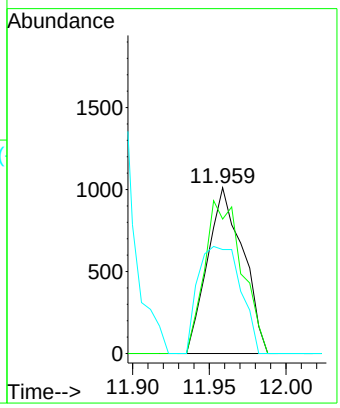




#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:131 Resp: 1632

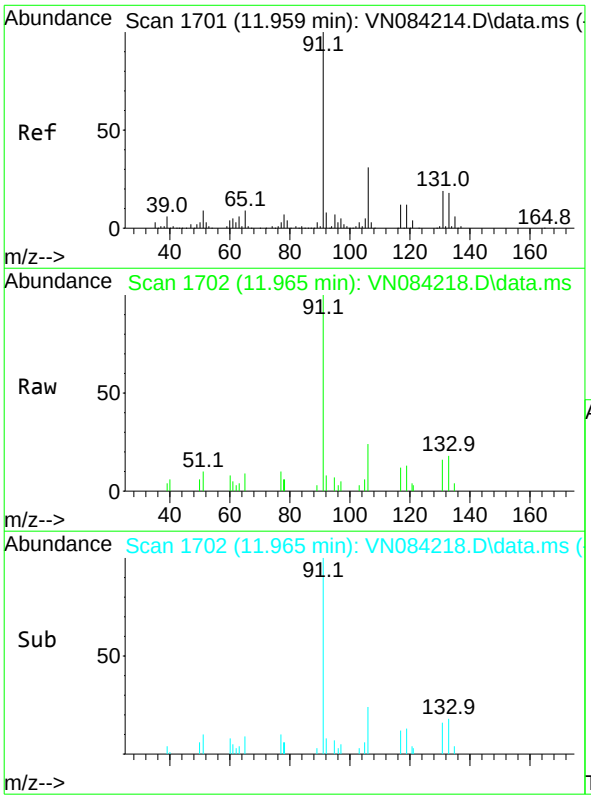
Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

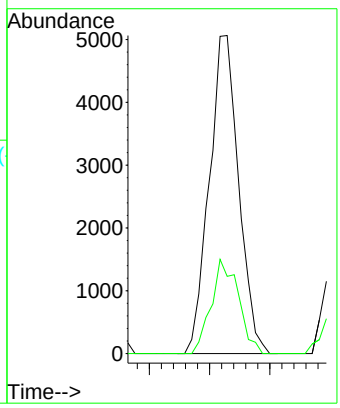
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

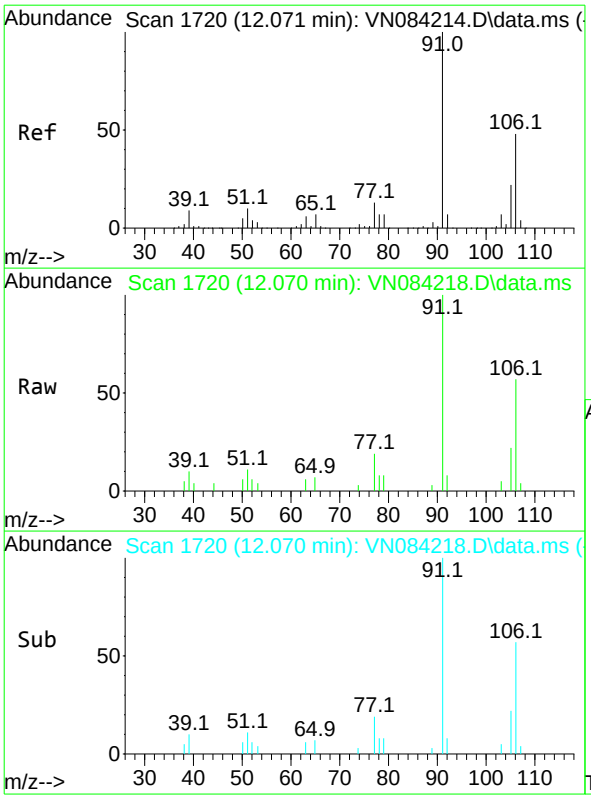


#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

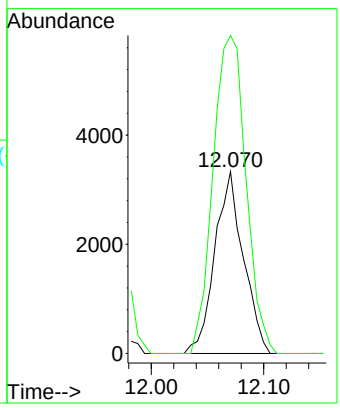




#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

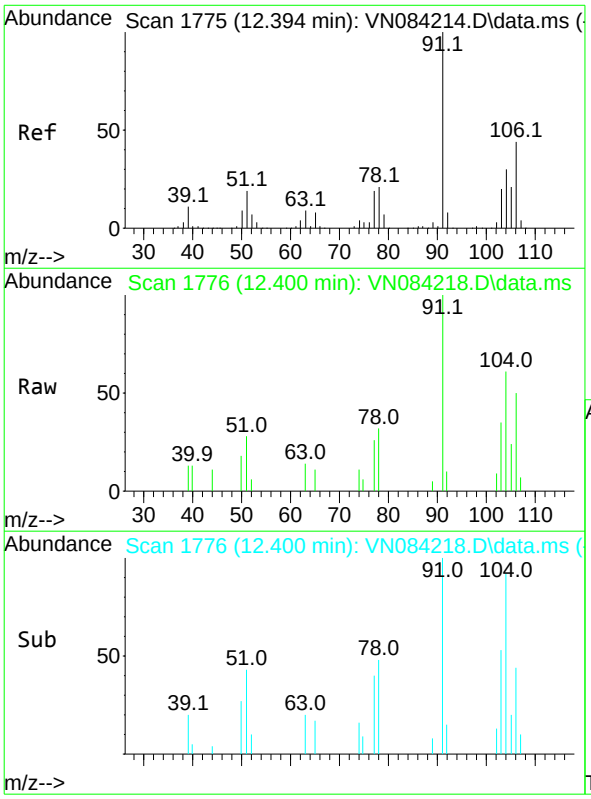
Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

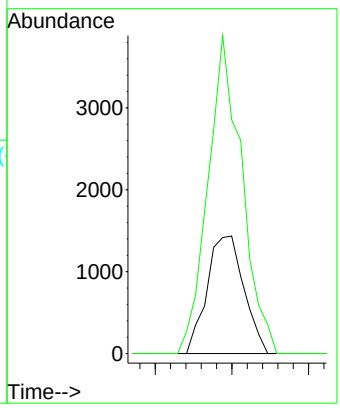
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

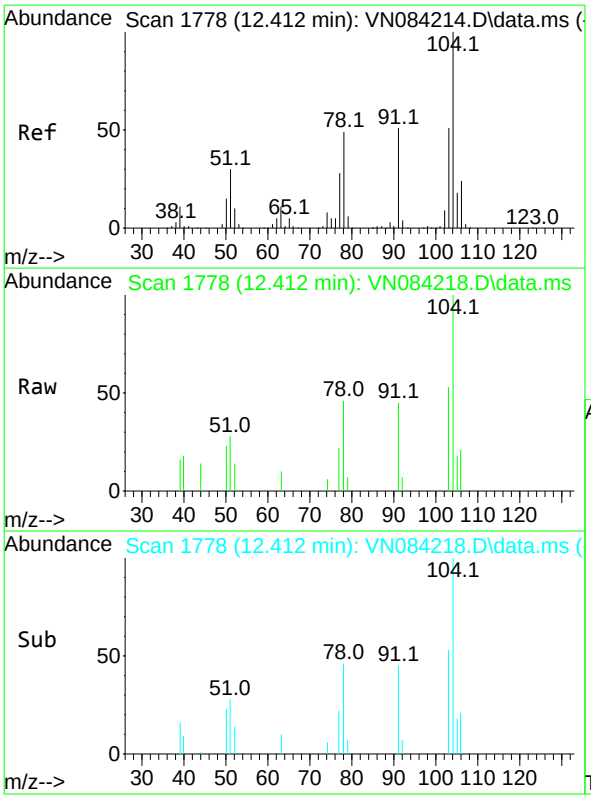


#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

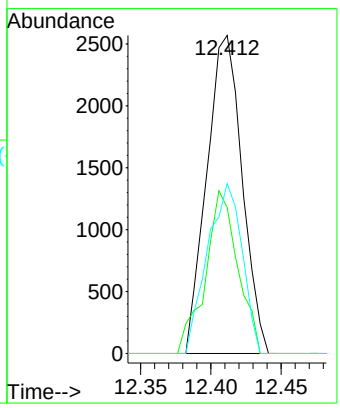




#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:104 Resp: 4489

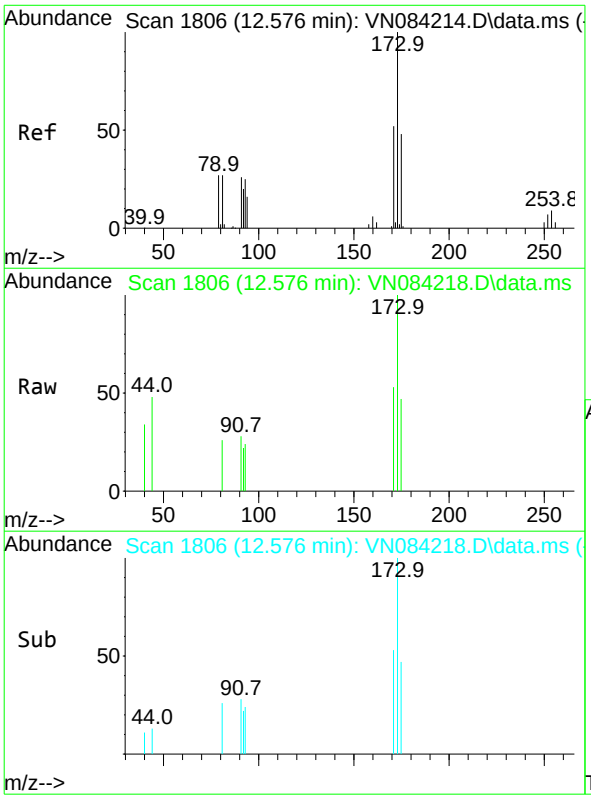
Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.7	64.1
103	52.2	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

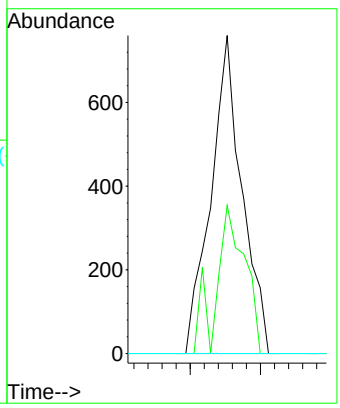
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

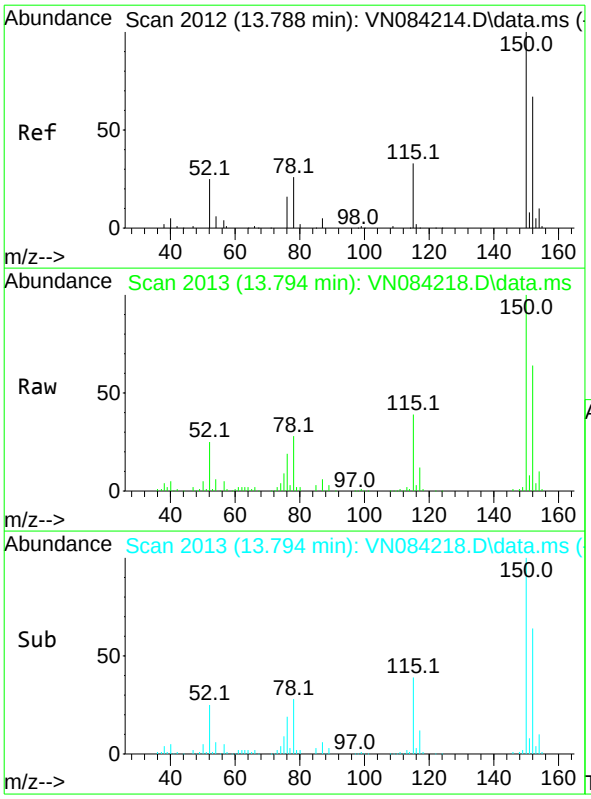


#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

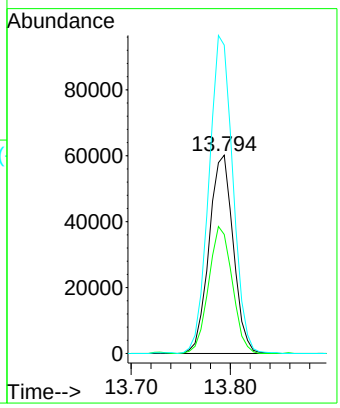




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:152 Resp: 101963

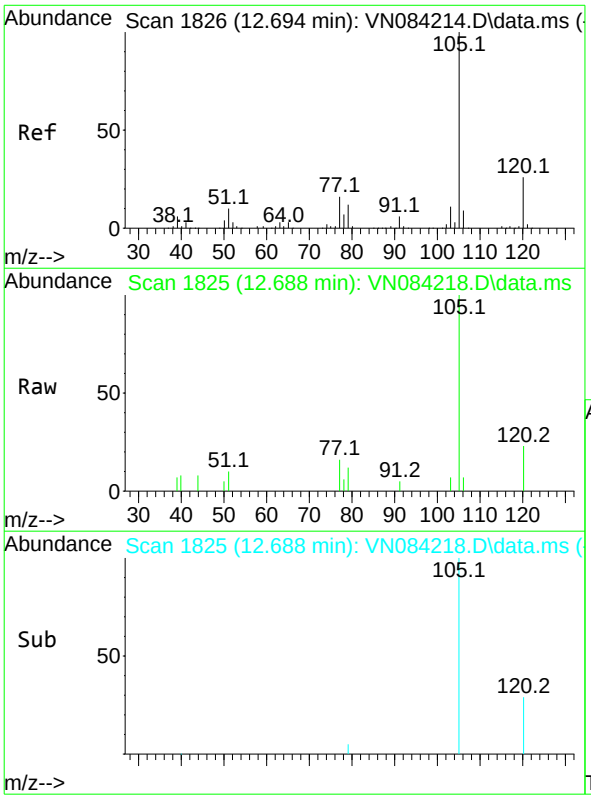
Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	159.0	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

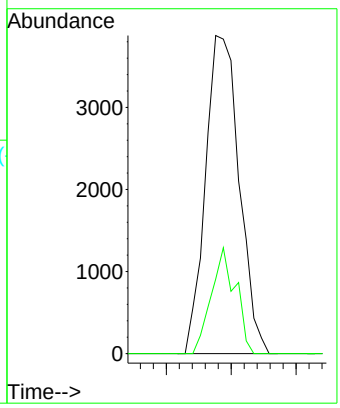
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

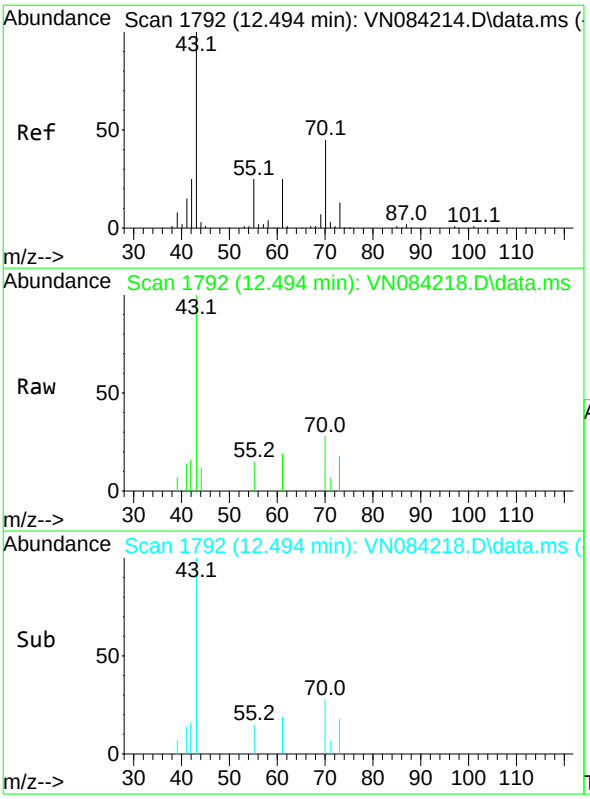


#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

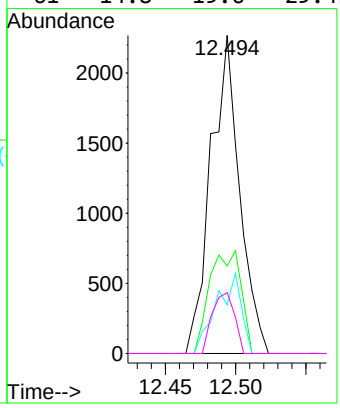




#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 3228

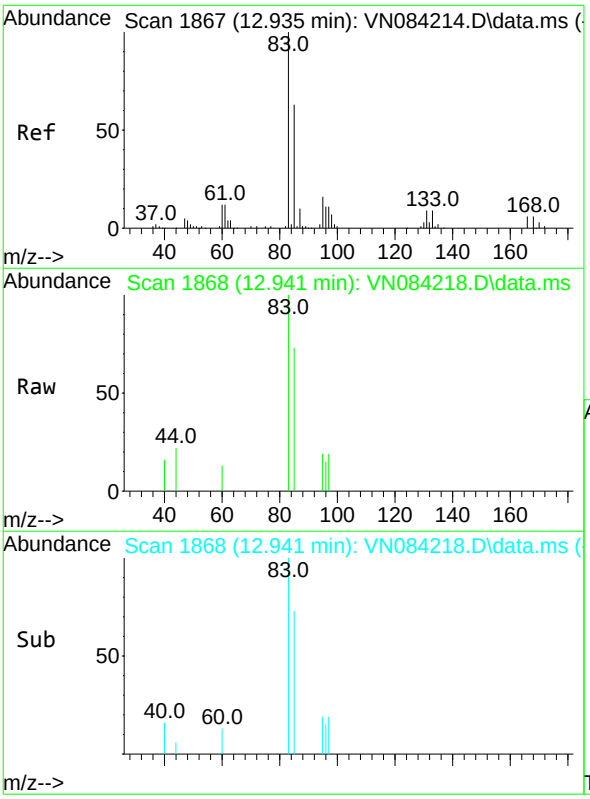
Ion	Ratio	Lower	Upper
43	100		
70	35.2	34.4	51.6
55	21.8	19.6	29.4
61	14.8	19.6	29.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

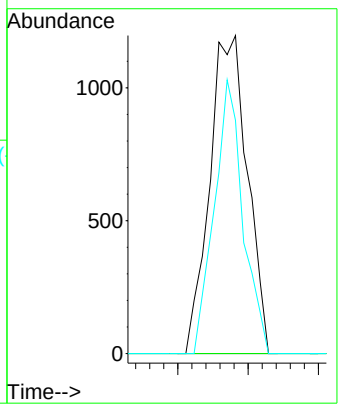
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

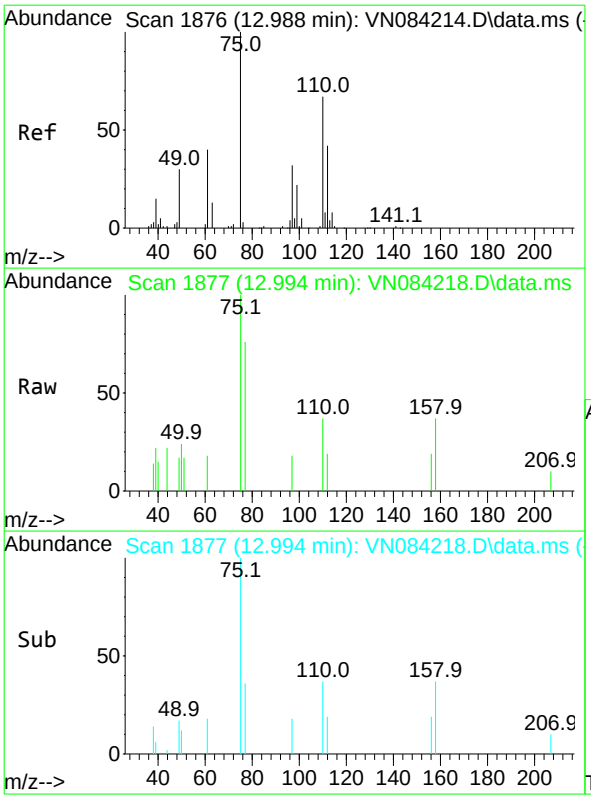


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

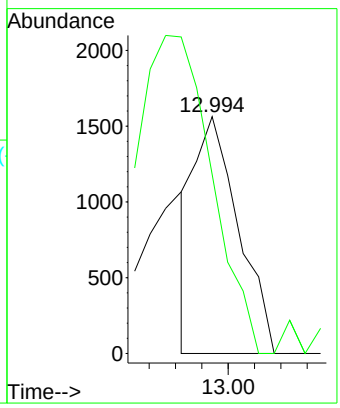




#76
1,2,3-Trichloropropane
Concen: 0.899 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 1826

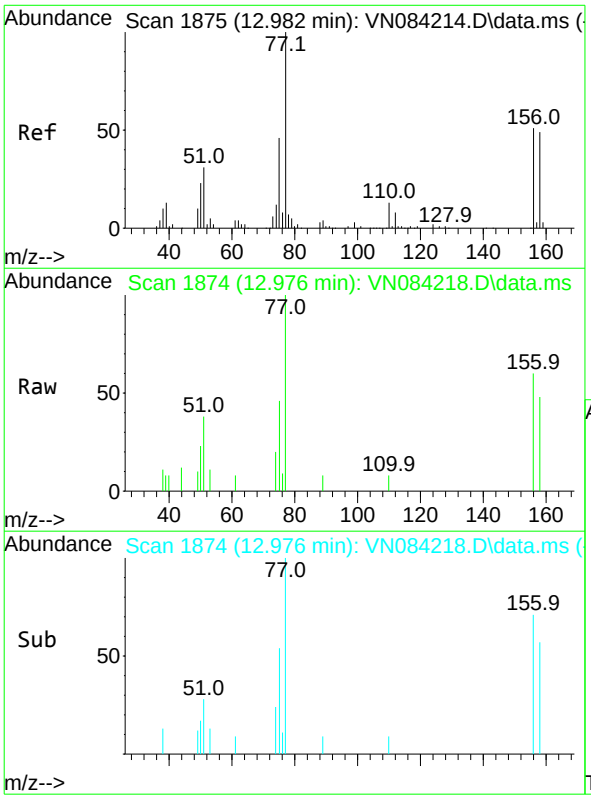
Ion	Ratio	Lower	Upper
75	100		
77	231.3	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

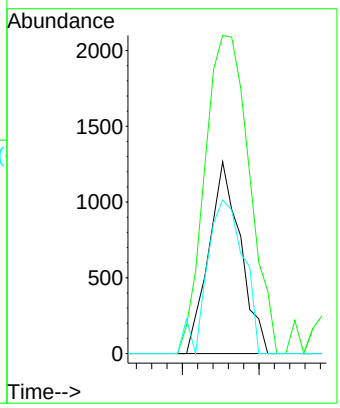
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

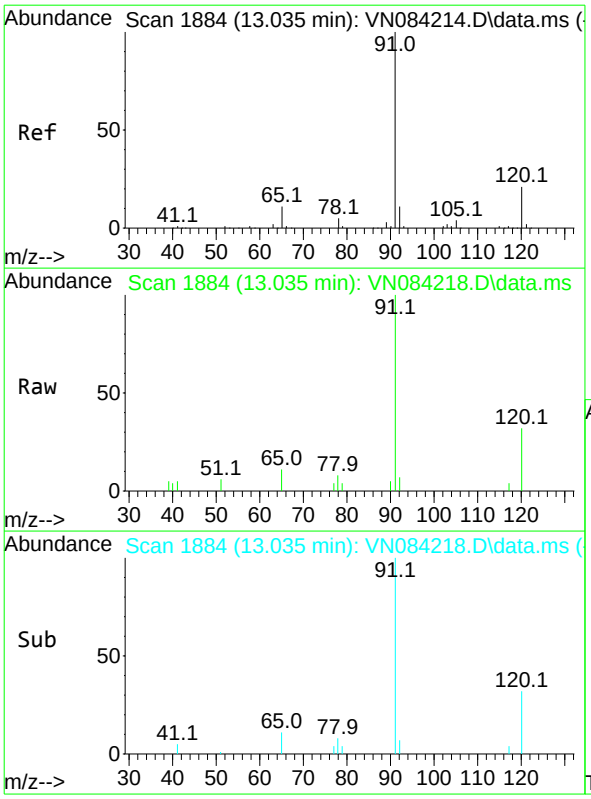


#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

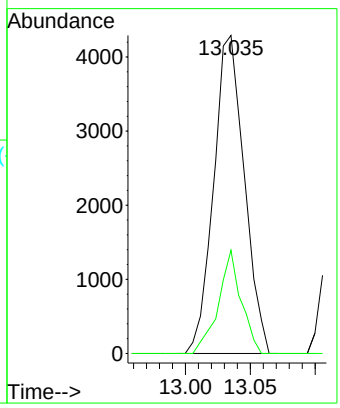




#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

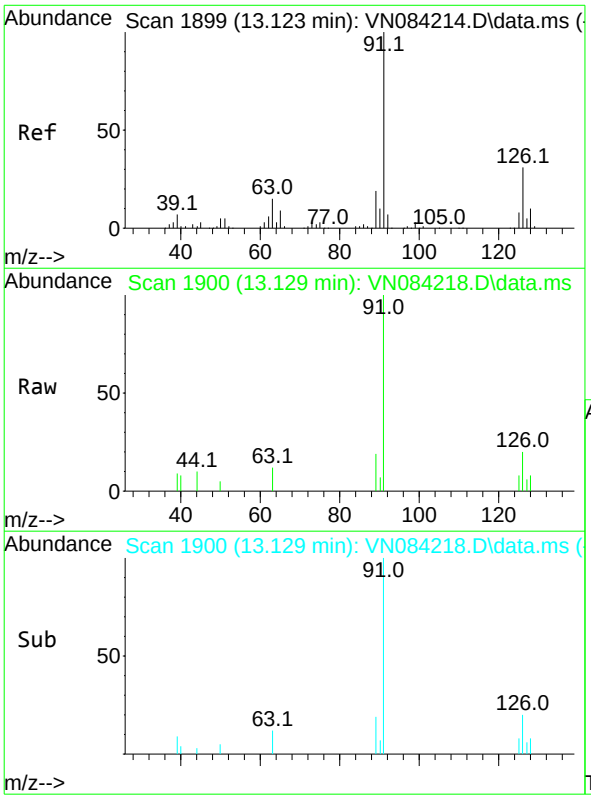
Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

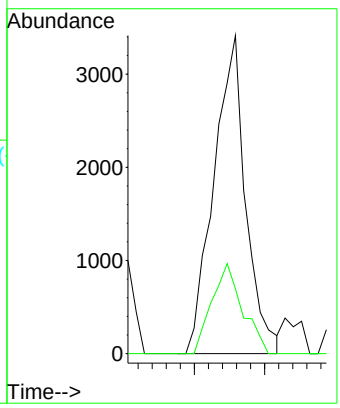
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

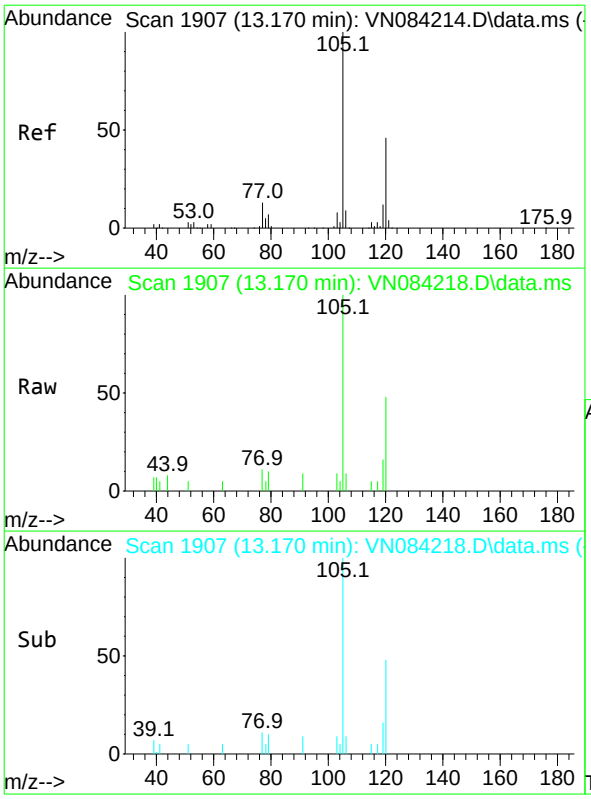


#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

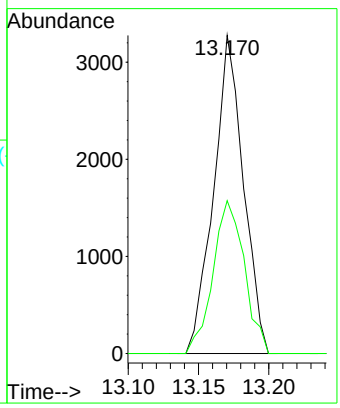




#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

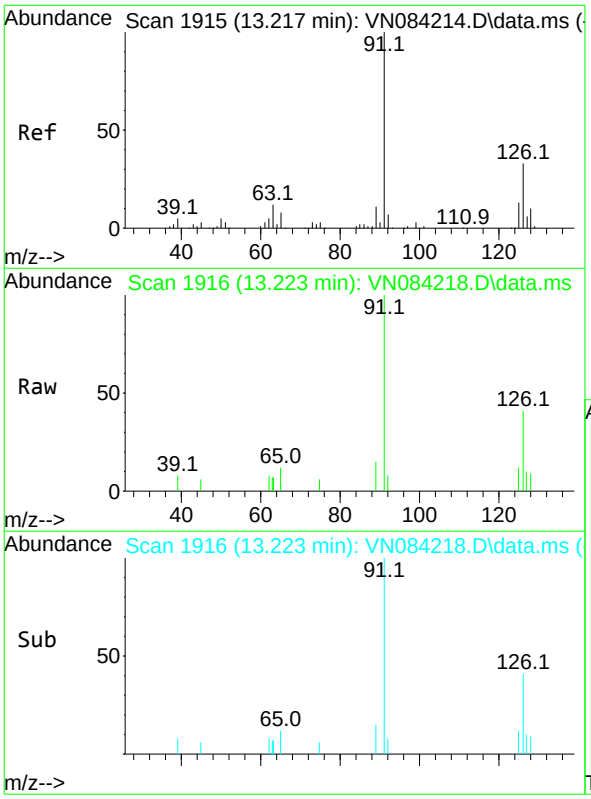
Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

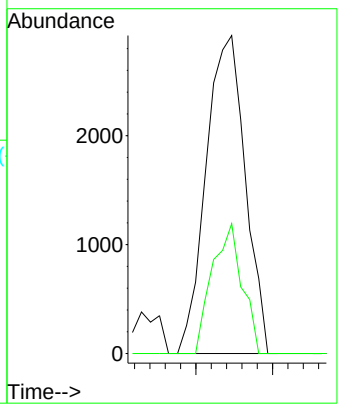
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

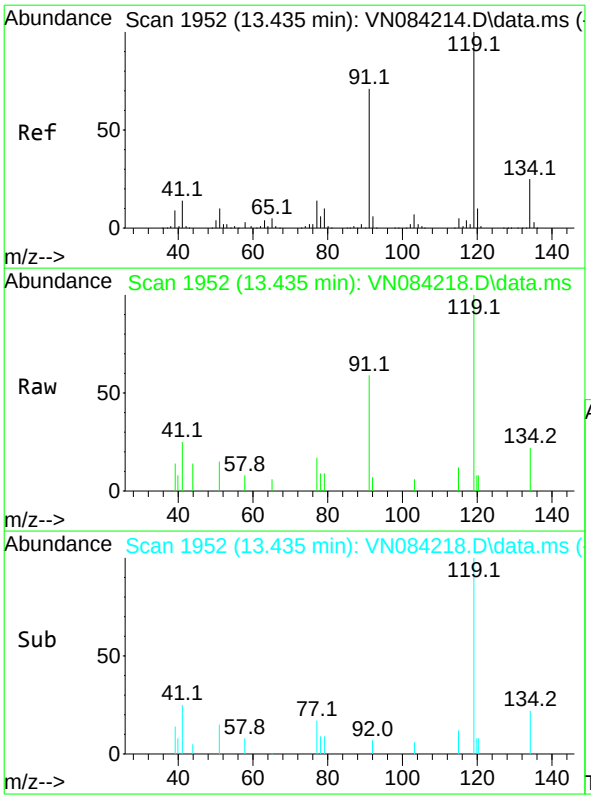


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

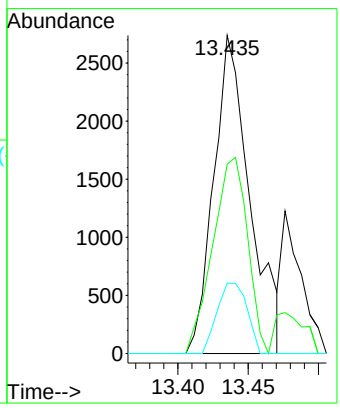




#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:119 Resp: 4909

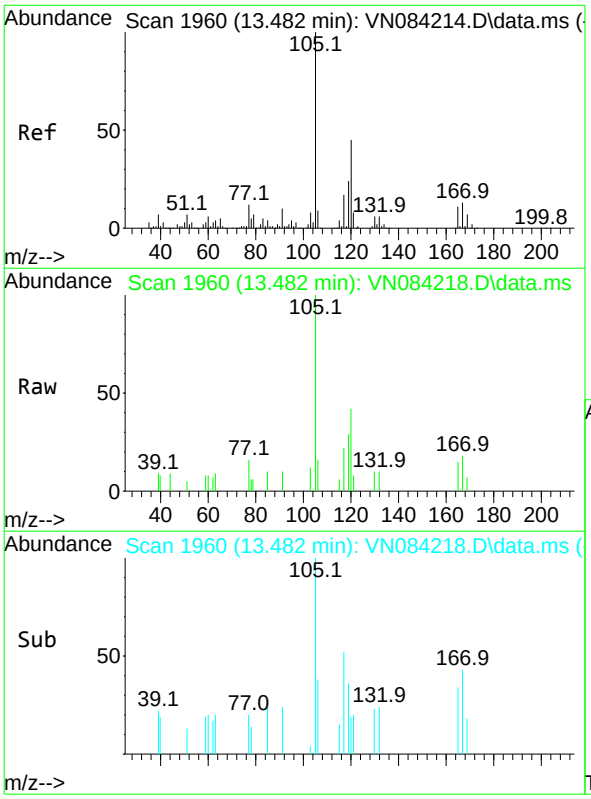
Ion	Ratio	Lower	Upper
119	100		
91	59.0	34.1	102.3
134	18.3	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

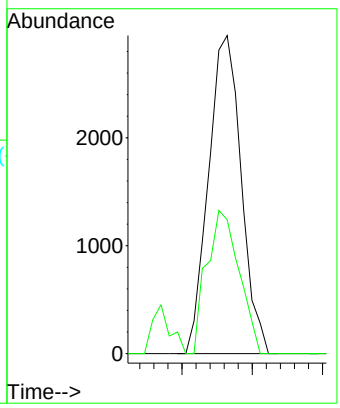
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

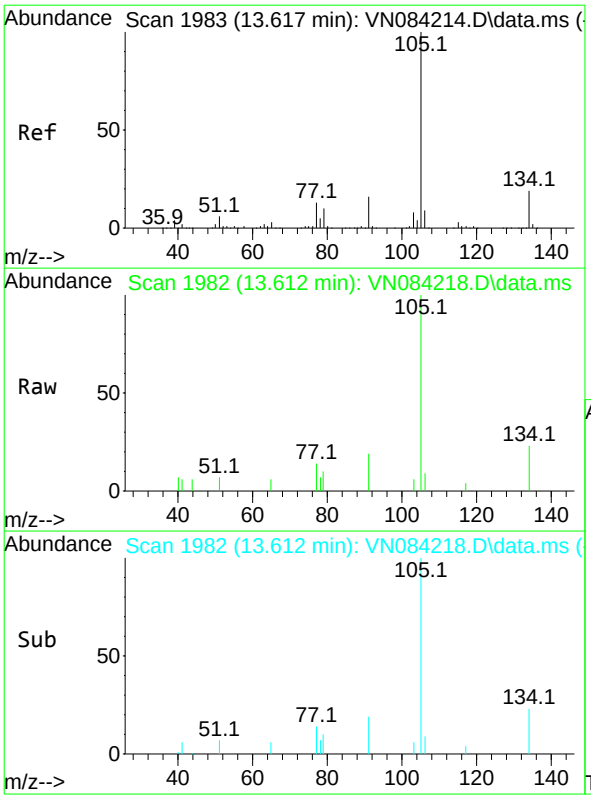


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8

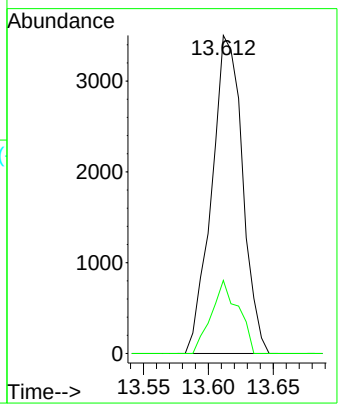




#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 5795

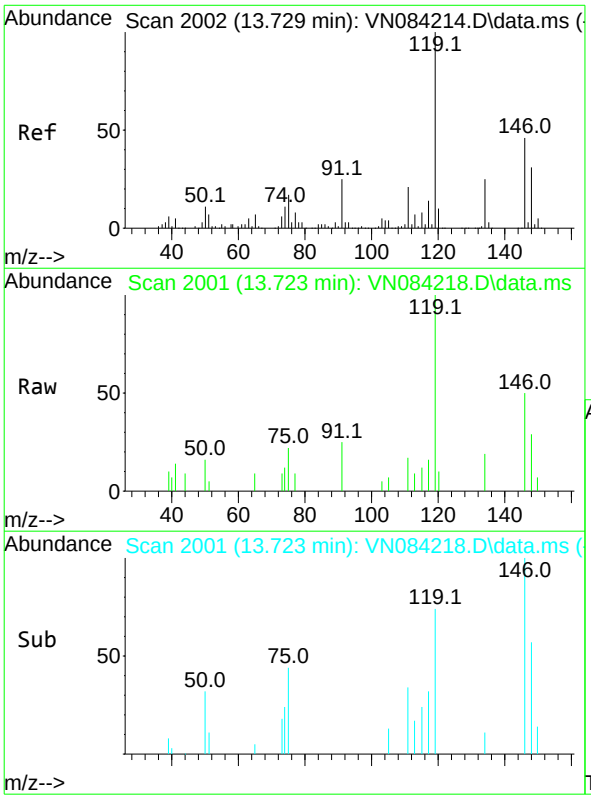
Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

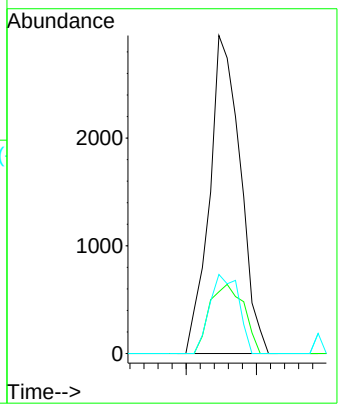
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

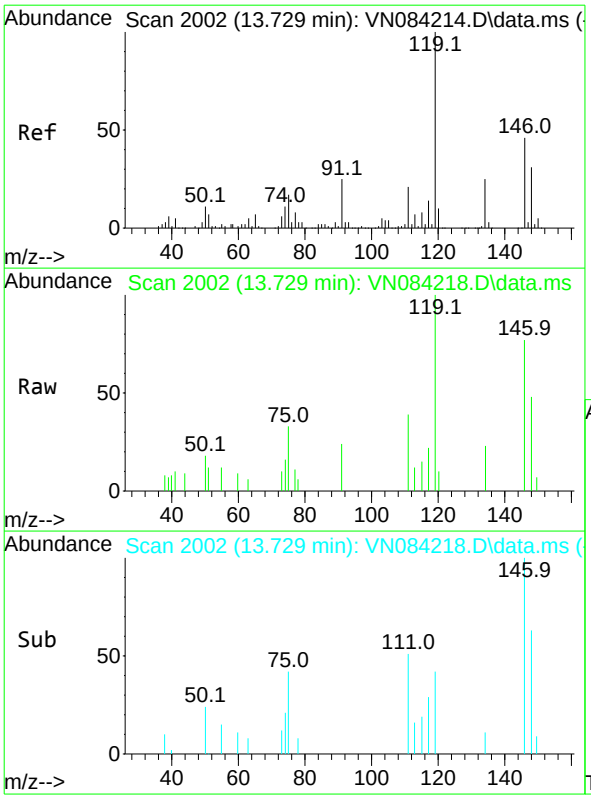


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

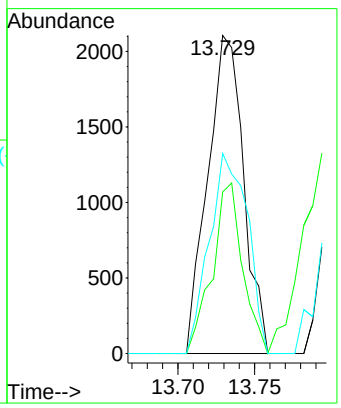




#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3424

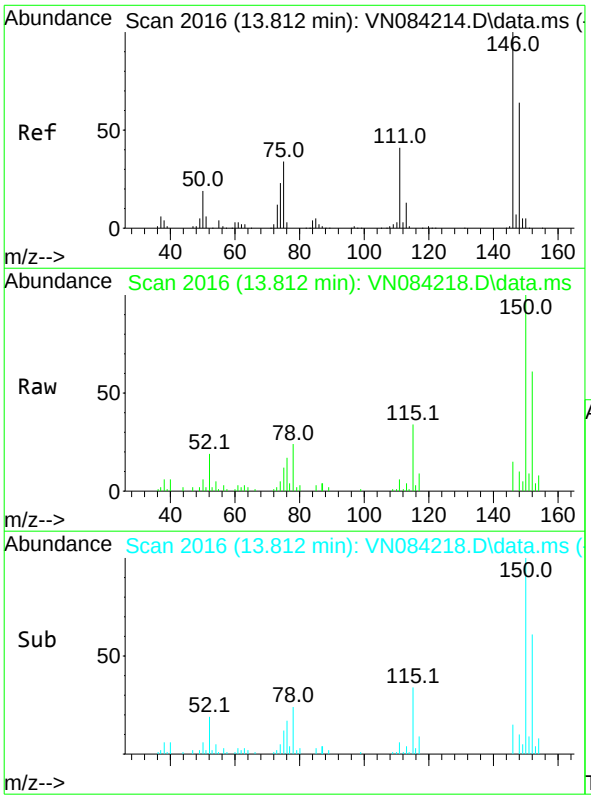
Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	67.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

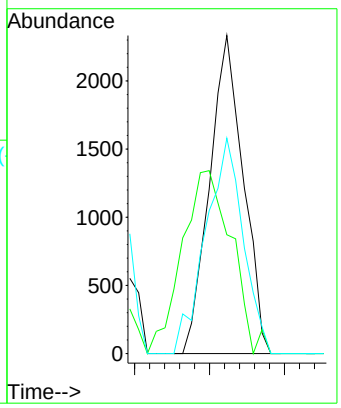
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

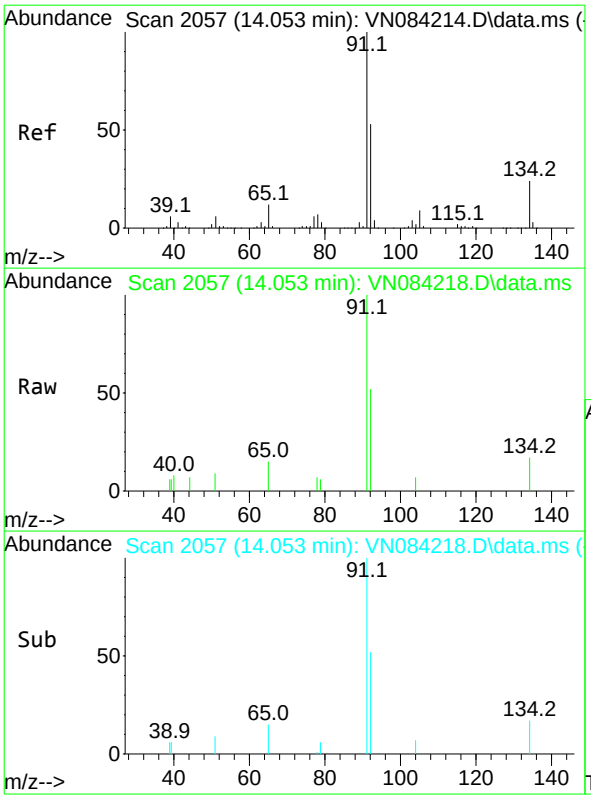


#88
1,4-Dichlorobenzene
Concen: 1.026 ug/l m
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

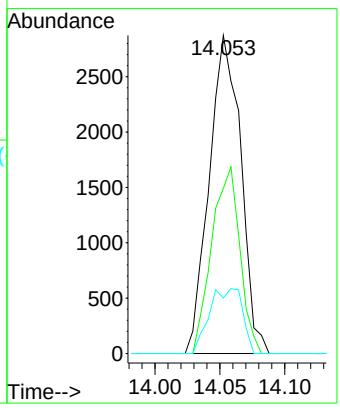




#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 4866

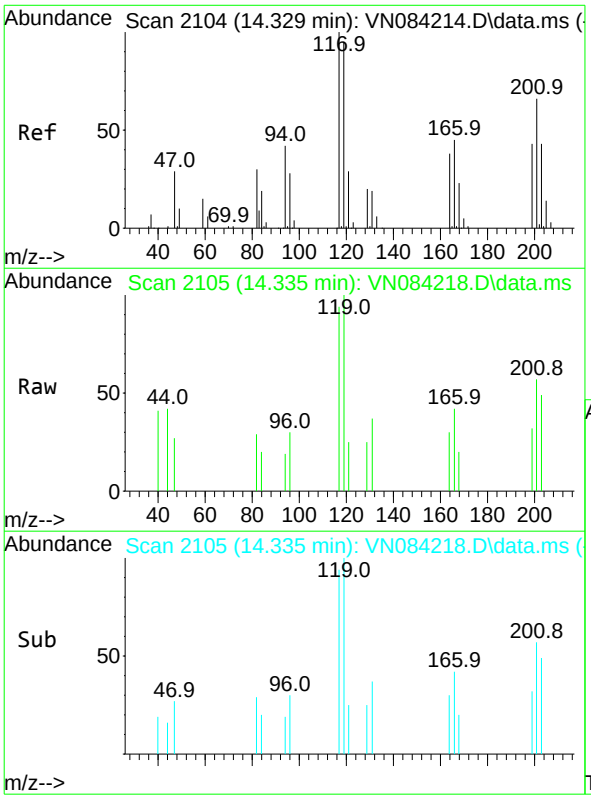
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	21.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

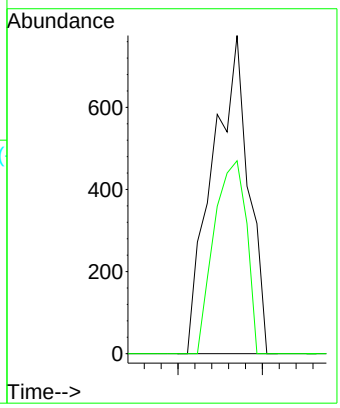
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

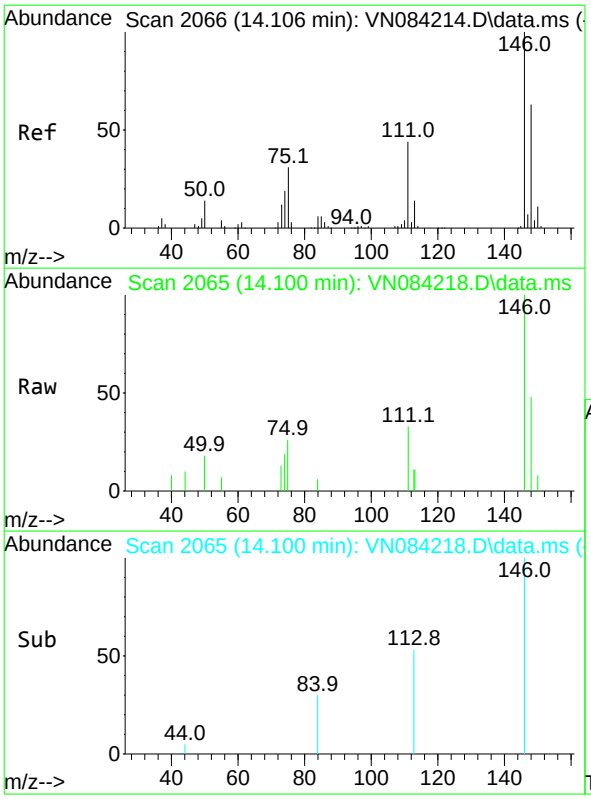


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2

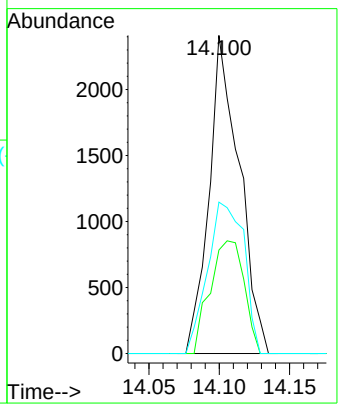




#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3610

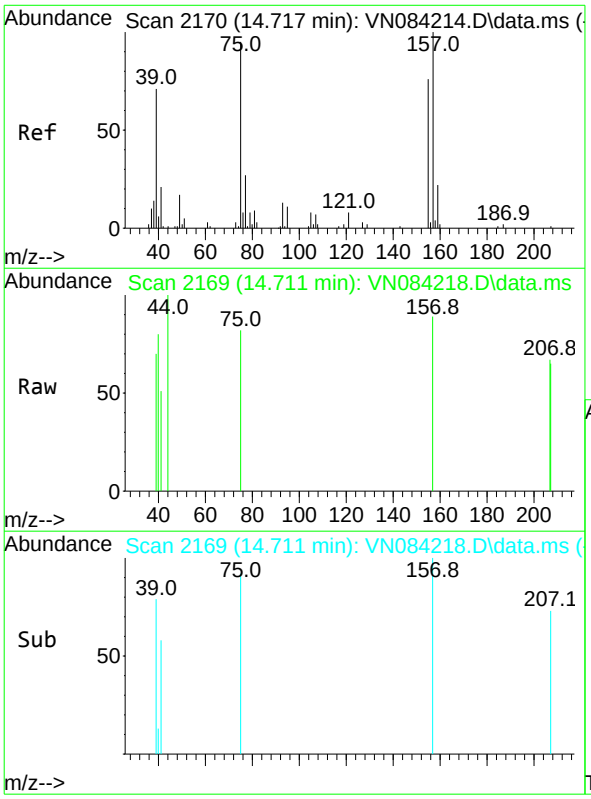
Ion	Ratio	Lower	Upper
146	100		
111	39.9	22.0	66.0
148	57.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

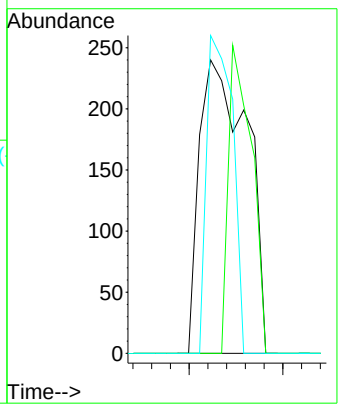
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

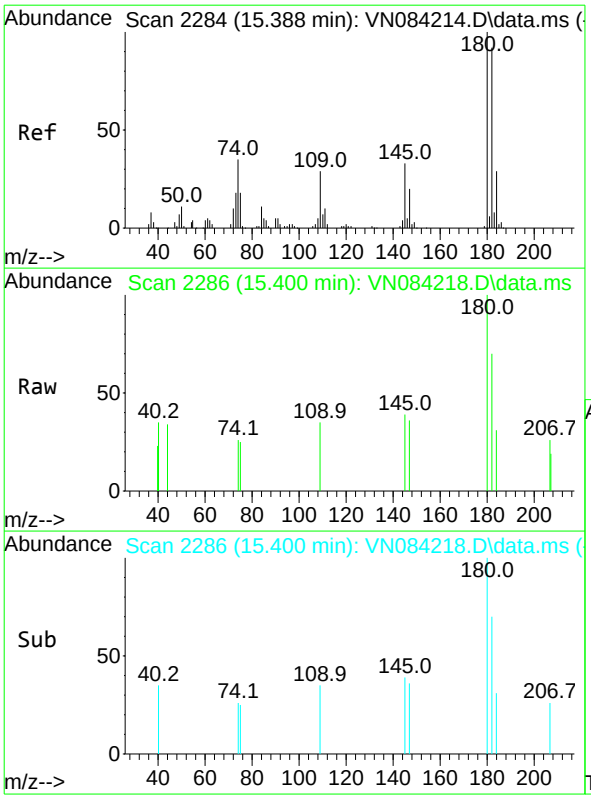


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

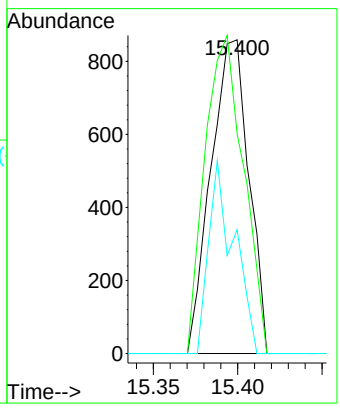




#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 22
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:180 Resp: 1340

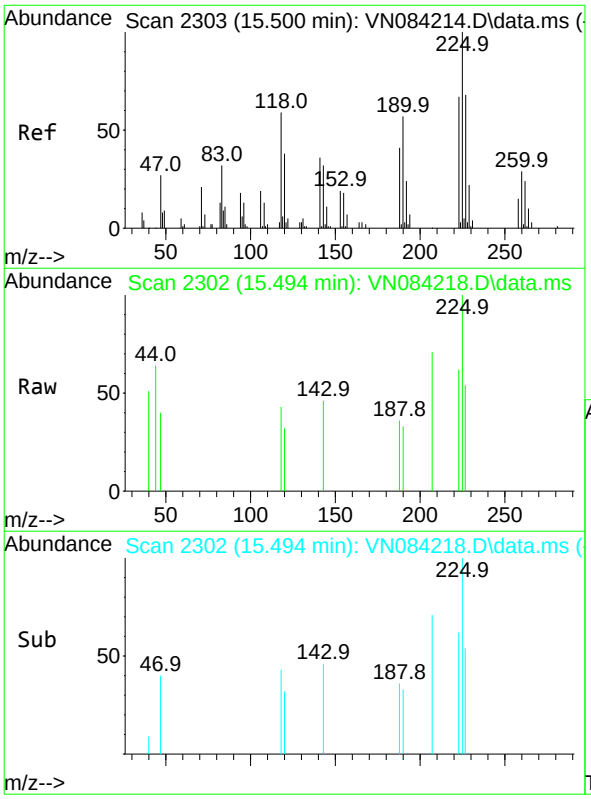
Ion	Ratio	Lower	Upper
180	100		
182	103.0	47.0	141.0
145	41.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

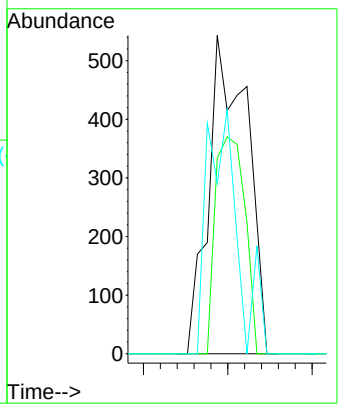
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

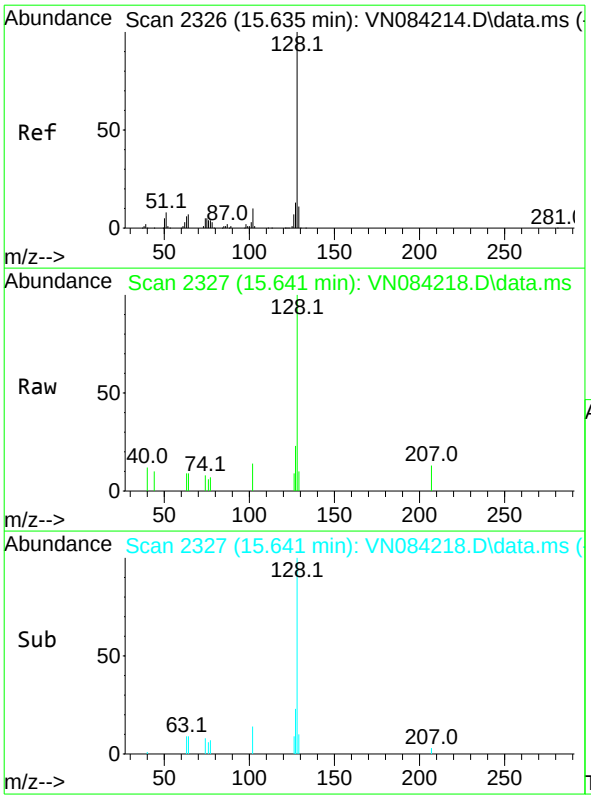


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

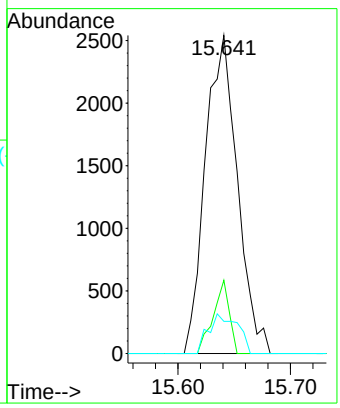




#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:128 Resp: 5031

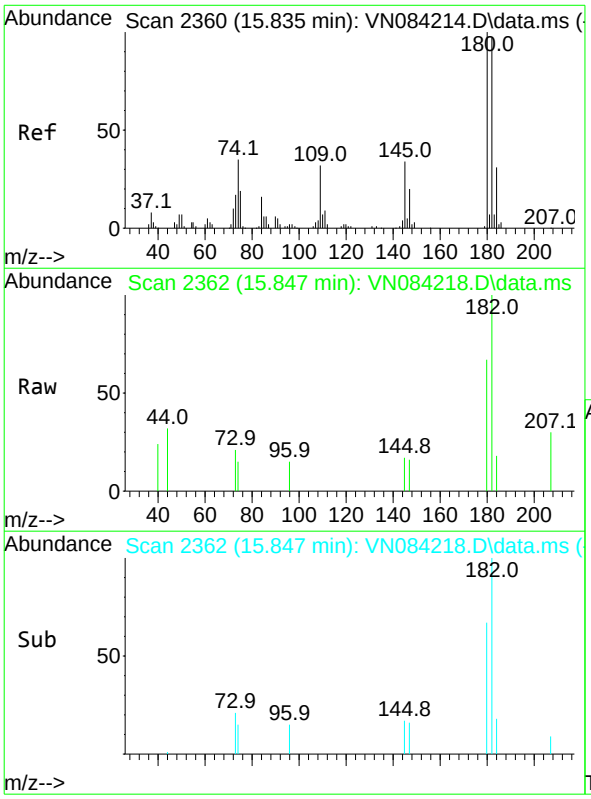
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	11.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

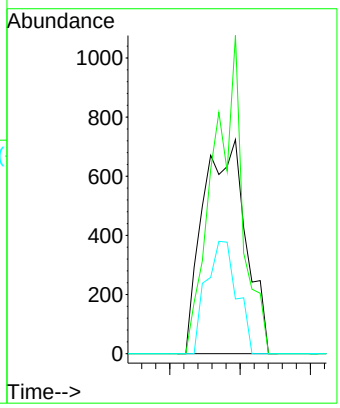
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

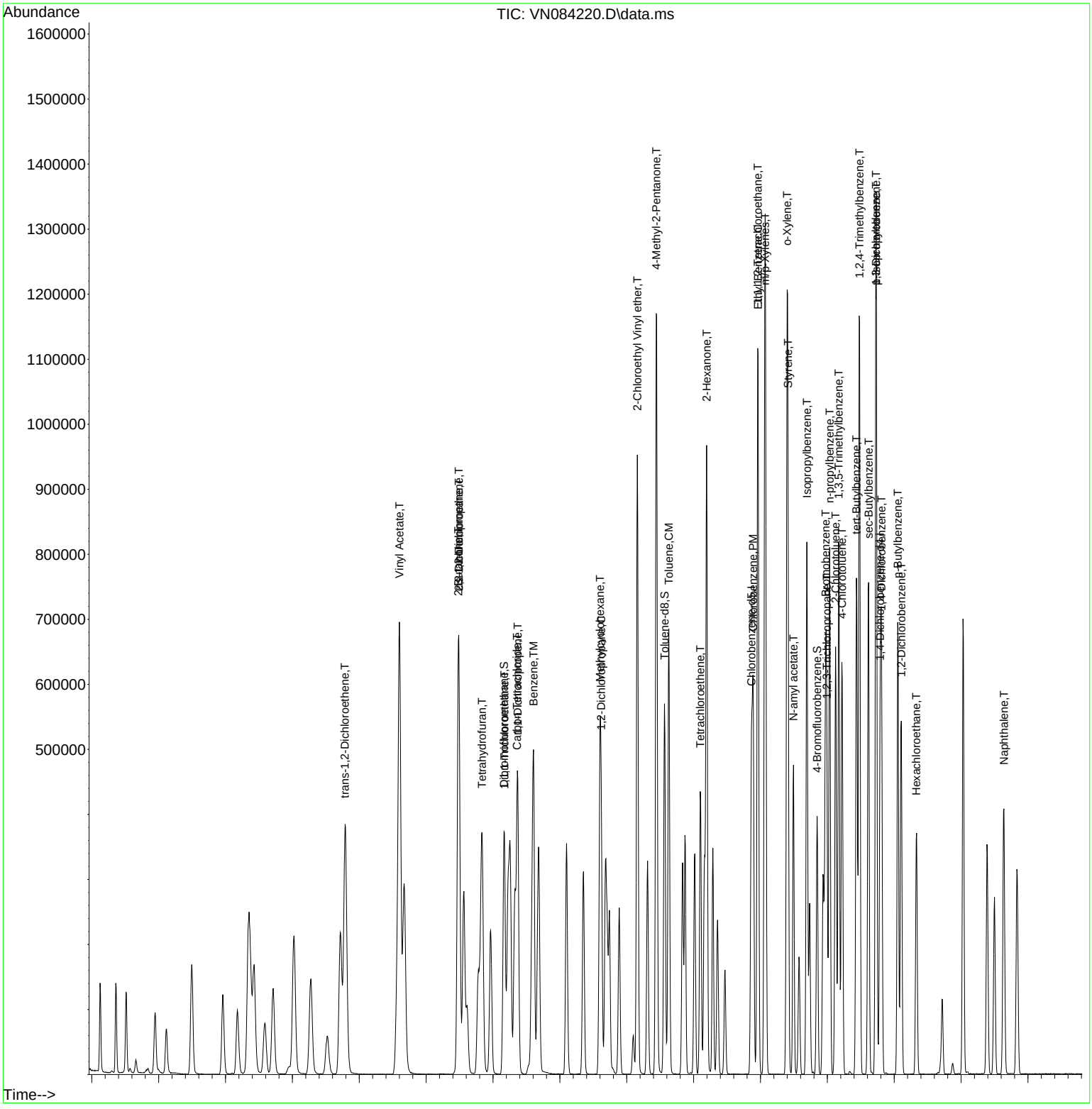
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Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

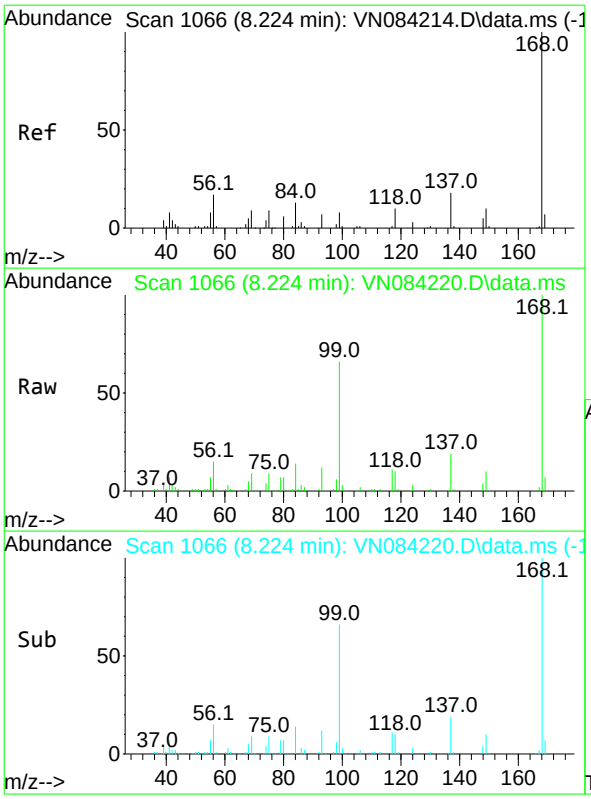
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

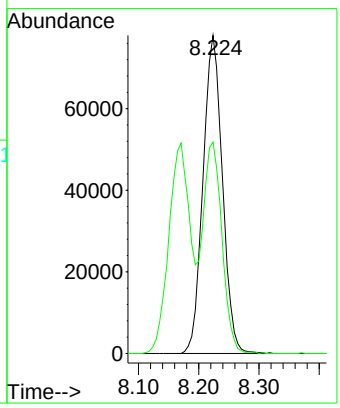




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:168 Resp: 174241

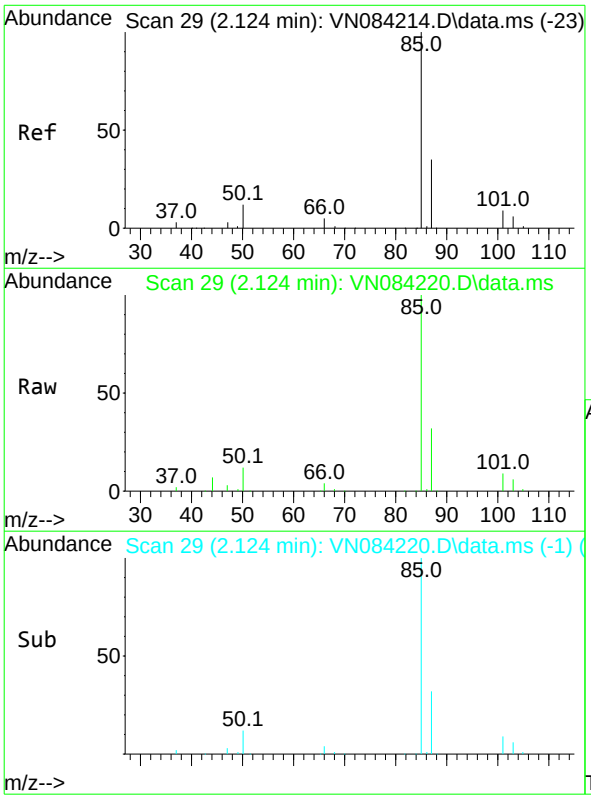
Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

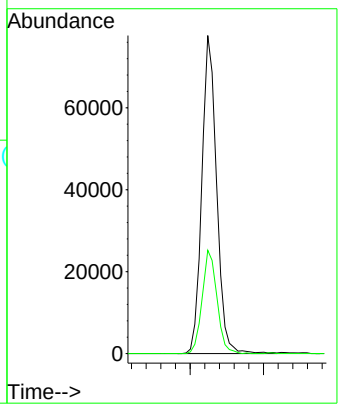
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

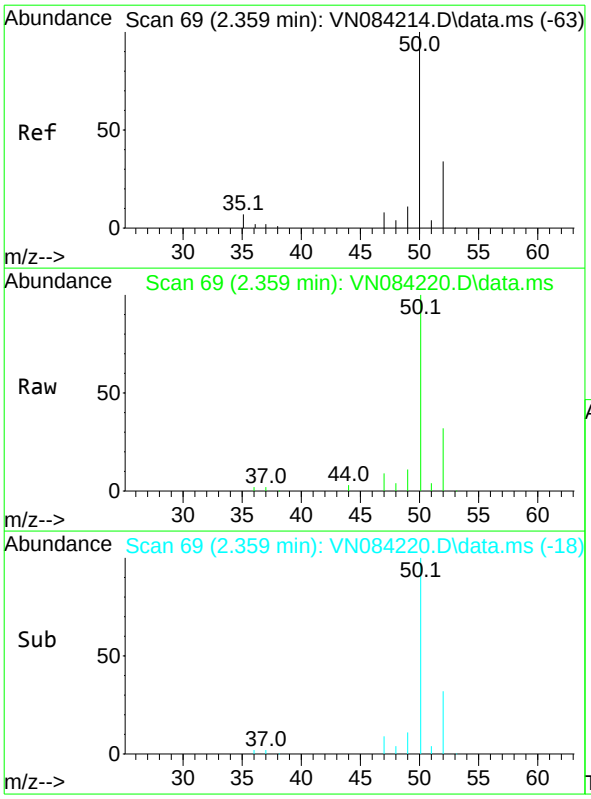


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9

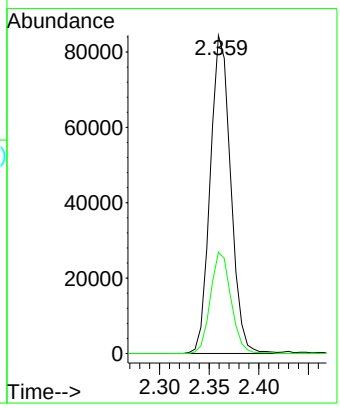




#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 50 Resp: 121140

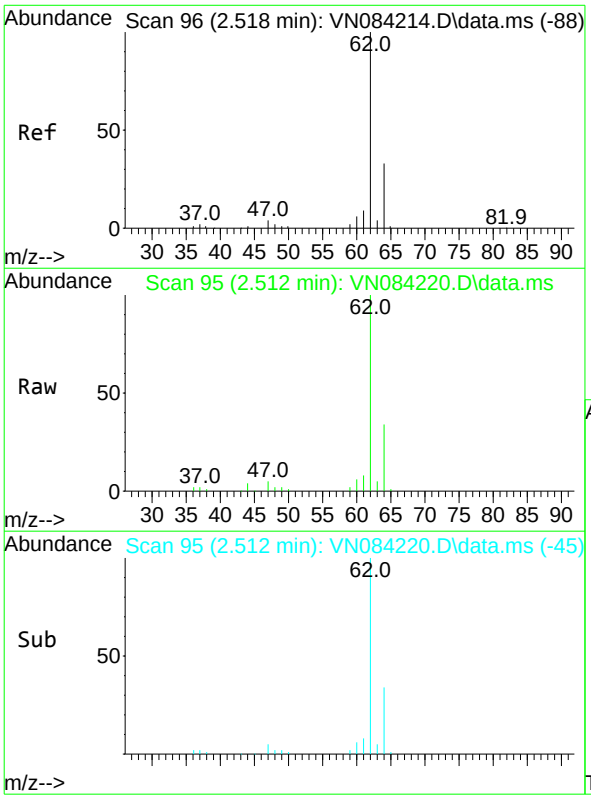
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

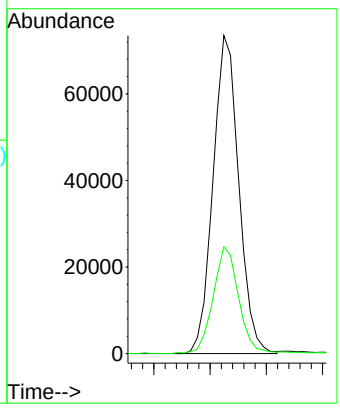
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

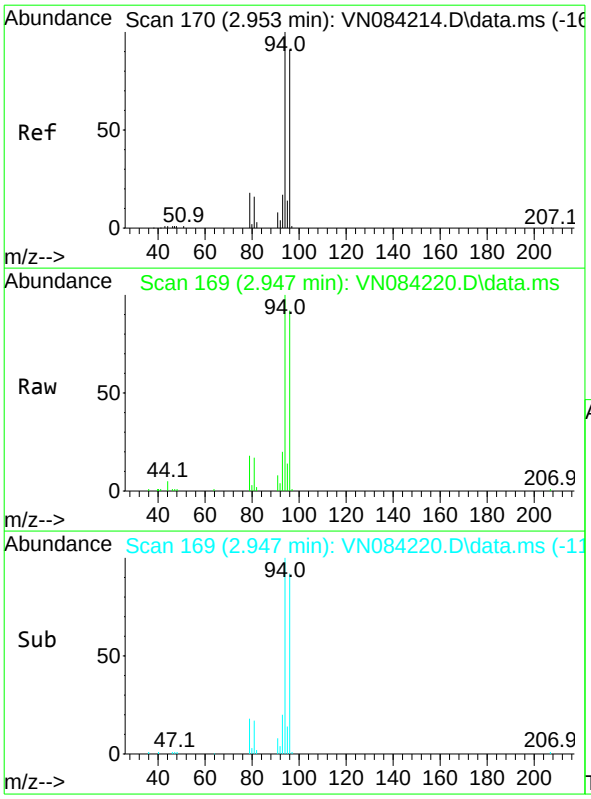


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4

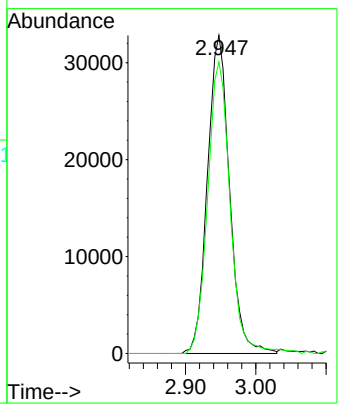




#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 94 Resp: 71654

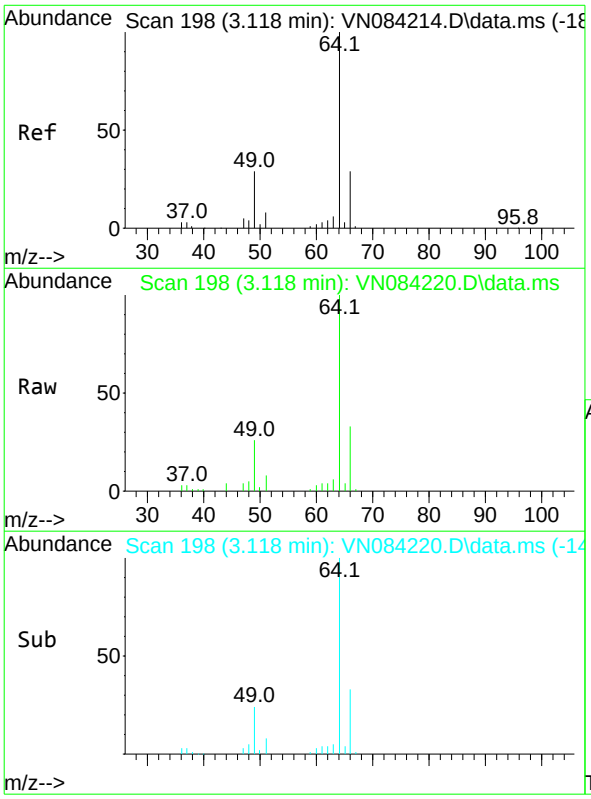
Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

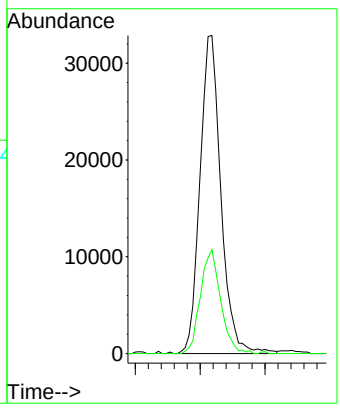
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

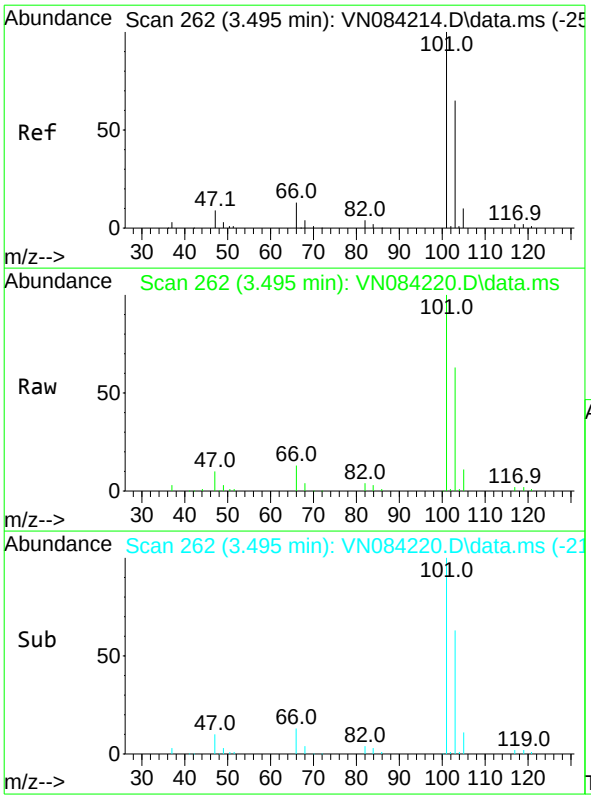


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3

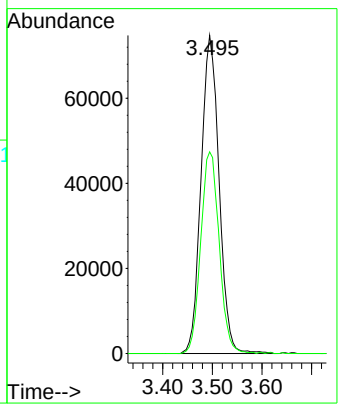




#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 188482

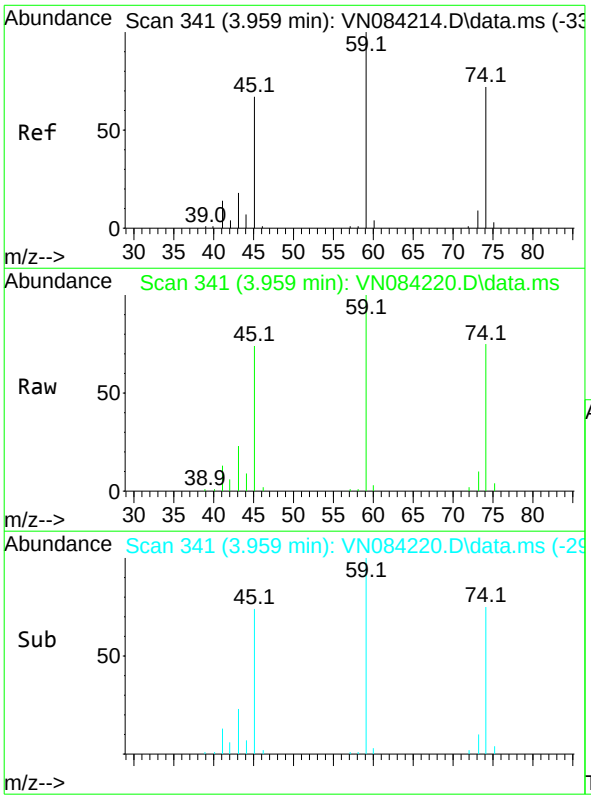
Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

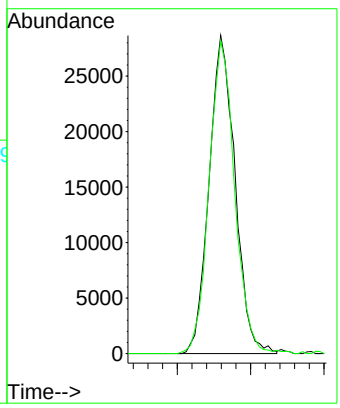
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

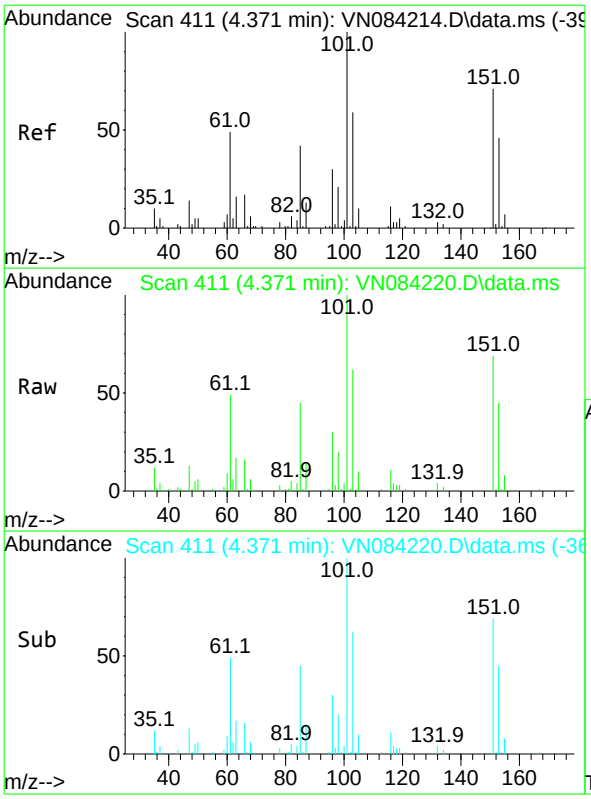


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1

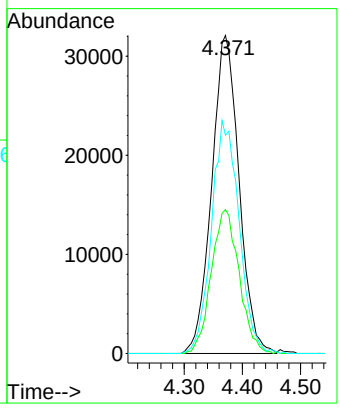




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 104895

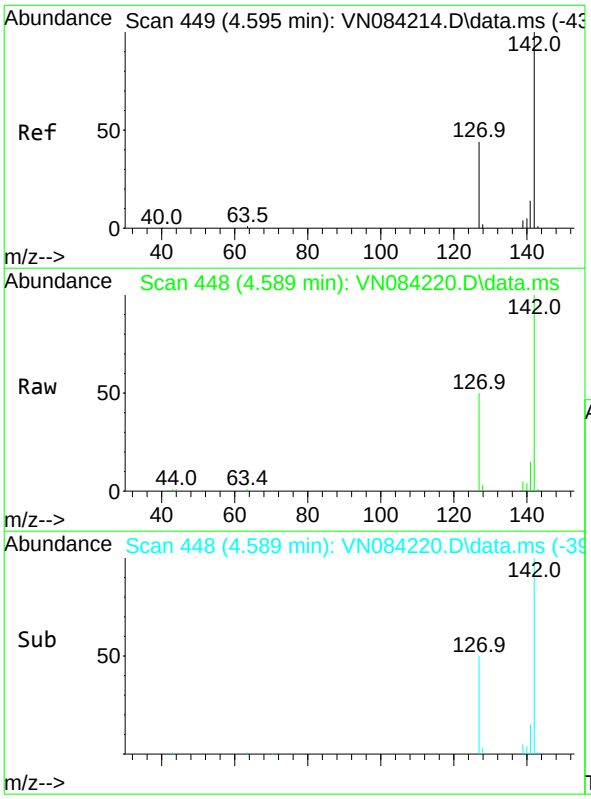
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	74.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

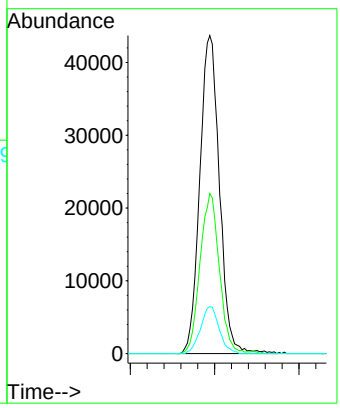
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

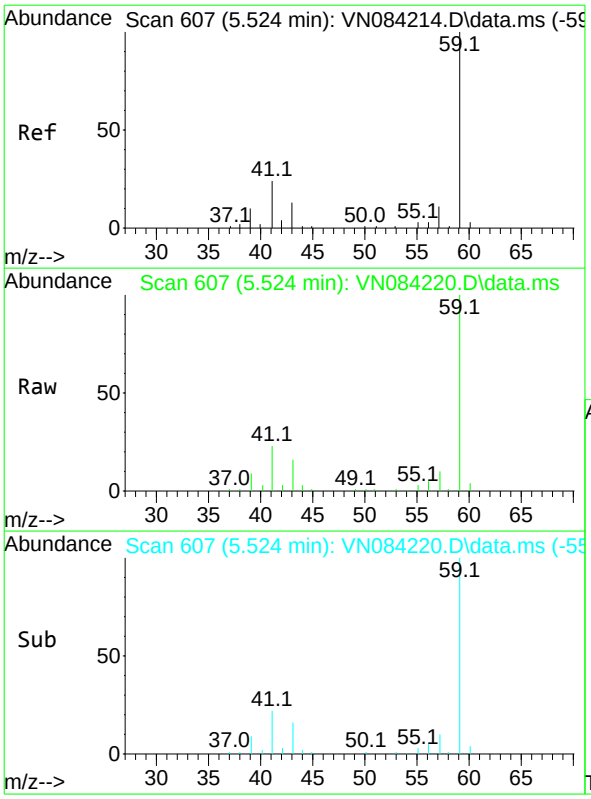


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

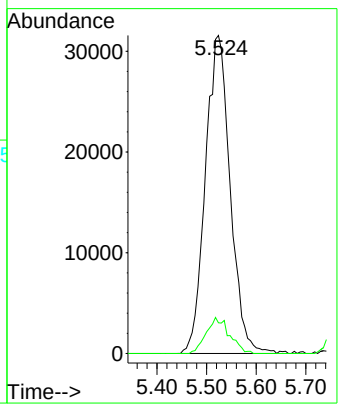




#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 59 Resp: 109545

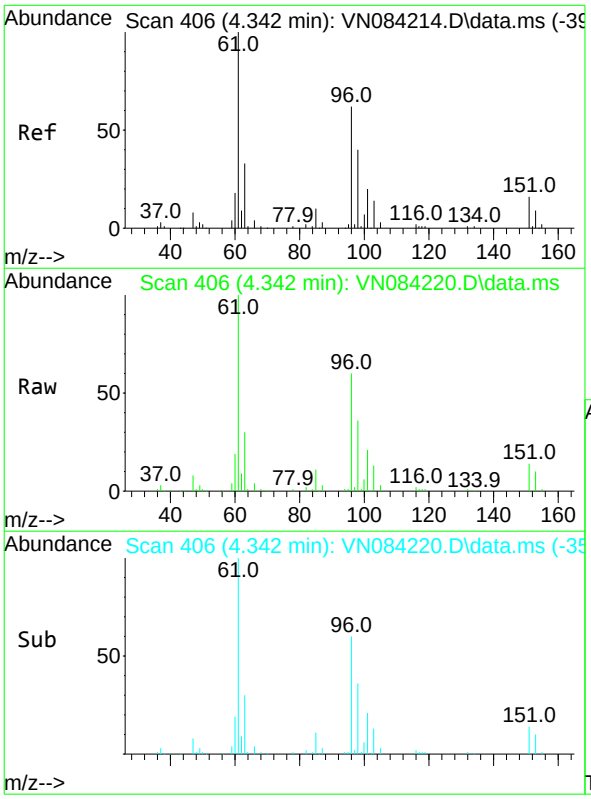
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

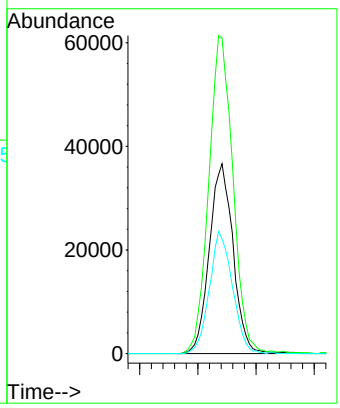
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

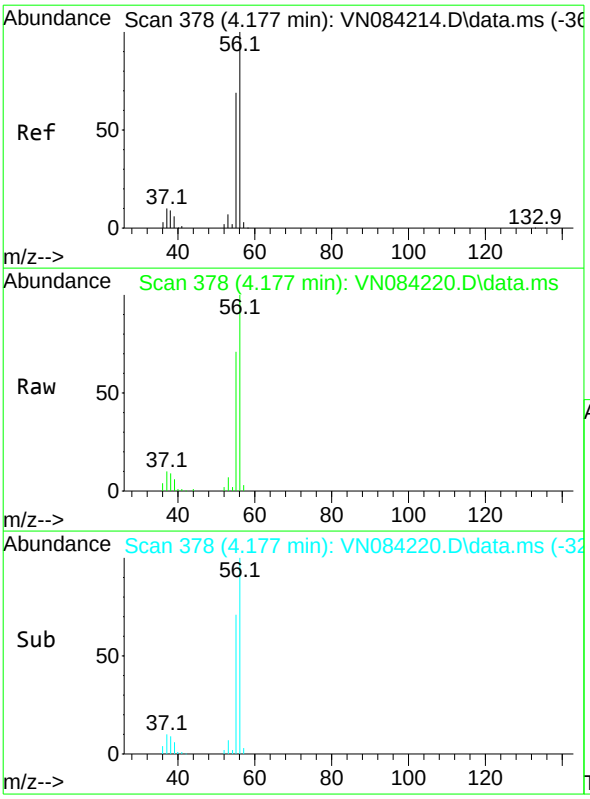


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

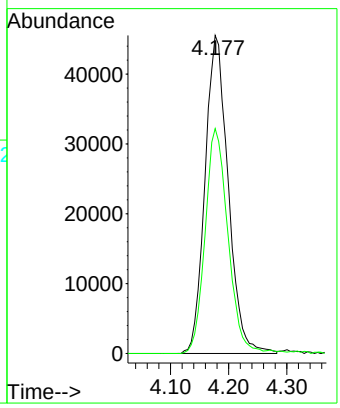




#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 125971

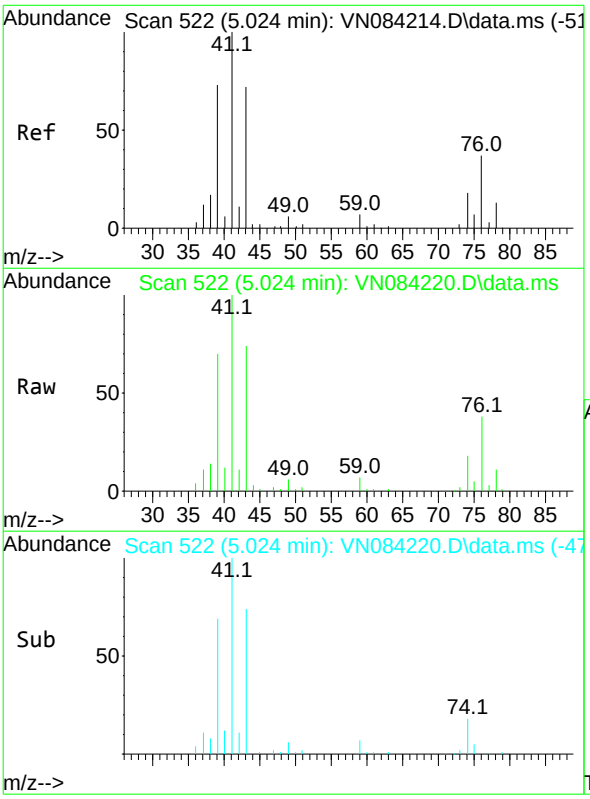
Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

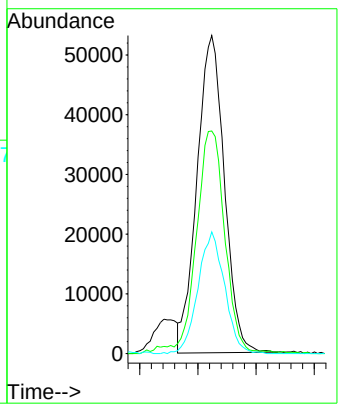
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

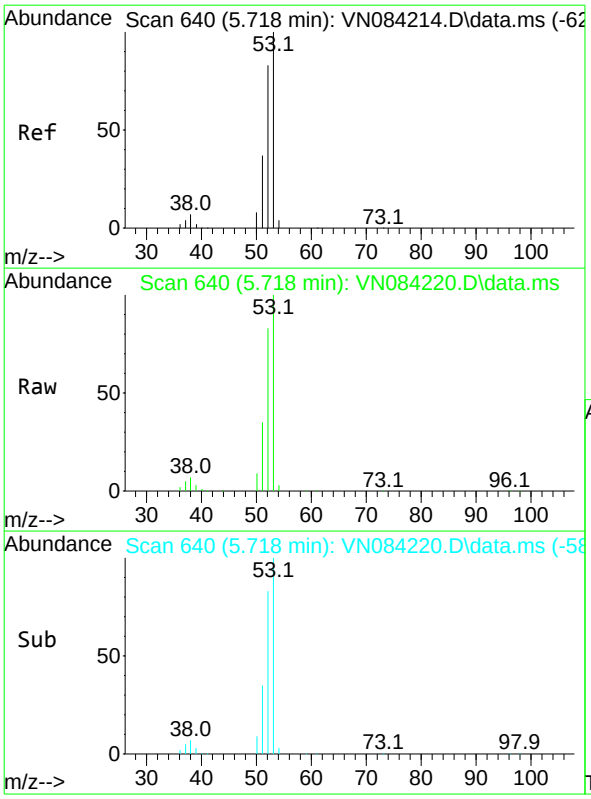


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

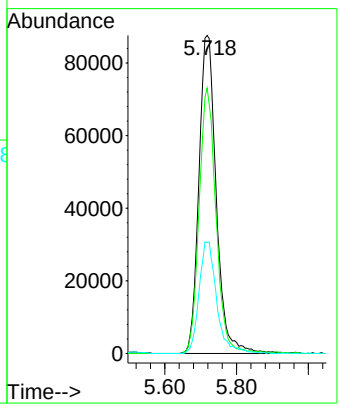
Tgt Ion: 53 Resp: 293962

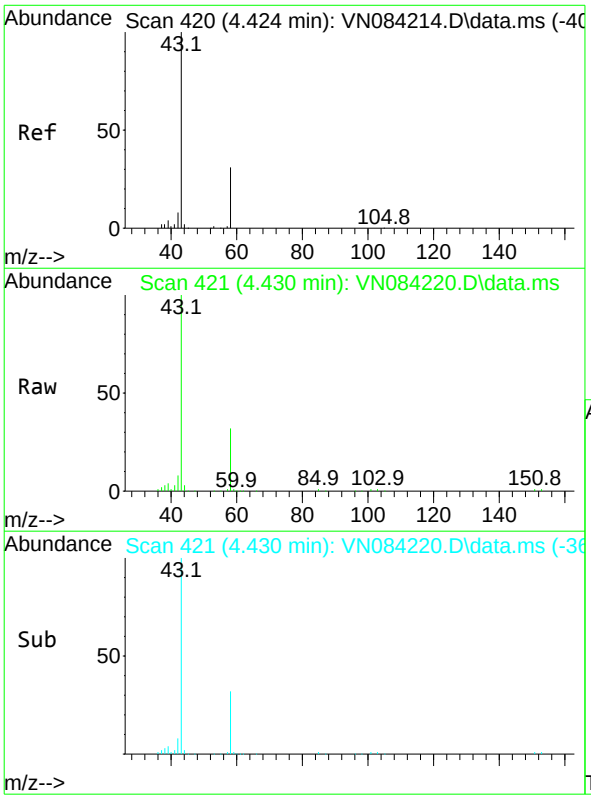
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

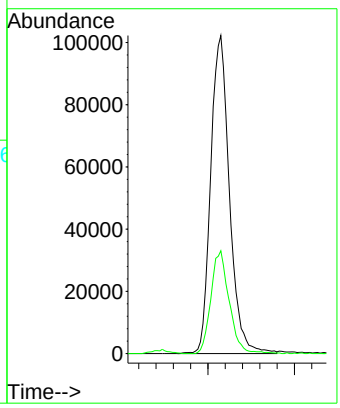


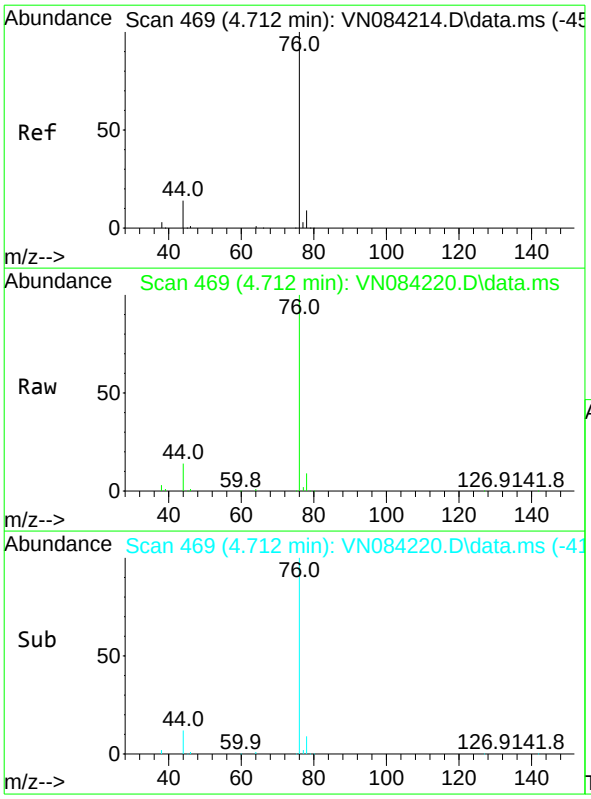


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6

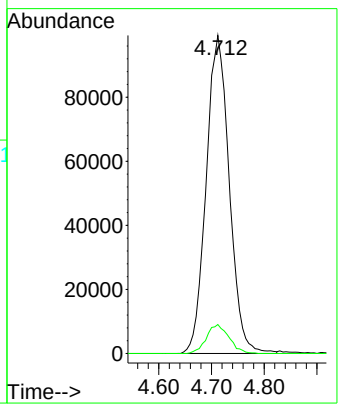




#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 302450

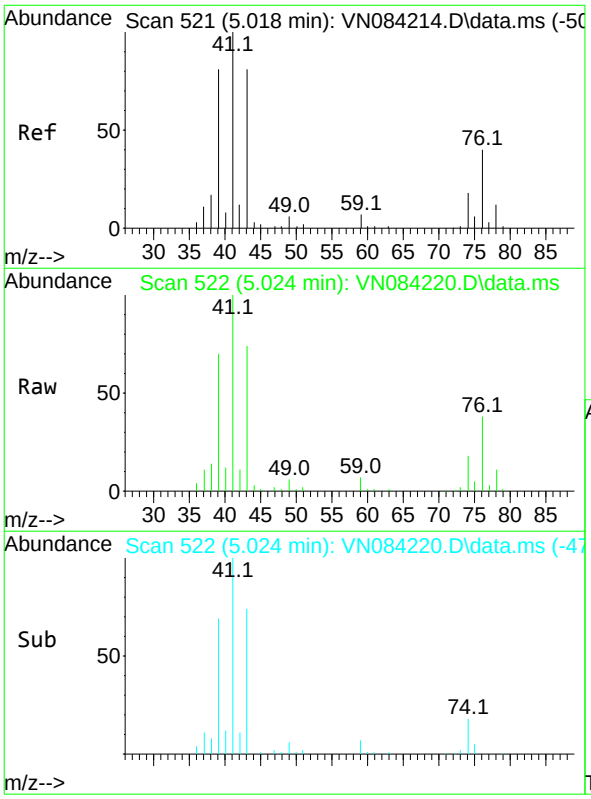
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

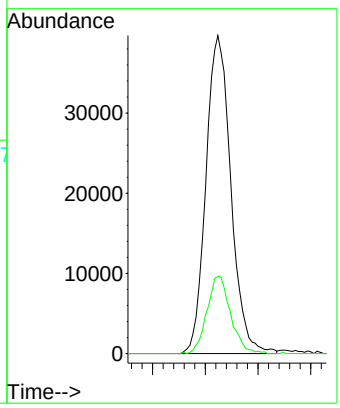
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

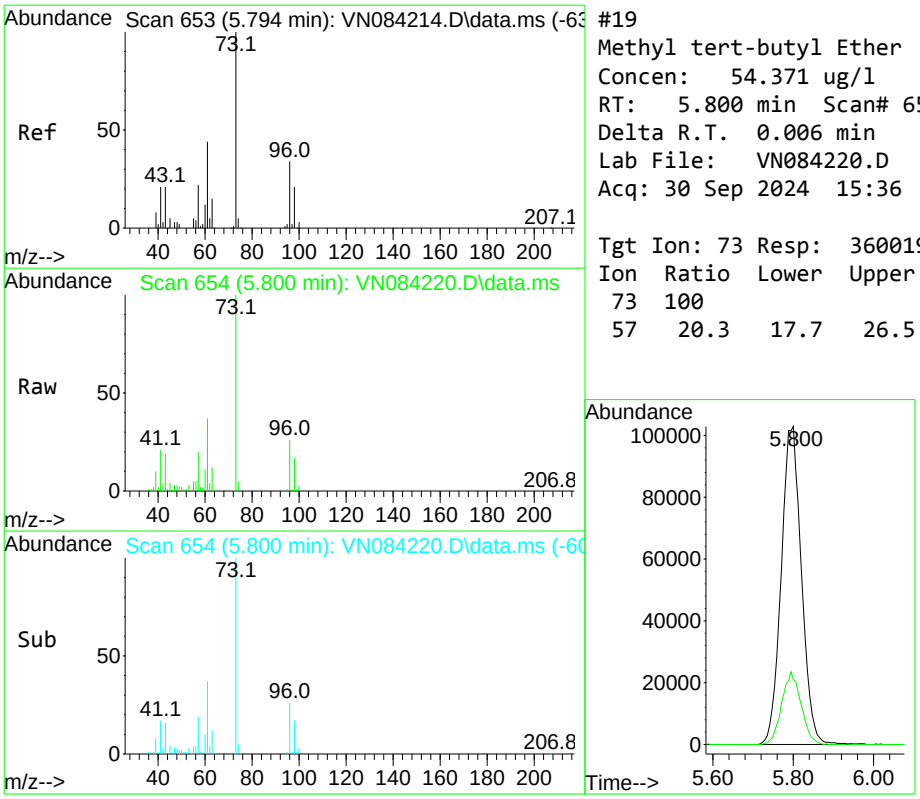


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

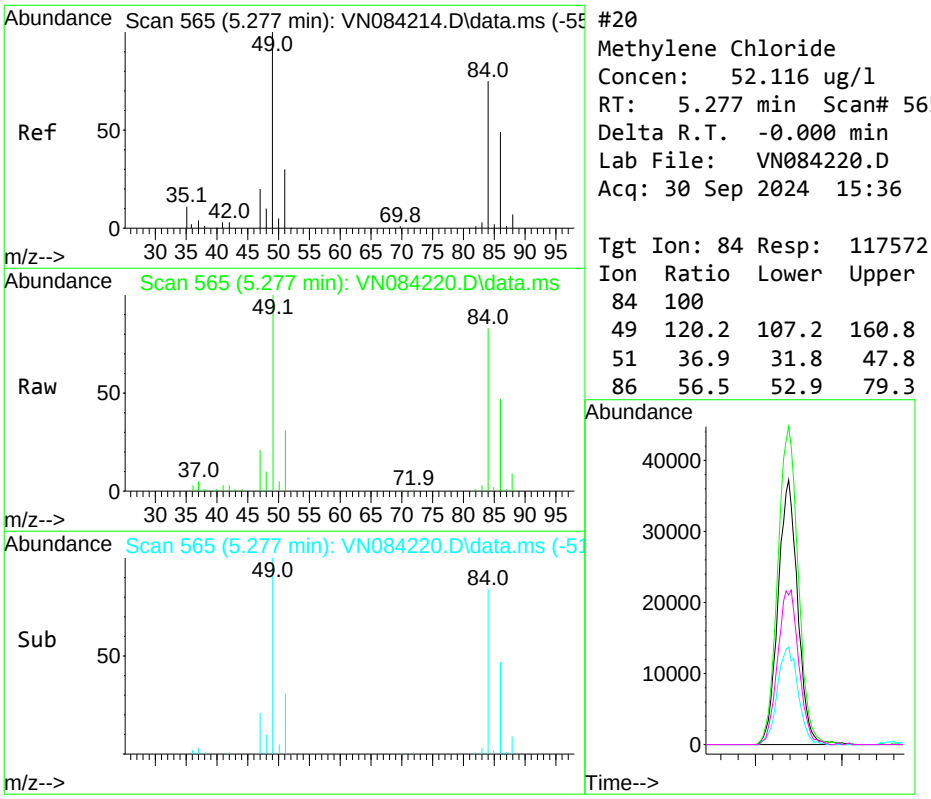
Tgt Ion: 73 Resp: 360019

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

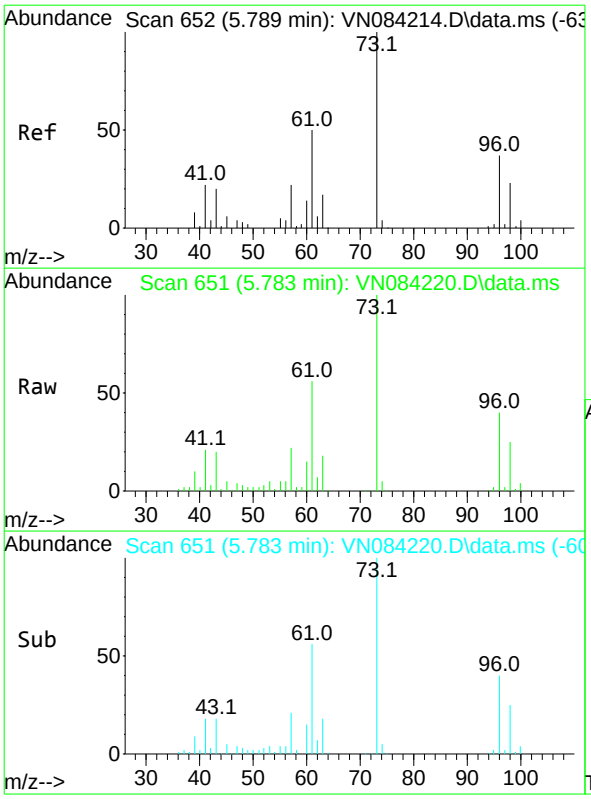
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

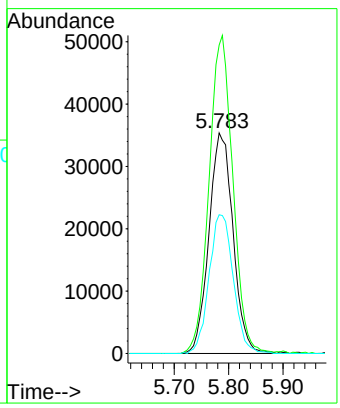
Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.9	31.8	47.8
86	56.5	52.9	79.3



#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

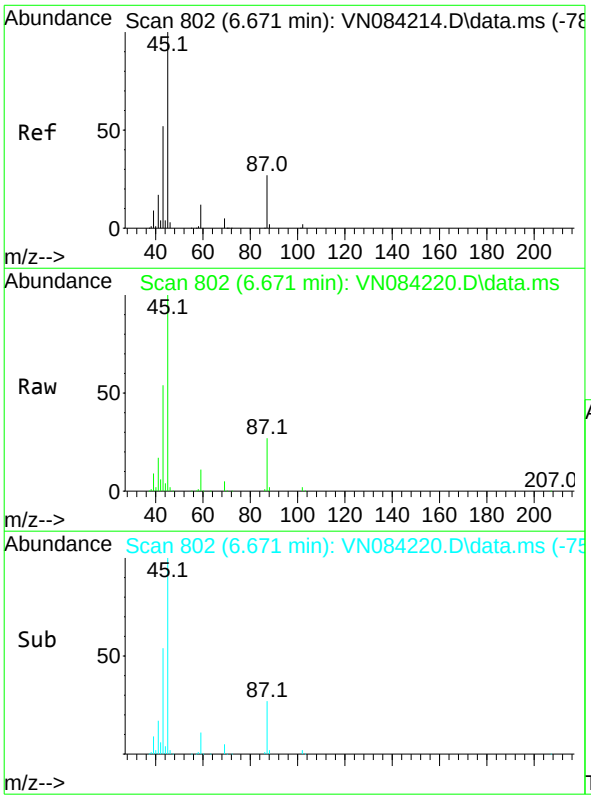
Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	62.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

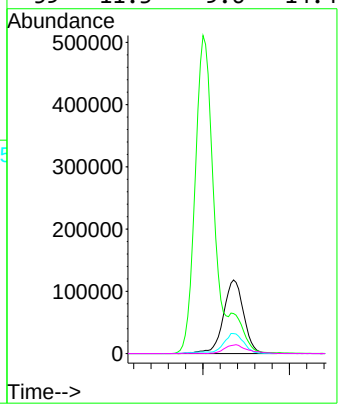
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

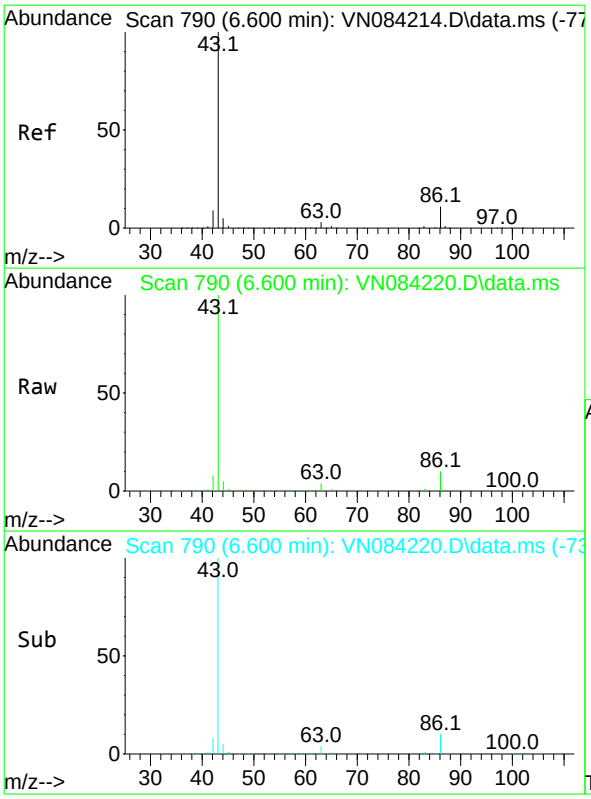


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

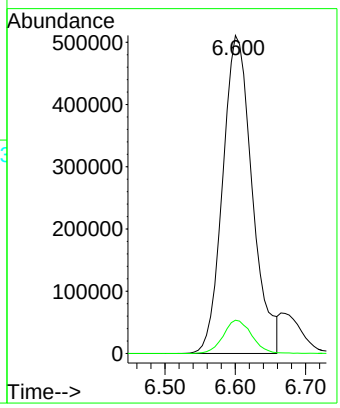




#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 1492704

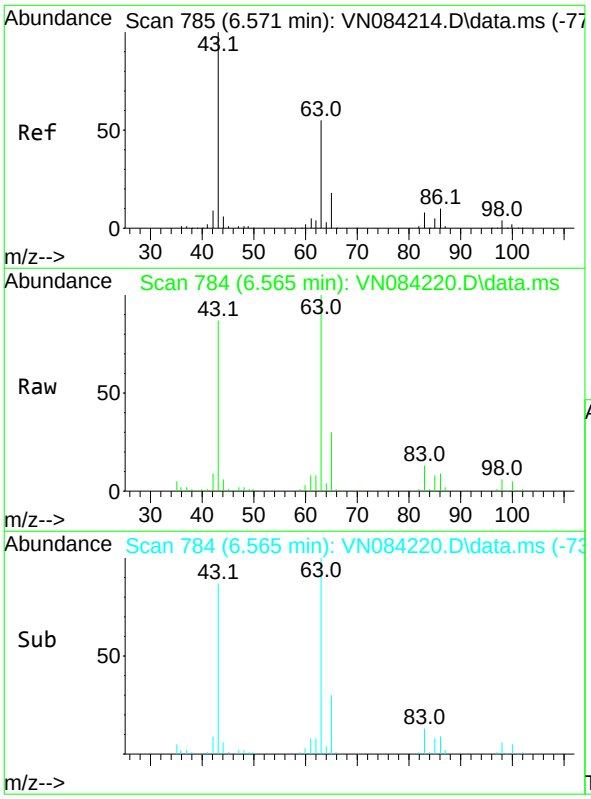
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

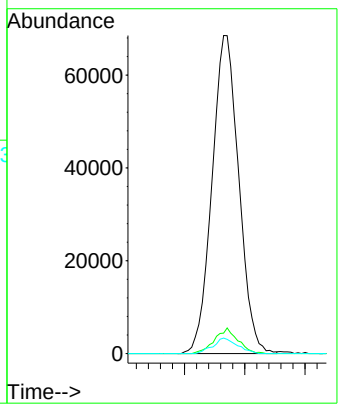
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

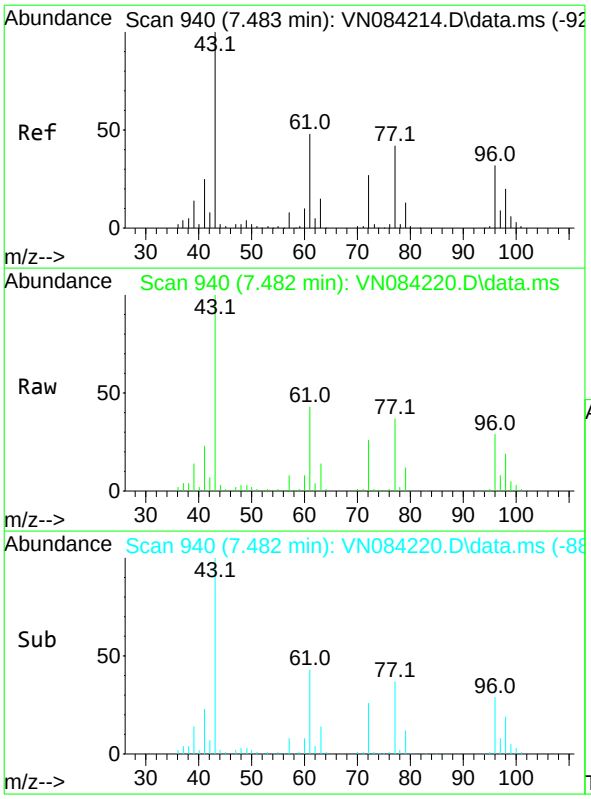


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

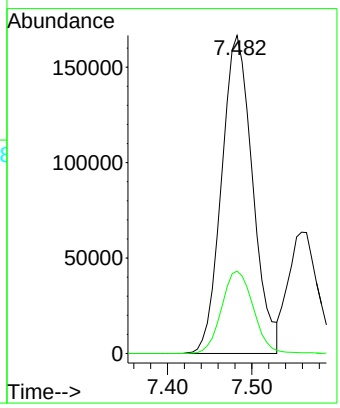




#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 426860

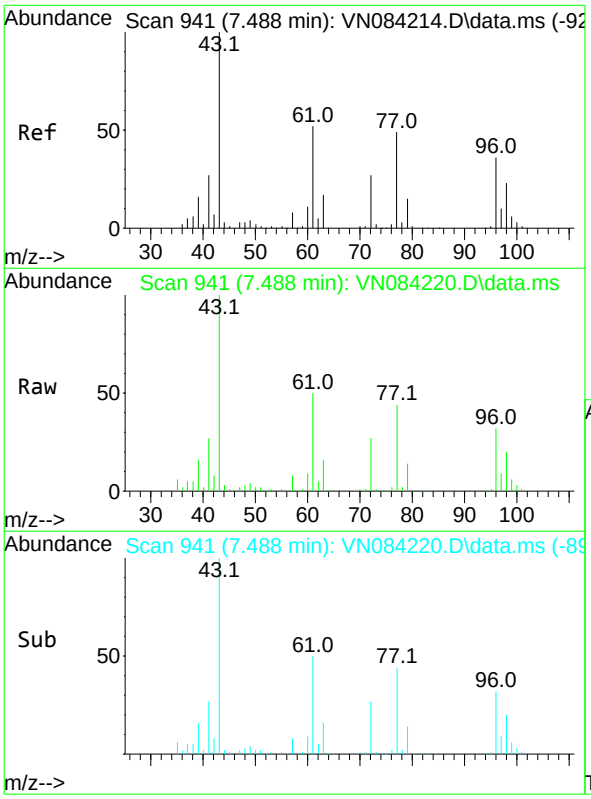
Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

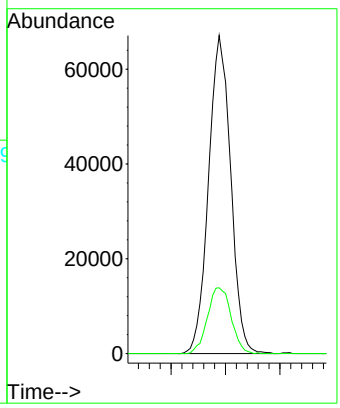
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

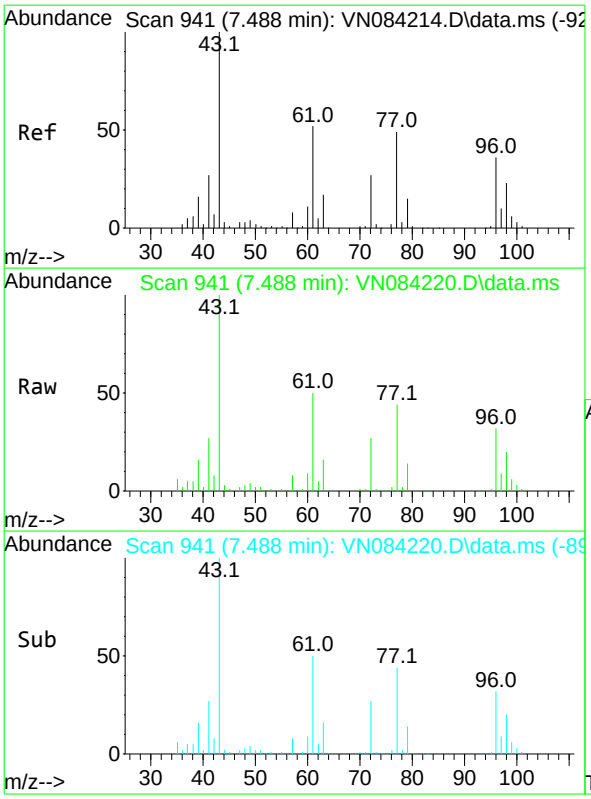


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

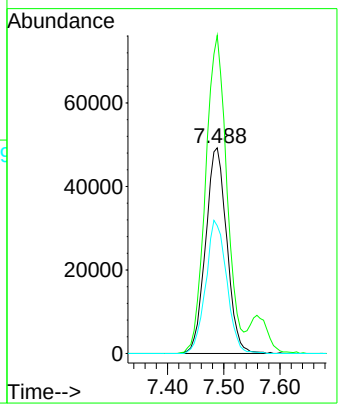




#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 128843

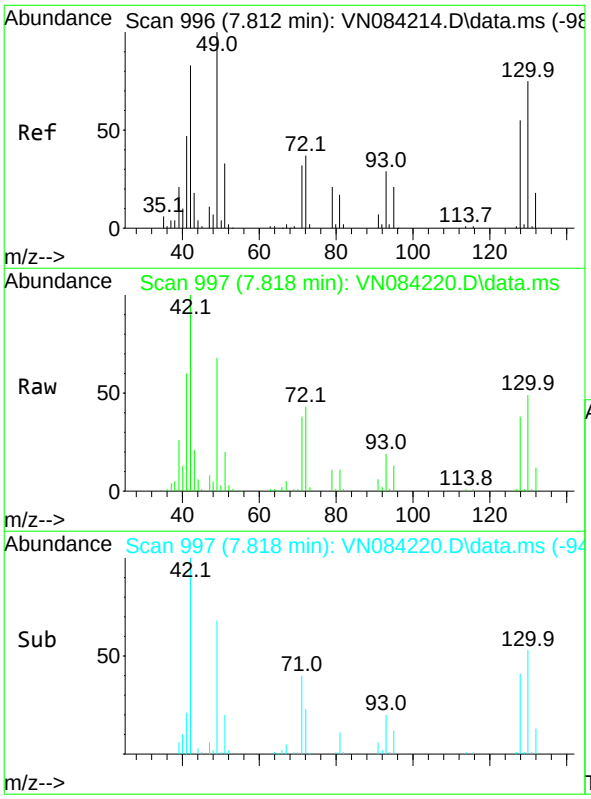
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	301.8
98	64.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

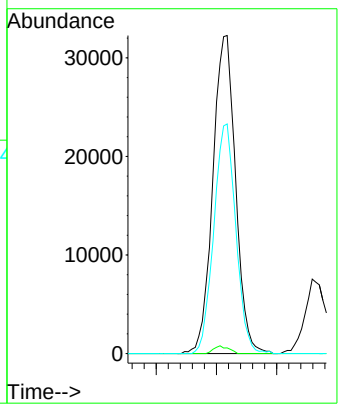
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

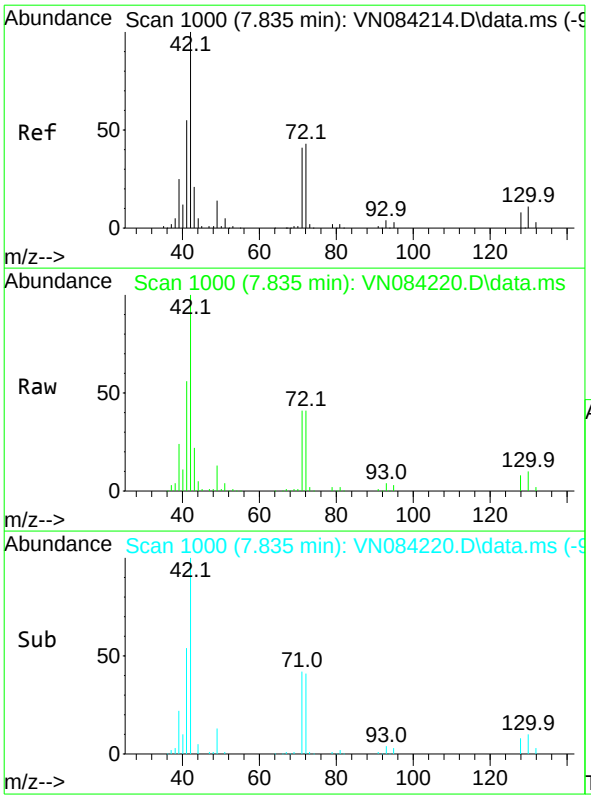


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

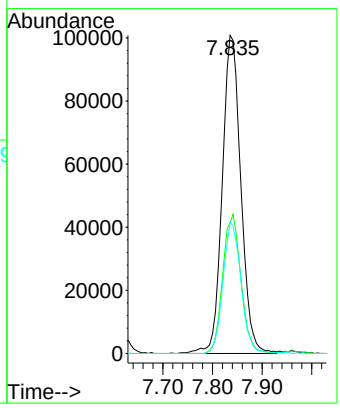




#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 42 Resp: 262996

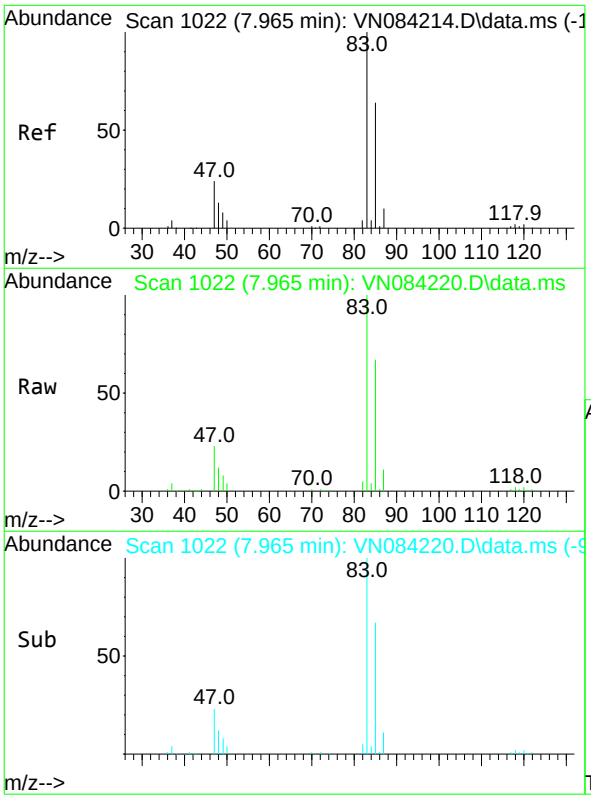
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

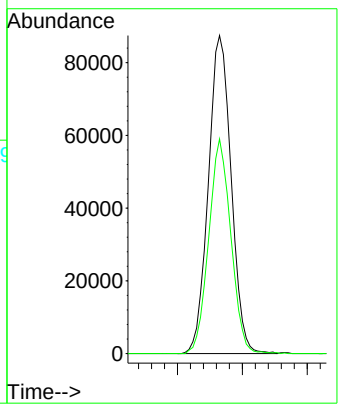
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

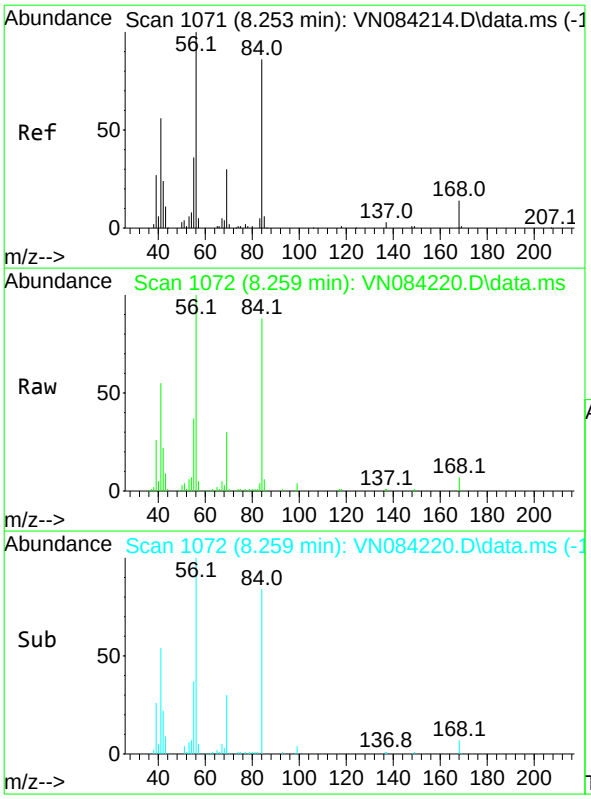


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4

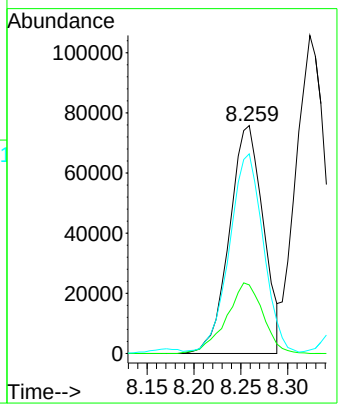




#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 190602

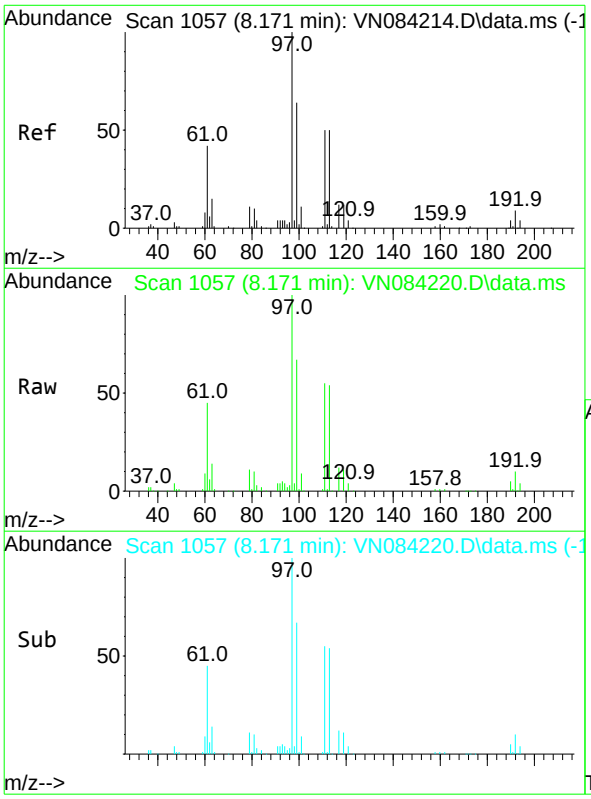
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.8	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations
APPROVED

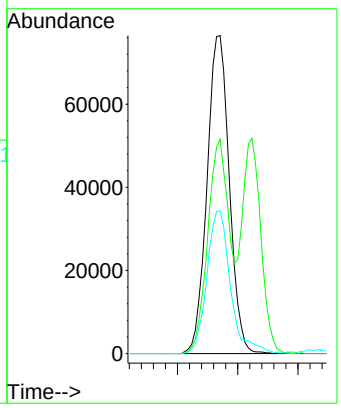
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

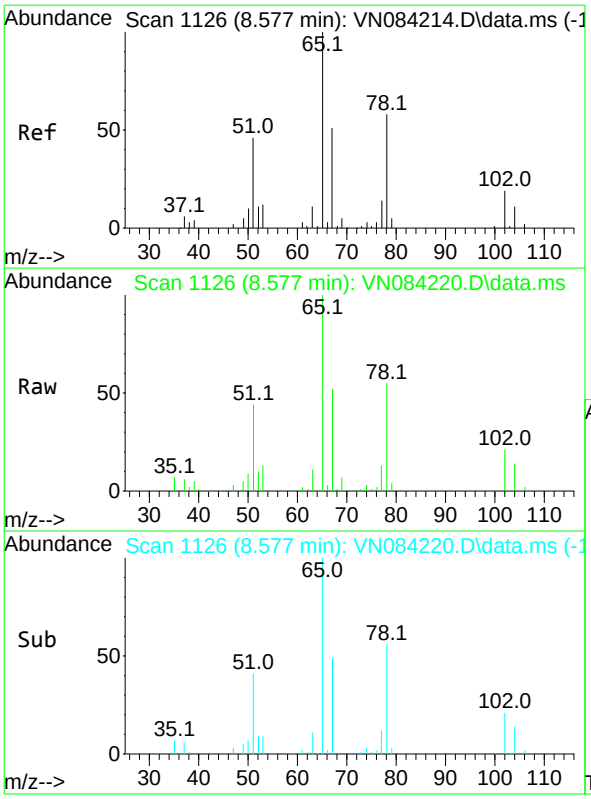


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

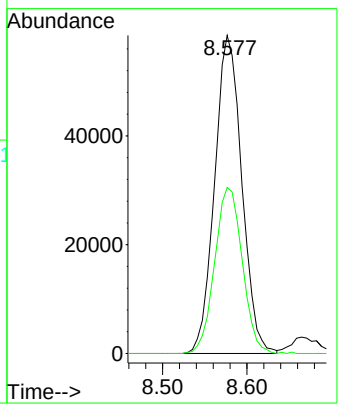




#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 65 Resp: 130630

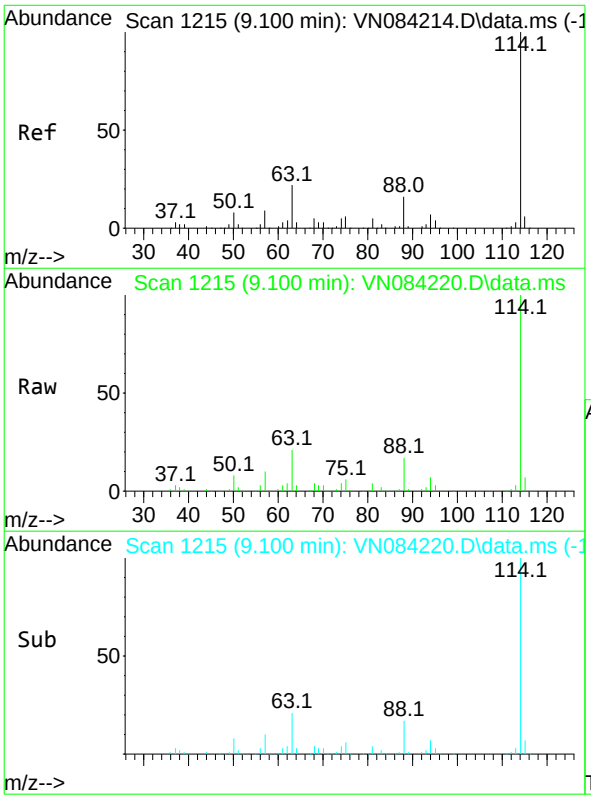
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

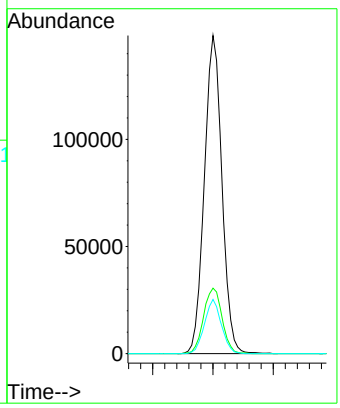
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

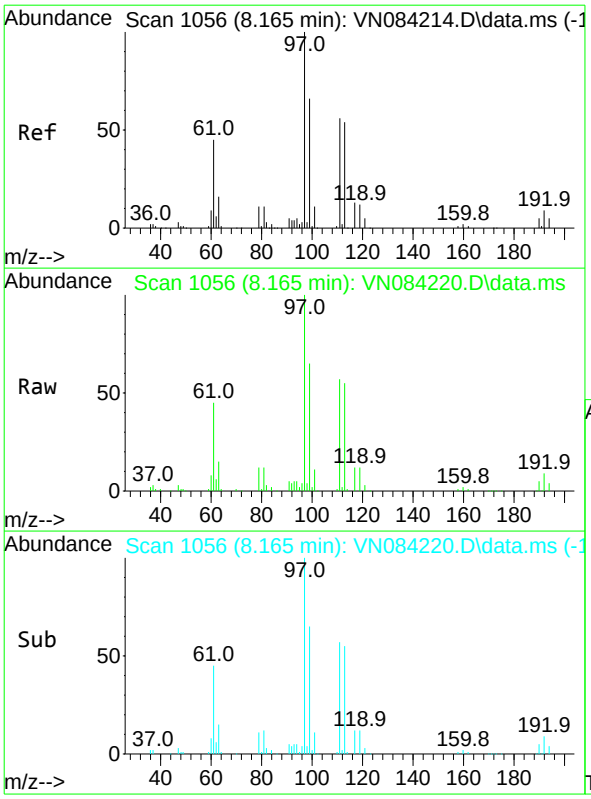


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

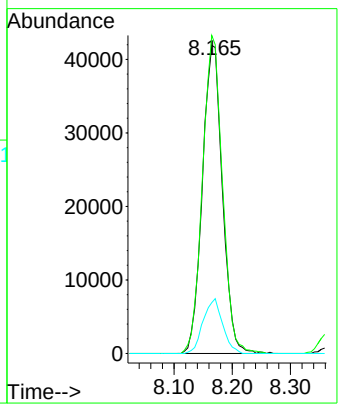




#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:113 Resp: 100200

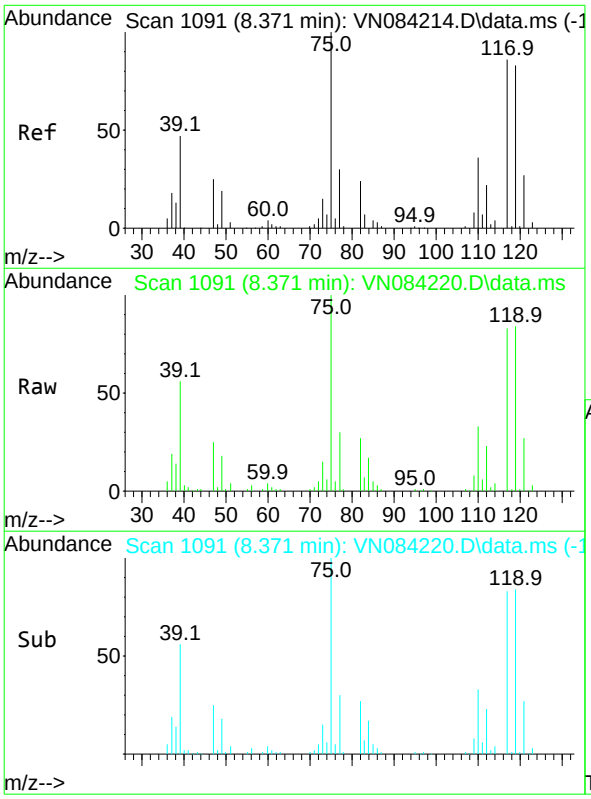
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.3	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

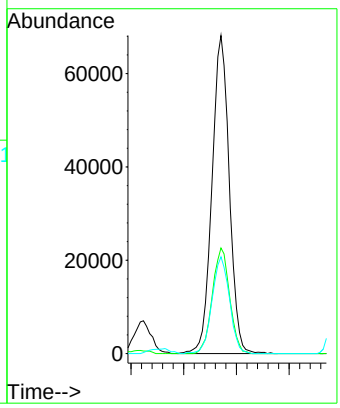
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

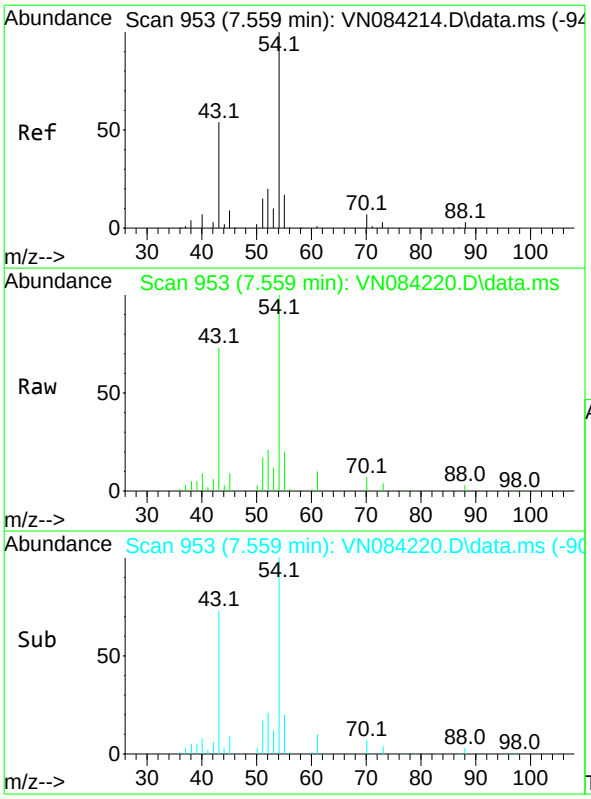


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

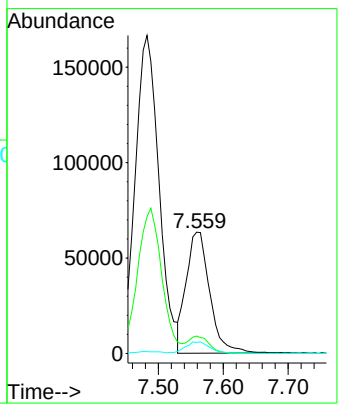
Tgt Ion: 43 Resp: 159764

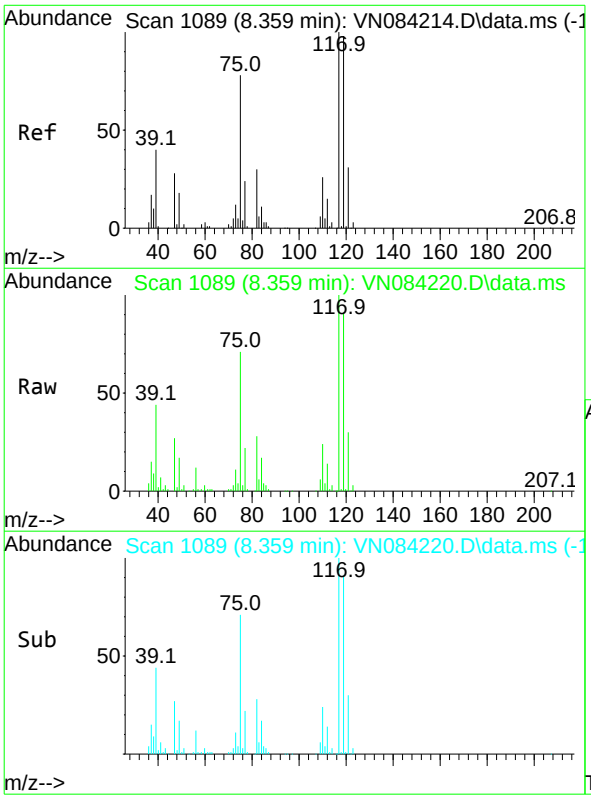
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

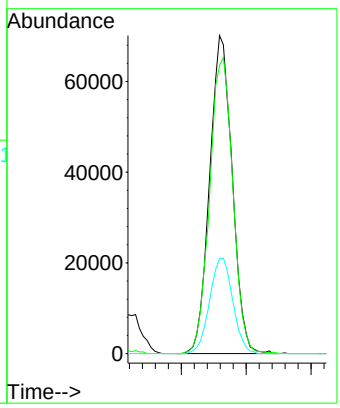


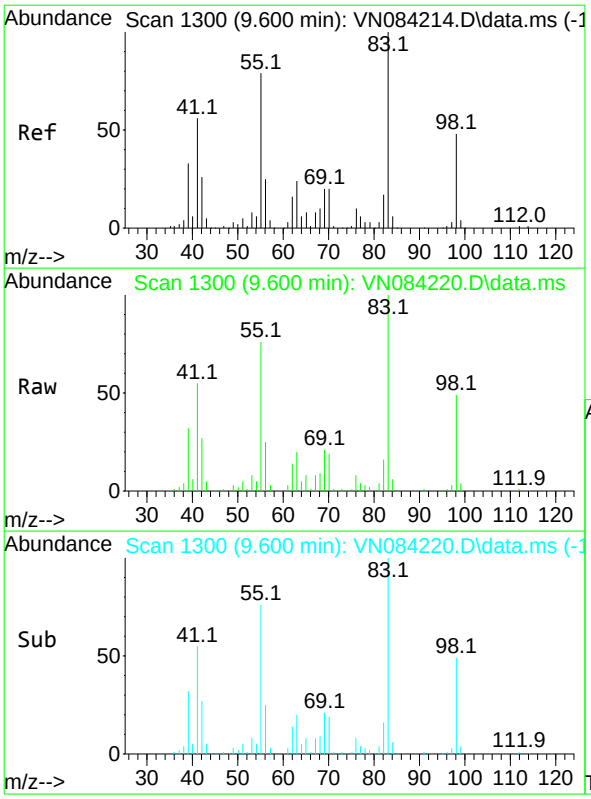


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

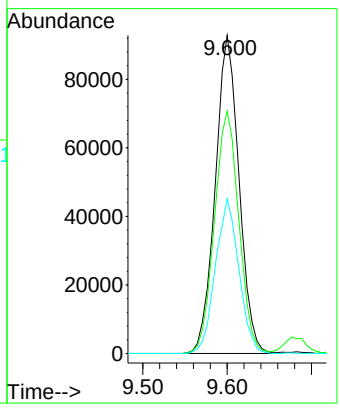




#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 181676

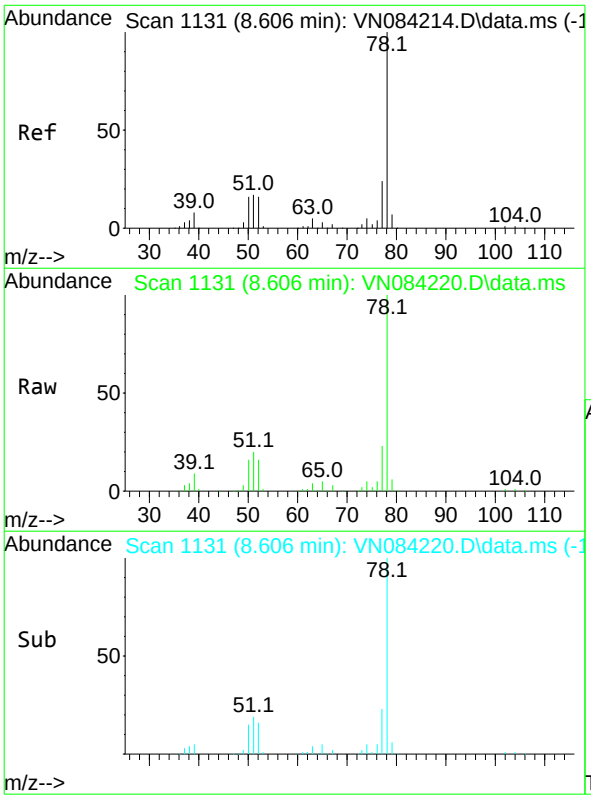
Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.8	94.2
98	48.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

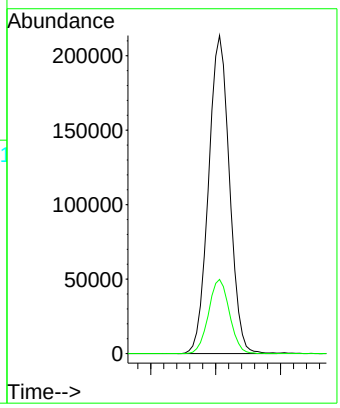
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

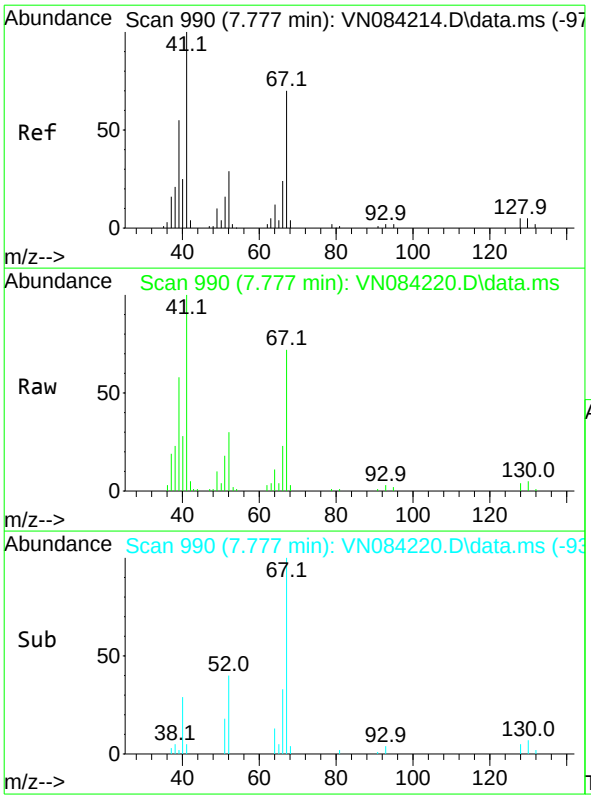


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

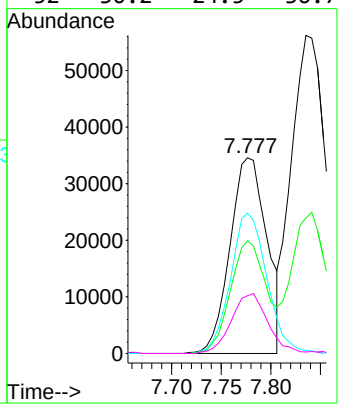




#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 89407

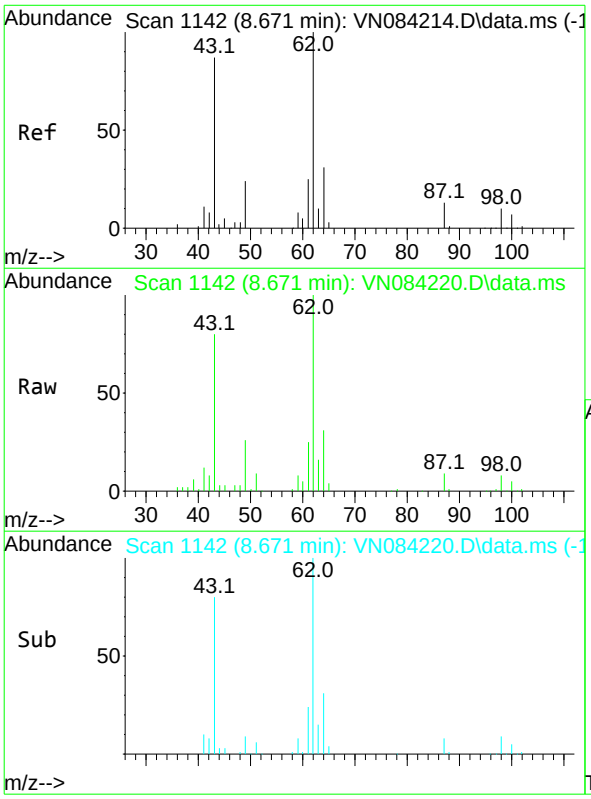
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	70.8	56.1	84.1
52	30.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

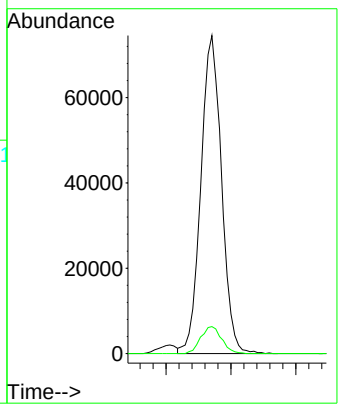
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

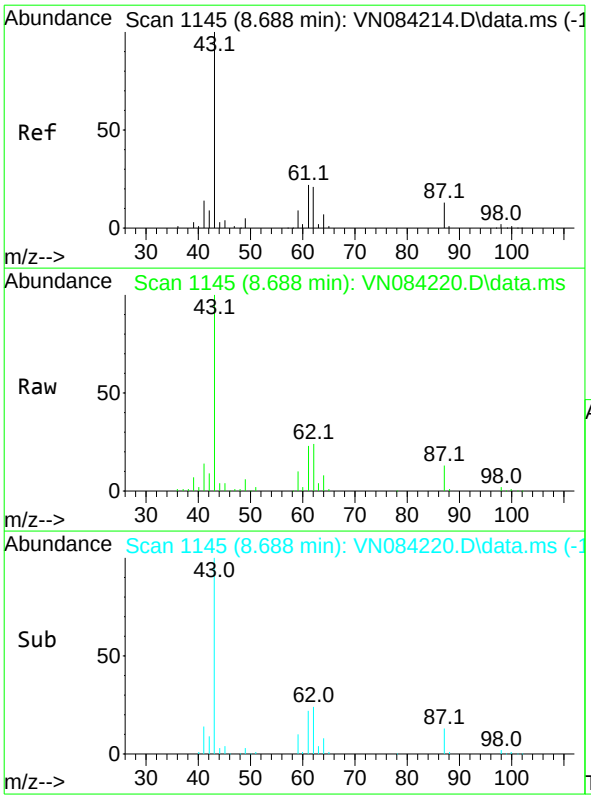


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

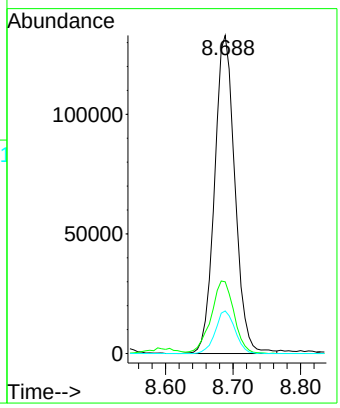




#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 278668

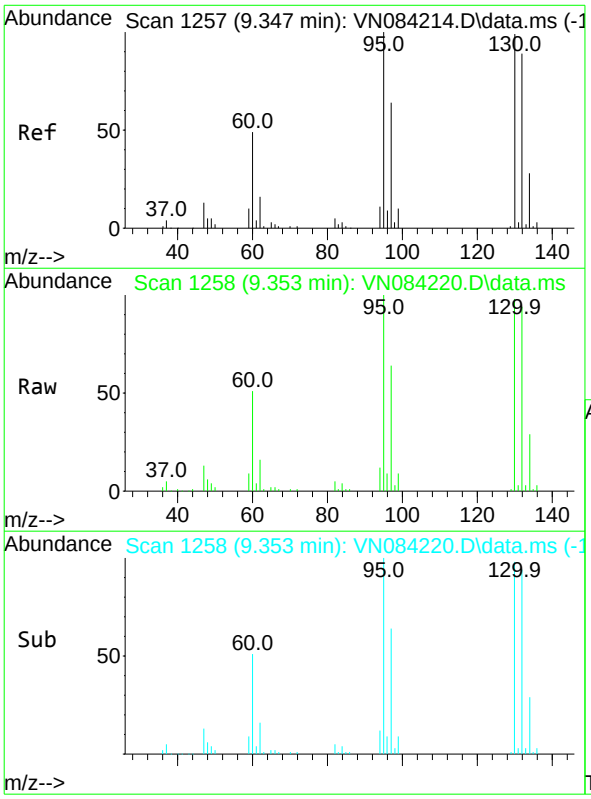
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

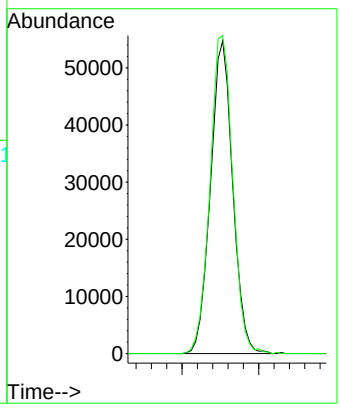
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

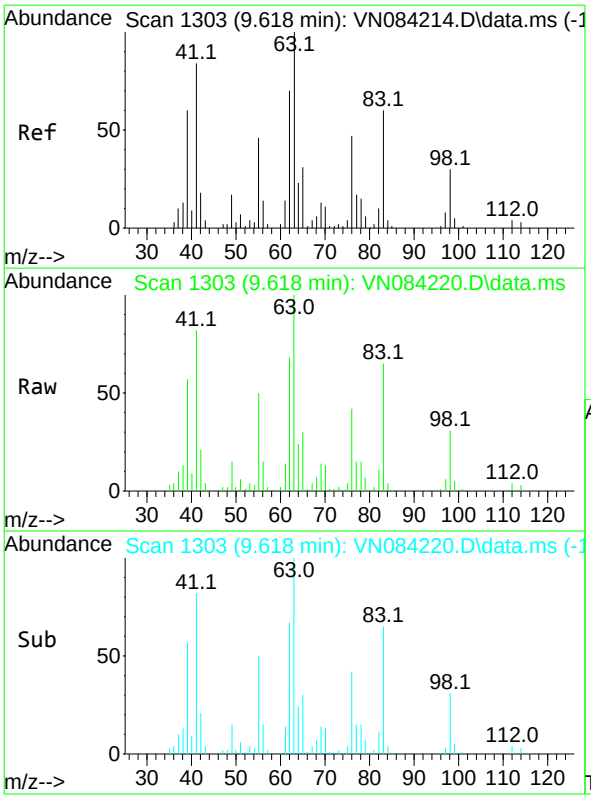


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0

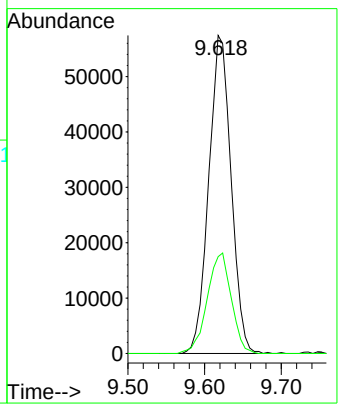




#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 116161

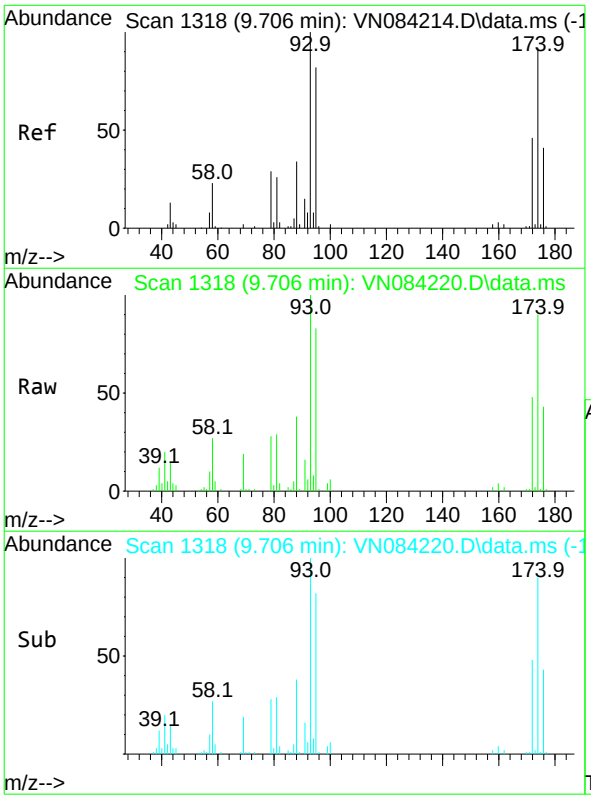
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

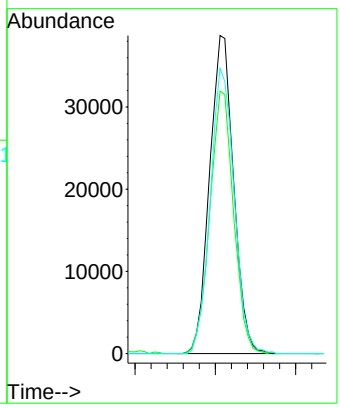
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

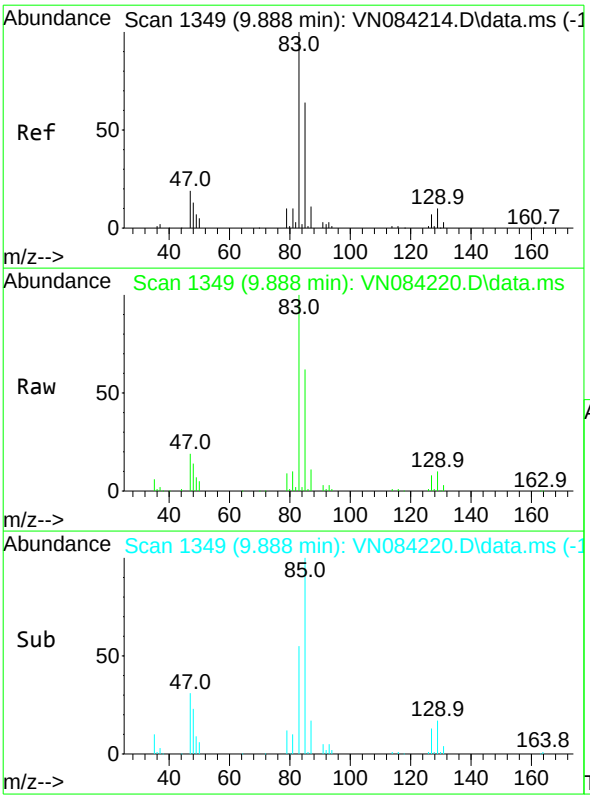


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

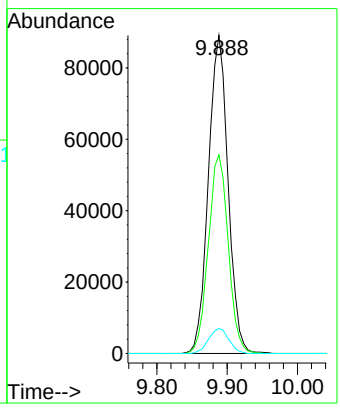




#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 173015

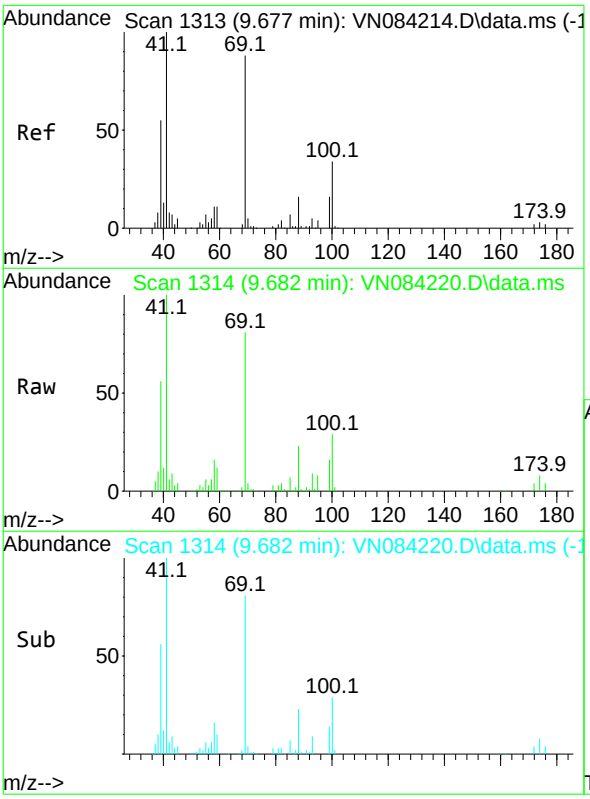
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3
127	7.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

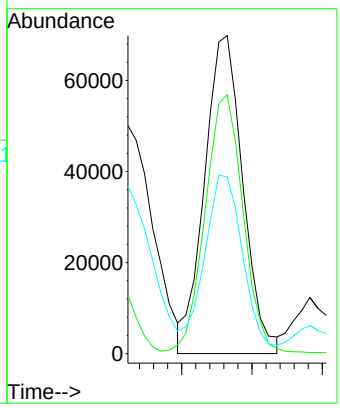
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

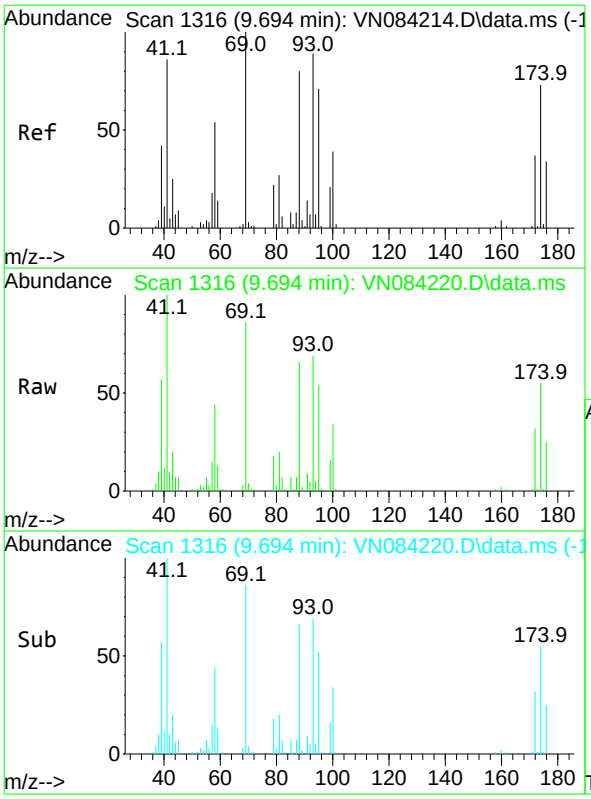


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

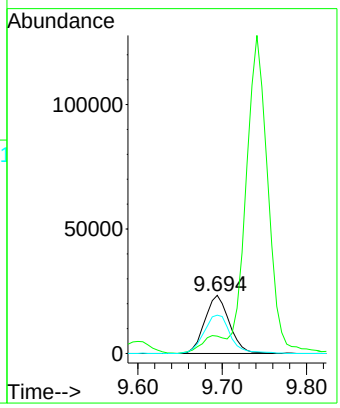




#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 88 Resp: 47169

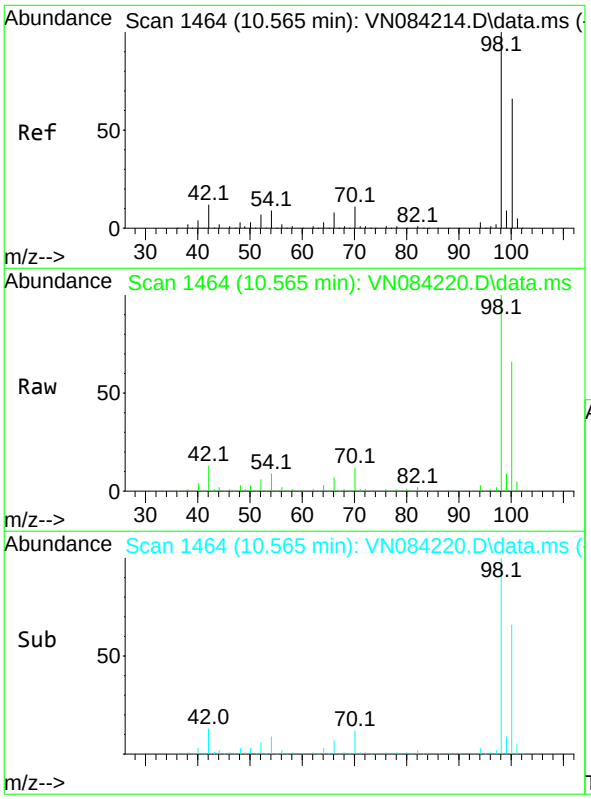
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	71.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

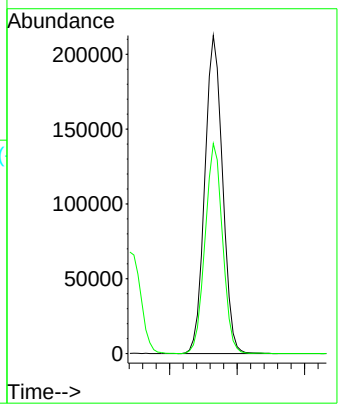
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

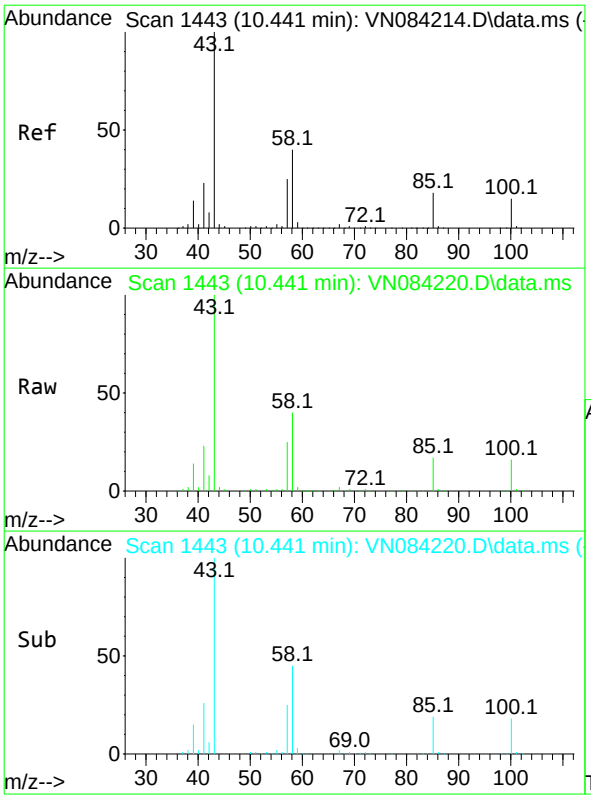


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

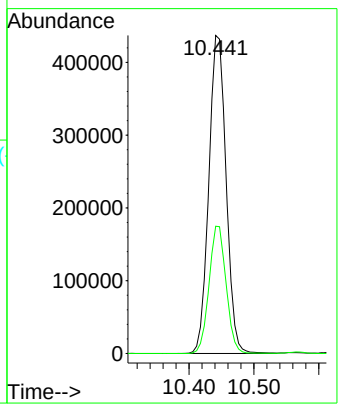




#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 808630

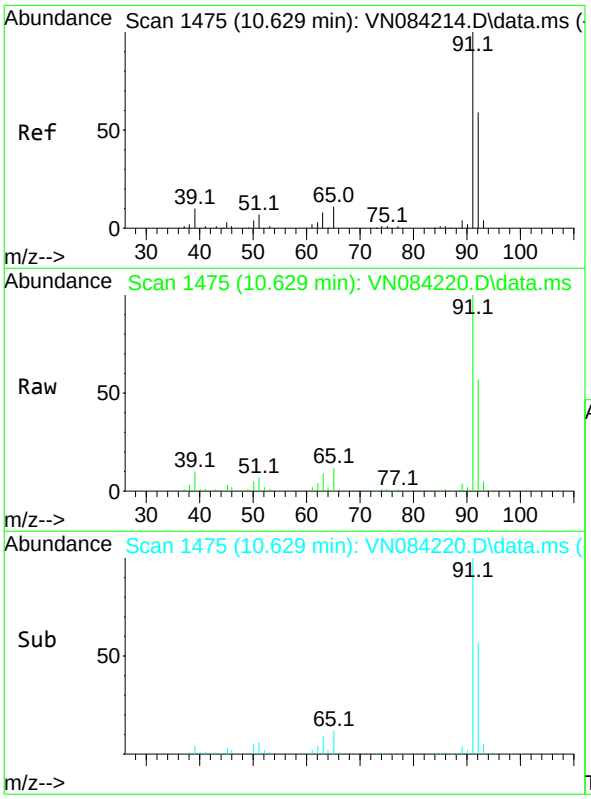
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

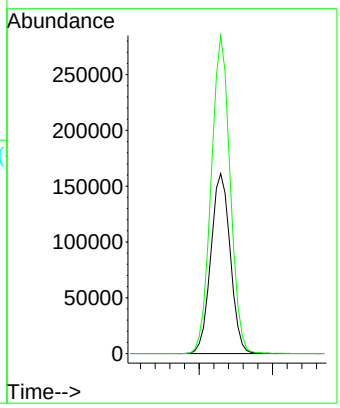
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

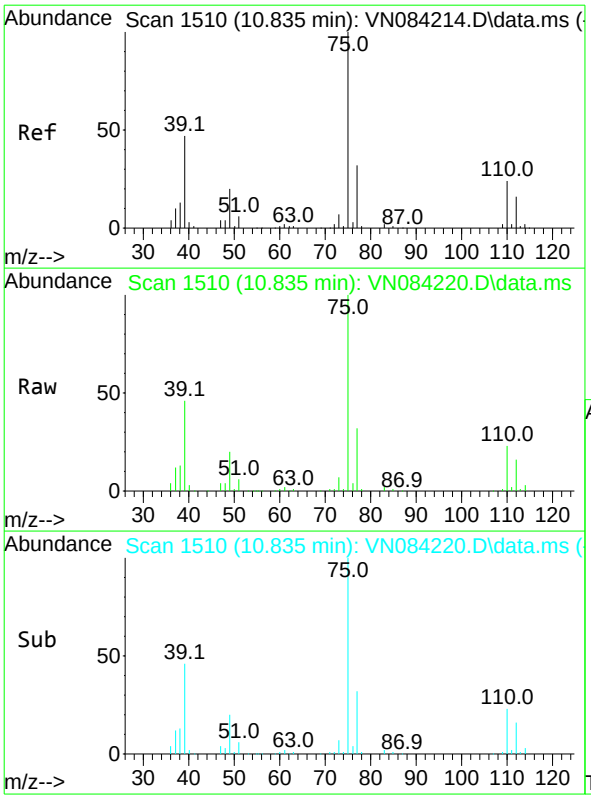


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9

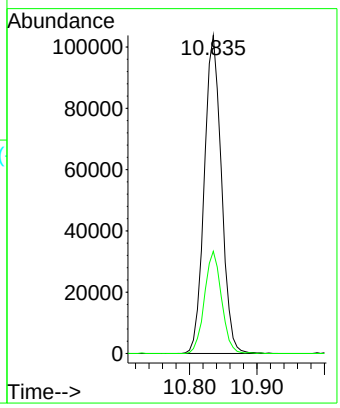




#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 183153

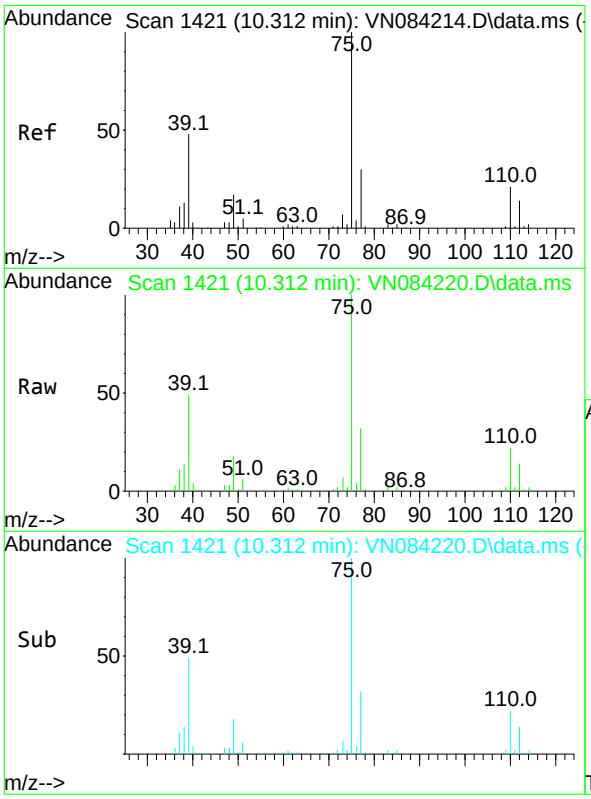
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

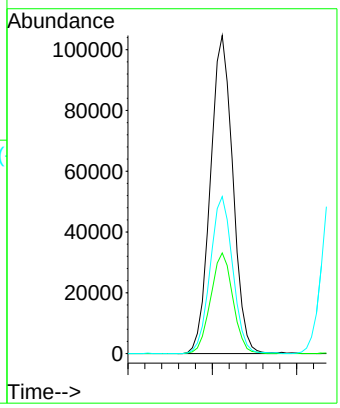
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

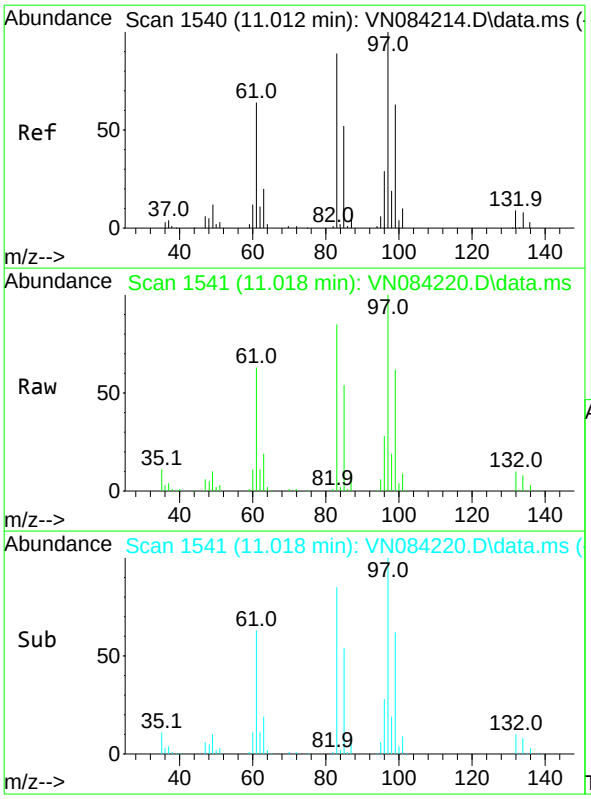


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

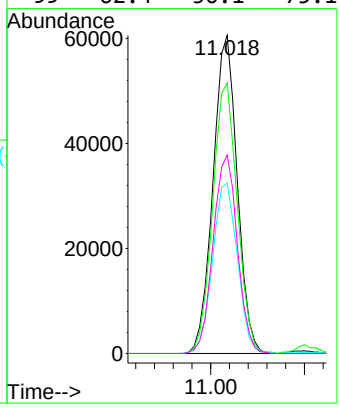




#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 97 Resp: 108550

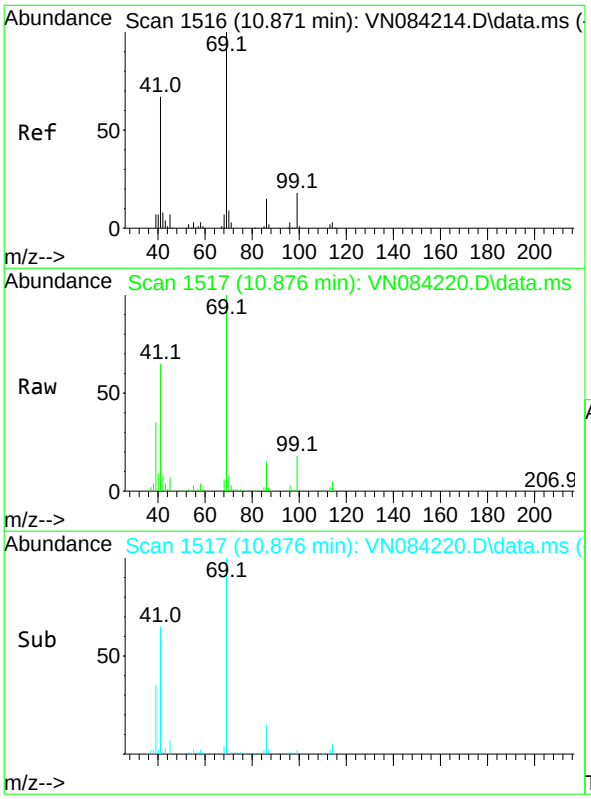
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.6	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

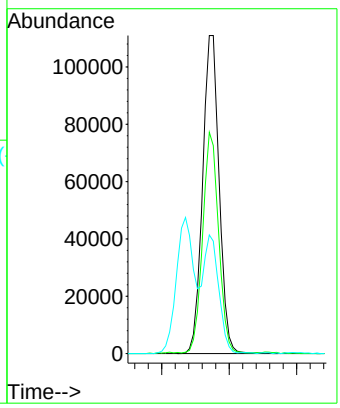
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

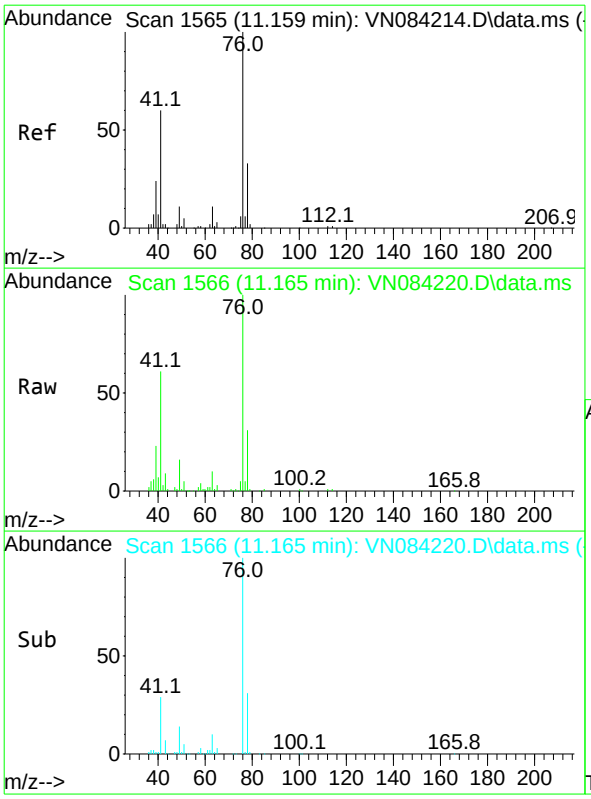


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

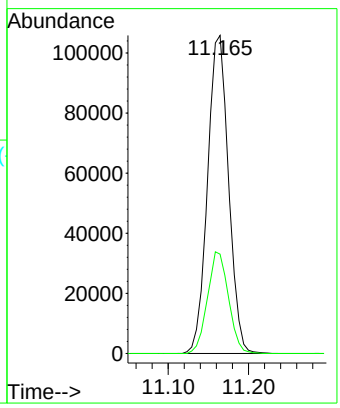




#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 191966

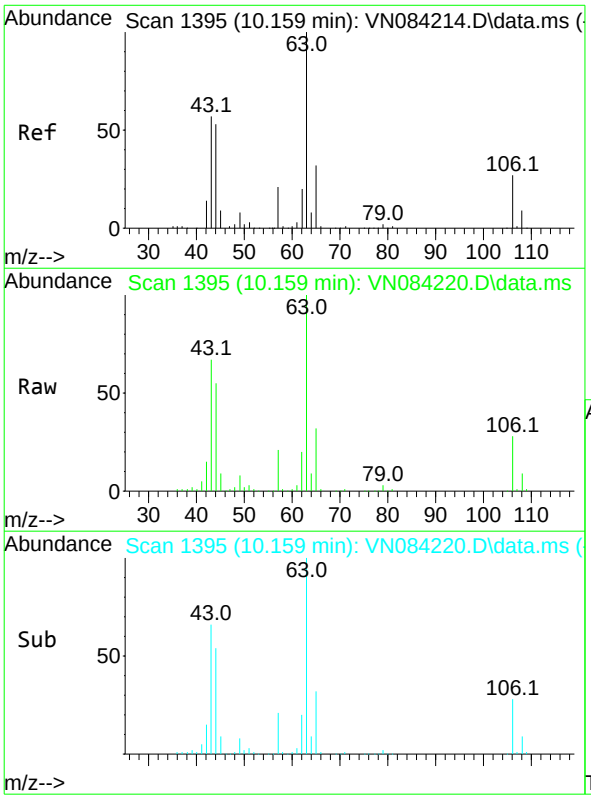
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

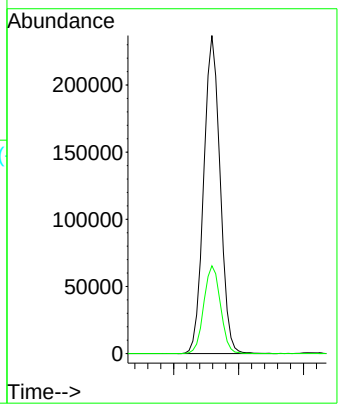
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

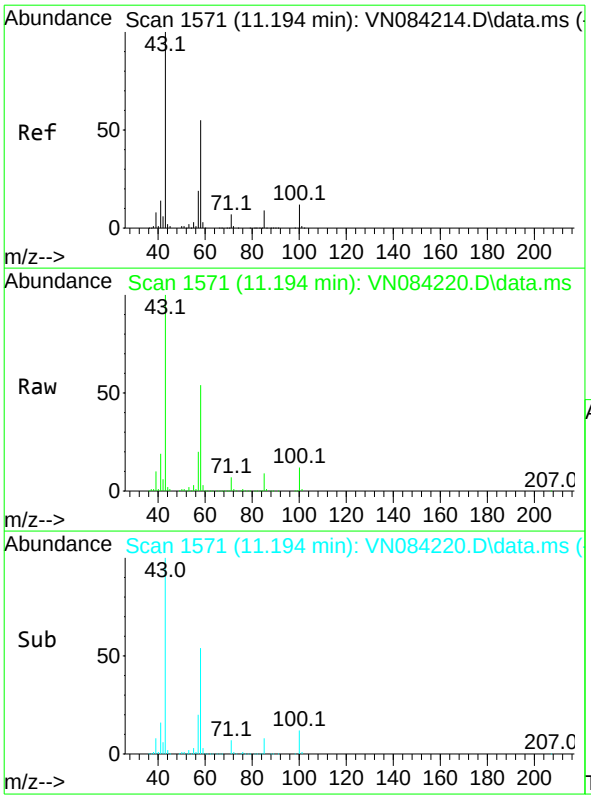


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6

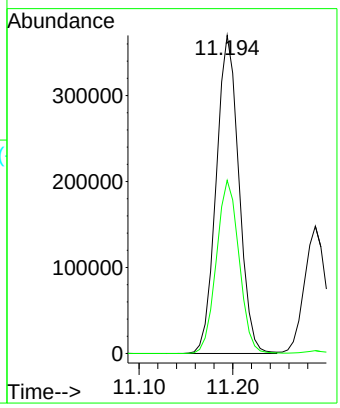




#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 621000

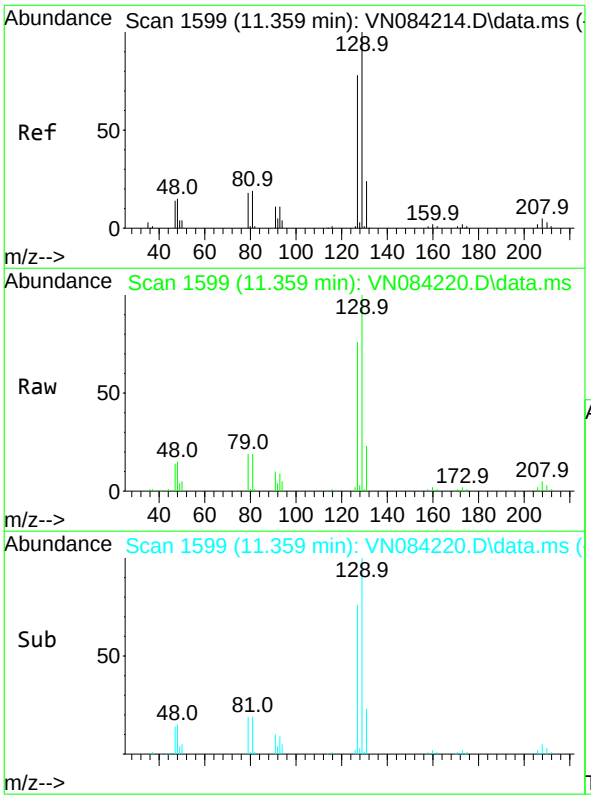
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

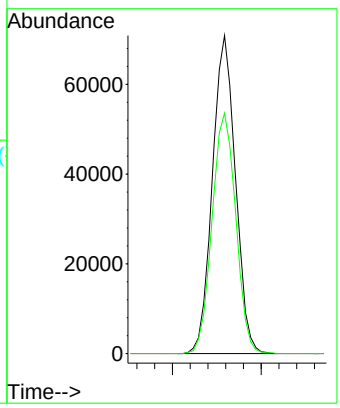
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

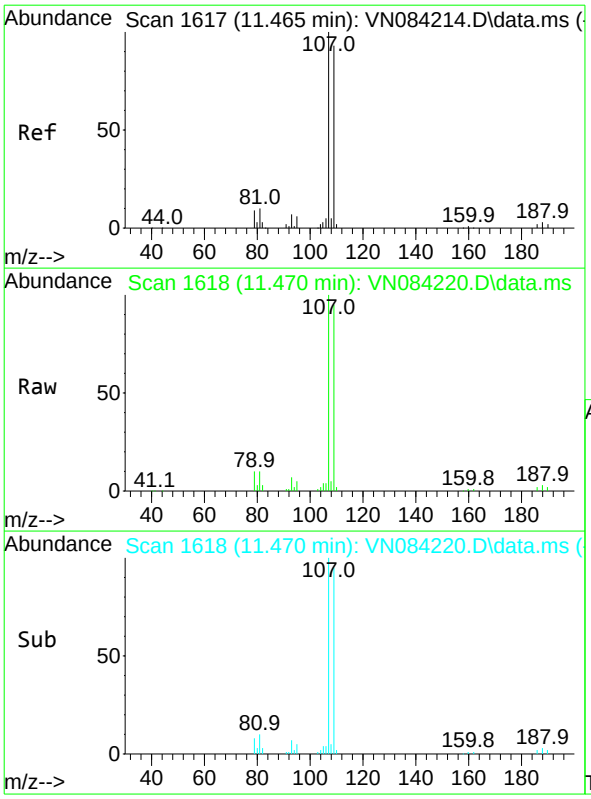


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9

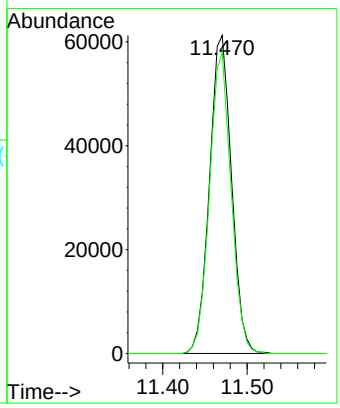




#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:107 Resp: 111244

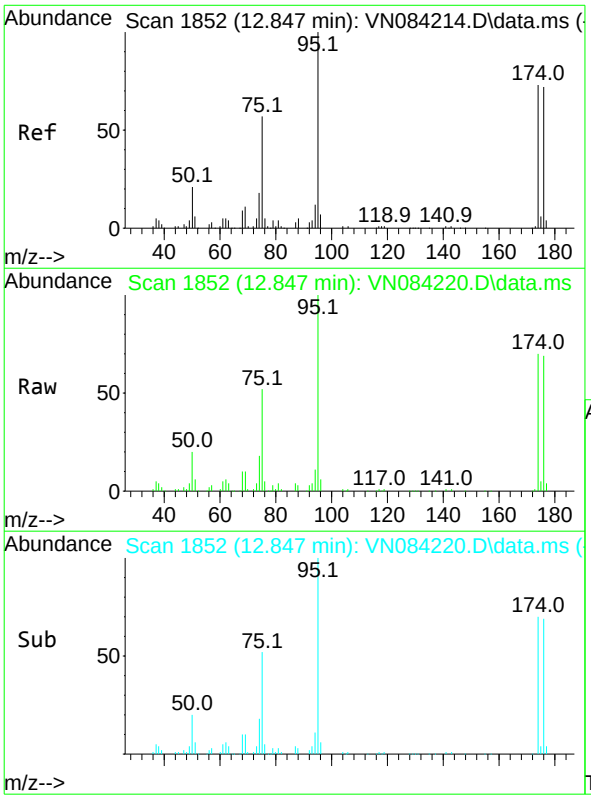
Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

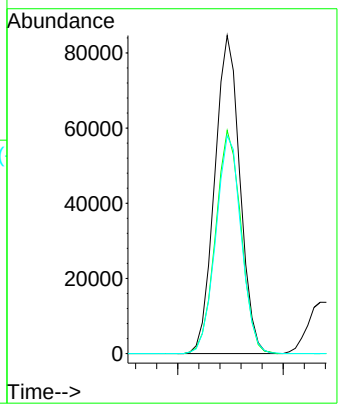
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

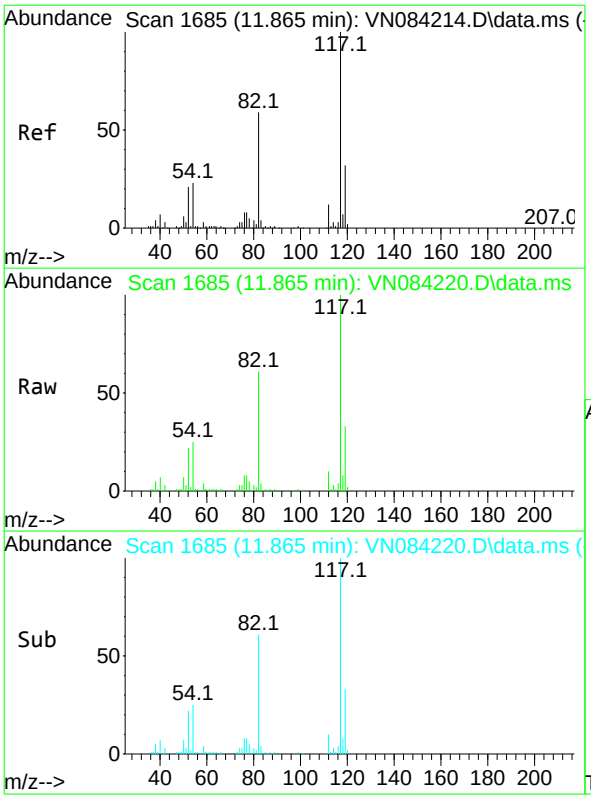


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

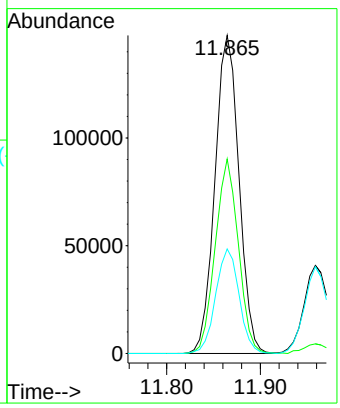




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 263364

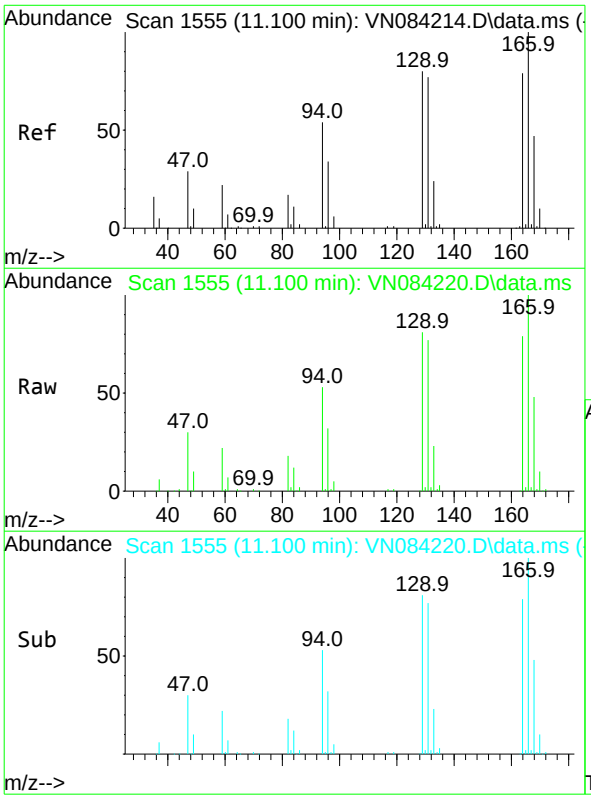
Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.2	70.8
119	32.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

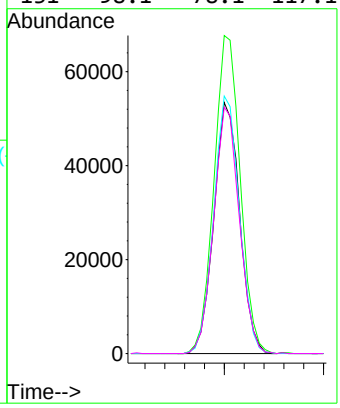
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

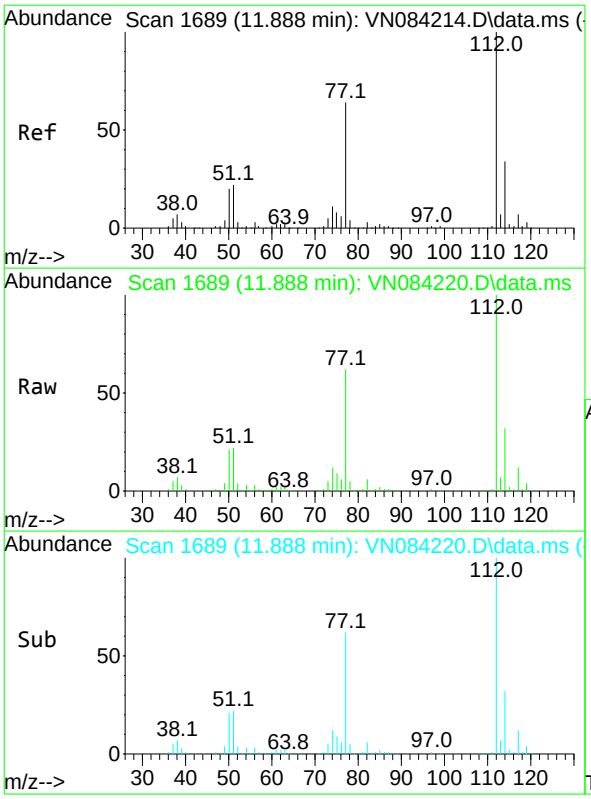


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

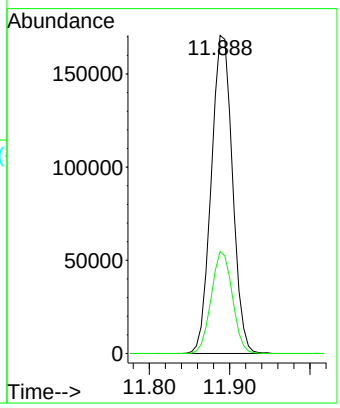




#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:112 Resp: 312728

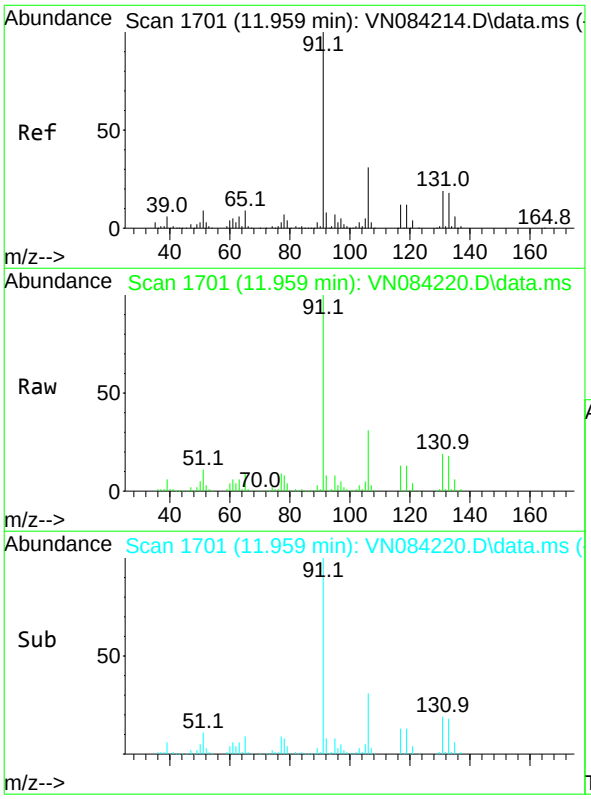
Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

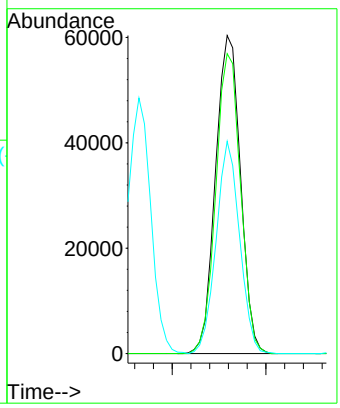
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

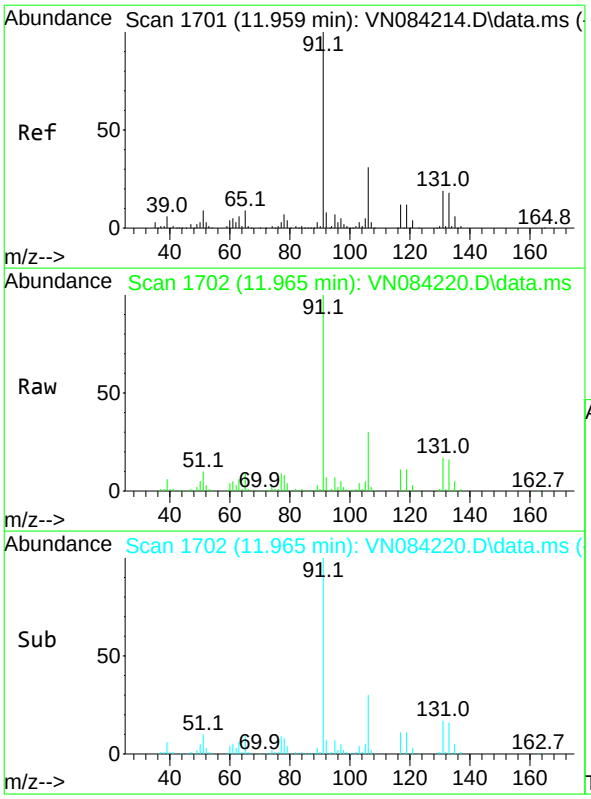


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

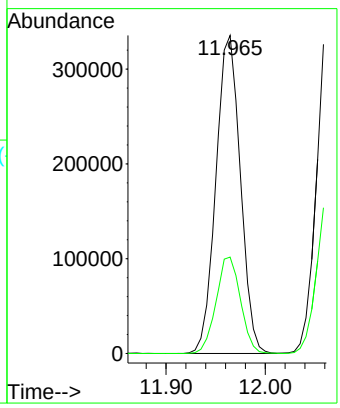




#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 573790

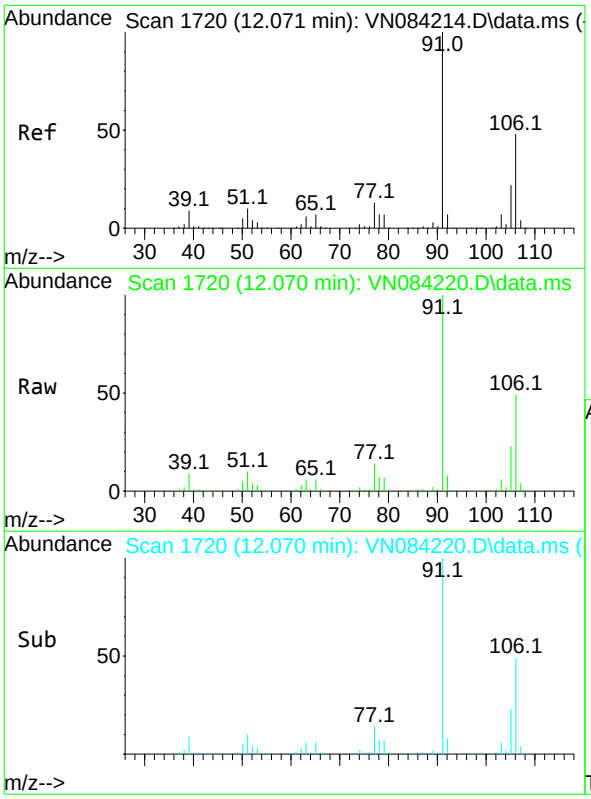
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

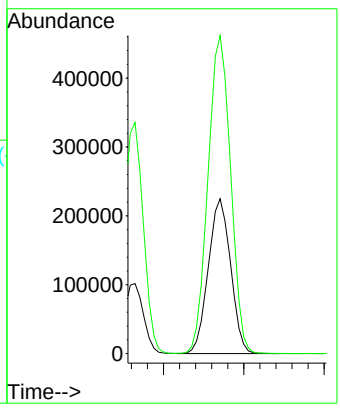
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

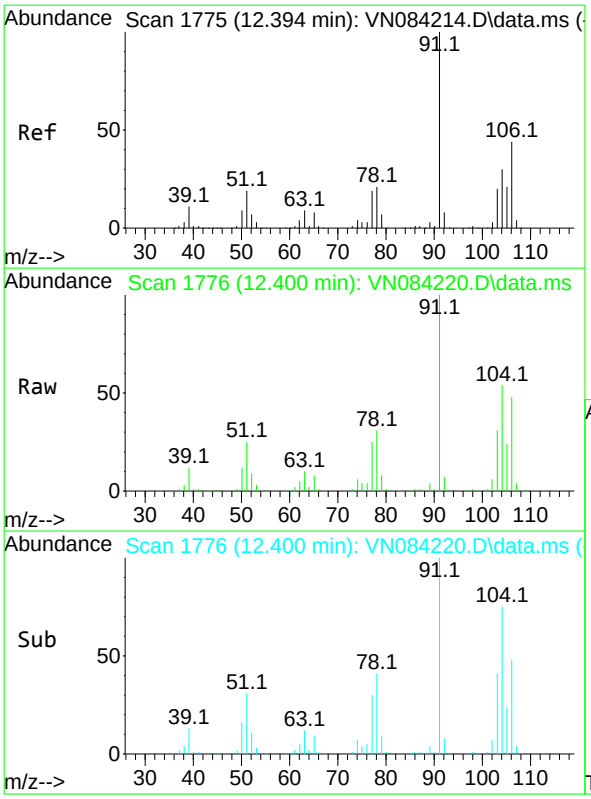


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7

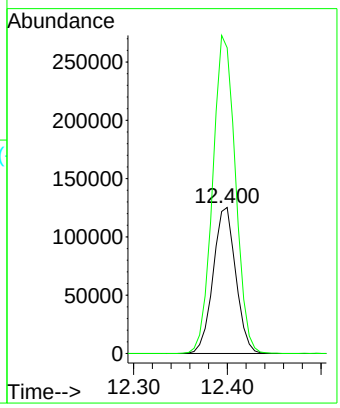




#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 209737

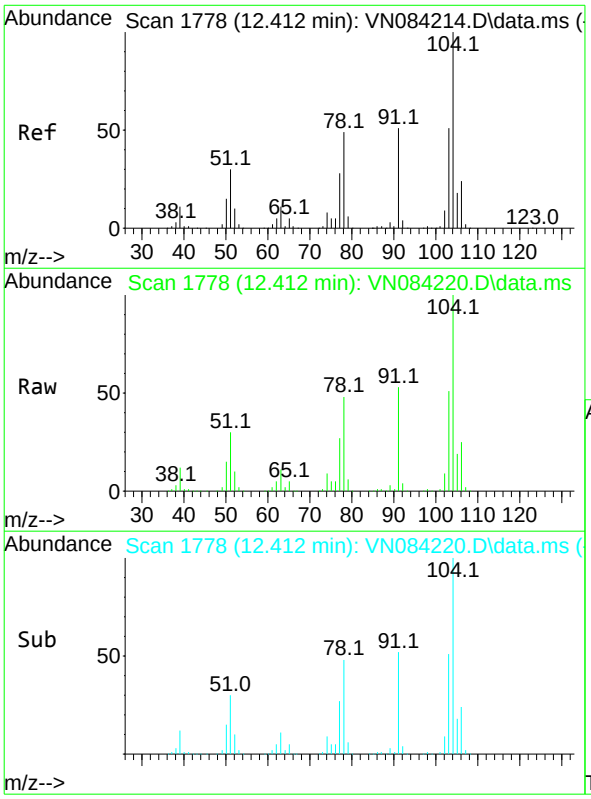
Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

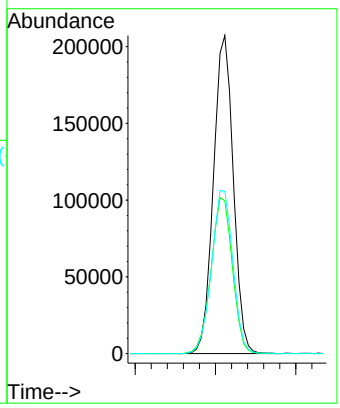
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

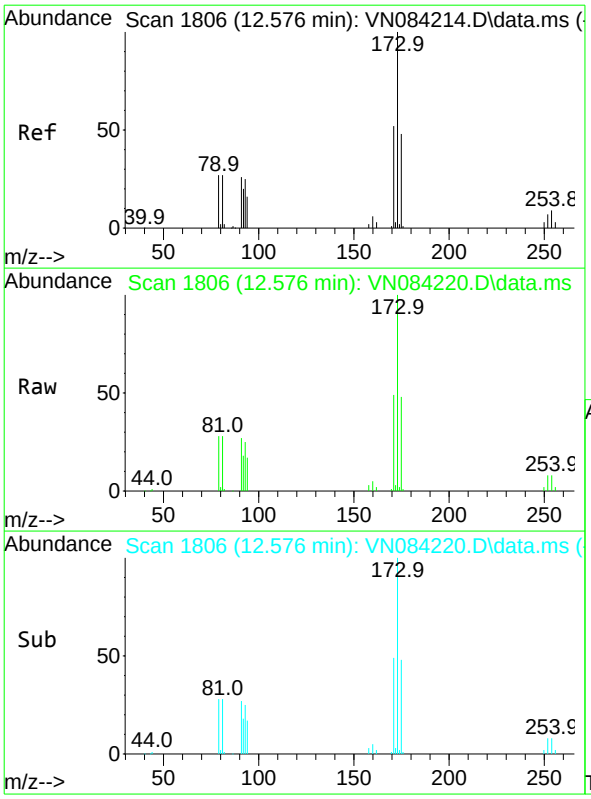


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

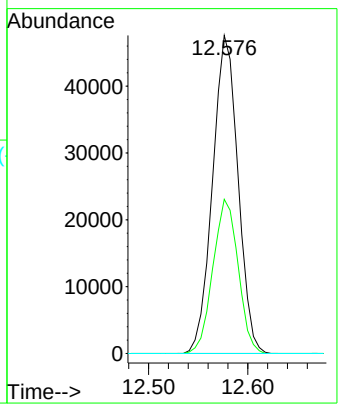




#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:173 Resp: 84787

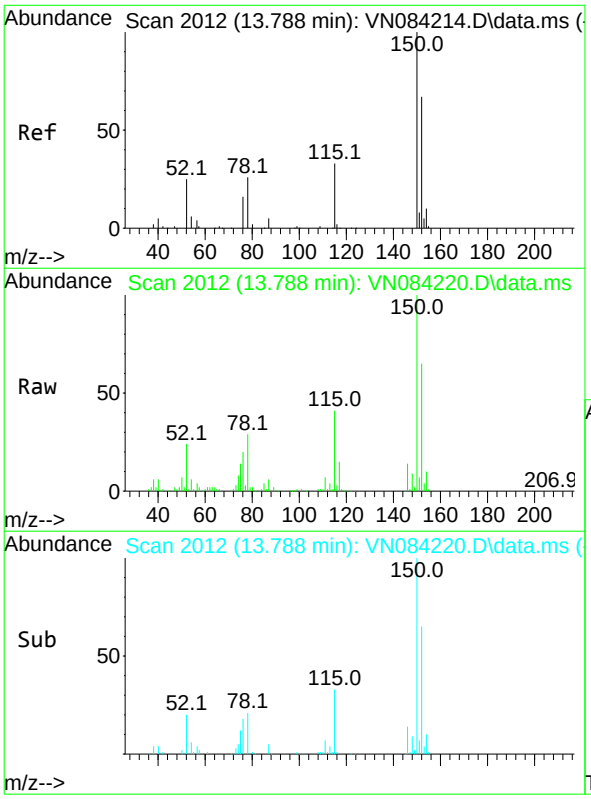
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

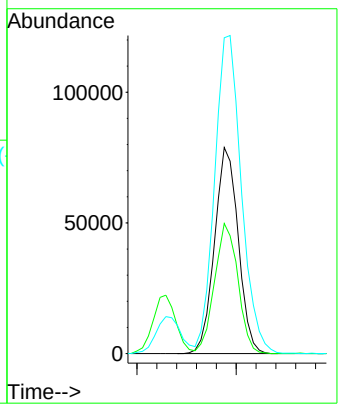
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

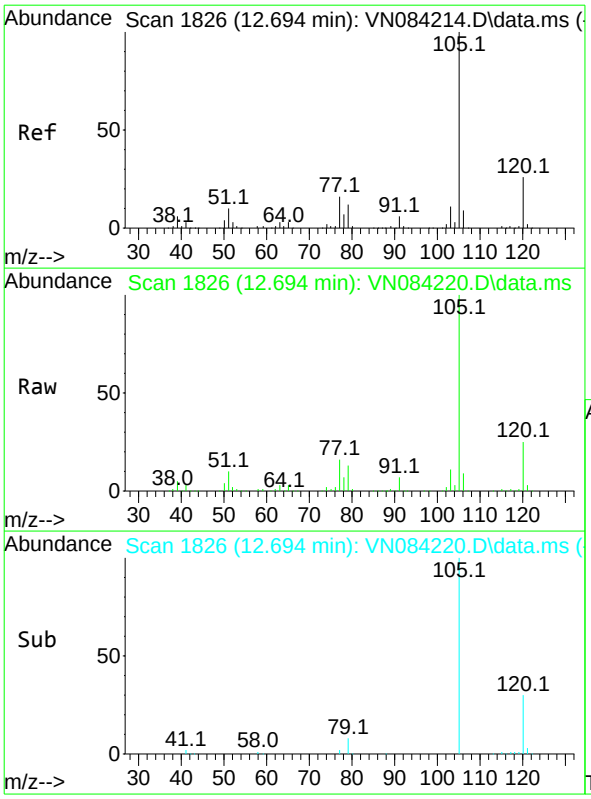


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

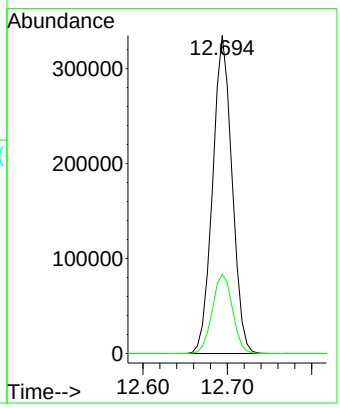




#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 535240

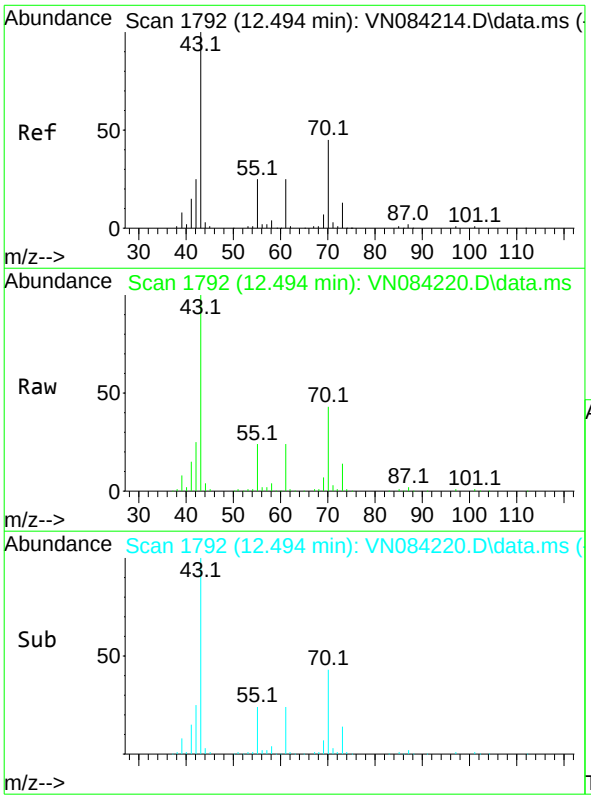
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

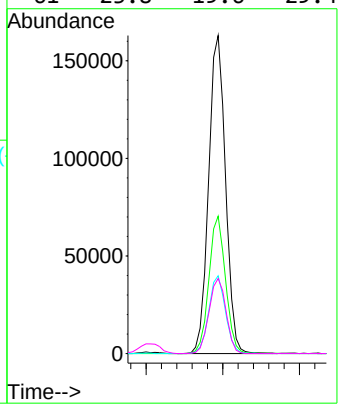
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

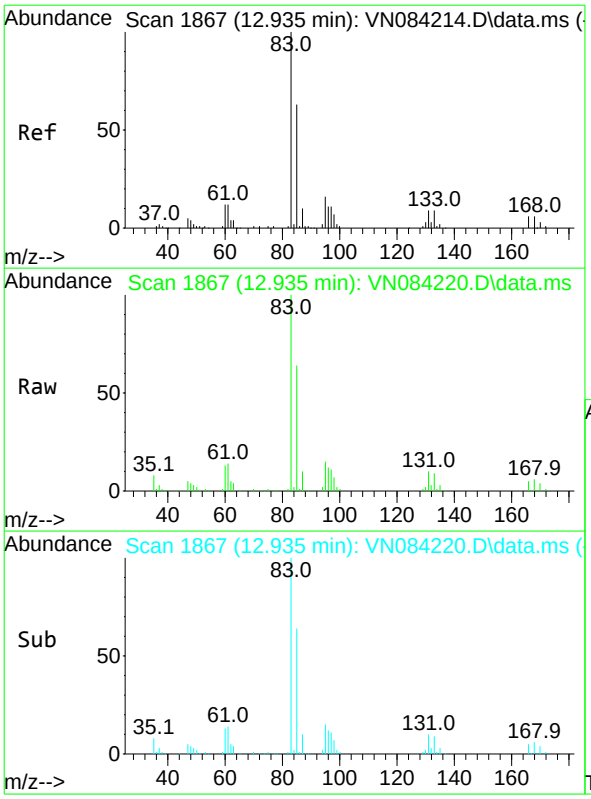


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

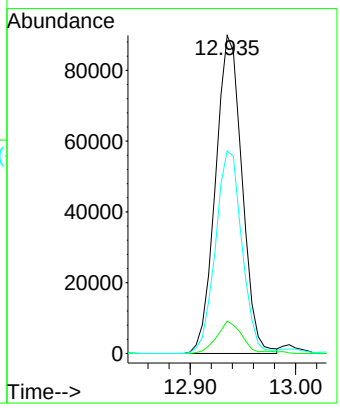




#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 157322

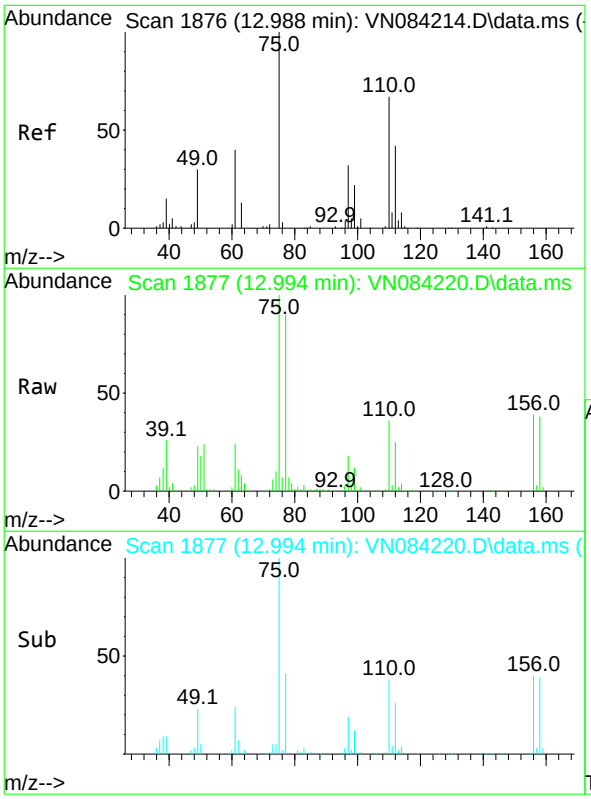
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

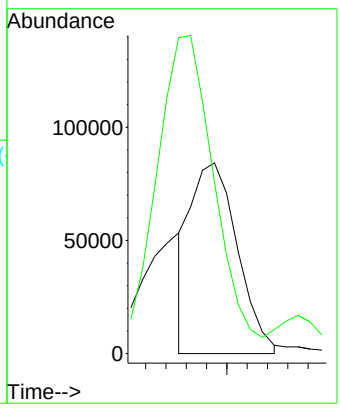
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

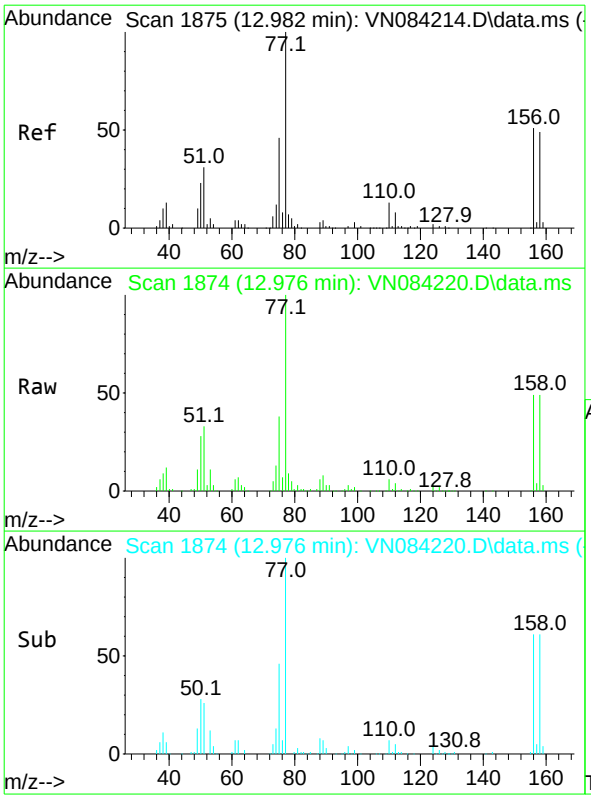


#76
1,2,3-Trichloropropane
Concen: 50.475 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 134836

Ion	Ratio	Lower	Upper
75	100		
77	208.3	96.9	290.7

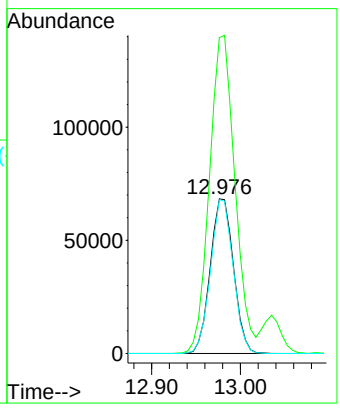




#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:156 Resp: 124463

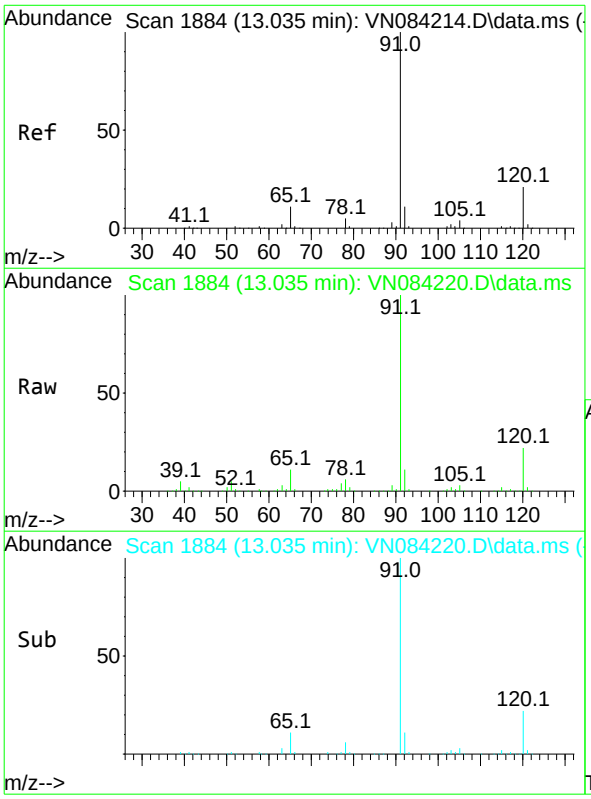
Ion	Ratio	Lower	Upper
156	100		
77	225.7	115.1	345.3
158	96.8	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

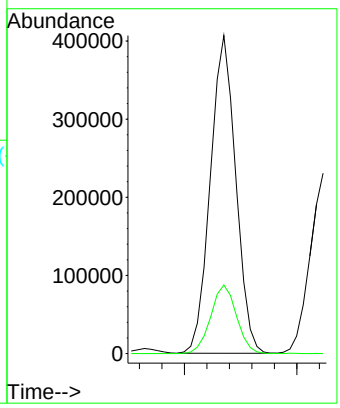
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

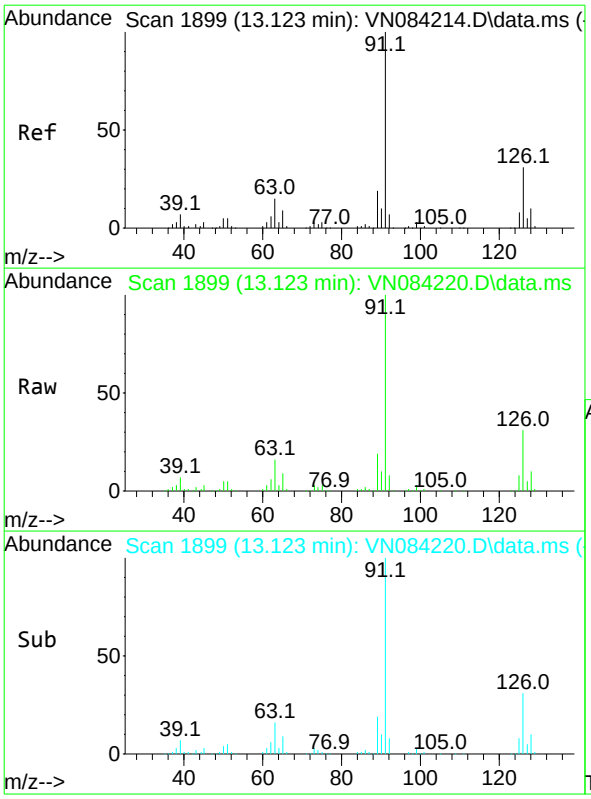


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

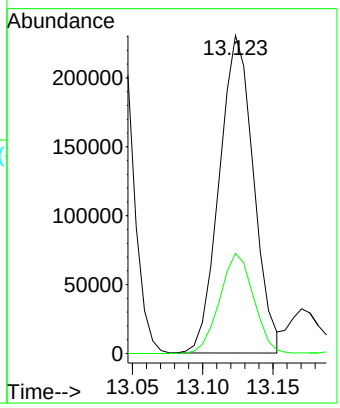




#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 390502

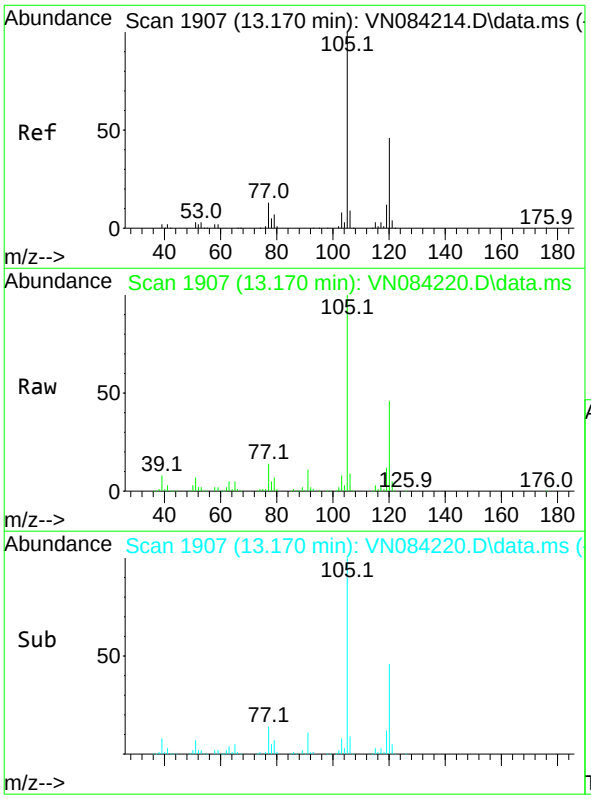
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

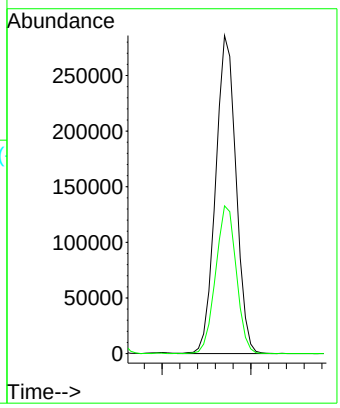
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

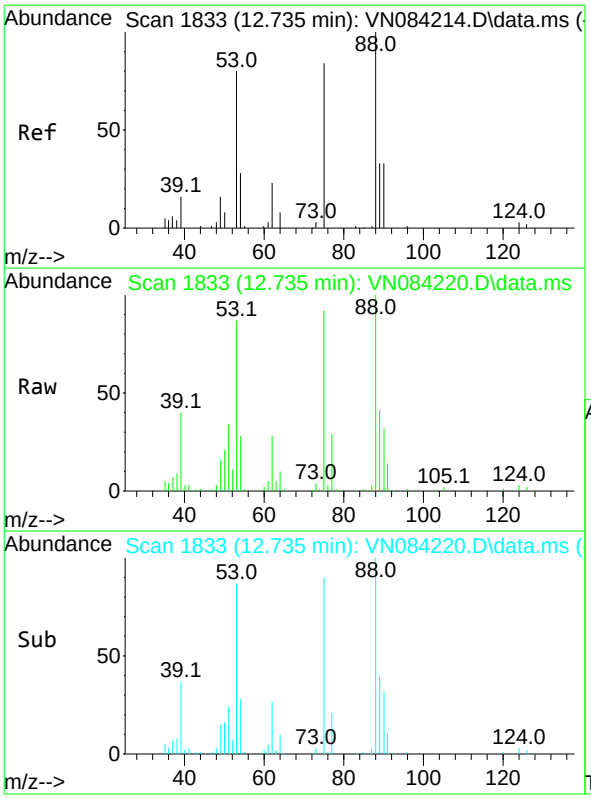


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1

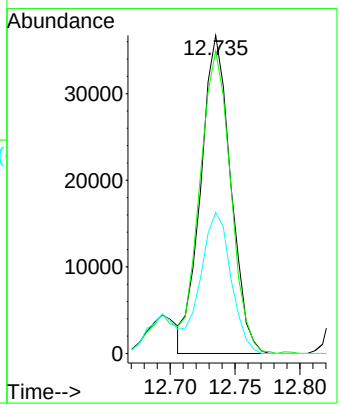




#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 58987

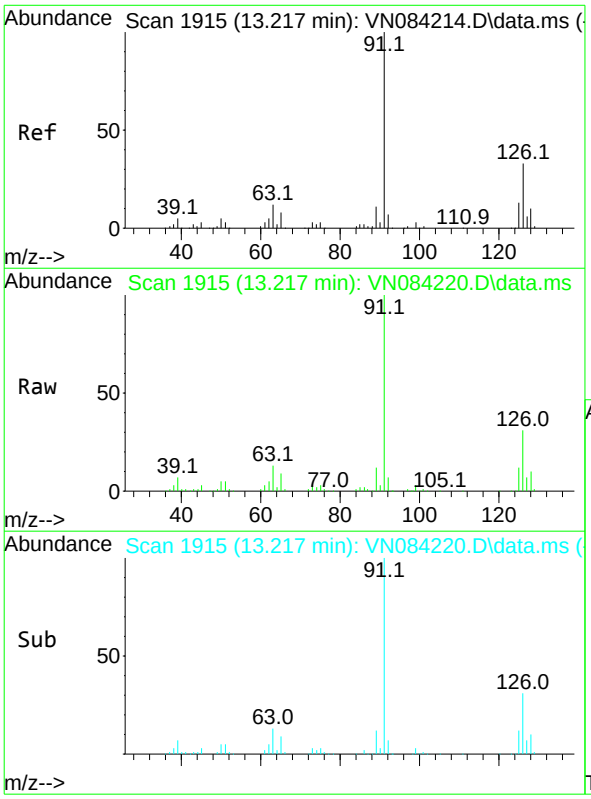
Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

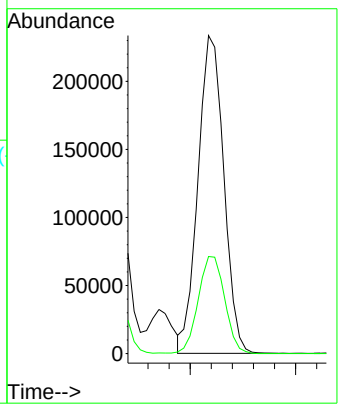
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

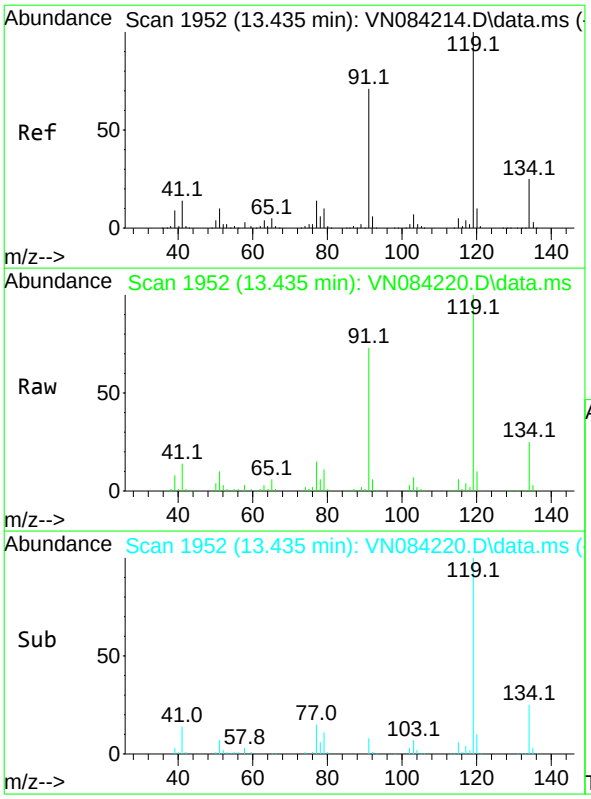


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

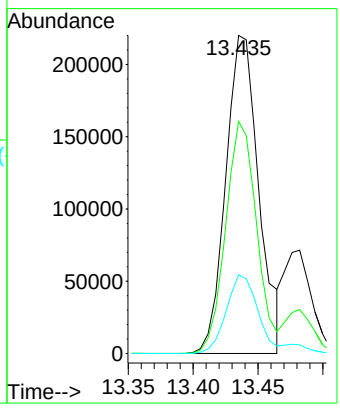




#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:119 Resp: 390221

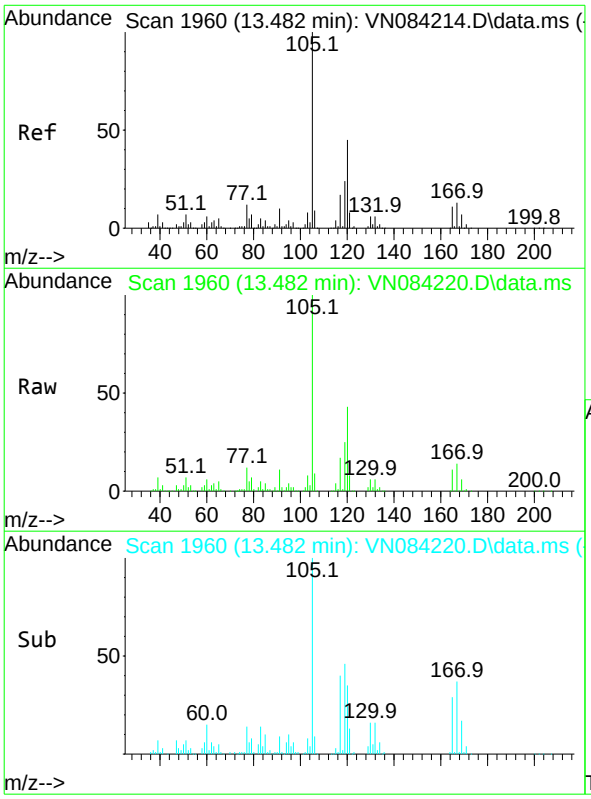
Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.1	102.3
134	23.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

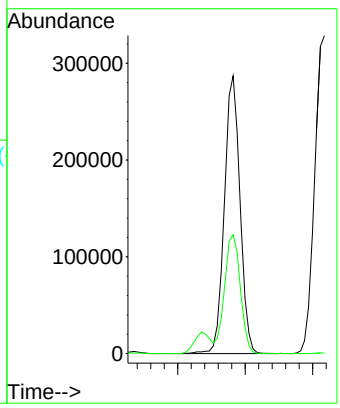
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

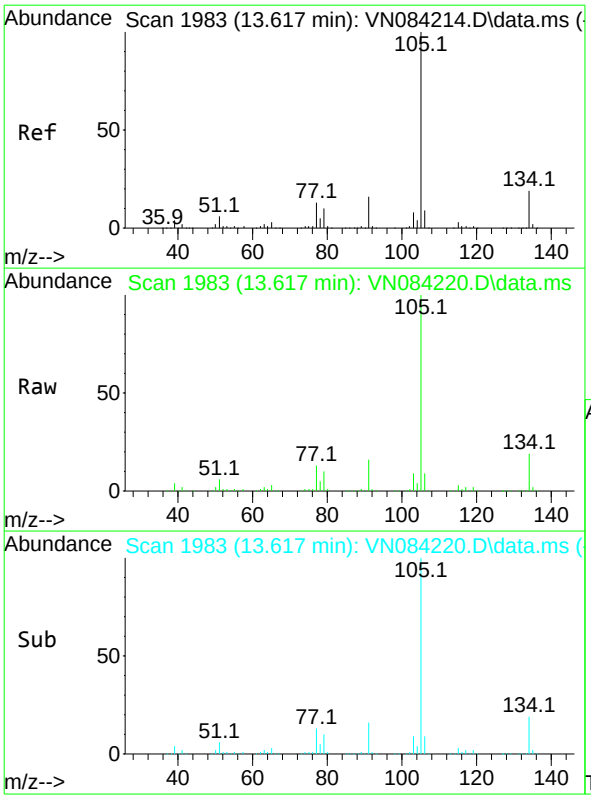


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8

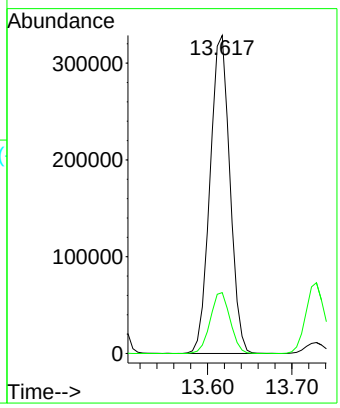




#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 536685

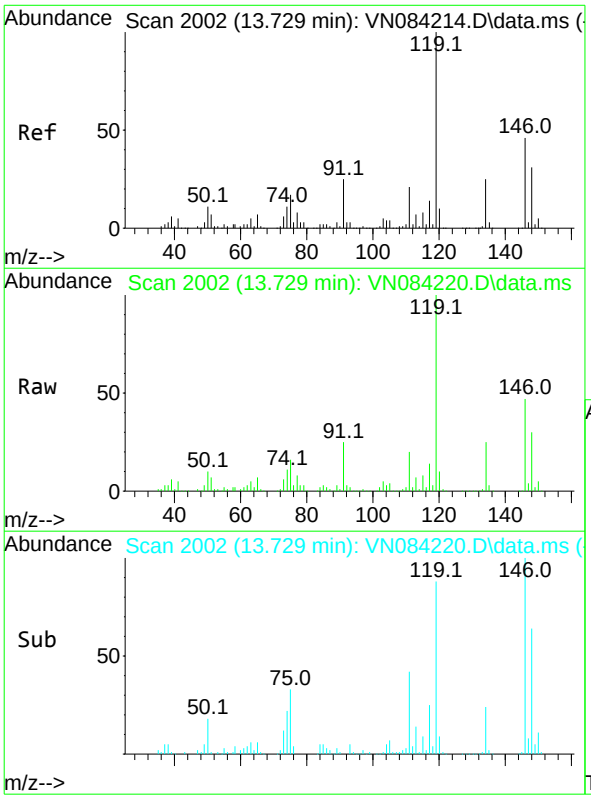
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

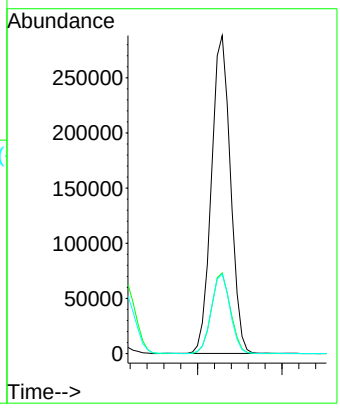
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

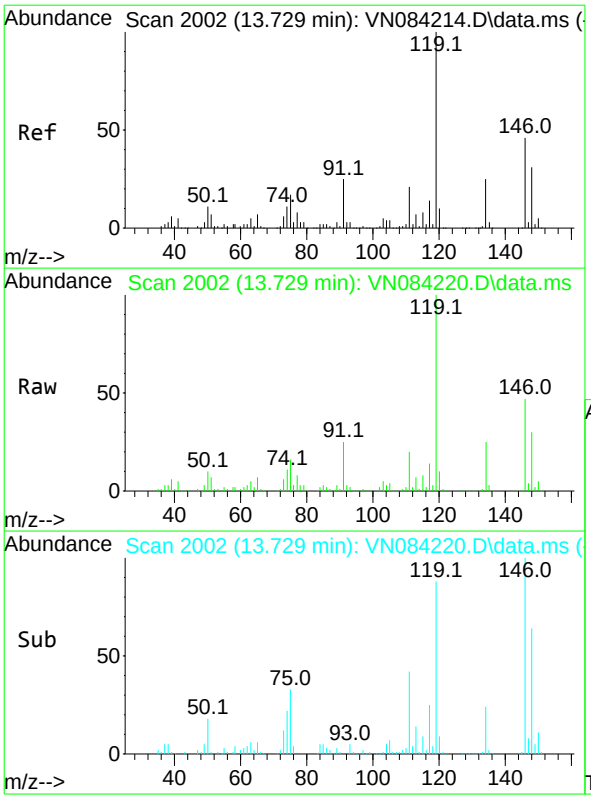


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

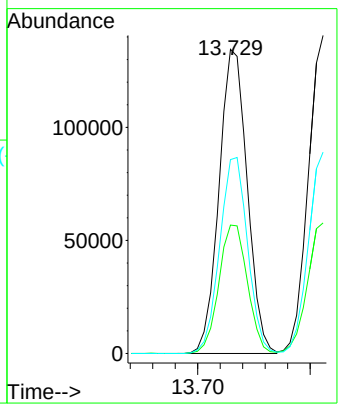




#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 234190

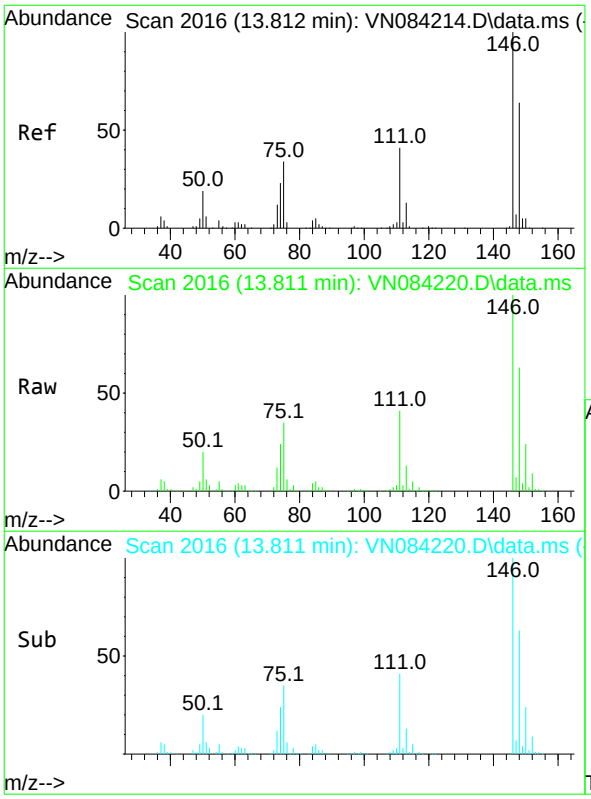
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

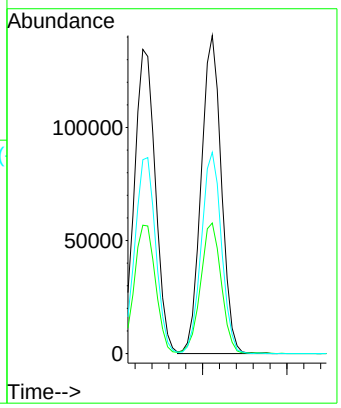
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

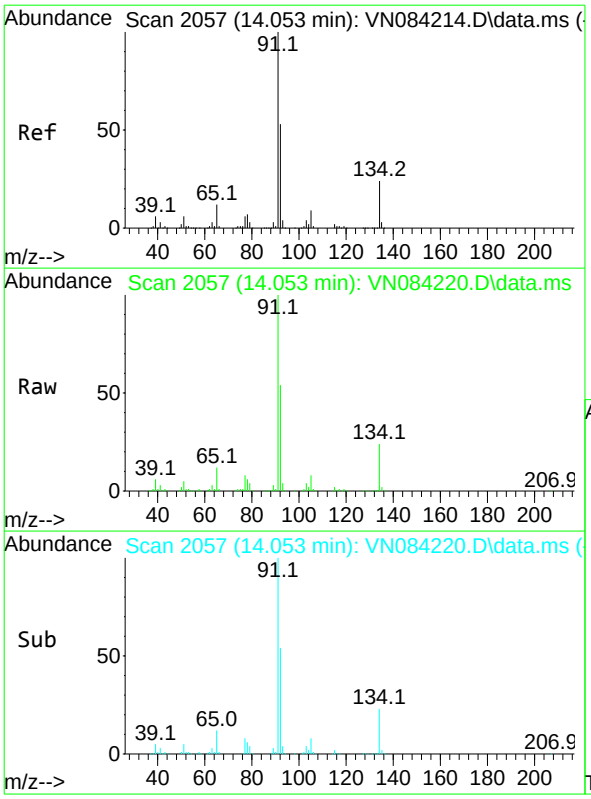


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

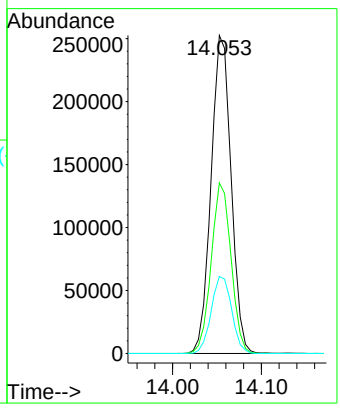




#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 396001

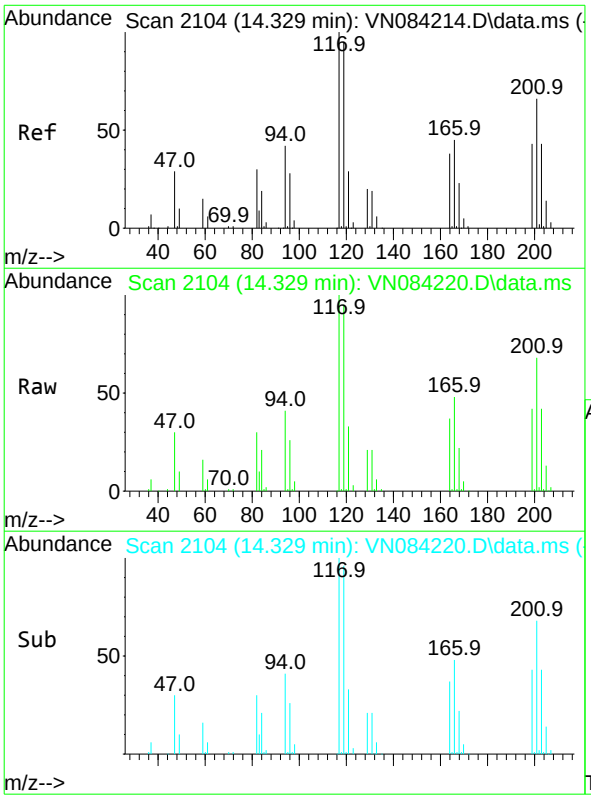
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.7	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

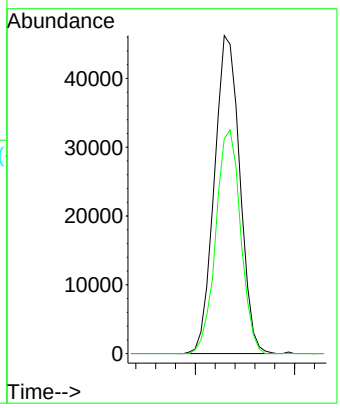
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

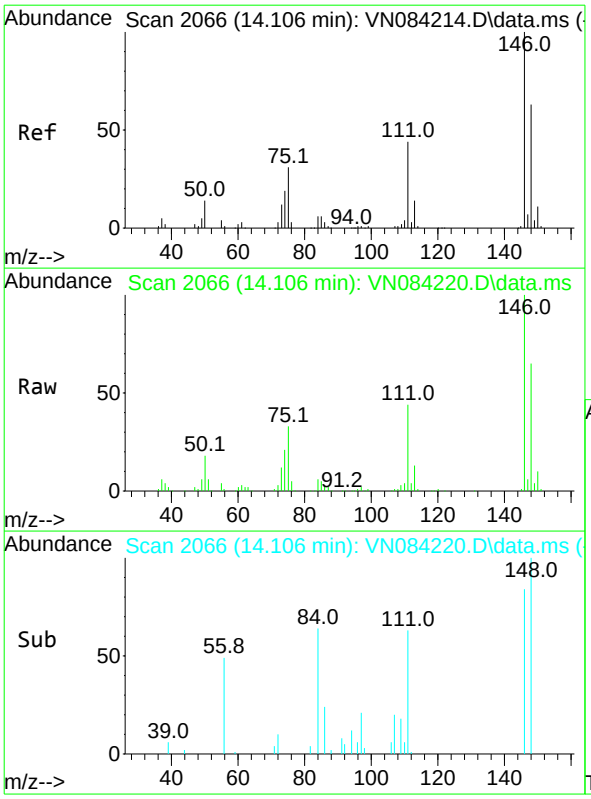


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2

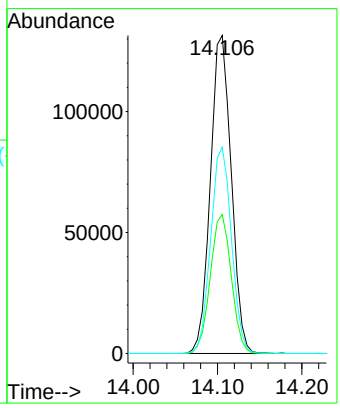




#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 226320

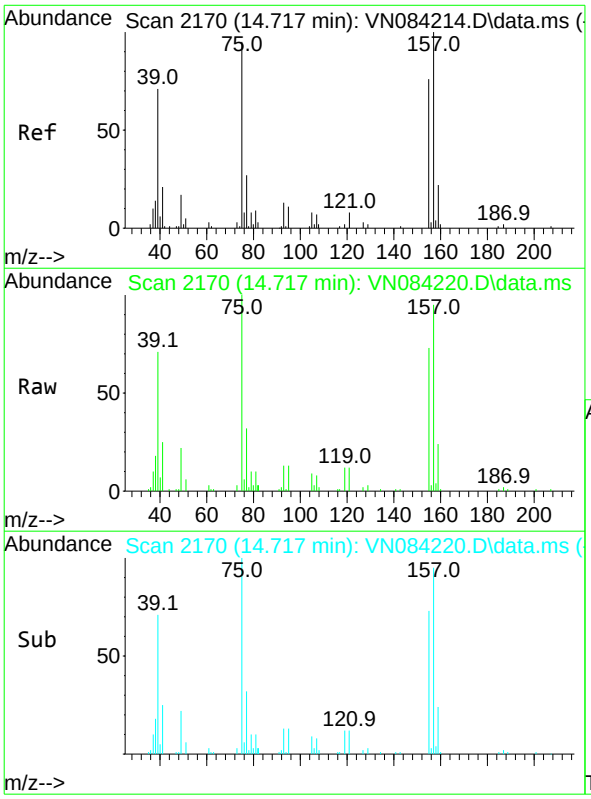
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

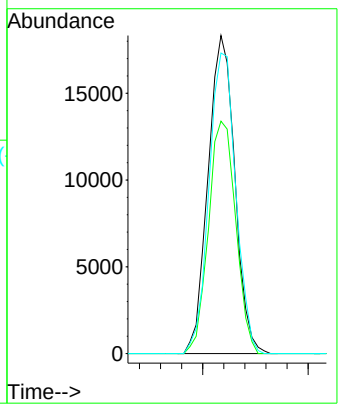
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

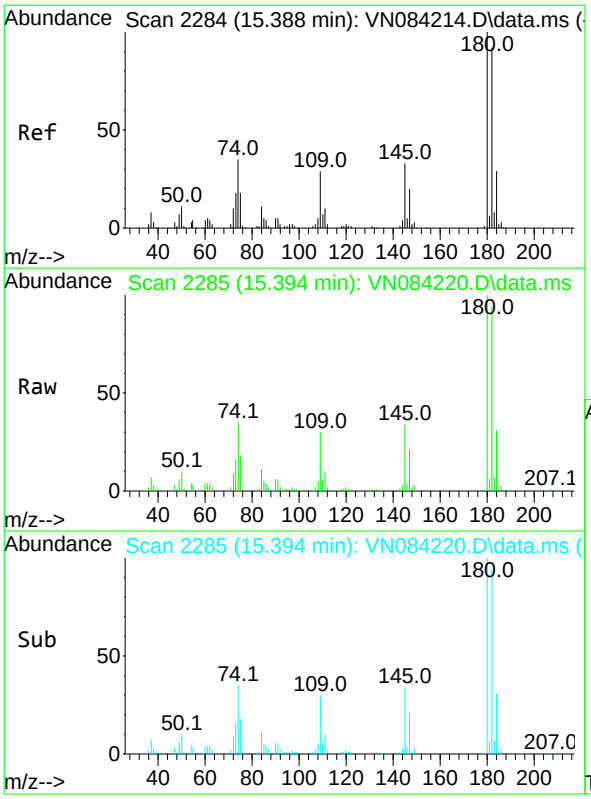


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

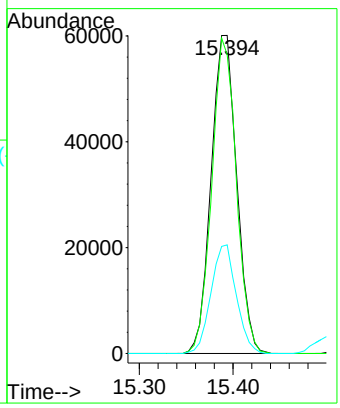




#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:180 Resp: 114157

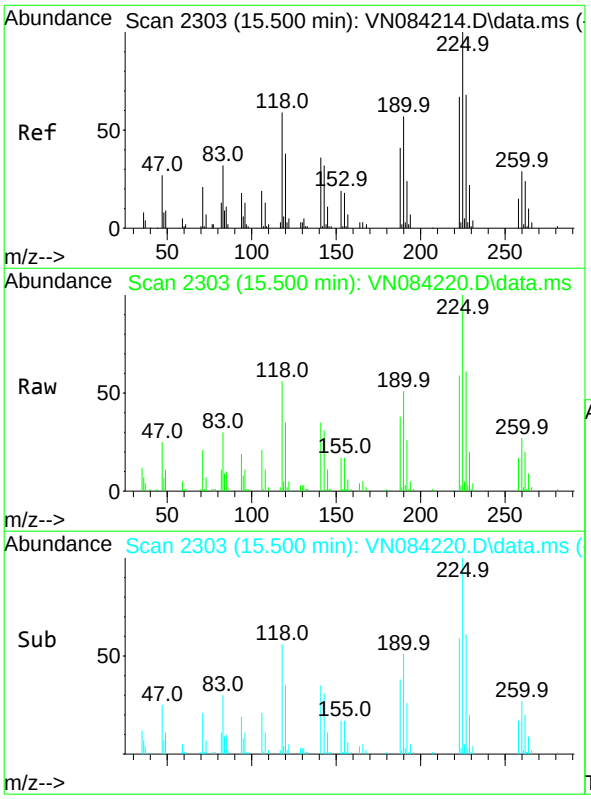
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

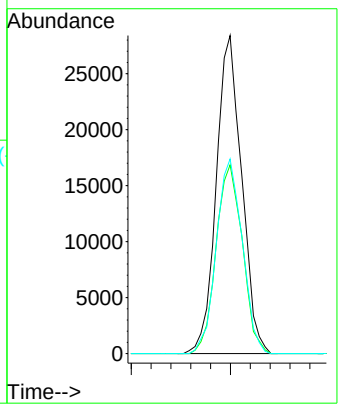
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

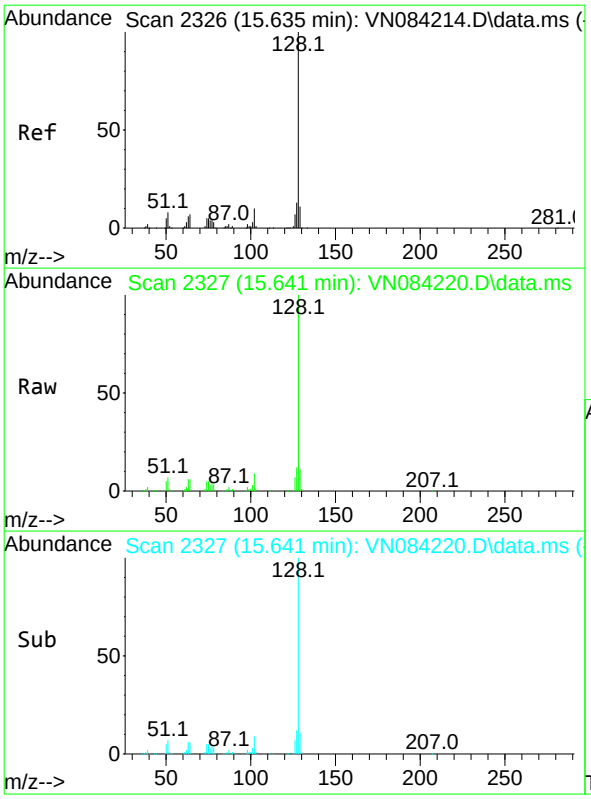


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

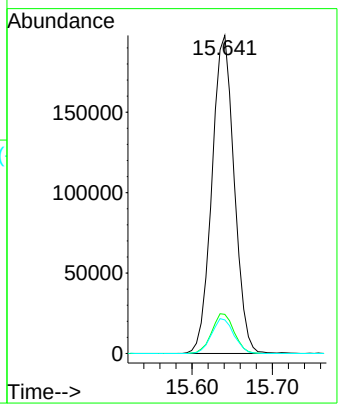




#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:128 Resp: 380549

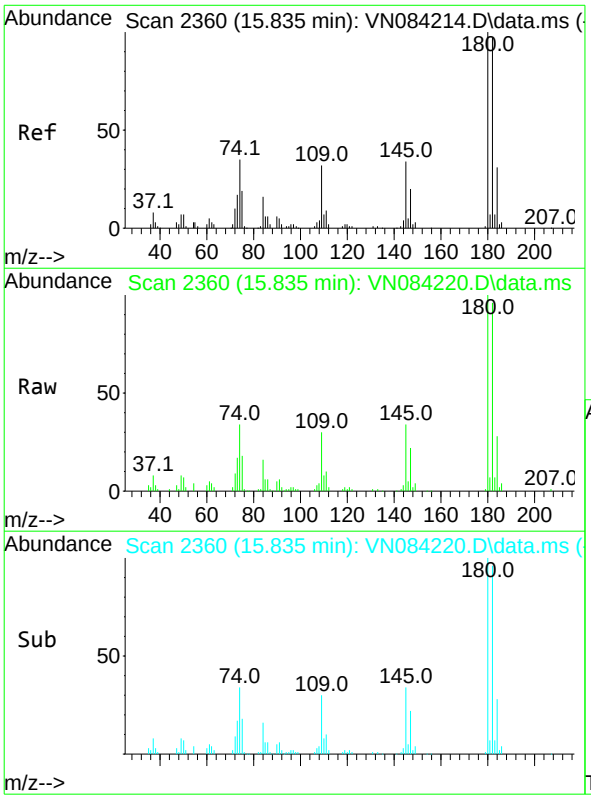
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

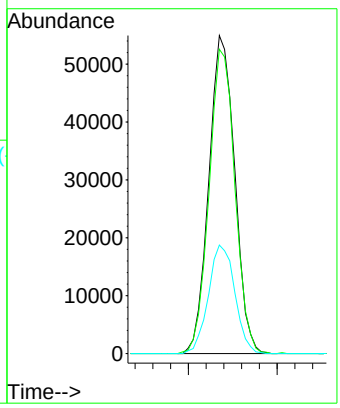
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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.: P4475 SAS No.: P4475 SDG No.: P4475

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 12:50

Lab File ID: VN084450.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	0.586	0.1	-13.19	20
Vinyl Chloride	0.654	0.602		-7.95	20
Bromomethane	0.431	0.382		-11.37	20
Chloroethane	0.468	0.386		-17.52	20
Trichlorofluoromethane	1.019	1.002		-1.67	20
1,1,2-Trichlorotrifluoroethane	0.584	0.581		-0.51	20
1,1-Dichloroethene	0.563	0.575		2.13	20
Acetone	0.318	0.304		-4.4	20
Carbon Disulfide	1.782	1.630		-8.53	20
Methyl tert-butyl Ether	1.900	1.950		2.63	20
Methylene Chloride	0.647	0.645		-0.31	20
trans-1,2-Dichloroethene	0.590	0.615		4.24	20
1,1-Dichloroethane	1.131	1.157	0.1	2.3	20
2-Butanone	0.434	0.422		-2.77	20
Carbon Tetrachloride	0.525	0.551		4.95	20
cis-1,2-Dichloroethene	0.713	0.729		2.24	20
Chloroform	1.175	1.210		2.98	20
1,1,1-Trichloroethane	1.055	1.084		2.75	20
Methylcyclohexane	0.533	0.580		8.82	20
Benzene	1.492	1.558		4.42	20
1,2-Dichloroethane	0.506	0.521		2.96	20
Trichloroethene	0.348	0.369		6.03	20
1,2-Dichloropropane	0.353	0.380		7.65	20
Bromodichloromethane	0.529	0.565		6.8	20
4-Methyl-2-Pentanone	0.468	0.488		4.27	20
Toluene	0.910	0.982		7.91	20
t-1,3-Dichloropropene	0.539	0.578		7.24	20
cis-1,3-Dichloropropene	0.580	0.629		8.45	20
1,1,2-Trichloroethane	0.326	0.358		9.82	20
2-Hexanone	0.349	0.360		3.15	20
Dibromochloromethane	0.385	0.425		10.39	20
Tetrachloroethene	0.348	0.359		3.16	20
Chlorobenzene	1.109	1.161	0.3	4.69	20
Ethyl Benzene	1.961	2.068		5.46	20
m/p-Xylenes	0.725	0.790		8.97	20
o-Xylene	0.686	0.757		10.35	20
Styrene	1.162	1.307		12.48	20
Bromoform	0.281	0.306	0.1	8.9	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.: P4475 SAS No.: P4475 SDG No.: P4475

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 12:50

Lab File ID: VN084450.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	3.937		3.2	20
1,1,2,2-Tetrachloroethane	1.147	1.130	0.3	-1.48	20
1,3-Dichlorobenzene	1.727	1.782		3.13	20
1,4-Dichlorobenzene	1.744	1.783		2.24	20
1,2-Dichlorobenzene	1.693	1.708		0.89	20
1,2-Dichloroethane-d4	0.741	0.701		-5.4	20
Dibromofluoromethane	0.330	0.335		1.51	20
Toluene-d8	1.213	1.224		0.91	20
4-Bromofluorobenzene	0.442	0.456		3.17	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\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120579	47.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.580%			
35) Dibromofluoromethane	8.165	113	98248	50.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.565	98	358680	50.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.847	95	133654	51.620	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	82254	40.436	ug/l	95
3) Chloromethane	2.359	50	100723	43.365	ug/l	97
4) Vinyl Chloride	2.512	62	103481	45.994	ug/l	99
5) Bromomethane	2.942	94	65682	44.260	ug/l	98
6) Chloroethane	3.112	64	66444	41.236	ug/l	96
7) Trichlorofluoromethane	3.495	101	172264	49.170	ug/l	97
8) Diethyl Ether	3.959	74	63668	48.999	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	99832	49.731	ug/l	98
10) Methyl Iodide	4.583	142	131239	50.766	ug/l	99
11) Tert butyl alcohol	5.524	59	90656	215.618	ug/l	100
12) 1,1-Dichloroethene	4.342	96	98864	51.058	ug/l	98
13) Acrolein	4.183	56	109819	227.519	ug/l	100
14) Allyl chloride	5.024	41	173481	51.588	ug/l	90
15) Acrylonitrile	5.718	53	265121	249.703	ug/l	98
16) Acetone	4.424	43	261105	238.375	ug/l	95
17) Carbon Disulfide	4.706	76	280239	45.712	ug/l	100
18) Methyl Acetate	5.024	43	115965	48.574	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	335397	51.320	ug/l	99
20) Methylene Chloride	5.271	84	110864	49.790	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	105749	52.129	ug/l	99
22) Diisopropyl ether	6.671	45	351223	50.493	ug/l	98
23) Vinyl Acetate	6.600	43	1340680	259.866	ug/l	99
24) 1,1-Dichloroethane	6.565	63	198970	51.151	ug/l	99
25) 2-Butanone	7.483	43	362565	243.024	ug/l	99
26) 2,2-Dichloropropane	7.488	77	179346	51.135	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	125320	51.122	ug/l	98
28) Bromochloromethane	7.812	49	83517	48.121	ug/l	98
29) Tetrahydrofuran	7.835	42	216232	234.864	ug/l	95
30) Chloroform	7.965	83	208060	51.493	ug/l	100
31) Cyclohexane	8.259	56	172015	45.545	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	186384	51.361	ug/l	98
36) 1,1-Dichloropropene	8.371	75	146576	52.238	ug/l	100
37) Ethyl Acetate	7.559	43	137478	47.758	ug/l	98
38) Carbon Tetrachloride	8.359	117	161513	52.474	ug/l	100
39) Methylcyclohexane	9.600	83	169802	54.374	ug/l	96
40) Benzene	8.606	78	456615	52.231	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	80630	51.594	ug/l		98
42) 1,2-Dichloroethane	8.671	62	152654	51.507	ug/l		100
43) Isopropyl Acetate	8.688	43	237917	42.196	ug/l		98
44) Trichloroethene	9.353	130	108146	52.965	ug/l		97
45) 1,2-Dichloropropane	9.624	63	111202	53.771	ug/l		99
46) Dibromomethane	9.706	93	76980	55.158	ug/l		97
47) Bromodichloromethane	9.888	83	165466	53.365	ug/l		99
48) Methyl methacrylate	9.682	41	115233	51.341	ug/l		98
49) 1,4-Dioxane	9.694	88	42211	1021.535	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	714612	260.776	ug/l		99
52) Toluene	10.629	92	287688	53.965	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	169316	53.570	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	184315	54.216	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	104956	54.918	ug/l		96
56) Ethyl methacrylate	10.876	69	172502	54.855	ug/l		98
57) 1,3-Dichloropropane	11.165	76	180331	52.807	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	399737	274.020	ug/l		98
59) 2-Hexanone	11.194	43	527091	257.349	ug/l		97
60) Dibromochloromethane	11.359	129	124650	55.202	ug/l		99
61) 1,2-Dibromoethane	11.471	107	104654	52.700	ug/l		99
64) Tetrachloroethene	11.100	164	95043	51.605	ug/l		98
65) Chlorobenzene	11.888	112	306935	52.353	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	106232	52.606	ug/l		99
67) Ethyl Benzene	11.965	91	546876	52.745	ug/l		100
68) m/p-Xylenes	12.070	106	417795	108.934	ug/l		100
69) o-Xylene	12.400	106	200130	55.153	ug/l		98
70) Styrene	12.412	104	345696	56.245	ug/l		99
71) Bromoform	12.576	173	80848	54.380	ug/l	#	99
73) Isopropylbenzene	12.694	105	516056	51.598	ug/l		100
74) N-amyl acetate	12.494	43	216664	47.839	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	148124	49.254	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122497m	45.781	ug/l		
77) Bromobenzene	12.976	156	123066	51.012	ug/l		96
78) n-propylbenzene	13.035	91	621310	53.618	ug/l		99
79) 2-Chlorotoluene	13.123	91	377092	50.998	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	439162	53.830	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	53008	47.495	ug/l		99
82) 4-Chlorotoluene	13.217	91	384836	51.701	ug/l		99
83) tert-Butylbenzene	13.435	119	374897	51.702	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	444051	54.030	ug/l		100
85) sec-Butylbenzene	13.612	105	524213	54.176	ug/l		99
86) p-Isopropyltoluene	13.729	119	442063	55.249	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	233492	51.592	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	233732	51.140	ug/l		99
89) n-Butylbenzene	14.053	91	383538	52.864	ug/l		99
90) Hexachloroethane	14.329	117	80426	49.520	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223911	50.456	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28998	46.726	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	119635	54.732	ug/l		99
94) Hexachlorobutadiene	15.500	225	54127	49.655	ug/l		97
95) Naphthalene	15.641	128	369388	50.976	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	116662	53.319	ug/l		98

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Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

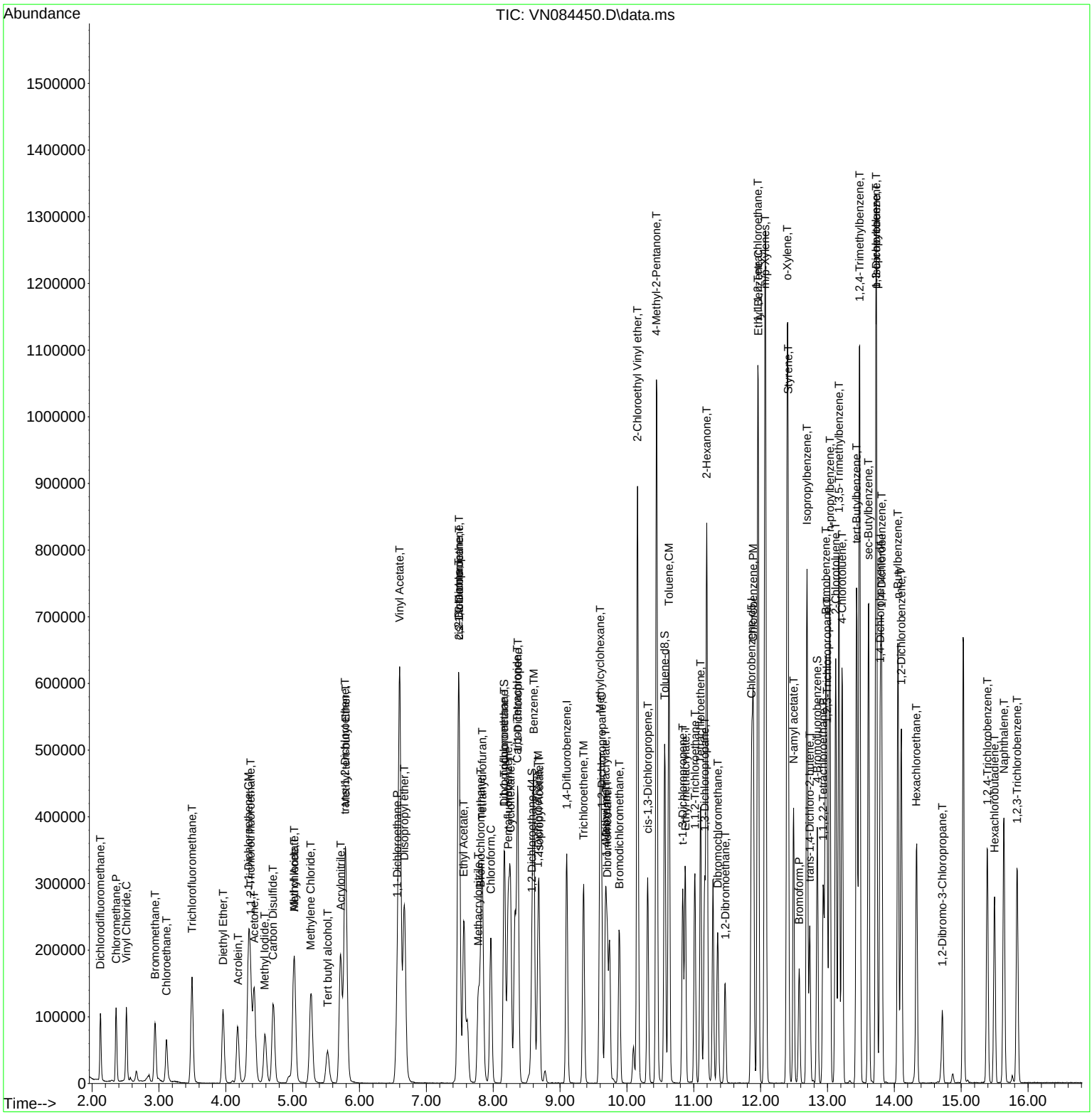
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

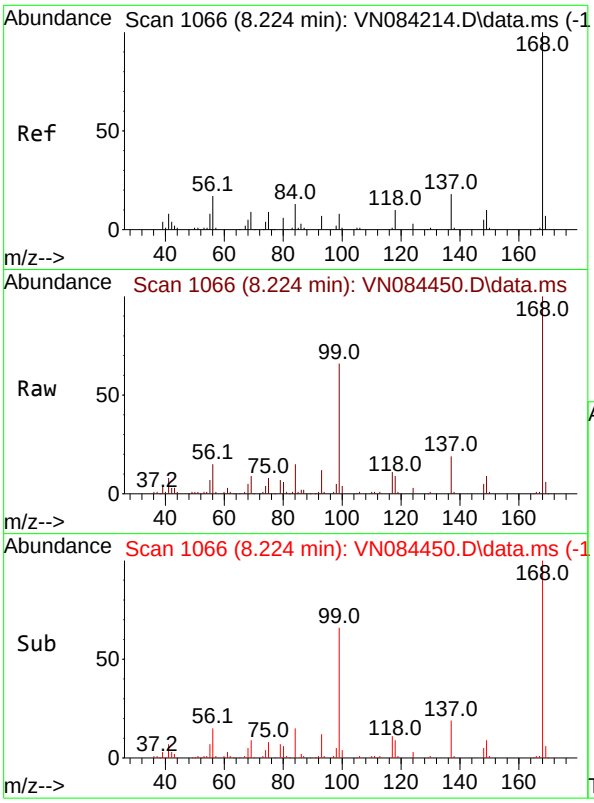
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Instrument :
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ClientSampleId :
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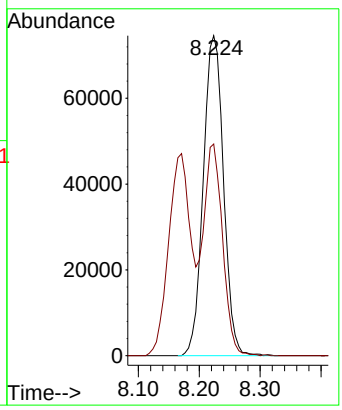




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:168 Resp: 171974

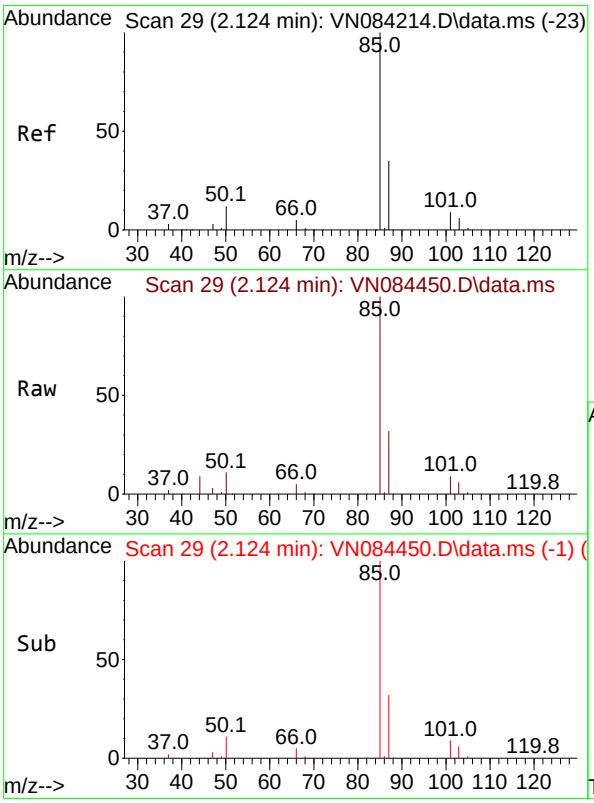
Ion	Ratio	Lower	Upper
168	100		
99	66.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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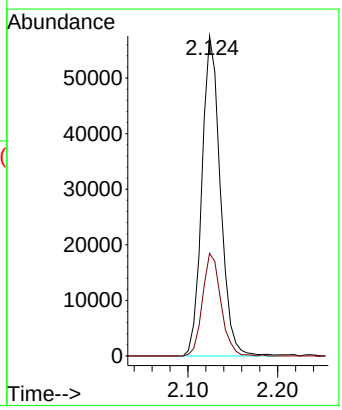
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Supervised By :Mahesh Dadoda 10/23/2024

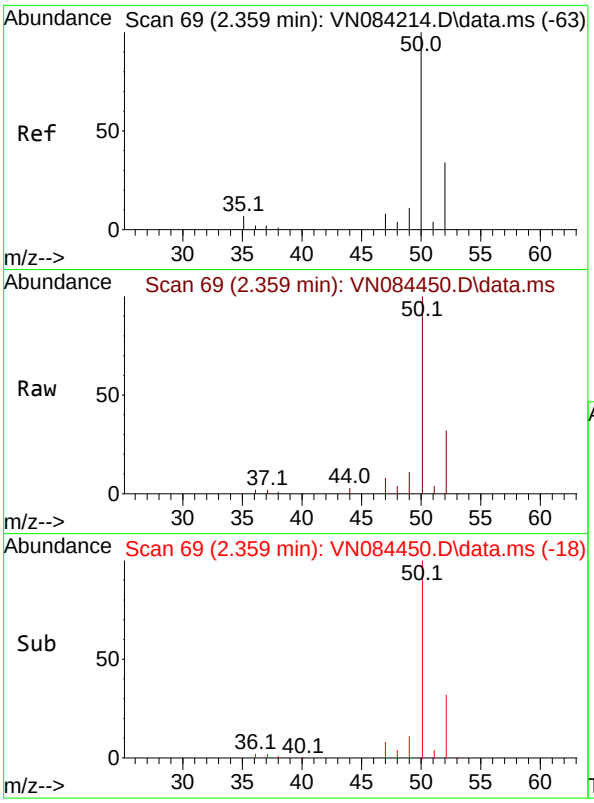


#2
Dichlorodifluoromethane
Concen: 40.436 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 85 Resp: 82254

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.6	52.9

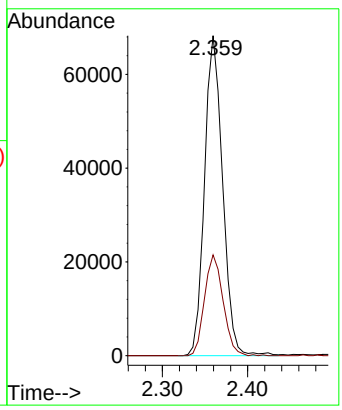




#3
Chloromethane
Concen: 43.365 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 50 Resp: 10072

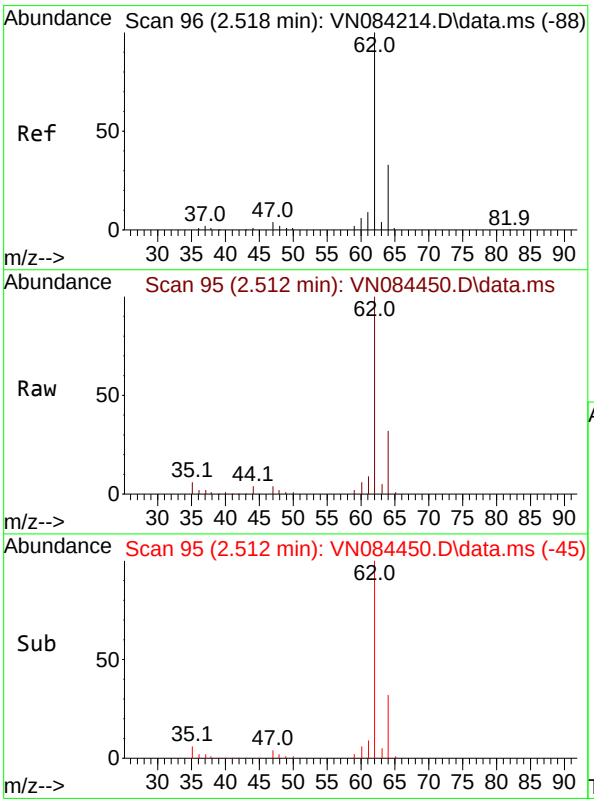
Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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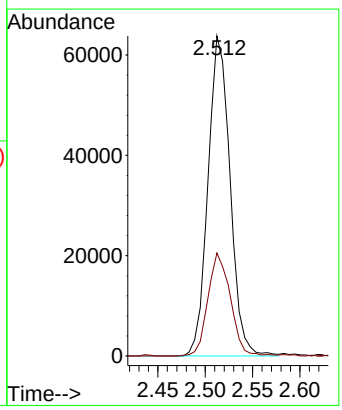
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

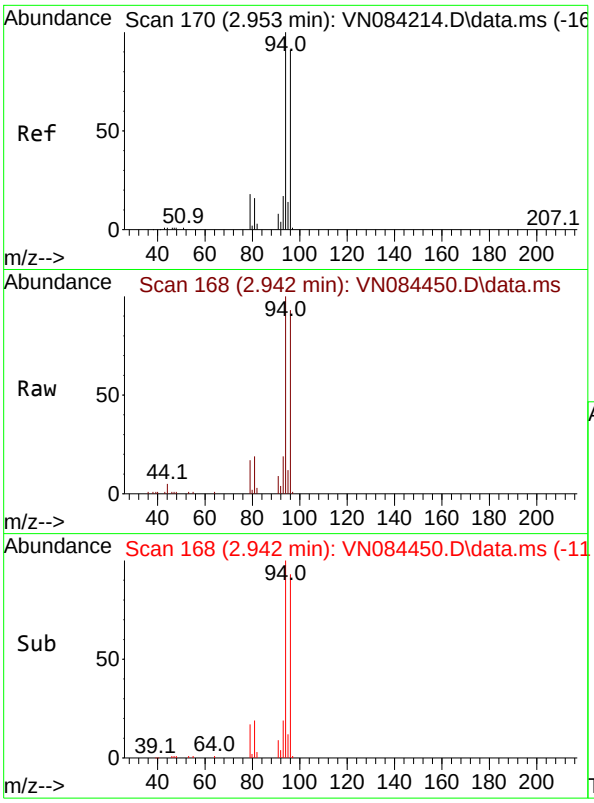


#4
Vinyl Chloride
Concen: 45.994 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 62 Resp: 103481

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

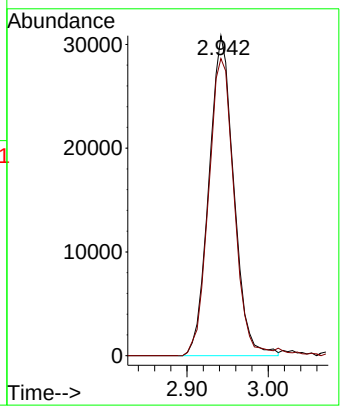




#5
Bromomethane
Concen: 44.260 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 94 Resp: 6568

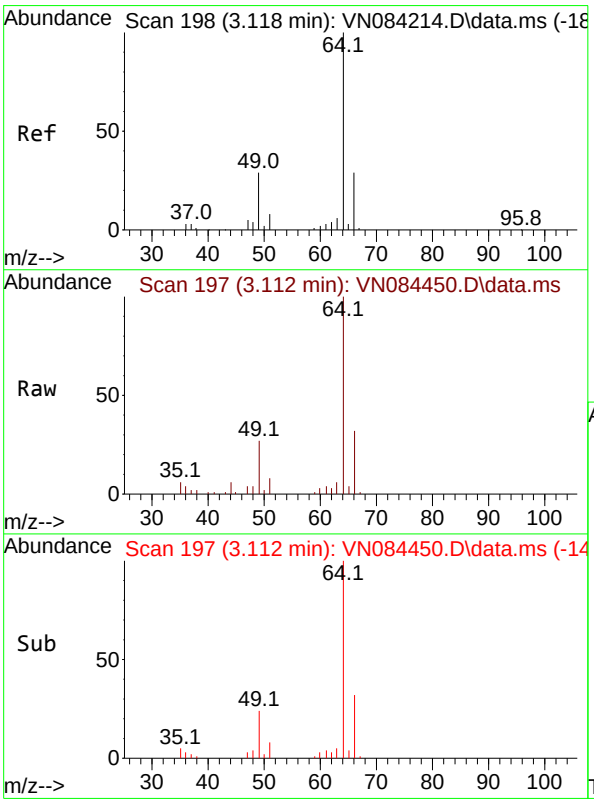
Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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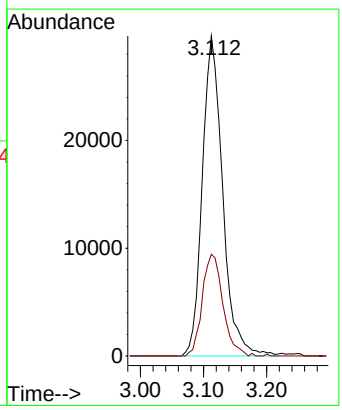
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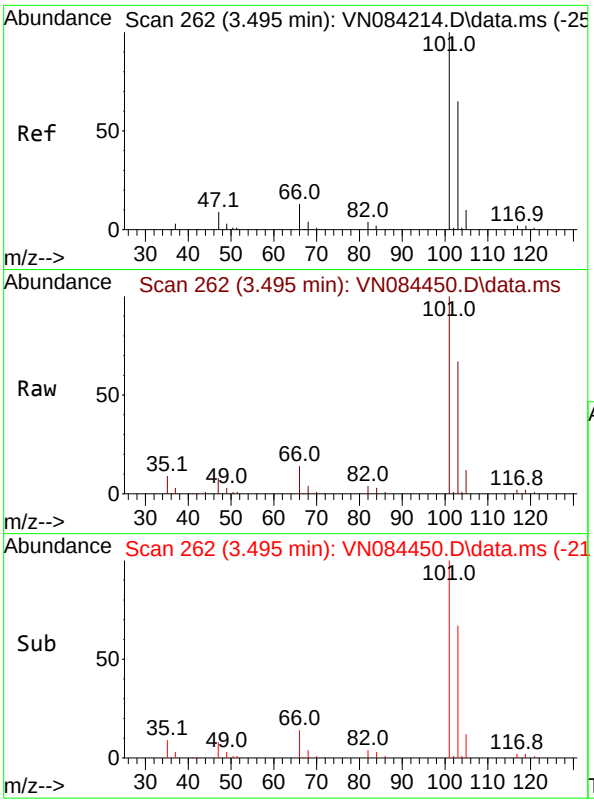


#6
Chloroethane
Concen: 41.236 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 64 Resp: 66444

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3

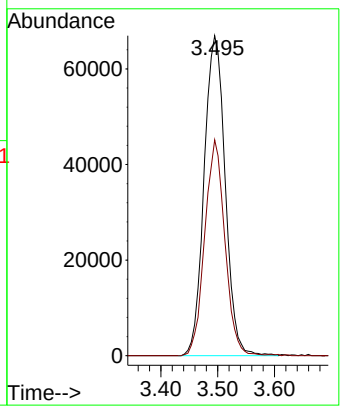




#7
Trichlorofluoromethane
Concen: 49.170 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:101 Resp: 17226

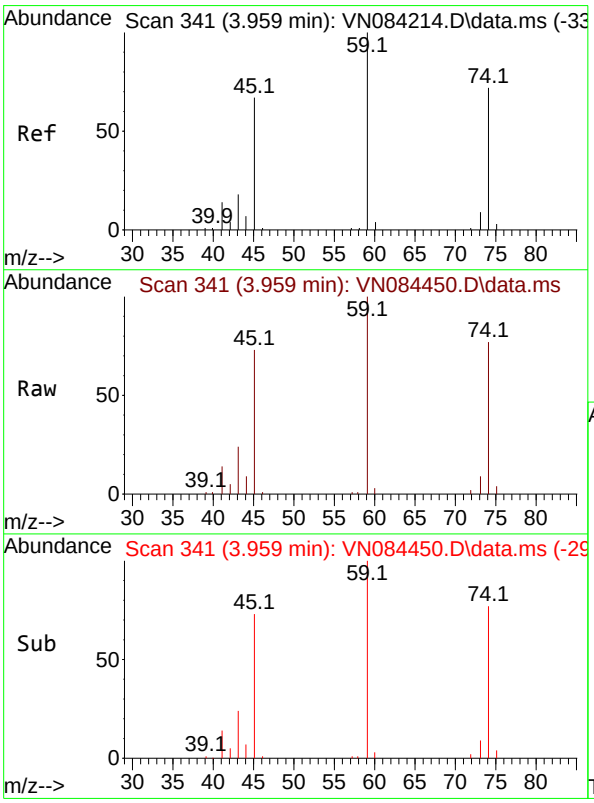
Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.8	77.6



Instrument :
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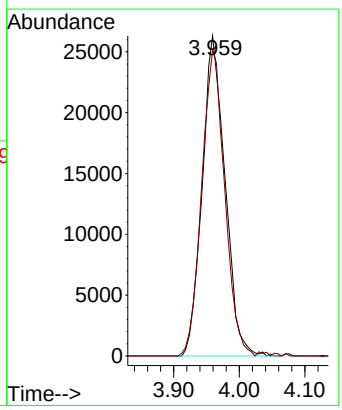
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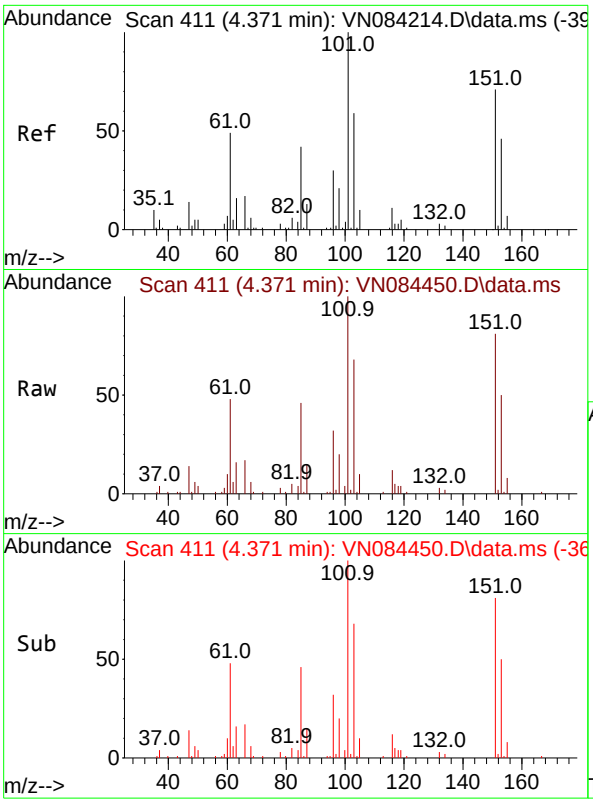


#8
Diethyl Ether
Concen: 48.999 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 74 Resp: 63668

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.731 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

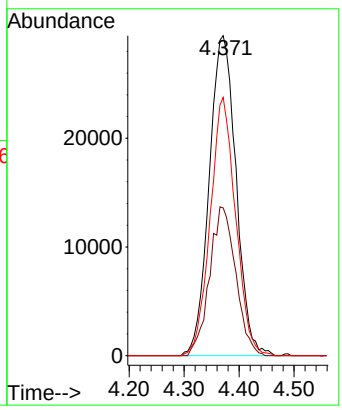
Tgt Ion:101 Resp: 9983

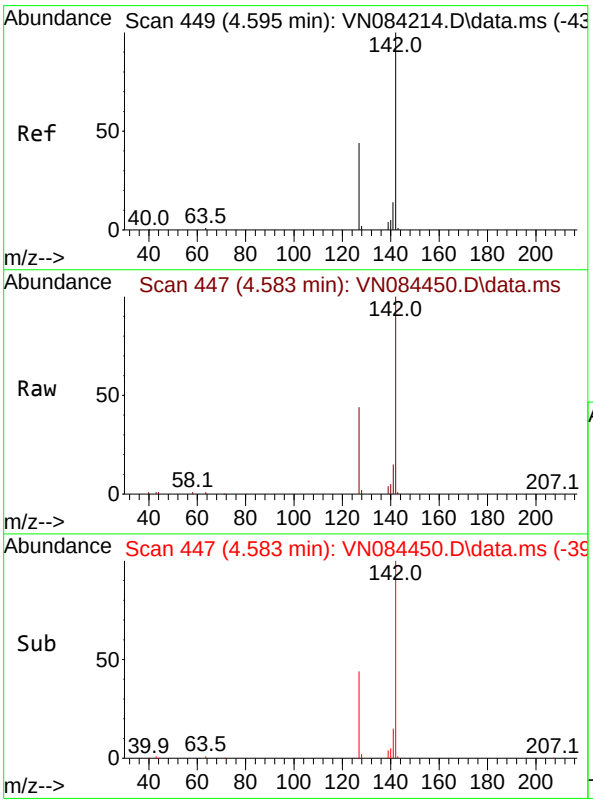
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	76.4	59.3	88.9

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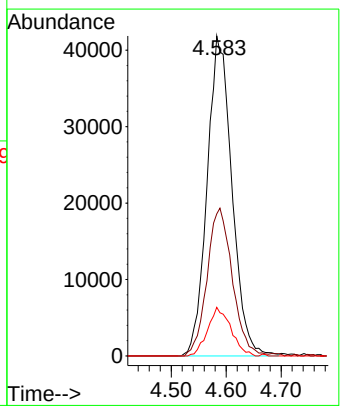


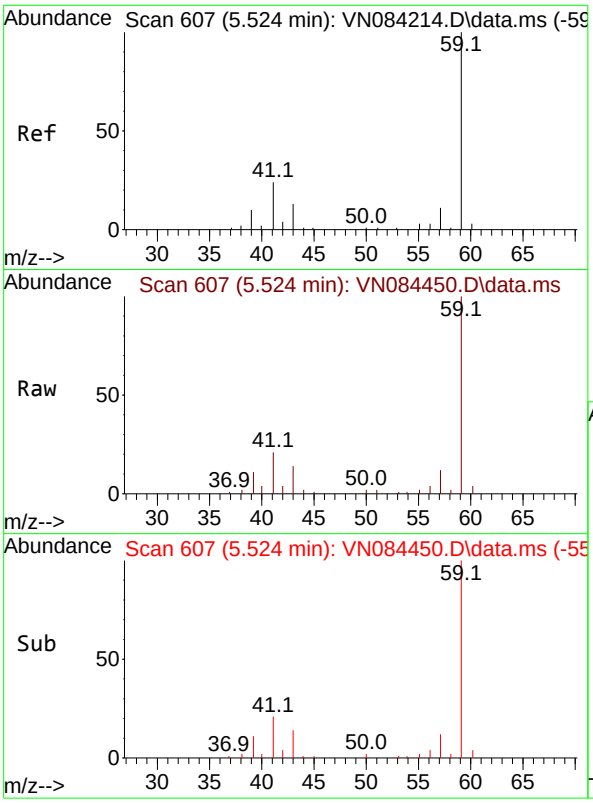


#10
Methyl Iodide
Concen: 50.766 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:142 Resp: 131239

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	15.2	11.0	16.6

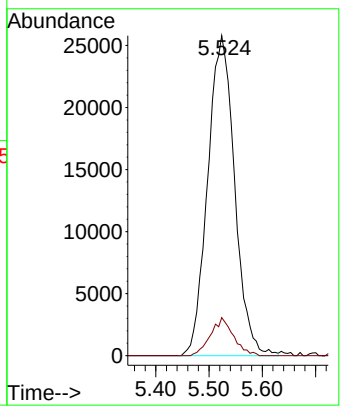




#11
Tert butyl alcohol
Concen: 215.618 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 59 Resp: 9065

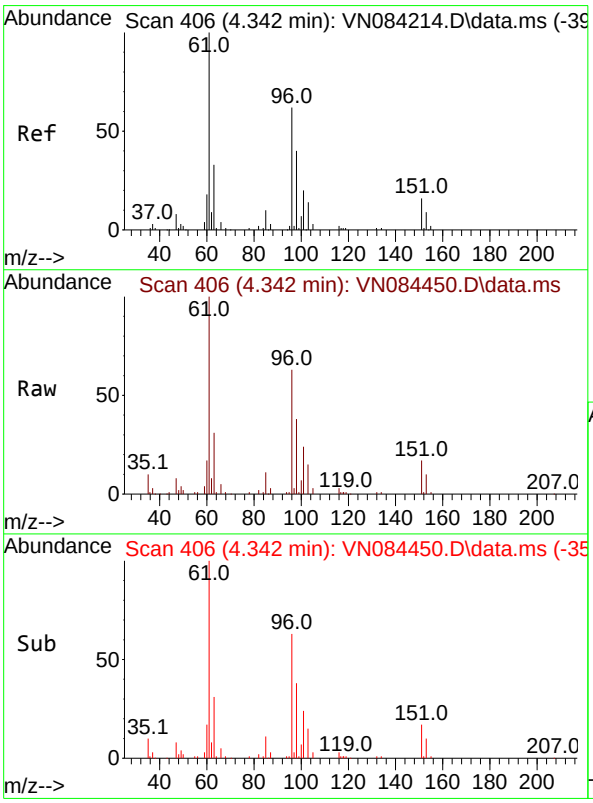
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2



Instrument :
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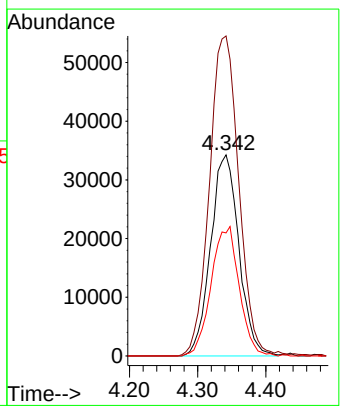
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

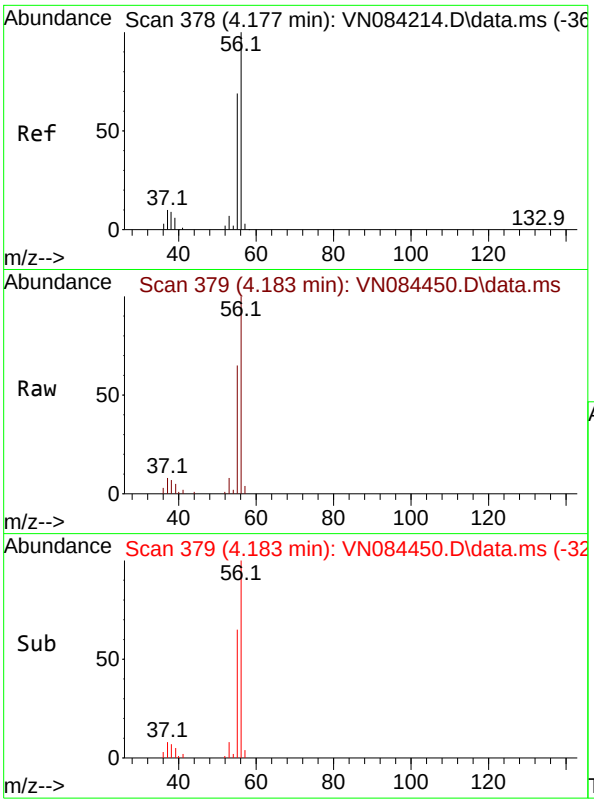


#12
1,1-Dichloroethene
Concen: 51.058 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 96 Resp: 98864

Ion	Ratio	Lower	Upper
96	100		
61	159.1	128.6	192.8
98	61.2	51.7	77.5

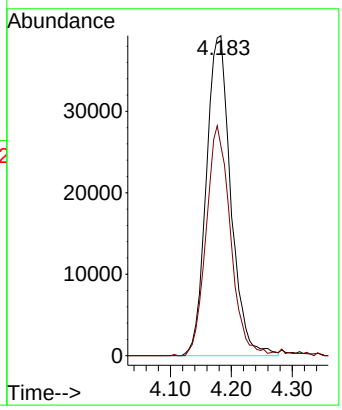




#13
Acrolein
Concen: 227.519 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 56 Resp: 10981

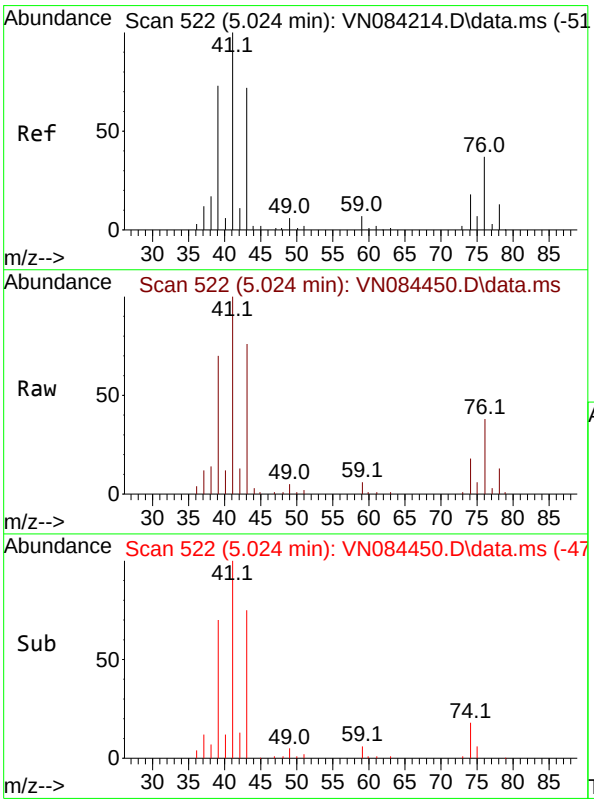
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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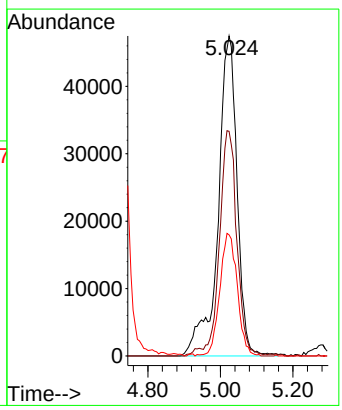
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

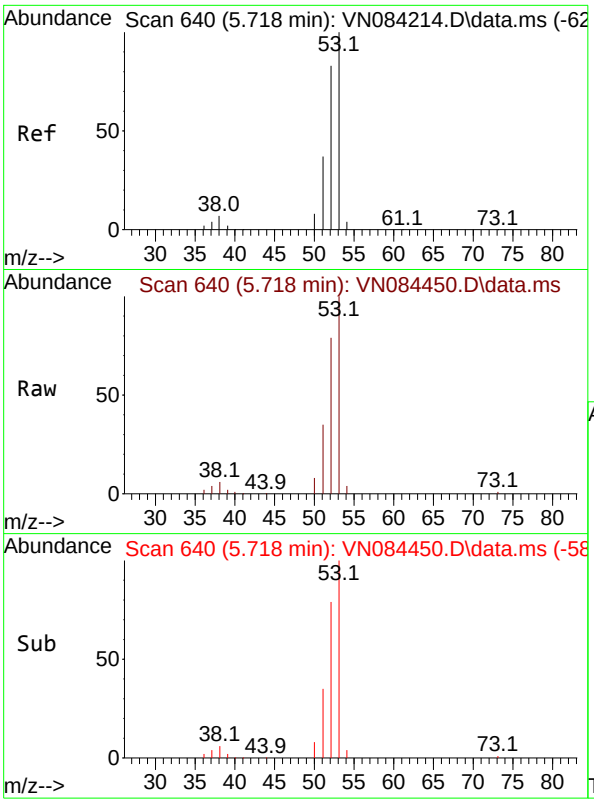


#14
Allyl chloride
Concen: 51.588 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 41 Resp: 173481

Ion	Ratio	Lower	Upper
41	100		
39	62.5	59.0	88.6
76	35.1	29.8	44.6

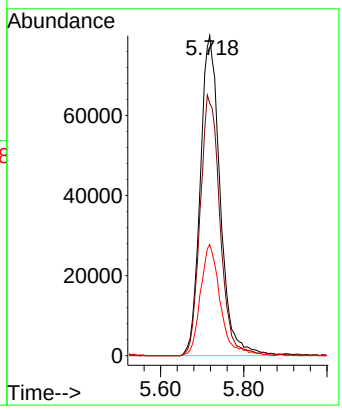




#15
Acrylonitrile
Concen: 249.703 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 53 Resp: 26512

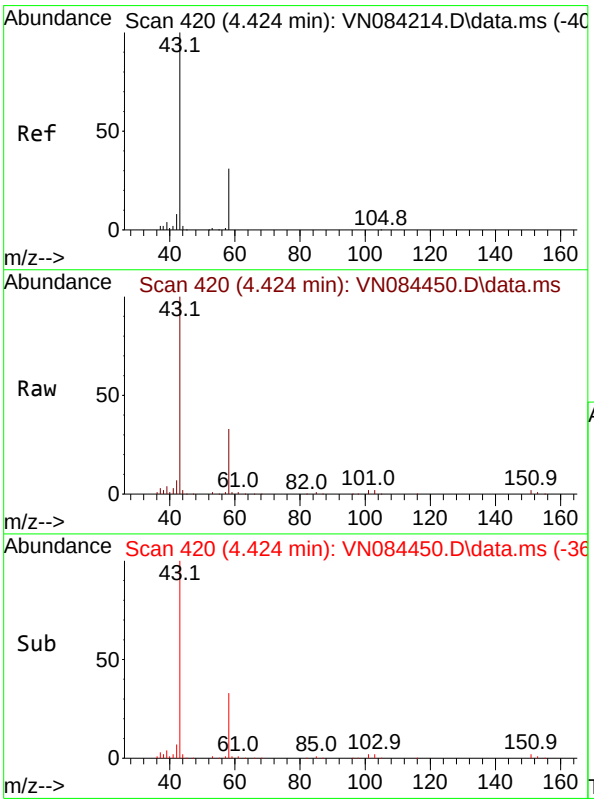
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.4
51	34.9	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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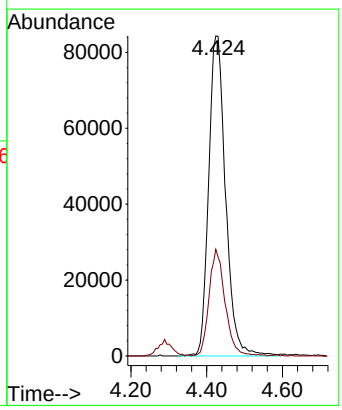
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

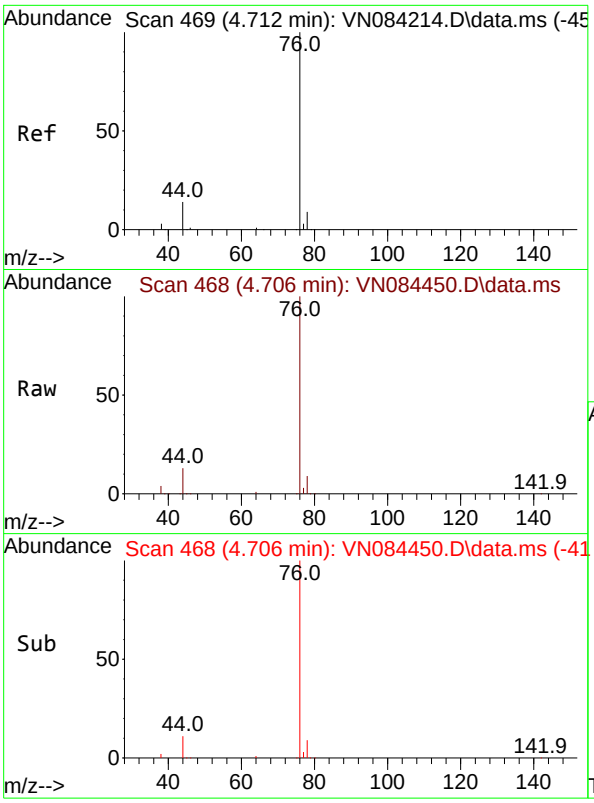


#16
Acetone
Concen: 238.375 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 261105

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.4	36.6

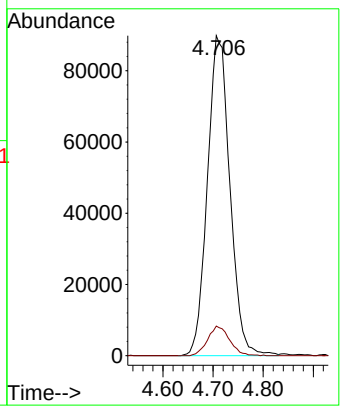




#17
Carbon Disulfide
Concen: 45.712 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 76 Resp: 28023

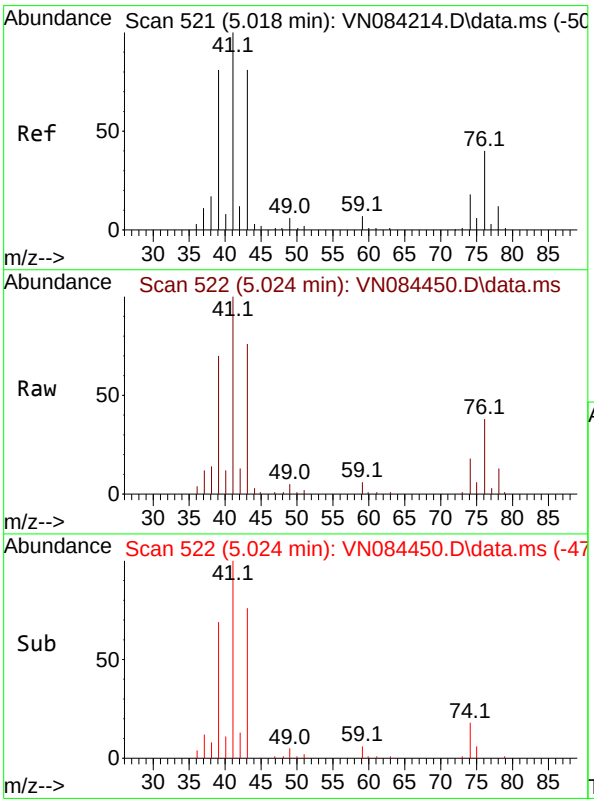
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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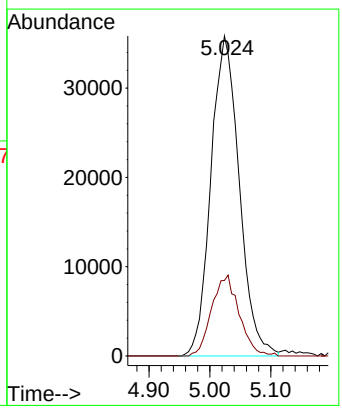
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

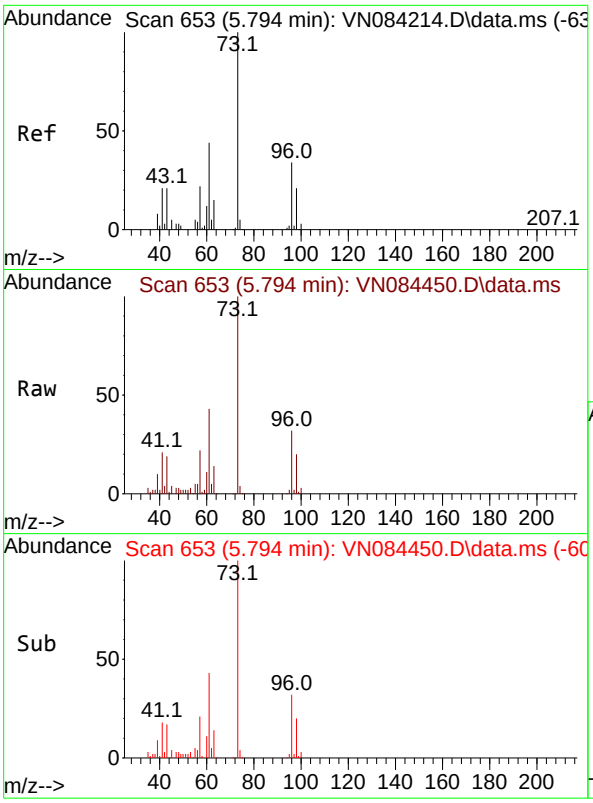


#18
Methyl Acetate
Concen: 48.574 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 115965

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8

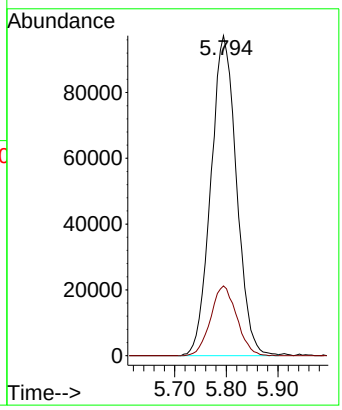




#19
Methyl tert-butyl Ether
Concen: 51.320 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 73 Resp: 33539

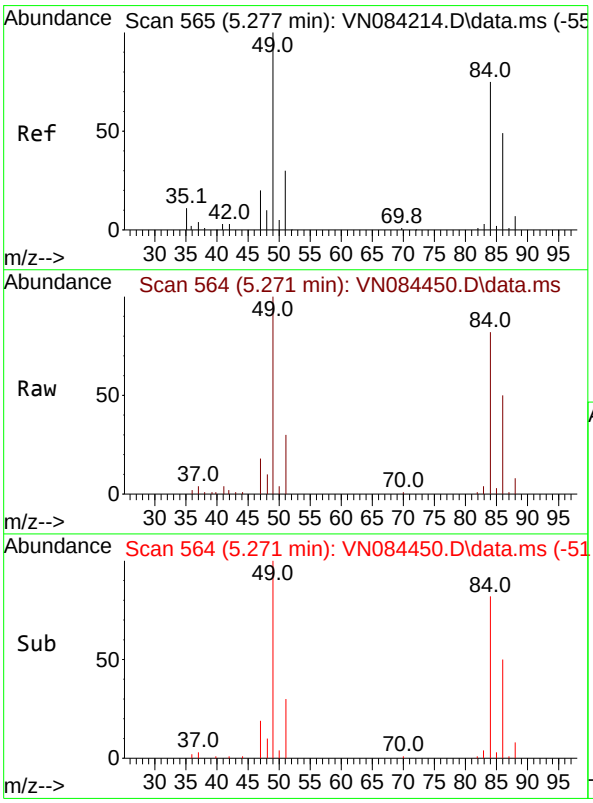
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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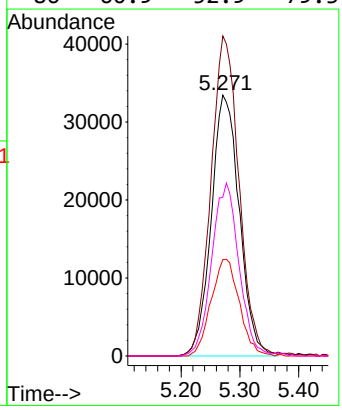
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

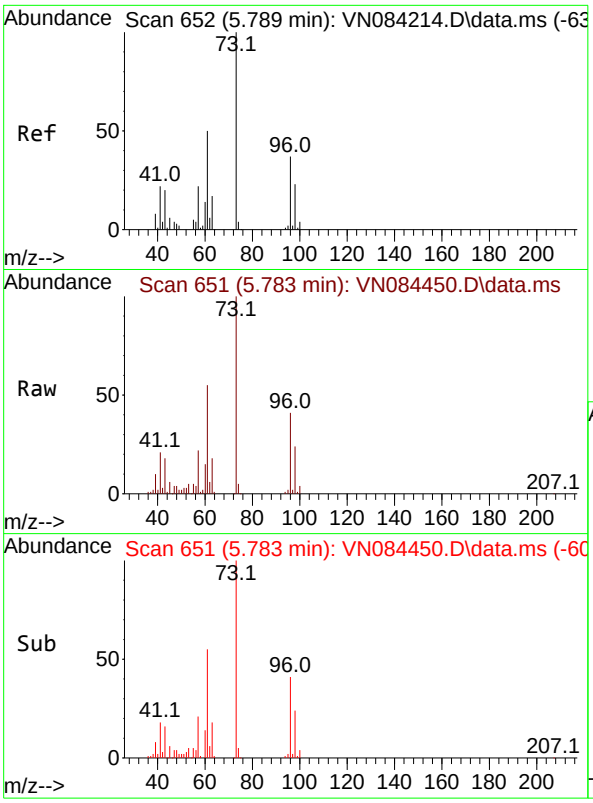


#20
Methylene Chloride
Concen: 49.790 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 84 Resp: 110864

Ion	Ratio	Lower	Upper
84	100		
49	122.7	107.2	160.8
51	36.9	31.8	47.8
86	60.9	52.9	79.3

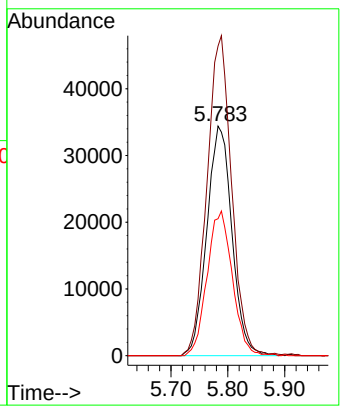




#21
trans-1,2-Dichloroethene
Concen: 52.129 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 96 Resp: 10574

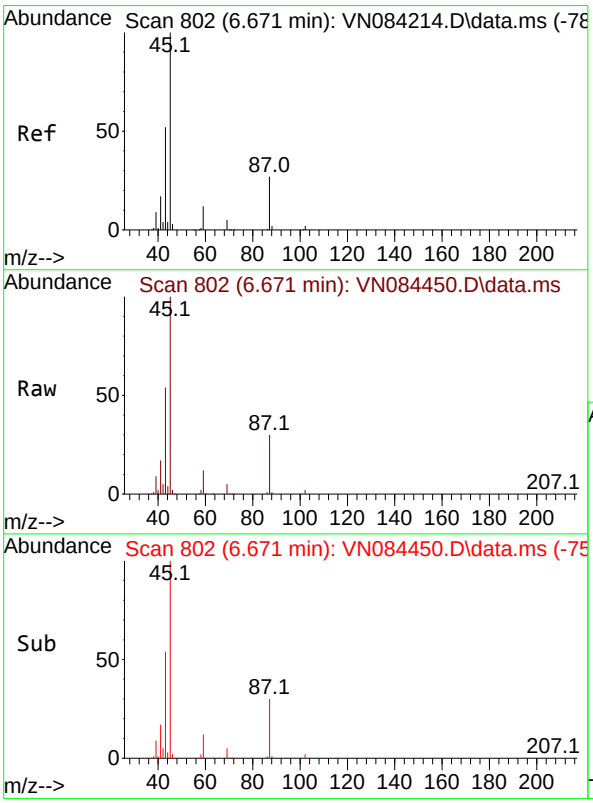
Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	59.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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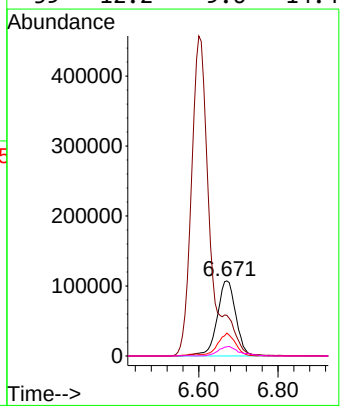
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

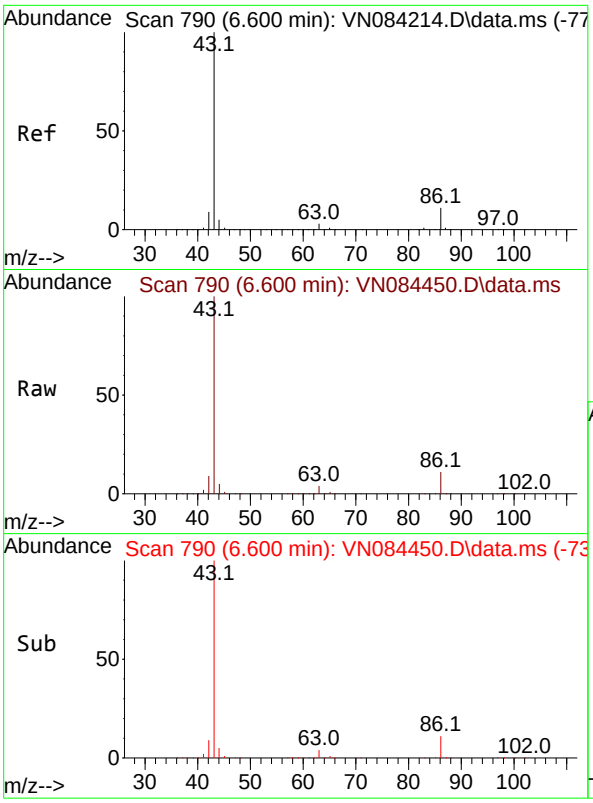


#22
Diisopropyl ether
Concen: 50.493 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 45 Resp: 351223

Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.3	63.5
87	30.4	21.8	32.6
59	12.2	9.6	14.4





#23
Vinyl Acetate
Concen: 259.866 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

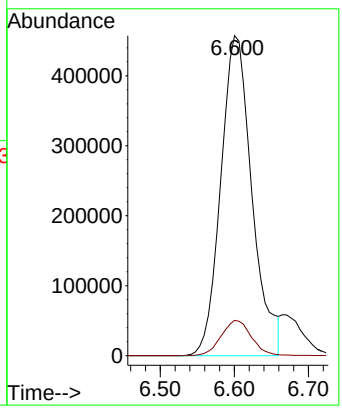
Tgt Ion: 43 Resp: 134068

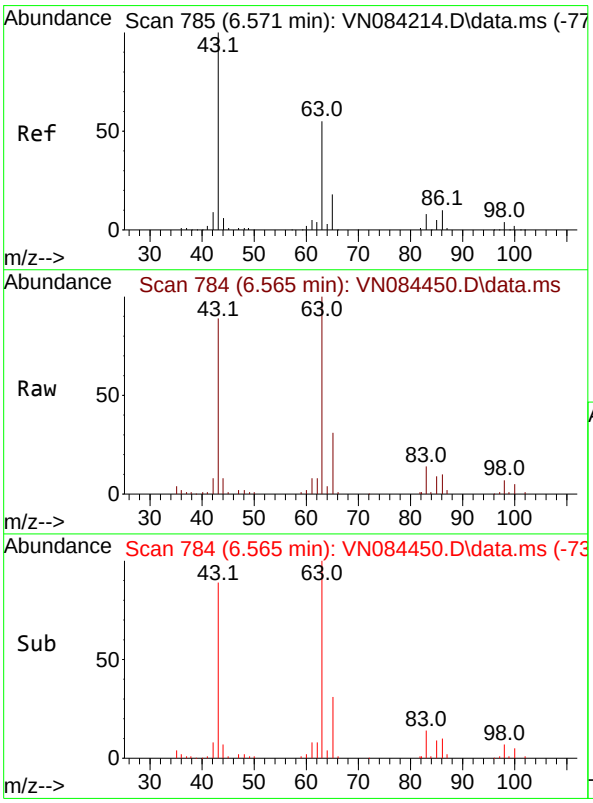
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Supervised By :Mahesh Dadoda 10/23/2024

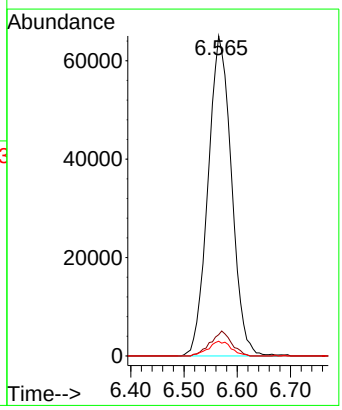


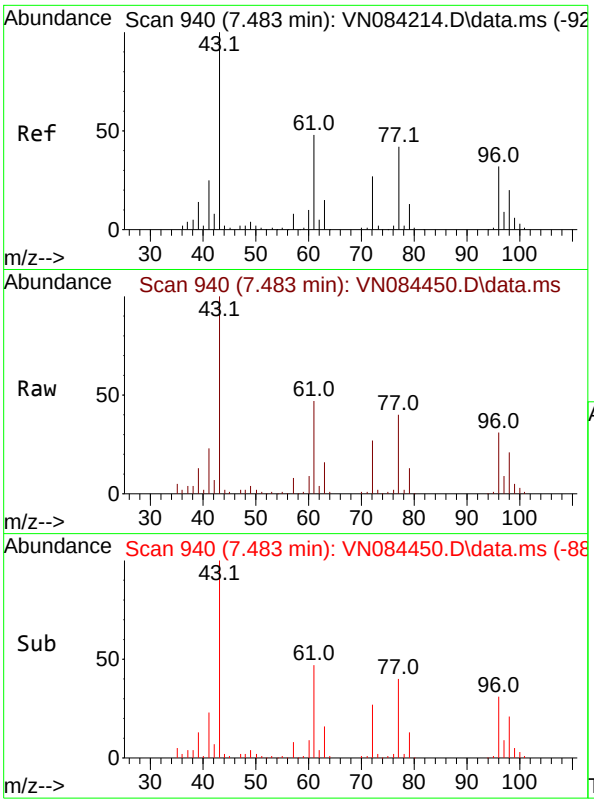


#24
1,1-Dichloroethane
Concen: 51.151 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 63 Resp: 198970

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.0	5.8





#25
2-Butanone
Concen: 243.024 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

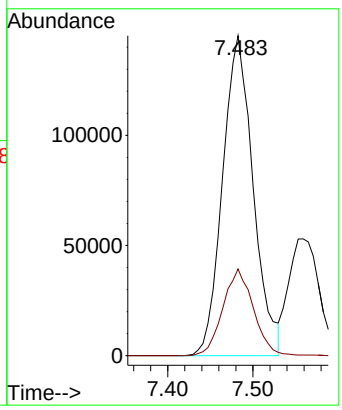
Tgt Ion: 43 Resp: 36256

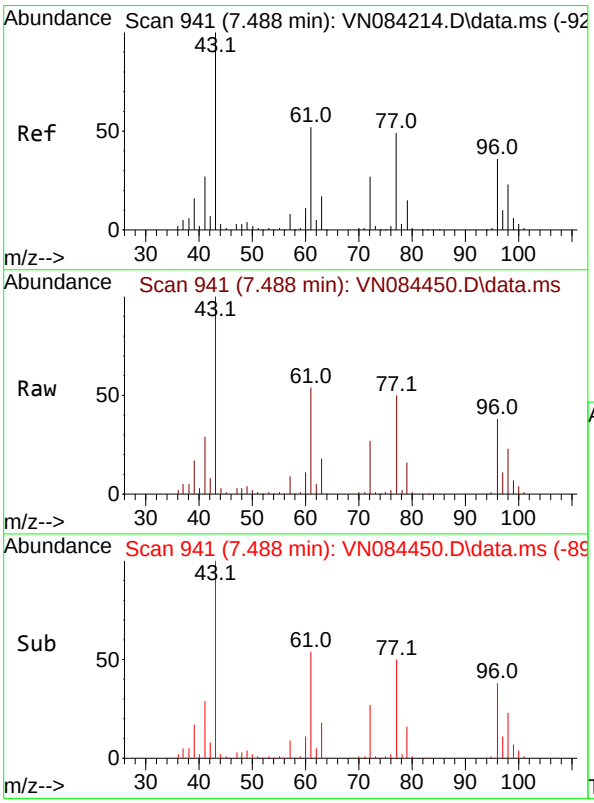
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

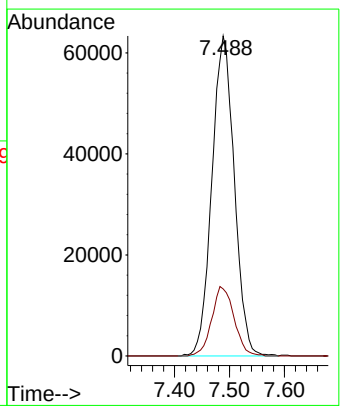


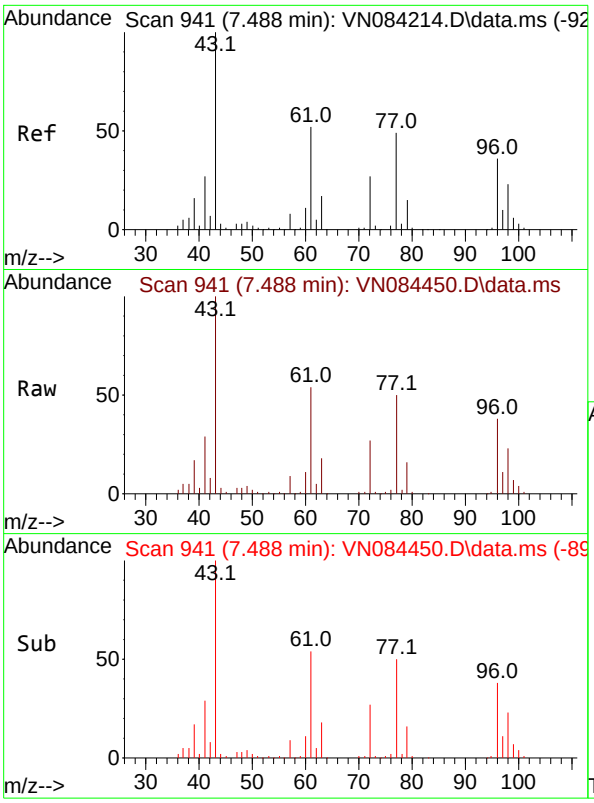


#26
2,2-Dichloropropane
Concen: 51.135 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 77 Resp: 179346

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 51.122 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

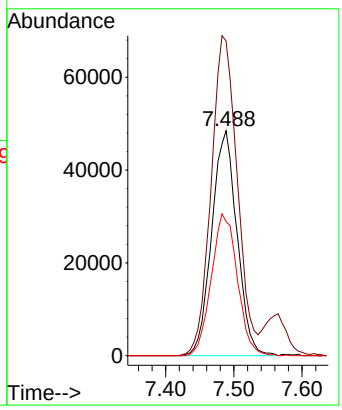
Tgt Ion: 96 Resp: 12532

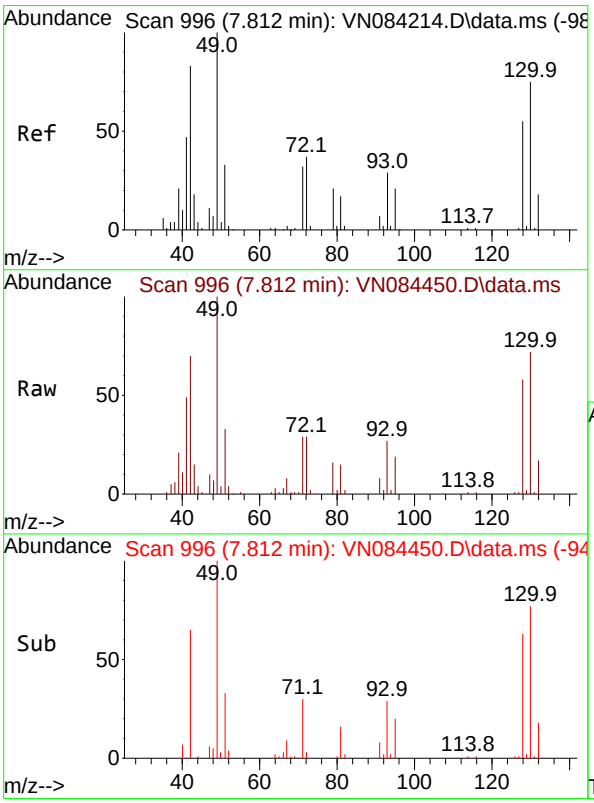
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	301.8
98	64.9	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

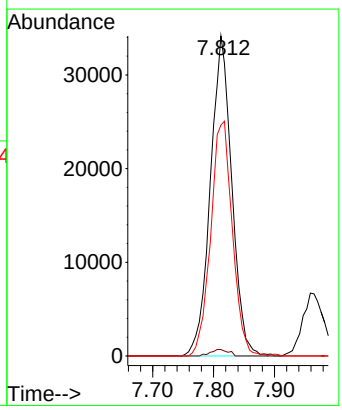


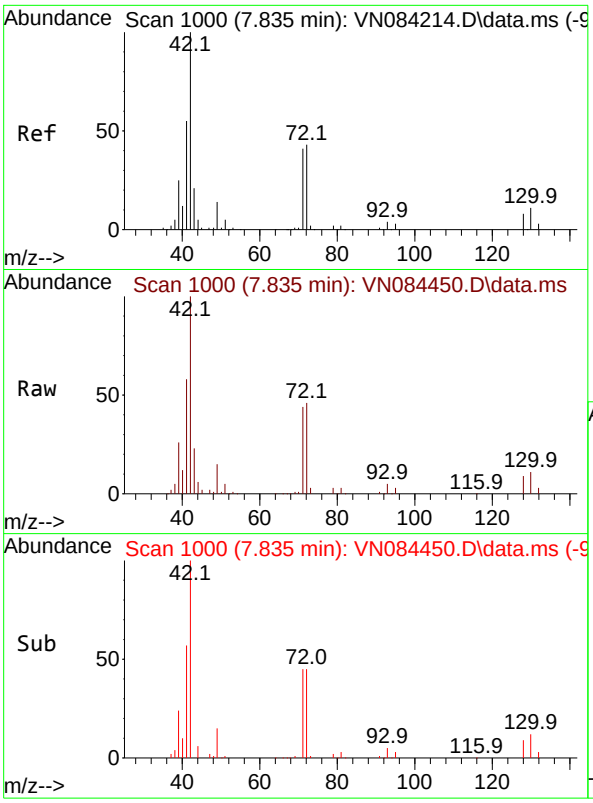


#28
Bromochloromethane
Concen: 48.121 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 49 Resp: 83517

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	74.1	58.0	87.0

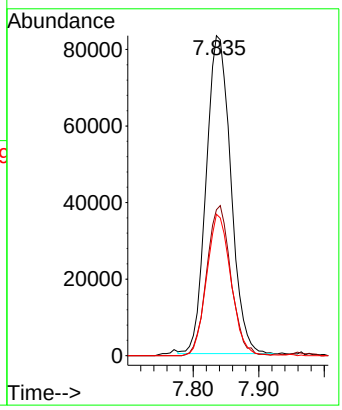




#29
Tetrahydrofuran
Concen: 234.864 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 42 Resp: 21623

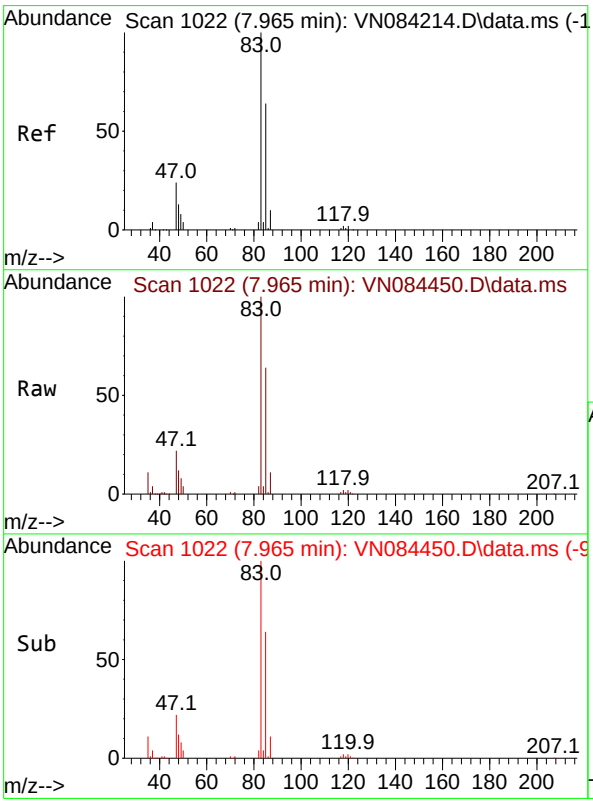
Ion	Ratio	Lower	Upper
42	100		
72	46.4	34.6	51.8
71	44.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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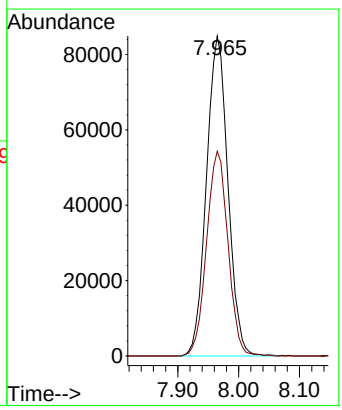
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

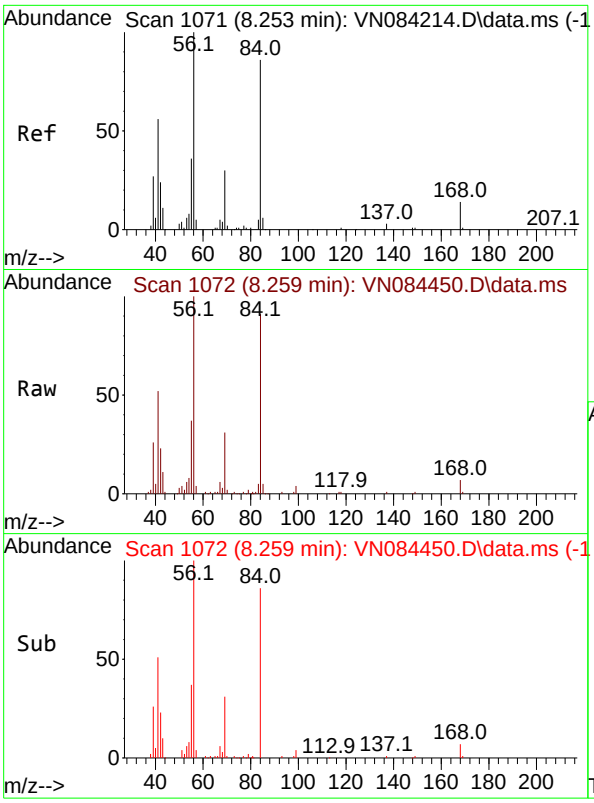


#30
Chloroform
Concen: 51.493 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 83 Resp: 208060

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.4

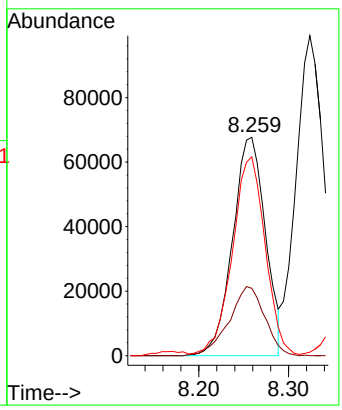




#31
Cyclohexane
Concen: 45.545 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 56 Resp: 17201

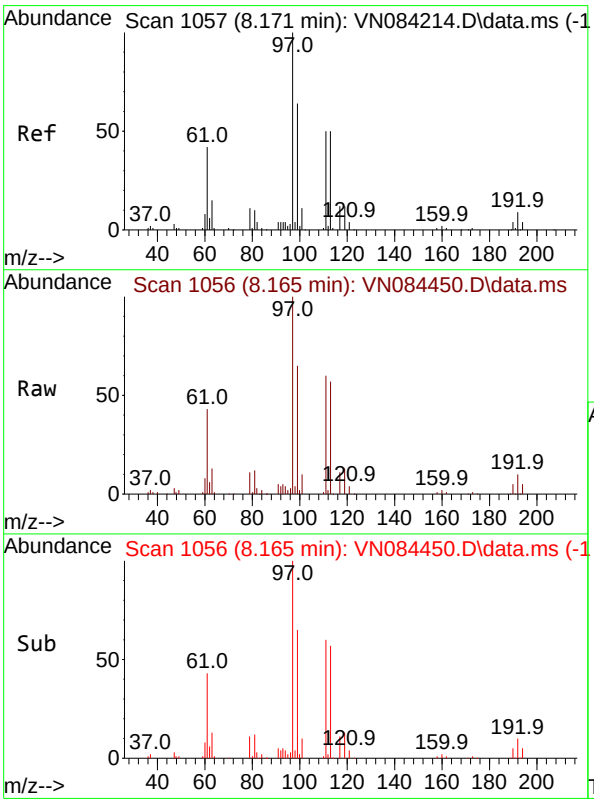
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	89.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

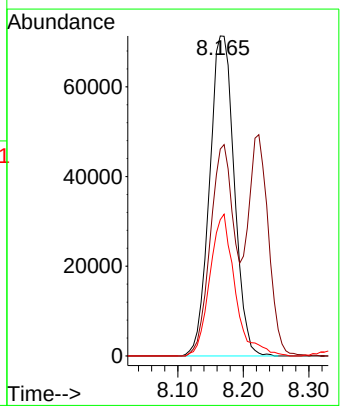
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

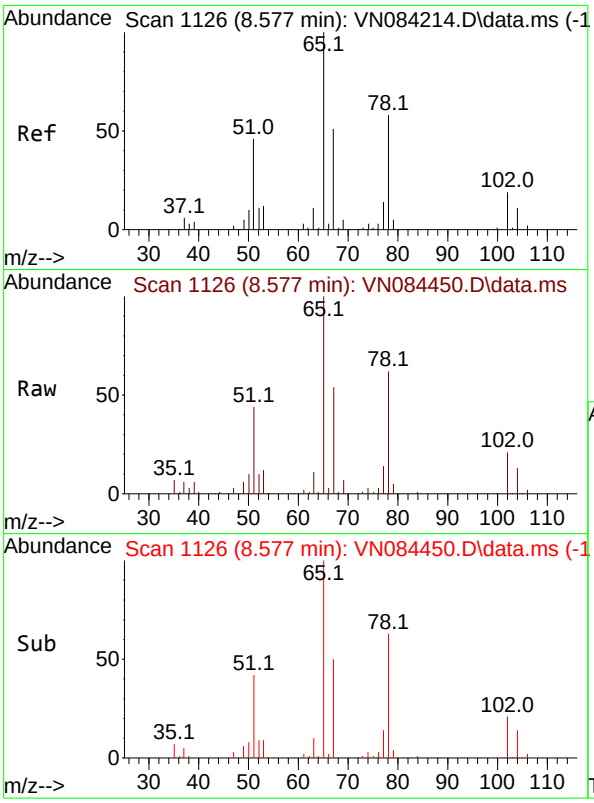


#32
1,1,1-Trichloroethane
Concen: 51.361 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 97 Resp: 186384

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	45.2	37.5	56.3

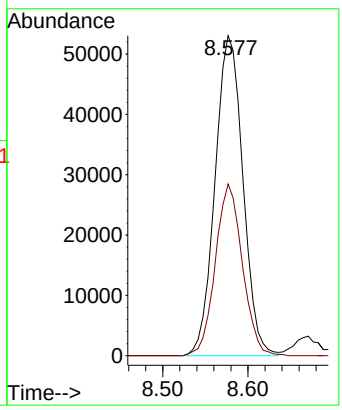




#33
1,2-Dichloroethane-d4
Concen: 47.289 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 65 Resp: 12057

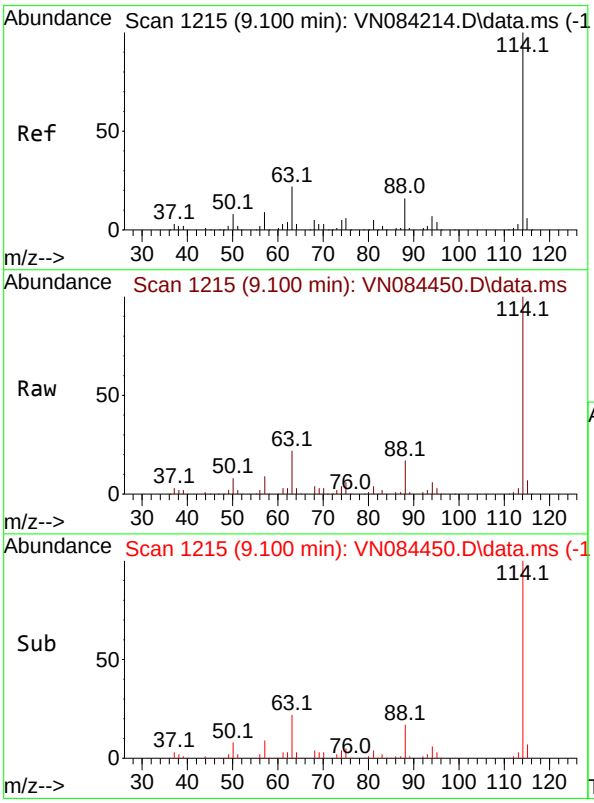
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

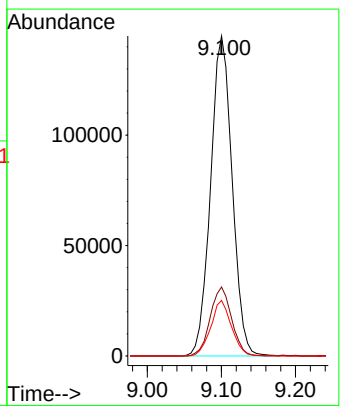
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

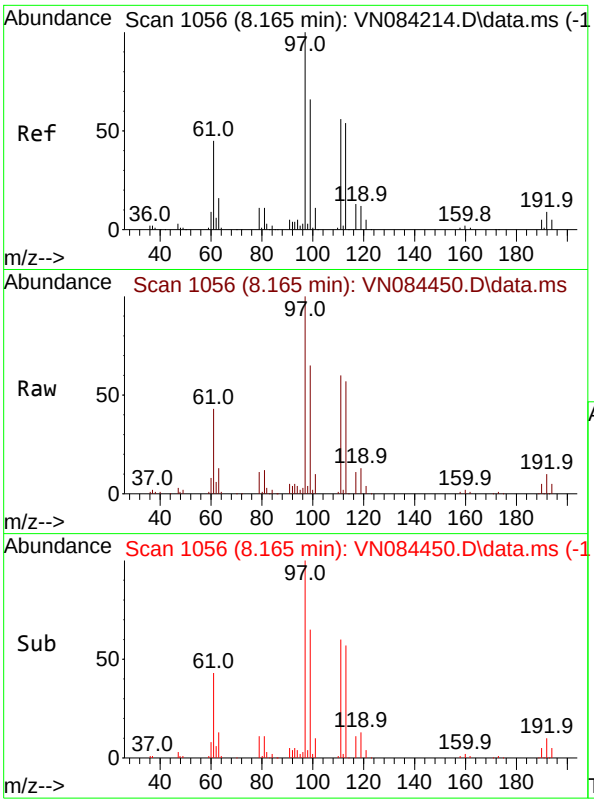


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:114 Resp: 293014

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.3	0.0	31.6

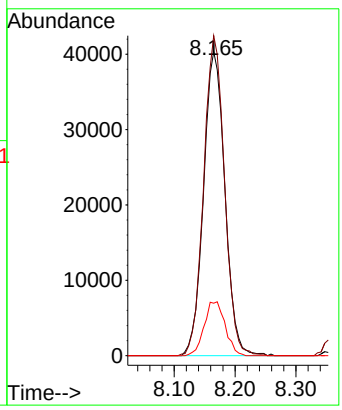




#35
Dibromofluoromethane
Concen: 50.860 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:113 Resp: 9824

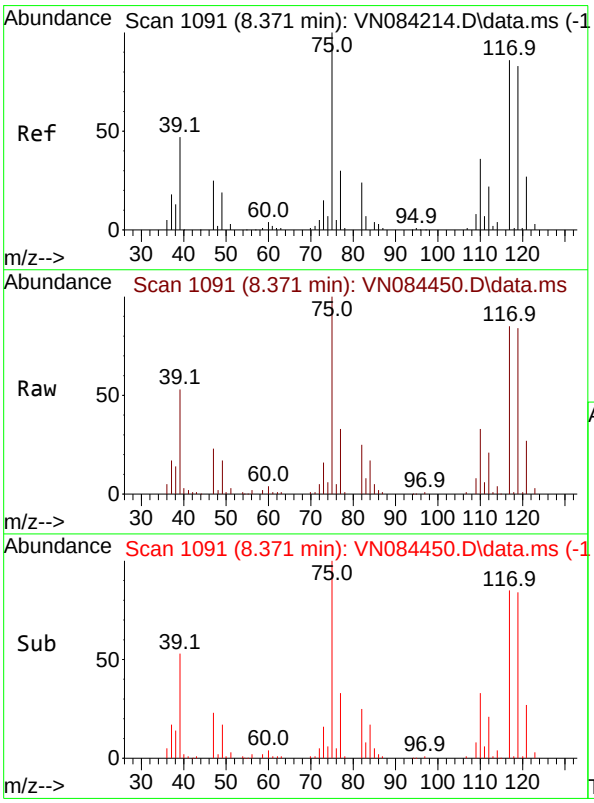
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	17.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

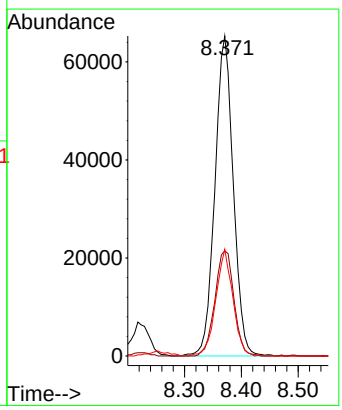
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

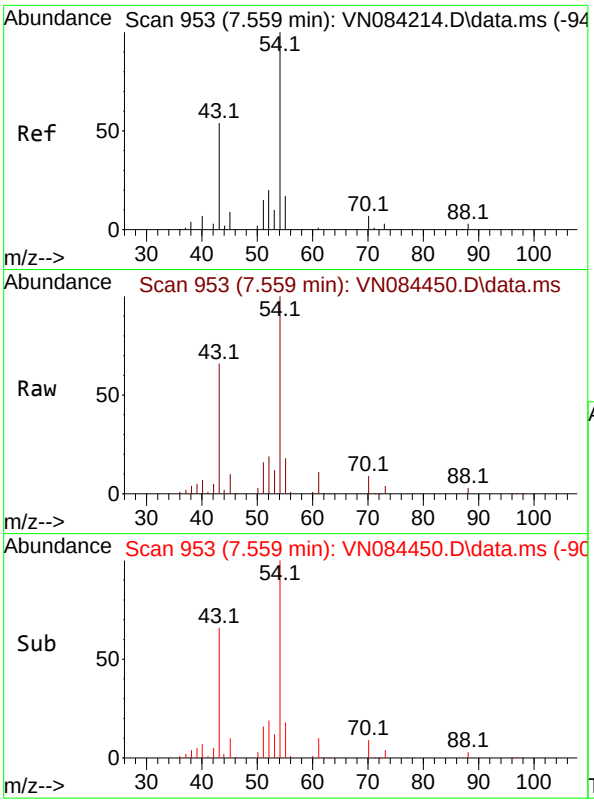


#36
1,1-Dichloropropene
Concen: 52.238 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 146576

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	31.1	24.7	37.1

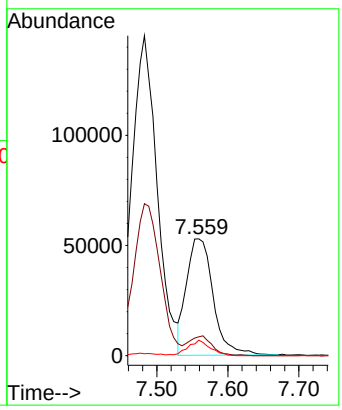




#37
Ethyl Acetate
Concen: 47.758 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 13747

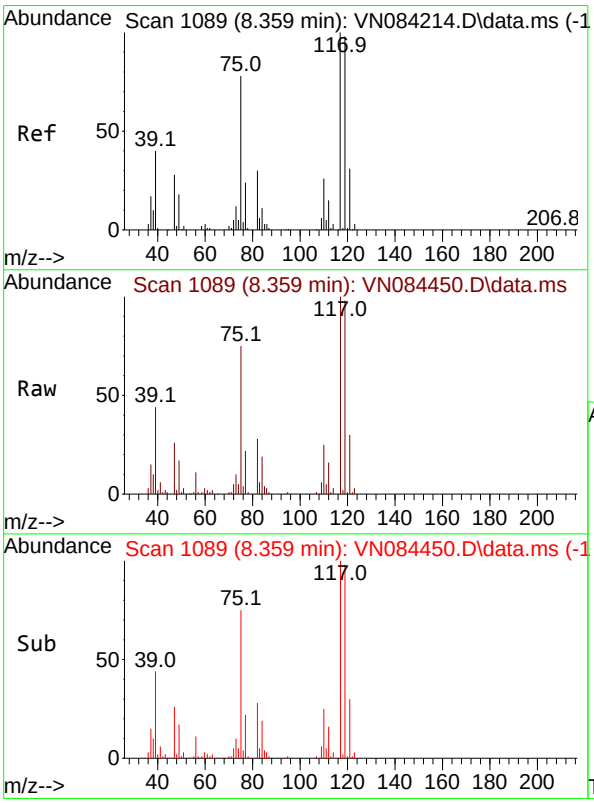
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

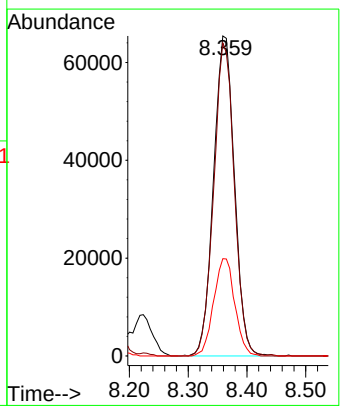
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

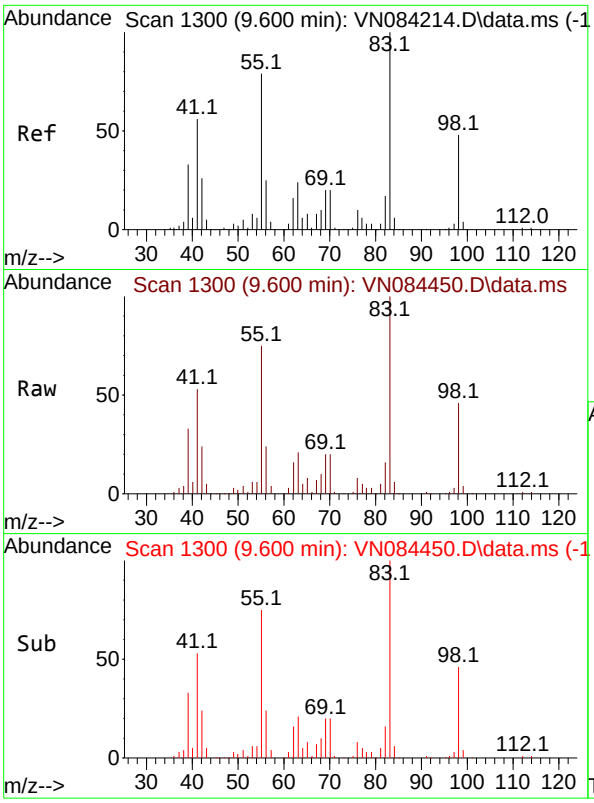


#38
Carbon Tetrachloride
Concen: 52.474 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:117 Resp: 161513

Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.7	118.1
121	30.4	24.4	36.6

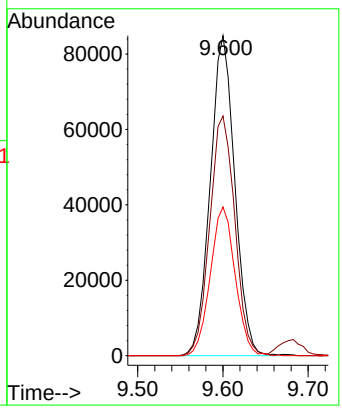




#39
Methylcyclohexane
Concen: 54.374 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 83 Resp: 16980

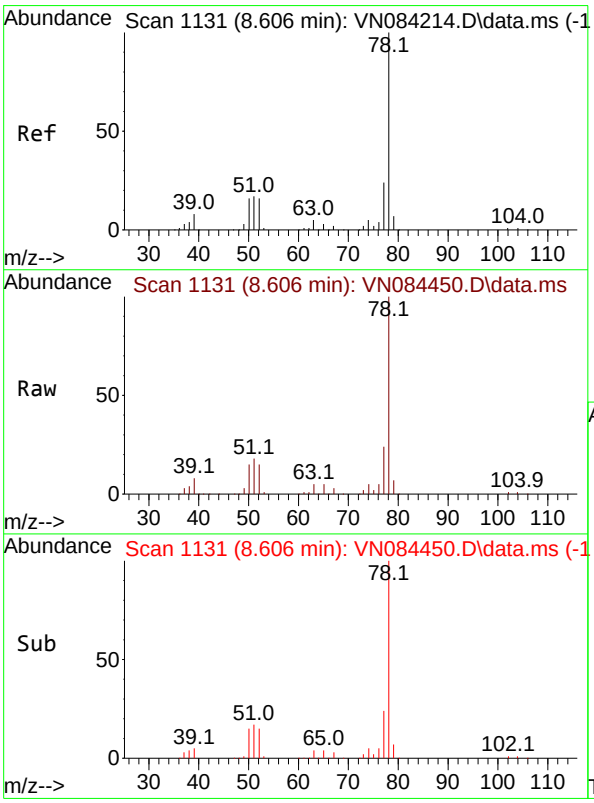
Ion	Ratio	Lower	Upper
83	100		
55	74.9	62.8	94.2
98	46.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

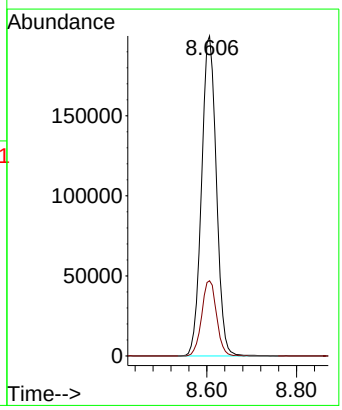
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

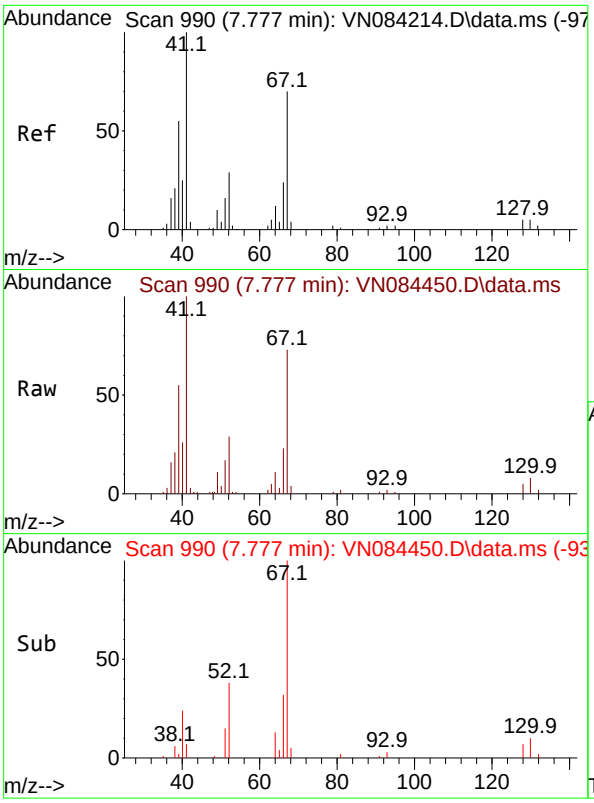


#40
Benzene
Concen: 52.231 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 78 Resp: 456615

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

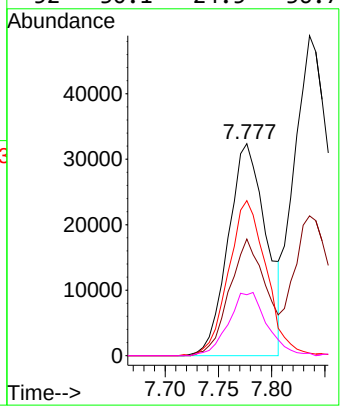




#41
Methacrylonitrile
Concen: 51.594 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 41 Resp: 8063

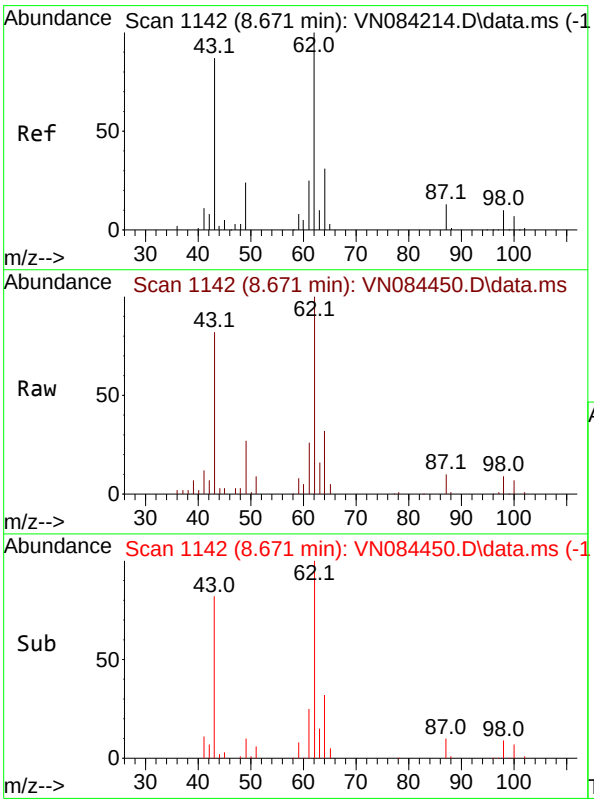
Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.3	64.9
67	72.4	56.1	84.1
52	30.1	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

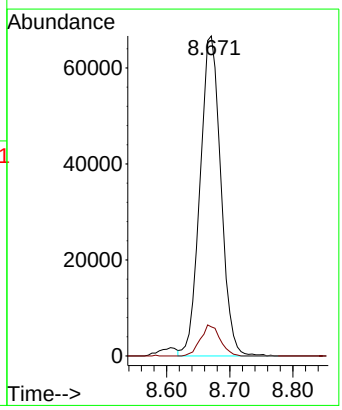
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

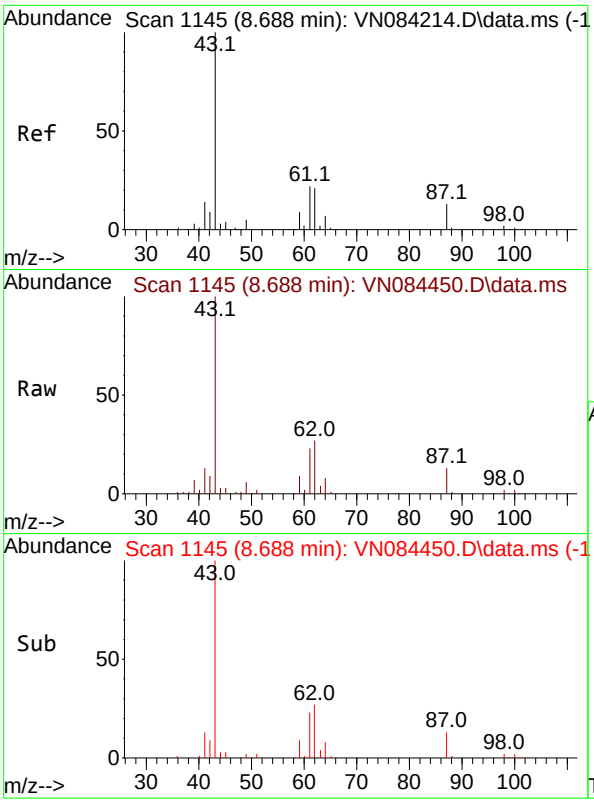


#42
1,2-Dichloroethane
Concen: 51.507 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 62 Resp: 152654

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 42.196 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

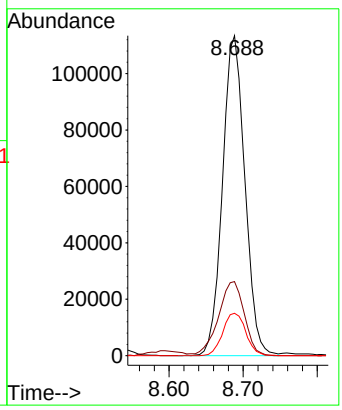
Tgt Ion: 43 Resp: 23791

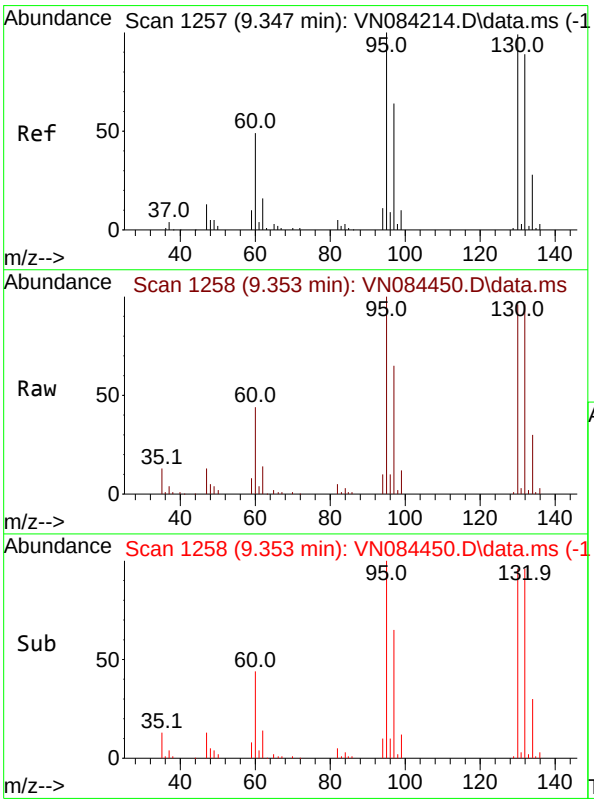
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.4	30.6
87	13.7	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

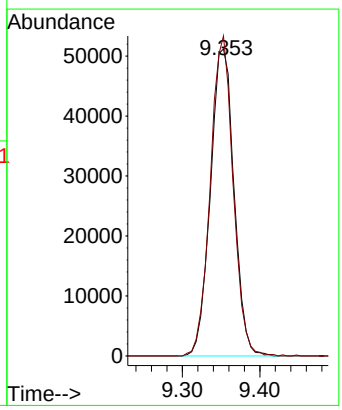


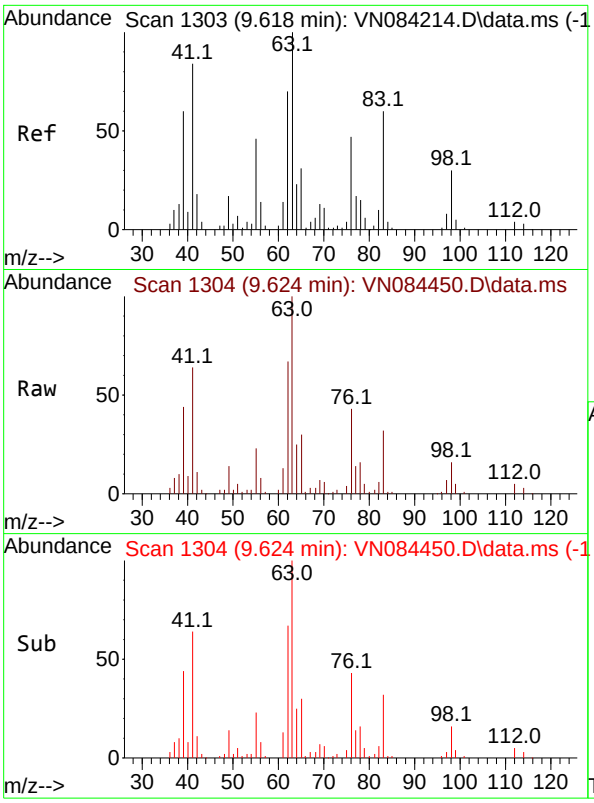


#44
Trichloroethene
Concen: 52.965 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:130 Resp: 108146

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	203.0

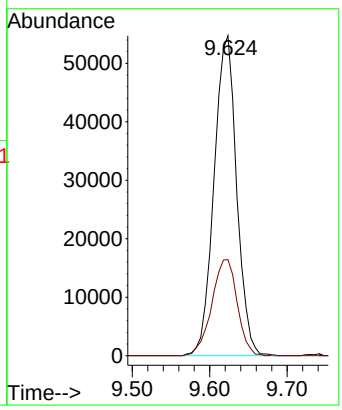




#45
1,2-Dichloropropane
Concen: 53.771 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 63 Resp: 11120

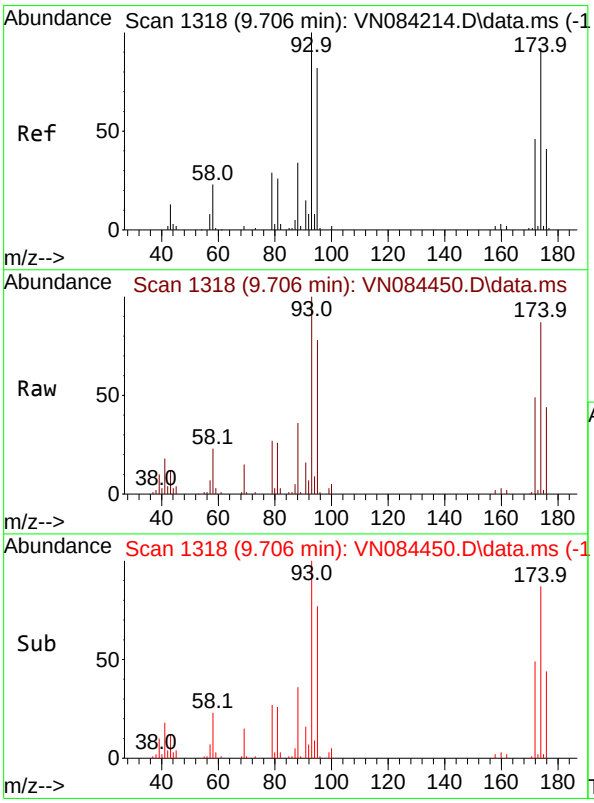
Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

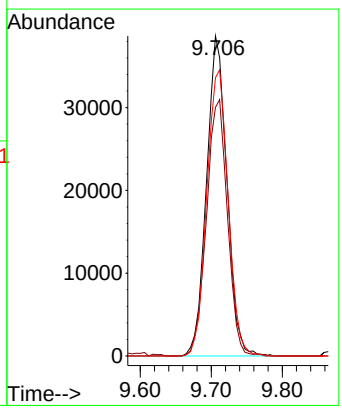
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

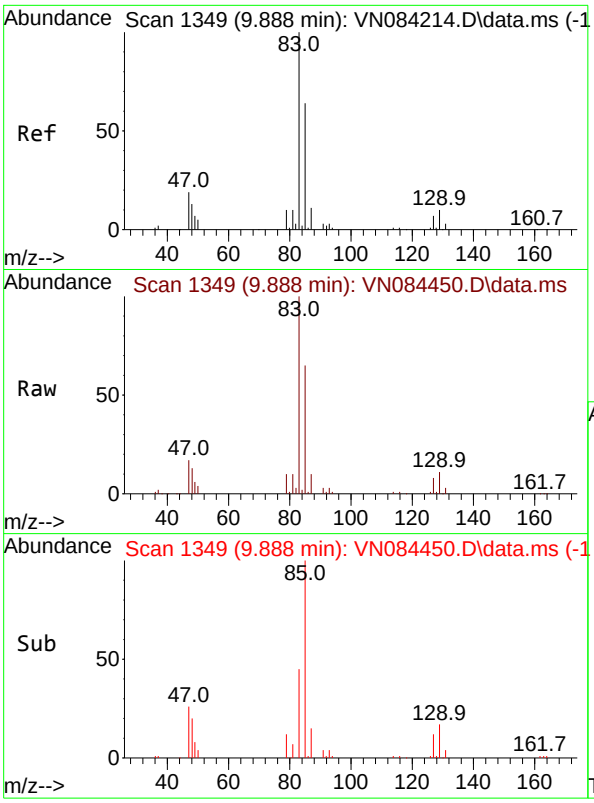


#46
Dibromomethane
Concen: 55.158 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 93 Resp: 76980

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	93.6	71.8	107.8

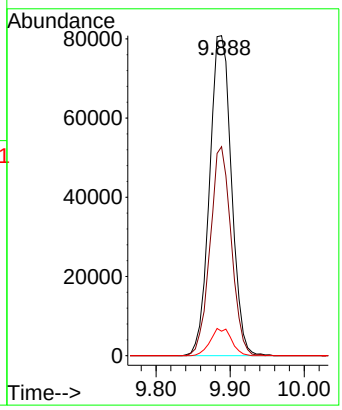




#47
Bromodichloromethane
Concen: 53.365 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 83 Resp: 16546

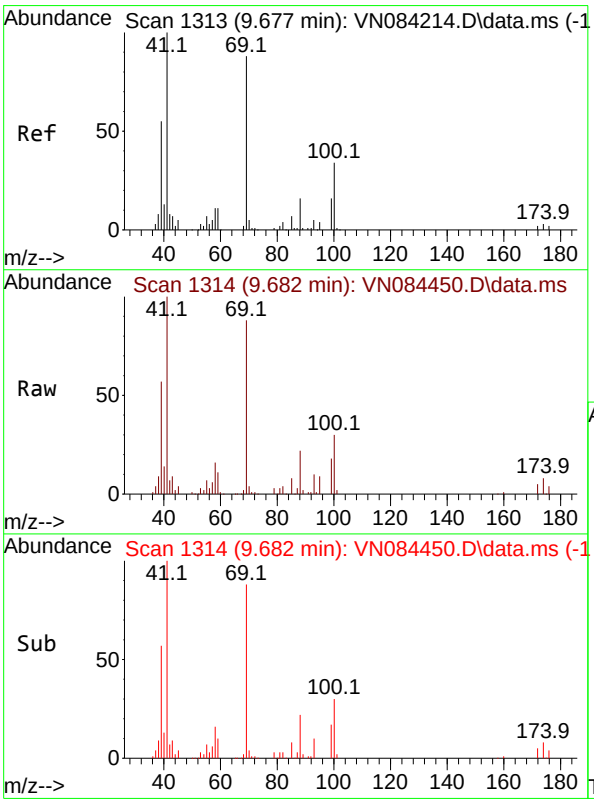
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	7.6	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

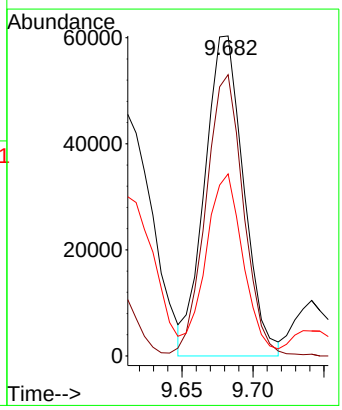
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

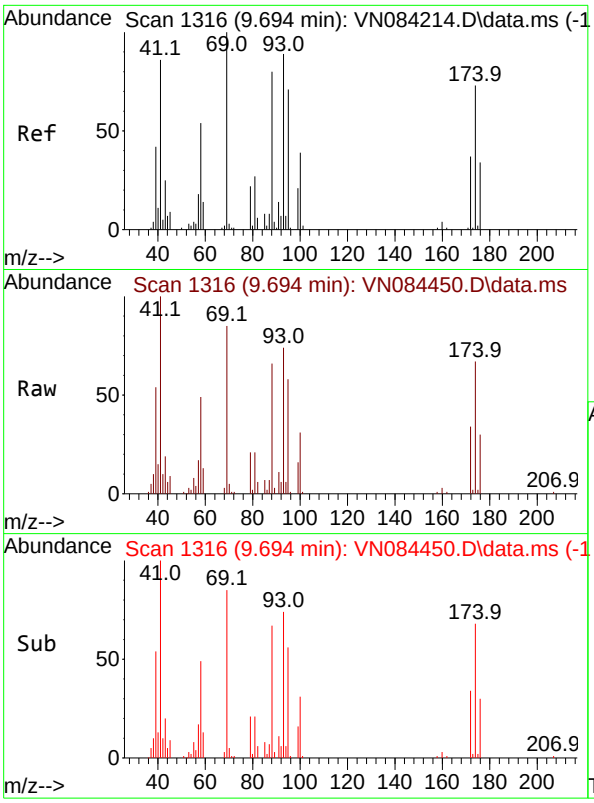


#48
Methyl methacrylate
Concen: 51.341 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 41 Resp: 115233

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.1	100.7
39	55.1	45.8	68.6





#49
1,4-Dioxane
Concen: 1021.535 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

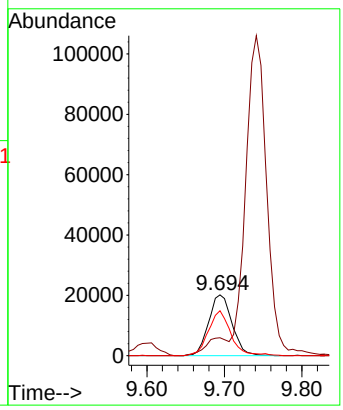
Tgt Ion: 88 Resp: 4221

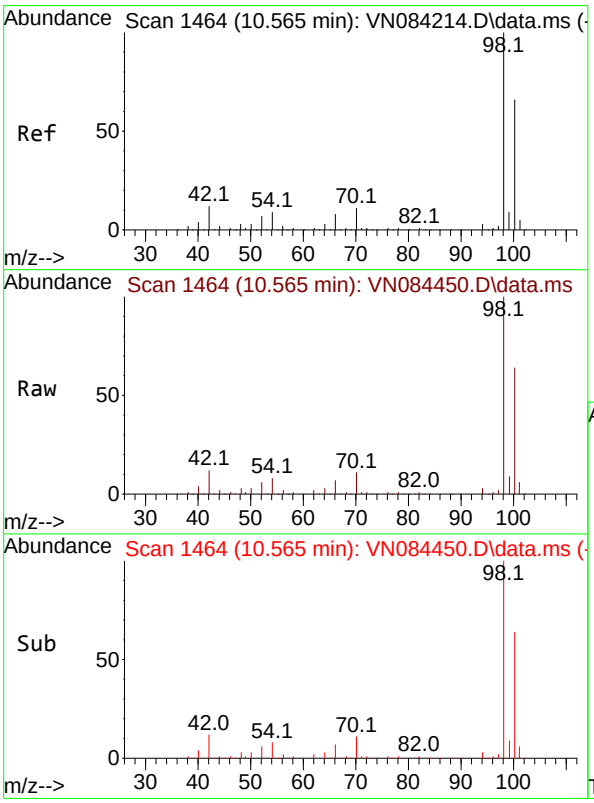
Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	71.3	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

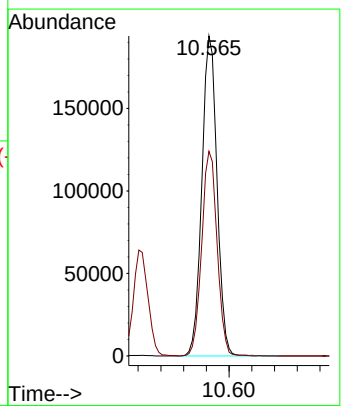


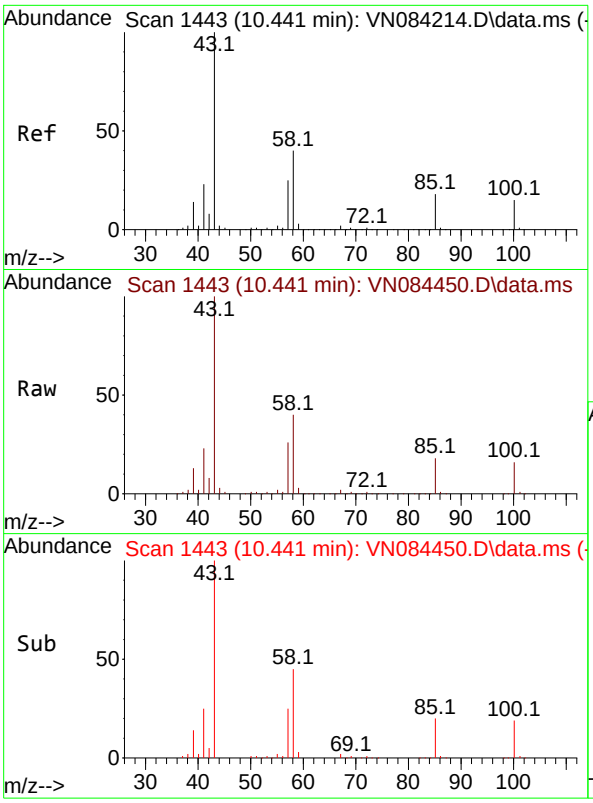


#50
Toluene-d8
Concen: 50.468 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 98 Resp: 358680

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 260.776 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

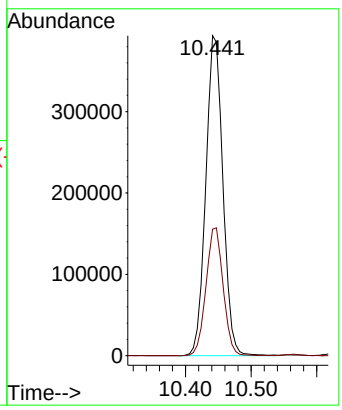
Tgt Ion: 43 Resp: 71461

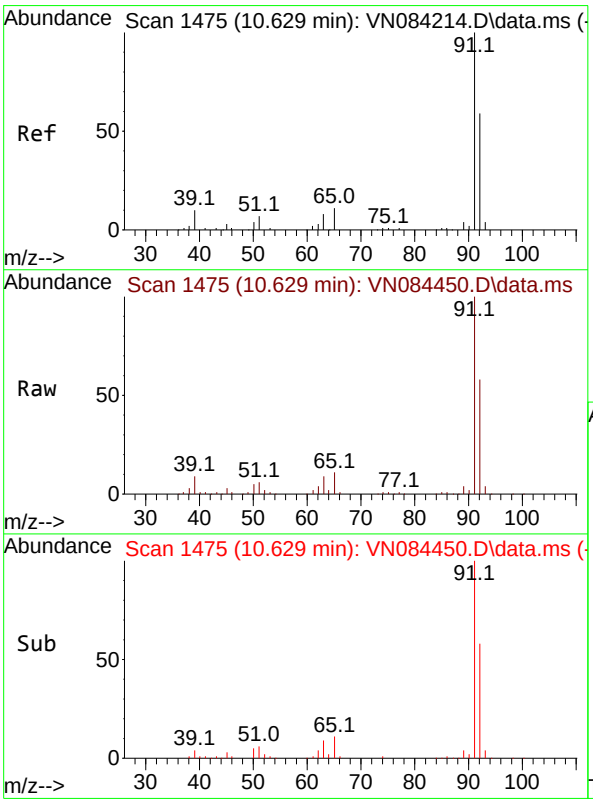
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

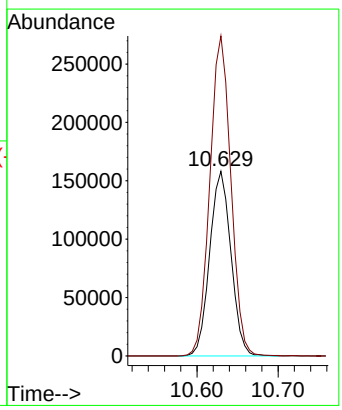


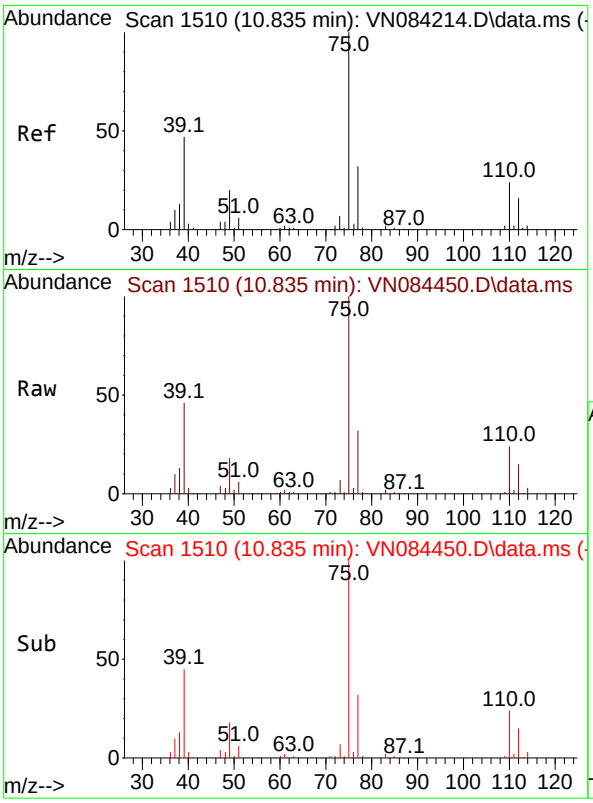


#52
Toluene
Concen: 53.965 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 92 Resp: 287688

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9

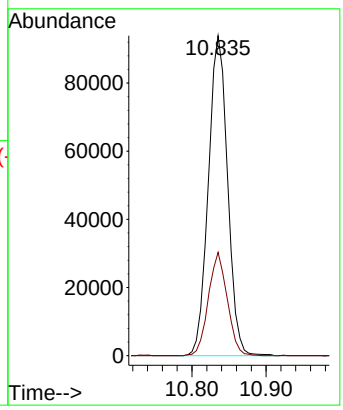




#53
t-1,3-Dichloropropene
Concen: 53.570 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 16931

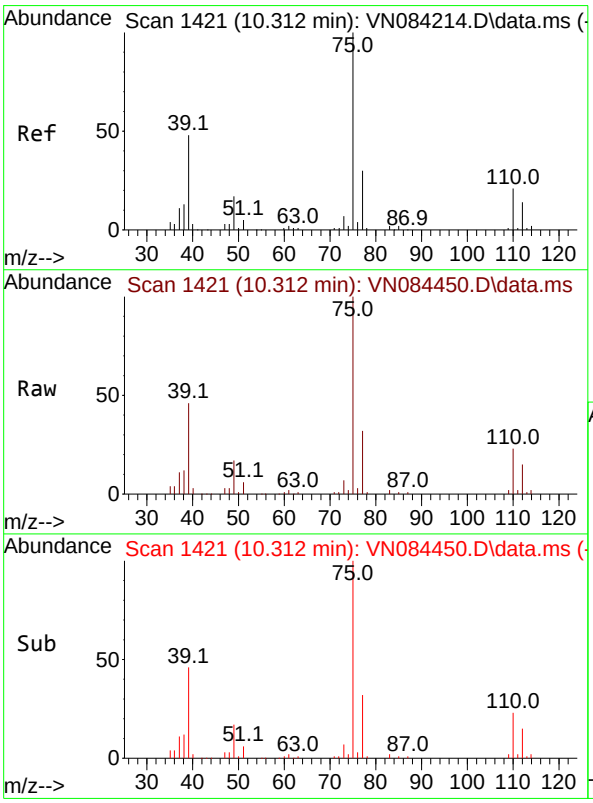
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

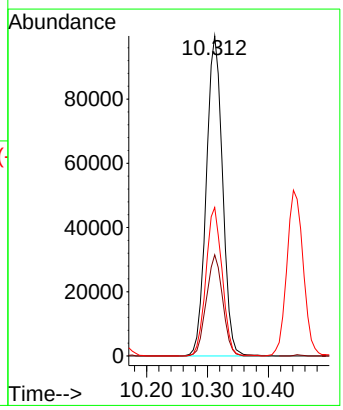
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

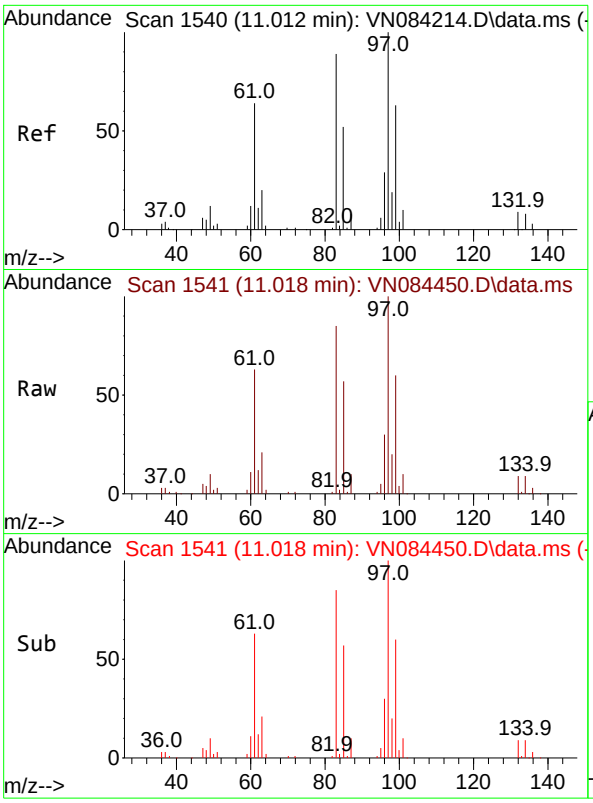


#54
cis-1,3-Dichloropropene
Concen: 54.216 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 184315

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	46.4	38.7	58.1

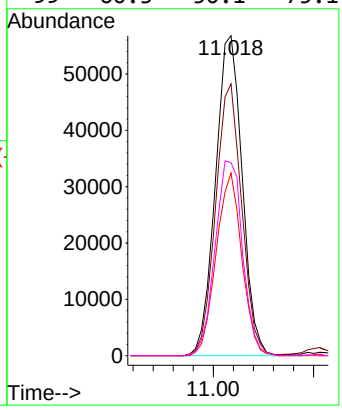




#55
1,1,2-Trichloroethane
Concen: 54.918 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 97 Resp: 10495

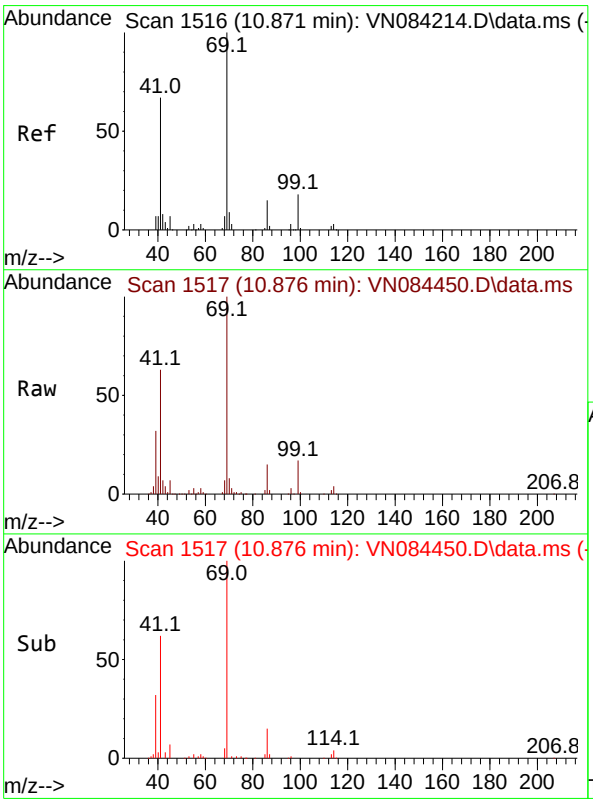
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	57.0	41.7	62.5
99	60.3	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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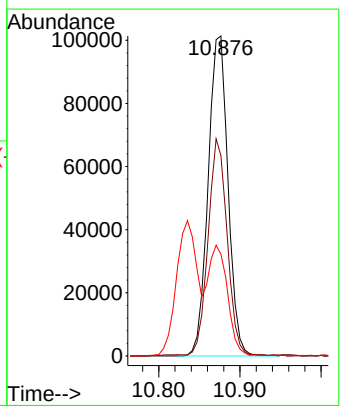
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

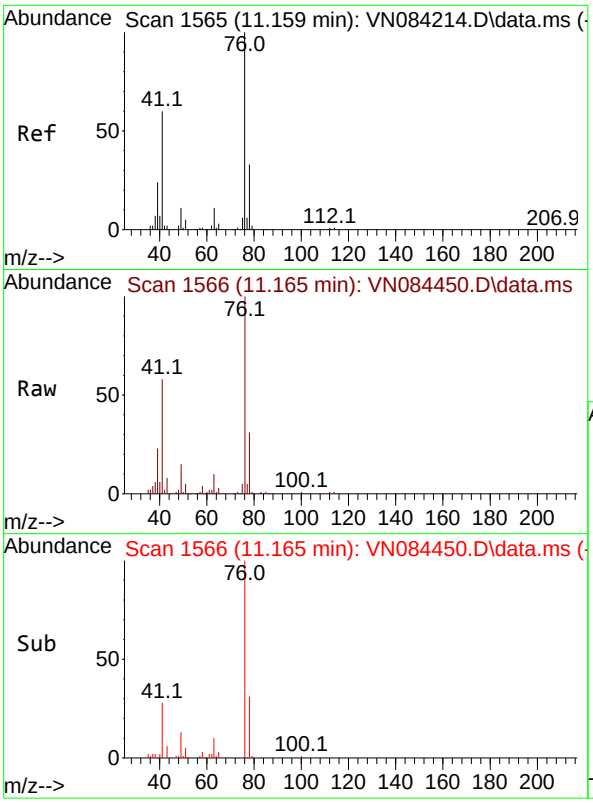


#56
Ethyl methacrylate
Concen: 54.855 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 69 Resp: 172502

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	34.1	28.8	43.2

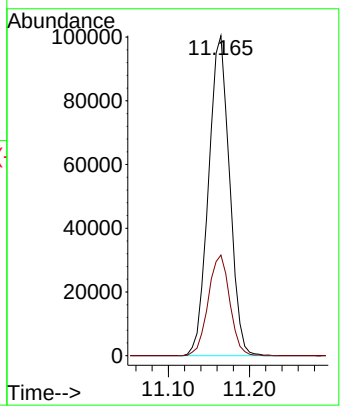




#57
1,3-Dichloropropane
Concen: 52.807 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 76 Resp: 18033

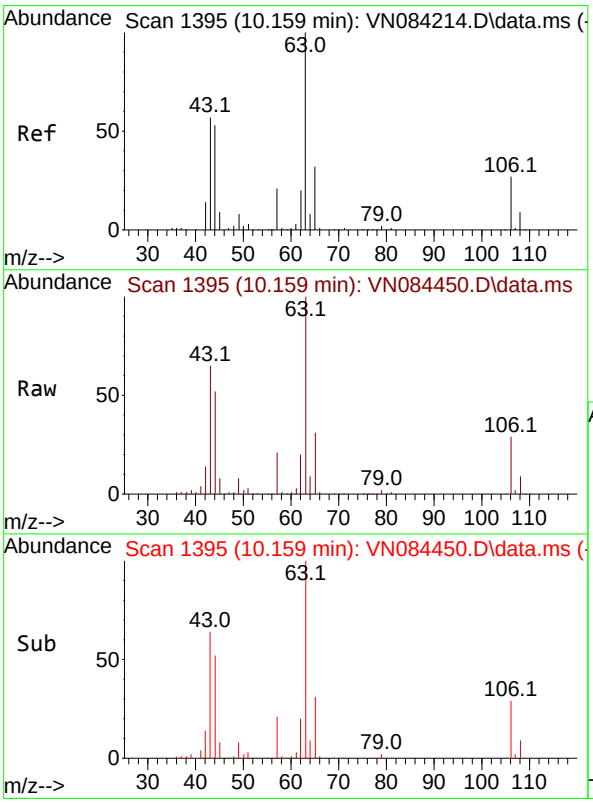
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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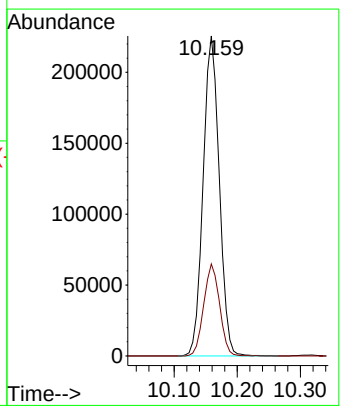
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

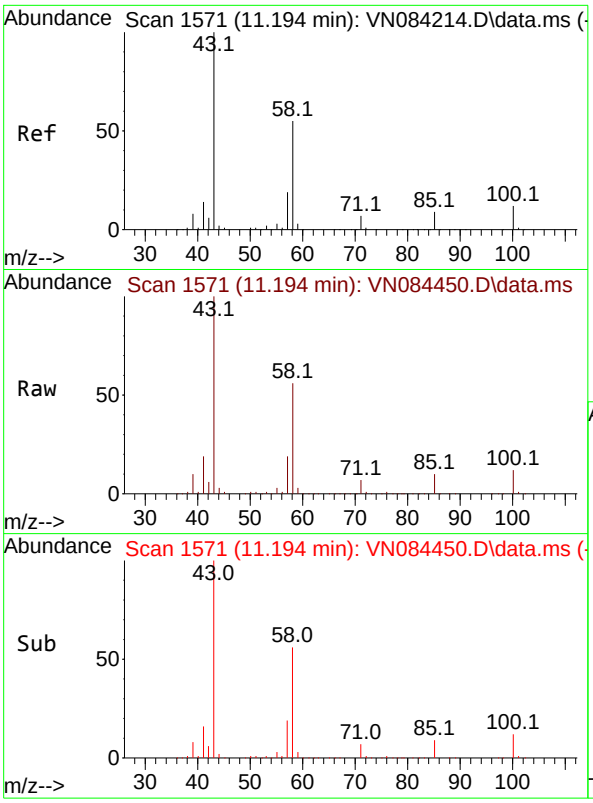


#58
2-Chloroethyl Vinyl ether
Concen: 274.020 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 63 Resp: 399737

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6





#59
2-Hexanone
Concen: 257.349 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

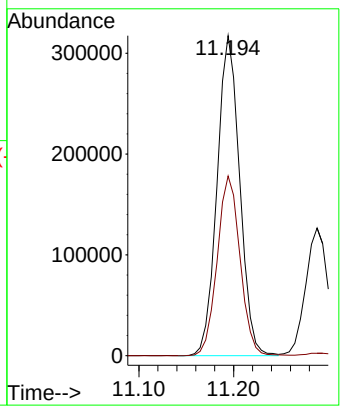
Tgt Ion: 43 Resp: 52709

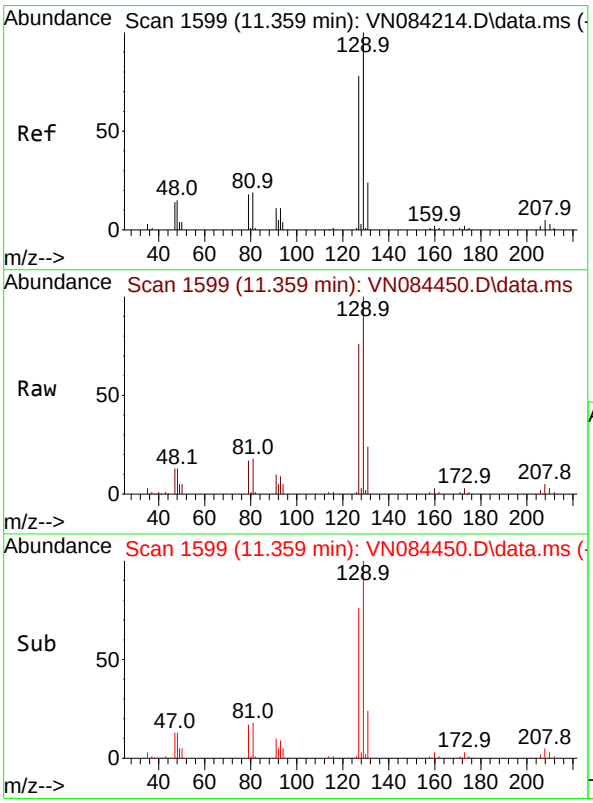
Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

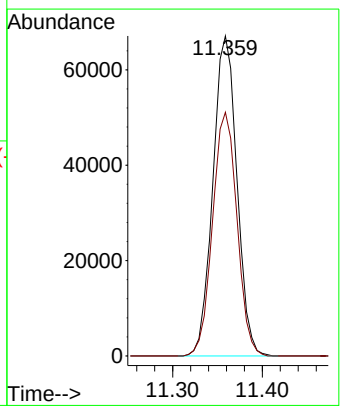


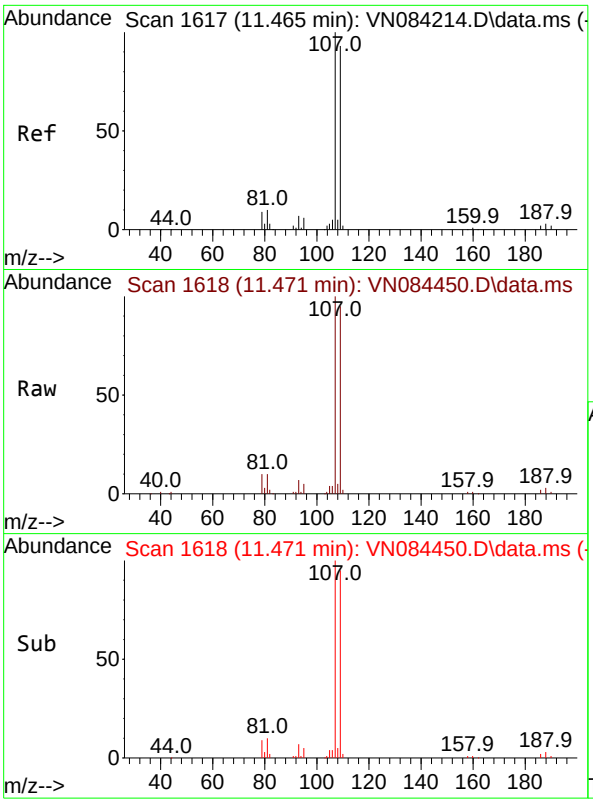


#60
Dibromochloromethane
Concen: 55.202 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:129 Resp: 124650

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9

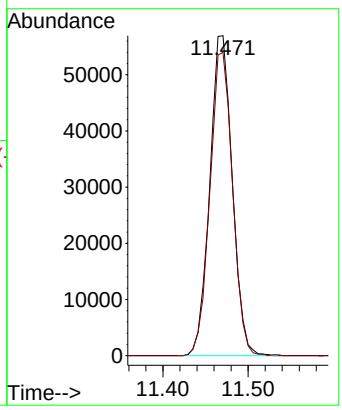




#61
1,2-Dibromoethane
Concen: 52.700 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:107 Resp: 10465

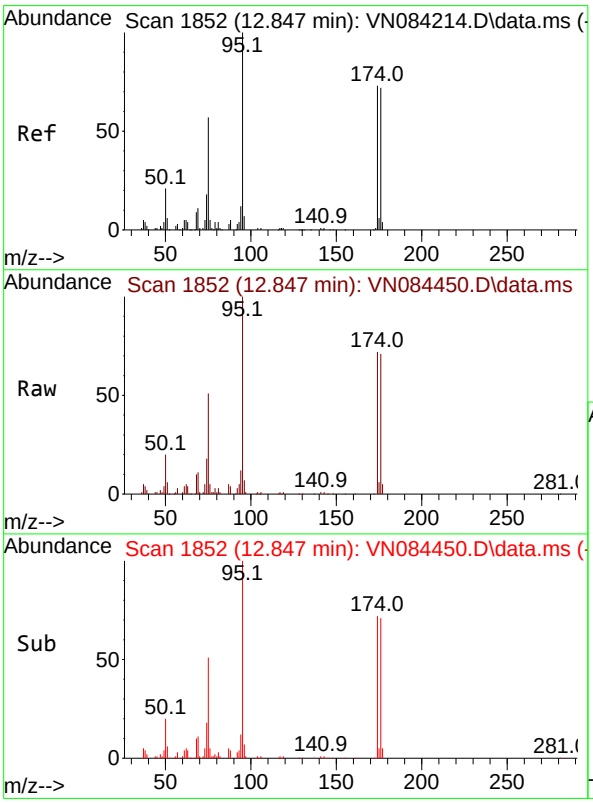
Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

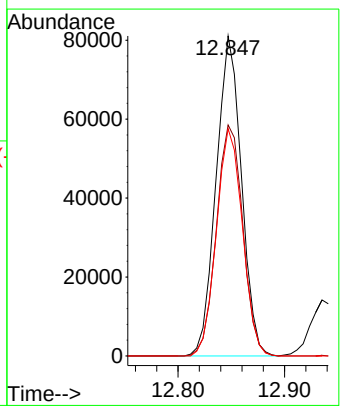
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

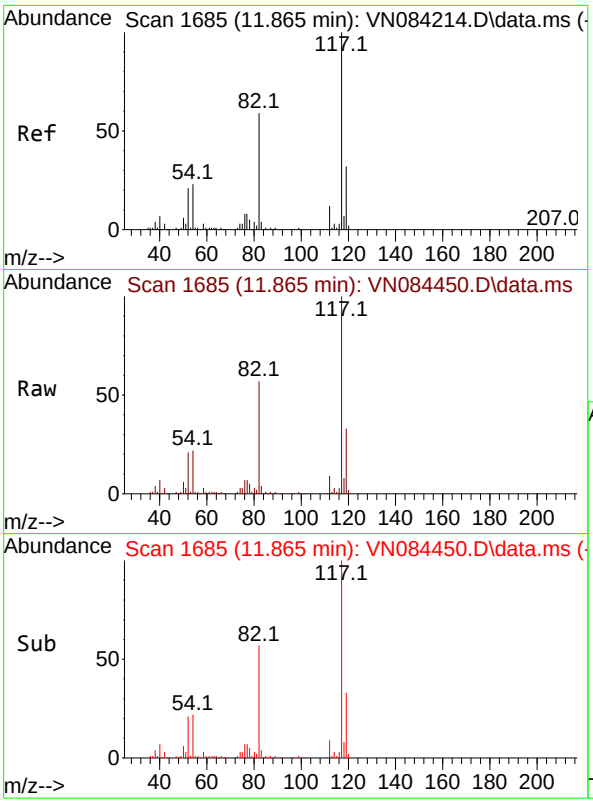


#62
4-Bromofluorobenzene
Concen: 51.620 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 95 Resp: 133654

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	73.1	0.0	140.0

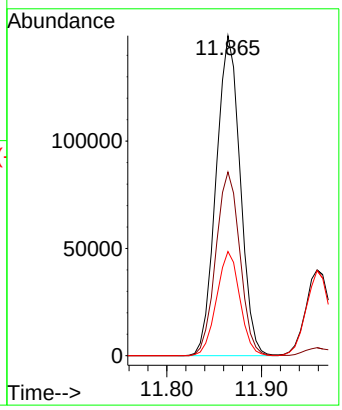




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:117 Resp: 26442

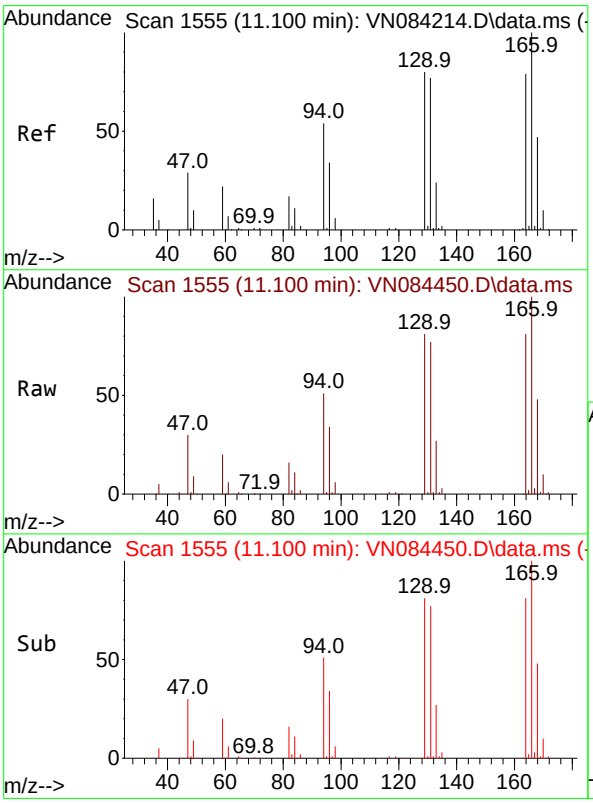
Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	32.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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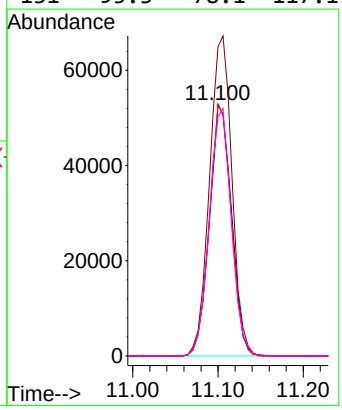
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

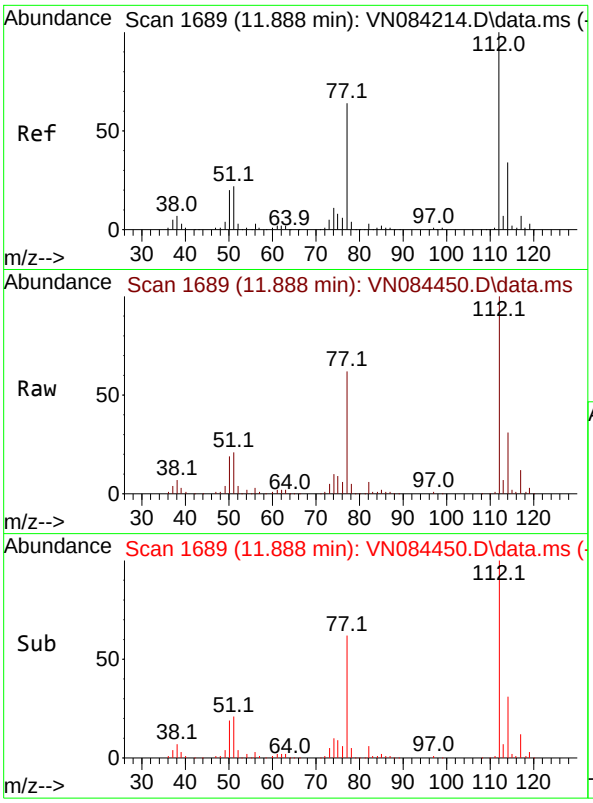


#64
Tetrachloroethene
Concen: 51.605 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:164 Resp: 95043

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.0	151.4
129	100.4	80.8	121.2
131	95.3	78.1	117.1

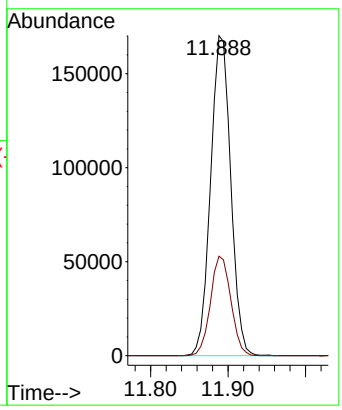




#65
Chlorobenzene
Concen: 52.353 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:112 Resp: 30693

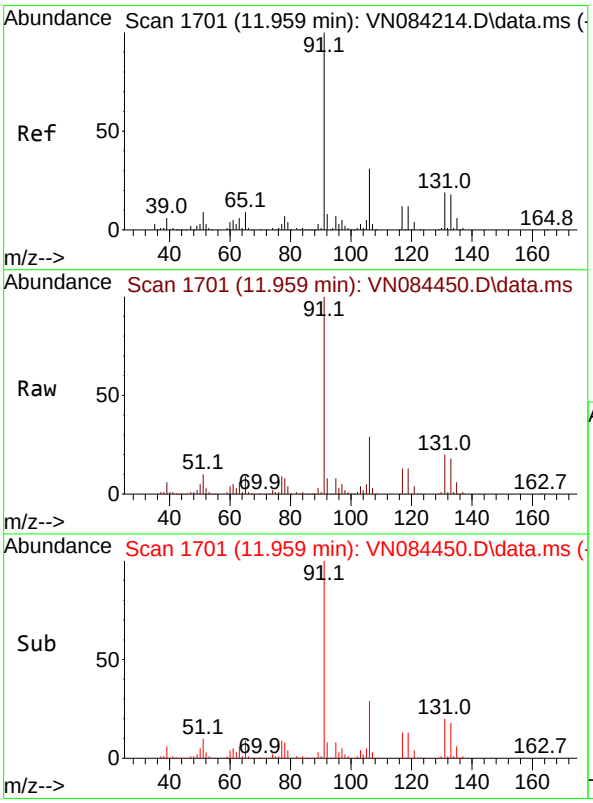
Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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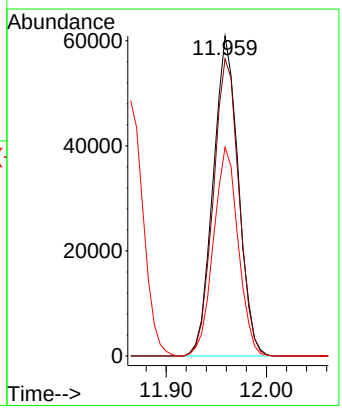
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

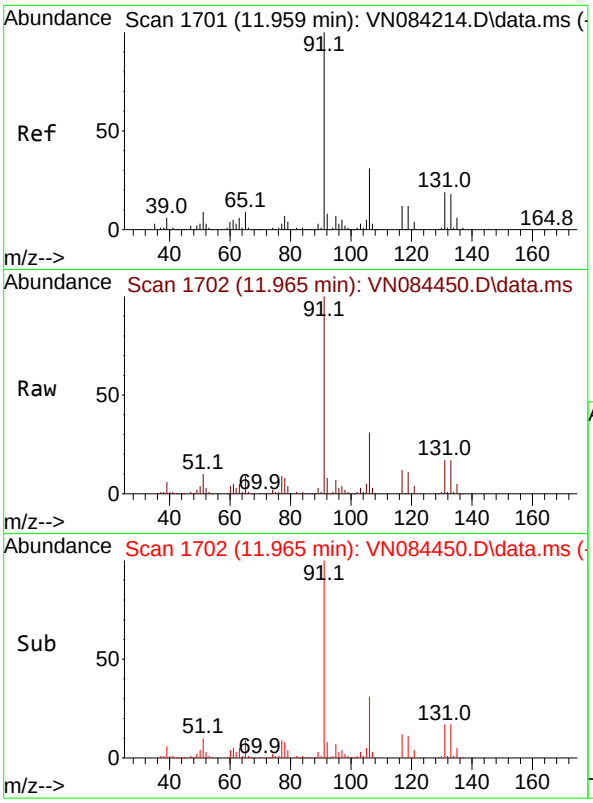


#66
1,1,1,2-Tetrachloroethane
Concen: 52.606 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:131 Resp: 106232

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.1	32.8	98.3

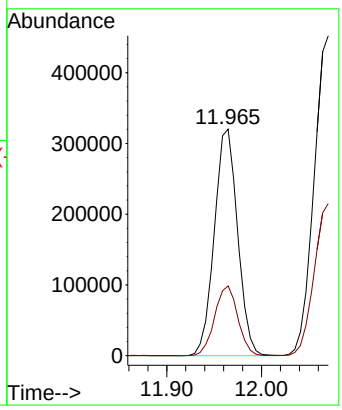




#67
Ethyl Benzene
Concen: 52.745 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 91 Resp: 54687

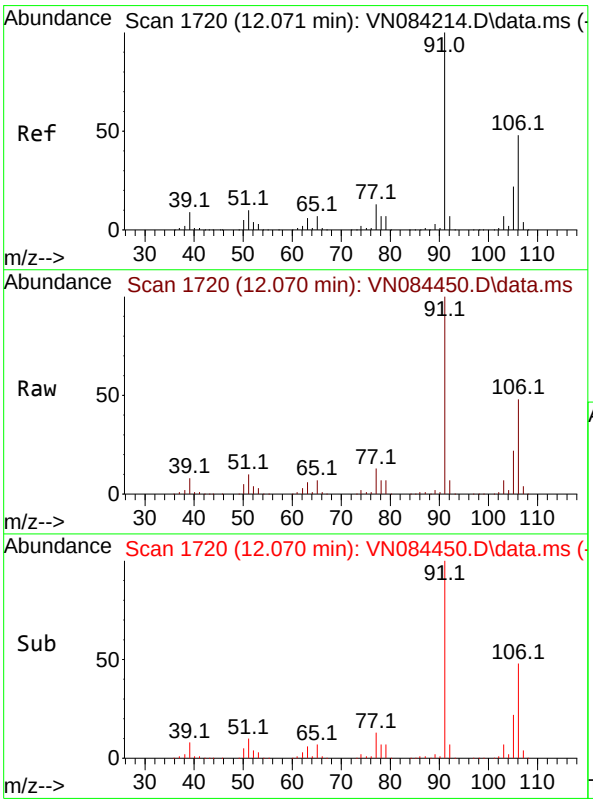
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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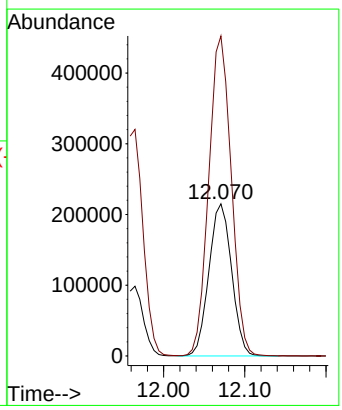
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

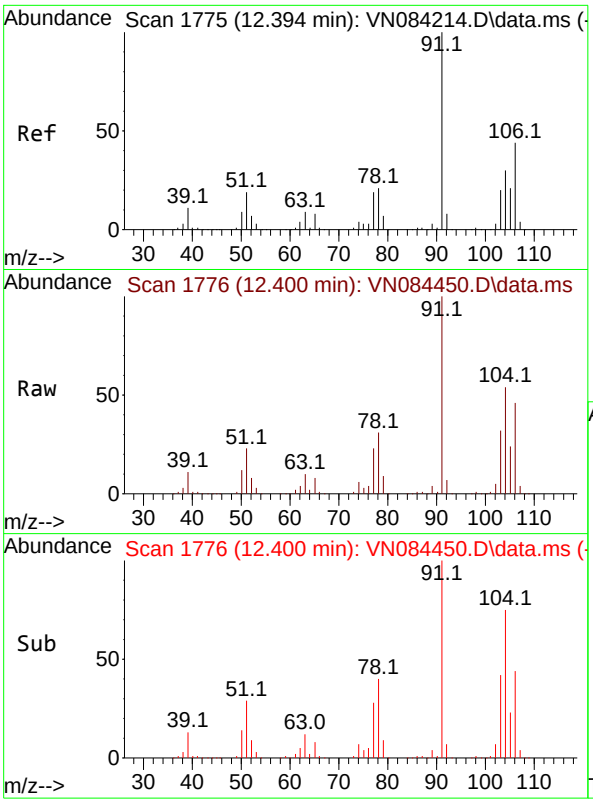


#68
m/p-Xylenes
Concen: 108.934 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:106 Resp: 417795

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.1	250.7

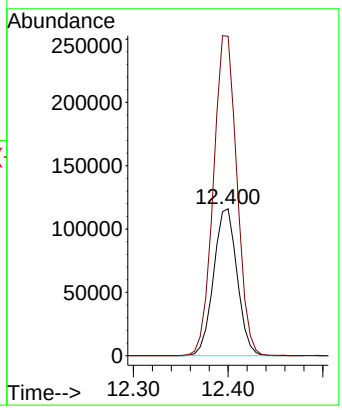




#69
o-Xylene
Concen: 55.153 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:106 Resp: 20013

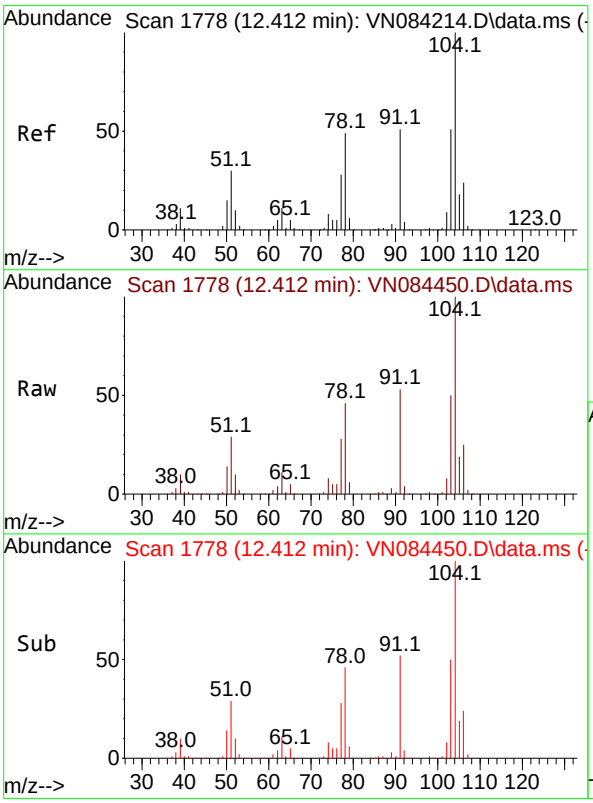
Ion	Ratio	Lower	Upper
106	100		
91	217.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

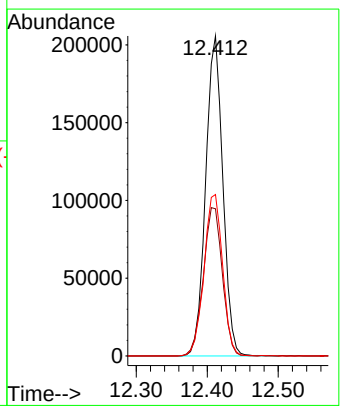
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

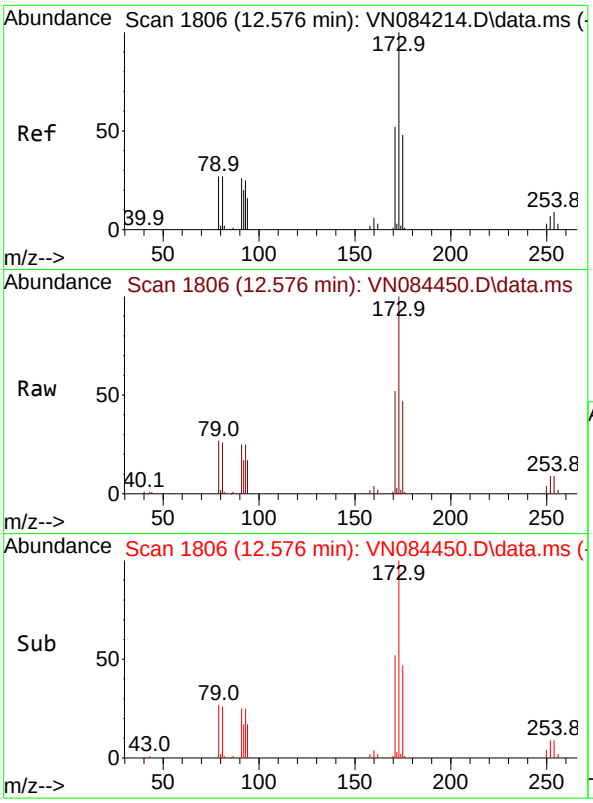


#70
Styrene
Concen: 56.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:104 Resp: 345696

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.7	64.1
103	54.7	43.6	65.4

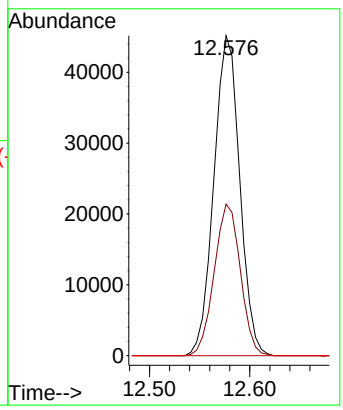




#71
Bromoform
Concen: 54.380 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:173 Resp: 8084

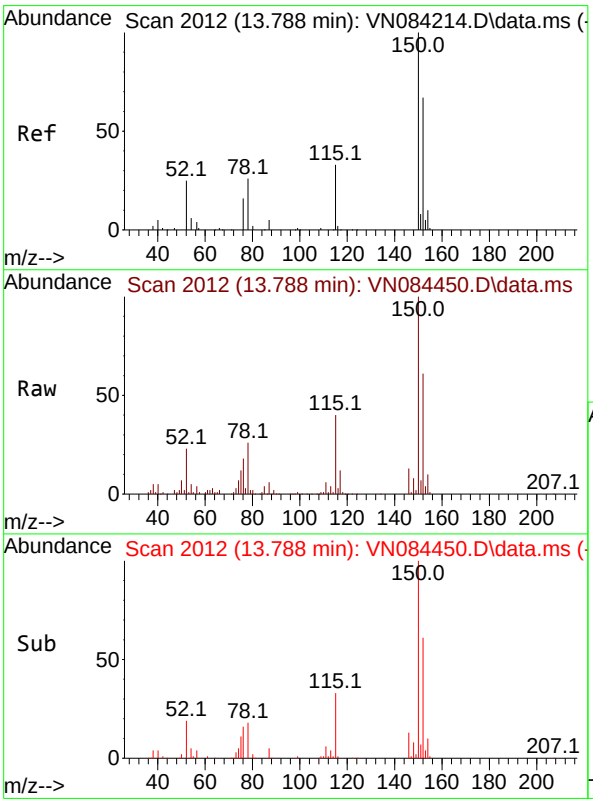
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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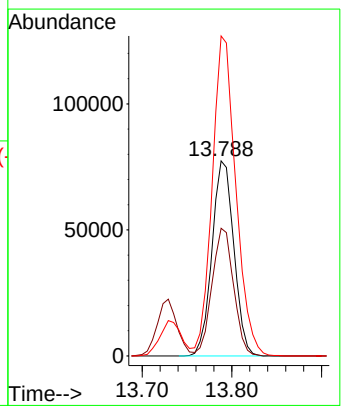
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

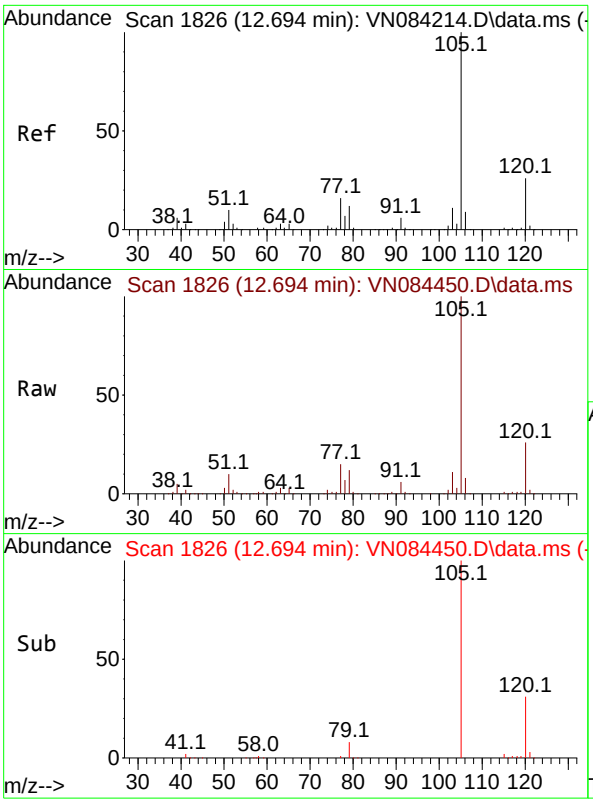


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:152 Resp: 131065

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	177.4	0.0	349.8

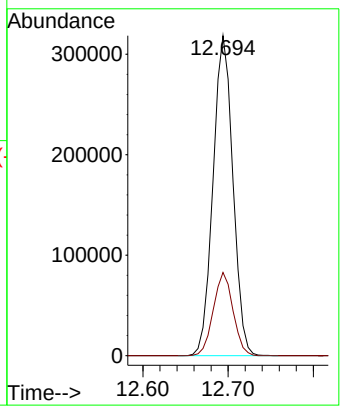




#73
Isopropylbenzene
Concen: 51.598 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:105 Resp: 51605

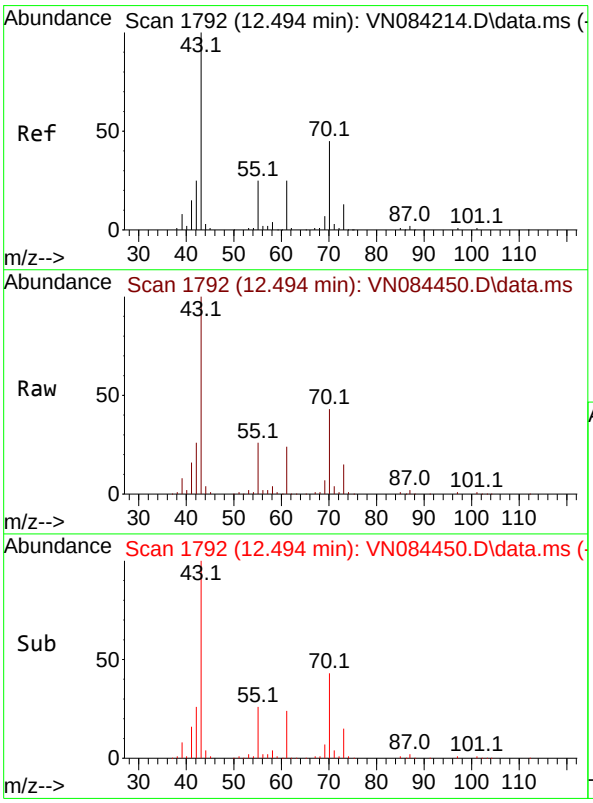
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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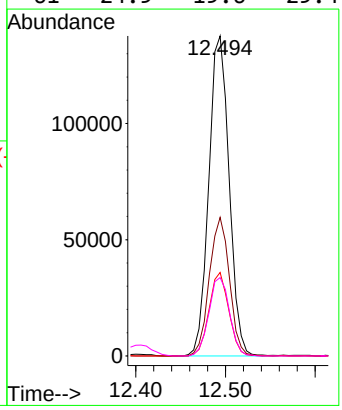
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

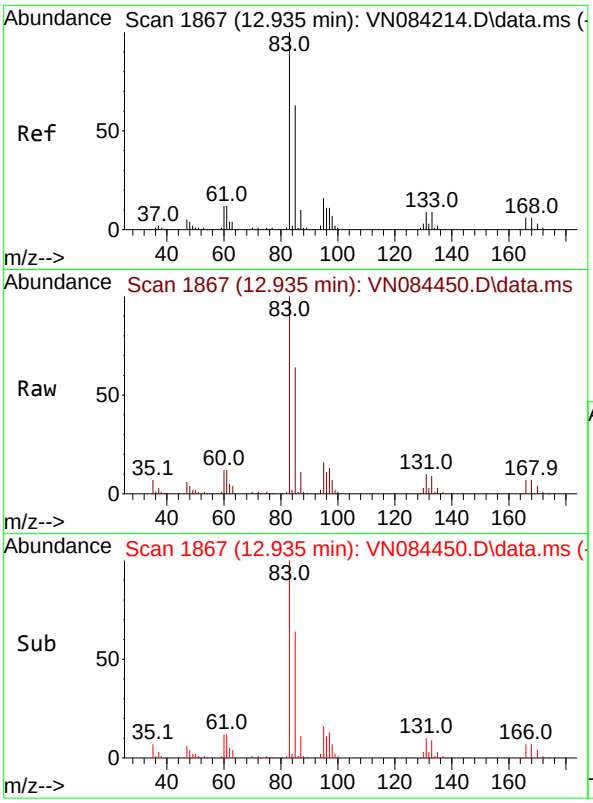


#74
N-amyl acetate
Concen: 47.839 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 216664

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	25.4	19.6	29.4
61	24.9	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 49.254 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

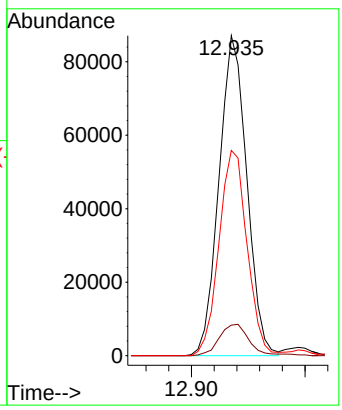
Tgt Ion: 83 Resp: 14812

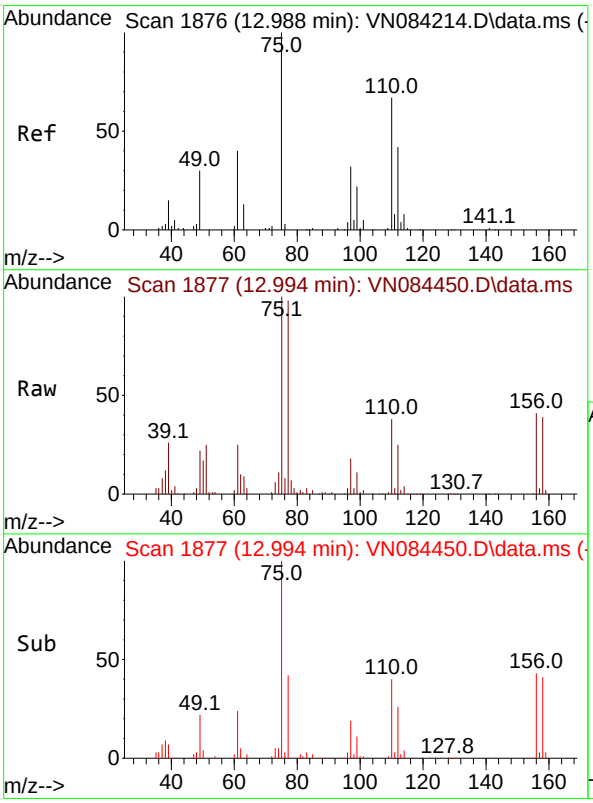
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	64.7	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

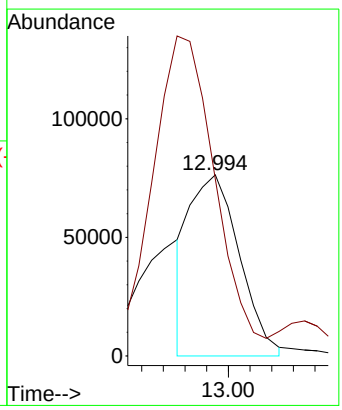


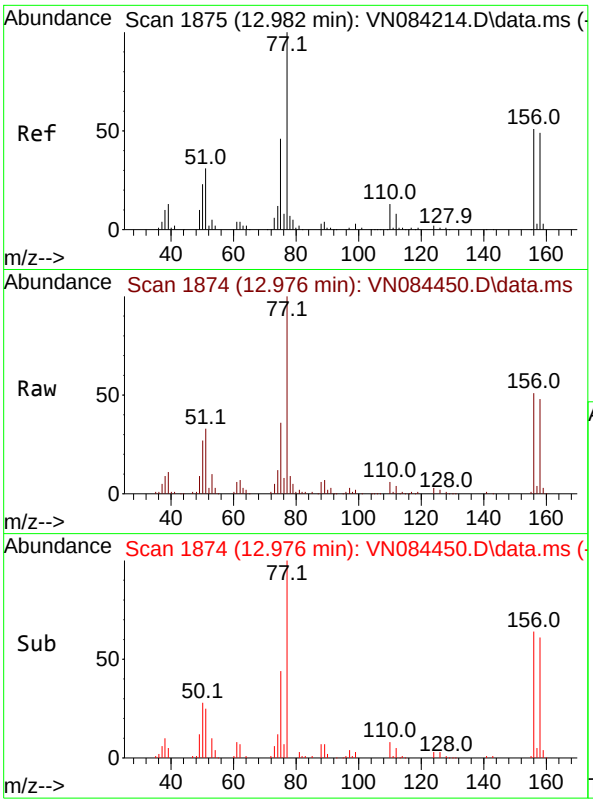


#76
1,2,3-Trichloropropane
Concen: 45.781 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 122497

Ion	Ratio	Lower	Upper
75	100		
77	224.1	96.9	290.7

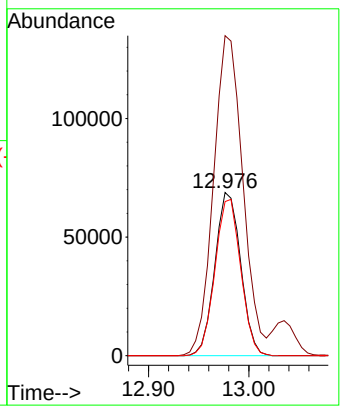




#77
Bromobenzene
Concen: 51.012 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:156 Resp: 12306

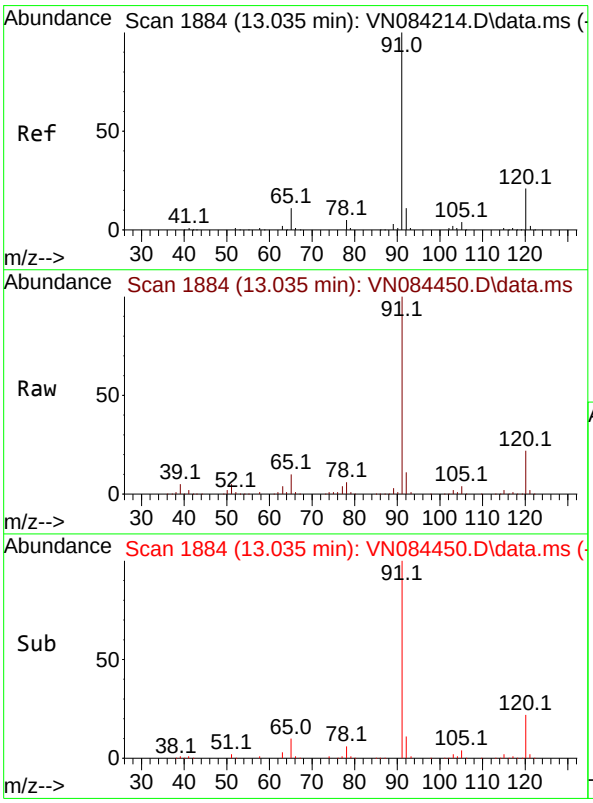
Ion	Ratio	Lower	Upper
156	100		
77	223.0	115.1	345.3
158	95.6	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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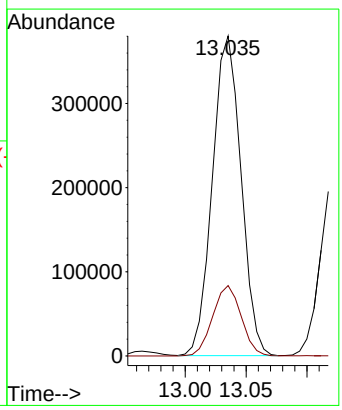
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

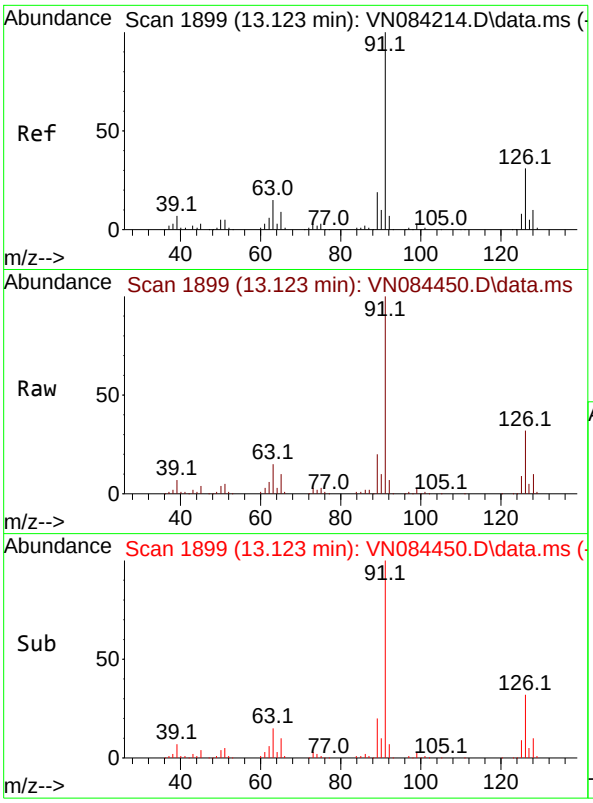


#78
n-propylbenzene
Concen: 53.618 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 91 Resp: 621310

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4





#79
2-Chlorotoluene
Concen: 50.998 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

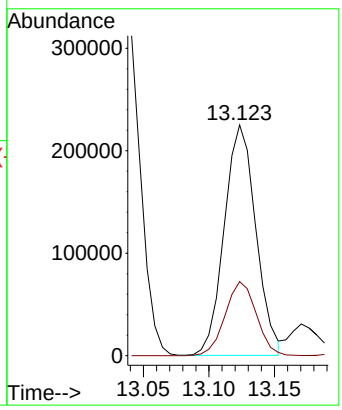
Tgt Ion: 91 Resp: 37709

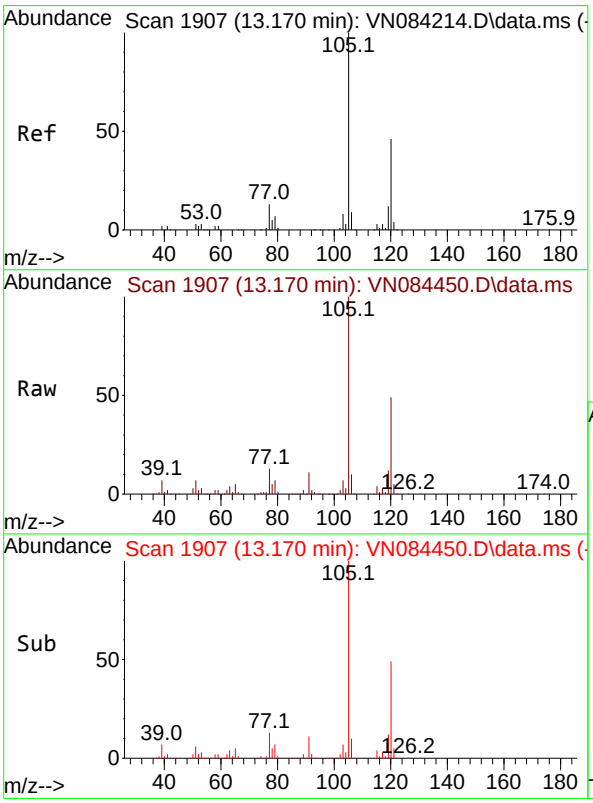
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

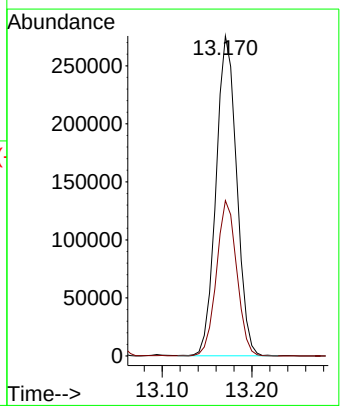


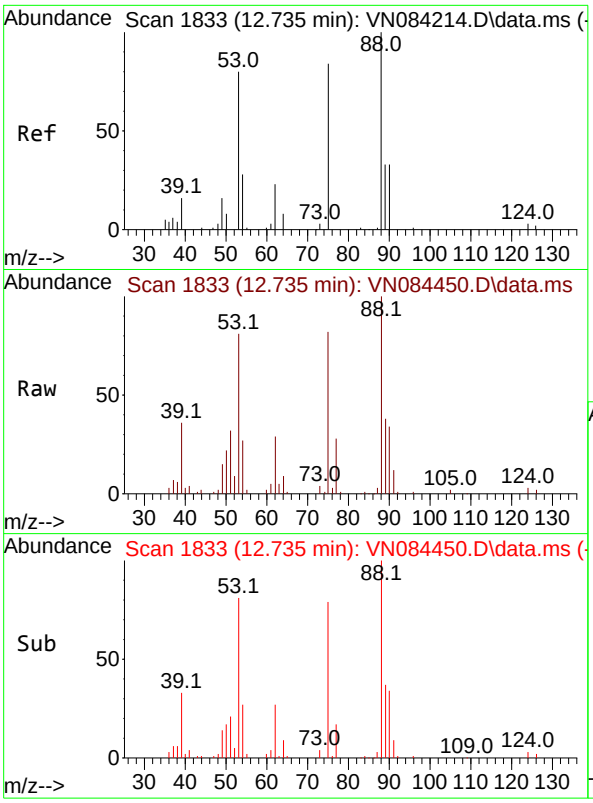


#80
1,3,5-Trimethylbenzene
Concen: 53.830 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:105 Resp: 439162

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 47.495 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

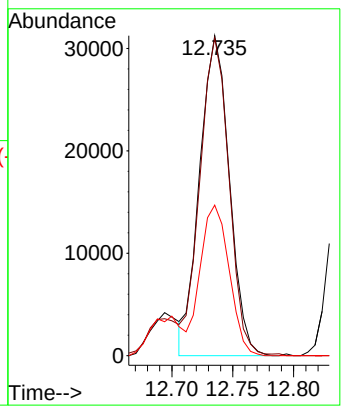
Tgt Ion: 75 Resp: 5300

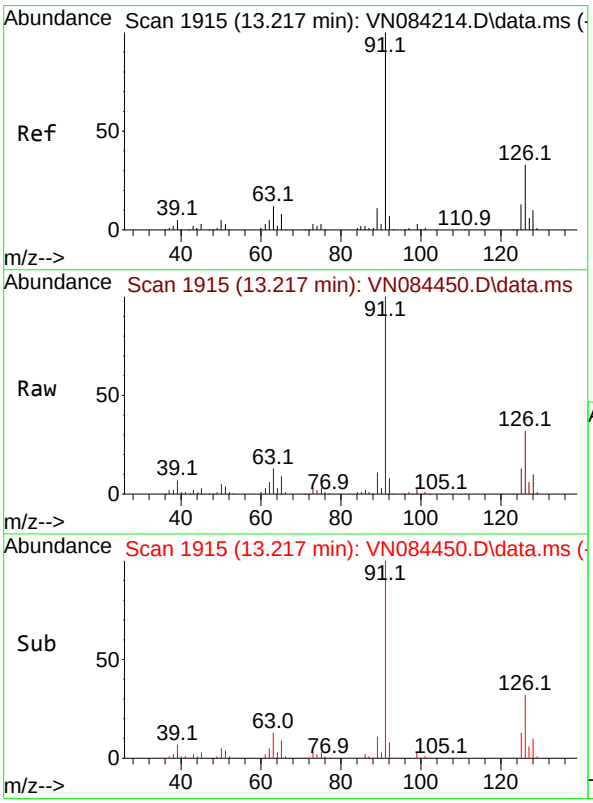
Ion	Ratio	Lower	Upper
75	100		
53	97.3	78.0	117.0
89	45.5	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Supervised By :Mahesh Dadoda 10/23/2024

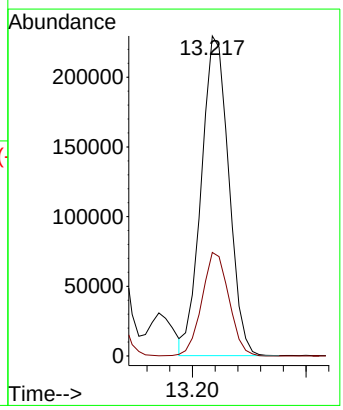


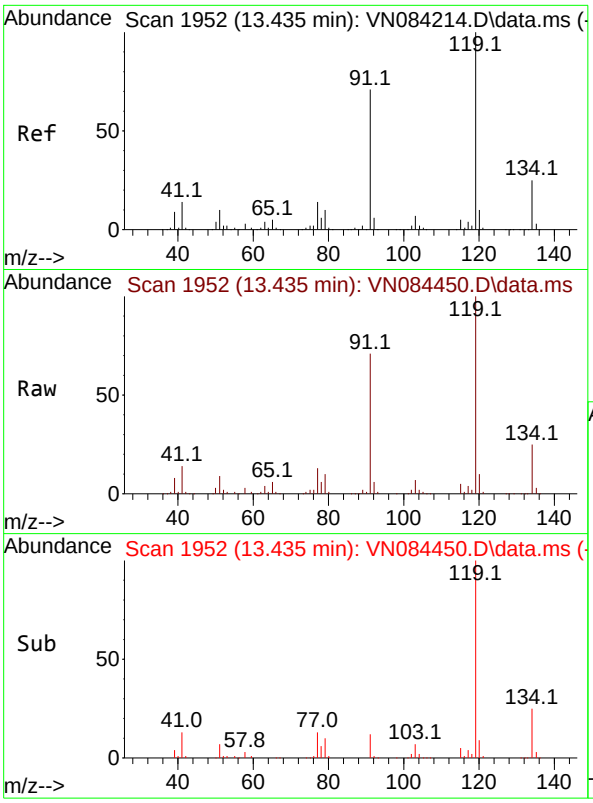


#82
4-Chlorotoluene
Concen: 51.701 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 91 Resp: 384836

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

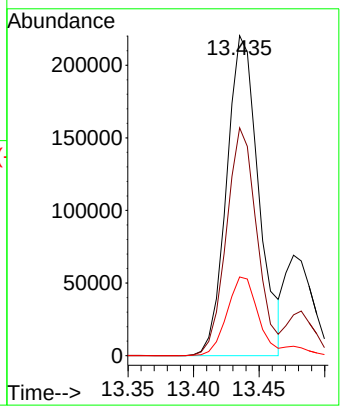




#83
tert-Butylbenzene
Concen: 51.702 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:119 Resp: 37489

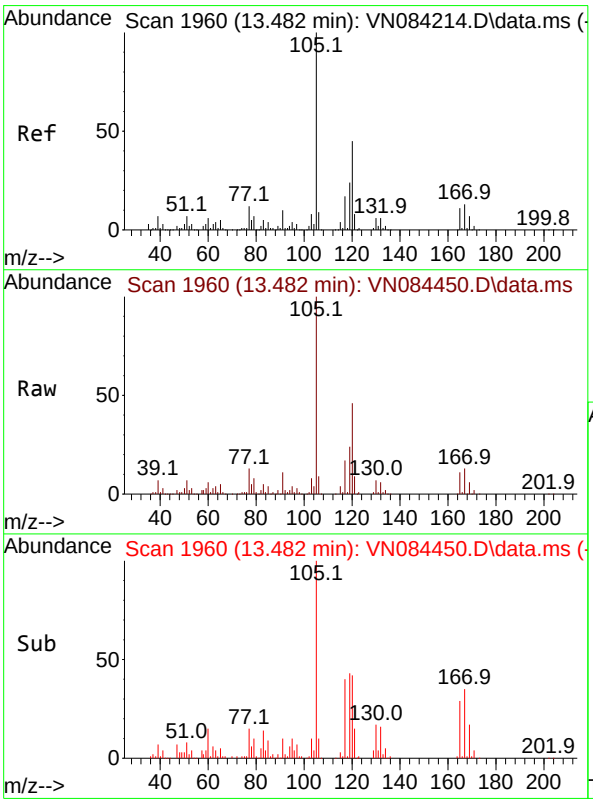
Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	26.1	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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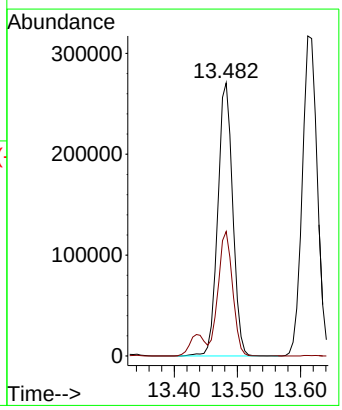
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

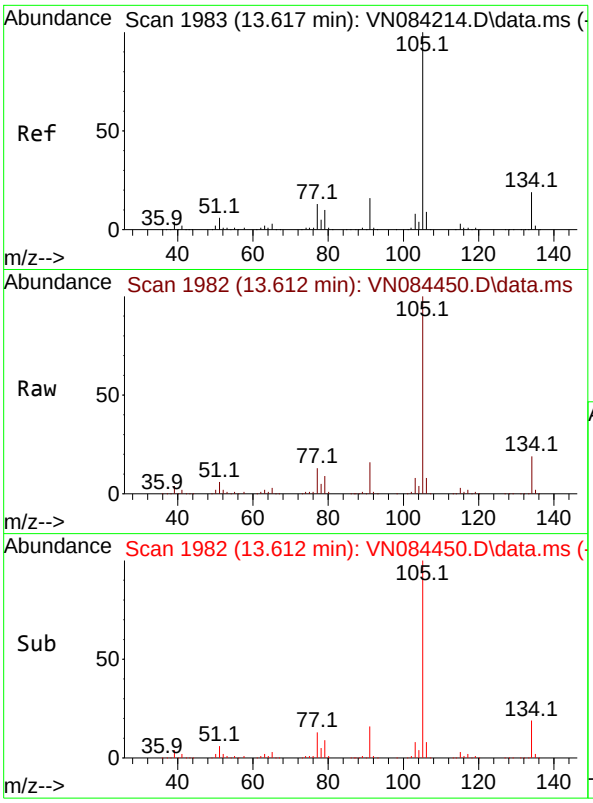


#84
1,2,4-Trimethylbenzene
Concen: 54.030 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:105 Resp: 444051

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8





#85
sec-Butylbenzene
Concen: 54.176 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

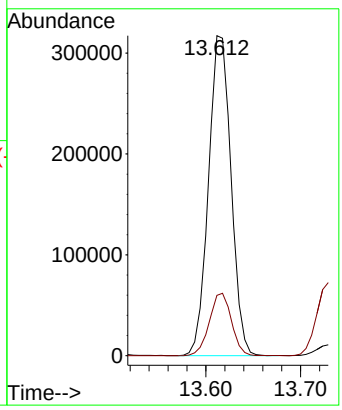
Tgt Ion:105 Resp: 52421

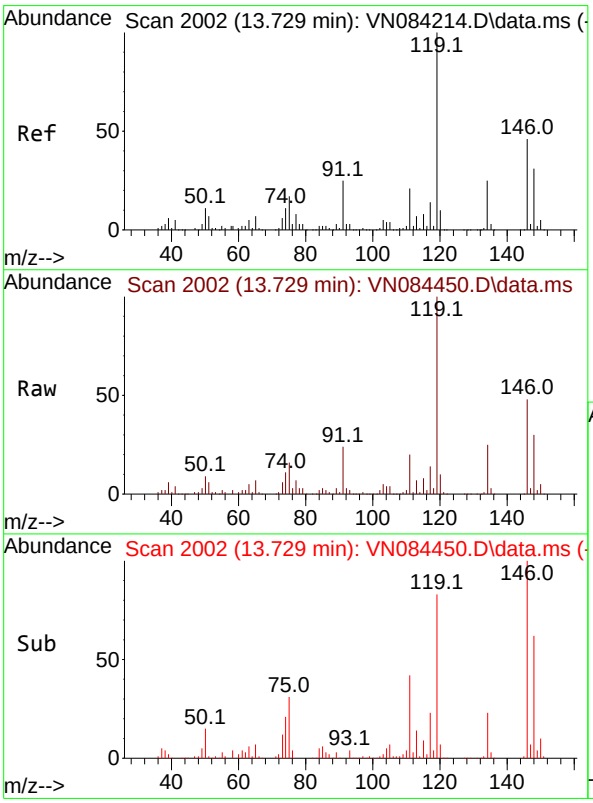
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

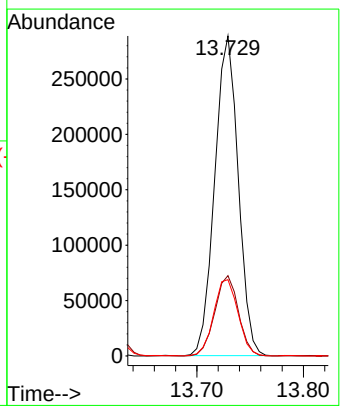


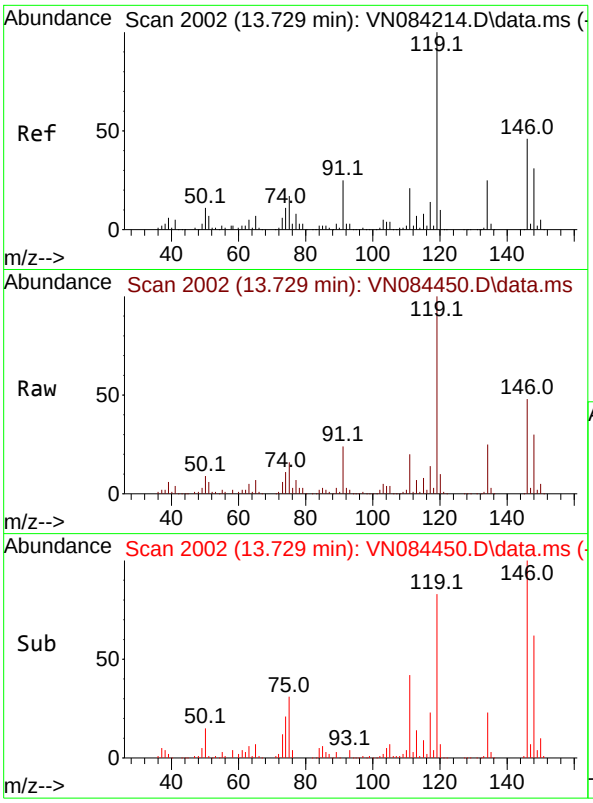


#86
p-Isopropyltoluene
Concen: 55.249 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:119 Resp: 442063

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	24.7	12.4	37.2

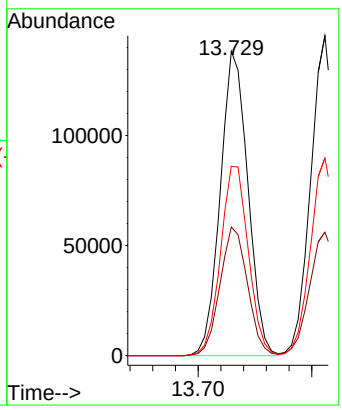




#87
1,3-Dichlorobenzene
Concen: 51.592 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:146 Resp: 23349

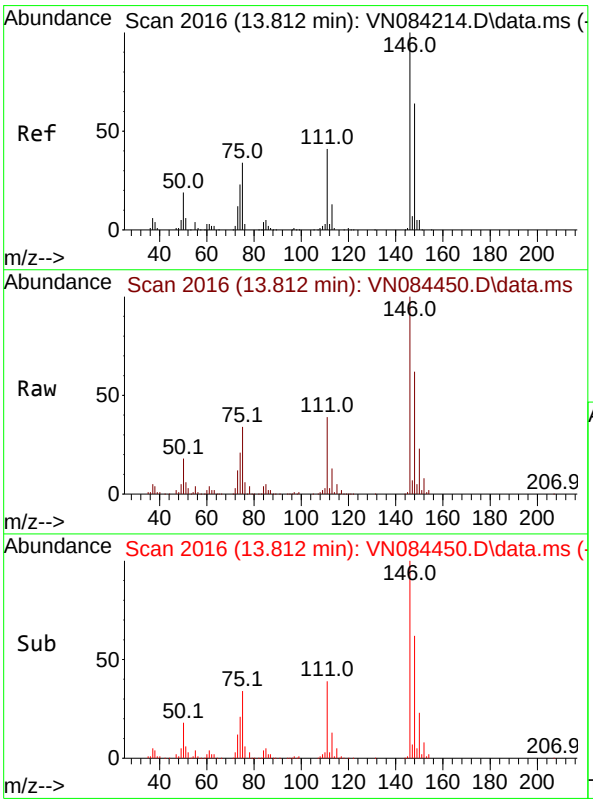
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	62.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

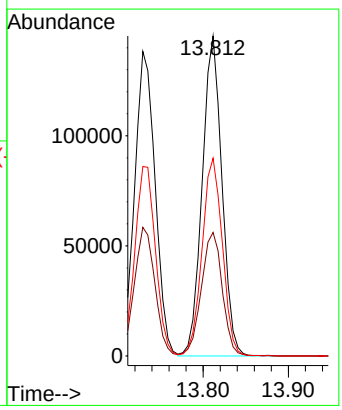
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

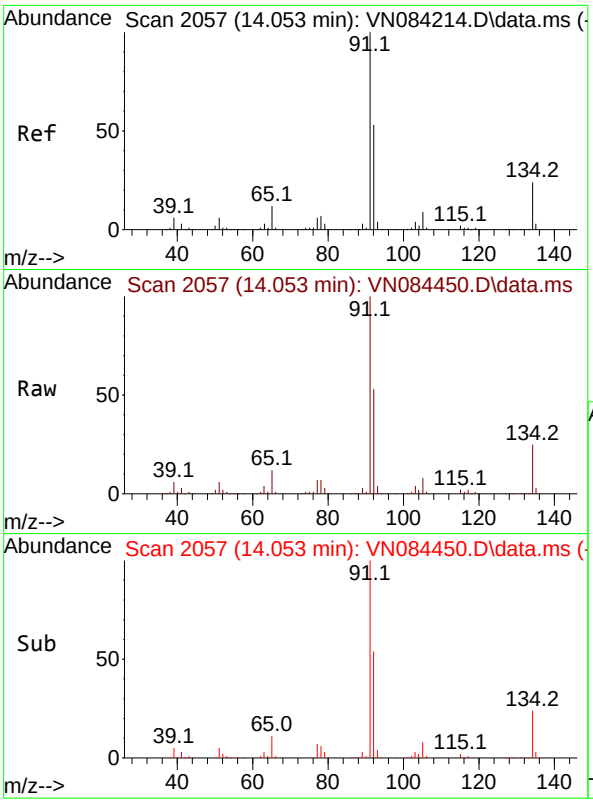


#88
1,4-Dichlorobenzene
Concen: 51.140 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:146 Resp: 233732

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.2	63.6
148	63.6	31.9	95.9





#89
n-Butylbenzene
Concen: 52.864 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

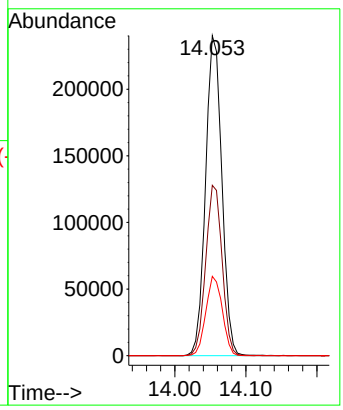
Tgt Ion: 91 Resp: 38353

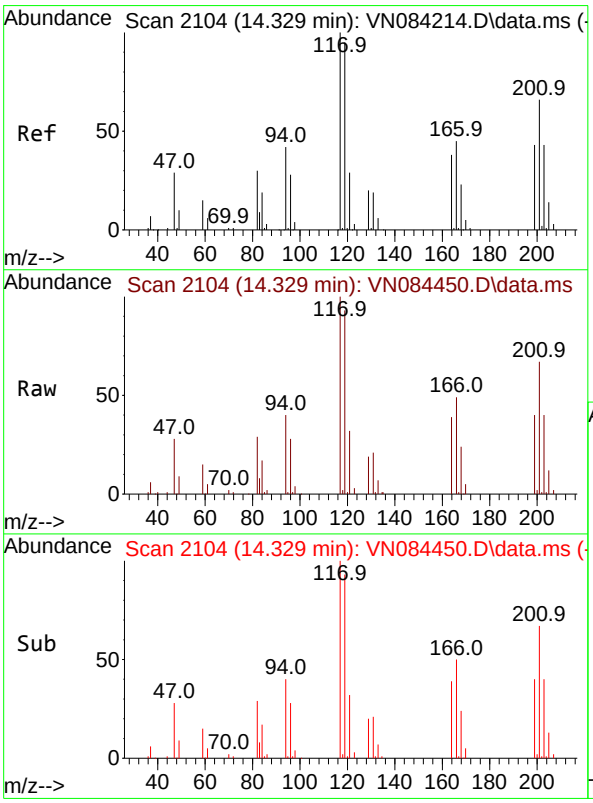
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	25.0	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

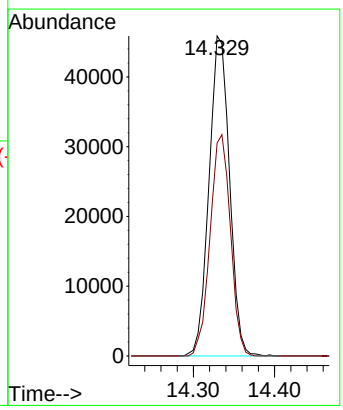


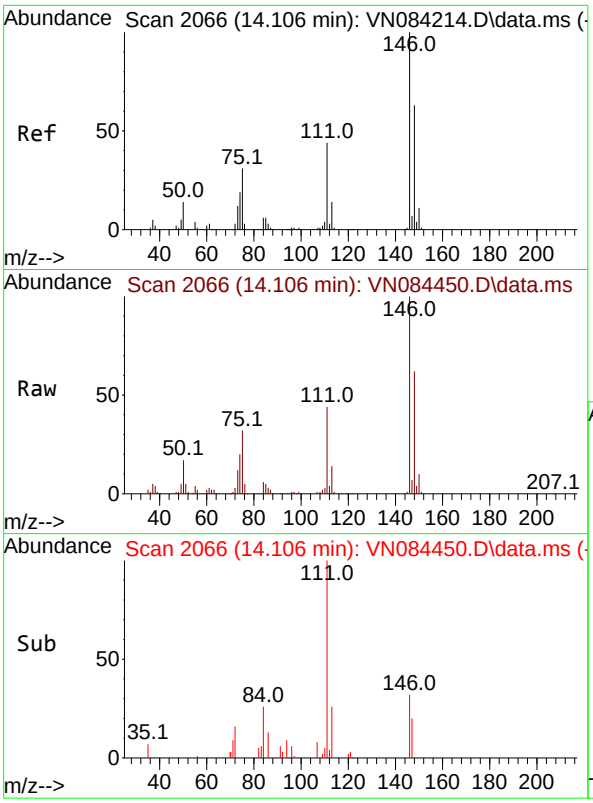


#90
Hexachloroethane
Concen: 49.520 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:117 Resp: 80426

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.4	103.2

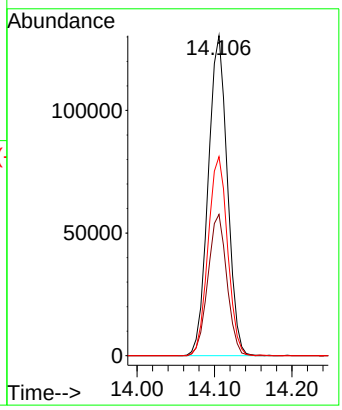




#91
1,2-Dichlorobenzene
Concen: 50.456 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:146 Resp: 22391

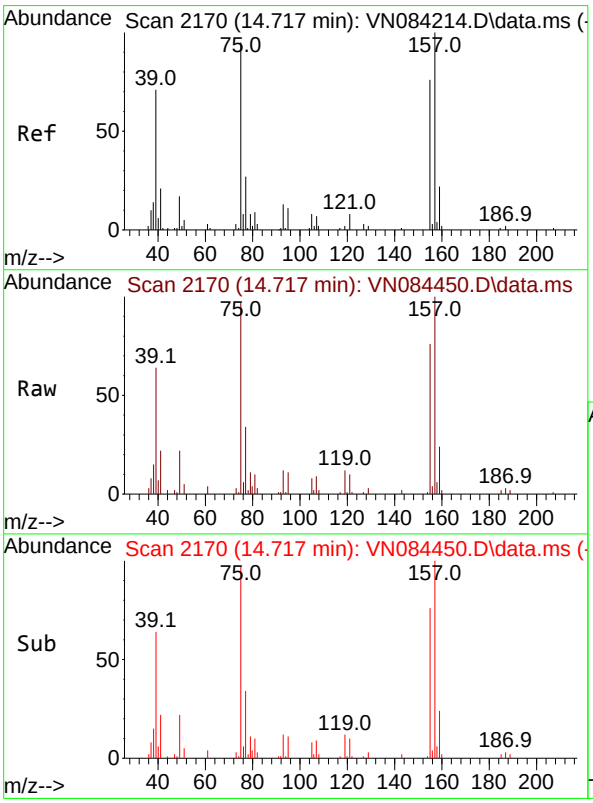
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

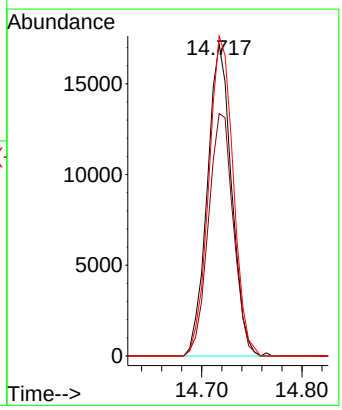
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

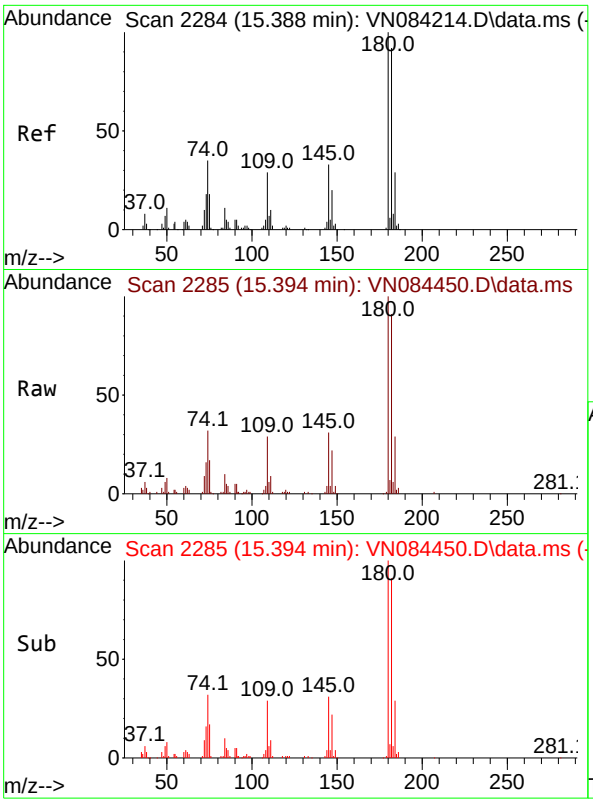


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.726 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 28998

Ion	Ratio	Lower	Upper
75	100		
155	79.4	38.1	114.5
157	103.1	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 54.732 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

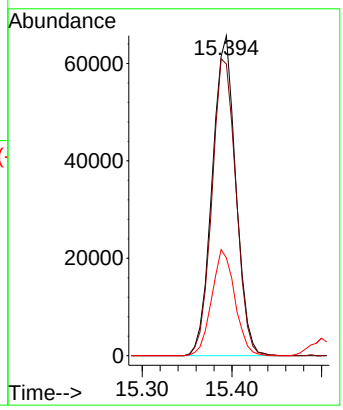
Tgt Ion:180 Resp: 11963

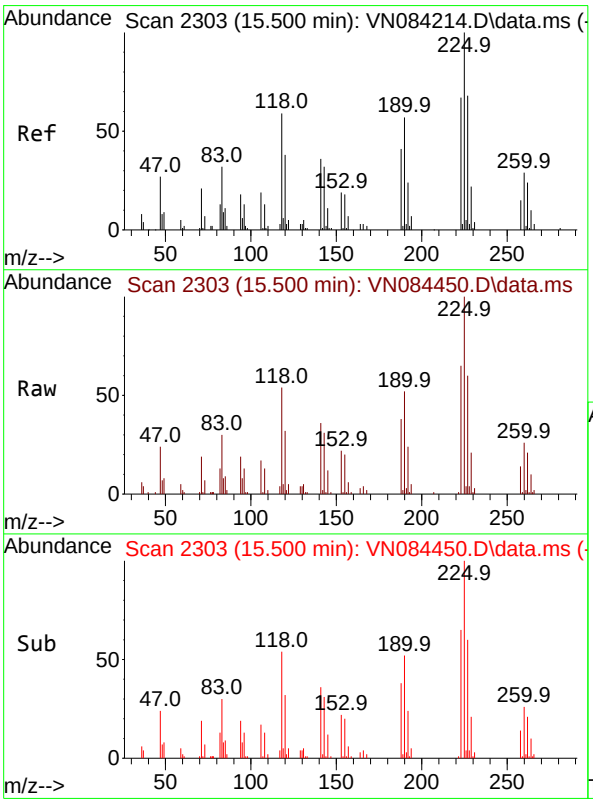
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.6	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

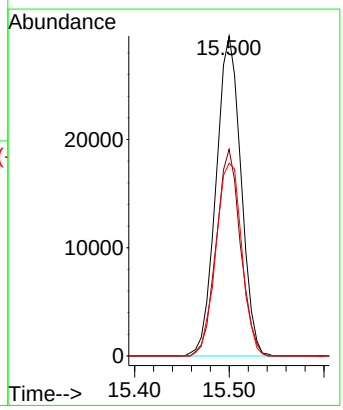


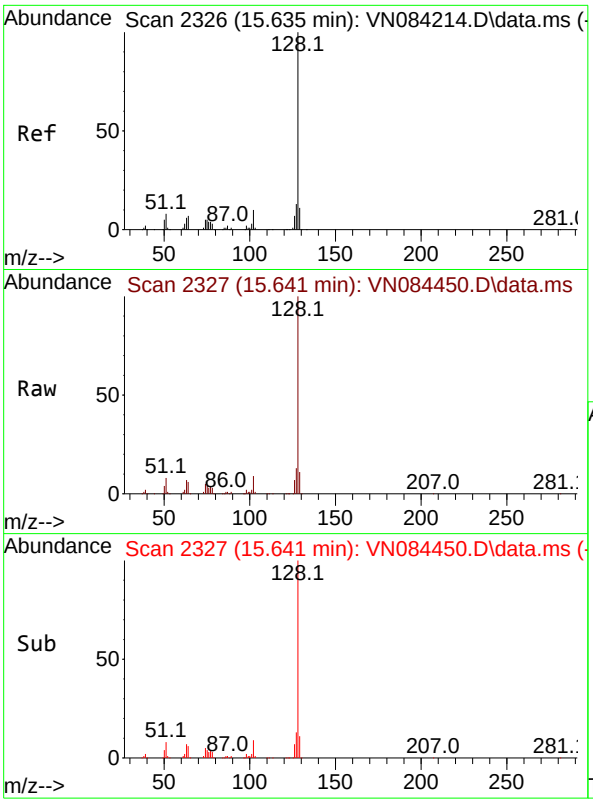


#94
Hexachlorobutadiene
Concen: 49.655 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:225 Resp: 54127

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.4	97.2
227	62.4	32.4	97.0

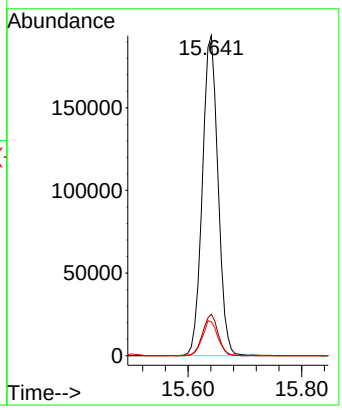




#95
Naphthalene
Concen: 50.976 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:128 Resp: 36938

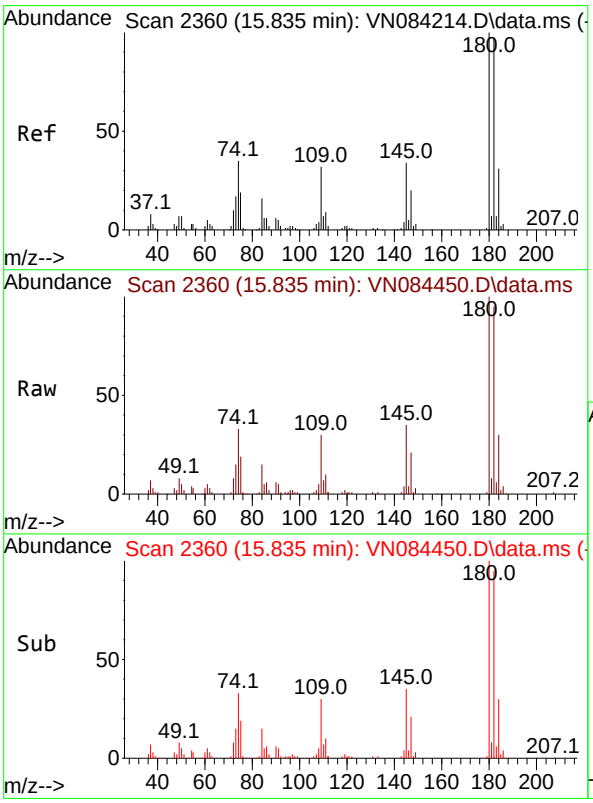
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

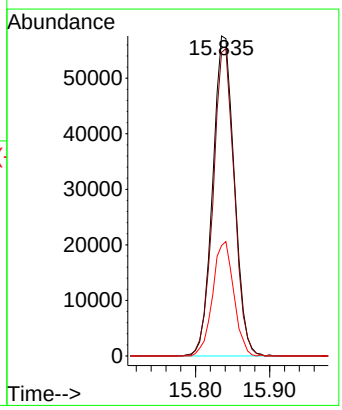
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#96
1,2,3-Trichlorobenzene
Concen: 53.319 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:180 Resp: 116662

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.2	144.6
145	34.9	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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	98	0.00
2	T	Dichlorodifluoromethane	0.591	0.478	19.1	76	0.00
3	P	Chloromethane	0.675	0.586	13.2	86	0.00
4	C	Vinyl Chloride	0.654	0.602	8.0#	88	0.00
5	T	Bromomethane	0.431	0.382	11.4	87	-0.01
6	T	Chloroethane	0.468	0.386	17.5	90	0.00
7	T	Trichlorofluoromethane	1.019	1.002	1.7	93	0.00
8	T	Diethyl Ether	0.378	0.370	2.1	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.581	0.5	96	0.00
10	T	Methyl Iodide	0.752	0.763	-1.5	93	-0.01
11	T	Tert butyl alcohol	0.122	0.105	13.9	84	0.00
12	CM	1,1-Dichloroethene	0.563	0.575	-2.1#	96	0.00
13	T	Acrolein	0.140	0.128	8.6	88	0.00
14	T	Allyl chloride	0.978	1.009	-3.2	99	0.00
15	T	Acrylonitrile	0.309	0.308	0.3	96	0.00
16	T	Acetone	0.318	0.304	4.4	87	0.00
17	T	Carbon Disulfide	1.782	1.630	8.5	93	0.00
18	T	Methyl Acetate	0.694	0.674	2.9	94	0.00
19	T	Methyl tert-butyl Ether	1.900	1.950	-2.6	94	0.00
20	T	Methylene Chloride	0.647	0.645	0.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.615	-4.2	97	0.00
22	T	Diisopropyl ether	2.022	2.042	-1.0	93	0.00
23	T	Vinyl Acetate	1.500	1.559	-3.9	93	0.00
24	P	1,1-Dichloroethane	1.131	1.157	-2.3	95	0.00
25	T	2-Butanone	0.434	0.422	2.8	91	0.00
26	T	2,2-Dichloropropane	1.020	1.043	-2.3	95	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.729	-2.2	96	0.00
28	T	Bromochloromethane	0.505	0.486	3.8	96	0.00
29	T	Tetrahydrofuran	0.268	0.251	6.3	87	0.00
30	C	Chloroform	1.175	1.210	-3.0#	99	0.00
31	T	Cyclohexane	1.098	1.000	8.9	92	0.00
32	T	1,1,1-Trichloroethane	1.055	1.084	-2.7	96	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.701	5.4	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.330	0.335	-1.5	100	0.00
36	T	1,1-Dichloropropene	0.479	0.500	-4.4	95	0.00
37	T	Ethyl Acetate	0.491	0.469	4.5	90	0.00
38	T	Carbon Tetrachloride	0.525	0.551	-5.0	97	0.00
39	T	Methylcyclohexane	0.533	0.580	-8.8	96	0.00
40	TM	Benzene	1.492	1.558	-4.4	97	0.00
41	T	Methacrylonitrile	0.267	0.275	-3.0	92	0.00
42	TM	1,2-Dichloroethane	0.506	0.521	-3.0	95	0.00
43	T	Isopropyl Acetate	0.962	0.812	15.6	87	0.00
44	TM	Trichloroethene	0.348	0.369	-6.0	98	0.00
45	C	1,2-Dichloropropane	0.353	0.380	-7.6#	97	0.00
46	T	Dibromomethane	0.238	0.263	-10.5	97	0.00
47	T	Bromodichloromethane	0.529	0.565	-6.8	98	0.00
48	T	Methyl methacrylate	0.383	0.393	-2.6	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	95	0.00
50	S	Toluene-d8	1.213	1.224	-0.9	95	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.488	-4.3	92	0.00
52	CM	Toluene	0.910	0.982	-7.9#	97	0.00
53	T	t-1,3-Dichloropropene	0.539	0.578	-7.2	94	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.629	-8.4	95	0.00
55	T	1,1,2-Trichloroethane	0.326	0.358	-9.8	99	0.00
56	T	Ethyl methacrylate	0.537	0.589	-9.7	94	0.00
57	T	1,3-Dichloropropane	0.583	0.615	-5.5	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.273	-9.6	94	0.00
59	T	2-Hexanone	0.349	0.360	-3.2	90	0.00
60	T	Dibromochloromethane	0.385	0.425	-10.4	98	0.00
61	T	1,2-Dibromoethane	0.339	0.357	-5.3	96	0.00
62	S	4-Bromofluorobenzene	0.442	0.456	-3.2	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.348	0.359	-3.2	100	0.00
65	PM	Chlorobenzene	1.109	1.161	-4.7	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.402	-5.2	99	0.00
67	C	Ethyl Benzene	1.961	2.068	-5.5#	97	0.00
68	T	m/p-Xylenes	0.725	0.790	-9.0	98	0.00
69	T	o-Xylene	0.686	0.757	-10.3	98	0.00
70	T	Styrene	1.162	1.307	-12.5	100	0.00
71	P	Bromoform	0.281	0.306	-8.9	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.815	3.937	-3.2	98	0.00
74	T	N-amyl acetate	1.728	1.653	4.3	91	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.130	1.5	98	0.00
76	T	1,2,3-Trichloropropane	1.021	0.935	8.4	85	0.00
77	T	Bromobenzene	0.920	0.939	-2.1	102	0.00
78	T	n-propylbenzene	4.421	4.740	-7.2	99	0.00
79	T	2-Chlorotoluene	2.821	2.877	-2.0	98	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.351	-7.7	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.404	5.2	92	0.00
82	T	4-Chlorotoluene	2.840	2.936	-3.4	99	0.00
83	T	tert-Butylbenzene	2.766	2.860	-3.4	97	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.388	-8.1	99	0.00
85	T	sec-Butylbenzene	3.691	4.000	-8.4	99	0.00
86	T	p-Isopropyltoluene	3.052	3.373	-10.5	99	0.00
87	T	1,3-Dichlorobenzene	1.727	1.781	-3.1	102	0.00
88	T	1,4-Dichlorobenzene	1.744	1.783	-2.2	103	0.00
89	T	n-Butylbenzene	2.768	2.926	-5.7	97	0.00
90	T	Hexachloroethane	0.620	0.614	1.0	99	0.00
91	T	1,2-Dichlorobenzene	1.693	1.708	-0.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.221	6.8	95	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.913	-9.5	100	0.00
94	T	Hexachlorobutadiene	0.416	0.413	0.7	107	0.00
95	T	Naphthalene	2.764	2.818	-2.0	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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	0.890	-6.6	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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	98	0.00
2	T	Dichlorodifluoromethane	50.000	40.436	19.1	76	0.00
3	P	Chloromethane	50.000	43.365	13.3	86	0.00
4	C	Vinyl Chloride	50.000	45.994	8.0#	88	0.00
5	T	Bromomethane	50.000	44.260	11.5	87	-0.01
6	T	Chloroethane	50.000	41.236	17.5	90	0.00
7	T	Trichlorofluoromethane	50.000	49.170	1.7	93	0.00
8	T	Diethyl Ether	50.000	48.999	2.0	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.731	0.5	96	0.00
10	T	Methyl Iodide	50.000	50.766	-1.5	93	-0.01
11	T	Tert butyl alcohol	250.000	215.618	13.8	84	0.00
12	CM	1,1-Dichloroethene	50.000	51.058	-2.1#	96	0.00
13	T	Acrolein	250.000	227.519	9.0	88	0.00
14	T	Allyl chloride	50.000	51.588	-3.2	99	0.00
15	T	Acrylonitrile	250.000	249.703	0.1	96	0.00
16	T	Acetone	250.000	238.375	4.7	87	0.00
17	T	Carbon Disulfide	50.000	45.712	8.6	93	0.00
18	T	Methyl Acetate	50.000	48.574	2.9	94	0.00
19	T	Methyl tert-butyl Ether	50.000	51.320	-2.6	94	0.00
20	T	Methylene Chloride	50.000	49.790	0.4	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.129	-4.3	97	0.00
22	T	Diisopropyl ether	50.000	50.493	-1.0	93	0.00
23	T	Vinyl Acetate	250.000	259.866	-3.9	93	0.00
24	P	1,1-Dichloroethane	50.000	51.151	-2.3	95	0.00
25	T	2-Butanone	250.000	243.024	2.8	91	0.00
26	T	2,2-Dichloropropane	50.000	51.135	-2.3	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.122	-2.2	96	0.00
28	T	Bromochloromethane	50.000	48.121	3.8	96	0.00
29	T	Tetrahydrofuran	250.000	234.864	6.1	87	0.00
30	C	Chloroform	50.000	51.493	-3.0#	99	0.00
31	T	Cyclohexane	50.000	45.545	8.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	51.361	-2.7	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.289	5.4	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	50.860	-1.7	100	0.00
36	T	1,1-Dichloropropene	50.000	52.238	-4.5	95	0.00
37	T	Ethyl Acetate	50.000	47.758	4.5	90	0.00
38	T	Carbon Tetrachloride	50.000	52.474	-4.9	97	0.00
39	T	Methylcyclohexane	50.000	54.374	-8.7	96	0.00
40	TM	Benzene	50.000	52.231	-4.5	97	0.00
41	T	Methacrylonitrile	50.000	51.594	-3.2	92	0.00
42	TM	1,2-Dichloroethane	50.000	51.507	-3.0	95	0.00
43	T	Isopropyl Acetate	50.000	42.196	15.6	87	0.00
44	TM	Trichloroethene	50.000	52.965	-5.9	98	0.00
45	C	1,2-Dichloropropane	50.000	53.771	-7.5#	97	0.00
46	T	Dibromomethane	50.000	55.158	-10.3	97	0.00
47	T	Bromodichloromethane	50.000	53.365	-6.7	98	0.00
48	T	Methyl methacrylate	50.000	51.341	-2.7	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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	1021.535	-2.2	95	0.00
50	S	Toluene-d8	50.000	50.468	-0.9	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	260.776	-4.3	92	0.00
52	CM	Toluene	50.000	53.965	-7.9#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	53.570	-7.1	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.216	-8.4	95	0.00
55	T	1,1,2-Trichloroethane	50.000	54.918	-9.8	99	0.00
56	T	Ethyl methacrylate	50.000	54.855	-9.7	94	0.00
57	T	1,3-Dichloropropane	50.000	52.807	-5.6	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.020	-9.6	94	0.00
59	T	2-Hexanone	250.000	257.349	-2.9	90	0.00
60	T	Dibromochloromethane	50.000	55.202	-10.4	98	0.00
61	T	1,2-Dibromoethane	50.000	52.700	-5.4	96	0.00
62	S	4-Bromofluorobenzene	50.000	51.620	-3.2	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	51.605	-3.2	100	0.00
65	PM	Chlorobenzene	50.000	52.353	-4.7	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.606	-5.2	99	0.00
67	C	Ethyl Benzene	50.000	52.745	-5.5#	97	0.00
68	T	m/p-Xylenes	100.000	108.934	-8.9	98	0.00
69	T	o-Xylene	50.000	55.153	-10.3	98	0.00
70	T	Styrene	50.000	56.245	-12.5	100	0.00
71	P	Bromoform	50.000	54.380	-8.8	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.598	-3.2	98	0.00
74	T	N-amyl acetate	50.000	47.839	4.3	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.254	1.5	98	0.00
76	T	1,2,3-Trichloropropane	50.000	45.781	8.4	85	0.00
77	T	Bromobenzene	50.000	51.012	-2.0	102	0.00
78	T	n-propylbenzene	50.000	53.618	-7.2	99	0.00
79	T	2-Chlorotoluene	50.000	50.998	-2.0	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.830	-7.7	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.495	5.0	92	0.00
82	T	4-Chlorotoluene	50.000	51.701	-3.4	99	0.00
83	T	tert-Butylbenzene	50.000	51.702	-3.4	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.030	-8.1	99	0.00
85	T	sec-Butylbenzene	50.000	54.176	-8.4	99	0.00
86	T	p-Isopropyltoluene	50.000	55.249	-10.5	99	0.00
87	T	1,3-Dichlorobenzene	50.000	51.592	-3.2	102	0.00
88	T	1,4-Dichlorobenzene	50.000	51.140	-2.3	103	0.00
89	T	n-Butylbenzene	50.000	52.864	-5.7	97	0.00
90	T	Hexachloroethane	50.000	49.520	1.0	99	0.00
91	T	1,2-Dichlorobenzene	50.000	50.456	-0.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.726	6.5	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.732	-9.5	100	0.00
94	T	Hexachlorobutadiene	50.000	49.655	0.7	107	0.00
95	T	Naphthalene	50.000	50.976	-2.0	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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	53.319	-6.6	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4475 SAS No.: P4475 SDG No.: P4475

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 19:10

Lab File ID: VN084464.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	0.600	0.1	-11.11	50
Vinyl Chloride	0.654	0.610		-6.73	50
Bromomethane	0.431	0.368		-14.62	50
Chloroethane	0.468	0.401		-14.32	50
Trichlorofluoromethane	1.019	1.030		1.08	50
1,1,2-Trichlorotrifluoroethane	0.584	0.590		1.03	50
1,1-Dichloroethene	0.563	0.581		3.2	50
Acetone	0.318	0.265		-16.67	50
Carbon Disulfide	1.782	1.625		-8.81	50
Methyl tert-butyl Ether	1.900	1.968		3.58	50
Methylene Chloride	0.647	0.678		4.79	50
trans-1,2-Dichloroethene	0.590	0.615		4.24	50
1,1-Dichloroethane	1.131	1.199	0.1	6.01	50
2-Butanone	0.434	0.421		-2.99	50
Carbon Tetrachloride	0.525	0.554		5.52	50
cis-1,2-Dichloroethene	0.713	0.748		4.91	50
Chloroform	1.175	1.260		7.23	50
1,1,1-Trichloroethane	1.055	1.120		6.16	50
Methylcyclohexane	0.533	0.546		2.44	50
Benzene	1.492	1.588		6.43	50
1,2-Dichloroethane	0.506	0.538		6.32	50
Trichloroethene	0.348	0.360		3.45	50
1,2-Dichloropropane	0.353	0.386		9.35	50
Bromodichloromethane	0.529	0.584		10.4	50
4-Methyl-2-Pentanone	0.468	0.515		10.04	50
Toluene	0.910	1.002		10.11	50
t-1,3-Dichloropropene	0.539	0.580		7.61	50
cis-1,3-Dichloropropene	0.580	0.632		8.97	50
1,1,2-Trichloroethane	0.326	0.365		11.96	50
2-Hexanone	0.349	0.380		8.88	50
Dibromochloromethane	0.385	0.436		13.25	50
Tetrachloroethene	0.348	0.357		2.59	50
Chlorobenzene	1.109	1.168	0.3	5.32	50
Ethyl Benzene	1.961	2.096		6.88	50
m/p-Xylenes	0.725	0.809		11.59	50
o-Xylene	0.686	0.772		12.54	50
Styrene	1.162	1.331		14.54	50
Bromoform	0.281	0.323	0.1	14.95	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.: P4475 SAS No.: P4475 SDG No.: P4475

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 19:10

Lab File ID: VN084464.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	3.895		2.1	50
1,1,2,2-Tetrachloroethane	1.147	1.175	0.3	2.44	50
1,3-Dichlorobenzene	1.727	1.769		2.43	50
1,4-Dichlorobenzene	1.744	1.749		0.29	50
1,2-Dichlorobenzene	1.693	1.724		1.83	50
1,2-Dichloroethane-d4	0.741	0.738		-0.41	50
Dibromofluoromethane	0.330	0.346		4.85	50
Toluene-d8	1.213	1.258		3.71	50
4-Bromofluorobenzene	0.442	0.470		6.34	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\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121314	49.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.600%			
35) Dibromofluoromethane	8.165	113	98194	52.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	10.565	98	356709	51.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	133216	53.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	78025	40.150	ug/l	97
3) Chloromethane	2.360	50	98644	44.455	ug/l	97
4) Vinyl Chloride	2.512	62	100282	46.656	ug/l	99
5) Bromomethane	2.936	94	60529	42.694	ug/l	96
6) Chloroethane	3.107	64	65942	42.838	ug/l	96
7) Trichlorofluoromethane	3.495	101	169232	50.562	ug/l	98
8) Diethyl Ether	3.959	74	62844	50.626	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	96973	50.565	ug/l	100
10) Methyl Iodide	4.589	142	125719	50.904	ug/l	94
11) Tert butyl alcohol	5.530	59	89149	221.946	ug/l	99
12) 1,1-Dichloroethene	4.342	96	95402	51.573	ug/l	95
13) Acrolein	4.183	56	103638	224.751	ug/l	100
14) Allyl chloride	5.024	41	148364	46.181	ug/l	99
15) Acrylonitrile	5.718	53	266330	262.567	ug/l	99
16) Acetone	4.430	43	218038	208.362	ug/l	100
17) Carbon Disulfide	4.712	76	266930	45.577	ug/l	99
18) Methyl Acetate	5.030	43	117821	51.658	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323323	51.785	ug/l	99
20) Methylene Chloride	5.277	84	111451	52.394	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	101076	52.154	ug/l	96
22) Diisopropyl ether	6.677	45	347126	52.237	ug/l	99
23) Vinyl Acetate	6.606	43	1307522	265.286	ug/l	100
24) 1,1-Dichloroethane	6.565	63	197001	53.012	ug/l	98
25) 2-Butanone	7.489	43	346199	242.901	ug/l	100
26) 2,2-Dichloropropane	7.489	77	154700	46.170	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	122830	52.449	ug/l	96
28) Bromochloromethane	7.812	49	80419	48.502	ug/l	98
29) Tetrahydrofuran	7.836	42	229263	260.658	ug/l	98
30) Chloroform	7.965	83	206986	53.621	ug/l	98
31) Cyclohexane	8.253	56	175264	48.574	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	183943	53.058	ug/l	99
36) 1,1-Dichloropropene	8.371	75	141201	52.000	ug/l	100
37) Ethyl Acetate	7.559	43	142788	51.256	ug/l	99
38) Carbon Tetrachloride	8.359	117	157033	52.719	ug/l	100
39) Methylcyclohexane	9.600	83	154691	51.186	ug/l	100
40) Benzene	8.606	78	450399	53.237	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78582	51.960	ug/l		98
42) 1,2-Dichloroethane	8.671	62	152659	53.226	ug/l		99
43) Isopropyl Acetate	8.689	43	262069	48.029	ug/l		98
44) Trichloroethene	9.353	130	102007	51.623	ug/l		98
45) 1,2-Dichloropropane	9.618	63	109365	54.645	ug/l		96
46) Dibromomethane	9.706	93	76963	56.984	ug/l		97
47) Bromodichloromethane	9.888	83	165685	55.217	ug/l		96
48) Methyl methacrylate	9.683	41	115046	52.966	ug/l		98
49) 1,4-Dioxane	9.694	88	42320	1058.308	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	730055	275.291	ug/l		99
52) Toluene	10.630	92	284031	55.055	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	164344	53.730	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	179083	54.433	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	103486	55.954	ug/l		97
56) Ethyl methacrylate	10.871	69	171724	56.428	ug/l		98
57) 1,3-Dichloropropane	11.165	76	179794	54.404	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	356176	252.296	ug/l		97
59) 2-Hexanone	11.194	43	538548	271.707	ug/l		99
60) Dibromochloromethane	11.359	129	123673	56.595	ug/l		99
61) 1,2-Dibromoethane	11.471	107	105278	54.782	ug/l		99
64) Tetrachloroethene	11.106	164	91732	51.295	ug/l		96
65) Chlorobenzene	11.888	112	299927	52.686	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	106419	54.273	ug/l		98
67) Ethyl Benzene	11.965	91	538187	53.458	ug/l		98
68) m/p-Xylenes	12.071	106	415651	111.613	ug/l		99
69) o-Xylene	12.400	106	198143	56.237	ug/l		99
70) Styrene	12.412	104	341693	57.255	ug/l		98
71) Bromoform	12.576	173	82837	57.382	ug/l	#	100
73) Isopropylbenzene	12.694	105	505467	51.046	ug/l		100
74) N-amyl acetate	12.494	43	220493	49.173	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152487	51.213	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	125969m	47.550	ug/l		
77) Bromobenzene	12.976	156	122511	51.291	ug/l		95
78) n-propylbenzene	13.035	91	599366	52.243	ug/l		99
79) 2-Chlorotoluene	13.124	91	367237	50.163	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	433774	53.702	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51372	46.491	ug/l		98
82) 4-Chlorotoluene	13.218	91	374840	50.863	ug/l		98
83) tert-Butylbenzene	13.435	119	365550	50.918	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	439968	54.070	ug/l		99
85) sec-Butylbenzene	13.618	105	504290	52.640	ug/l		99
86) p-Isopropyltoluene	13.729	119	421808	53.246	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229520	51.222	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	226918	50.147	ug/l		98
89) n-Butylbenzene	14.053	91	357432	49.759	ug/l		99
90) Hexachloroethane	14.335	117	77686	48.312	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223667	50.906	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	29542	48.080	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	105936	48.951	ug/l		100
94) Hexachlorobutadiene	15.500	225	48172	44.635	ug/l		99
95) Naphthalene	15.641	128	348005	48.506	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	105176	48.551	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

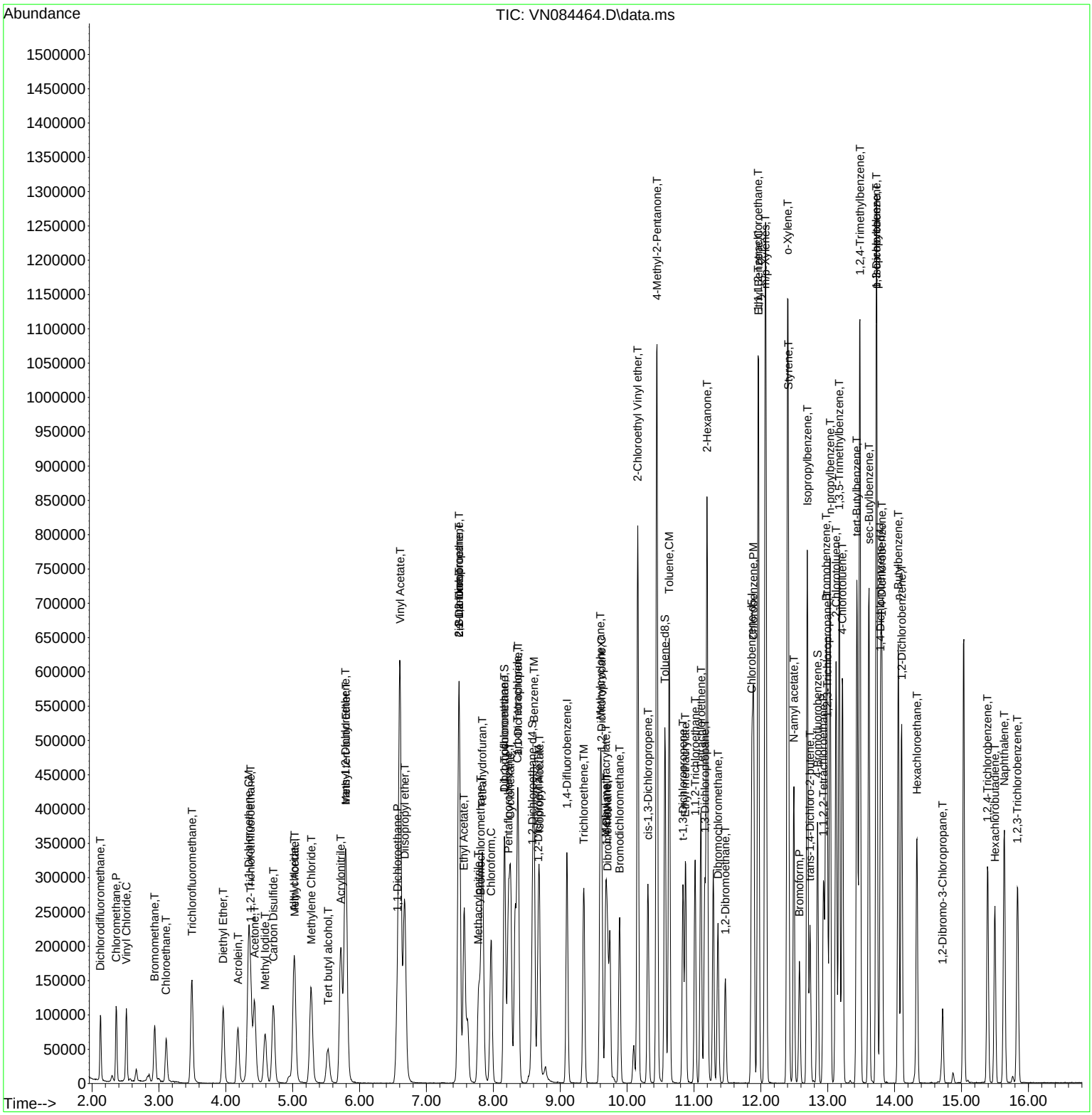
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Data File : VN084464.D
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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

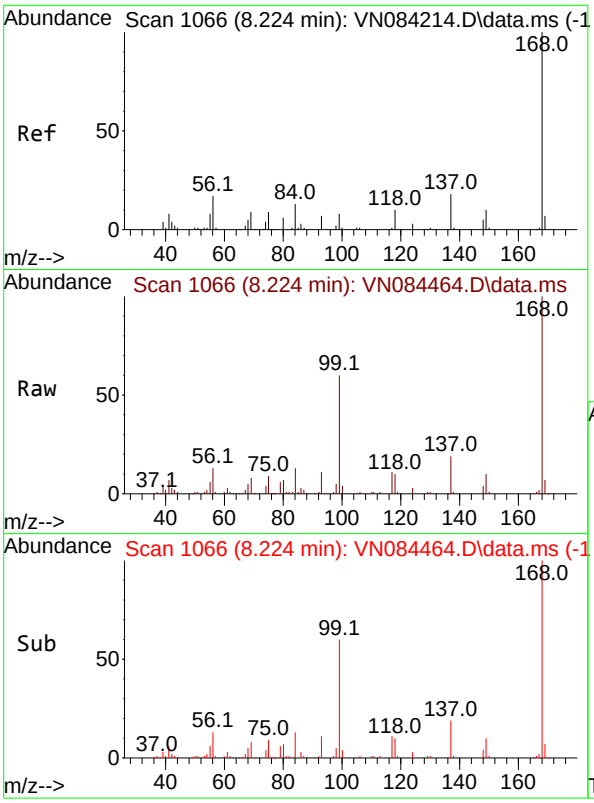
Quant Time: Oct 23 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

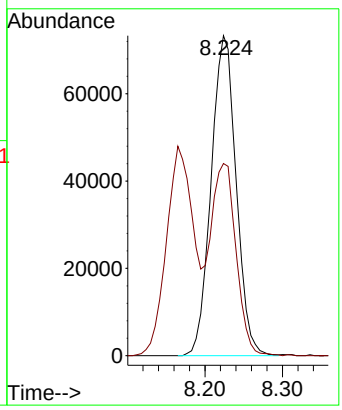




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:168 Resp: 16429

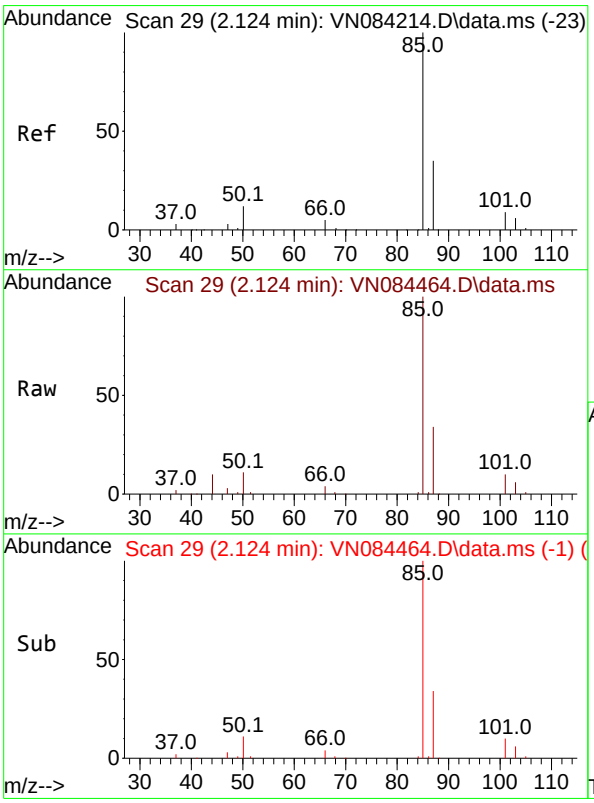
Ion	Ratio	Lower	Upper
168	100		
99	59.8	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

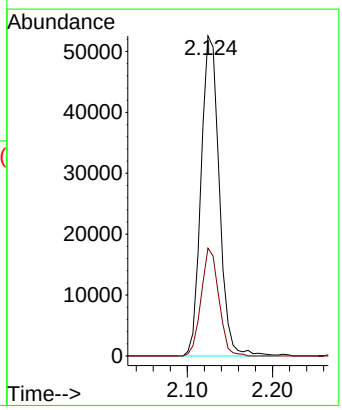
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

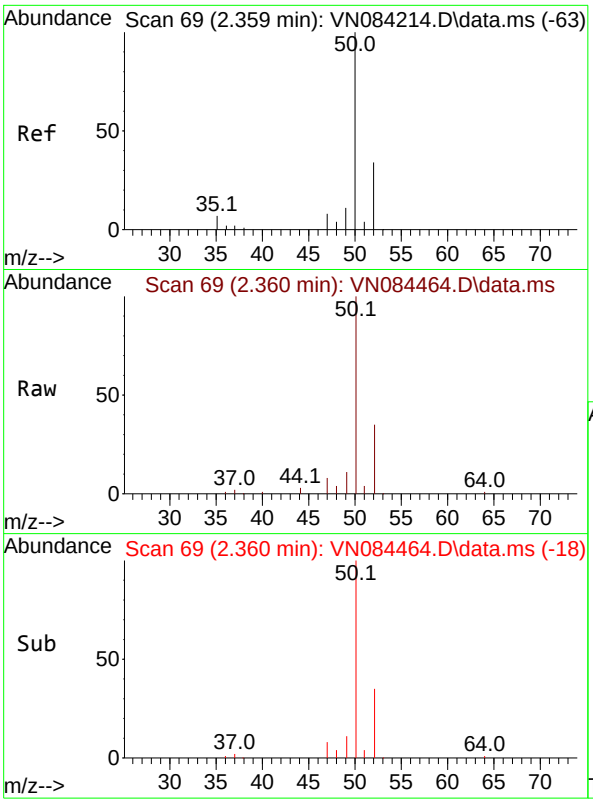


#2
Dichlorodifluoromethane
Concen: 40.150 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 85 Resp: 78025

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.6	52.9

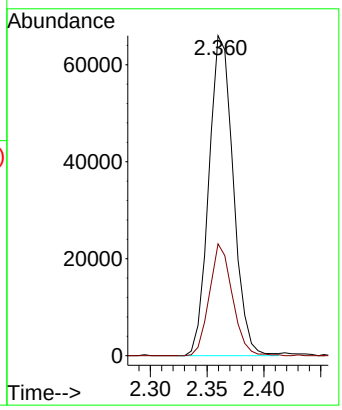




#3
Chloromethane
Concen: 44.455 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 50 Resp: 9864

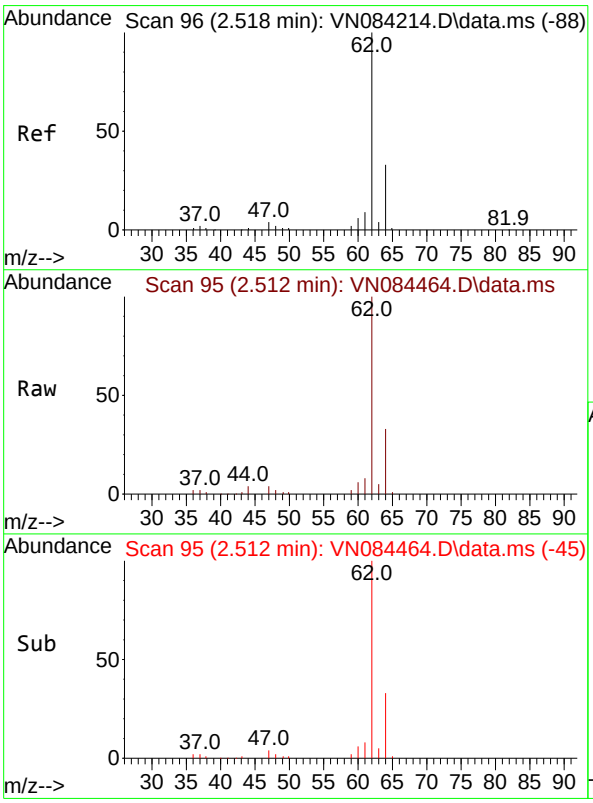
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

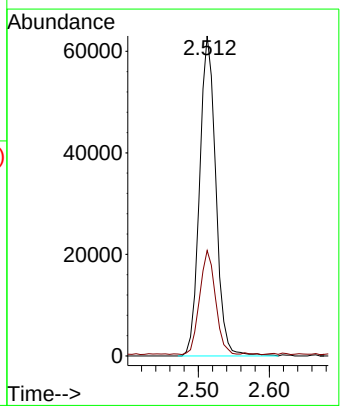
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

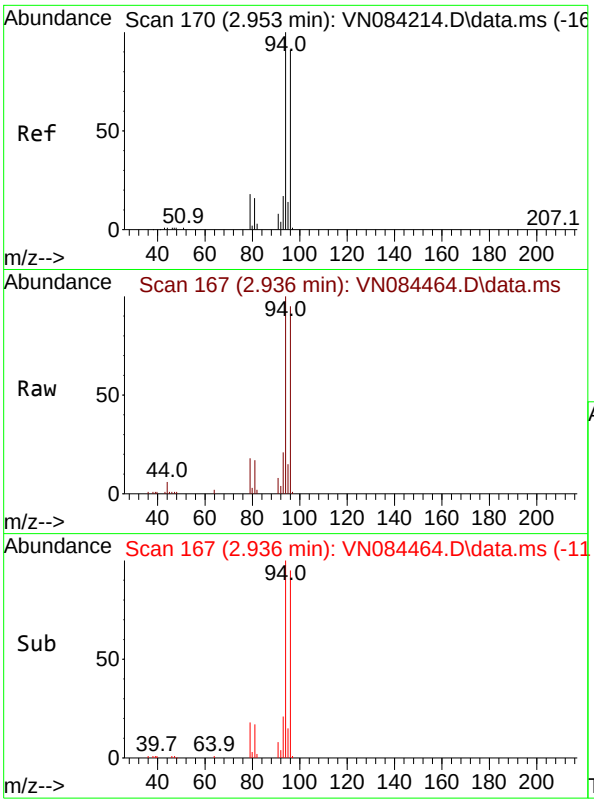


#4
Vinyl Chloride
Concen: 46.656 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 62 Resp: 100282

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.2	39.4

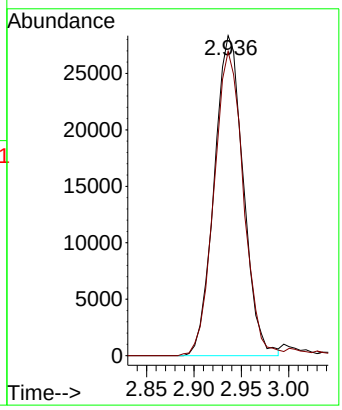




#5
Bromomethane
Concen: 42.694 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 94 Resp: 6052

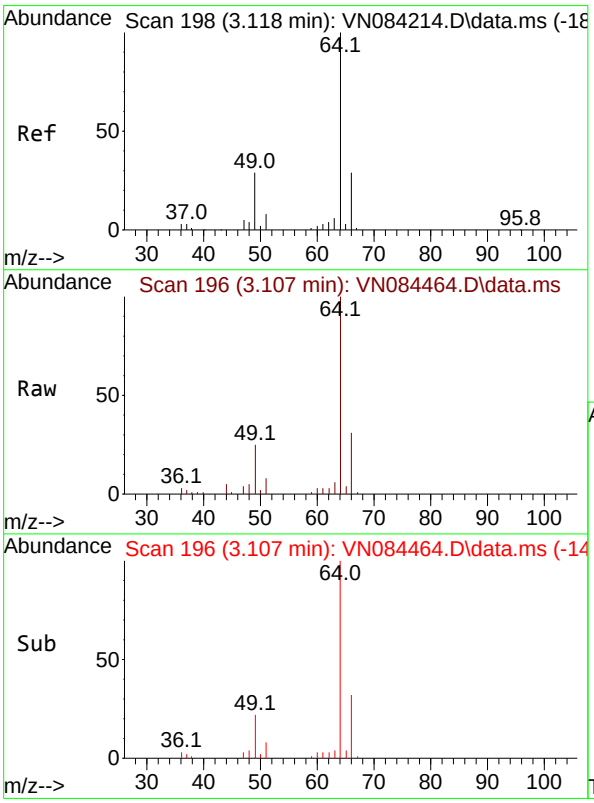
Ion	Ratio	Lower	Upper
94	100		
96	95.0	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

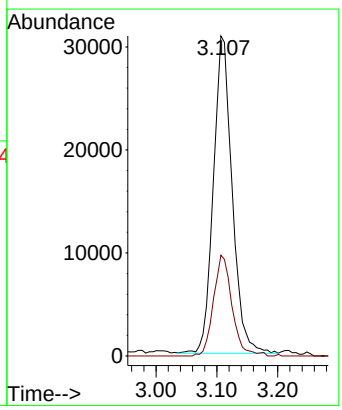
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

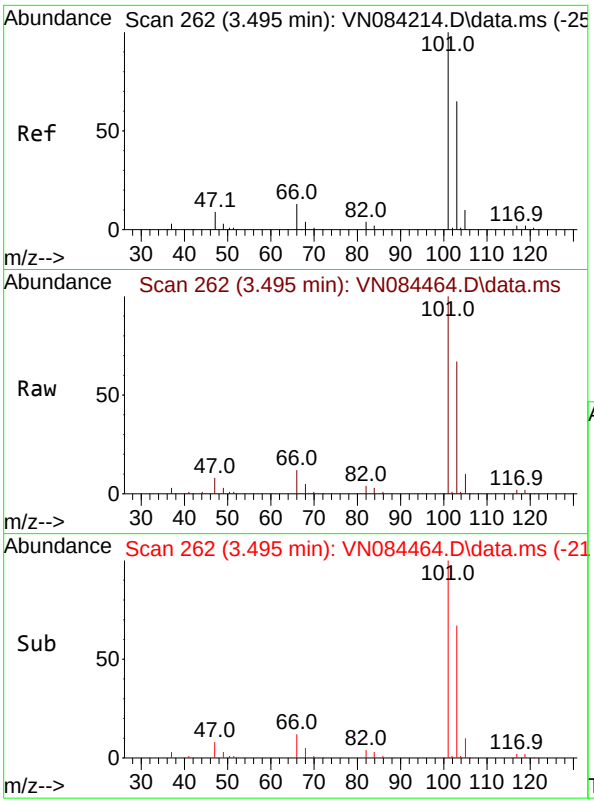


#6
Chloroethane
Concen: 42.838 ug/l
RT: 3.107 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 64 Resp: 65942

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.5	35.3





#7
Trichlorofluoromethane
Concen: 50.562 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

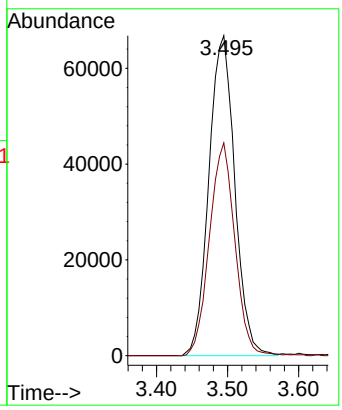
Tgt Ion:101 Resp: 16923

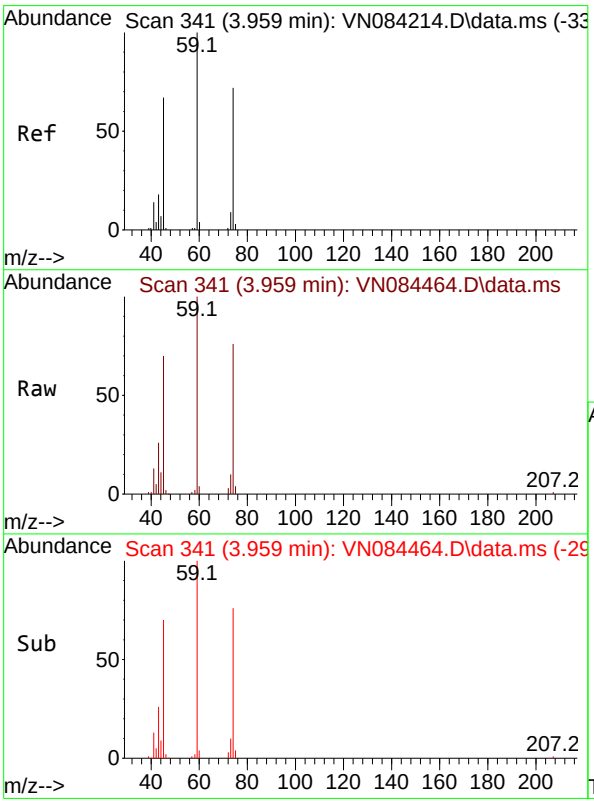
Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

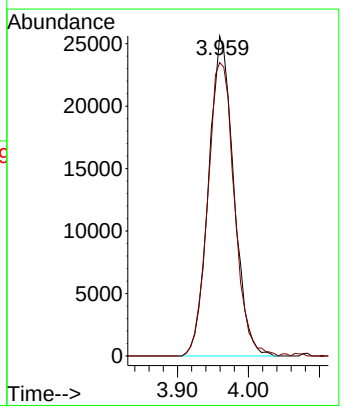


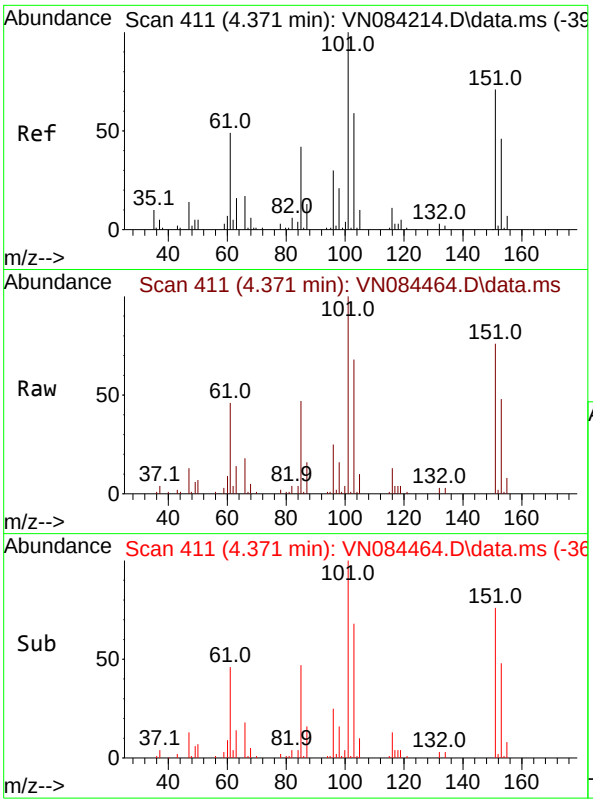


#8
Diethyl Ether
Concen: 50.626 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 74 Resp: 62844

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1

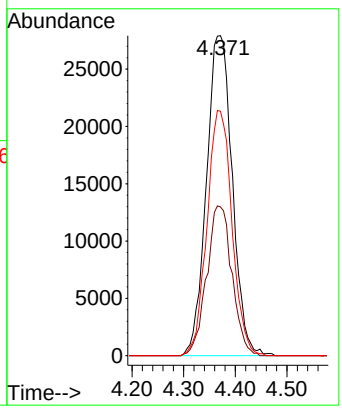




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.565 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:101 Resp: 9697

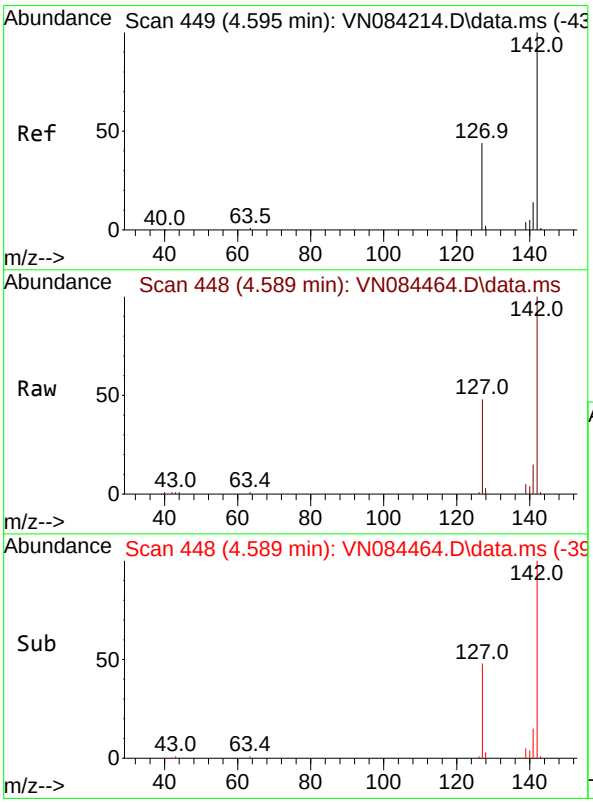
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	74.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

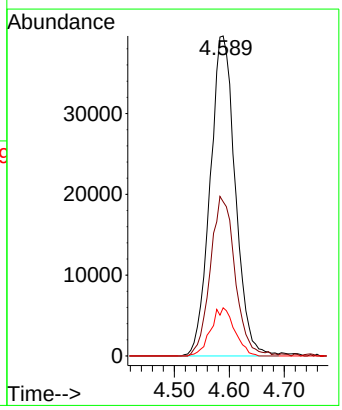
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

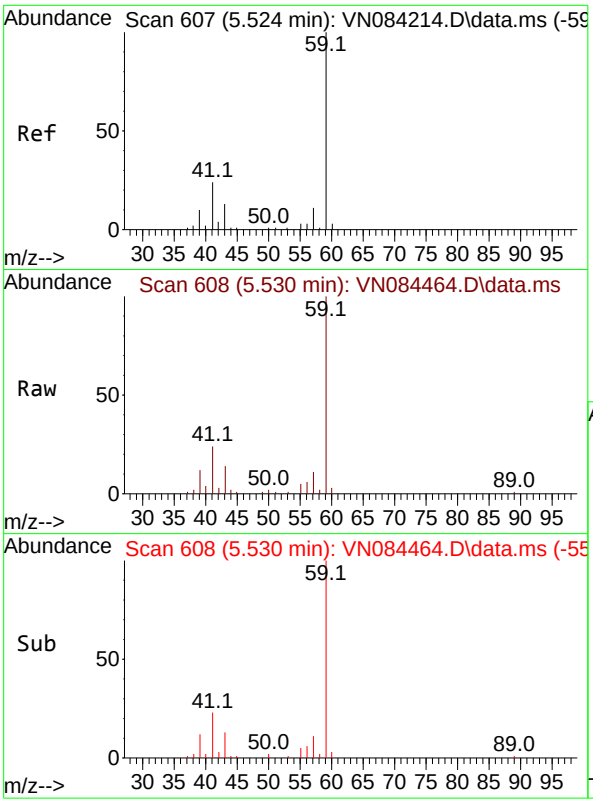


#10
Methyl Iodide
Concen: 50.904 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:142 Resp: 125719

Ion	Ratio	Lower	Upper
142	100		
127	48.2	35.3	52.9
141	15.1	11.0	16.6

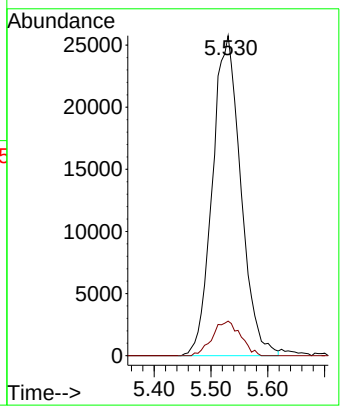




#11
Tert butyl alcohol
Concen: 221.946 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 59 Resp: 8914

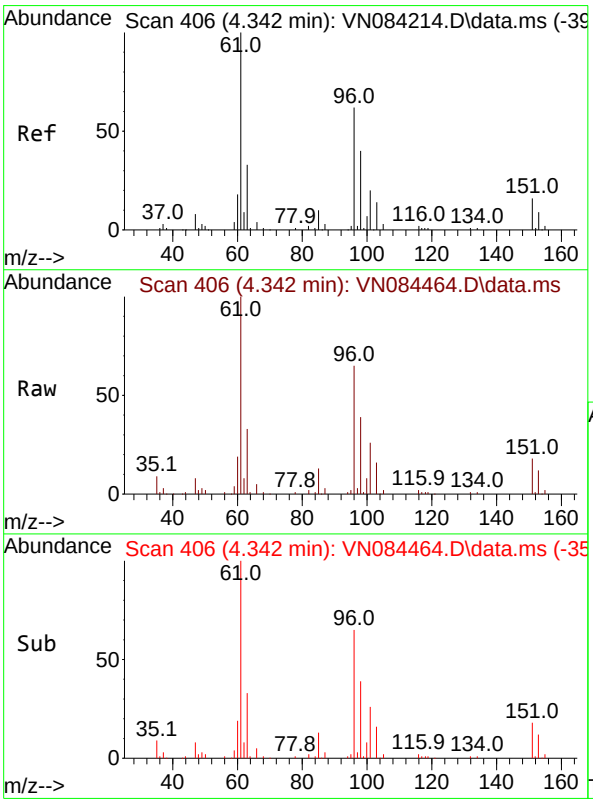
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

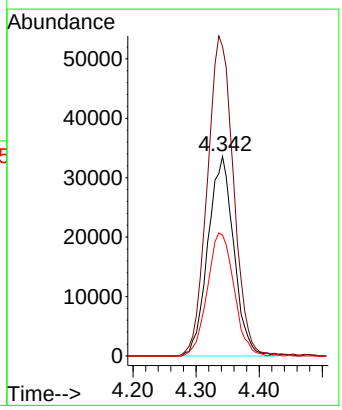
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

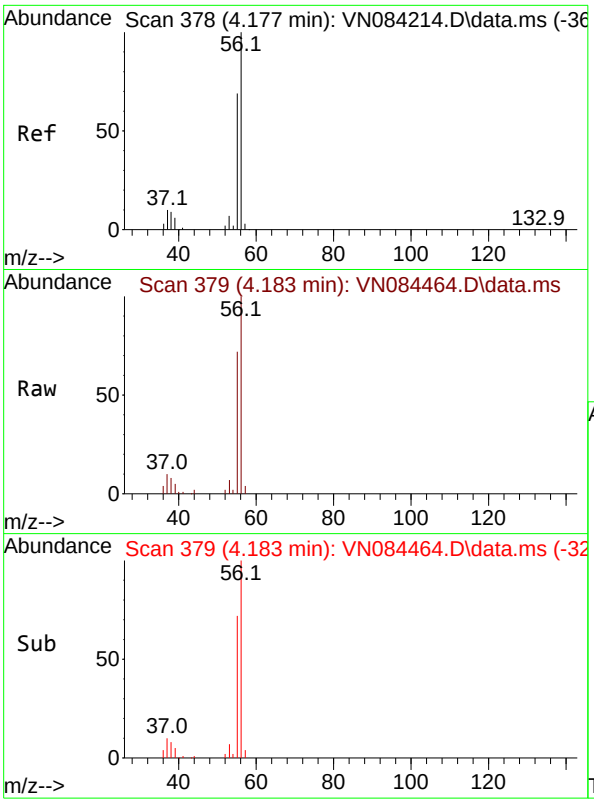


#12
1,1-Dichloroethene
Concen: 51.573 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 96 Resp: 95402

Ion	Ratio	Lower	Upper
96	100		
61	155.0	128.6	192.8
98	60.5	51.7	77.5

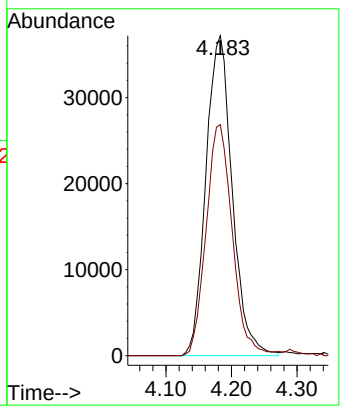




#13
Acrolein
Concen: 224.751 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 56 Resp: 10363

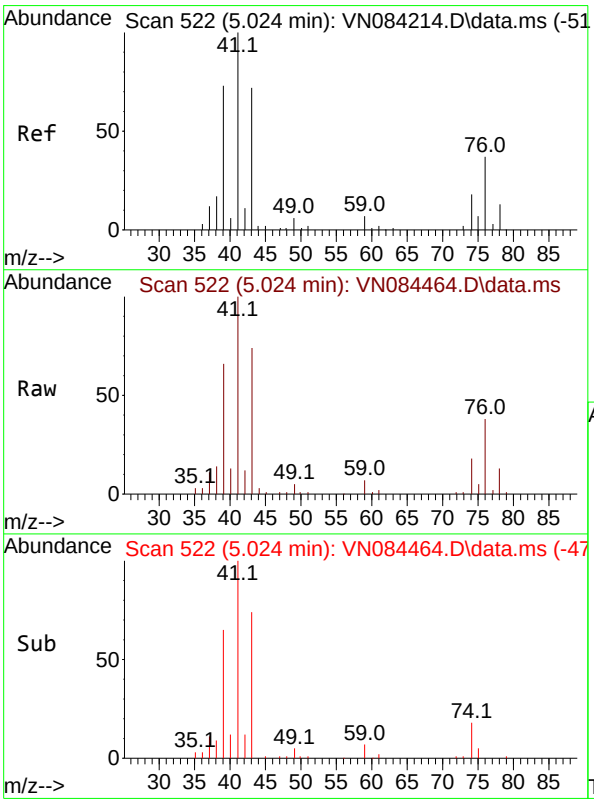
Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

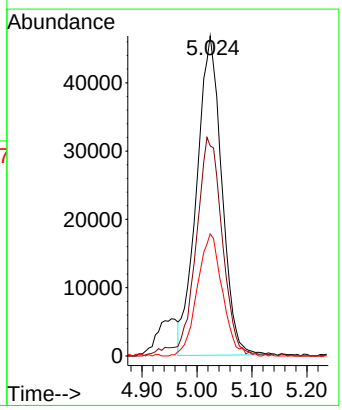
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

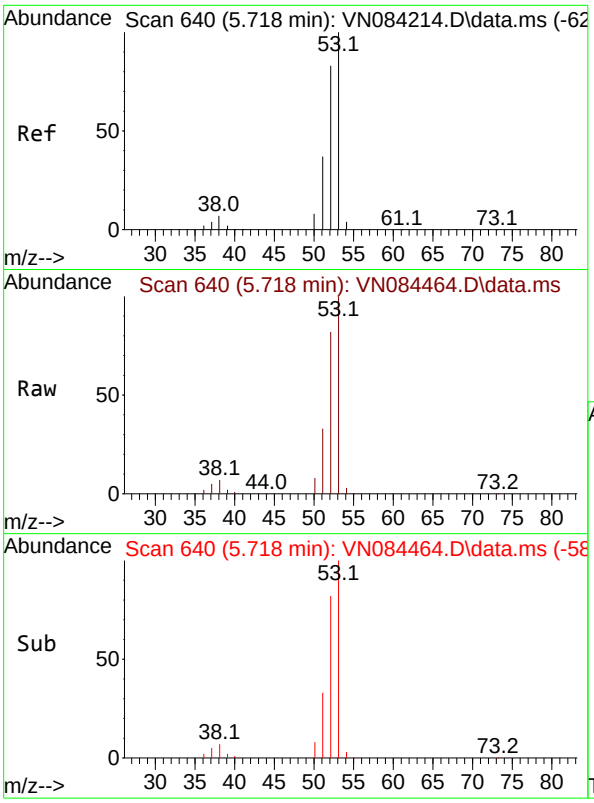


#14
Allyl chloride
Concen: 46.181 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 41 Resp: 148364

Ion	Ratio	Lower	Upper
41	100		
39	72.7	59.0	88.6
76	38.3	29.8	44.6

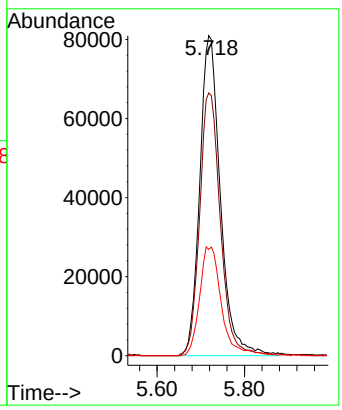




#15
Acrylonitrile
Concen: 262.567 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 53 Resp: 26633

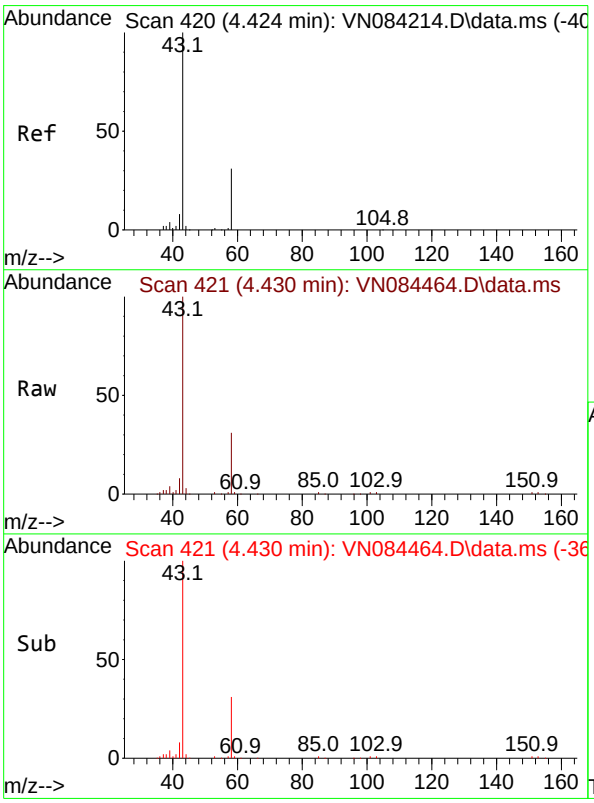
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

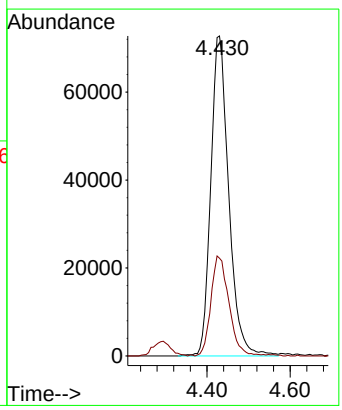
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

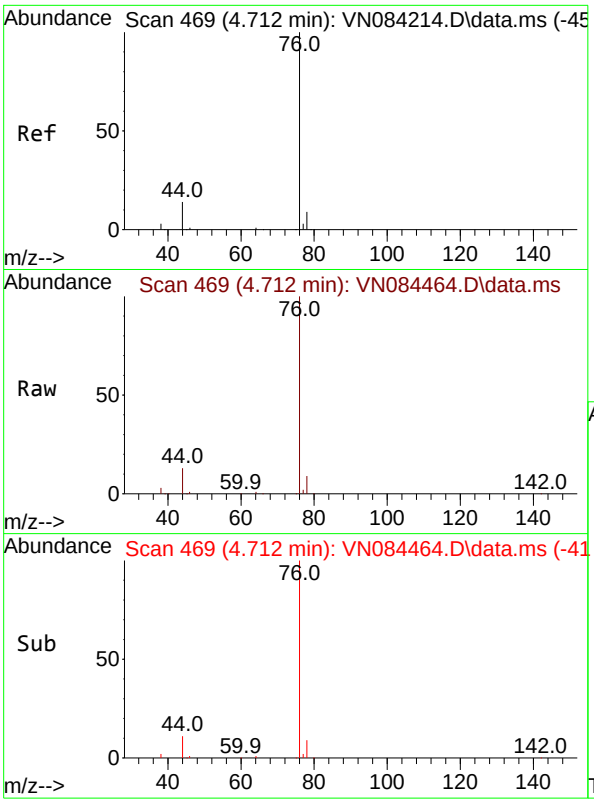


#16
Acetone
Concen: 208.362 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 218038

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.4	36.6

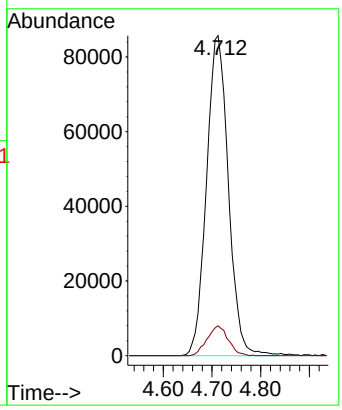




#17
Carbon Disulfide
Concen: 45.577 ug/l
RT: 4.712 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 76 Resp: 26693(

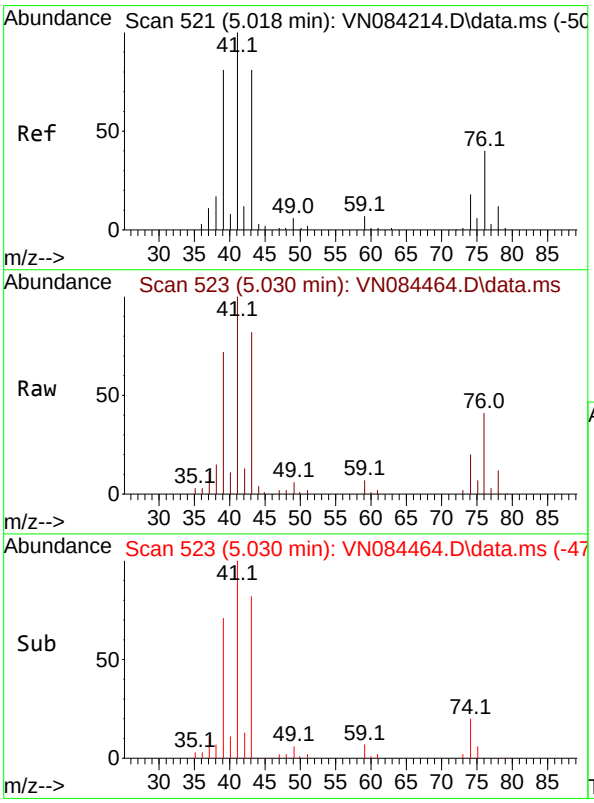
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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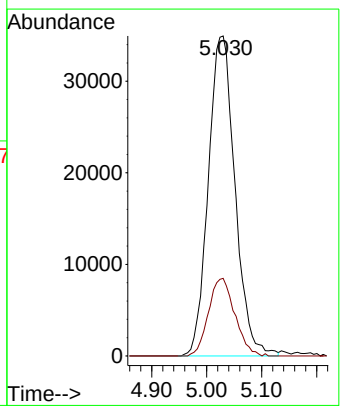
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

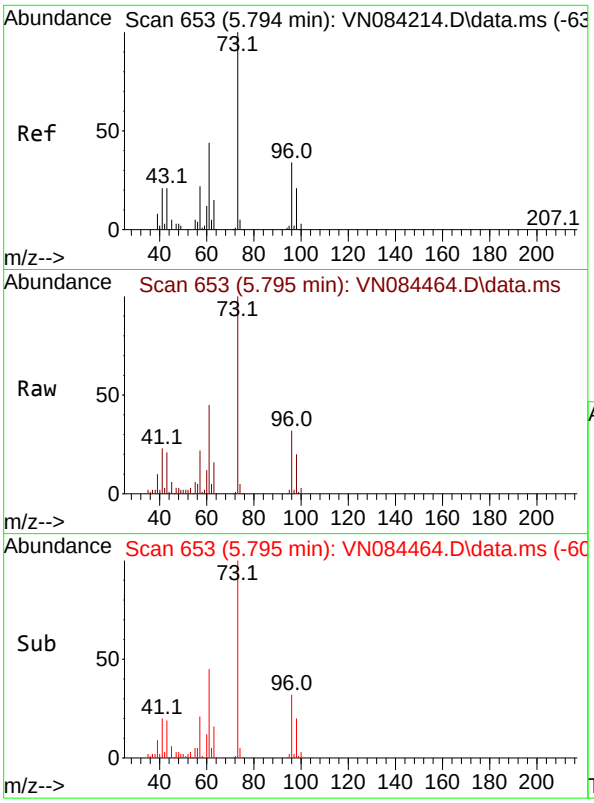


#18
Methyl Acetate
Concen: 51.658 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 117821

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





#19
Methyl tert-butyl Ether
Concen: 51.785 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

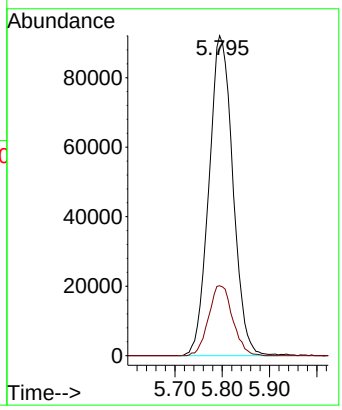
Tgt Ion: 73 Resp: 32332

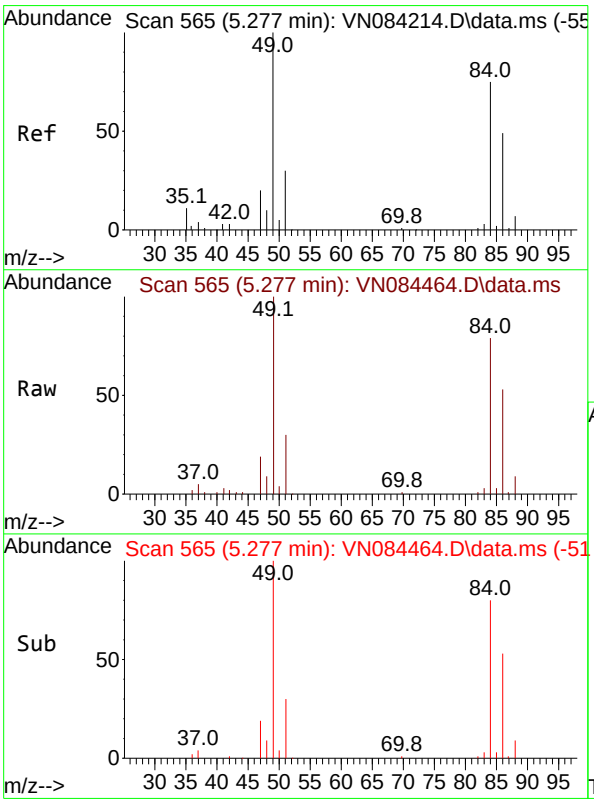
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

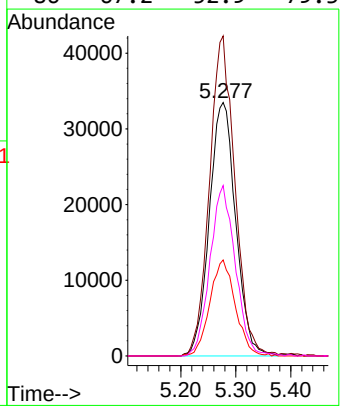


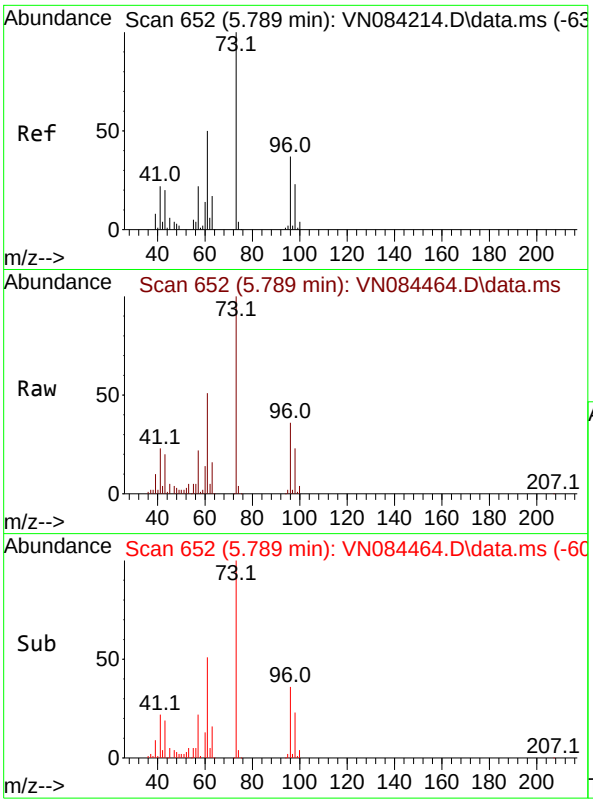


#20
Methylene Chloride
Concen: 52.394 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 84 Resp: 111451

Ion	Ratio	Lower	Upper
84	100		
49	126.3	107.2	160.8
51	37.9	31.8	47.8
86	67.2	52.9	79.3

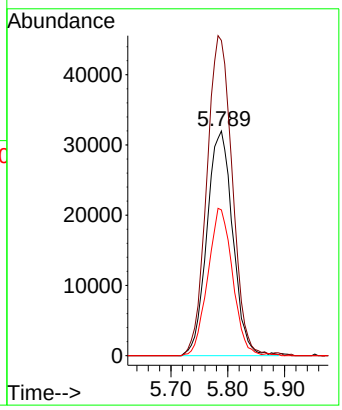




#21
trans-1,2-Dichloroethene
Concen: 52.154 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 96 Resp: 10107

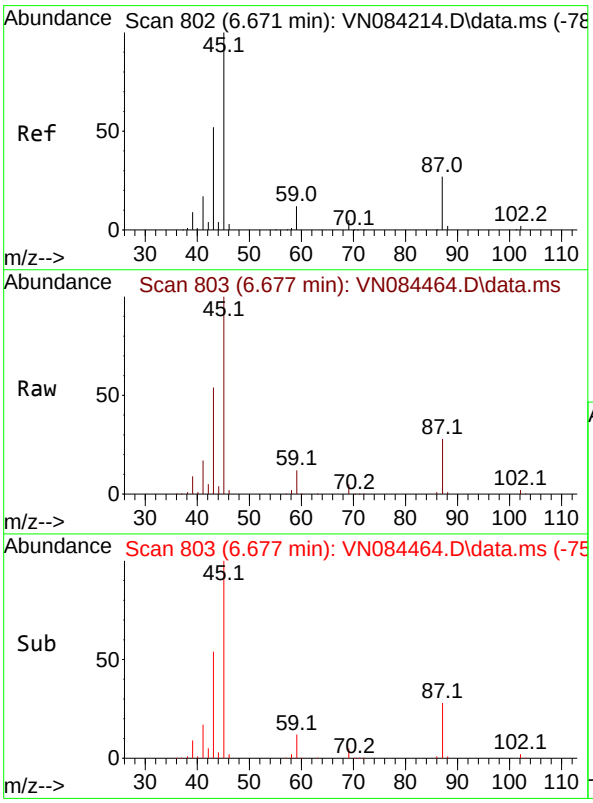
Ion	Ratio	Lower	Upper
96	100		
61	140.3	108.4	162.6
98	64.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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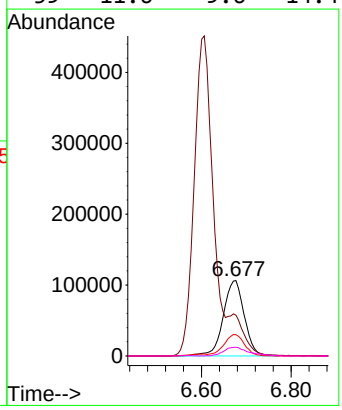
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

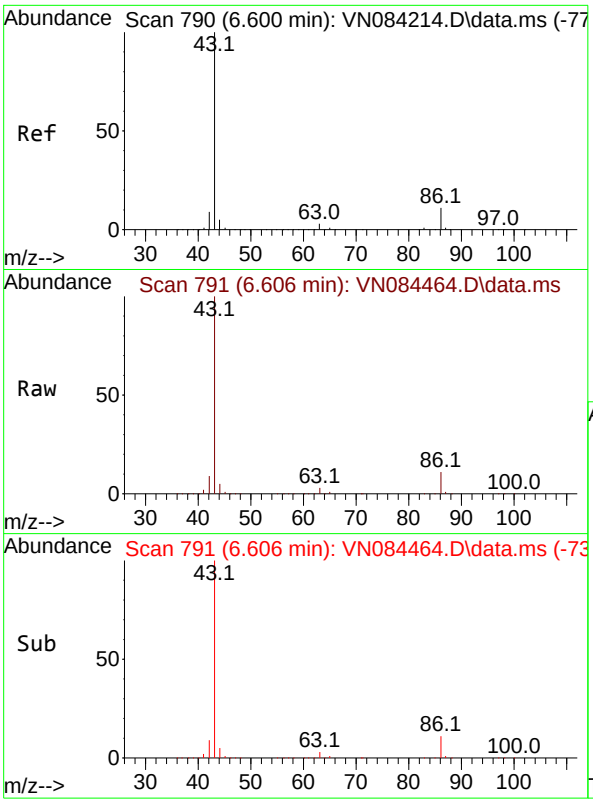


#22
Diisopropyl ether
Concen: 52.237 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 45 Resp: 347126

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.3	63.5
87	28.3	21.8	32.6
59	11.6	9.6	14.4

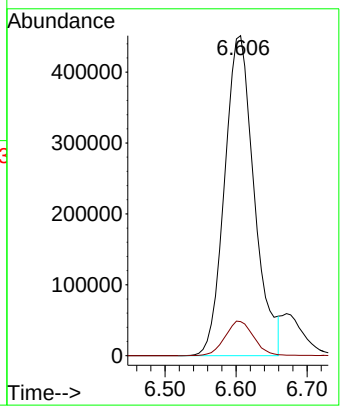




#23
Vinyl Acetate
Concen: 265.286 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 130752

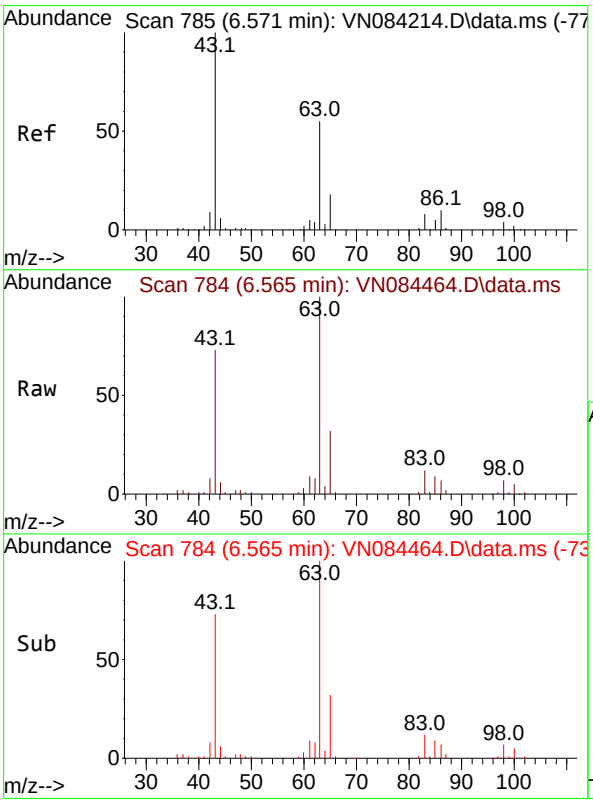
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

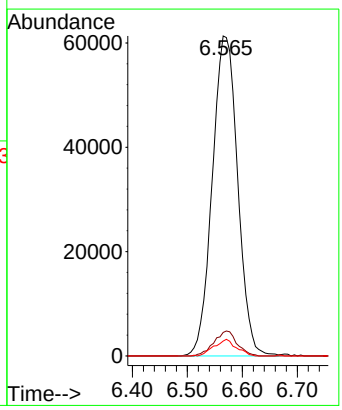
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

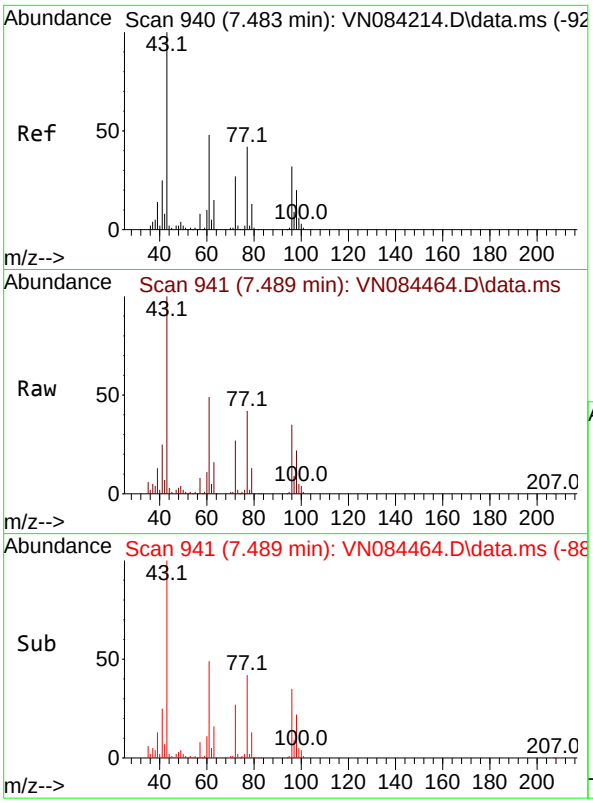


#24
1,1-Dichloroethane
Concen: 53.012 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 63 Resp: 197001

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.7	2.0	5.8





#25
2-Butanone
Concen: 242.901 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

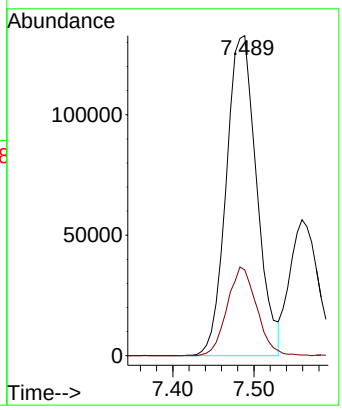
Tgt Ion: 43 Resp: 346199

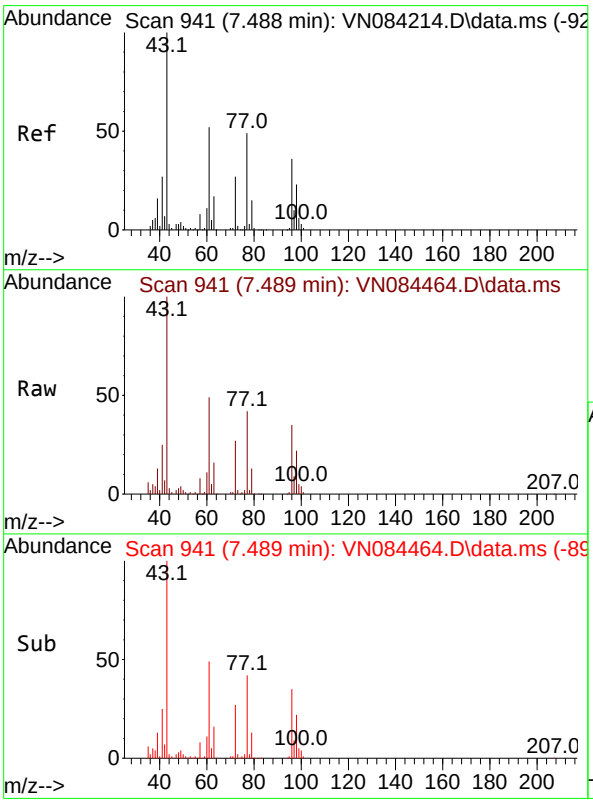
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

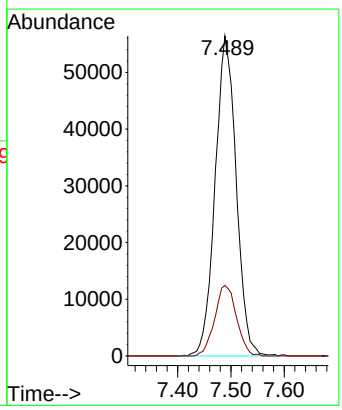


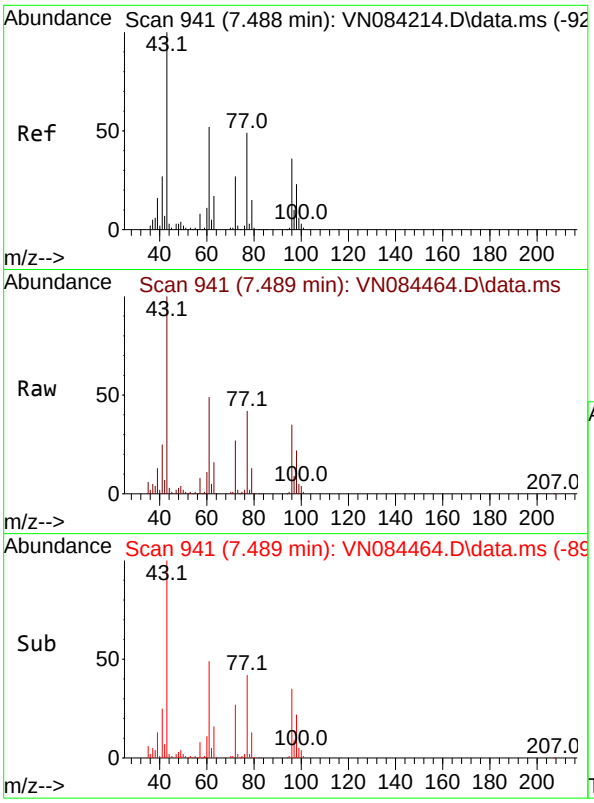


#26
2,2-Dichloropropane
Concen: 46.170 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 77 Resp: 154700

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 52.449 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

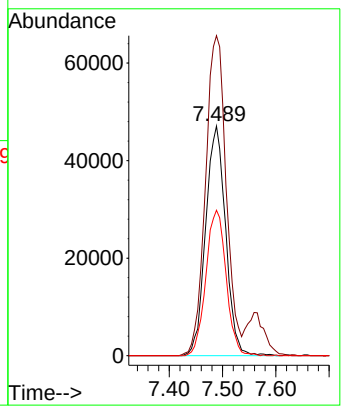
Tgt Ion: 96 Resp: 12283

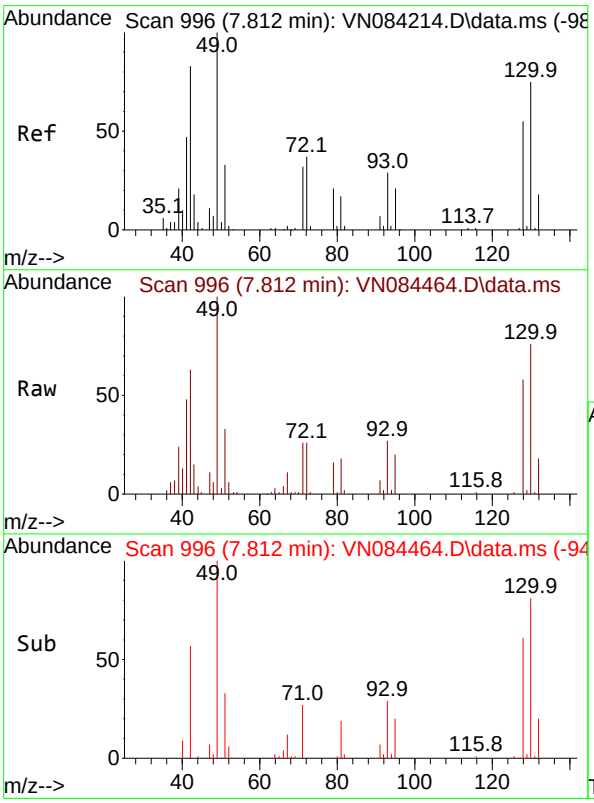
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	301.8
98	64.3	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

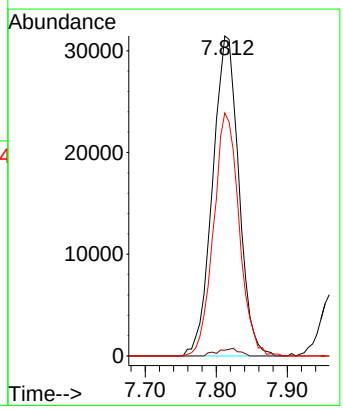


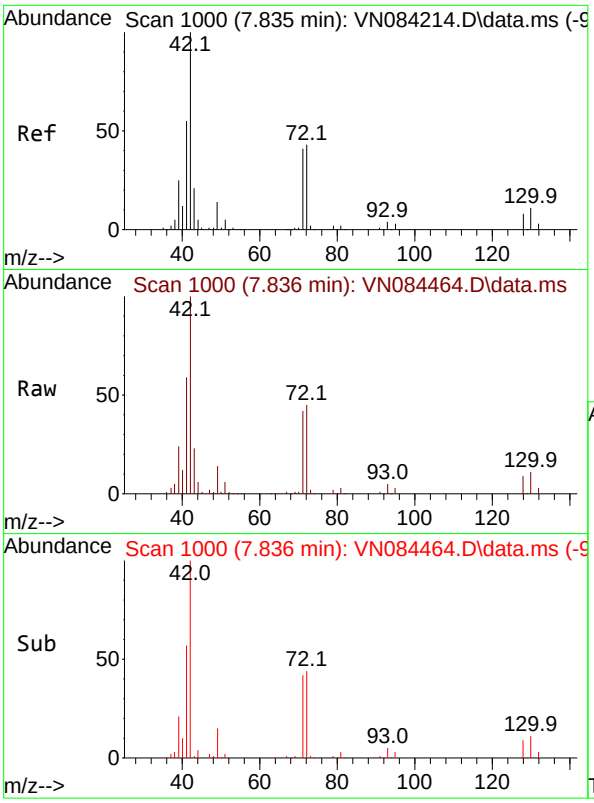


#28
Bromochloromethane
Concen: 48.502 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 49 Resp: 80419

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	74.2	58.0	87.0

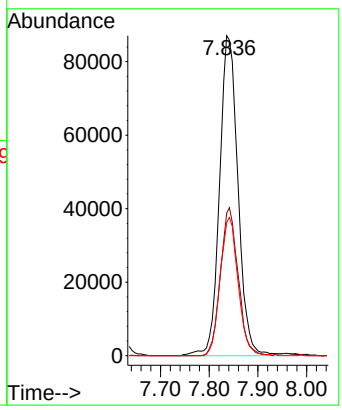




#29
Tetrahydrofuran
Concen: 260.658 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 42 Resp: 22926

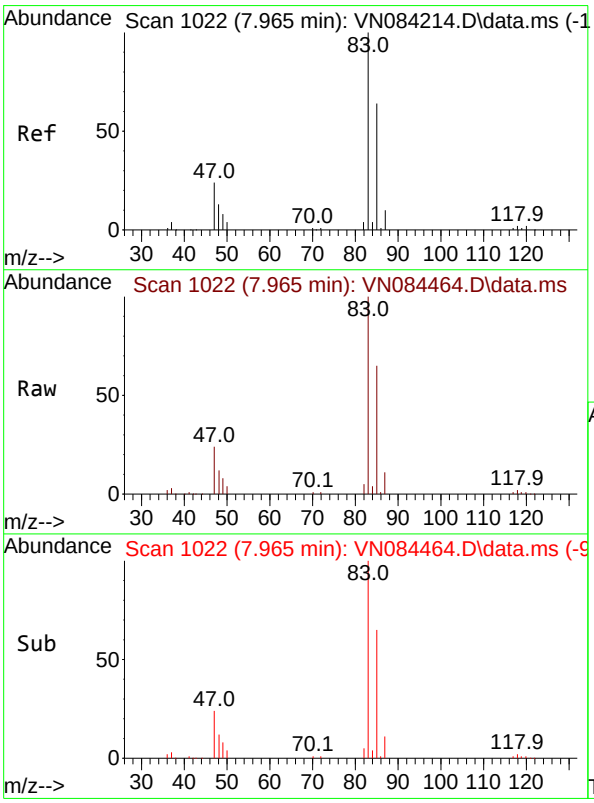
Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

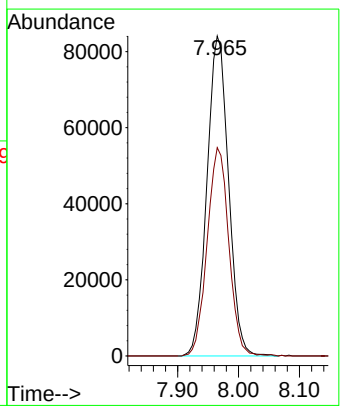
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

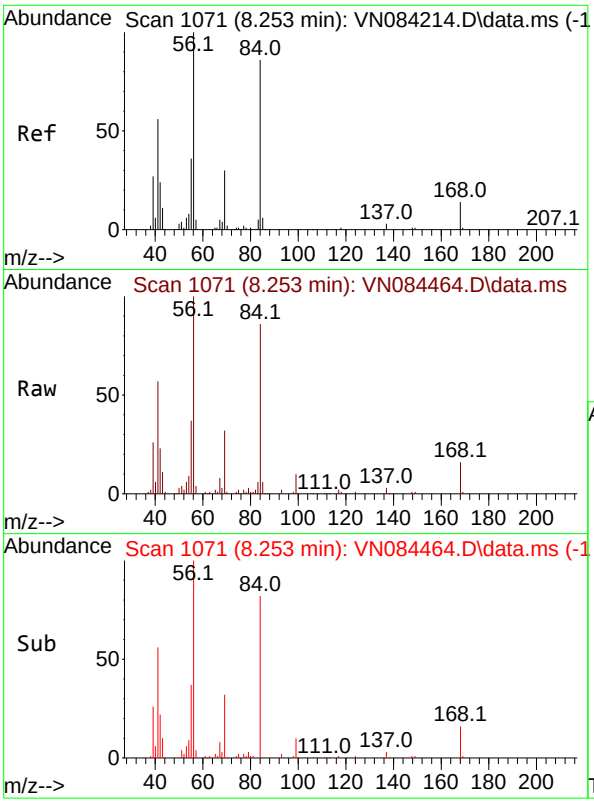


#30
Chloroform
Concen: 53.621 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 83 Resp: 206986

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.4

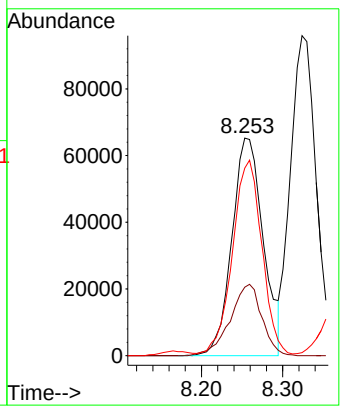




#31
Cyclohexane
Concen: 48.574 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 56 Resp: 17526

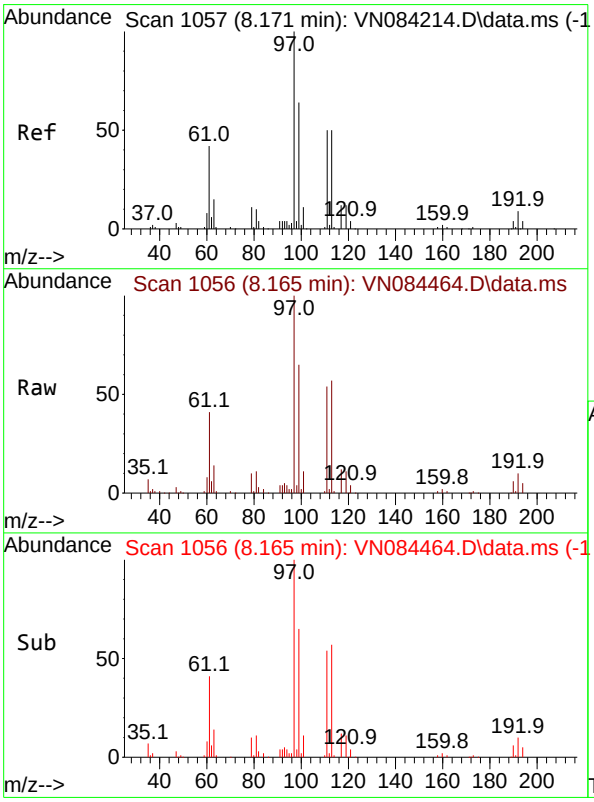
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.6
84	84.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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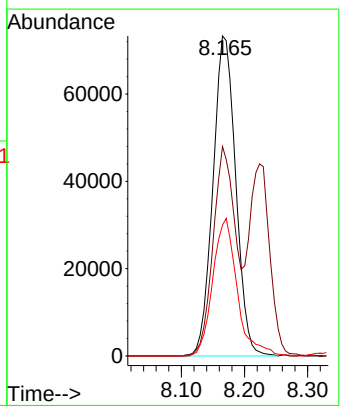
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

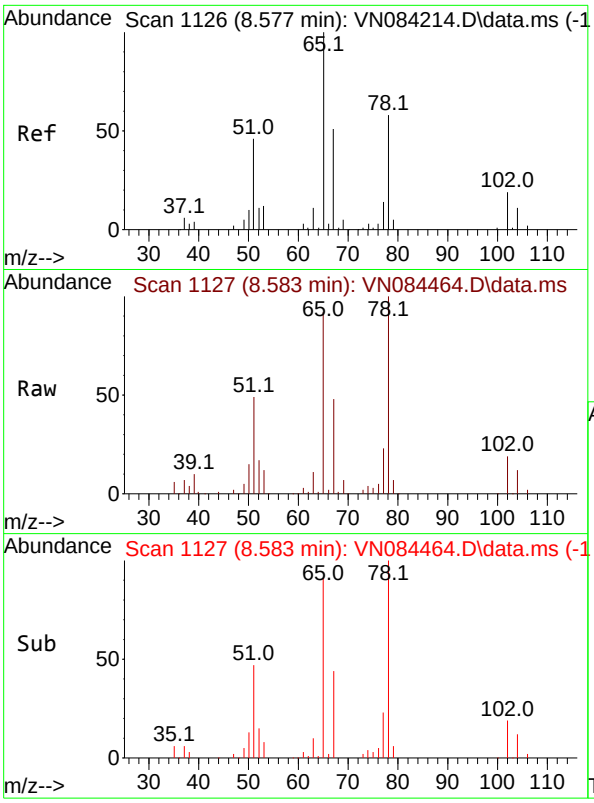


#32
1,1,1-Trichloroethane
Concen: 53.058 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 97 Resp: 183943

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	46.1	37.5	56.3

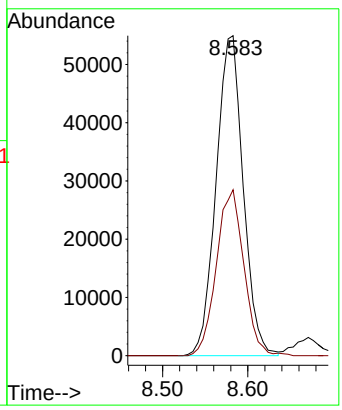




#33
1,2-Dichloroethane-d4
Concen: 49.801 ug/l
RT: 8.583 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 65 Resp: 12131

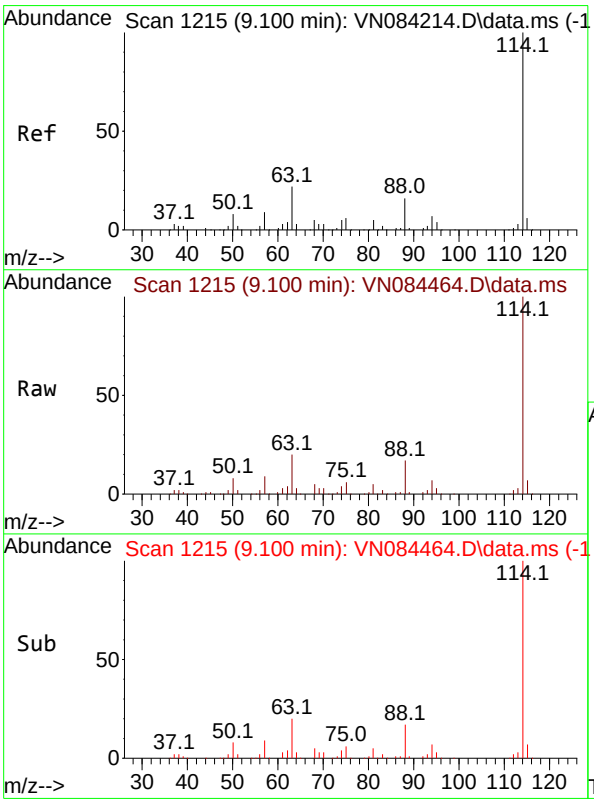
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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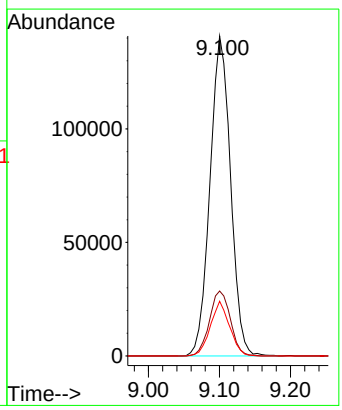
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

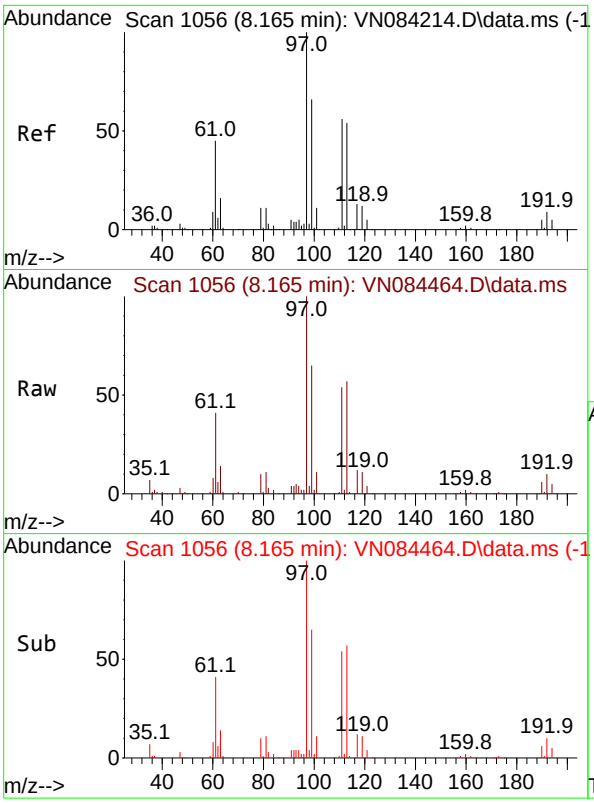


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:114 Resp: 283563

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	17.1	0.0	31.6

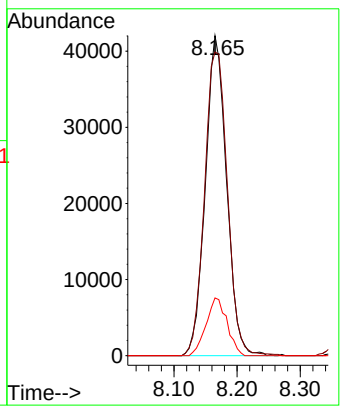




#35
Dibromofluoromethane
Concen: 52.526 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:113 Resp: 9819

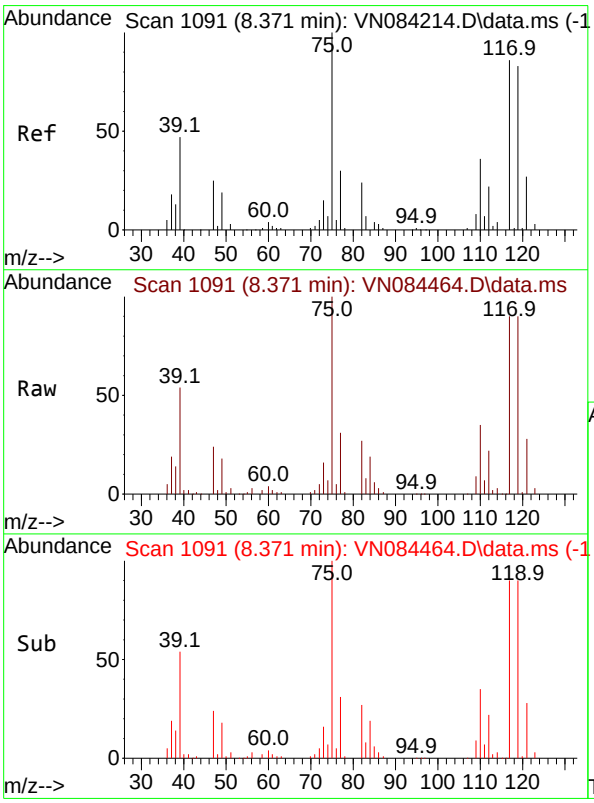
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

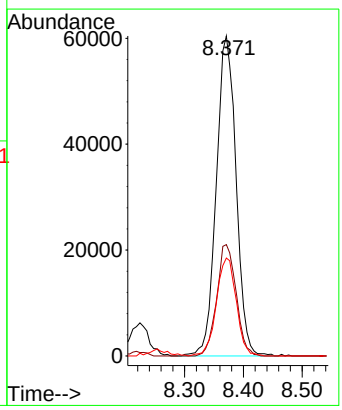
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

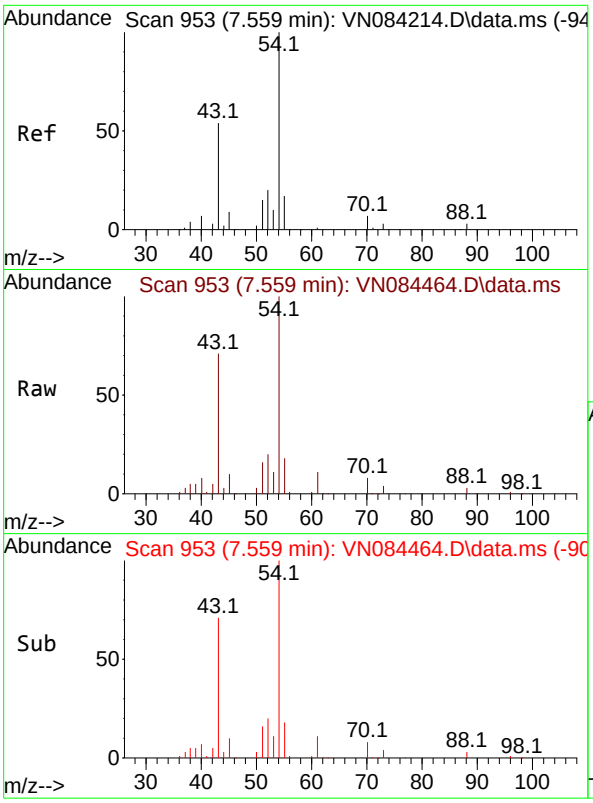


#36
1,1-Dichloropropene
Concen: 52.000 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 141201

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.9	24.7	37.1





#37
Ethyl Acetate
Concen: 51.256 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

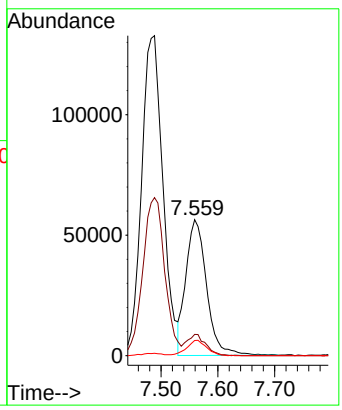
Tgt Ion: 43 Resp: 14278

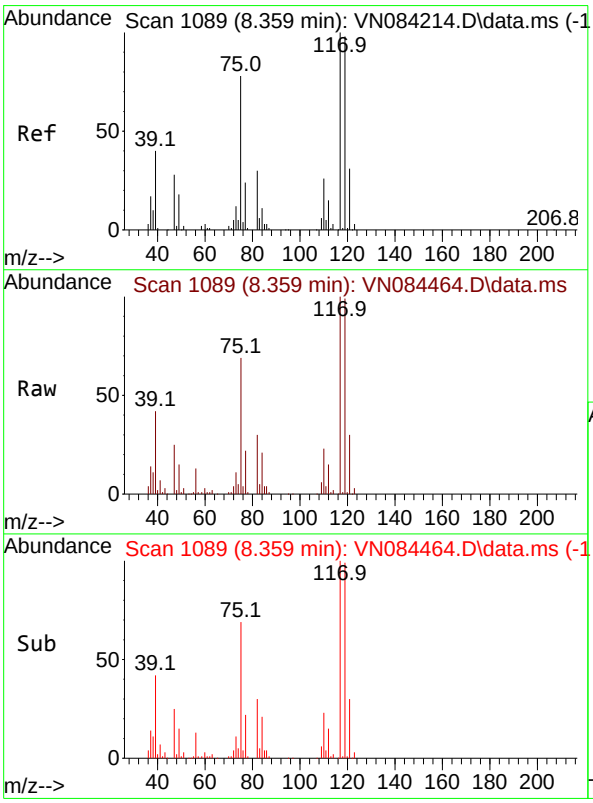
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.9	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

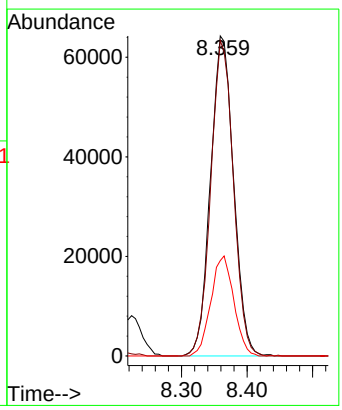


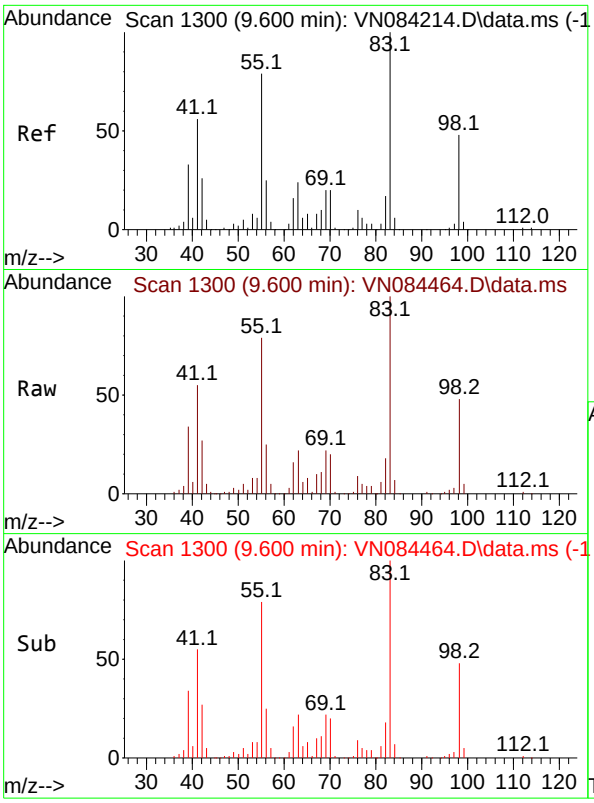


#38
Carbon Tetrachloride
Concen: 52.719 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:117 Resp: 157033

Ion	Ratio	Lower	Upper
117	100		
119	98.5	78.7	118.1
121	29.8	24.4	36.6

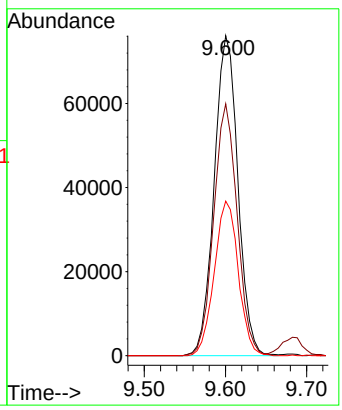




#39
Methylcyclohexane
Concen: 51.186 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 83 Resp: 15469

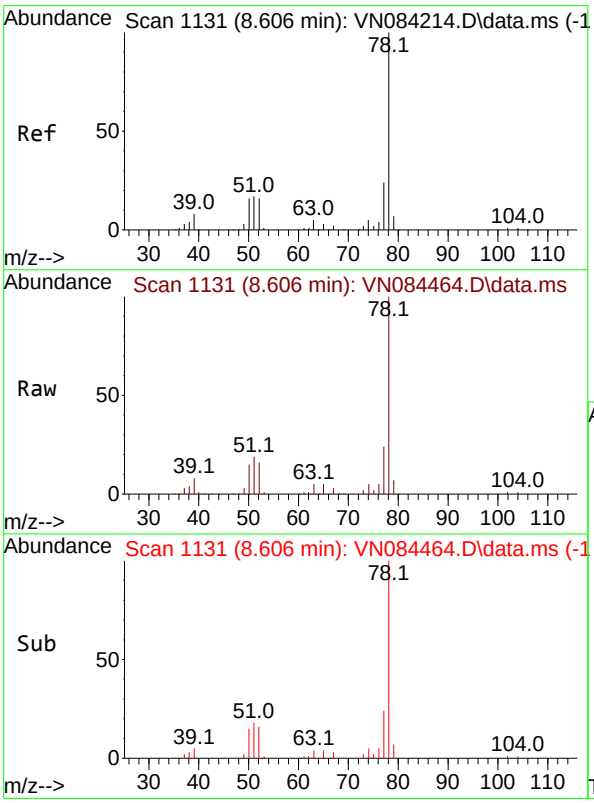
Ion	Ratio	Lower	Upper
83	100		
55	78.7	62.8	94.2
98	48.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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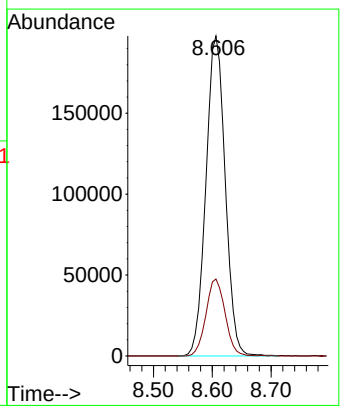
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

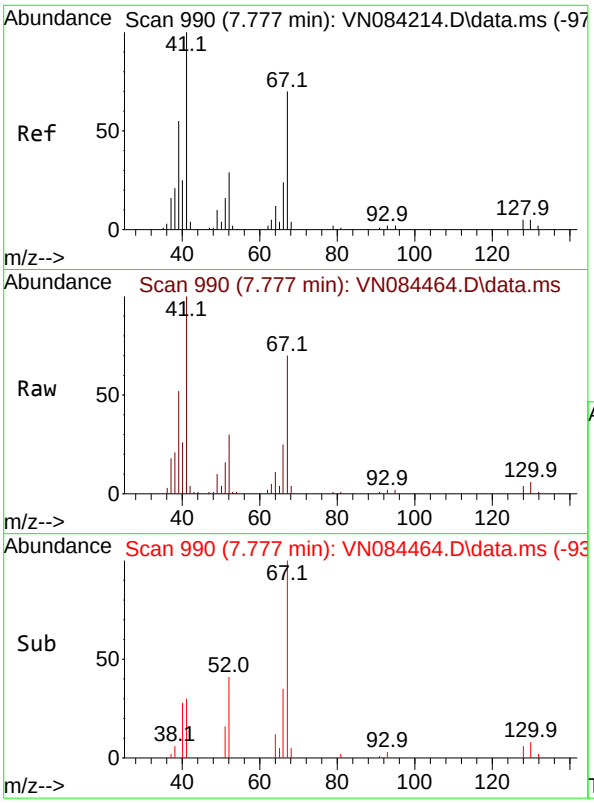


#40
Benzene
Concen: 53.237 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 78 Resp: 450399

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7

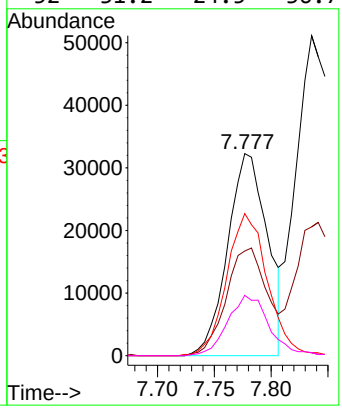




#41
Methacrylonitrile
Concen: 51.960 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 41 Resp: 7858

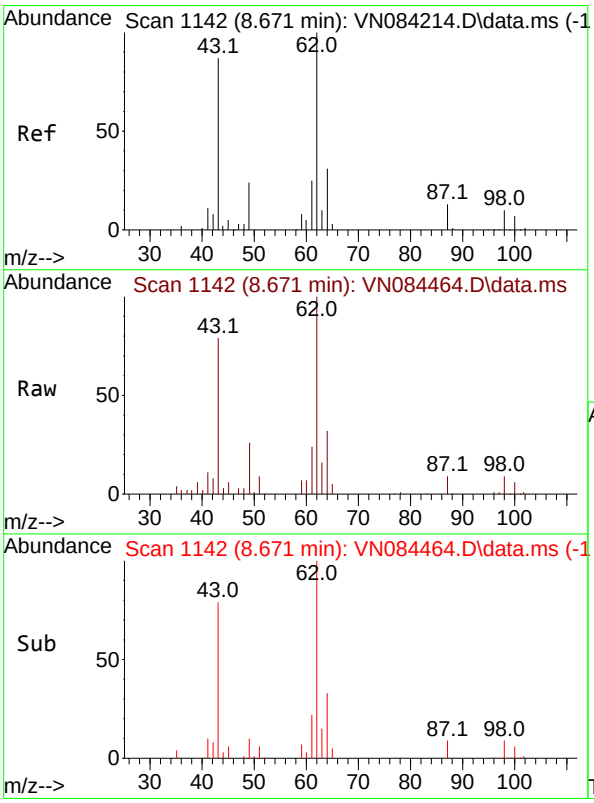
Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.3	64.9
67	72.5	56.1	84.1
52	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

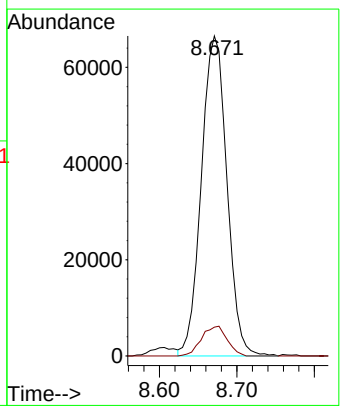
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

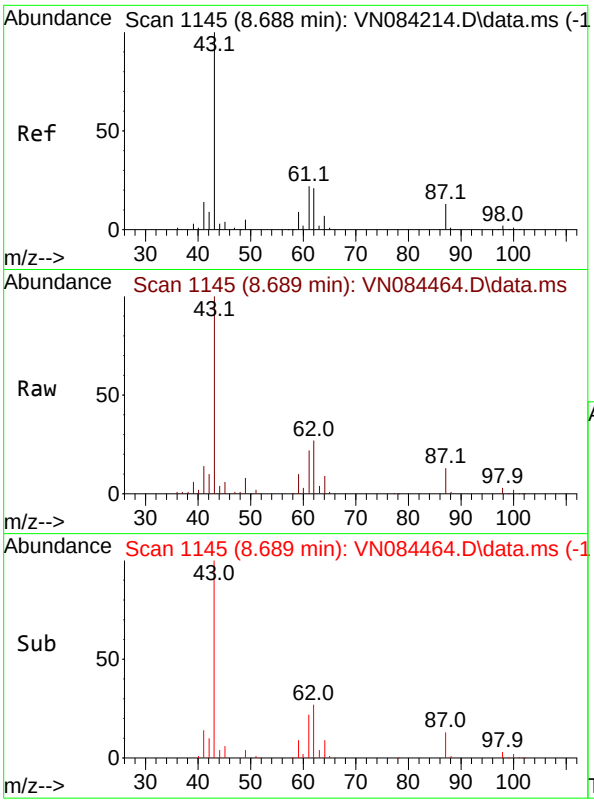


#42
1,2-Dichloroethane
Concen: 53.226 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 62 Resp: 152659

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

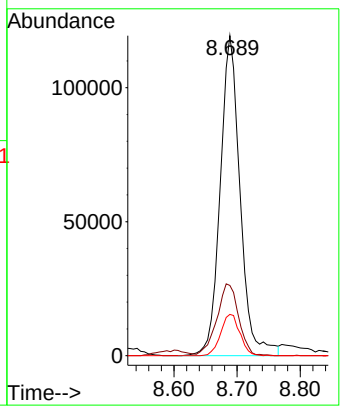




#43
Isopropyl Acetate
Concen: 48.029 ug/l
RT: 8.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 26206

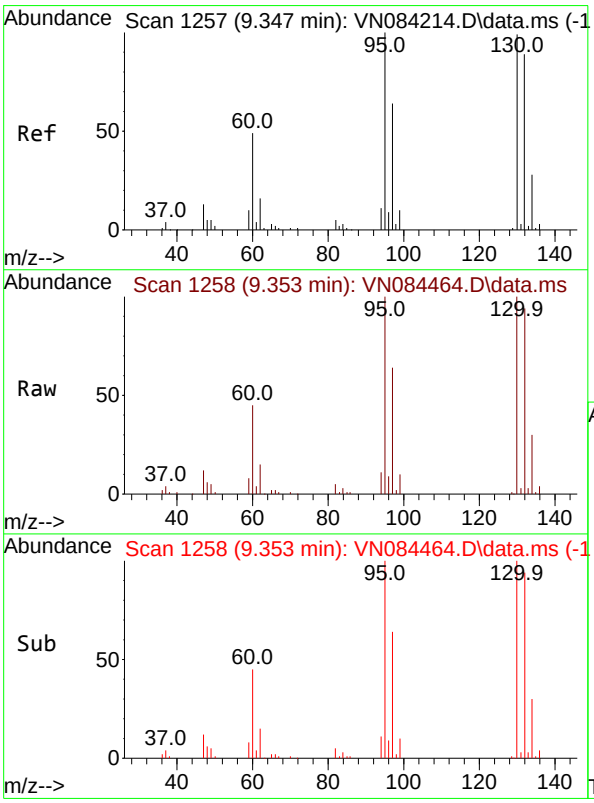
Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.4	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

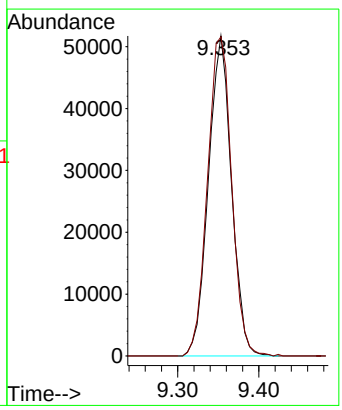
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

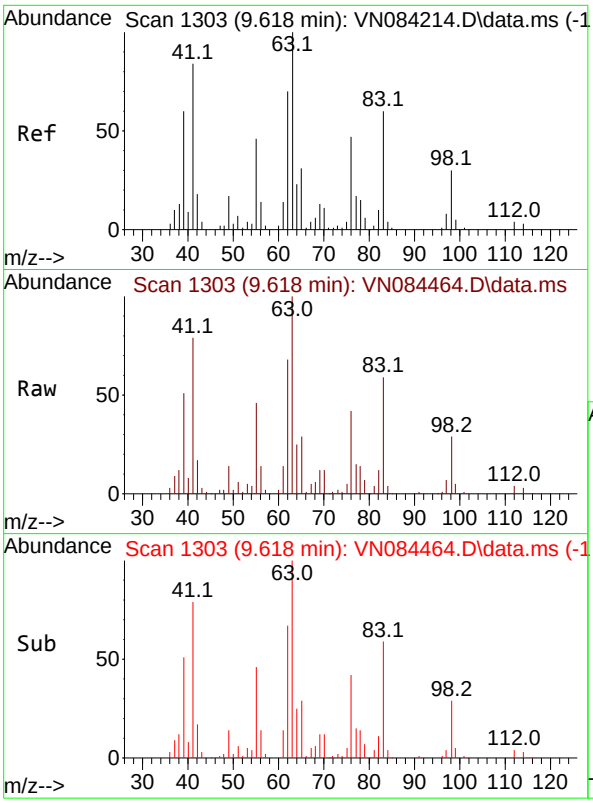


#44
Trichloroethene
Concen: 51.623 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:130 Resp: 102007

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0

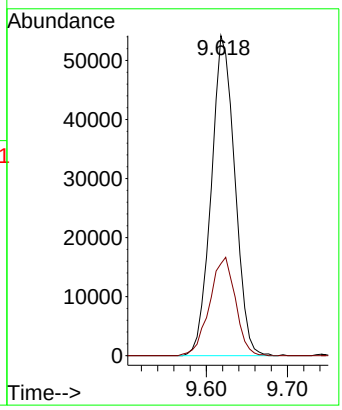




#45
1,2-Dichloropropane
Concen: 54.645 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 63 Resp: 10936

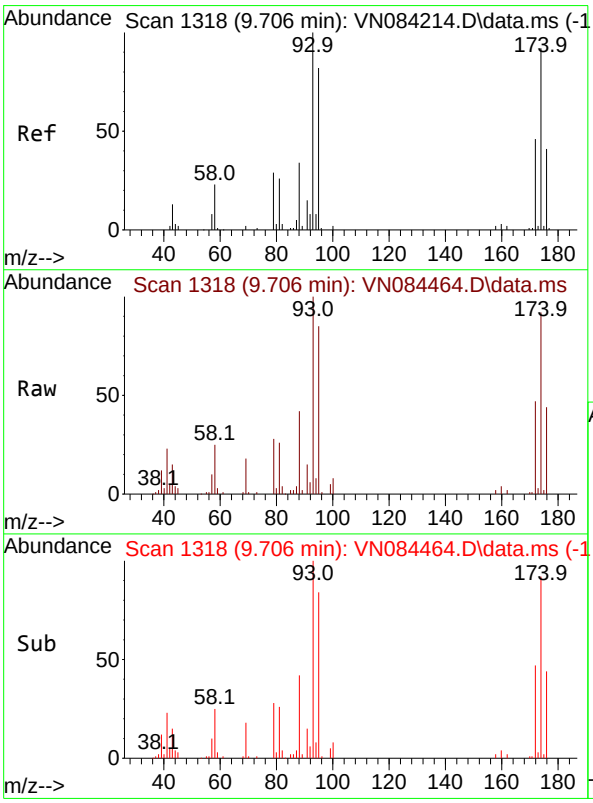
Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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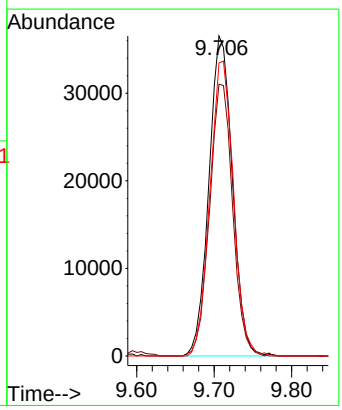
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

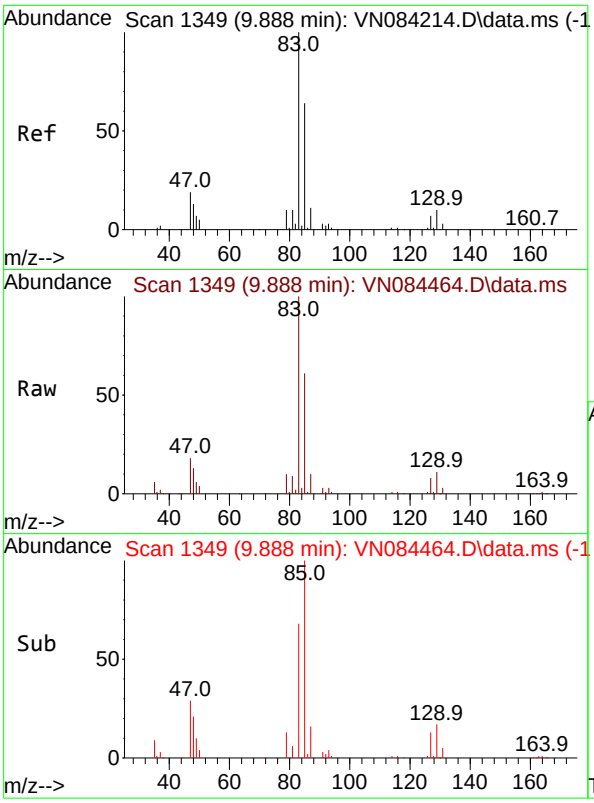


#46
Dibromomethane
Concen: 56.984 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 93 Resp: 76963

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.4
174	92.4	71.8	107.8

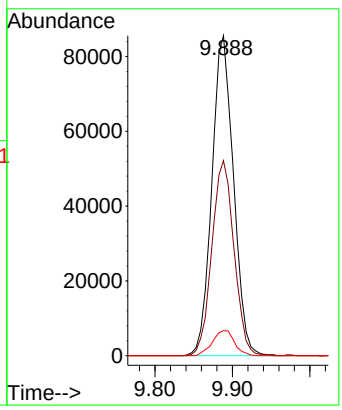




#47
Bromodichloromethane
Concen: 55.217 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 83 Resp: 16568

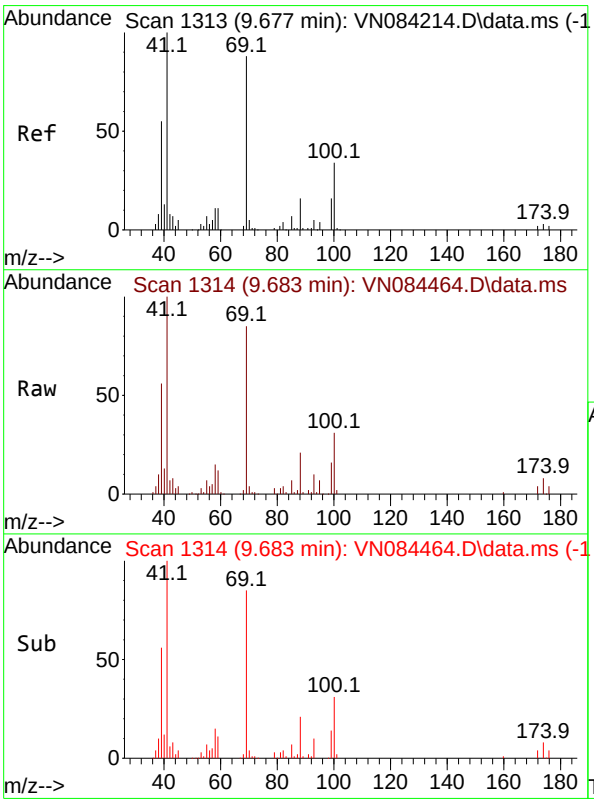
Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.5	77.3
127	7.8	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

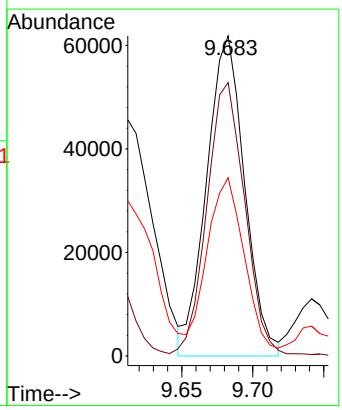
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

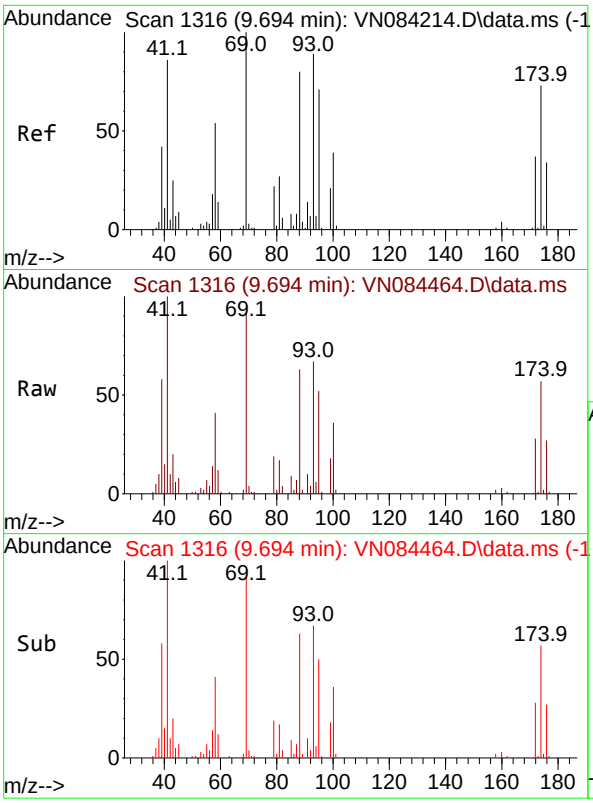


#48
Methyl methacrylate
Concen: 52.966 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 41 Resp: 115046

Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.1	100.7
39	55.3	45.8	68.6

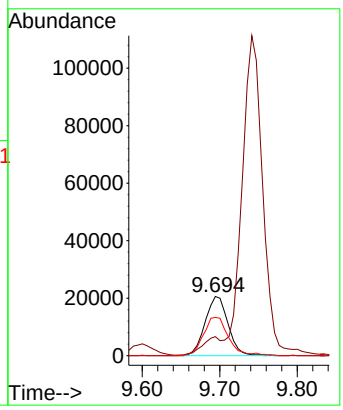




#49
1,4-Dioxane
Concen: 1058.308 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 88 Resp: 4232

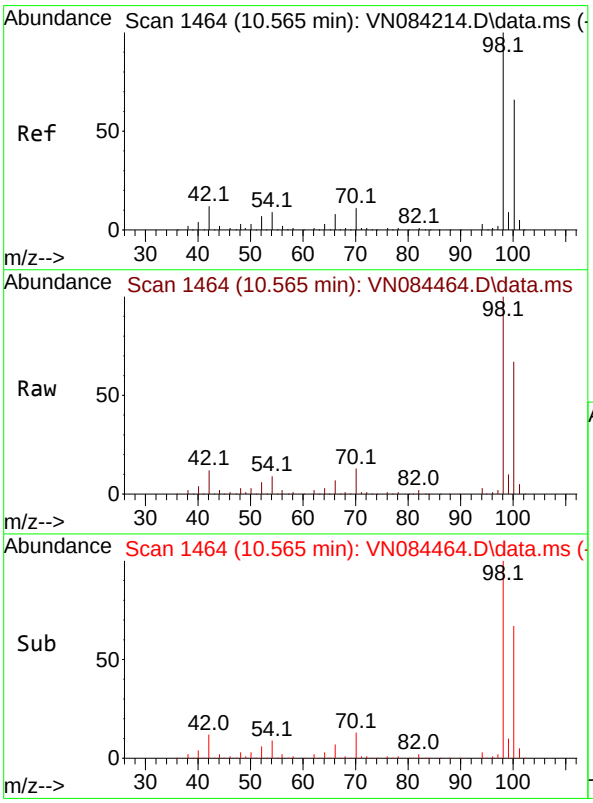
Ion	Ratio	Lower	Upper
88	100		
43	24.7	25.3	37.9#
58	70.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

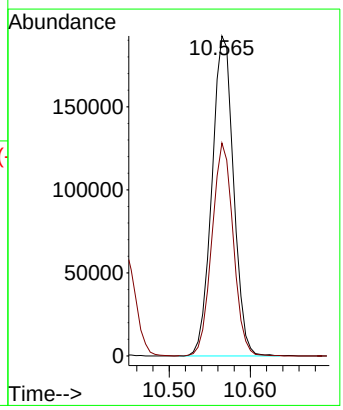
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

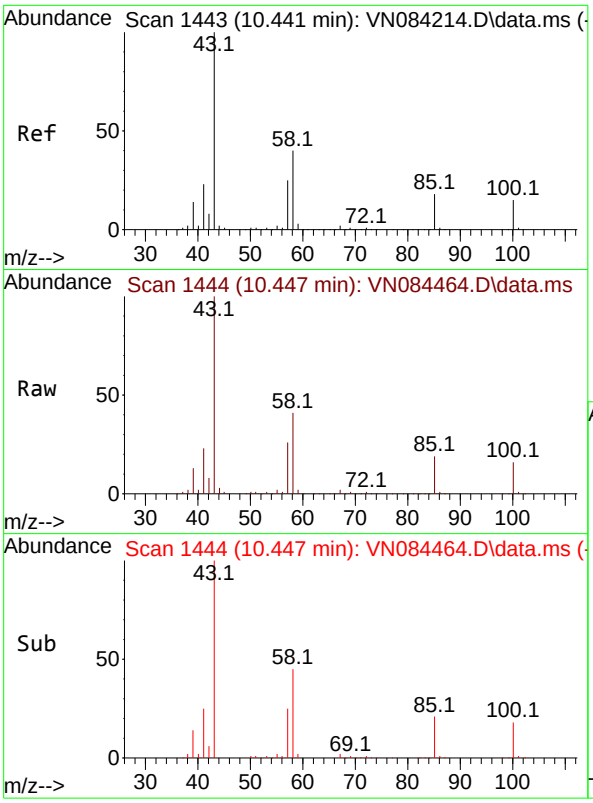


#50
Toluene-d8
Concen: 51.864 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 98 Resp: 356709

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 275.291 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

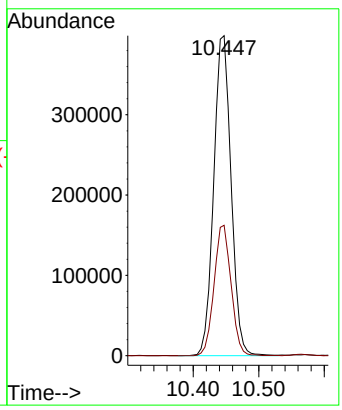
Tgt Ion: 43 Resp: 73005

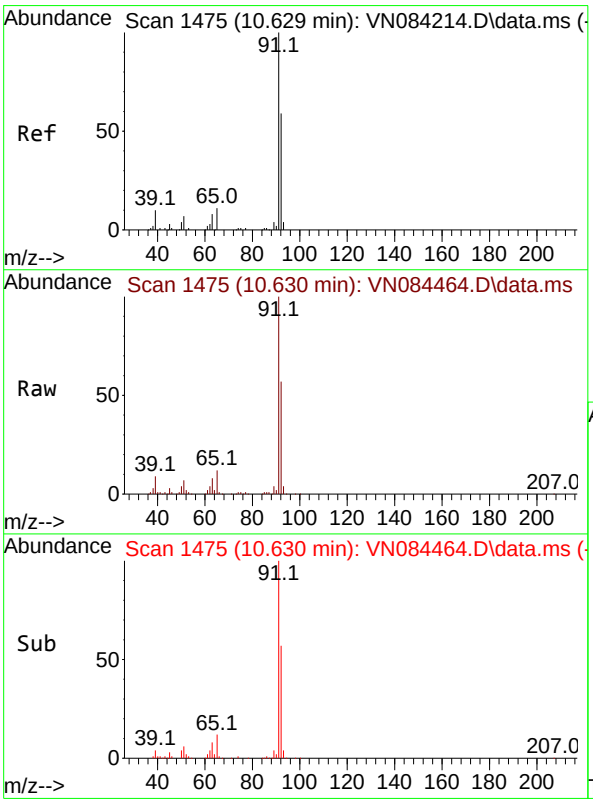
Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

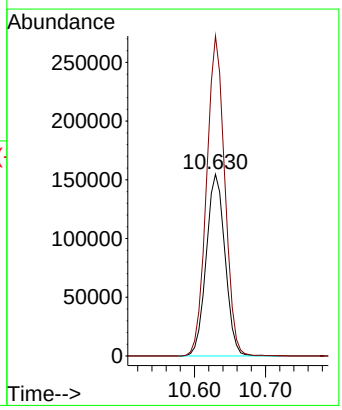


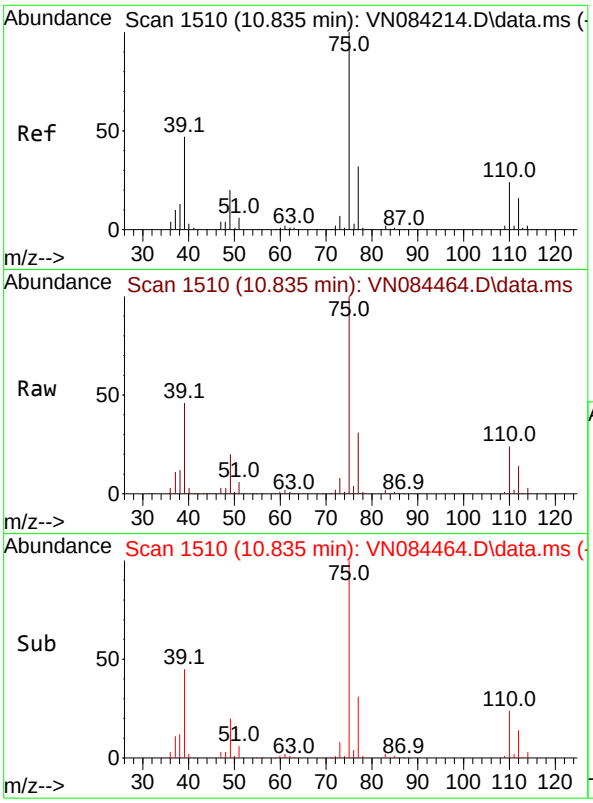


#52
Toluene
Concen: 55.055 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 92 Resp: 284031

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

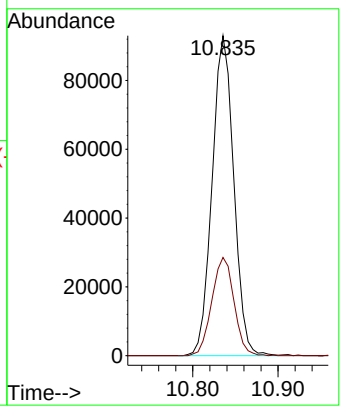




#53
t-1,3-Dichloropropene
Concen: 53.730 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 16434

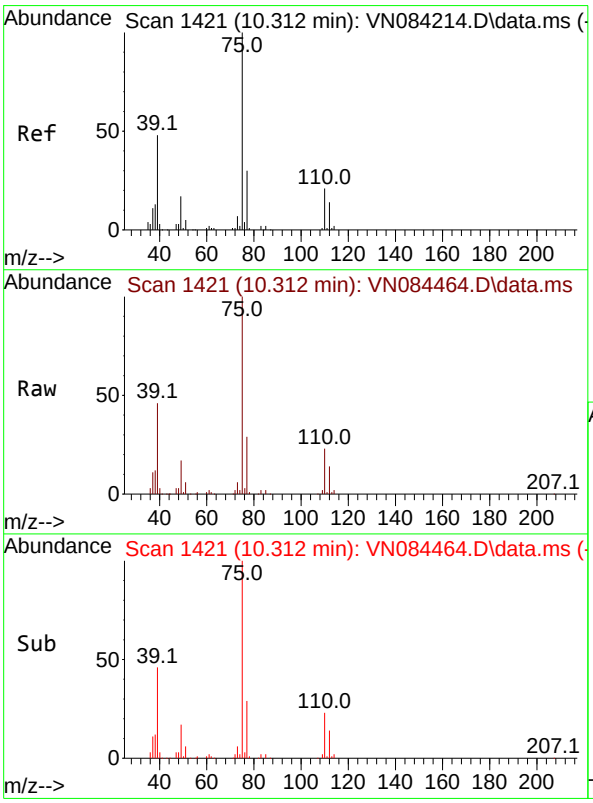
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

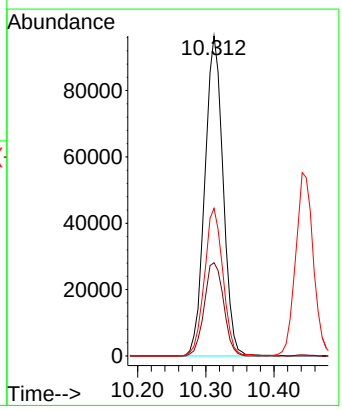
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

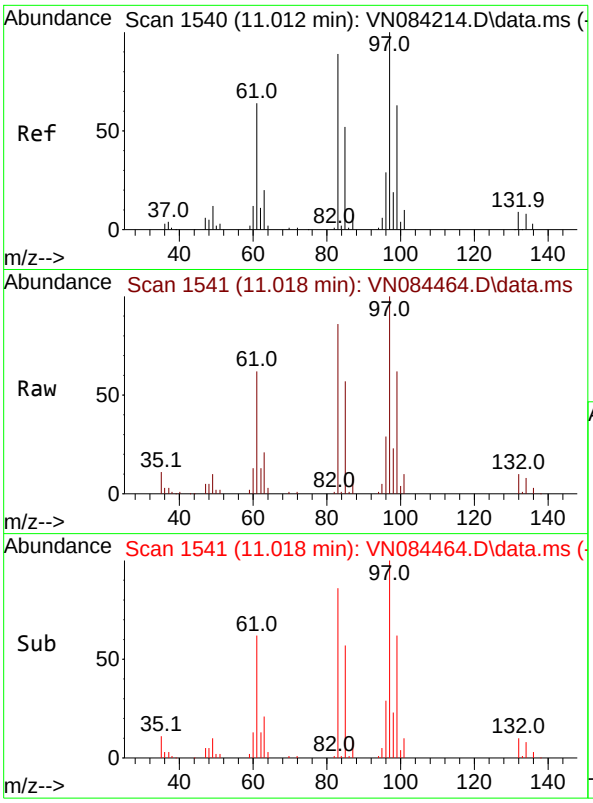


#54
cis-1,3-Dichloropropene
Concen: 54.433 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 179083

Ion	Ratio	Lower	Upper
75	100		
77	29.2	24.2	36.2
39	46.1	38.7	58.1

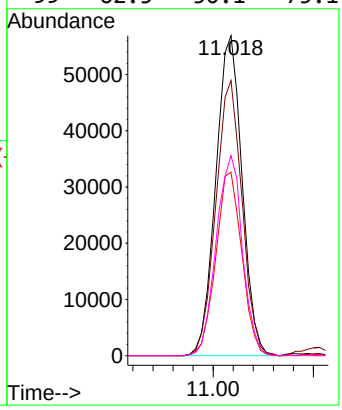




#55
1,1,2-Trichloroethane
Concen: 55.954 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 97 Resp: 10348

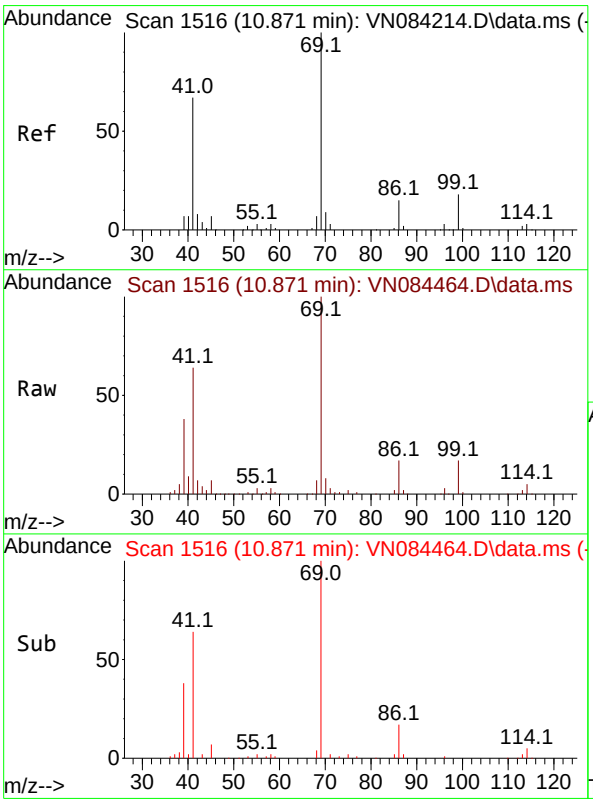
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	57.3	41.7	62.5
99	62.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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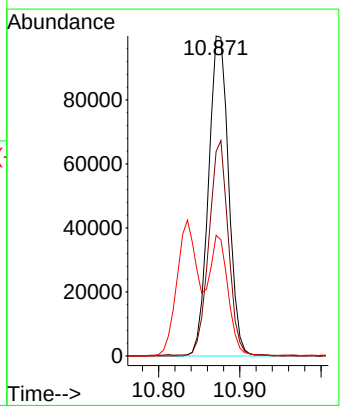
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

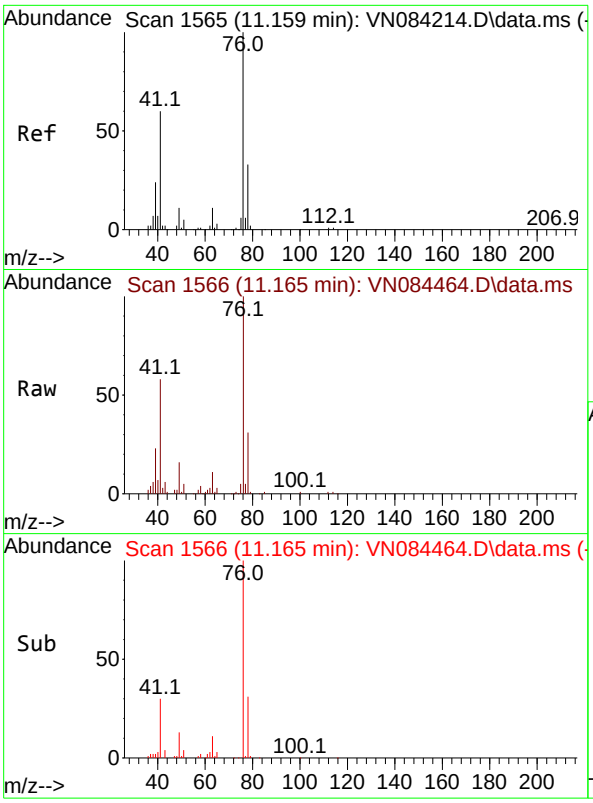


#56
Ethyl methacrylate
Concen: 56.428 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 69 Resp: 171724

Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.3	79.9
39	36.3	28.8	43.2

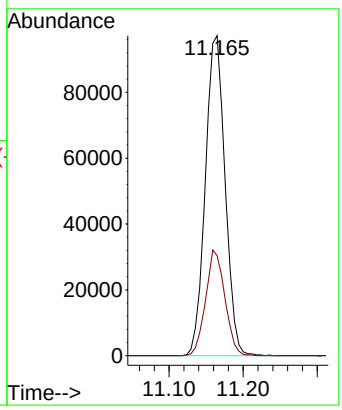




#57
1,3-Dichloropropane
Concen: 54.404 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 76 Resp: 17979

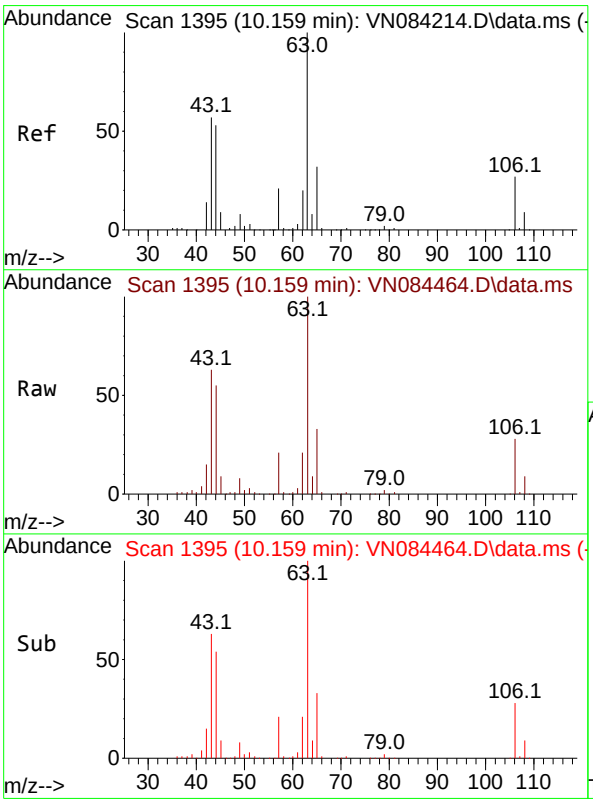
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

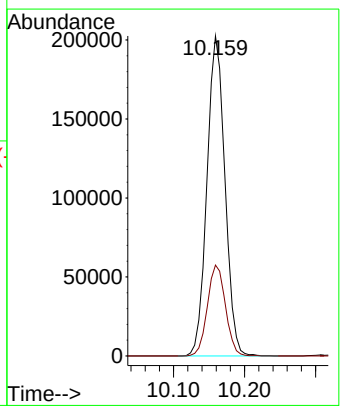
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

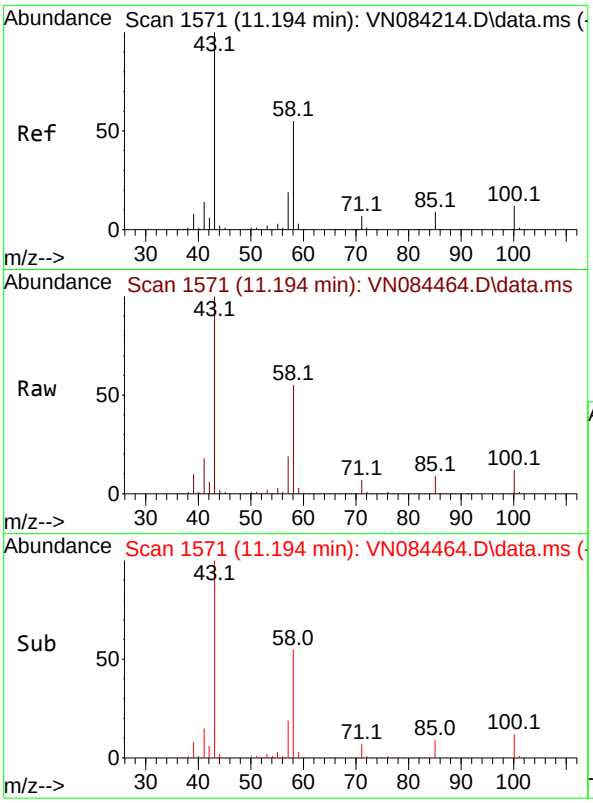


#58
2-Chloroethyl Vinyl ether
Concen: 252.296 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 63 Resp: 356176

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6





#59
2-Hexanone
Concen: 271.707 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

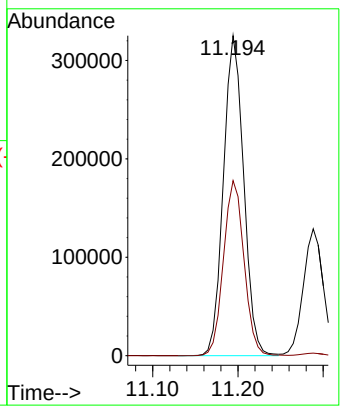
Tgt Ion: 43 Resp: 53854

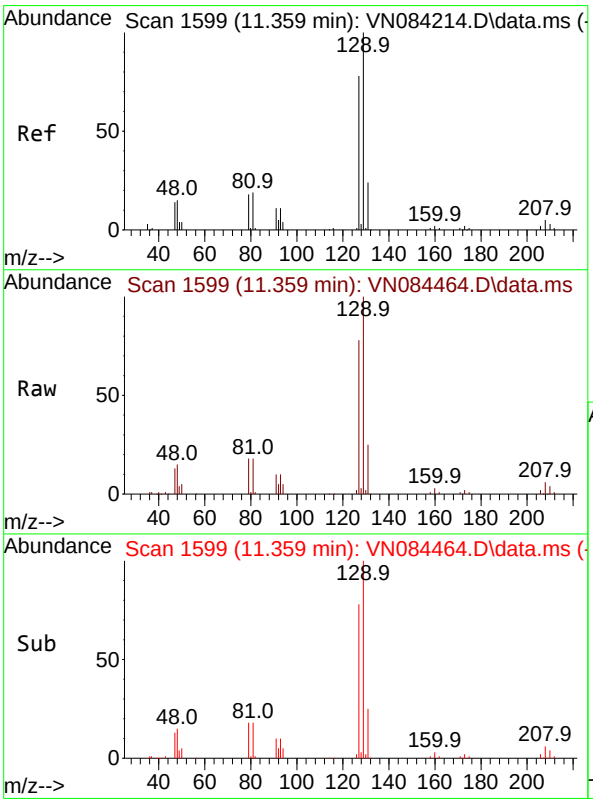
Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

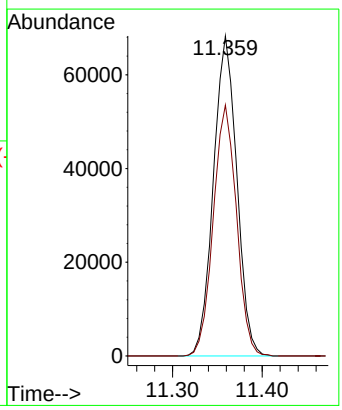


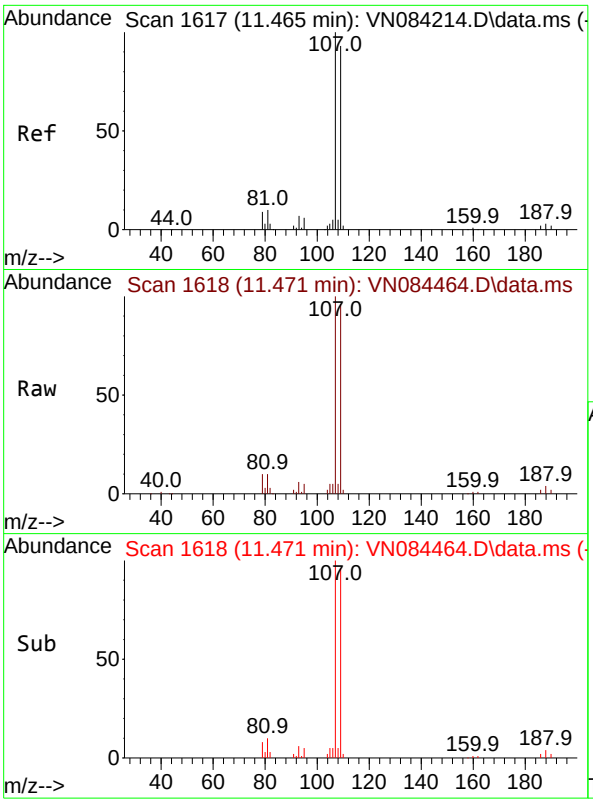


#60
Dibromochloromethane
Concen: 56.595 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:129 Resp: 123673

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9

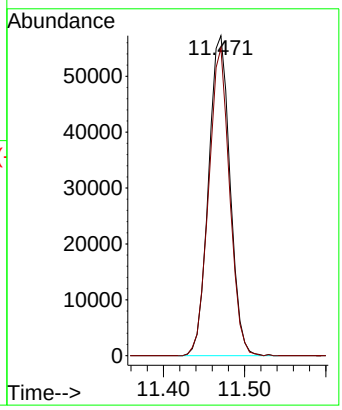




#61
1,2-Dibromoethane
Concen: 54.782 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:107 Resp: 10527

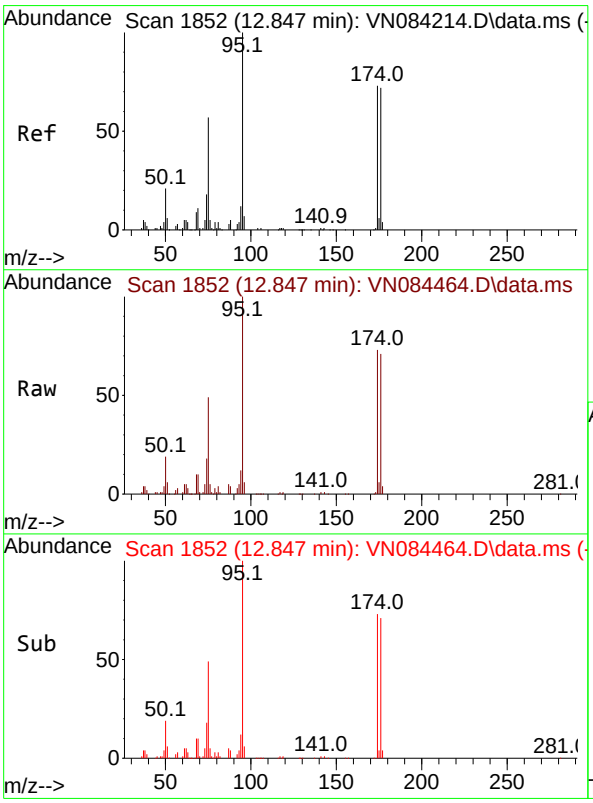
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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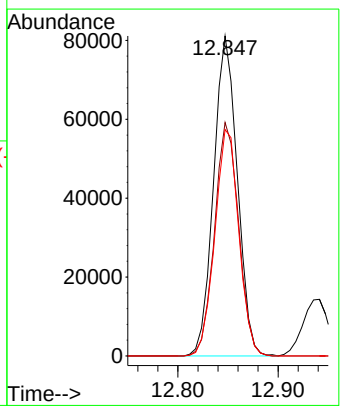
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

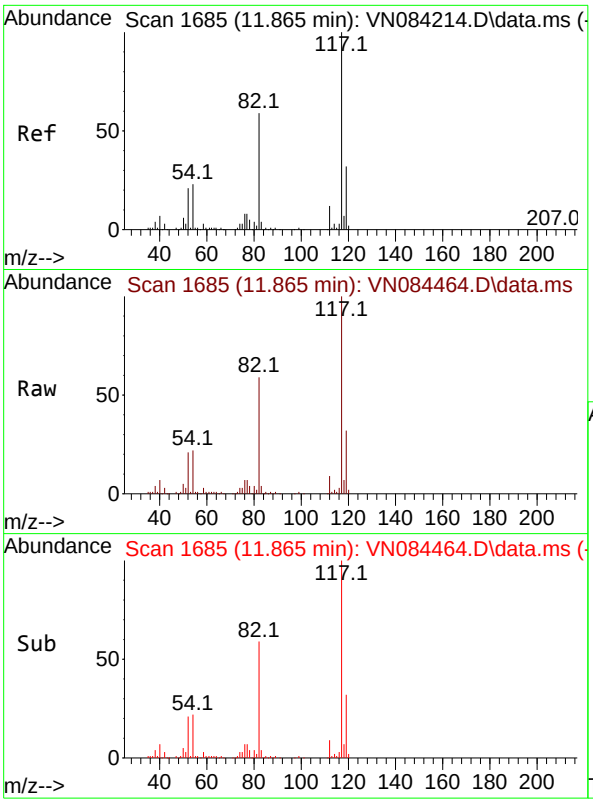


#62
4-Bromofluorobenzene
Concen: 53.166 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 95 Resp: 133216

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	71.6	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

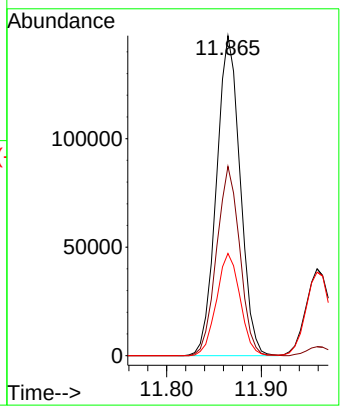
Tgt Ion:117 Resp: 25675

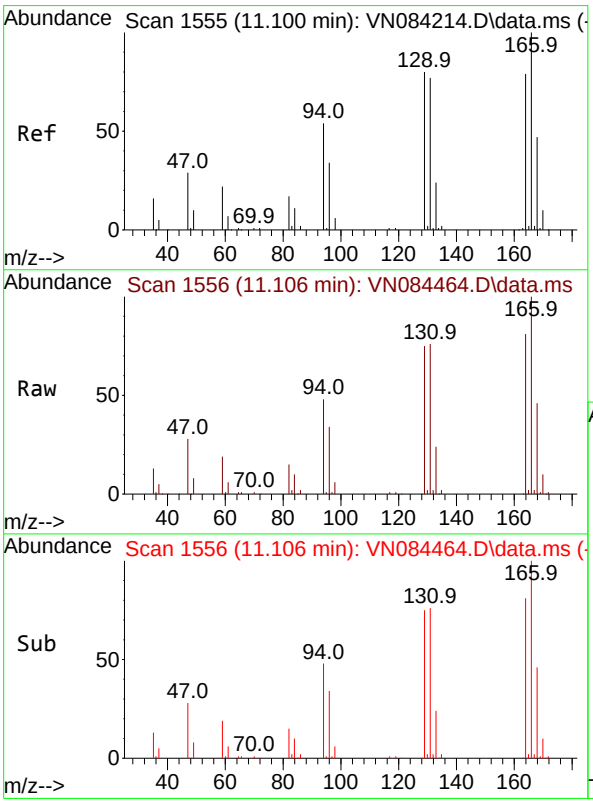
Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.2	70.8
119	32.0	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

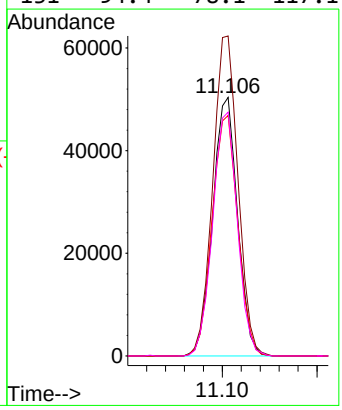


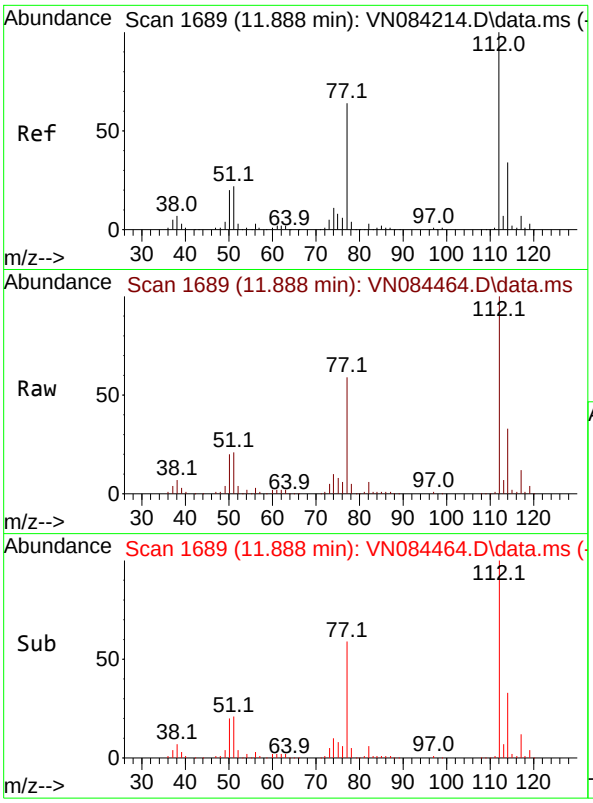


#64
Tetrachloroethene
Concen: 51.295 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:164 Resp: 91732

Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.0	151.4
129	93.0	80.8	121.2
131	94.4	78.1	117.1

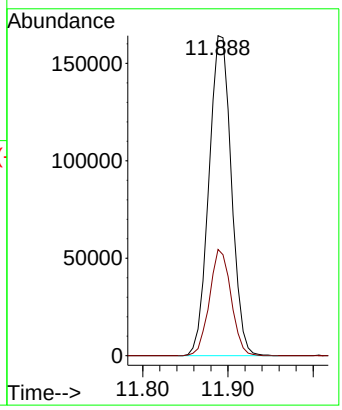




#65
Chlorobenzene
Concen: 52.686 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:112 Resp: 29992

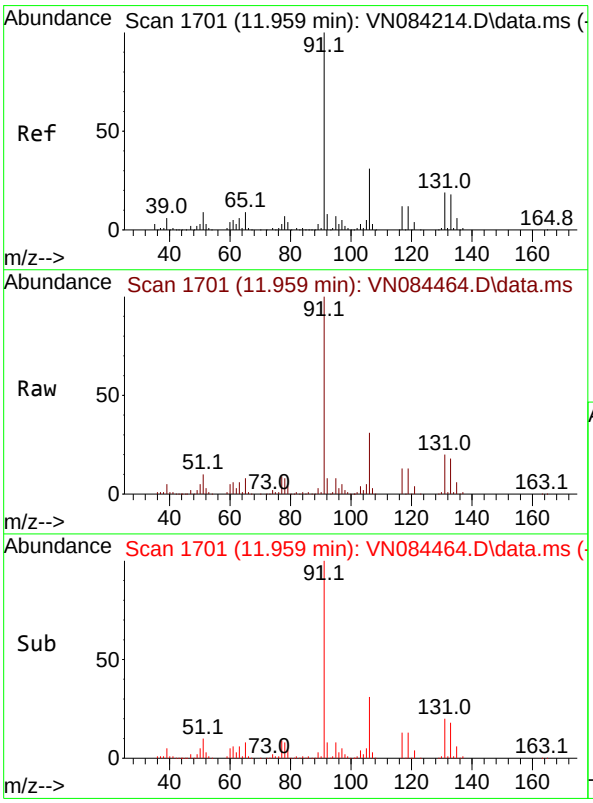
Ion	Ratio	Lower	Upper
112	100		
114	33.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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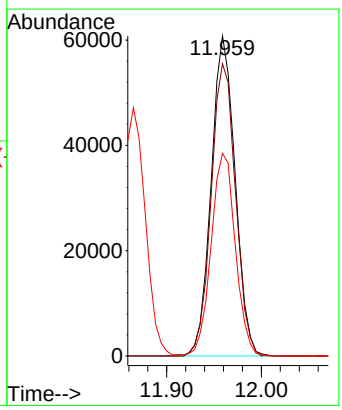
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

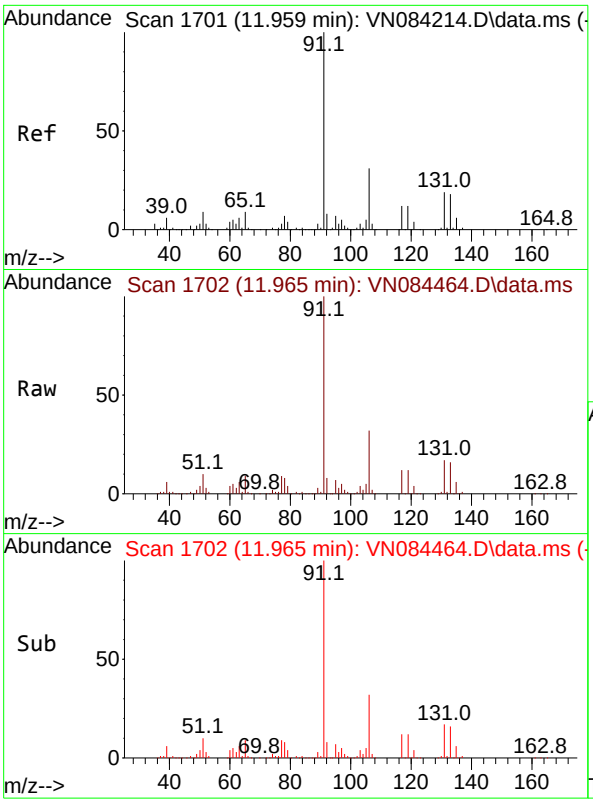


#66
1,1,1,2-Tetrachloroethane
Concen: 54.273 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:131 Resp: 106419

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.9	143.7
119	64.2	32.8	98.3





#67
Ethyl Benzene
Concen: 53.458 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

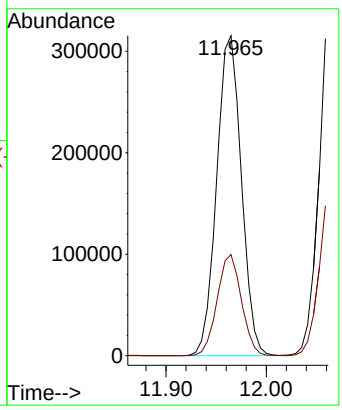
Tgt Ion: 91 Resp: 53818

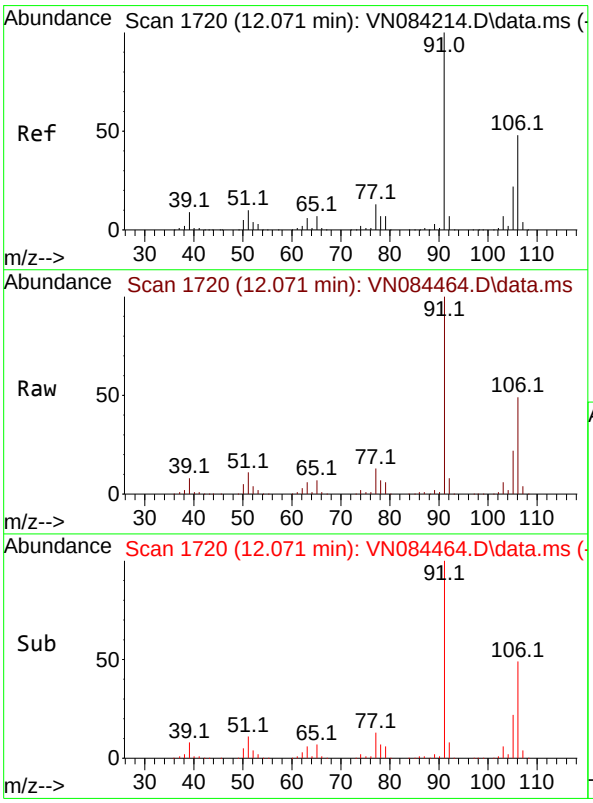
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

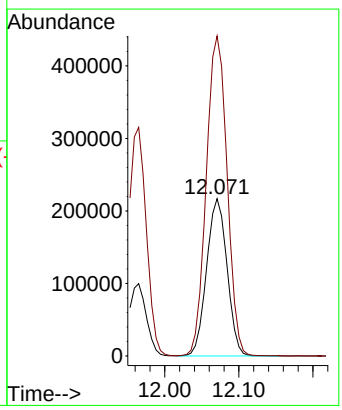


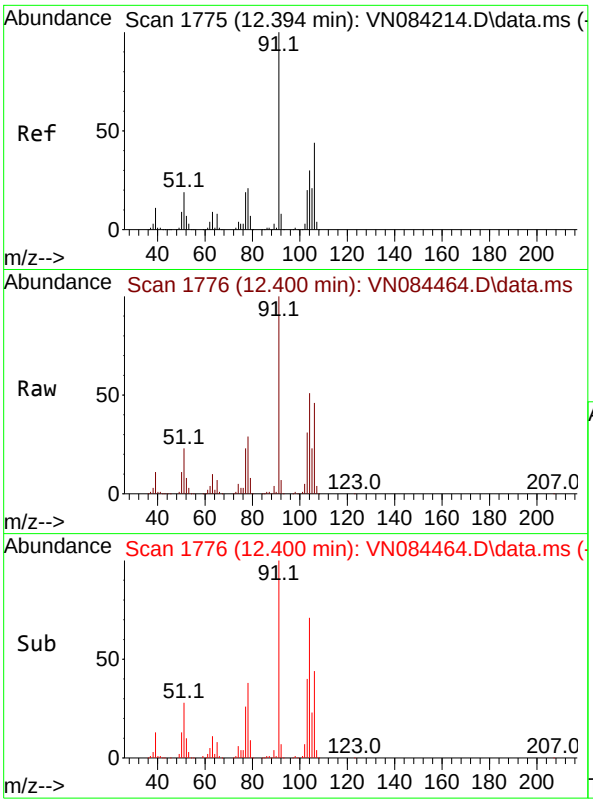


#68
m/p-Xylenes
Concen: 111.613 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:106 Resp: 415651

Ion	Ratio	Lower	Upper
106	100		
91	207.1	167.1	250.7

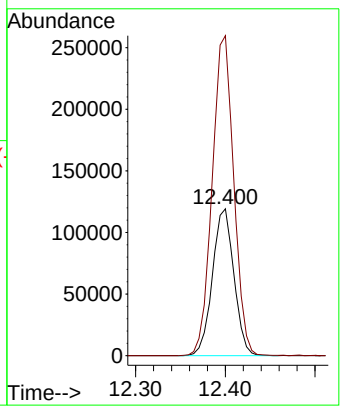




#69
o-Xylene
Concen: 56.237 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:106 Resp: 19814

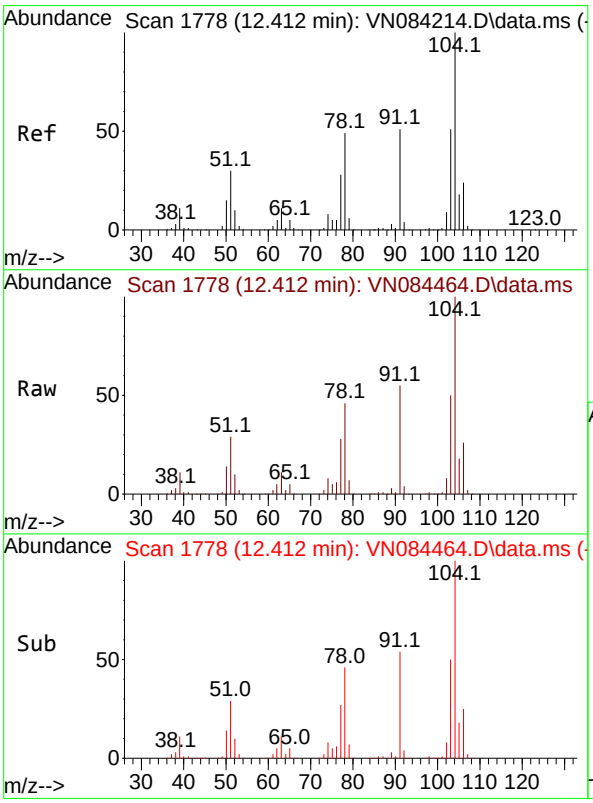
Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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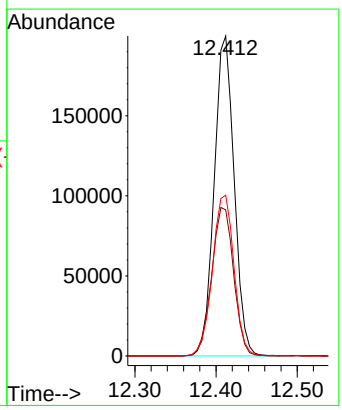
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

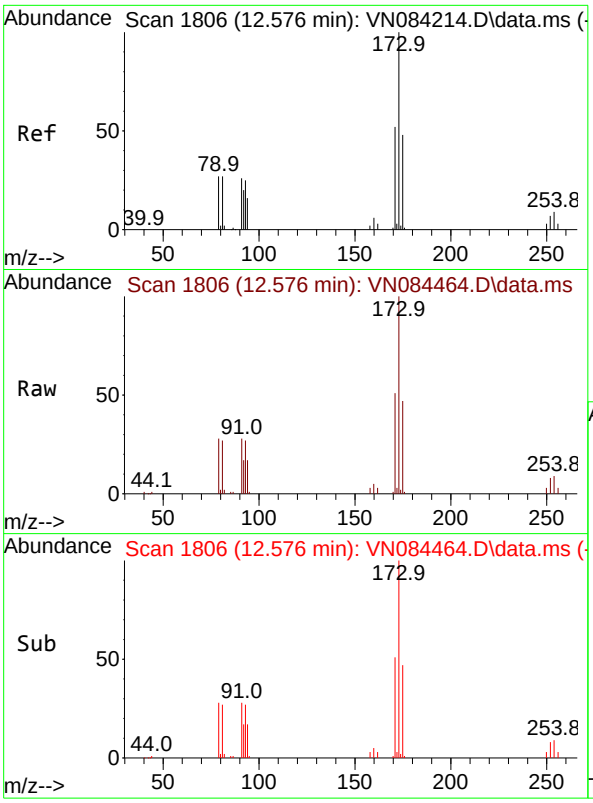


#70
Styrene
Concen: 57.255 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:104 Resp: 341693

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.7	64.1
103	54.3	43.6	65.4





#71
Bromoform
Concen: 57.382 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

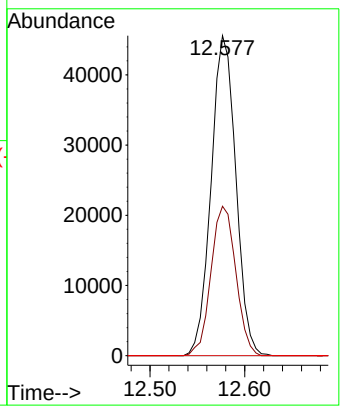
Tgt Ion:173 Resp: 8283

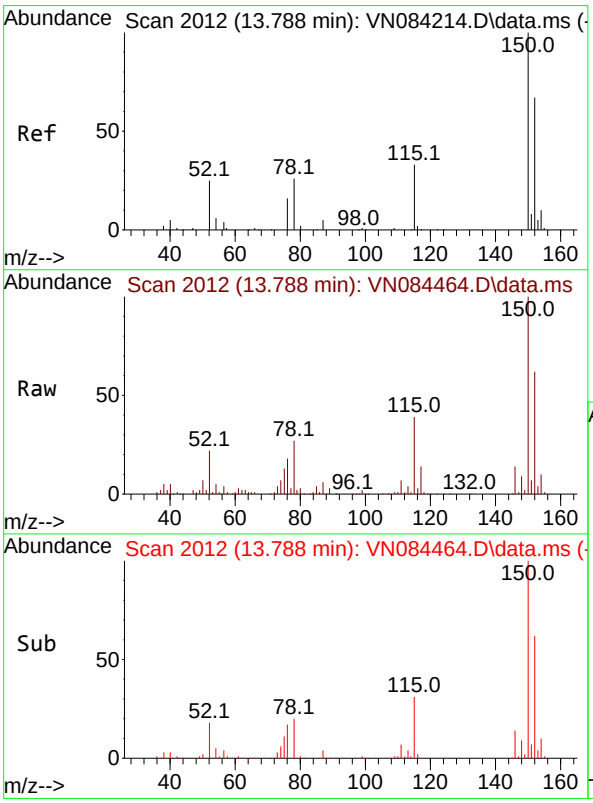
Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

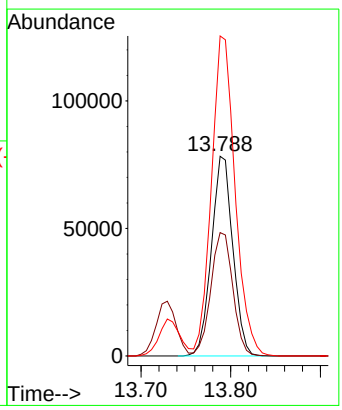


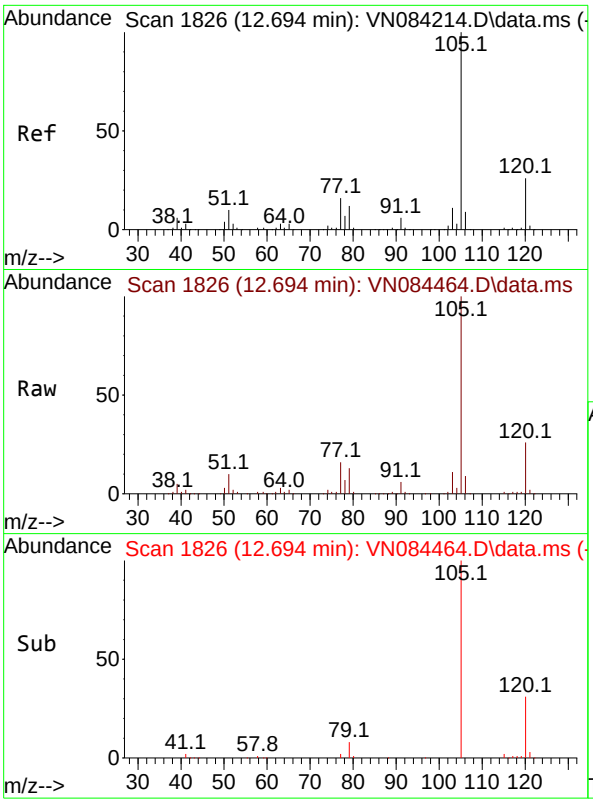


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:152 Resp: 129764

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	176.6	0.0	349.8





#73
Isopropylbenzene
Concen: 51.046 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

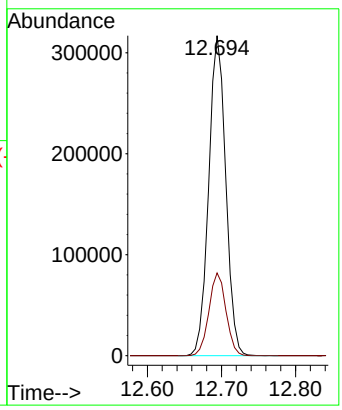
Tgt Ion:105 Resp: 50546

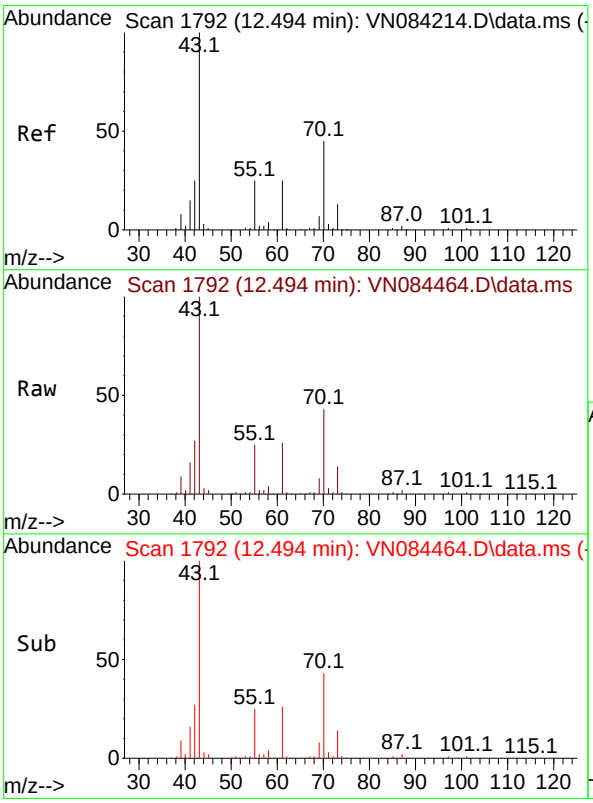
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

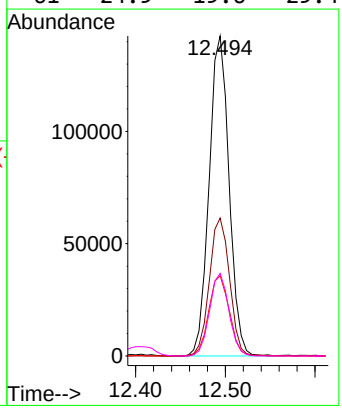


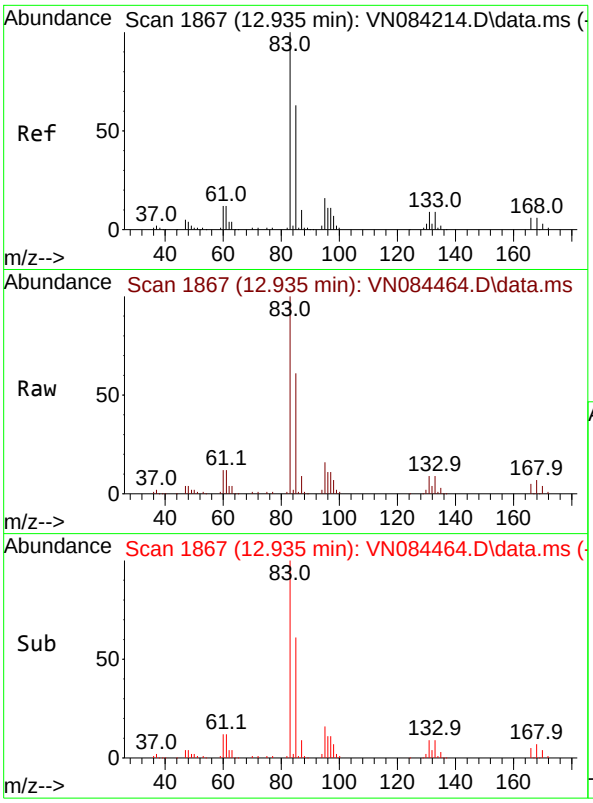


#74
N-amyl acetate
Concen: 49.173 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 220493

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.8	19.6	29.4
61	24.9	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 51.213 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

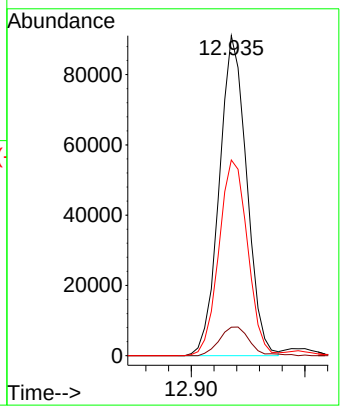
Tgt Ion: 83 Resp: 15248

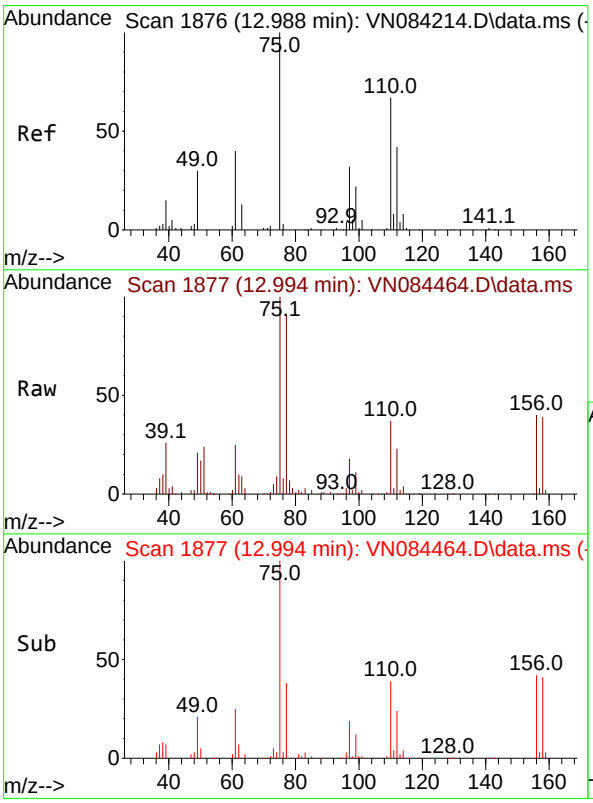
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.0	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

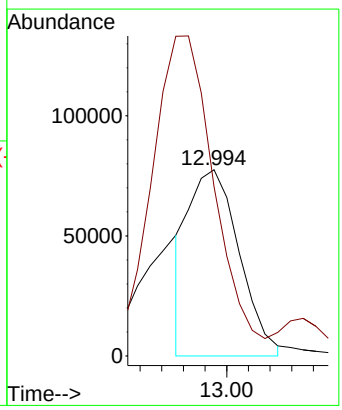


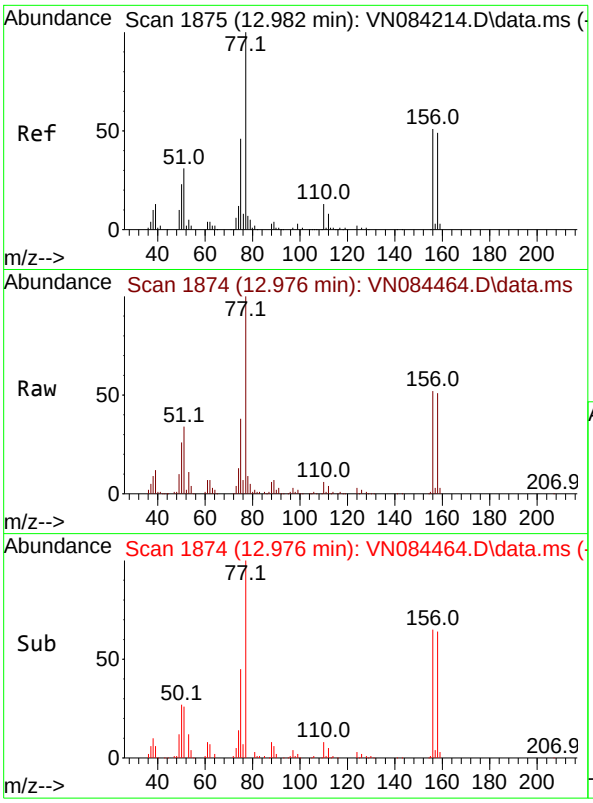


#76
1,2,3-Trichloropropane
Concen: 47.550 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 125969

Ion	Ratio	Lower	Upper
75	100		
77	213.9	96.9	290.7

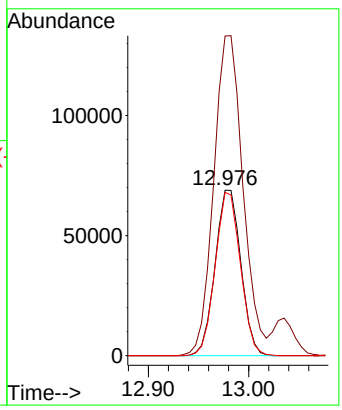




#77
Bromobenzene
Concen: 51.291 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:156 Resp: 12251

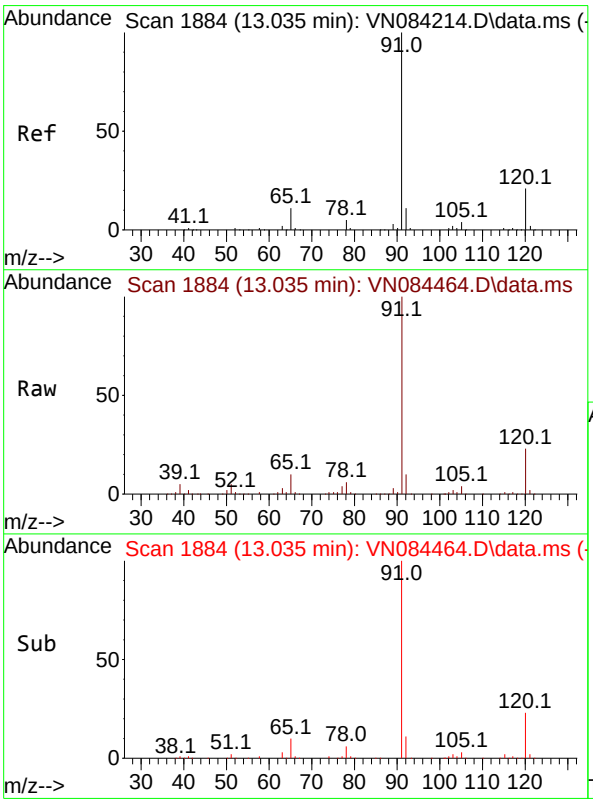
Ion	Ratio	Lower	Upper
156	100		
77	219.9	115.1	345.3
158	97.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

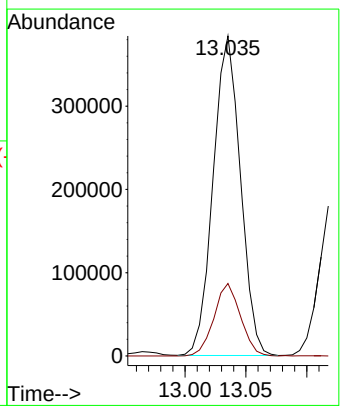
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

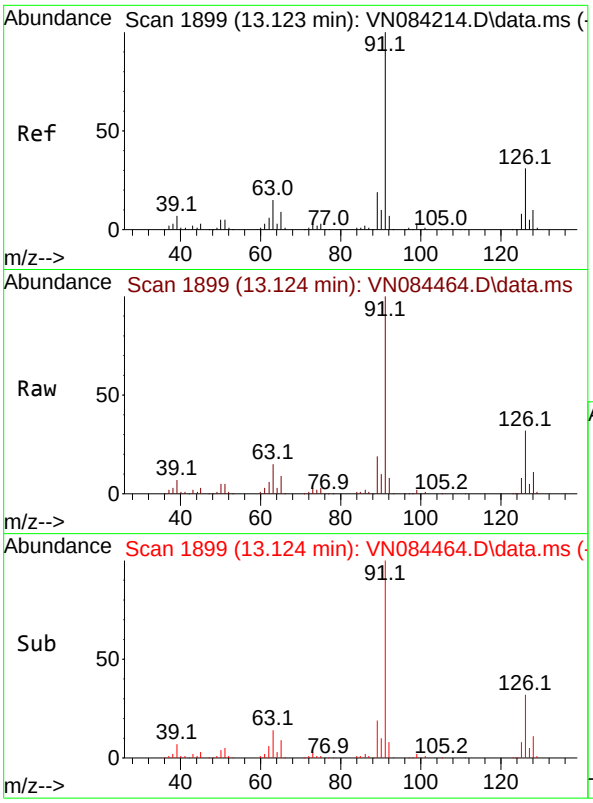


#78
n-propylbenzene
Concen: 52.243 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 91 Resp: 599366

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

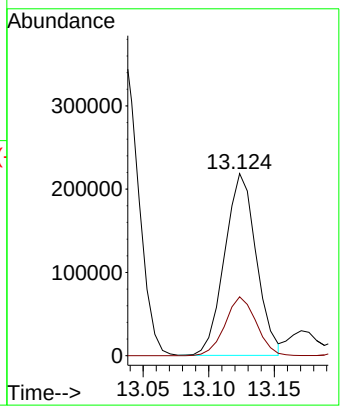




#79
2-Chlorotoluene
Concen: 50.163 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 91 Resp: 36723

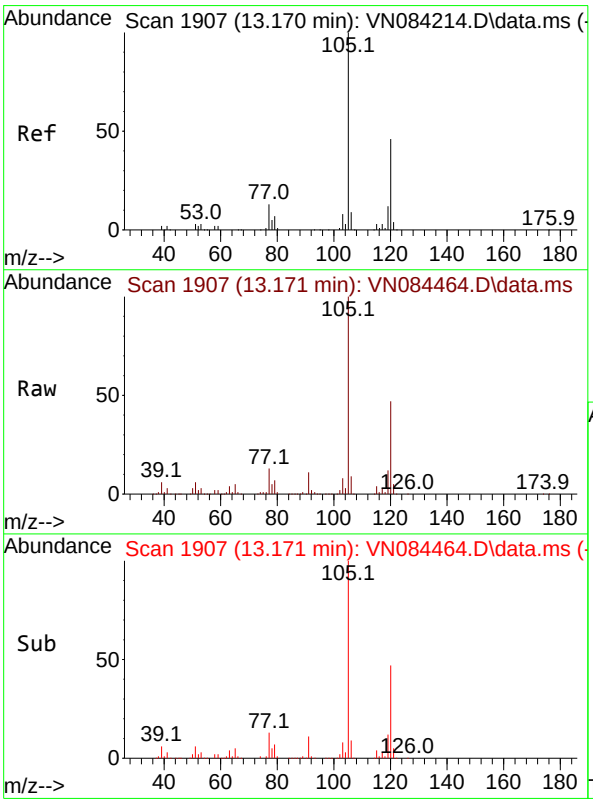
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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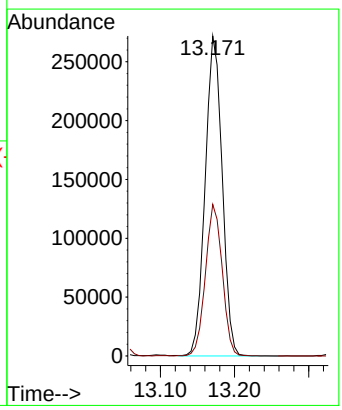
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

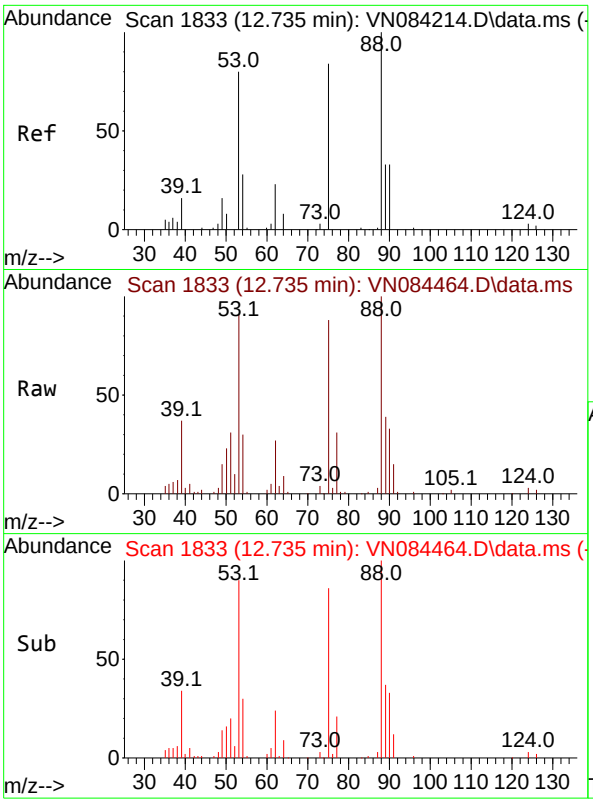


#80
1,3,5-Trimethylbenzene
Concen: 53.702 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:105 Resp: 433774

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.7	71.1

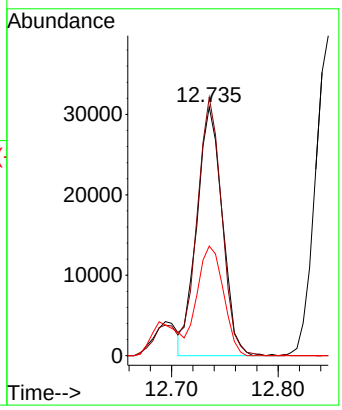




#81
trans-1,4-Dichloro-2-butene
Concen: 46.491 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 5137

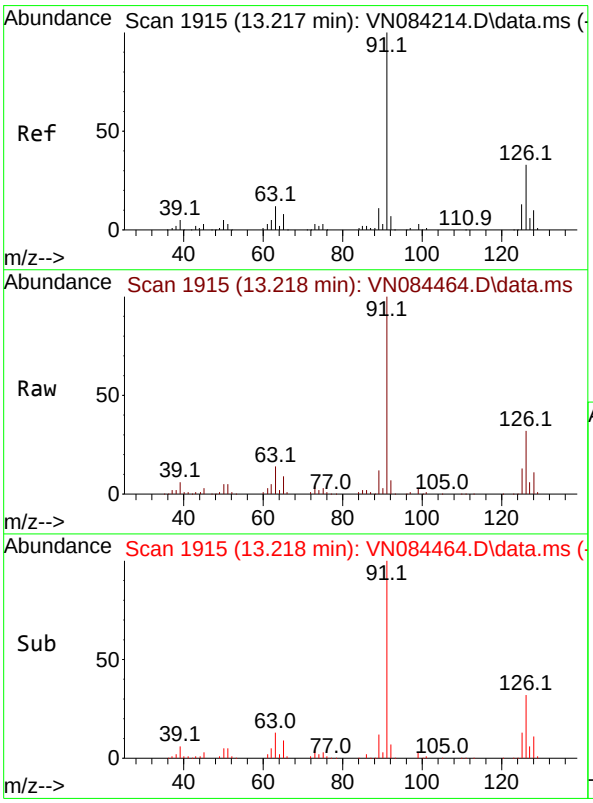
Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.0	117.0
89	45.1	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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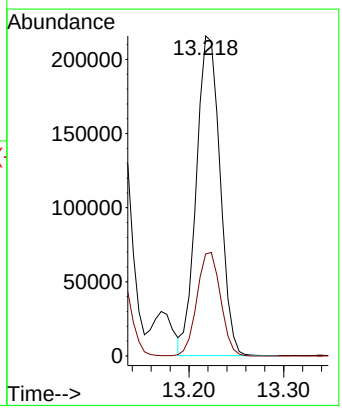
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

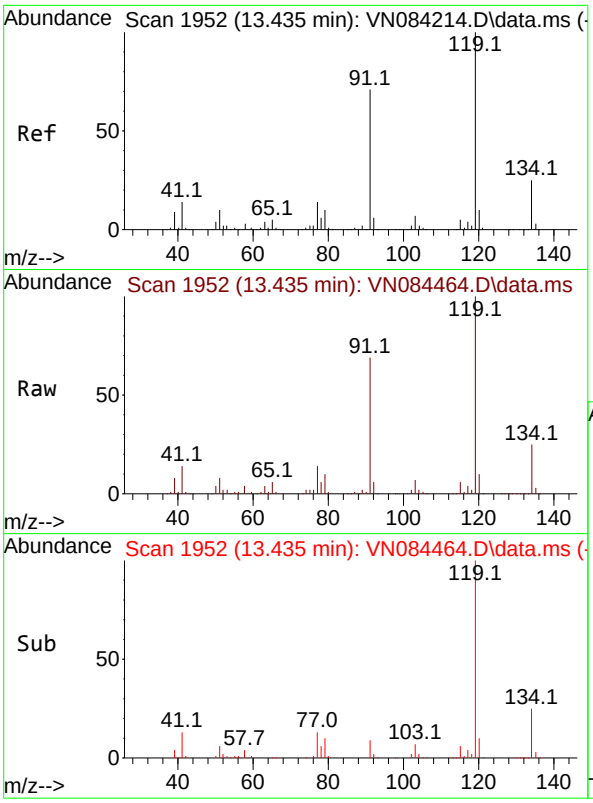


#82
4-Chlorotoluene
Concen: 50.863 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 91 Resp: 374840

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

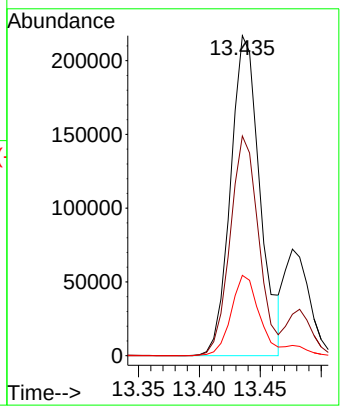




#83
tert-Butylbenzene
Concen: 50.918 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:119 Resp: 36555

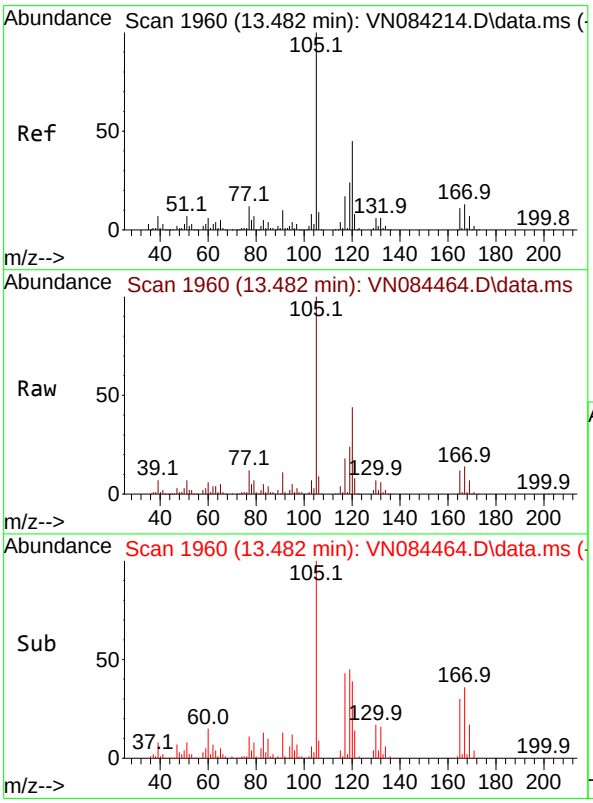
Ion	Ratio	Lower	Upper
119	100		
91	66.6	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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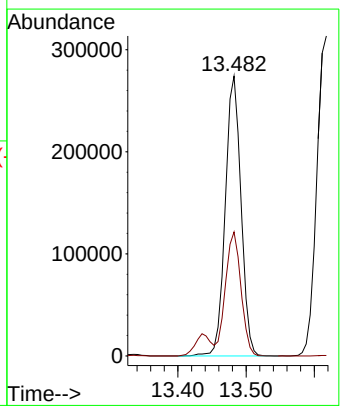
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

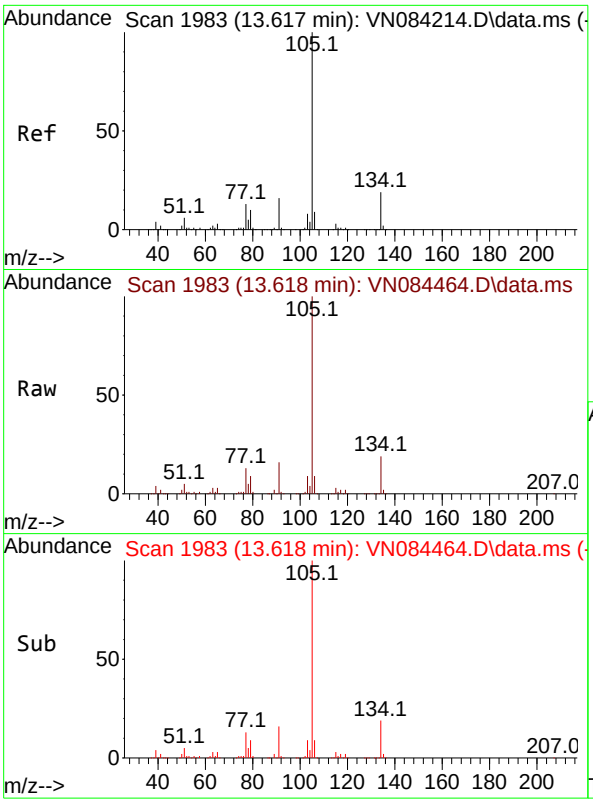


#84
1,2,4-Trimethylbenzene
Concen: 54.070 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:105 Resp: 439968

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8

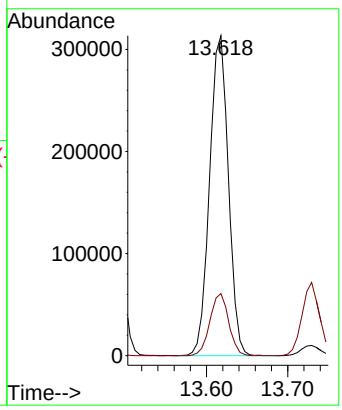




#85
sec-Butylbenzene
Concen: 52.640 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:105 Resp: 50429

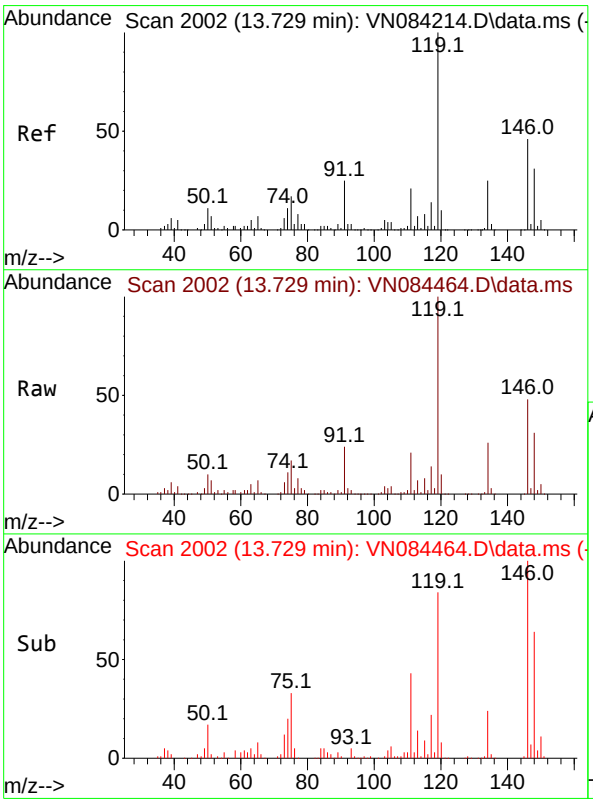
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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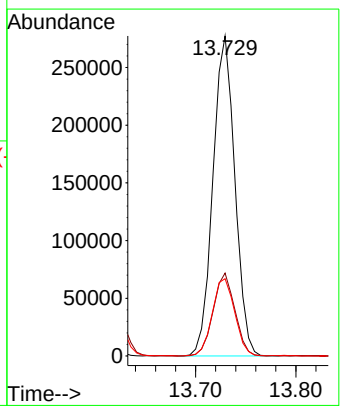
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

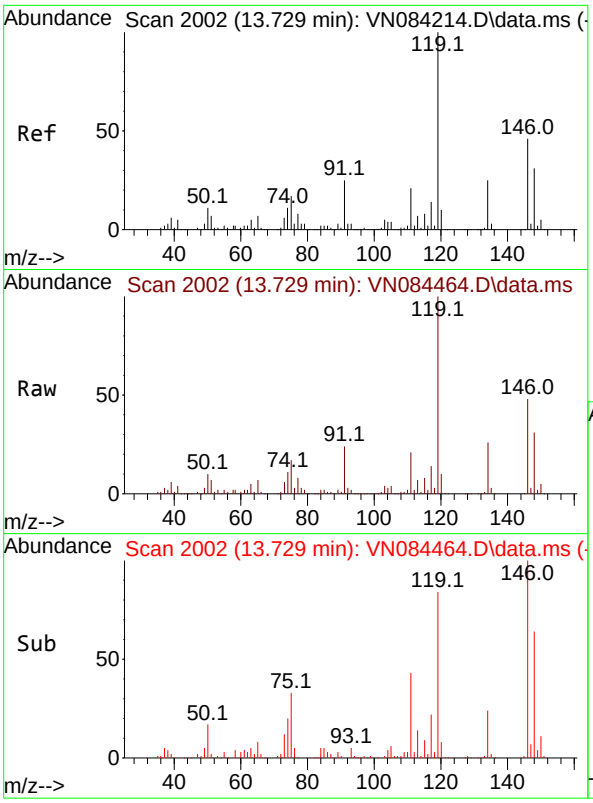


#86
p-Isopropyltoluene
Concen: 53.246 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:119 Resp: 421808

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	24.8	12.4	37.2

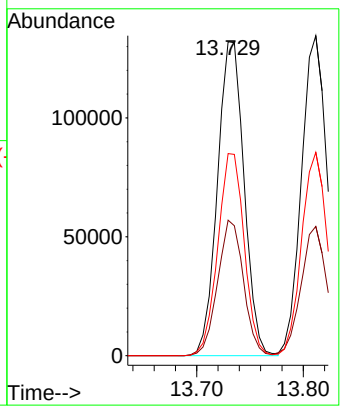




#87
1,3-Dichlorobenzene
Concen: 51.222 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:146 Resp: 22952

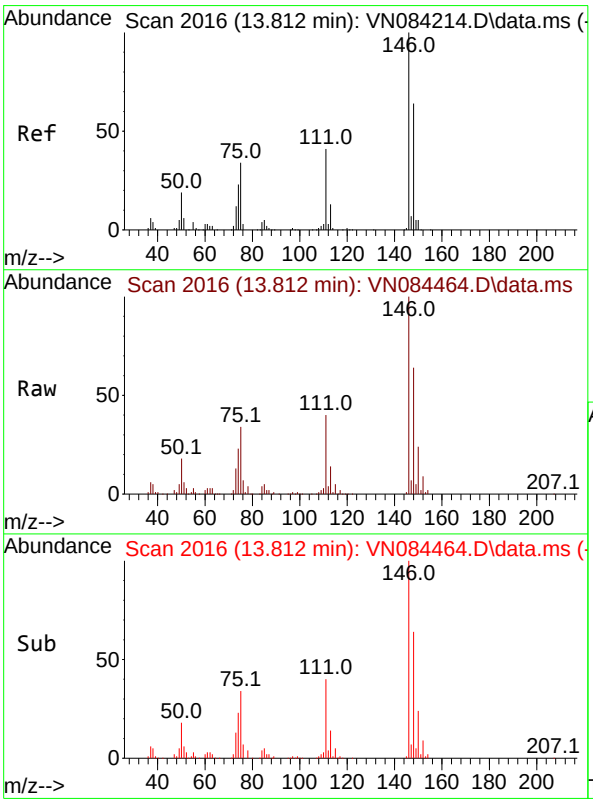
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.3
148	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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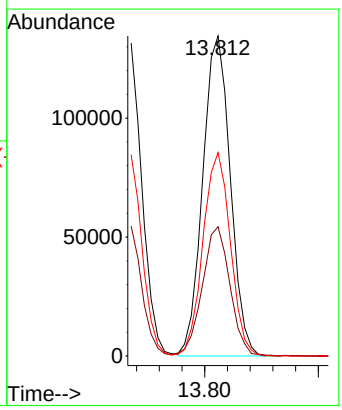
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

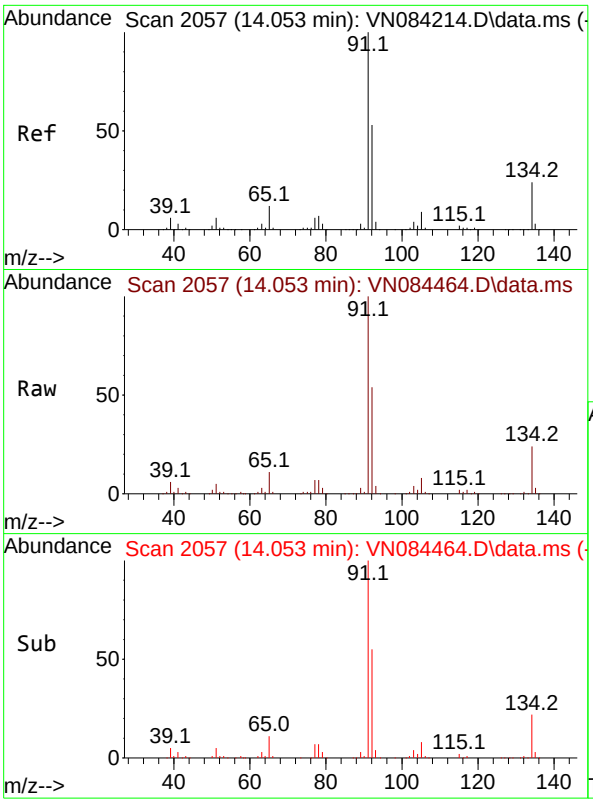


#88
1,4-Dichlorobenzene
Concen: 50.147 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:146 Resp: 226918

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.2	63.6
148	63.2	31.9	95.9





#89
n-Butylbenzene
Concen: 49.759 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

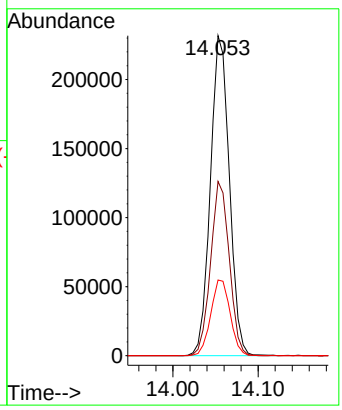
Tgt Ion: 91 Resp: 35743

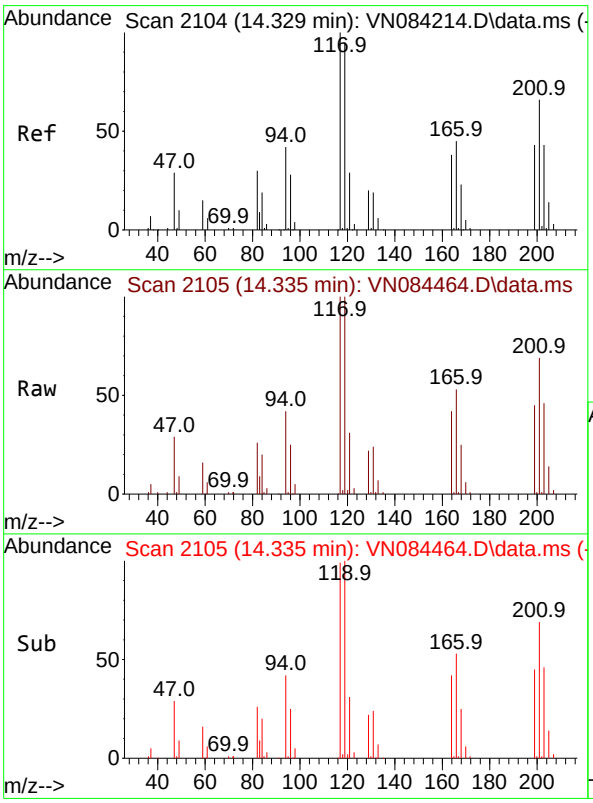
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	24.2	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

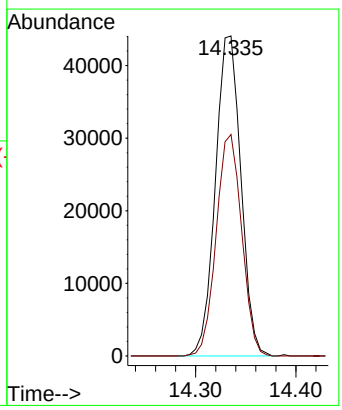


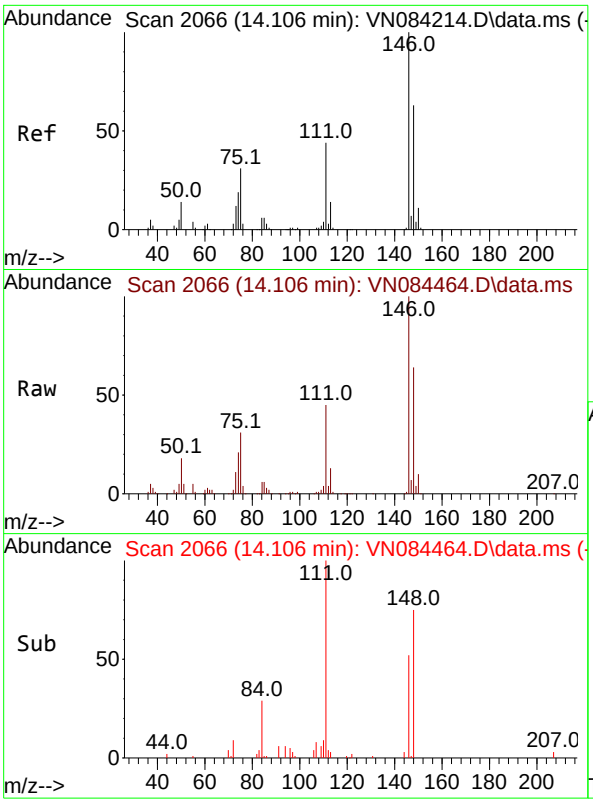


#90
Hexachloroethane
Concen: 48.312 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:117 Resp: 77686

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2

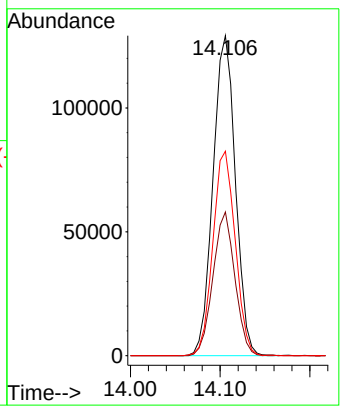




#91
1,2-Dichlorobenzene
Concen: 50.906 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:146 Resp: 22366

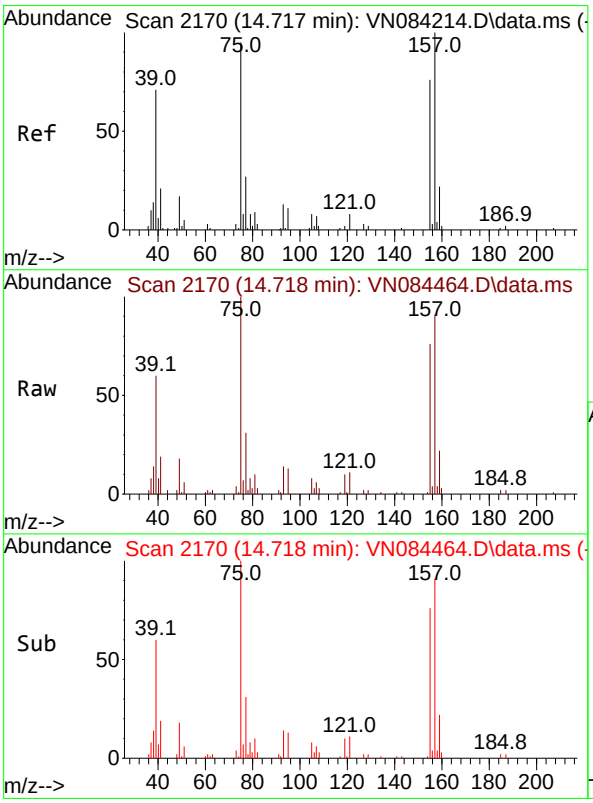
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

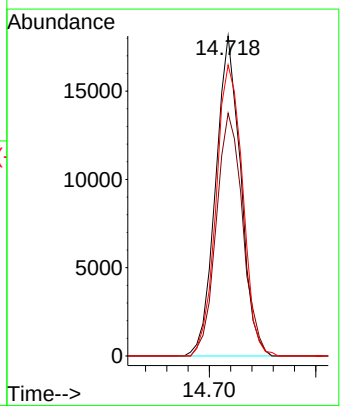
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

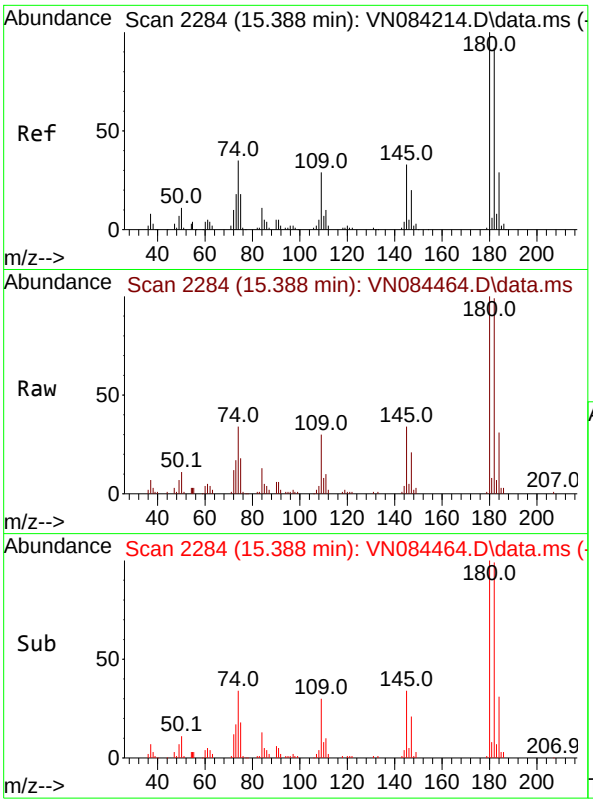


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.080 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 29542

Ion	Ratio	Lower	Upper
75	100		
155	80.1	38.1	114.5
157	96.2	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 48.951 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

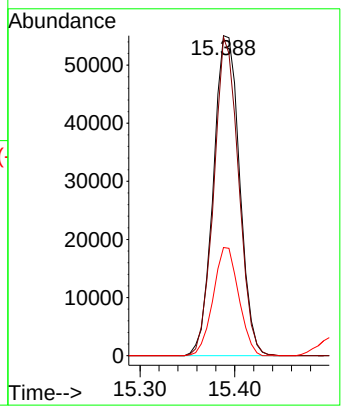
Tgt Ion:180 Resp: 10593

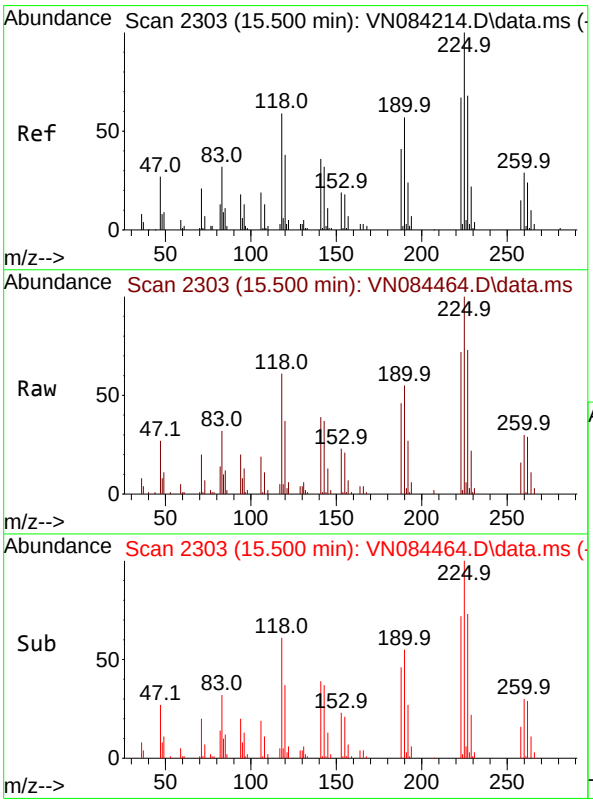
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.0	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

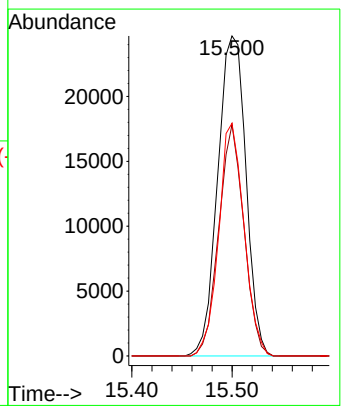


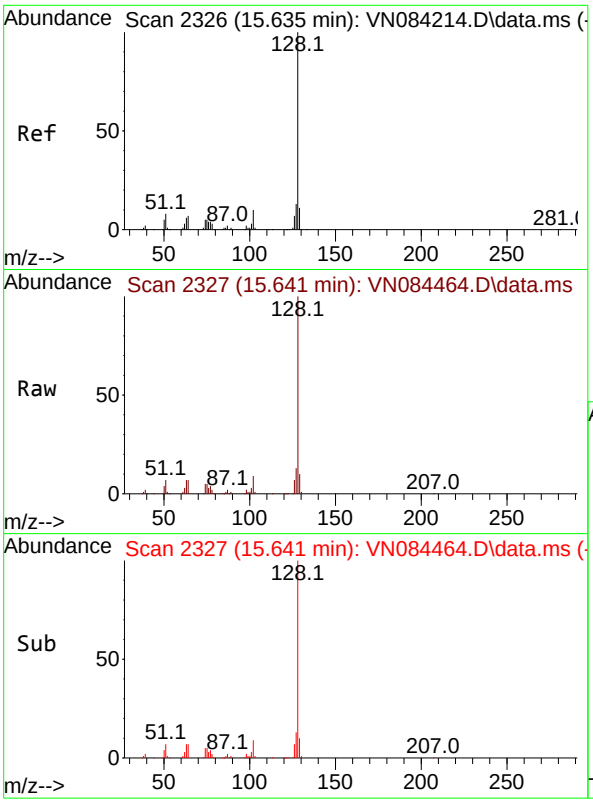


#94
Hexachlorobutadiene
Concen: 44.635 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:225 Resp: 48172

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.4	97.2
227	65.4	32.4	97.0

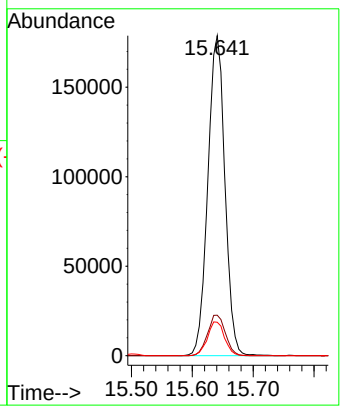




#95
Naphthalene
Concen: 48.506 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:128 Resp: 34800

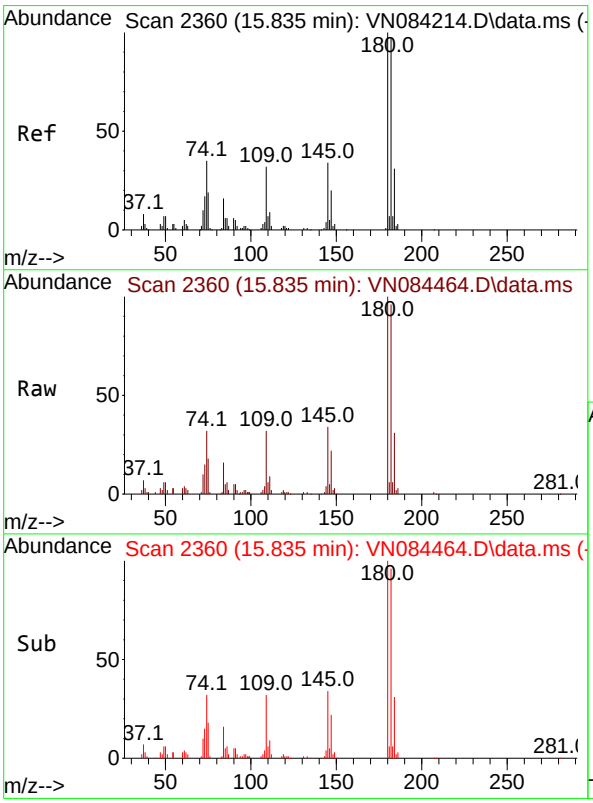
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

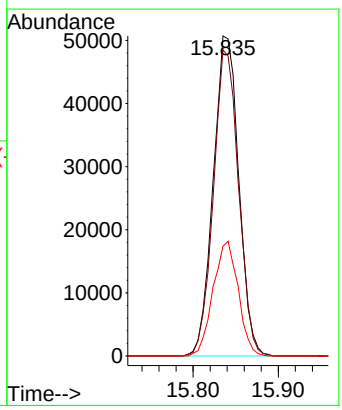
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.551 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:180 Resp: 105176

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.2	144.6
145	35.3	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 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	0.475	19.6	73	0.00
3	P	Chloromethane	0.675	0.600	11.1	84	0.00
4	C	Vinyl Chloride	0.654	0.610	6.7#	86	0.00
5	T	Bromomethane	0.431	0.368	14.6	80	-0.02
6	T	Chloroethane	0.468	0.401	14.3	90	-0.01
7	T	Trichlorofluoromethane	1.019	1.030	-1.1	91	0.00
8	T	Diethyl Ether	0.378	0.383	-1.3	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.590	-1.0	94	0.00
10	T	Methyl Iodide	0.752	0.765	-1.7	89	0.00
11	T	Tert butyl alcohol	0.122	0.109	10.7	83	0.00
12	CM	1,1-Dichloroethene	0.563	0.581	-3.2#	93	0.00
13	T	Acrolein	0.140	0.126	10.0	83	0.00
14	T	Allyl chloride	0.978	0.903	7.7	85	0.00
15	T	Acrylonitrile	0.309	0.324	-4.9	96	0.00
16	T	Acetone	0.318	0.265	16.7	73	0.00
17	T	Carbon Disulfide	1.782	1.625	8.8	88	0.00
18	T	Methyl Acetate	0.694	0.717	-3.3	95	0.01
19	T	Methyl tert-butyl Ether	1.900	1.968	-3.6	91	0.00
20	T	Methylene Chloride	0.647	0.678	-4.8	97	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.615	-4.2	93	0.00
22	T	Diisopropyl ether	2.022	2.113	-4.5	91	0.00
23	T	Vinyl Acetate	1.500	1.592	-6.1	90	0.00
24	P	1,1-Dichloroethane	1.131	1.199	-6.0	94	0.00
25	T	2-Butanone	0.434	0.421	3.0	87	0.00
26	T	2,2-Dichloropropane	1.020	0.942	7.6	82	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.748	-4.9	95	0.00
28	T	Bromochloromethane	0.505	0.489	3.2	93	0.00
29	T	Tetrahydrofuran	0.268	0.279	-4.1	92	0.00
30	C	Chloroform	1.175	1.260	-7.2#	98	0.00
31	T	Cyclohexane	1.098	1.067	2.8	94	0.00
32	T	1,1,1-Trichloroethane	1.055	1.120	-6.2	95	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.738	0.4	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.330	0.346	-4.8	100	0.00
36	T	1,1-Dichloropropene	0.479	0.498	-4.0	91	0.00
37	T	Ethyl Acetate	0.491	0.504	-2.6	93	0.00
38	T	Carbon Tetrachloride	0.525	0.554	-5.5	94	0.00
39	T	Methylcyclohexane	0.533	0.546	-2.4	87	0.00
40	TM	Benzene	1.492	1.588	-6.4	95	0.00
41	T	Methacrylonitrile	0.267	0.277	-3.7	90	0.00
42	TM	1,2-Dichloroethane	0.506	0.538	-6.3	95	0.00
43	T	Isopropyl Acetate	0.962	0.924	4.0	96	0.00
44	TM	Trichloroethene	0.348	0.360	-3.4	93	0.00
45	C	1,2-Dichloropropane	0.353	0.386	-9.3#	96	0.00
46	T	Dibromomethane	0.238	0.271	-13.9	97	0.00
47	T	Bromodichloromethane	0.529	0.584	-10.4	98	0.00
48	T	Methyl methacrylate	0.383	0.406	-6.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	95	0.00
50	S	Toluene-d8	1.213	1.258	-3.7	94	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.515	-10.0	94	0.00
52	CM	Toluene	0.910	1.002	-10.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.539	0.580	-7.6	92	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.632	-9.0	92	0.00
55	T	1,1,2-Trichloroethane	0.326	0.365	-12.0	97	0.00
56	T	Ethyl methacrylate	0.537	0.606	-12.8	94	0.00
57	T	1,3-Dichloropropane	0.583	0.634	-8.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.251	-0.8	84	0.00
59	T	2-Hexanone	0.349	0.380	-8.9	92	0.00
60	T	Dibromochloromethane	0.385	0.436	-13.2	97	0.00
61	T	1,2-Dibromoethane	0.339	0.371	-9.4	97	0.00
62	S	4-Bromofluorobenzene	0.442	0.470	-6.3	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.348	0.357	-2.6	97	0.00
65	PM	Chlorobenzene	1.109	1.168	-5.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.414	-8.4	99	0.00
67	C	Ethyl Benzene	1.961	2.096	-6.9#	96	0.00
68	T	m/p-Xylenes	0.725	0.809	-11.6	97	0.00
69	T	o-Xylene	0.686	0.772	-12.5	97	0.00
70	T	Styrene	1.162	1.331	-14.5	98	0.00
71	P	Bromoform	0.281	0.323	-14.9	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.815	3.895	-2.1	96	0.00
74	T	N-amyl acetate	1.728	1.699	1.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.175	-2.4	101	0.00
76	T	1,2,3-Trichloropropane	1.021	0.971	4.9	88	0.00
77	T	Bromobenzene	0.920	0.944	-2.6	101	0.00
78	T	n-propylbenzene	4.421	4.619	-4.5	96	0.00
79	T	2-Chlorotoluene	2.821	2.830	-0.3	95	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.343	-7.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.396	7.0	89	0.00
82	T	4-Chlorotoluene	2.840	2.889	-1.7	97	0.00
83	T	tert-Butylbenzene	2.766	2.817	-1.8	95	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.391	-8.2	98	0.00
85	T	sec-Butylbenzene	3.691	3.886	-5.3	95	0.00
86	T	p-Isopropyltoluene	3.052	3.251	-6.5	94	0.00
87	T	1,3-Dichlorobenzene	1.727	1.769	-2.4	101	0.00
88	T	1,4-Dichlorobenzene	1.744	1.749	-0.3	100	0.00
89	T	n-Butylbenzene	2.768	2.754	0.5	91	0.00
90	T	Hexachloroethane	0.620	0.599	3.4	95	0.00
91	T	1,2-Dichlorobenzene	1.693	1.724	-1.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	97	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.816	2.2	89	0.00
94	T	Hexachlorobutadiene	0.416	0.371	10.8	95	0.00
95	T	Naphthalene	2.764	2.682	3.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 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	0.811	2.9	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 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	40.150	19.7	73	0.00
3	P	Chloromethane	50.000	44.455	11.1	84	0.00
4	C	Vinyl Chloride	50.000	46.656	6.7#	86	0.00
5	T	Bromomethane	50.000	42.694	14.6	80	-0.02
6	T	Chloroethane	50.000	42.838	14.3	90	-0.01
7	T	Trichlorofluoromethane	50.000	50.562	-1.1	91	0.00
8	T	Diethyl Ether	50.000	50.626	-1.3	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.565	-1.1	94	0.00
10	T	Methyl Iodide	50.000	50.904	-1.8	89	0.00
11	T	Tert butyl alcohol	250.000	221.946	11.2	83	0.00
12	CM	1,1-Dichloroethene	50.000	51.573	-3.1#	93	0.00
13	T	Acrolein	250.000	224.751	10.1	83	0.00
14	T	Allyl chloride	50.000	46.181	7.6	85	0.00
15	T	Acrylonitrile	250.000	262.567	-5.0	96	0.00
16	T	Acetone	250.000	208.362	16.7	73	0.00
17	T	Carbon Disulfide	50.000	45.577	8.8	88	0.00
18	T	Methyl Acetate	50.000	51.658	-3.3	95	0.01
19	T	Methyl tert-butyl Ether	50.000	51.785	-3.6	91	0.00
20	T	Methylene Chloride	50.000	52.394	-4.8	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.154	-4.3	93	0.00
22	T	Diisopropyl ether	50.000	52.237	-4.5	91	0.00
23	T	Vinyl Acetate	250.000	265.286	-6.1	90	0.00
24	P	1,1-Dichloroethane	50.000	53.012	-6.0	94	0.00
25	T	2-Butanone	250.000	242.901	2.8	87	0.00
26	T	2,2-Dichloropropane	50.000	46.170	7.7	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.449	-4.9	95	0.00
28	T	Bromochloromethane	50.000	48.502	3.0	93	0.00
29	T	Tetrahydrofuran	250.000	260.658	-4.3	92	0.00
30	C	Chloroform	50.000	53.621	-7.2#	98	0.00
31	T	Cyclohexane	50.000	48.574	2.9	94	0.00
32	T	1,1,1-Trichloroethane	50.000	53.058	-6.1	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.801	0.4	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	52.526	-5.1	100	0.00
36	T	1,1-Dichloropropene	50.000	52.000	-4.0	91	0.00
37	T	Ethyl Acetate	50.000	51.256	-2.5	93	0.00
38	T	Carbon Tetrachloride	50.000	52.719	-5.4	94	0.00
39	T	Methylcyclohexane	50.000	51.186	-2.4	87	0.00
40	TM	Benzene	50.000	53.237	-6.5	95	0.00
41	T	Methacrylonitrile	50.000	51.960	-3.9	90	0.00
42	TM	1,2-Dichloroethane	50.000	53.226	-6.5	95	0.00
43	T	Isopropyl Acetate	50.000	48.029	3.9	96	0.00
44	TM	Trichloroethene	50.000	51.623	-3.2	93	0.00
45	C	1,2-Dichloropropane	50.000	54.645	-9.3#	96	0.00
46	T	Dibromomethane	50.000	56.984	-14.0	97	0.00
47	T	Bromodichloromethane	50.000	55.217	-10.4	98	0.00
48	T	Methyl methacrylate	50.000	52.966	-5.9	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 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	1058.308	-5.8	95	0.00
50	S	Toluene-d8	50.000	51.864	-3.7	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.291	-10.1	94	0.00
52	CM	Toluene	50.000	55.055	-10.1#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	53.730	-7.5	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.433	-8.9	92	0.00
55	T	1,1,2-Trichloroethane	50.000	55.954	-11.9	97	0.00
56	T	Ethyl methacrylate	50.000	56.428	-12.9	94	0.00
57	T	1,3-Dichloropropane	50.000	54.404	-8.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	252.296	-0.9	84	0.00
59	T	2-Hexanone	250.000	271.707	-8.7	92	0.00
60	T	Dibromochloromethane	50.000	56.595	-13.2	97	0.00
61	T	1,2-Dibromoethane	50.000	54.782	-9.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	53.166	-6.3	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	51.295	-2.6	97	0.00
65	PM	Chlorobenzene	50.000	52.686	-5.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.273	-8.5	99	0.00
67	C	Ethyl Benzene	50.000	53.458	-6.9#	96	0.00
68	T	m/p-Xylenes	100.000	111.613	-11.6	97	0.00
69	T	o-Xylene	50.000	56.237	-12.5	97	0.00
70	T	Styrene	50.000	57.255	-14.5	98	0.00
71	P	Bromoform	50.000	57.382	-14.8	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	51.046	-2.1	96	0.00
74	T	N-amyl acetate	50.000	49.173	1.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.213	-2.4	101	0.00
76	T	1,2,3-Trichloropropane	50.000	47.550	4.9	88	0.00
77	T	Bromobenzene	50.000	51.291	-2.6	101	0.00
78	T	n-propylbenzene	50.000	52.243	-4.5	96	0.00
79	T	2-Chlorotoluene	50.000	50.163	-0.3	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.702	-7.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.491	7.0	89	0.00
82	T	4-Chlorotoluene	50.000	50.863	-1.7	97	0.00
83	T	tert-Butylbenzene	50.000	50.918	-1.8	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.070	-8.1	98	0.00
85	T	sec-Butylbenzene	50.000	52.640	-5.3	95	0.00
86	T	p-Isopropyltoluene	50.000	53.246	-6.5	94	0.00
87	T	1,3-Dichlorobenzene	50.000	51.222	-2.4	101	0.00
88	T	1,4-Dichlorobenzene	50.000	50.147	-0.3	100	0.00
89	T	n-Butylbenzene	50.000	49.759	0.5	91	0.00
90	T	Hexachloroethane	50.000	48.312	3.4	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.906	-1.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.080	3.8	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.951	2.1	89	0.00
94	T	Hexachlorobutadiene	50.000	44.635	10.7	95	0.00
95	T	Naphthalene	50.000	48.506	3.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 23 01:33:12 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	48.551	2.9	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

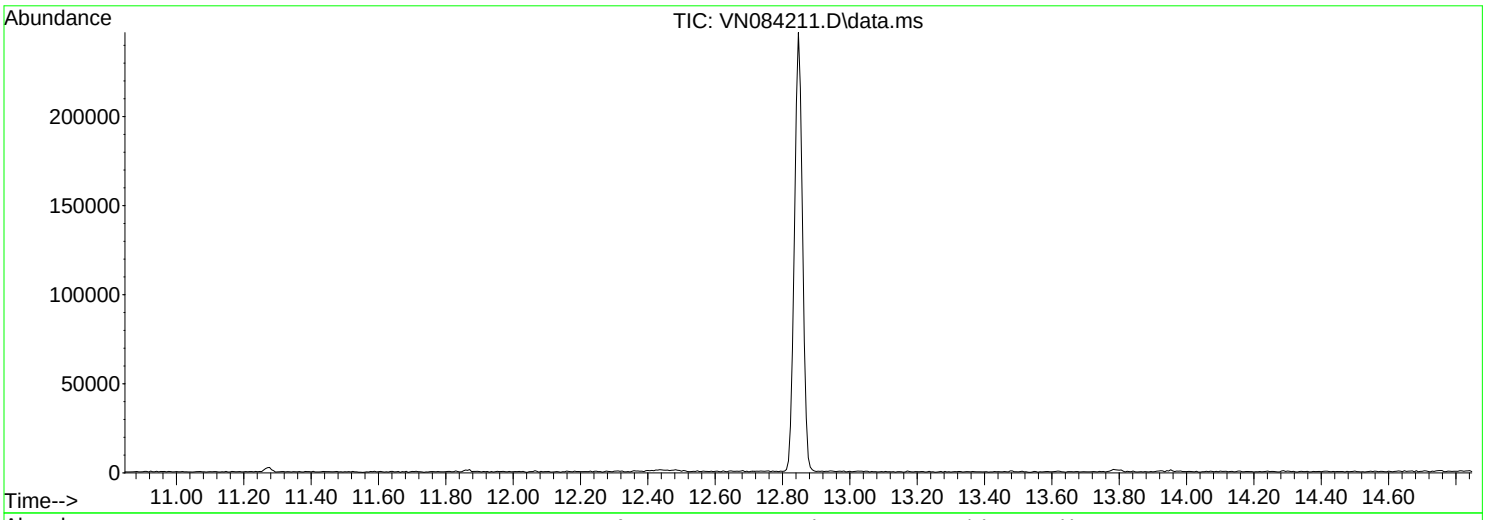
QC SAMPLE DATA

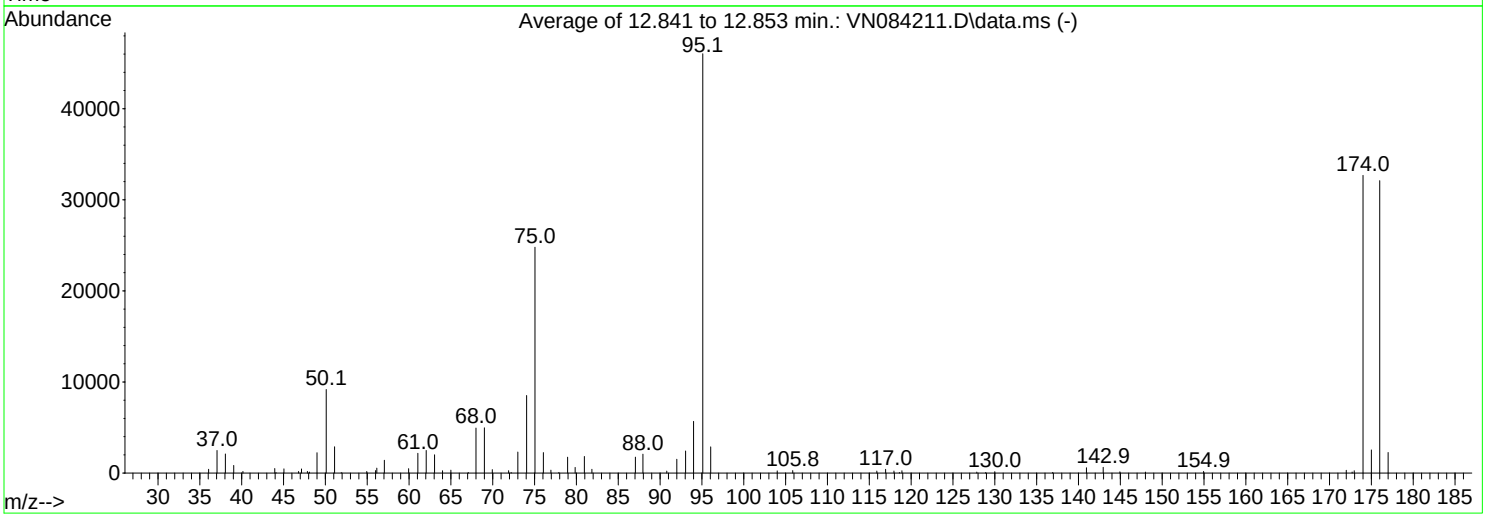
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084211.D
Acq On : 30 Sep 2024 09:24
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

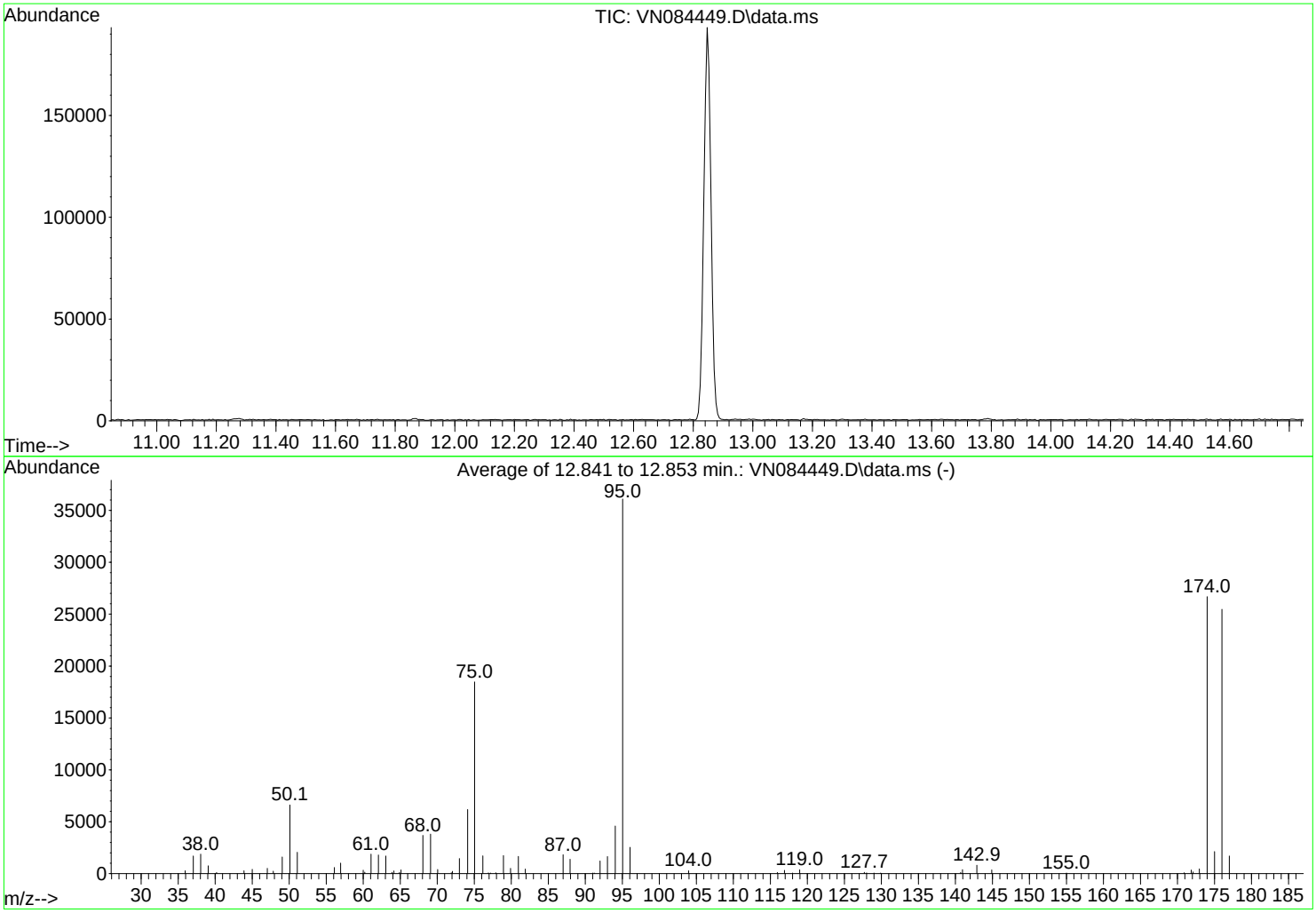
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	9177	PASS
75	95	30	60	53.9	24795	PASS
95	95	100	100	100.0	46040	PASS
96	95	5	9	6.3	2879	PASS
173	174	0.00	2	0.8	259	PASS
174	95	50	100	71.0	32685	PASS
175	174	5	9	7.8	2541	PASS
176	174	95	101	98.2	32104	PASS
177	176	5	9	7.0	2260	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084449.D
Acq On : 22 Oct 2024 08:33
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	18.3	6621	PASS
75	95	30	60	51.2	18475	PASS
95	95	100	100	100.0	36101	PASS
96	95	5	9	7.0	2529	PASS
173	174	0.00	2	1.7	450	PASS
174	95	50	100	73.9	26696	PASS
175	174	5	9	7.9	2121	PASS
176	174	95	101	95.4	25467	PASS
177	176	5	9	6.7	1699	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:	VN1022WBL01	SDG No.:	P4475
Lab Sample ID:	VN1022WBL01	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
VN084452.D	1		10/22/24 13:38	VN102224

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:	VN1022WBL01	SDG No.:	P4475
Lab Sample ID:	VN1022WBL01	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
VN084452.D	1		10/22/24 13:38	VN102224

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	45.7		81 - 118		91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	196000	8.224				
540-36-3	1,4-Difluorobenzene	326000	9.1				
3114-55-4	Chlorobenzene-d5	277000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	107000	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\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 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	195991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132772	45.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.380%		
35) Dibromofluoromethane	8.165	113	107332	49.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	10.565	98	389764	49.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.600%		
62) 4-Bromofluorobenzene	12.847	95	129594	44.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.000%		

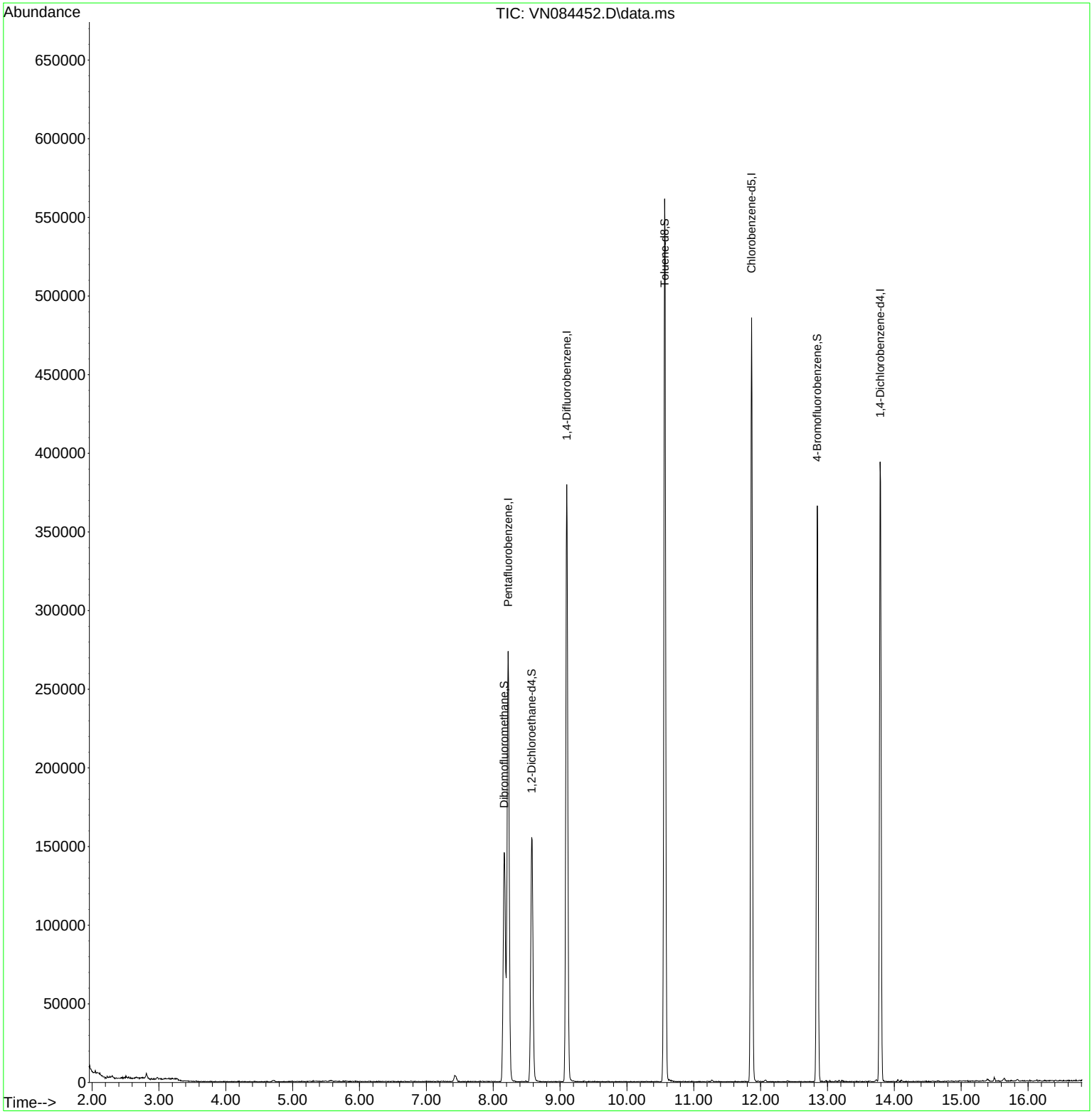
Target Compounds Qvalue

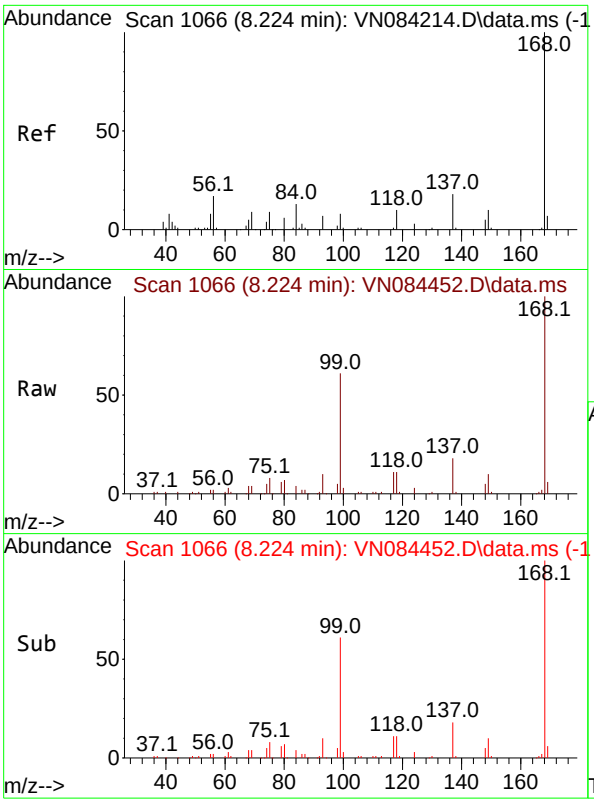
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 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



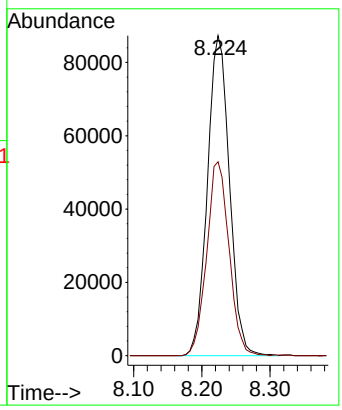


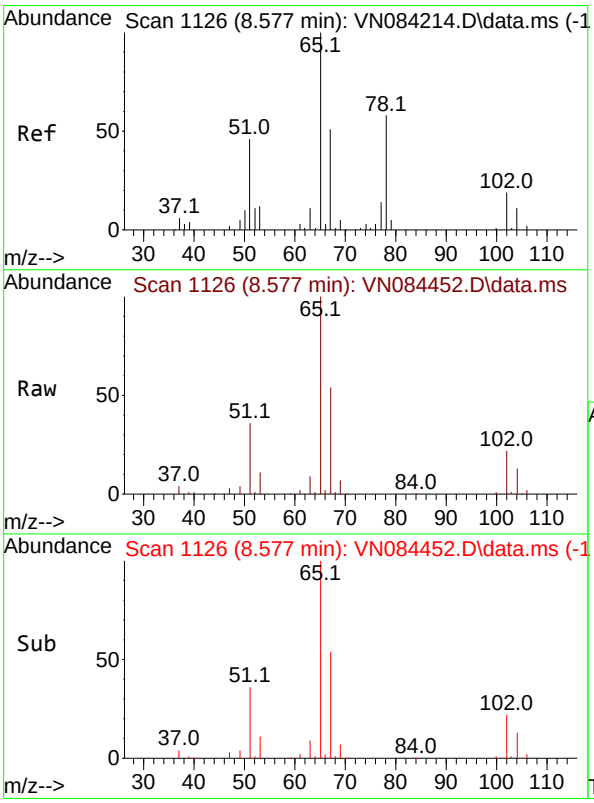
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:168 Resp: 195991

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

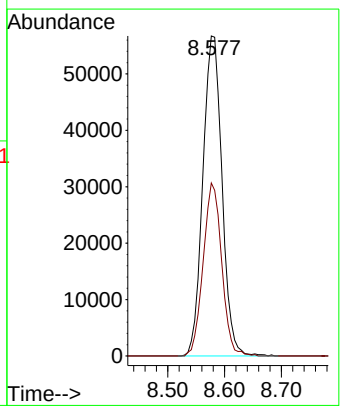


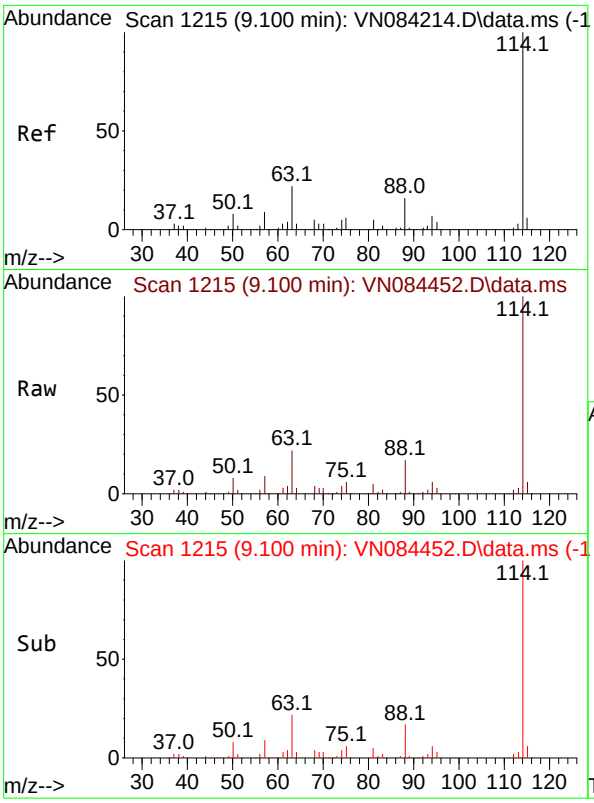


#33
1,2-Dichloroethane-d4
Concen: 45.690 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 65 Resp: 132772

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



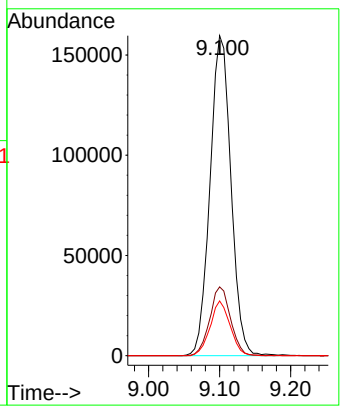


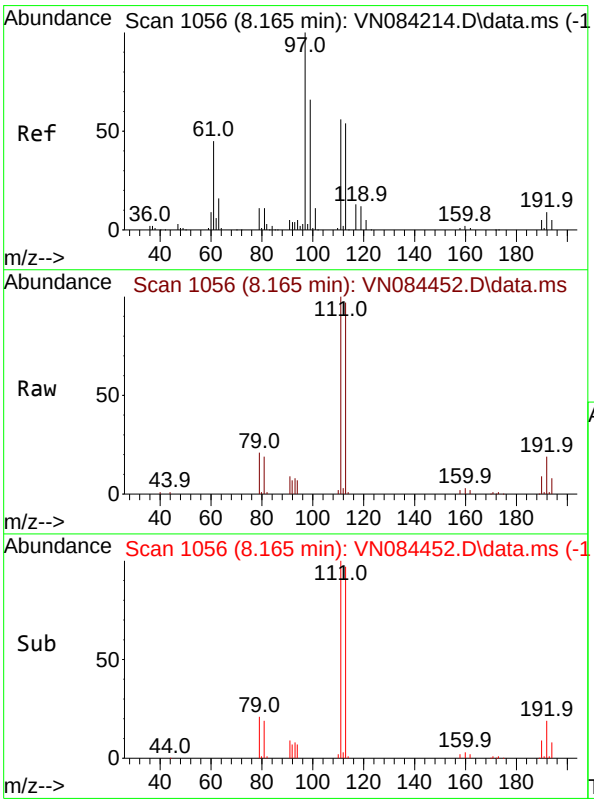
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:114 Resp: 325943

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.1	0.0	31.6

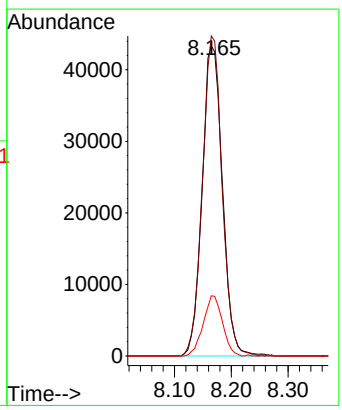


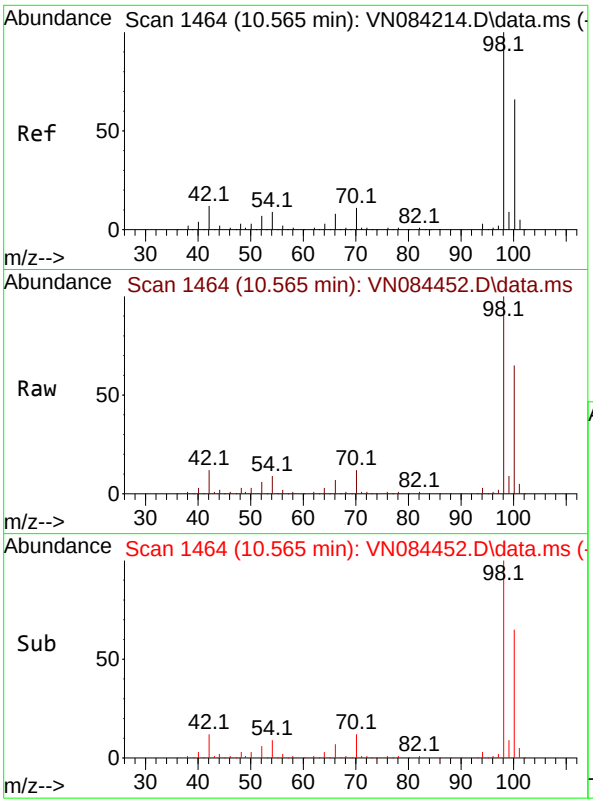


#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:113 Resp: 107332

Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.3	124.9
192	18.4	13.5	20.3



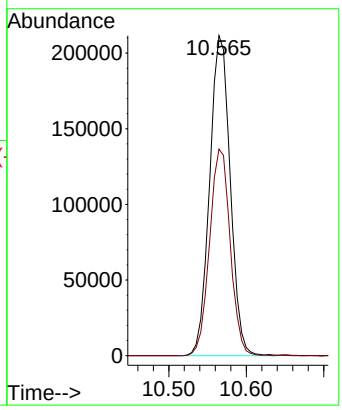


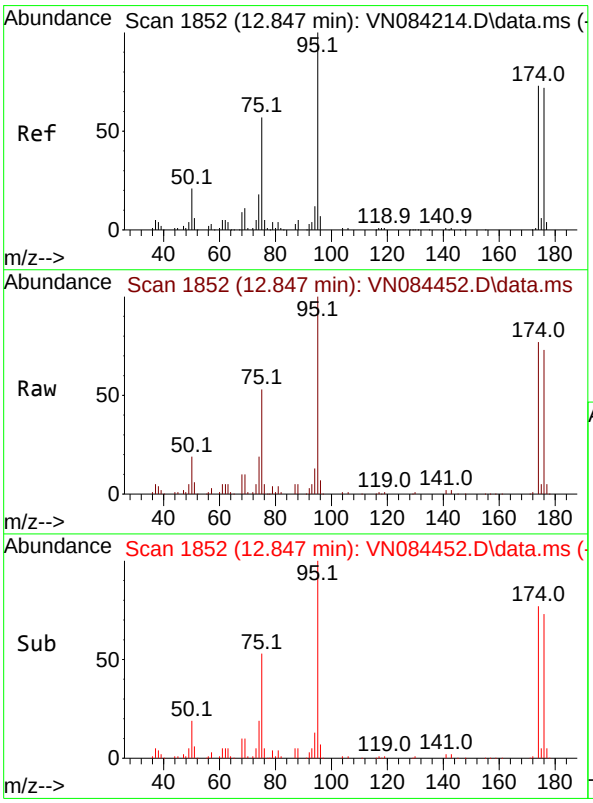
#50
Toluene-d8
Concen: 49.301 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion: 98 Resp: 389764

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

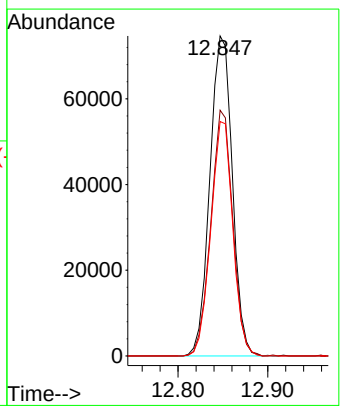


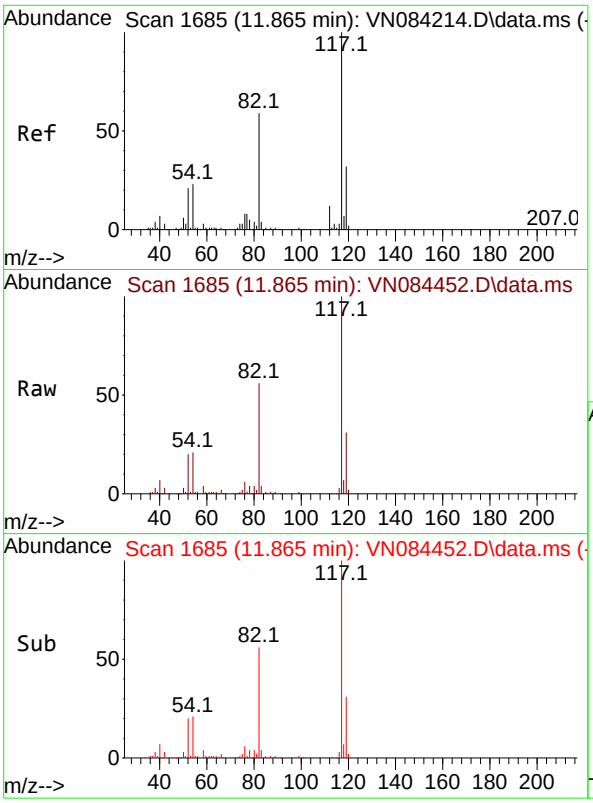


#62
4-Bromofluorobenzene
Concen: 44.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 95 Resp: 129594

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	71.8	0.0	140.0



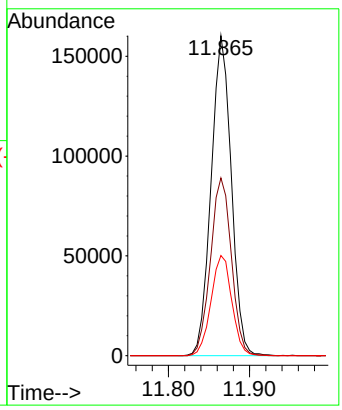


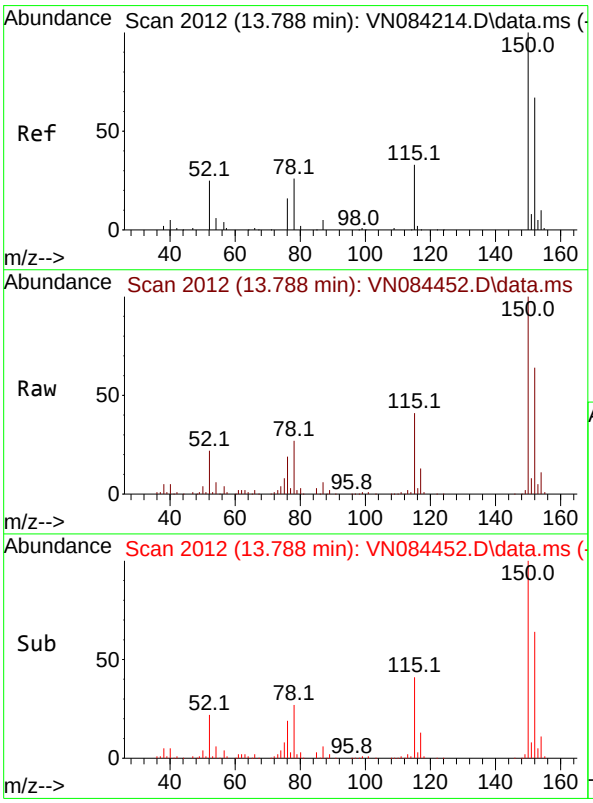
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:117 Resp: 276681

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.2	70.8
119	31.3	25.4	38.0

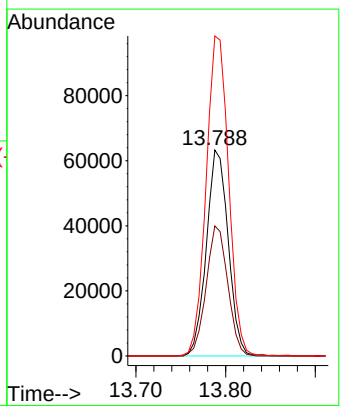




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:152 Resp: 106919

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	160.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

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: VN084452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	925	930	939	rVB3	4058	10392	1.01%	0.197%
2	8.165	1047	1056	1061	rBV	145707	356772	34.53%	6.761%
3	8.224	1061	1066	1079	rVB	273317	596076	57.70%	11.296%
4	8.577	1117	1126	1138	rBV	155561	361118	34.95%	6.843%
5	9.100	1205	1215	1229	rBV	379709	771534	74.68%	14.621%
6	10.565	1455	1464	1476	rBV	561295	1033118	100.00%	19.578%
7	11.865	1677	1685	1696	rBV	485648	855744	82.83%	16.216%
8	12.847	1845	1852	1860	rVB	366318	619619	59.98%	11.742%
9	13.788	2005	2012	2020	rBV	393771	672688	65.11%	12.747%

Sum of corrected areas: 5277061

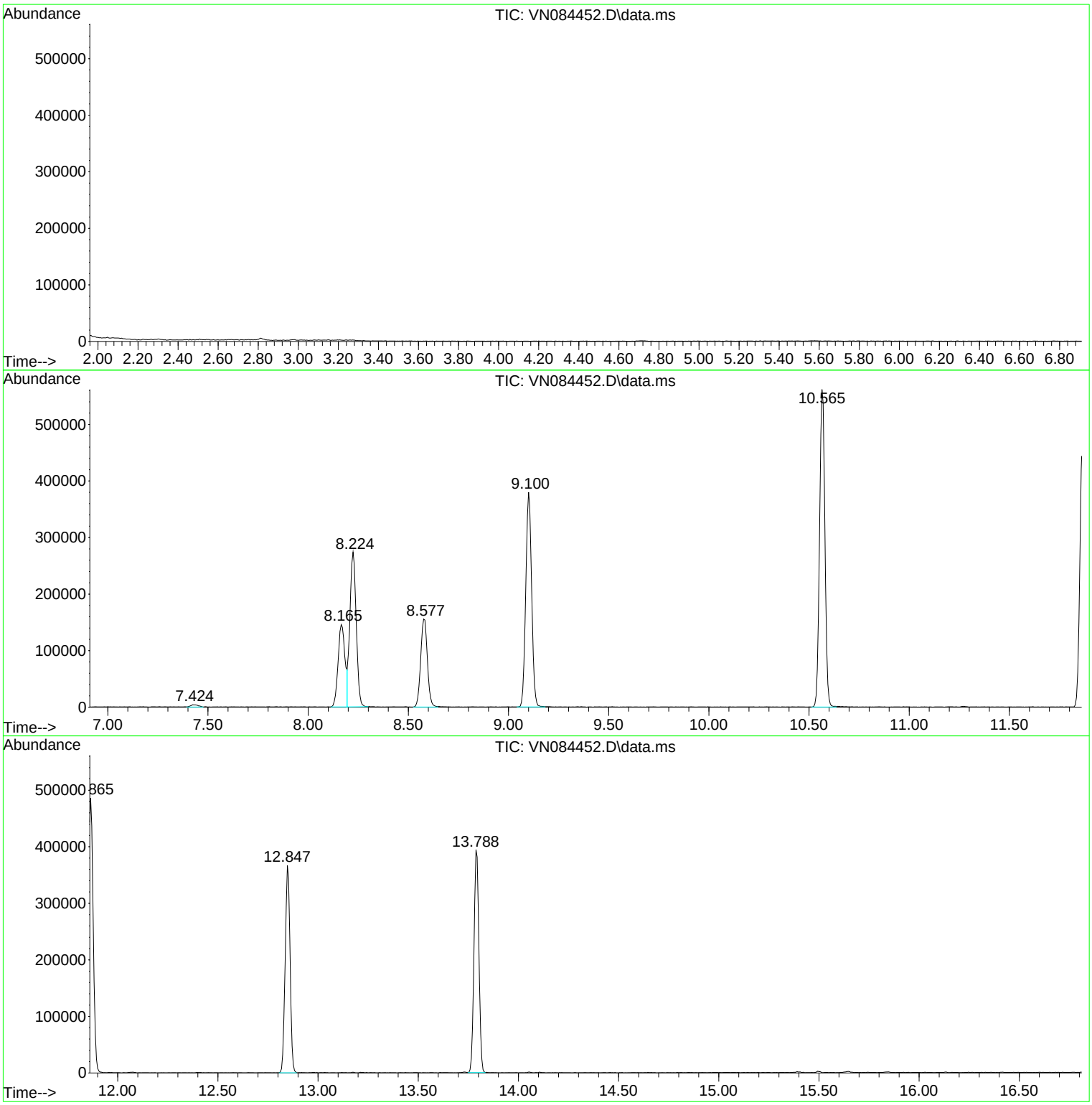
Sample Results: **VN084452.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

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\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

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\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

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:	VN1022WBS01	SDG No.:	P4475
Lab Sample ID:	VN1022WBS01	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
VN084453.D	1		10/22/24 14:01	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.5		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	14.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.3		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	81.7		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.7		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	87.6		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		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	18.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.5		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.7		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.2		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.2		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	91.4		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:	VN1022WBS01	SDG No.:	P4475
Lab Sample ID:	VN1022WBS01	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
VN084453.D	1		10/22/24 14:01	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.6		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.2		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	8.224				
540-36-3	1,4-Difluorobenzene	304000	9.1				
3114-55-4	Chlorobenzene-d5	270000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	132000	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\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 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 :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121628	46.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.320%			
35) Dibromofluoromethane	8.165	113	99350	49.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.565	98	359697	48.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.847	95	131806	49.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	30405	14.464	ug/l	88
3) Chloromethane	2.365	50	38245	15.934	ug/l	92
4) Vinyl Chloride	2.512	62	38348	16.494	ug/l	99
5) Bromomethane	2.953	94	26015	16.964	ug/l	96
6) Chloroethane	3.118	64	24567	14.755	ug/l	93
7) Trichlorofluoromethane	3.494	101	62625	17.298	ug/l	100
8) Diethyl Ether	3.959	74	23561	17.547	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	36860	17.769	ug/l	98
10) Methyl Iodide	4.589	142	46339	17.346	ug/l	99
11) Tert butyl alcohol	5.524	59	34138	78.574	ug/l	100
12) 1,1-Dichloroethene	4.347	96	36354	18.169	ug/l	90
13) Acrolein	4.177	56	28493	57.125	ug/l	99
14) Allyl chloride	5.024	41	57894	16.660	ug/l	96
15) Acrylonitrile	5.724	53	99053	90.281	ug/l	99
16) Acetone	4.430	43	92502	81.724	ug/l	100
17) Carbon Disulfide	4.712	76	103059	16.268	ug/l	100
18) Methyl Acetate	5.024	43	43324	17.561	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	119560	17.704	ug/l	98
20) Methylene Chloride	5.277	84	41973	18.242	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	37752	18.009	ug/l	97
22) Diisopropyl ether	6.671	45	129644	18.037	ug/l	96
23) Vinyl Acetate	6.606	43	460216	86.325	ug/l	100
24) 1,1-Dichloroethane	6.565	63	74312	18.487	ug/l	99
25) 2-Butanone	7.482	43	134974	87.552	ug/l	99
26) 2,2-Dichloropropane	7.488	77	64580	17.819	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46201	18.239	ug/l	97
28) Bromochloromethane	7.818	49	33275	18.553	ug/l	95
29) Tetrahydrofuran	7.841	42	84149	88.450	ug/l	99
30) Chloroform	7.971	83	78076	18.699	ug/l	96
31) Cyclohexane	8.253	56	66769	17.108	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	68084	18.156	ug/l	96
36) 1,1-Dichloropropene	8.371	75	53919	18.511	ug/l	99
37) Ethyl Acetate	7.559	43	53127	17.779	ug/l	99
38) Carbon Tetrachloride	8.365	117	60111	18.813	ug/l	99
39) Methylcyclohexane	9.600	83	56729	17.499	ug/l	98
40) Benzene	8.606	78	169698	18.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 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 :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	28308	17.450	ug/l		98
42) 1,2-Dichloroethane	8.671	62	56388	18.328	ug/l		99
43) Isopropyl Acetate	8.688	43	87191	14.897	ug/l		98
44) Trichloroethene	9.353	130	40177	18.955	ug/l		98
45) 1,2-Dichloropropane	9.623	63	40840	19.023	ug/l		96
46) Dibromomethane	9.706	93	28768	19.857	ug/l		98
47) Bromodichloromethane	9.882	83	61279	19.038	ug/l		91
48) Methyl methacrylate	9.676	41	41050	17.619	ug/l		98
49) 1,4-Dioxane	9.694	88	14851	346.222	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.447	43	262197	92.172	ug/l		99
52) Toluene	10.629	92	106505	19.246	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	61026	18.600	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	64908	18.392	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	40314	20.321	ug/l		92
56) Ethyl methacrylate	10.870	69	59750	18.303	ug/l		95
57) 1,3-Dichloropropane	11.165	76	65745	18.546	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124774	82.396	ug/l		98
59) 2-Hexanone	11.194	43	194266	91.370	ug/l		100
60) Dibromochloromethane	11.359	129	45869	19.568	ug/l		100
61) 1,2-Dibromoethane	11.470	107	39273	19.051	ug/l		100
64) Tetrachloroethene	11.106	164	34680	18.439	ug/l		96
65) Chlorobenzene	11.894	112	111661	18.650	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	38900	18.863	ug/l		99
67) Ethyl Benzene	11.964	91	192042	18.137	ug/l		99
68) m/p-Xylenes	12.070	106	148188	37.836	ug/l		99
69) o-Xylene	12.400	106	70695	19.078	ug/l		98
70) Styrene	12.412	104	120254	19.159	ug/l		98
71) Bromoform	12.576	173	29221	19.246	ug/l	#	96
73) Isopropylbenzene	12.694	105	182230	18.034	ug/l		98
74) N-amyl acetate	12.494	43	76299	16.674	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55947	18.413	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	52772m	19.521	ug/l		
77) Bromobenzene	12.976	156	44866	18.407	ug/l		95
78) n-propylbenzene	13.035	91	213398	18.227	ug/l		99
79) 2-Chlorotoluene	13.123	91	134753	18.038	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	154916	18.794	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21723	19.264	ug/l		87
82) 4-Chlorotoluene	13.217	91	137196	18.243	ug/l		99
83) tert-Butylbenzene	13.435	119	127869	17.454	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	153680	18.508	ug/l		97
85) sec-Butylbenzene	13.617	105	176234	18.027	ug/l		100
86) p-Isopropyltoluene	13.729	119	146590	18.133	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	83239	18.204	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	81325	17.612	ug/l		99
89) n-Butylbenzene	14.053	91	122182	16.668	ug/l		99
90) Hexachloroethane	14.329	117	28246	17.213	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	79655	17.766	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10211	16.285	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36971	16.741	ug/l		99
94) Hexachlorobutadiene	15.500	225	18220	16.544	ug/l		96
95) Naphthalene	15.641	128	109289	14.927	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	36215	16.382	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 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 :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

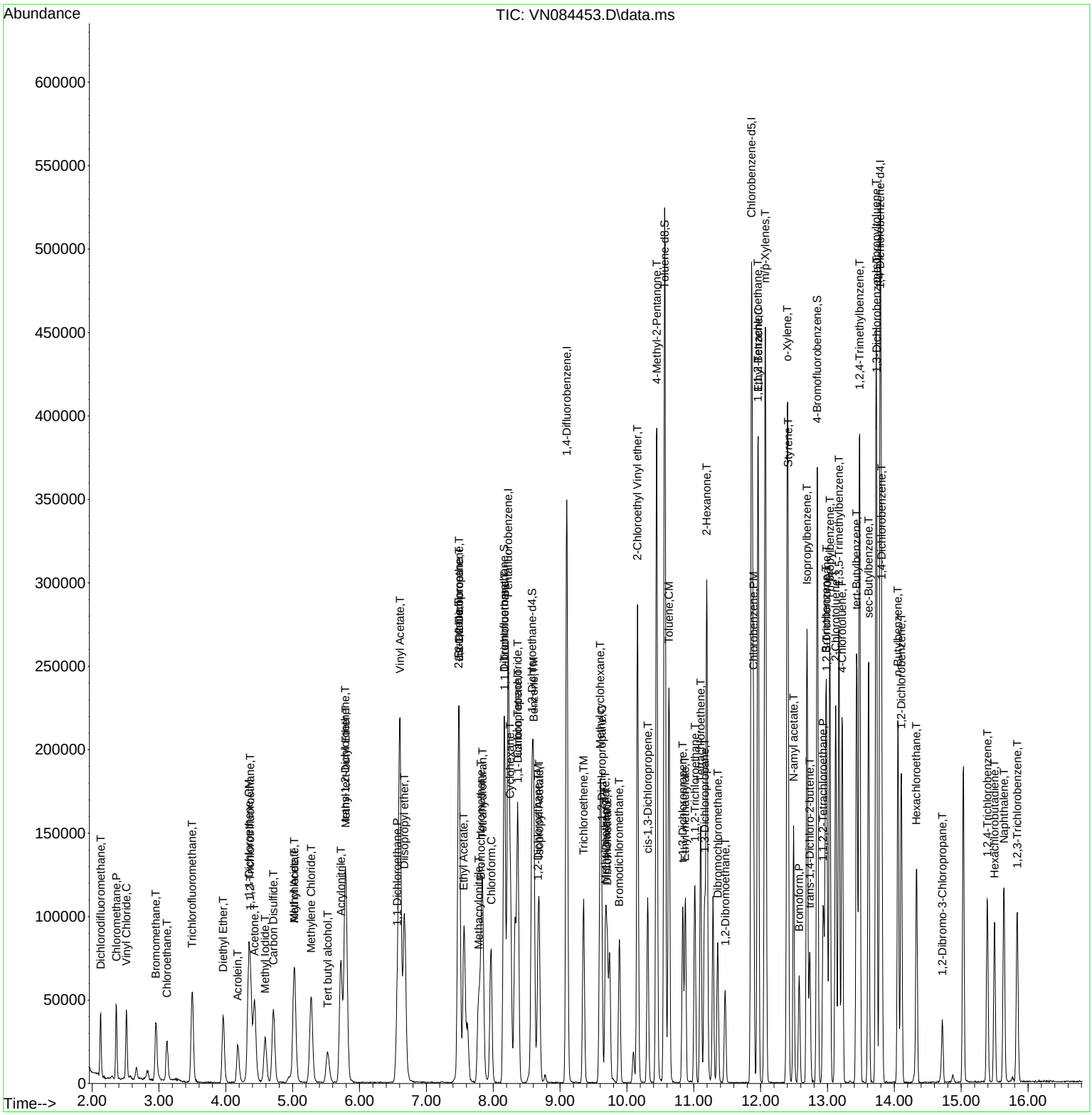
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Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

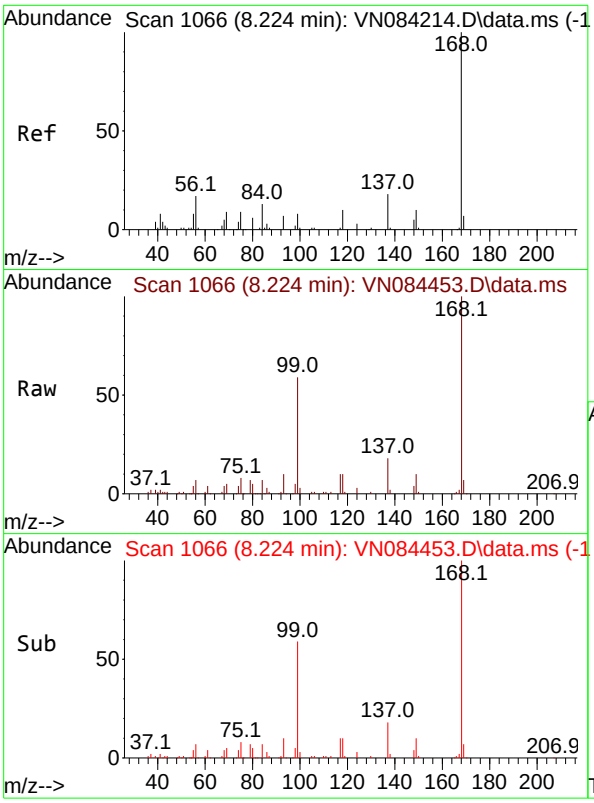
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
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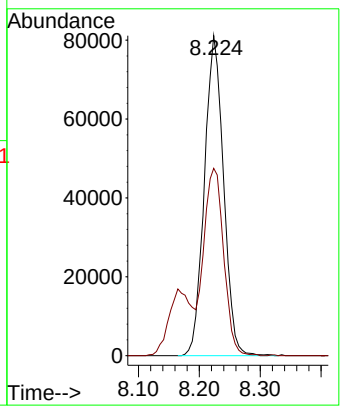




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:168 Resp: 17771

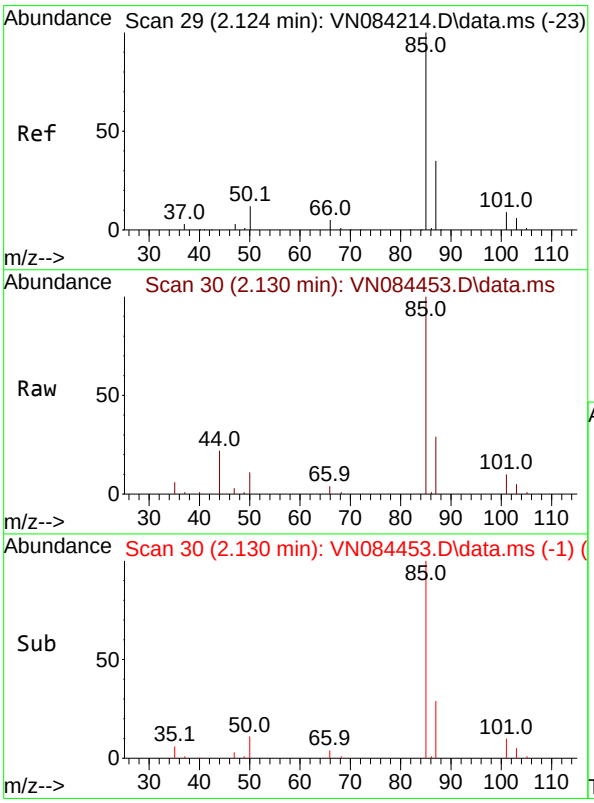
Ion	Ratio	Lower	Upper
168	100		
99	58.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

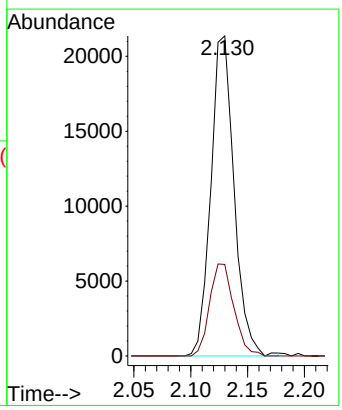
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

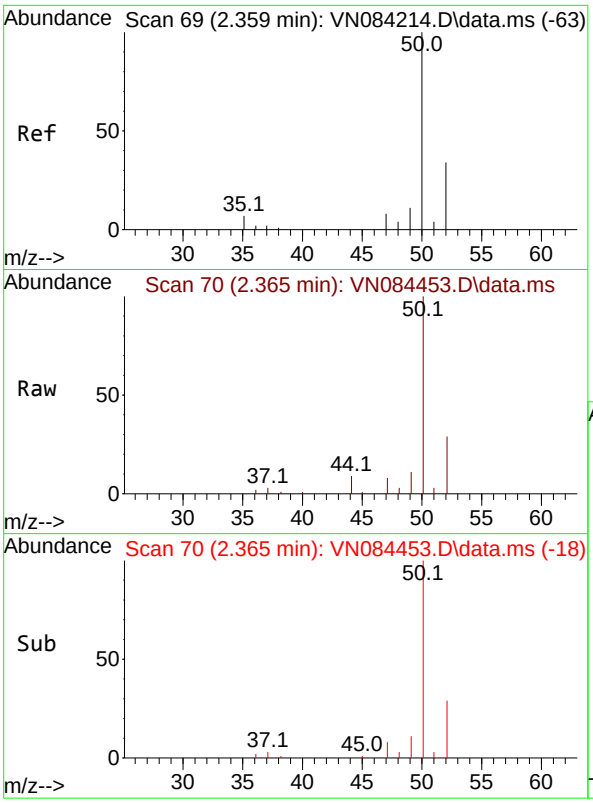


#2
Dichlorodifluoromethane
Concen: 14.464 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 85 Resp: 30405

Ion	Ratio	Lower	Upper
85	100		
87	28.6	17.6	52.9

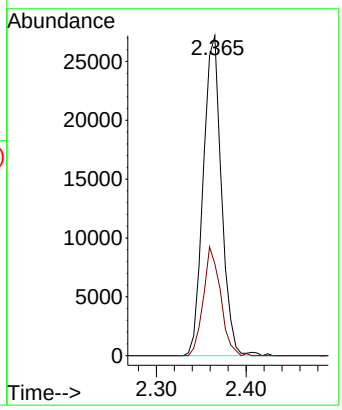




#3
Chloromethane
Concen: 15.934 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 50 Resp: 3824

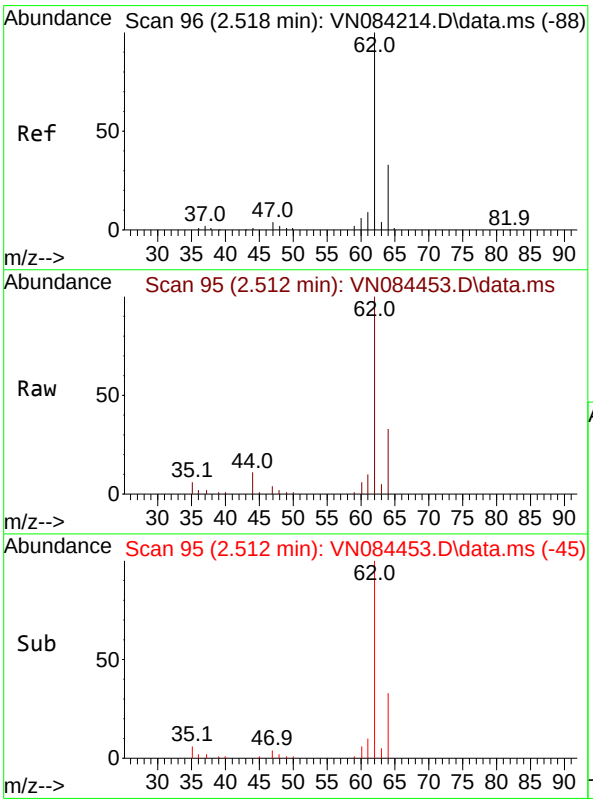
Ion	Ratio	Lower	Upper
50	100		
52	28.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

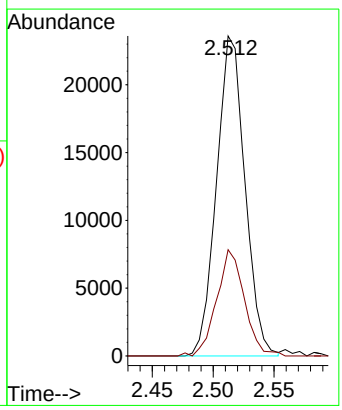
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

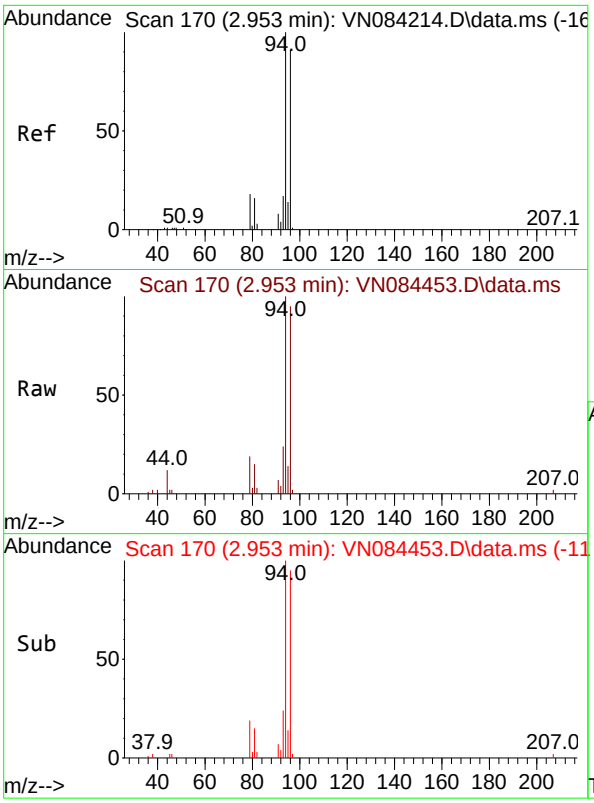


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 62 Resp: 38348

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.4

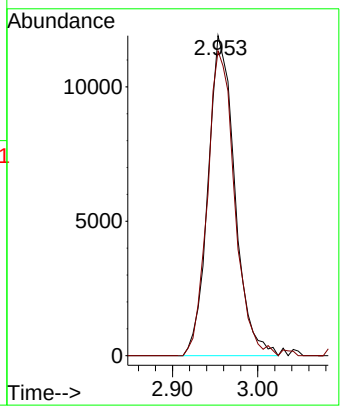




#5
Bromomethane
Concen: 16.964 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 94 Resp: 2601

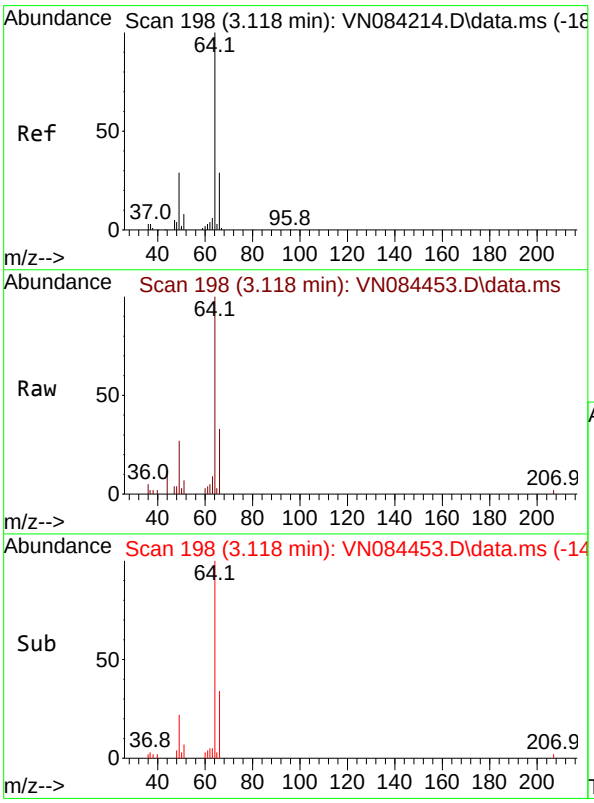
Ion	Ratio	Lower	Upper
94	100		
96	95.2	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

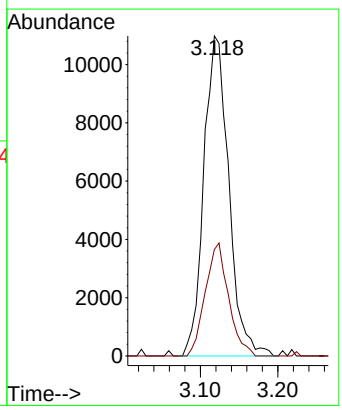
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

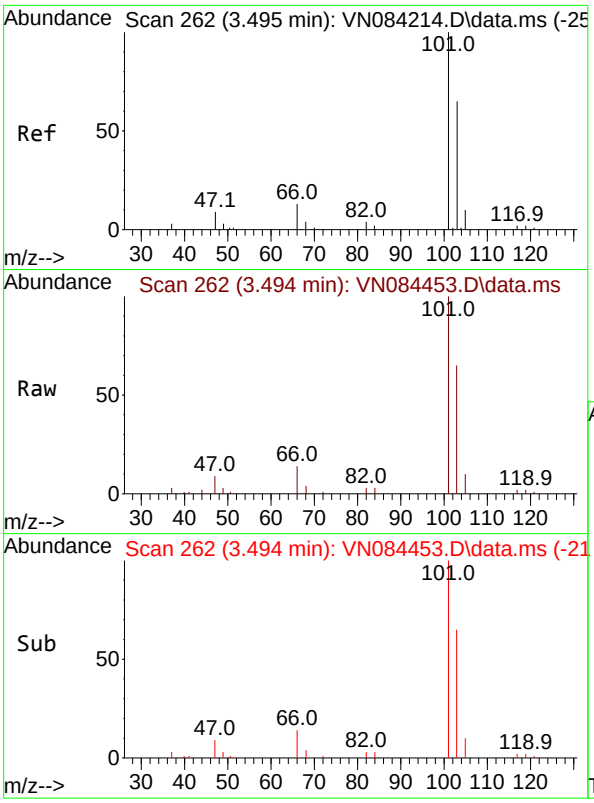


#6
Chloroethane
Concen: 14.755 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 64 Resp: 24567

Ion	Ratio	Lower	Upper
64	100		
66	33.3	23.5	35.3





#7
Trichlorofluoromethane
Concen: 17.298 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

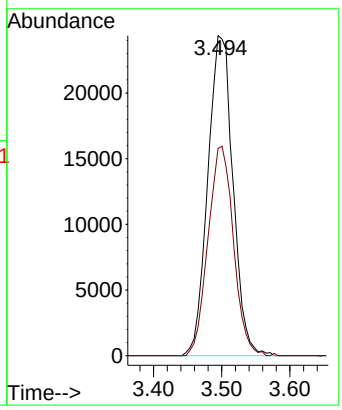
Tgt Ion:101 Resp: 6262

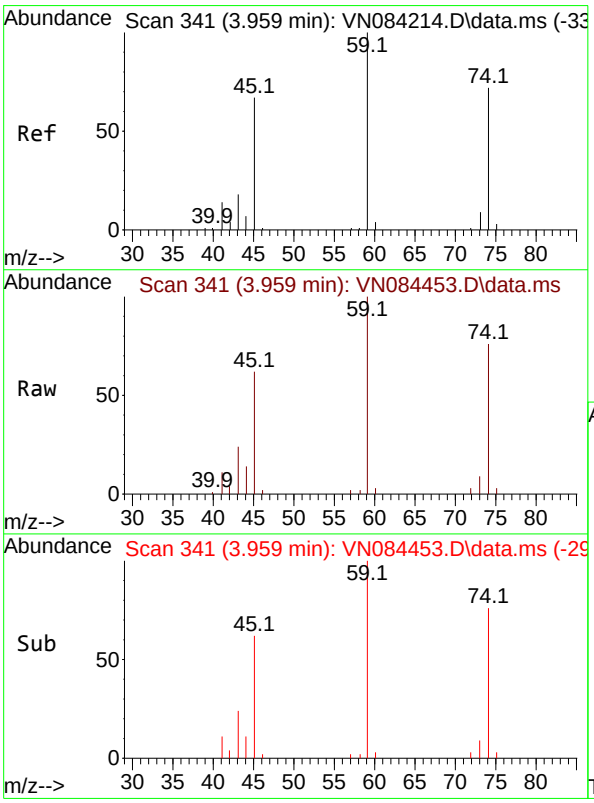
Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

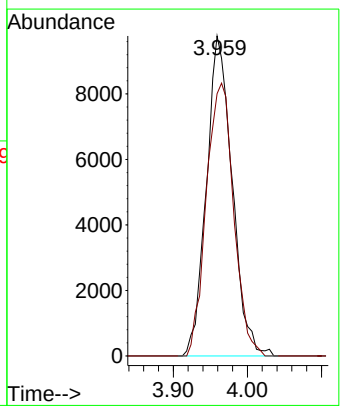


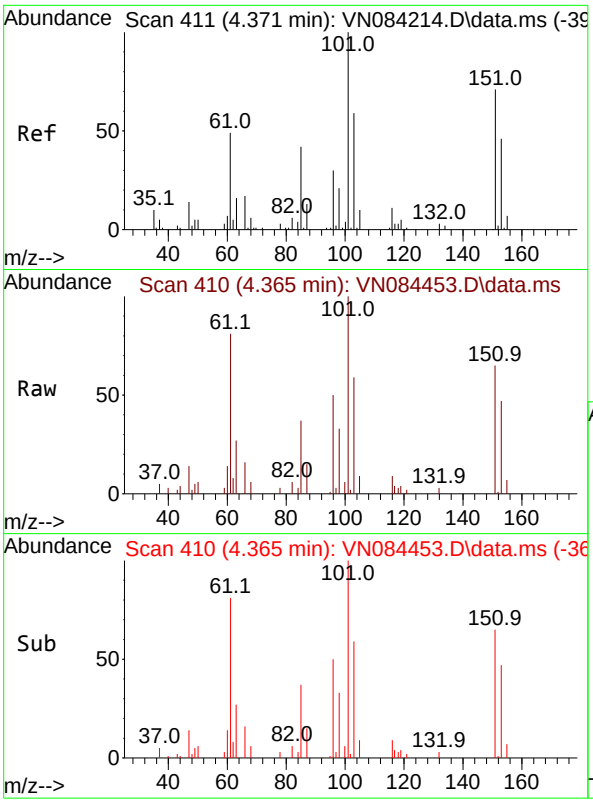


#8
Diethyl Ether
Concen: 17.547 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 74 Resp: 23561

Ion	Ratio	Lower	Upper
74	100		
45	90.7	47.7	143.1

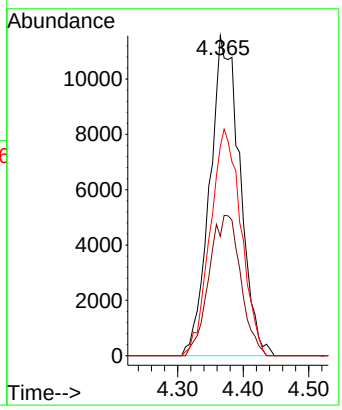




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.769 ug/l
RT: 4.365 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:101 Resp: 3686

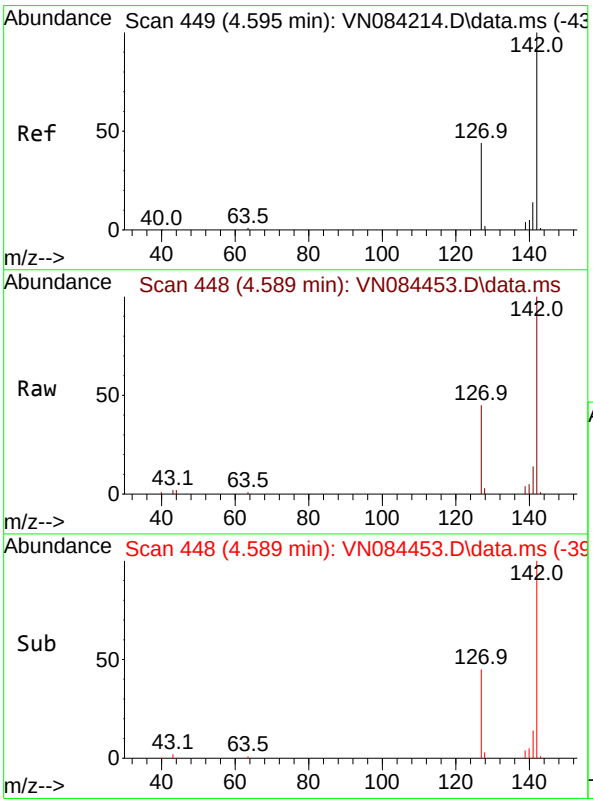
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	72.4	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

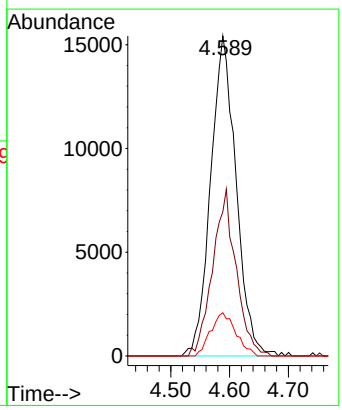
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

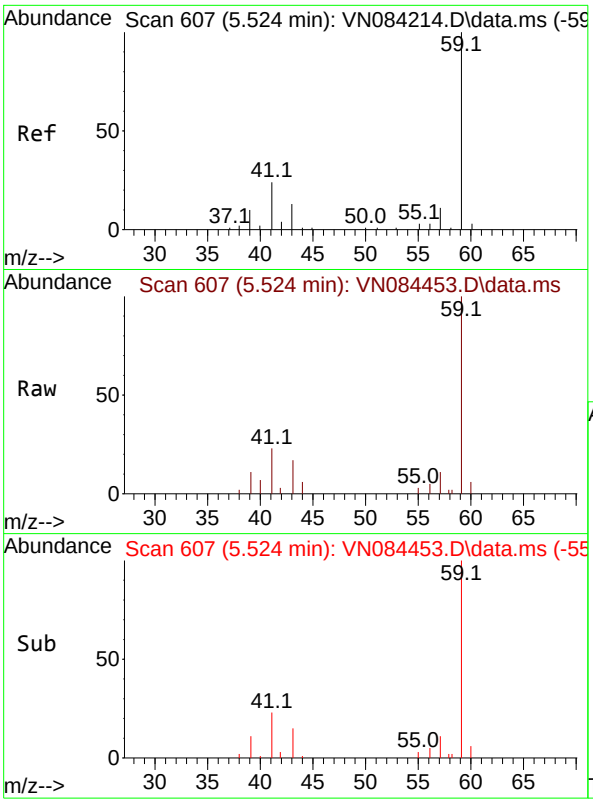


#10
Methyl Iodide
Concen: 17.346 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:142 Resp: 46339

Ion	Ratio	Lower	Upper
142	100		
127	45.1	35.3	52.9
141	13.5	11.0	16.6

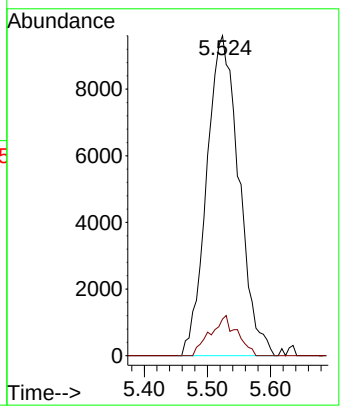




#11
Tert butyl alcohol
Concen: 78.574 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 59 Resp: 3413

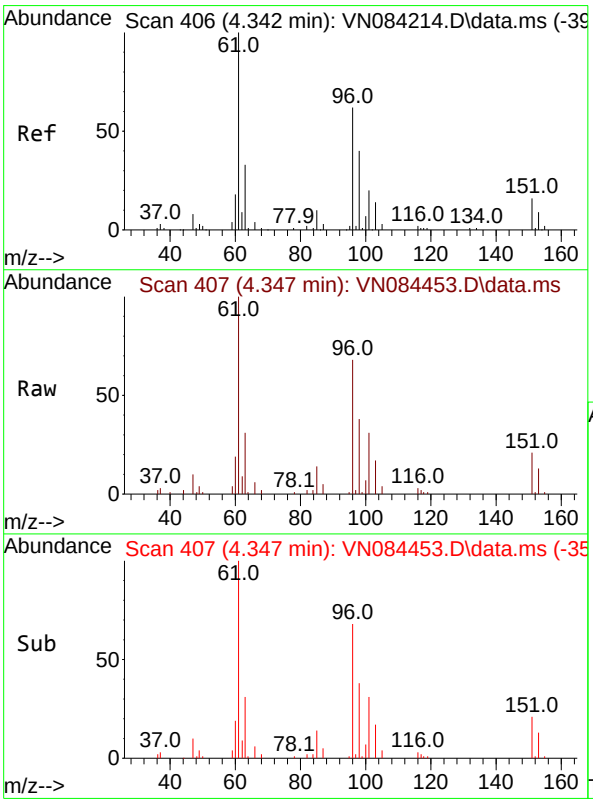
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

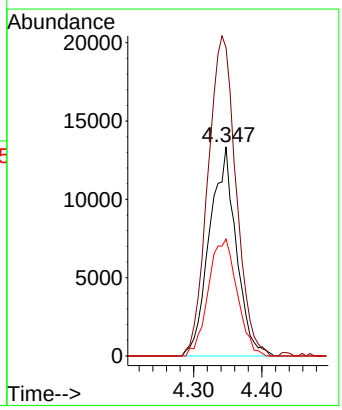
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

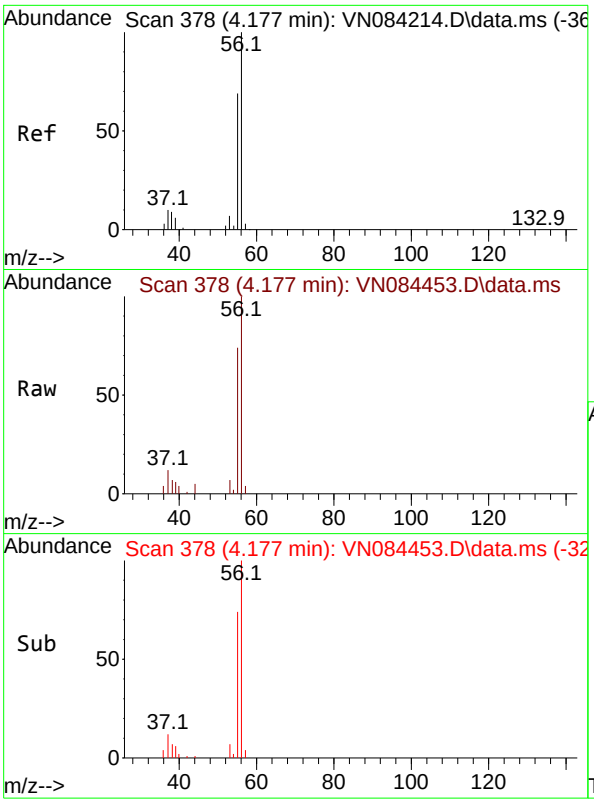


#12
1,1-Dichloroethene
Concen: 18.169 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 96 Resp: 36354

Ion	Ratio	Lower	Upper
96	100		
61	147.5	128.6	192.8
98	55.9	51.7	77.5

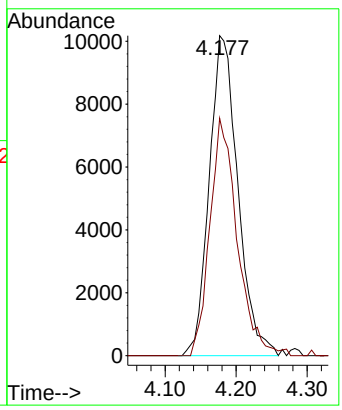




#13
Acrolein
Concen: 57.125 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 56 Resp: 2849

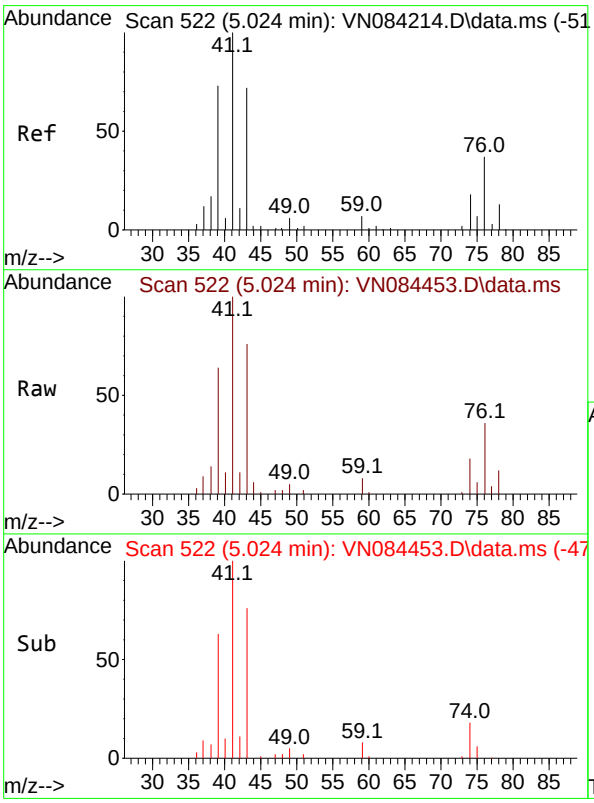
Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

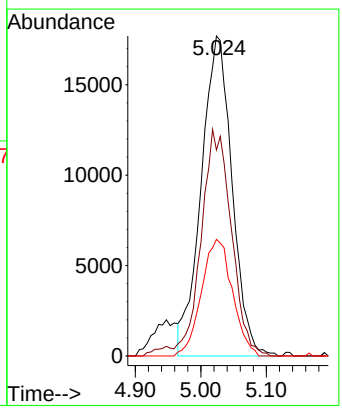
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

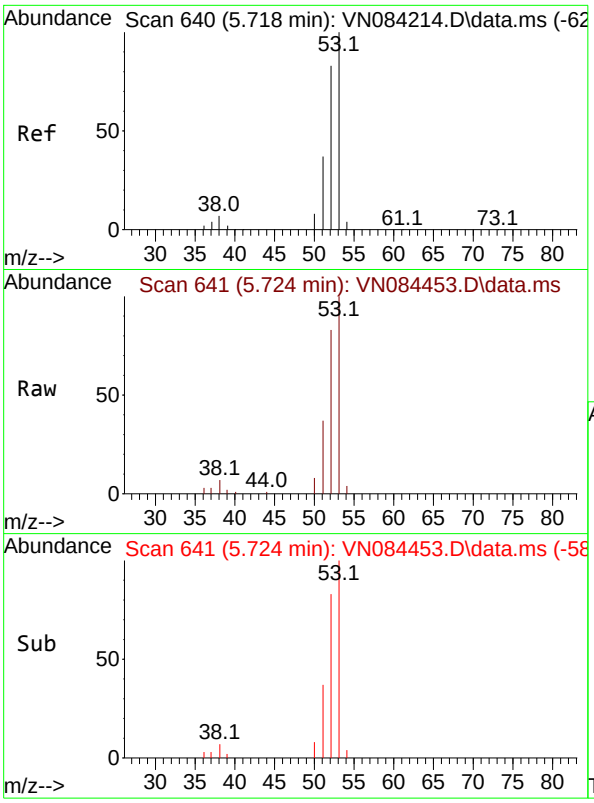


#14
Allyl chloride
Concen: 16.660 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 41 Resp: 57894

Ion	Ratio	Lower	Upper
41	100		
39	68.7	59.0	88.6
76	36.5	29.8	44.6

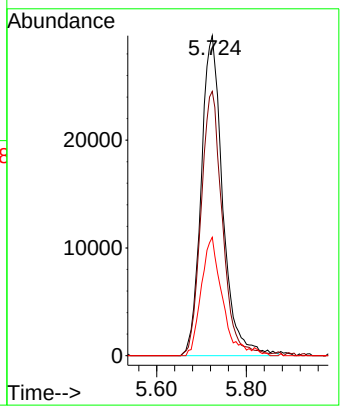




#15
Acrylonitrile
Concen: 90.281 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 53 Resp: 9905

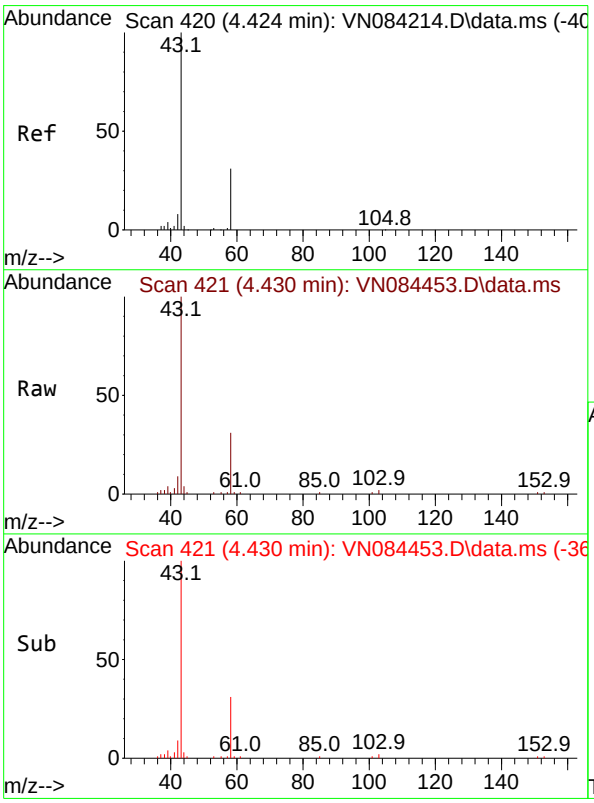
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

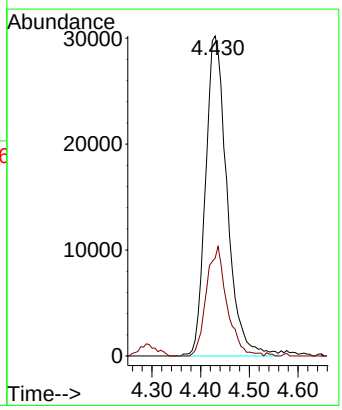
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

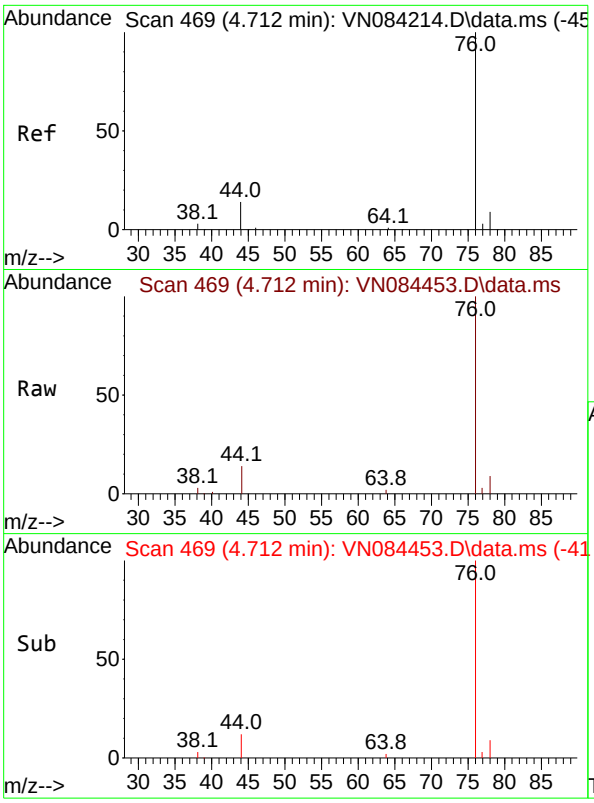


#16
Acetone
Concen: 81.724 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 92502

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6

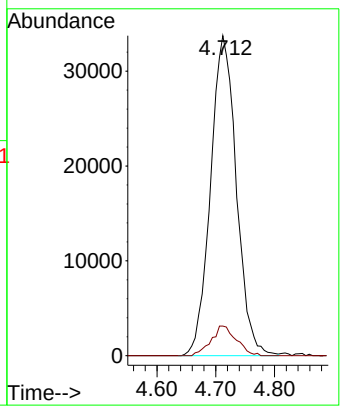




#17
Carbon Disulfide
Concen: 16.268 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 76 Resp: 10305

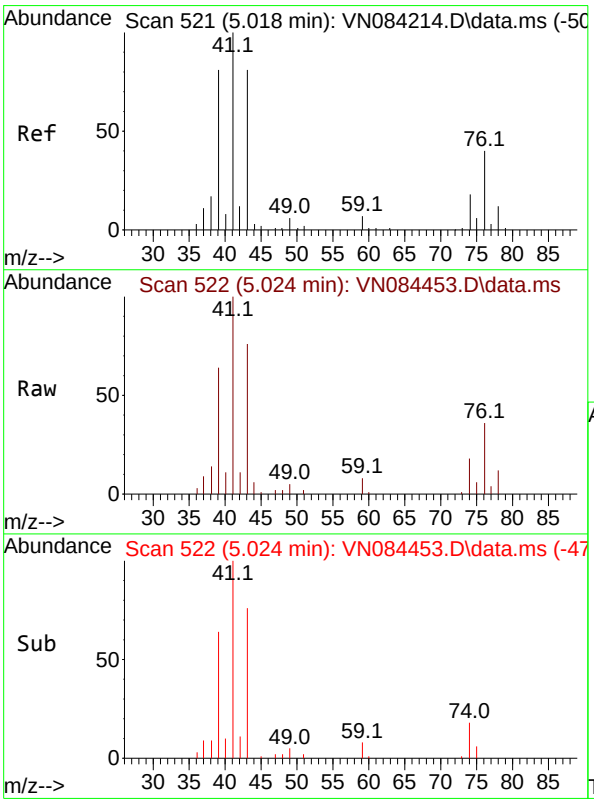
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

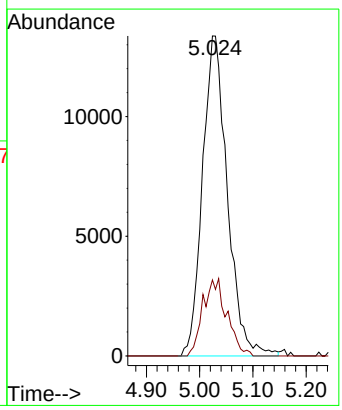
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

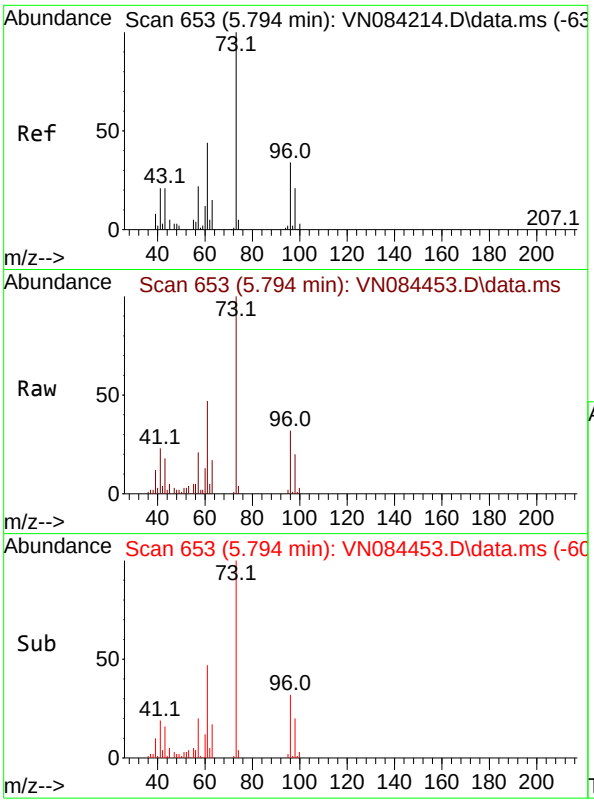


#18
Methyl Acetate
Concen: 17.561 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 43324

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8

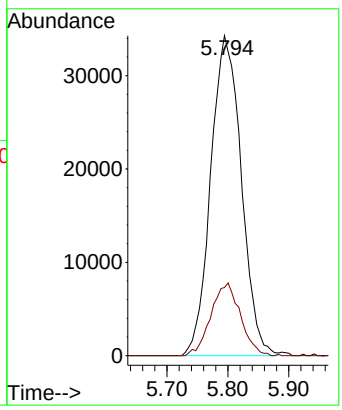




#19
Methyl tert-butyl Ether
Concen: 17.704 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 73 Resp: 11956

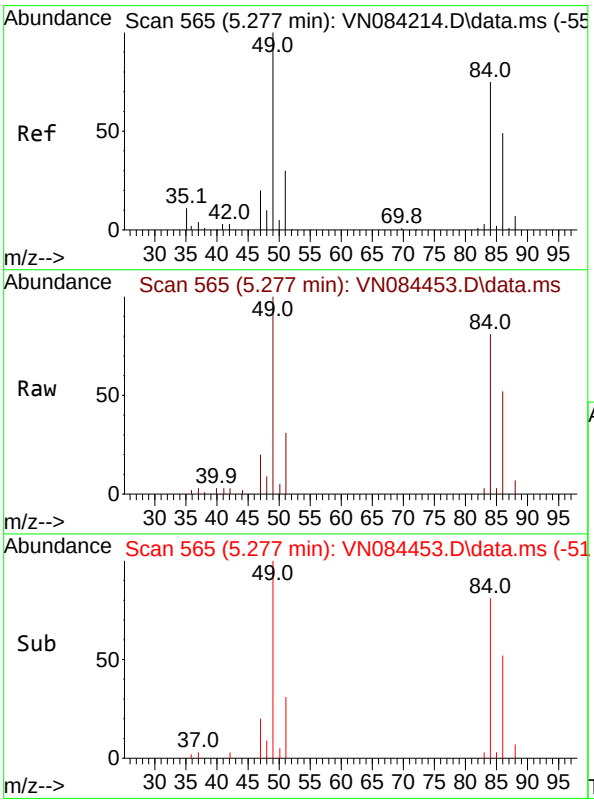
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

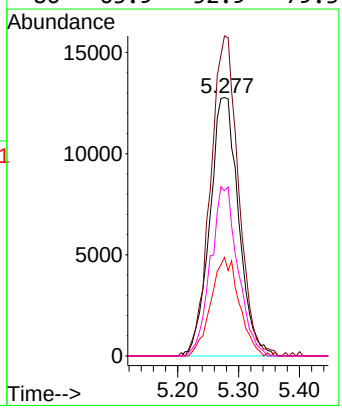
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

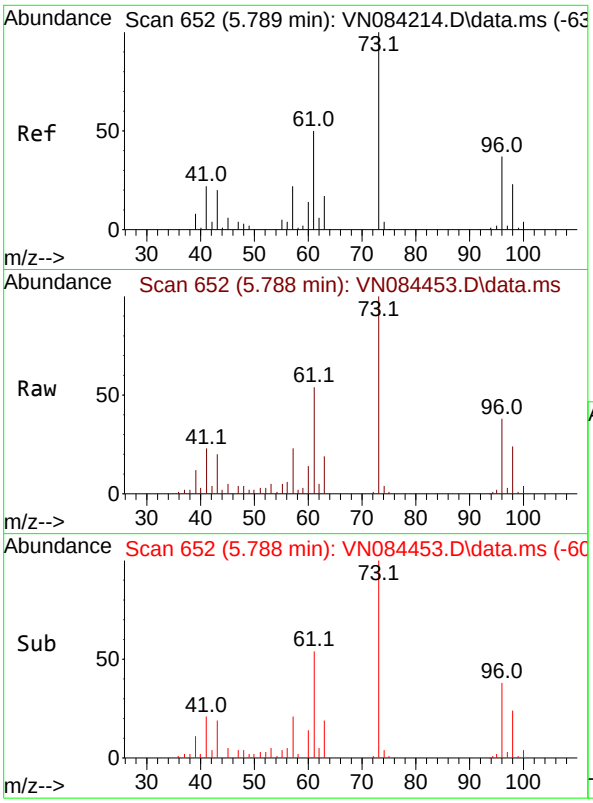


#20
Methylene Chloride
Concen: 18.242 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 84 Resp: 41973

Ion	Ratio	Lower	Upper
84	100		
49	123.8	107.2	160.8
51	38.1	31.8	47.8
86	63.9	52.9	79.3

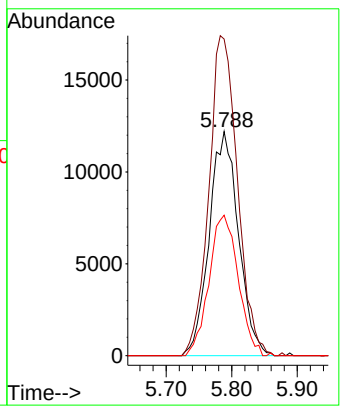




#21
trans-1,2-Dichloroethene
Concen: 18.009 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 96 Resp: 3775

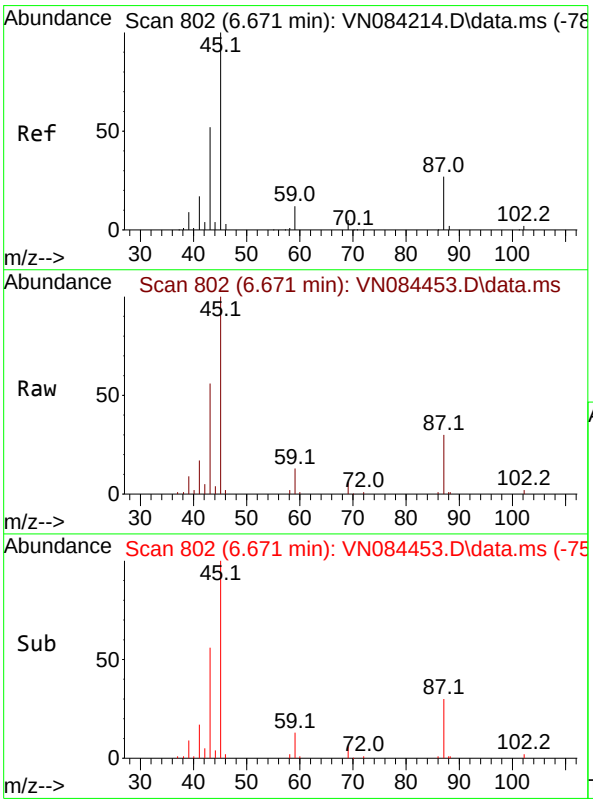
Ion	Ratio	Lower	Upper
96	100		
61	141.3	108.4	162.6
98	62.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

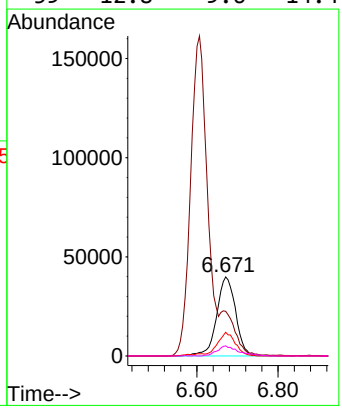
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

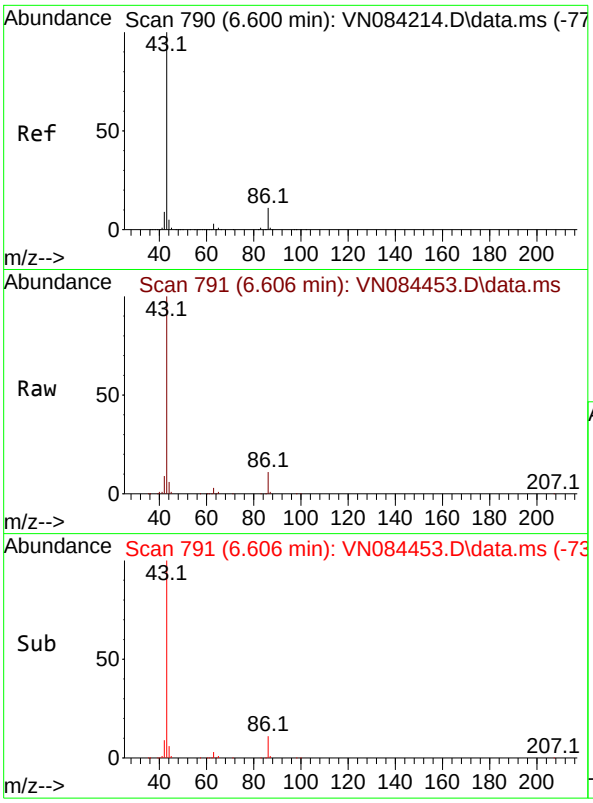


#22
Diisopropyl ether
Concen: 18.037 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 45 Resp: 129644

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.3	63.5
87	29.9	21.8	32.6
59	12.8	9.6	14.4

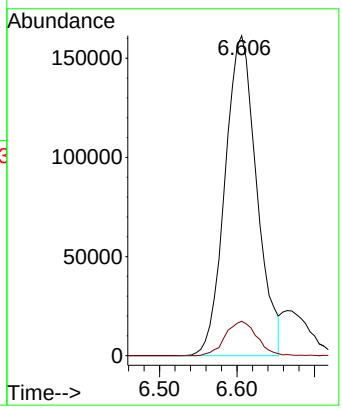




#23
Vinyl Acetate
Concen: 86.325 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 46021

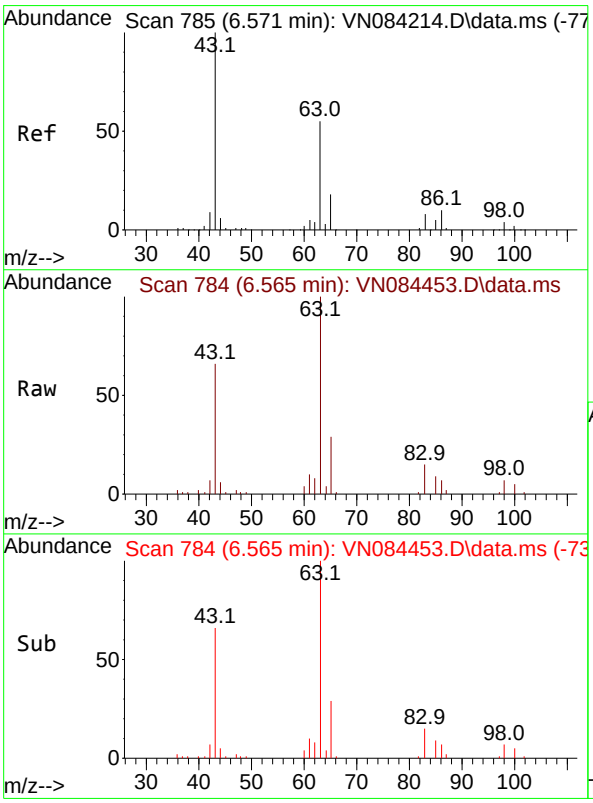
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

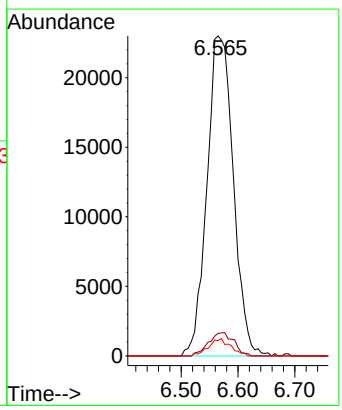
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

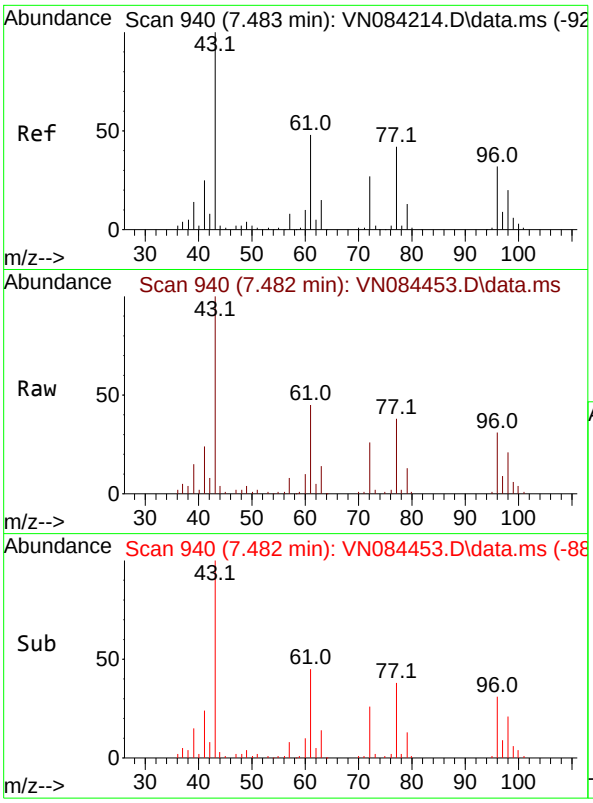


#24
1,1-Dichloroethane
Concen: 18.487 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 63 Resp: 74312

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.8	2.0	5.8

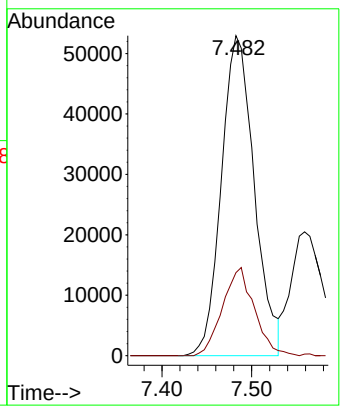




#25
2-Butanone
Concen: 87.552 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 13497

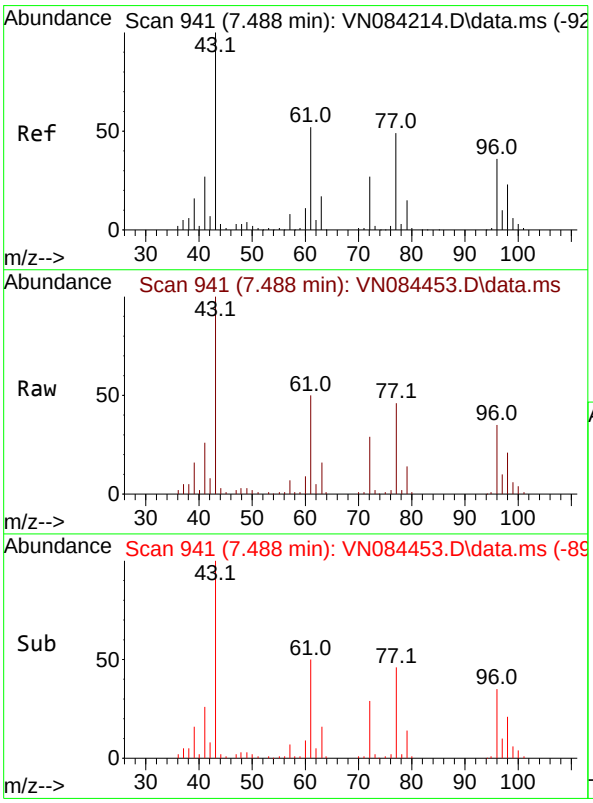
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

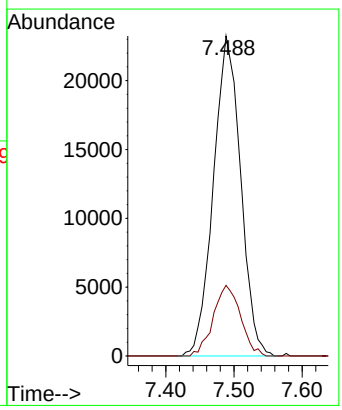
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

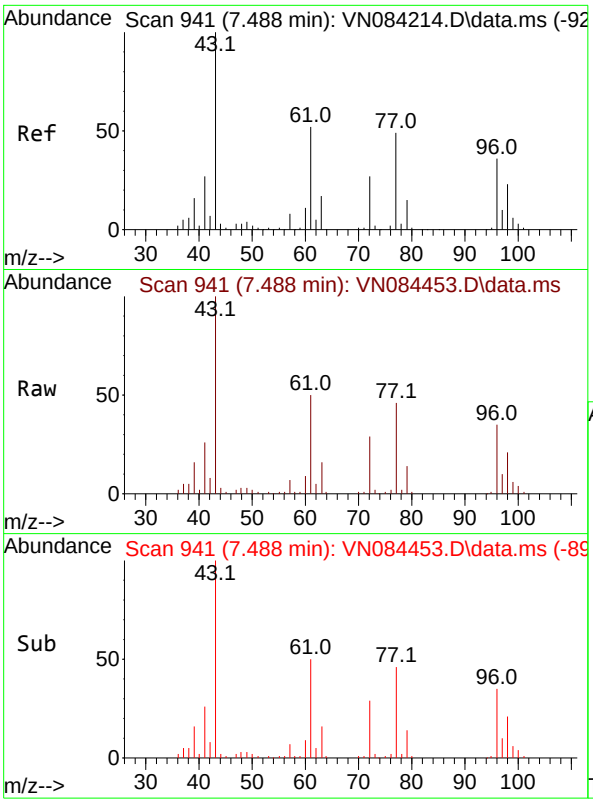


#26
2,2-Dichloropropane
Concen: 17.819 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 77 Resp: 64580

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 18.239 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

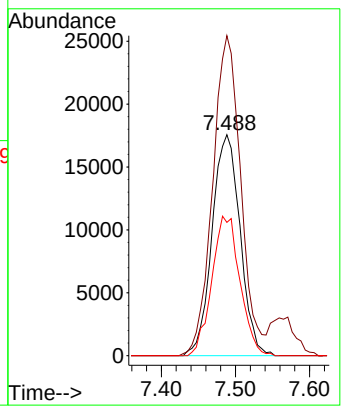
Tgt Ion: 96 Resp: 4620

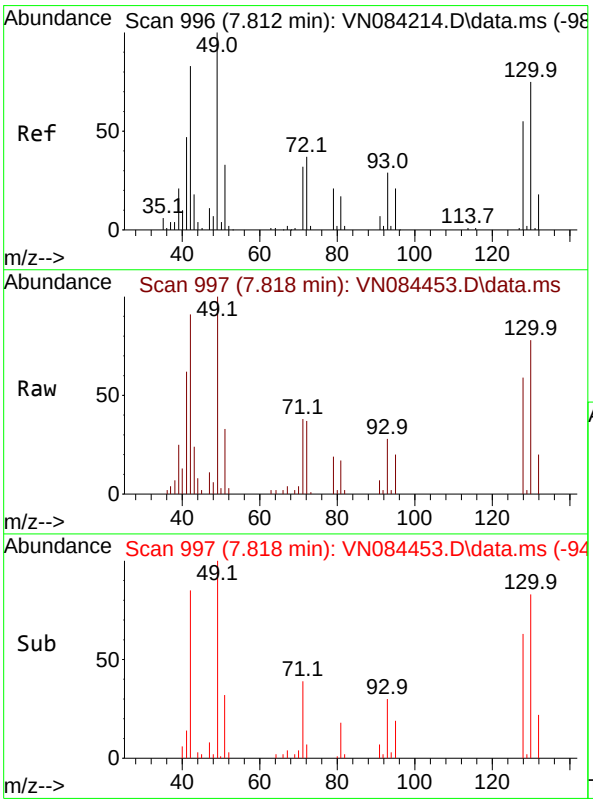
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	301.8
98	63.3	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

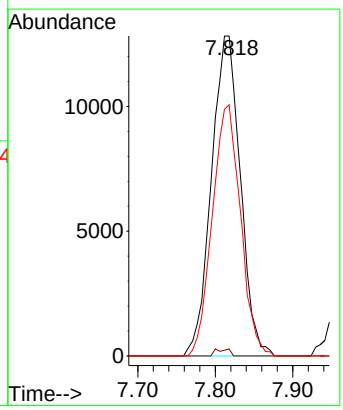


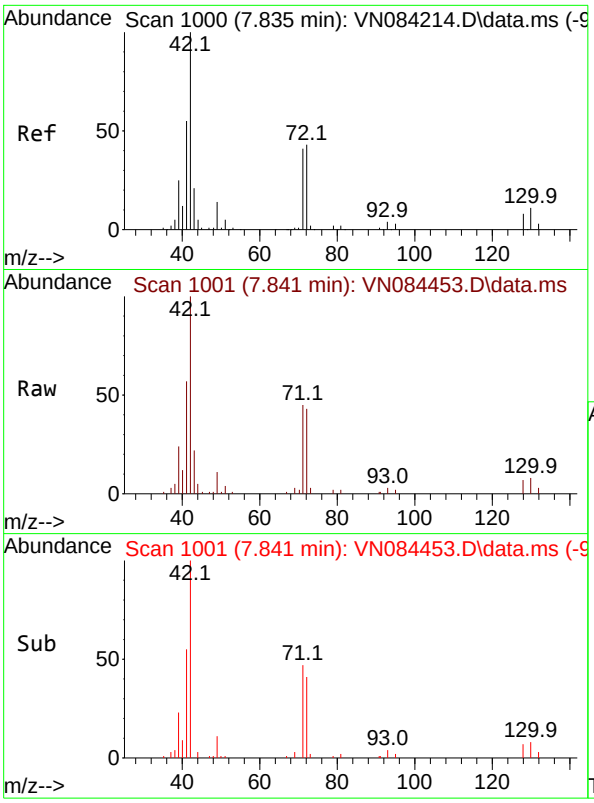


#28
Bromochloromethane
Concen: 18.553 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 49 Resp: 33275

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.6
130	76.4	58.0	87.0

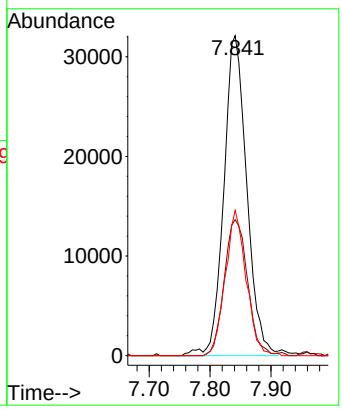




#29
Tetrahydrofuran
Concen: 88.450 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 42 Resp: 8414

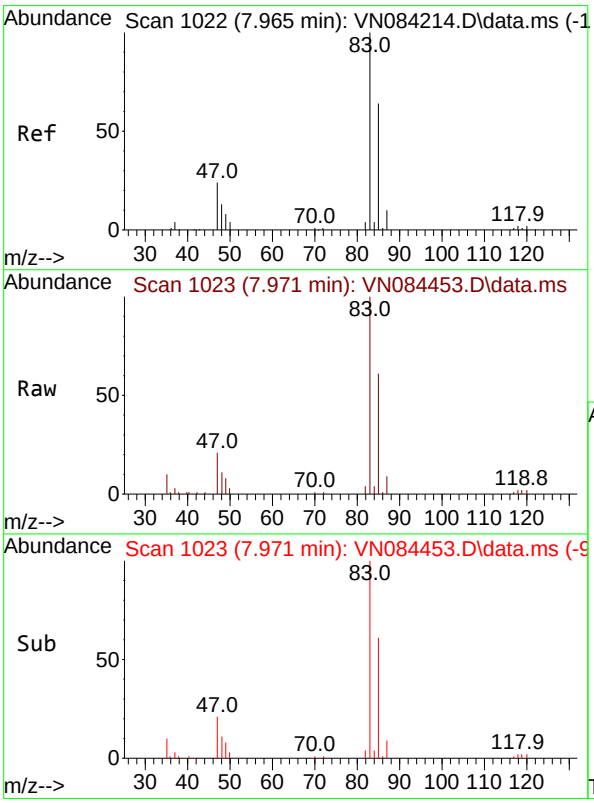
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.6	51.8
71	41.6	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

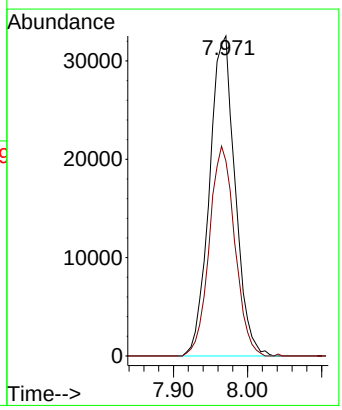
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

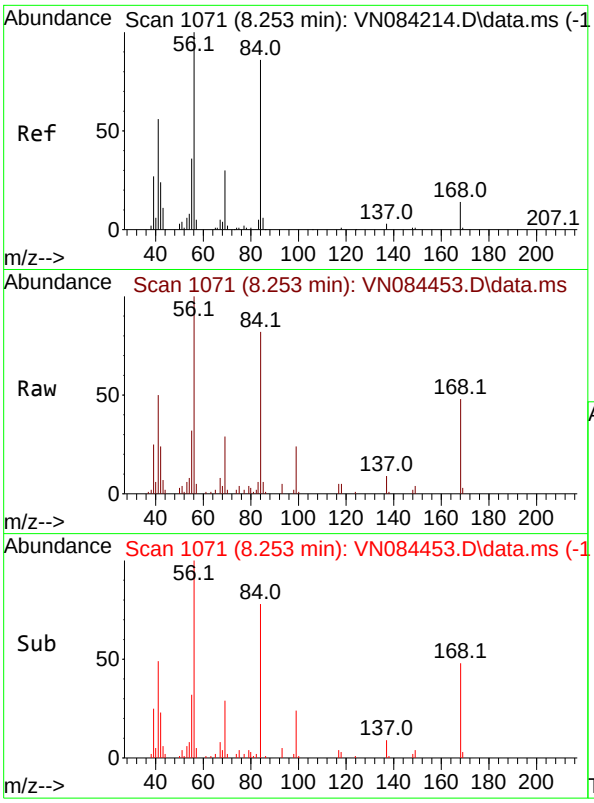


#30
Chloroform
Concen: 18.699 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 83 Resp: 78076

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.4

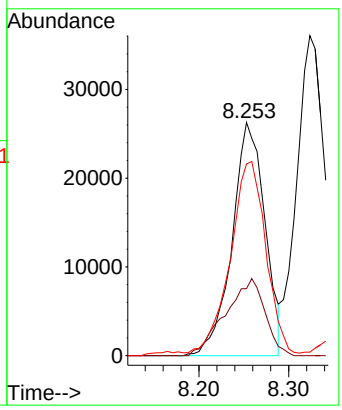




#31
Cyclohexane
Concen: 17.108 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 56 Resp: 6676

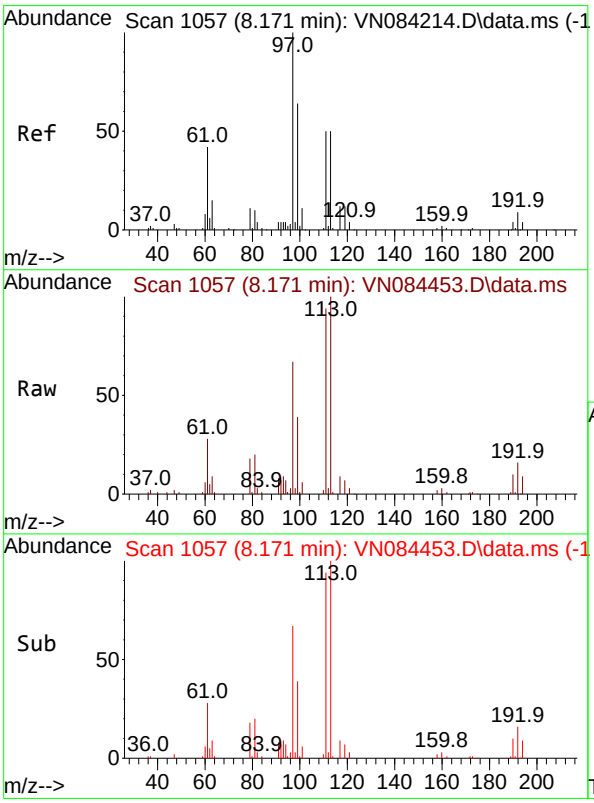
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.8	35.6
84	80.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

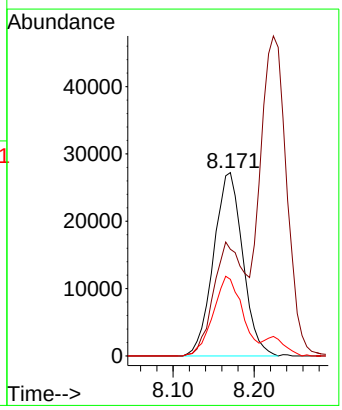
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

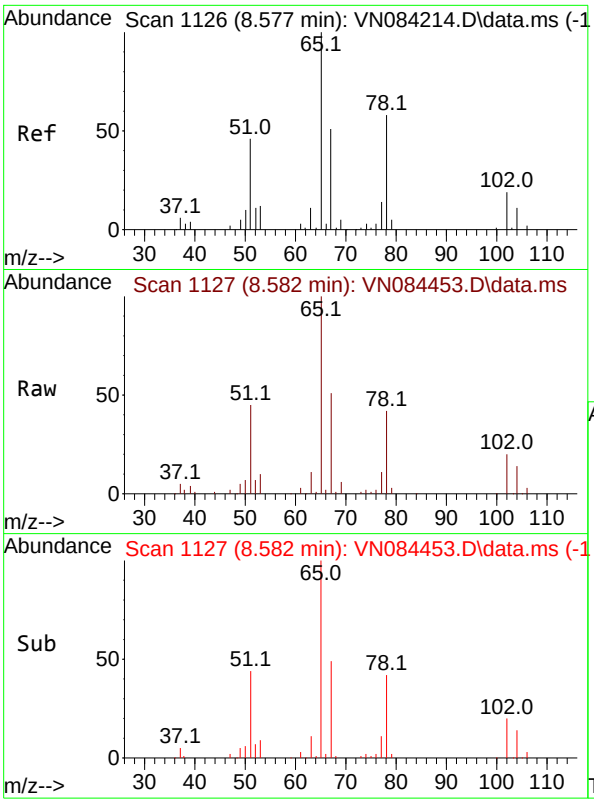


#32
1,1,1-Trichloroethane
Concen: 18.156 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 97 Resp: 68084

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	43.8	37.5	56.3

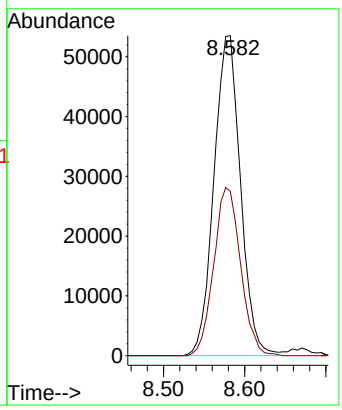




#33
1,2-Dichloroethane-d4
Concen: 46.161 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 65 Resp: 12162

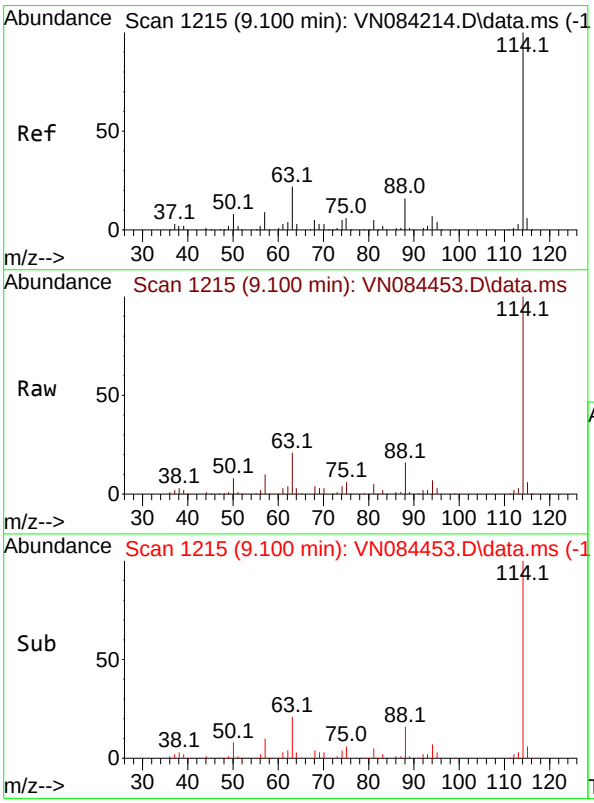
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

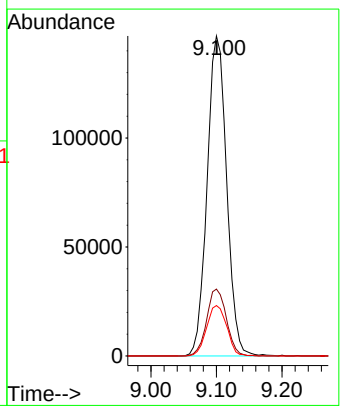
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

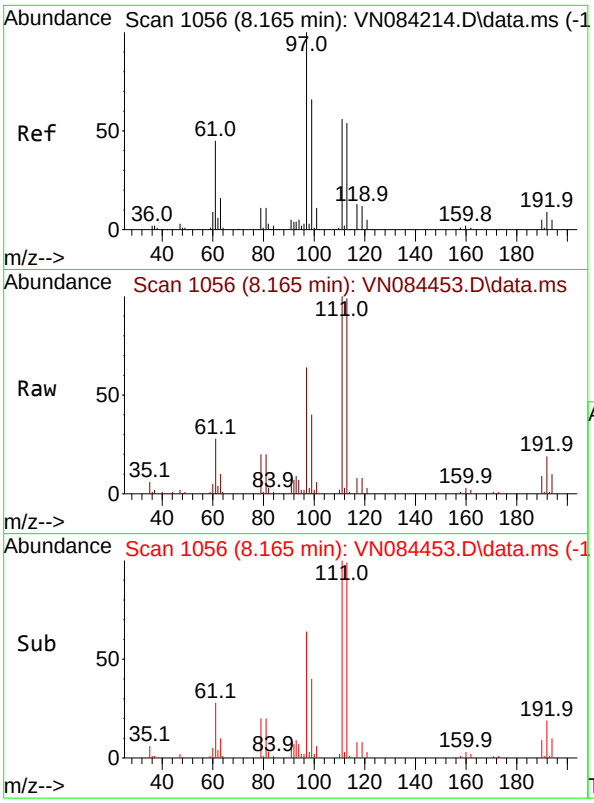


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:114 Resp: 304170

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	15.7	0.0	31.6

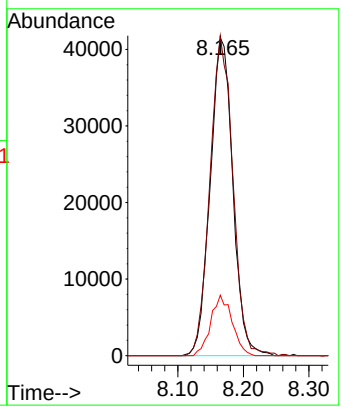




#35
Dibromofluoromethane
Concen: 49.544 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:113 Resp: 9935

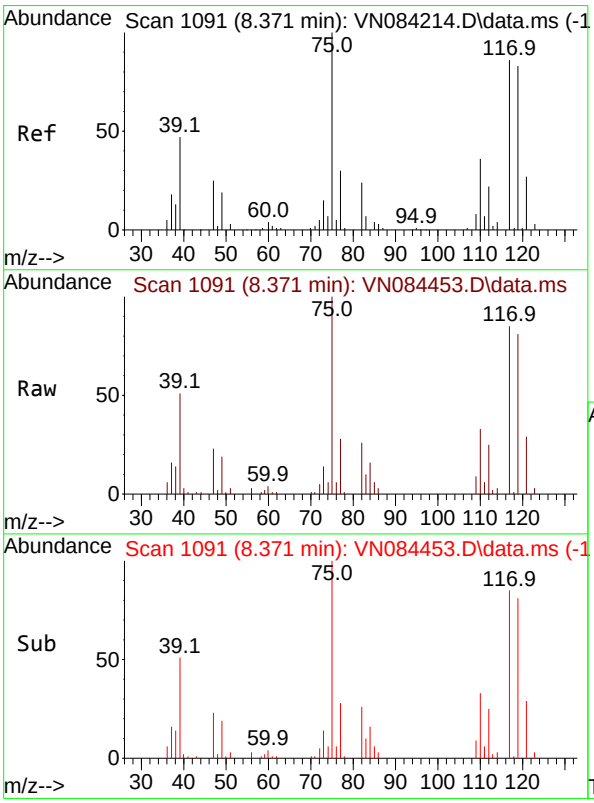
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	18.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

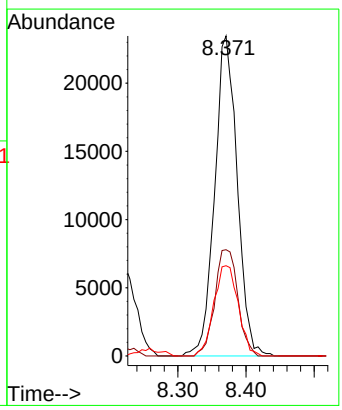
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

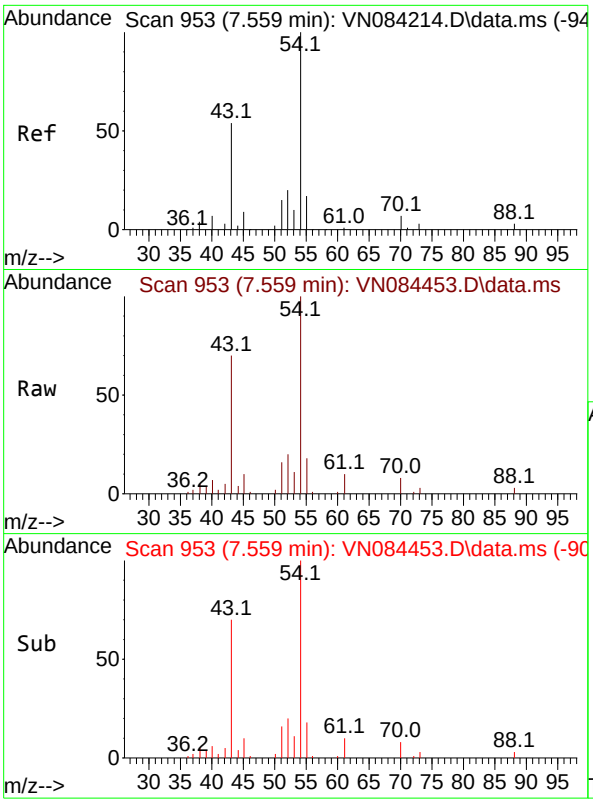


#36
1,1-Dichloropropene
Concen: 18.511 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 53919

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.5	24.7	37.1

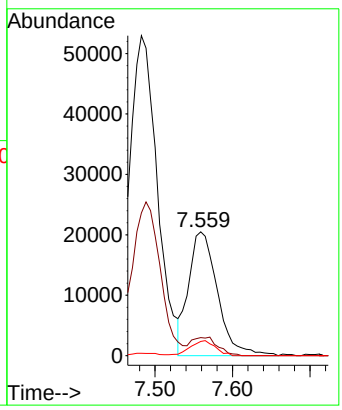




#37
Ethyl Acetate
Concen: 17.779 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 5312

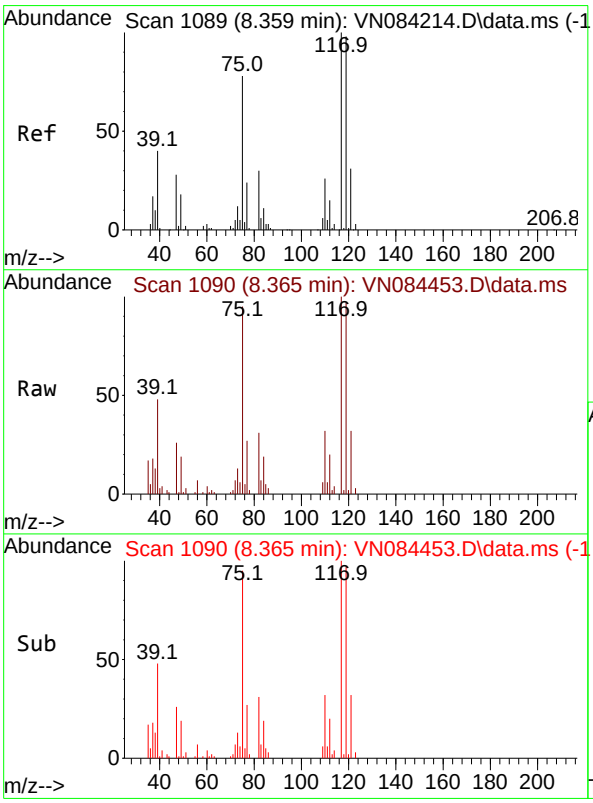
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

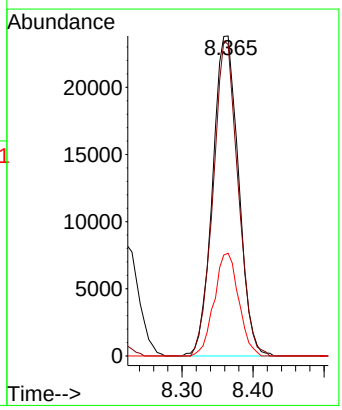
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

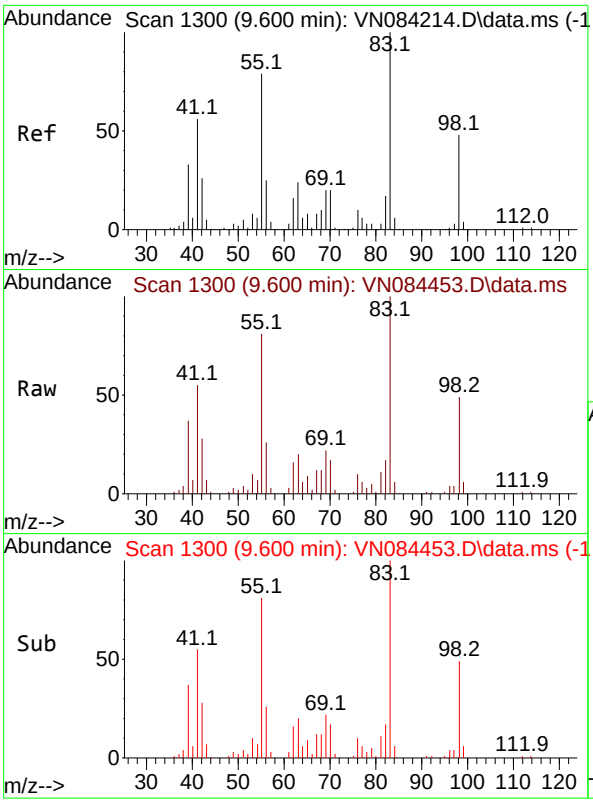


#38
Carbon Tetrachloride
Concen: 18.813 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:117 Resp: 60111

Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.7	118.1
121	32.1	24.4	36.6

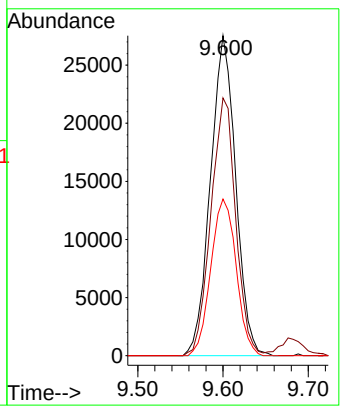




#39
Methylcyclohexane
Concen: 17.499 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 83 Resp: 5672

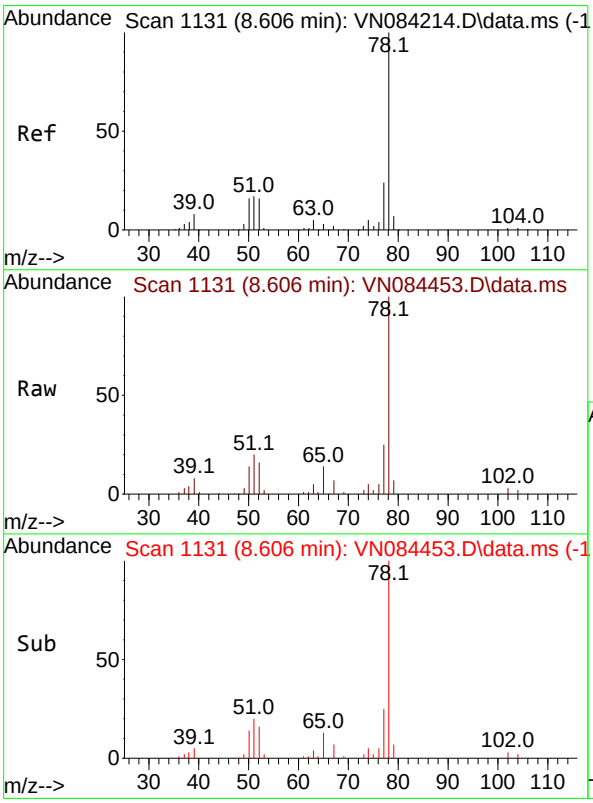
Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.8	94.2
98	49.0	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

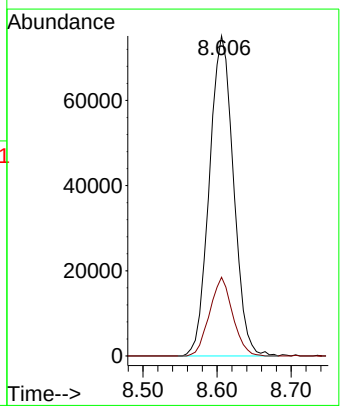
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

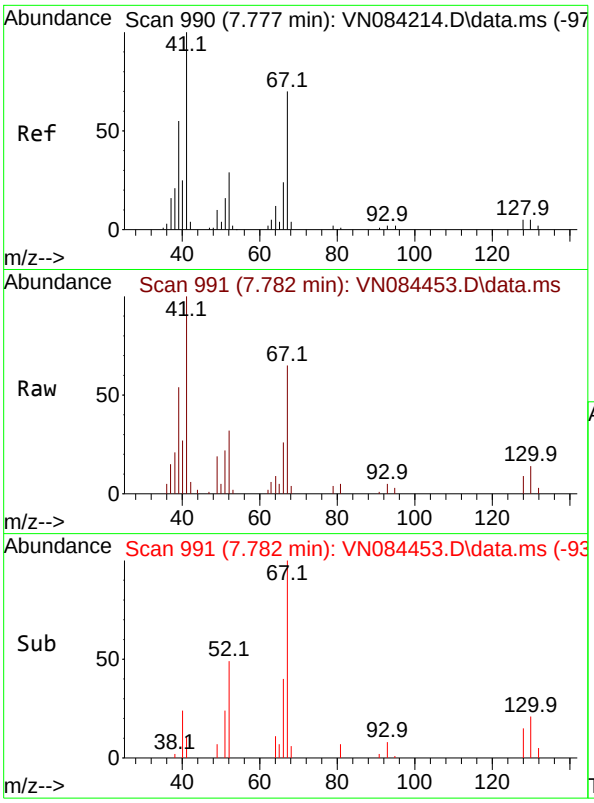


#40
Benzene
Concen: 18.699 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 78 Resp: 169698

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7

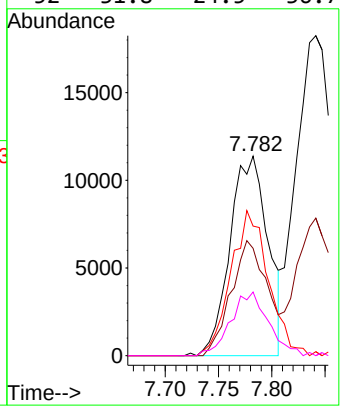




#41
Methacrylonitrile
Concen: 17.450 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 41 Resp: 2830

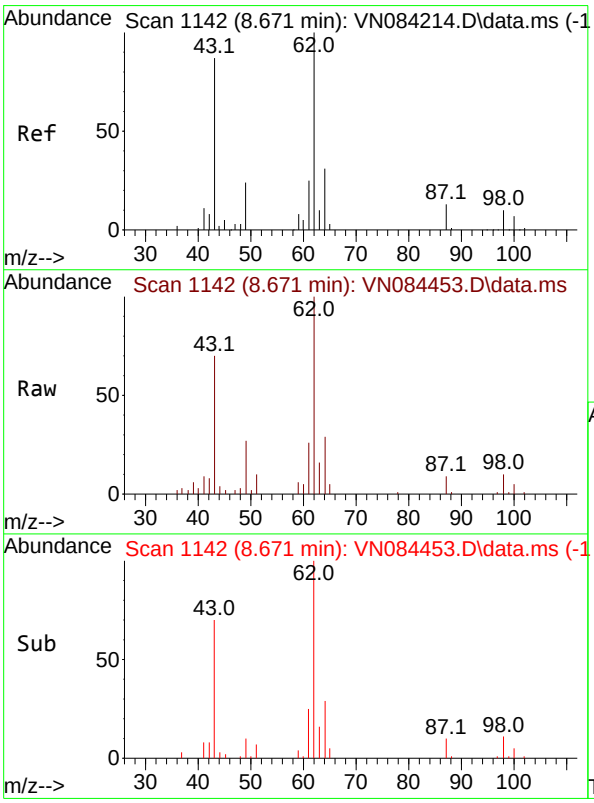
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.3	64.9
67	72.3	56.1	84.1
52	31.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

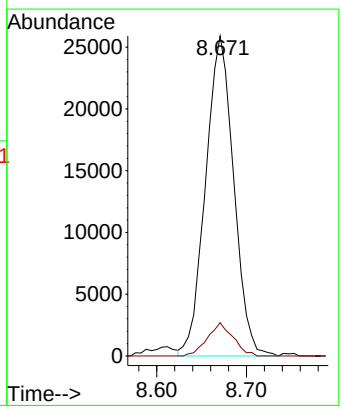
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

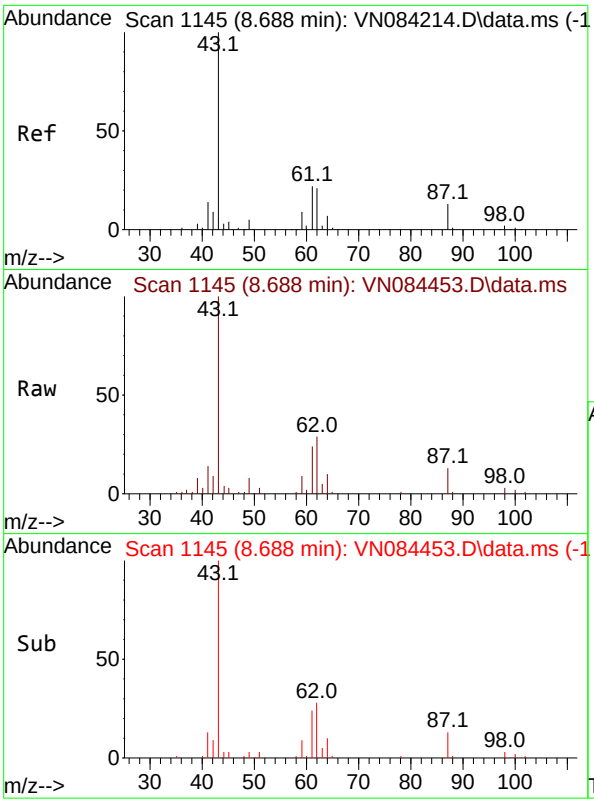


#42
1,2-Dichloroethane
Concen: 18.328 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 62 Resp: 56388

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

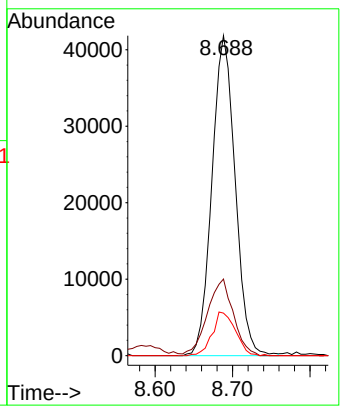




#43
Isopropyl Acetate
Concen: 14.897 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 8719

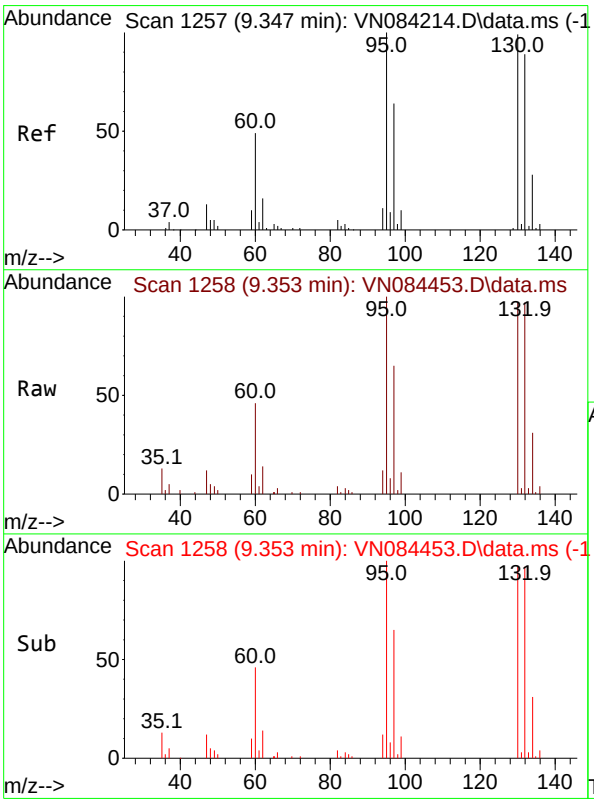
Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.6	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

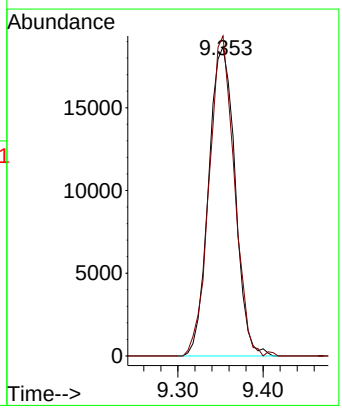
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

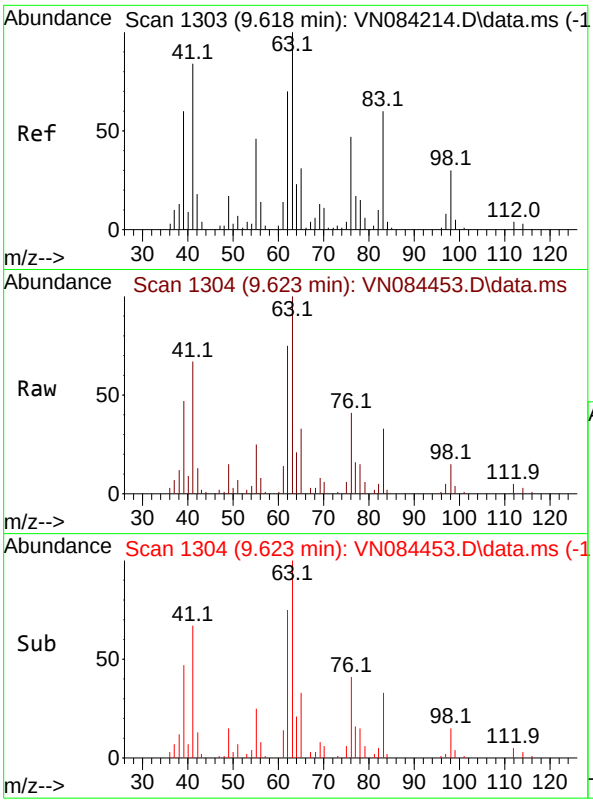


#44
Trichloroethene
Concen: 18.955 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:130 Resp: 40177

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	203.0

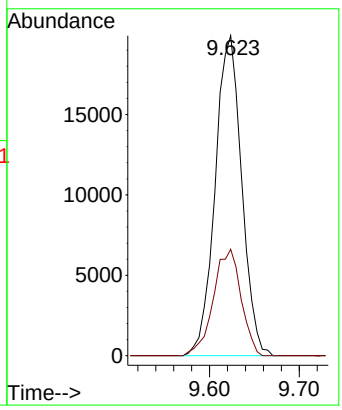




#45
1,2-Dichloropropane
Concen: 19.023 ug/l
RT: 9.623 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 63 Resp: 4084

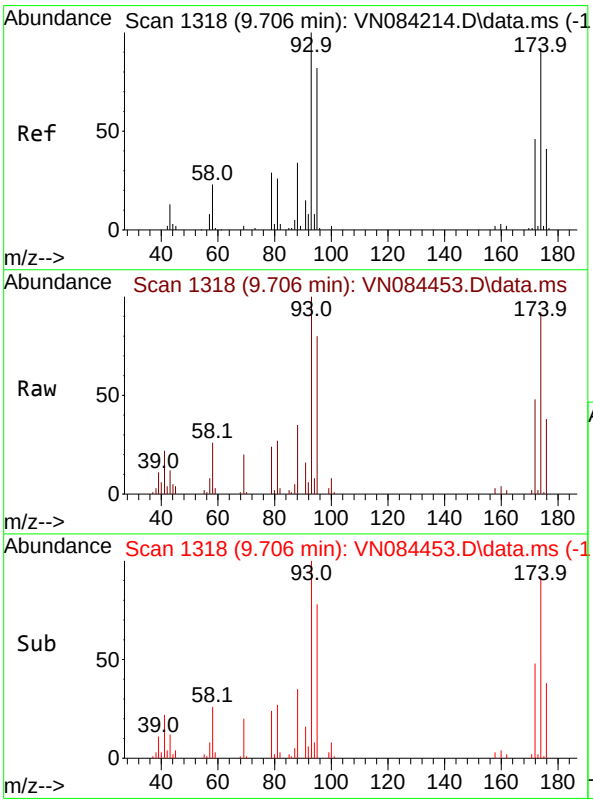
Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

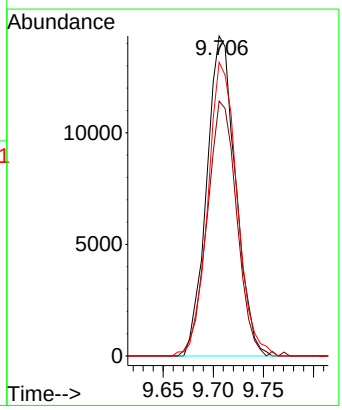
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

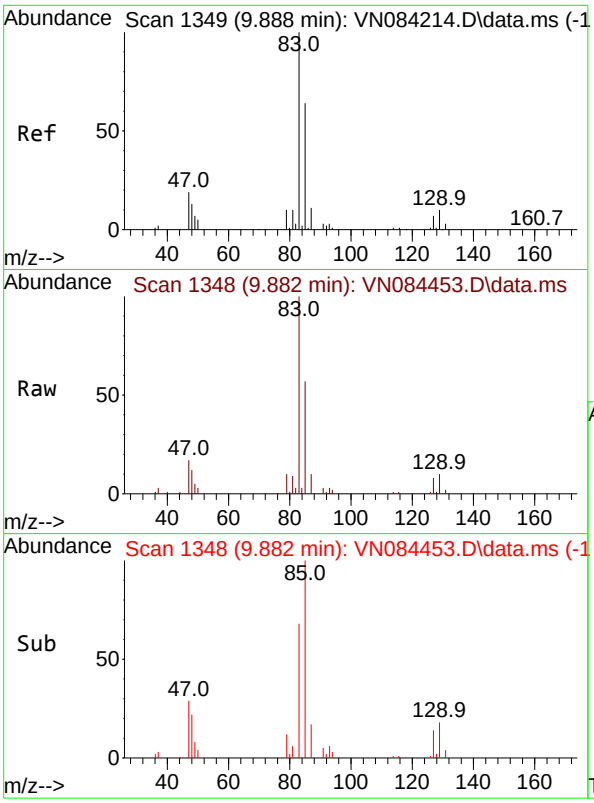


#46
Dibromomethane
Concen: 19.857 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 93 Resp: 28768

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	93.0	71.8	107.8

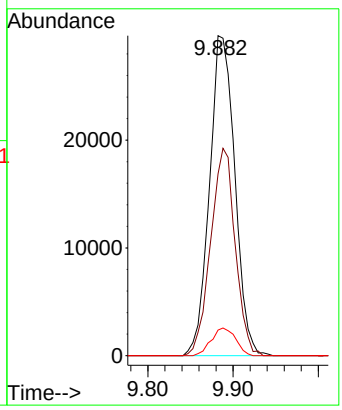




#47
Bromodichloromethane
Concen: 19.038 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 83 Resp: 6127

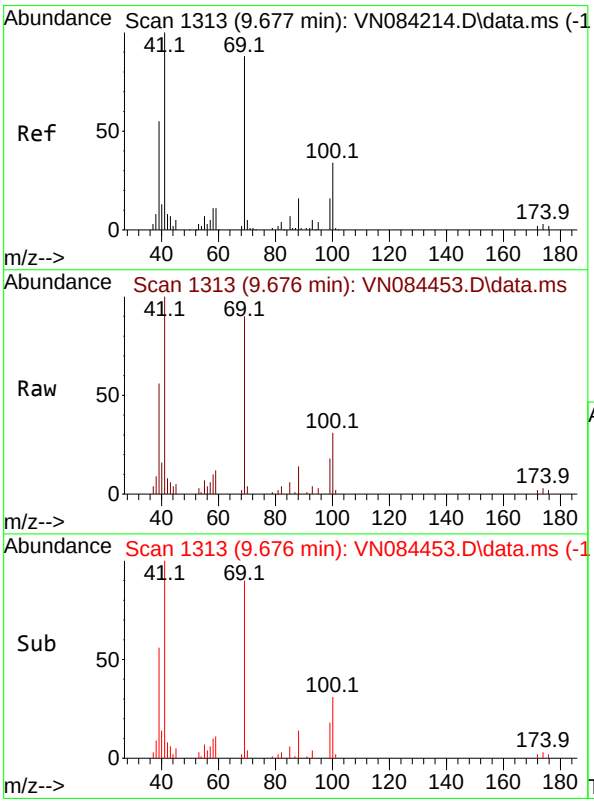
Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.5	77.3
127	8.0	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

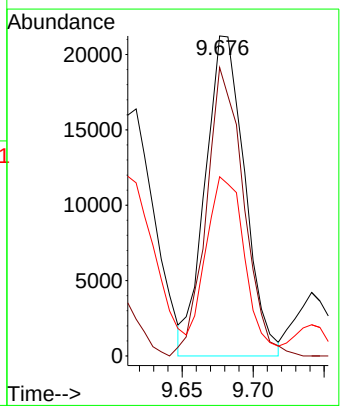
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

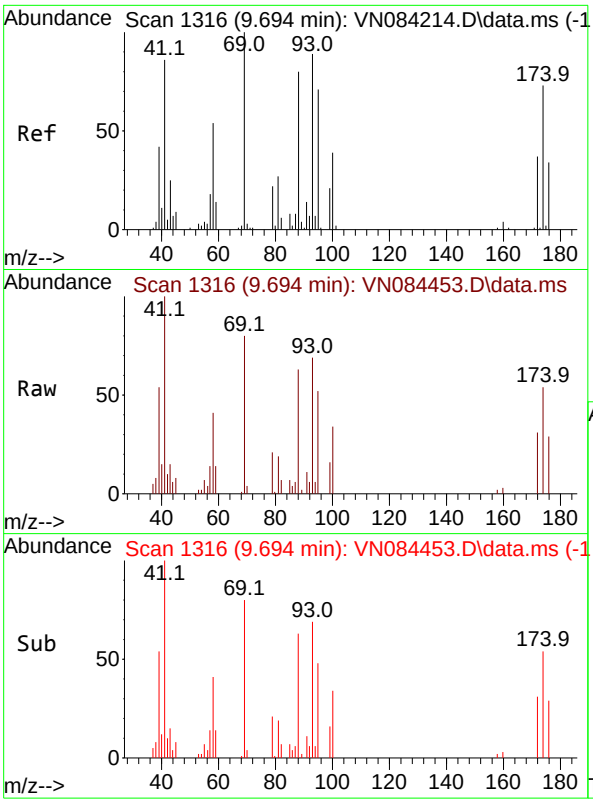


#48
Methyl methacrylate
Concen: 17.619 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 41 Resp: 41050

Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.1	100.7
39	55.6	45.8	68.6





#49
1,4-Dioxane
Concen: 346.222 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

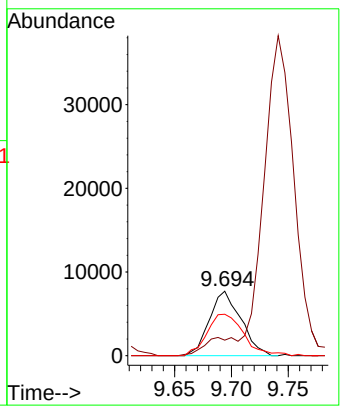
Tgt Ion: 88 Resp: 1485

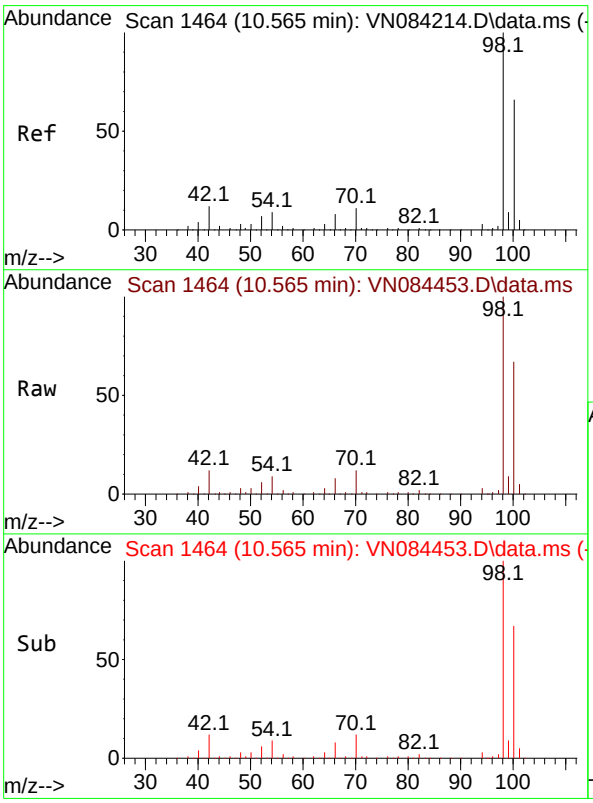
Ion	Ratio	Lower	Upper
88	100		
43	19.9	25.3	37.9#
58	75.1	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

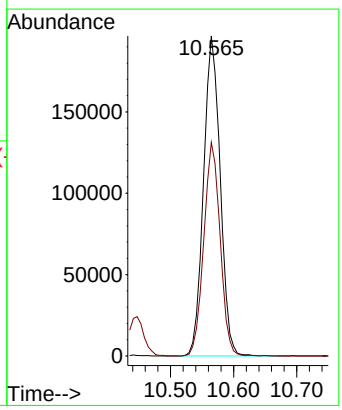


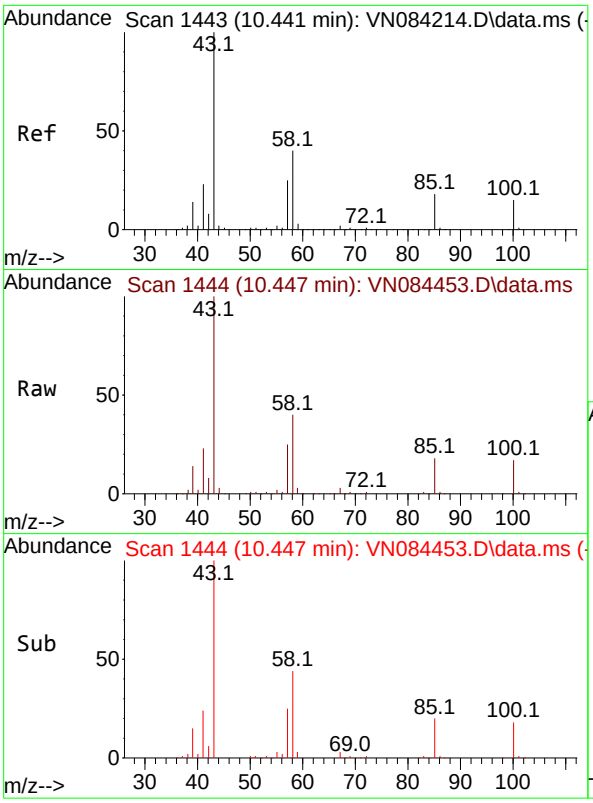


#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 98 Resp: 359697

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

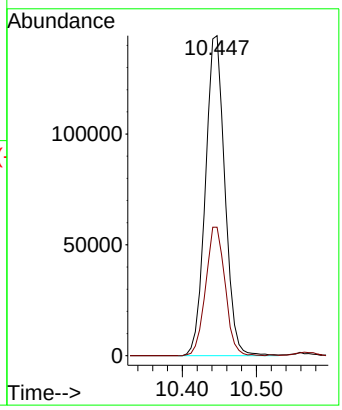




#51
4-Methyl-2-Pentanone
Concen: 92.172 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 26219

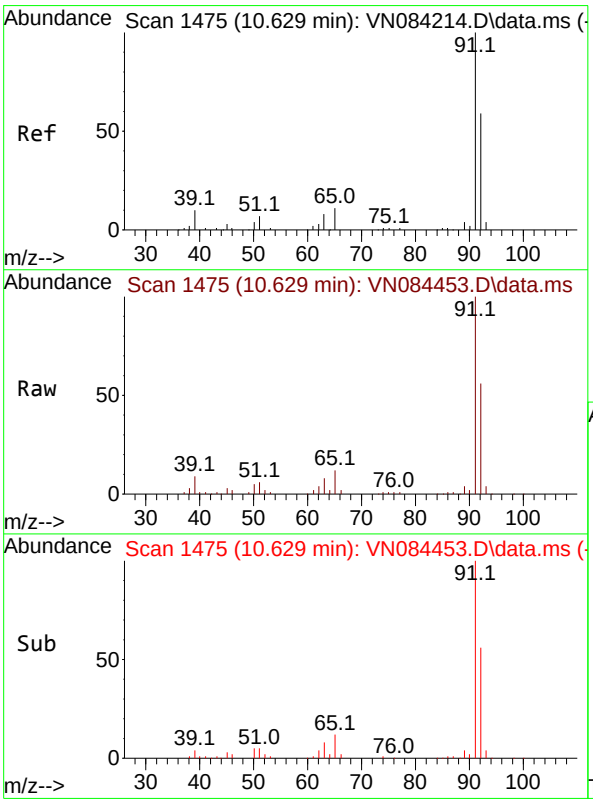
Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

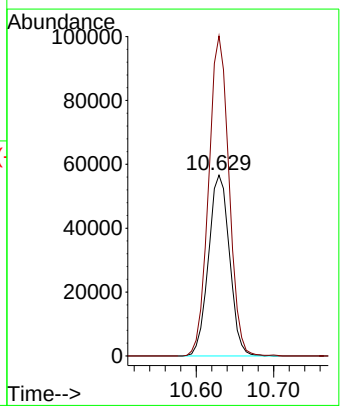
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

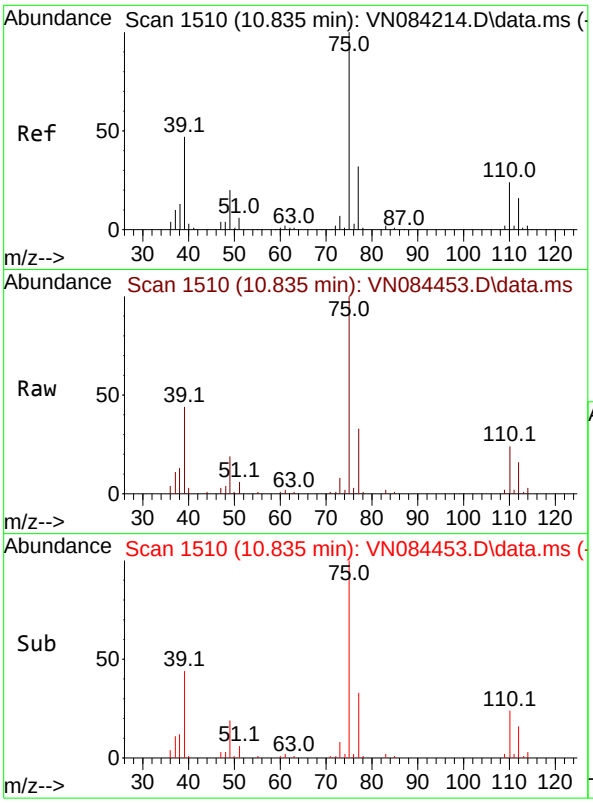


#52
Toluene
Concen: 19.246 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 92 Resp: 106505

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9

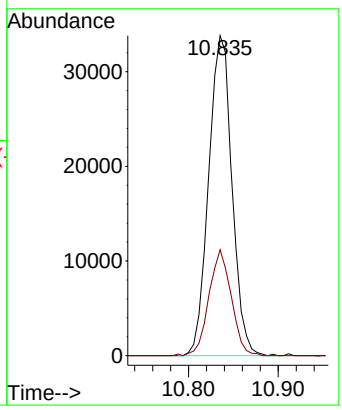




#53
t-1,3-Dichloropropene
Concen: 18.600 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 6102

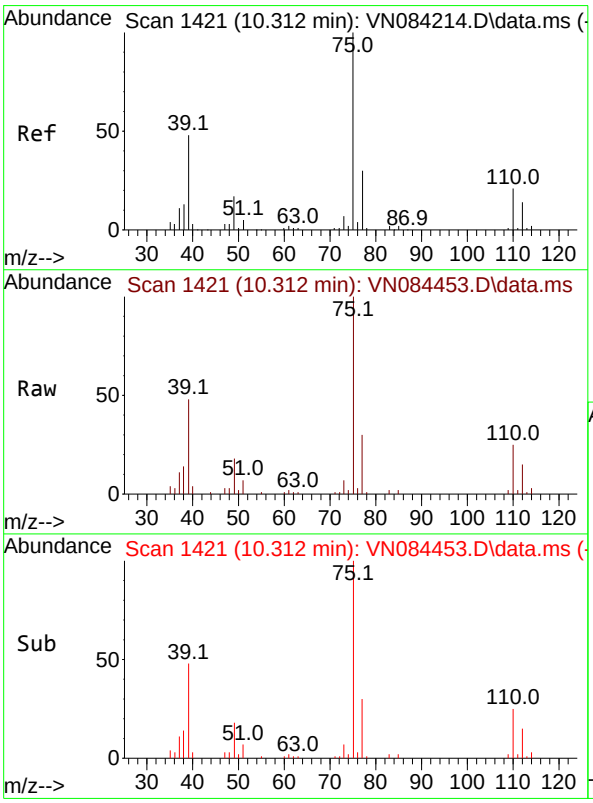
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
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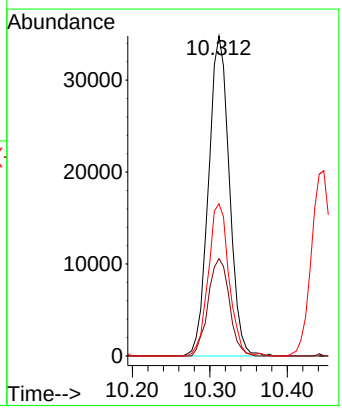
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

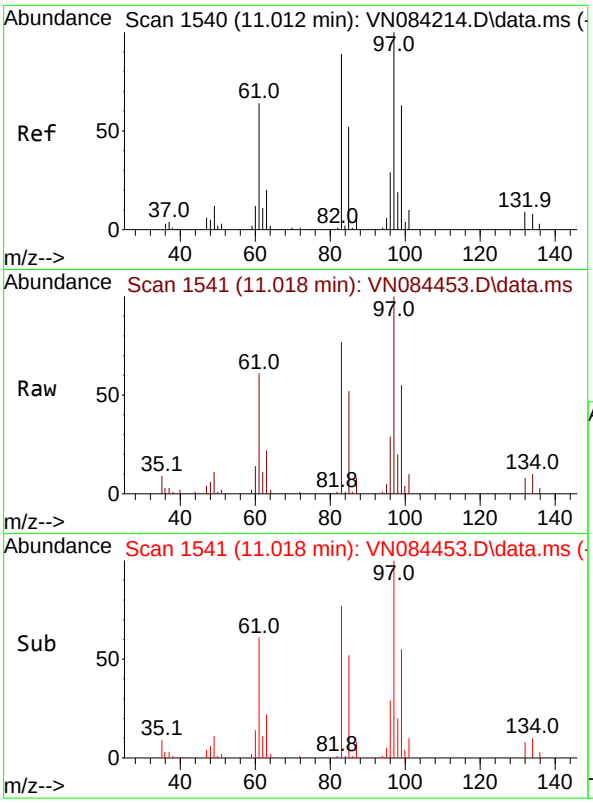


#54
cis-1,3-Dichloropropene
Concen: 18.392 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 64908

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	47.6	38.7	58.1

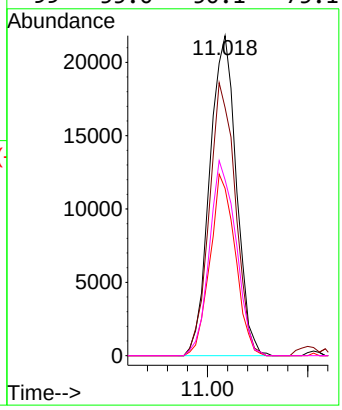




#55
1,1,2-Trichloroethane
Concen: 20.321 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 97 Resp: 4031

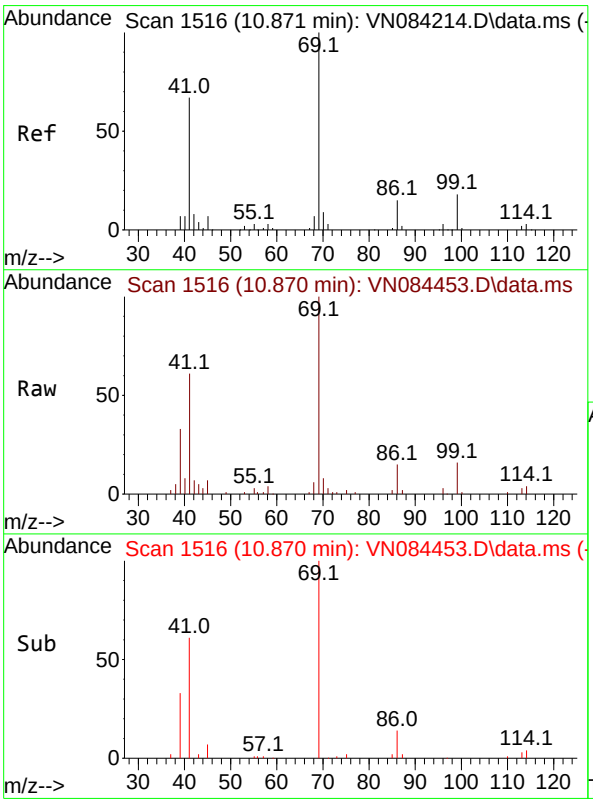
Ion	Ratio	Lower	Upper
97	100		
83	77.5	71.0	106.4
85	52.2	41.7	62.5
99	55.0	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

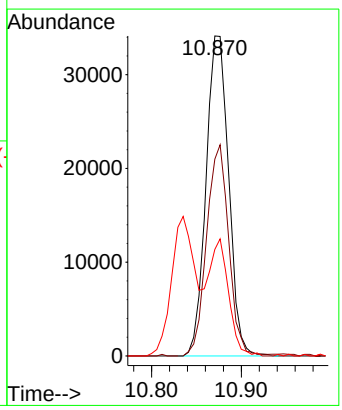
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

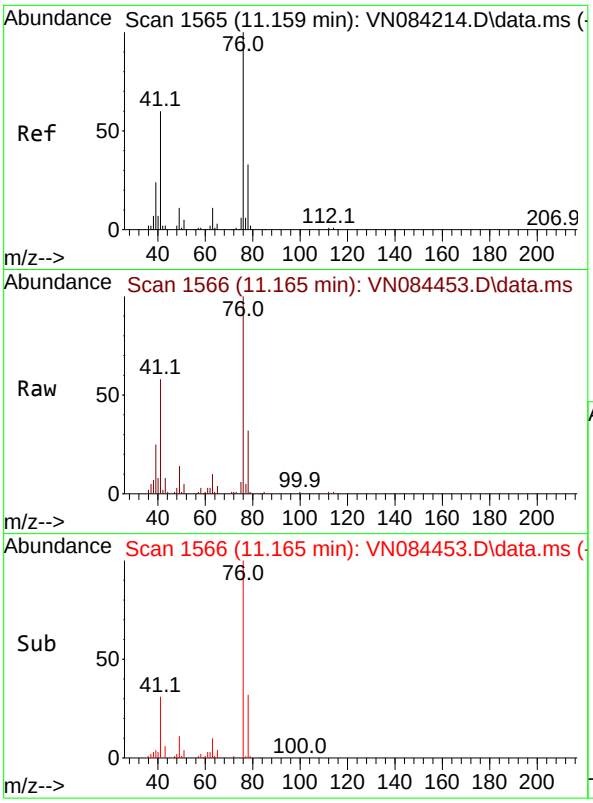


#56
Ethyl methacrylate
Concen: 18.303 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 69 Resp: 59750

Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.3	79.9
39	30.3	28.8	43.2

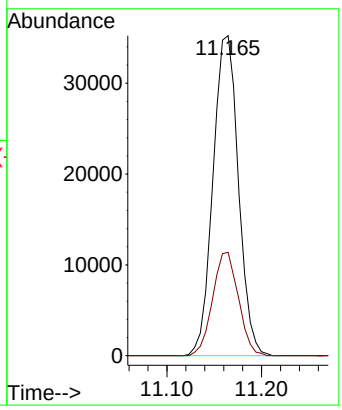




#57
1,3-Dichloropropane
Concen: 18.546 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 76 Resp: 6574

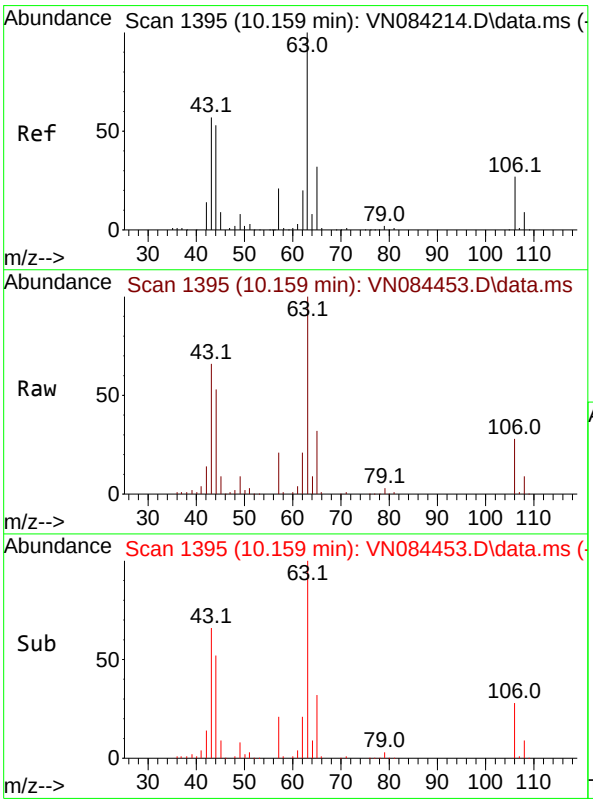
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

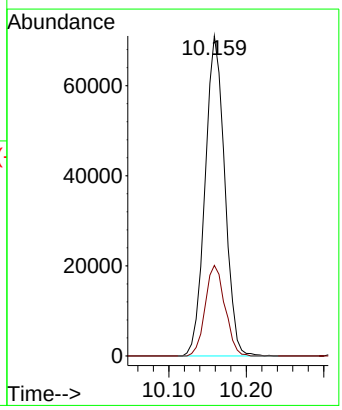
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

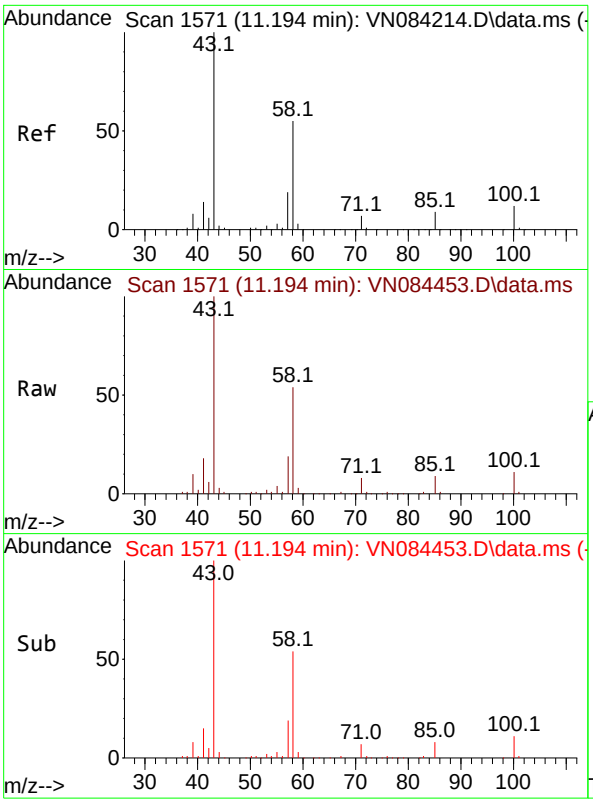


#58
2-Chloroethyl Vinyl ether
Concen: 82.396 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 63 Resp: 124774

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6





#59
2-Hexanone
Concen: 91.370 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

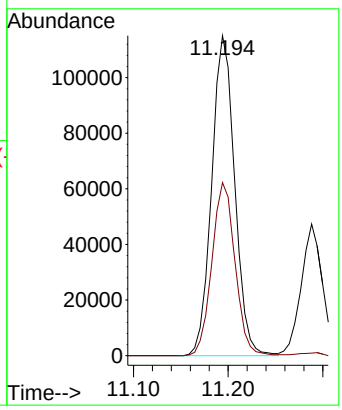
Tgt Ion: 43 Resp: 19426

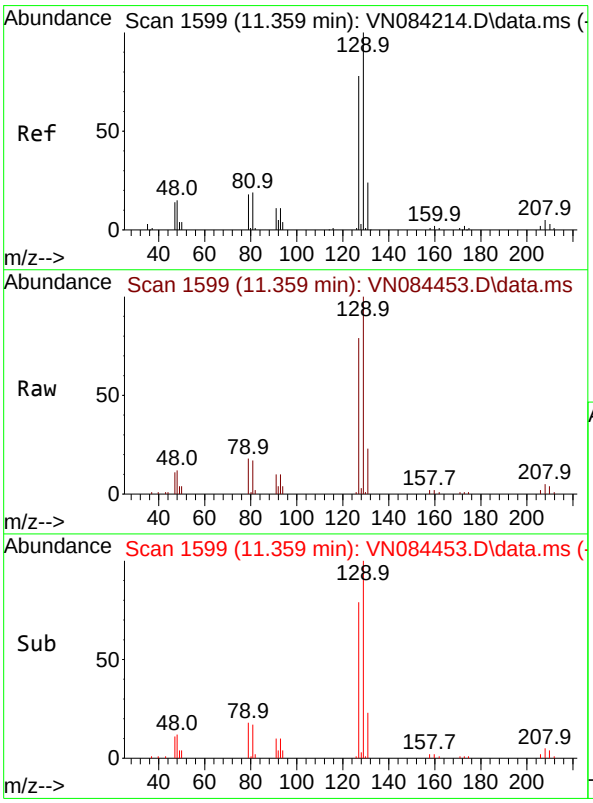
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

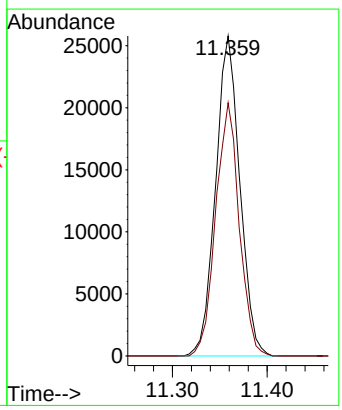


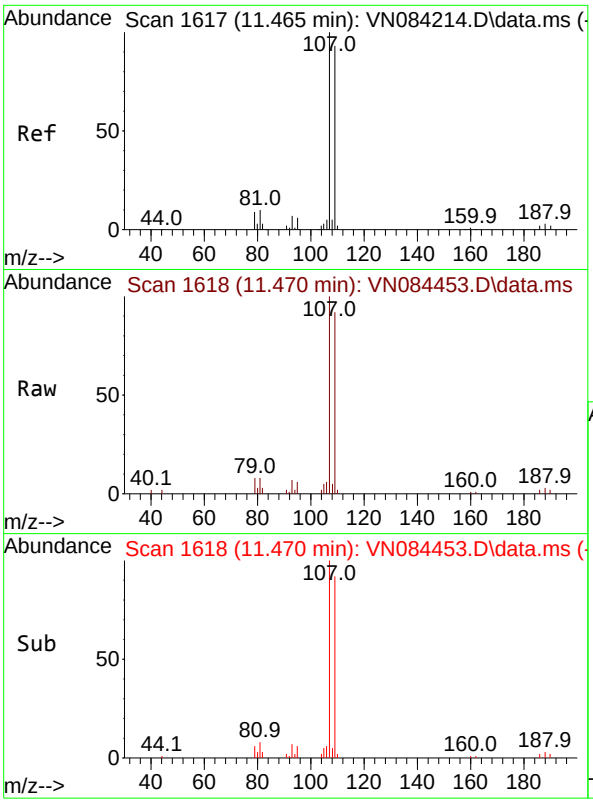


#60
Dibromochloromethane
Concen: 19.568 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:129 Resp: 45869

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9

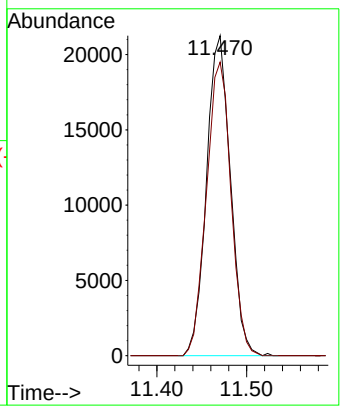




#61
1,2-Dibromoethane
Concen: 19.051 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:107 Resp: 3927

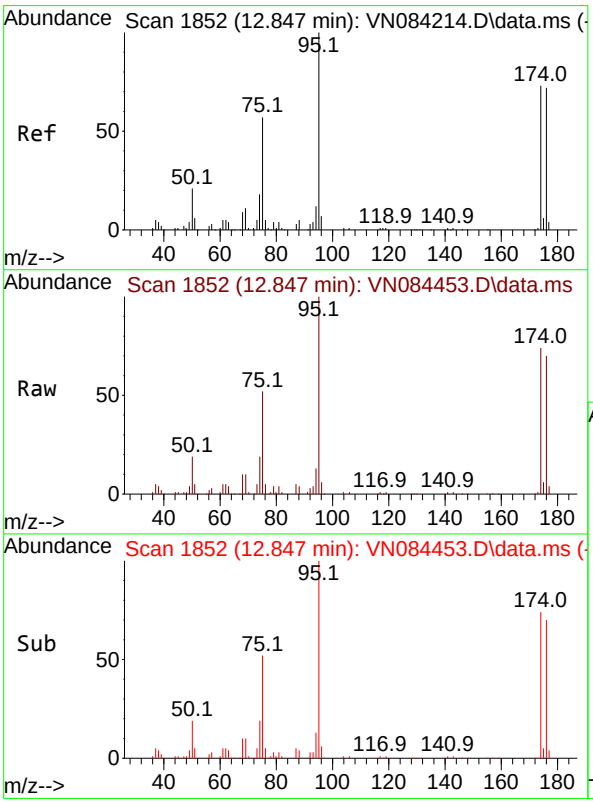
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

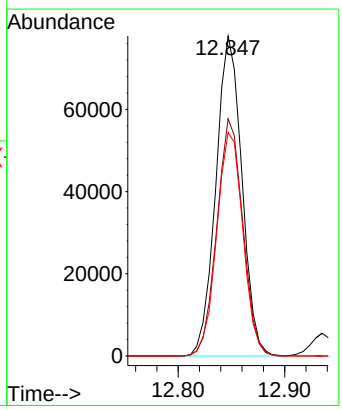
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

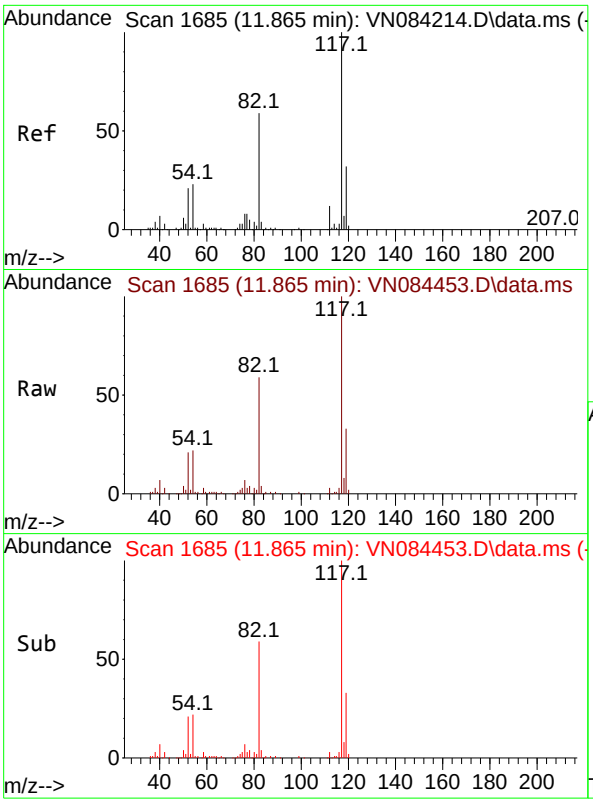


#62
4-Bromofluorobenzene
Concen: 49.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 95 Resp: 131806

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	70.3	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

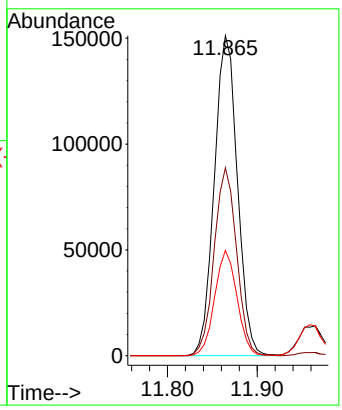
Tgt Ion:117 Resp: 27002

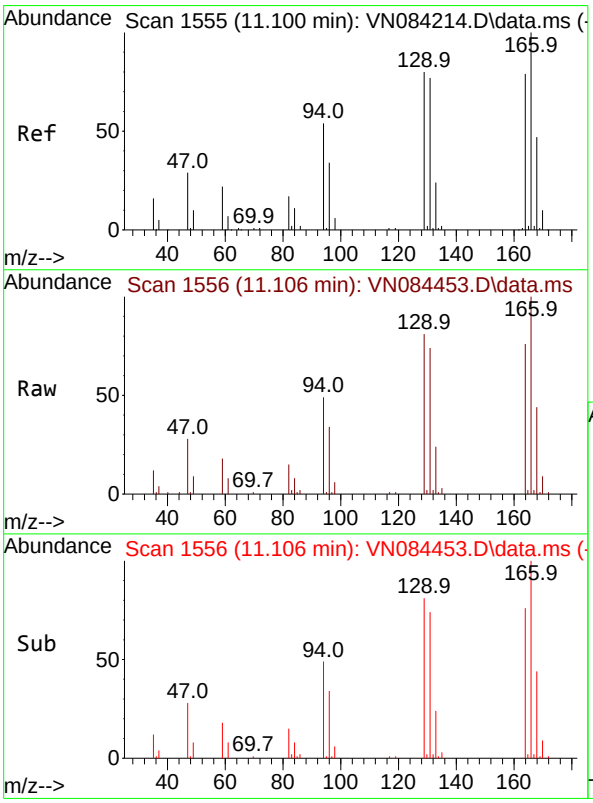
Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	32.9	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

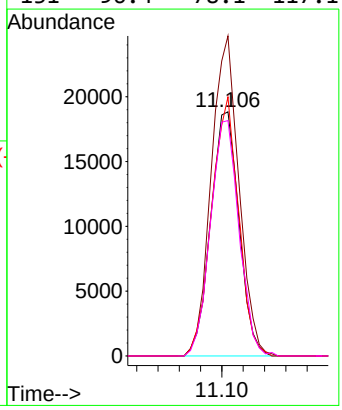


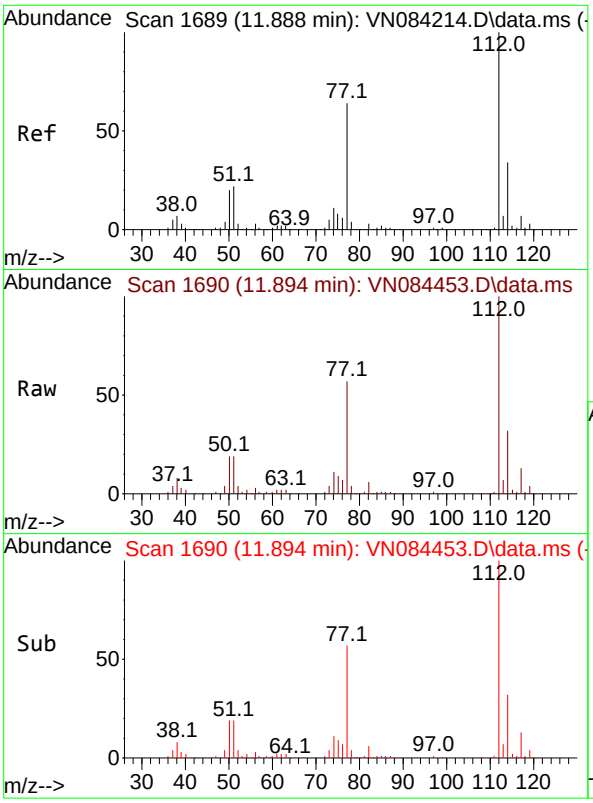


#64
Tetrachloroethene
Concen: 18.439 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:164 Resp: 34680

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.0	151.4
129	106.1	80.8	121.2
131	96.4	78.1	117.1

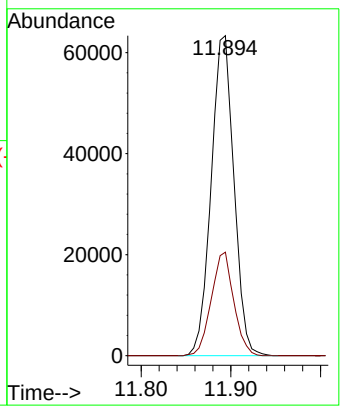




#65
Chlorobenzene
Concen: 18.650 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:112 Resp: 11166

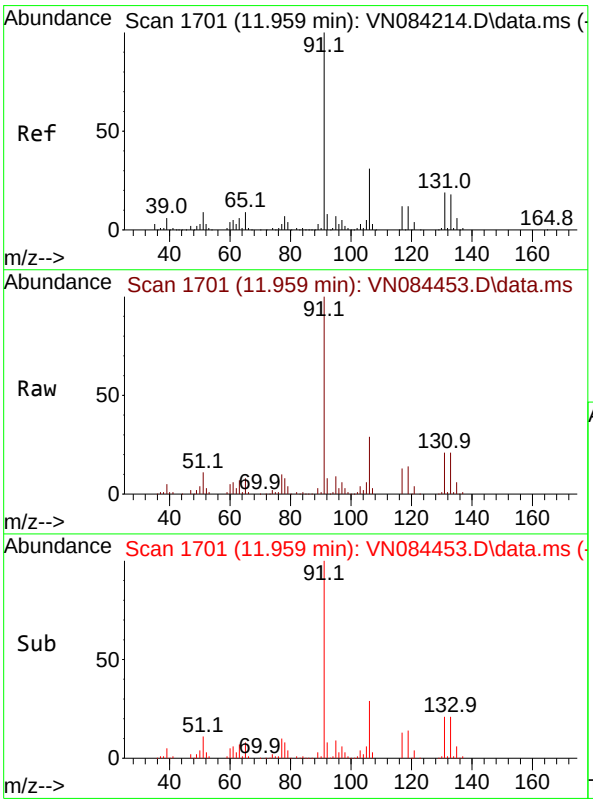
Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
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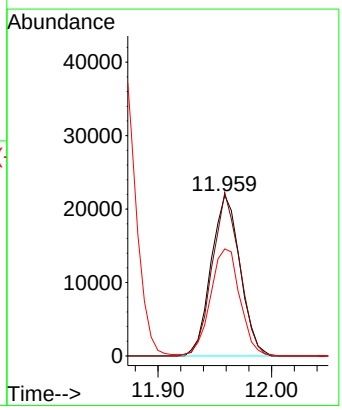
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

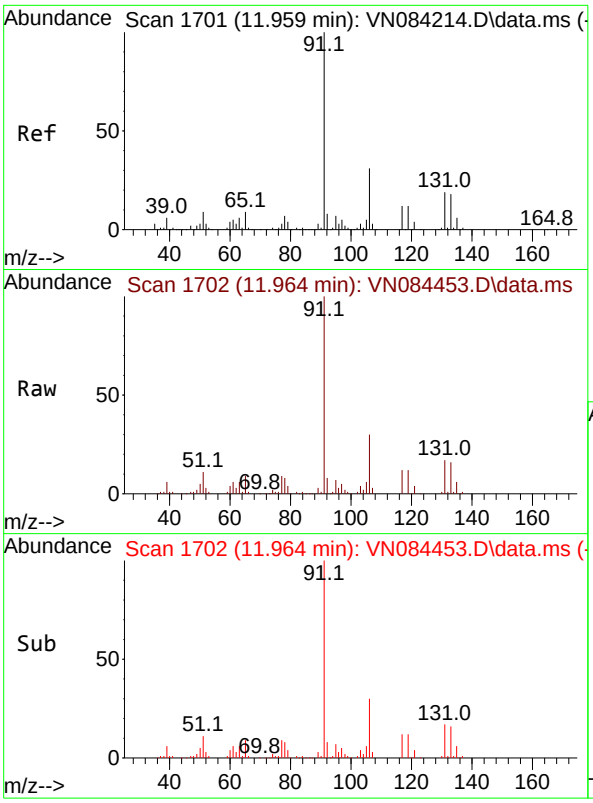


#66
1,1,1,2-Tetrachloroethane
Concen: 18.863 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:131 Resp: 38900

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.7
119	68.1	32.8	98.3

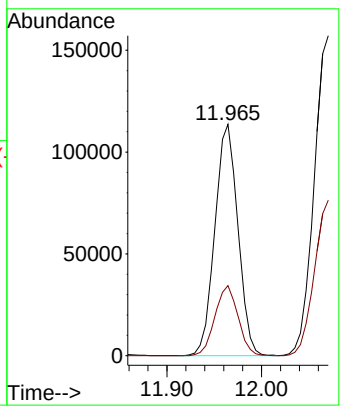




#67
Ethyl Benzene
Concen: 18.137 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 19204

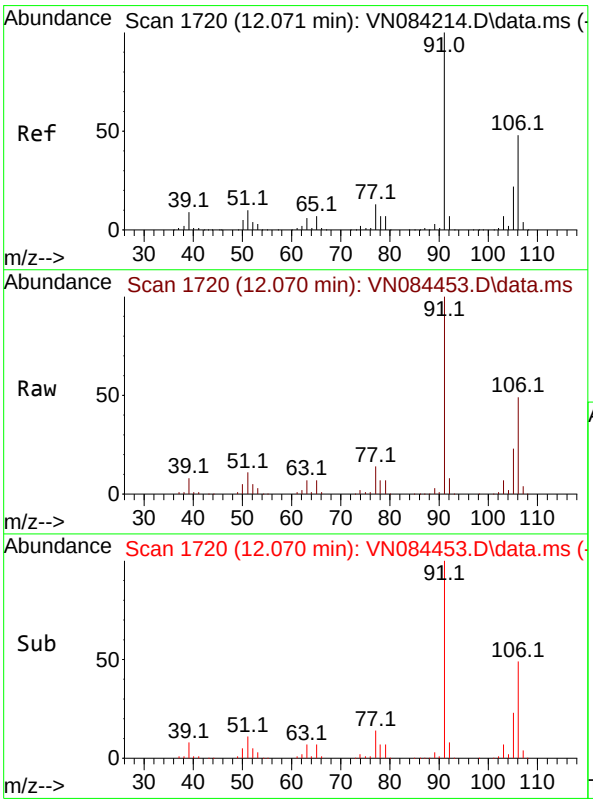
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

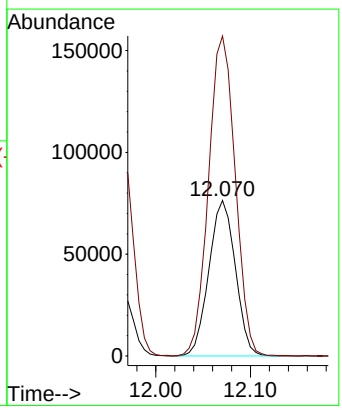
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

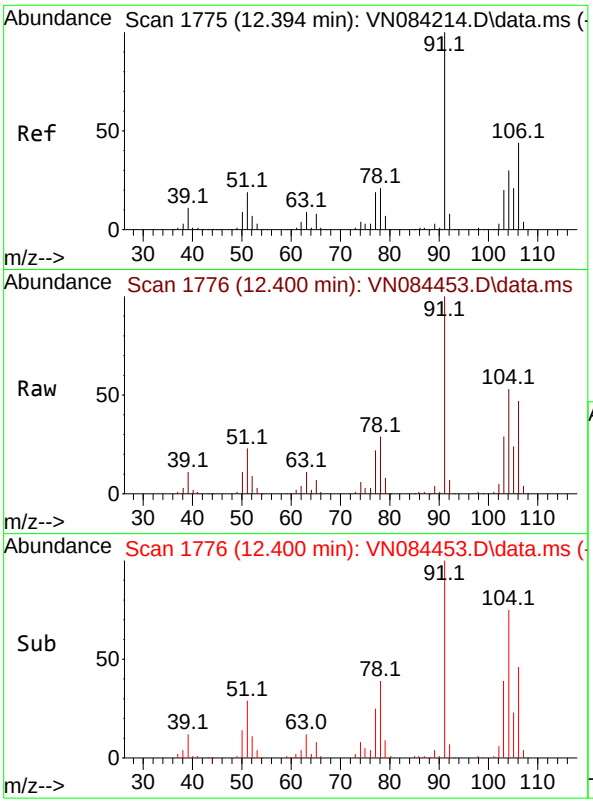


#68
m/p-Xylenes
Concen: 37.836 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:106 Resp: 148188

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7

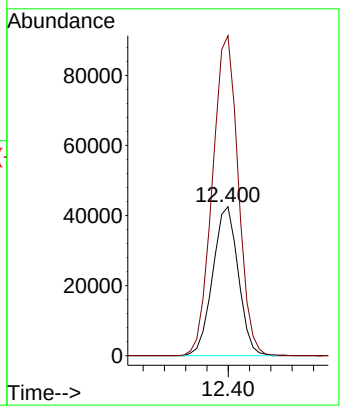




#69
o-Xylene
Concen: 19.078 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:106 Resp: 7069

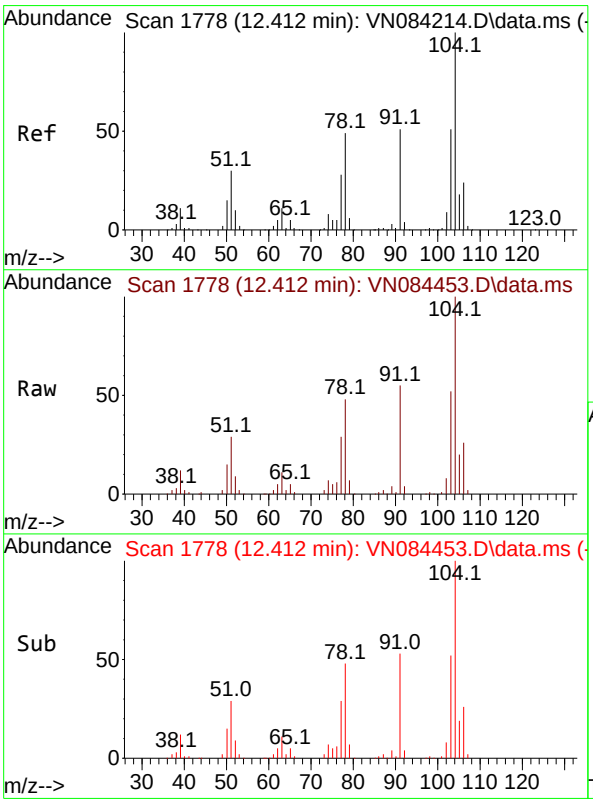
Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

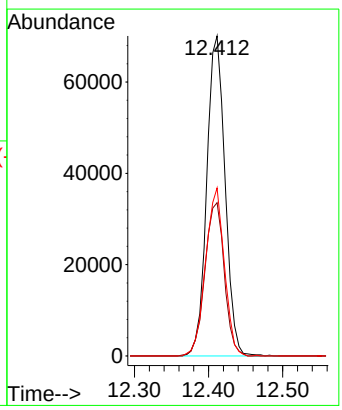
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

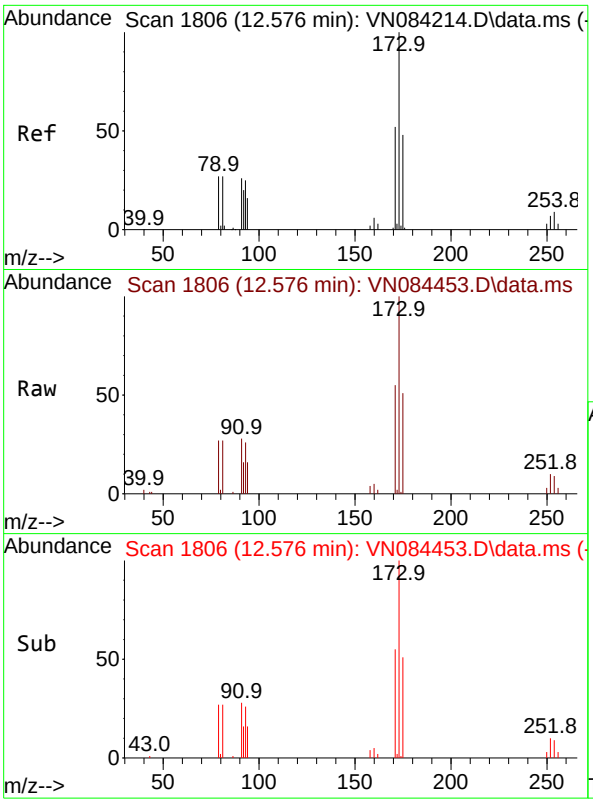


#70
Styrene
Concen: 19.159 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:104 Resp: 120254

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	53.9	43.6	65.4

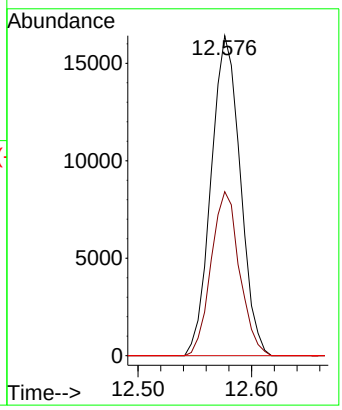




#71
Bromoform
Concen: 19.246 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

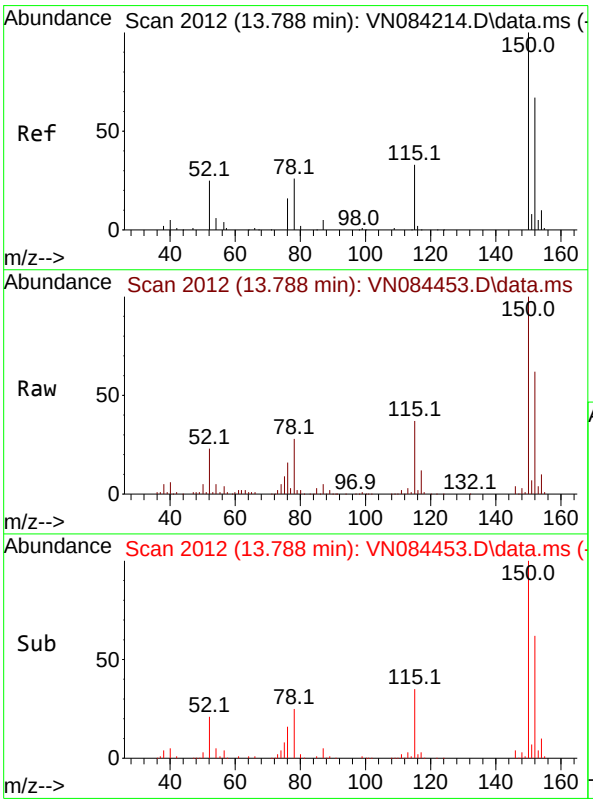
Tgt Ion:173 Resp: 2922

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

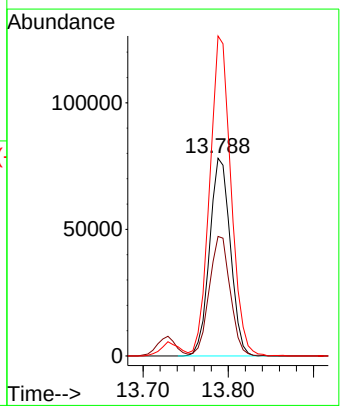
Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

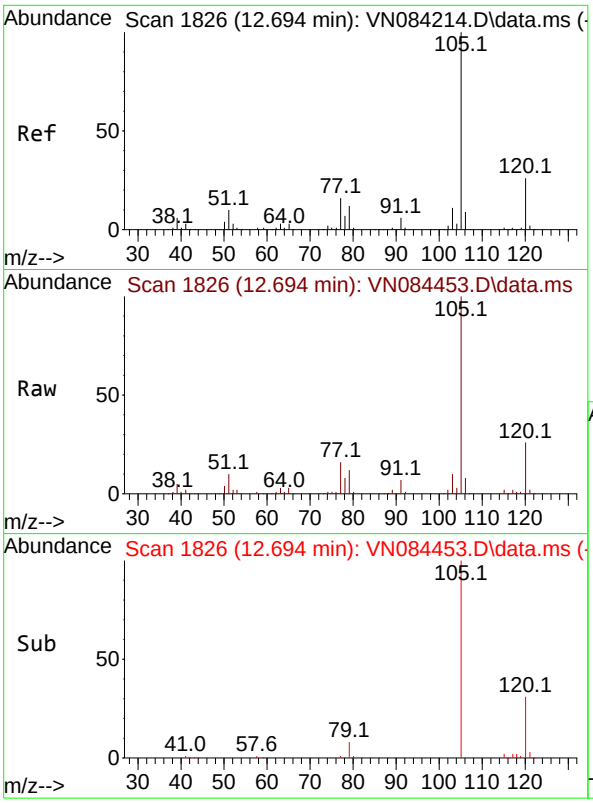


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:152 Resp: 132421

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.3	93.9
150	164.8	0.0	349.8

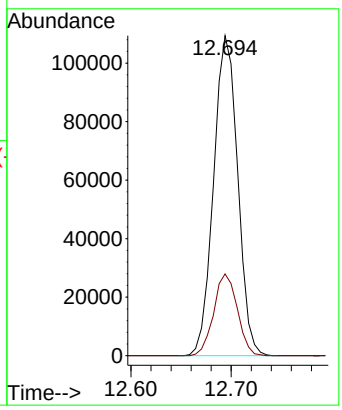




#73
Isopropylbenzene
Concen: 18.034 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:105 Resp: 18223

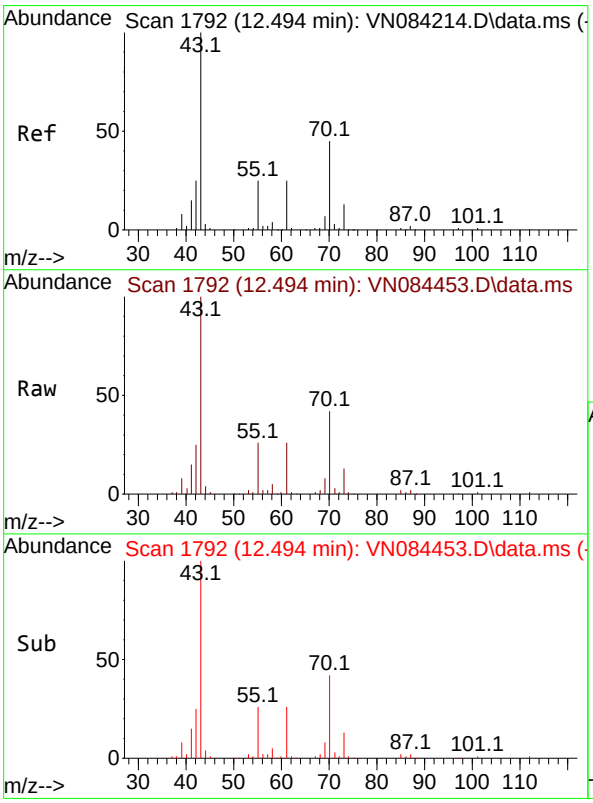
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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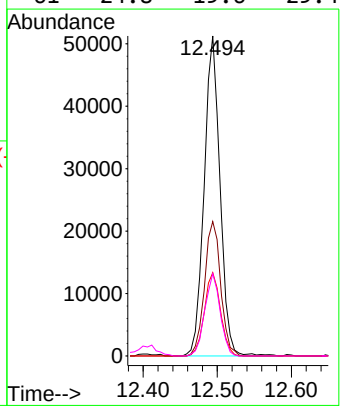
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

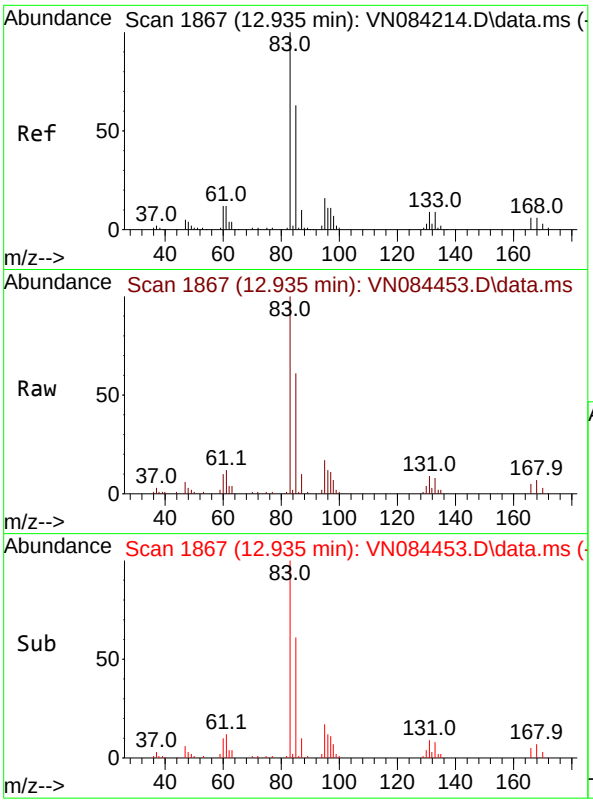


#74
N-amyl acetate
Concen: 16.674 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 76299

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.4	51.6
55	26.4	19.6	29.4
61	24.8	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 18.413 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

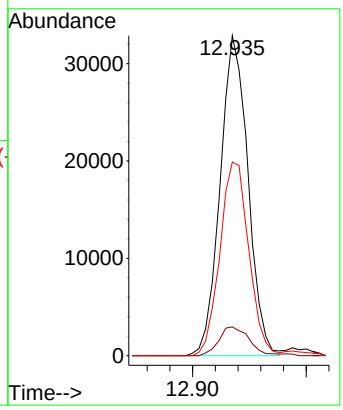
Tgt Ion: 83 Resp: 5594

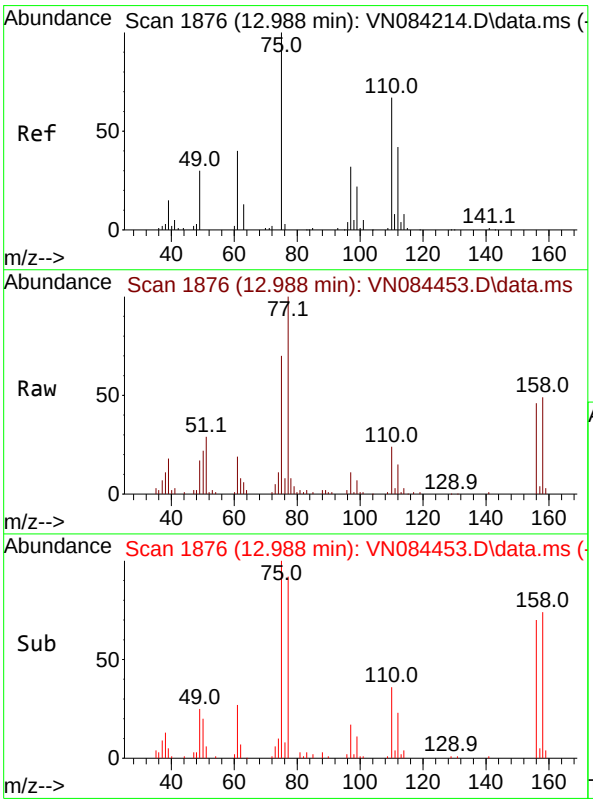
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	62.8	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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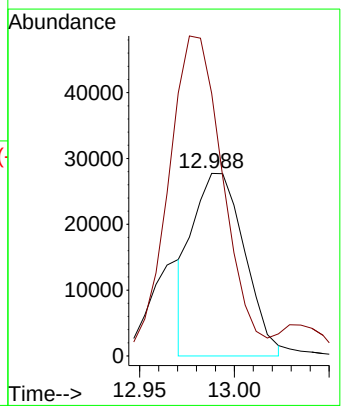


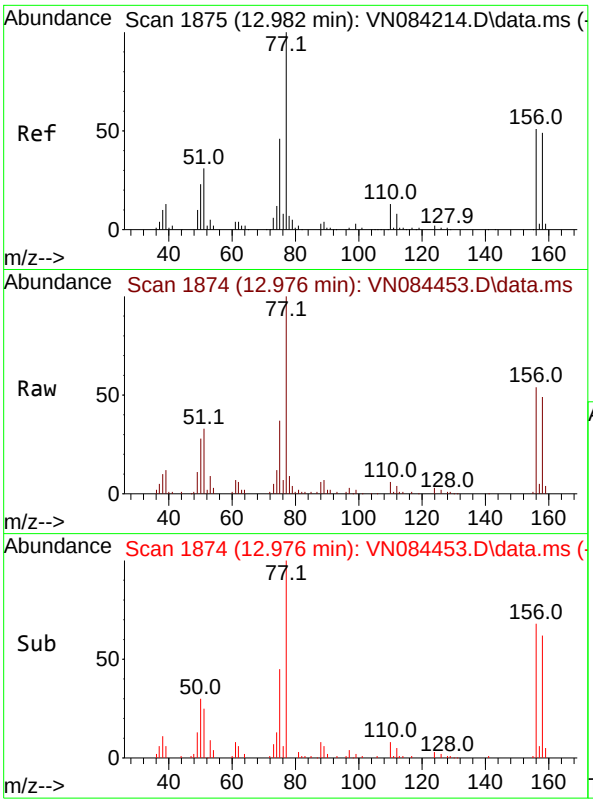


#76
1,2,3-Trichloropropane
Concen: 19.521 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 52772

Ion	Ratio	Lower	Upper
75	100		
77	187.1	96.9	290.7

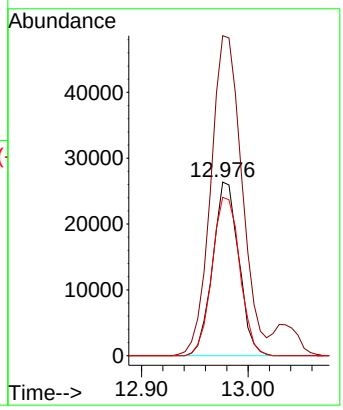




#77
Bromobenzene
Concen: 18.407 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:156 Resp: 4486

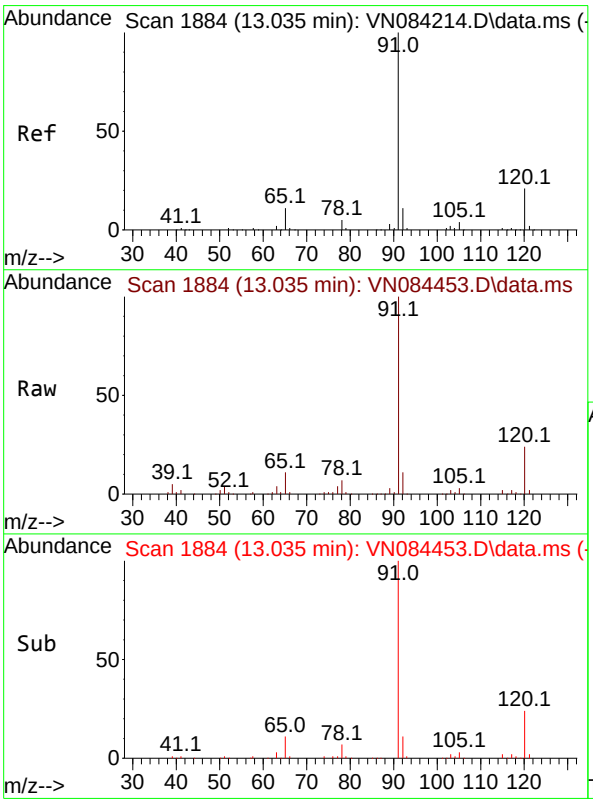
Ion	Ratio	Lower	Upper
156	100		
77	220.0	115.1	345.3
158	96.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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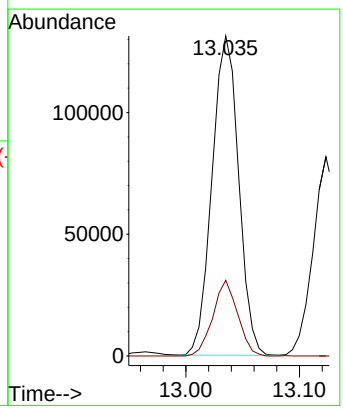
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

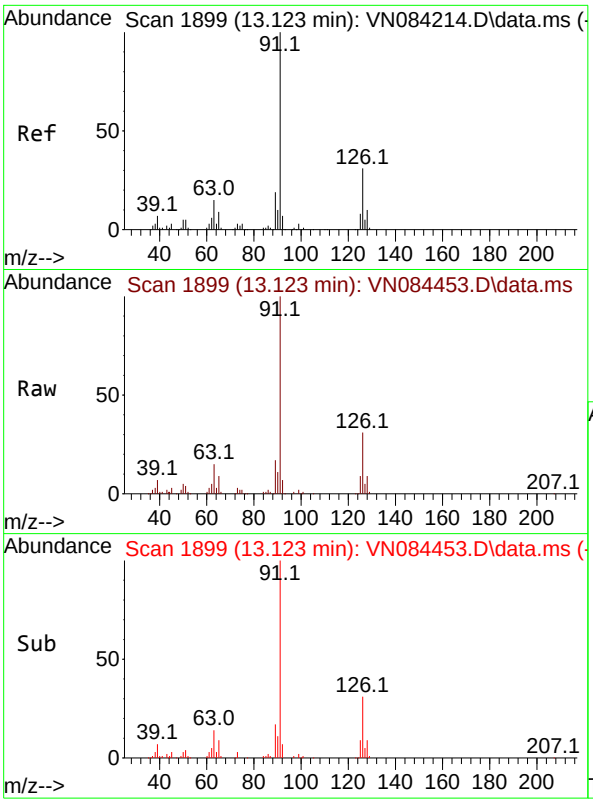


#78
n-propylbenzene
Concen: 18.227 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 213398

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 18.038 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

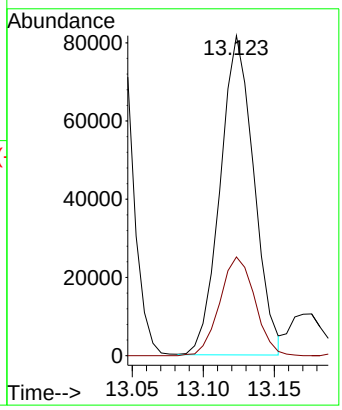
Tgt Ion: 91 Resp: 13475

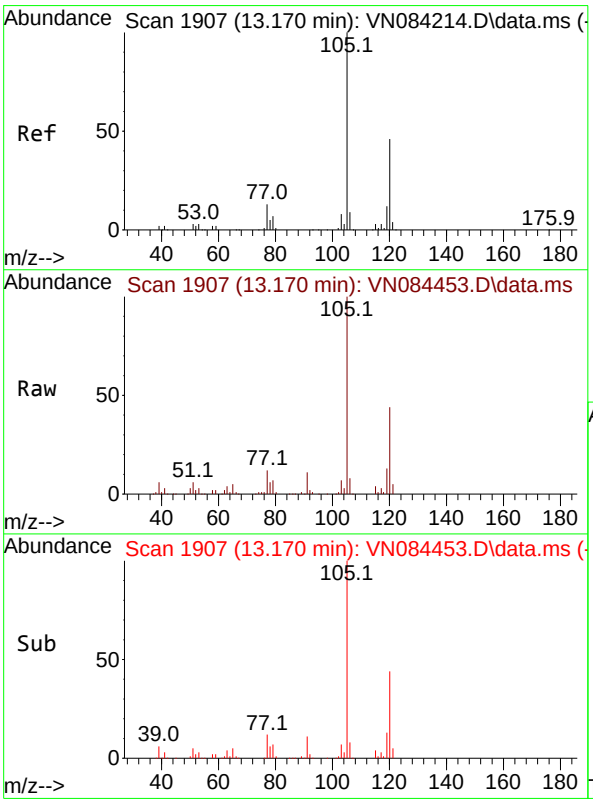
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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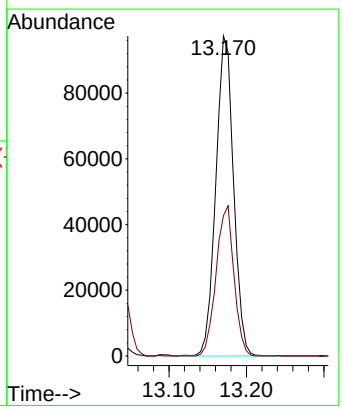


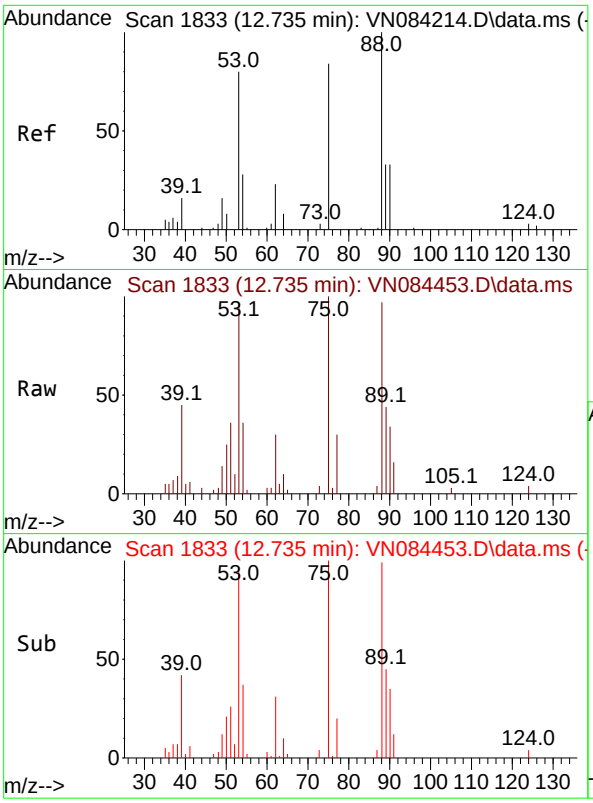


#80
1,3,5-Trimethylbenzene
Concen: 18.794 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:105 Resp: 154916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

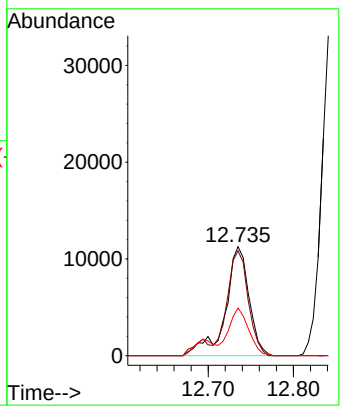




#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 2172

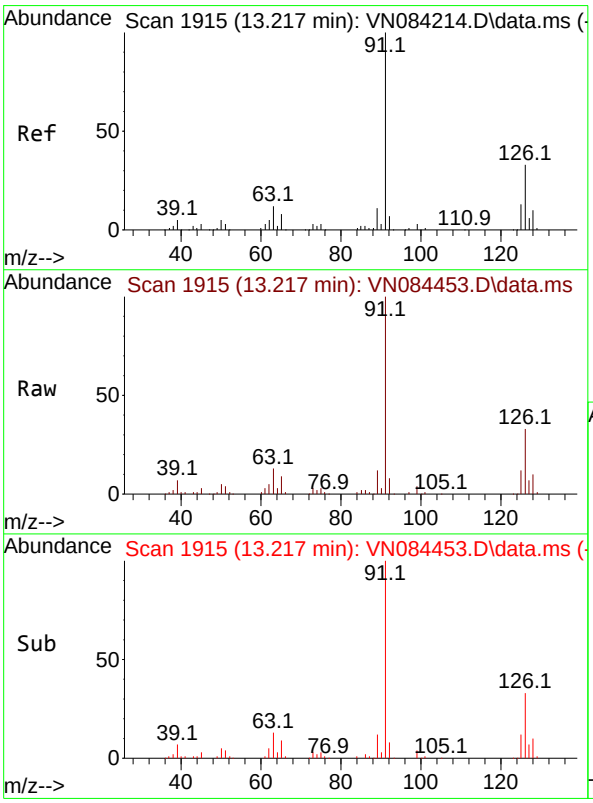
Ion	Ratio	Lower	Upper
75	100		
53	84.7	78.0	117.0
89	36.9	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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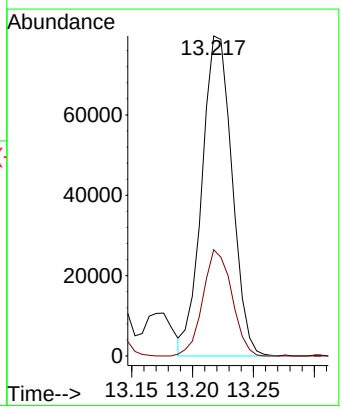
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

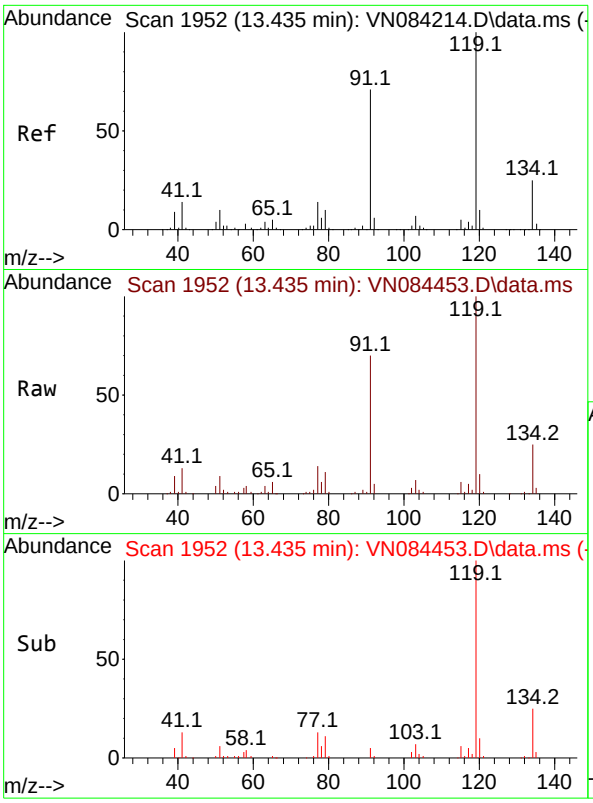


#82
4-Chlorotoluene
Concen: 18.243 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 137196

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

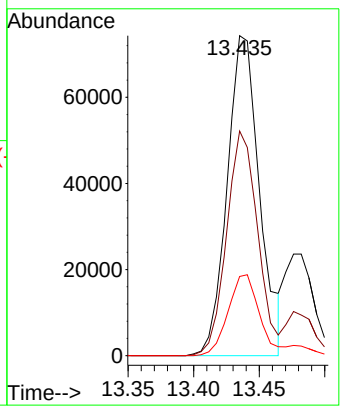




#83
tert-Butylbenzene
Concen: 17.454 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:119 Resp: 12786

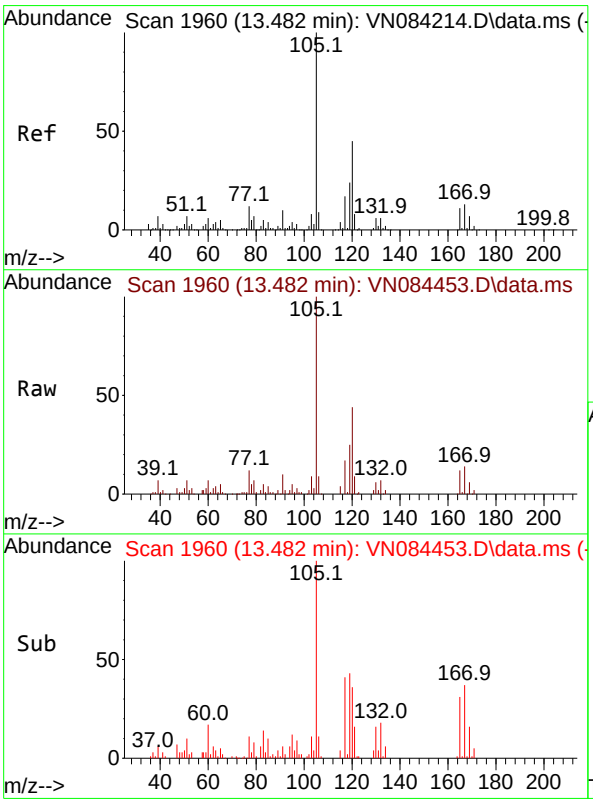
Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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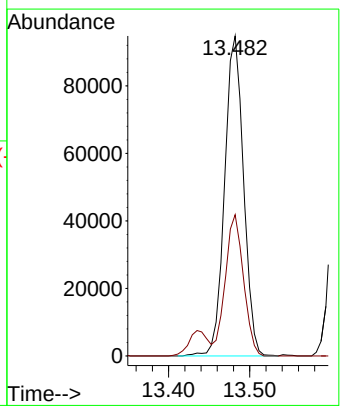
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

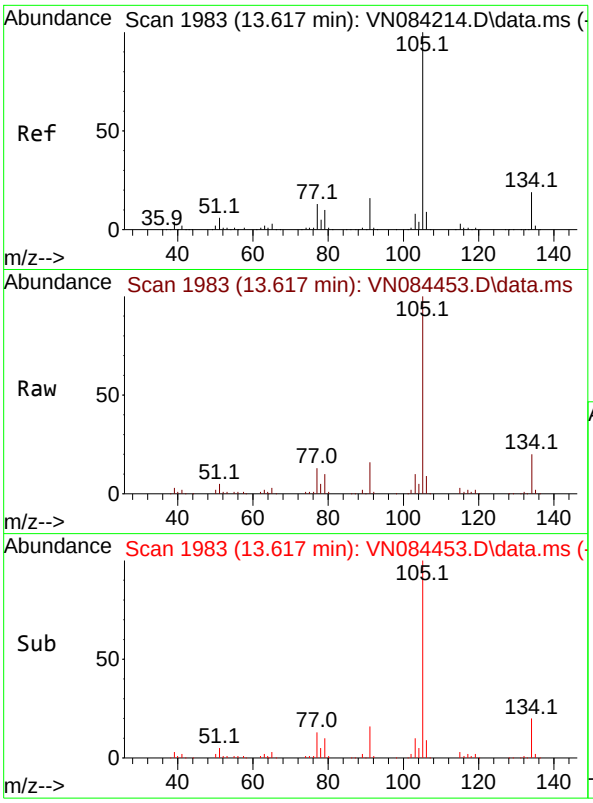


#84
1,2,4-Trimethylbenzene
Concen: 18.508 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:105 Resp: 153680

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.3	66.8





#85
sec-Butylbenzene
Concen: 18.027 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

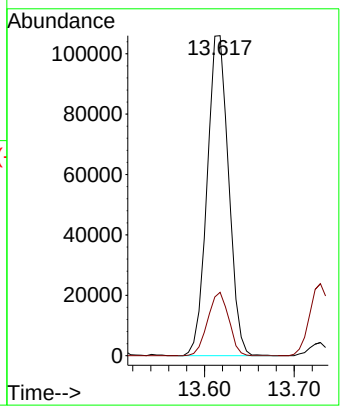
Tgt Ion:105 Resp: 17623

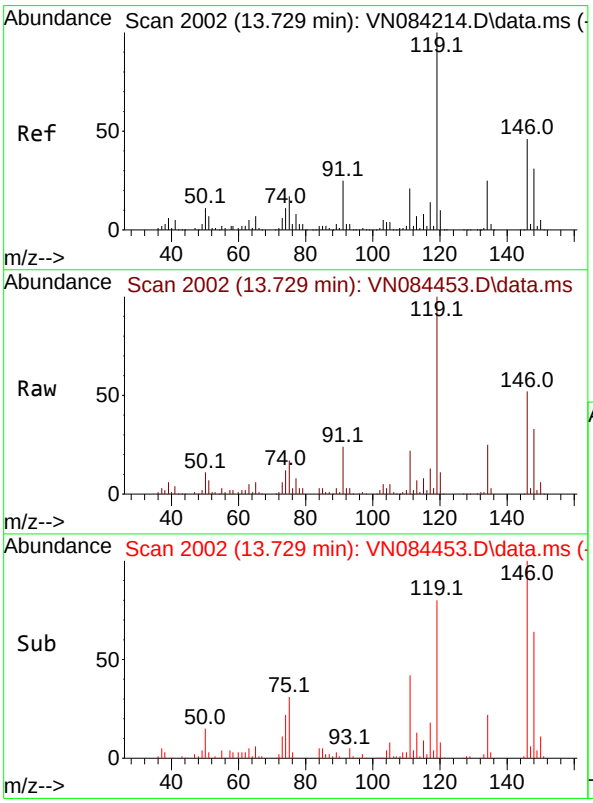
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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Supervised By :Mahesh Dadoda 10/23/2024

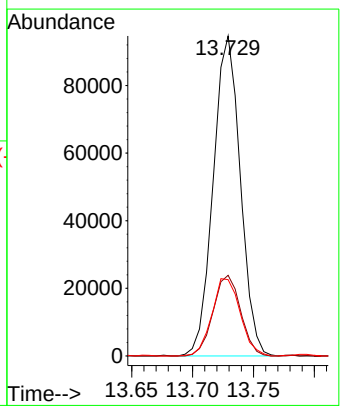


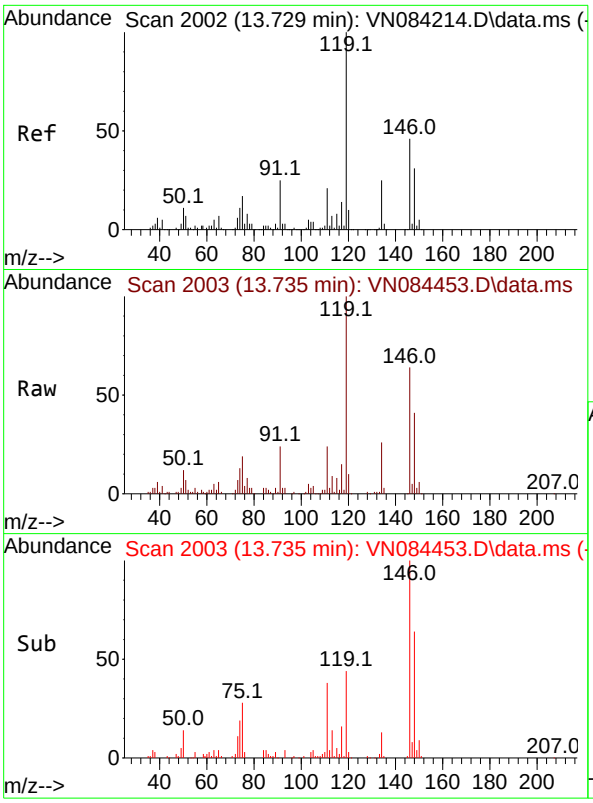


#86
p-Isopropyltoluene
Concen: 18.133 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:119 Resp: 146590

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2

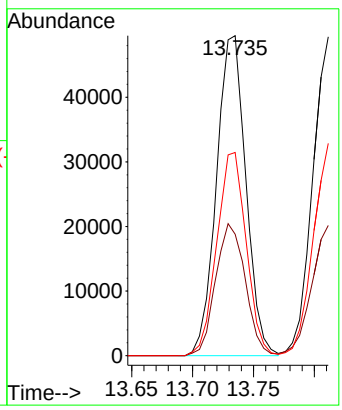




#87
1,3-Dichlorobenzene
Concen: 18.204 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:146 Resp: 8323

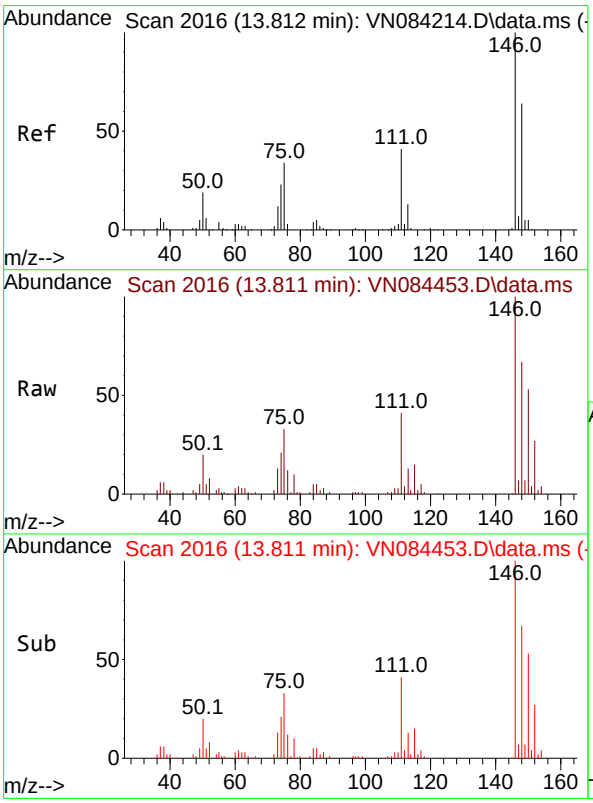
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

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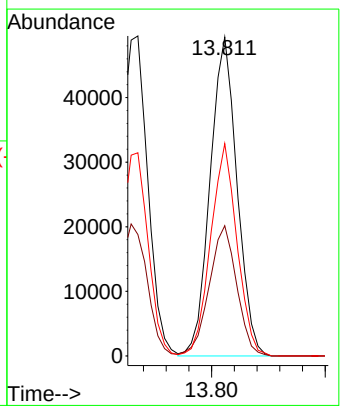
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

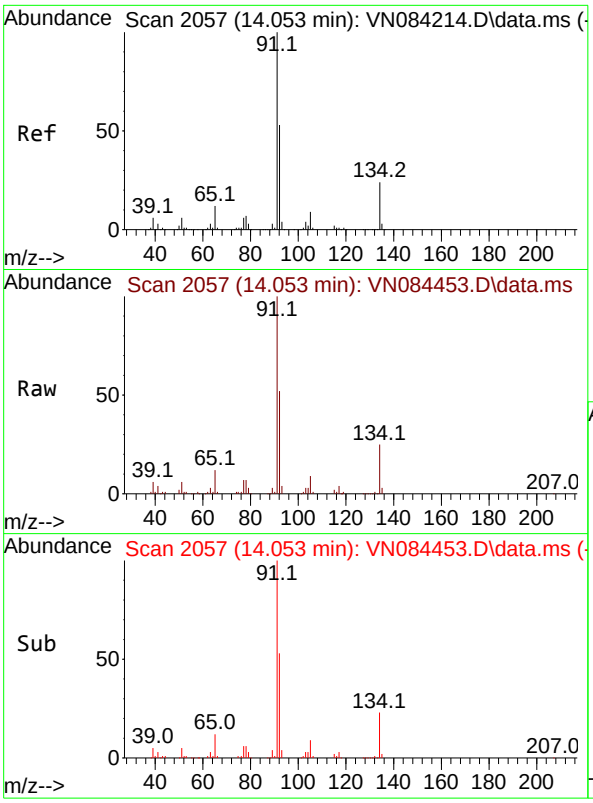


#88
1,4-Dichlorobenzene
Concen: 17.612 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:146 Resp: 81325

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	65.2	31.9	95.9

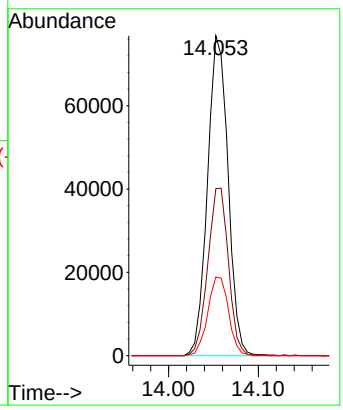




#89
n-Butylbenzene
Concen: 16.668 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 12218

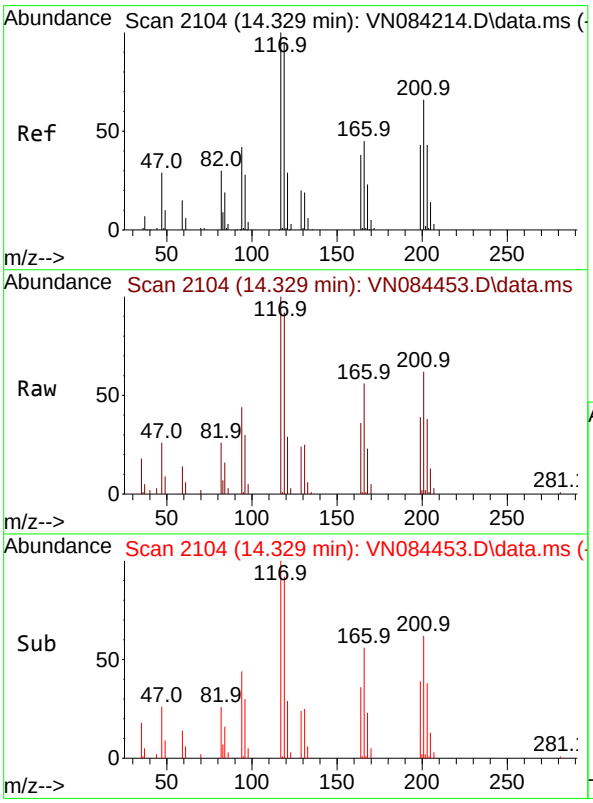
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	24.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

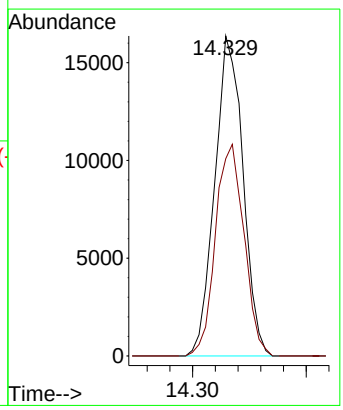
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

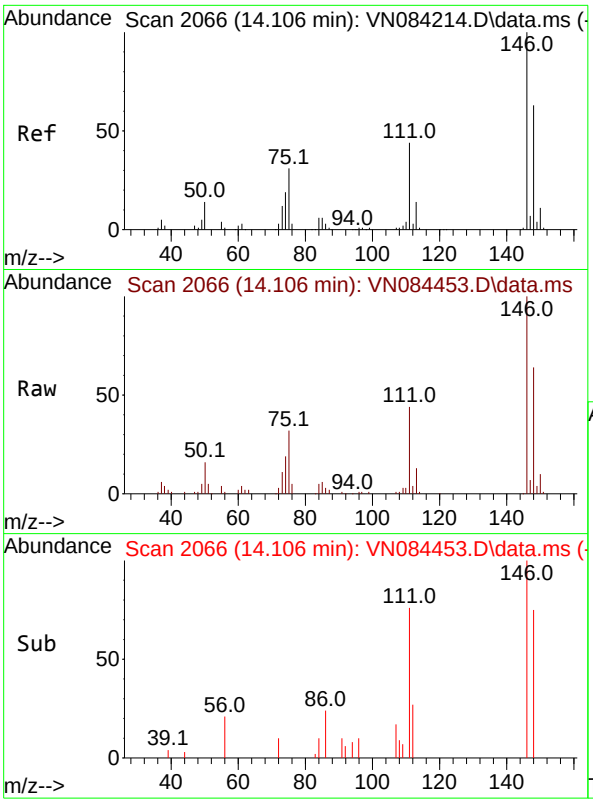


#90
Hexachloroethane
Concen: 17.213 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:117 Resp: 28246

Ion	Ratio	Lower	Upper
117	100		
201	66.9	34.4	103.2

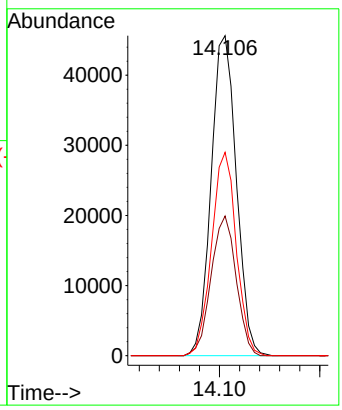




#91
1,2-Dichlorobenzene
Concen: 17.766 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:146 Resp: 7965

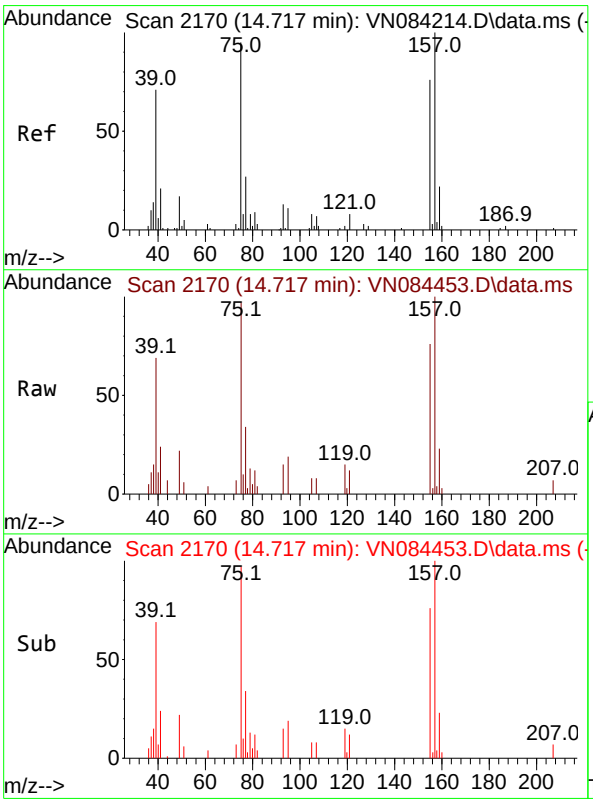
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	62.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

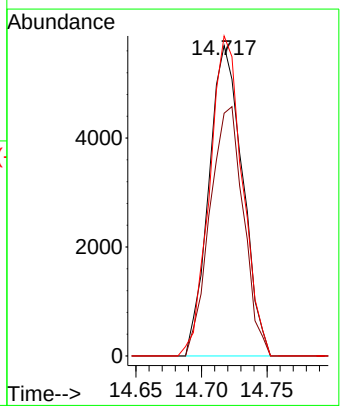
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

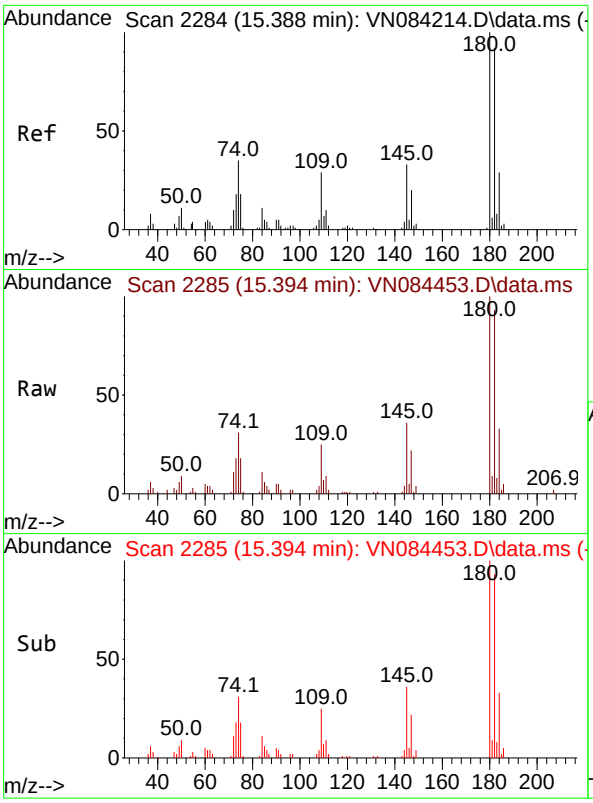


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.285 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 10211

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.1	114.5
157	100.0	49.6	149.0

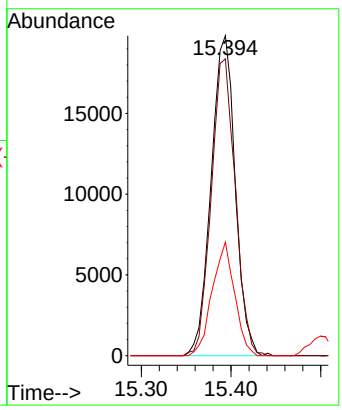




#93
1,2,4-Trichlorobenzene
Concen: 16.741 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:180 Resp: 3697

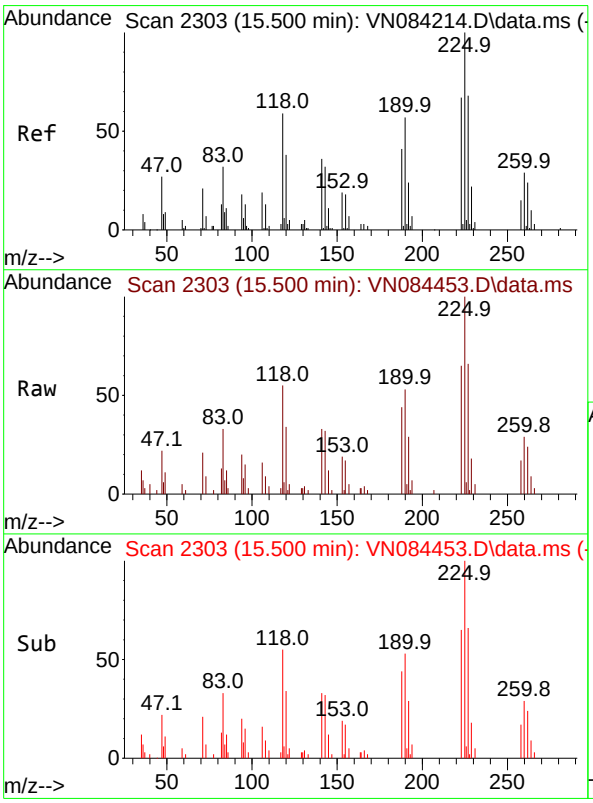
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.0
145	33.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

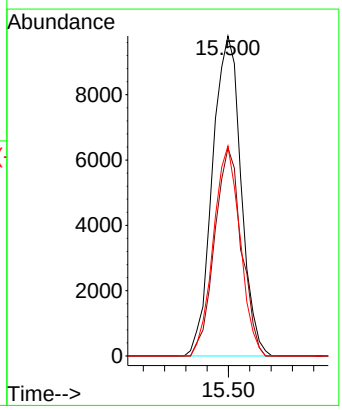
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

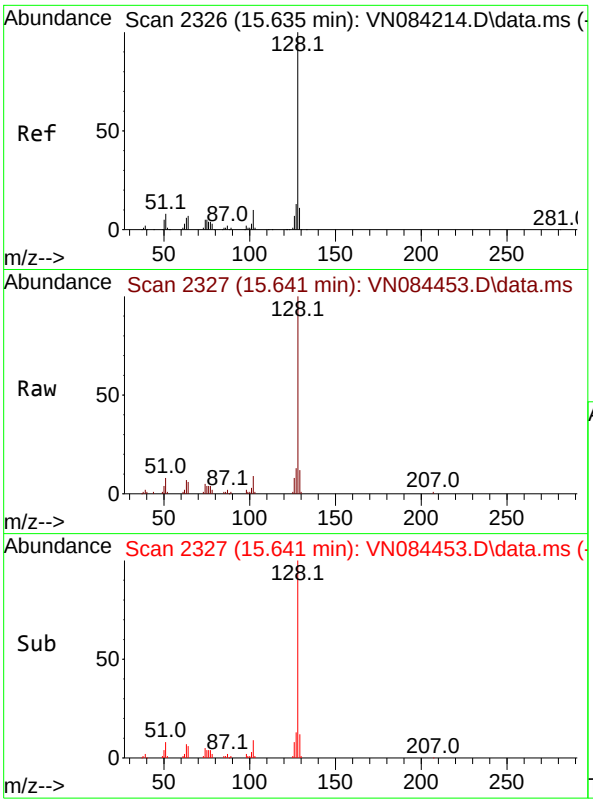


#94
Hexachlorobutadiene
Concen: 16.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:225 Resp: 18220

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	61.2	32.4	97.0

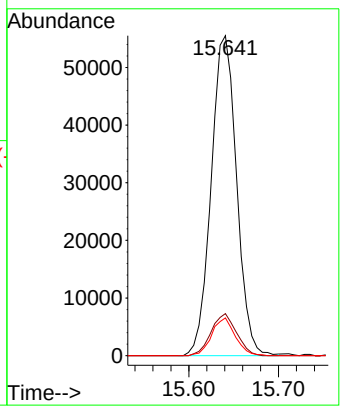




#95
Naphthalene
Concen: 14.927 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:128 Resp: 10928

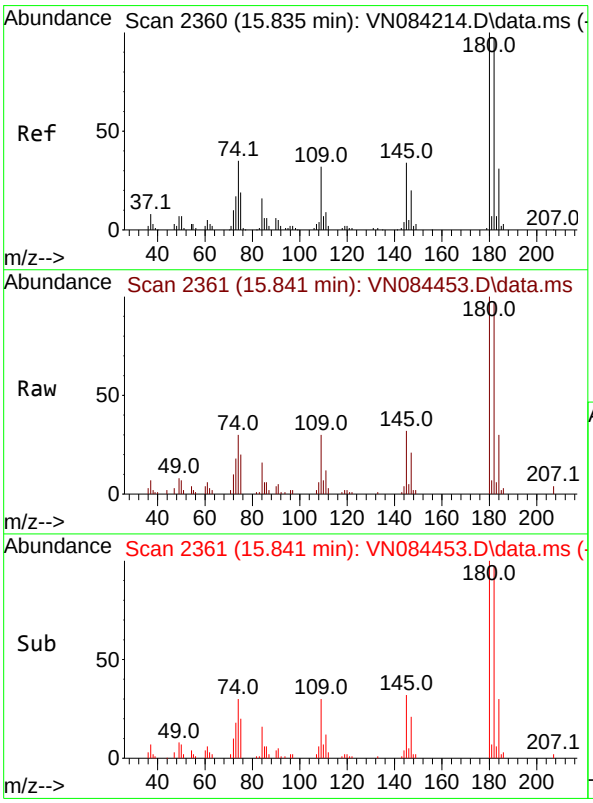
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations
APPROVED

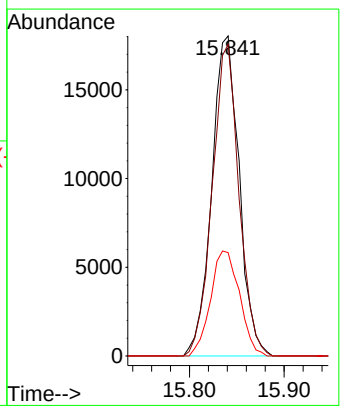
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#96
1,2,3-Trichlorobenzene
Concen: 16.382 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:180 Resp: 36215

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	34.8	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:	VN1022WBSD01	SDG No.:	P4475
Lab Sample ID:	VN1022WBSD01	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
VN084454.D	1		10/22/24 14:45	VN102224

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	16.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	15.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	84.1		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		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	92.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.8		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.0		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	96.4		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:	VN1022WBSD01	SDG No.:	P4475
Lab Sample ID:	VN1022WBSD01	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
VN084454.D	1		10/22/24 14:45	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.2		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	19.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		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	19.9		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.7		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	284000	9.1				
3114-55-4	Chlorobenzene-d5	252000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.794				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118385	49.091	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.180%			
35) Dibromofluoromethane	8.165	113	92800	49.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.020%			
50) Toluene-d8	10.565	98	331212	48.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.060%			
62) 4-Bromofluorobenzene	12.847	95	122807	48.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	28241	14.679	ug/l	88
3) Chloromethane	2.359	50	35405	16.117	ug/l	99
4) Vinyl Chloride	2.512	62	35054	16.474	ug/l	95
5) Bromomethane	2.959	94	25307	18.031	ug/l	95
6) Chloroethane	3.124	64	23899	15.683	ug/l	98
7) Trichlorofluoromethane	3.494	101	59328	17.905	ug/l	91
8) Diethyl Ether	3.959	74	22634	18.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	34776	18.317	ug/l	99
10) Methyl Iodide	4.589	142	44688	18.277	ug/l	99
11) Tert butyl alcohol	5.518	59	34892	87.746	ug/l	100
12) 1,1-Dichloroethene	4.341	96	32769	17.894	ug/l	93
13) Acrolein	4.177	56	29404	64.411	ug/l	98
14) Allyl chloride	5.024	41	53581	16.847	ug/l	98
15) Acrylonitrile	5.718	53	97676	97.270	ug/l	99
16) Acetone	4.430	43	87135	84.111	ug/l	96
17) Carbon Disulfide	4.718	76	96268	16.603	ug/l	97
18) Methyl Acetate	5.030	43	44581	19.744	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	121253	19.617	ug/l	98
20) Methylene Chloride	5.277	84	41617	19.762	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	36611	19.082	ug/l	99
22) Diisopropyl ether	6.671	45	127788	19.425	ug/l	95
23) Vinyl Acetate	6.600	43	471205	96.571	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72140	19.609	ug/l	98
25) 2-Butanone	7.482	43	130207	92.281	ug/l	100
26) 2,2-Dichloropropane	7.488	77	58286	17.571	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	44657	19.262	ug/l	96
28) Bromochloromethane	7.812	49	32800	19.982	ug/l	98
29) Tetrahydrofuran	7.841	42	84216	96.717	ug/l	98
30) Chloroform	7.965	83	74218	19.421	ug/l	94
31) Cyclohexane	8.259	56	59952	16.784	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	64815	18.885	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50527	18.560	ug/l	98
37) Ethyl Acetate	7.559	43	53479	19.148	ug/l	97
38) Carbon Tetrachloride	8.359	117	55533	18.596	ug/l	92
39) Methylcyclohexane	9.600	83	52431	17.305	ug/l	95
40) Benzene	8.606	78	160063	18.871	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29208	19.263 ug/l		96
42) 1,2-Dichloroethane	8.671	62	56362	19.601 ug/l		99
43) Isopropyl Acetate	8.688	43	87329	15.964 ug/l		97
44) Trichloroethene	9.353	130	37196	18.776 ug/l		95
45) 1,2-Dichloropropane	9.618	63	40032	19.951 ug/l		100
46) Dibromomethane	9.706	93	28247	20.861 ug/l		98
47) Bromodichloromethane	9.888	83	59421	19.752 ug/l		96
48) Methyl methacrylate	9.676	41	39452	18.117 ug/l		98
49) 1,4-Dioxane	9.694	88	15410	384.377 ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	265413	99.827 ug/l		99
52) Toluene	10.629	92	98137	18.974 ug/l		98
53) t-1,3-Dichloropropene	10.835	75	58118	18.952 ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	62876	19.062 ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	38703	20.873 ug/l		96
56) Ethyl methacrylate	10.876	69	58523	19.181 ug/l		99
57) 1,3-Dichloropropane	11.159	76	67142	20.265 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124778	88.160 ug/l		99
59) 2-Hexanone	11.194	43	191652	96.444 ug/l		99
60) Dibromochloromethane	11.359	129	45689	20.855 ug/l		98
61) 1,2-Dibromoethane	11.470	107	39095	20.291 ug/l		98
64) Tetrachloroethene	11.106	164	33764	19.244 ug/l		97
65) Chlorobenzene	11.888	112	109394	19.587 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.965	131	36735	19.096 ug/l		98
67) Ethyl Benzene	11.965	91	180220	18.246 ug/l		99
68) m/p-Xylenes	12.070	106	141783	38.806 ug/l		97
69) o-Xylene	12.400	106	65662	18.995 ug/l		96
70) Styrene	12.412	104	113796	19.435 ug/l		98
71) Bromoform	12.582	173	28447	20.085 ug/l	#	95
73) Isopropylbenzene	12.694	105	167871	18.213 ug/l		99
74) N-amyl acetate	12.494	43	74246	17.789 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55170	19.906 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	51860m	21.031 ug/l		
77) Bromobenzene	12.982	156	42558	19.142 ug/l		96
78) n-propylbenzene	13.035	91	202008	18.916 ug/l		100
79) 2-Chlorotoluene	13.123	91	126589	18.577 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	144609	19.234 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	18211	17.706 ug/l		96
82) 4-Chlorotoluene	13.223	91	130226	18.984 ug/l		99
83) tert-Butylbenzene	13.435	119	120683	18.060 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	146120	19.292 ug/l		99
85) sec-Butylbenzene	13.617	105	166811	18.707 ug/l		100
86) p-Isopropyltoluene	13.729	119	139521	18.921 ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	78103	18.726 ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	79624	18.904 ug/l		100
89) n-Butylbenzene	14.053	91	118654	17.746 ug/l		99
90) Hexachloroethane	14.335	117	26884	17.962 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	75541	18.471 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10570	18.481 ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36540	18.139 ug/l		99
94) Hexachlorobutadiene	15.500	225	17391	17.312 ug/l		97
95) Naphthalene	15.641	128	109616	16.414 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	35947	17.827 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

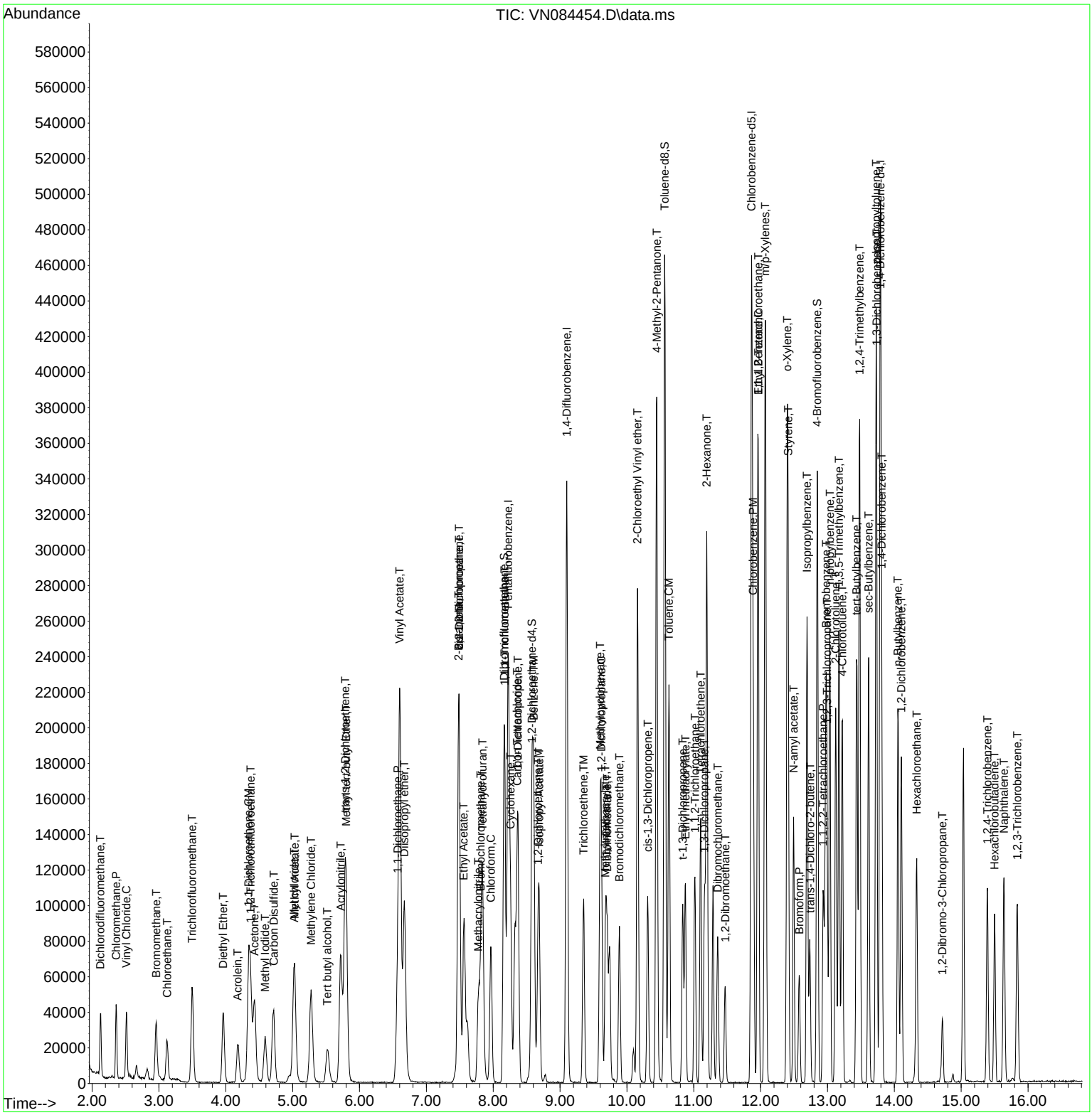
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Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

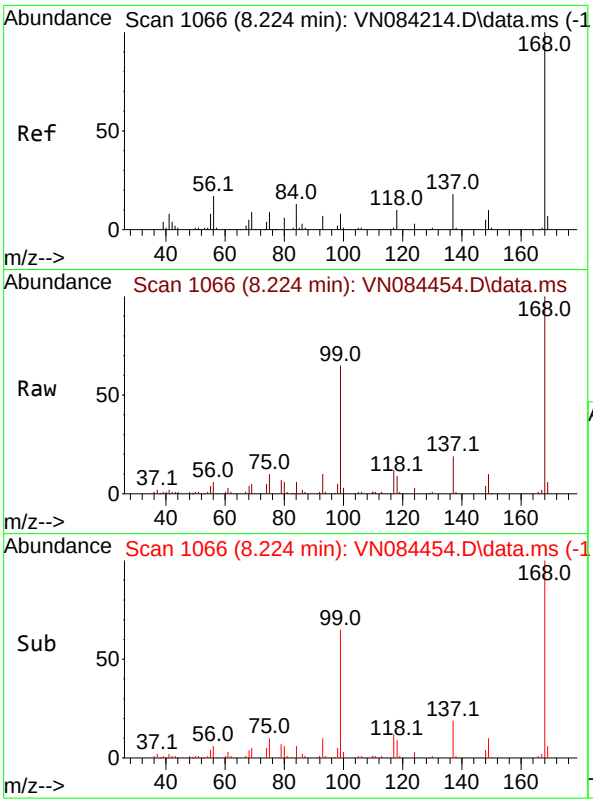
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

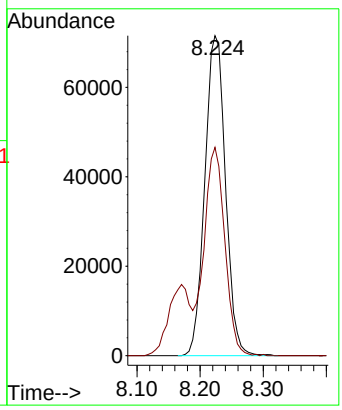




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:168 Resp: 16264

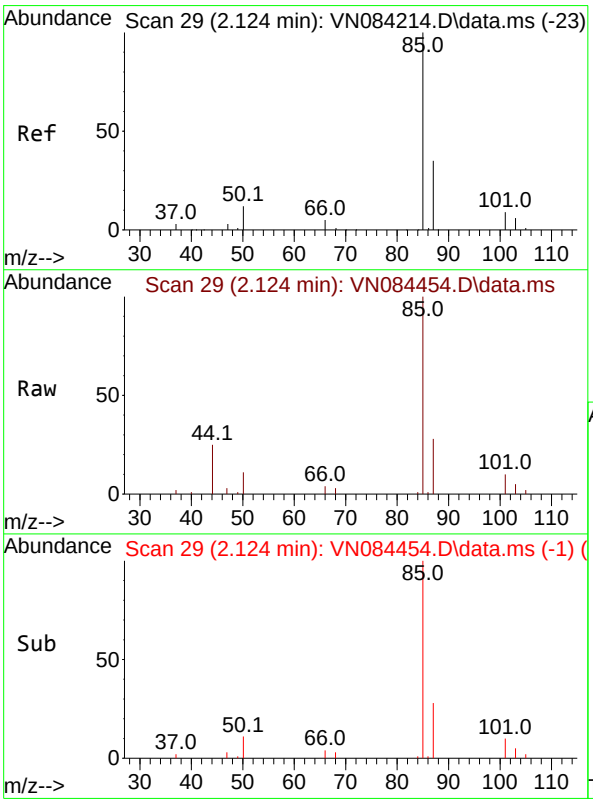
Ion	Ratio	Lower	Upper
168	100		
99	65.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

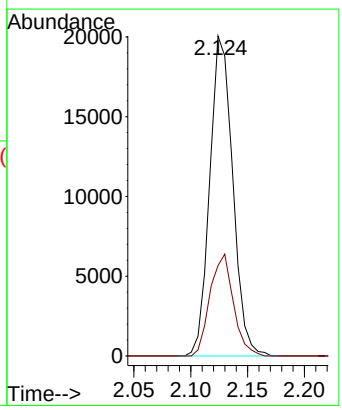
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

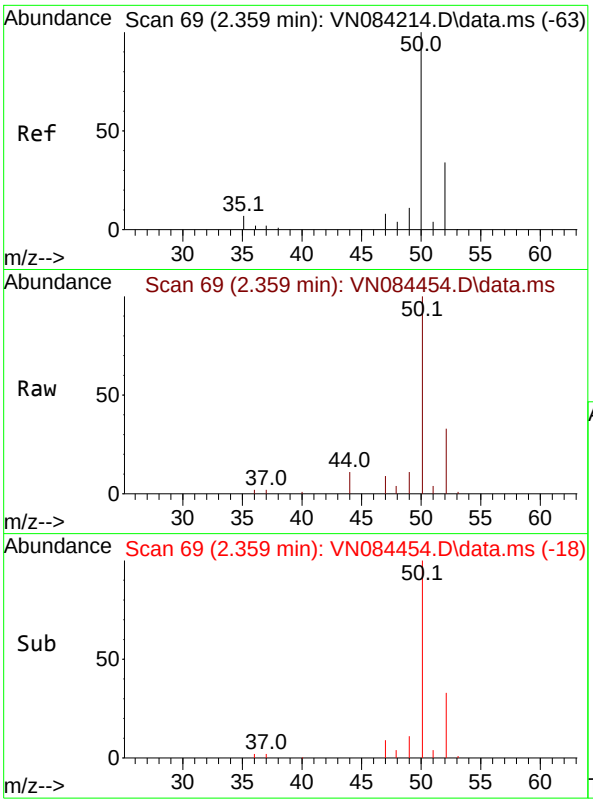


#2
Dichlorodifluoromethane
Concen: 14.679 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 85 Resp: 28241

Ion	Ratio	Lower	Upper
85	100		
87	28.3	17.6	52.9

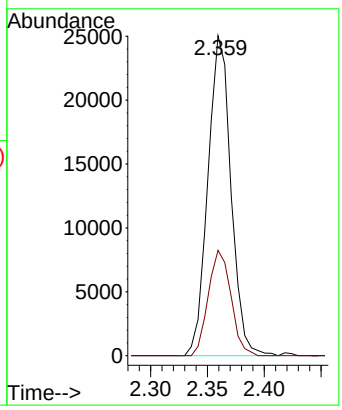




#3
Chloromethane
Concen: 16.117 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 50 Resp: 3540

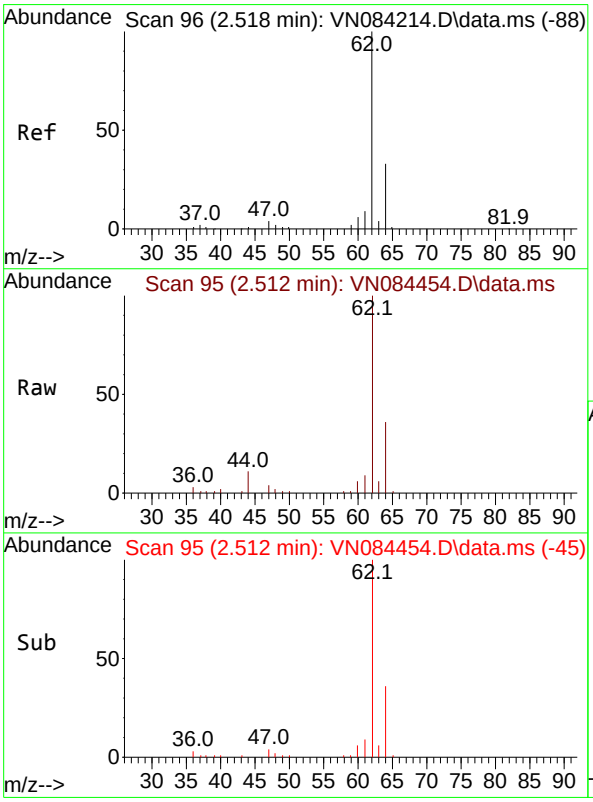
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

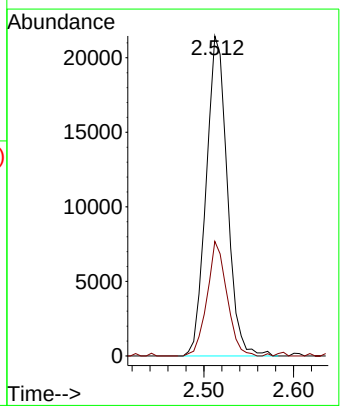
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

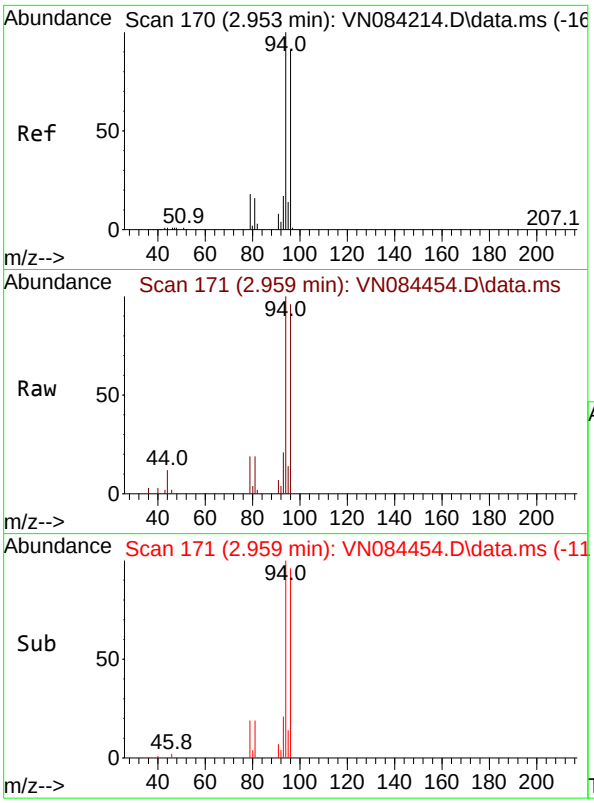


#4
Vinyl Chloride
Concen: 16.474 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 62 Resp: 35054

Ion	Ratio	Lower	Upper
62	100		
64	35.8	26.2	39.4

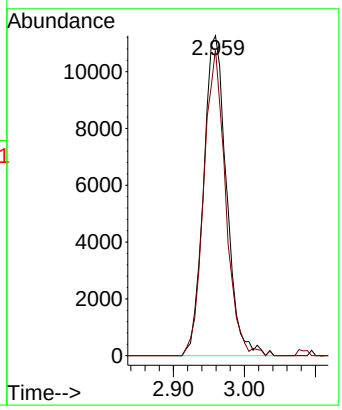




#5
Bromomethane
Concen: 18.031 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 94 Resp: 2530

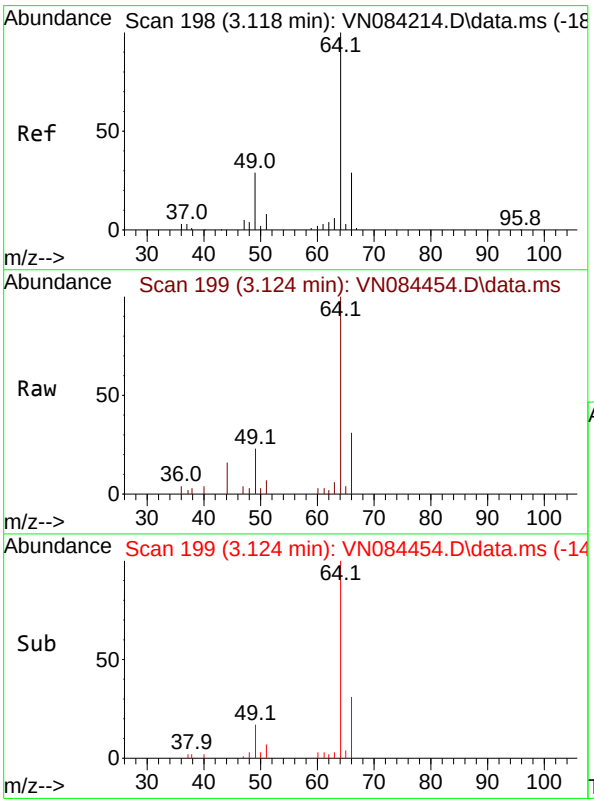
Ion	Ratio	Lower	Upper
94	100		
96	95.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

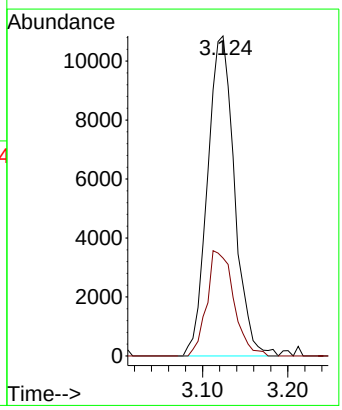
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

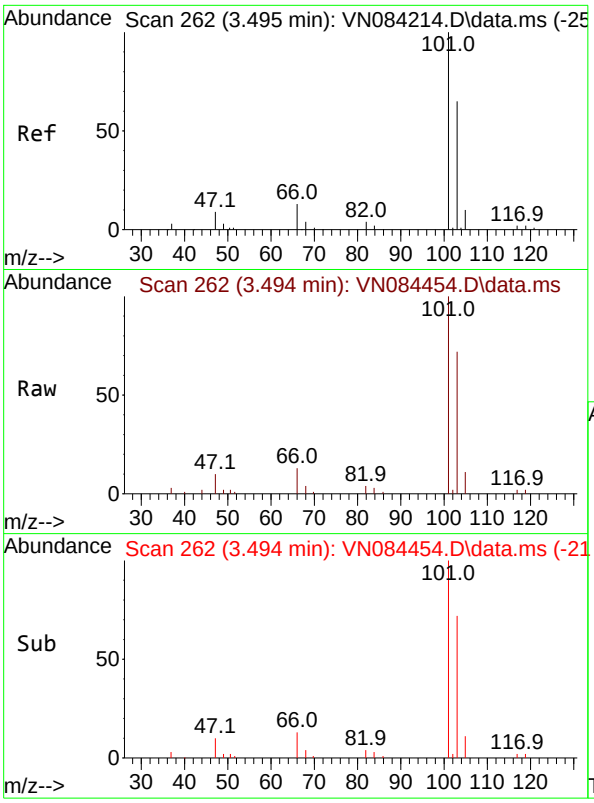


#6
Chloroethane
Concen: 15.683 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 64 Resp: 23899

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3

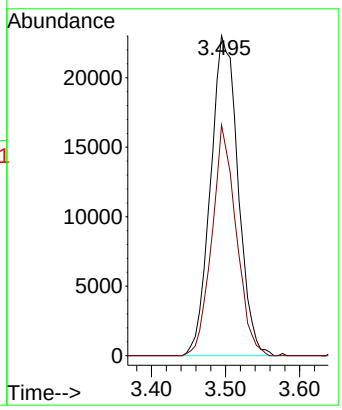




#7
Trichlorofluoromethane
Concen: 17.905 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:101 Resp: 5932

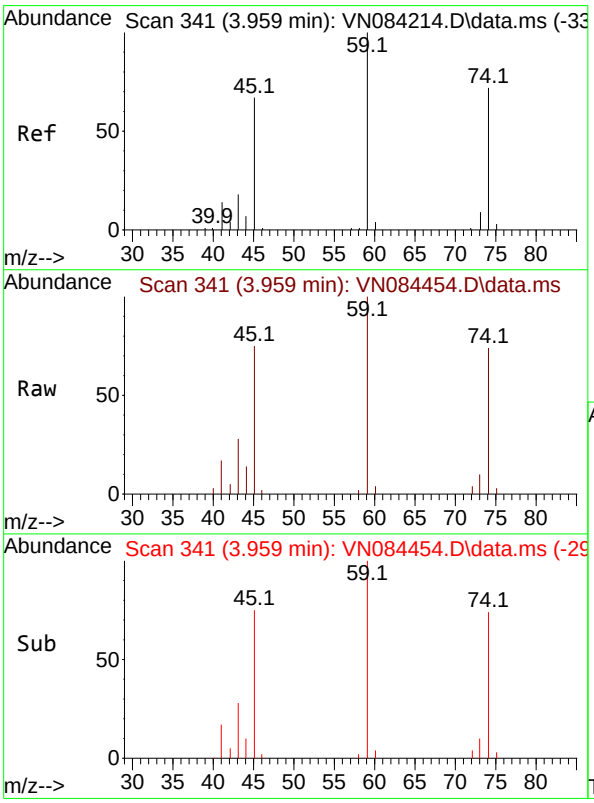
Ion	Ratio	Lower	Upper
101	100		
103	72.0	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

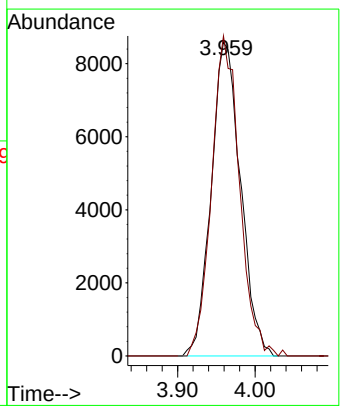
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

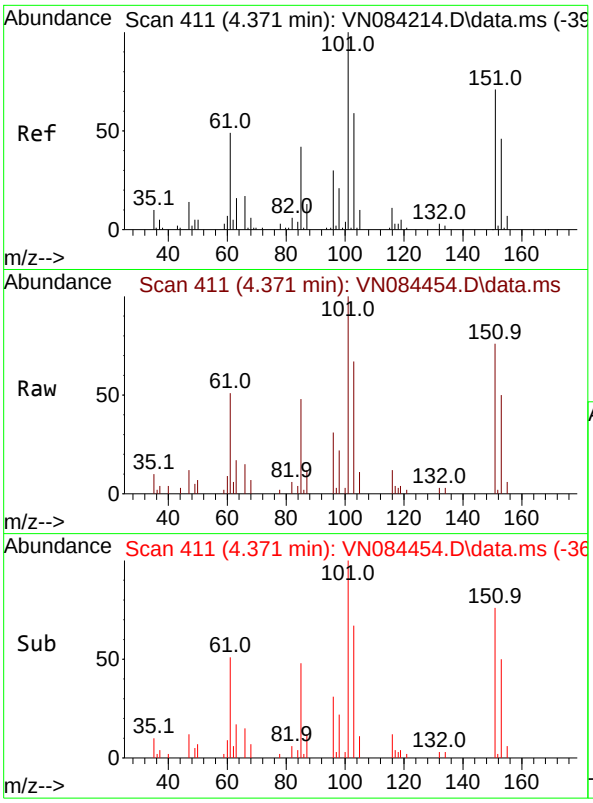


#8
Diethyl Ether
Concen: 18.418 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 74 Resp: 22634

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1

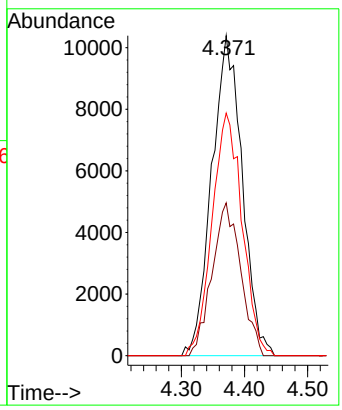




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.317 ug/l
RT: 4.371 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:101 Resp: 3477

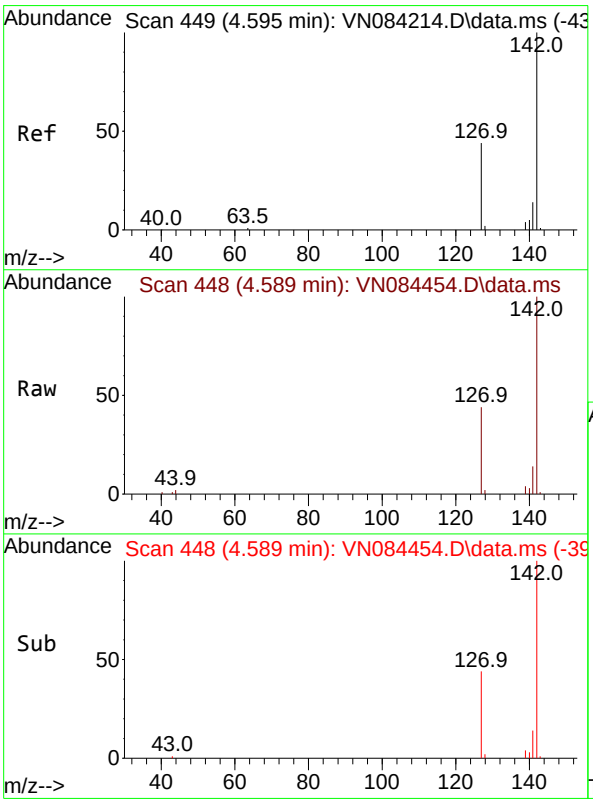
Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	74.8	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

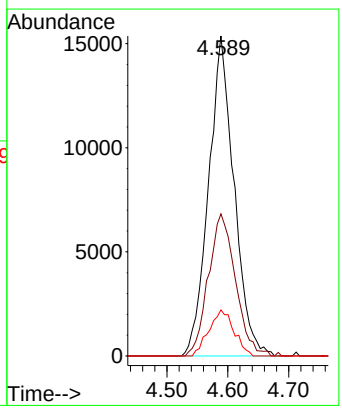
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

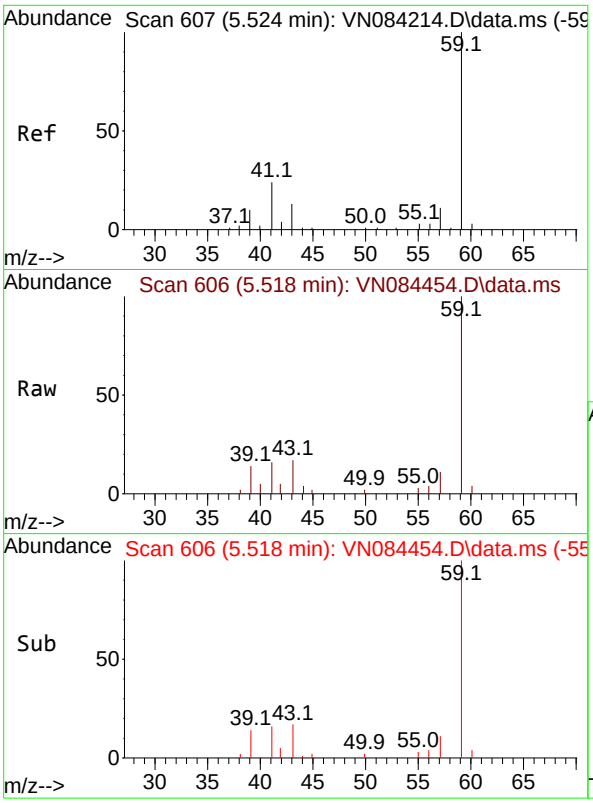


#10
Methyl Iodide
Concen: 18.277 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:142 Resp: 44688

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	14.4	11.0	16.6

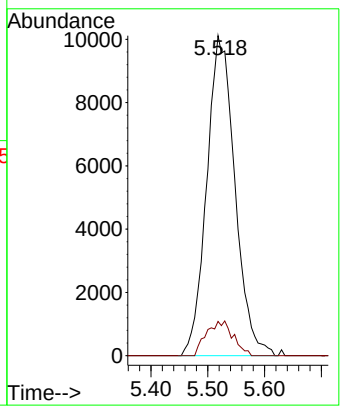




#11
Tert butyl alcohol
Concen: 87.746 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 59 Resp: 3489

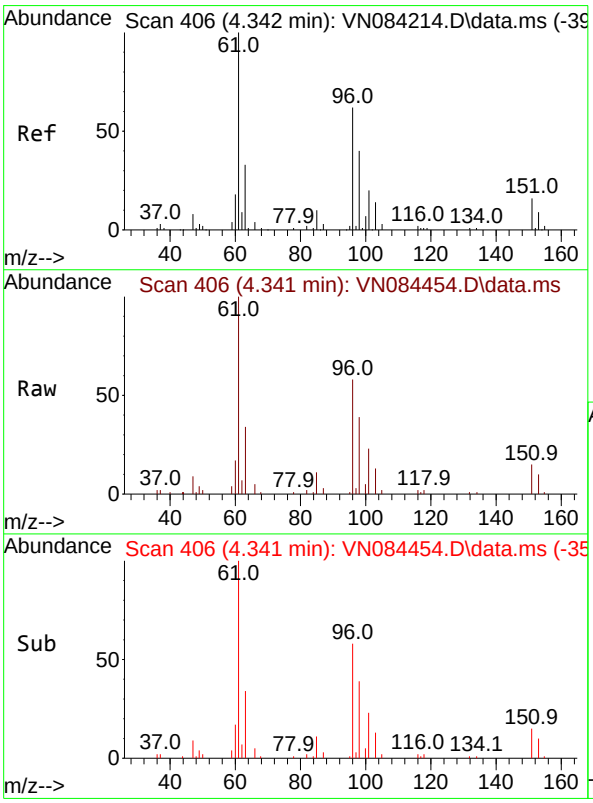
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

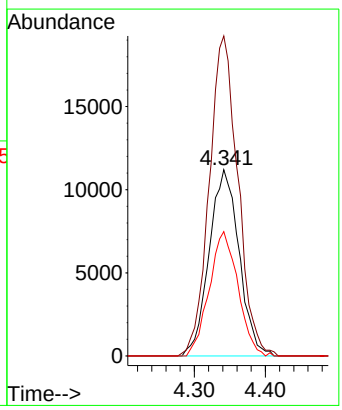
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

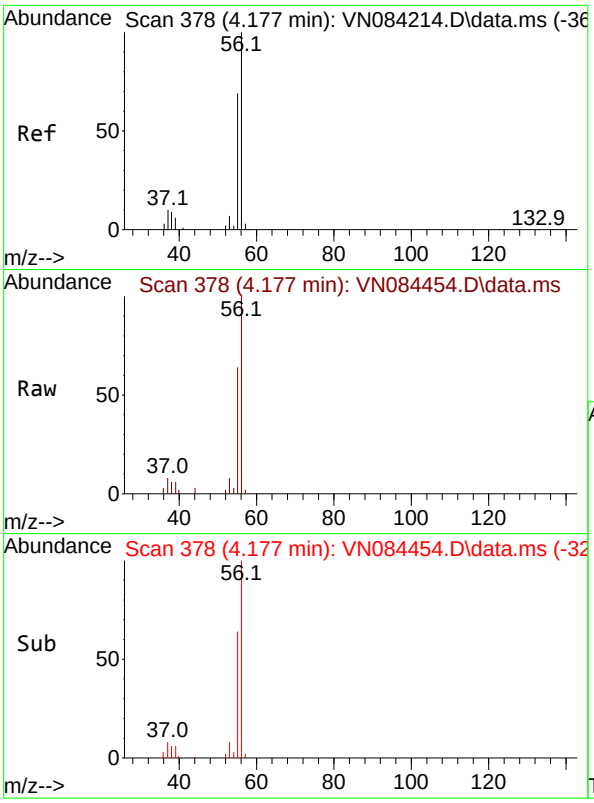


#12
1,1-Dichloroethene
Concen: 17.894 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 96 Resp: 32769

Ion	Ratio	Lower	Upper
96	100		
61	171.8	128.6	192.8
98	66.8	51.7	77.5

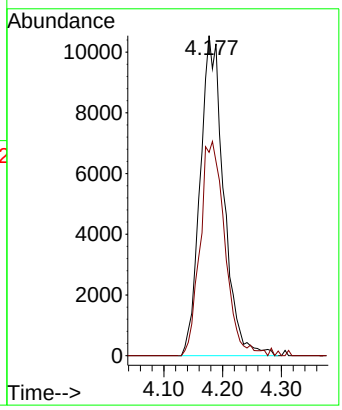




#13
Acrolein
Concen: 64.411 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 56 Resp: 2940

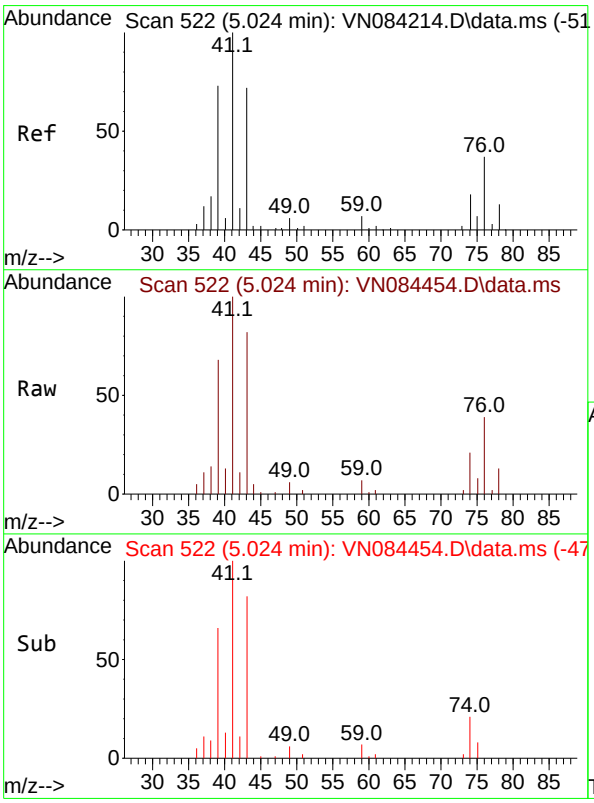
Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

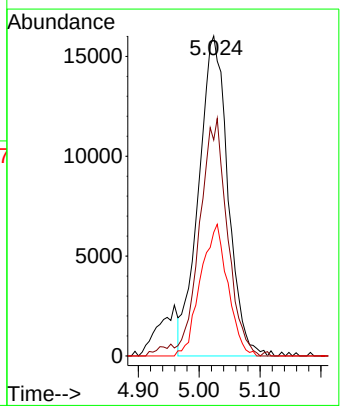
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

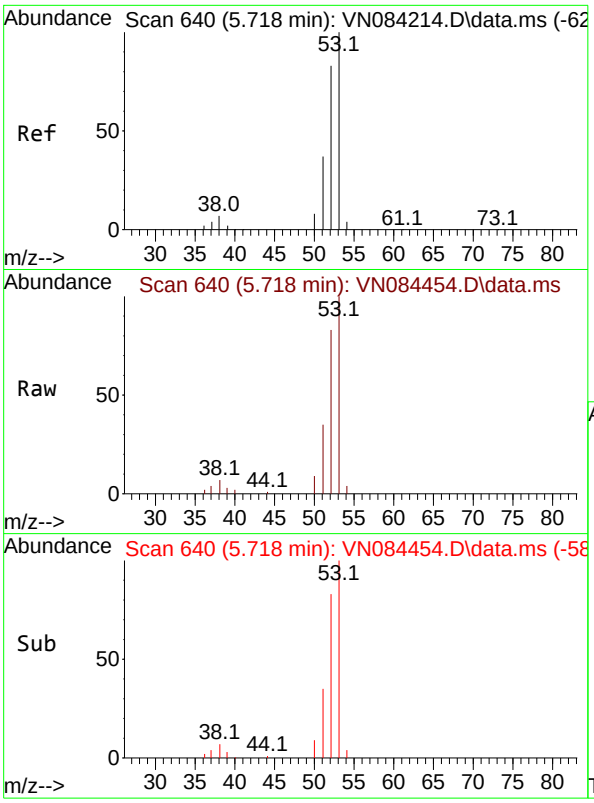


#14
Allyl chloride
Concen: 16.847 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 41 Resp: 53581

Ion	Ratio	Lower	Upper
41	100		
39	71.8	59.0	88.6
76	38.3	29.8	44.6

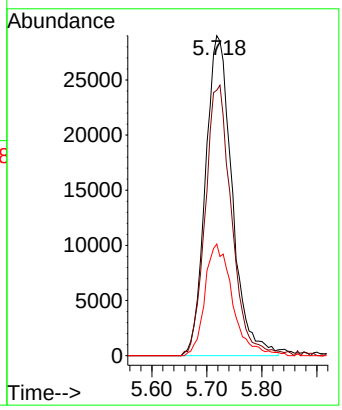




#15
Acrylonitrile
Concen: 97.270 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 53 Resp: 9767

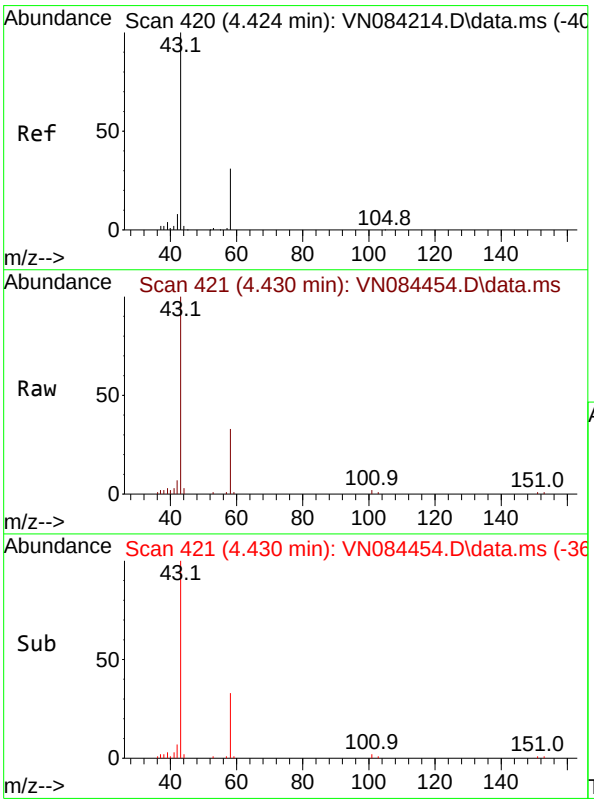
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.4
51	36.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

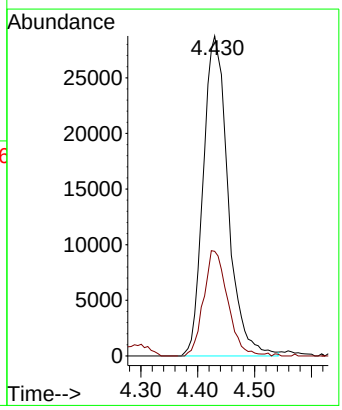
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

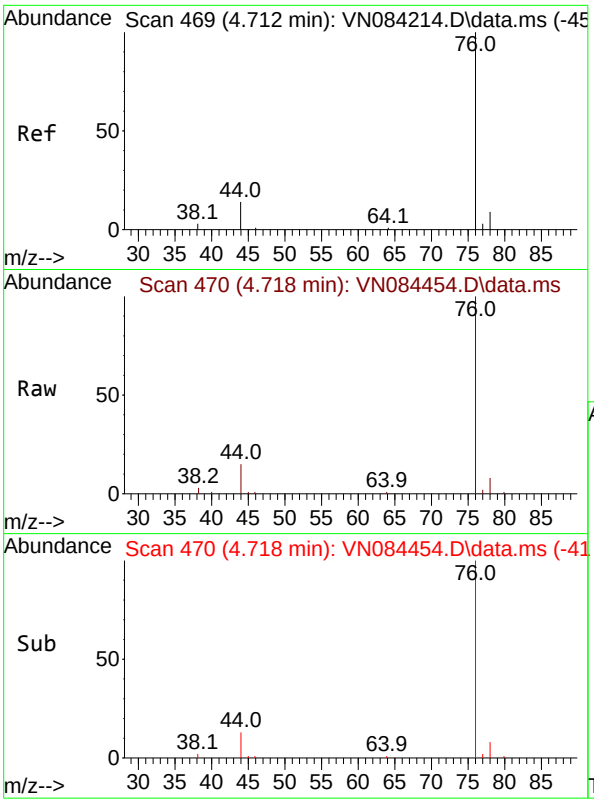


#16
Acetone
Concen: 84.111 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 87135

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.4	36.6

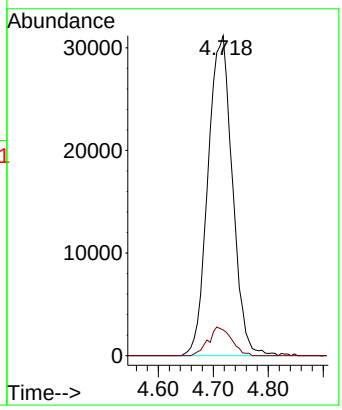




#17
Carbon Disulfide
Concen: 16.603 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 76 Resp: 9626

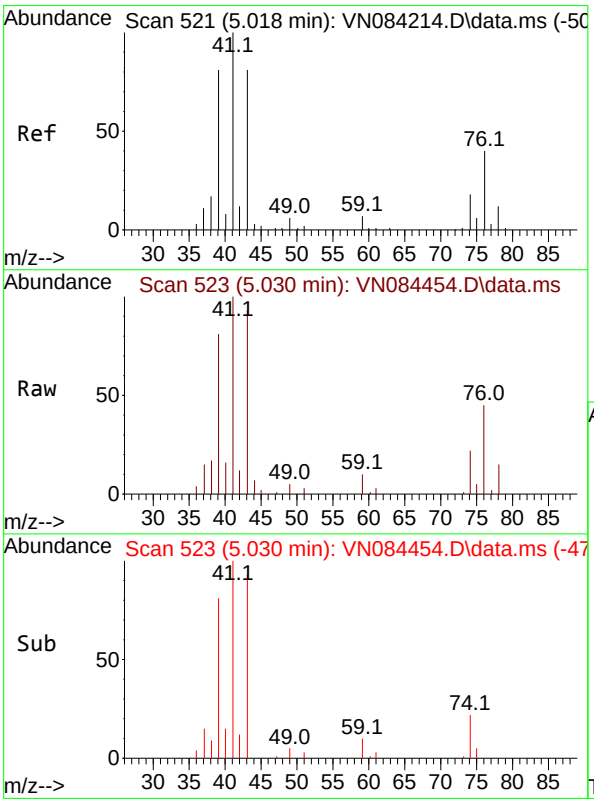
Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

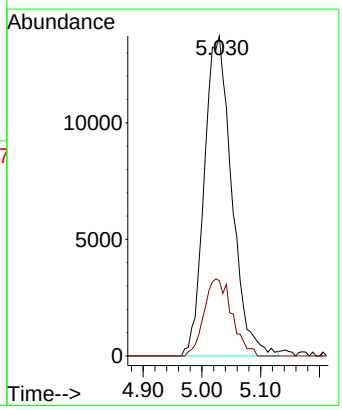
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

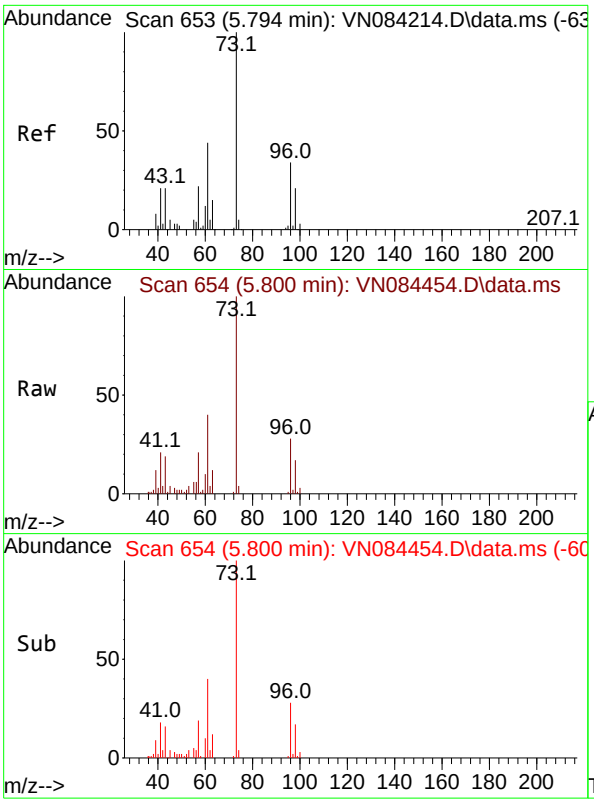


#18
Methyl Acetate
Concen: 19.744 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 44581

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

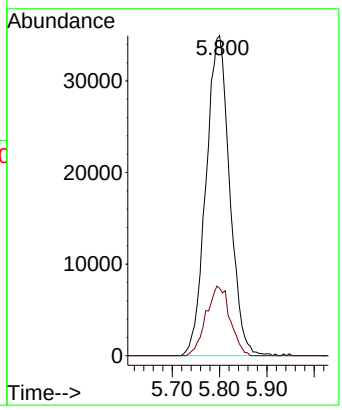




#19
Methyl tert-butyl Ether
Concen: 19.617 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 73 Resp: 12125

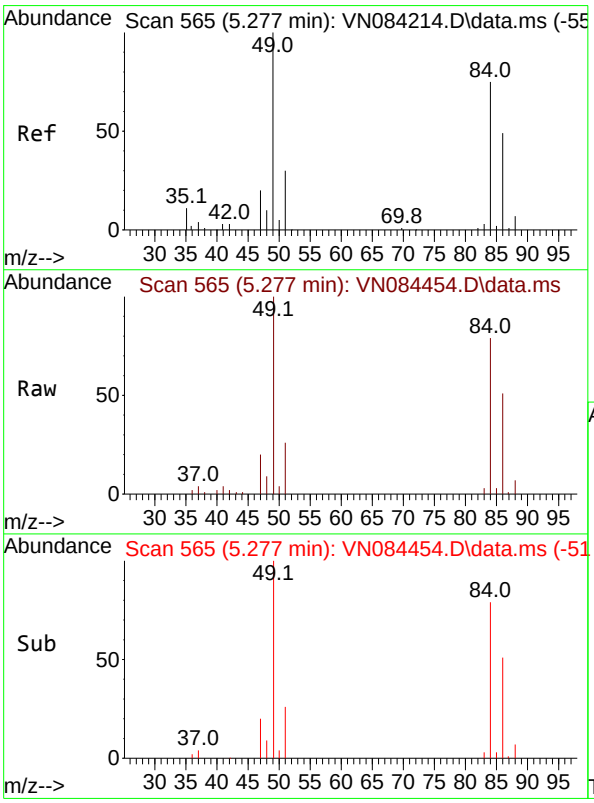
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

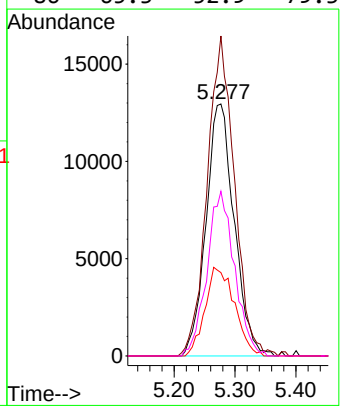
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

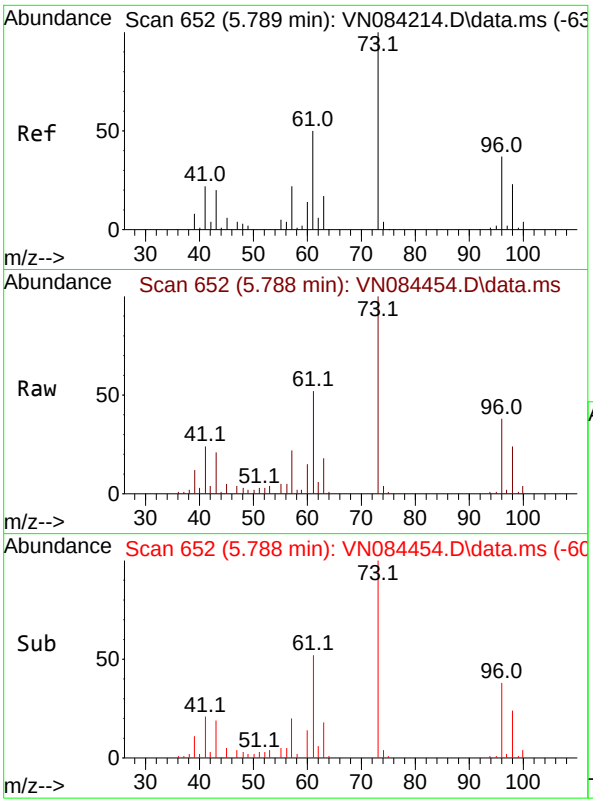


#20
Methylene Chloride
Concen: 19.762 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 84 Resp: 41617

Ion	Ratio	Lower	Upper
84	100		
49	126.9	107.2	160.8
51	33.1	31.8	47.8
86	65.3	52.9	79.3

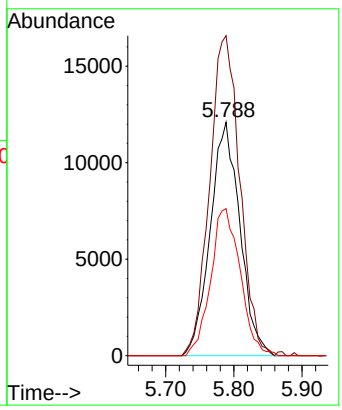




#21
trans-1,2-Dichloroethene
Concen: 19.082 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 96 Resp: 3661

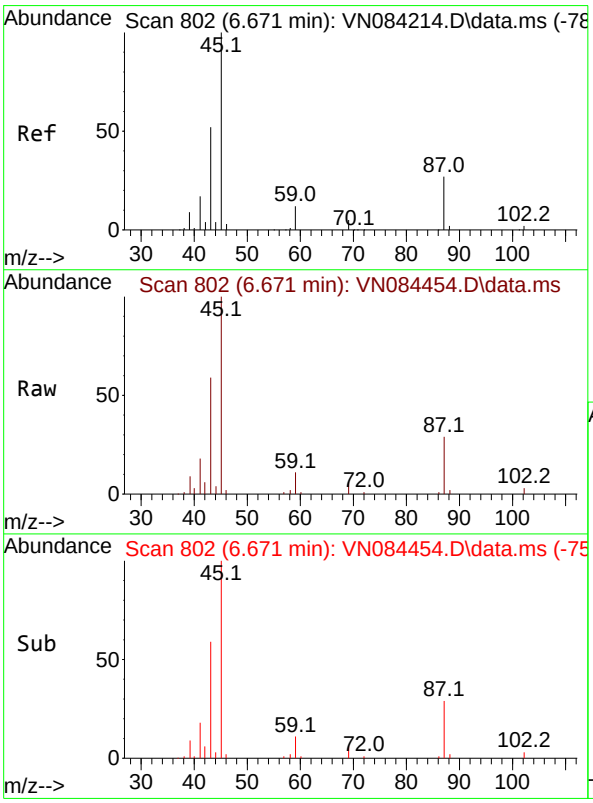
Ion	Ratio	Lower	Upper
96	100		
61	137.1	108.4	162.6
98	63.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

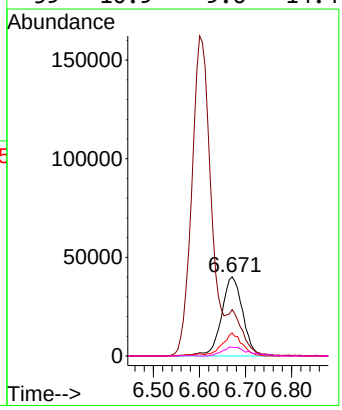
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

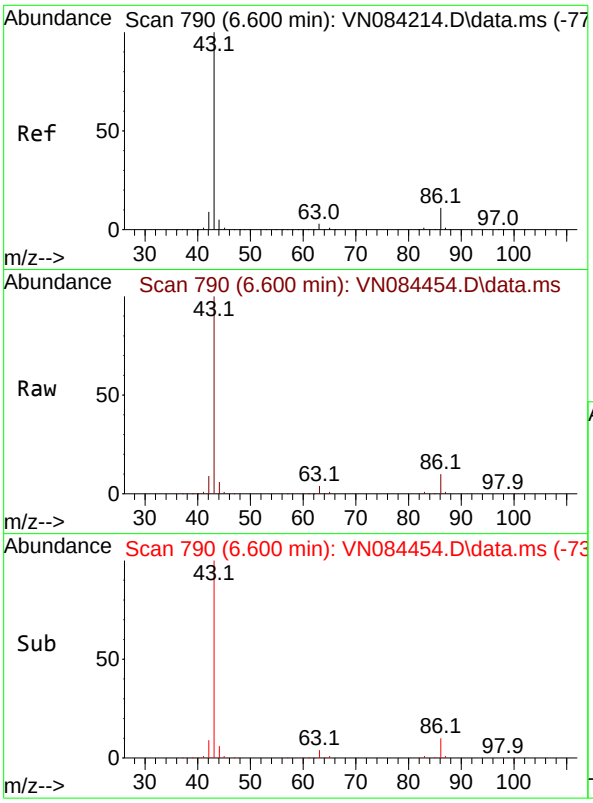


#22
Diisopropyl ether
Concen: 19.425 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 45 Resp: 127788

Ion	Ratio	Lower	Upper
45	100		
43	57.3	42.3	63.5
87	29.0	21.8	32.6
59	10.9	9.6	14.4

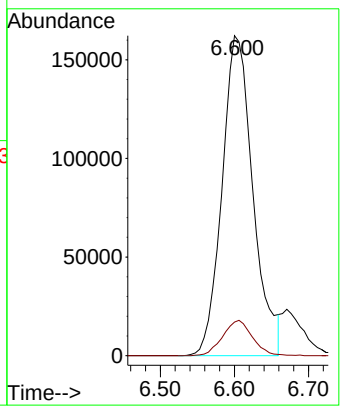




#23
Vinyl Acetate
Concen: 96.571 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 47120

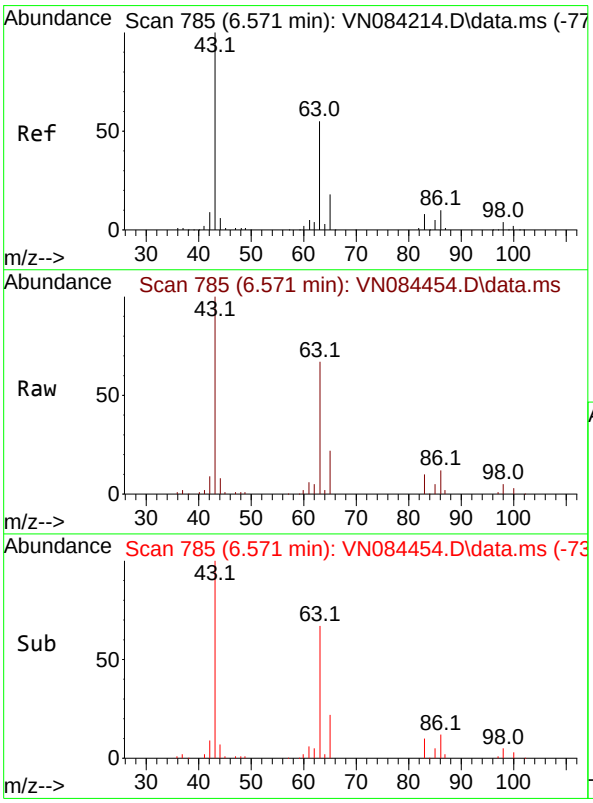
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

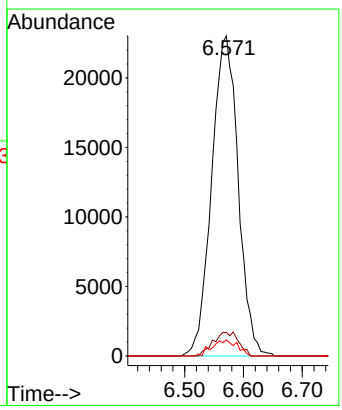
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

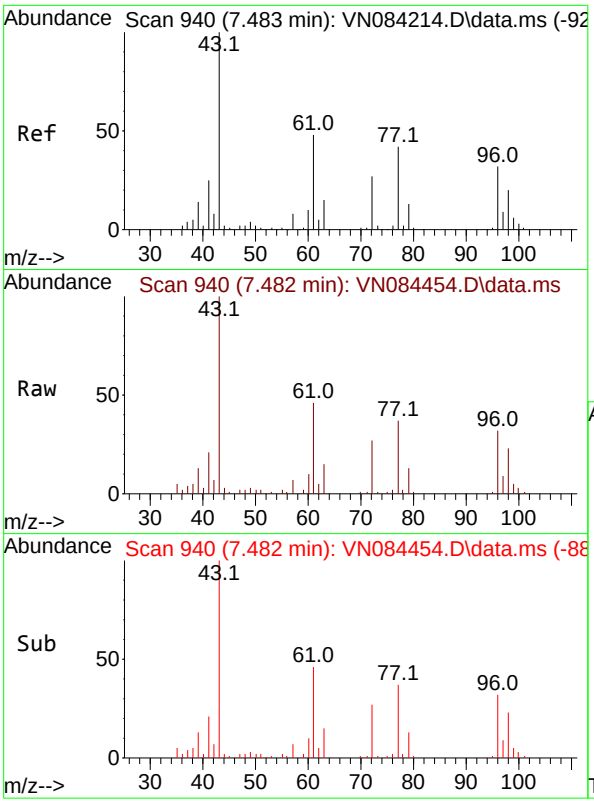


#24
1,1-Dichloroethane
Concen: 19.609 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 63 Resp: 72140

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	5.0	2.0	5.8

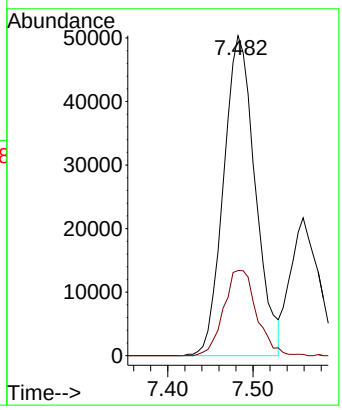




#25
2-Butanone
Concen: 92.281 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 13020

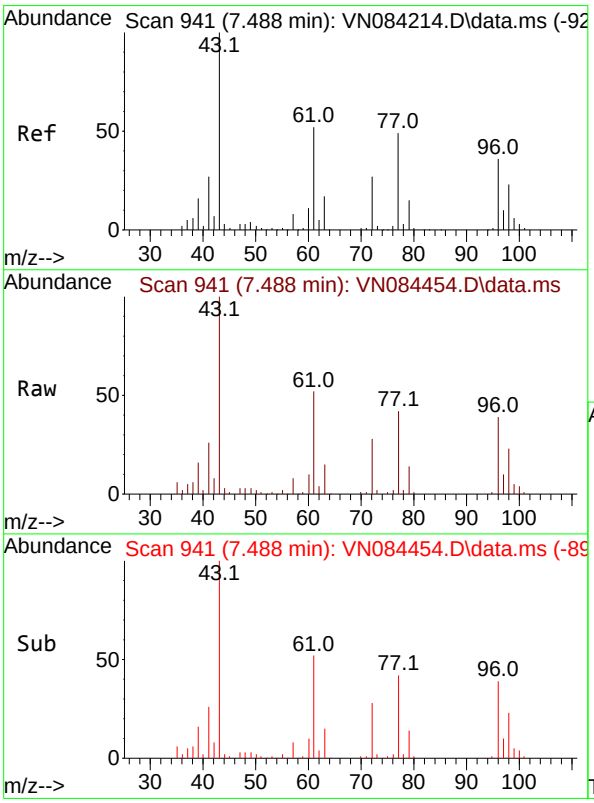
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

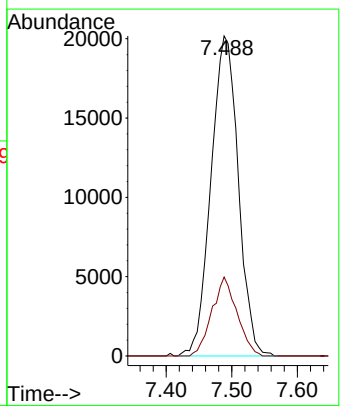
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

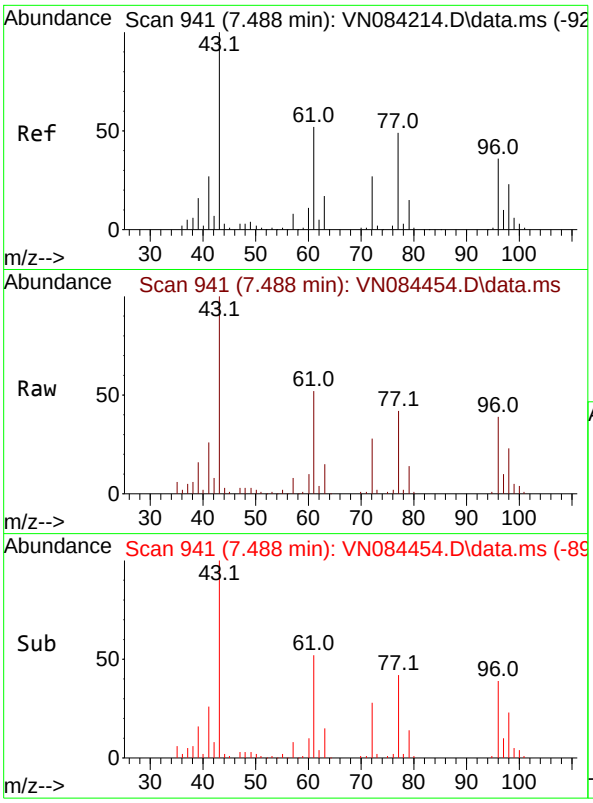


#26
2,2-Dichloropropane
Concen: 17.571 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 77 Resp: 58286

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3

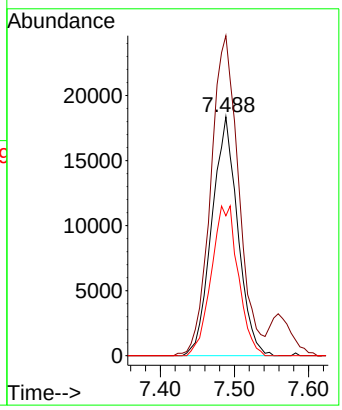




#27
cis-1,2-Dichloroethene
Concen: 19.262 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 96 Resp: 4465

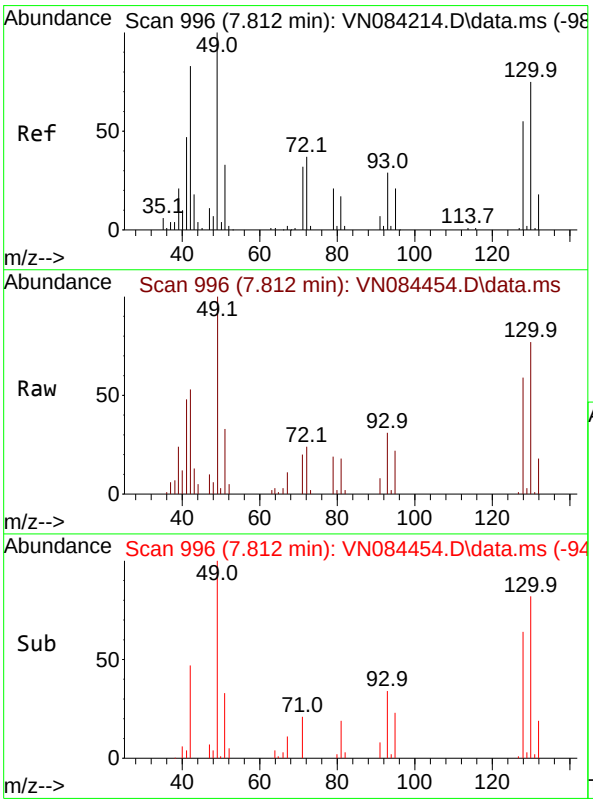
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	301.8
98	65.4	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

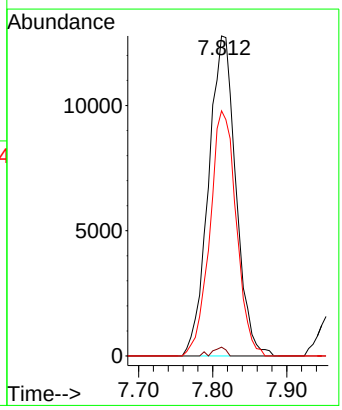
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

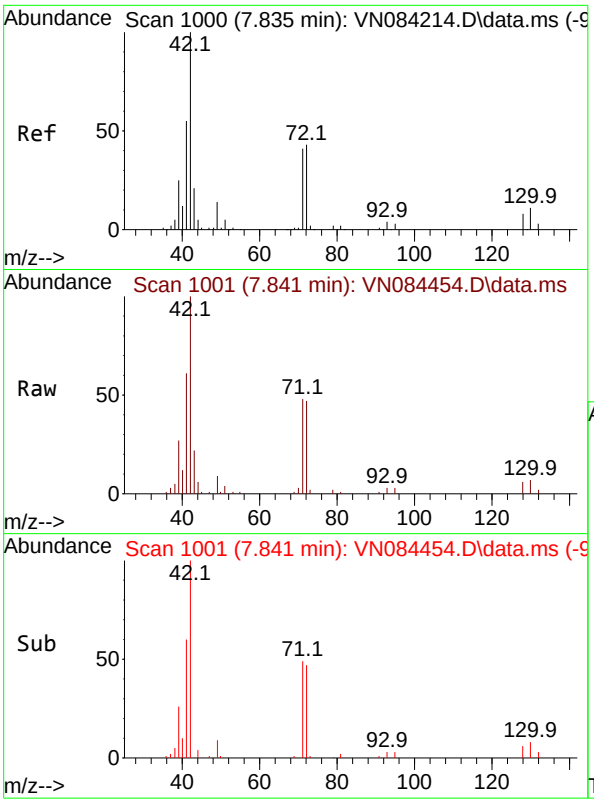


#28
Bromochloromethane
Concen: 19.982 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 49 Resp: 32800

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	73.9	58.0	87.0

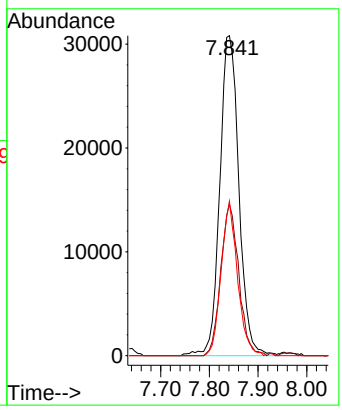




#29
Tetrahydrofuran
Concen: 96.717 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 42 Resp: 8421

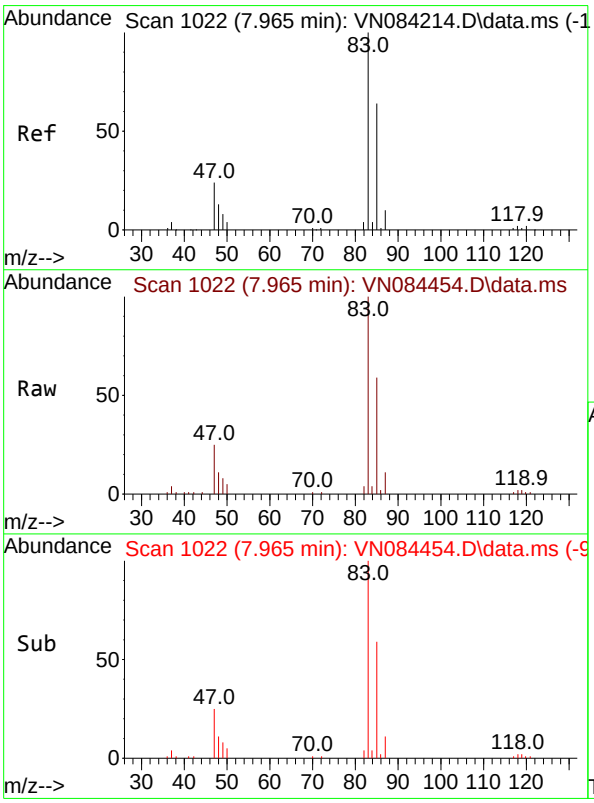
Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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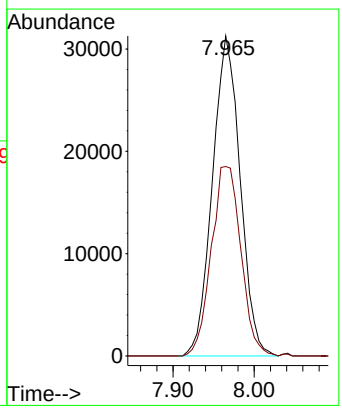
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

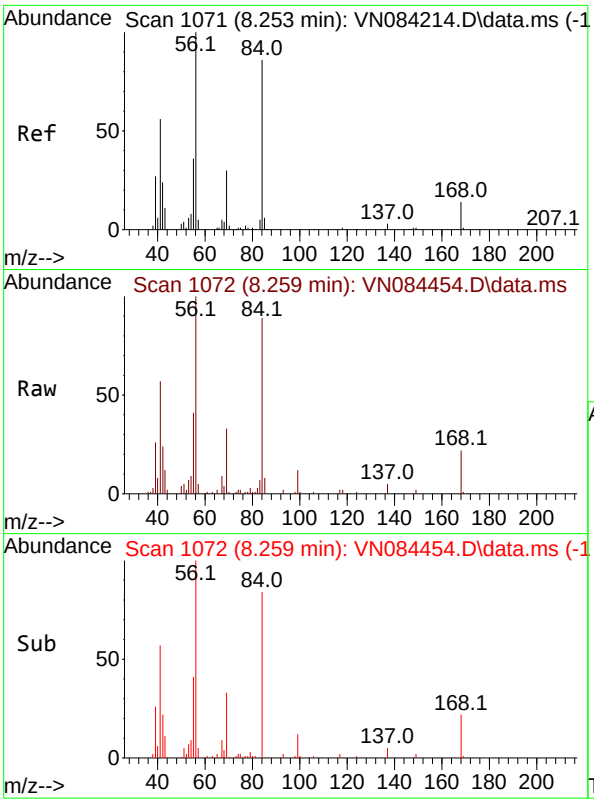


#30
Chloroform
Concen: 19.421 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 83 Resp: 74218

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.0	76.4

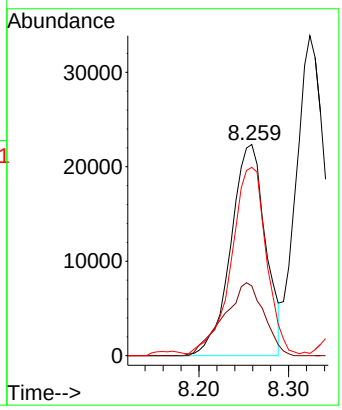




#31
Cyclohexane
Concen: 16.784 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 56 Resp: 5995

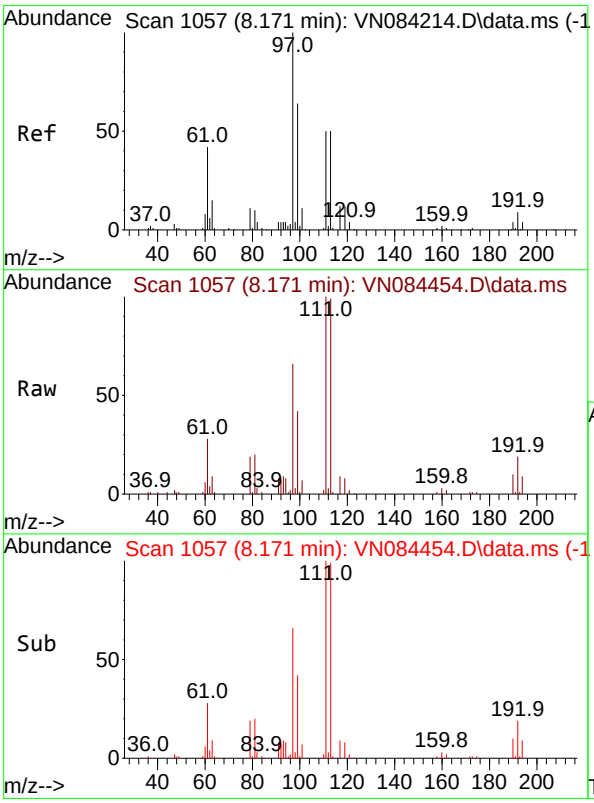
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.8	35.6
84	87.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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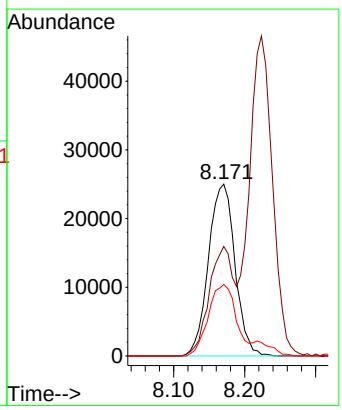
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

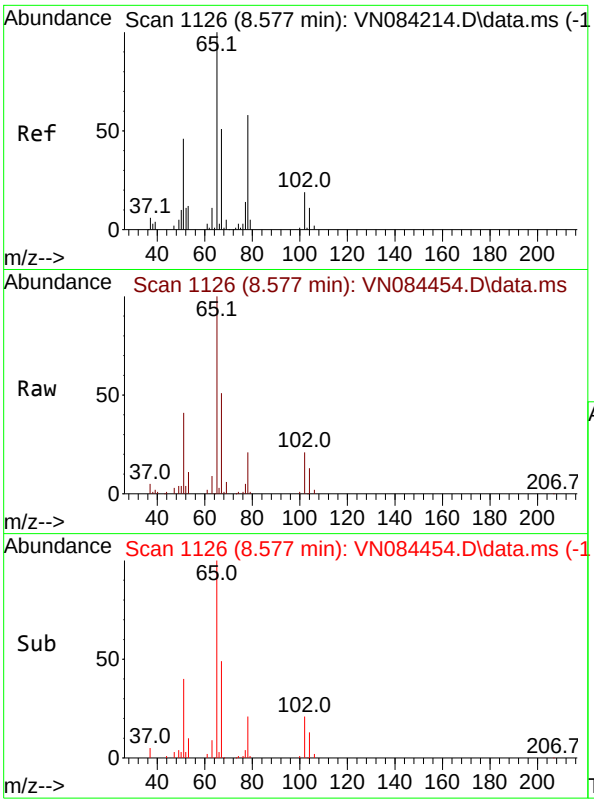


#32
1,1,1-Trichloroethane
Concen: 18.885 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 97 Resp: 64815

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.2	76.8
61	43.4	37.5	56.3

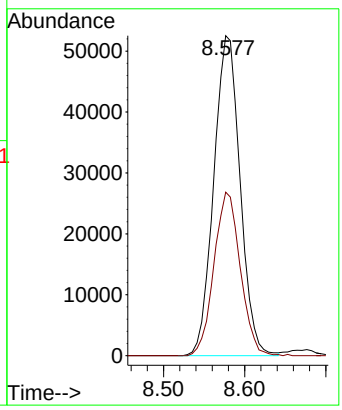




#33
1,2-Dichloroethane-d4
Concen: 49.091 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 65 Resp: 11838

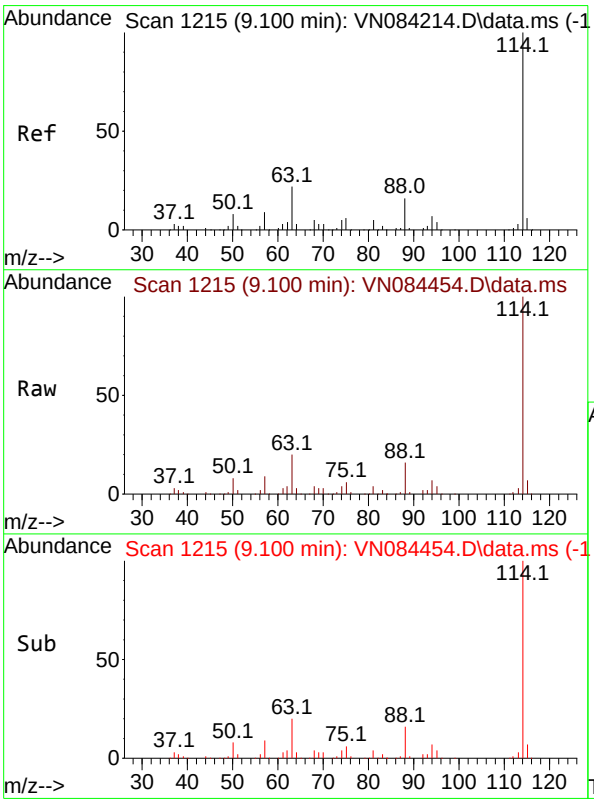
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

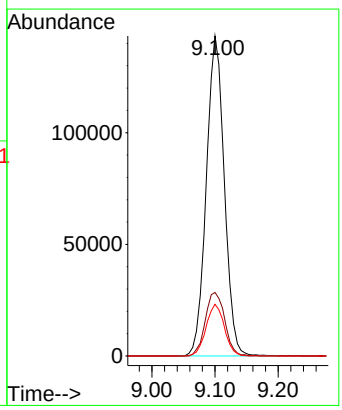
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

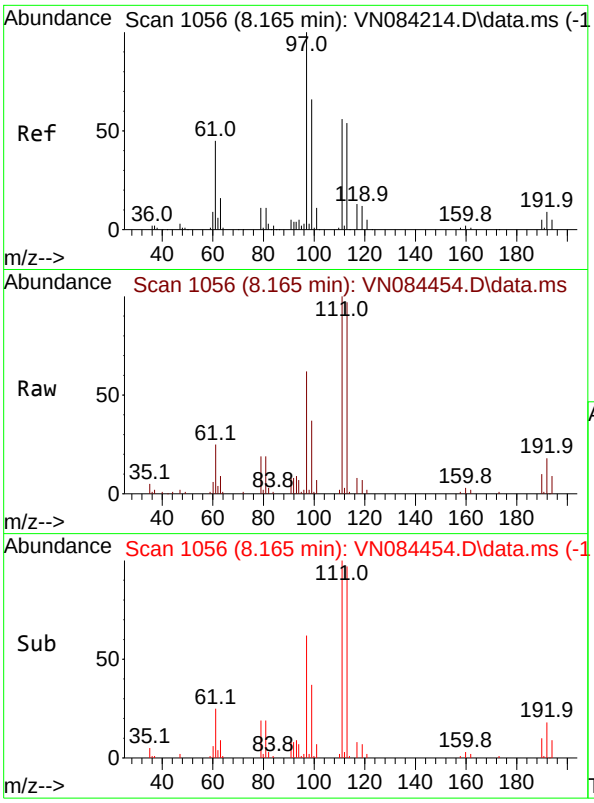


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:114 Resp: 284290

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	16.2	0.0	31.6

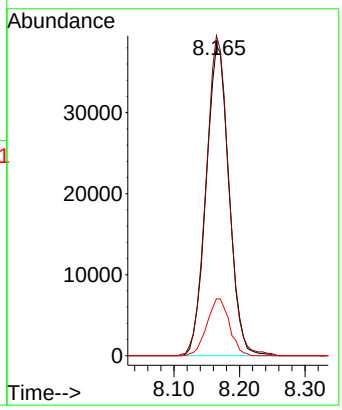




#35
Dibromofluoromethane
Concen: 49.514 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:113 Resp: 9280

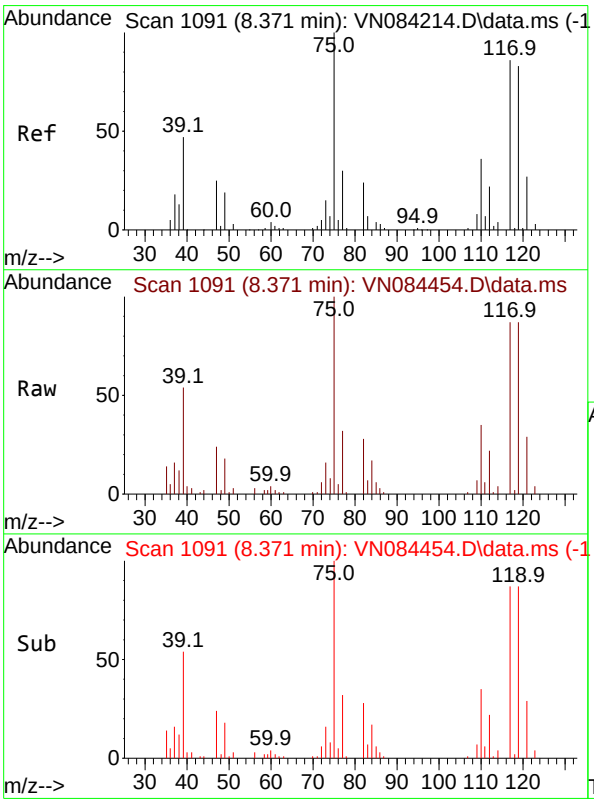
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	18.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

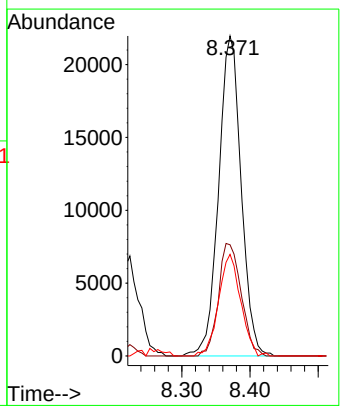
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

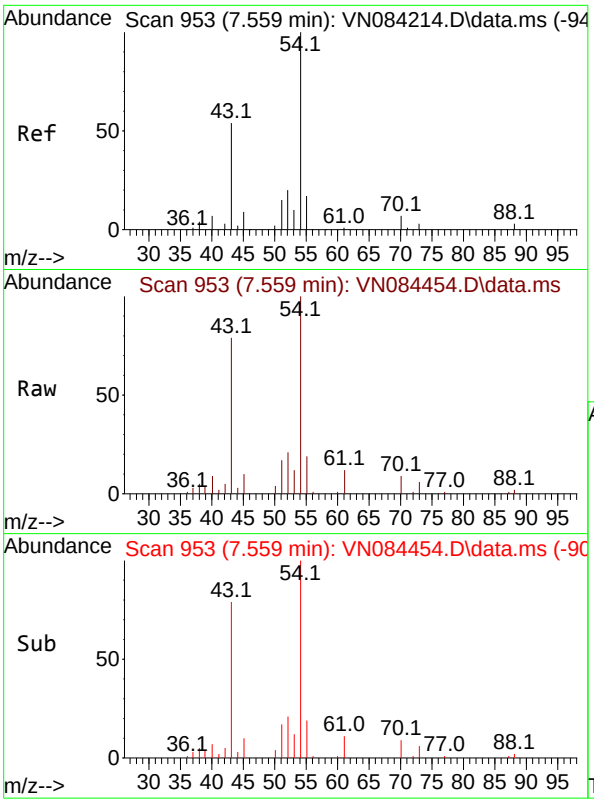


#36
1,1-Dichloropropene
Concen: 18.560 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 50527

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	31.2	24.7	37.1

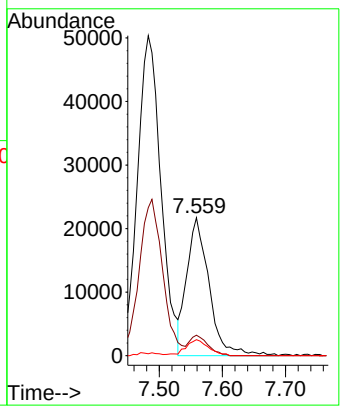




#37
Ethyl Acetate
Concen: 19.148 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 5347

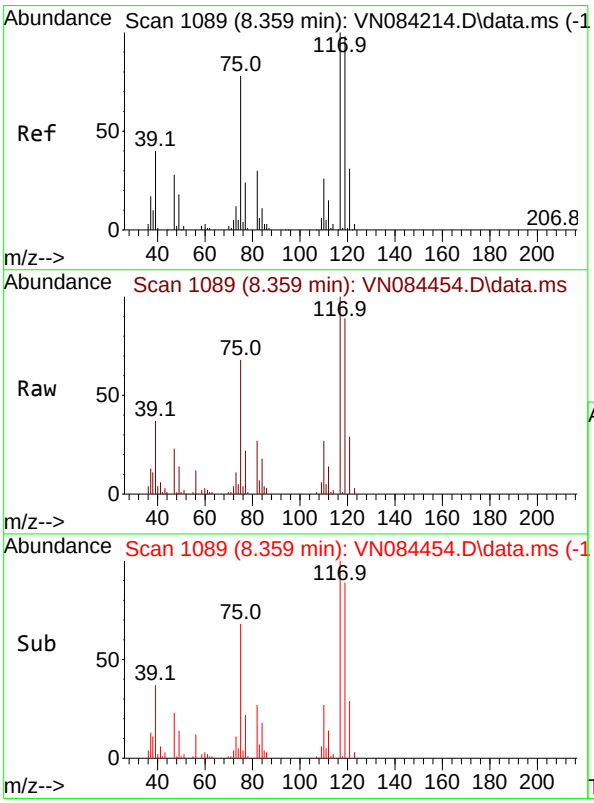
Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.7	16.1
70	11.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

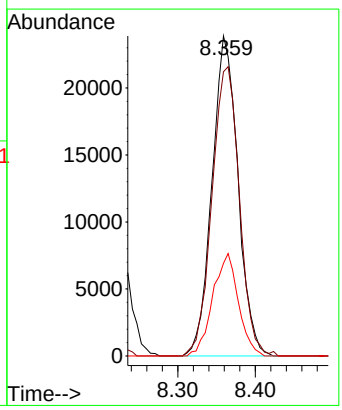
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

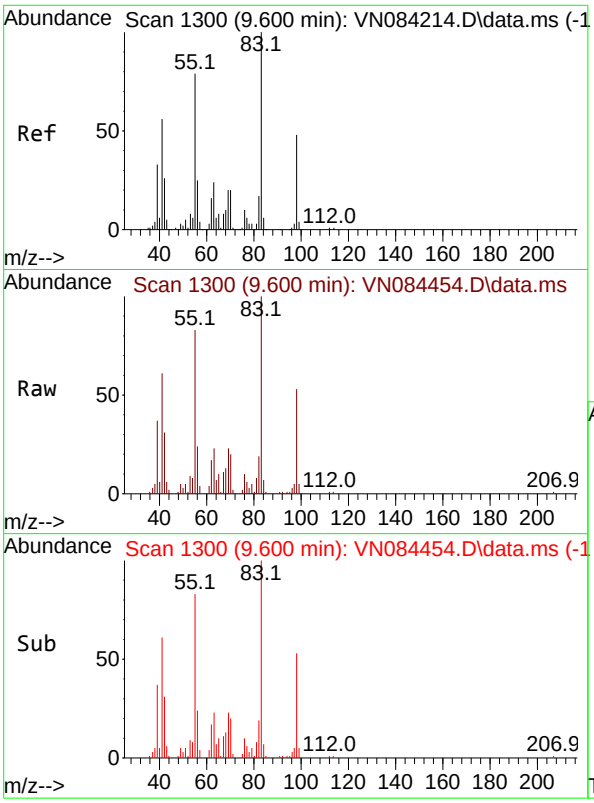


#38
Carbon Tetrachloride
Concen: 18.596 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:117 Resp: 55533

Ion	Ratio	Lower	Upper
117	100		
119	88.8	78.7	118.1
121	29.0	24.4	36.6

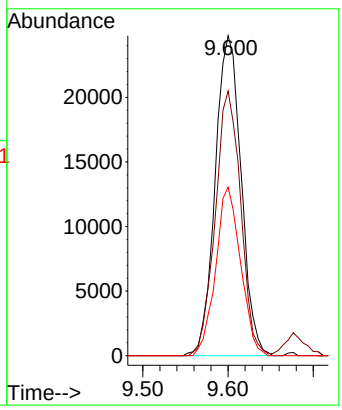




#39
Methylcyclohexane
Concen: 17.305 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 83 Resp: 5243

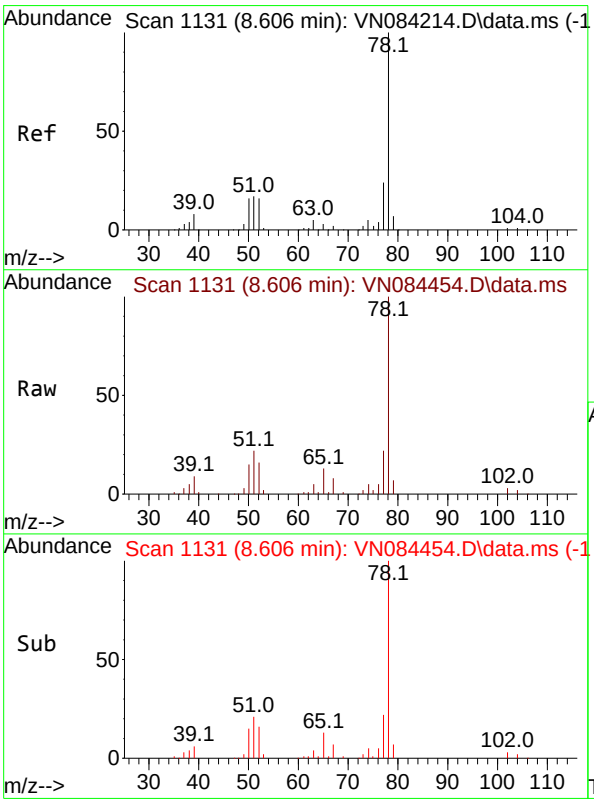
Ion	Ratio	Lower	Upper
83	100		
55	82.7	62.8	94.2
98	52.7	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

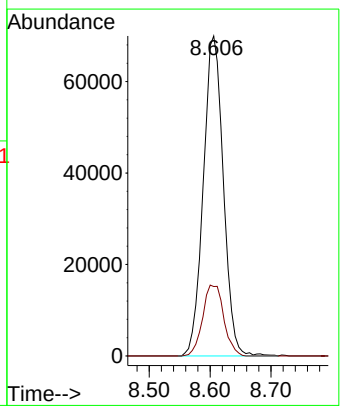
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

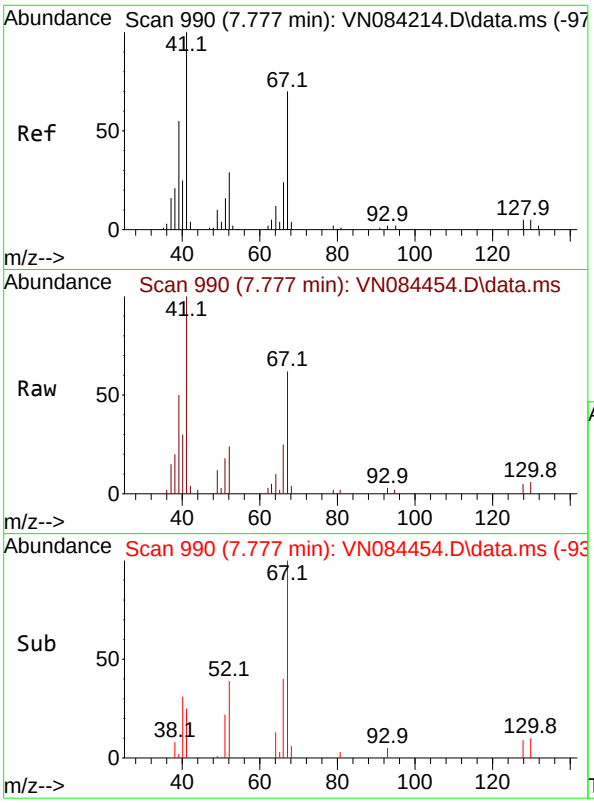


#40
Benzene
Concen: 18.871 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 78 Resp: 160063

Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.1	28.7

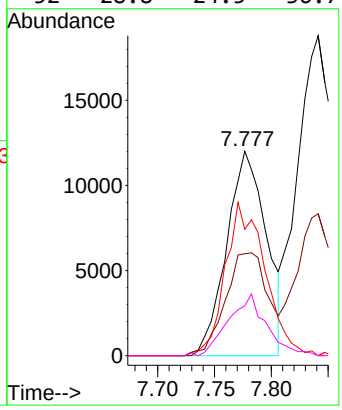




#41
Methacrylonitrile
Concen: 19.263 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 41 Resp: 2920

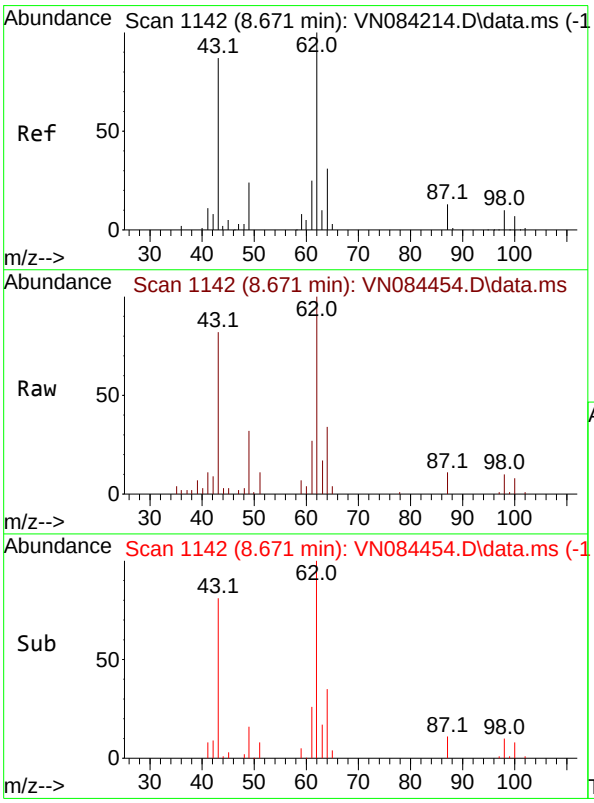
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	74.9	56.1	84.1
52	28.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

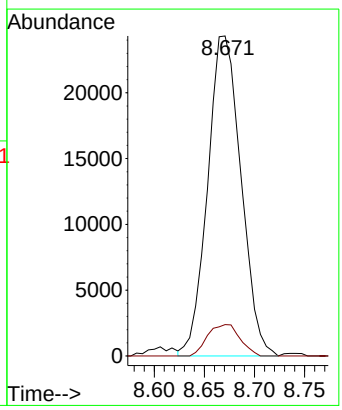
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

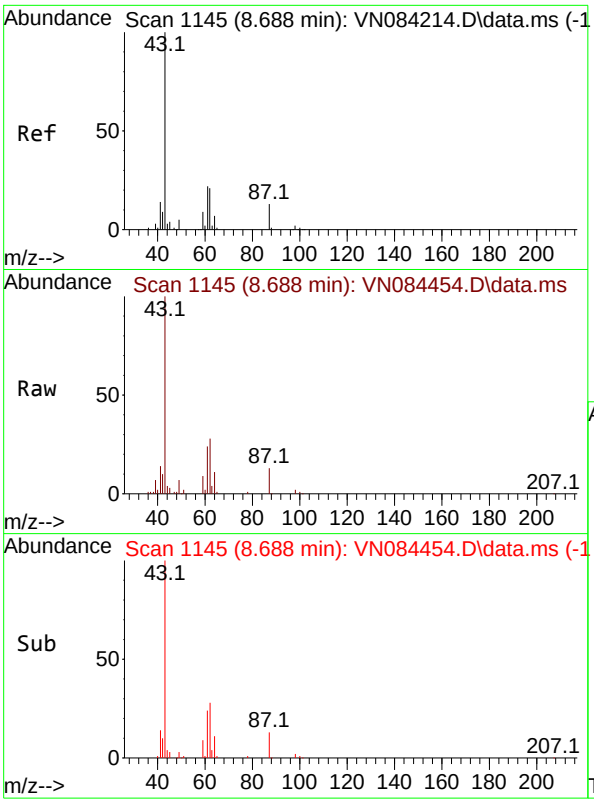


#42
1,2-Dichloroethane
Concen: 19.601 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 62 Resp: 56362

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

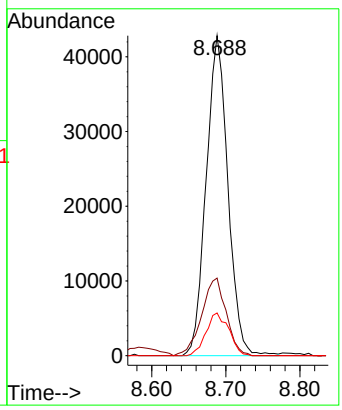




#43
Isopropyl Acetate
Concen: 15.964 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 8732

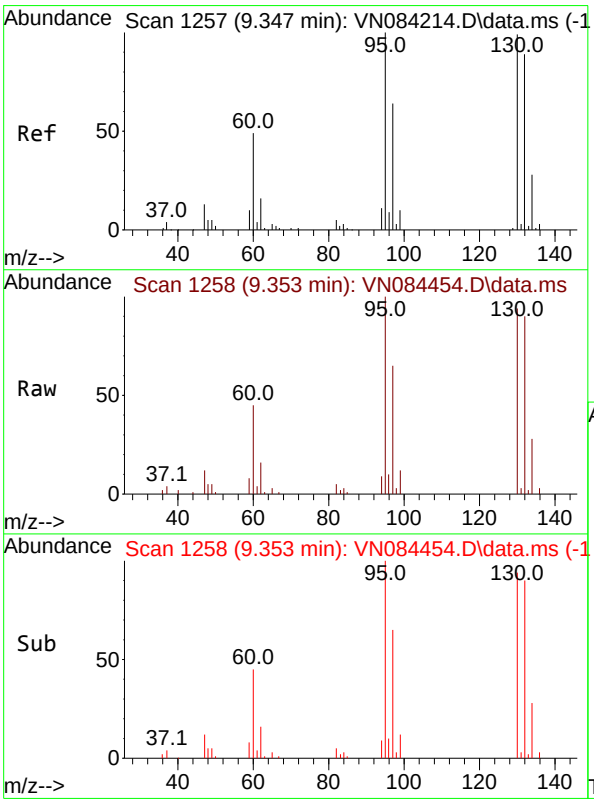
Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.4	30.6
87	14.0	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

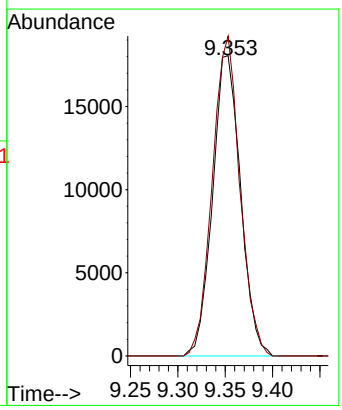
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

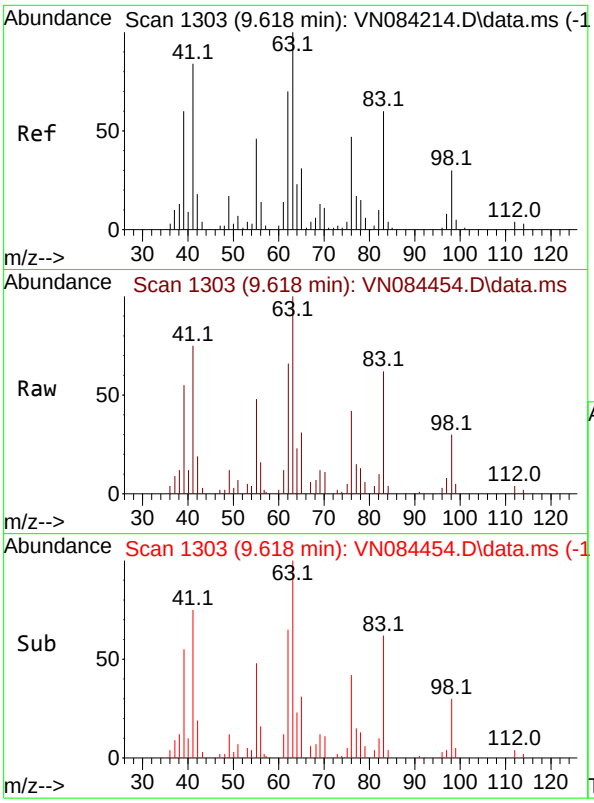


#44
Trichloroethene
Concen: 18.776 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:130 Resp: 37196

Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	203.0

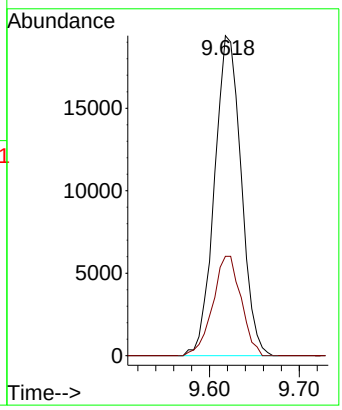




#45
1,2-Dichloropropane
Concen: 19.951 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 63 Resp: 4003

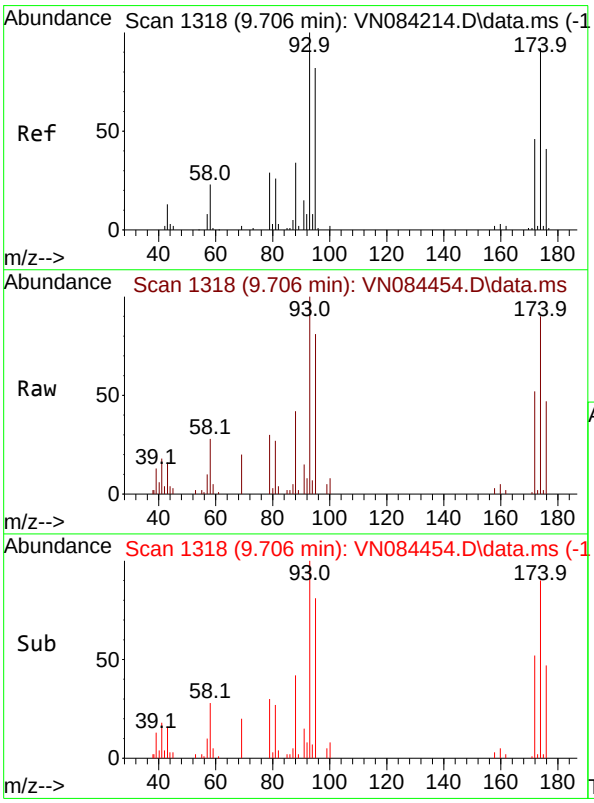
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

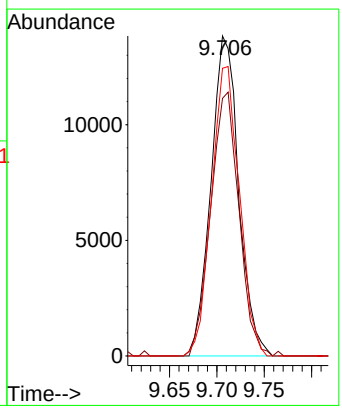
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

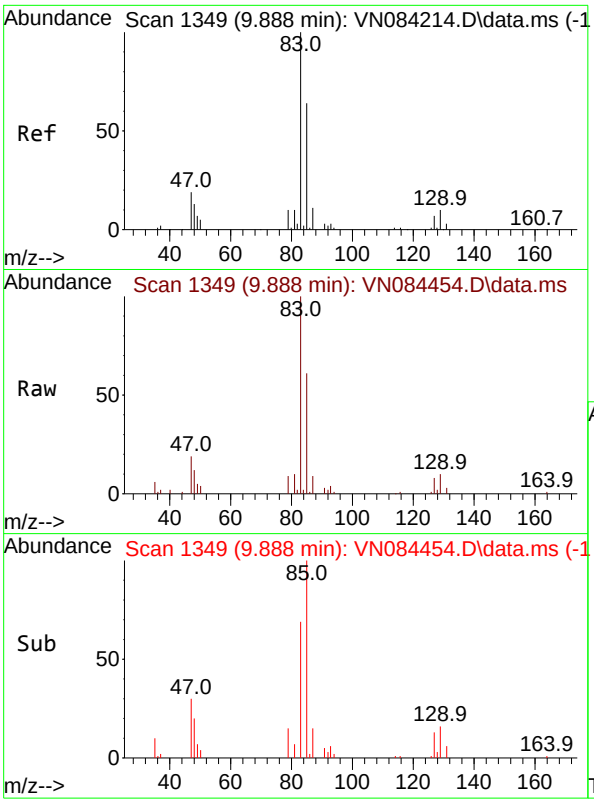


#46
Dibromomethane
Concen: 20.861 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 93 Resp: 28247

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.0	97.4
174	90.9	71.8	107.8

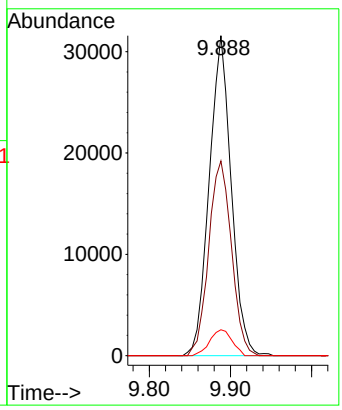




#47
Bromodichloromethane
Concen: 19.752 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 83 Resp: 5942

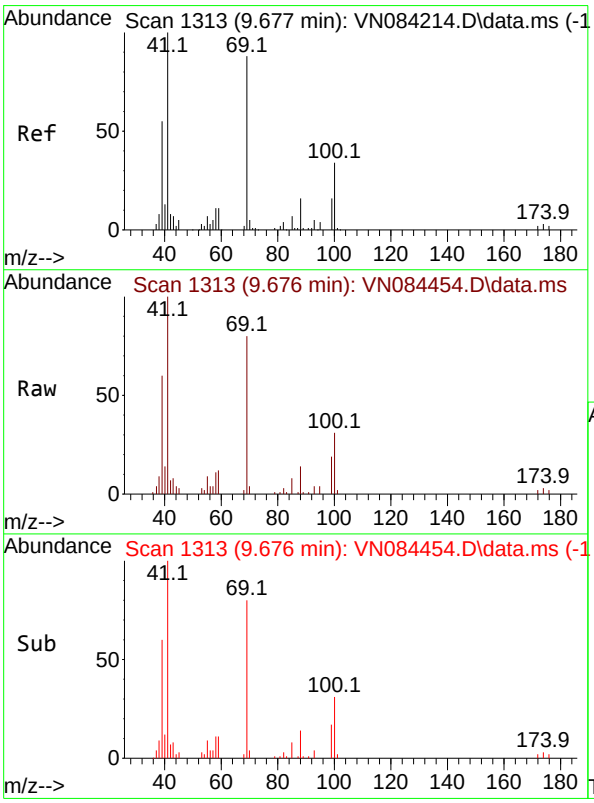
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3
127	8.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

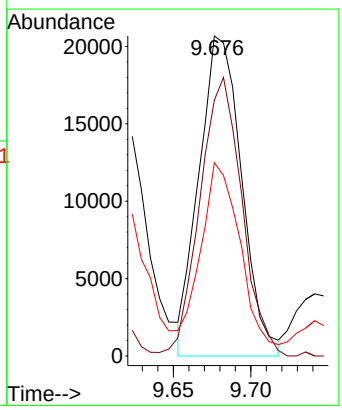
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

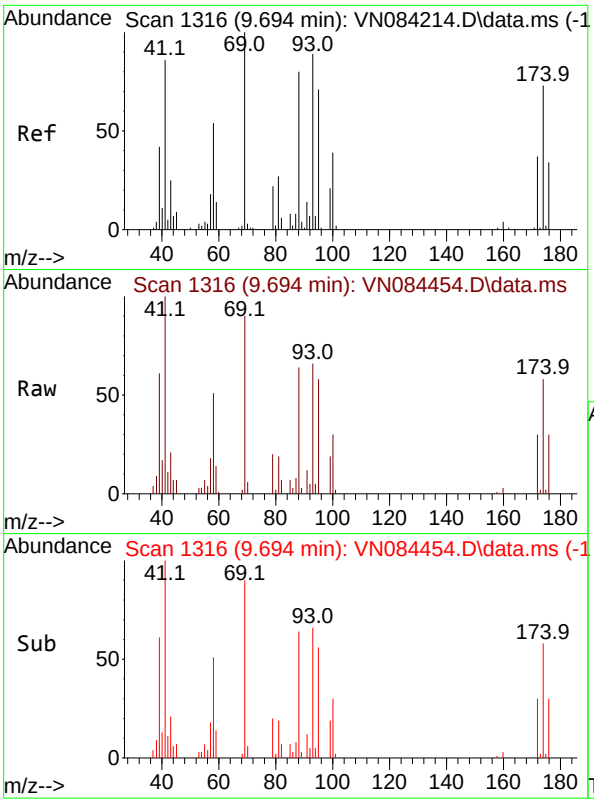


#48
Methyl methacrylate
Concen: 18.117 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 41 Resp: 39452

Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.1	100.7
39	58.7	45.8	68.6

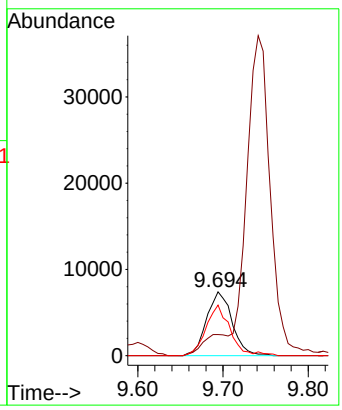




#49
1,4-Dioxane
Concen: 384.377 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 88 Resp: 1541

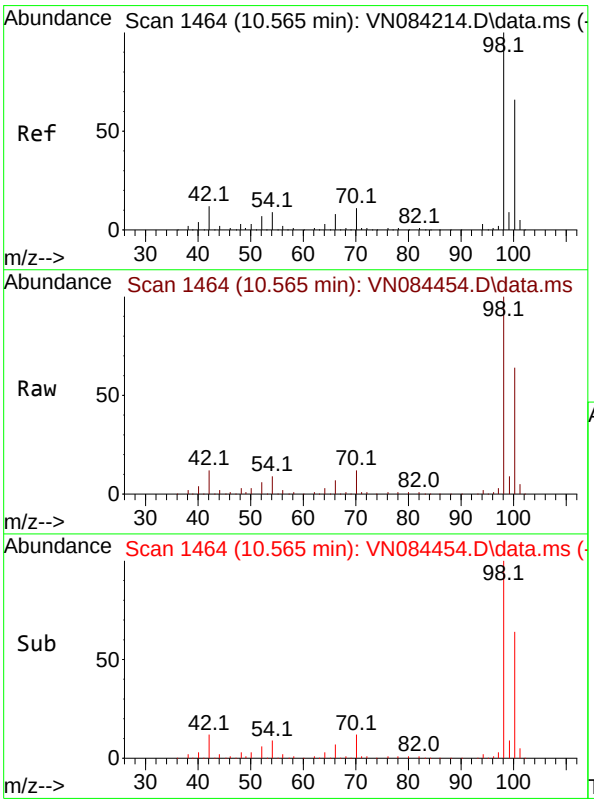
Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.3	37.9
58	72.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

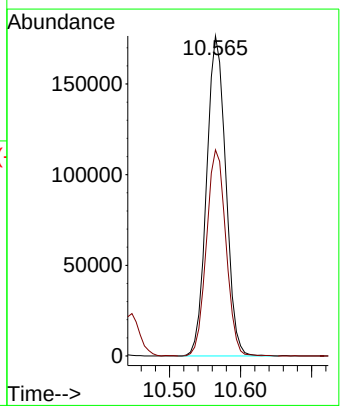
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

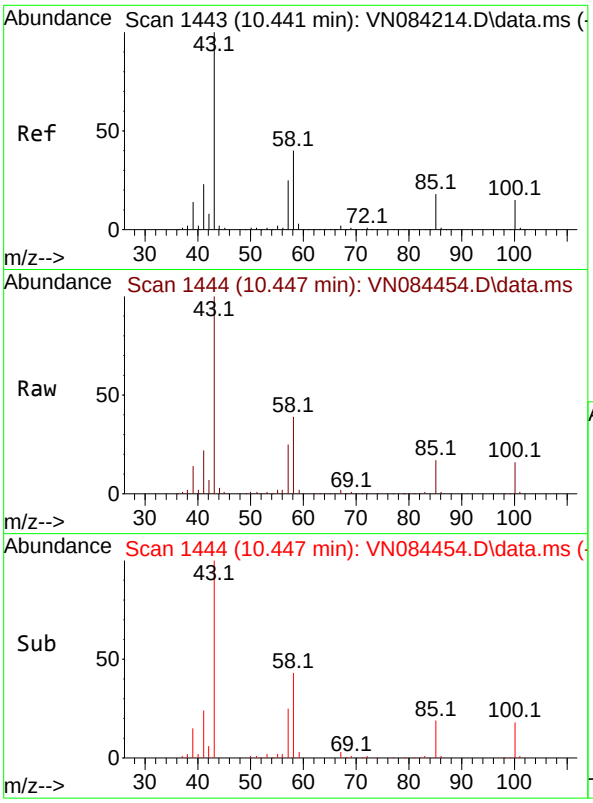


#50
Toluene-d8
Concen: 48.033 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 98 Resp: 331212

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 99.827 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

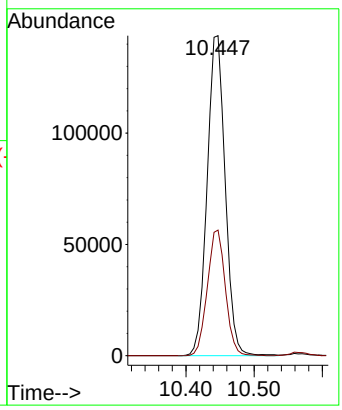
Tgt Ion: 43 Resp: 26541

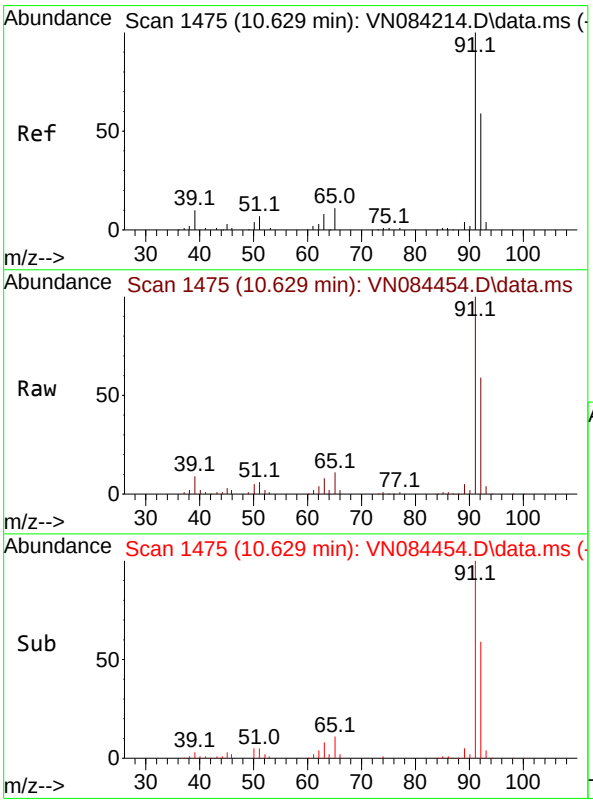
Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

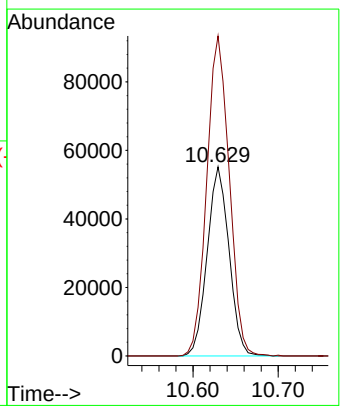


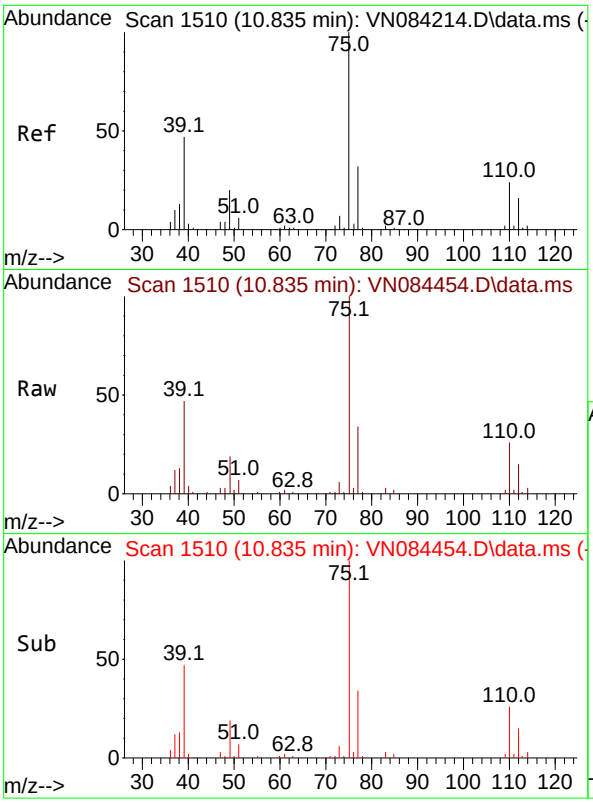


#52
Toluene
Concen: 18.974 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 92 Resp: 98137

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.3	205.9

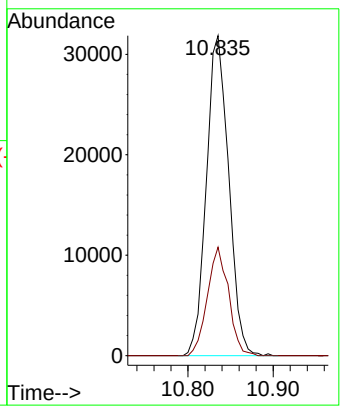




#53
t-1,3-Dichloropropene
Concen: 18.952 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 5811

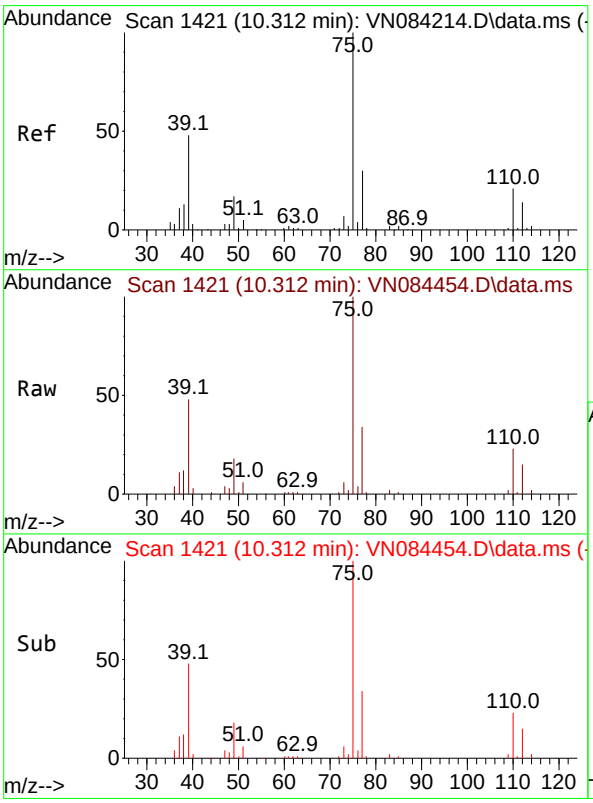
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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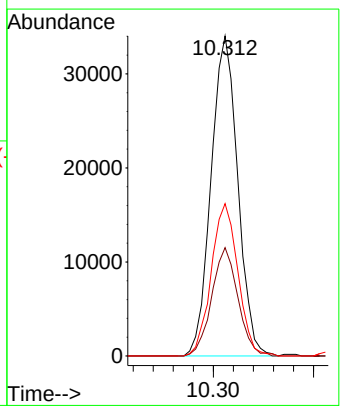
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

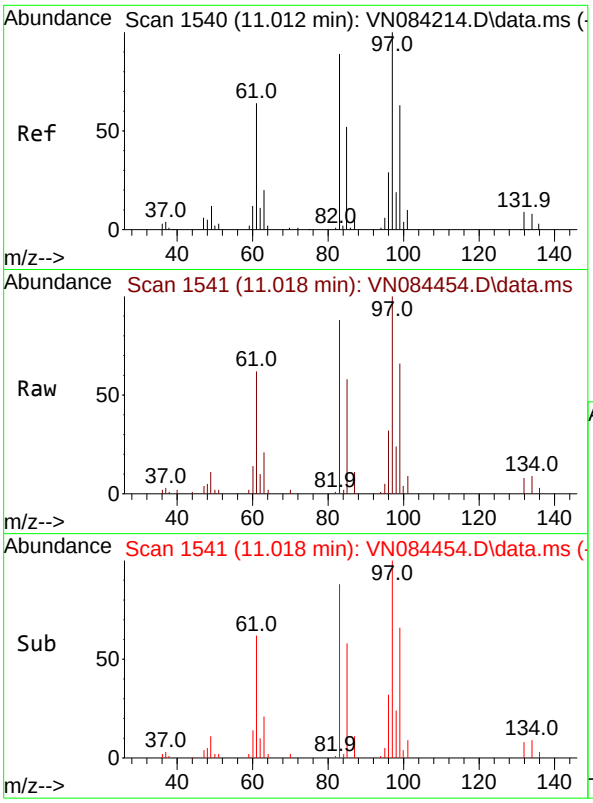


#54
cis-1,3-Dichloropropene
Concen: 19.062 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 62876

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.2	36.2
39	47.6	38.7	58.1

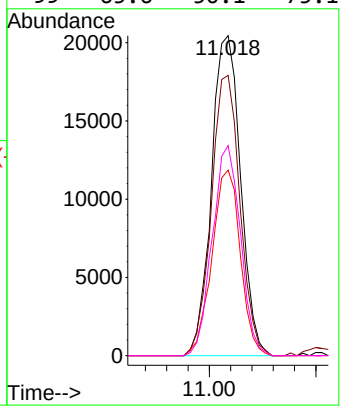




#55
1,1,2-Trichloroethane
Concen: 20.873 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 97 Resp: 3870

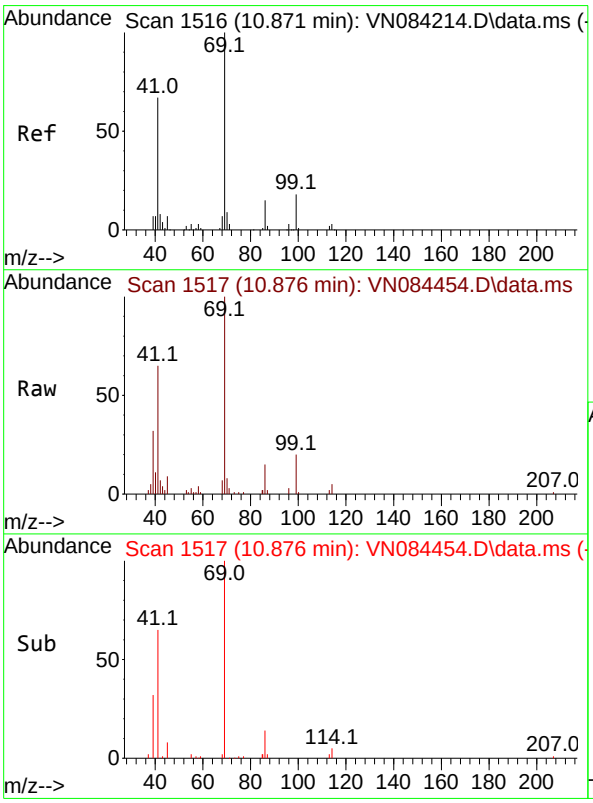
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.0	106.4
85	58.0	41.7	62.5
99	65.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

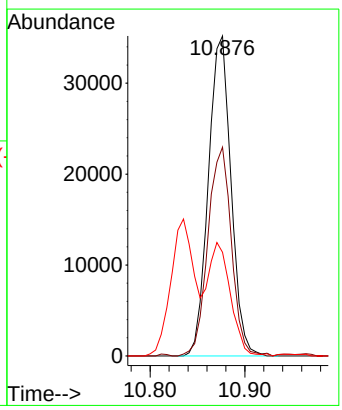
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

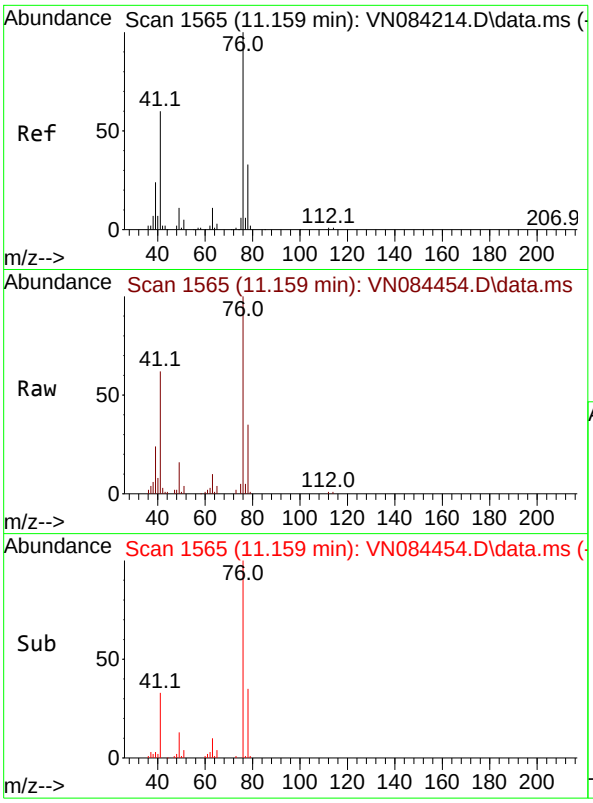


#56
Ethyl methacrylate
Concen: 19.181 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 69 Resp: 58523

Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.3	79.9
39	35.7	28.8	43.2

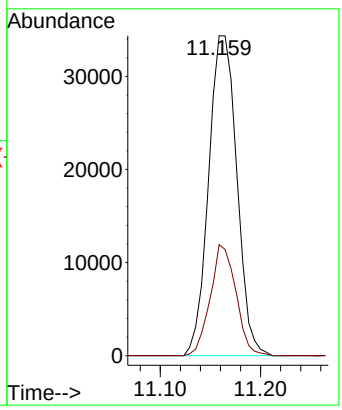




#57
1,3-Dichloropropane
Concen: 20.265 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 76 Resp: 6714

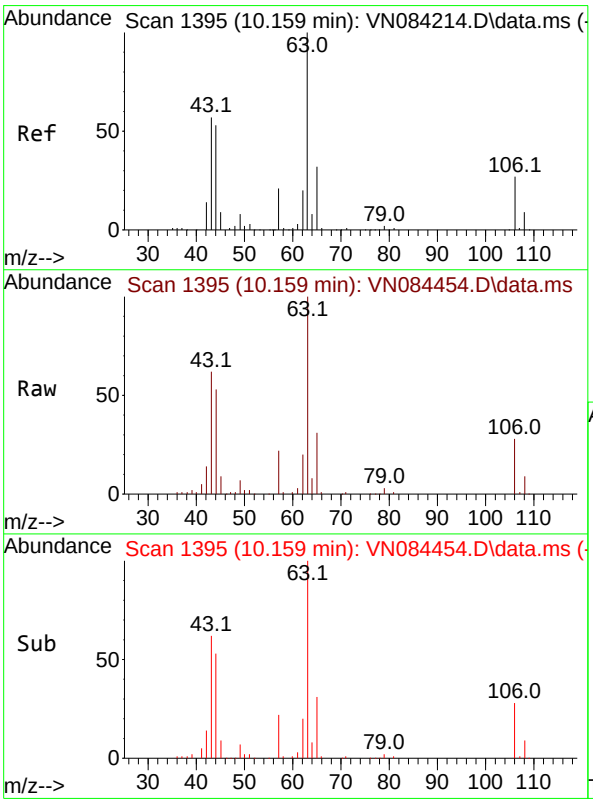
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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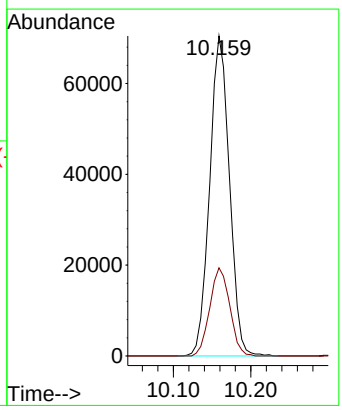
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

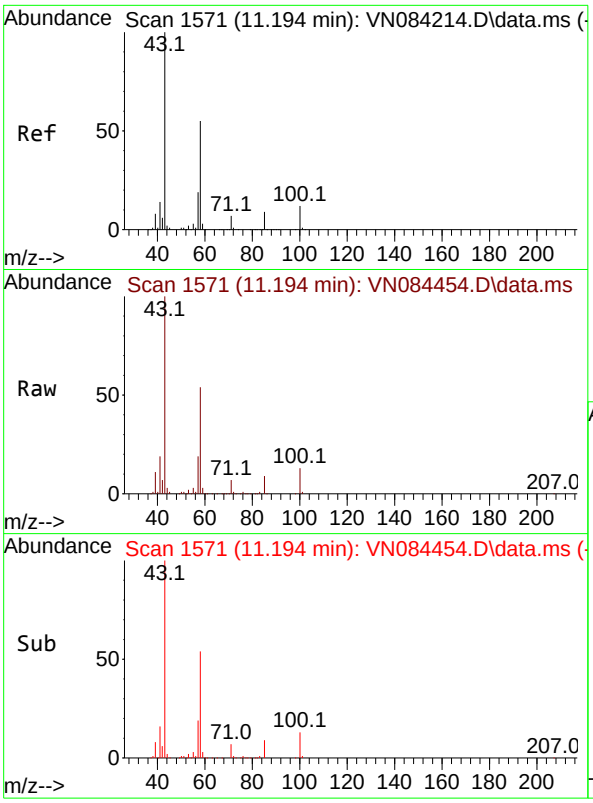


#58
2-Chloroethyl Vinyl ether
Concen: 88.160 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 63 Resp: 124778

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6





#59
2-Hexanone
Concen: 96.444 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

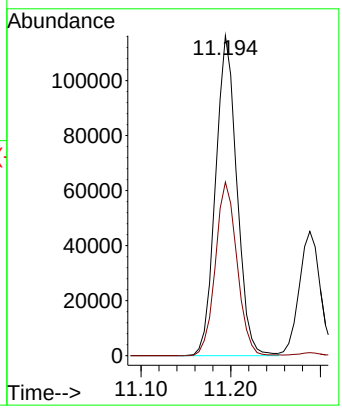
Tgt Ion: 43 Resp: 19165

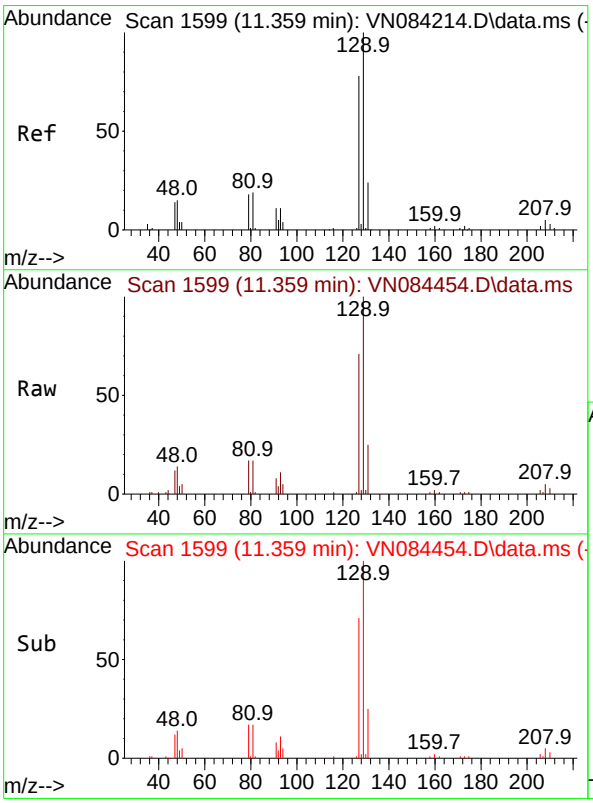
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

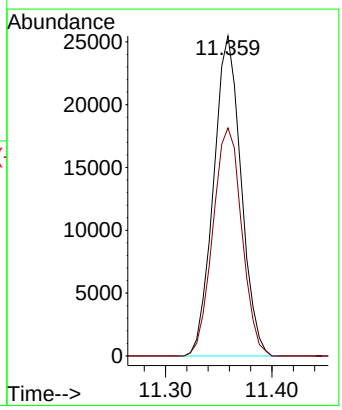


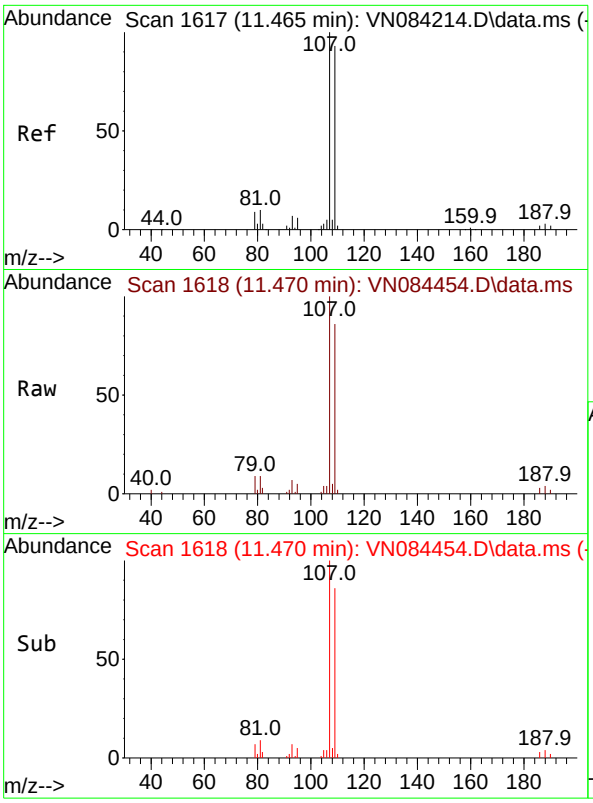


#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:129 Resp: 45689

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.3	114.9

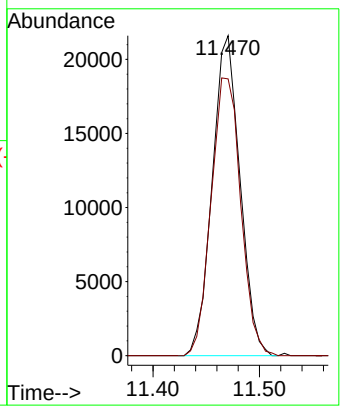




#61
1,2-Dibromoethane
Concen: 20.291 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:107 Resp: 3909

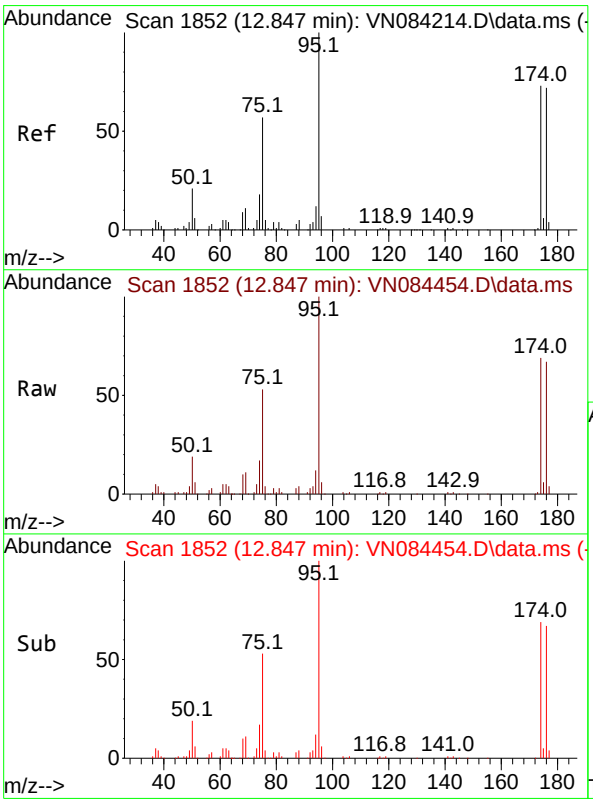
Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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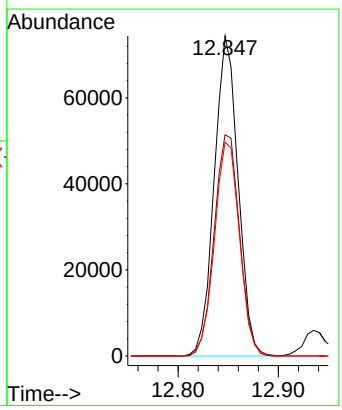
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

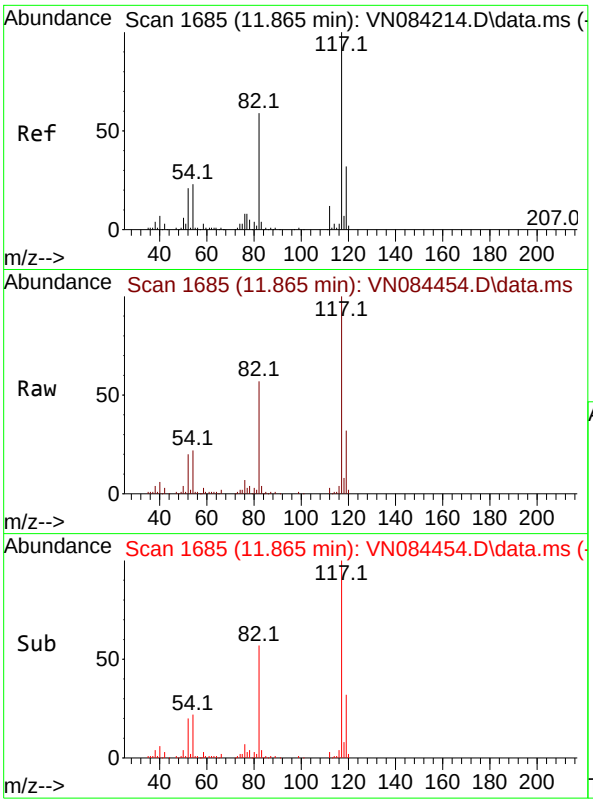


#62
4-Bromofluorobenzene
Concen: 48.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 95 Resp: 122807

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.2
176	70.1	0.0	140.0

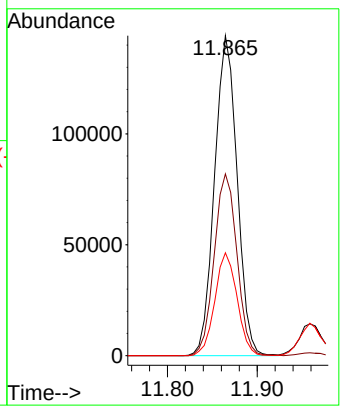




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:117 Resp: 25189

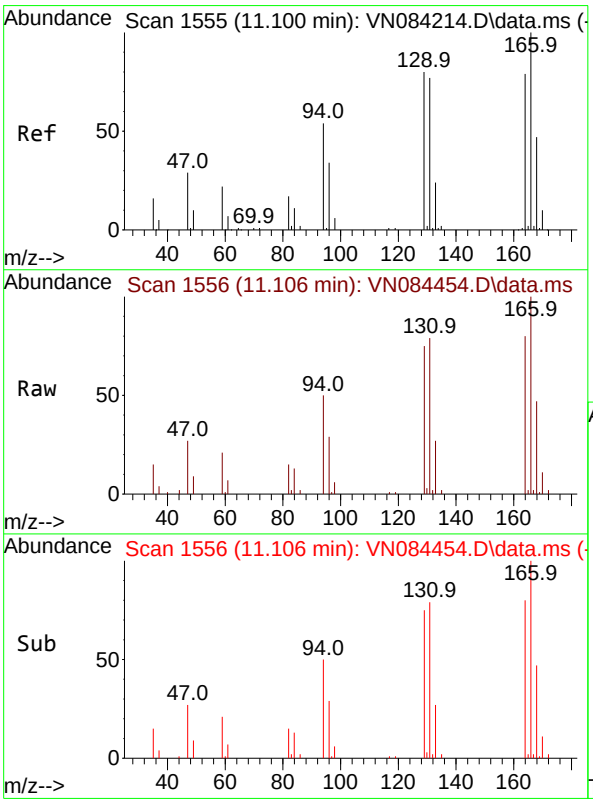
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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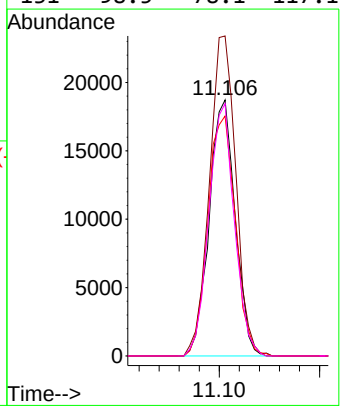
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

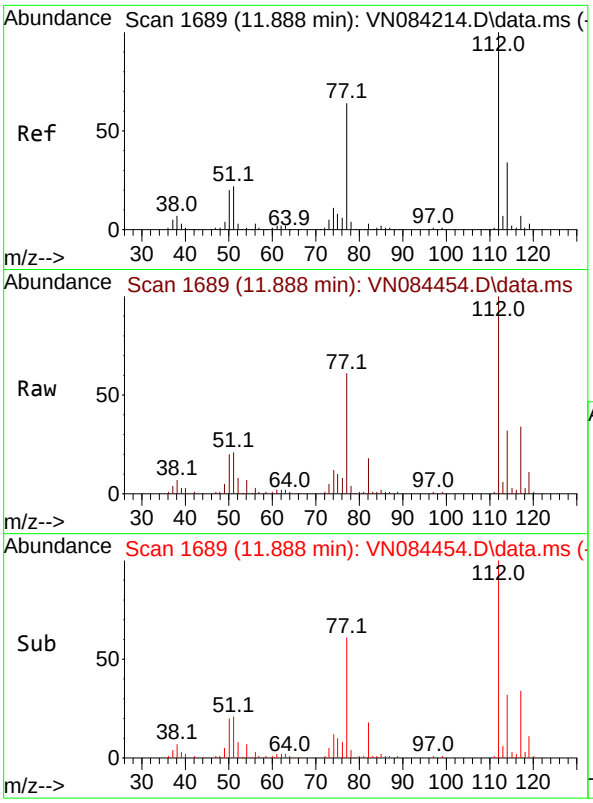


#64
Tetrachloroethene
Concen: 19.244 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:164 Resp: 33764

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.0	151.4
129	93.8	80.8	121.2
131	98.5	78.1	117.1

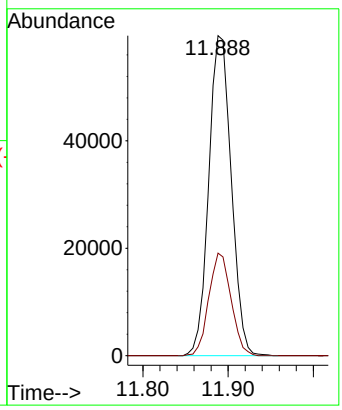




#65
Chlorobenzene
Concen: 19.587 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:112 Resp: 10939

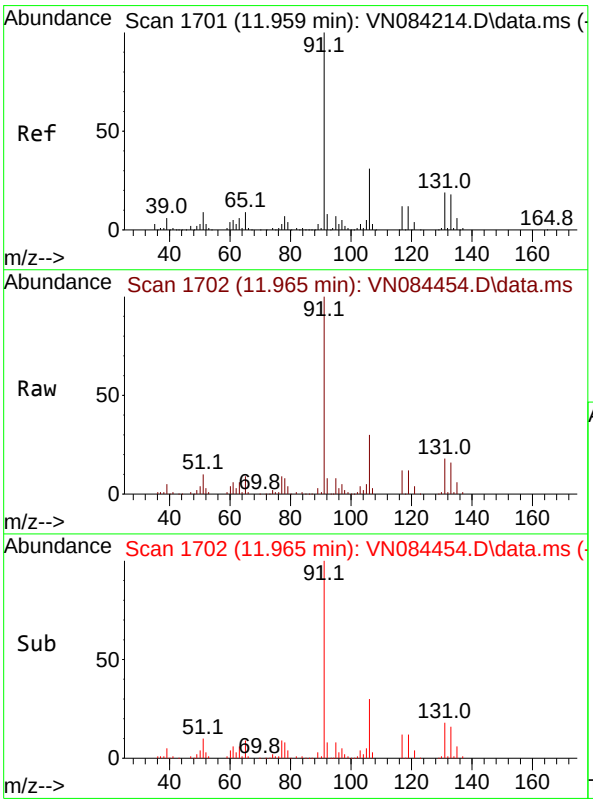
Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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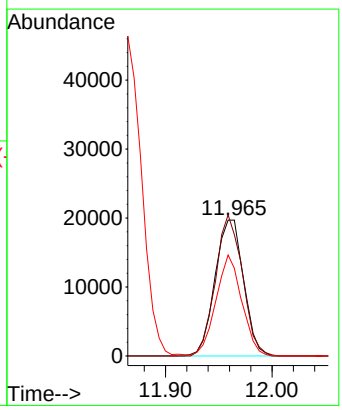
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

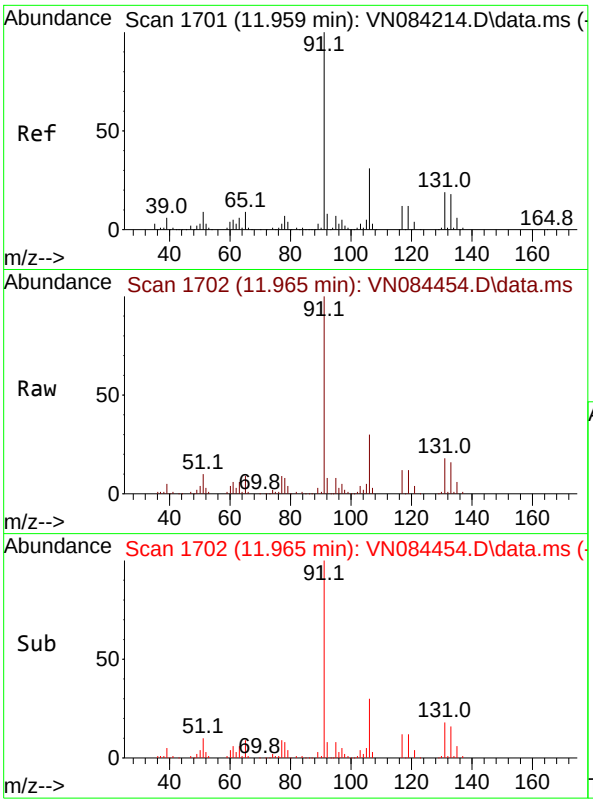


#66
1,1,1,2-Tetrachloroethane
Concen: 19.096 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:131 Resp: 36735

Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.9	143.7
119	67.1	32.8	98.3





#67
Ethyl Benzene
Concen: 18.246 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

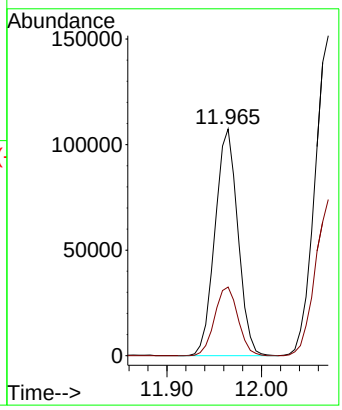
Tgt Ion: 91 Resp: 18022

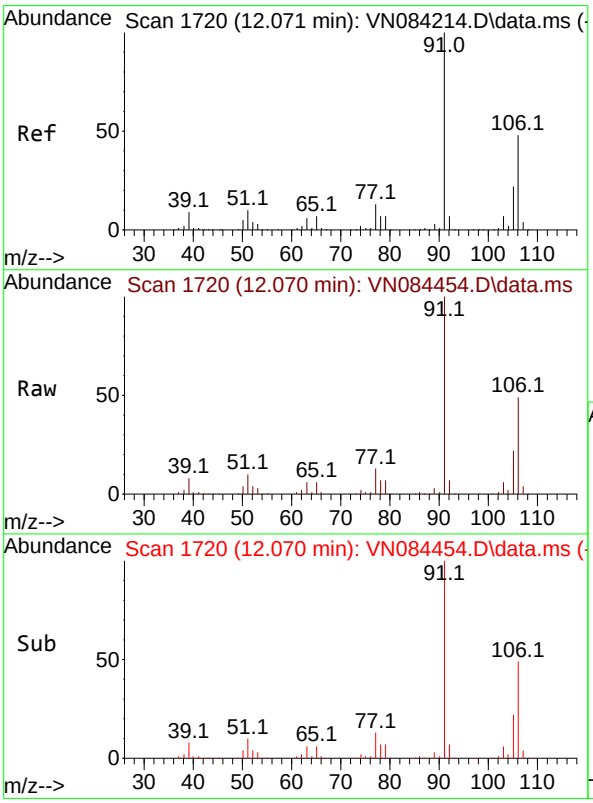
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

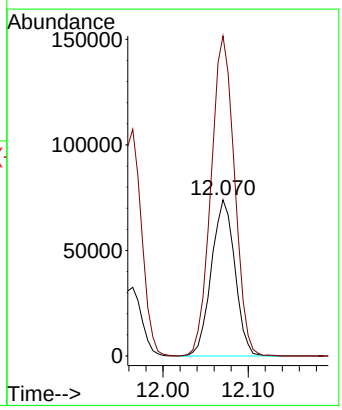


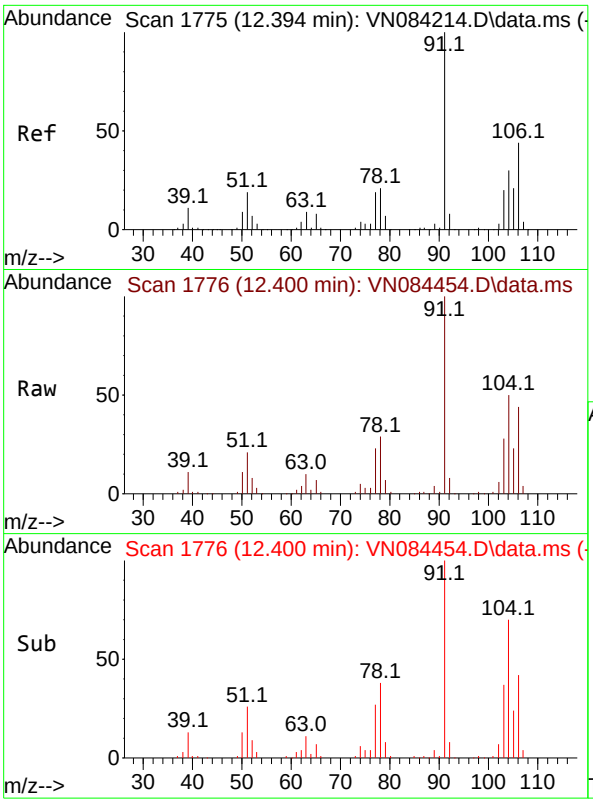


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:106 Resp: 141783

Ion	Ratio	Lower	Upper
106	100		
91	205.0	167.1	250.7

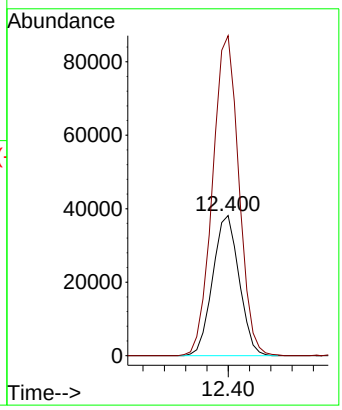




#69
o-Xylene
Concen: 18.995 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:106 Resp: 6566

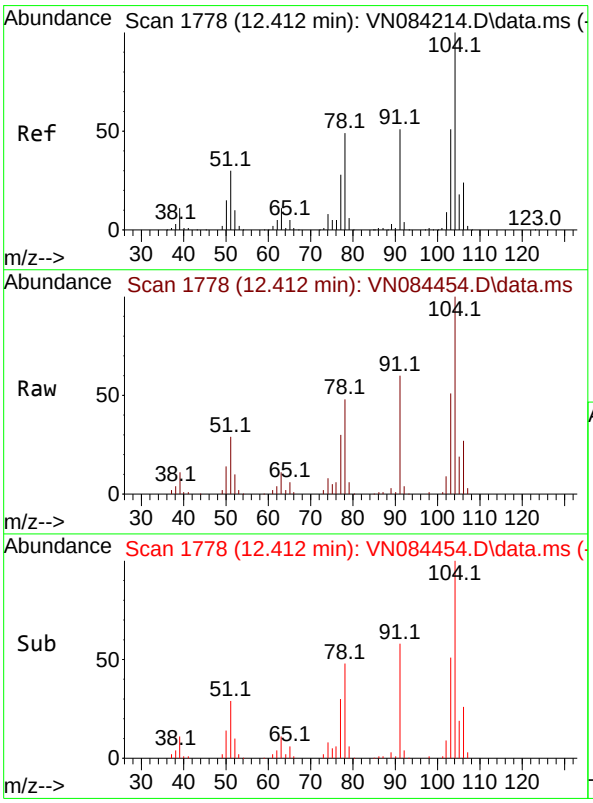
Ion	Ratio	Lower	Upper
106	100		
91	227.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

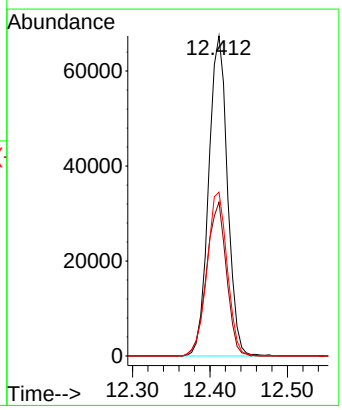
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

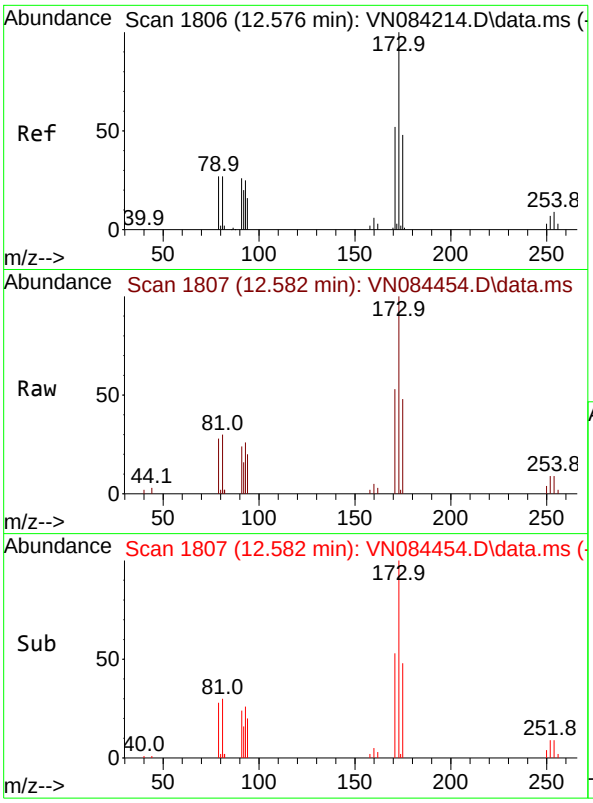


#70
Styrene
Concen: 19.435 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:104 Resp: 113796

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	55.1	43.6	65.4

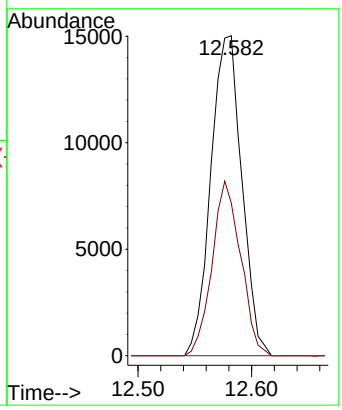




#71
Bromoform
Concen: 20.085 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:173 Resp: 2844

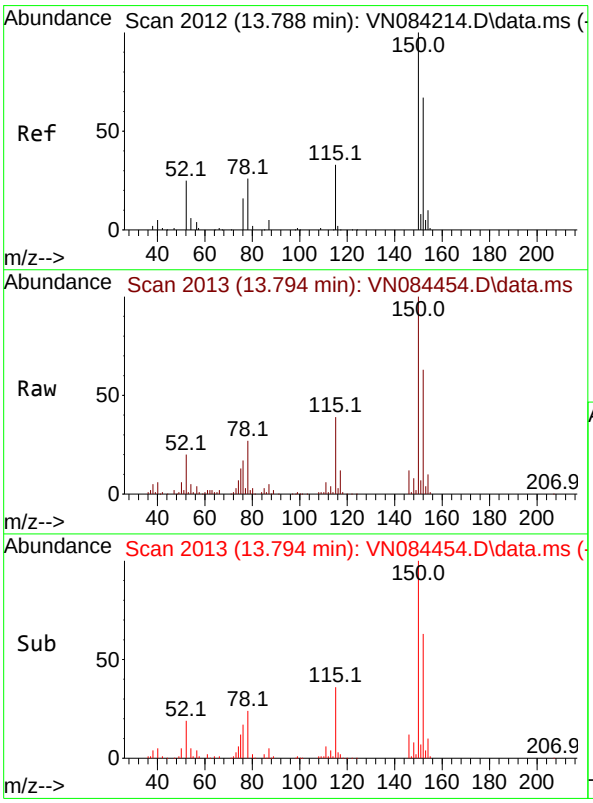
Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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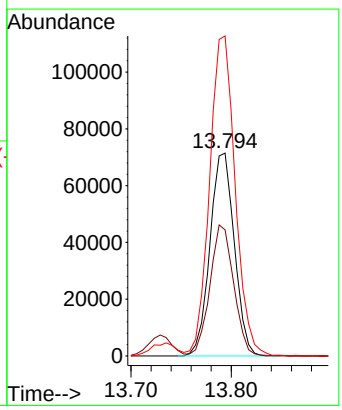
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

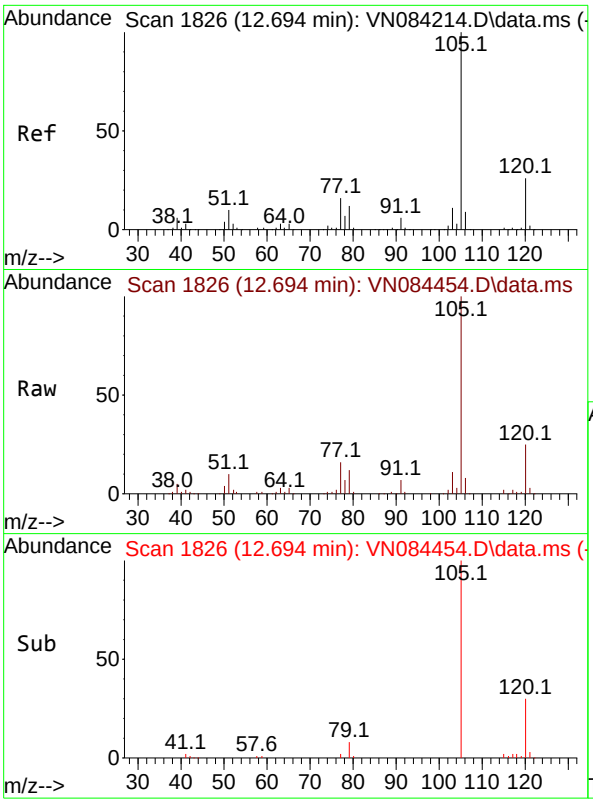


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:152 Resp: 120786

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	165.5	0.0	349.8

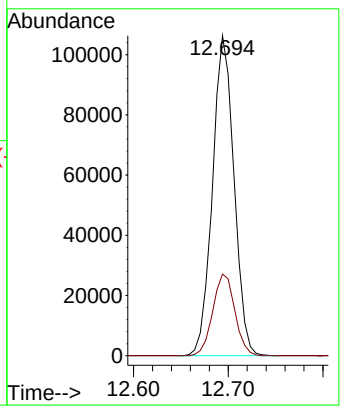




#73
Isopropylbenzene
Concen: 18.213 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 16787

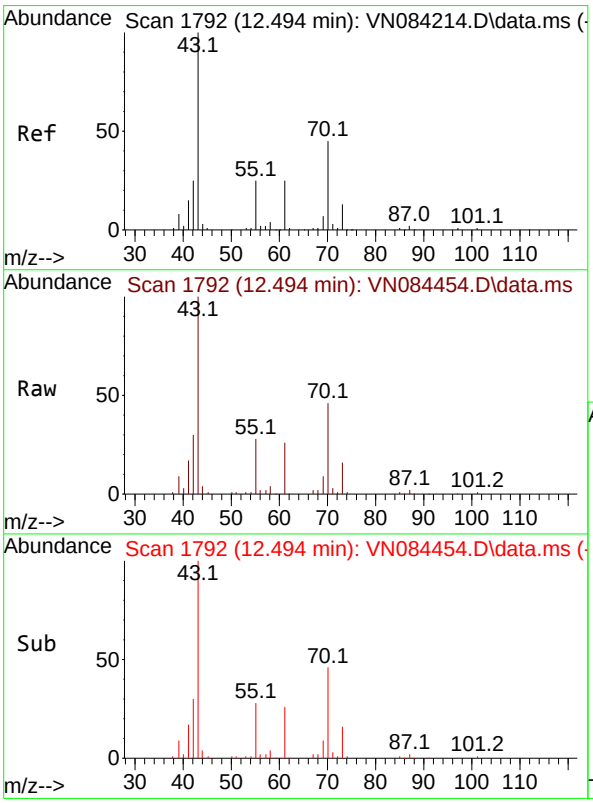
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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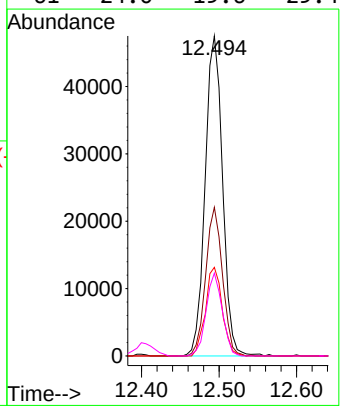
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

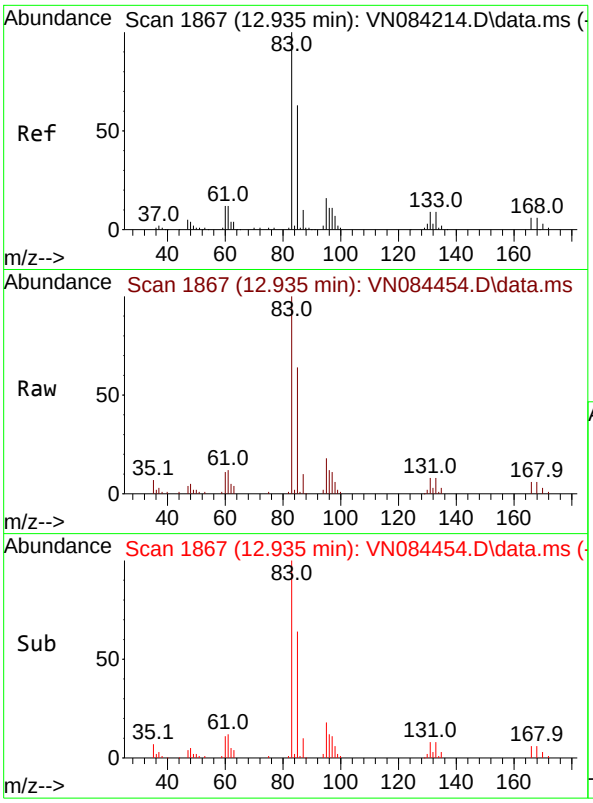


#74
N-amyl acetate
Concen: 17.789 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 74246

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.4	51.6
55	26.8	19.6	29.4
61	24.0	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 19.906 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

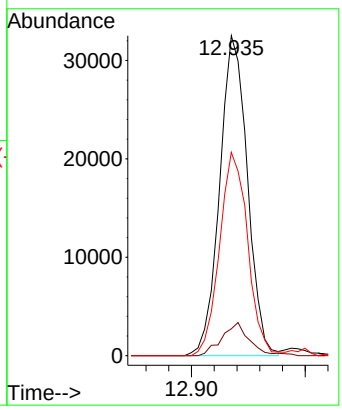
Tgt Ion: 83 Resp: 5517

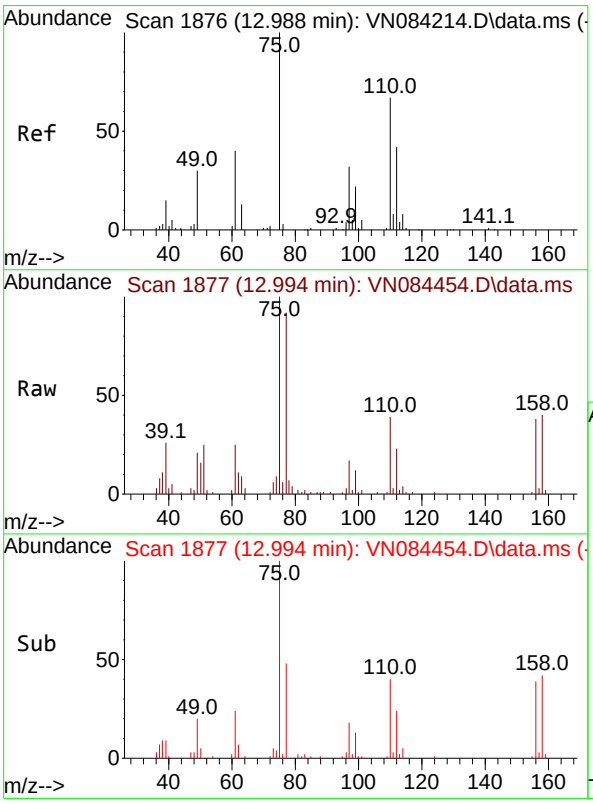
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	64.6	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

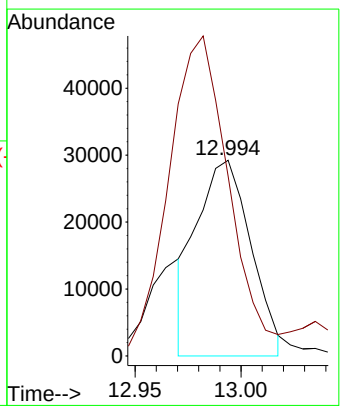


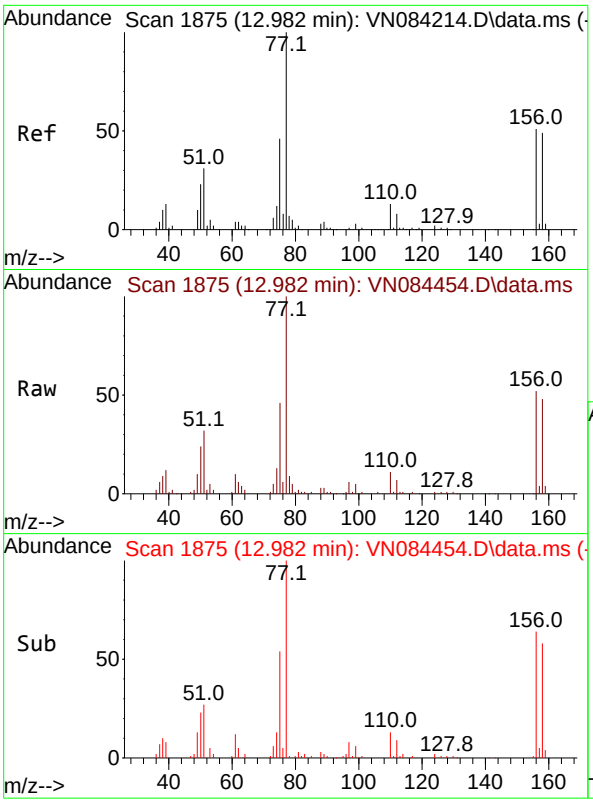


#76
1,2,3-Trichloropropane
Concen: 21.031 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 51860

Ion	Ratio	Lower	Upper
75	100		
77	182.4	96.9	290.7

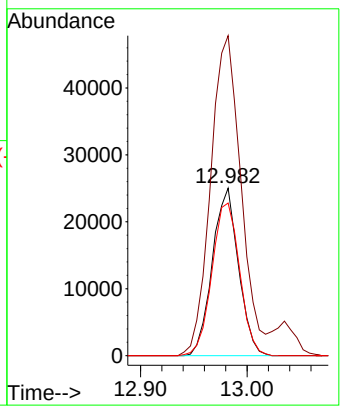




#77
Bromobenzene
Concen: 19.142 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:156 Resp: 4255

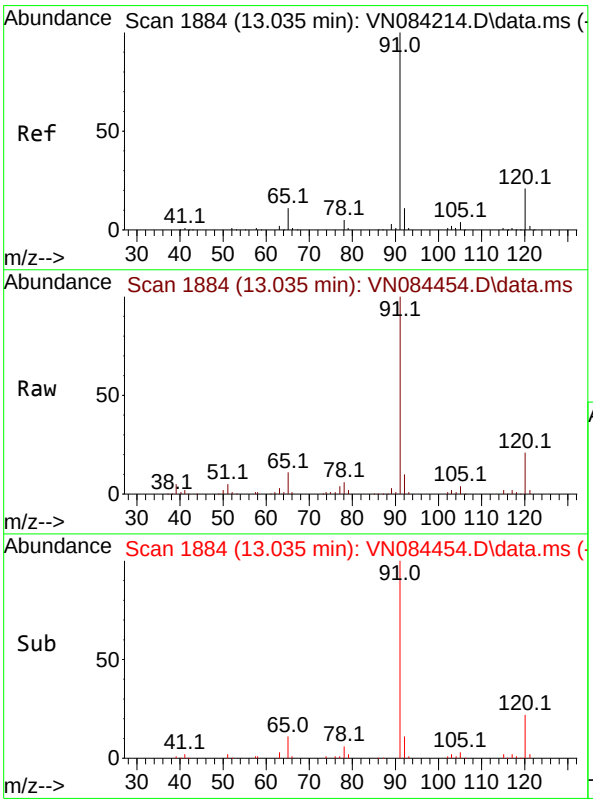
Ion	Ratio	Lower	Upper
156	100		
77	222.2	115.1	345.3
158	96.8	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

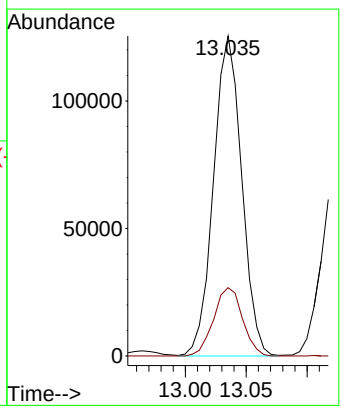
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

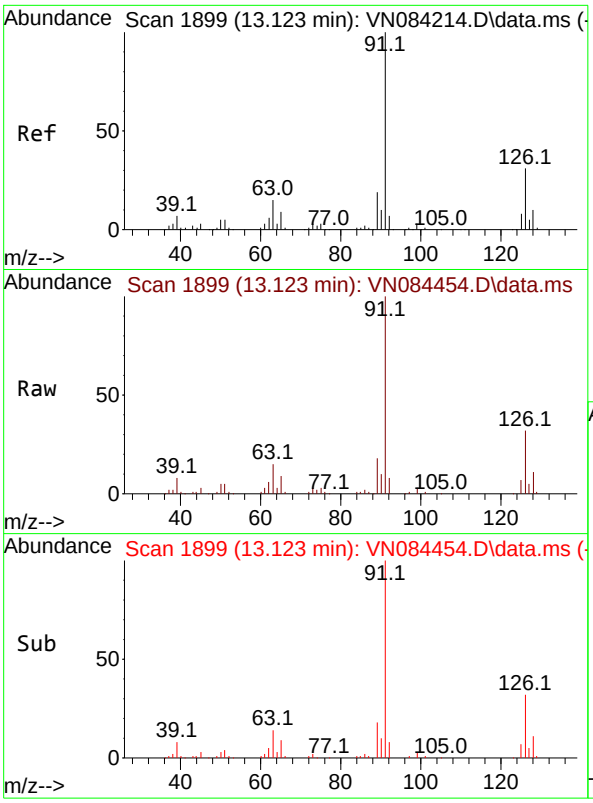


#78
n-propylbenzene
Concen: 18.916 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 91 Resp: 202008

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

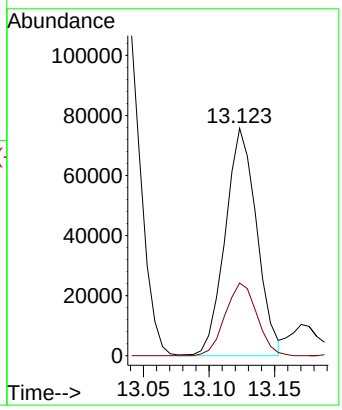




#79
2-Chlorotoluene
Concen: 18.577 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 91 Resp: 12658

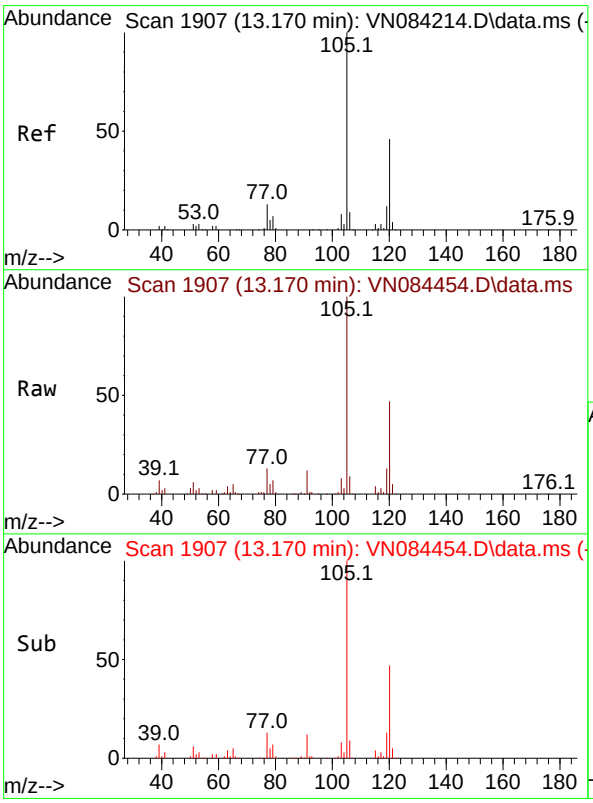
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

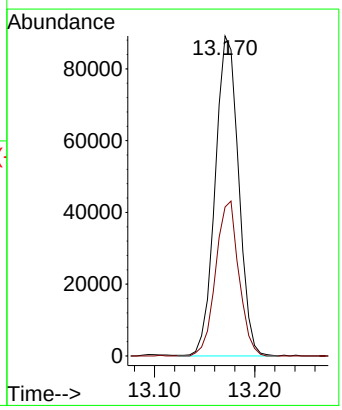
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

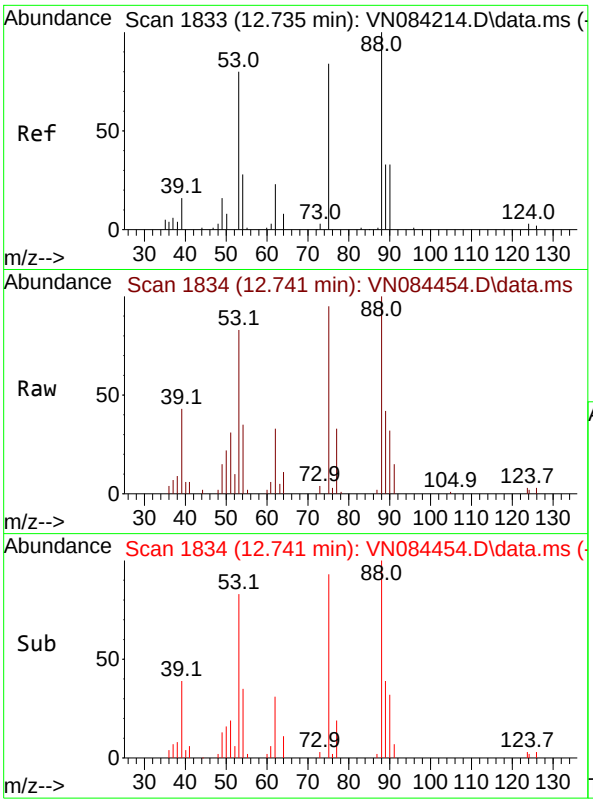


#80
1,3,5-Trimethylbenzene
Concen: 19.234 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 144609

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1

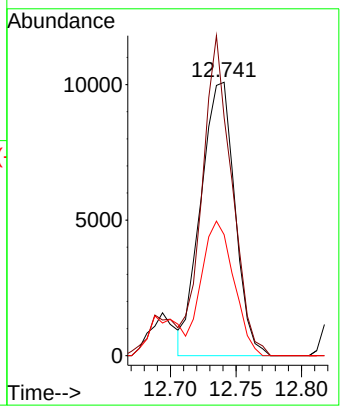




#81
trans-1,4-Dichloro-2-butene
Concen: 17.706 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 1821

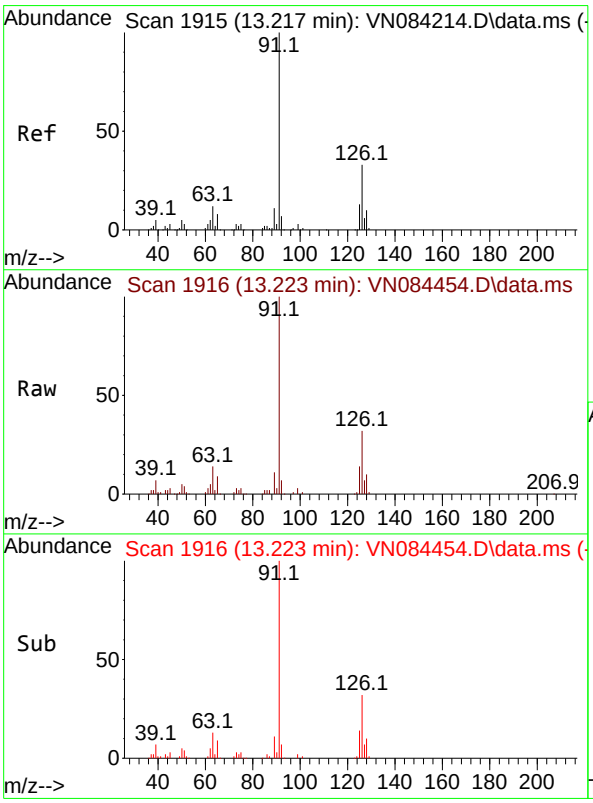
Ion	Ratio	Lower	Upper
75	100		
53	101.8	78.0	117.0
89	46.6	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

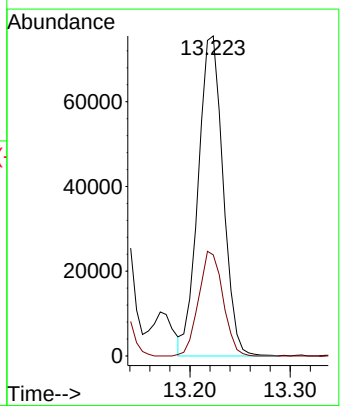
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

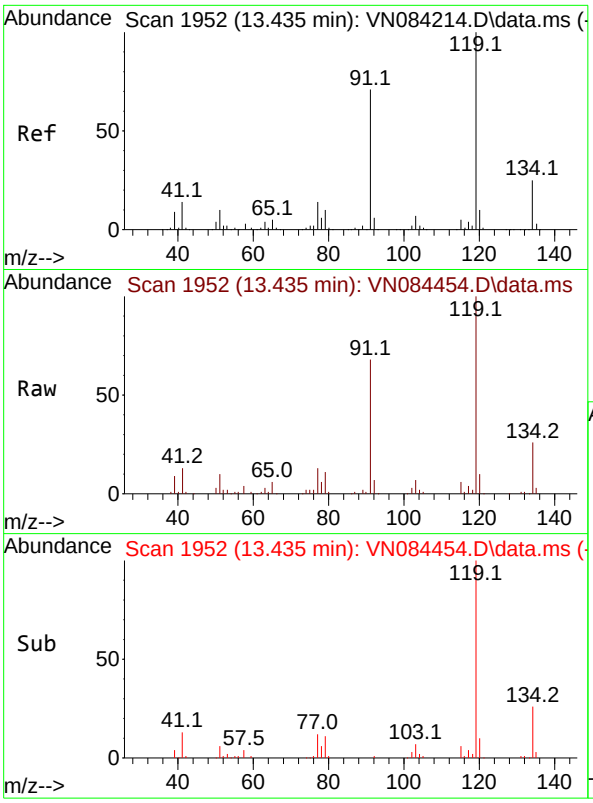


#82
4-Chlorotoluene
Concen: 18.984 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 91 Resp: 130226

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

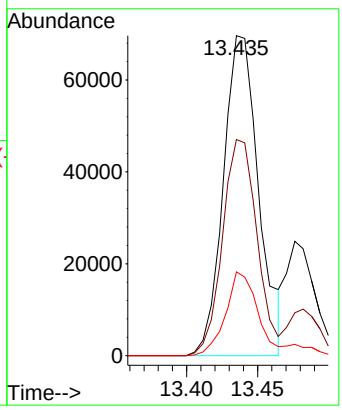




#83
tert-Butylbenzene
Concen: 18.060 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:119 Resp: 12068

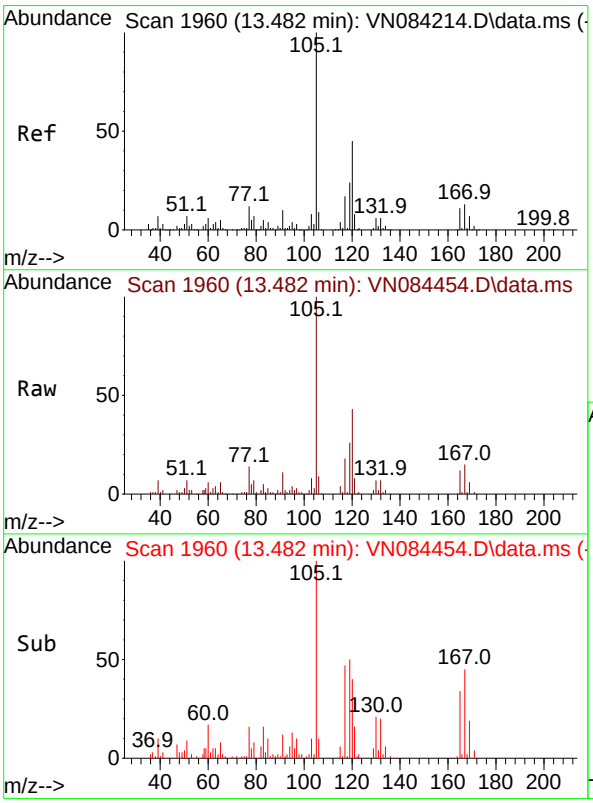
Ion	Ratio	Lower	Upper
119	100		
91	66.0	34.1	102.3
134	24.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

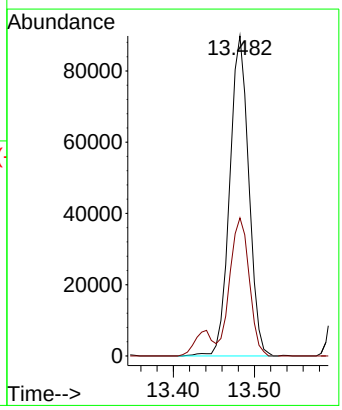
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

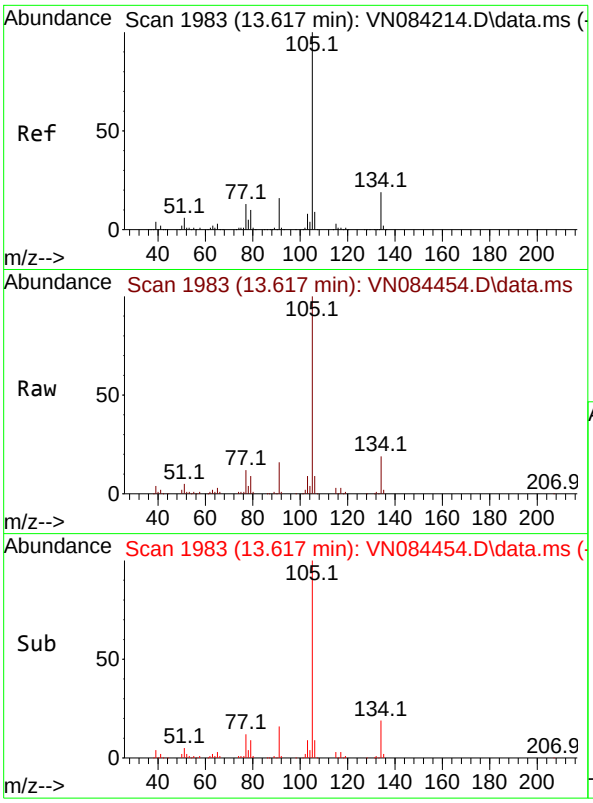


#84
1,2,4-Trimethylbenzene
Concen: 19.292 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 146120

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8

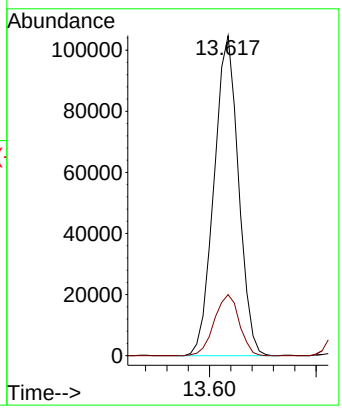




#85
sec-Butylbenzene
Concen: 18.707 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 16681

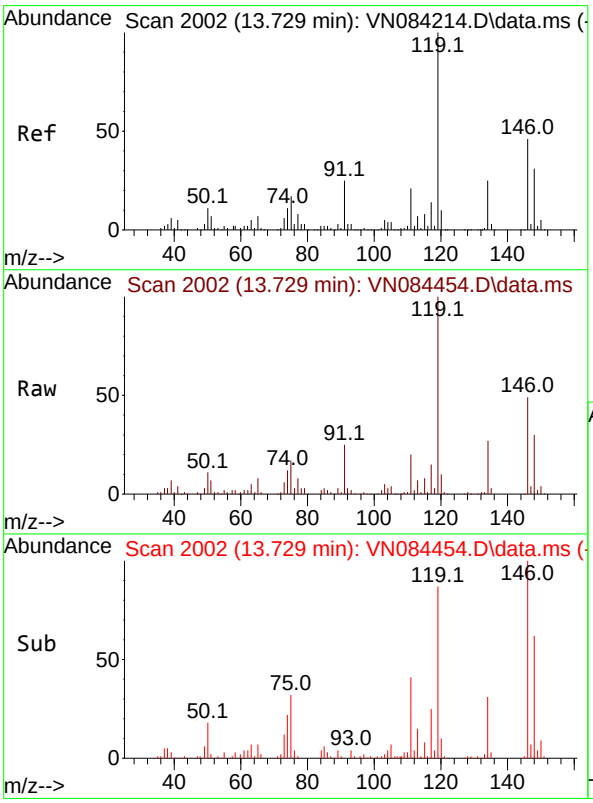
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

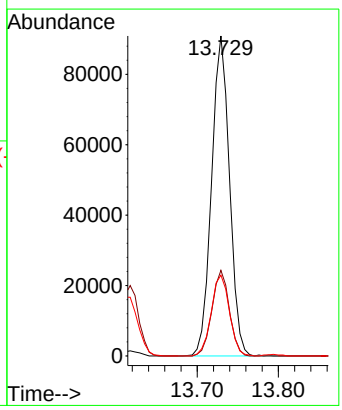
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

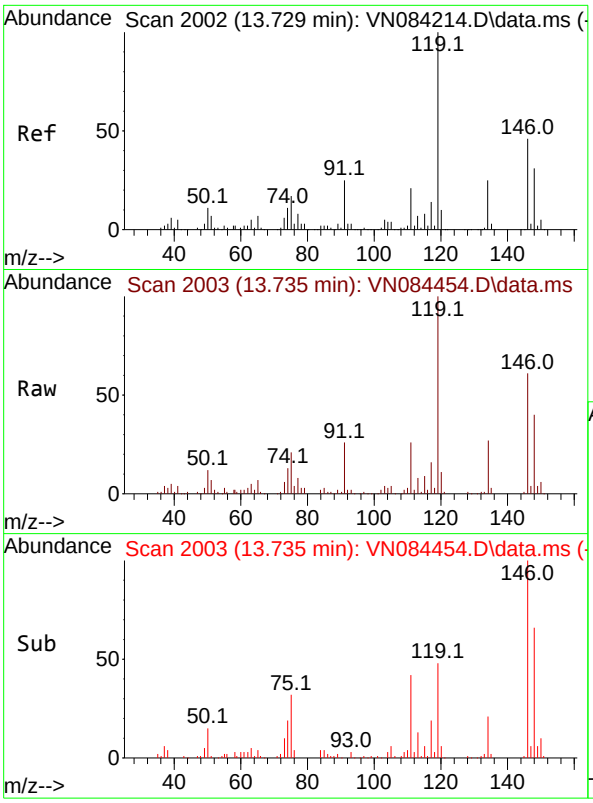


#86
p-Isopropyltoluene
Concen: 18.921 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:119 Resp: 139521

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.6	12.4	37.2

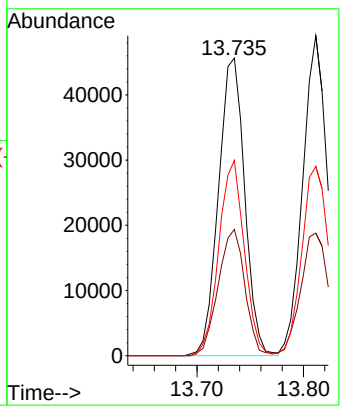




#87
1,3-Dichlorobenzene
Concen: 18.726 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:146 Resp: 7810

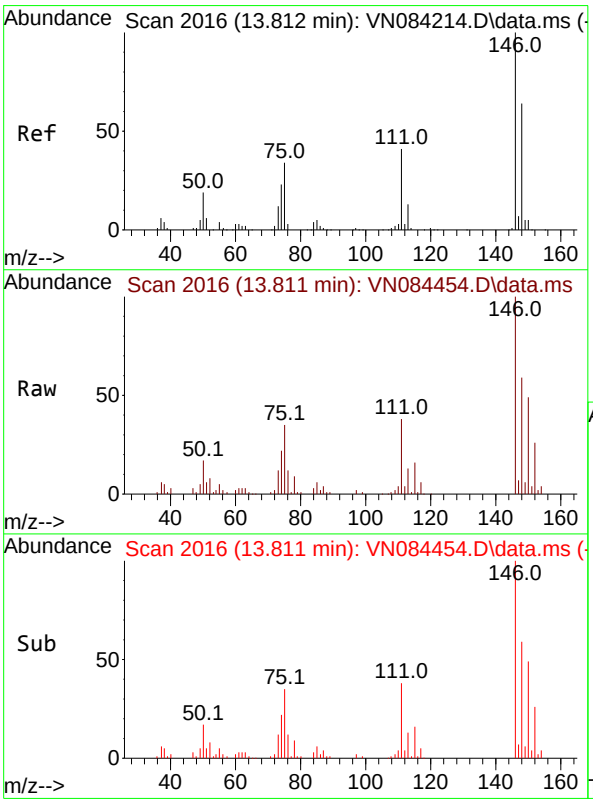
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

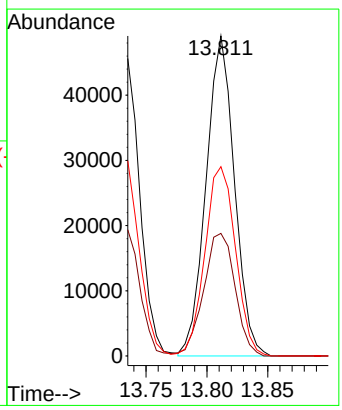
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

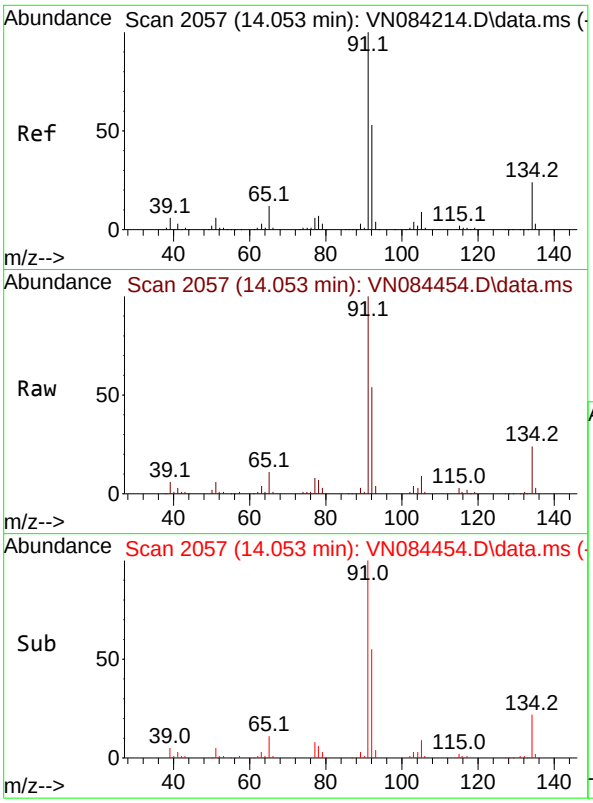


#88
1,4-Dichlorobenzene
Concen: 18.904 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:146 Resp: 79624

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.8	31.9	95.9





#89
n-Butylbenzene
Concen: 17.746 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

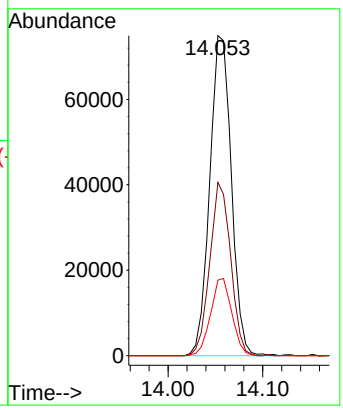
Tgt Ion: 91 Resp: 11865

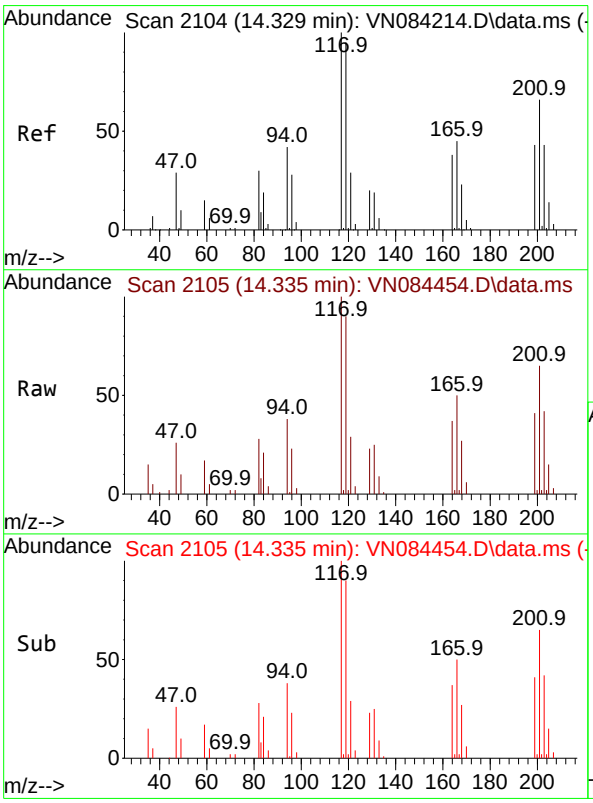
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	23.8	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

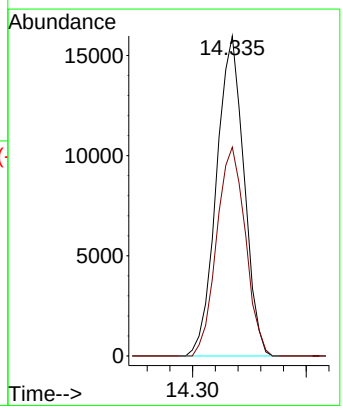


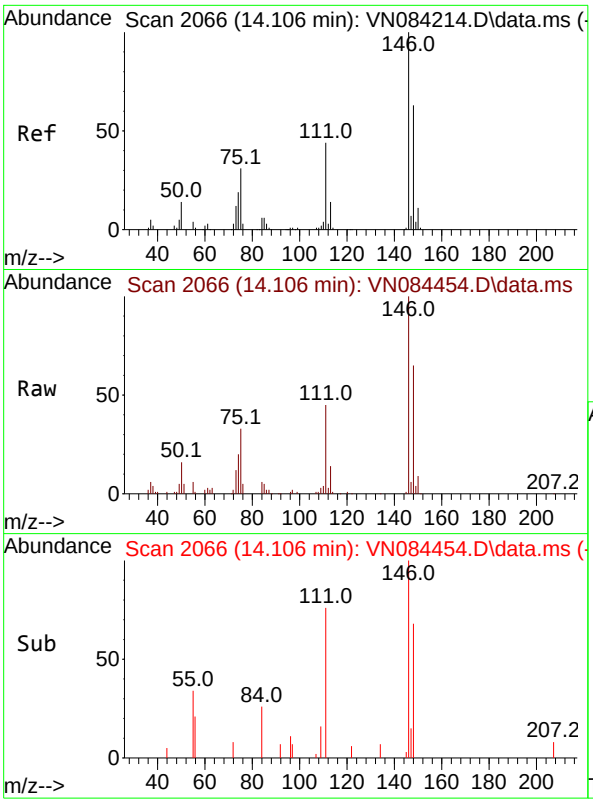


#90
Hexachloroethane
Concen: 17.962 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:117 Resp: 26884

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2

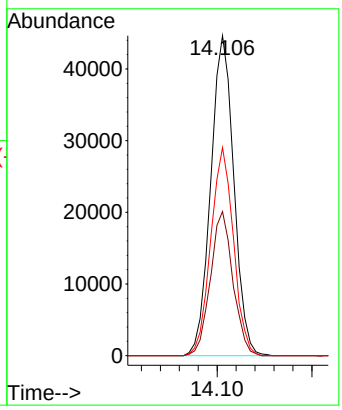




#91
1,2-Dichlorobenzene
Concen: 18.471 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:146 Resp: 7554

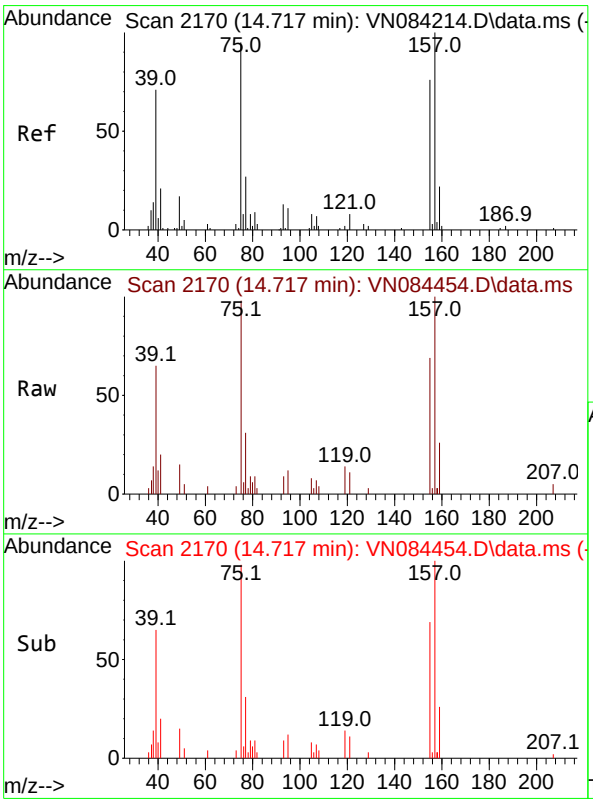
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

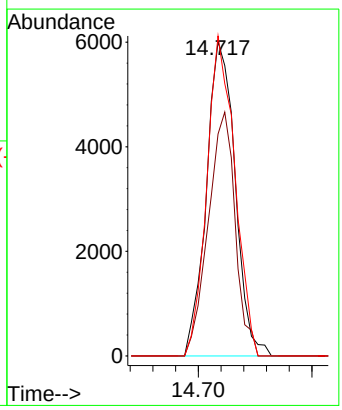
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

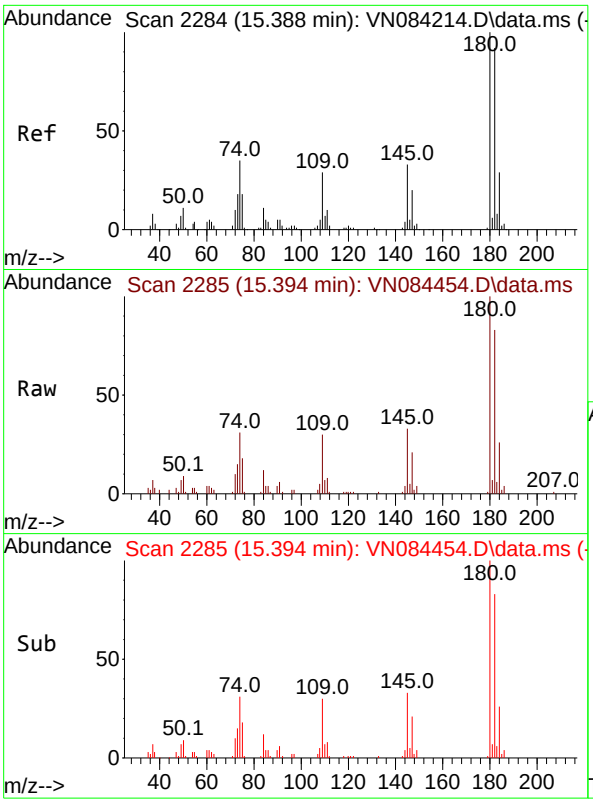


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.481 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 10570

Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.1	114.5
157	98.9	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 18.139 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

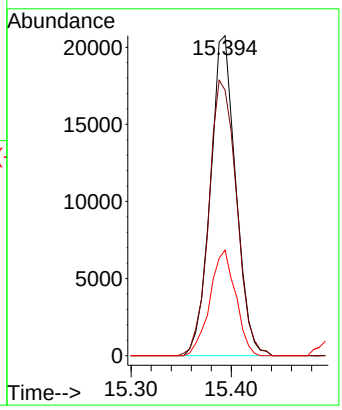
Tgt Ion:180 Resp: 3654

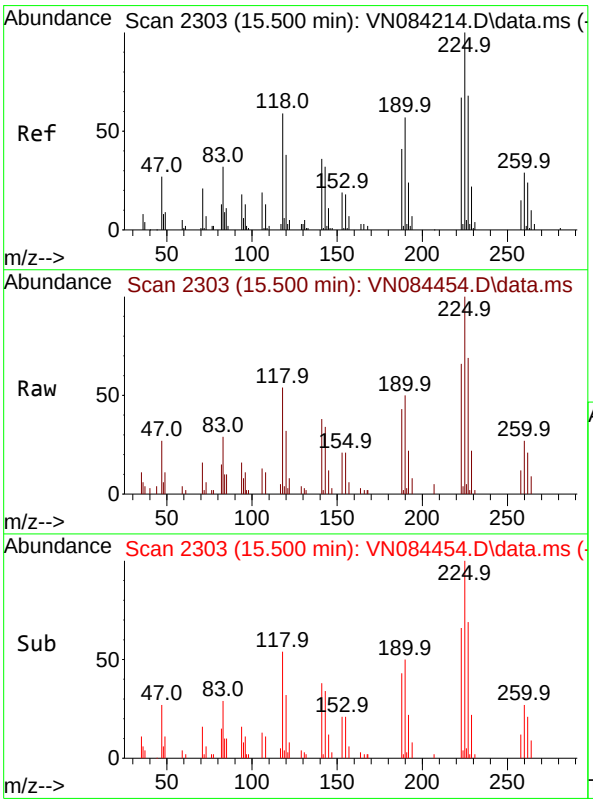
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	33.4	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

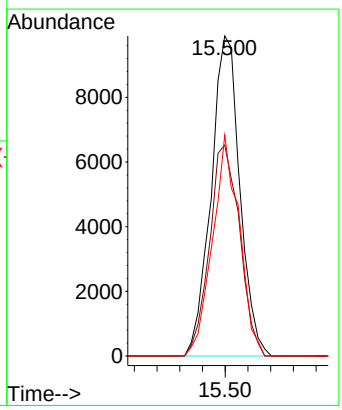


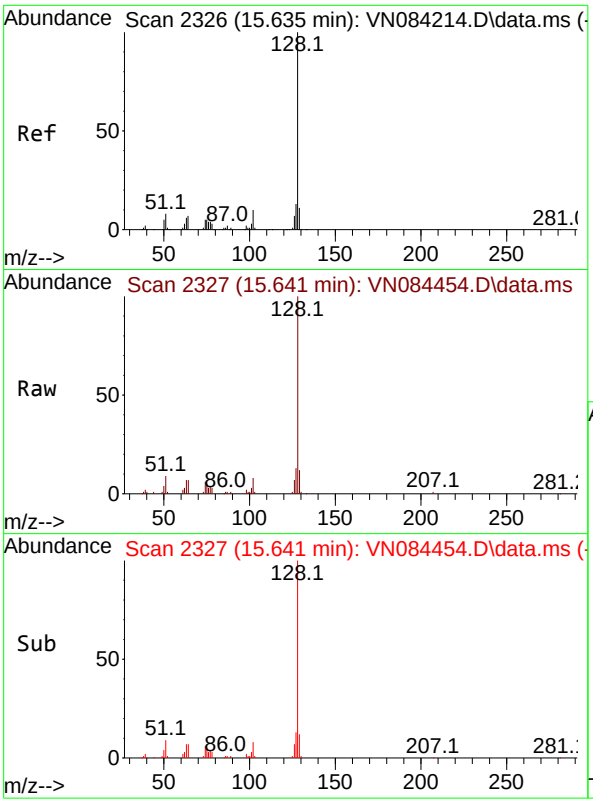


#94
Hexachlorobutadiene
Concen: 17.312 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:225 Resp: 17391

Ion	Ratio	Lower	Upper
225	100		
223	68.9	32.4	97.2
227	64.1	32.4	97.0

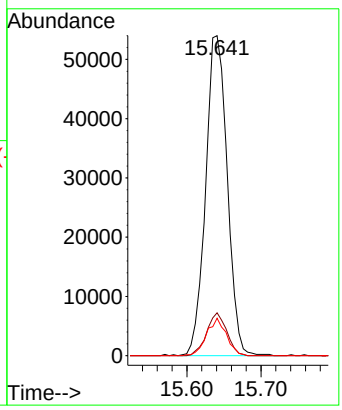




#95
Naphthalene
Concen: 16.414 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:128 Resp: 10961(

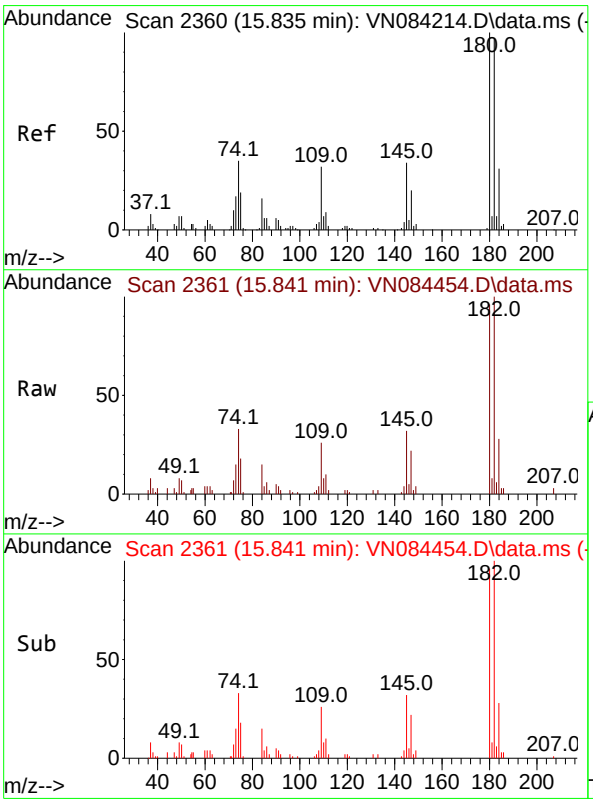
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
APPROVED

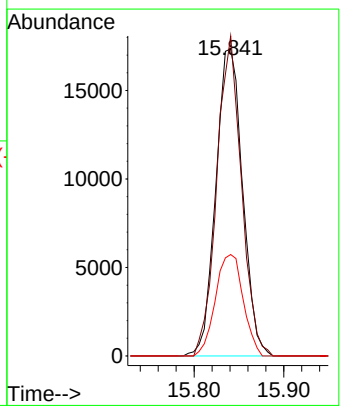
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.827 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:180 Resp: 35947

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	34.2	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:	VN102224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084450.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:28 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBS01	VN084453.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:33 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBSD01	VN084454.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:38 AM	MMDadoda	10/23/2024 1:06:29 PM	Peak Integrated by Software
VSTDCCC050	VN084464.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:49 AM	MMDadoda	10/23/2024 1:06:32 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 # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084449.D	22 Oct 2024 08:33	JC\MD	Ok
2	VSTDCCC050	VN084450.D	22 Oct 2024 12:50	JC\MD	Ok,M
3	VN1022MBL01	VN084451.D	22 Oct 2024 13:14	JC\MD	Ok
4	VN1022WBL01	VN084452.D	22 Oct 2024 13:38	JC\MD	Ok
5	VN1022WBS01	VN084453.D	22 Oct 2024 14:01	JC\MD	Ok,M
6	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45	JC\MD	Ok,M
7	P4475-04	VN084455.D	22 Oct 2024 15:09	JC\MD	Ok
8	P4475-01	VN084456.D	22 Oct 2024 15:33	JC\MD	Ok
9	IBLK	VN084457.D	22 Oct 2024 16:21	JC\MD	Ok
10	P4475-05	VN084458.D	22 Oct 2024 16:45	JC\MD	Ok
11	P4475-06	VN084459.D	22 Oct 2024 17:09	JC\MD	Ok
12	P4475-03	VN084460.D	22 Oct 2024 17:33	JC\MD	Ok
13	P4475-02	VN084461.D	22 Oct 2024 17:57	JC\MD	Ok
14	P4397-06	VN084462.D	22 Oct 2024 18:21	JC\MD	Ok,M
15	P4460-04	VN084463.D	22 Oct 2024 18:46	JC\MD	Ok
16	VSTDCCC050	VN084464.D	22 Oct 2024 19:10	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 # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
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	VN084449.D	22 Oct 2024 08:33		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084450.D	22 Oct 2024 12:50		JC\MD	Ok,M
3	VN1022MBL01	VN1022MBL01	VN084451.D	22 Oct 2024 13:14		JC\MD	Ok
4	VN1022WBL01	VN1022WBL01	VN084452.D	22 Oct 2024 13:38		JC\MD	Ok
5	VN1022WBS01	VN1022WBS01	VN084453.D	22 Oct 2024 14:01		JC\MD	Ok,M
6	VN1022WBSD01	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45		JC\MD	Ok,M
7	P4475-04	BP-VPB-190-GW-238-2	VN084455.D	22 Oct 2024 15:09	vial A pH<2	JC\MD	Ok
8	P4475-01	BP-VPB-190-TB-20241	VN084456.D	22 Oct 2024 15:33	vial A pH<2, TB	JC\MD	Ok
9	IBLK	IBLK	VN084457.D	22 Oct 2024 16:21		JC\MD	Ok
10	P4475-05	BP-VPB-190-GW-258-2	VN084458.D	22 Oct 2024 16:45	vial A pH<2	JC\MD	Ok
11	P4475-06	BP-VPB-190-GW-278-2	VN084459.D	22 Oct 2024 17:09	vial A pH<2	JC\MD	Ok
12	P4475-03	BP-VPB-190-GW-223-2	VN084460.D	22 Oct 2024 17:33	vial A pH<2	JC\MD	Ok
13	P4475-02	BP-VPB-190-DUP-2024	VN084461.D	22 Oct 2024 17:57	vial A pH<2	JC\MD	Ok
14	P4397-06	WB-301-BOT	VN084462.D	22 Oct 2024 18:21		JC\MD	Ok,M
15	P4460-04	WB-303-BOT	VN084463.D	22 Oct 2024 18:46		JC\MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VN084464.D	22 Oct 2024 19:10		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4475

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VN102224,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130314,VP130430,VP130836,VP131018,VP131019,VP131020,

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	VP131018	10/22/2024	10/23/2024	John Carlone	None	None	Mahesh Dadoda 10/25/2024

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	VP131019	10/22/2024	10/23/2024	John Carlone	None	None	Mahesh Dadoda 10/25/2024

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	VP131020	10/22/2024	10/23/2024	John Carlone	None	None	Mahesh Dadoda 10/25/2024

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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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 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

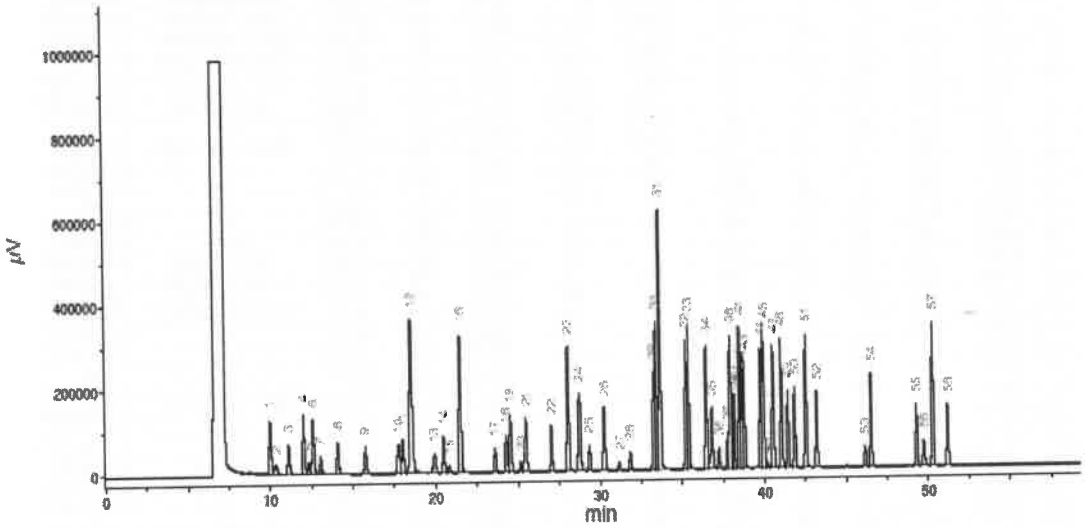
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	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	40003.6	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	46.48
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): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

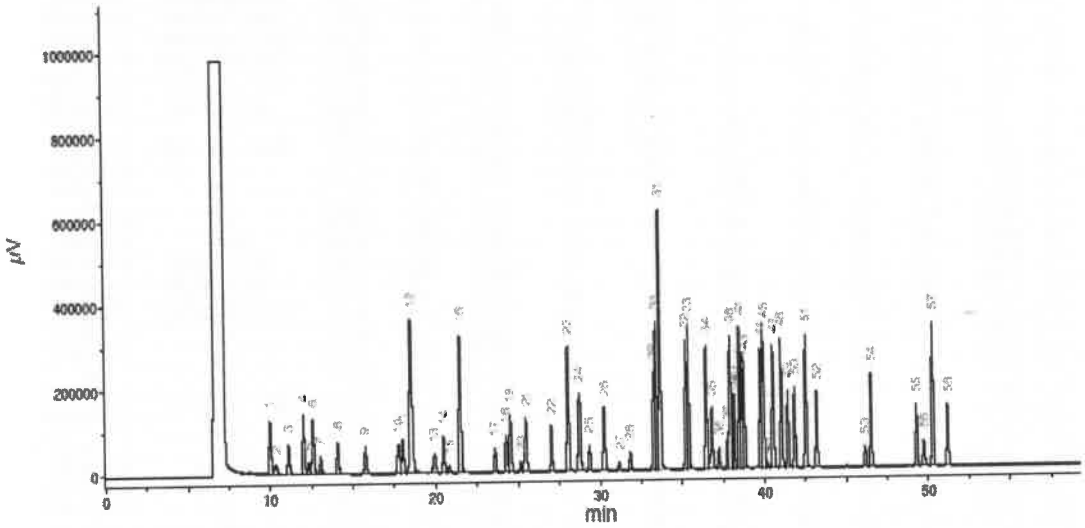
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

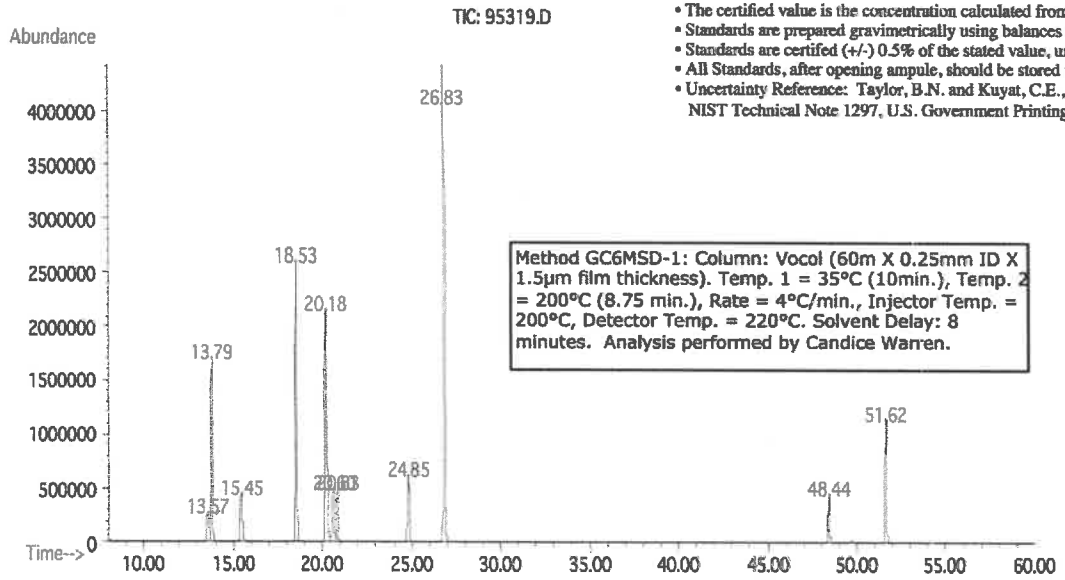
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

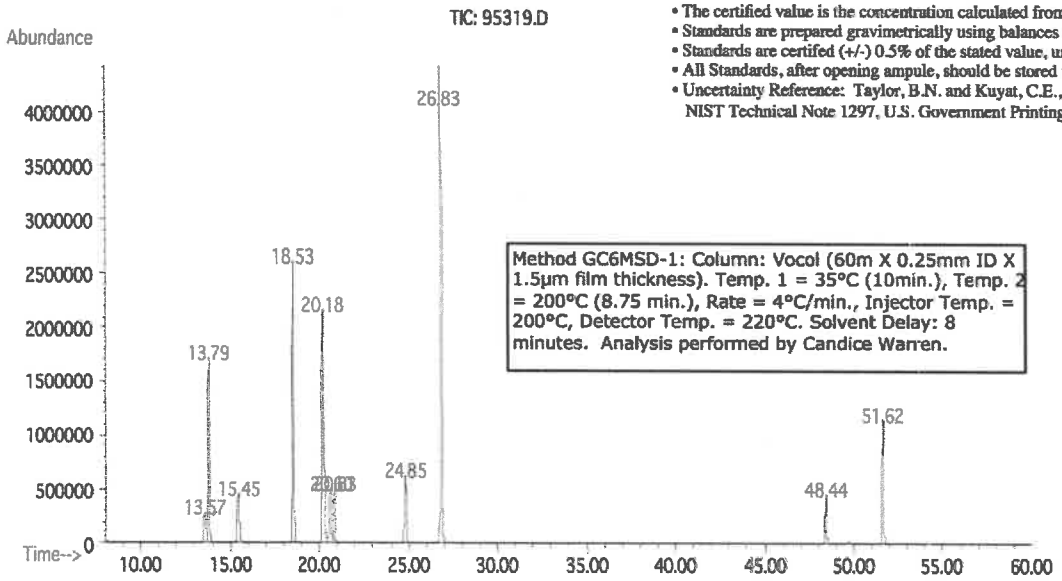
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

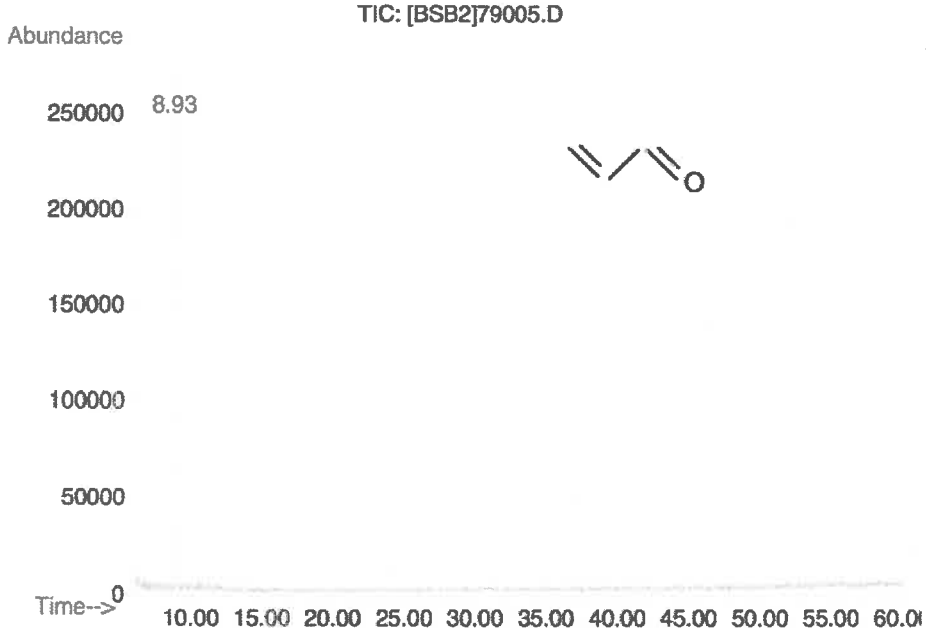
Solvent(s): **Lot#**
Water 072324Q

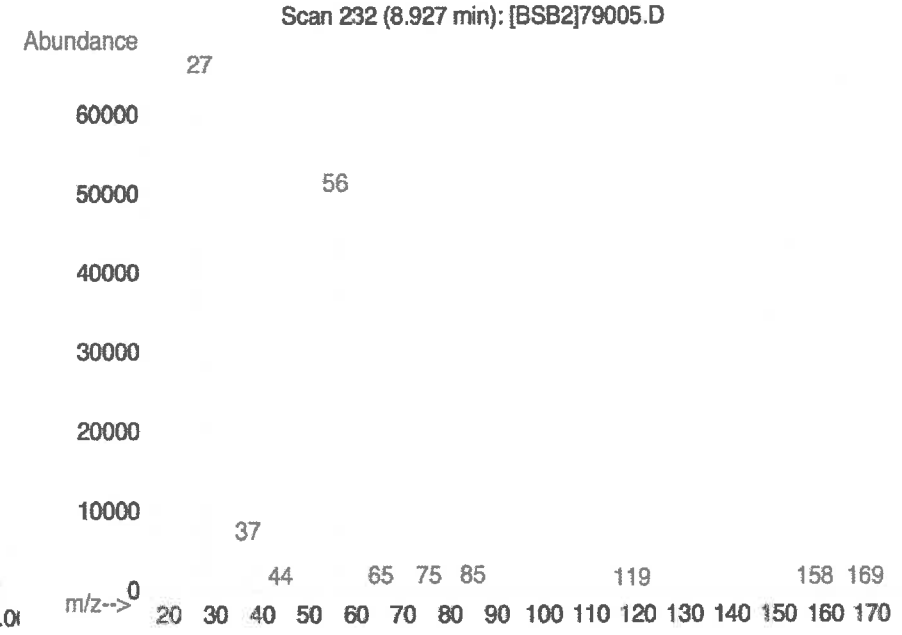
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

	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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

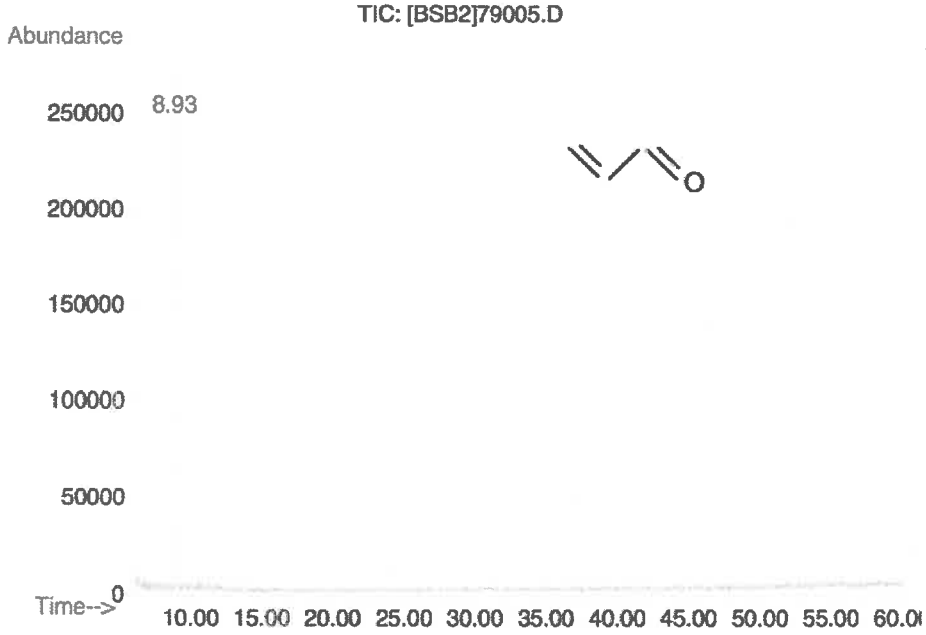
Solvent(s): **Lot#**
Water 072324Q

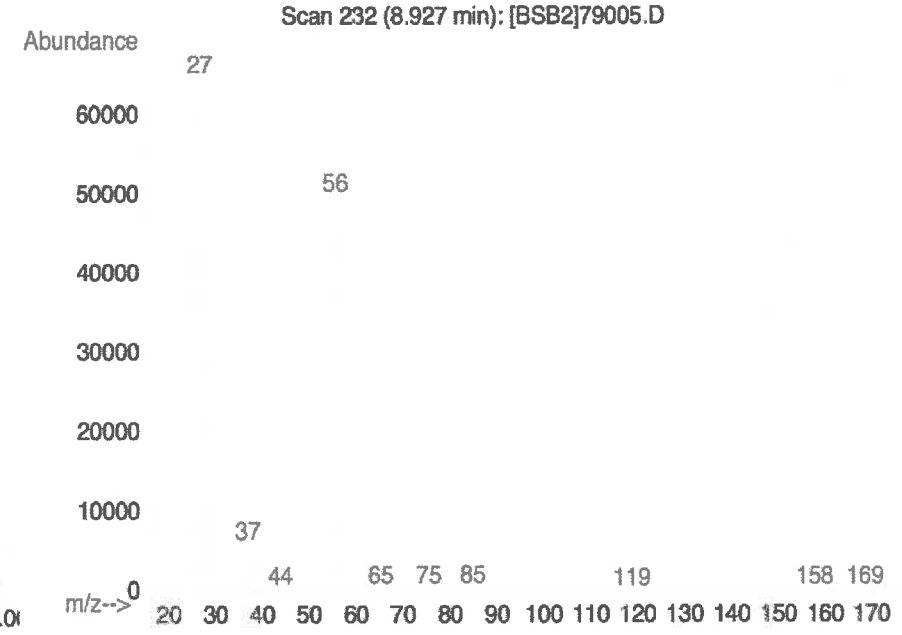
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

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.

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CERTIFIED WEIGHT REPORT

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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

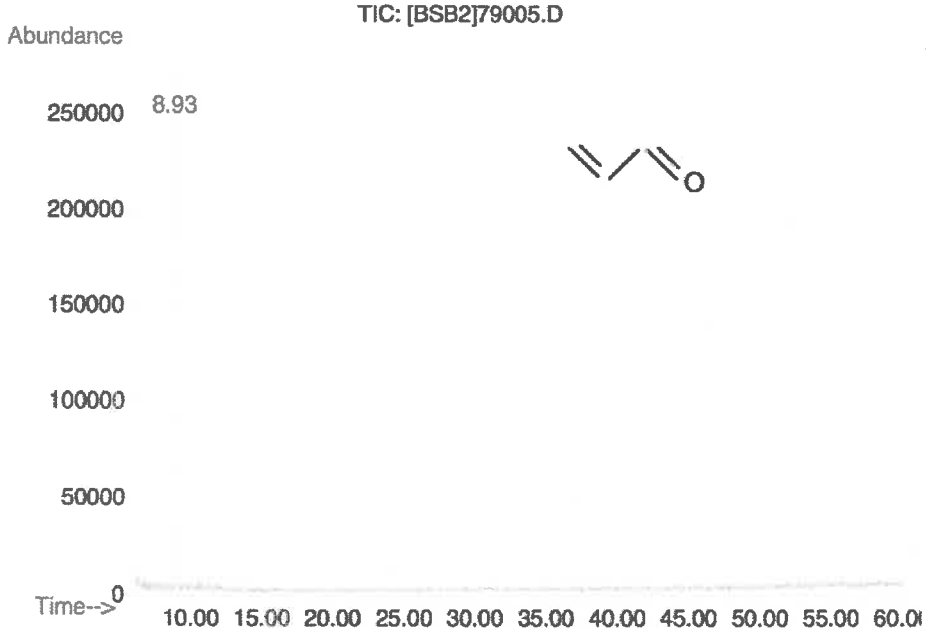
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

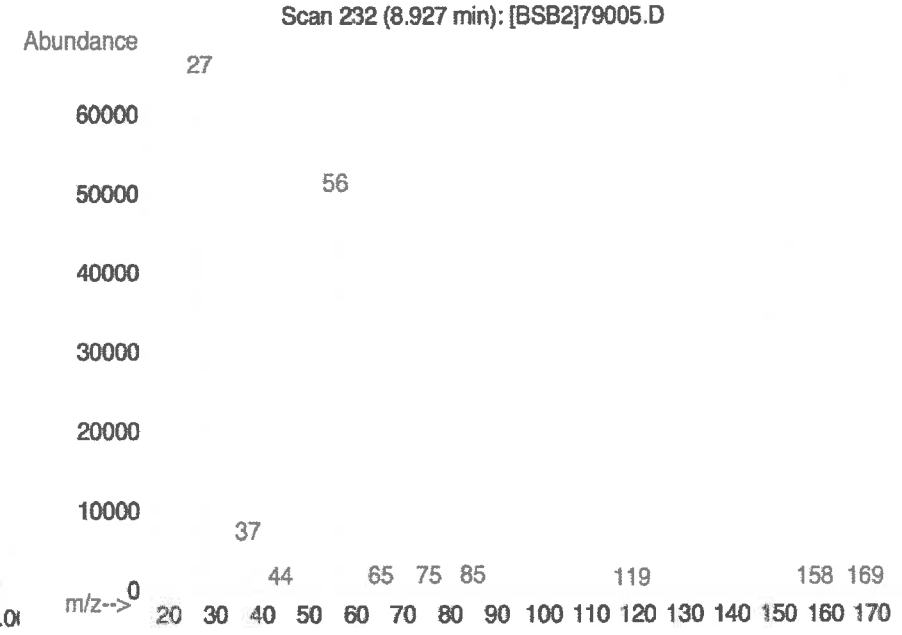
Formulated By: Lawrence Barry 100724 DATE

Reviewed By: Pedro L. Rentas 100724 DATE

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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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.

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Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

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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
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Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

ANAB ISO 17034 Accredit
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

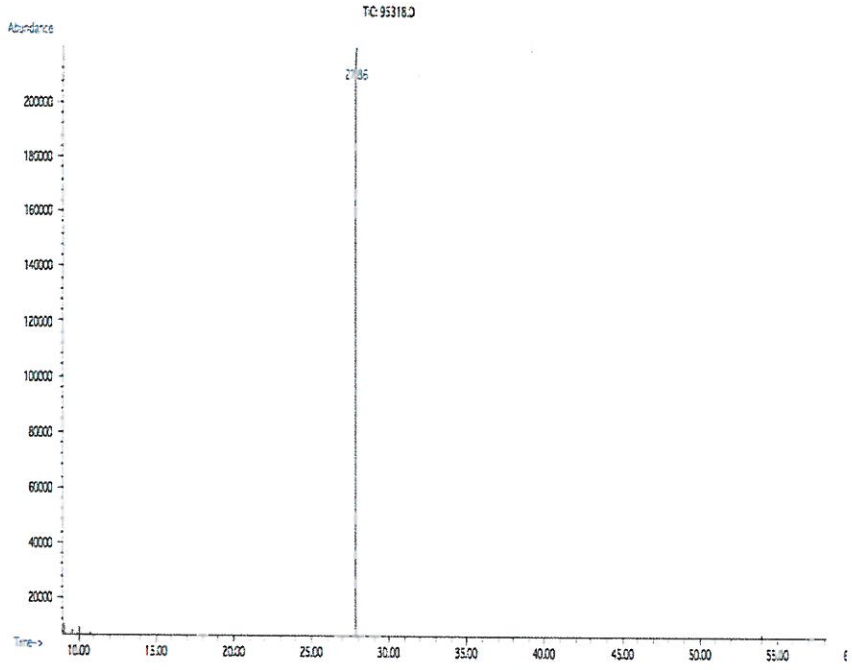
Solvent(s):	Lot#
Methanol	EA899-US

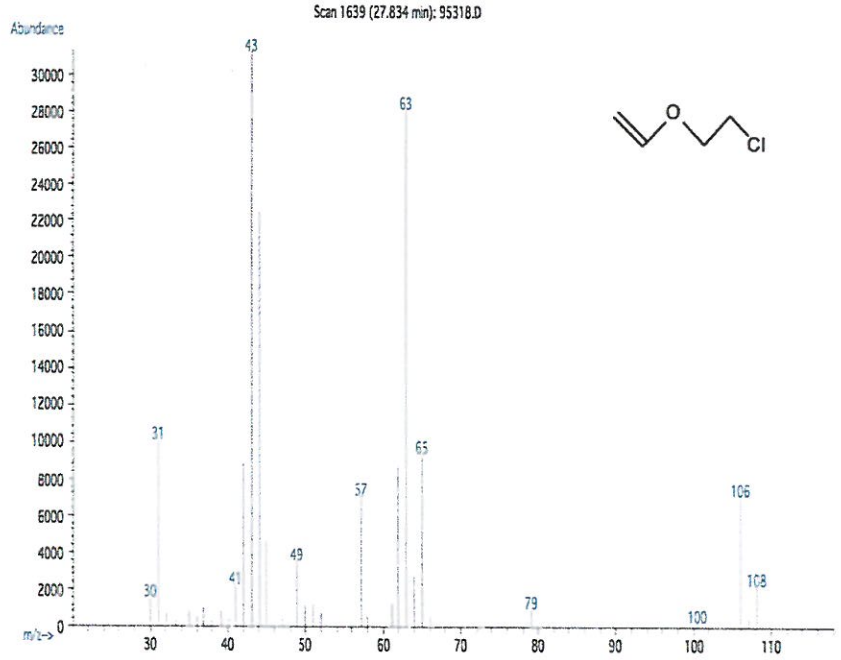
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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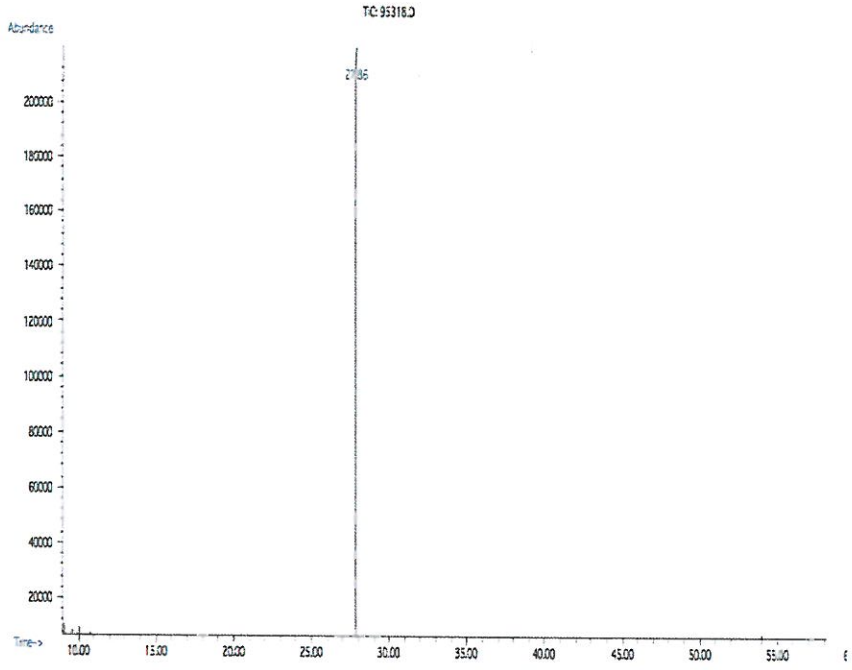
Solvent(s):	Lot#
Methanol	EA899-US

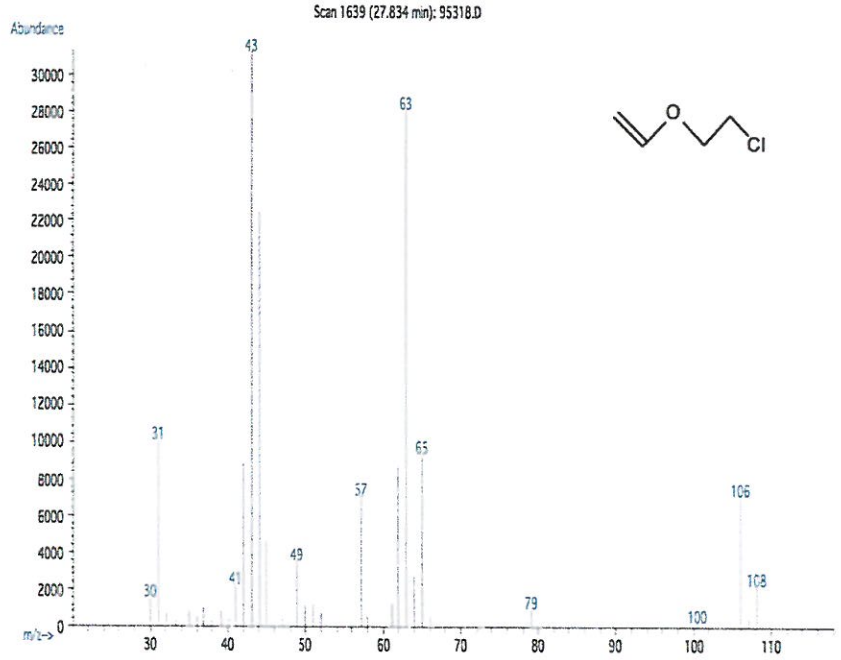
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Reviewed By:	Pedro L. Rentas	121321 DATE

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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

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)		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)

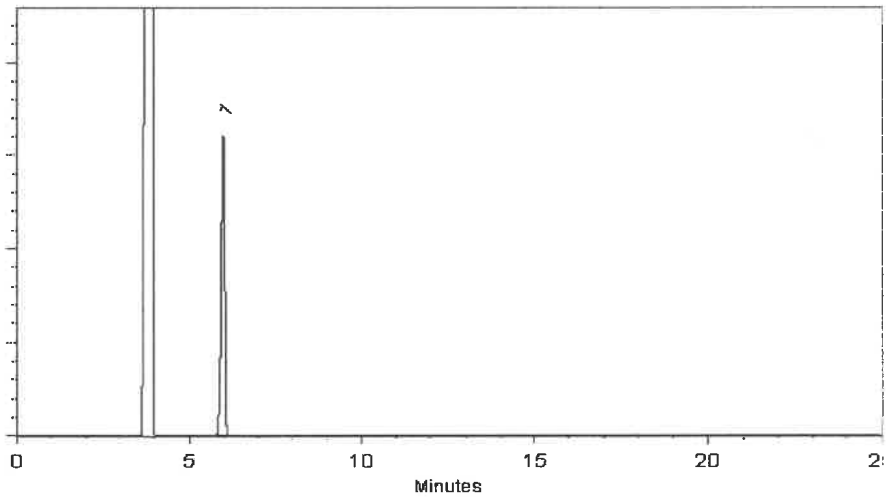
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

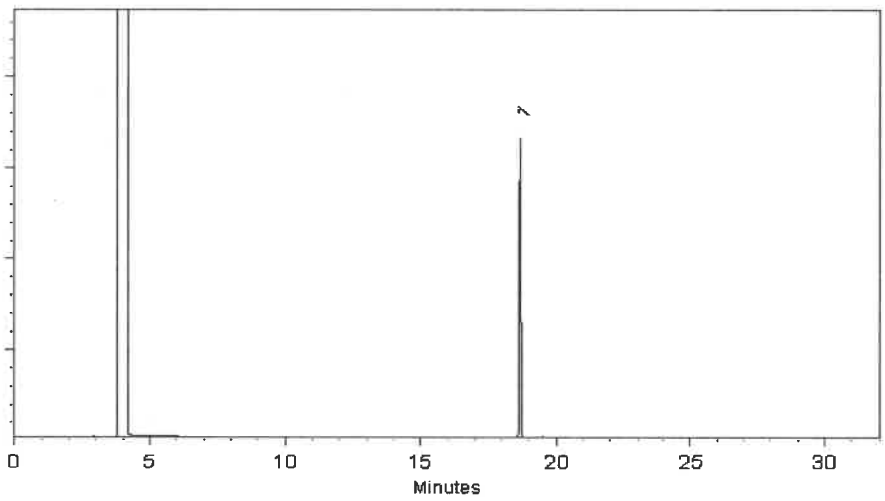
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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.)

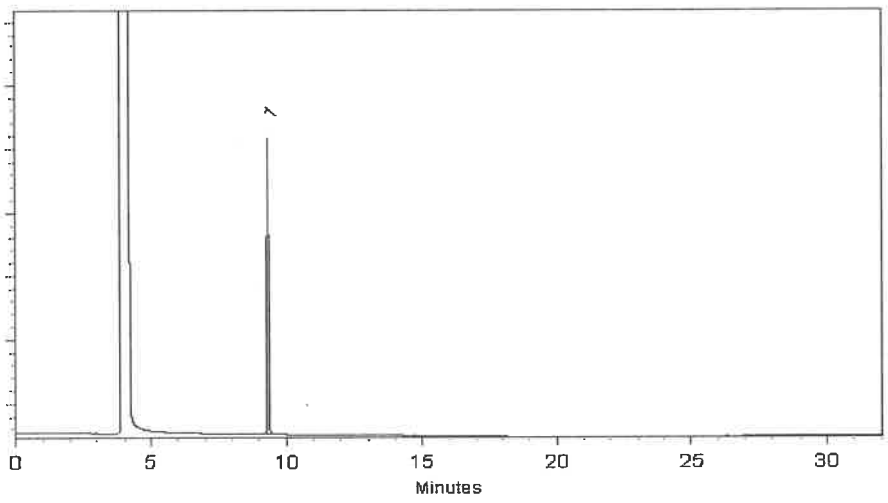
Inj. Temp:
200°C

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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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

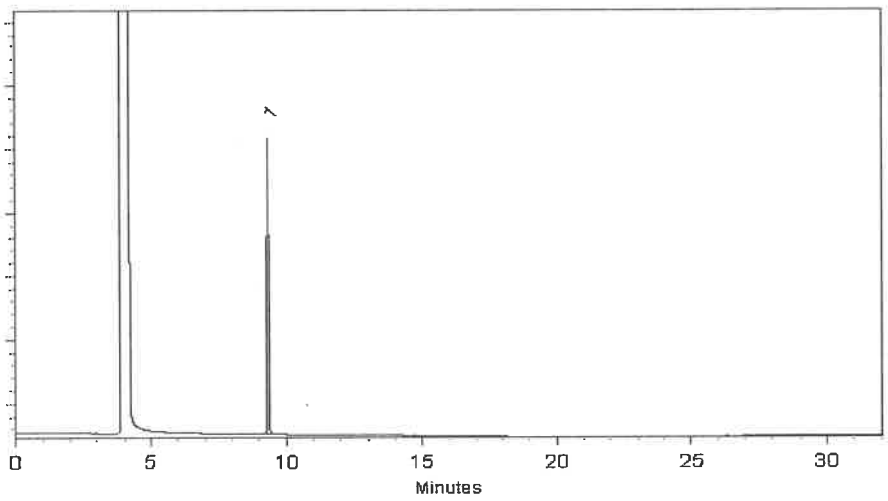
Inj. Temp:
200°C

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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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

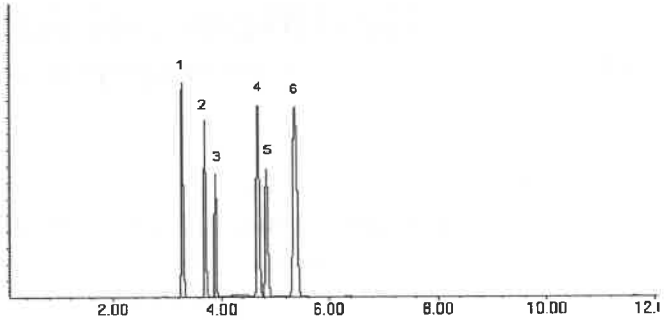
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

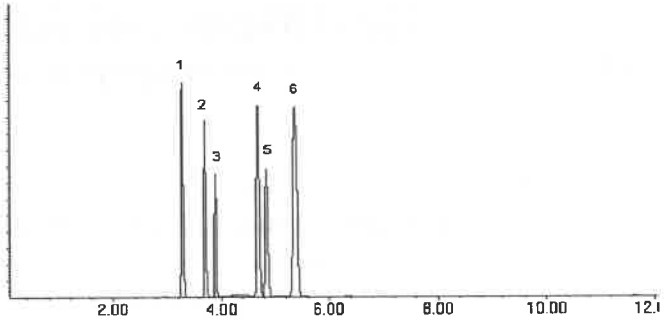
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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. : 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.
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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.)

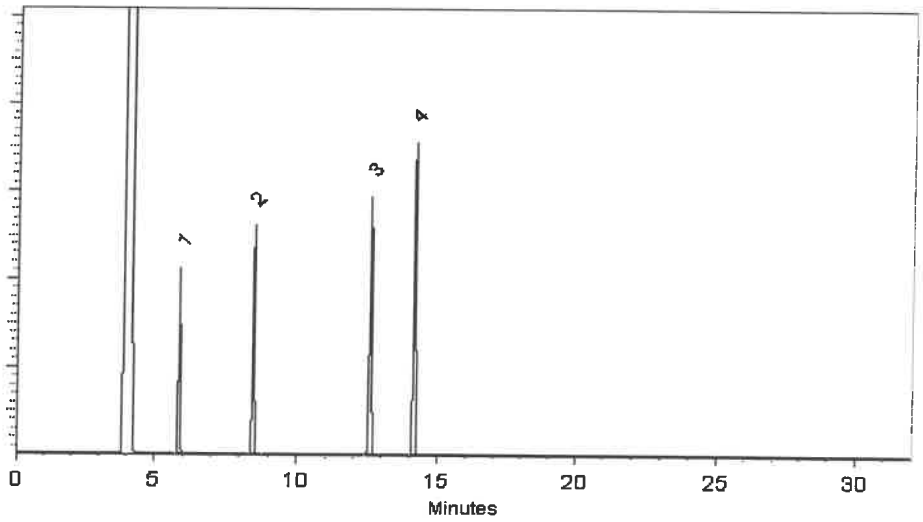
Inj. Temp:
200°C

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.)

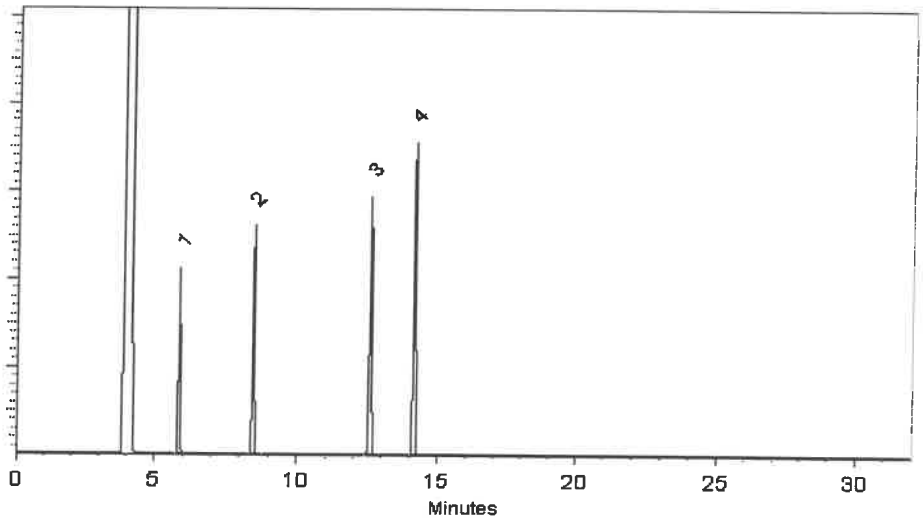
Inj. Temp:
200°C

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.)

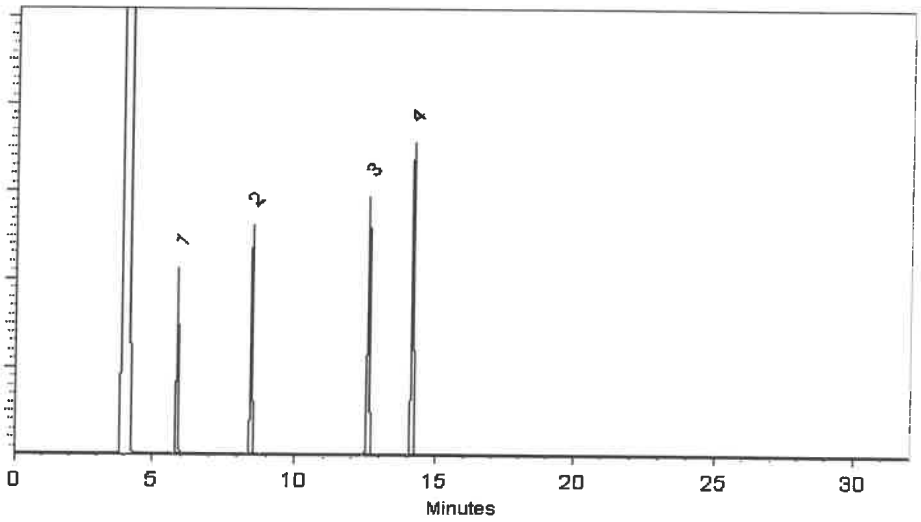
Inj. Temp:
200°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

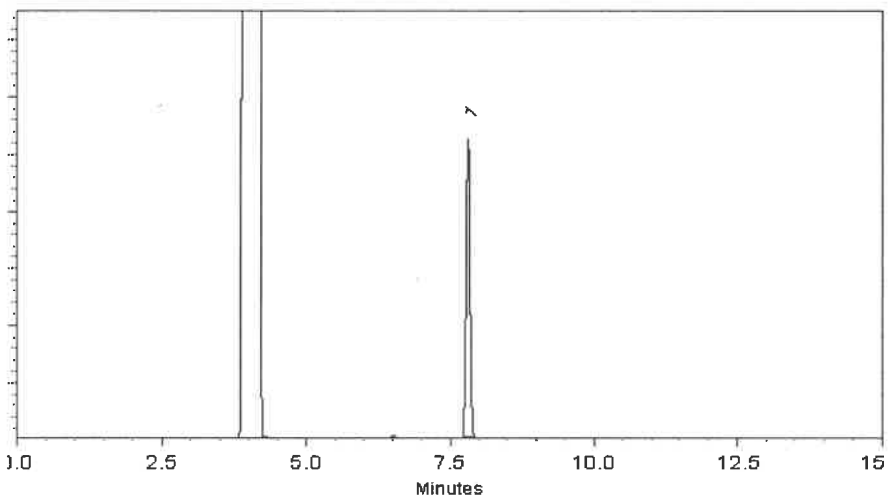
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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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. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

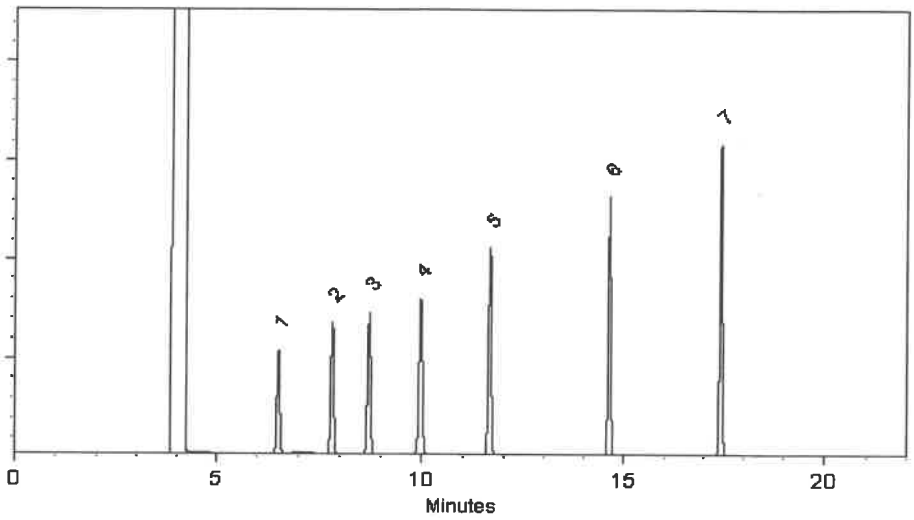
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.)

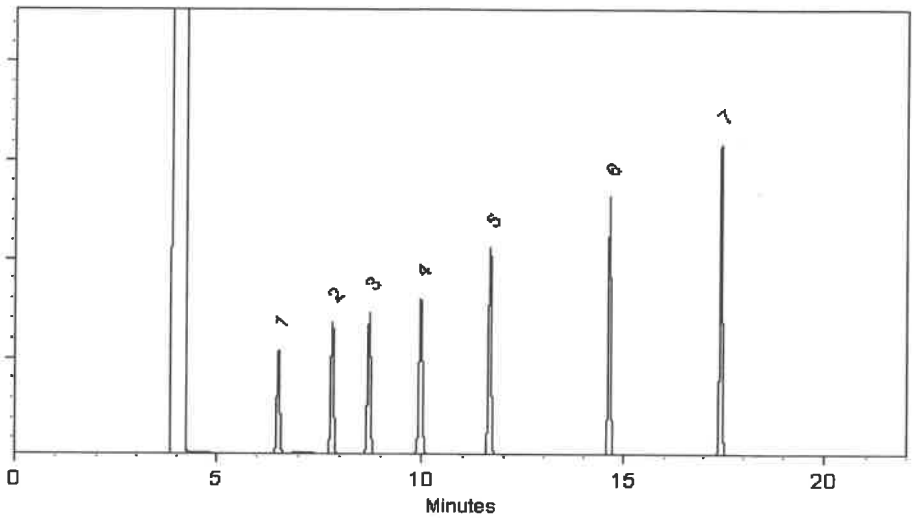
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
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For Purge and Trap Analysis

avantor™ | J.T.Baker®

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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: P4475

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-190	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ 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)									

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-20241018	QA		X	10/18/24	8:00	2		2									Trip Blank
2.	BP-VPB-190-DUP-20241018	QA		X	10/18/24	0:00	2		2									Field Duplicate
3.	BP-VPB-190-GW-223-225	AQ		X	10/18/24	11:35	2		2									
4.	BP-VPB-190-GW-238-240	AQ		X	10/18/24	13:55	3		2	1								
5.	BP-VPB-190-GW-258-260	AQ		X	10/21/24	10:55	2		2									
6.	BP-VPB-190-GW-278-280	AQ		X	10/21/24	12:55	3		2	1								
7.																		
8.																		
9.																		
10.																		

PRESERVATIVES: <-- Specify Preservatives — A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Jake Medow	10-21-24/1530	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	1818 10-21-2024	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☒ Cooler Temp 3.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☒ Ice in Cooler?: Yes

Comments: 48hr TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☒ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4475 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 10/22/2024 10:05:00 AM
Project Name : CTO WE13
Receive DateTime : ~~10/22/2024~~ 6:18:00 PM
Purchase Order : 10/21/2024

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4475-01	BP-VPB-190-TB-20241018	Water	10/18/2024	08:00					
					VOCMS Group1		8260-Low		2 Bus. Days
P4475-02	BP-VPB-190-DUP-20241018	Water	10/18/2024	00:00					
					VOCMS Group1		8260-Low		2 Bus. Days
P4475-03	BP-VPB-190-GW-223-225	Water	10/18/2024	11:35					
					VOCMS Group1		8260-Low		2 Bus. Days
P4475-04	BP-VPB-190-GW-238-240	Water	10/18/2024	13:55					
					VOCMS Group1		8260-Low		2 Bus. Days
P4475-05	BP-VPB-190-GW-258-260	Water	10/21/2024	10:55					
					VOCMS Group1		8260-Low		2 Bus. Days
P4475-06	BP-VPB-190-GW-278-280	Water	10/21/2024	12:55					
					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

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Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
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Project Name : CTO WE13
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Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CP
Date / Time : 10-22-24 1110

Received By : Sony
Date / Time : 10/22/24 11:10
Storage Area : VOA Refridgerator Room

R8 4

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

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

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	160270	92.581	ug/l		97
42) 1,2-Dichloroethane	8.671	62	311563	94.900	ug/l		100
43) Isopropyl Acetate	8.688	43	521814	83.581	ug/l		100
44) Trichloroethene	9.347	130	216678	95.798	ug/l		97
45) 1,2-Dichloropropane	9.618	63	224724	98.095	ug/l		97
46) Dibromomethane	9.706	93	154739	100.091	ug/l		99
47) Bromodichloromethane	9.888	83	338406	98.526	ug/l		99
48) Methyl methacrylate	9.677	41	244061	98.163	ug/l		99
49) 1,4-Dioxane	9.694	88	82854	1810.110	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	1456154	479.699	ug/l		100
52) Toluene	10.629	92	586544	99.324	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	365099	104.280	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	384030	101.975	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	205711	97.170	ug/l		97
56) Ethyl methacrylate	10.871	69	360916	103.608	ug/l		99
57) 1,3-Dichloropropane	11.165	76	360601	95.326	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	870416	538.640	ug/l		99
59) 2-Hexanone	11.194	43	1105736	487.363	ug/l		99
60) Dibromochloromethane	11.359	129	249435	99.721	ug/l		98
61) 1,2-Dibromoethane	11.465	107	212705	96.694	ug/l		100
64) Tetrachloroethene	11.100	164	186069	92.608	ug/l		99
65) Chlorobenzene	11.888	112	616423	96.376	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	212695	96.546	ug/l		99
67) Ethyl Benzene	11.959	91	1146786	101.385	ug/l		98
68) m/p-Xylenes	12.071	106	855381	204.437	ug/l		100
69) o-Xylene	12.394	106	412098	104.101	ug/l		99
70) Styrene	12.412	104	711855	106.165	ug/l		99
71) Bromoform	12.576	173	162862	100.412	ug/l	#	97
73) Isopropylbenzene	12.694	105	1067798	97.936	ug/l		100
74) N-amyl acetate	12.494	43	467641	94.716	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	286161	87.285	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	399963	140.449	ug/l		64
77) Bromobenzene	12.982	156	243075	92.425	ug/l		100
78) n-propylbenzene	13.035	91	1285399	101.754	ug/l		99
79) 2-Chlorotoluene	13.123	91	770341	95.567	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	905999	101.869	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	116289	95.579	ug/l		98
82) 4-Chlorotoluene	13.218	91	790045	97.362	ug/l		100
83) tert-Butylbenzene	13.435	119	785331	99.349	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	913037	101.908	ug/l		99
85) sec-Butylbenzene	13.612	105	1082055	102.580	ug/l		100
86) p-Isopropyltoluene	13.729	119	918730	105.328	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	463998	94.046	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	465087	93.346	ug/l		99
89) n-Butylbenzene	14.053	91	832034	105.197	ug/l		99
90) Hexachloroethane	14.329	117	168712	95.289	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	444319	91.843	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	59837	88.446	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	245477	103.017	ug/l		99
94) Hexachlorobutadiene	15.500	225	105801	89.034	ug/l		98
95) Naphthalene	15.635	128	784876	99.356	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	233126	97.736	ug/l		99

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

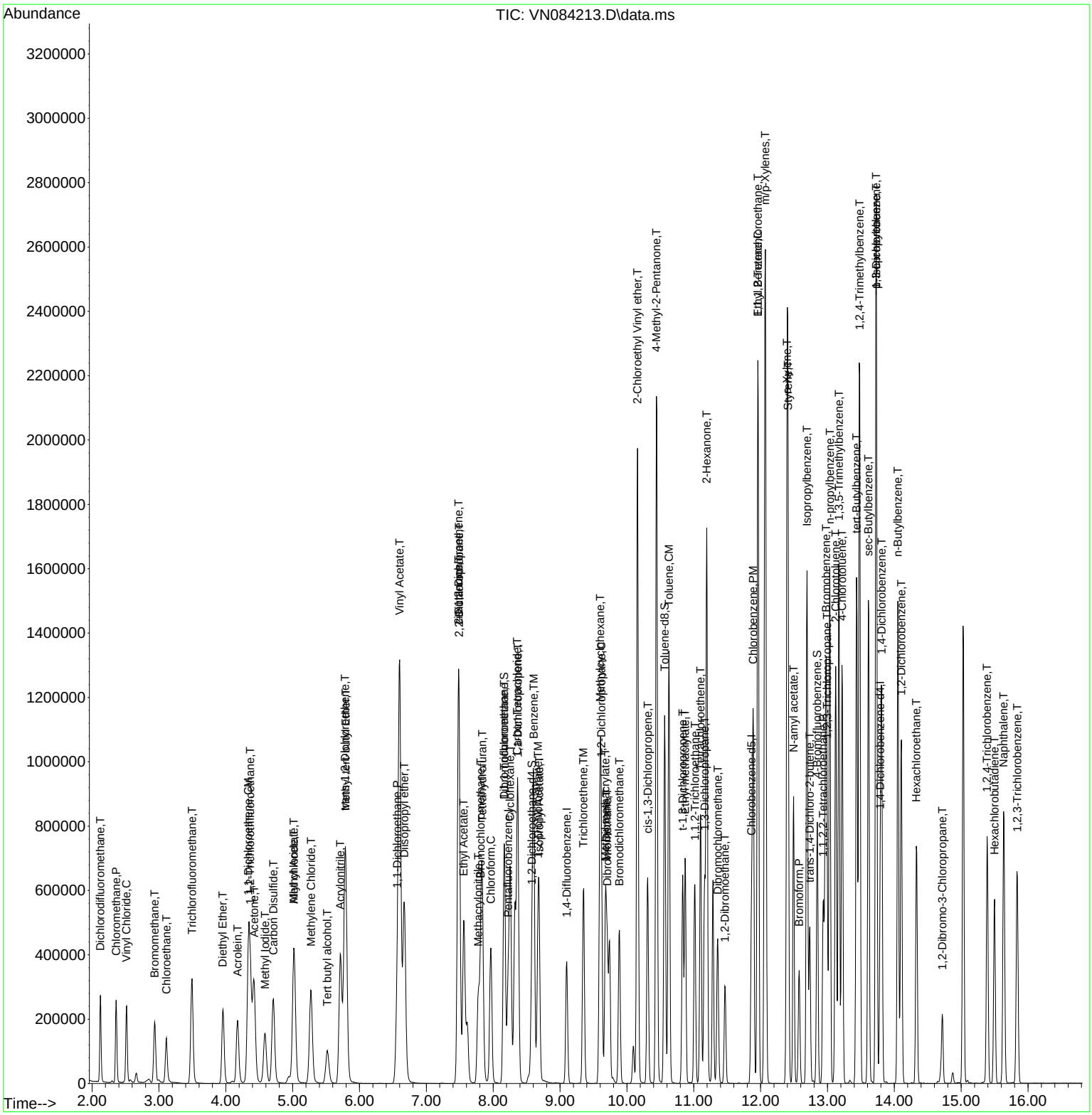
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

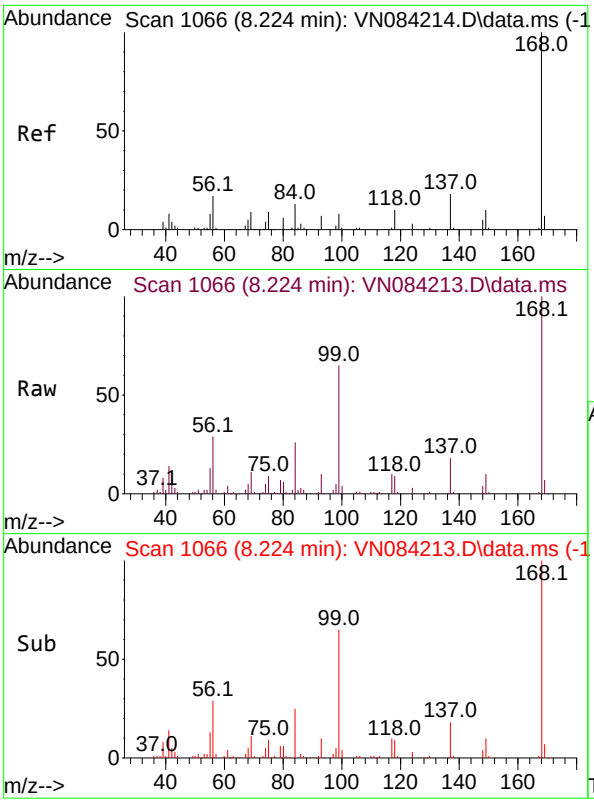
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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



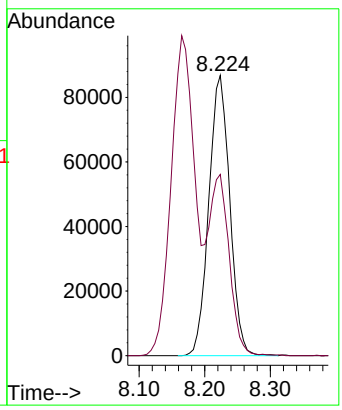


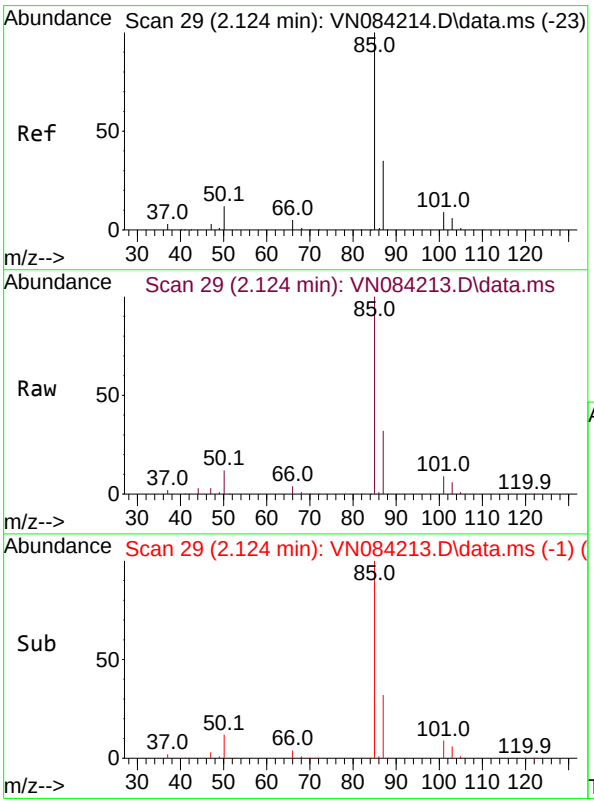
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 192402

Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2

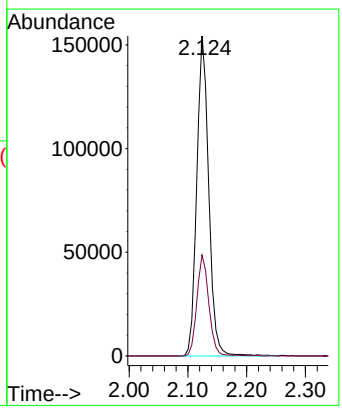


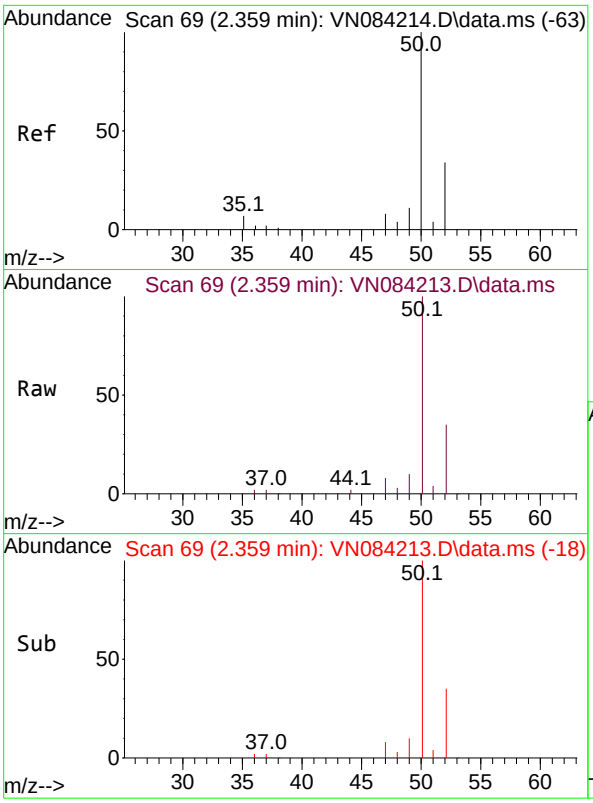


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9



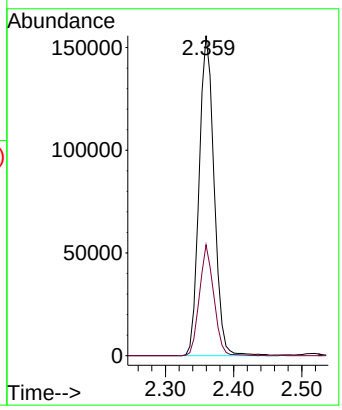


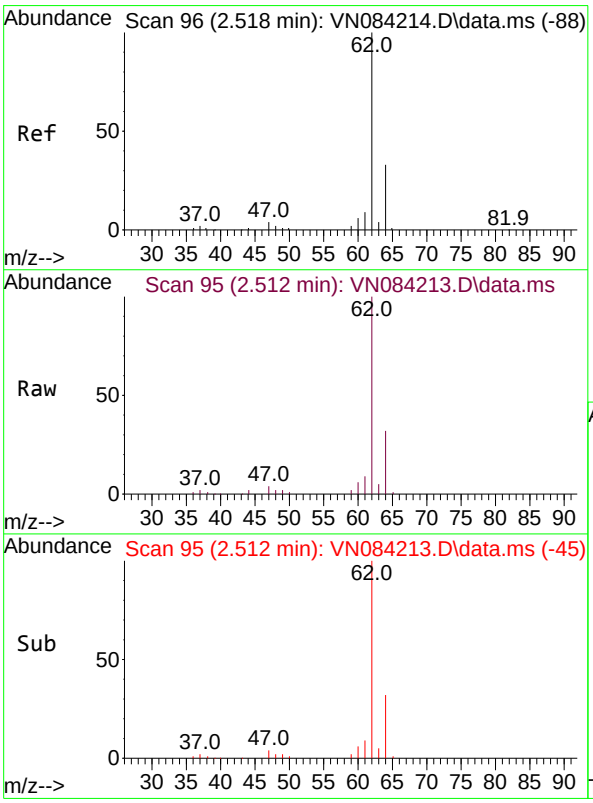
#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 238104

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2

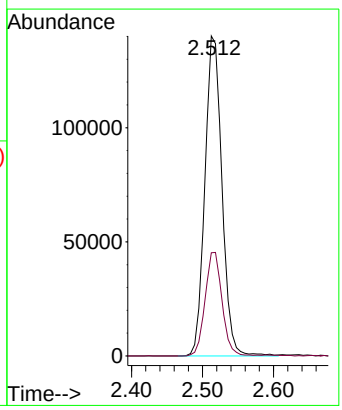


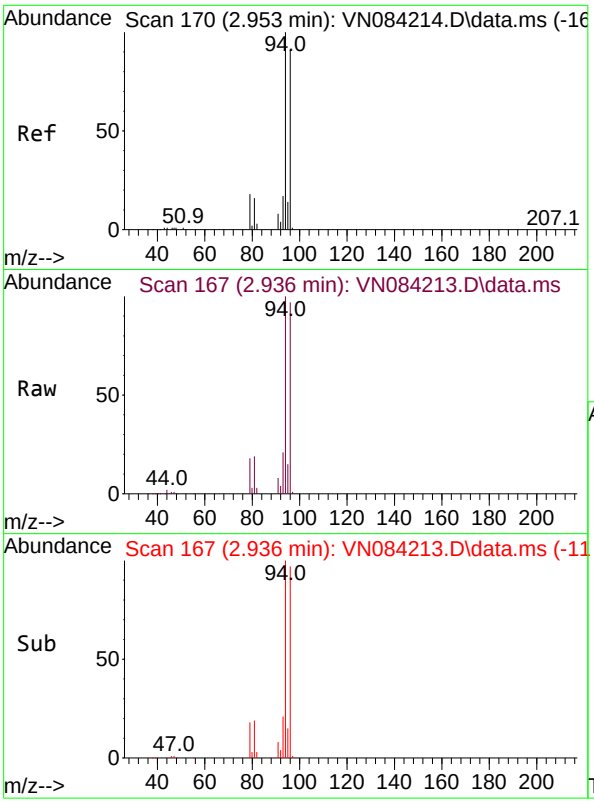


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4



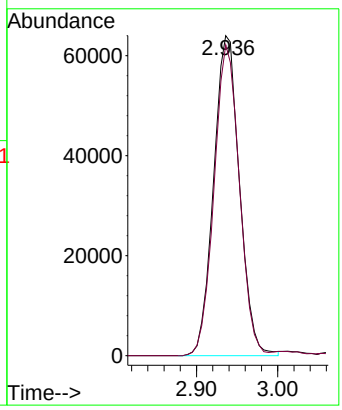


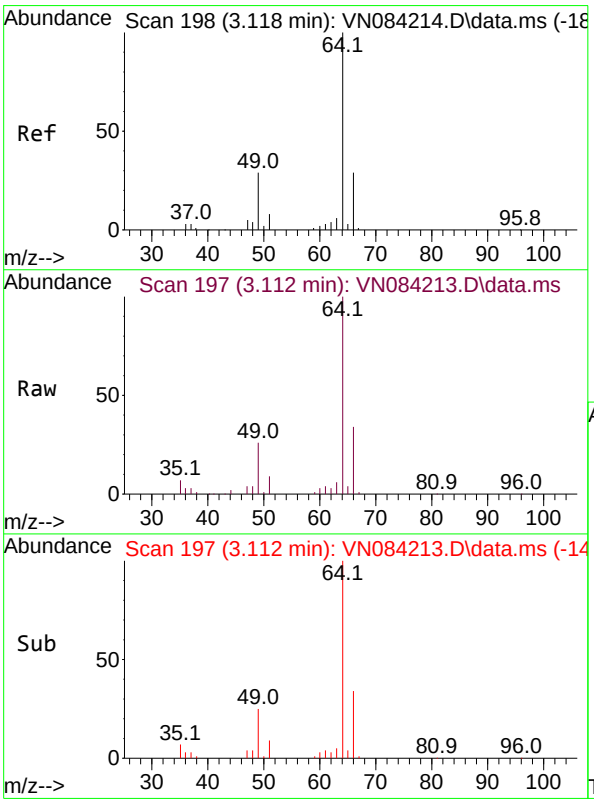
#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 141604

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3

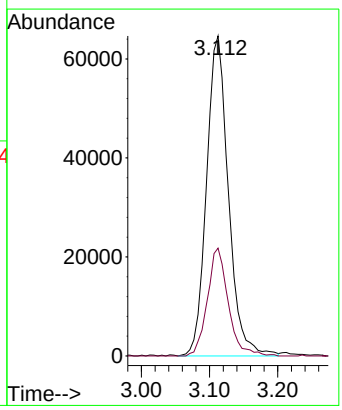


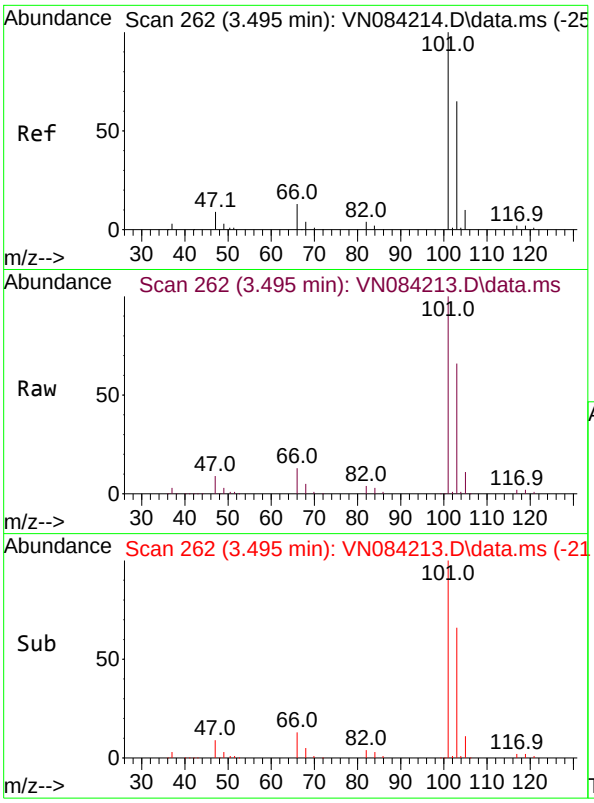


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3



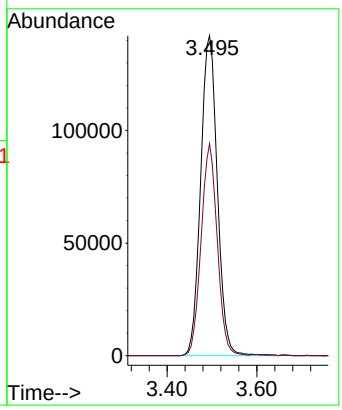


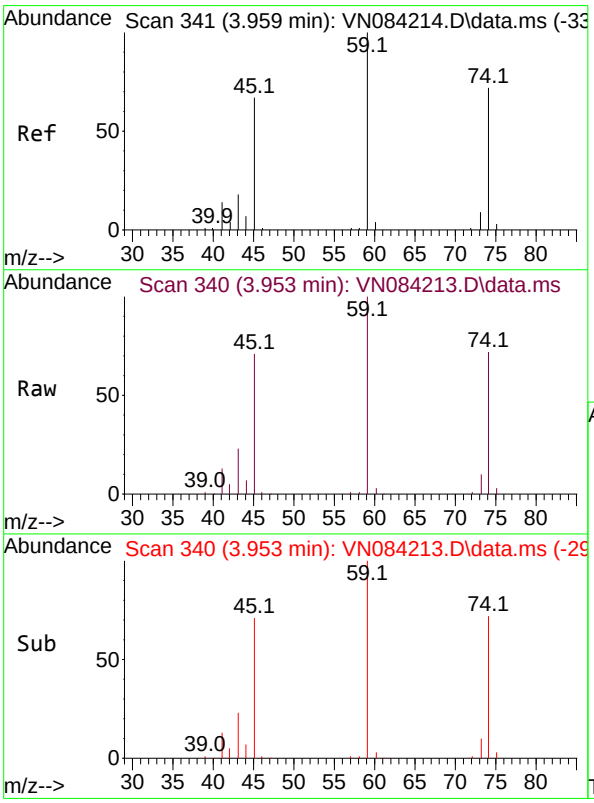
#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 366907

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

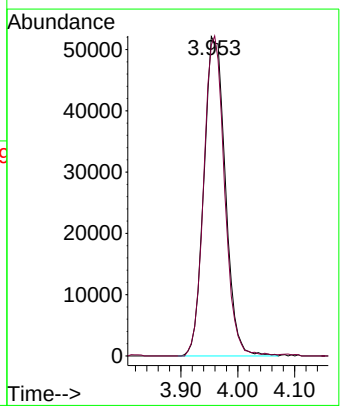


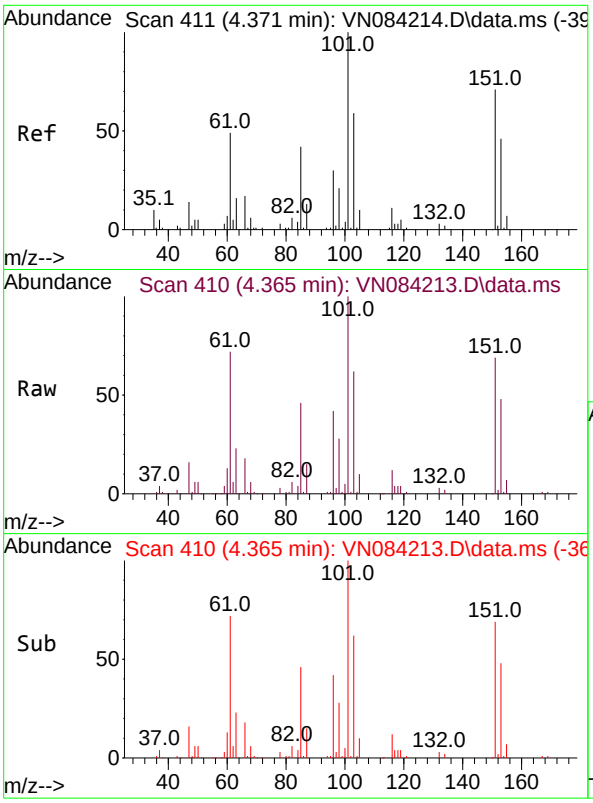


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1



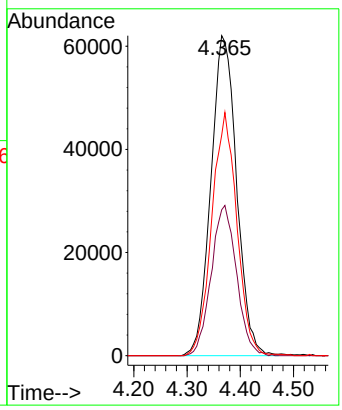


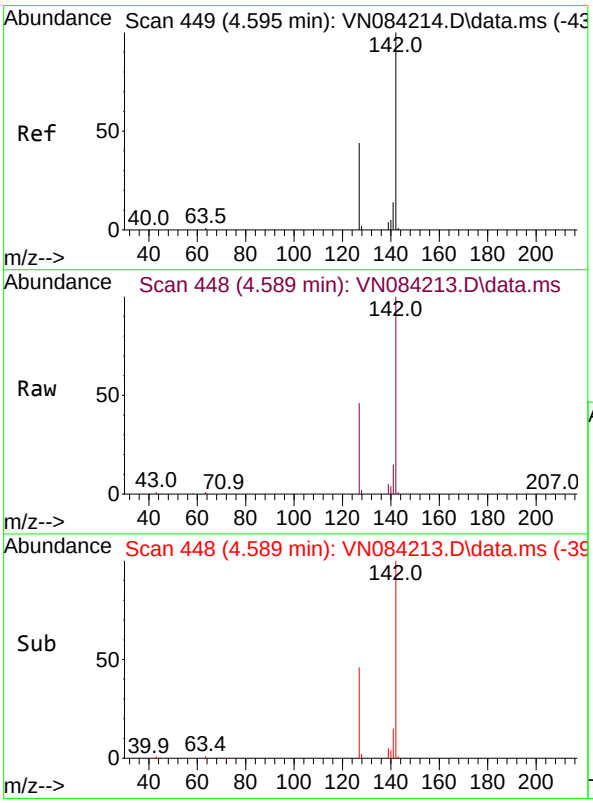
#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 208443

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

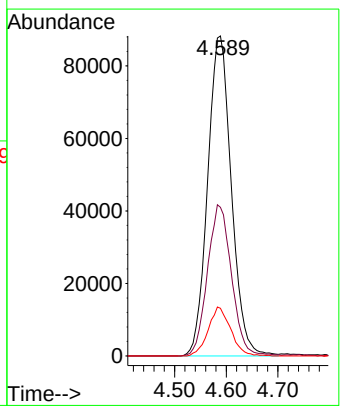


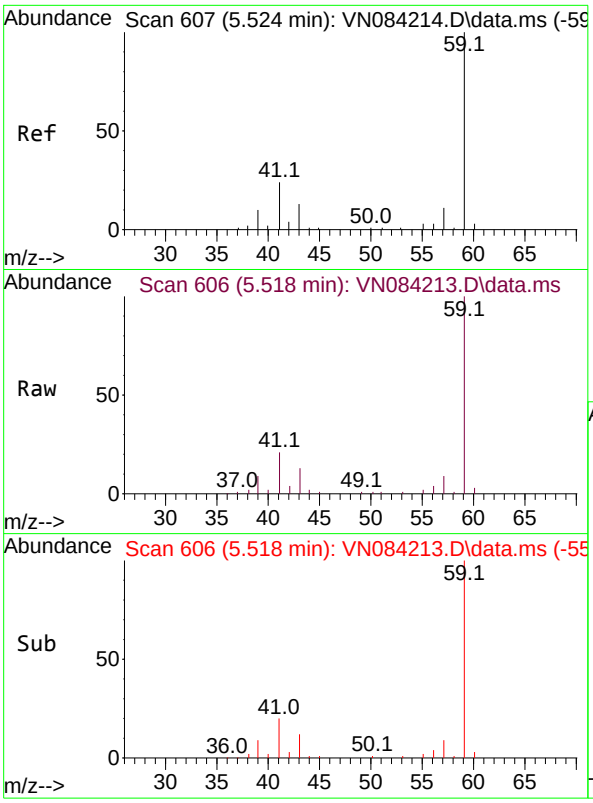


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:142 Resp: 281269

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



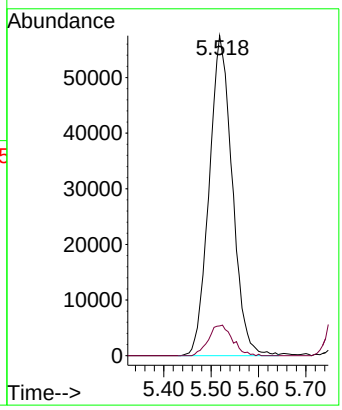


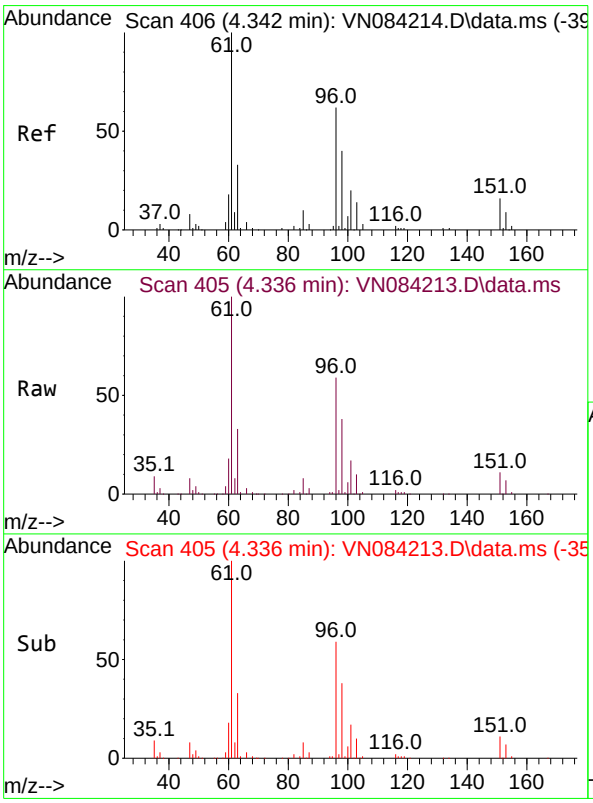
#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 194750

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

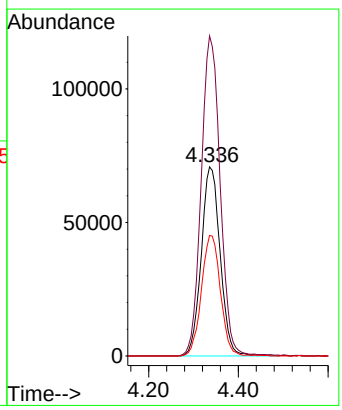


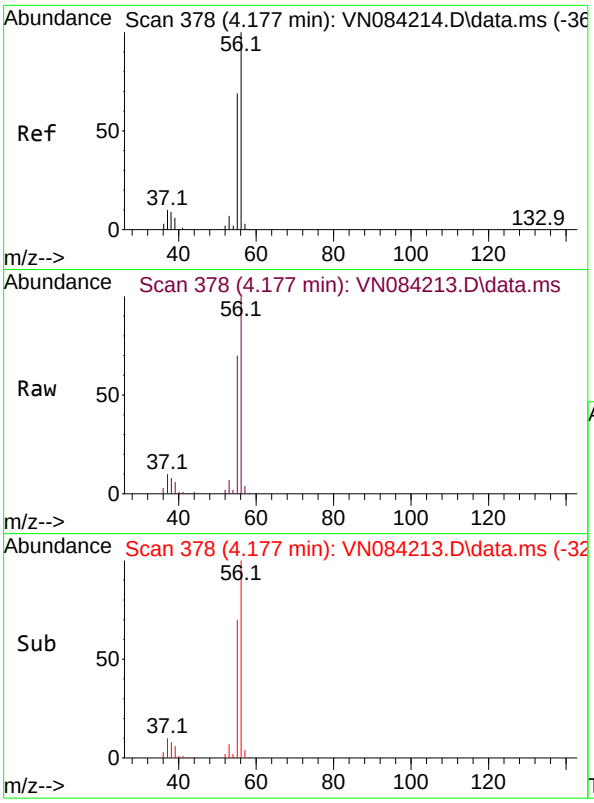


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 206863

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



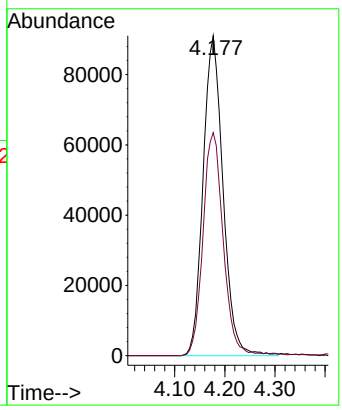


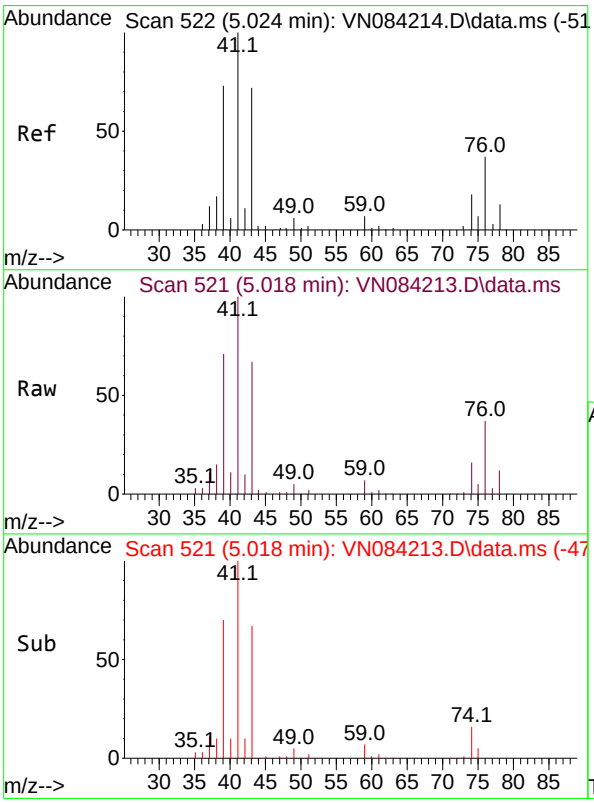
#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 251811

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

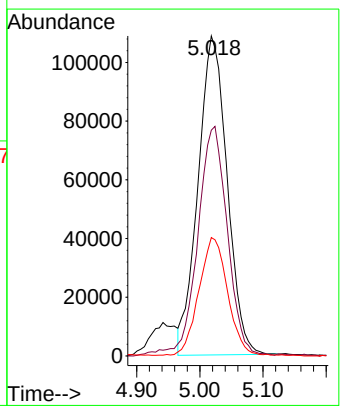


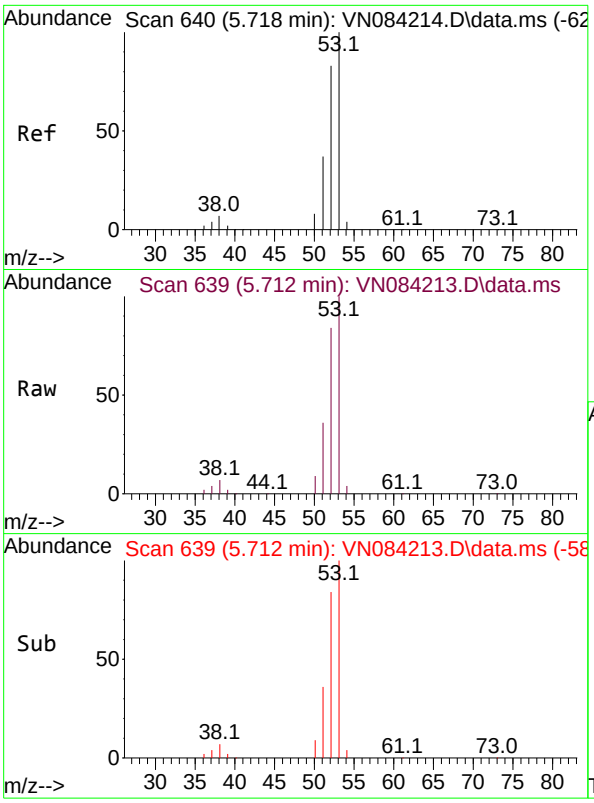


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 348108

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



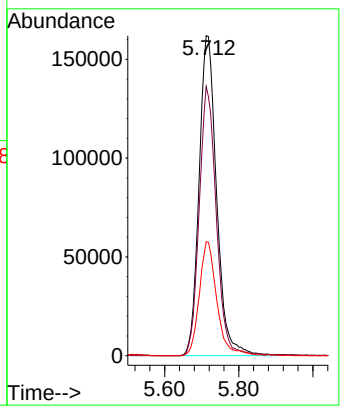


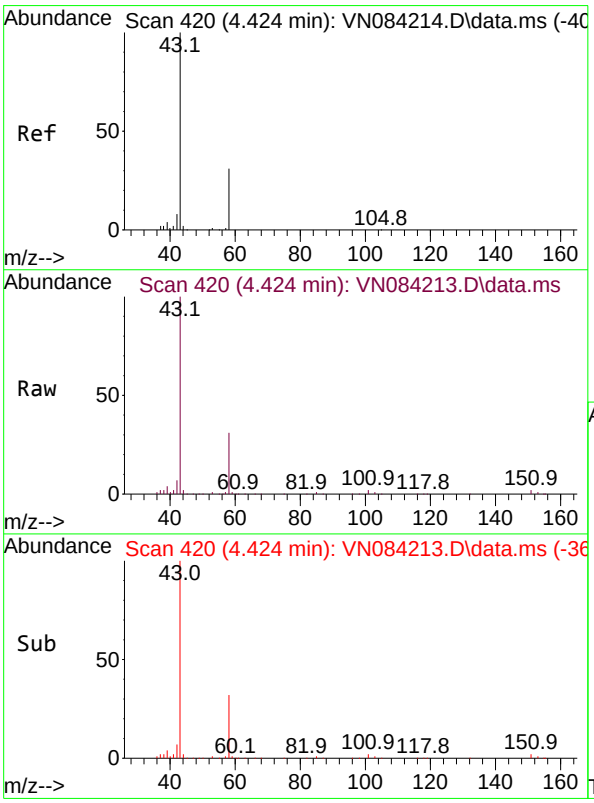
#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 533270

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

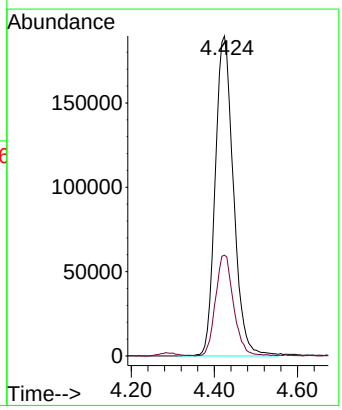


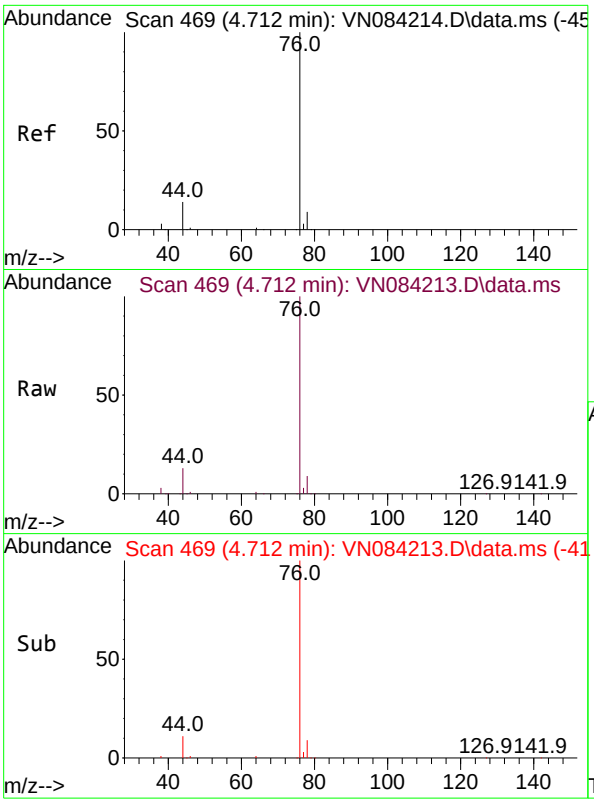


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6



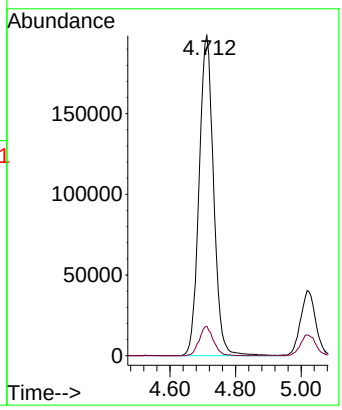


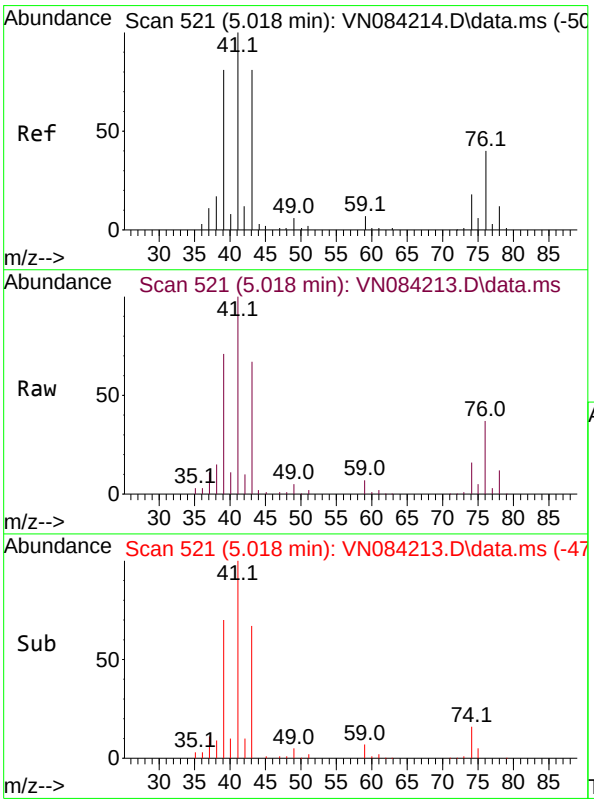
#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 611042

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

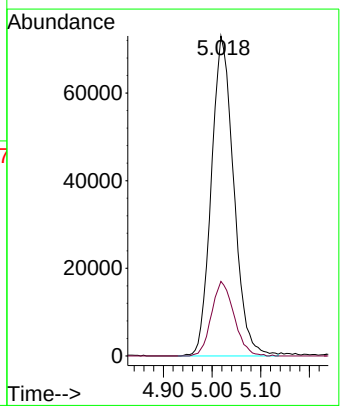


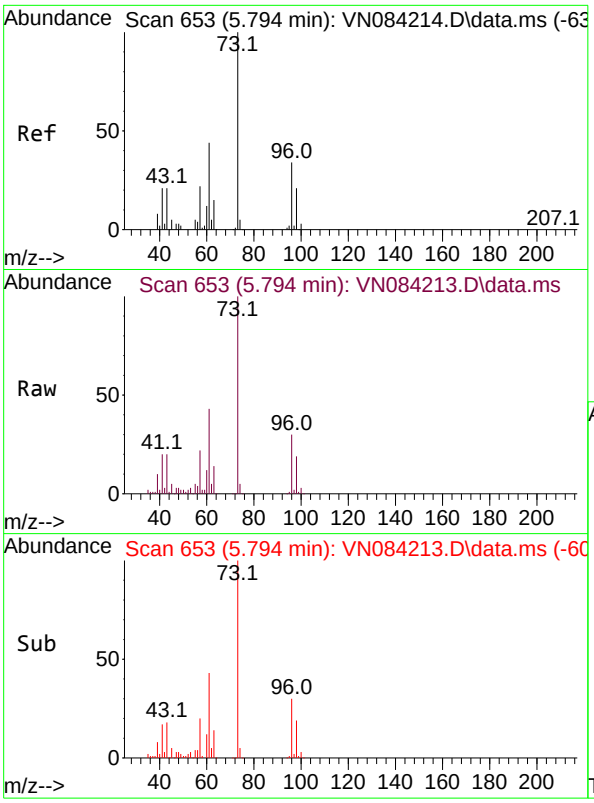


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8



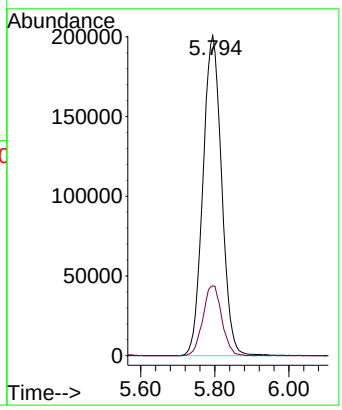


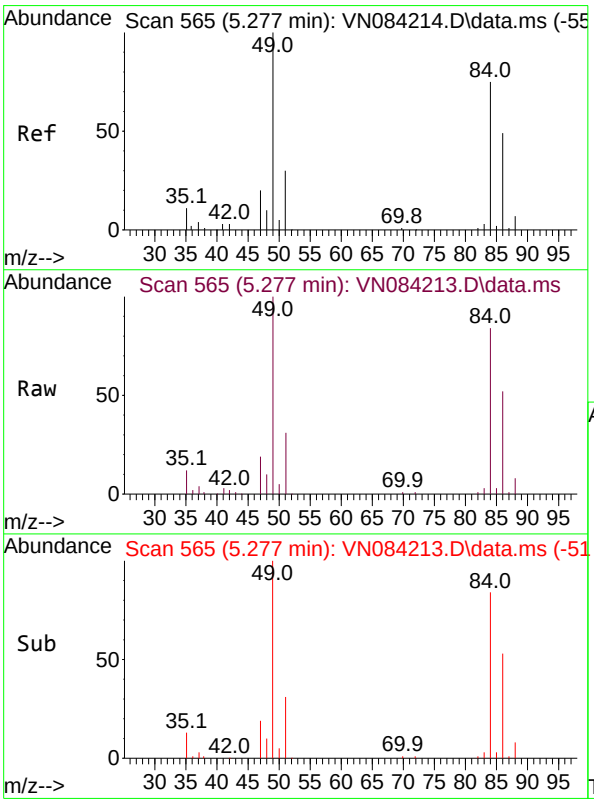
#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 702366

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

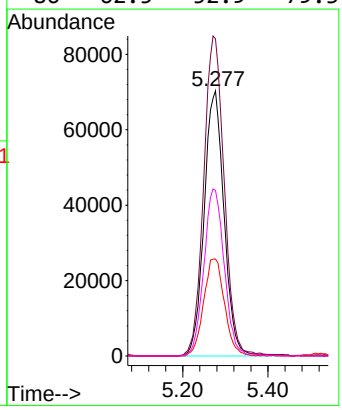


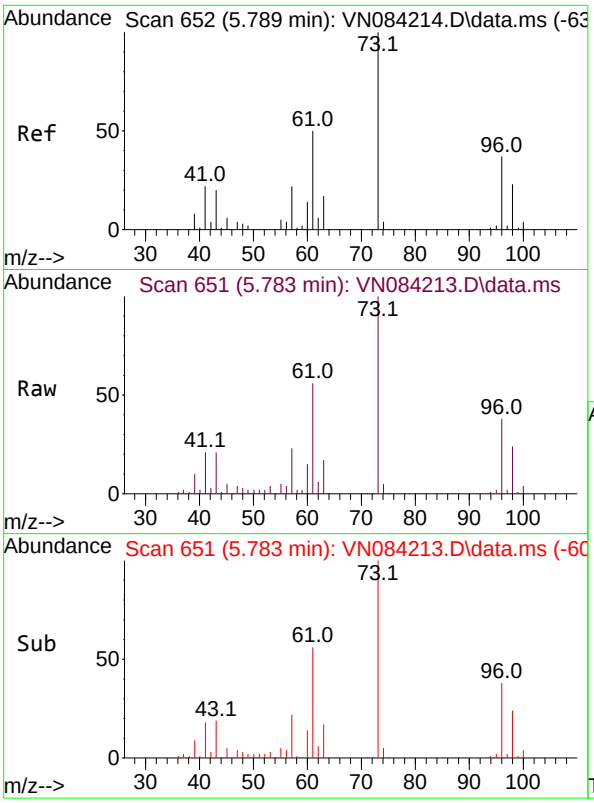


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 84 Resp: 228706

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



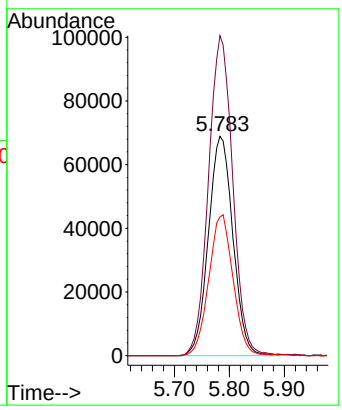


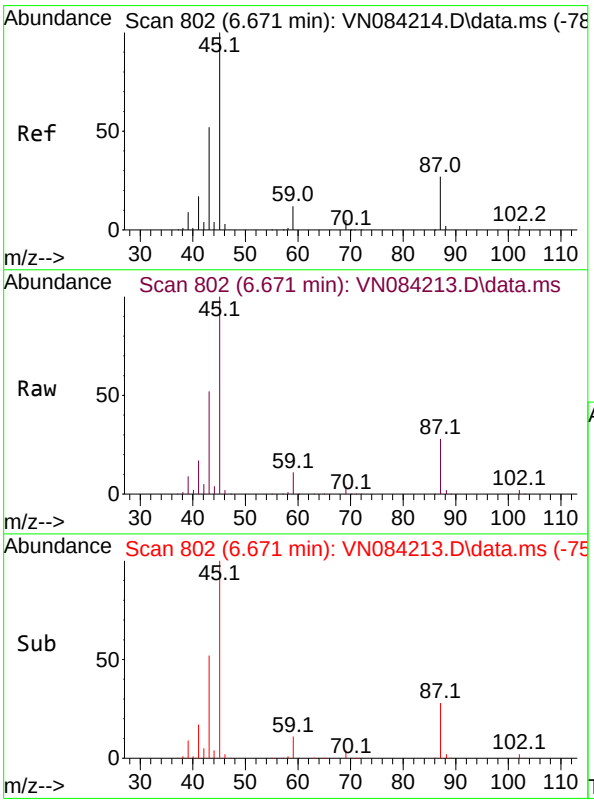
#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 213704

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

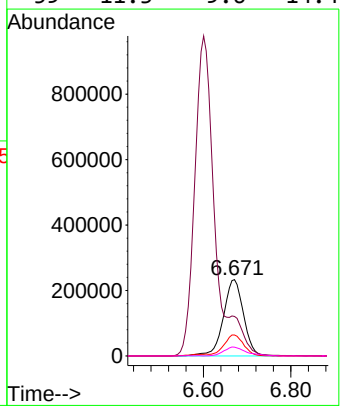


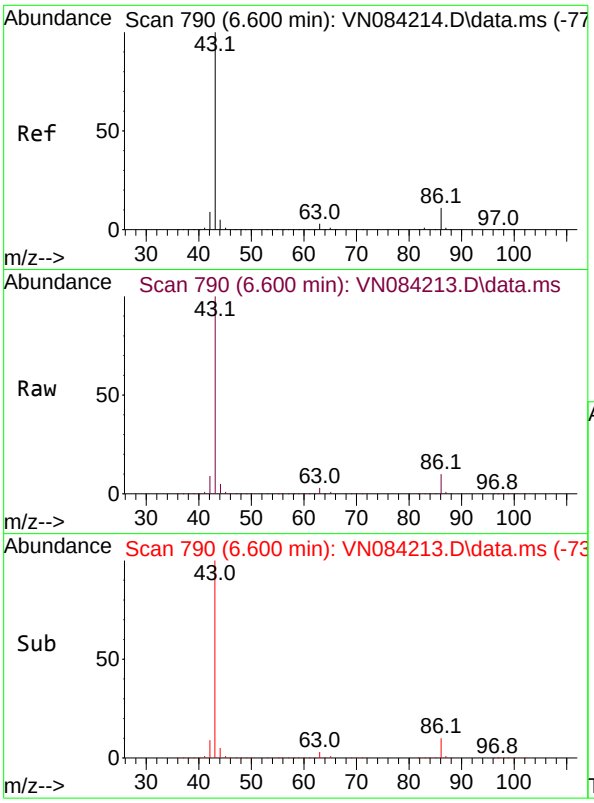


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 45 Resp: 745614

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



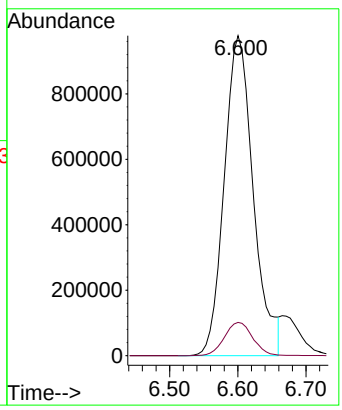


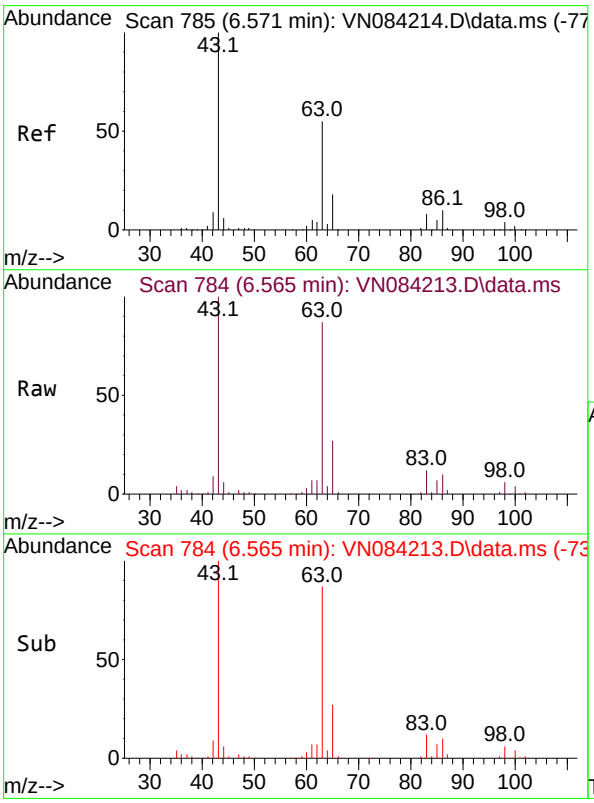
#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2895429

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

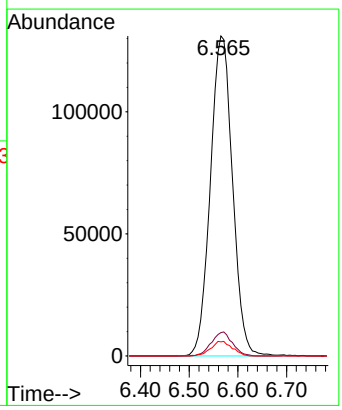


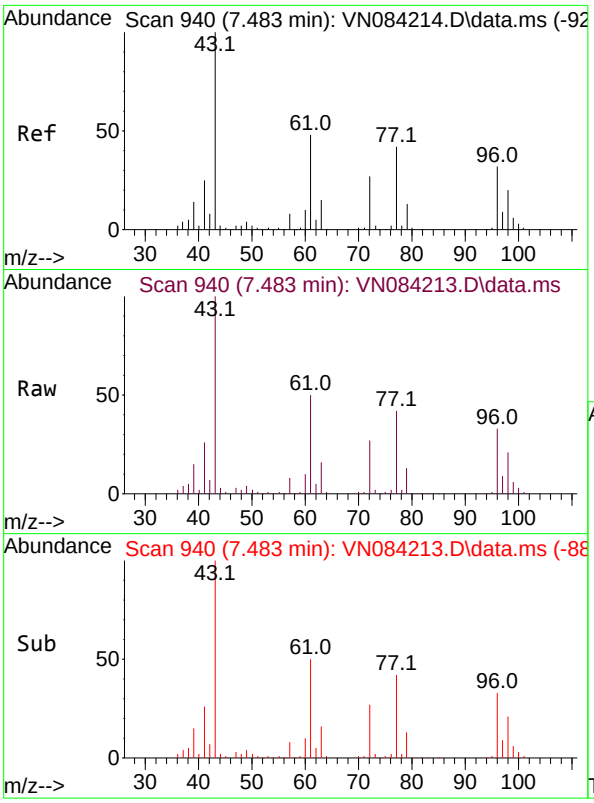


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 413523

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



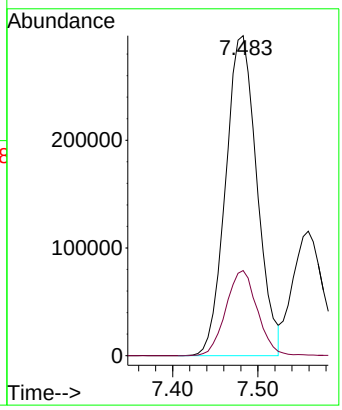


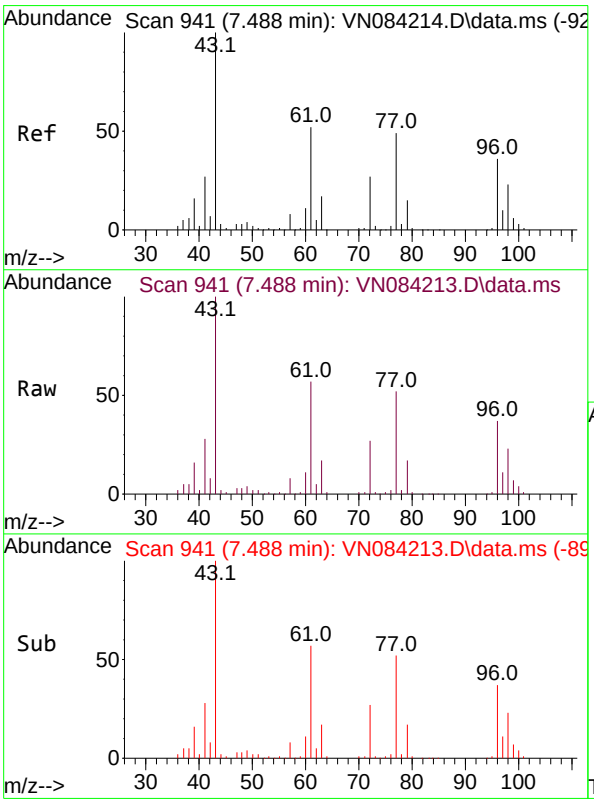
#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 759354

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2

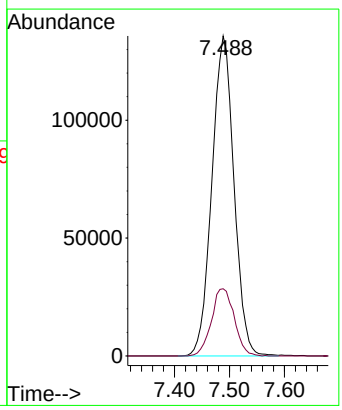


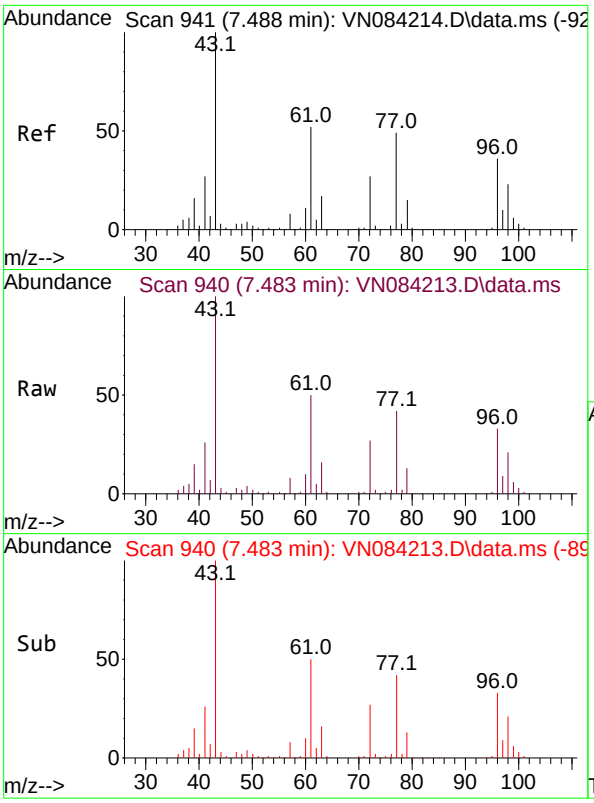


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



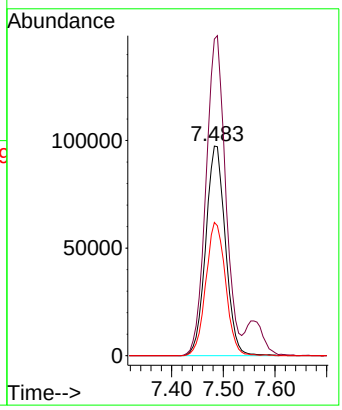


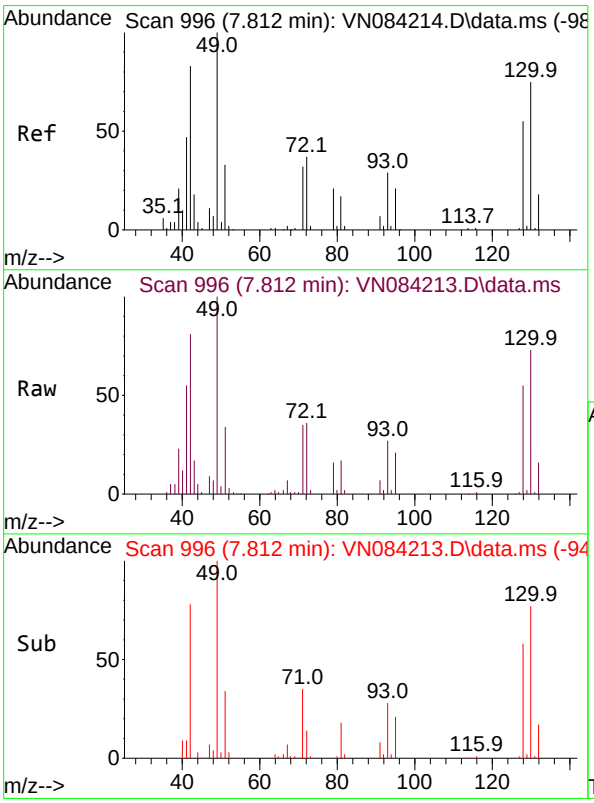
#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 257696

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

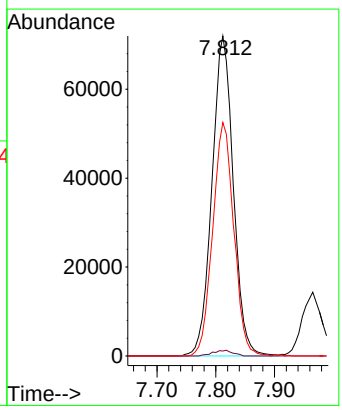


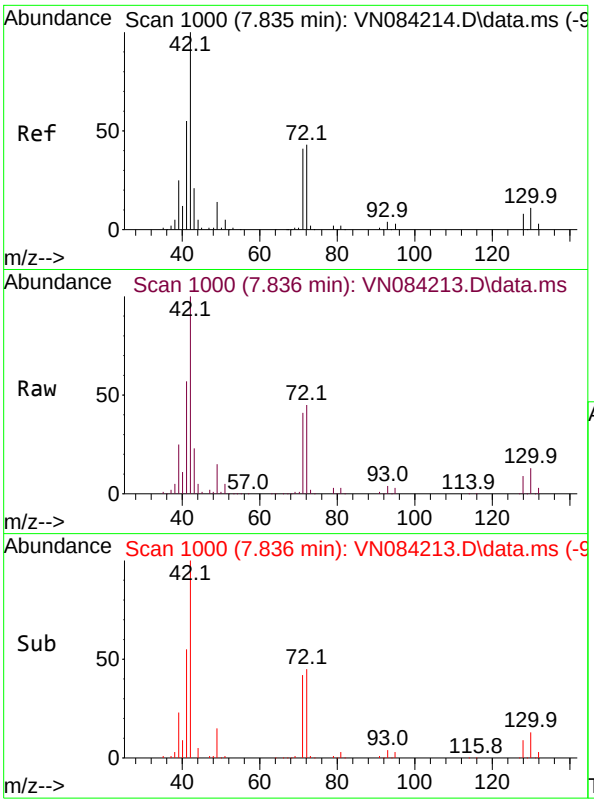


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 49 Resp: 181546

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



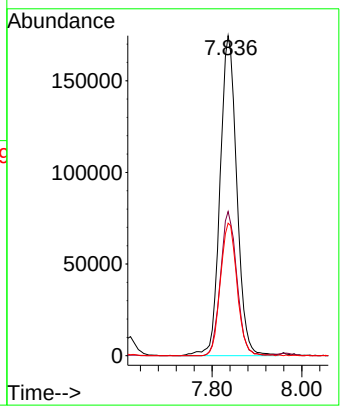


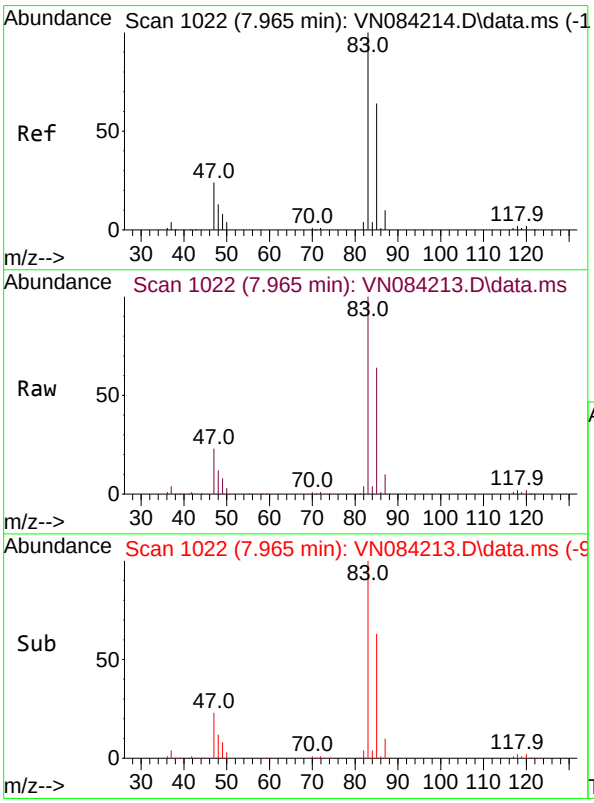
#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 453342

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

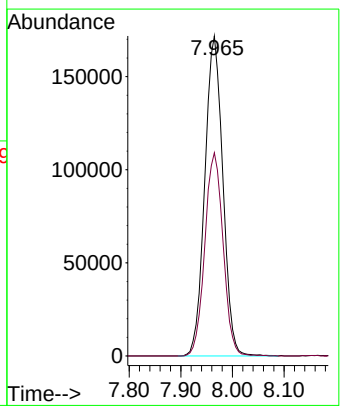


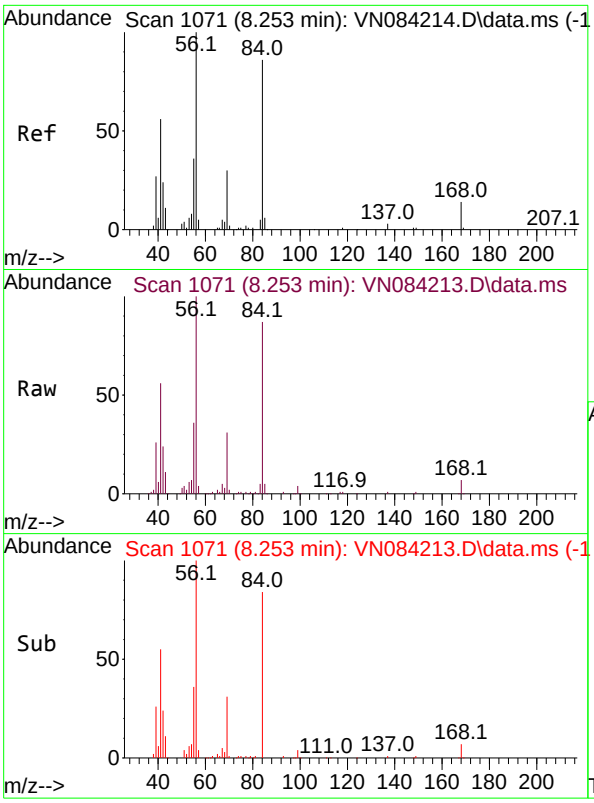


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4



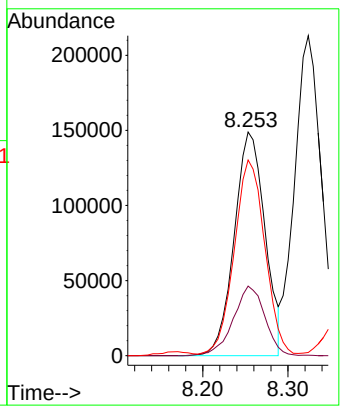


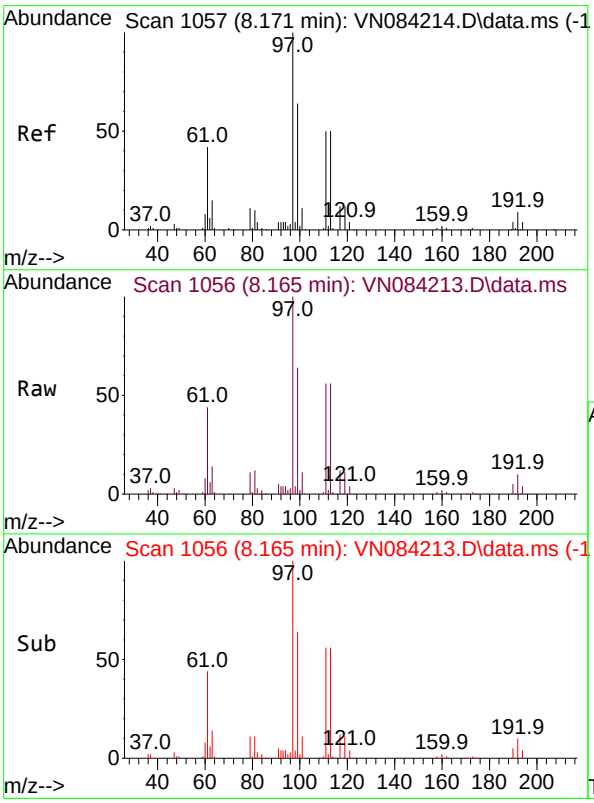
#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 373445

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

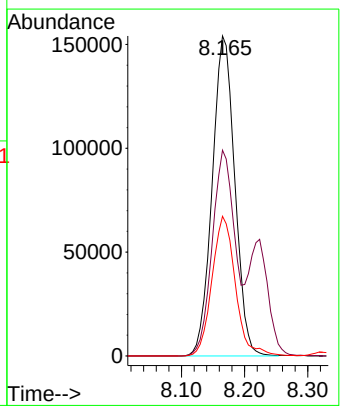


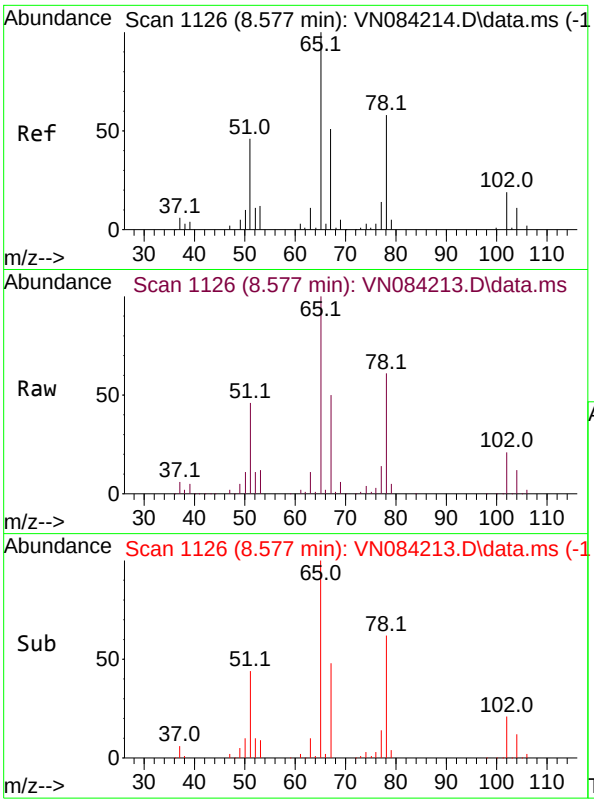


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 383566

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



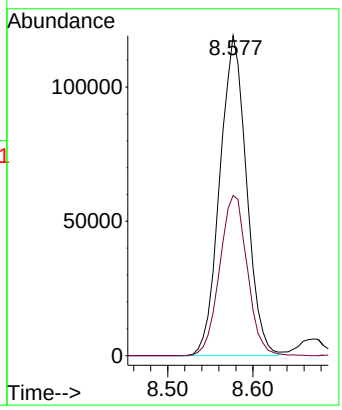


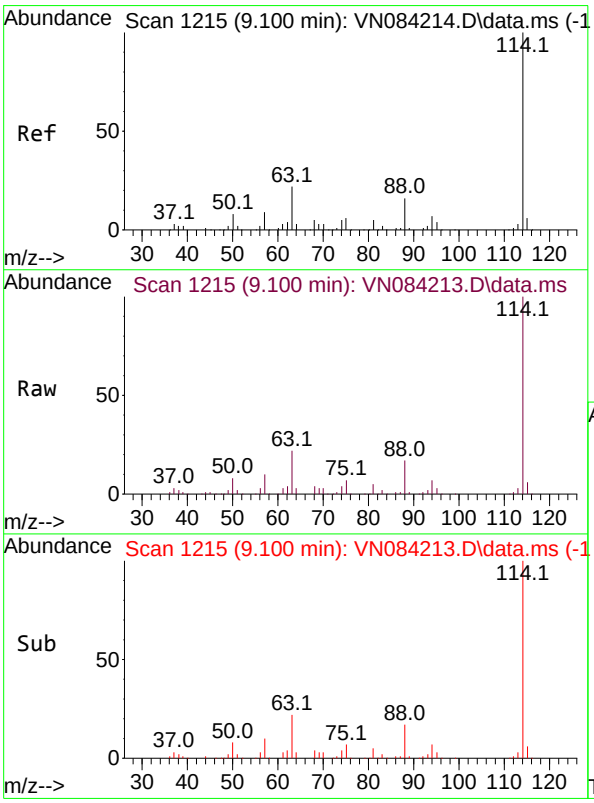
#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 259018

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0

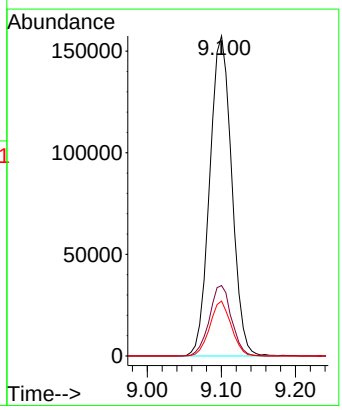


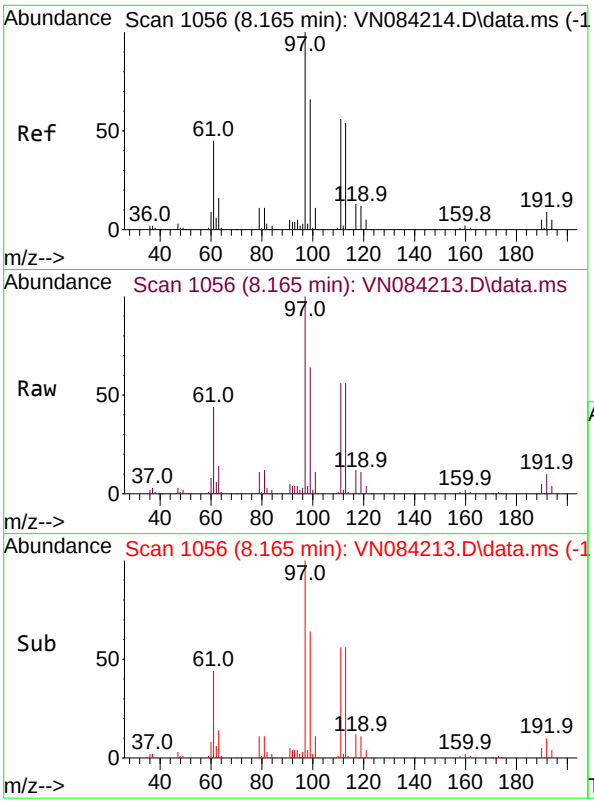


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:114 Resp: 324582

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



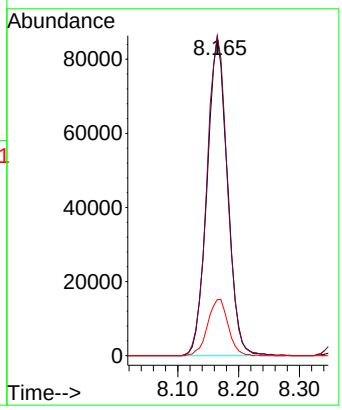


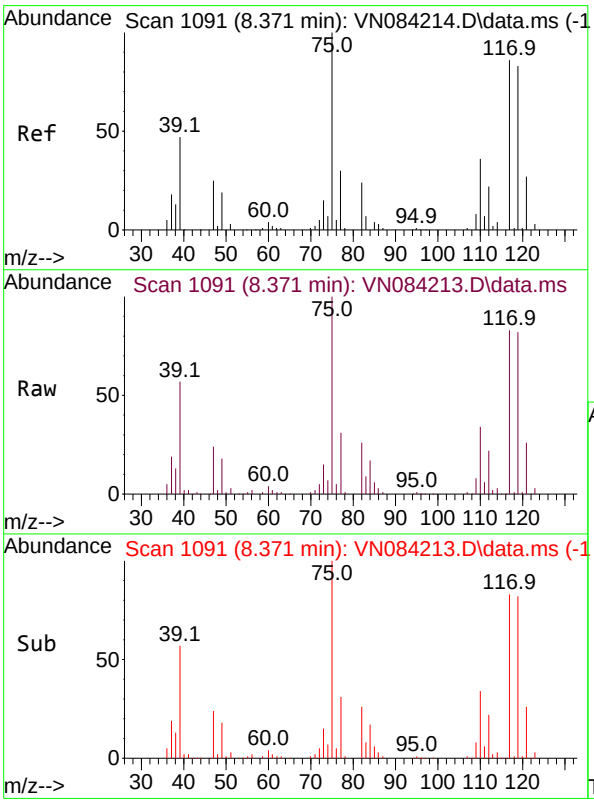
#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 200166

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

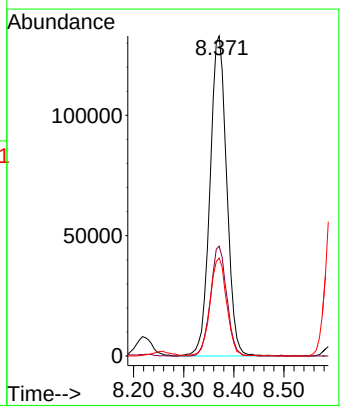


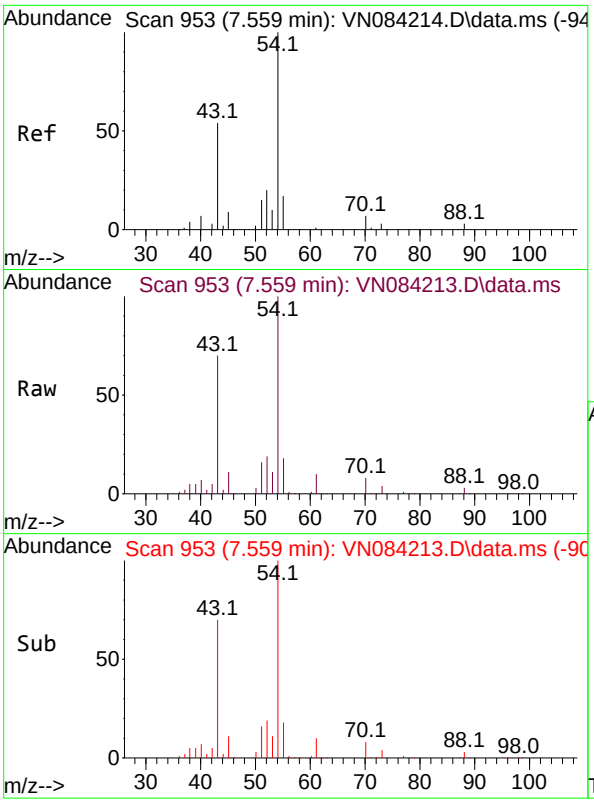


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 307616

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



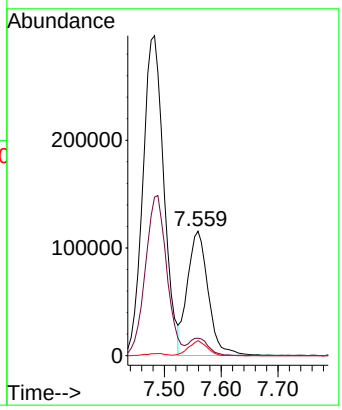


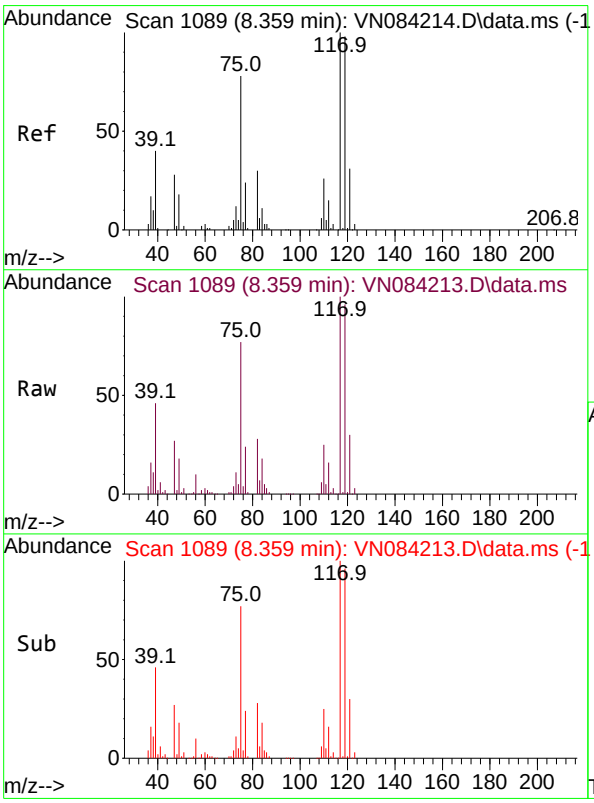
#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 293597

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

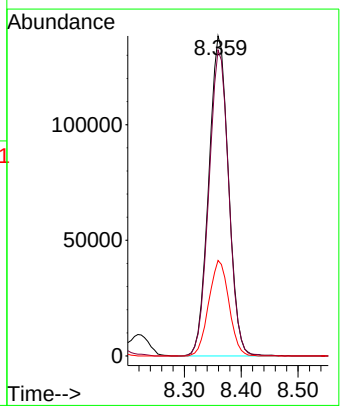


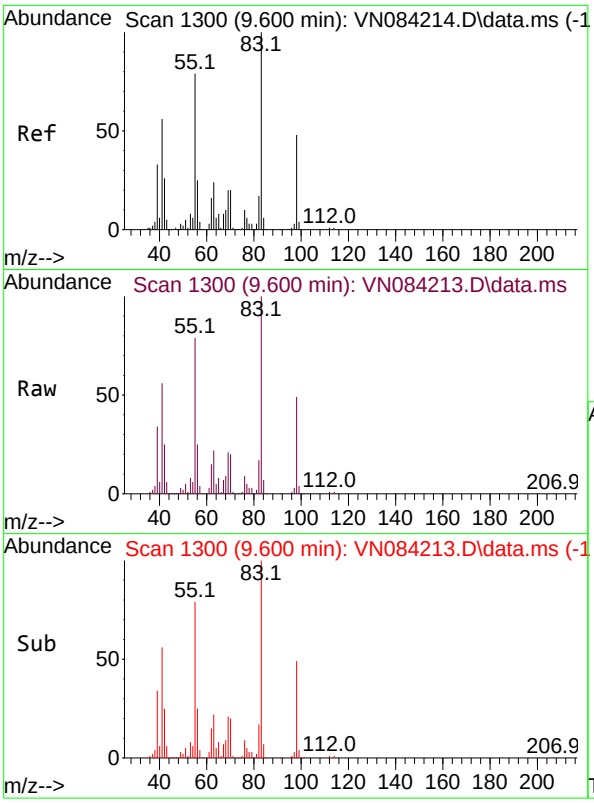


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 334398

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



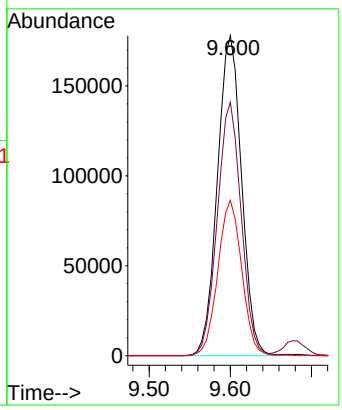


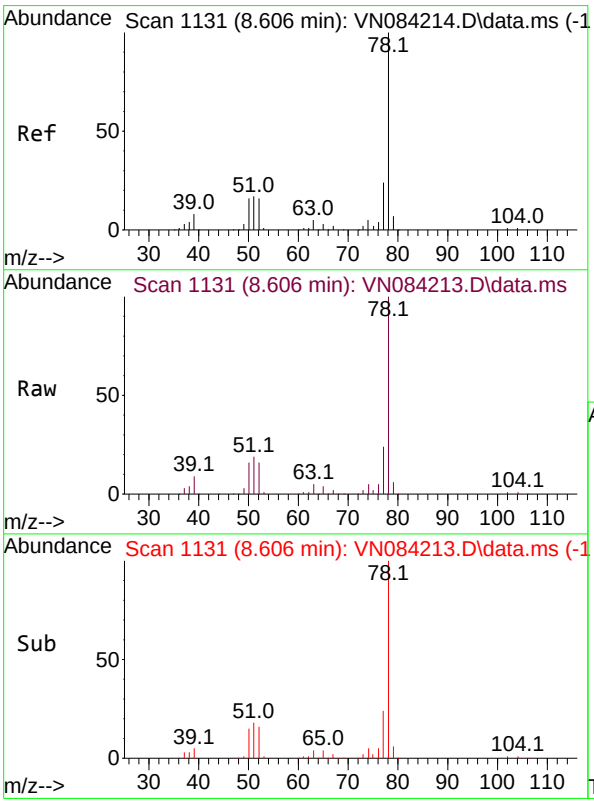
#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 368299

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

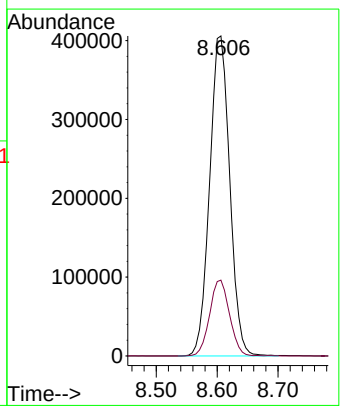


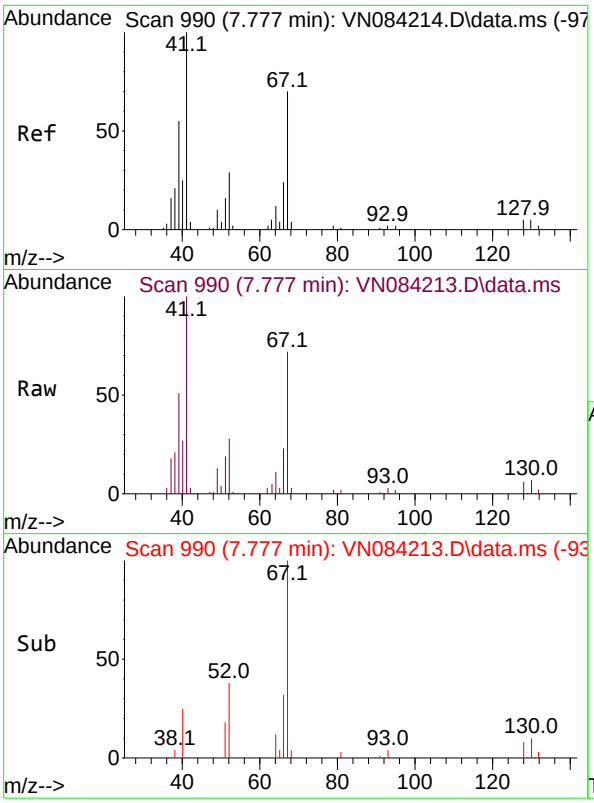


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7



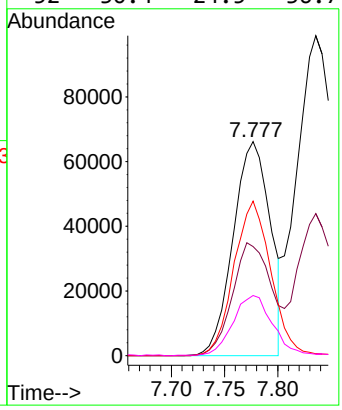


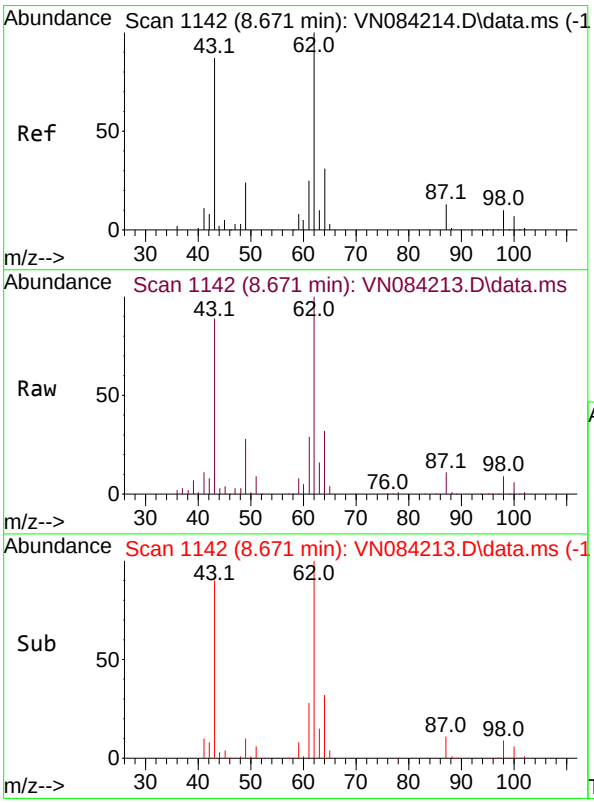
#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 160270

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

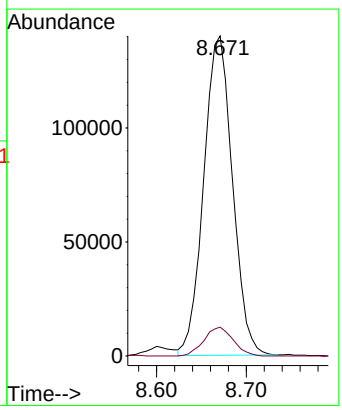


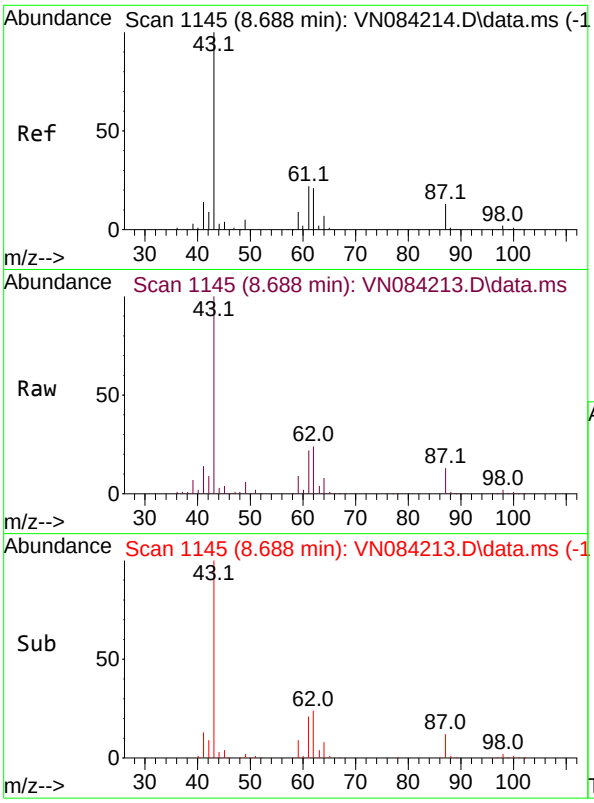


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



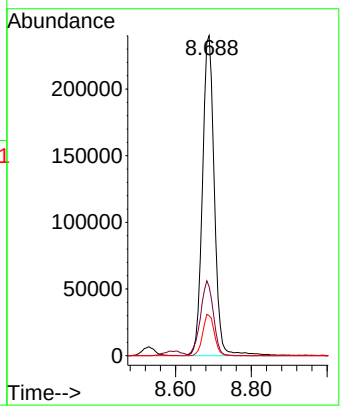


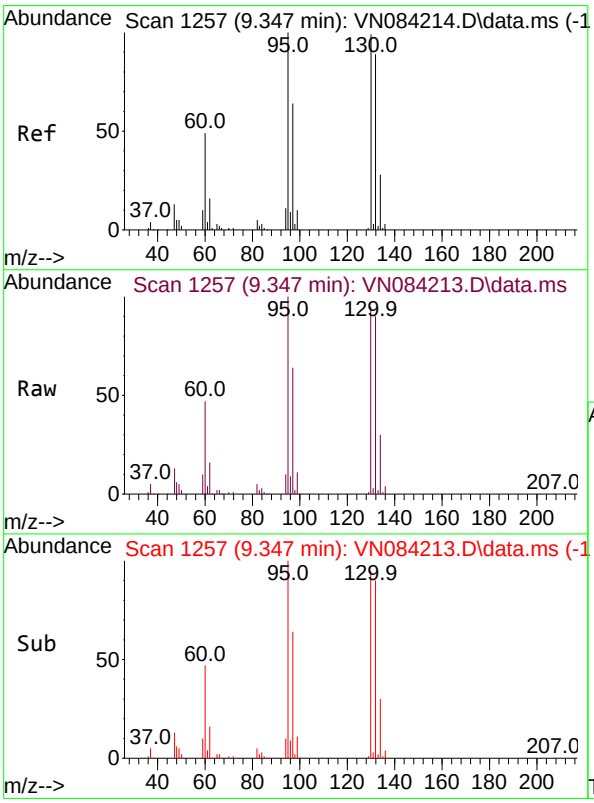
#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 521814

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

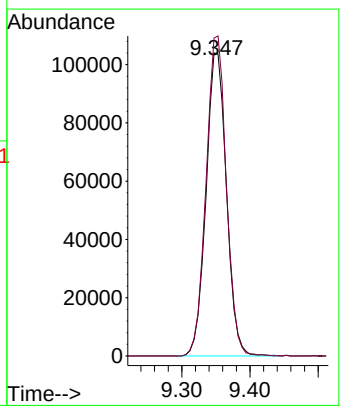


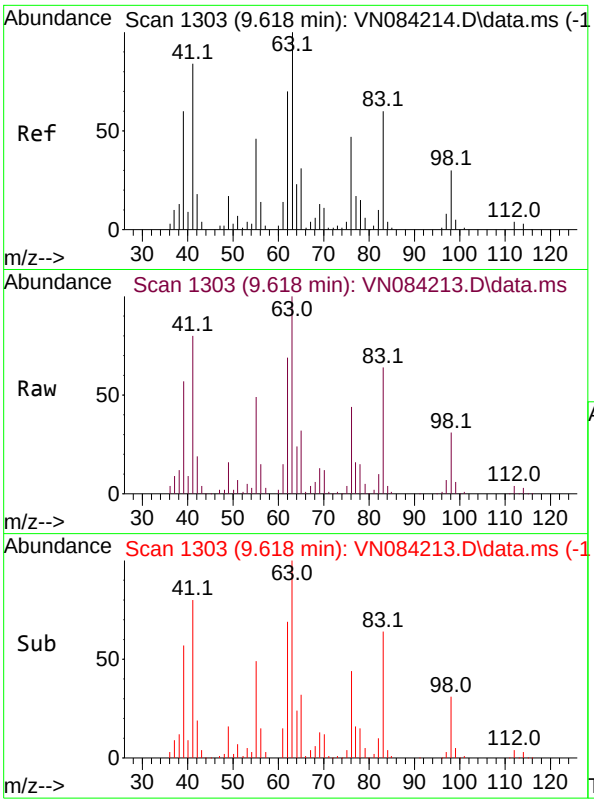


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0



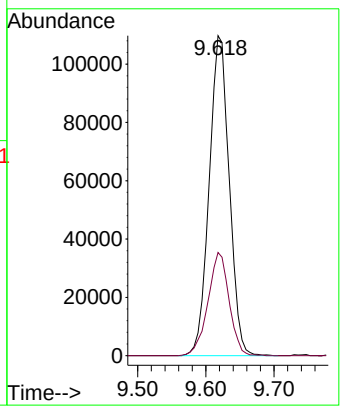


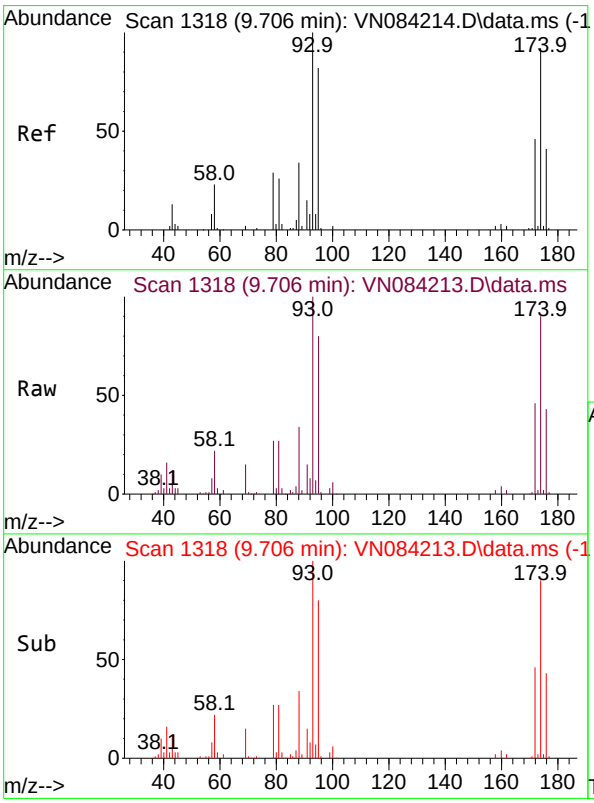
#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 224724

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0

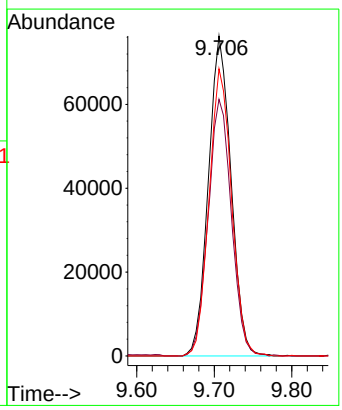


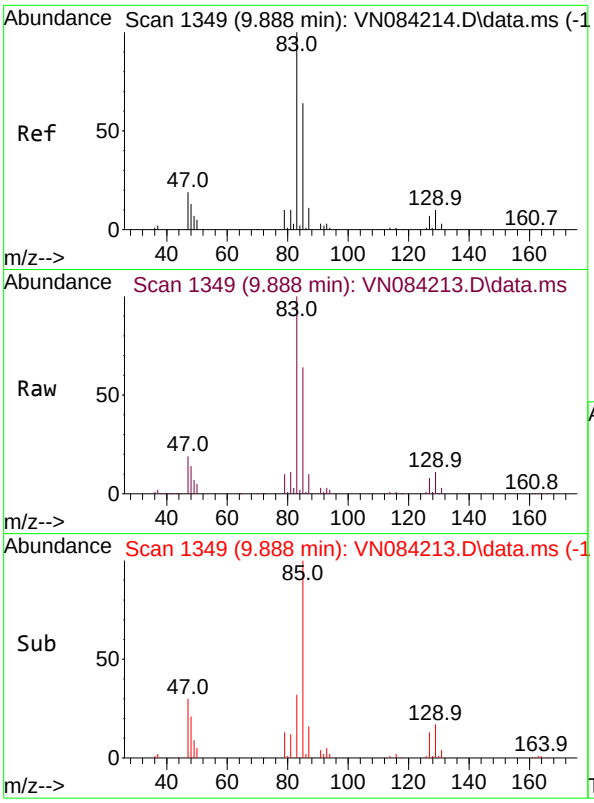


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 93 Resp: 154739

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.4
174	89.5	71.8	107.8



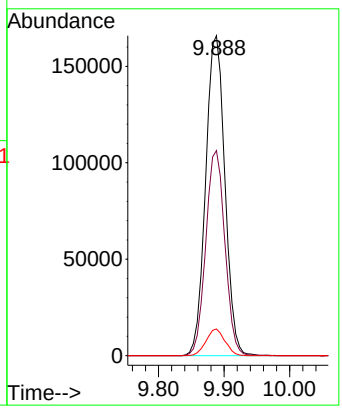


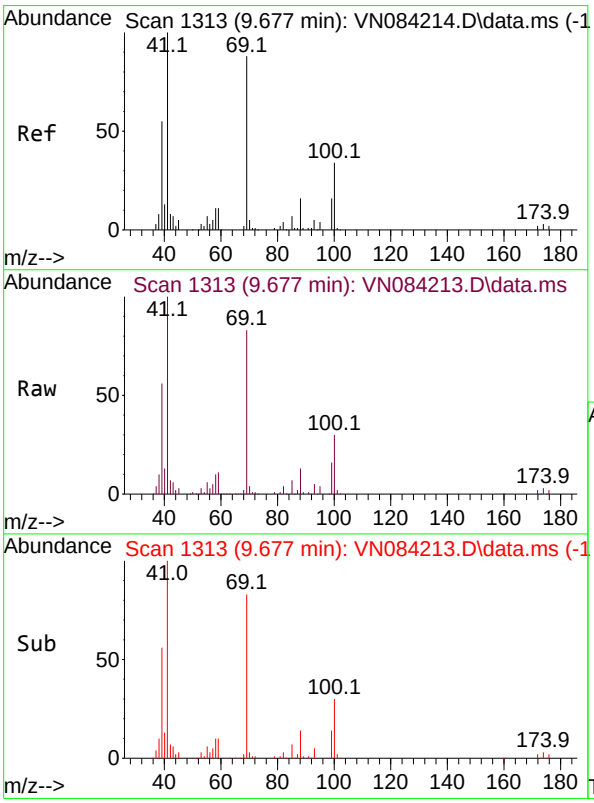
#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 338406

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.4	5.7	8.5

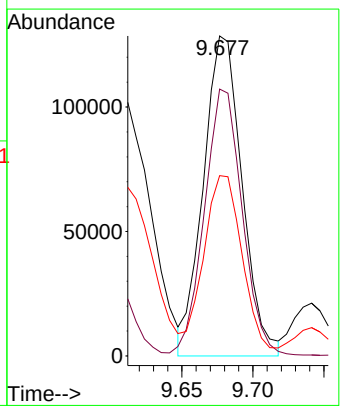


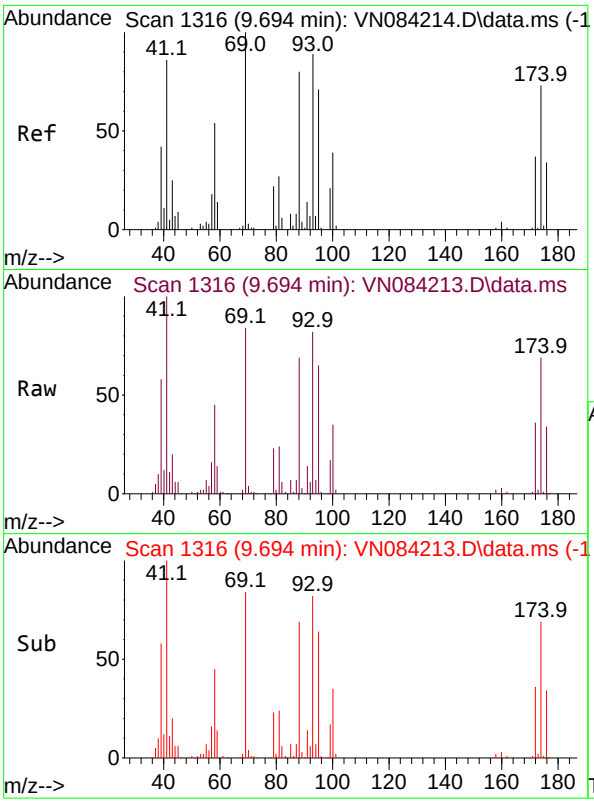


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 244061

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	57.1	45.8	68.6



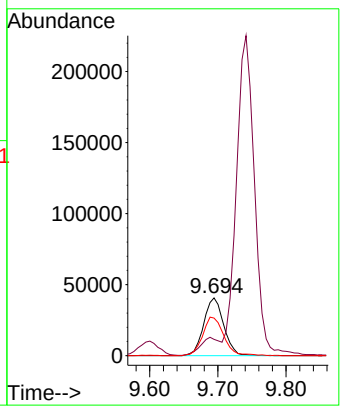


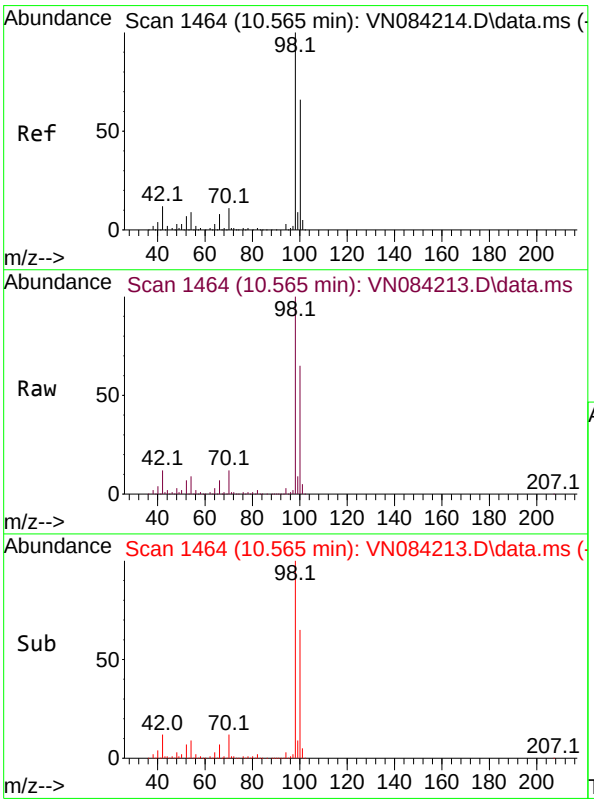
#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 82854

Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.3	37.9
58	70.9	56.4	84.6

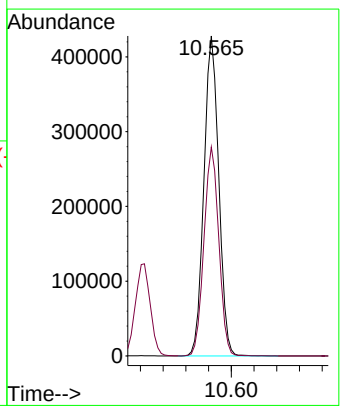


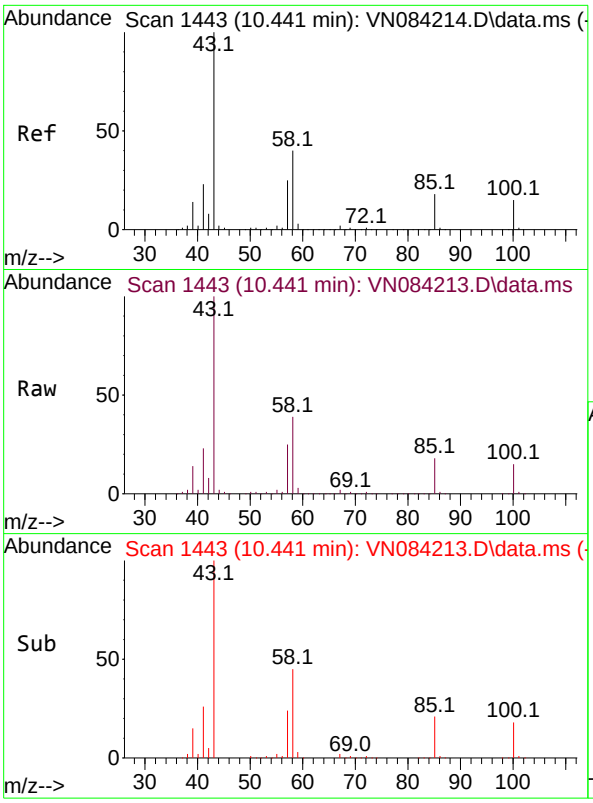


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



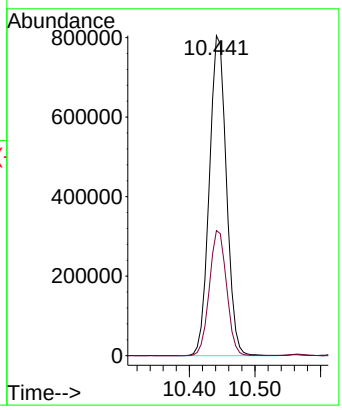


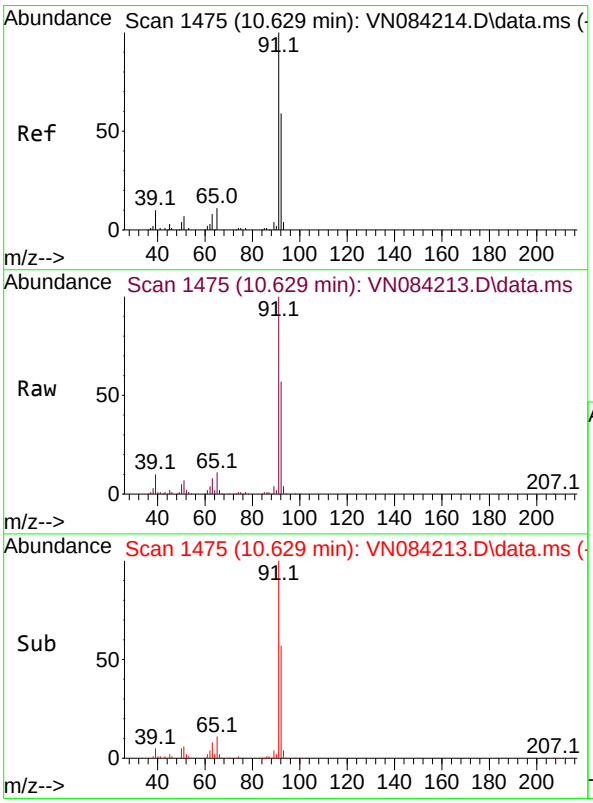
#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1456154

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

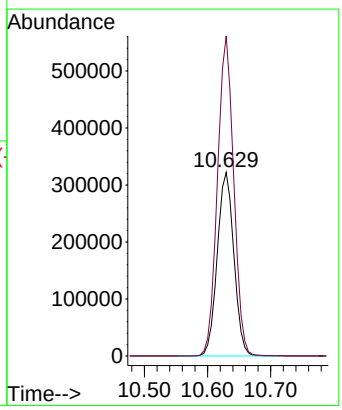


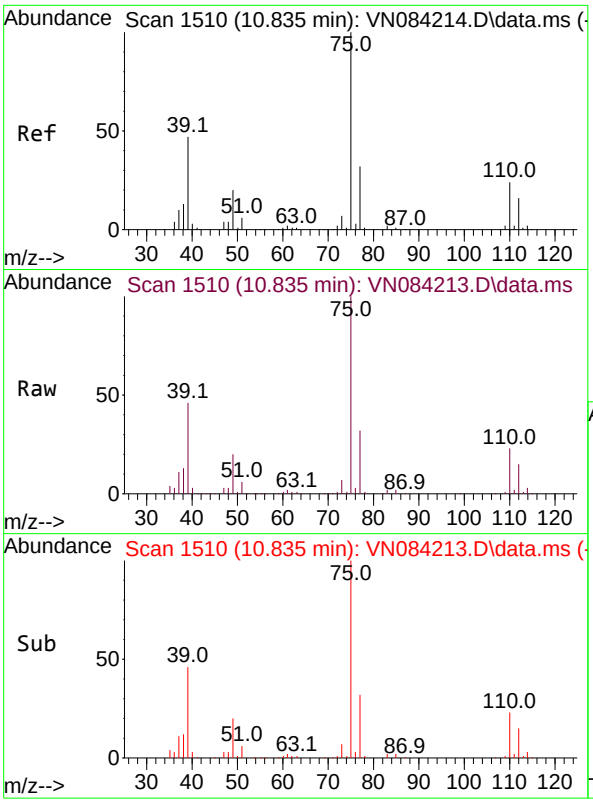


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



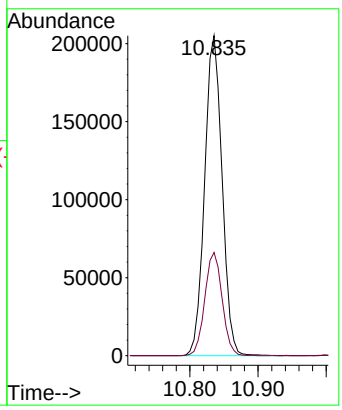


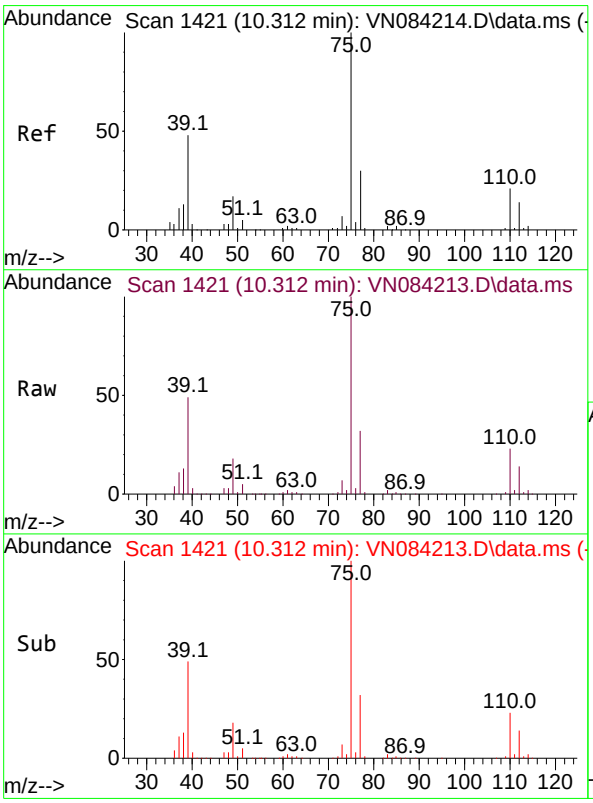
#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 365099

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

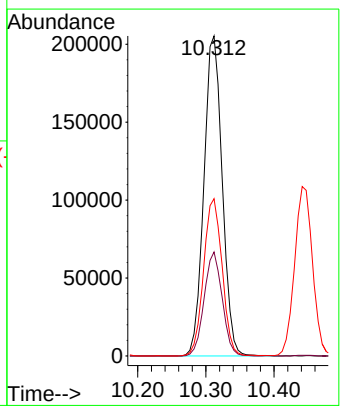


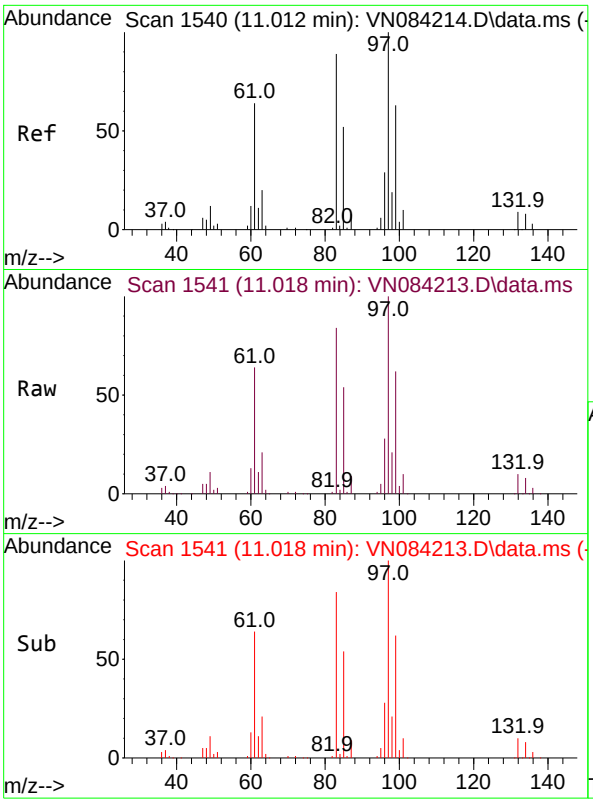


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 384030

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	49.2	38.7	58.1



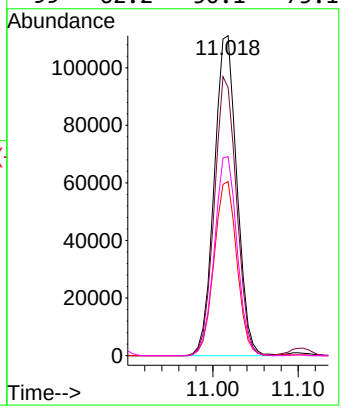


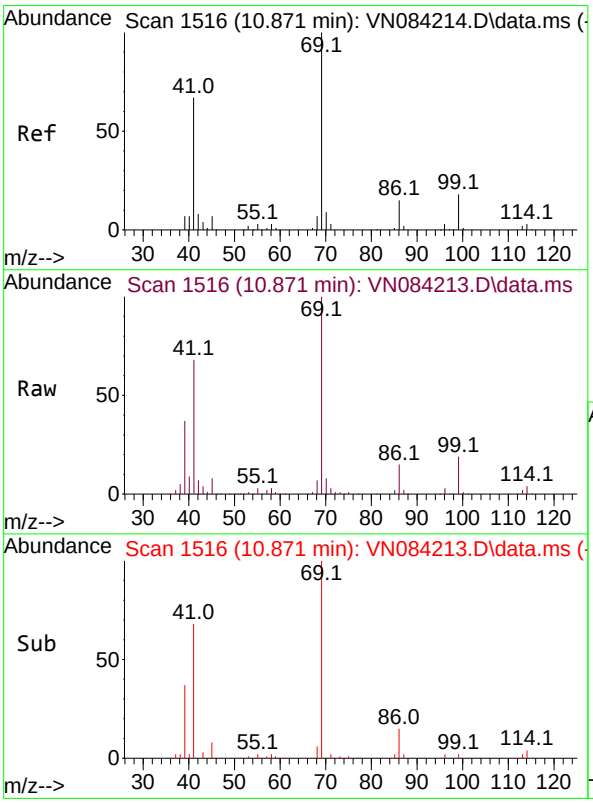
#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205711

Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.0	106.4
85	54.4	41.7	62.5
99	62.2	50.1	75.1

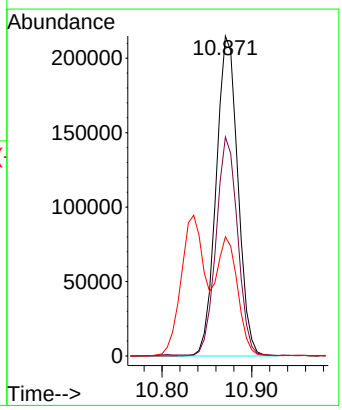


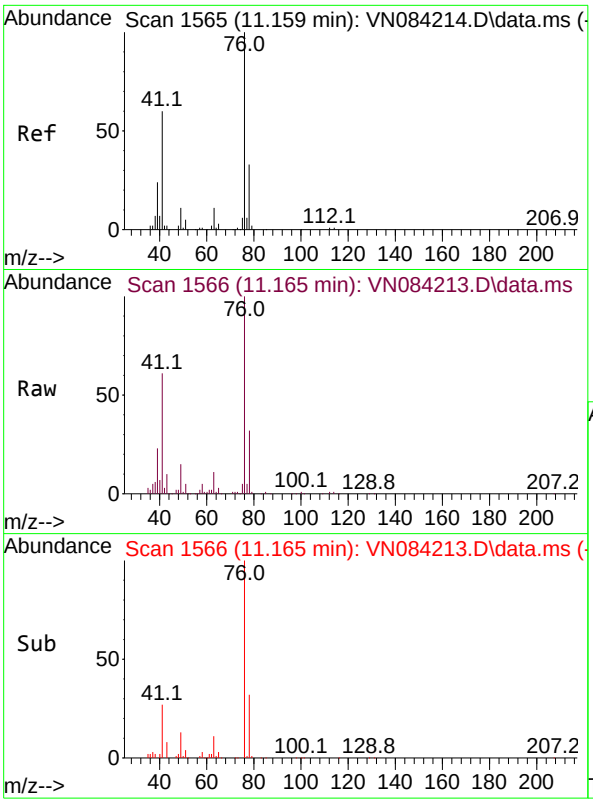


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 69 Resp: 360916

Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.3	79.9
39	36.1	28.8	43.2



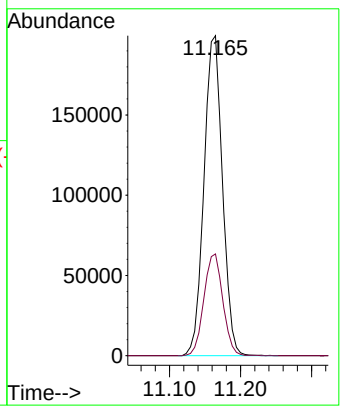


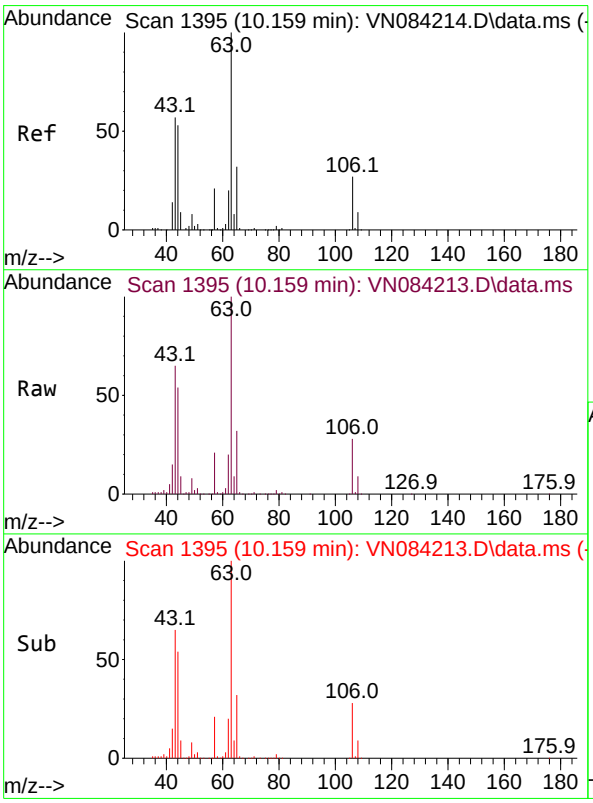
#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 360601

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

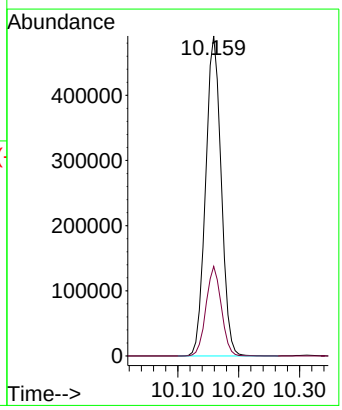


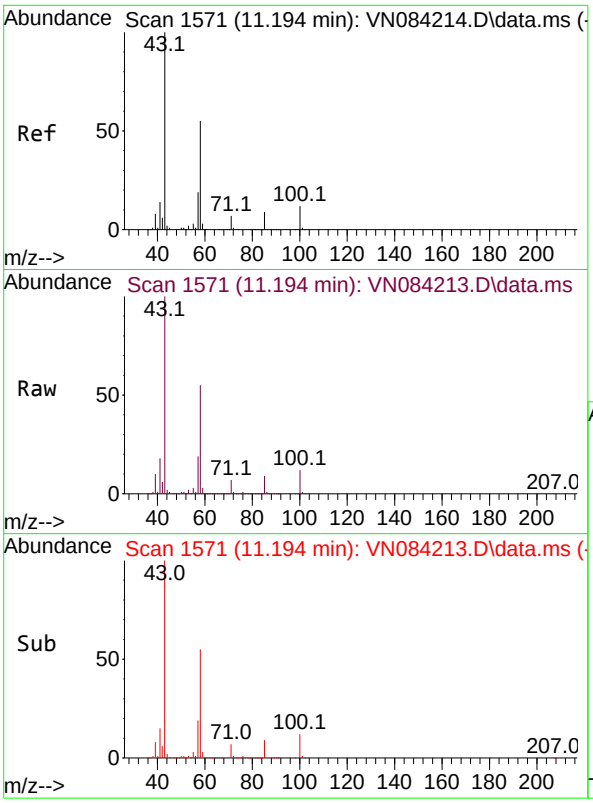


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



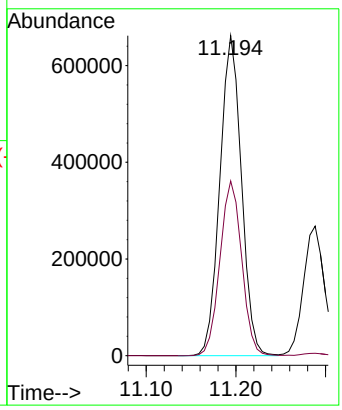


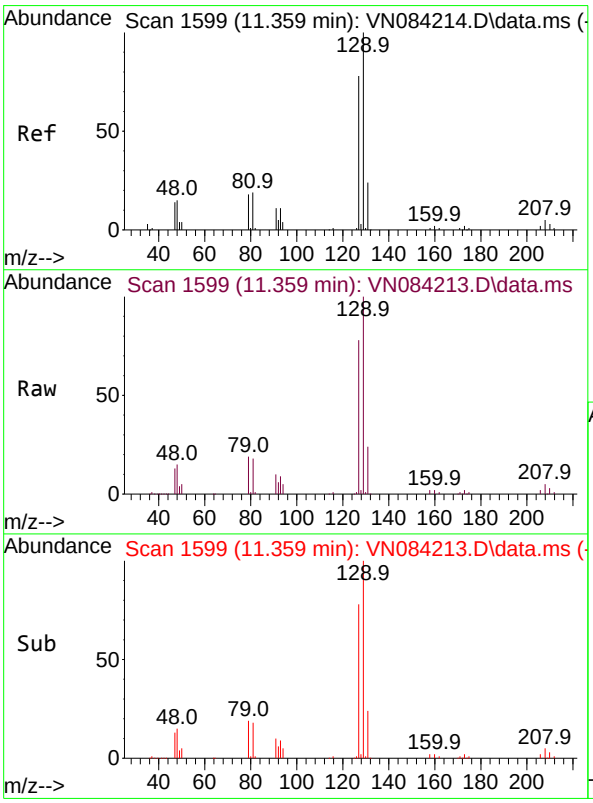
#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1105736

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

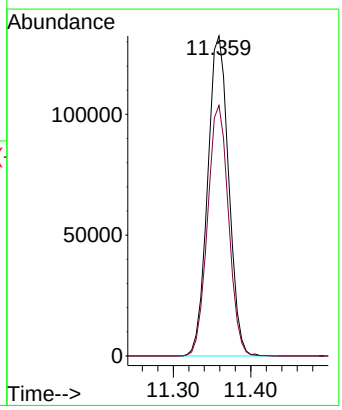


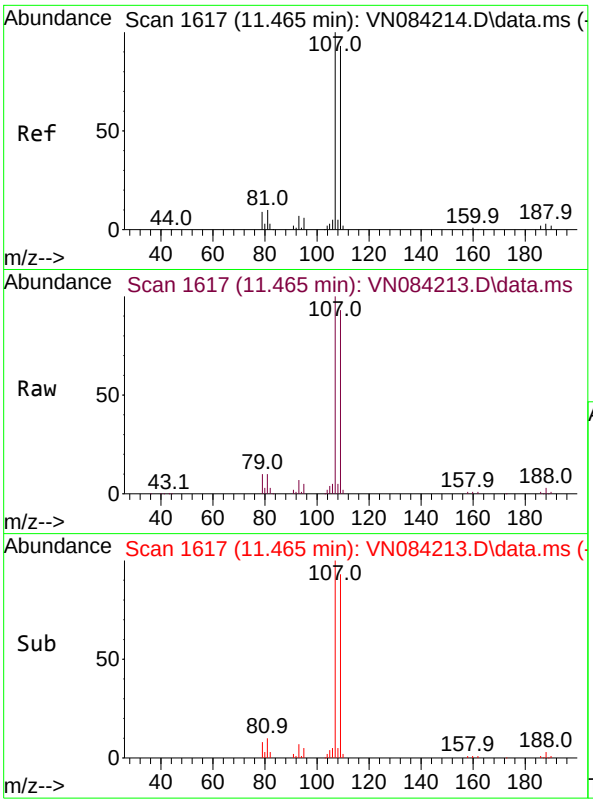


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9



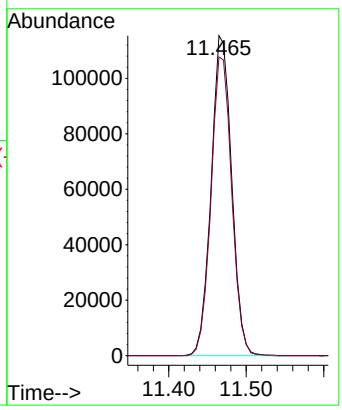


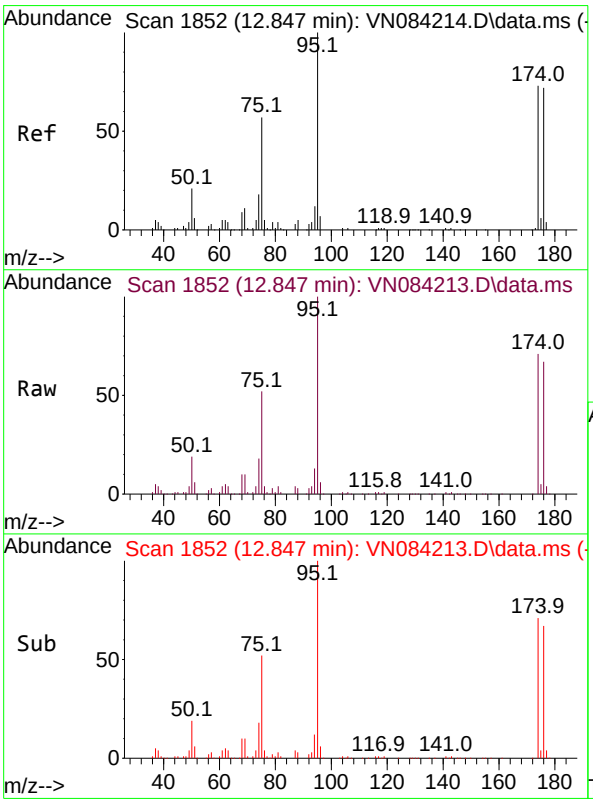
#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 212705

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0

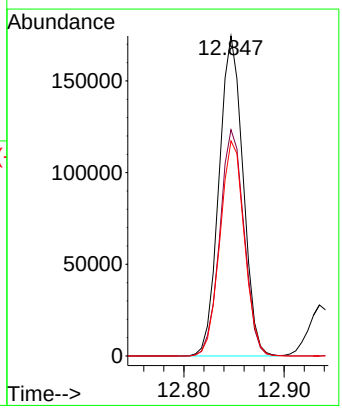


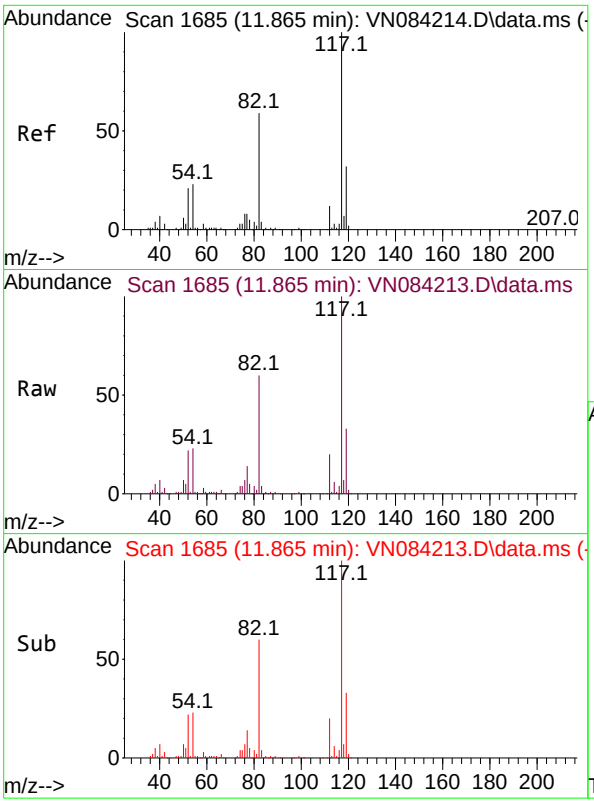


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 95 Resp: 289867

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	145.2
176	68.2	0.0	140.0



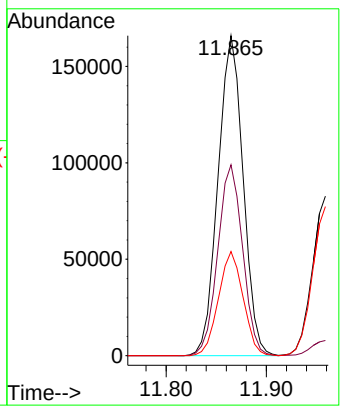


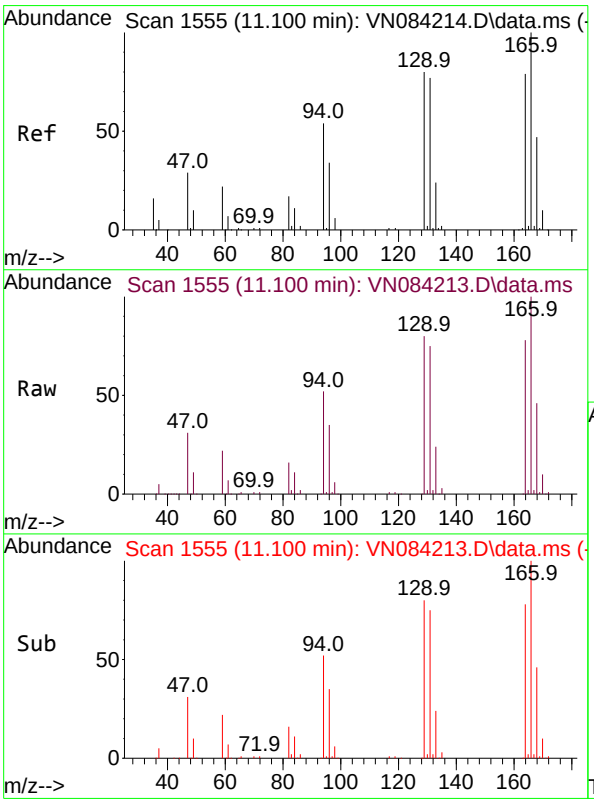
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 288467

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	32.5	25.4	38.0

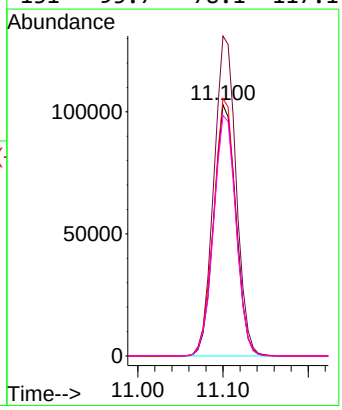


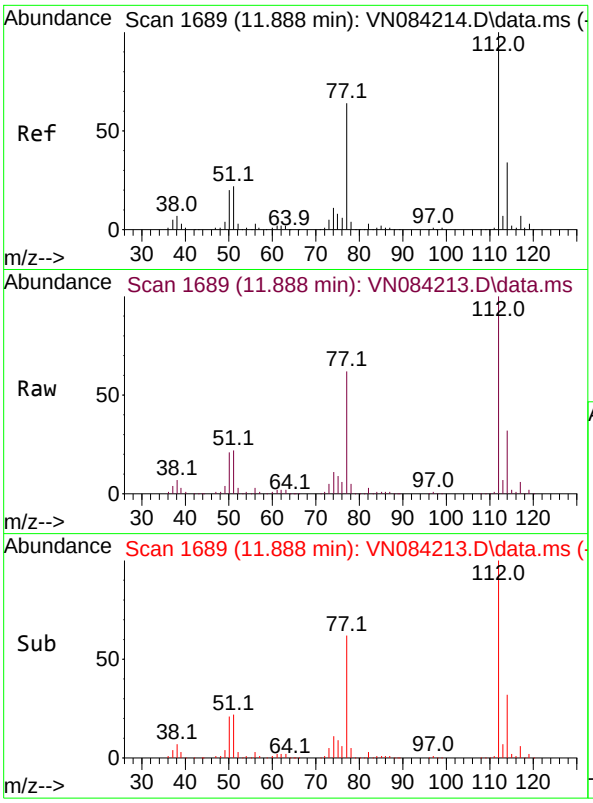


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:164 Resp: 186069

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	102.4	80.8	121.2
131	95.7	78.1	117.1



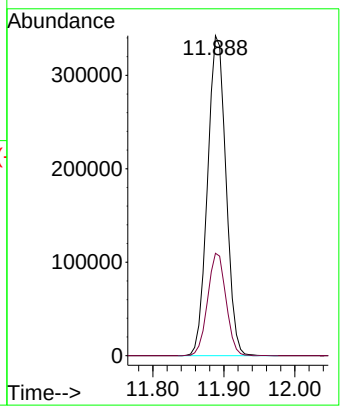


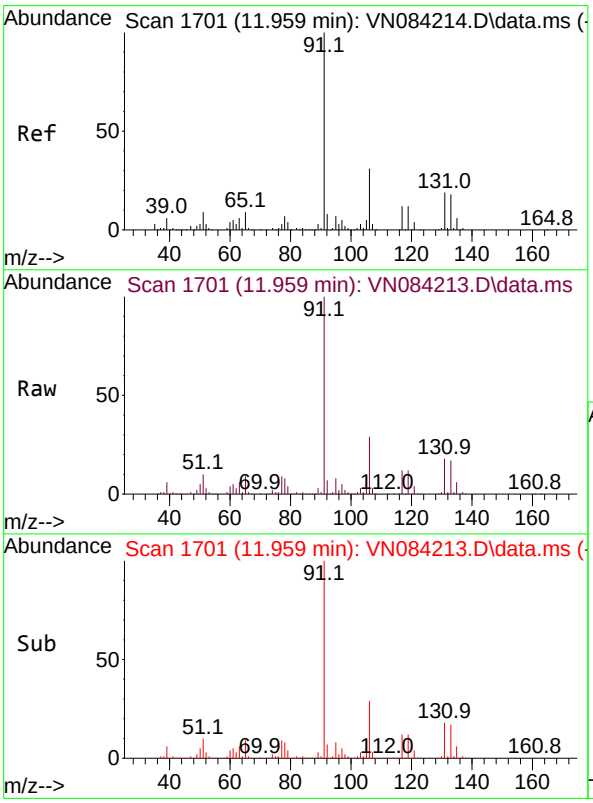
#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 616423

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

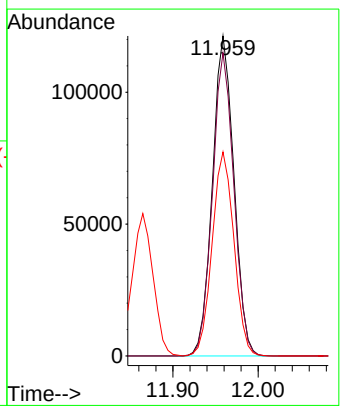


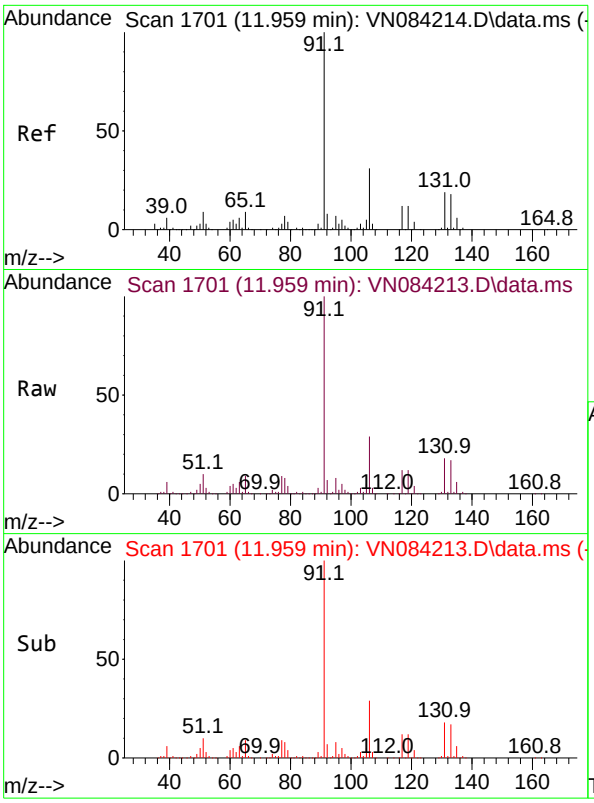


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:131 Resp: 212695

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.8	32.8	98.3



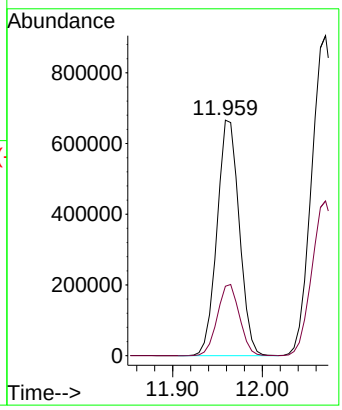


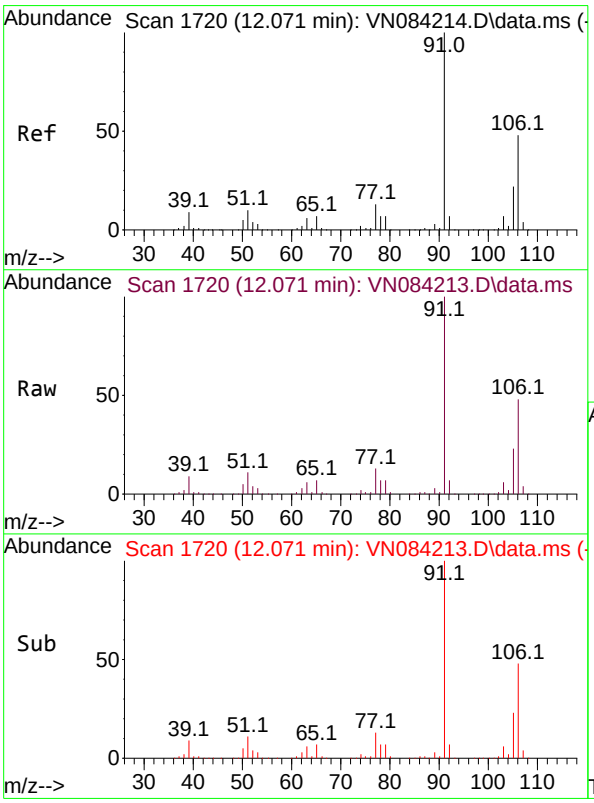
#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1146786

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7

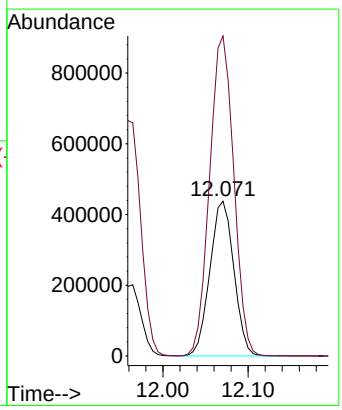


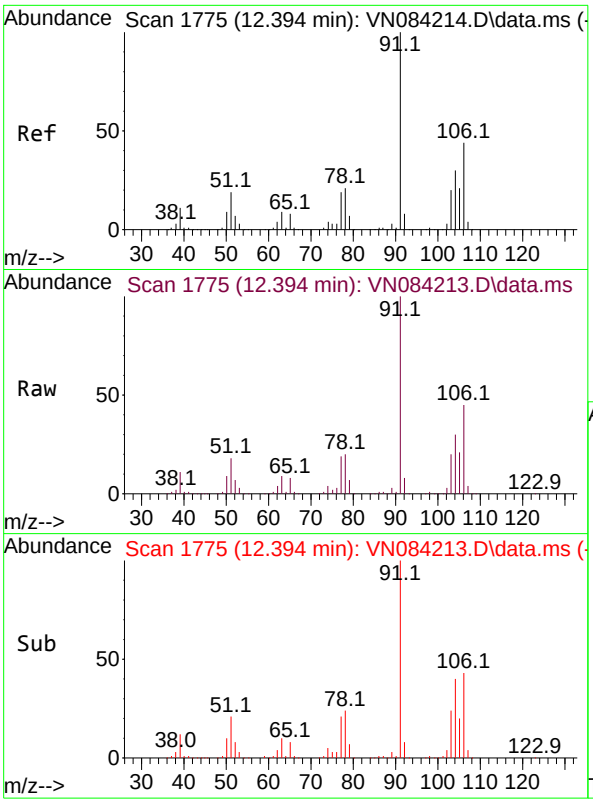


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7



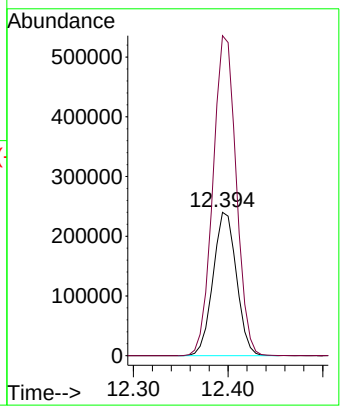


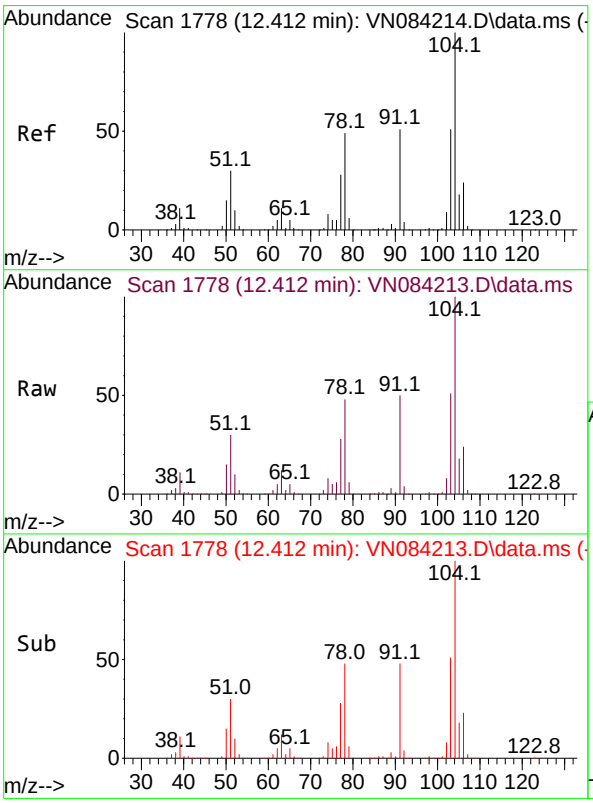
#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 412098

Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6

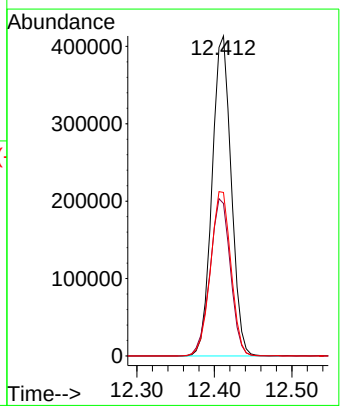


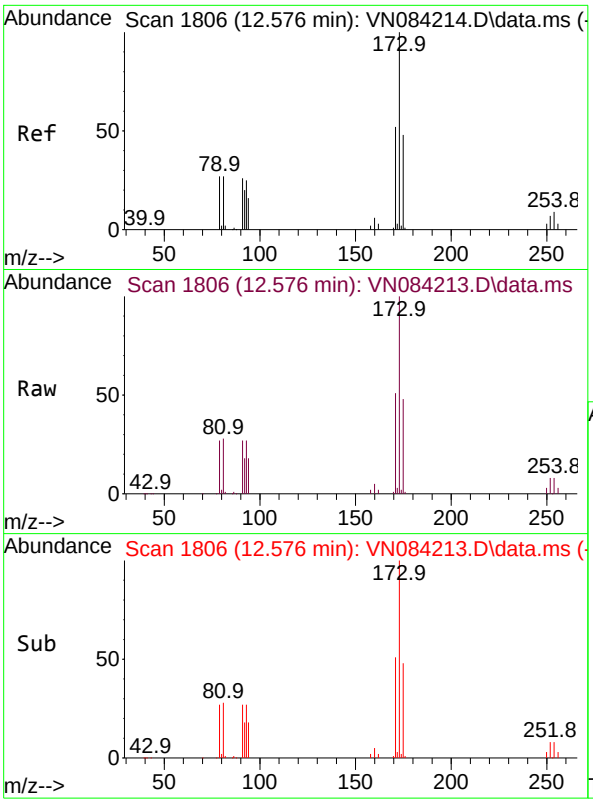


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:104 Resp: 711855

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.7	64.1
103	54.7	43.6	65.4



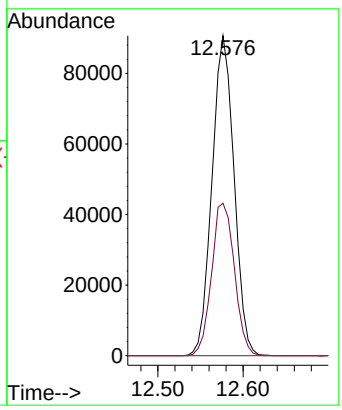


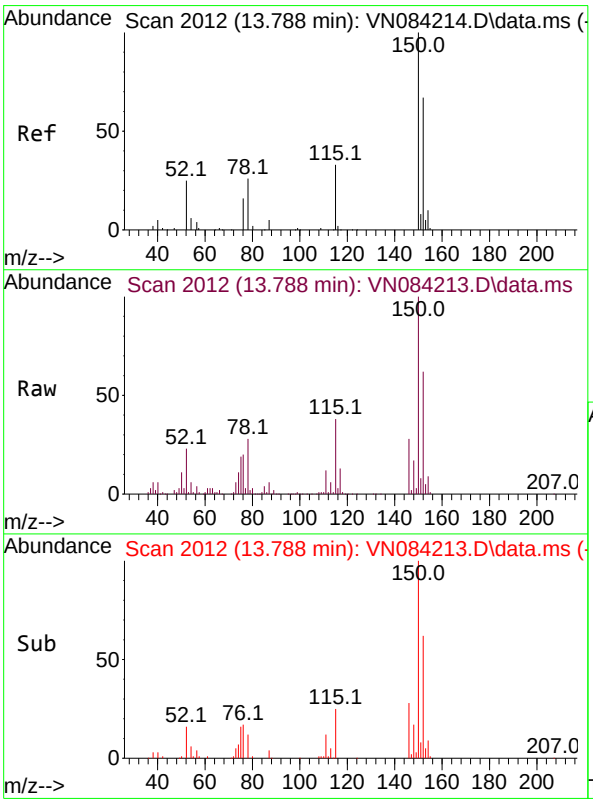
#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 162862

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0

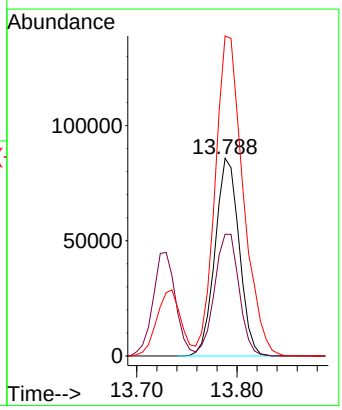


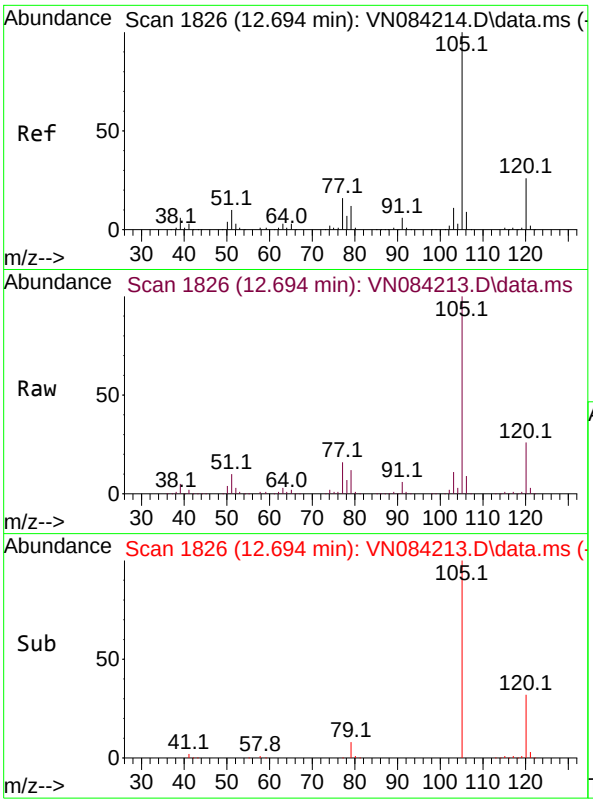


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:152 Resp: 142880

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	188.1	0.0	349.8



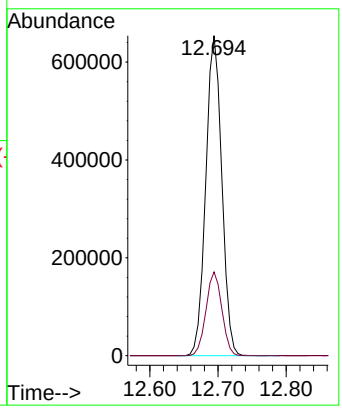


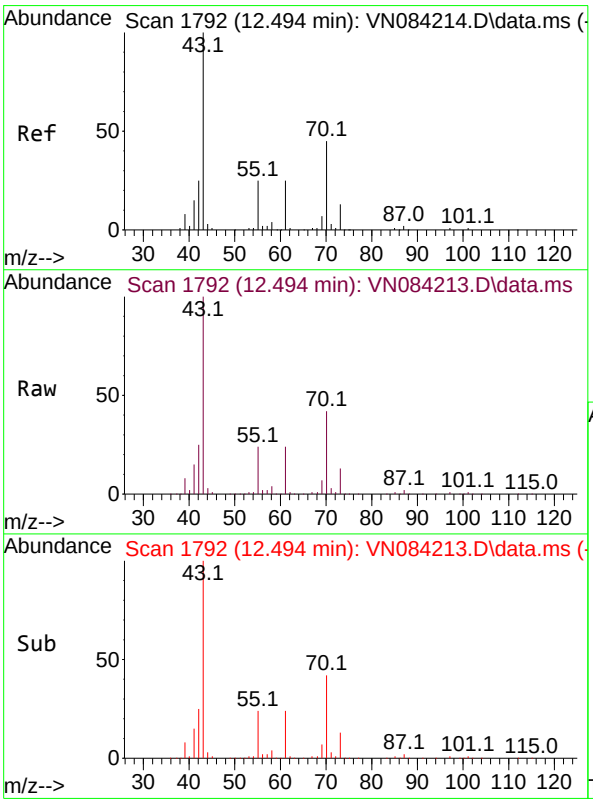
#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1067798

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

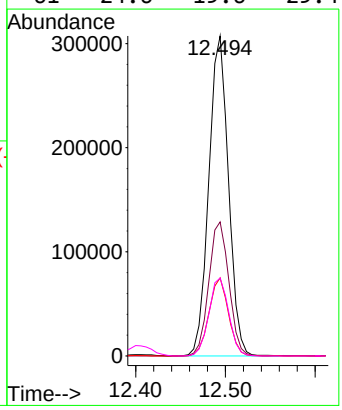


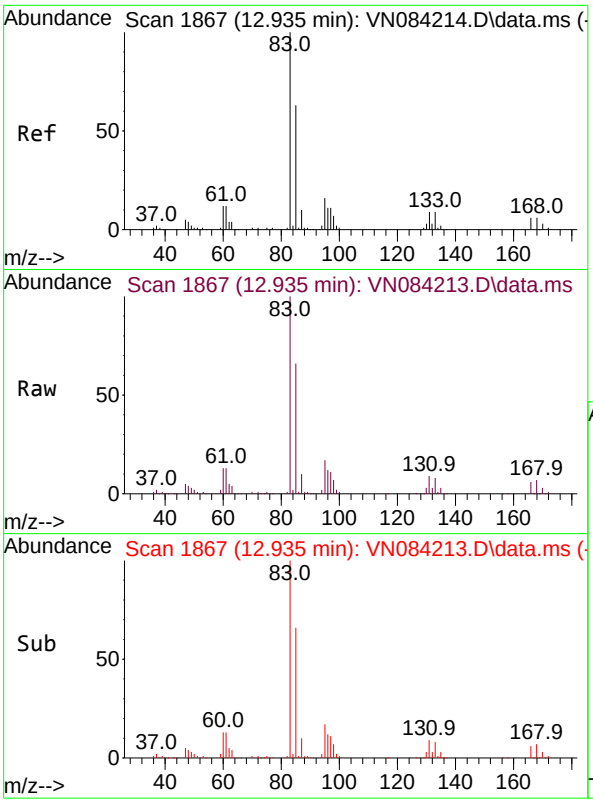


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 467641

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	24.2	19.6	29.4
61	24.6	19.6	29.4



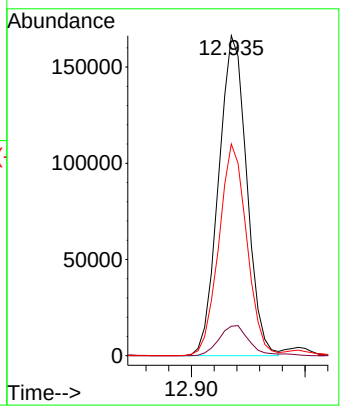


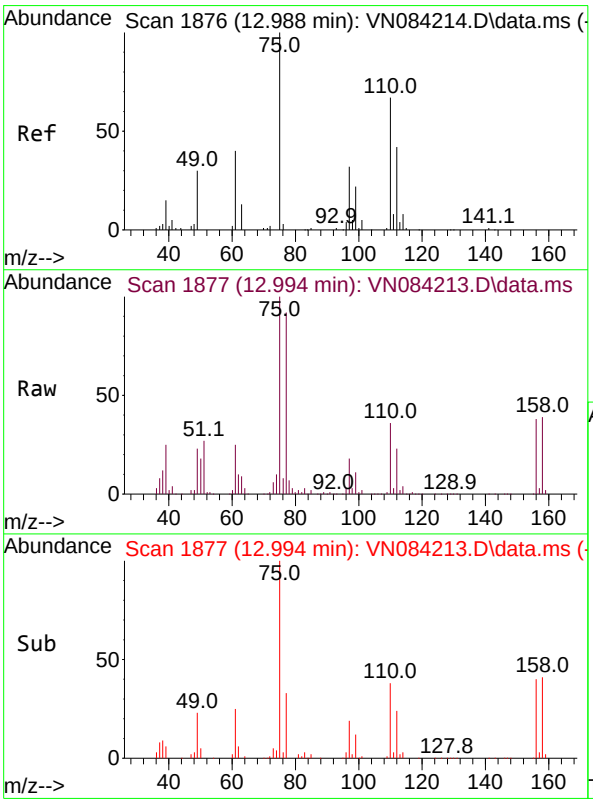
#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 286161

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.7	31.9	95.7

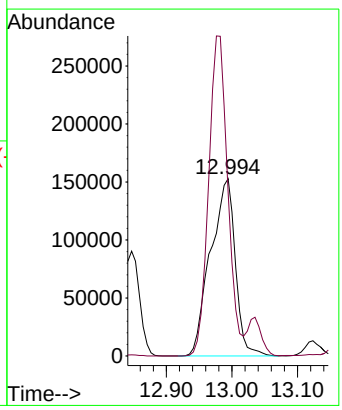


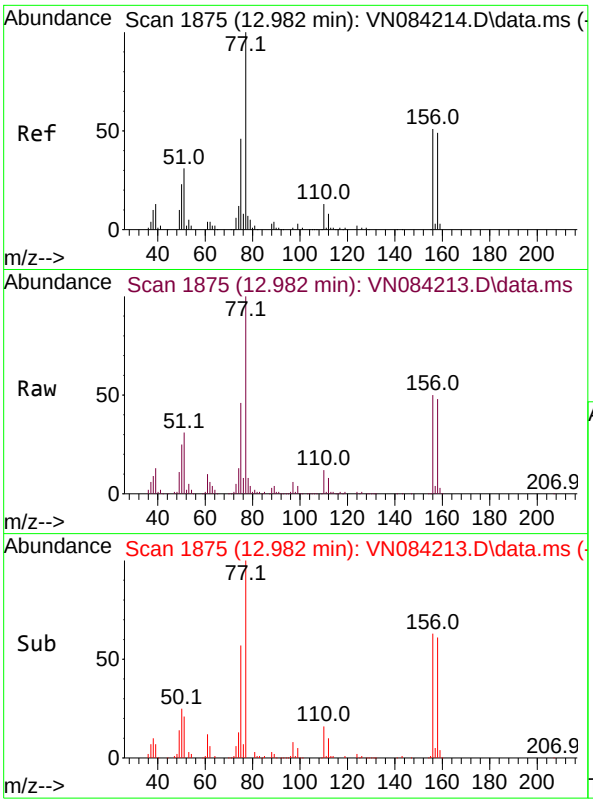


#76
1,2,3-Trichloropropane
Concen: 140.449 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 399963

Ion	Ratio	Lower	Upper
75	100		
77	139.8	96.9	290.7



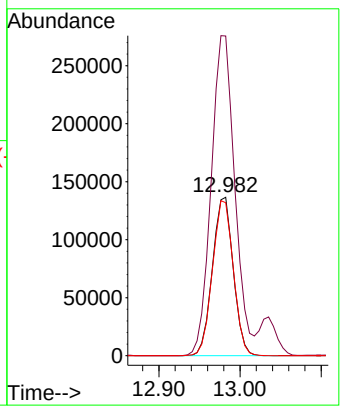


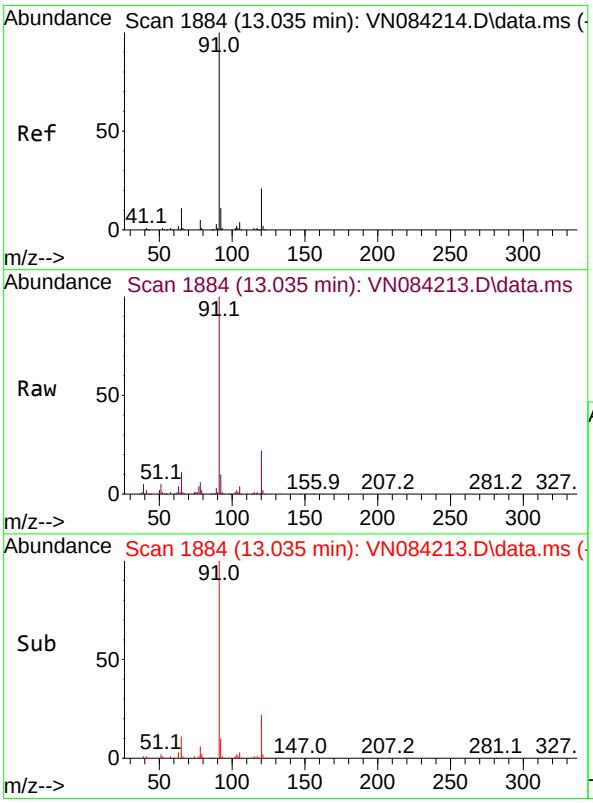
#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 243075

Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.1	345.3
158	98.3	48.9	146.8

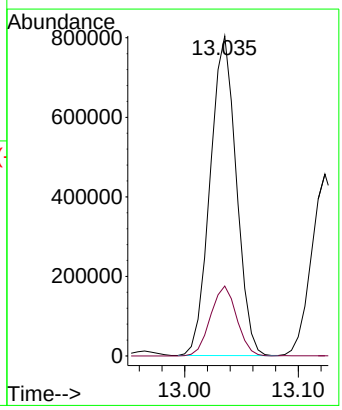


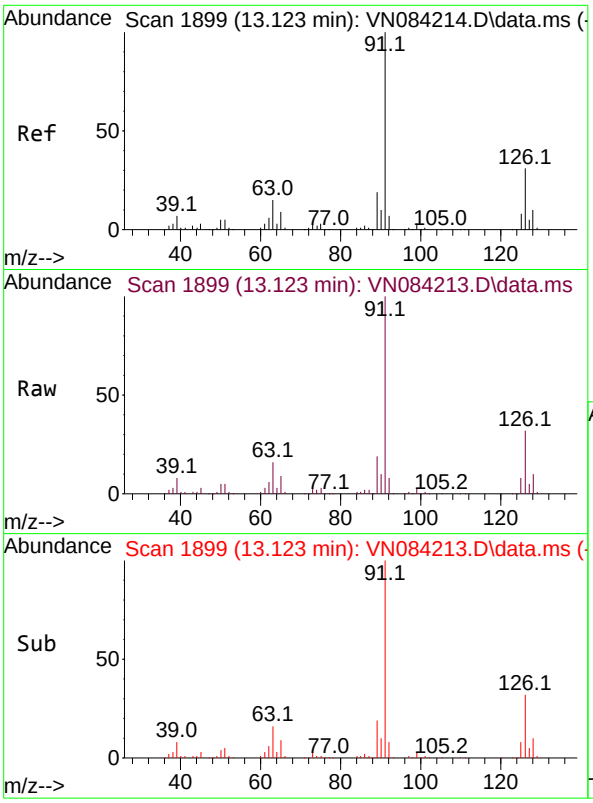


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



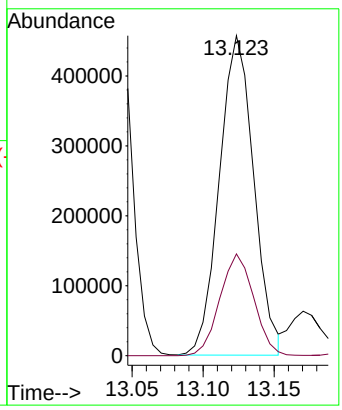


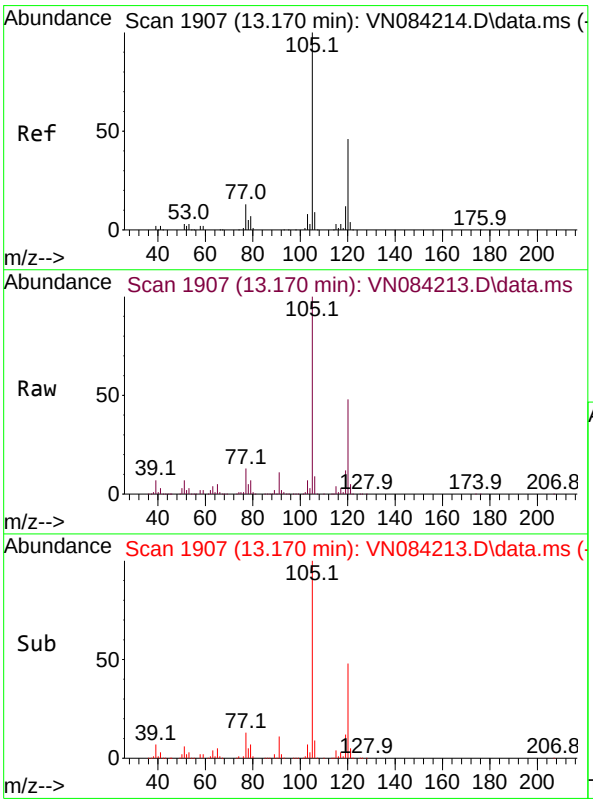
#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 770341

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

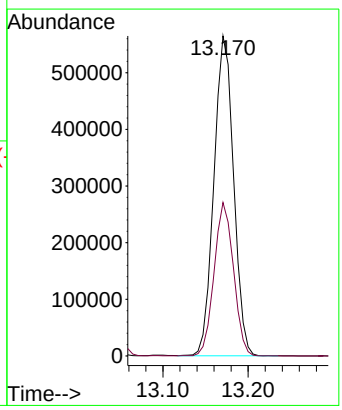


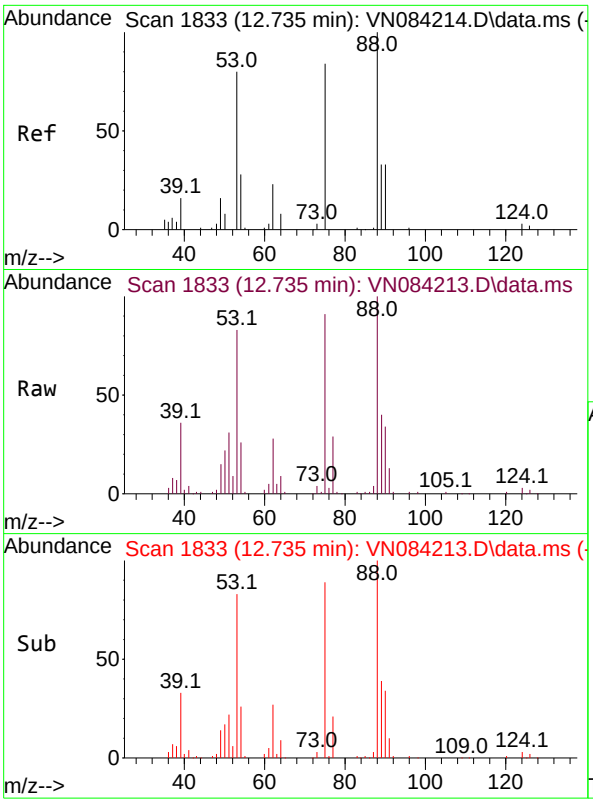


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



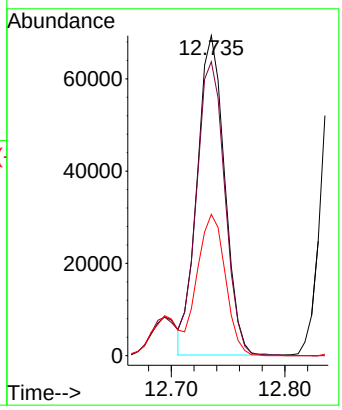


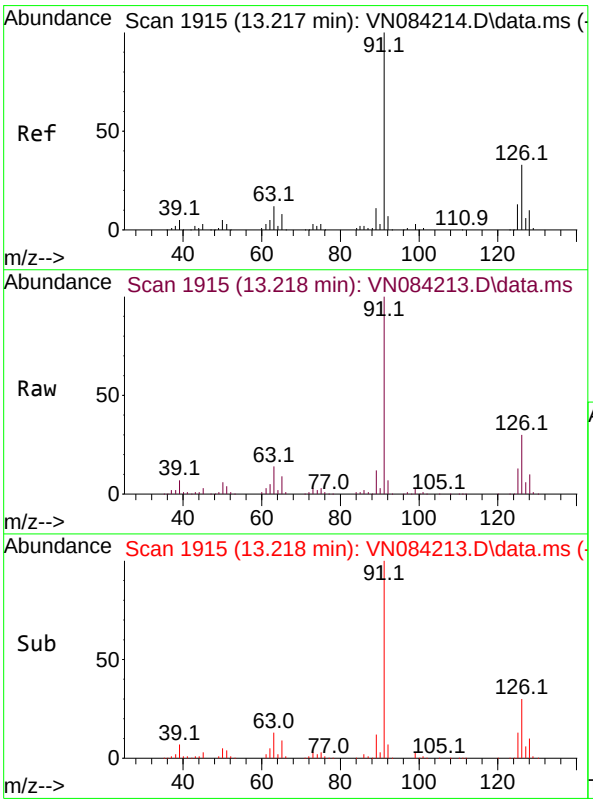
#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 116289

Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.0	117.0
89	44.4	35.5	53.3

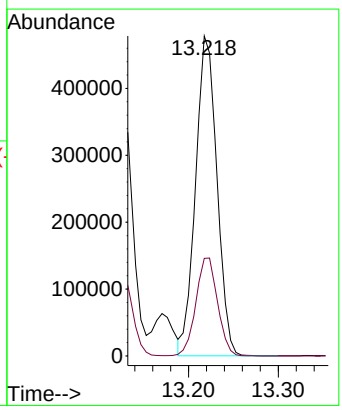


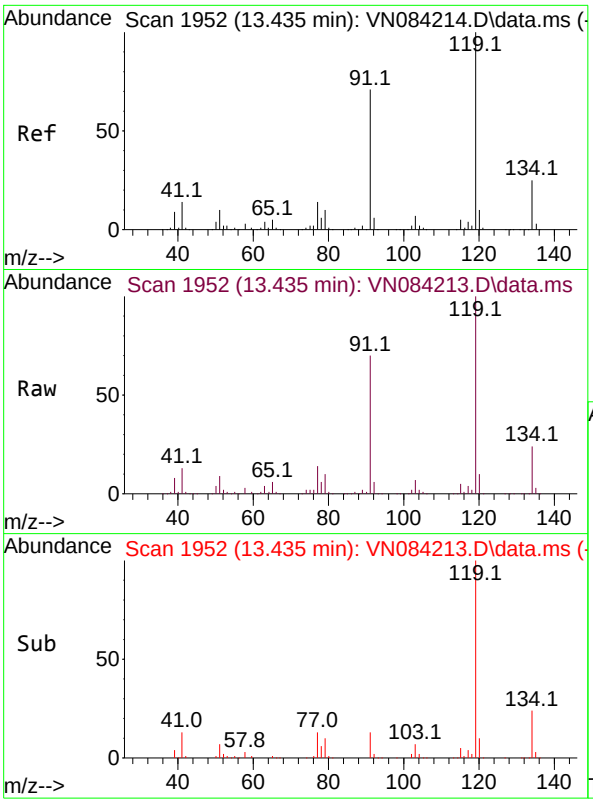


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



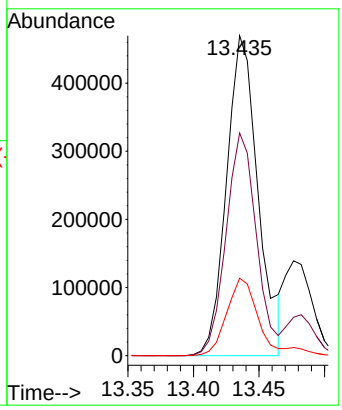


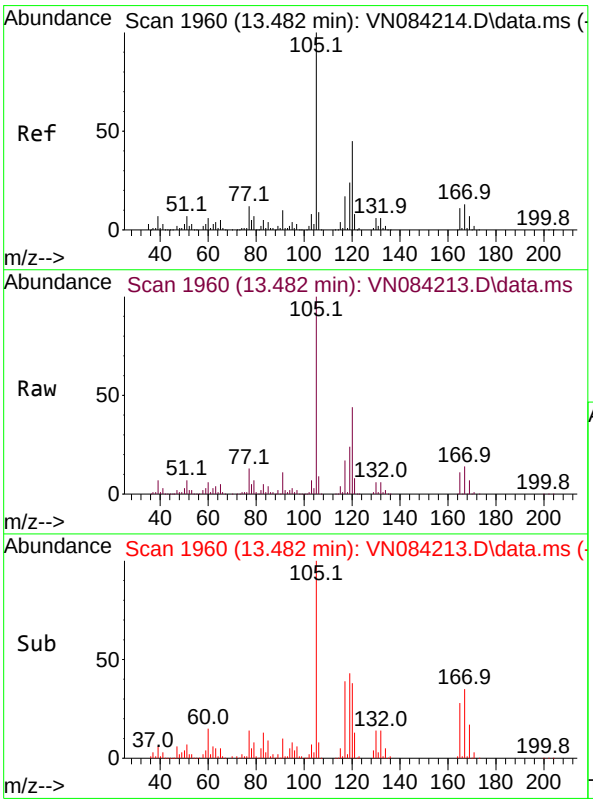
#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 785331

Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	25.2	12.8	38.4

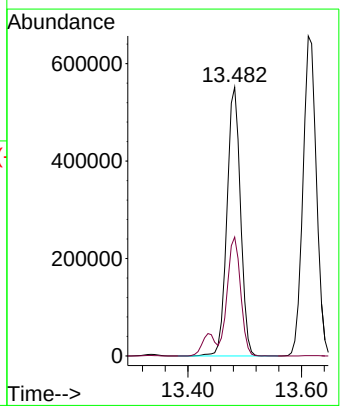


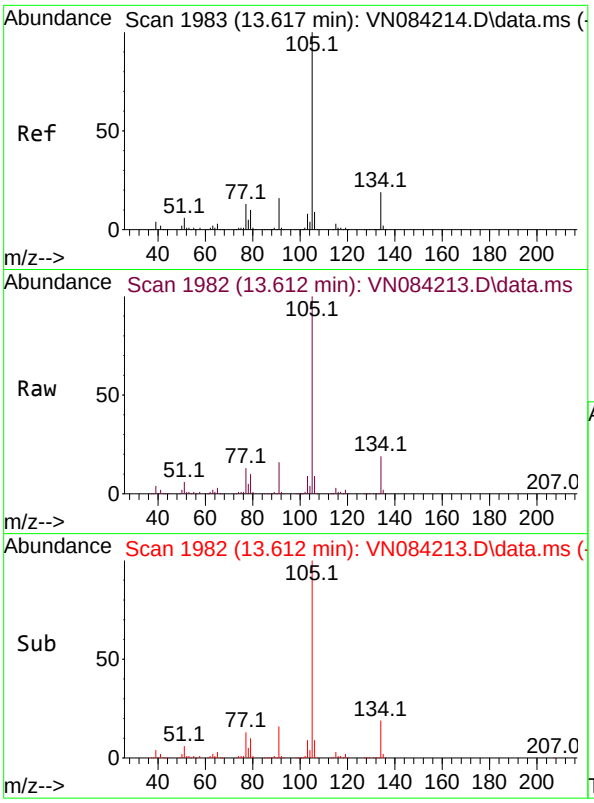


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



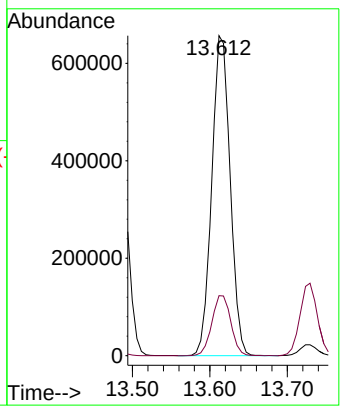


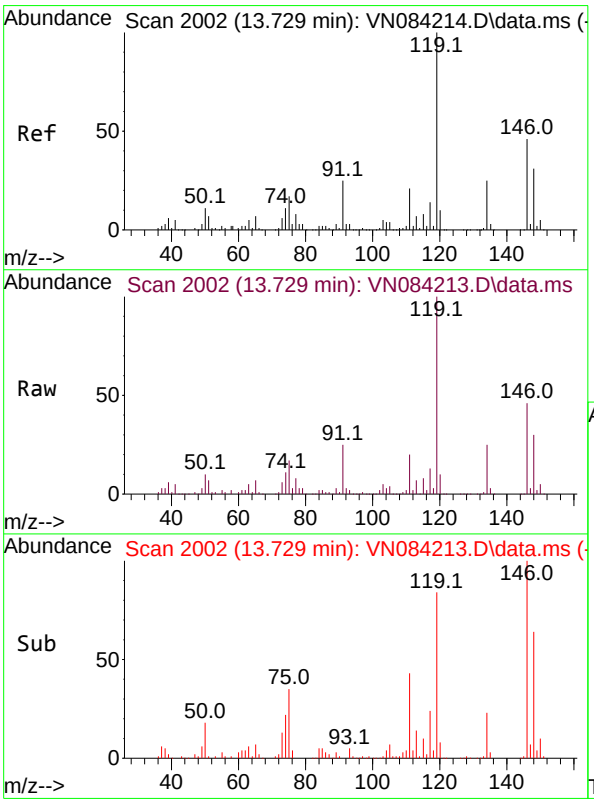
#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1082055

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

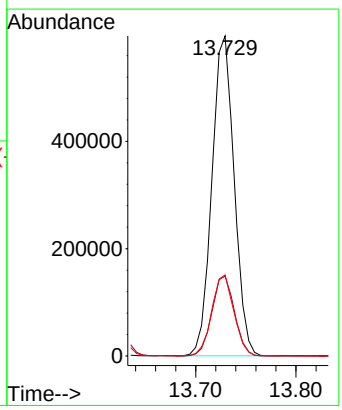


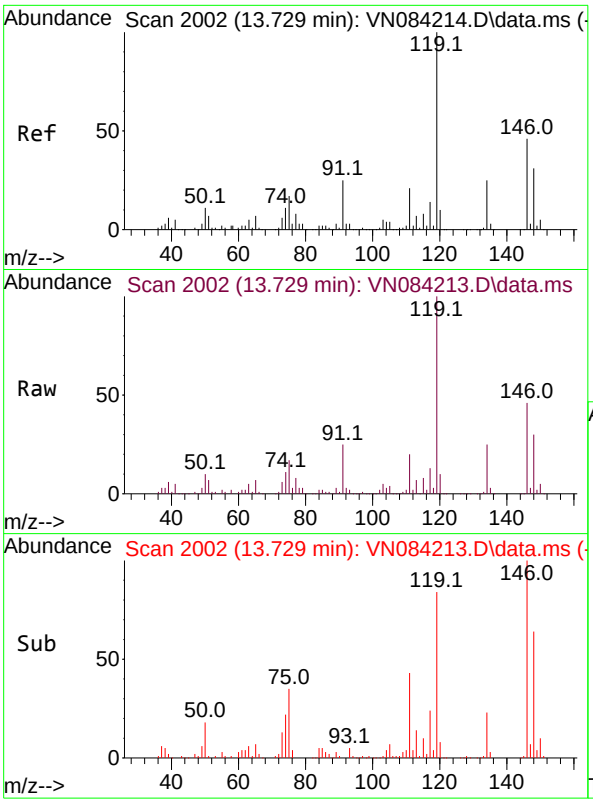


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 918730

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.4	37.2



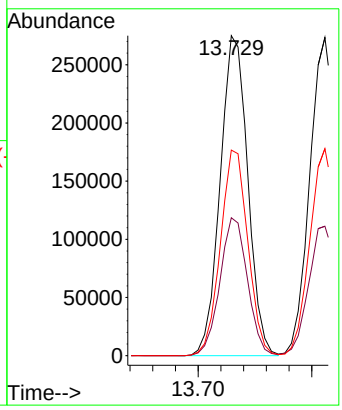


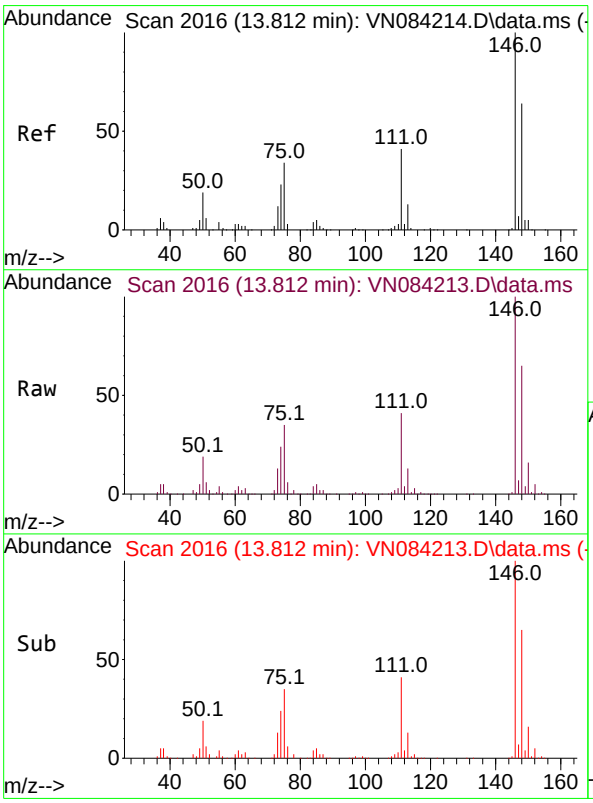
#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 463998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.9	31.9	95.7

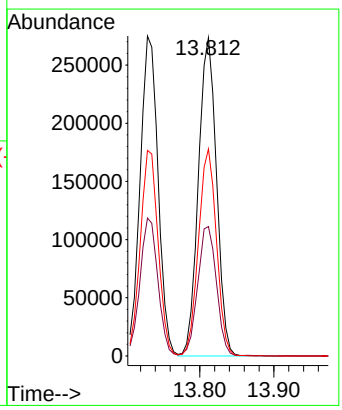


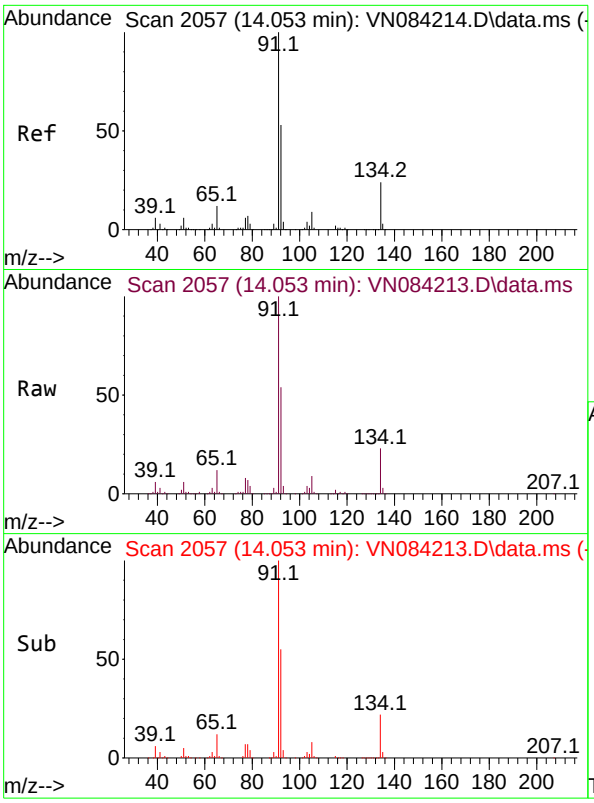


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 465087

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.4	31.9	95.9



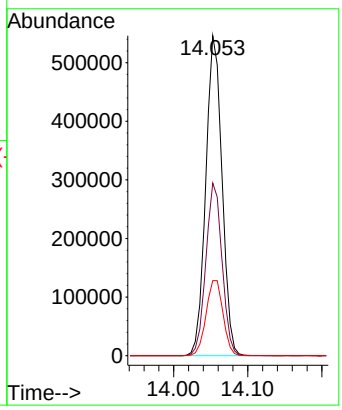


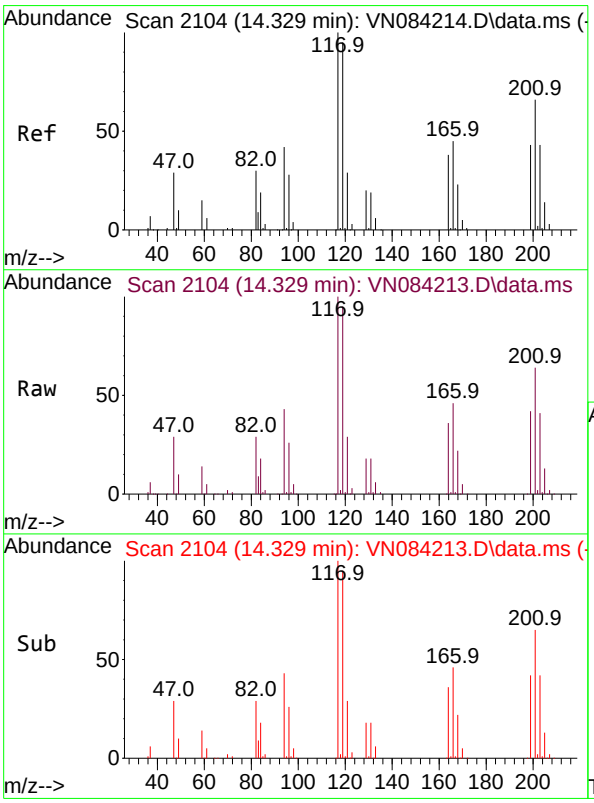
#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 832034

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.5	12.3	36.9

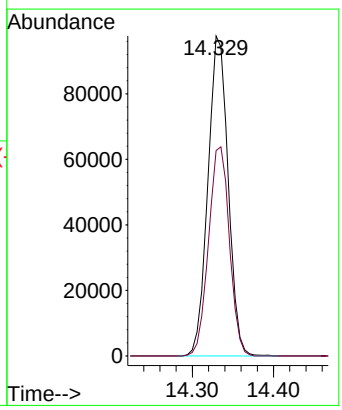


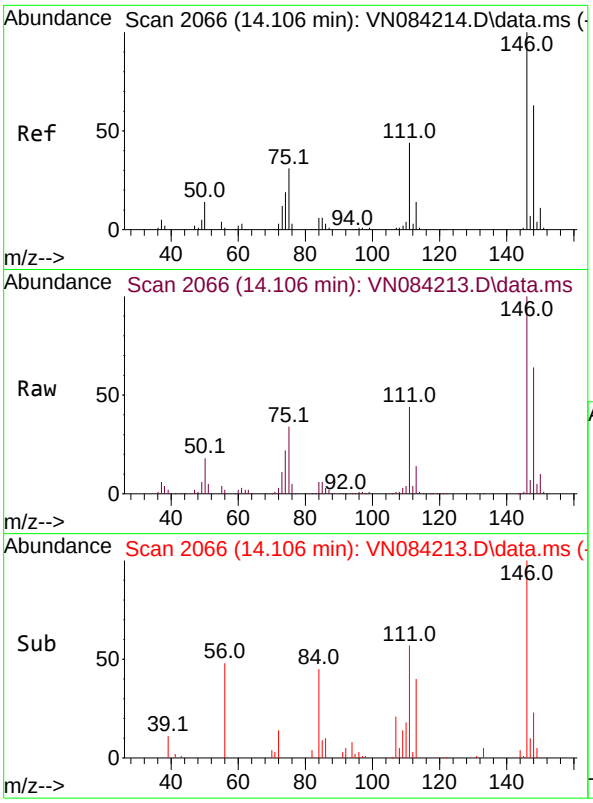


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



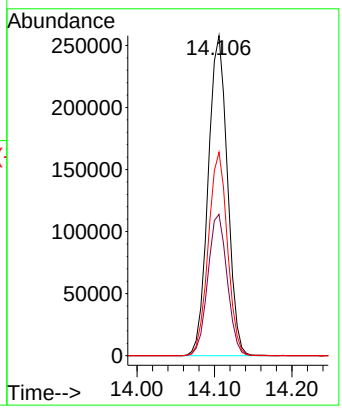


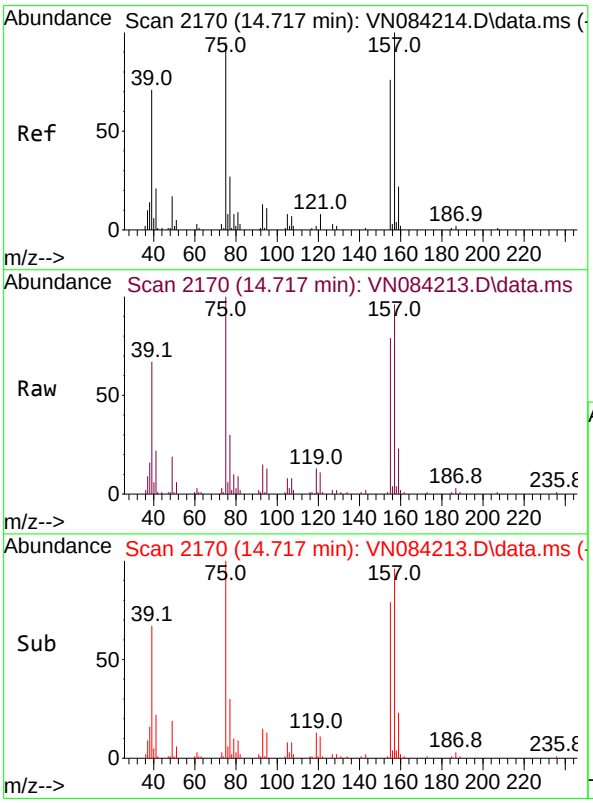
#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 444319

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.1	32.1	96.3

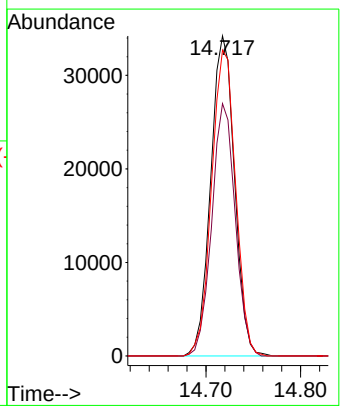


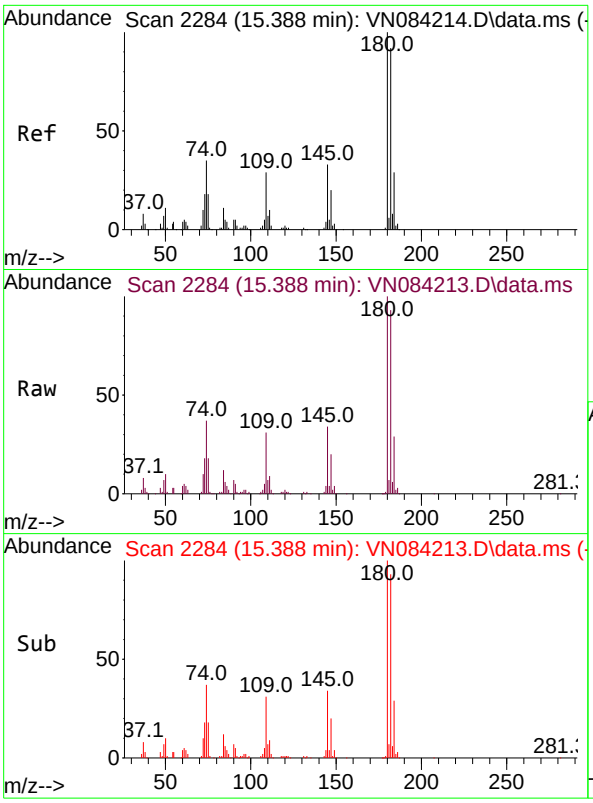


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 59837

Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.1	114.5
157	96.3	49.6	149.0



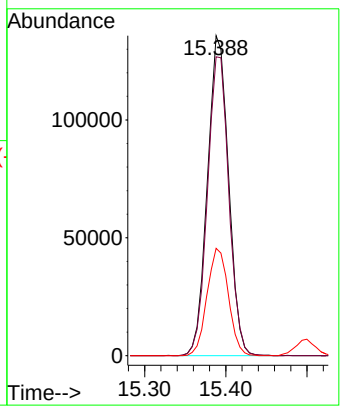


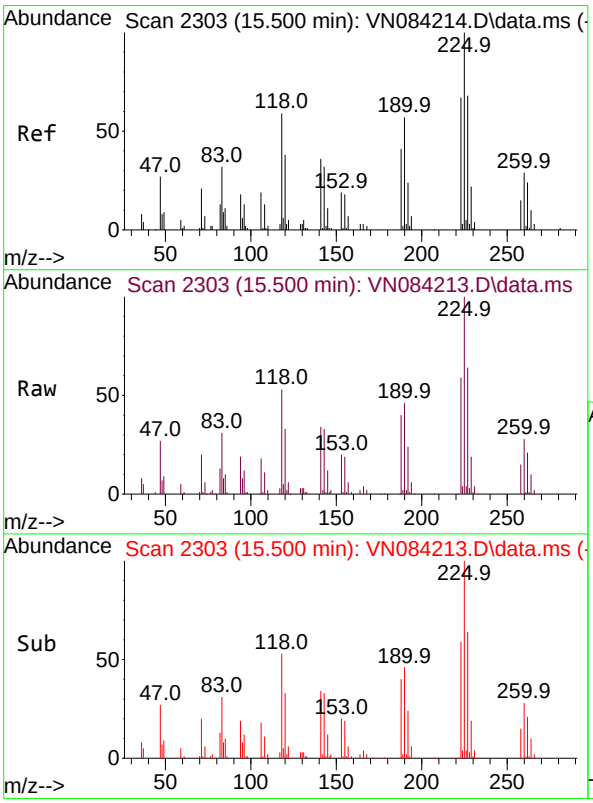
#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 245477

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	33.9	16.4	49.4

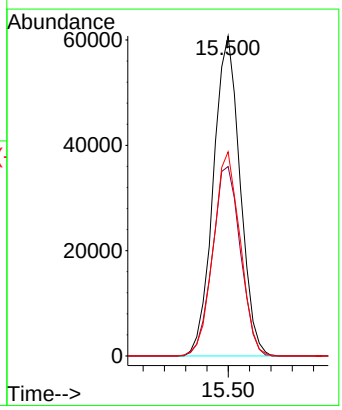


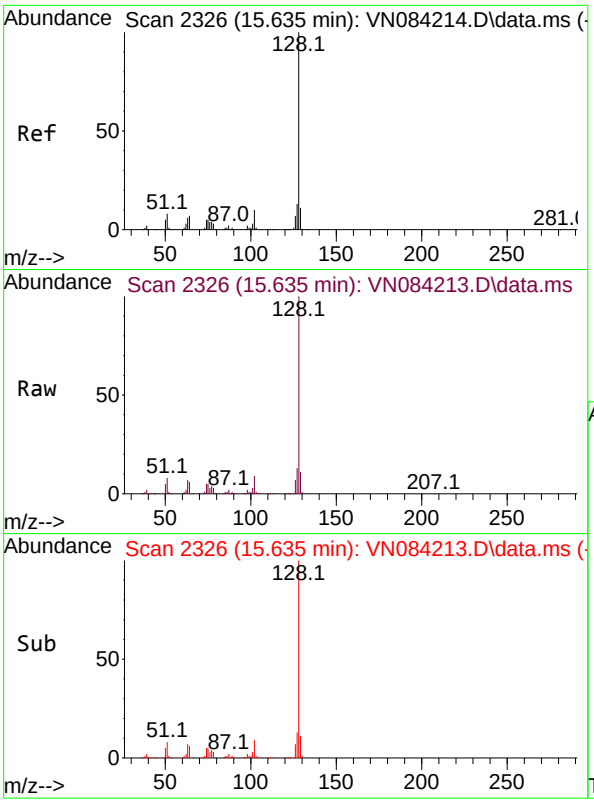


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:225 Resp: 105801

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.0	32.4	97.0



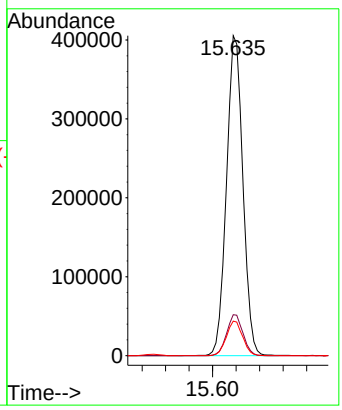


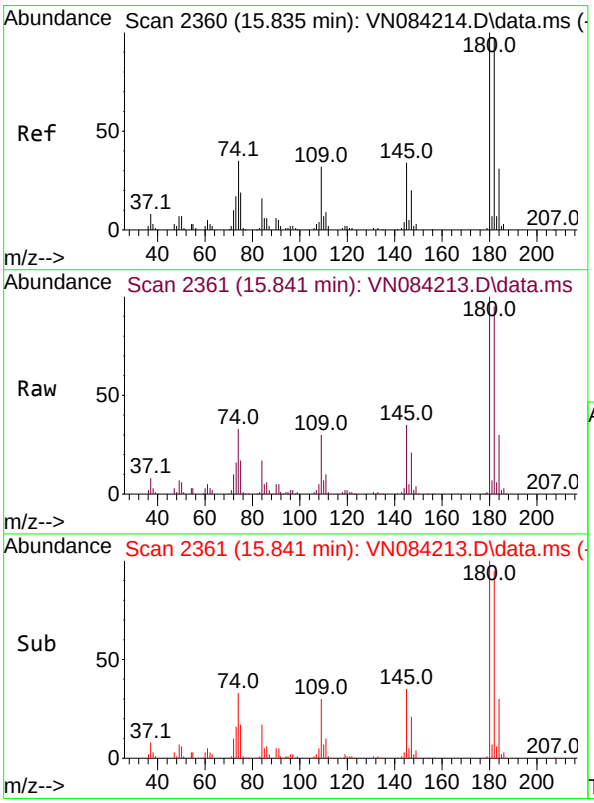
#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 784876

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

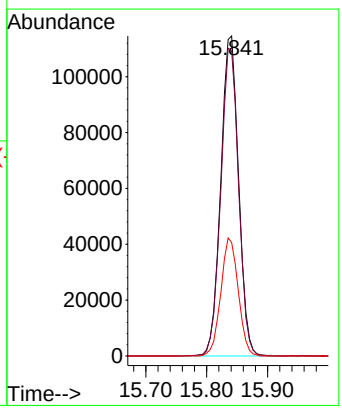




#96
1,2,3-Trichlorobenzene
Concen: 97.736 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 233126

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	35.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	175379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129300	49.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.440%			
35) Dibromofluoromethane	8.165	113	98531	49.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	10.565	98	377886	51.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.847	95	137388	51.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	107530	51.835	ug/l	100
3) Chloromethane	2.359	50	117689	49.686	ug/l	100
4) Vinyl Chloride	2.518	62	117031	51.007	ug/l	100
5) Bromomethane	2.953	94	75848	50.118	ug/l	100
6) Chloroethane	3.118	64	73440	44.693	ug/l	100
7) Trichlorofluoromethane	3.495	101	185982	52.055	ug/l	100
8) Diethyl Ether	3.959	74	68385	51.608	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103552	50.583	ug/l	100
10) Methyl Iodide	4.595	142	141310	53.600	ug/l	100
11) Tert butyl alcohol	5.524	59	107986	251.850	ug/l	100
12) 1,1-Dichloroethene	4.342	96	102934	52.128	ug/l	100
13) Acrolein	4.177	56	124940	253.821	ug/l	100
14) Allyl chloride	5.024	41	174518	50.889	ug/l	100
15) Acrylonitrile	5.718	53	277346	256.145	ug/l	100
16) Acetone	4.424	43	299515	268.132	ug/l	100
17) Carbon Disulfide	4.712	76	302183	48.335	ug/l	100
18) Methyl Acetate	5.018	43	124007	50.934	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	356478	53.487	ug/l	100
20) Methylene Chloride	5.277	84	114918	50.609	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	109048	52.711	ug/l	100
22) Diisopropyl ether	6.671	45	379516	53.501	ug/l	100
23) Vinyl Acetate	6.600	43	1444909	273.176	ug/l	100
24) 1,1-Dichloroethane	6.571	63	209222	52.742	ug/l	100
25) 2-Butanone	7.483	43	396369	260.524	ug/l	100
26) 2,2-Dichloropropane	7.488	77	189745	53.050	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	129873	51.951	ug/l	100
28) Bromochloromethane	7.812	49	86584	48.919	ug/l	100
29) Tetrahydrofuran	7.835	42	248328	264.488	ug/l	100
30) Chloroform	7.965	83	211178	51.249	ug/l	100
31) Cyclohexane	8.253	56	187282	48.624	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	193315	52.237	ug/l	100
36) 1,1-Dichloropropene	8.371	75	154855	53.172	ug/l	100
37) Ethyl Acetate	7.559	43	153024	51.216	ug/l	100
38) Carbon Tetrachloride	8.359	117	167086	52.301	ug/l	100
39) Methylcyclohexane	9.600	83	177433	54.741	ug/l	100
40) Benzene	8.606	78	472170	52.037	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	87365	53.861	ug/l		100
42) 1,2-Dichloroethane	8.671	62	160606	52.210	ug/l		100
43) Isopropyl Acetate	8.688	43	272992	46.667	ug/l		100
44) Trichloroethene	9.347	130	110119	51.961	ug/l		100
45) 1,2-Dichloropropane	9.618	63	114143	53.176	ug/l		100
46) Dibromomethane	9.706	93	79007	54.542	ug/l		100
47) Bromodichloromethane	9.888	83	169263	52.595	ug/l		100
48) Methyl methacrylate	9.677	41	127042	54.534	ug/l		100
49) 1,4-Dioxane	9.694	88	44512	1037.858	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	772927	271.750	ug/l		100
52) Toluene	10.629	92	295099	53.332	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	179453	54.703	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	193952	54.966	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	106288	53.583	ug/l		100
56) Ethyl methacrylate	10.871	69	183059	56.085	ug/l		100
57) 1,3-Dichloropropane	11.159	76	187372	52.864	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	426364	281.593	ug/l		100
59) 2-Hexanone	11.194	43	588361	276.767	ug/l		100
60) Dibromochloromethane	11.359	129	126992	54.184	ug/l		100
61) 1,2-Dibromoethane	11.465	107	108817	52.794	ug/l		100
64) Tetrachloroethene	11.100	164	94966	51.486	ug/l		100
65) Chlorobenzene	11.888	112	309849	52.770	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	106981	52.897	ug/l		100
67) Ethyl Benzene	11.959	91	561770	54.100	ug/l		100
68) m/p-Xylenes	12.071	106	427131	111.201	ug/l		100
69) o-Xylene	12.394	106	204854	56.370	ug/l		100
70) Styrene	12.412	104	347383	56.434	ug/l		100
71) Bromoform	12.576	173	83487	56.070	ug/l	#	100
73) Isopropylbenzene	12.694	105	527625	54.145	ug/l		100
74) N-amyl acetate	12.494	43	237131	53.738	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	151079	51.560	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	203575	79.983	ug/l		62
77) Bromobenzene	12.982	156	120918	51.442	ug/l		100
78) n-propylbenzene	13.035	91	626503	55.490	ug/l		100
79) 2-Chlorotoluene	13.123	91	384795	53.411	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	445807	56.084	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57572	52.943	ug/l		100
82) 4-Chlorotoluene	13.217	91	386854	53.341	ug/l		100
83) tert-Butylbenzene	13.435	119	386532	54.711	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	449720	56.161	ug/l		100
85) sec-Butylbenzene	13.617	105	529076	56.119	ug/l		100
86) p-Isopropyltoluene	13.729	119	448148	57.485	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	228219	51.755	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	227835	51.163	ug/l		100
89) n-Butylbenzene	14.053	91	394831	55.854	ug/l		100
90) Hexachloroethane	14.329	117	81626	51.582	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	218378	50.506	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30379	50.241	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	119164	55.953	ug/l		100
94) Hexachlorobutadiene	15.500	225	50680	47.718	ug/l		100
95) Naphthalene	15.635	128	393177	55.688	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	114483	53.701	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

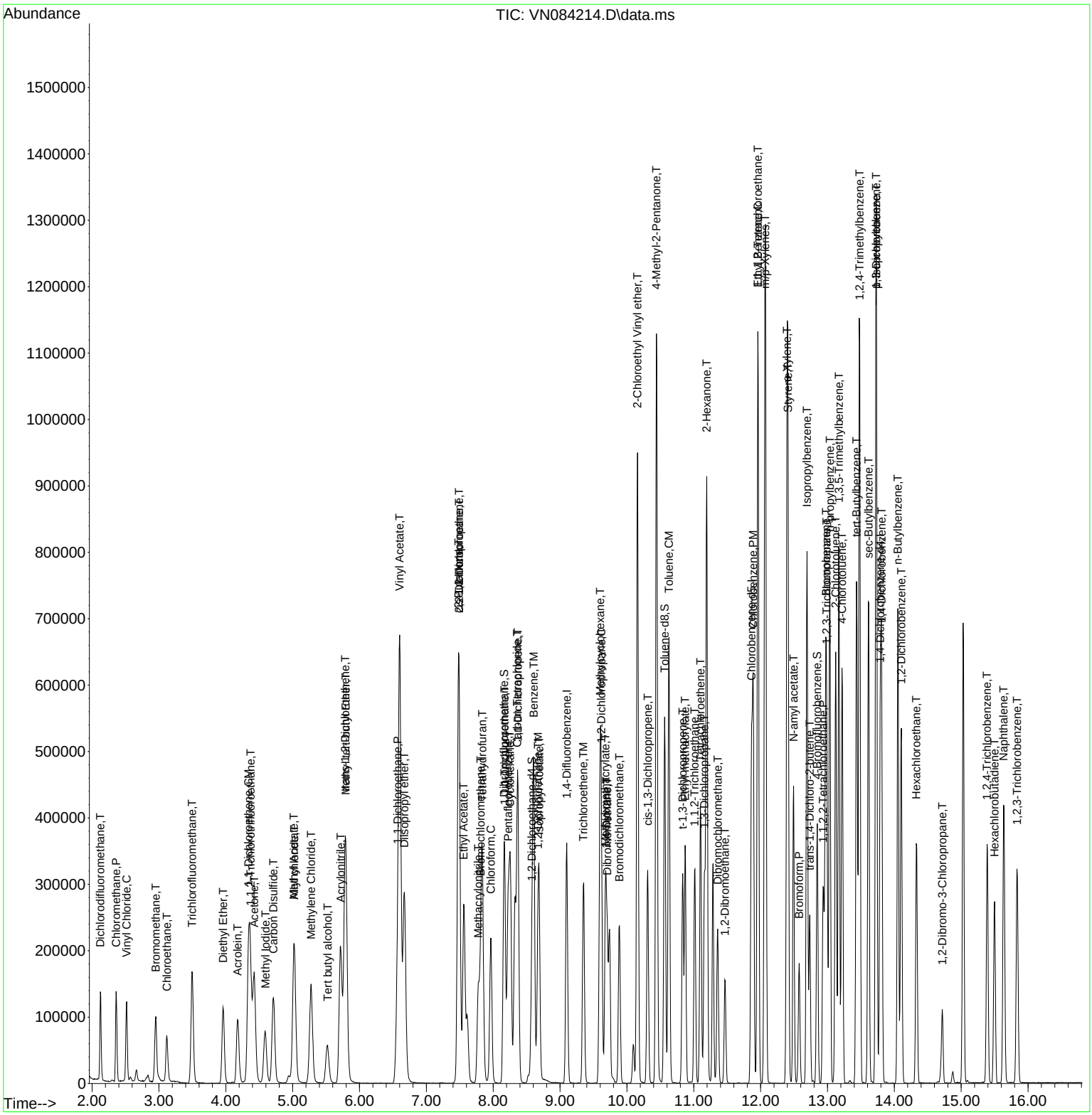
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

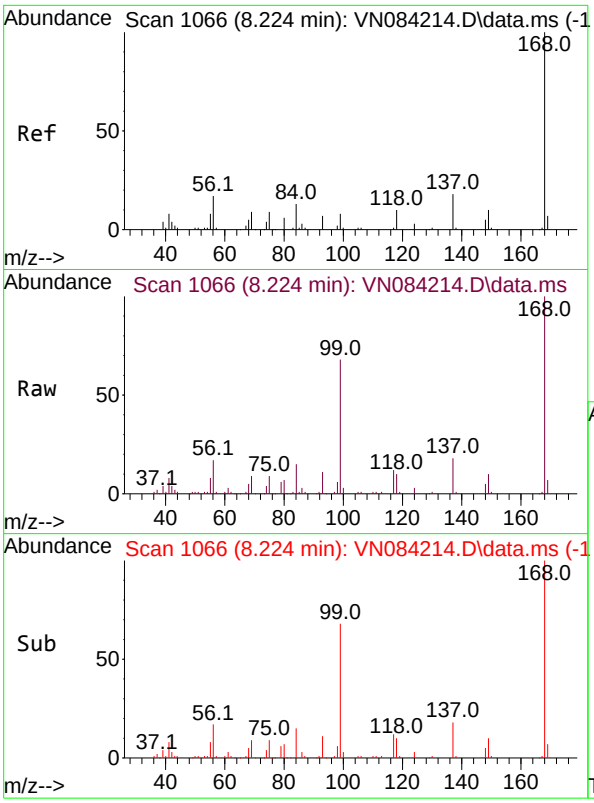
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



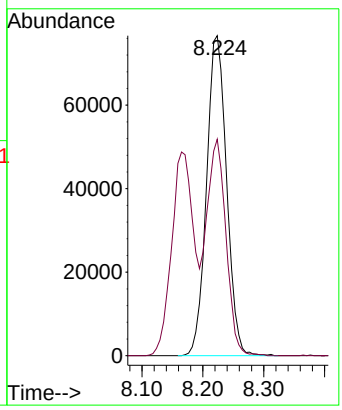


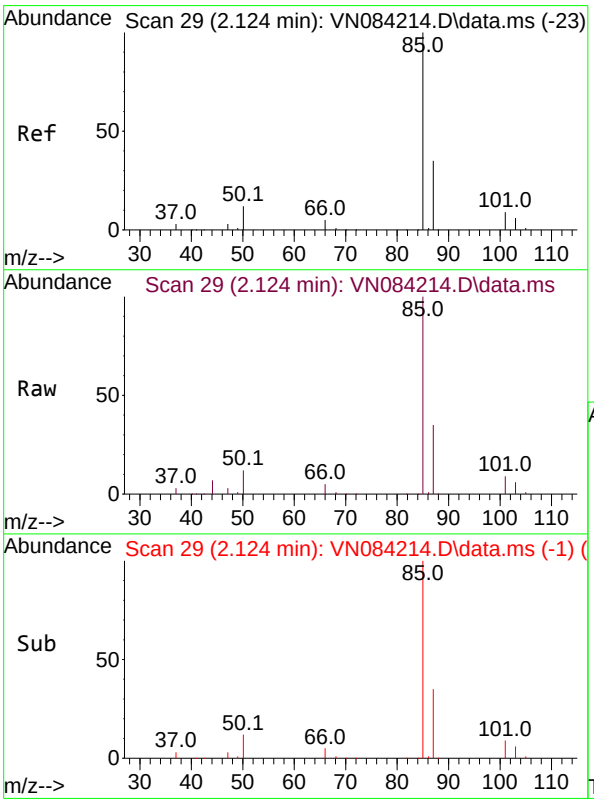
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 175379

Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2

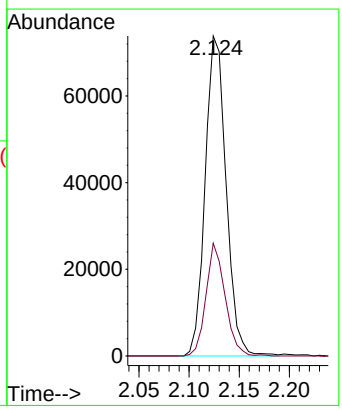


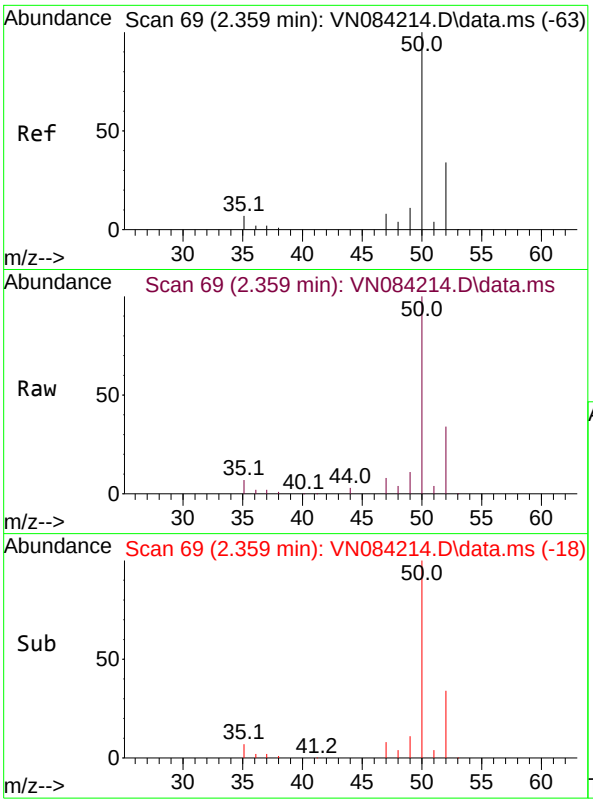


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9



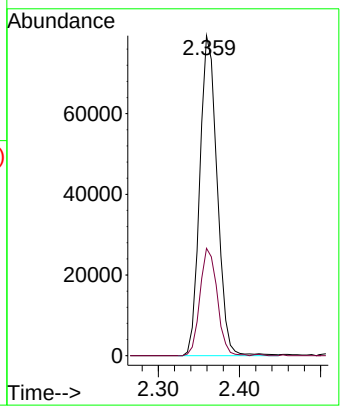


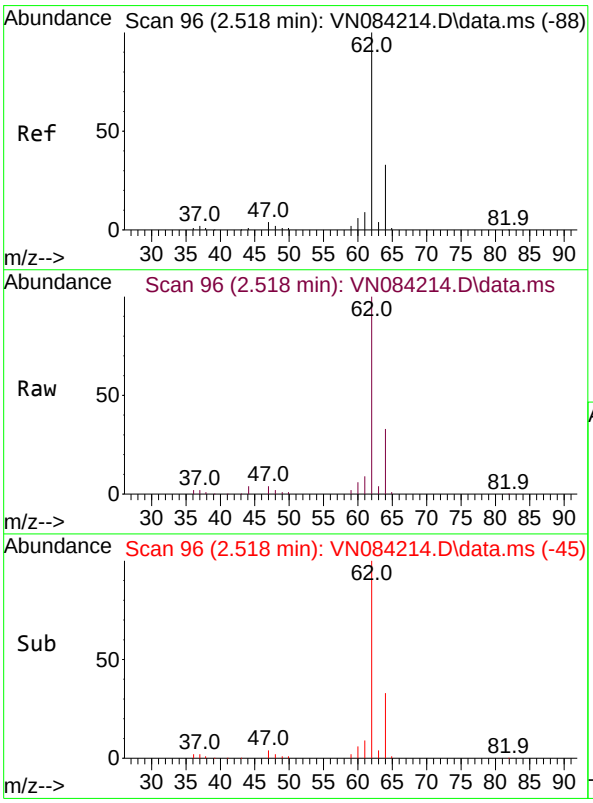
#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 117689

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

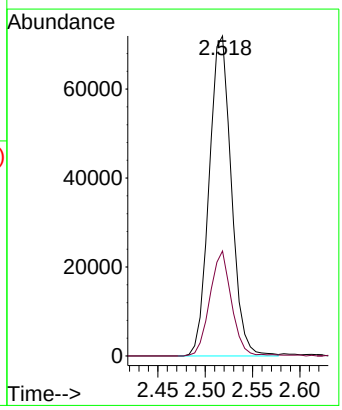


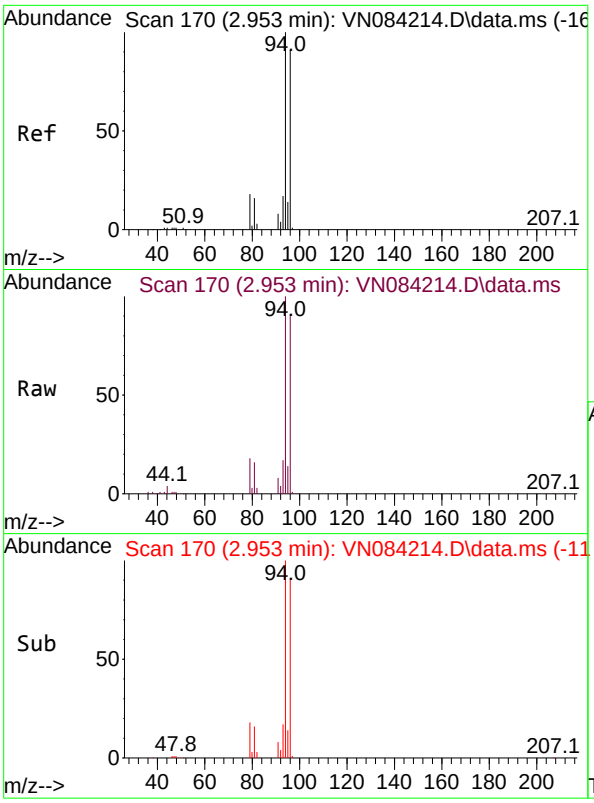


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



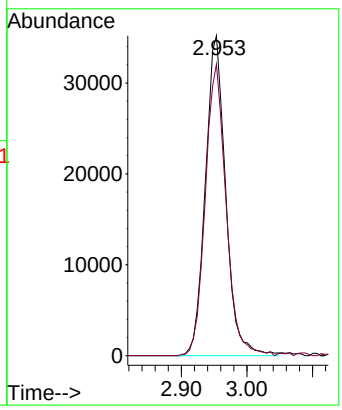


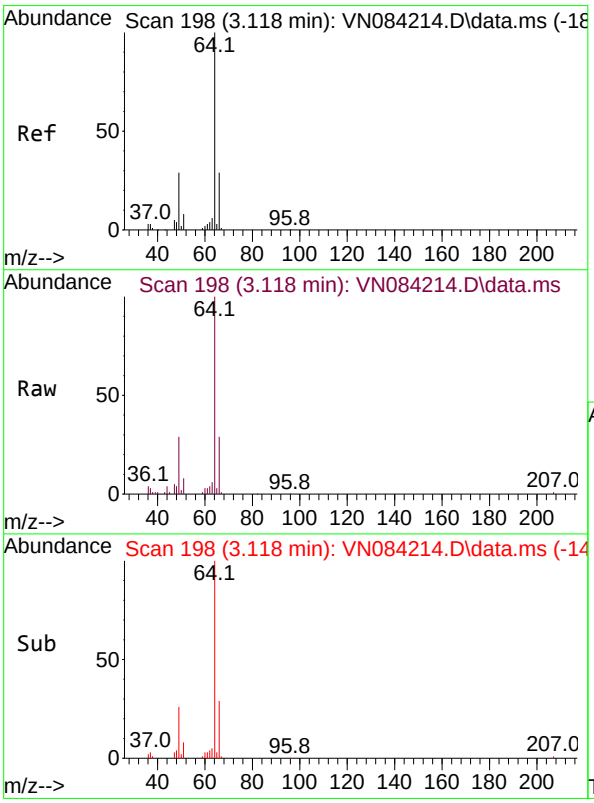
#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 75848

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3

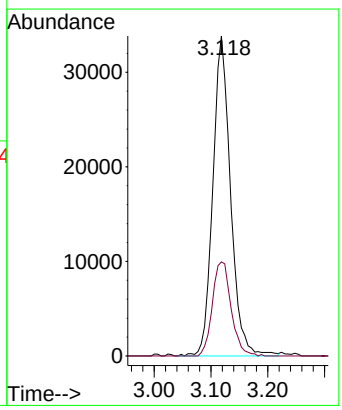


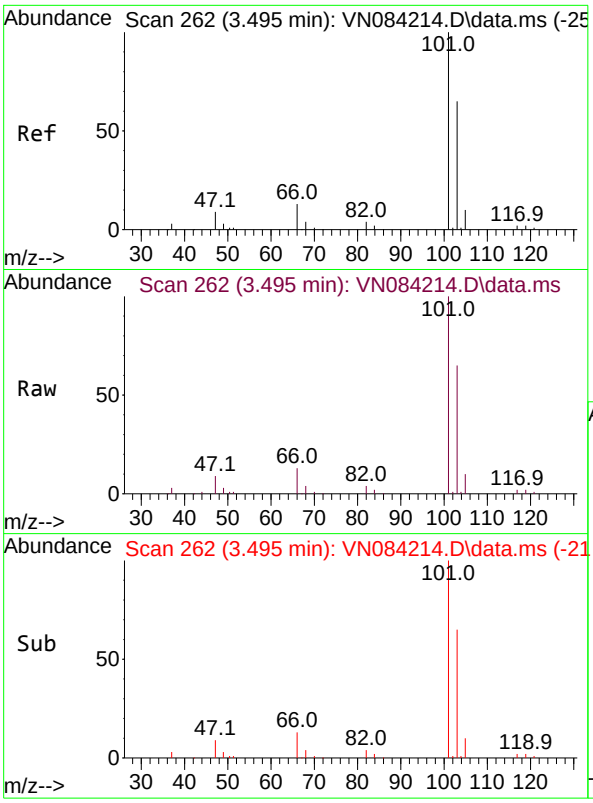


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3



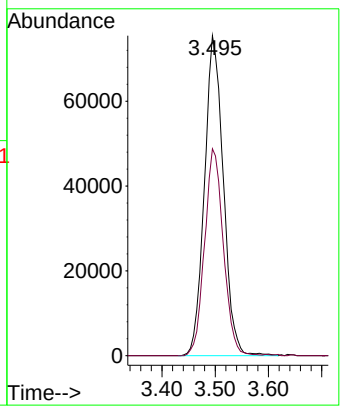


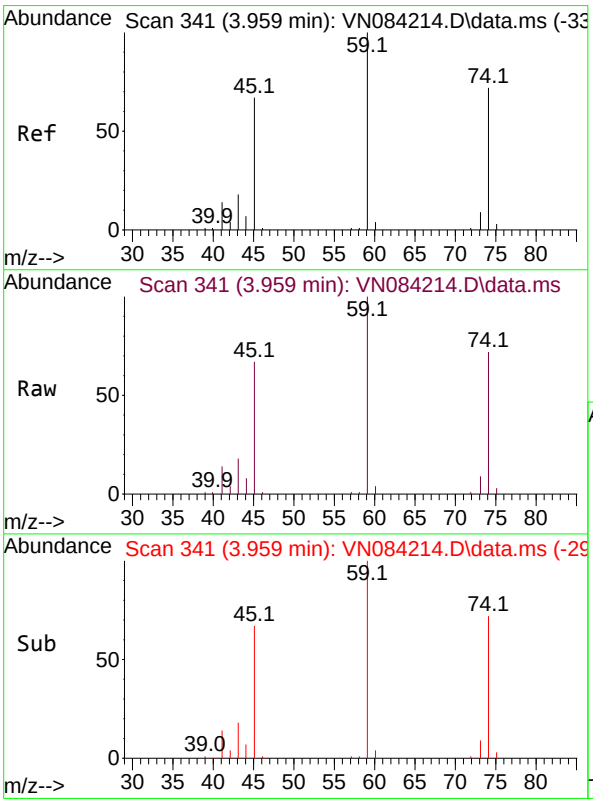
#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 185982

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

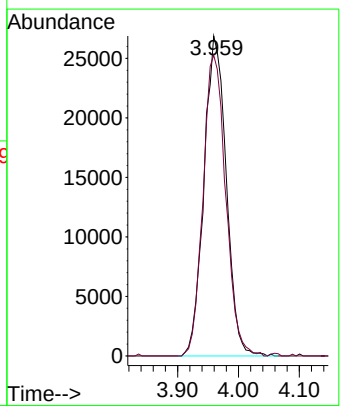


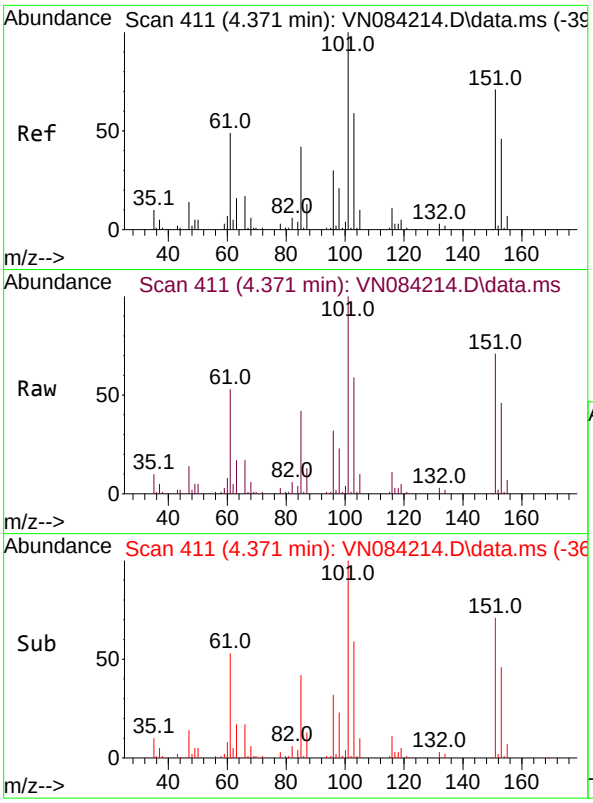


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1



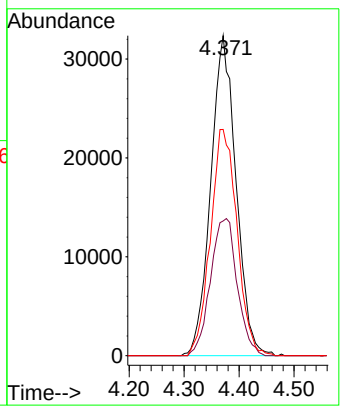


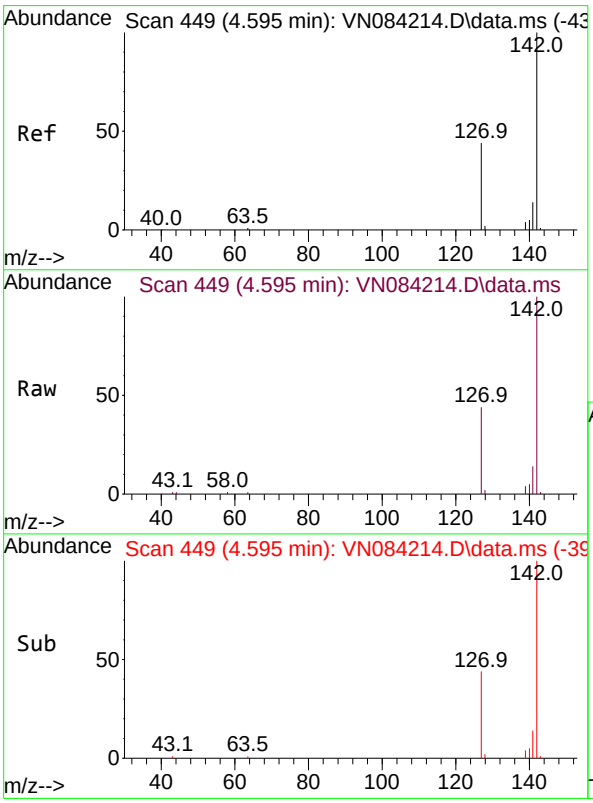
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103552

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	74.1	59.3	88.9

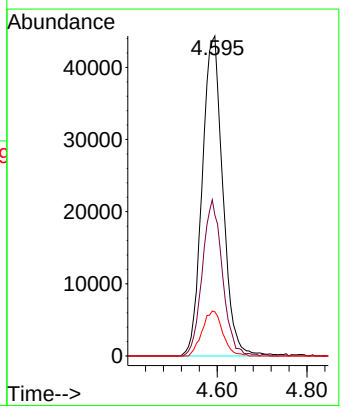


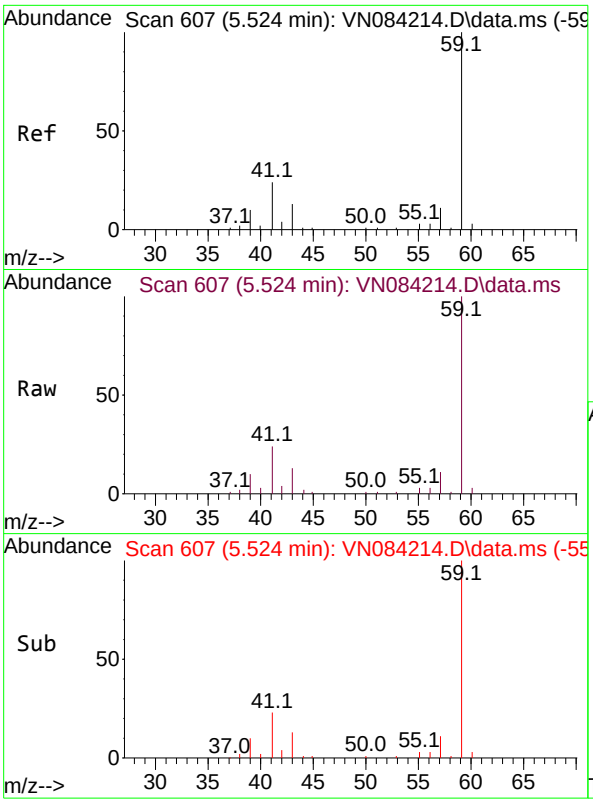


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:142 Resp: 141310

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.3	52.9
141	13.8	11.0	16.6



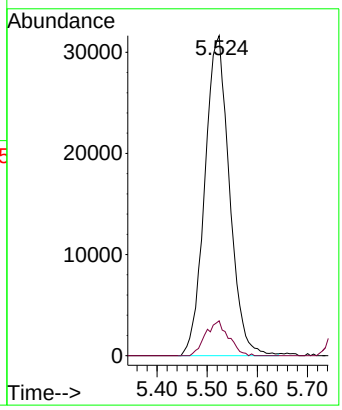


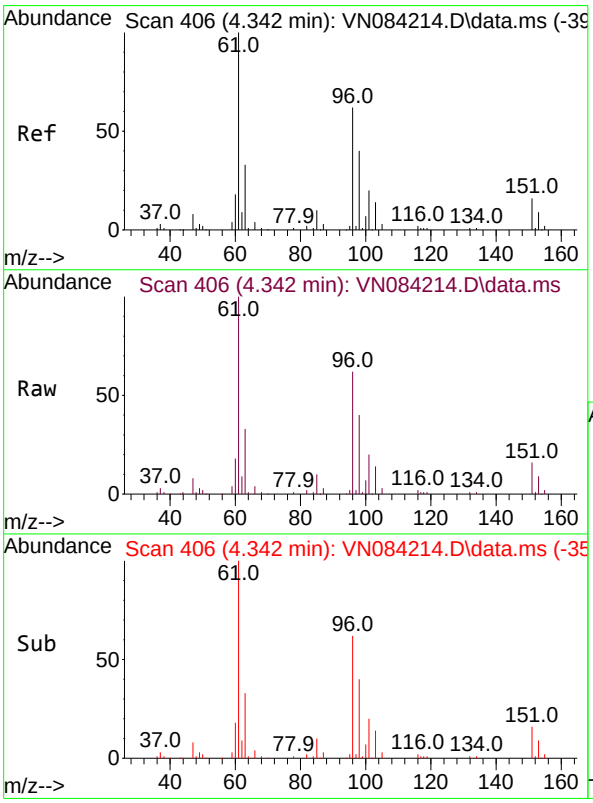
#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 107986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

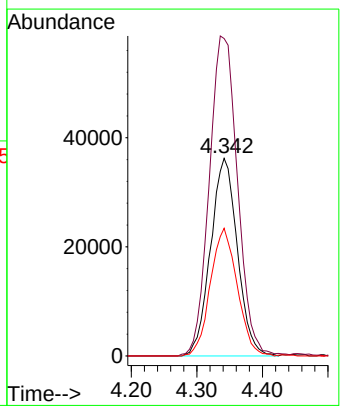


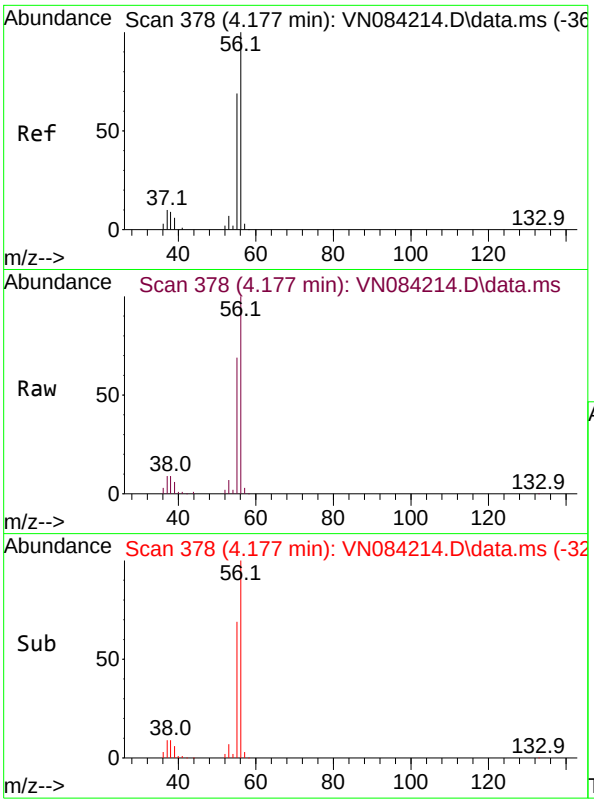


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 102934

Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.6	192.8
98	64.6	51.7	77.5



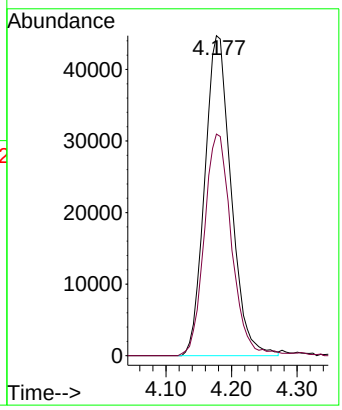


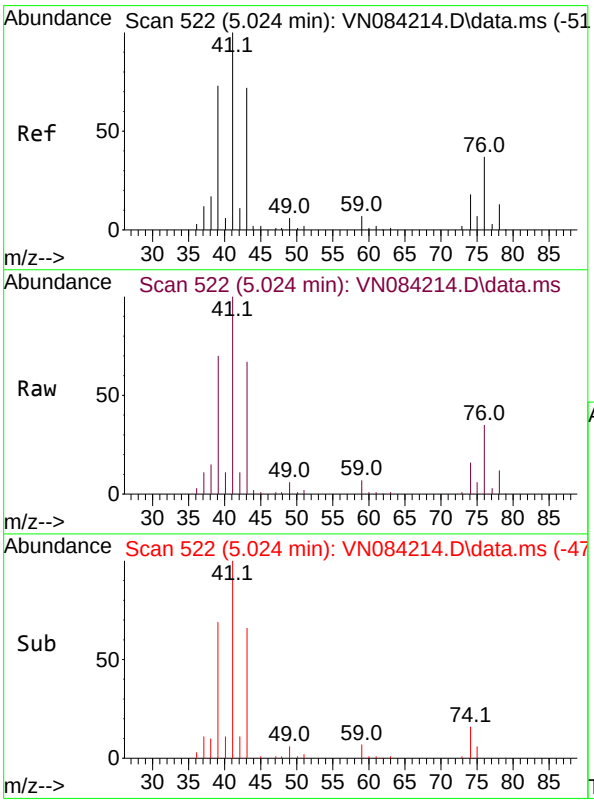
#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 124940

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

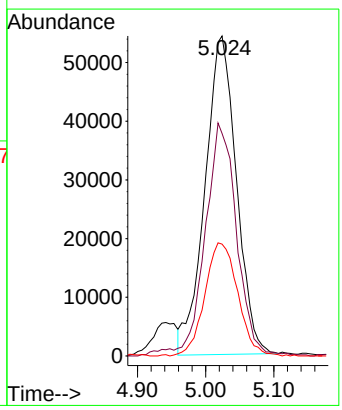


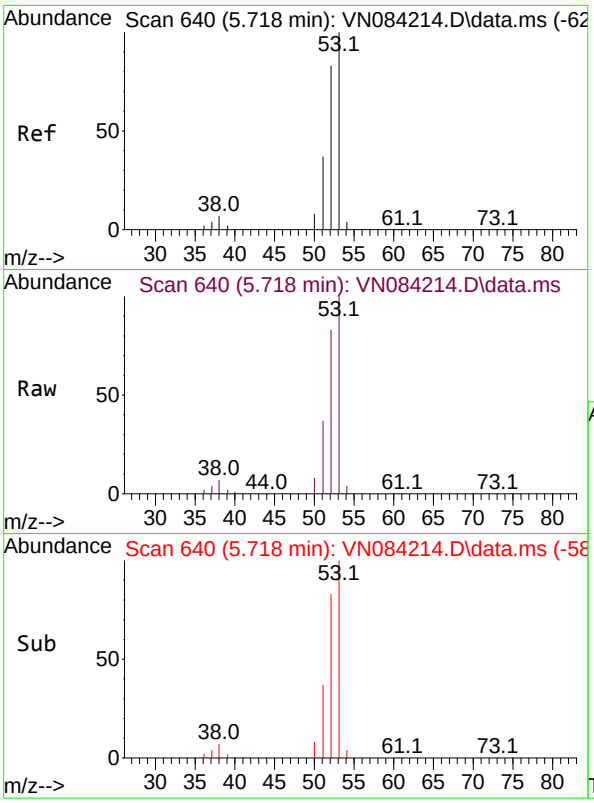


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 174518

Ion	Ratio	Lower	Upper
41	100		
39	73.8	59.0	88.6
76	37.2	29.8	44.6



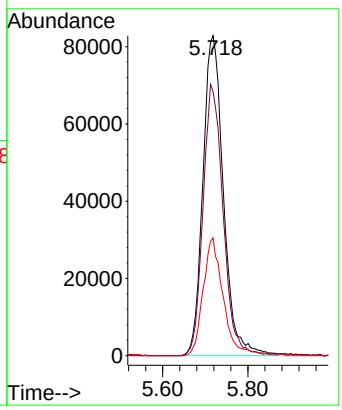


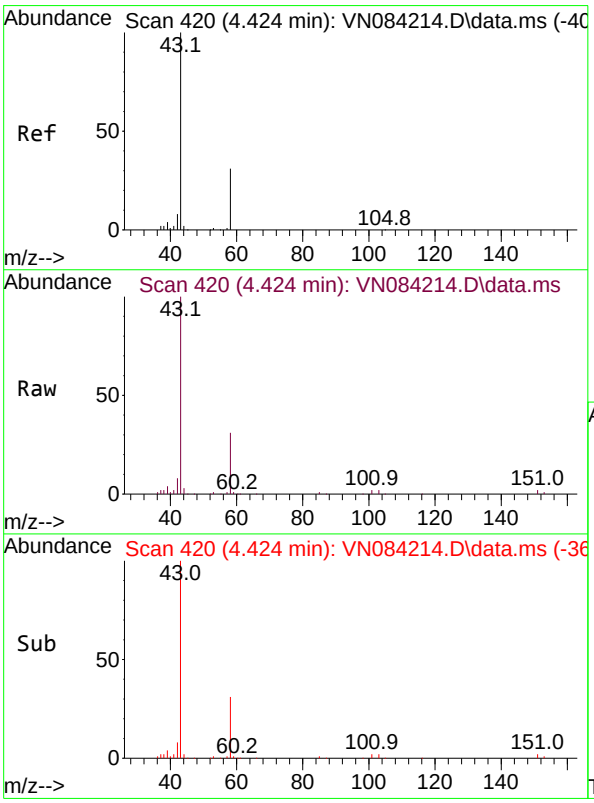
#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 277346

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.0	28.8	43.2

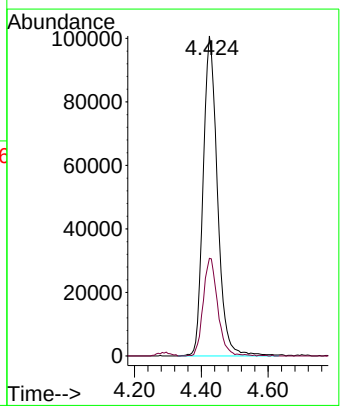


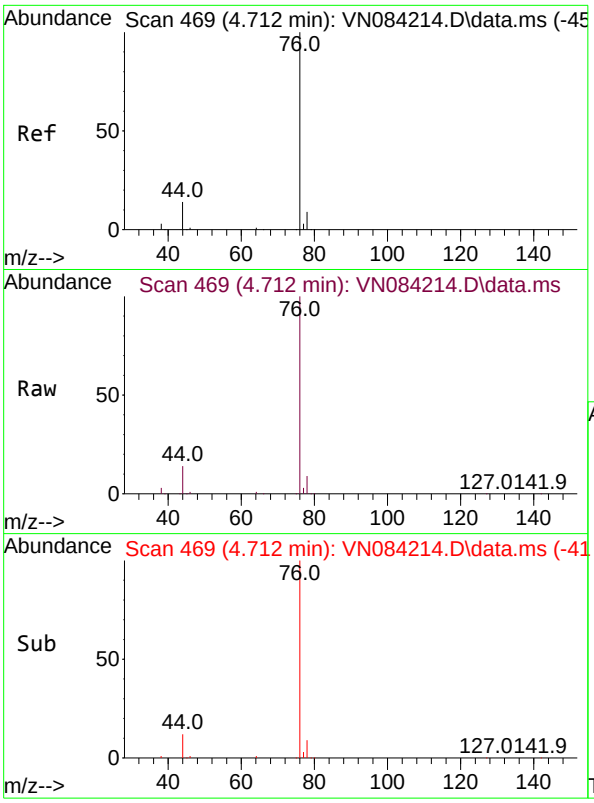


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6



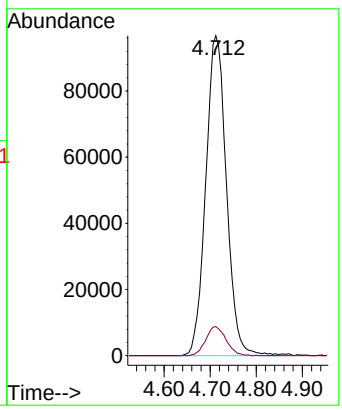


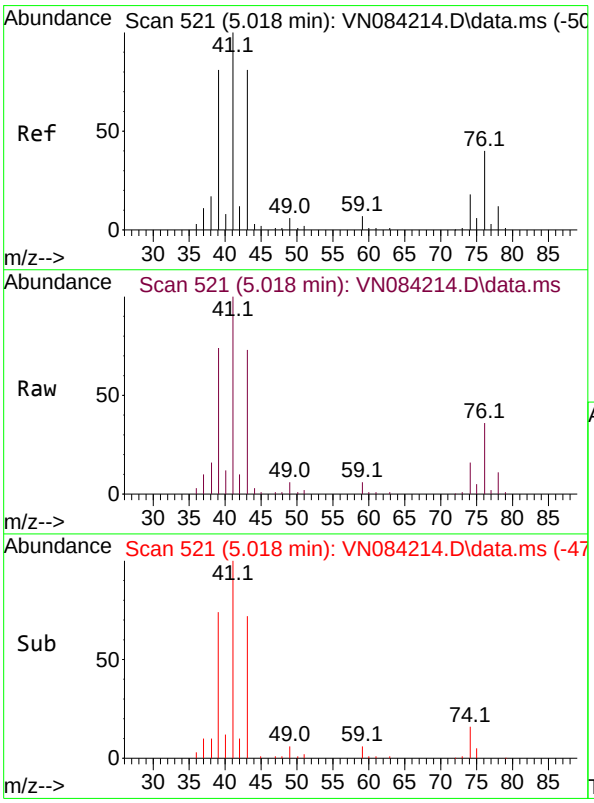
#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 302183

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

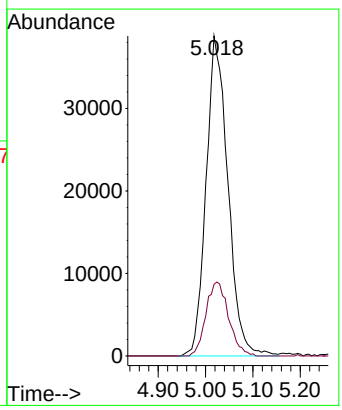


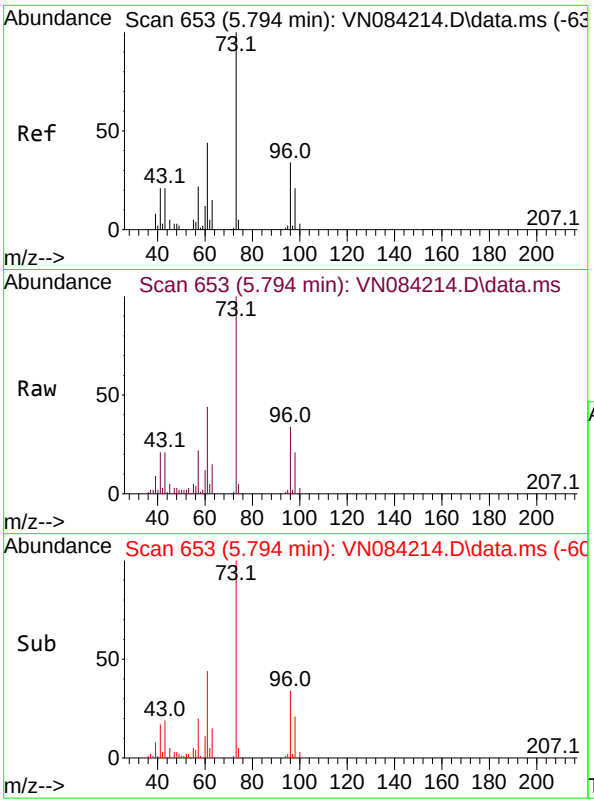


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



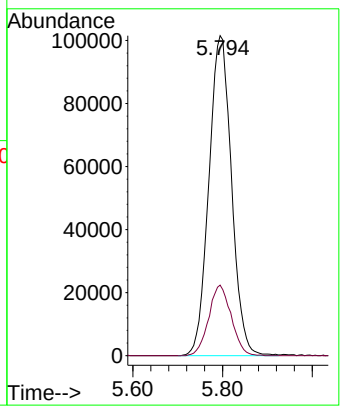


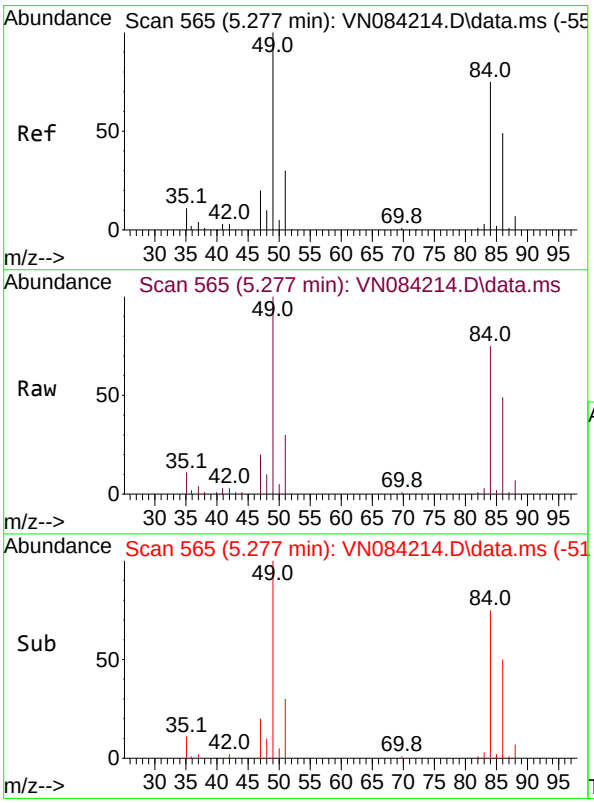
#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 356478

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

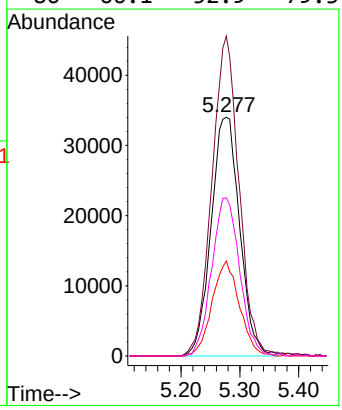


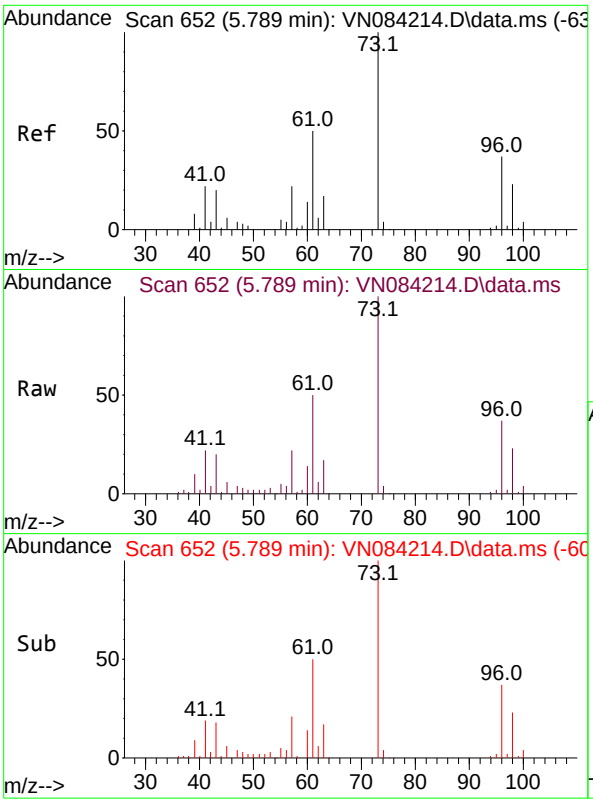


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 84 Resp: 114918

Ion	Ratio	Lower	Upper
84	100		
49	134.0	107.2	160.8
51	39.8	31.8	47.8
86	66.1	52.9	79.3



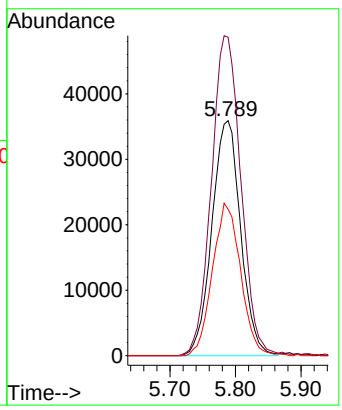


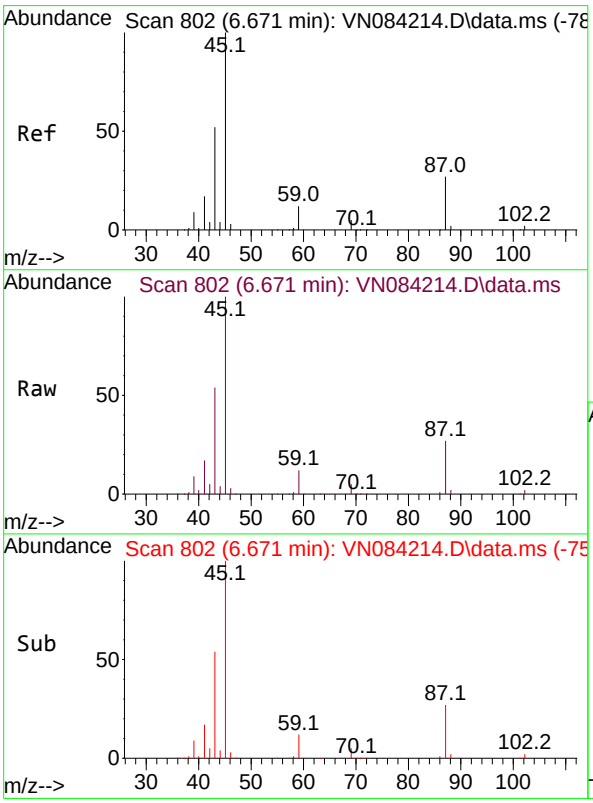
#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 109048

Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	62.3	49.8	74.8

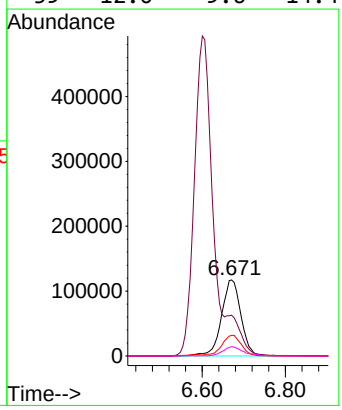


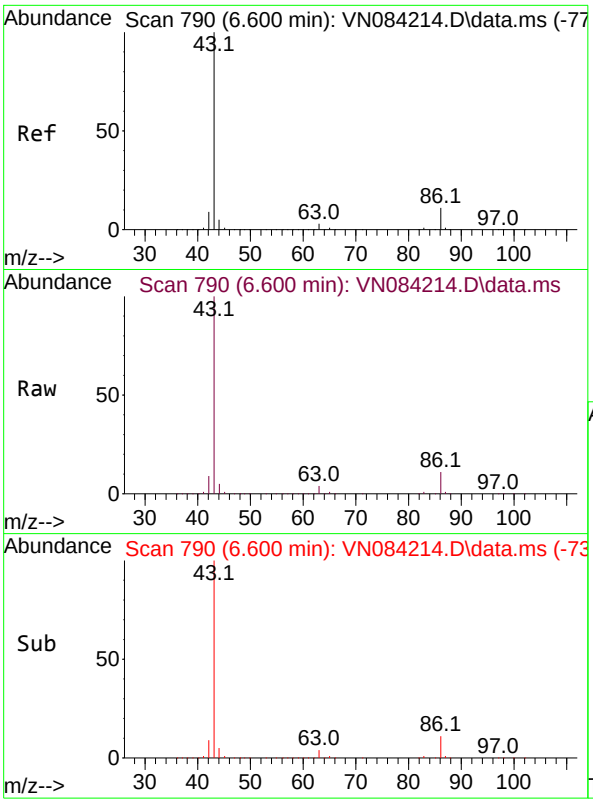


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 45 Resp: 379516

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	27.2	21.8	32.6
59	12.0	9.6	14.4



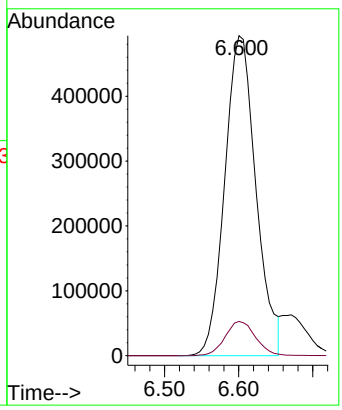


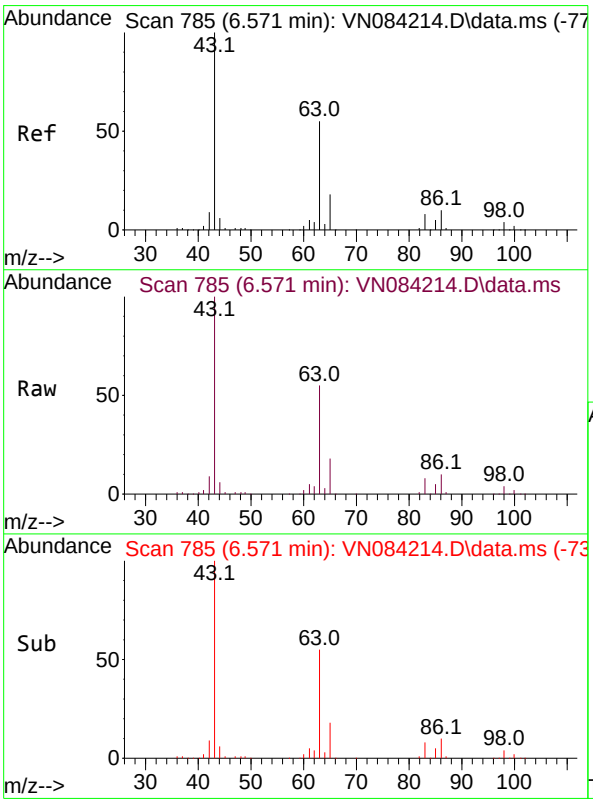
#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1444909

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

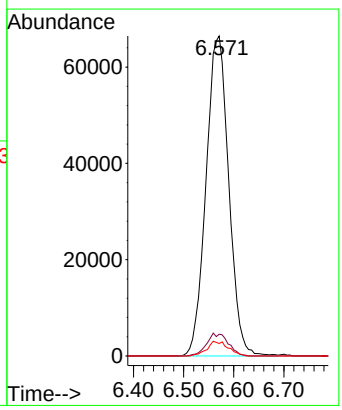


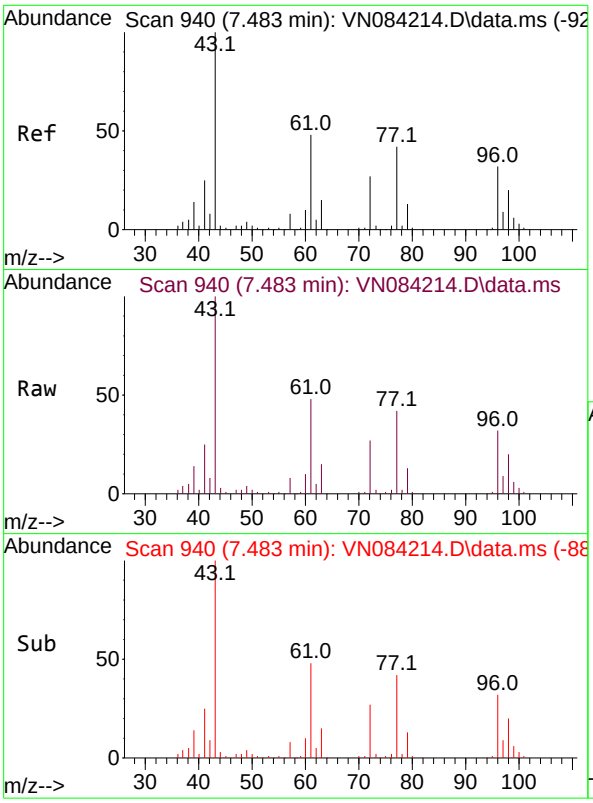


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 209222

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	3.9	2.0	5.8



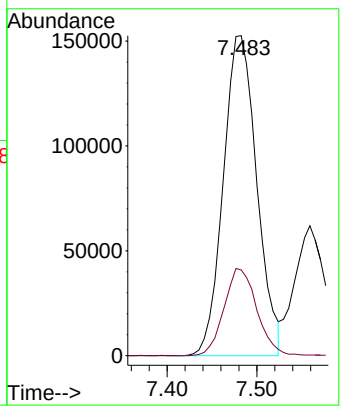


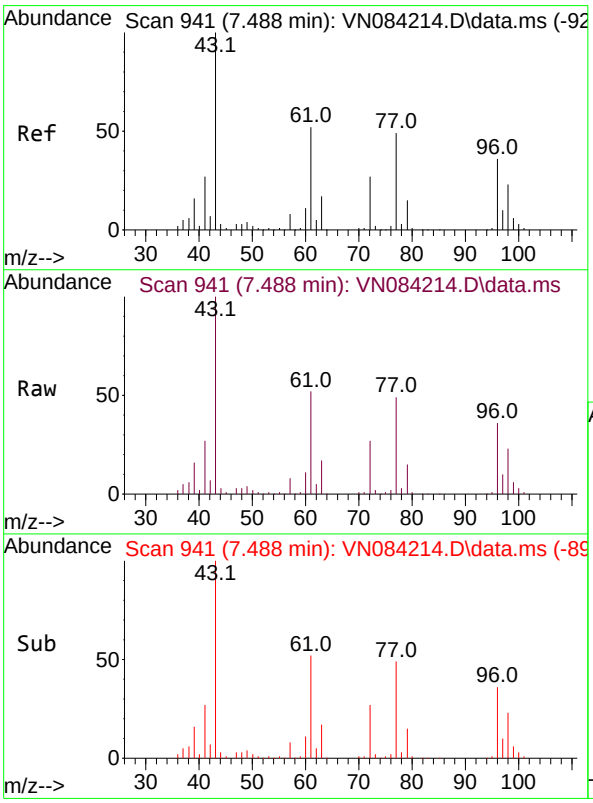
#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 396369

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

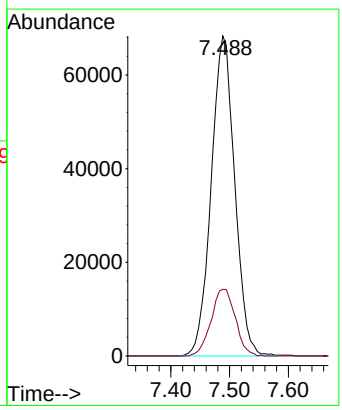


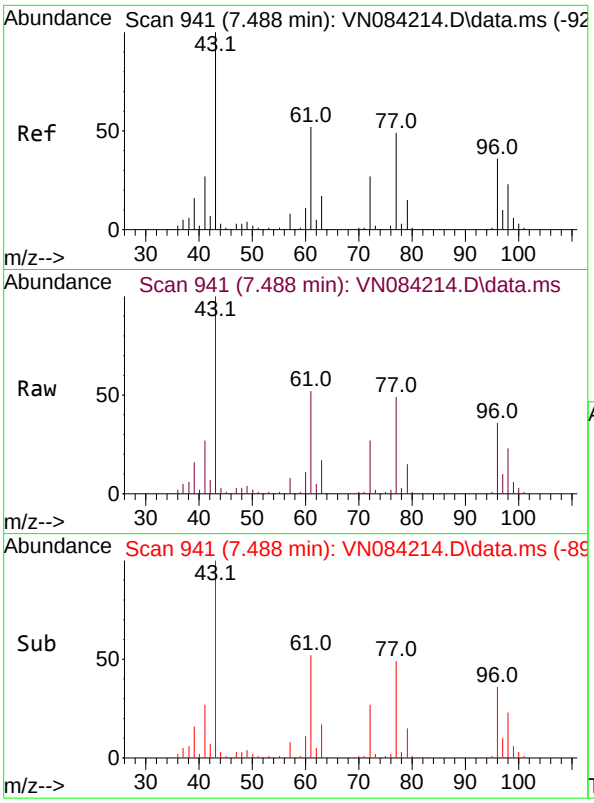


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



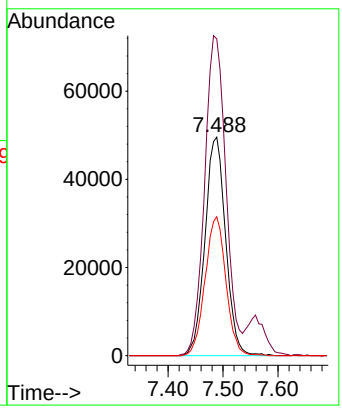


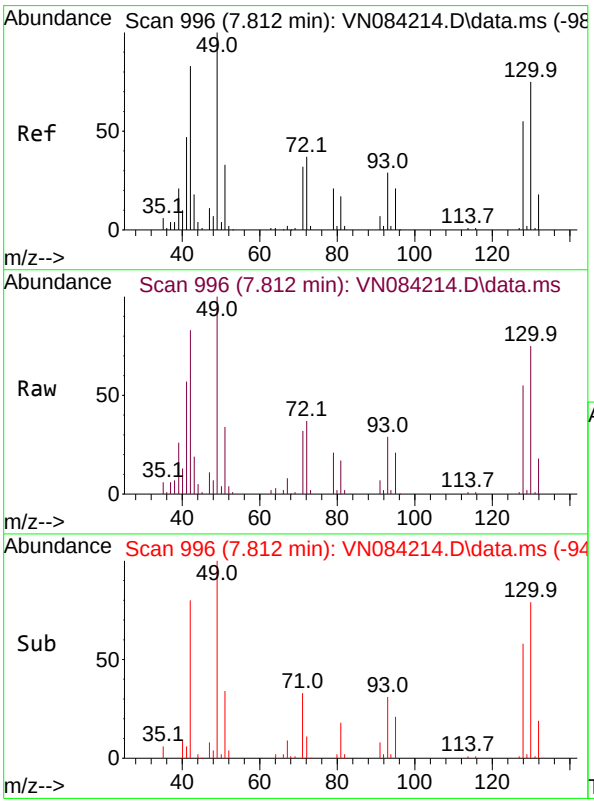
#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 129873

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	301.8
98	64.1	0.0	128.2

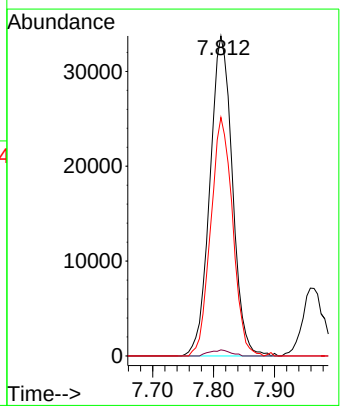


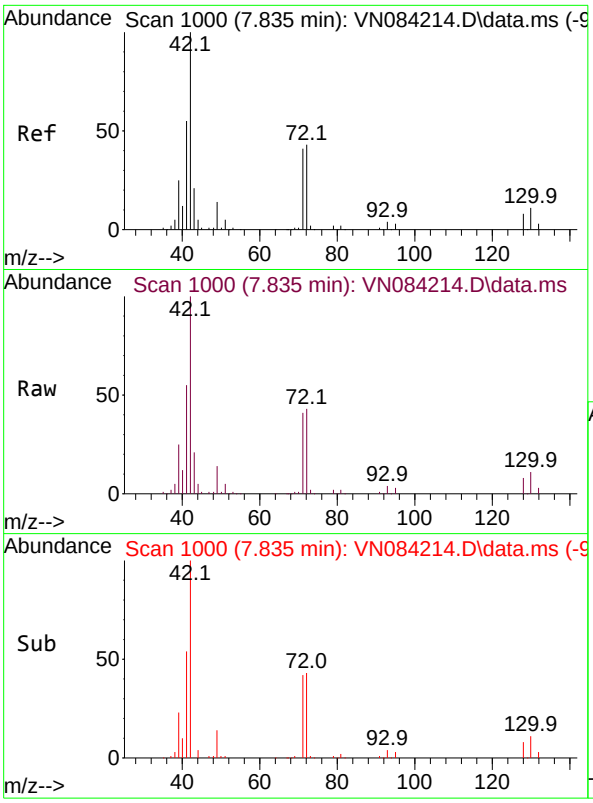


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 49 Resp: 86584

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.5	58.0	87.0



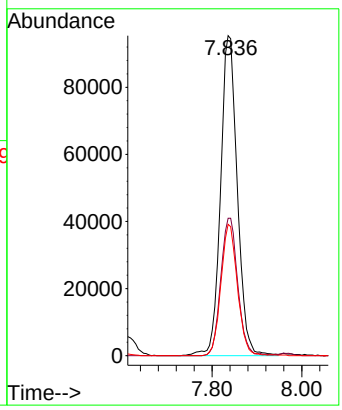


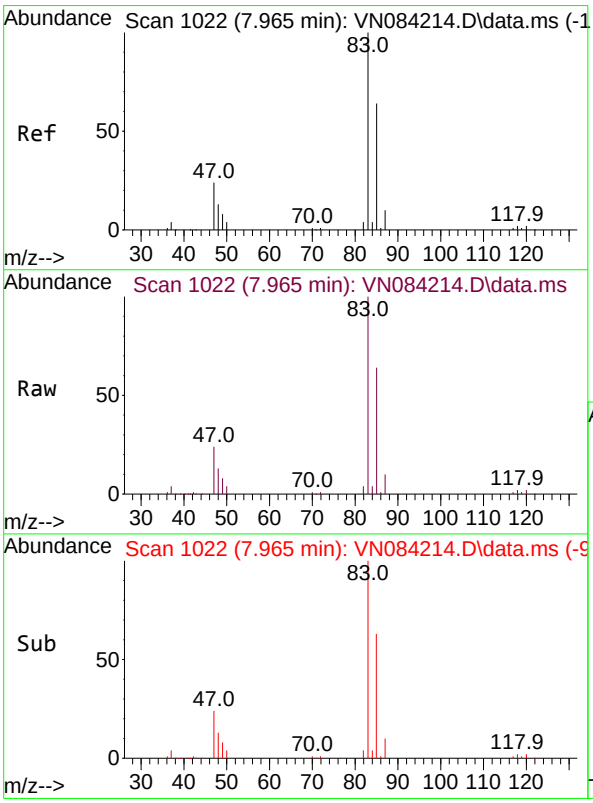
#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 248328

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	40.3	32.2	48.4

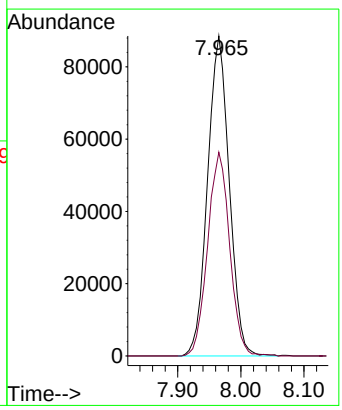


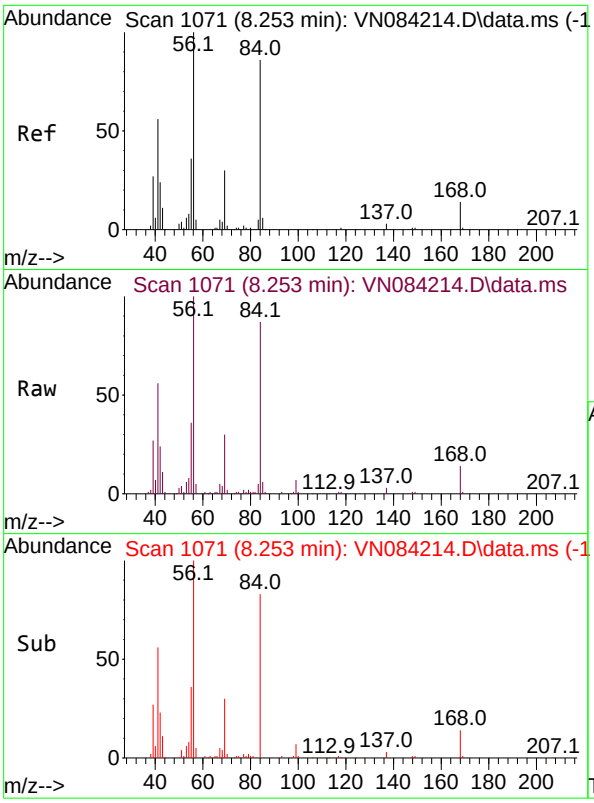


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4



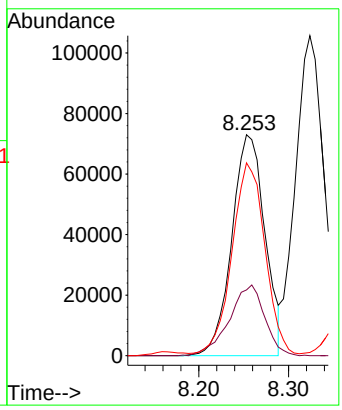


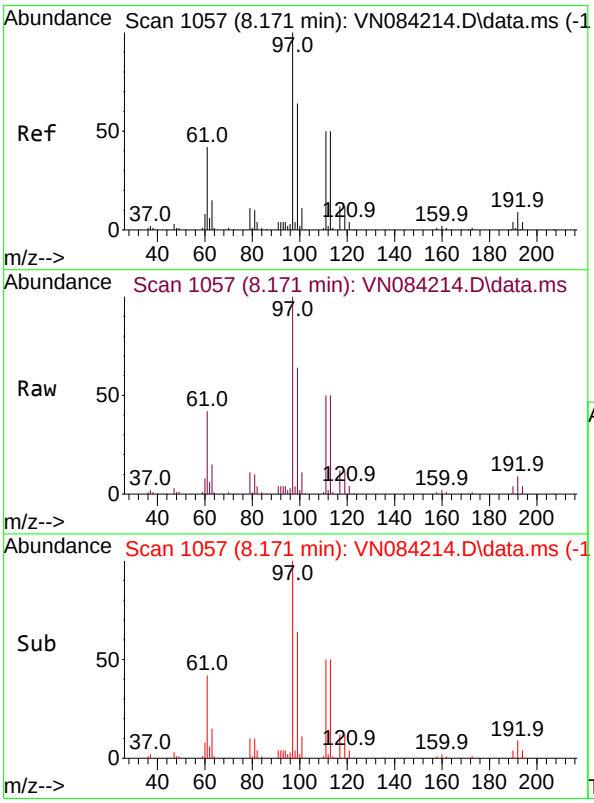
#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 187282

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	86.0	68.8	103.2

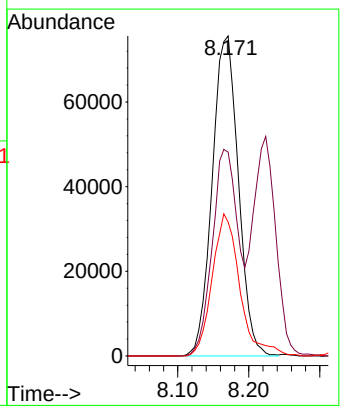


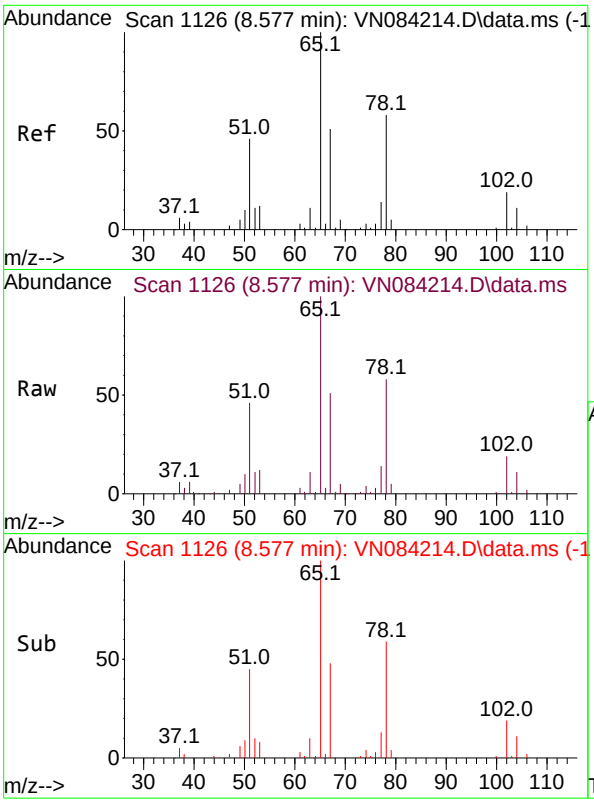


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 193315

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.9	37.5	56.3



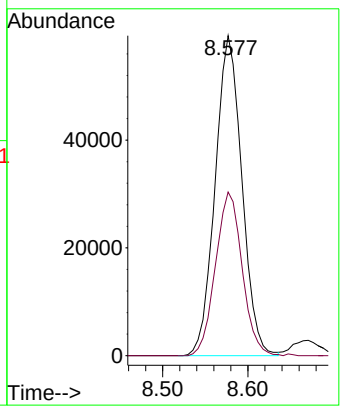


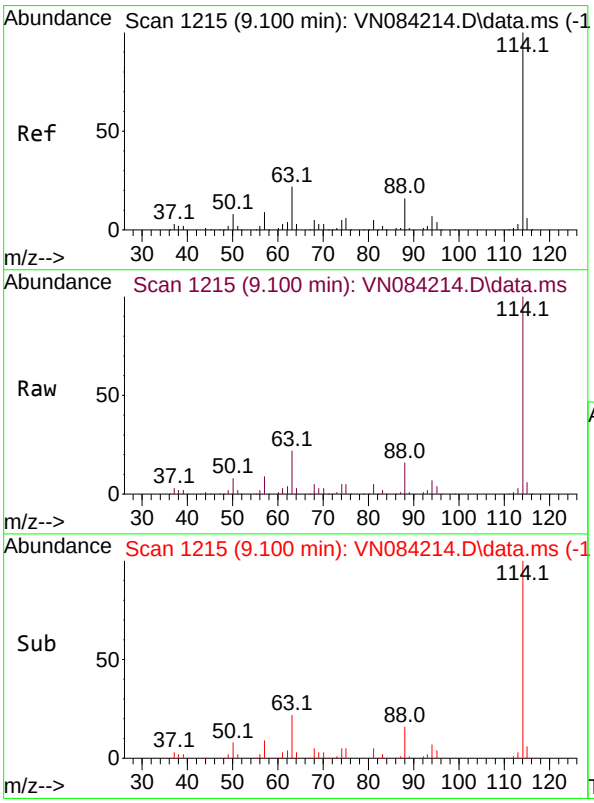
#33
1,2-Dichloroethane-d4
Concen: 49.725 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 129300

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

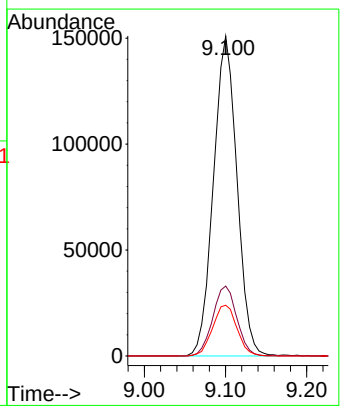


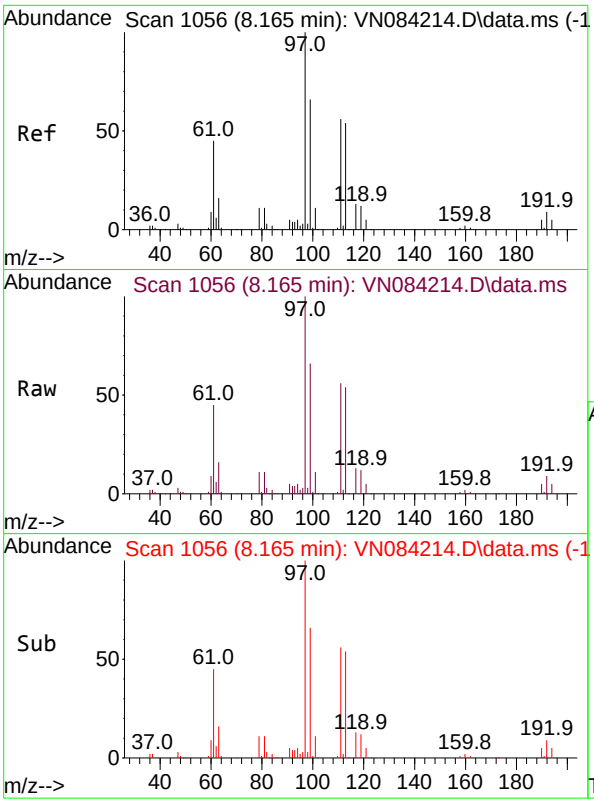


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:114 Resp: 304127

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	15.8	0.0	31.6



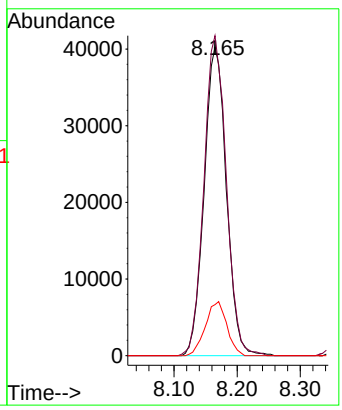


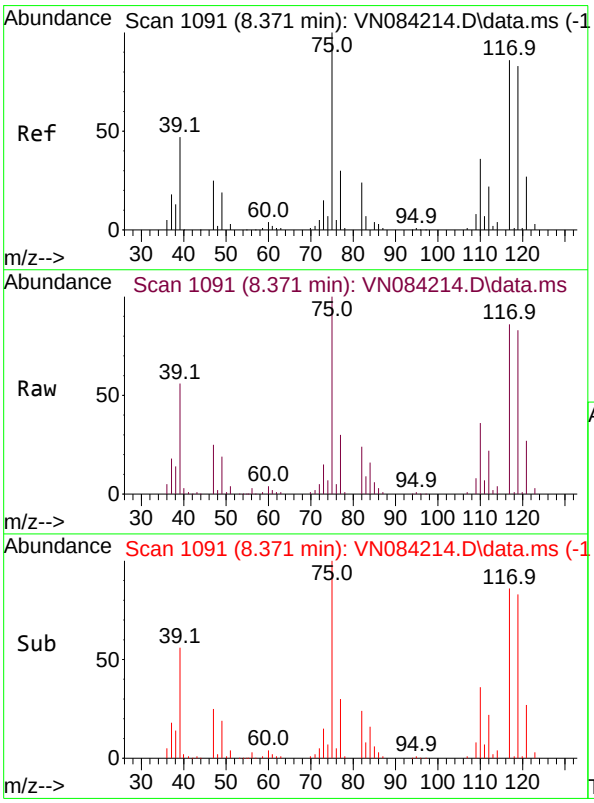
#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 98531

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	16.9	13.5	20.3

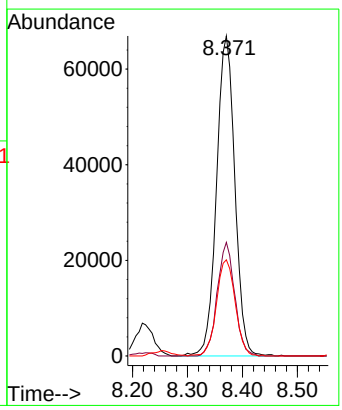


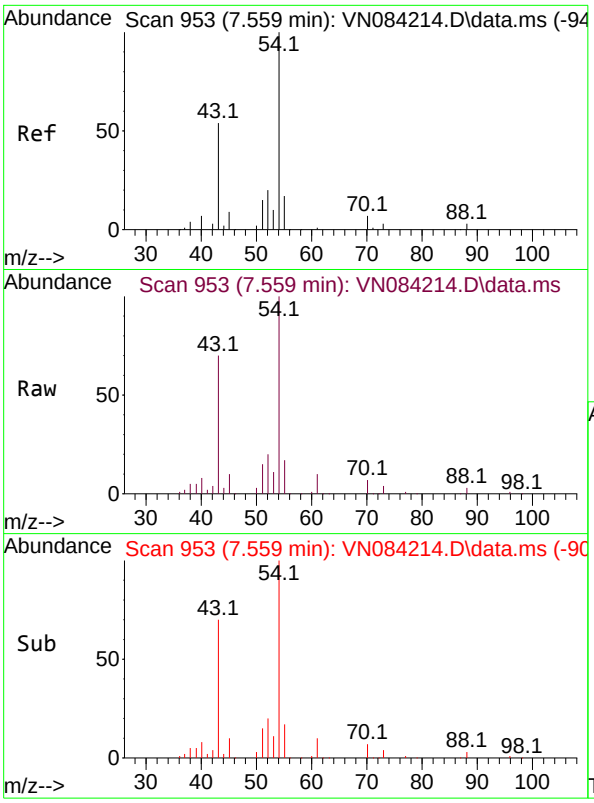


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 154855

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.9	24.7	37.1



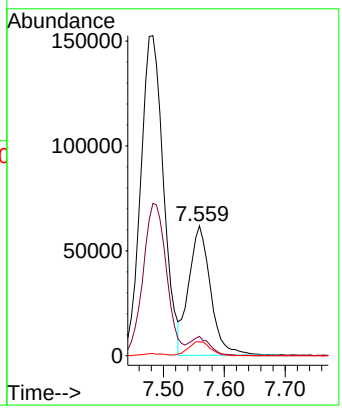


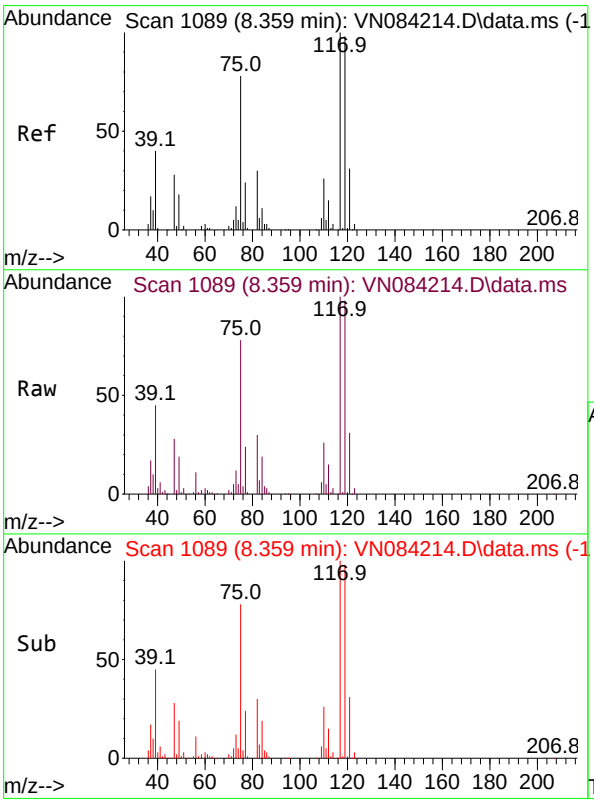
#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 153024

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.8	13.2

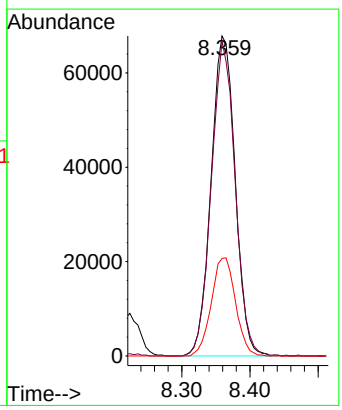


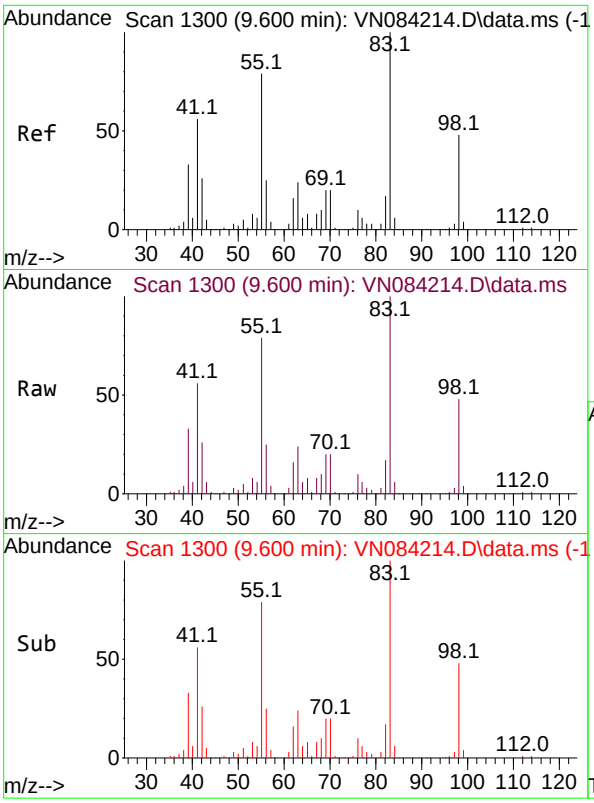


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 167086

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	30.5	24.4	36.6



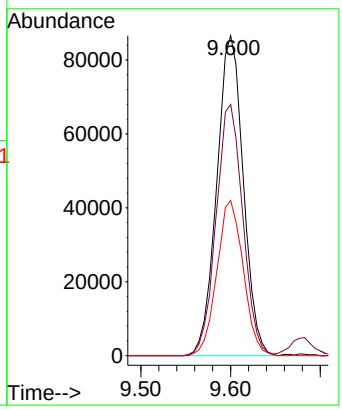


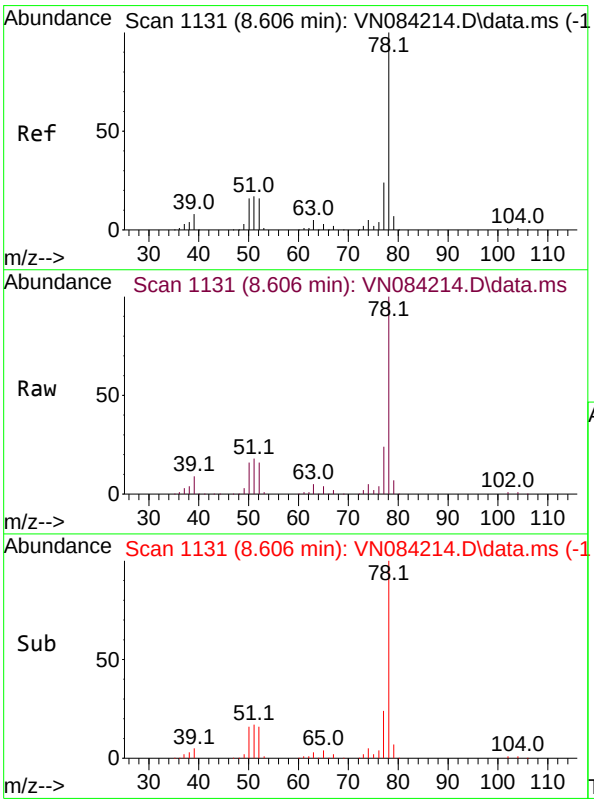
#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 177433

Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.8	94.2
98	48.5	38.8	58.2

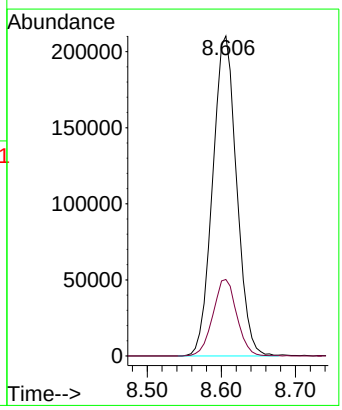


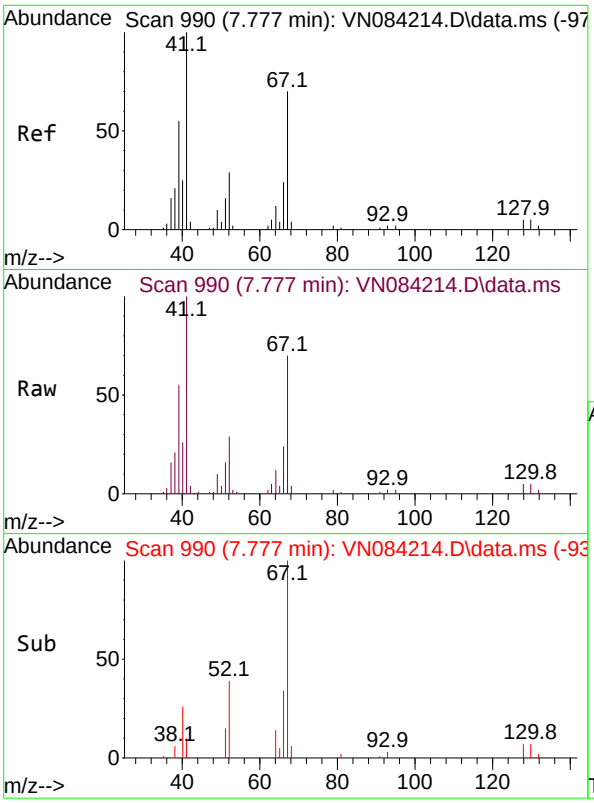


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7



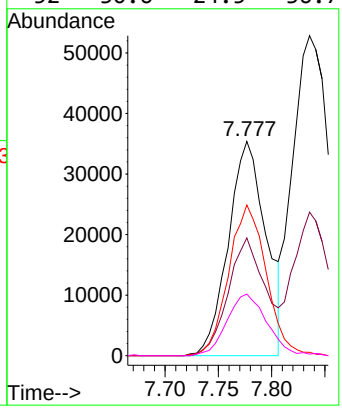


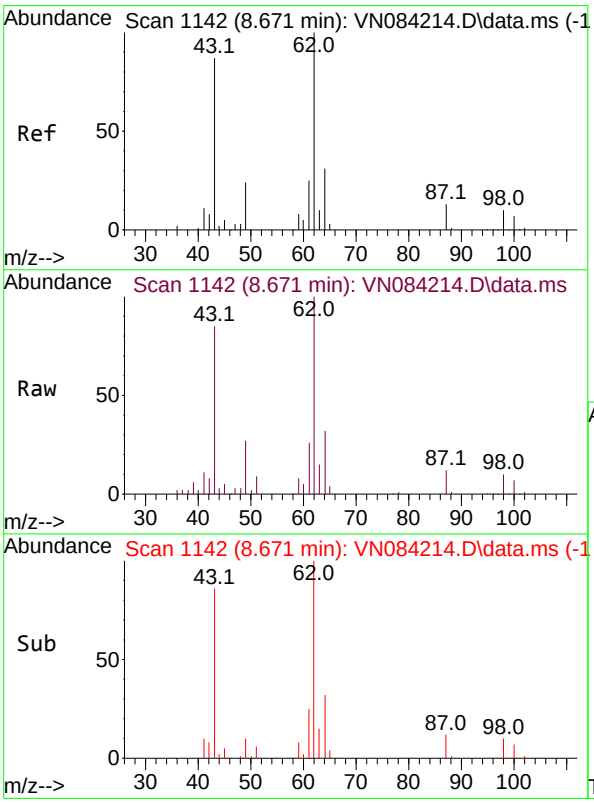
#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87365

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	70.1	56.1	84.1
52	30.6	24.5	36.7

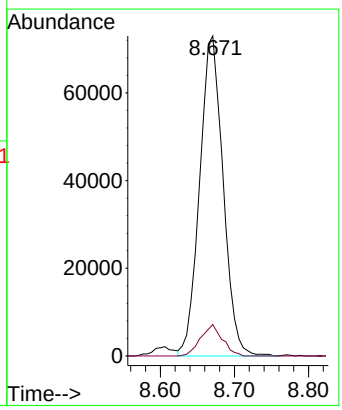


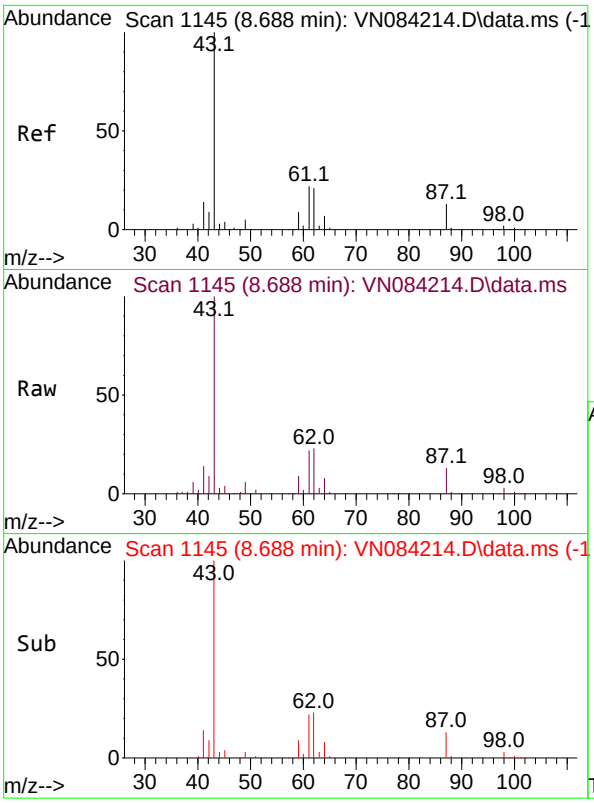


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



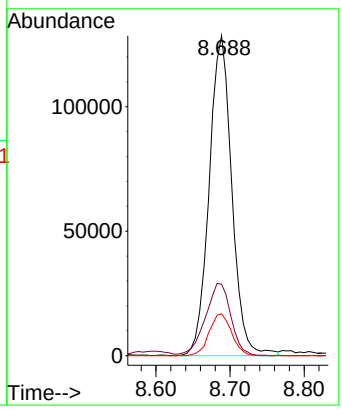


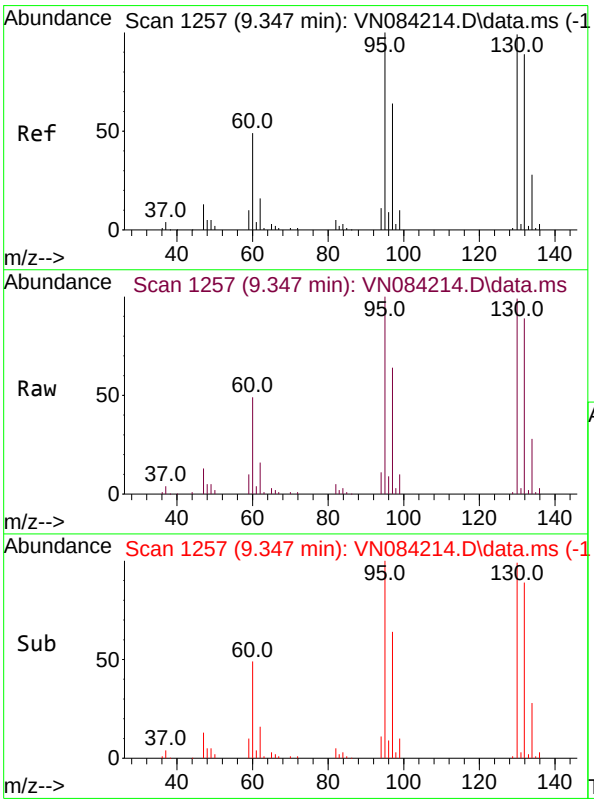
#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 272992

Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5

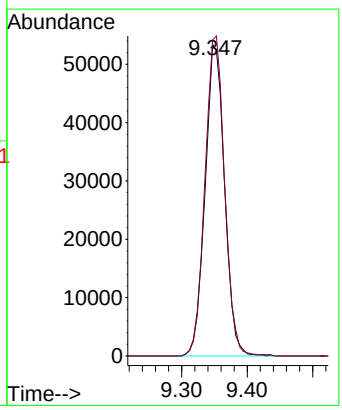


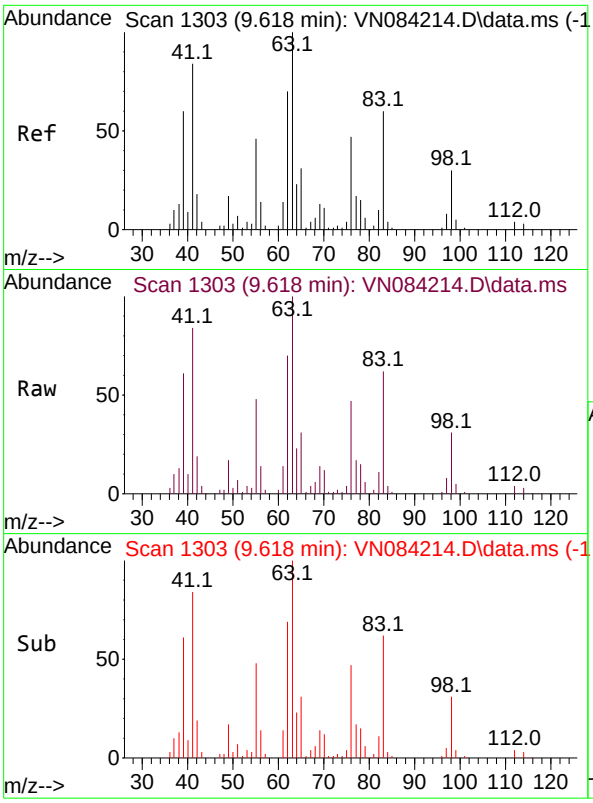


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



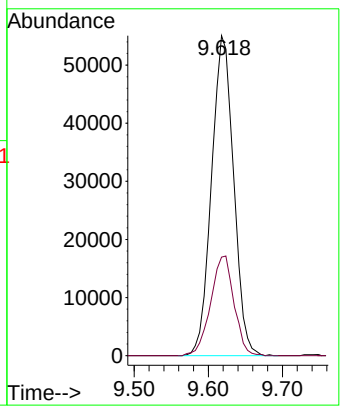


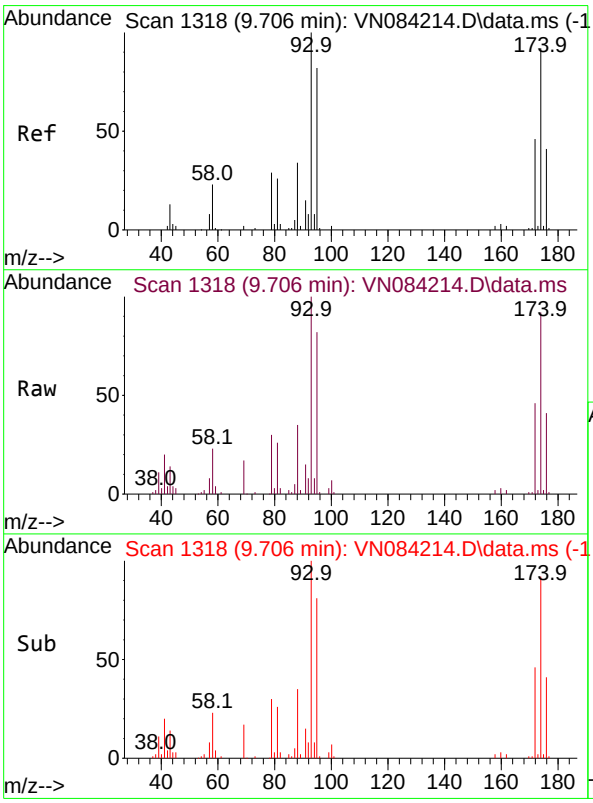
#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 114143

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

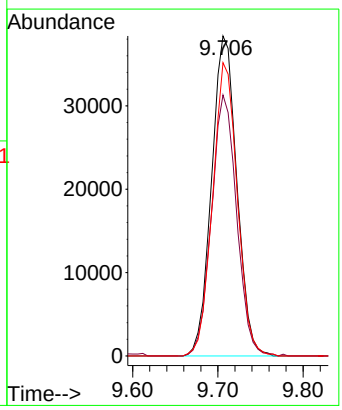


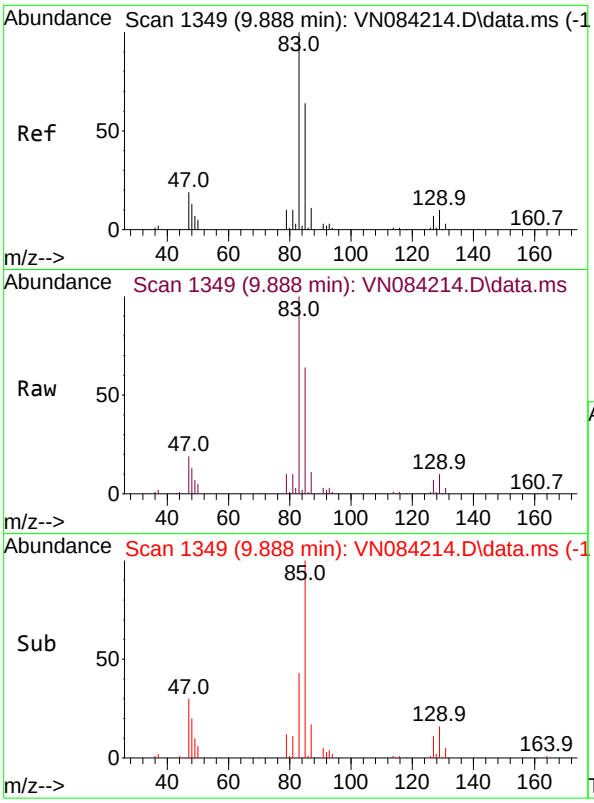


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 93 Resp: 79007

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	89.8	71.8	107.8



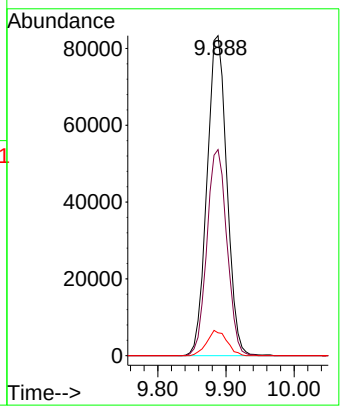


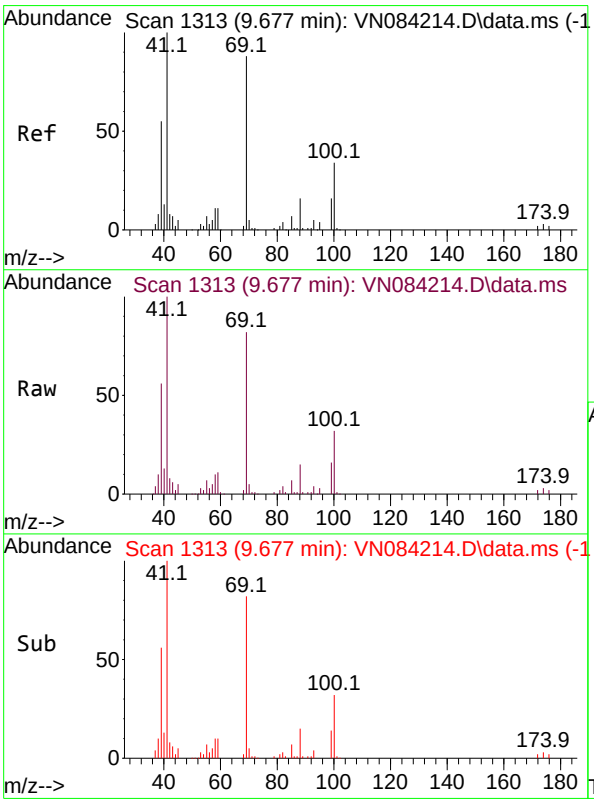
#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 169263

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.1	5.7	8.5

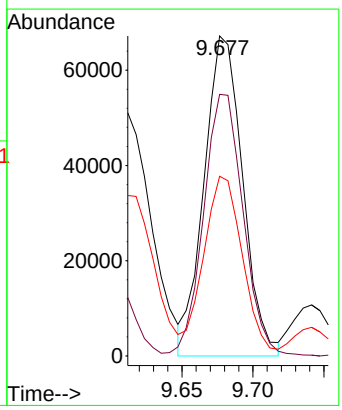


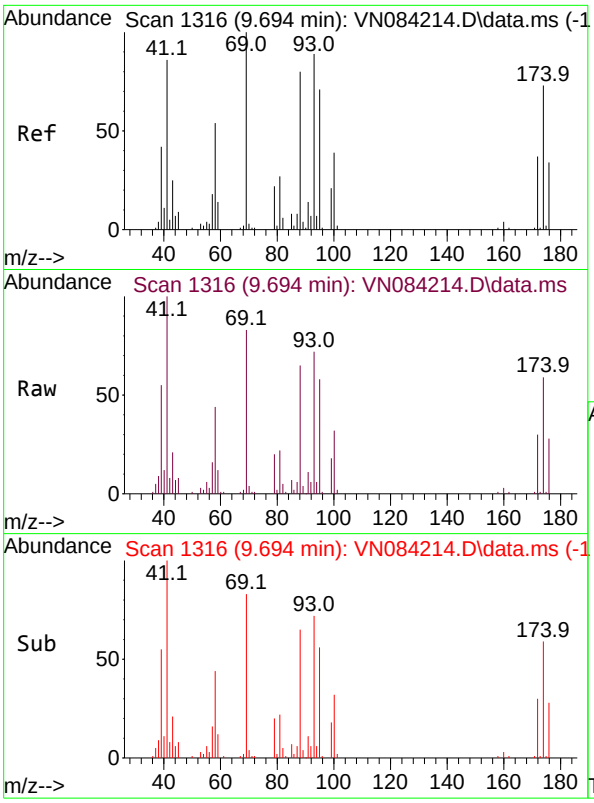


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 127042

Ion	Ratio	Lower	Upper
41	100		
69	83.9	67.1	100.7
39	57.2	45.8	68.6



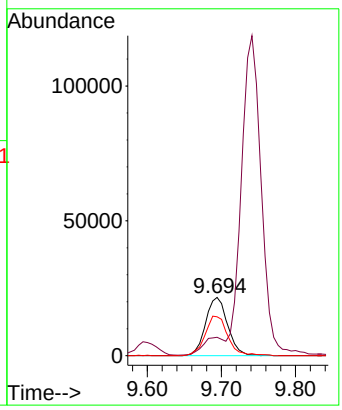


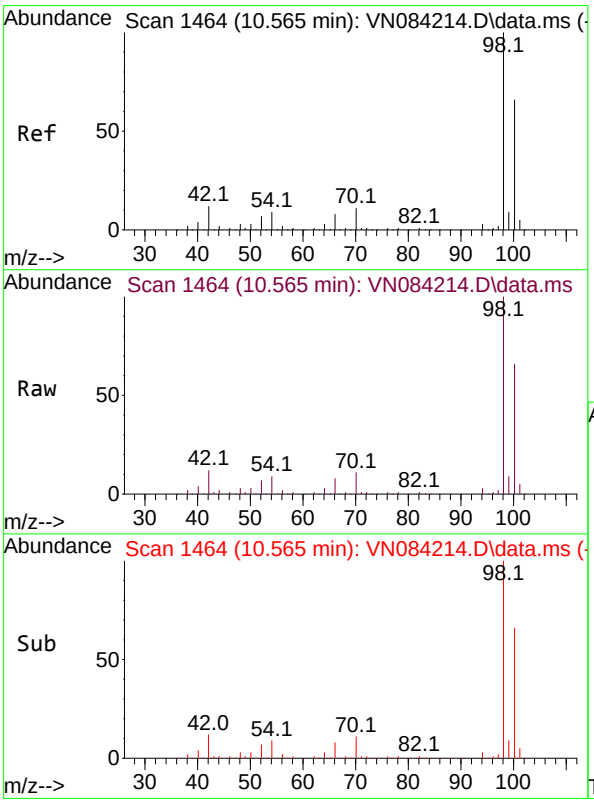
#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 44512

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	70.5	56.4	84.6

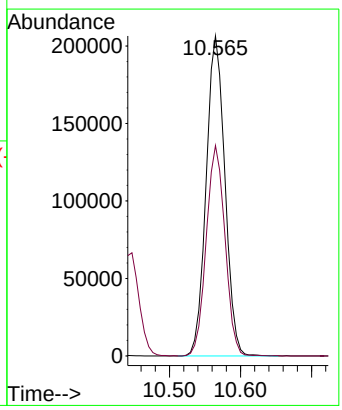


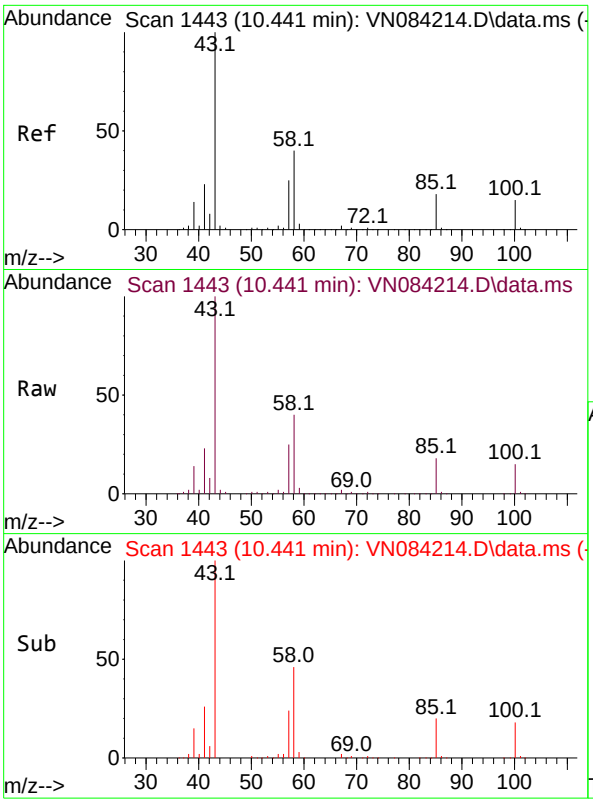


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



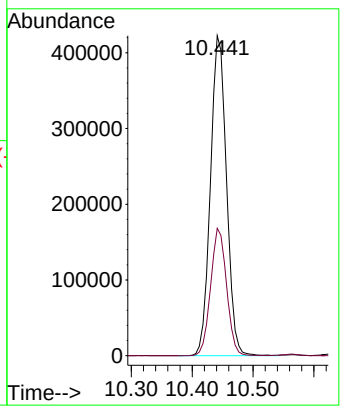


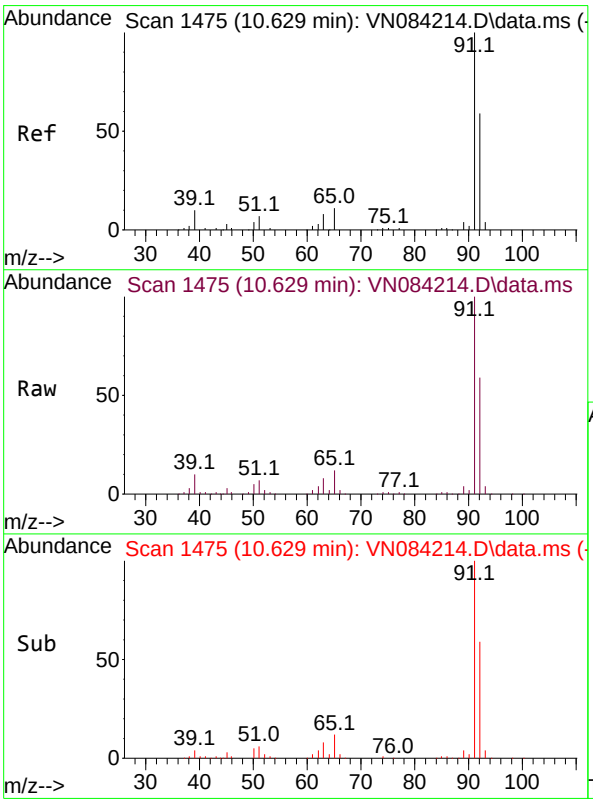
#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 772927

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

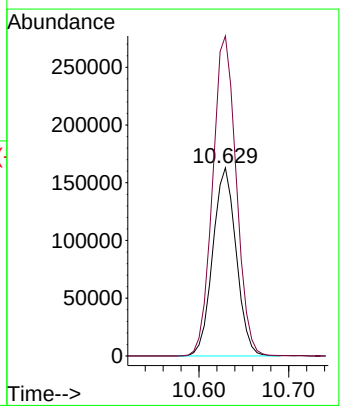


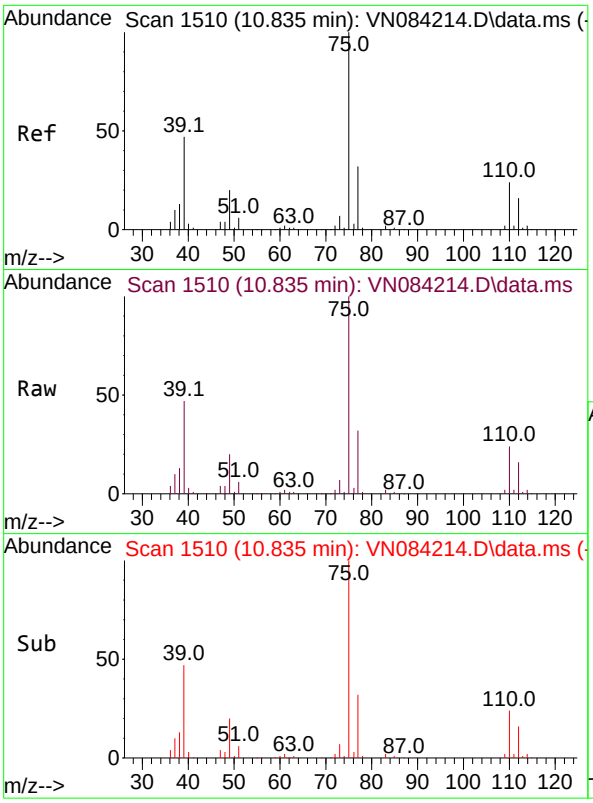


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



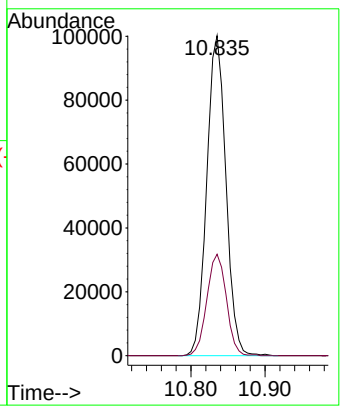


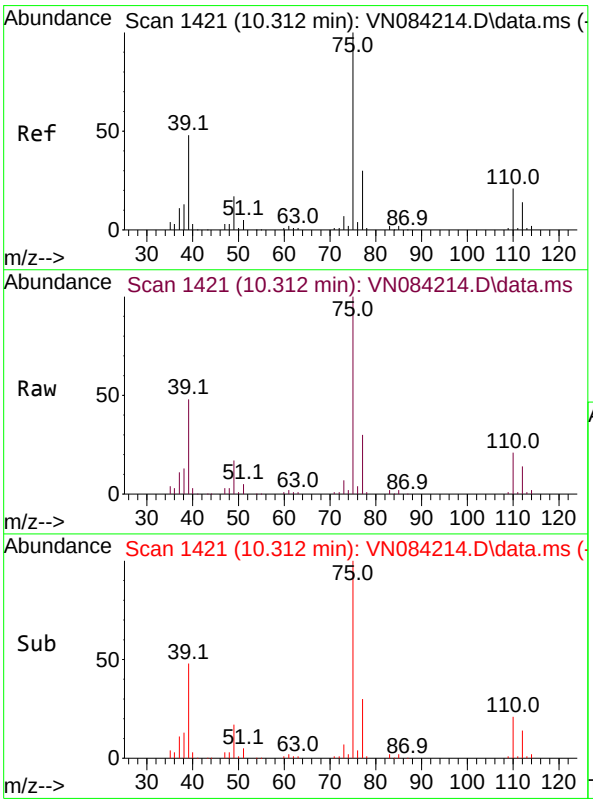
#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 179453

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

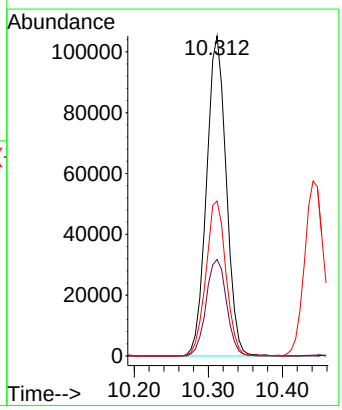


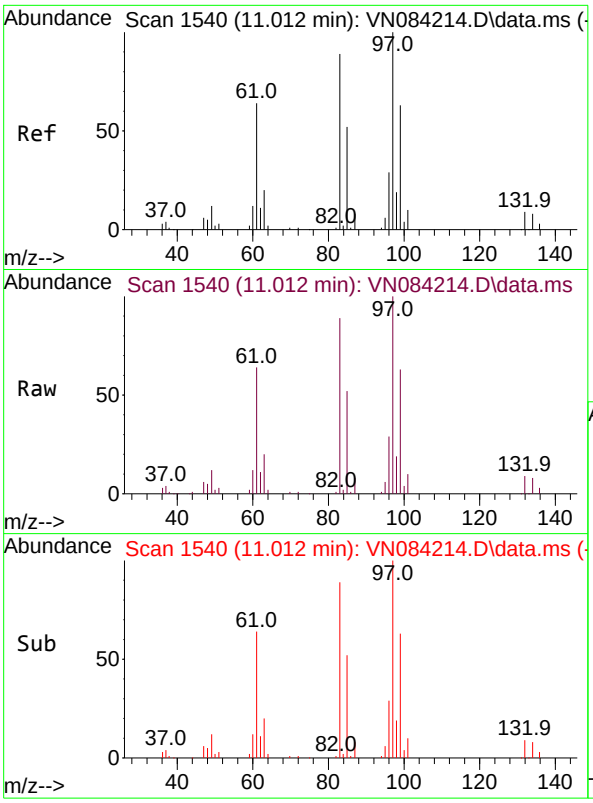


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 193952

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2
39	48.4	38.7	58.1



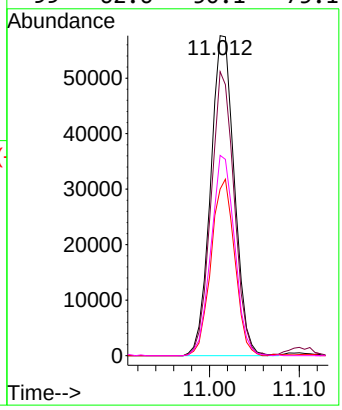


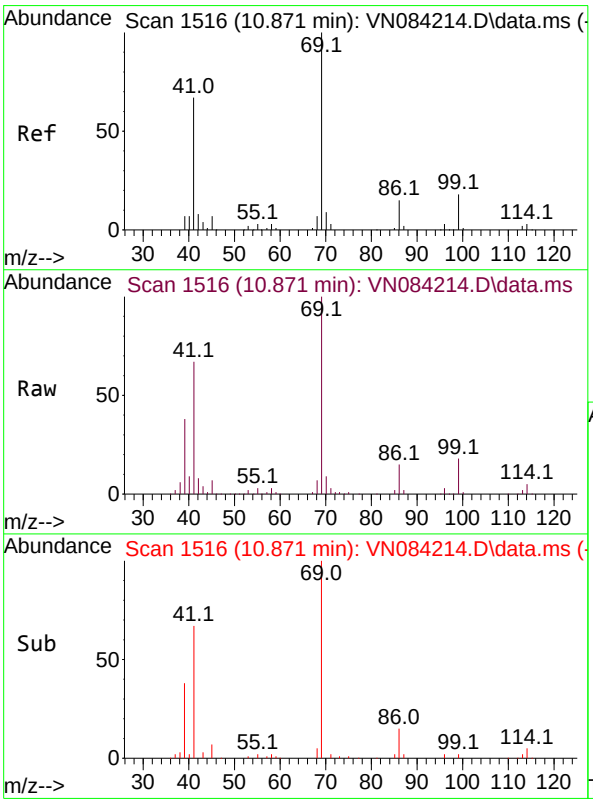
#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 106288

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	52.1	41.7	62.5
99	62.6	50.1	75.1

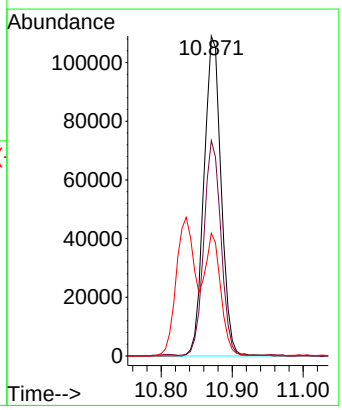


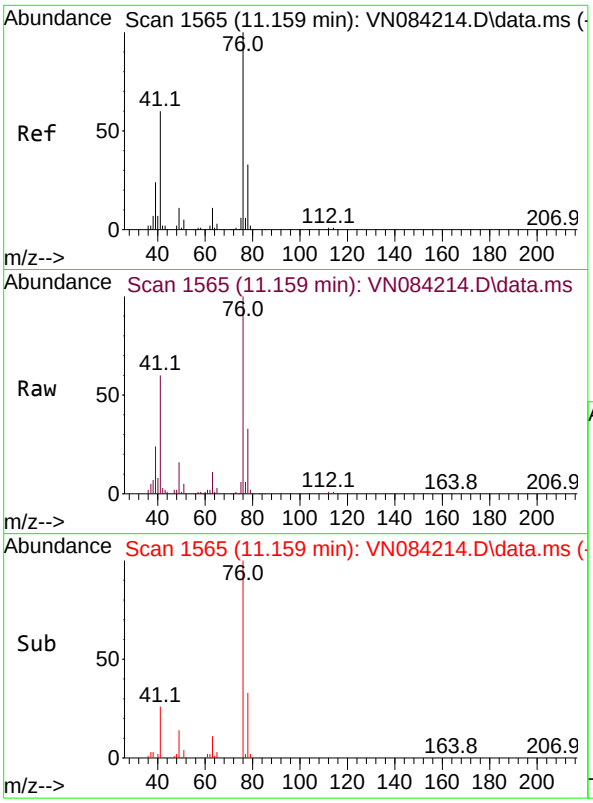


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 69 Resp: 183059

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	36.0	28.8	43.2



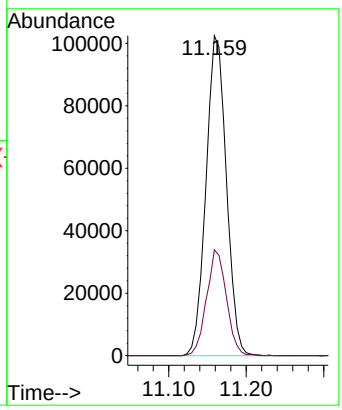


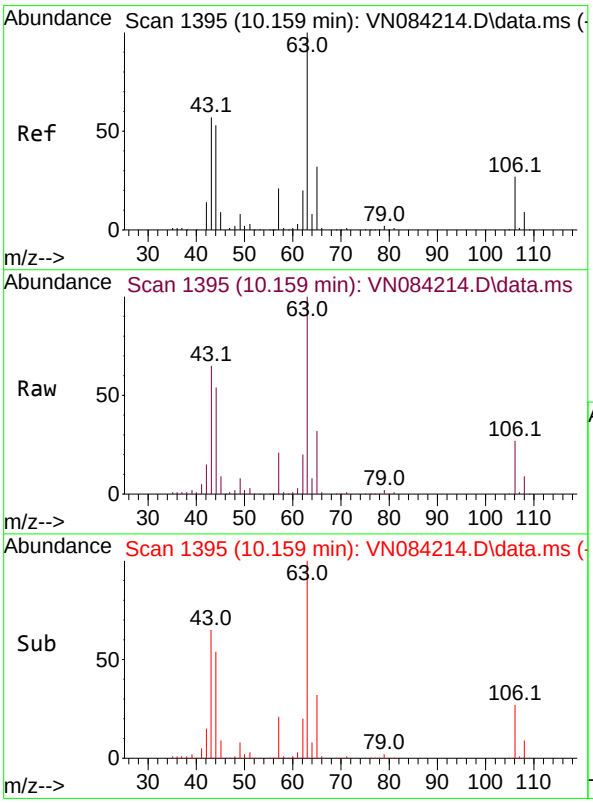
#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 187372

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

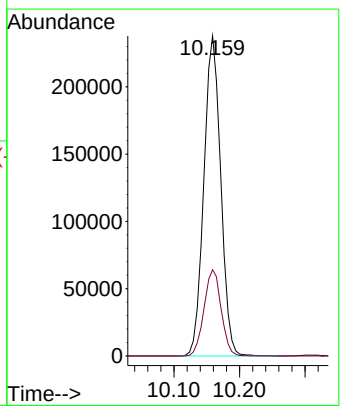


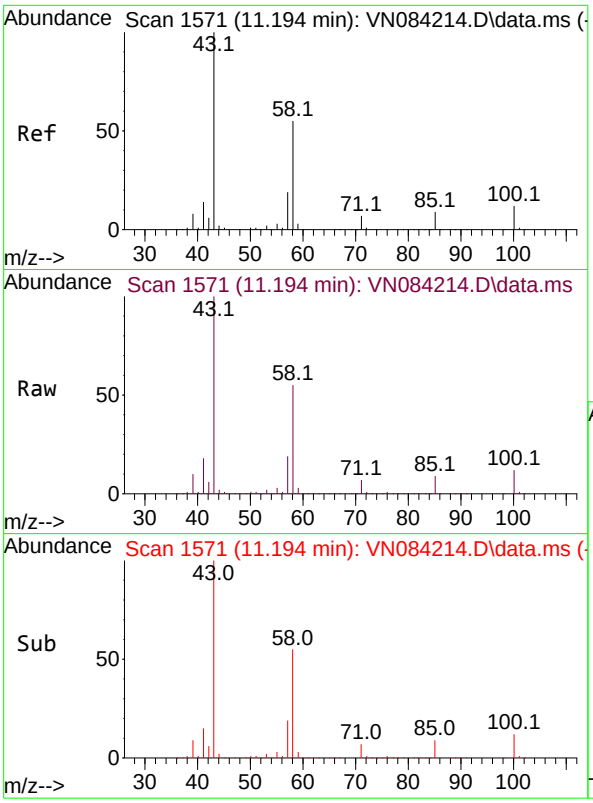


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6



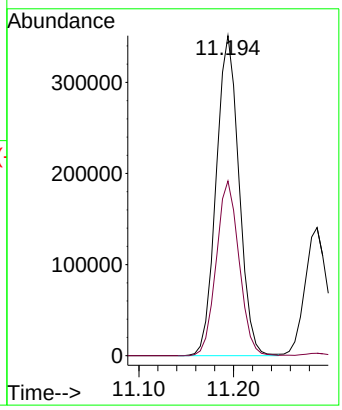


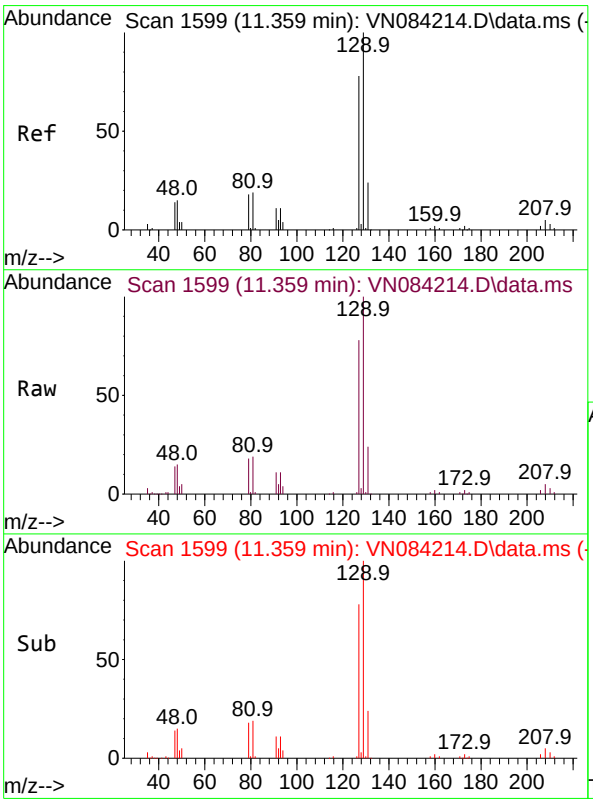
#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 588361

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

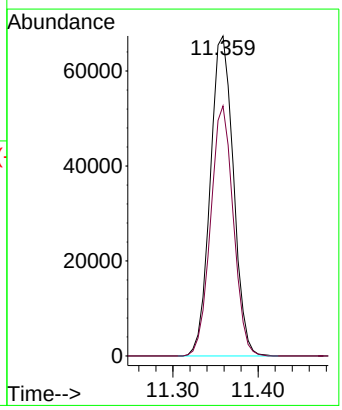


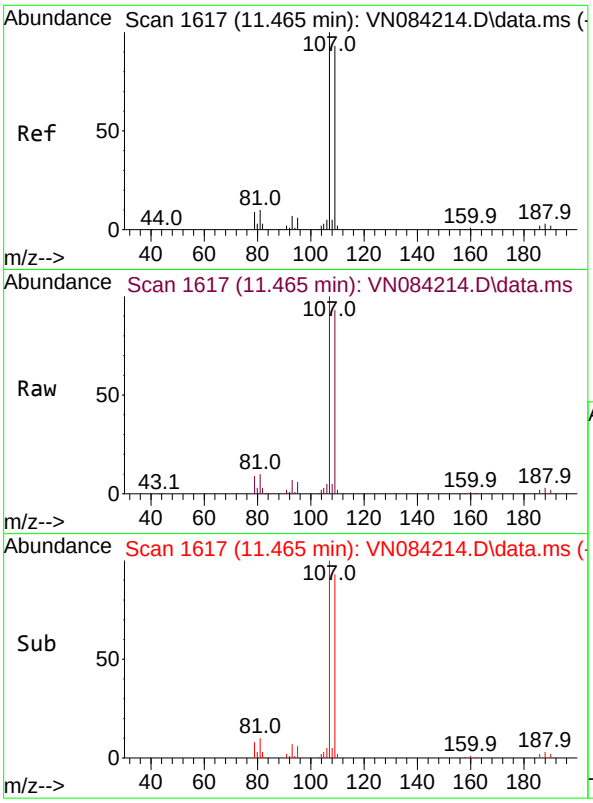


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9



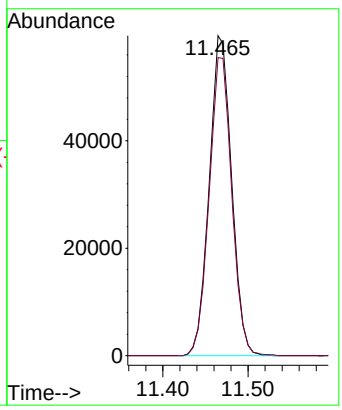


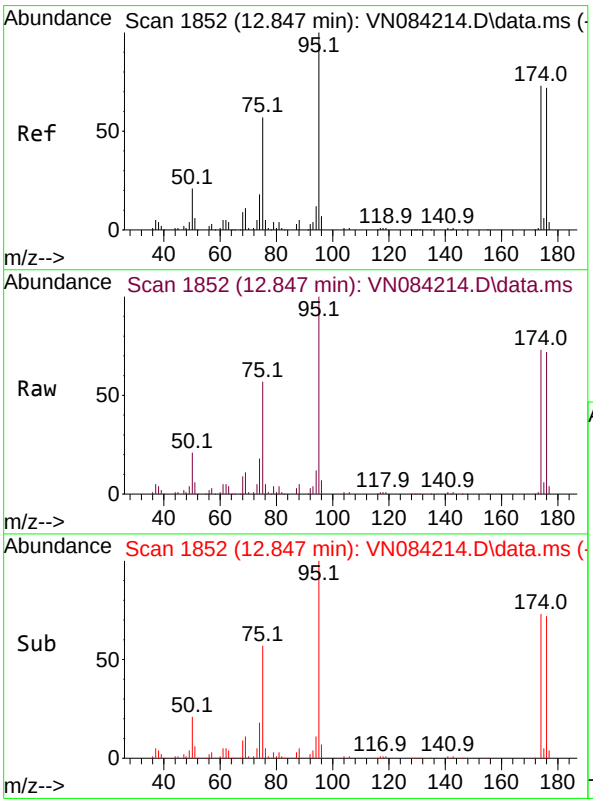
#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 108817

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

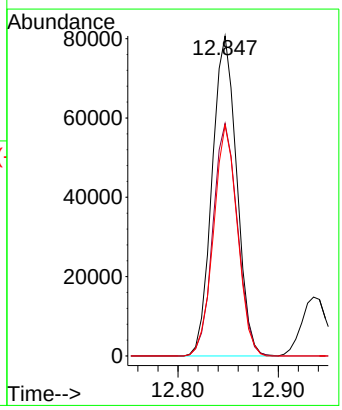


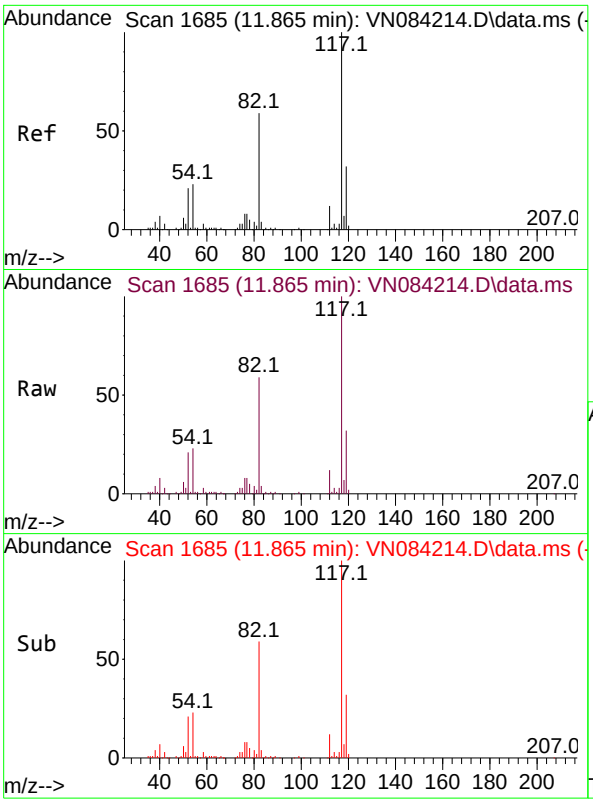


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 95 Resp: 137388

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	70.0	0.0	140.0



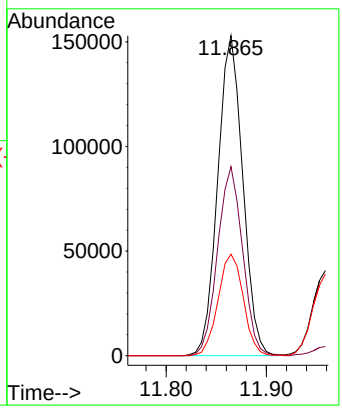


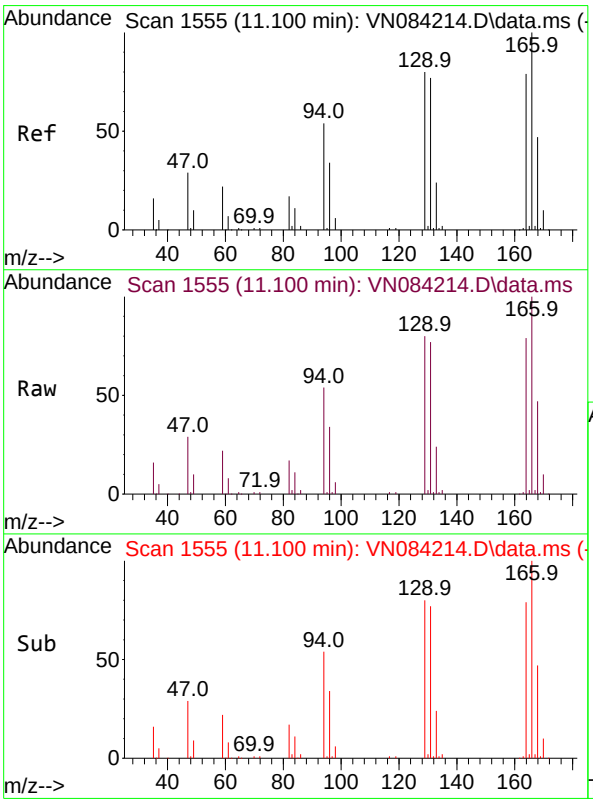
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 264820

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.7	25.4	38.0

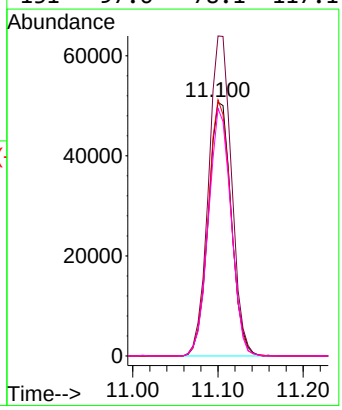


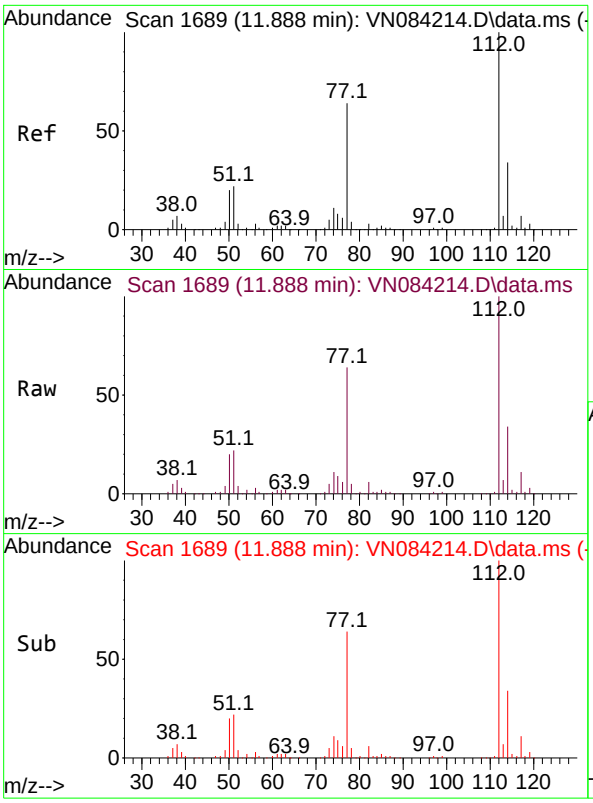


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:164 Resp: 94966

Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.0	151.4
129	101.0	80.8	121.2
131	97.6	78.1	117.1



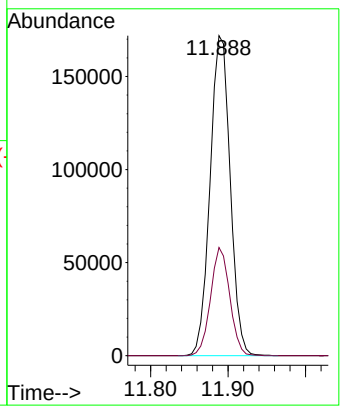


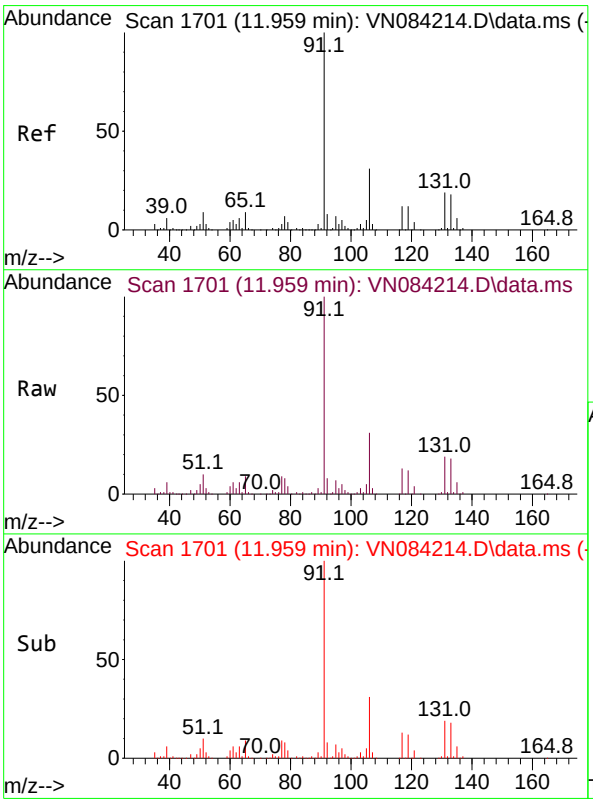
#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 309849

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6

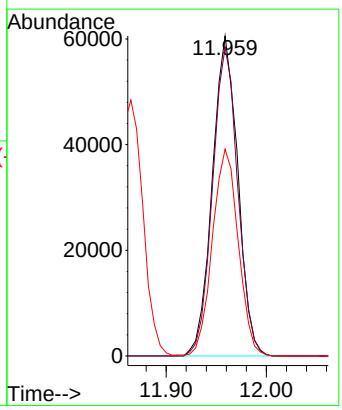


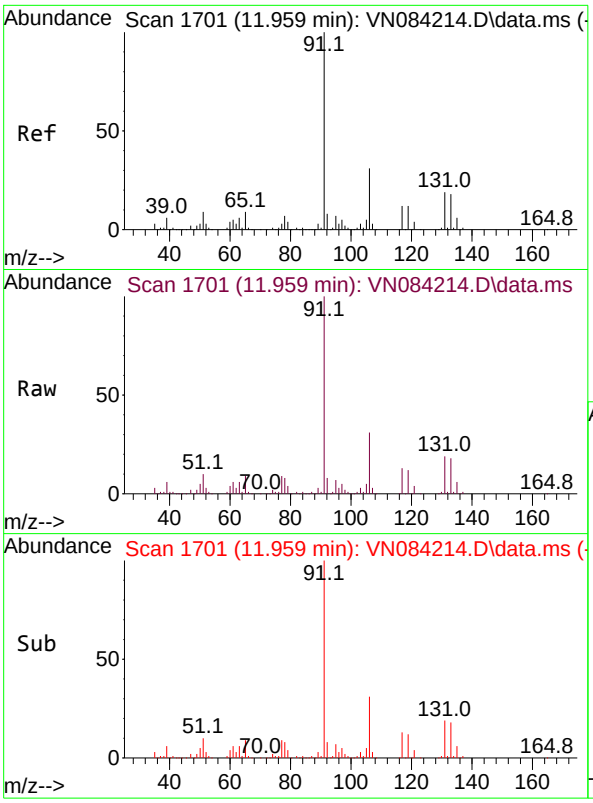


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:131 Resp: 106981

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.7
119	65.5	32.8	98.3



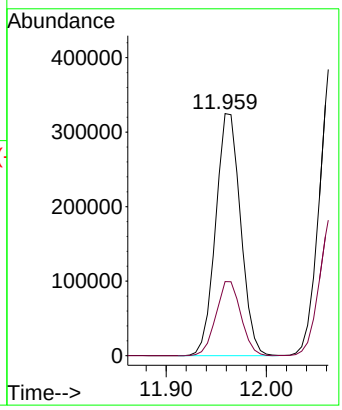


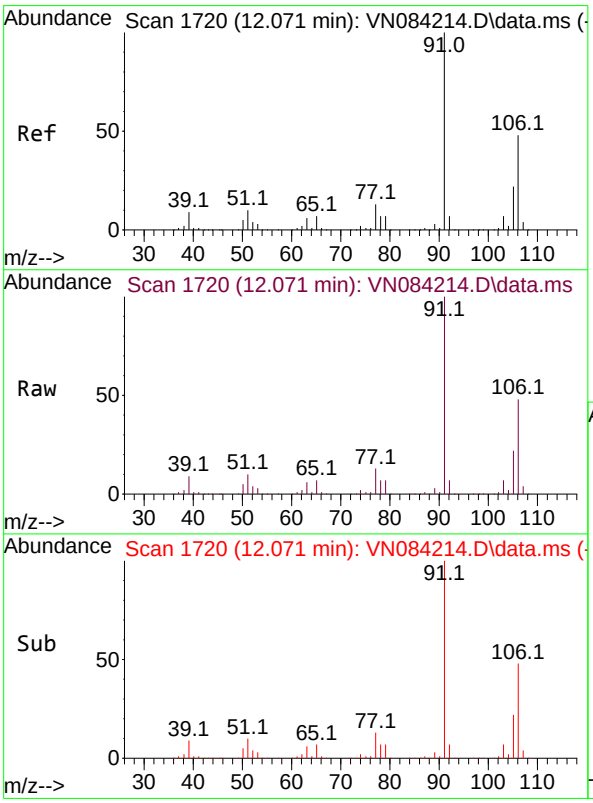
#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 561770

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

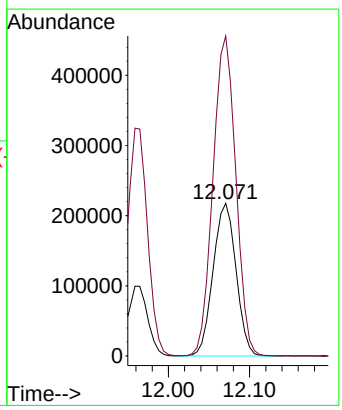


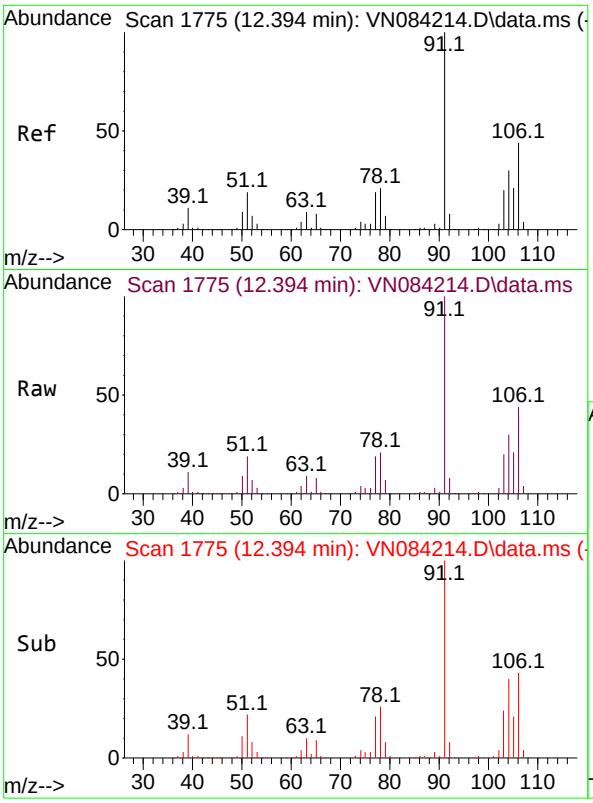


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7



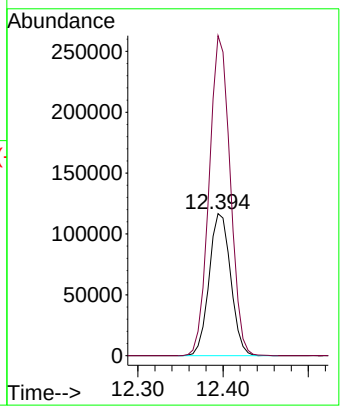


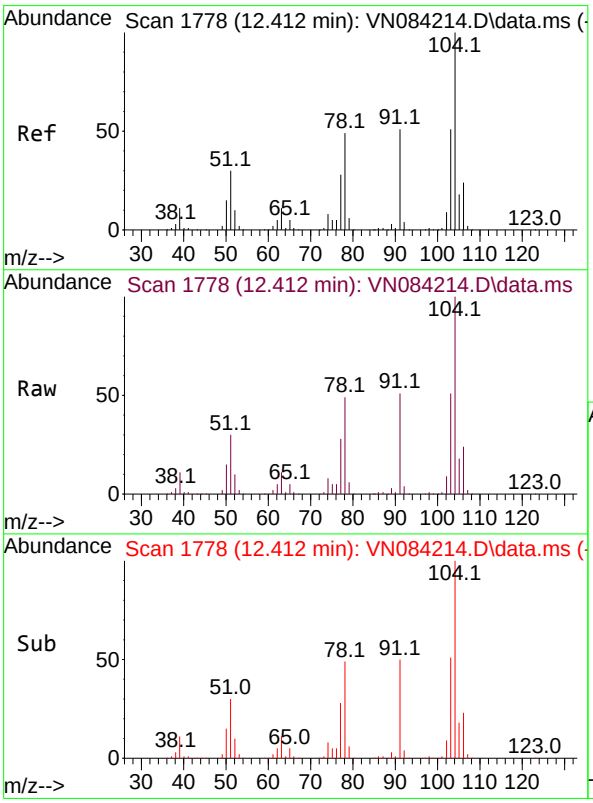
#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 204854

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

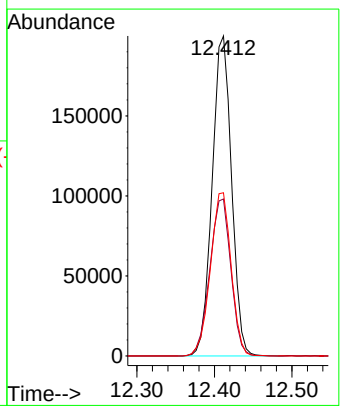


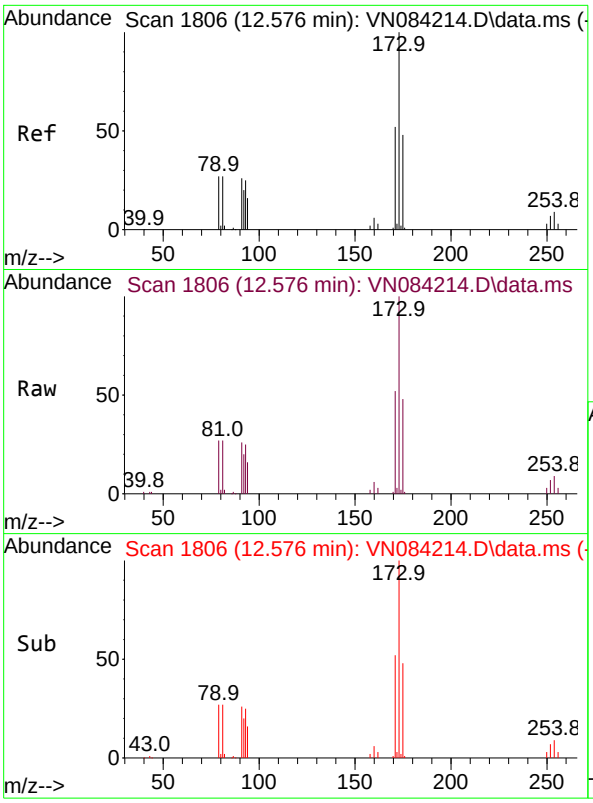


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:104 Resp: 347383

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.7	64.1
103	54.5	43.6	65.4



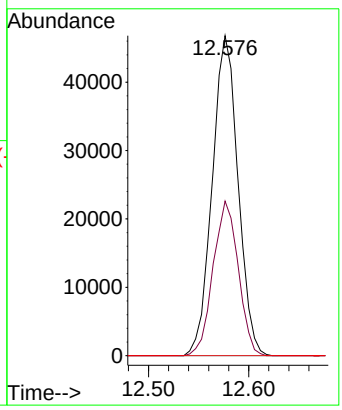


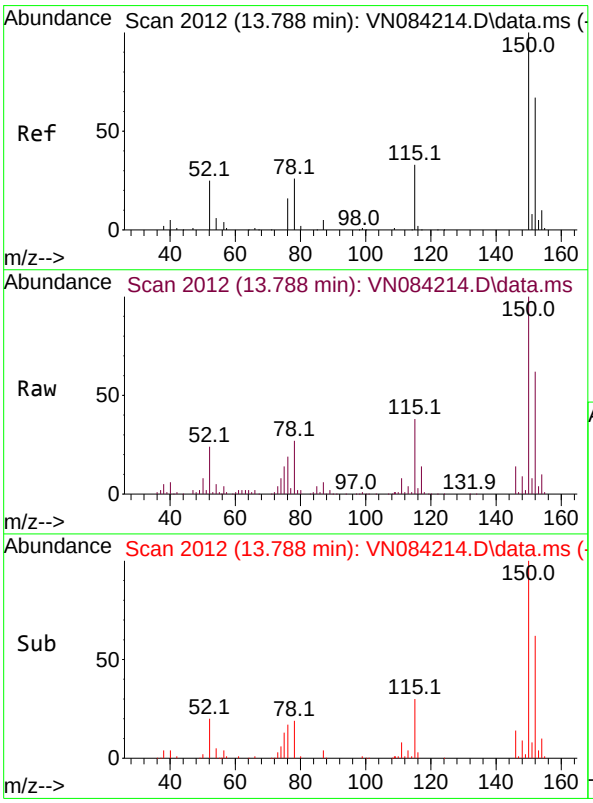
#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 83487

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0

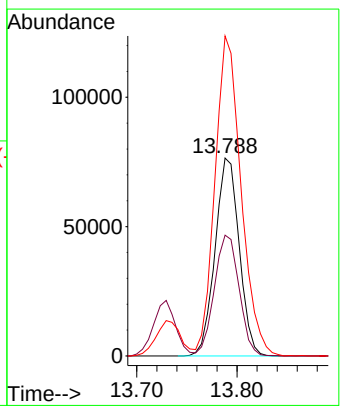


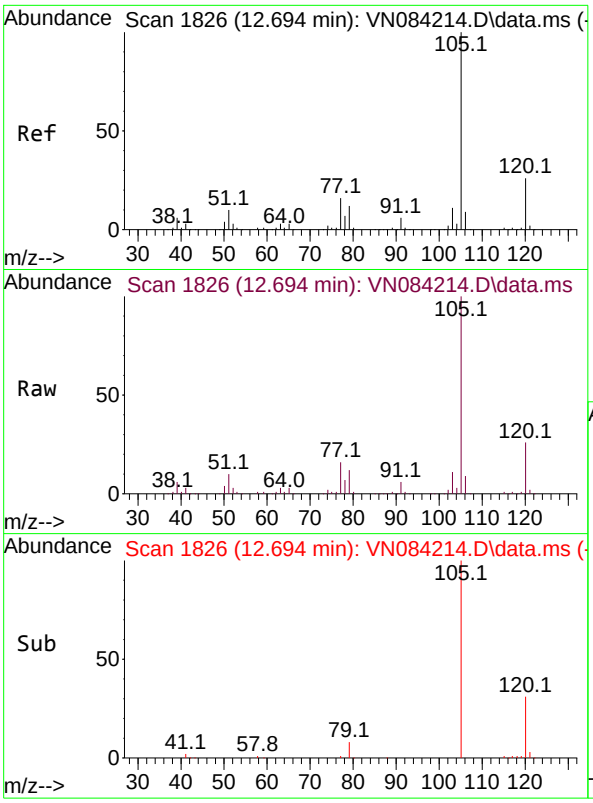


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:152 Resp: 127701

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	174.9	0.0	349.8



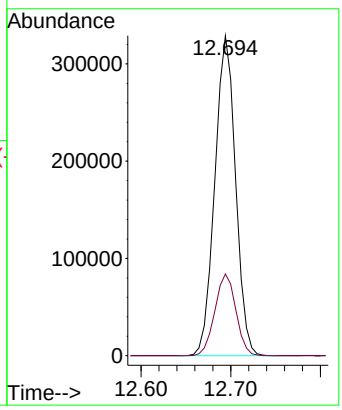


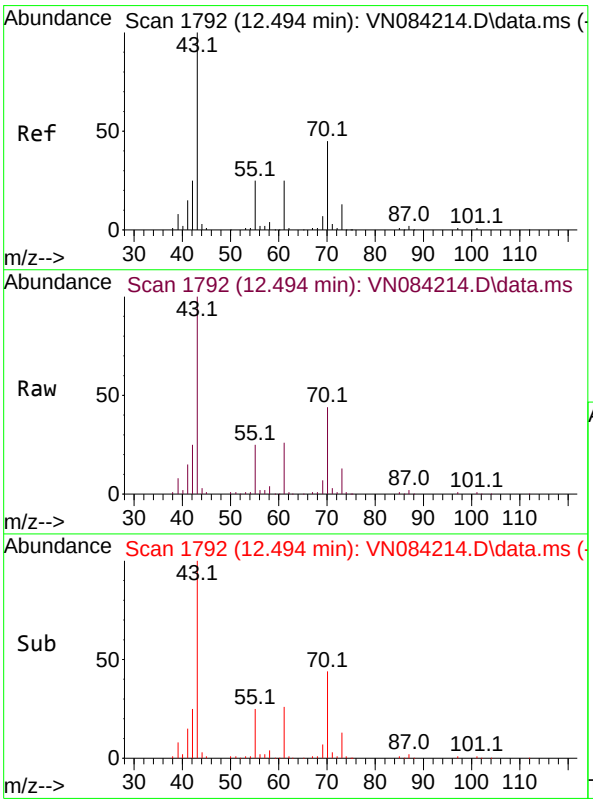
#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 527625

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

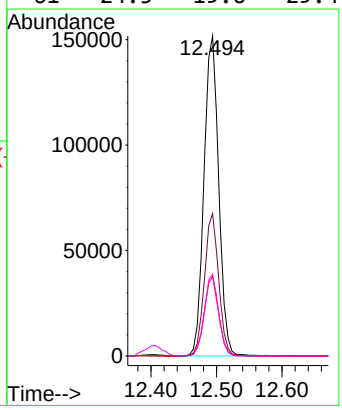


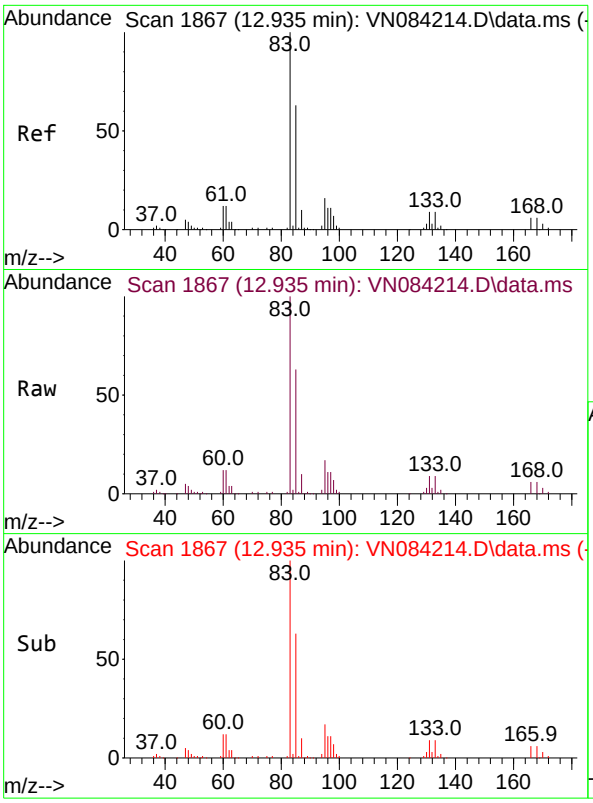


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 237131

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.4	51.6
55	24.5	19.6	29.4
61	24.5	19.6	29.4



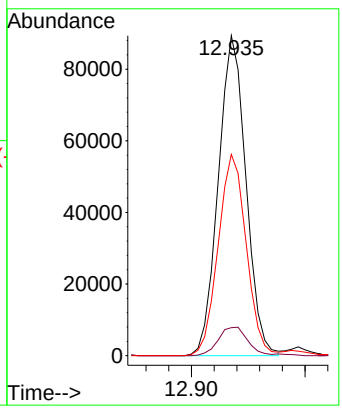


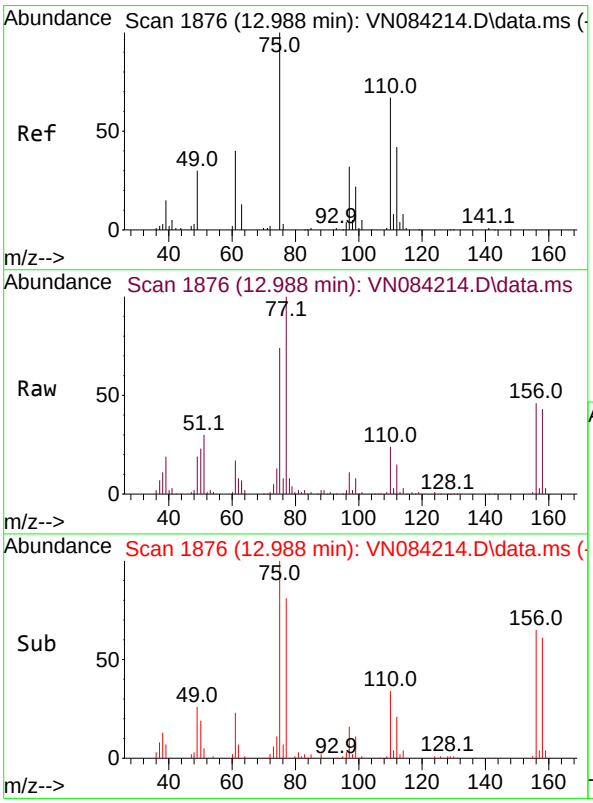
#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 151079

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7

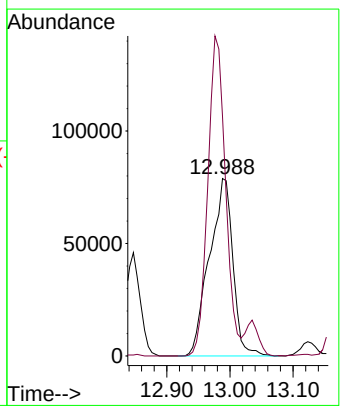


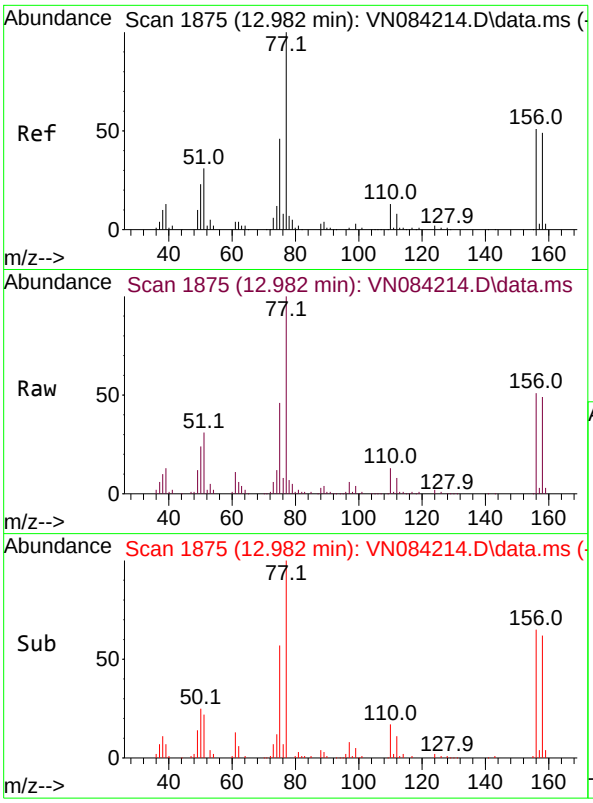


#76
1,2,3-Trichloropropane
Concen: 79.983 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 203575

Ion	Ratio	Lower	Upper
75	100		
77	136.7	96.9	290.7



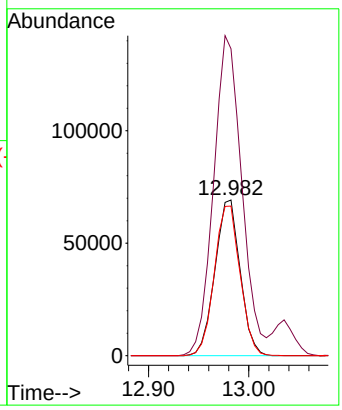


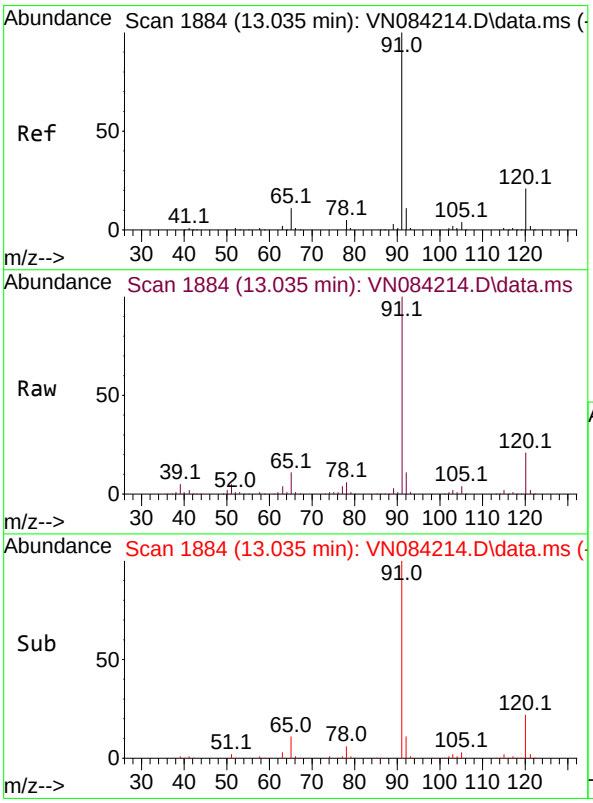
#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 120918

Ion	Ratio	Lower	Upper
156	100		
77	230.2	115.1	345.3
158	97.9	48.9	146.8

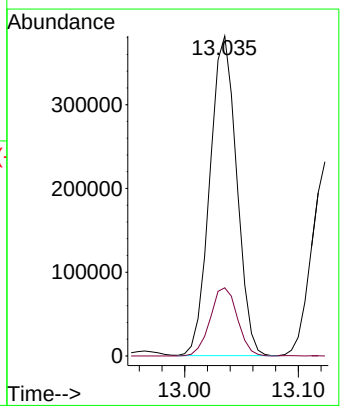


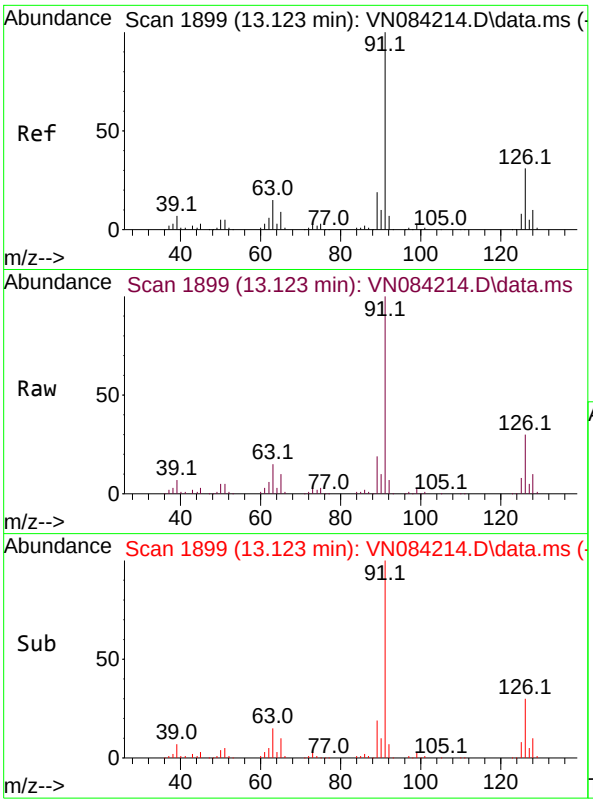


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



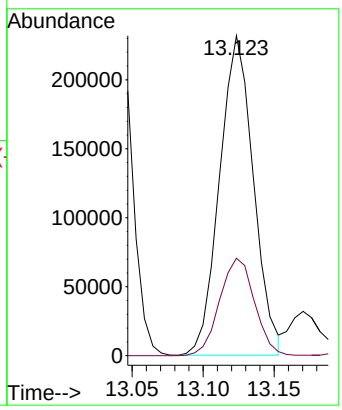


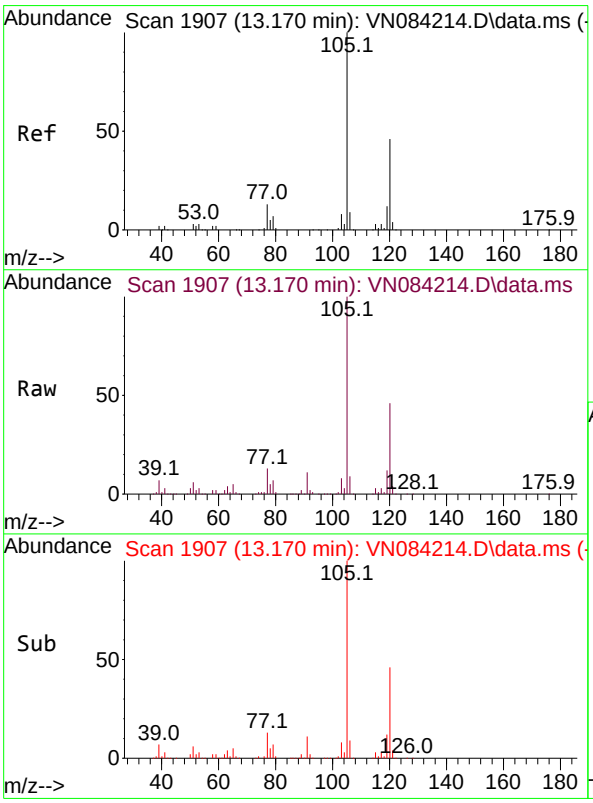
#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 384795

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

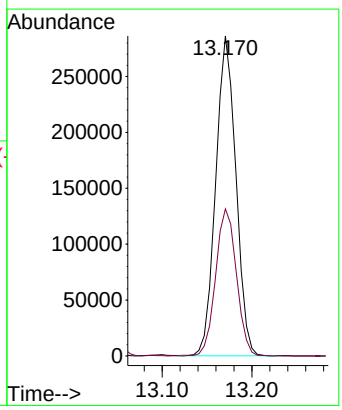


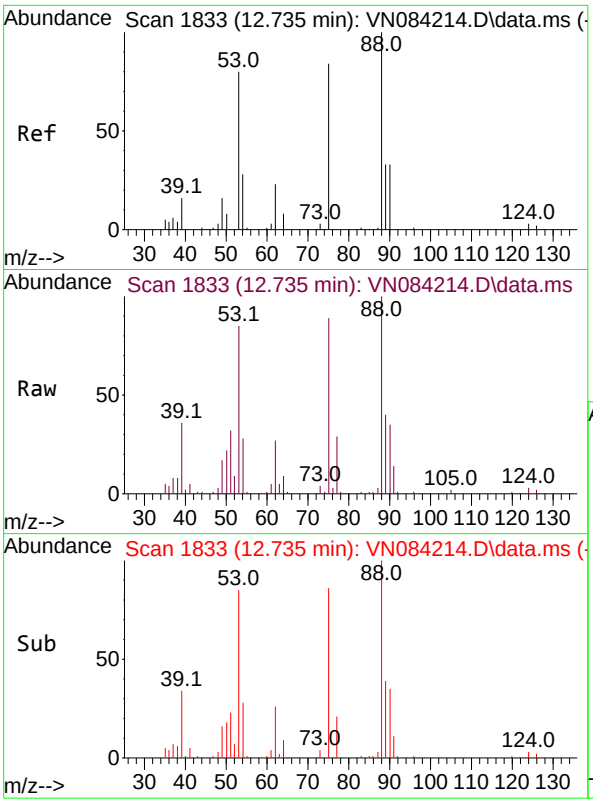


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



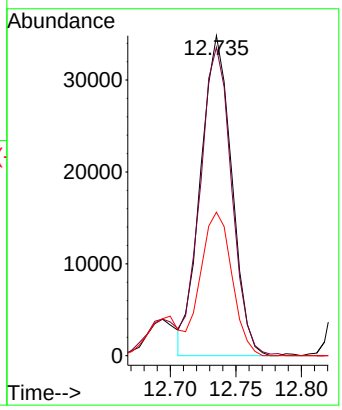


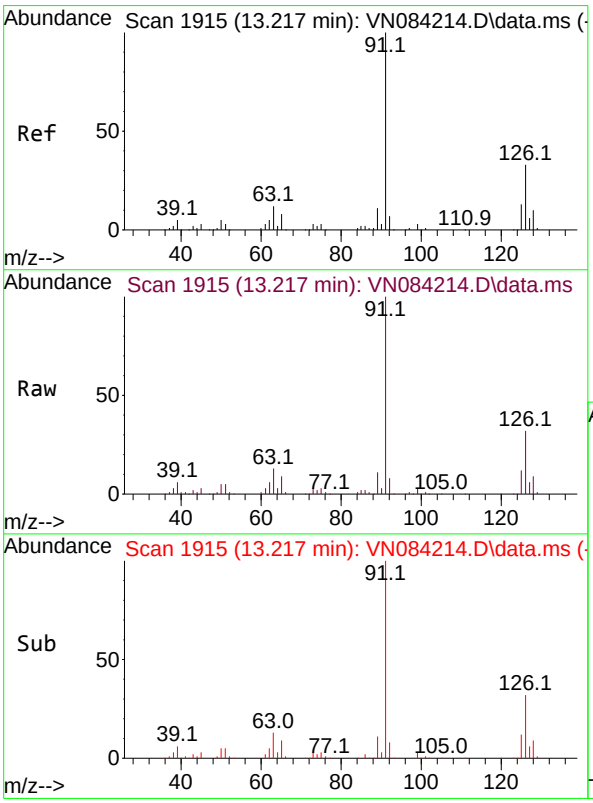
#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 57572

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	44.4	35.5	53.3

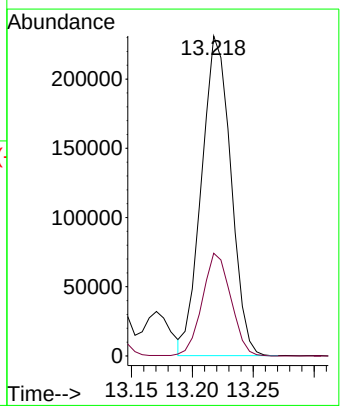


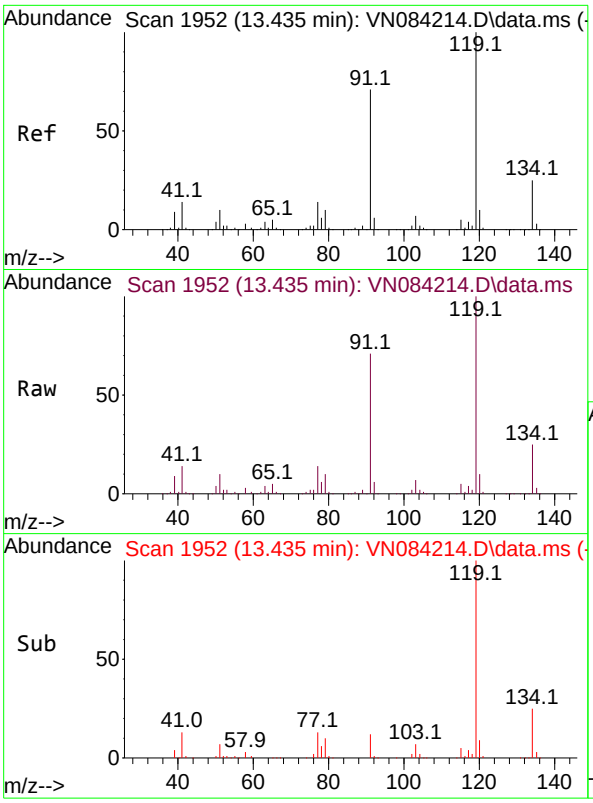


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



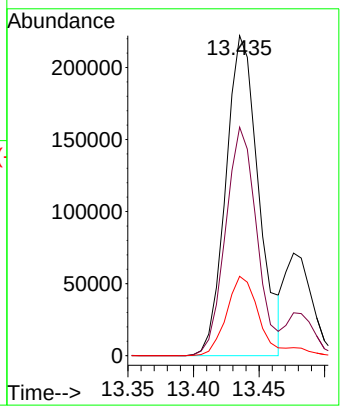


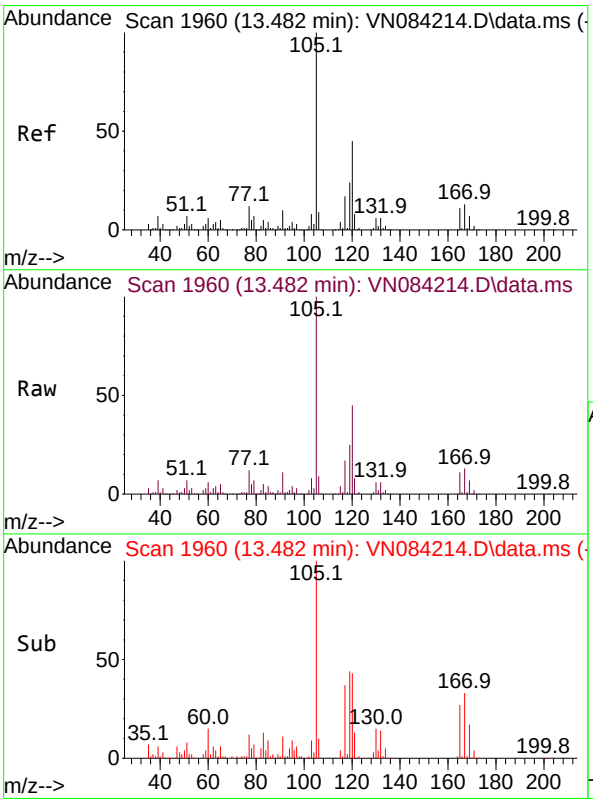
#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 386532

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.6	12.8	38.4

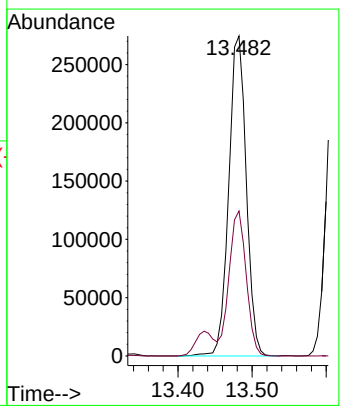


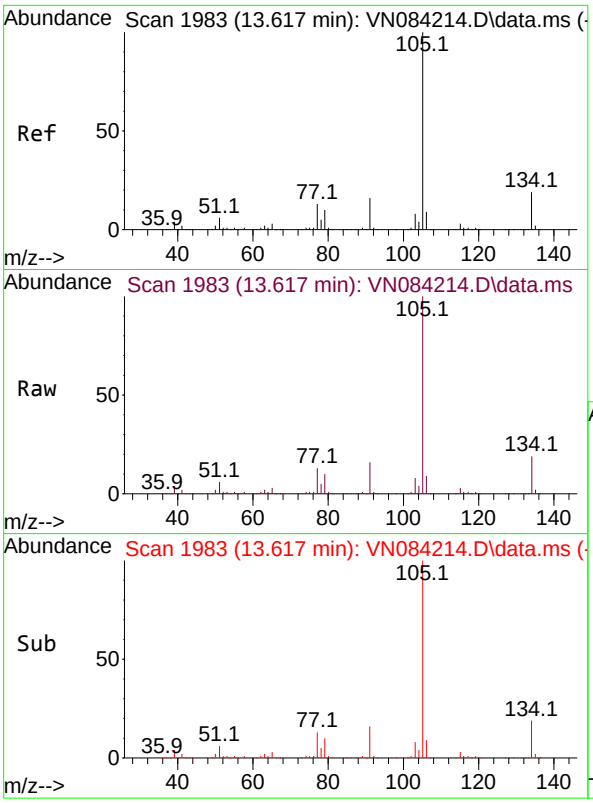


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8



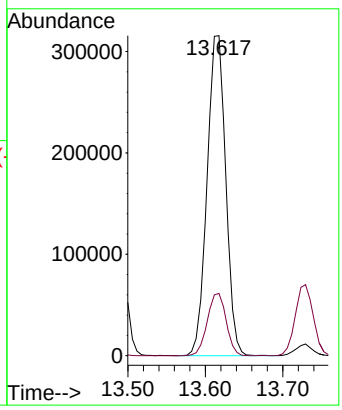


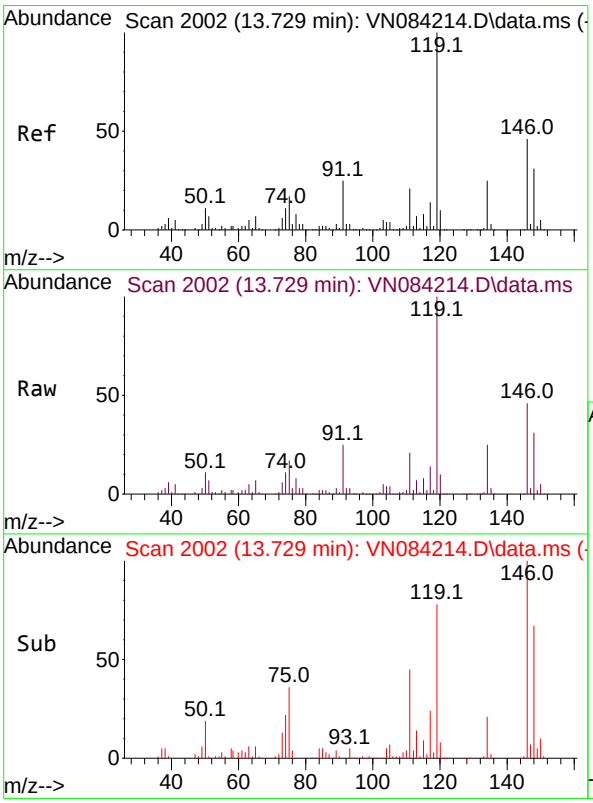
#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 529076

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

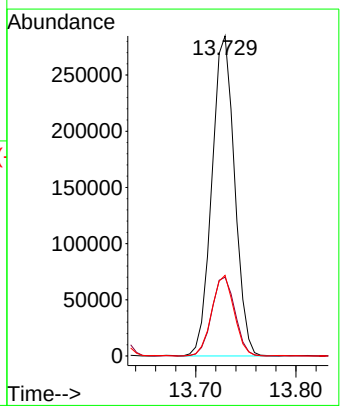


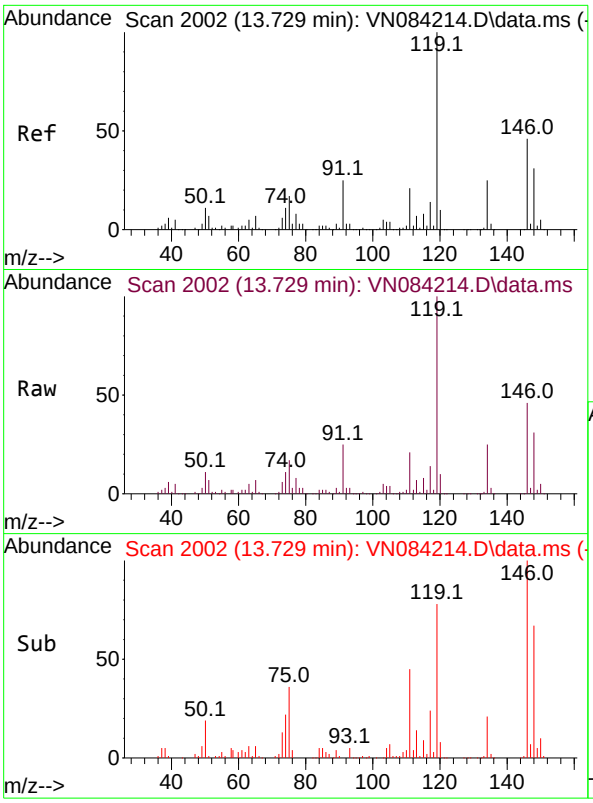


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 448148

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	24.8	12.4	37.2



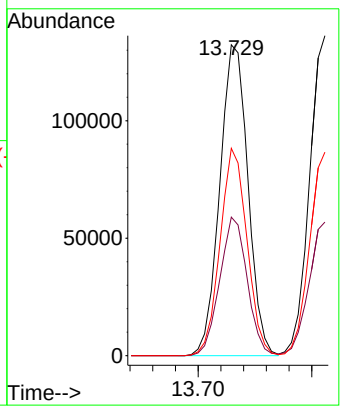


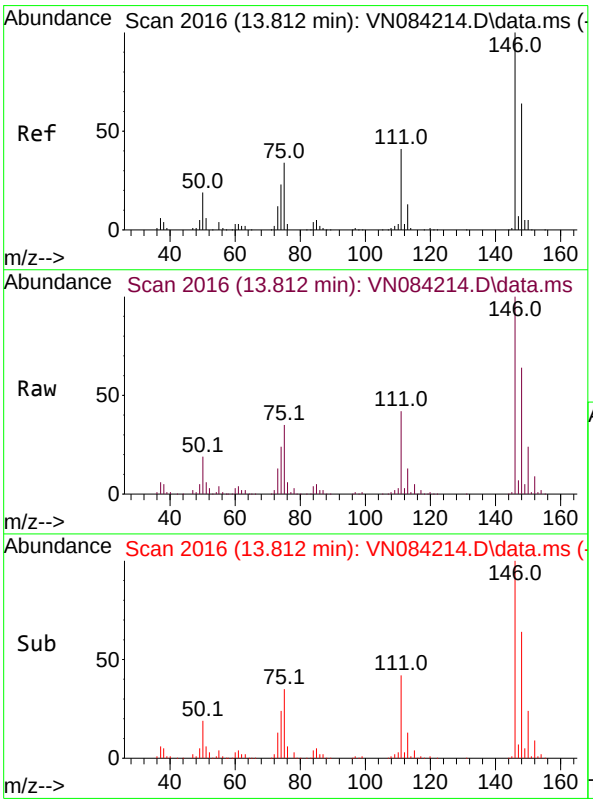
#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 228219

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7

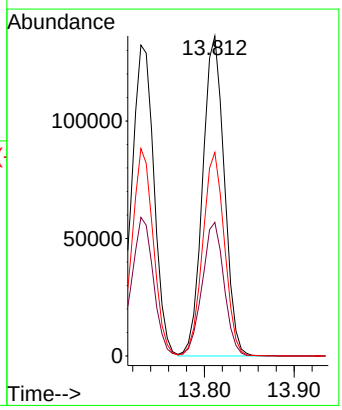


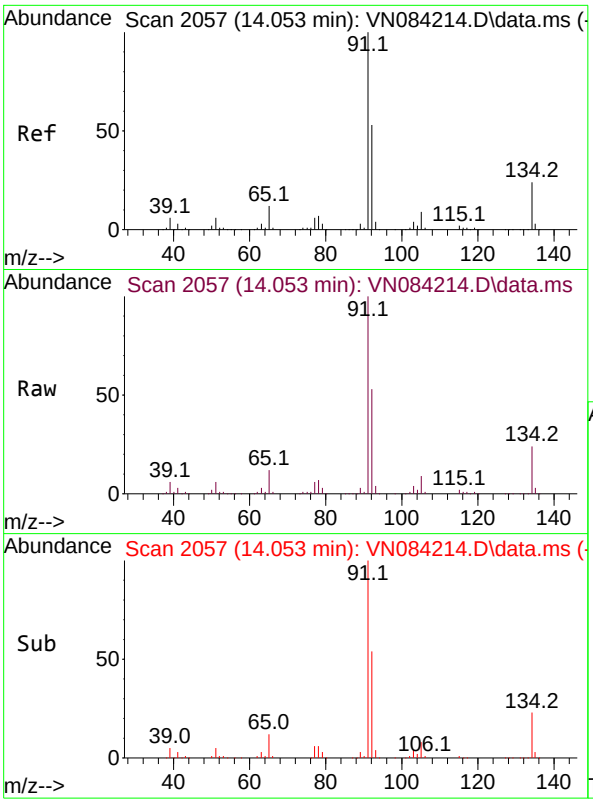


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 227835

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.9	31.9	95.9



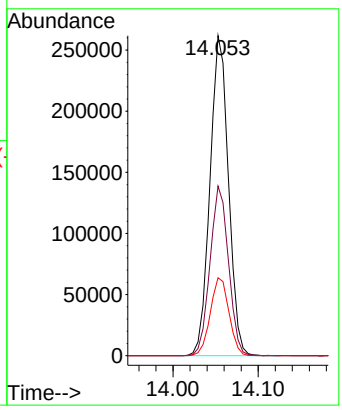


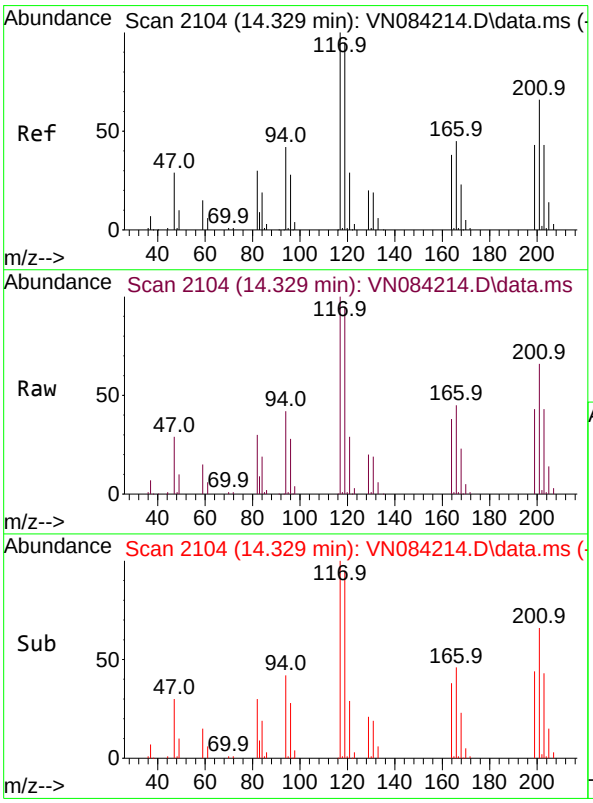
#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 394831

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9

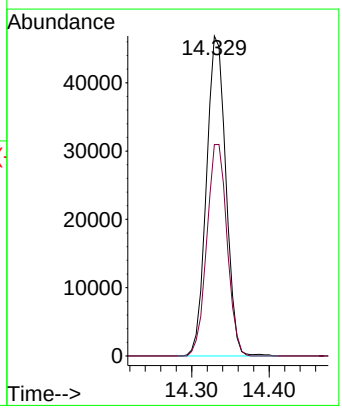


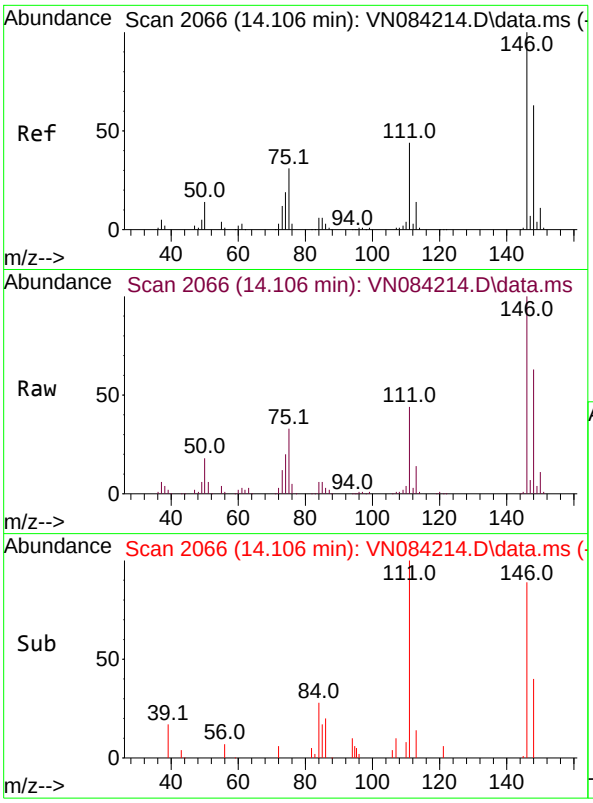


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2



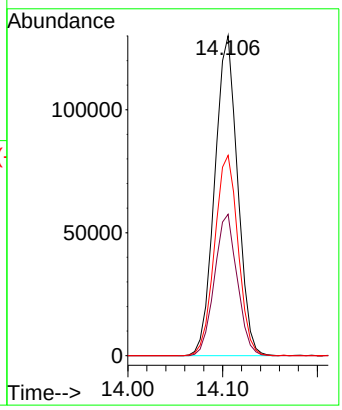


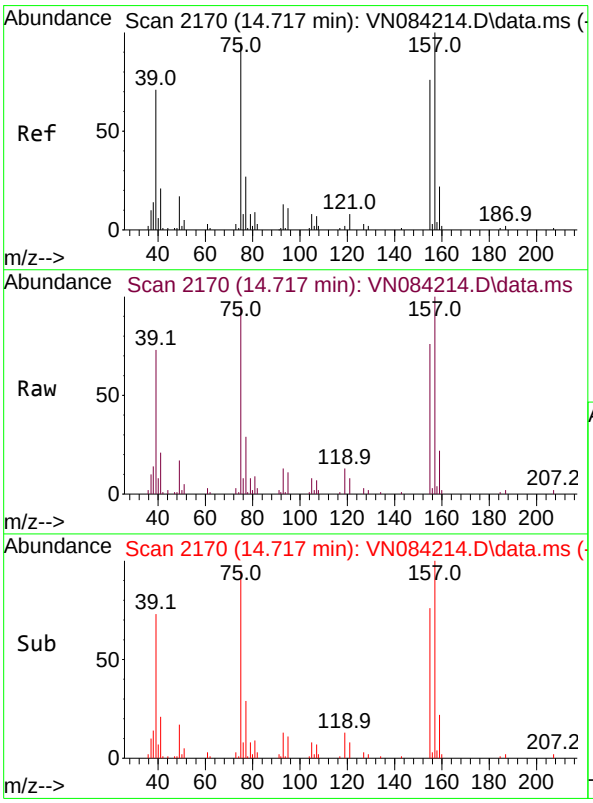
#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 218378

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3

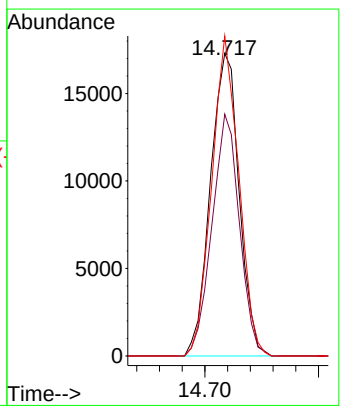


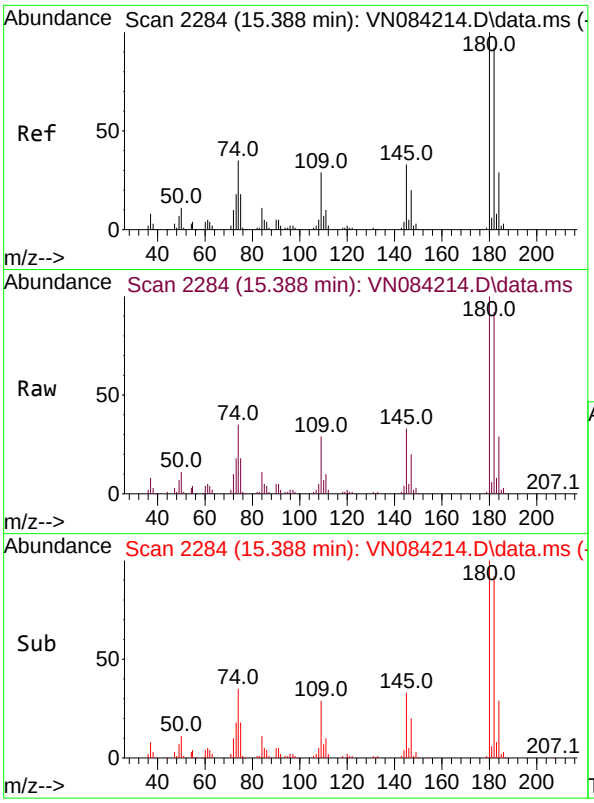


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 30379

Ion	Ratio	Lower	Upper
75	100		
155	76.3	38.1	114.5
157	99.3	49.6	149.0



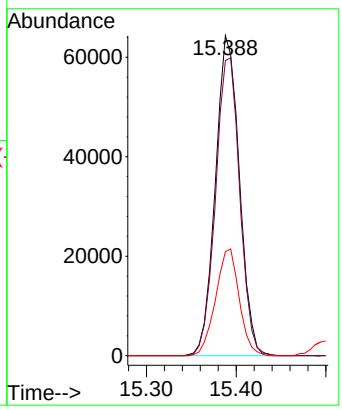


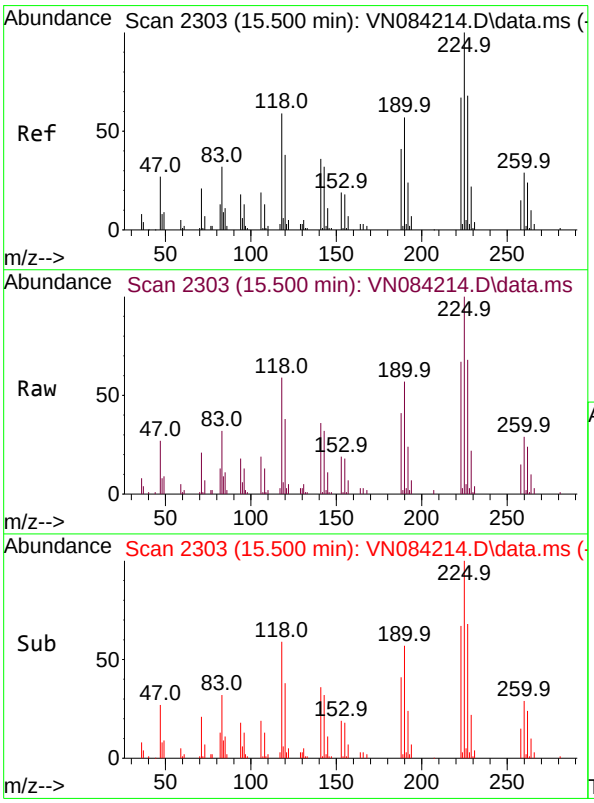
#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 119164

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.9	16.4	49.4

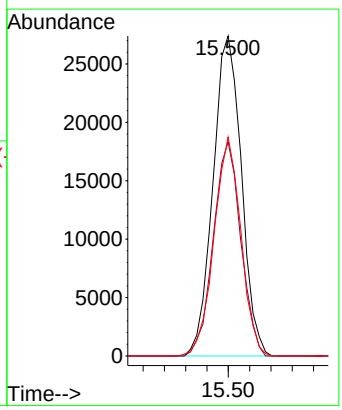


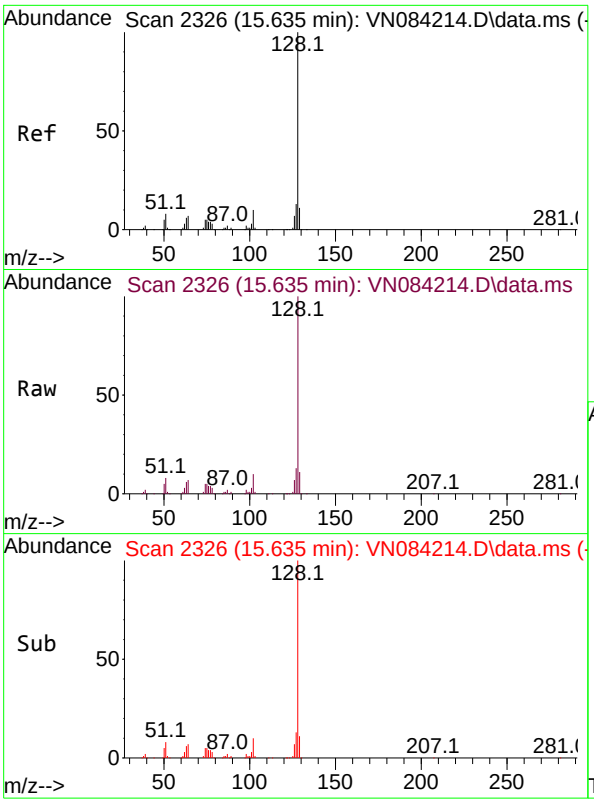


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:225 Resp: 50680

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	64.7	32.4	97.0



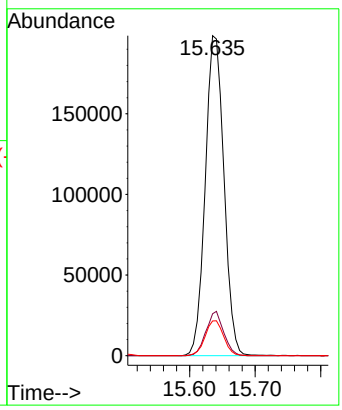


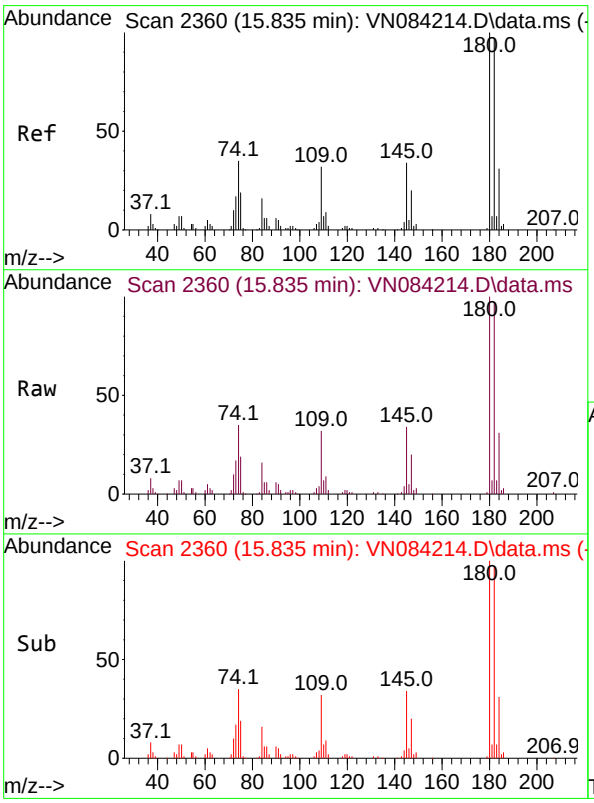
#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 393177

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

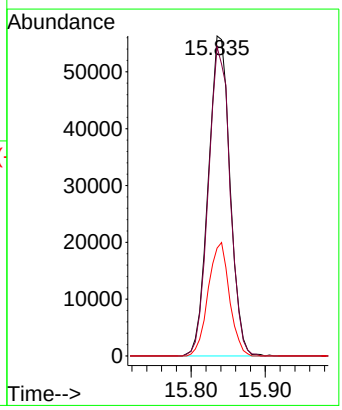




#96
1,2,3-Trichlorobenzene
Concen: 53.701 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 114483

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	178087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	54409	20.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.220%#		
35) Dibromofluoromethane	8.171	113	41903	20.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.360%#		
50) Toluene-d8	10.565	98	152668	20.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.960%#		
62) 4-Bromofluorobenzene	12.847	95	55201	20.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42709	20.275	ug/l	94
3) Chloromethane	2.359	50	48218	20.047	ug/l	99
4) Vinyl Chloride	2.518	62	47375	20.334	ug/l	96
5) Bromomethane	2.942	94	30751	20.010	ug/l	97
6) Chloroethane	3.118	64	30650	18.369	ug/l	96
7) Trichlorofluoromethane	3.495	101	74579	20.557	ug/l	95
8) Diethyl Ether	3.959	74	29090	21.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	42958	20.665	ug/l	99
10) Methyl Iodide	4.589	142	54769	20.458	ug/l	97
11) Tert butyl alcohol	5.518	59	45501	104.506	ug/l	98
12) 1,1-Dichloroethene	4.336	96	42450	21.171	ug/l	95
13) Acrolein	4.183	56	48261	96.553	ug/l	98
14) Allyl chloride	5.024	41	77338	22.208	ug/l	92
15) Acrylonitrile	5.718	53	115451	105.004	ug/l	99
16) Acetone	4.430	43	119948	105.747	ug/l	98
17) Carbon Disulfide	4.706	76	124366	19.590	ug/l	99
18) Methyl Acetate	5.030	43	49436	19.996	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	144972	21.421	ug/l	100
20) Methylene Chloride	5.271	84	47091	20.423	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	44064	20.976	ug/l	92
22) Diisopropyl ether	6.671	45	154575	21.460	ug/l	98
23) Vinyl Acetate	6.600	43	589404	109.739	ug/l	99
24) 1,1-Dichloroethane	6.565	63	82821	20.561	ug/l	98
25) 2-Butanone	7.482	43	165762	107.295	ug/l	100
26) 2,2-Dichloropropane	7.494	77	76824	21.152	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	52758	20.783	ug/l	99
28) Bromochloromethane	7.812	49	34591	19.246	ug/l	99
29) Tetrahydrofuran	7.835	42	100146	105.041	ug/l	99
30) Chloroform	7.965	83	85848	20.517	ug/l	99
31) Cyclohexane	8.253	56	77216	19.743	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	77552	20.637	ug/l	97
36) 1,1-Dichloropropene	8.371	75	61556	20.918	ug/l	99
37) Ethyl Acetate	7.559	43	61023	20.213	ug/l	99
38) Carbon Tetrachloride	8.359	117	67913	21.039	ug/l	95
39) Methylcyclohexane	9.600	83	70956	21.665	ug/l	99
40) Benzene	8.606	78	191581	20.896	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	34943	21.320	ug/l		99
42) 1,2-Dichloroethane	8.671	62	64453	20.736	ug/l		99
43) Isopropyl Acetate	8.688	43	114278	19.334	ug/l		99
44) Trichloroethene	9.347	130	44412	20.740	ug/l		98
45) 1,2-Dichloropropane	9.618	63	46651	21.509	ug/l		100
46) Dibromomethane	9.706	93	31672	21.639	ug/l		97
47) Bromodichloromethane	9.888	83	68343	21.017	ug/l		96
48) Methyl methacrylate	9.682	41	50498	21.453	ug/l		98
49) 1,4-Dioxane	9.700	88	18411	424.848	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	313636	109.132	ug/l		99
52) Toluene	10.629	92	118412	21.179	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	70403	21.240	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74778	20.973	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	42631	21.270	ug/l		98
56) Ethyl methacrylate	10.871	69	72159	21.880	ug/l		99
57) 1,3-Dichloropropane	11.159	76	75915	21.197	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	142843	93.367	ug/l		99
59) 2-Hexanone	11.194	43	237694	110.658	ug/l		100
60) Dibromochloromethane	11.359	129	50326	21.251	ug/l		97
61) 1,2-Dibromoethane	11.470	107	44554	21.393	ug/l		98
64) Tetrachloroethene	11.100	164	38055	20.179	ug/l		97
65) Chlorobenzene	11.888	112	123787	20.620	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44285	21.417	ug/l		96
67) Ethyl Benzene	11.959	91	219635	20.688	ug/l		98
68) m/p-Xylenes	12.070	106	168826	42.989	ug/l		98
69) o-Xylene	12.394	106	79896	21.503	ug/l		98
70) Styrene	12.412	104	134066	21.302	ug/l		98
71) Bromoform	12.576	173	32824	21.561	ug/l	#	99
73) Isopropylbenzene	12.694	105	207217	21.254	ug/l		99
74) N-amyl acetate	12.494	43	93392	21.154	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	60656	20.690	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	81444	31.983	ug/l		61
77) Bromobenzene	12.976	156	48803	20.752	ug/l		98
78) n-propylbenzene	13.035	91	241164	21.350	ug/l		98
79) 2-Chlorotoluene	13.123	91	147738	20.497	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	171600	21.577	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22222	20.426	ug/l		92
82) 4-Chlorotoluene	13.217	91	151387	20.864	ug/l		100
83) tert-Butylbenzene	13.435	119	147727	20.899	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	176283	22.004	ug/l		99
85) sec-Butylbenzene	13.611	105	205477	21.784	ug/l		99
86) p-Isopropyltoluene	13.729	119	171766	22.022	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	90970	20.620	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	88628	19.893	ug/l		96
89) n-Butylbenzene	14.053	91	151334	21.398	ug/l		100
90) Hexachloroethane	14.335	117	32554	20.562	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	88942	20.560	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12914	21.347	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	47149	22.128	ug/l		99
94) Hexachlorobutadiene	15.500	225	22742	21.402	ug/l		97
95) Naphthalene	15.641	128	149988	21.233	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	46153	21.639	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

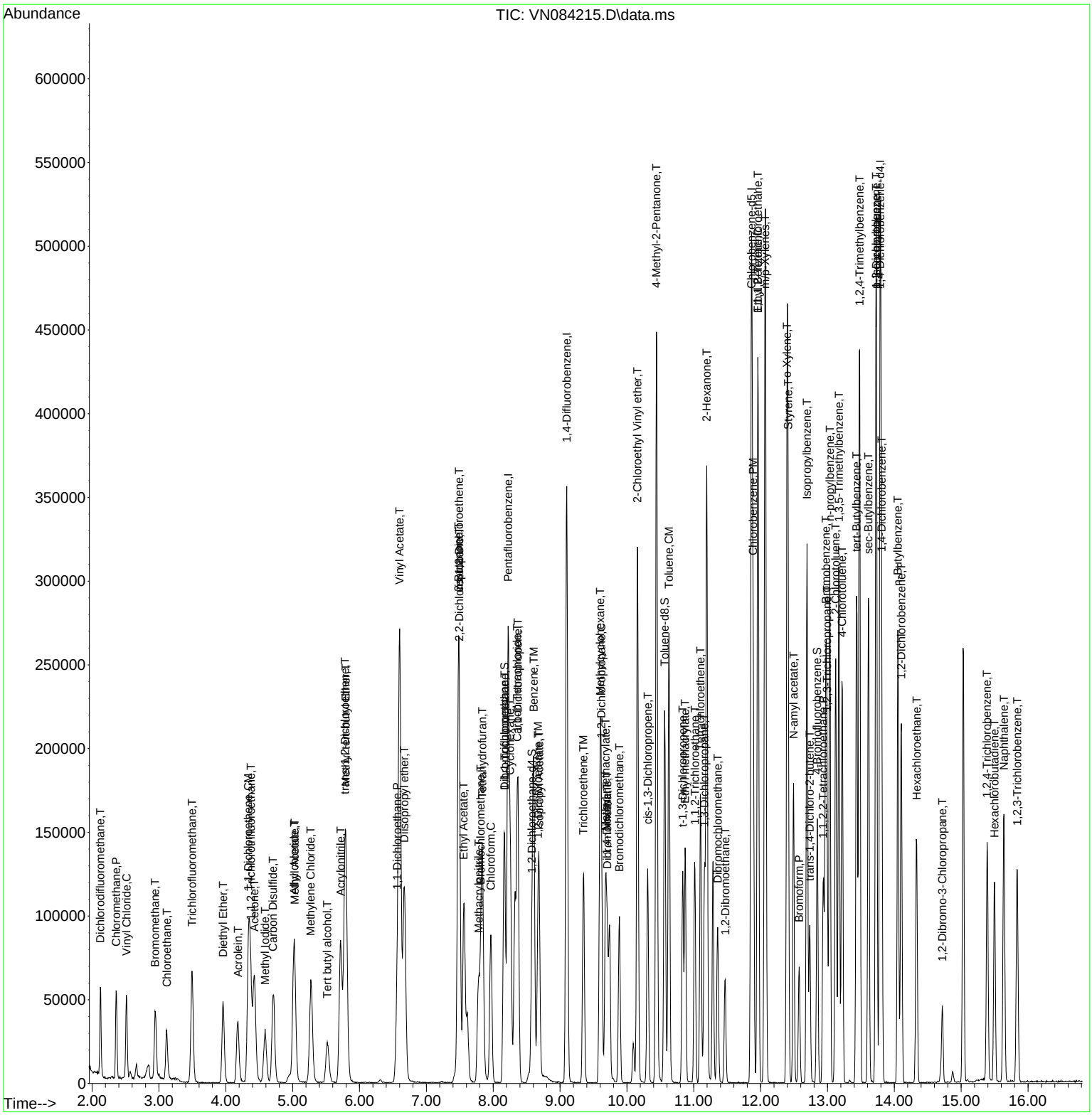
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

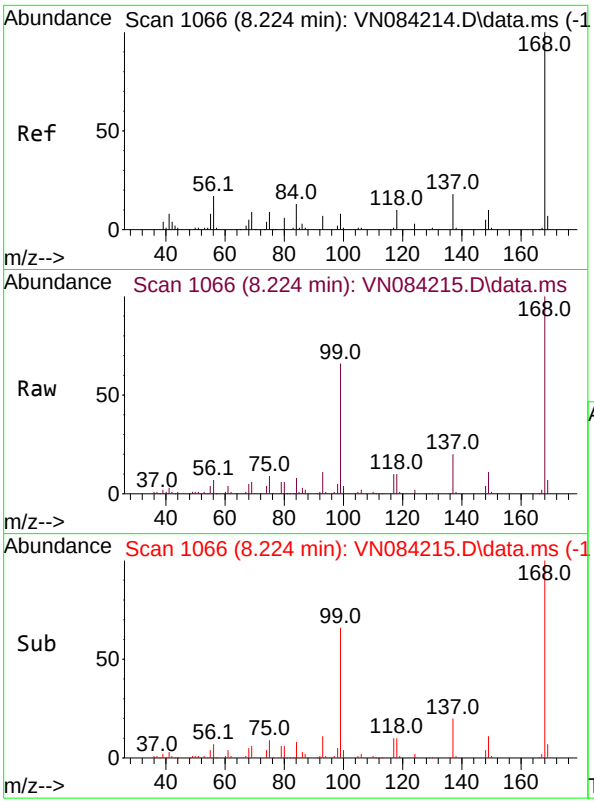
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



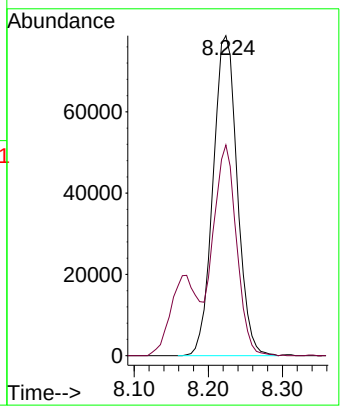


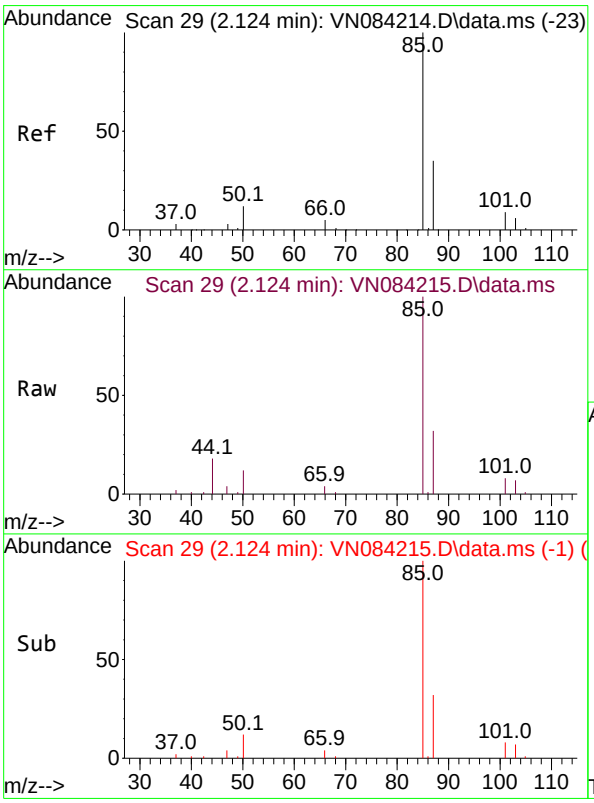
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 178087

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2

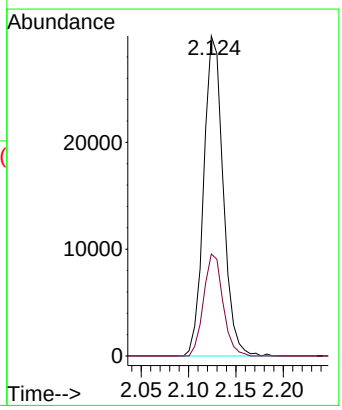


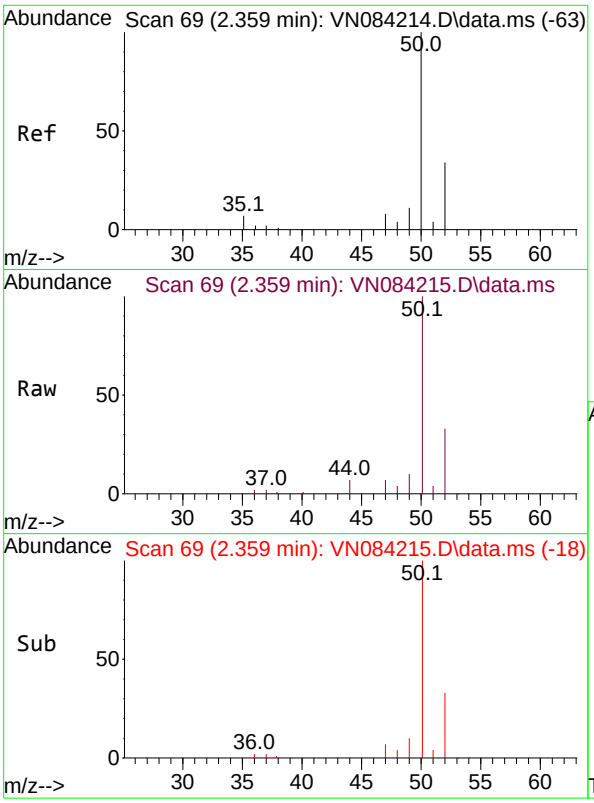


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



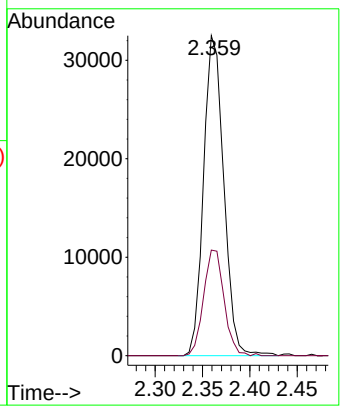


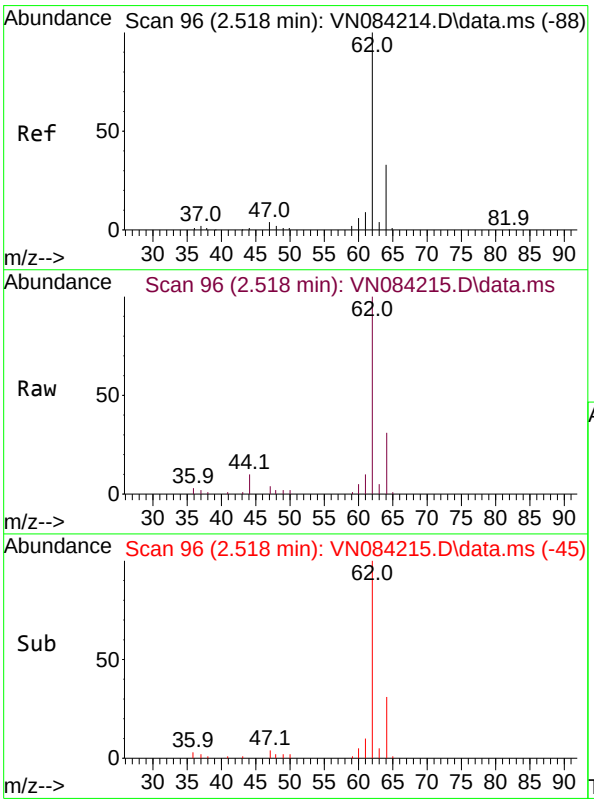
#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 48218

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

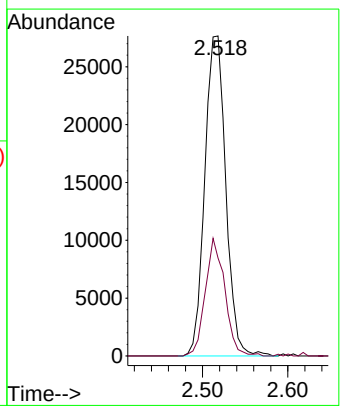


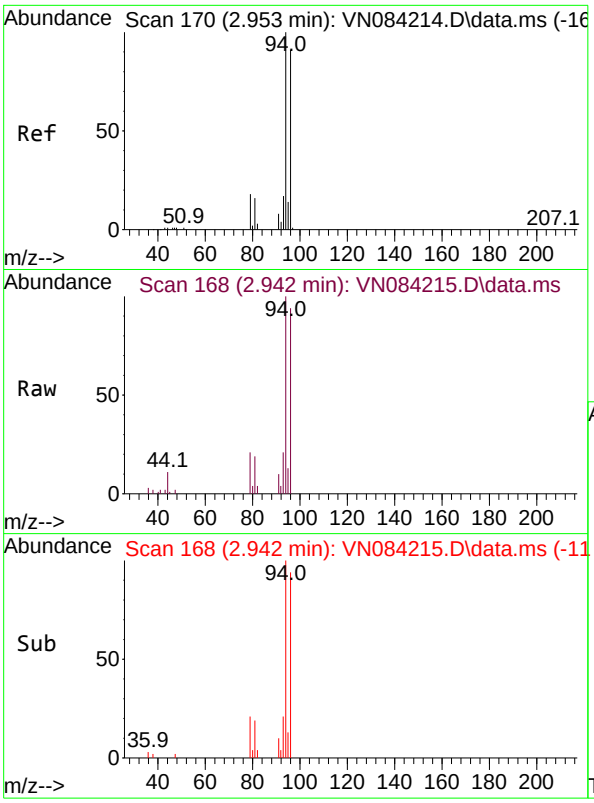


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4



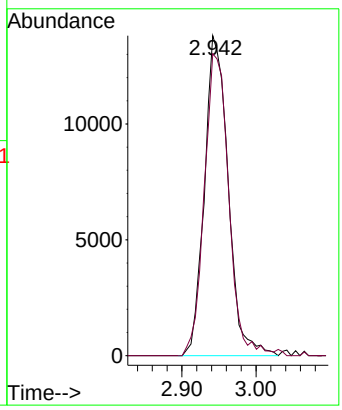


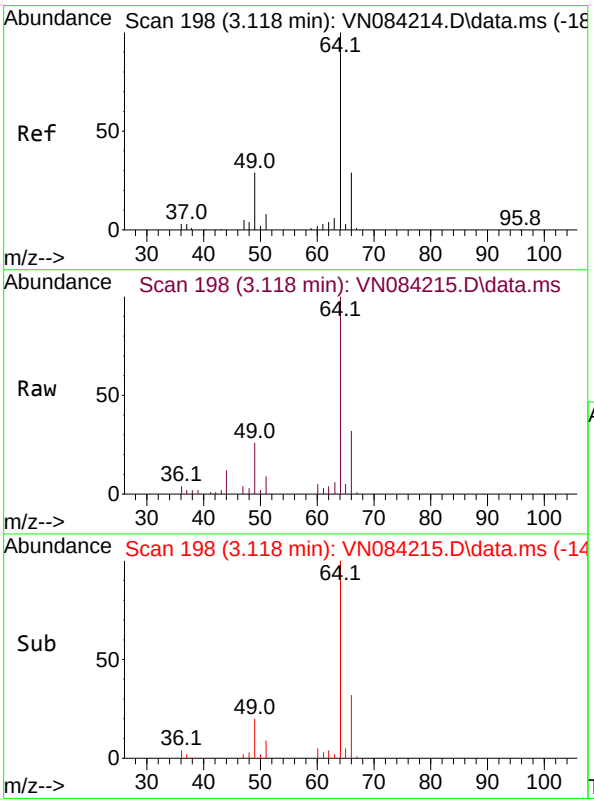
#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 30751

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3

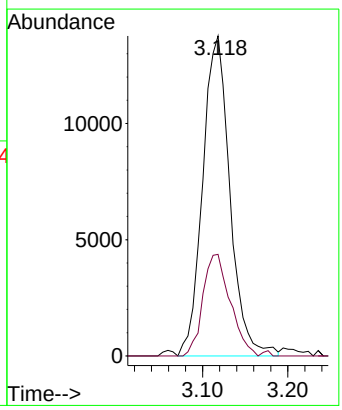


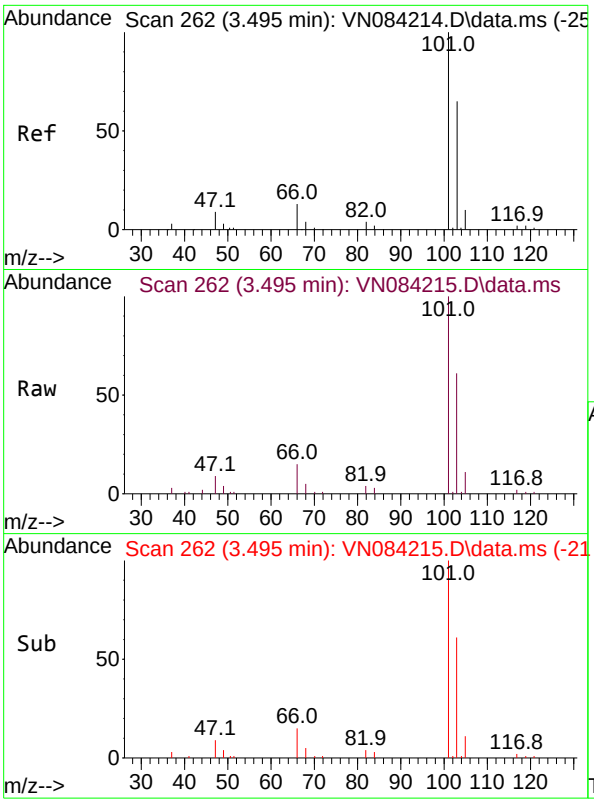


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3



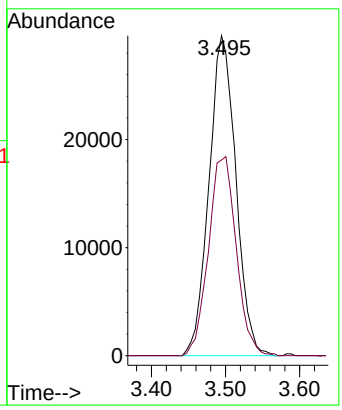


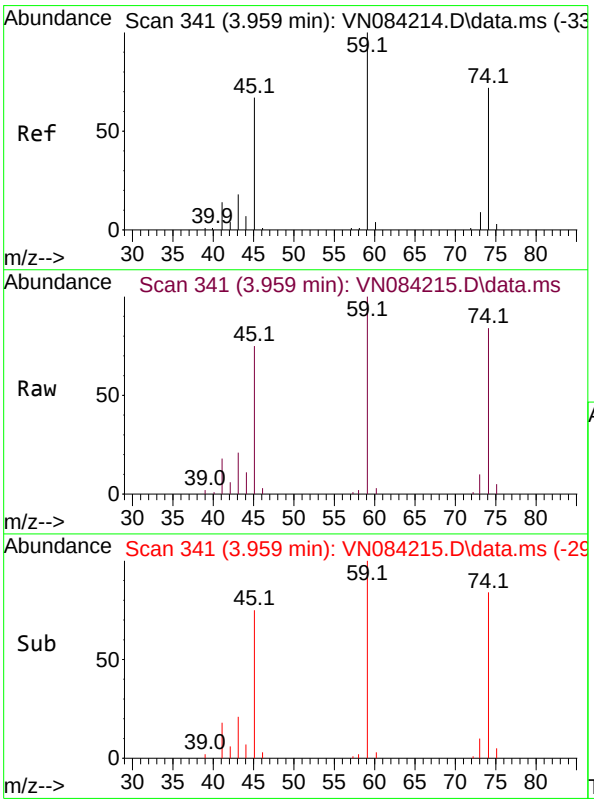
#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 74579

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6

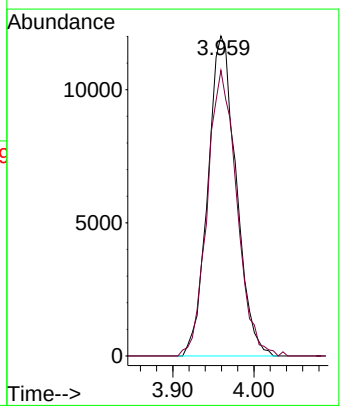


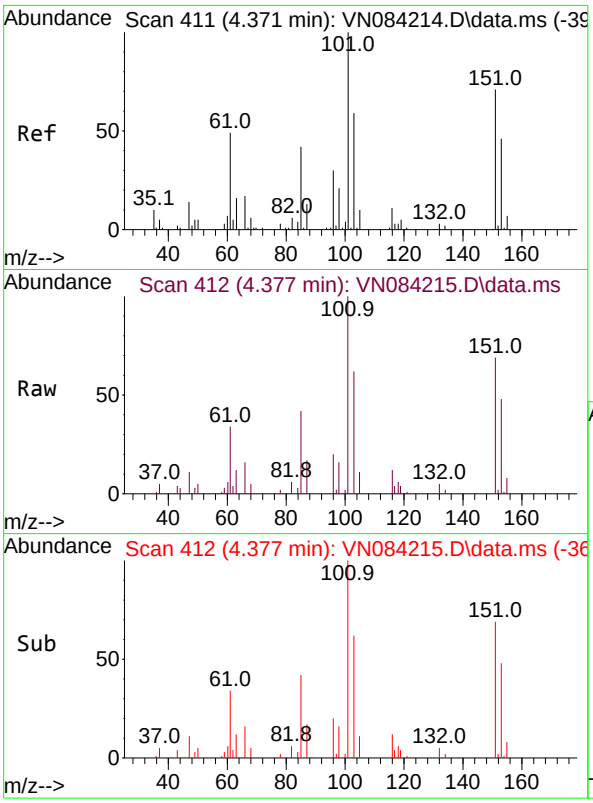


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1



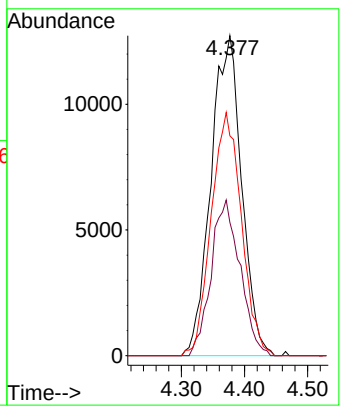


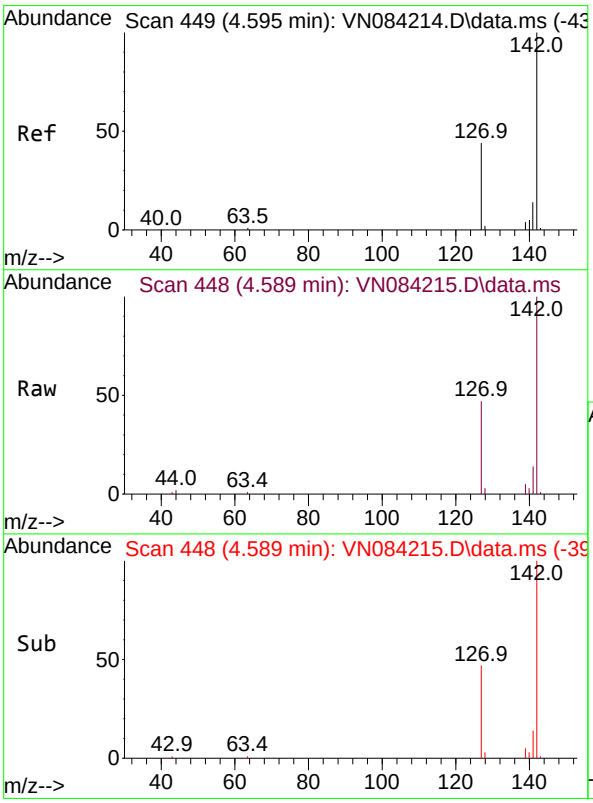
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42958

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	74.9	59.3	88.9

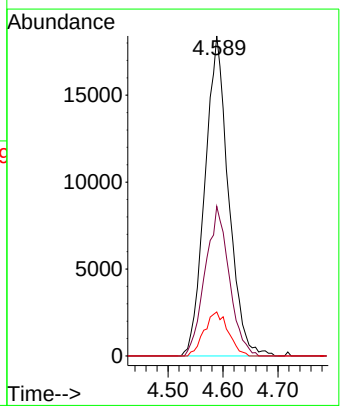


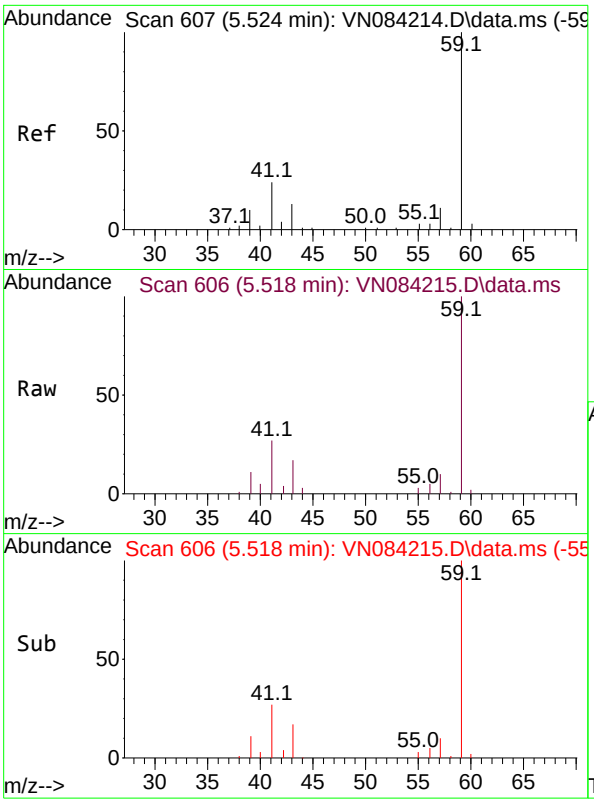


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:142 Resp: 54769

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	13.7	11.0	16.6



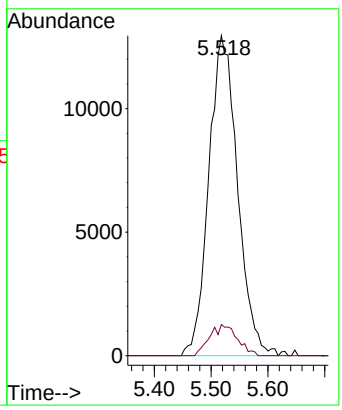


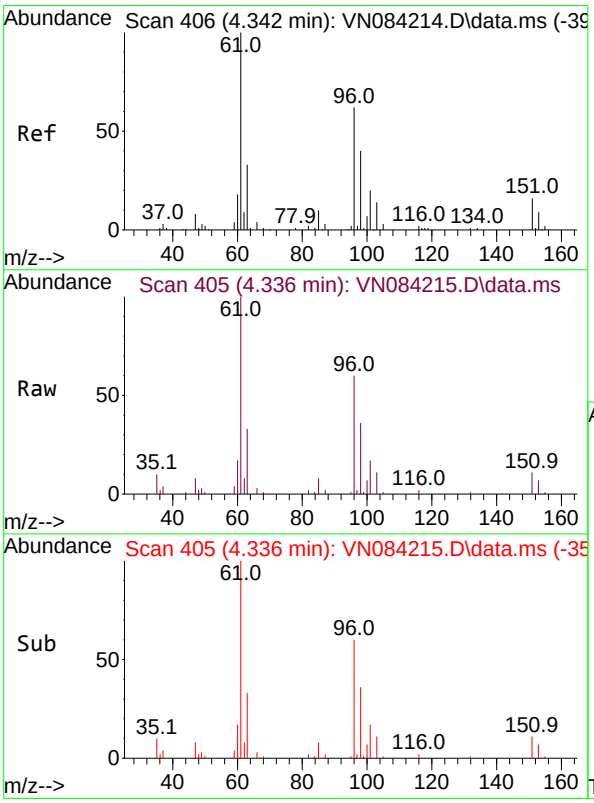
#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 45501

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

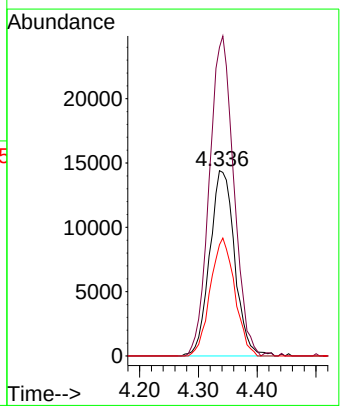


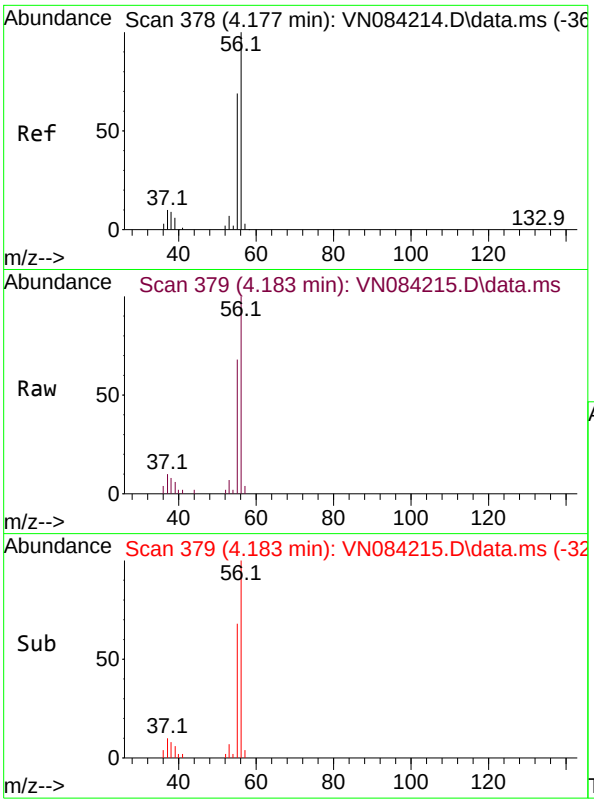


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 42450

Ion	Ratio	Lower	Upper
96	100		
61	166.5	128.6	192.8
98	60.0	51.7	77.5



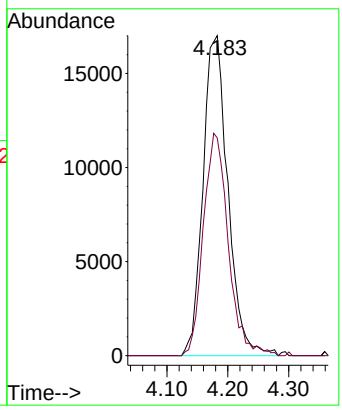


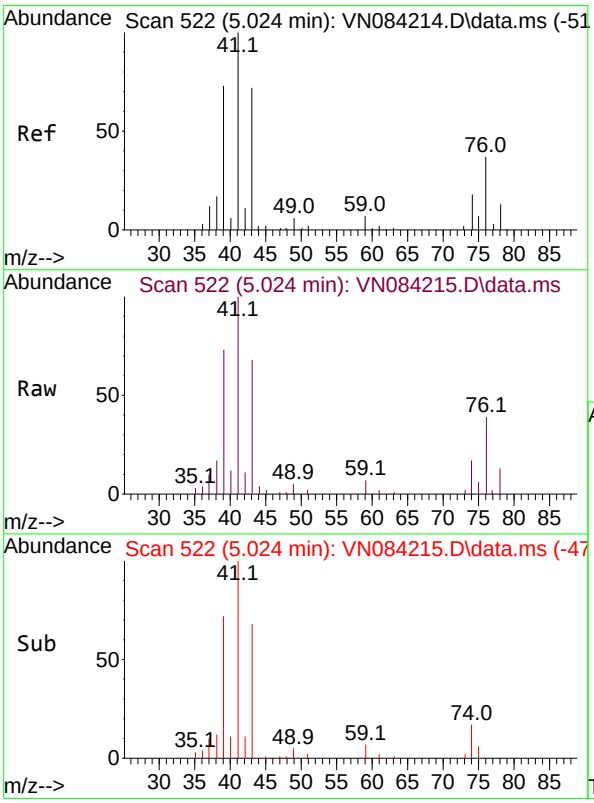
#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 48261

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8

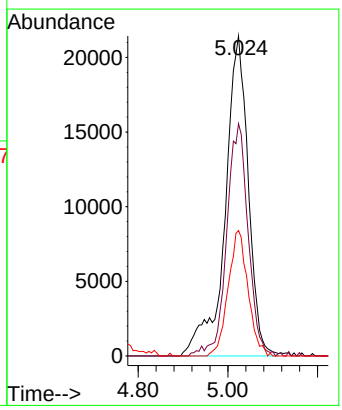


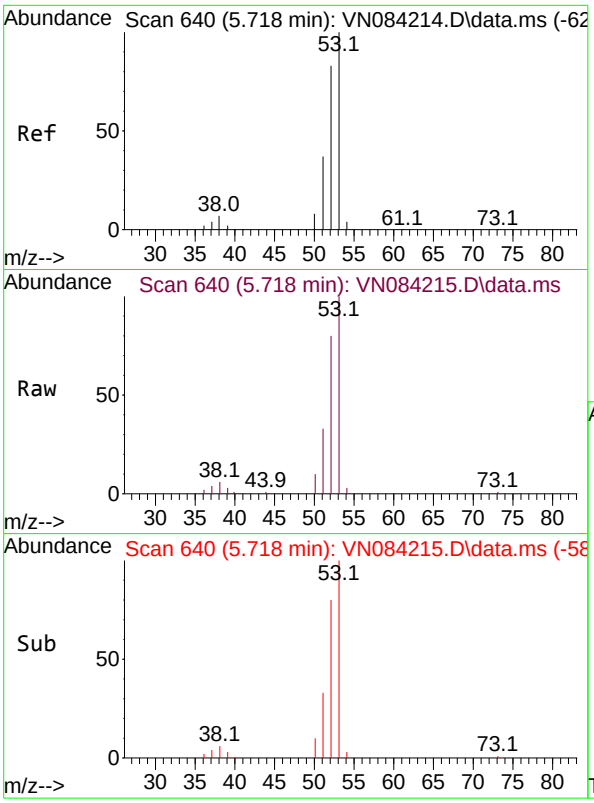


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 77338

Ion	Ratio	Lower	Upper
41	100		
39	66.9	59.0	88.6
76	33.5	29.8	44.6



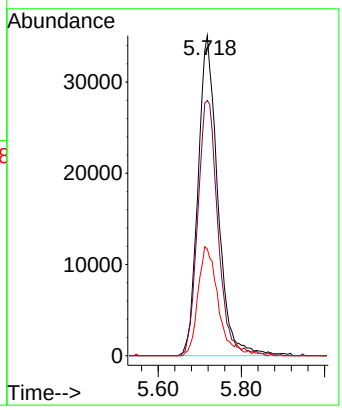


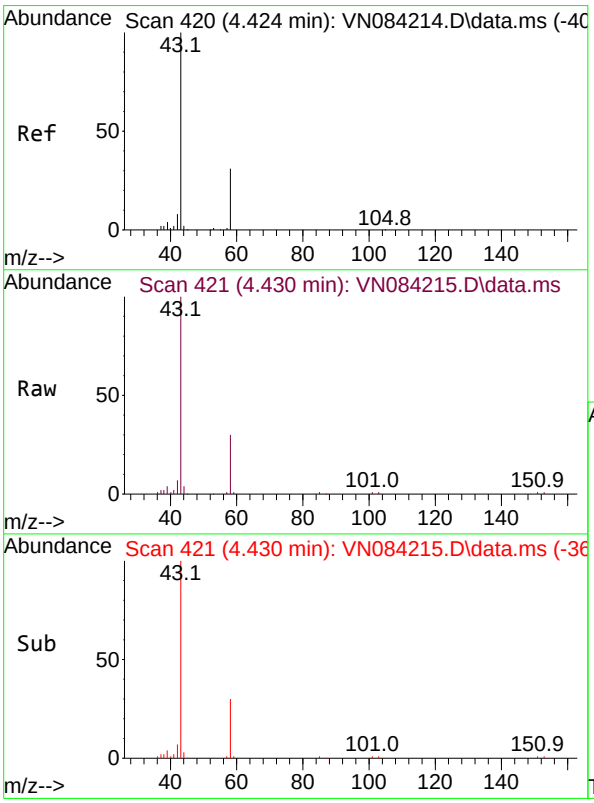
#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 115451

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.2	28.8	43.2

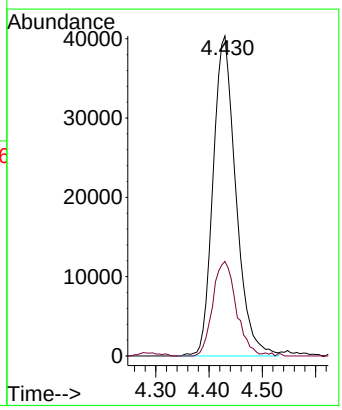


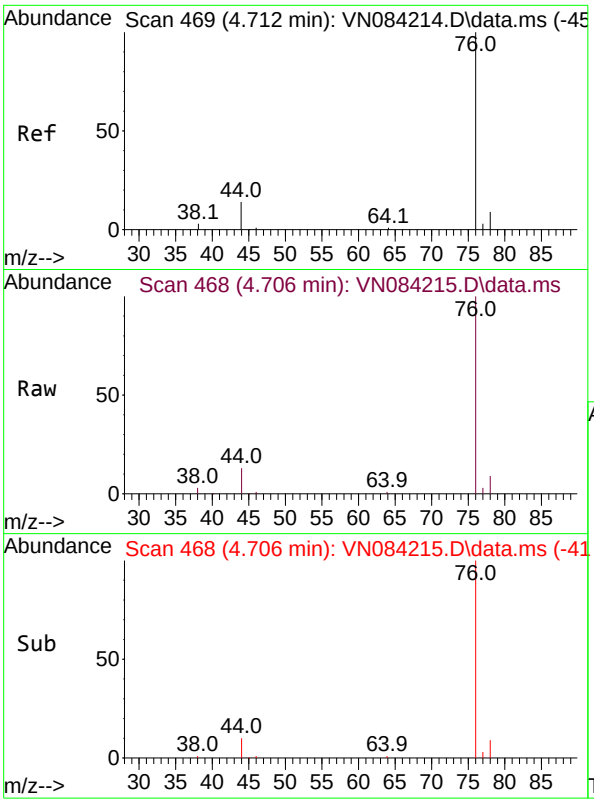


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



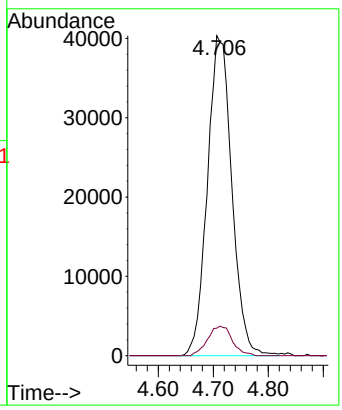


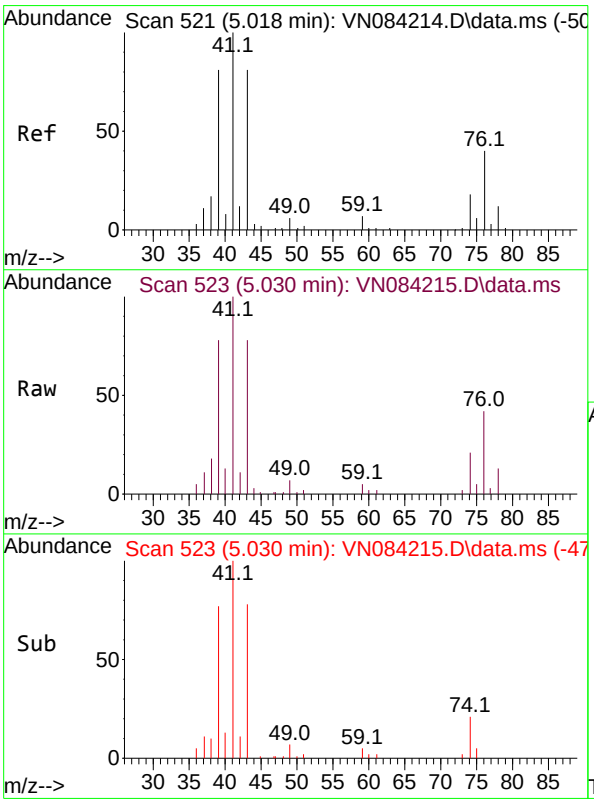
#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 124366

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

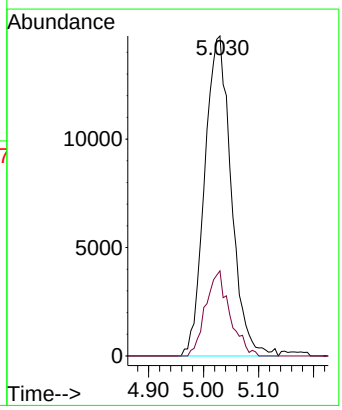


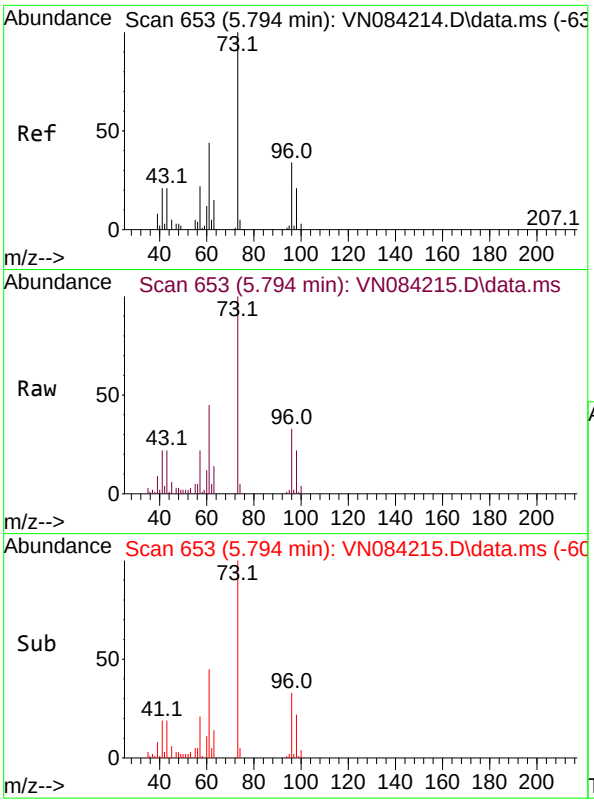


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8



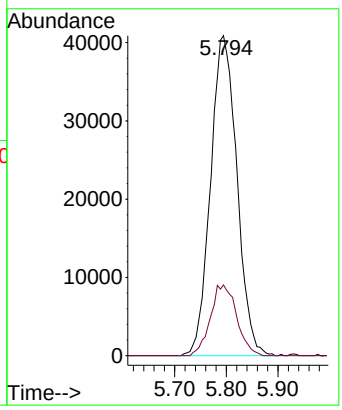


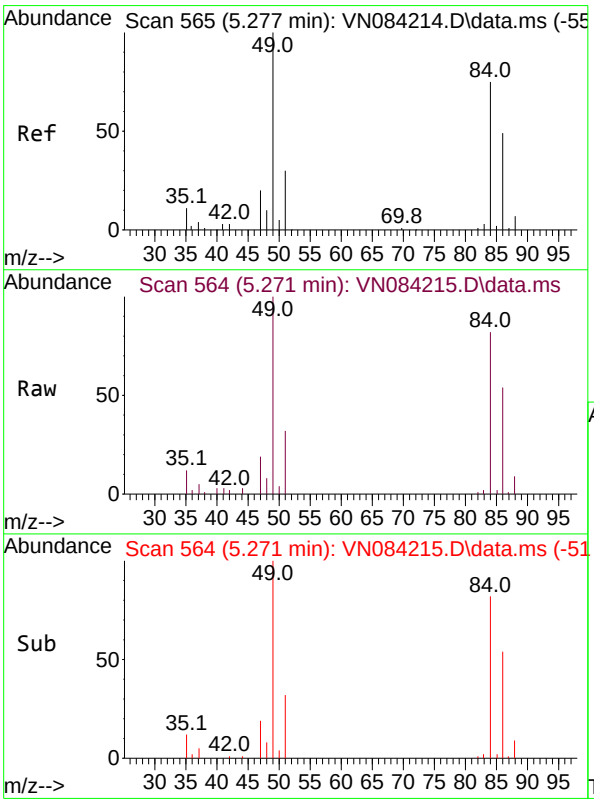
#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 144972

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

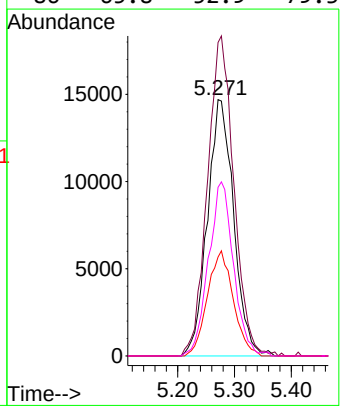


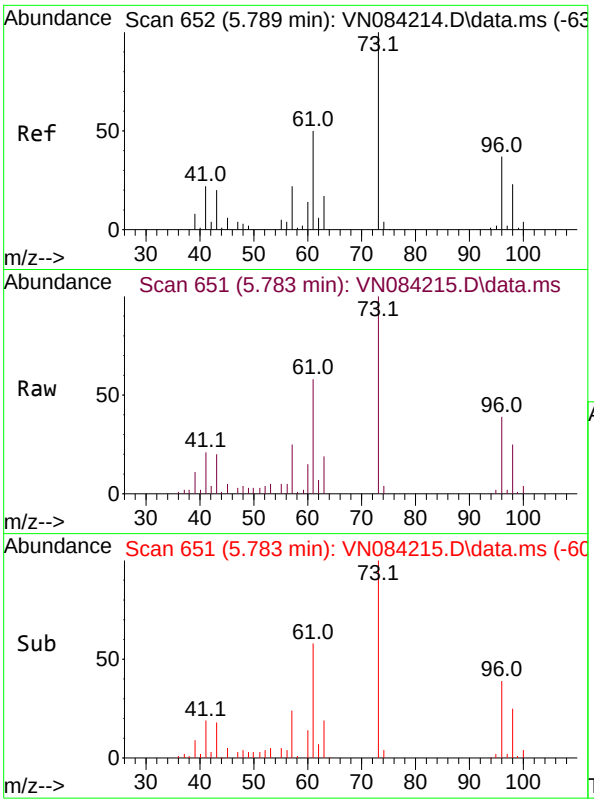


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 84 Resp: 47091

Ion	Ratio	Lower	Upper
84	100		
49	122.3	107.2	160.8
51	38.6	31.8	47.8
86	65.8	52.9	79.3



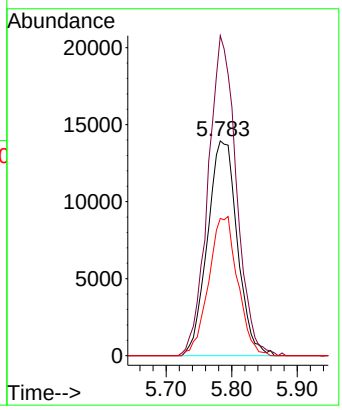


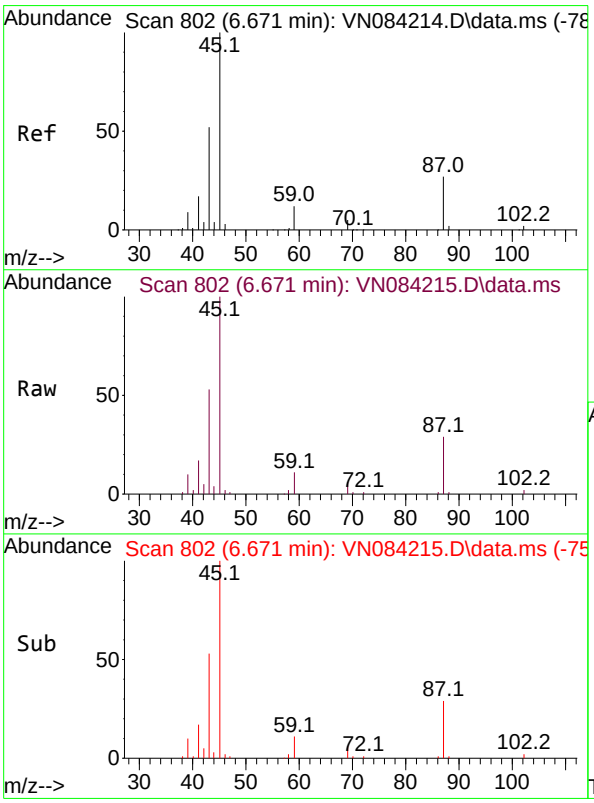
#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44064

Ion	Ratio	Lower	Upper
96	100		
61	149.0	108.4	162.6
98	63.9	49.8	74.8

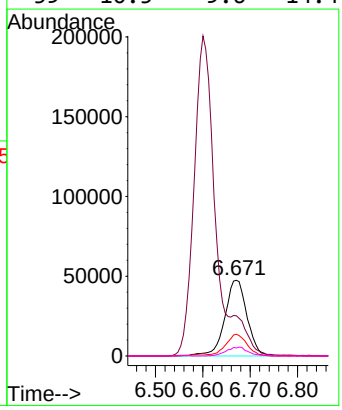


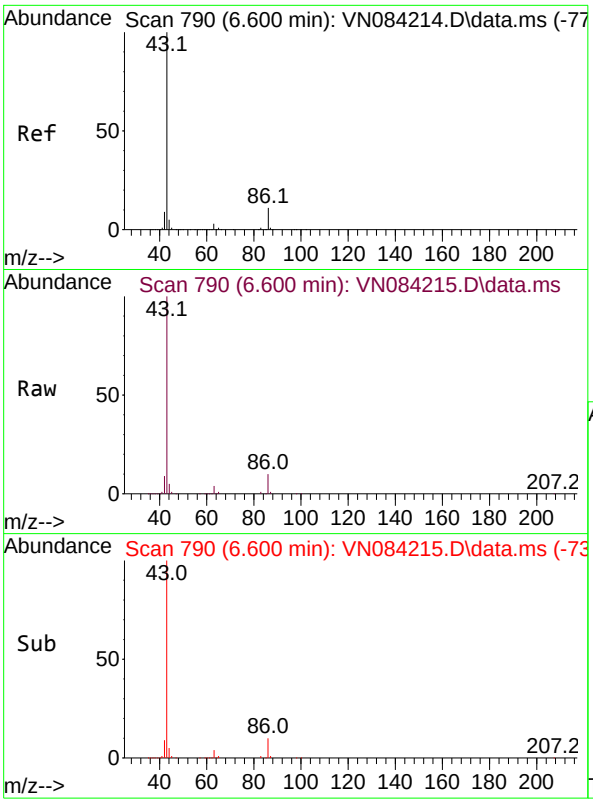


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 45 Resp: 154575

Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.3	63.5
87	28.8	21.8	32.6
59	10.5	9.6	14.4



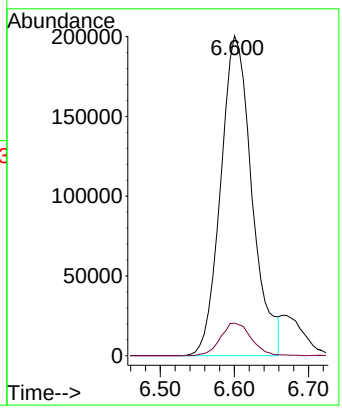


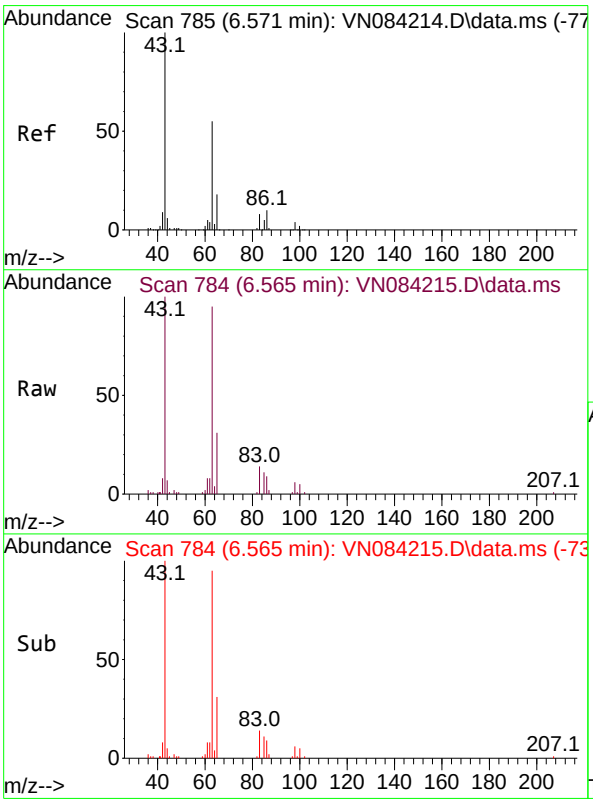
#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 589404

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8

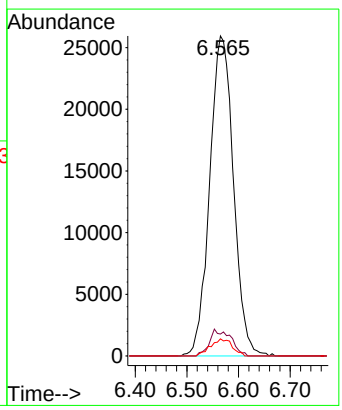


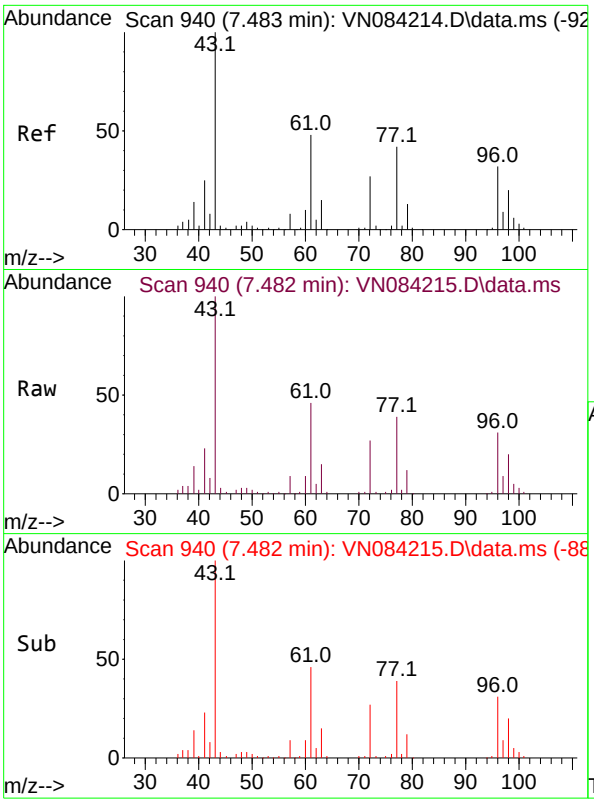


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 82821

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.3	2.0	5.8



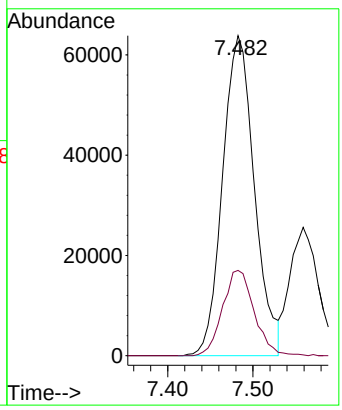


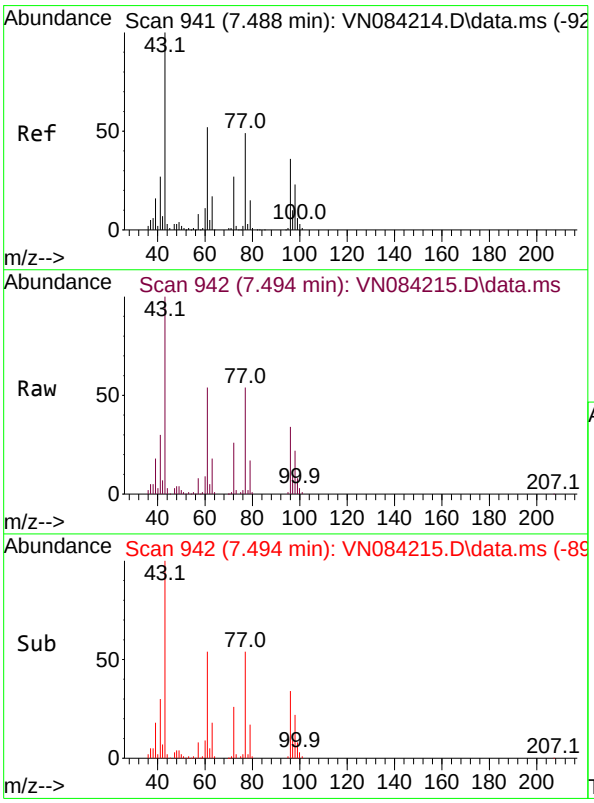
#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 165762

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2

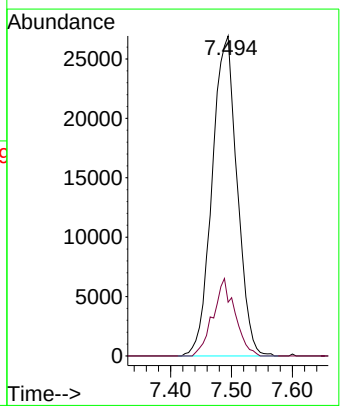


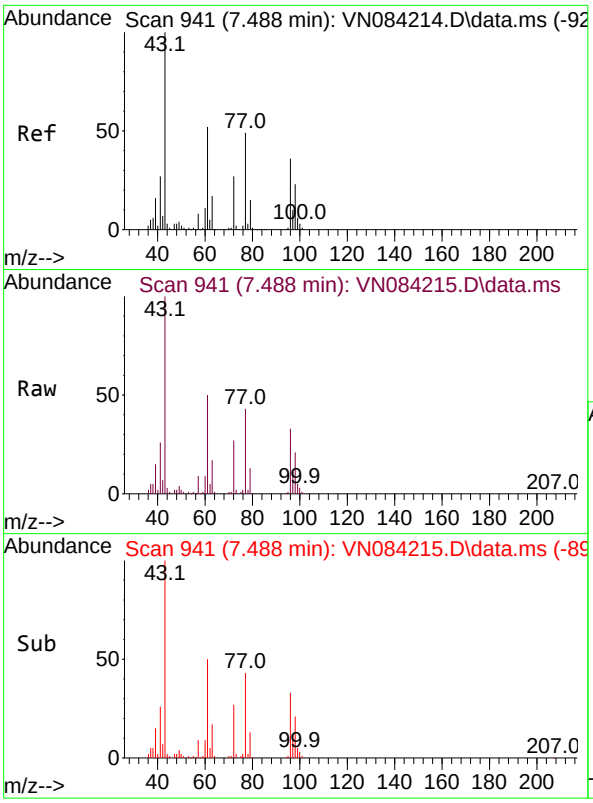


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3



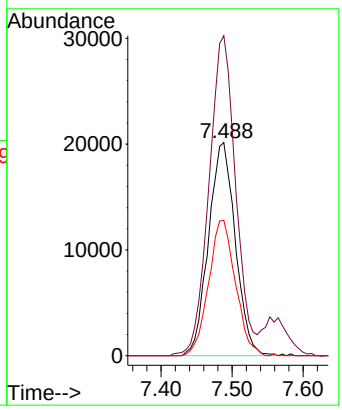


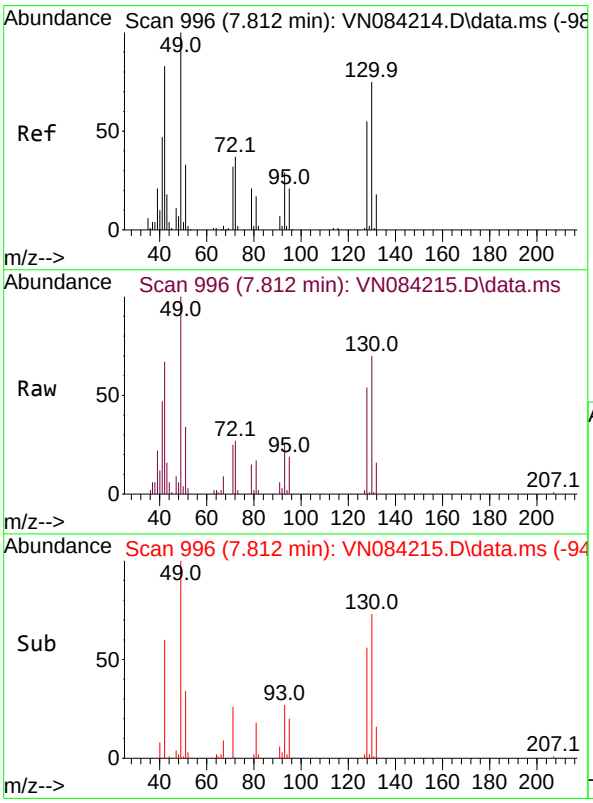
#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 52758

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	301.8
98	63.6	0.0	128.2

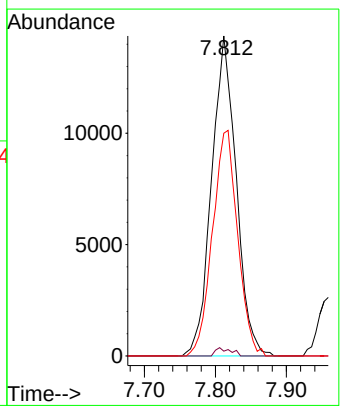


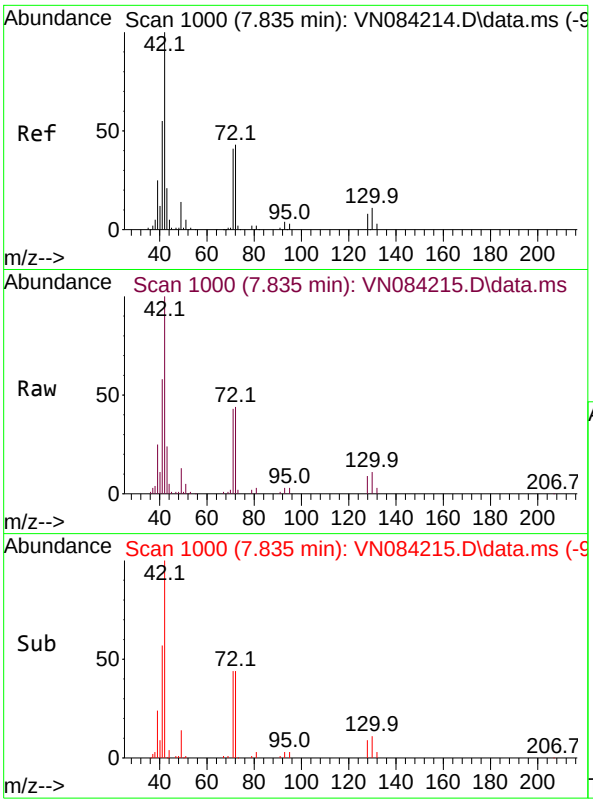


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 49 Resp: 34591

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	71.9	58.0	87.0



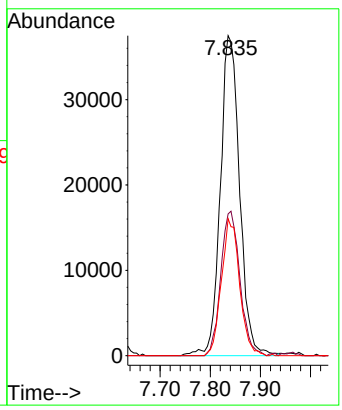


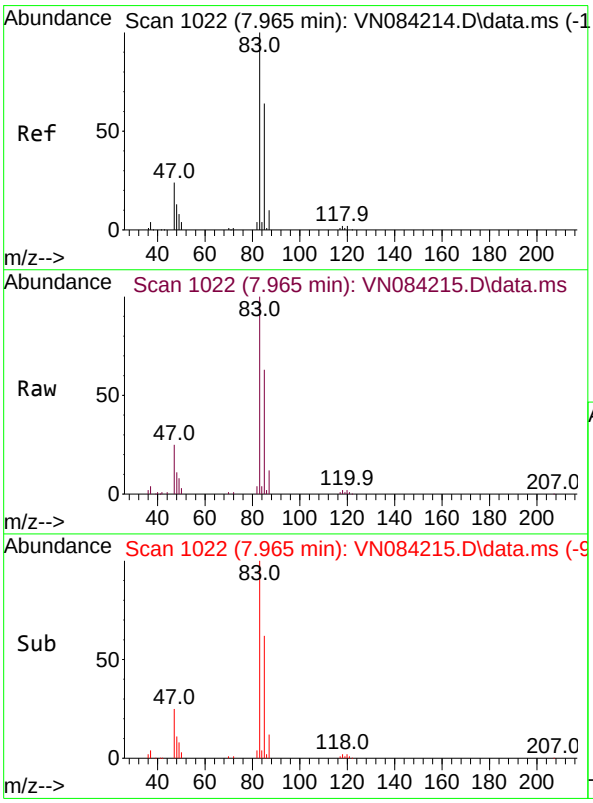
#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 100146

Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	40.3	32.2	48.4

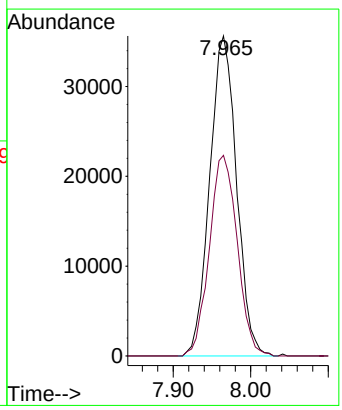


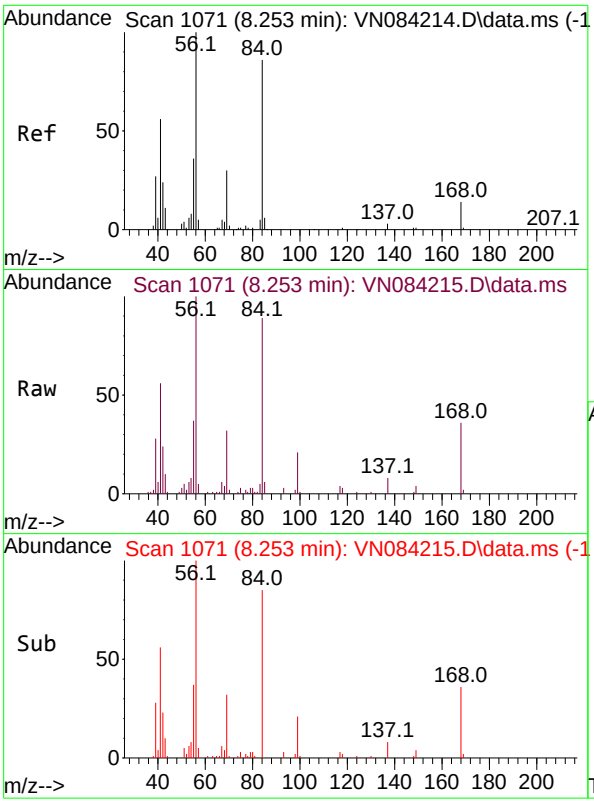


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4



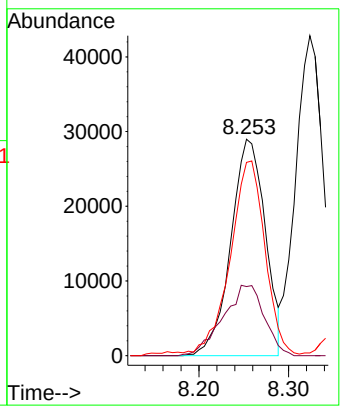


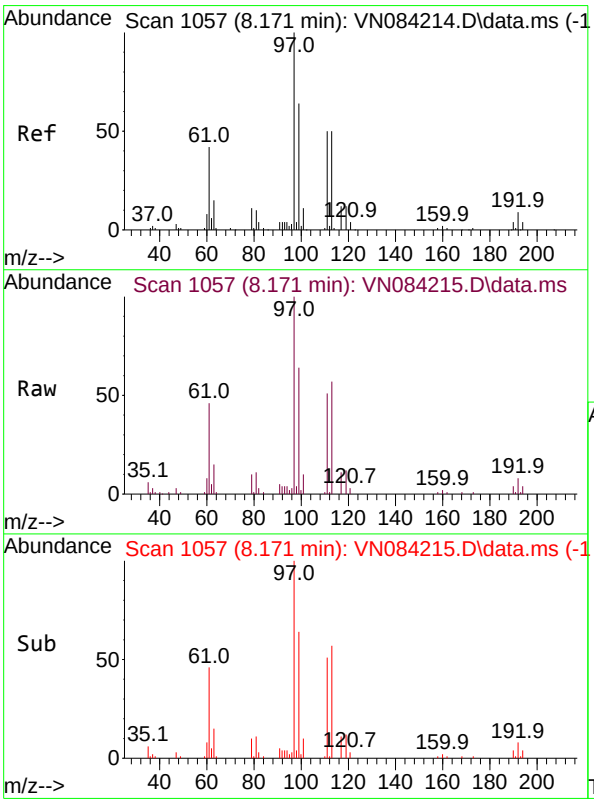
#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 77216

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	87.6	68.8	103.2

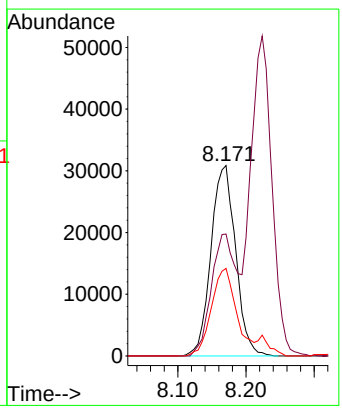


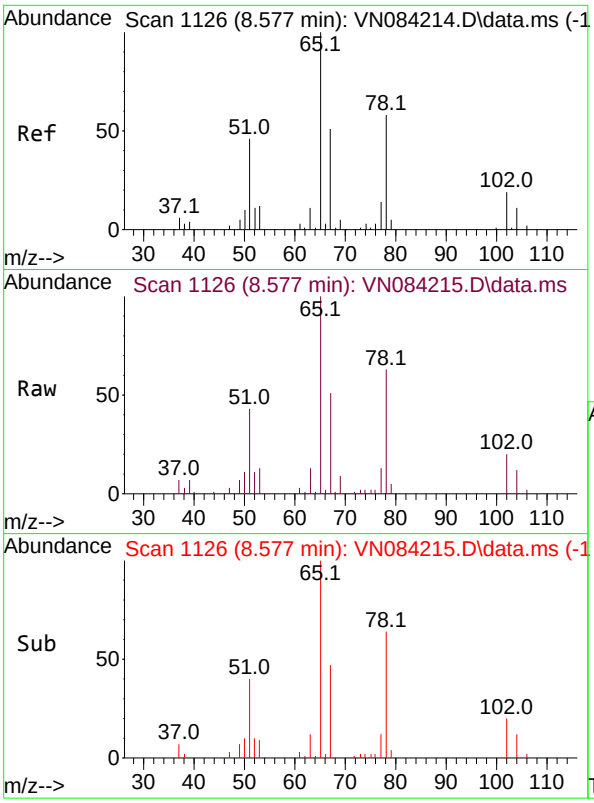


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 77552

Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.2	76.8
61	46.9	37.5	56.3



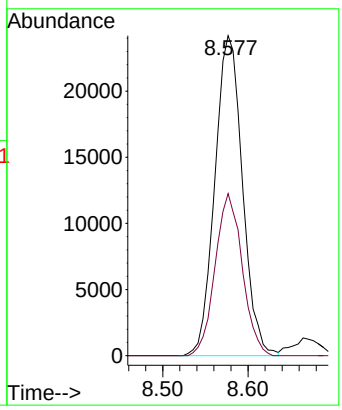


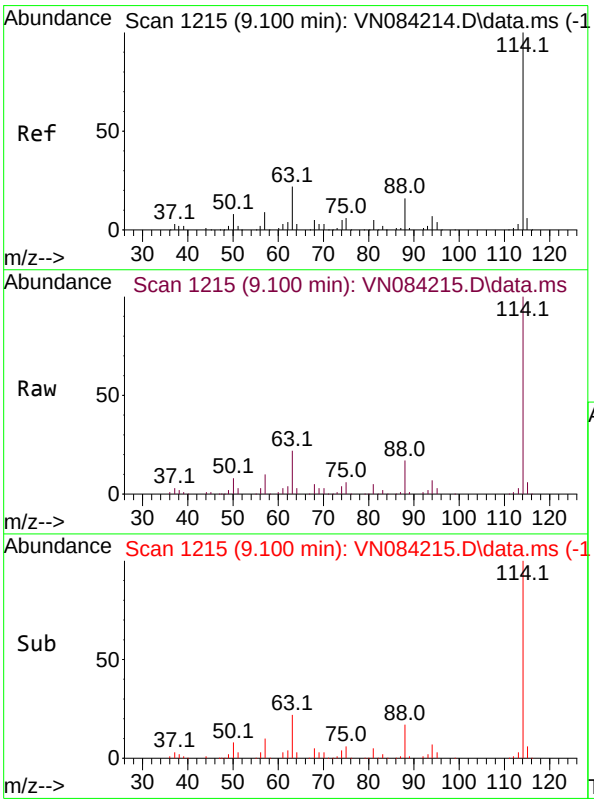
#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 54409

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0

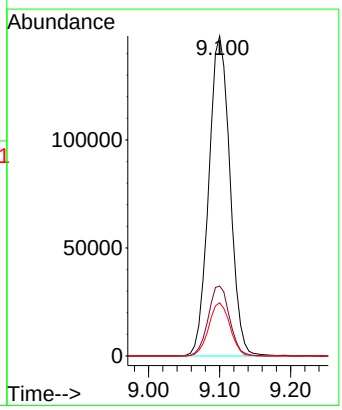


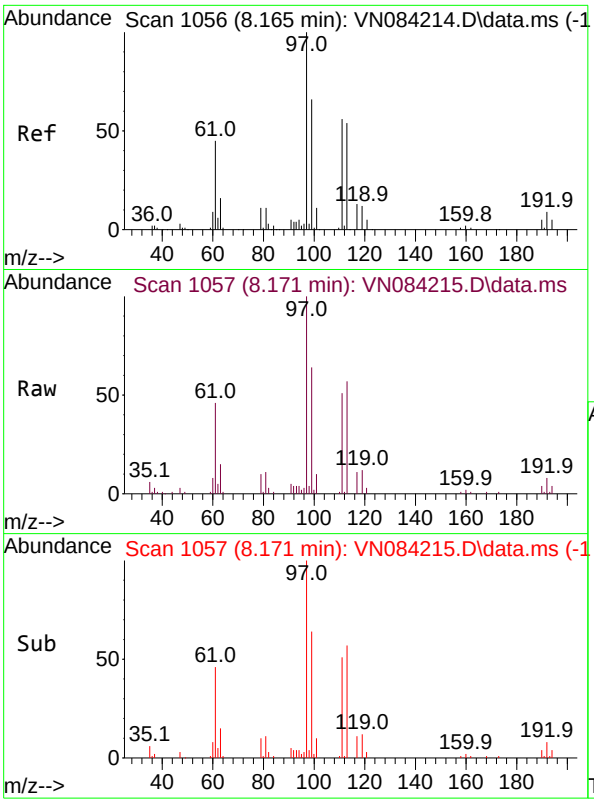


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:114 Resp: 307298

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.6	0.0	31.6



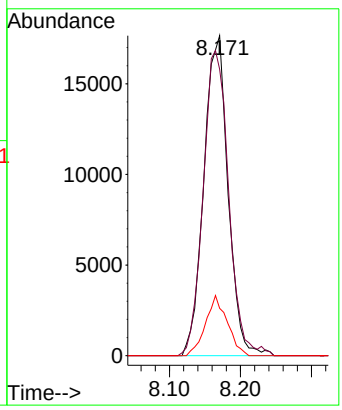


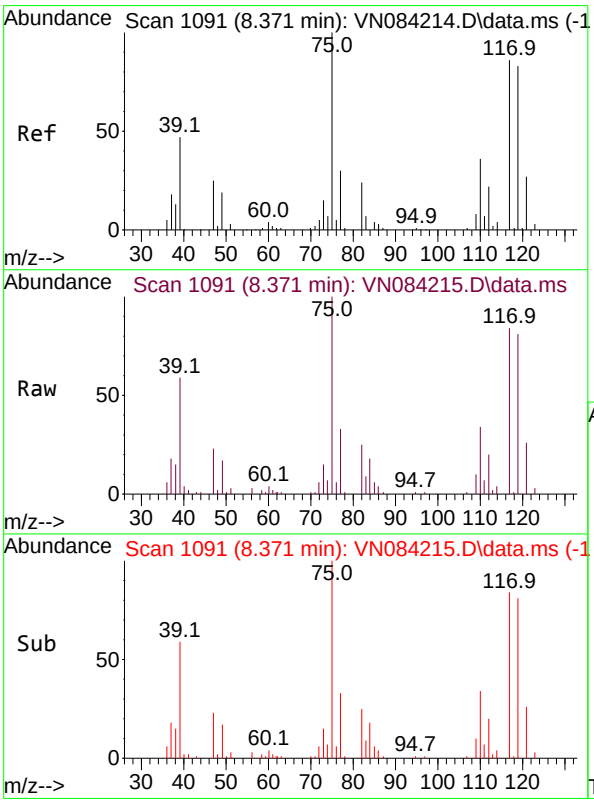
#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 41903

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	16.8	13.5	20.3

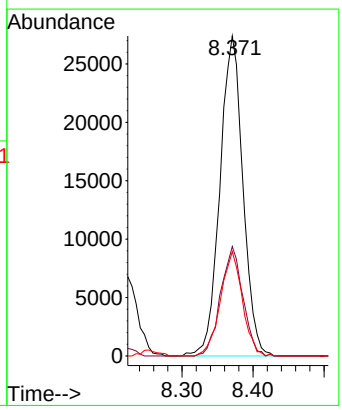


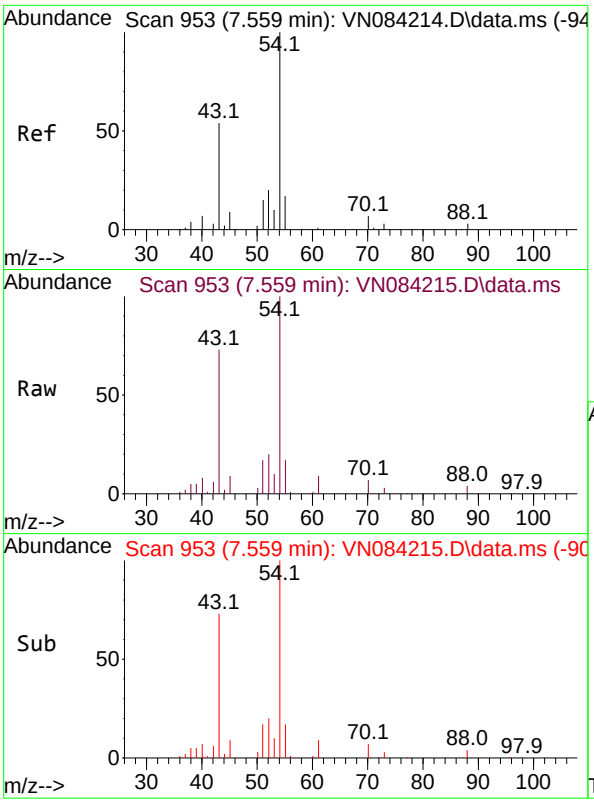


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 61556

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.7	37.1



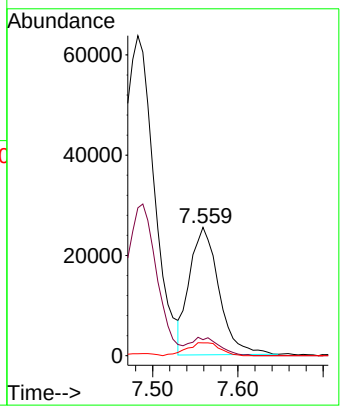


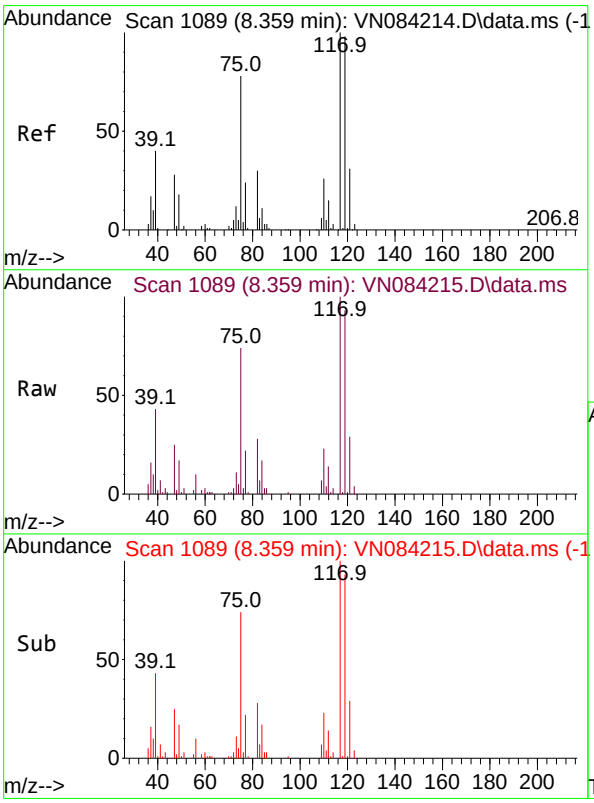
#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 61023

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.2	8.8	13.2

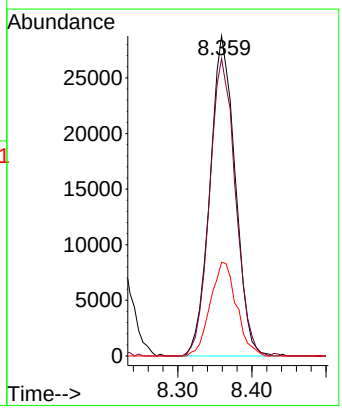


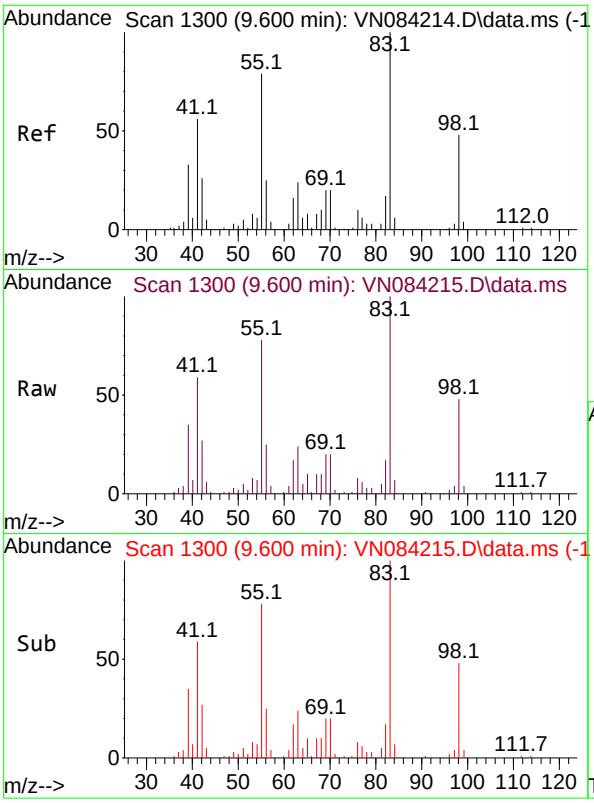


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 67913

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	29.2	24.4	36.6



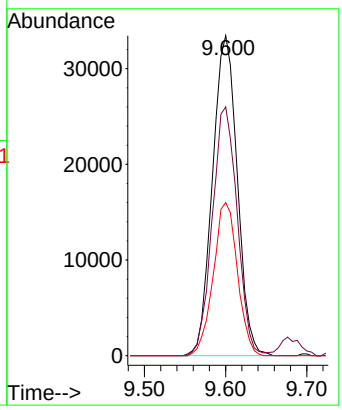


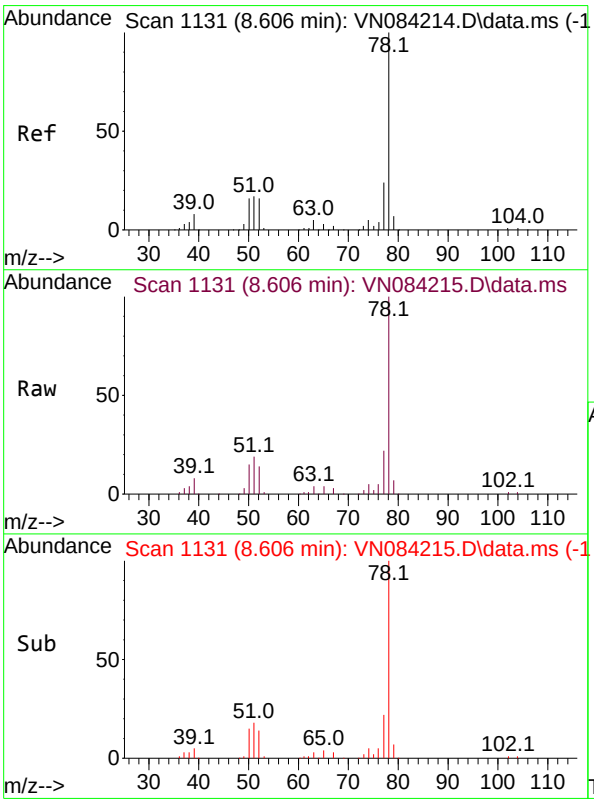
#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 70956

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	47.9	38.8	58.2

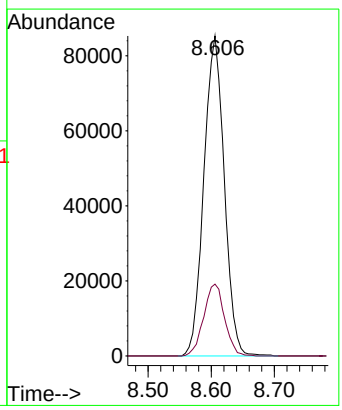


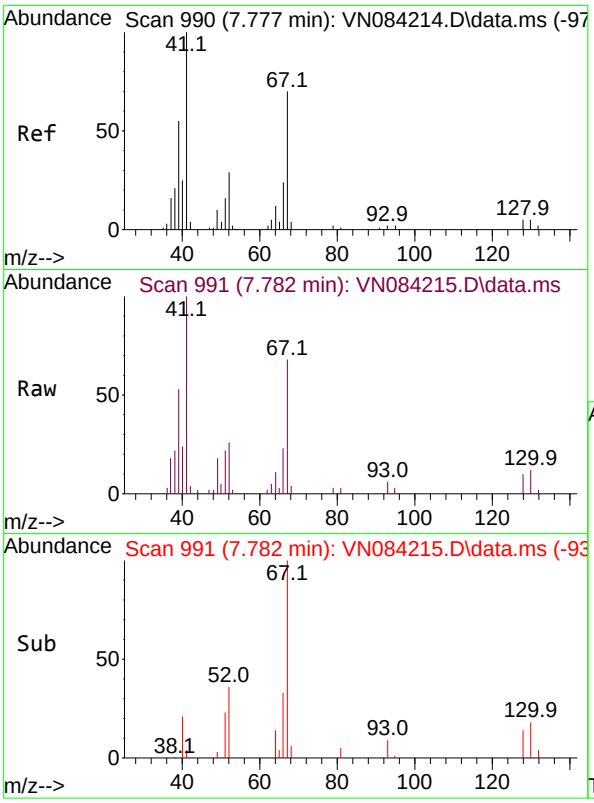


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7



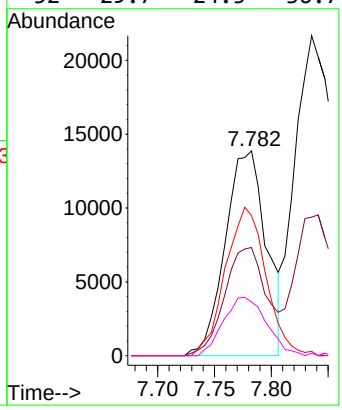


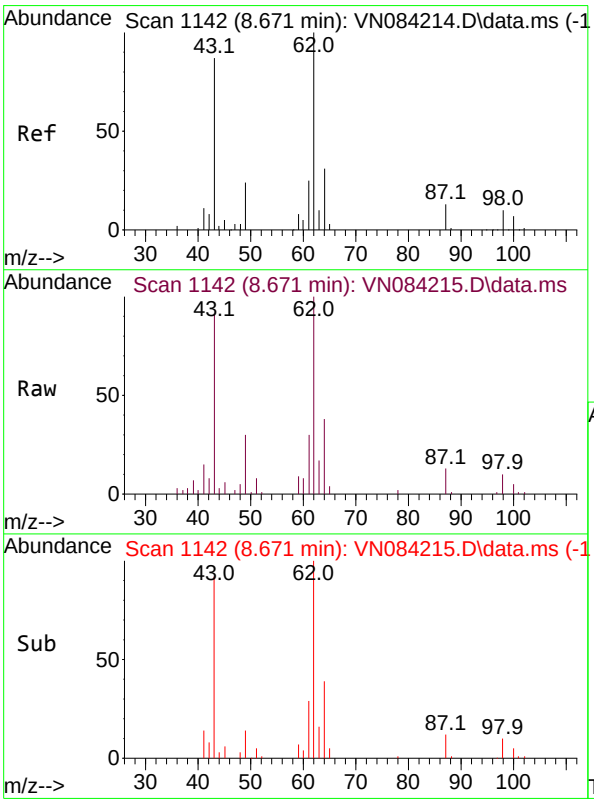
#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 34943

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.5	56.1	84.1
52	29.7	24.5	36.7

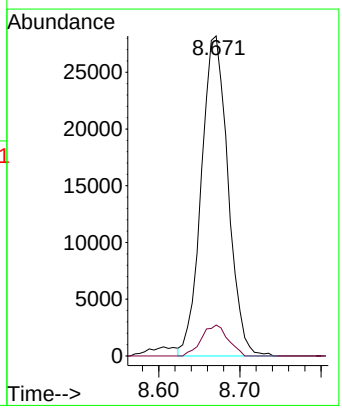


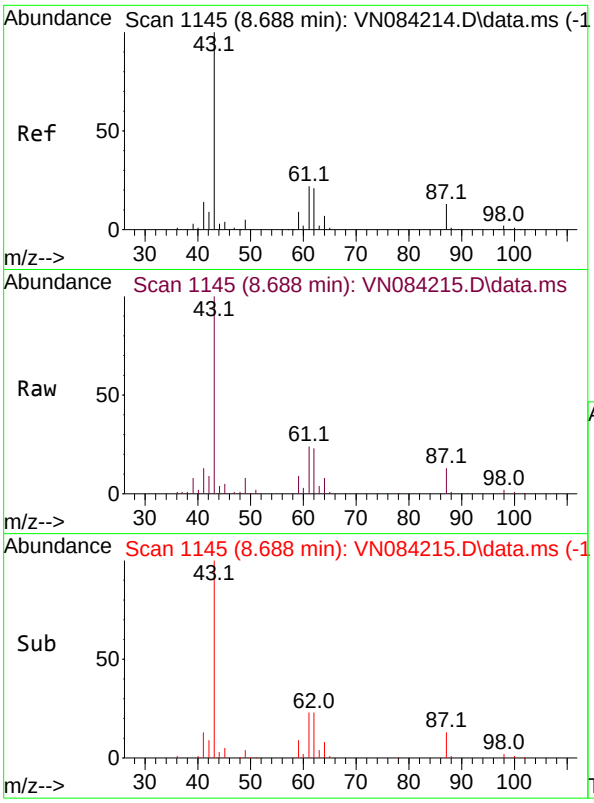


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 64453

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



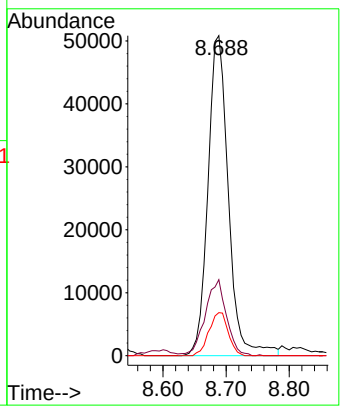


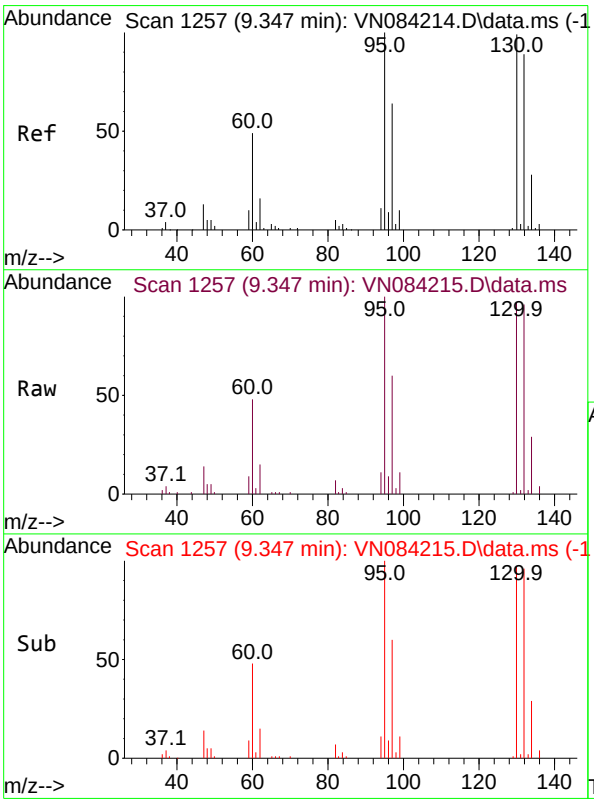
#43
Isopropyl Acetate
Concen: 19.334 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114278

Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.7	10.3	15.5

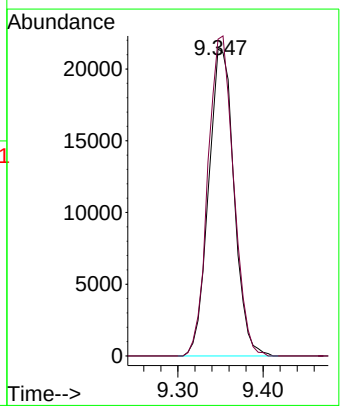


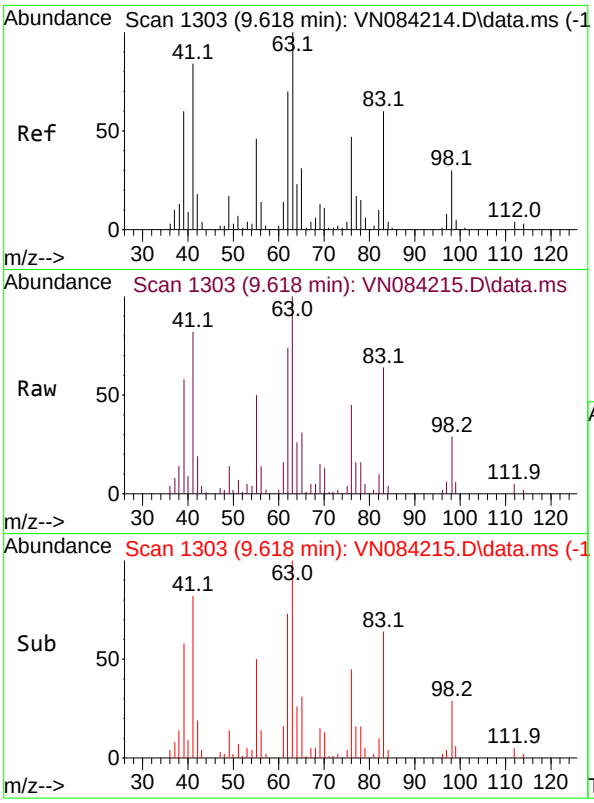


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0



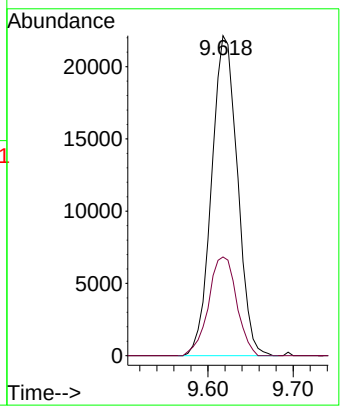


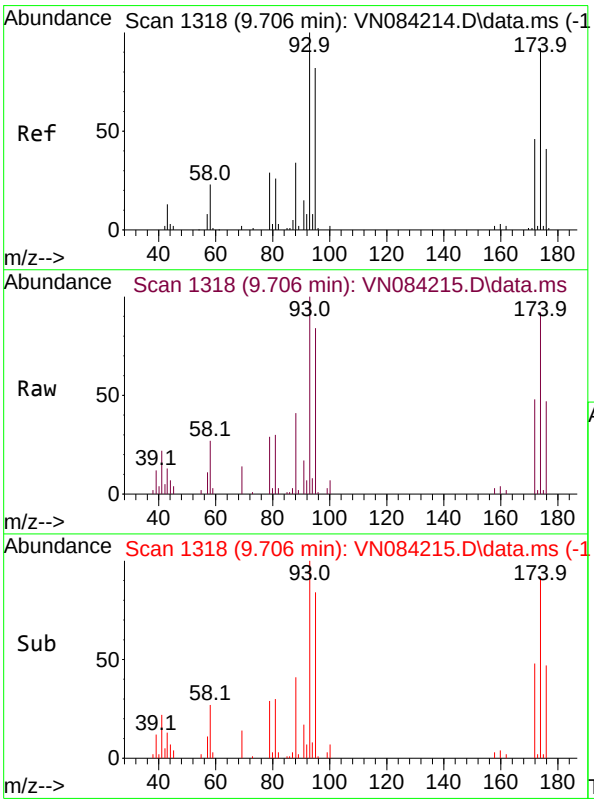
#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 46651

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0

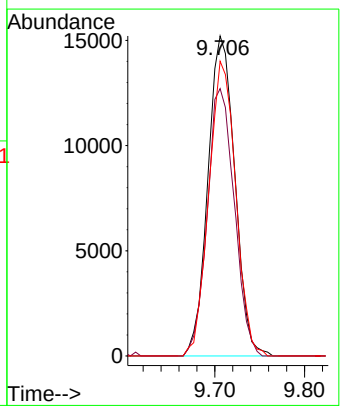


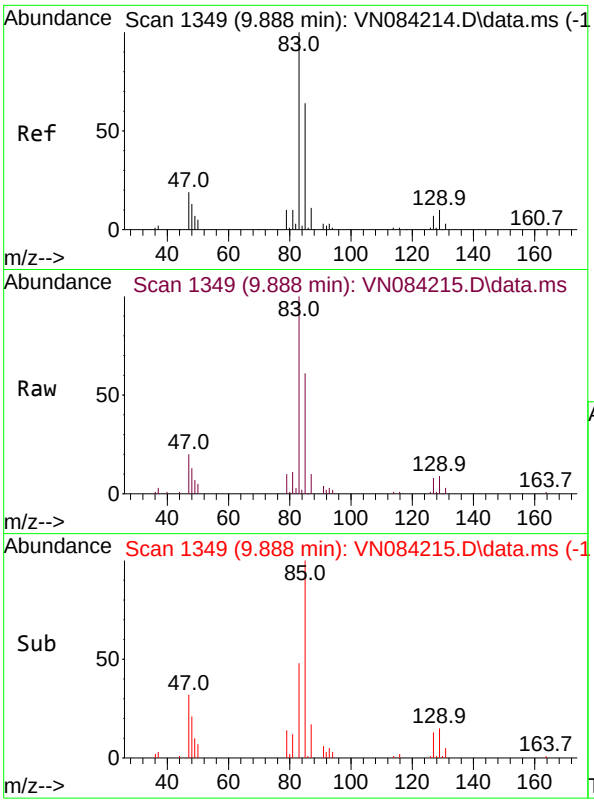


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 93 Resp: 31672

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.0	97.4
174	92.0	71.8	107.8



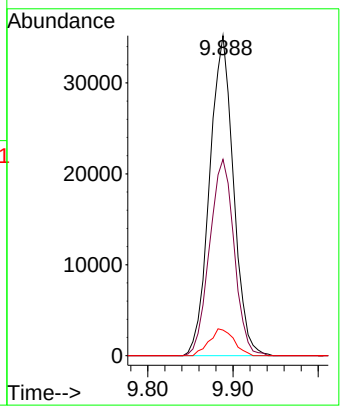


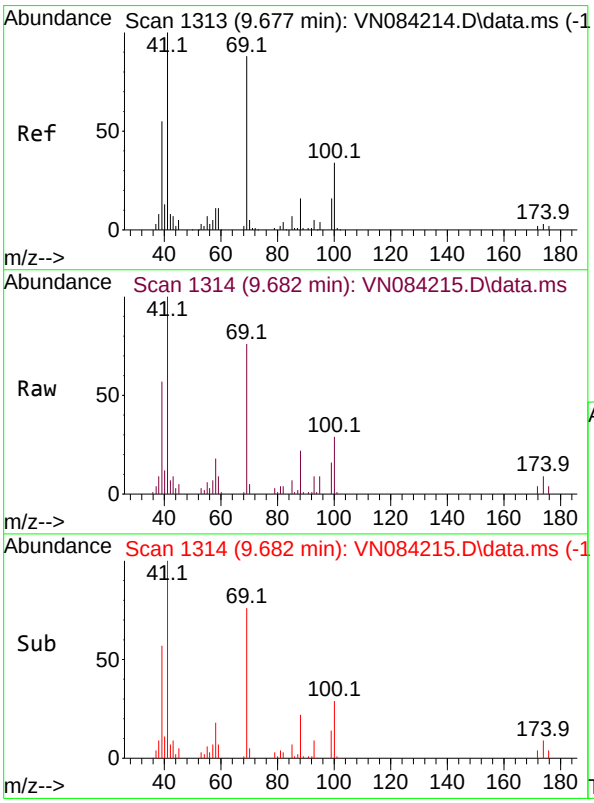
#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68343

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	8.0	5.7	8.5

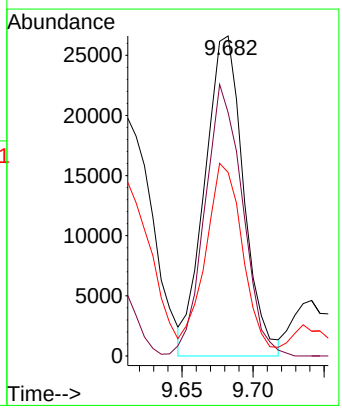


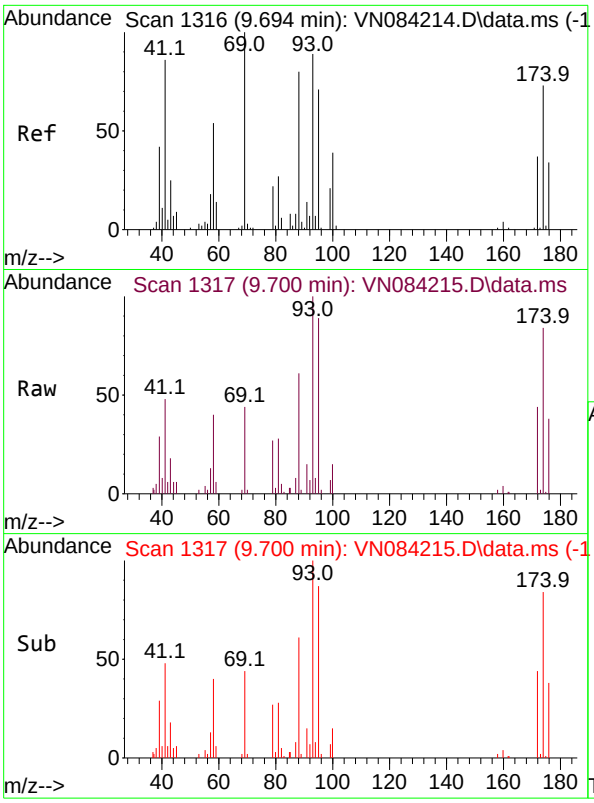


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 50498

Ion	Ratio	Lower	Upper
41	100		
69	82.3	67.1	100.7
39	59.0	45.8	68.6



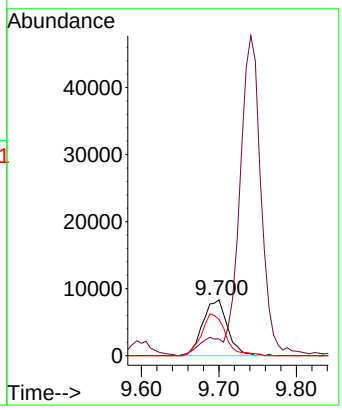


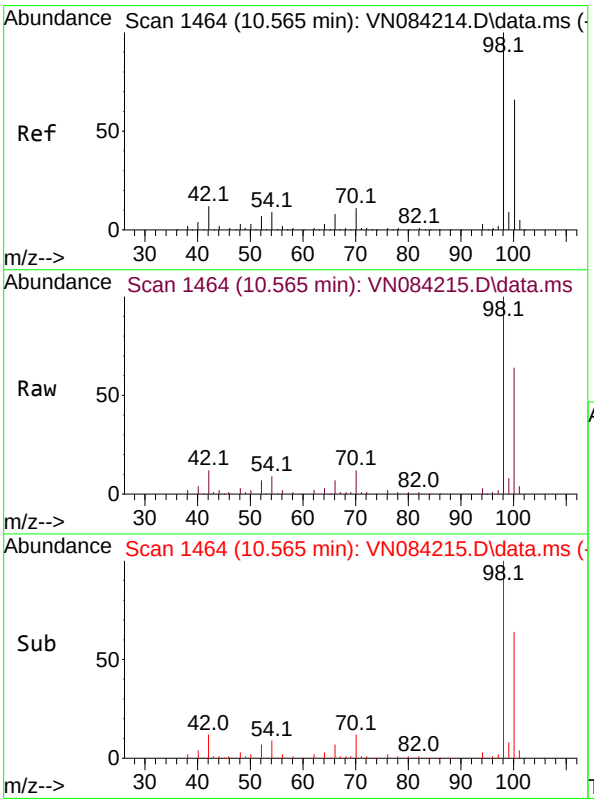
#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 18411

Ion	Ratio	Lower	Upper
88	100		
43	22.7	25.3	37.9#
58	72.9	56.4	84.6

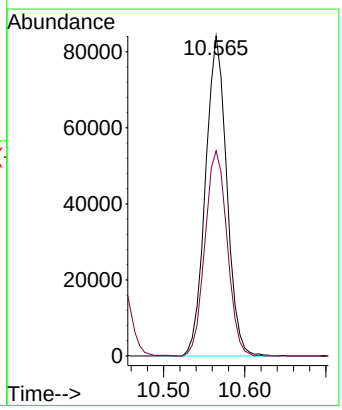


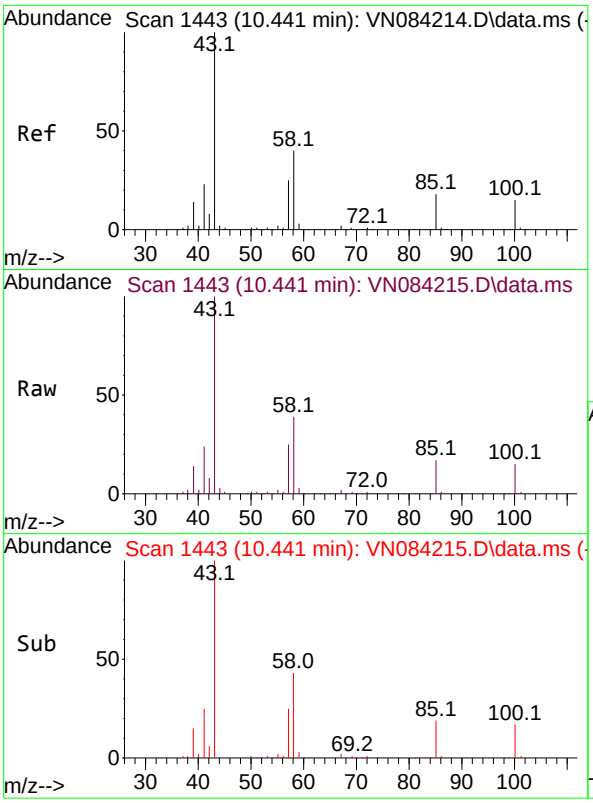


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1



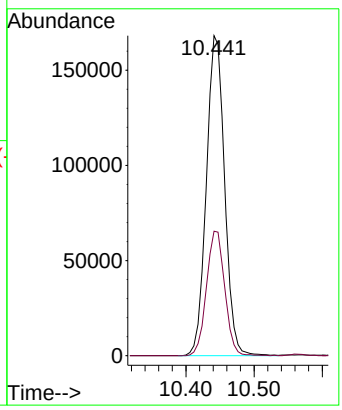


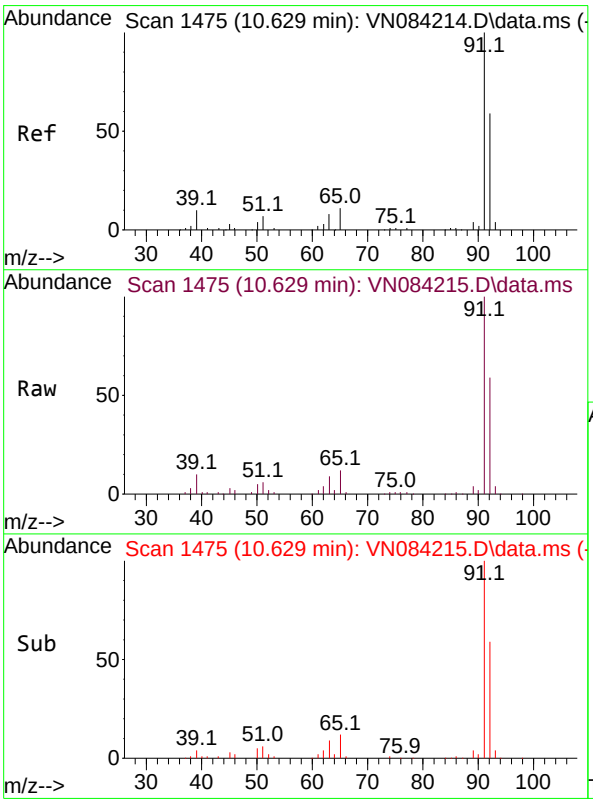
#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 313636

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

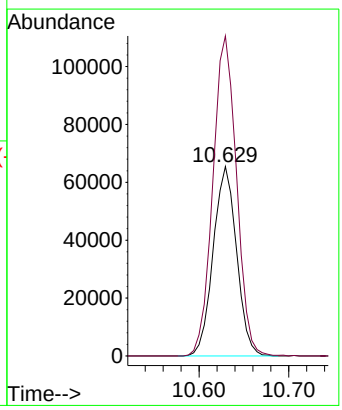


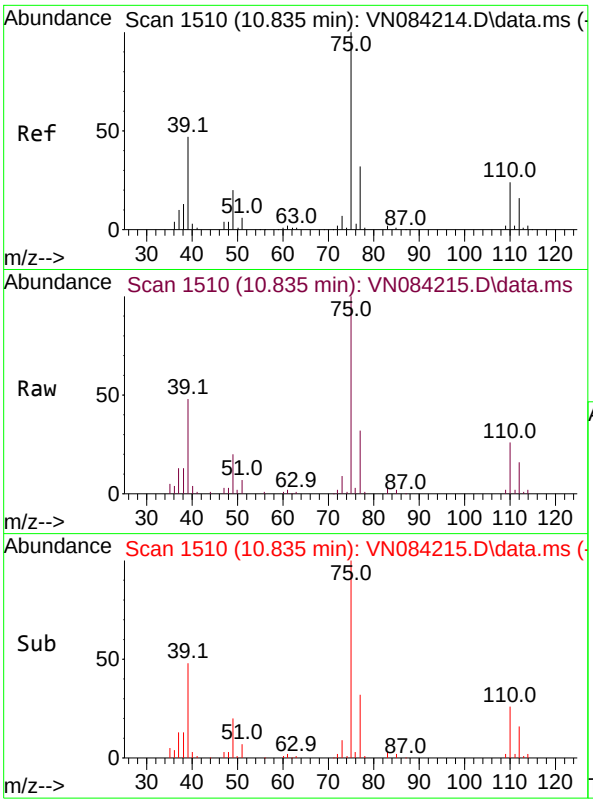


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



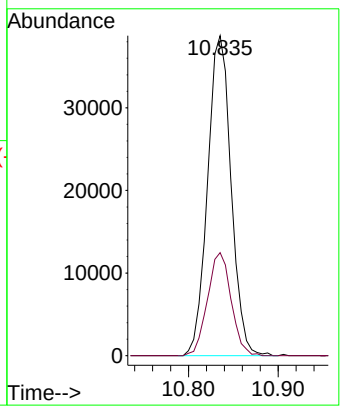


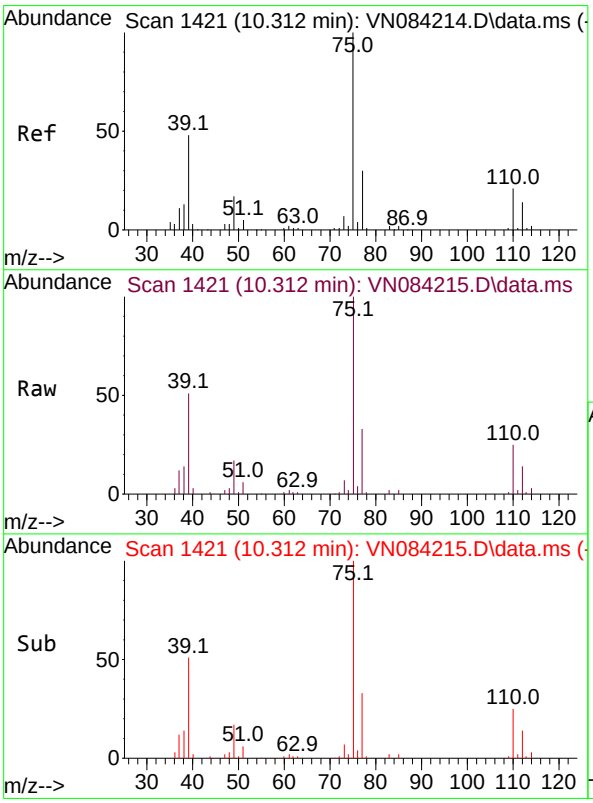
#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 70403

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

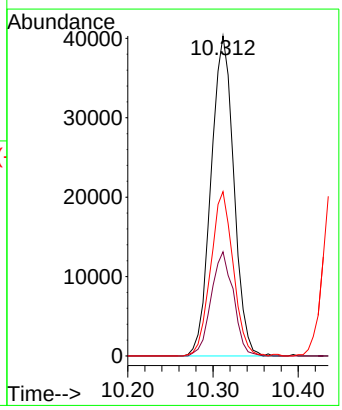


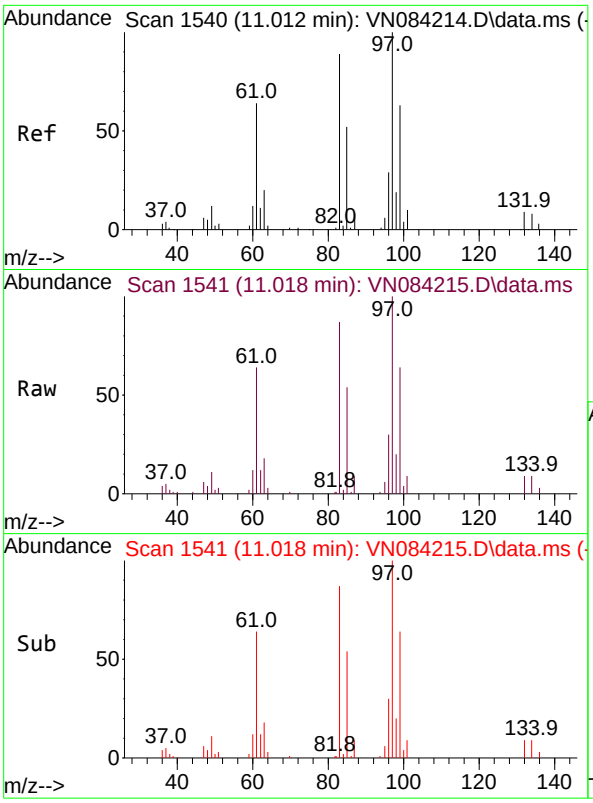


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 74778

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	51.4	38.7	58.1



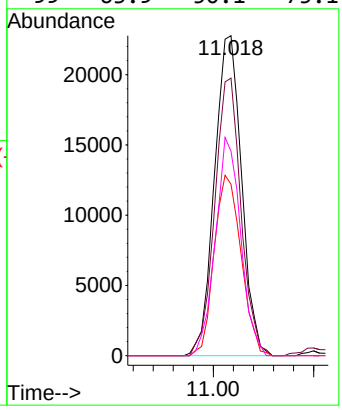


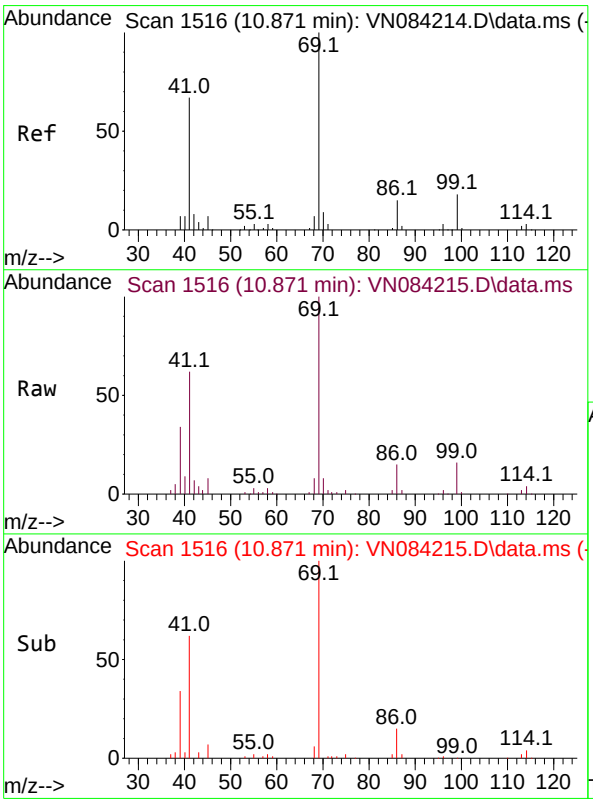
#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 42631

Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	53.6	41.7	62.5
99	63.9	50.1	75.1

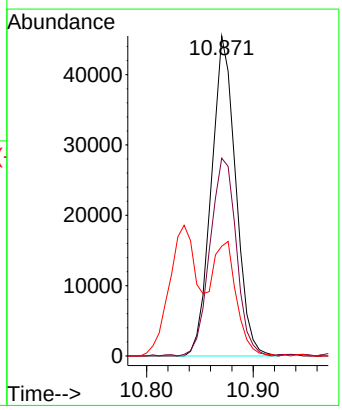


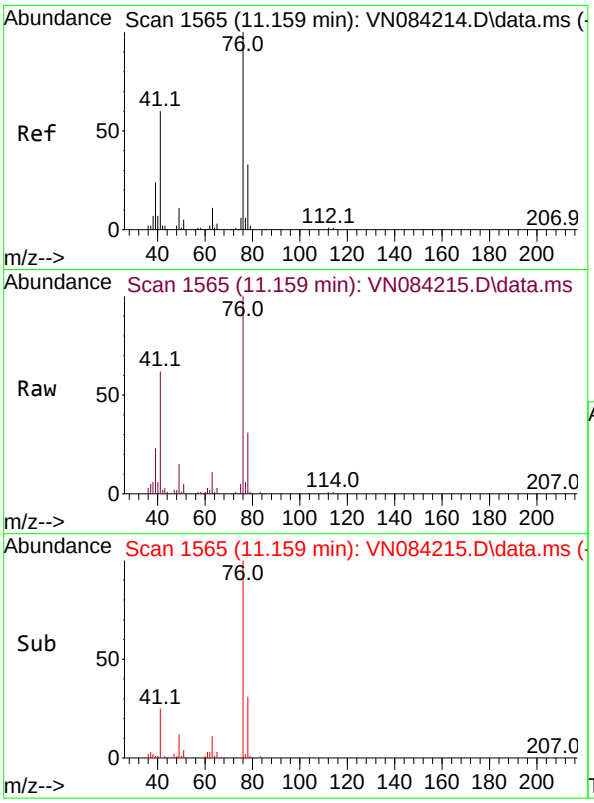


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 69 Resp: 72159

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.3	79.9
39	36.6	28.8	43.2



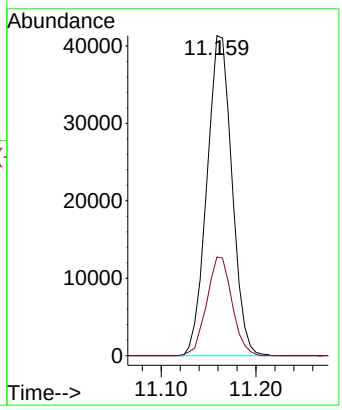


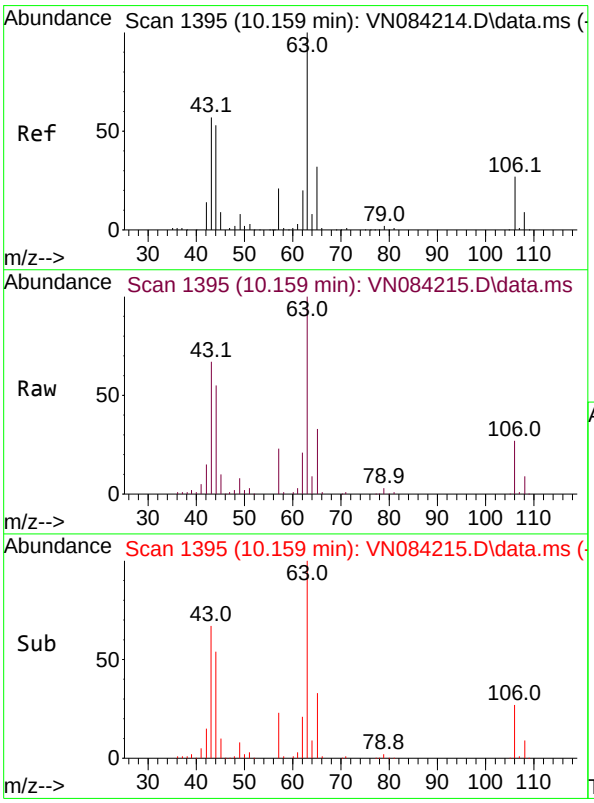
#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 75915

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

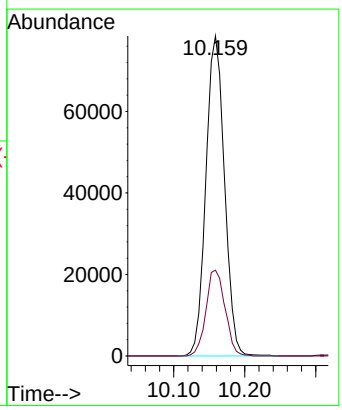


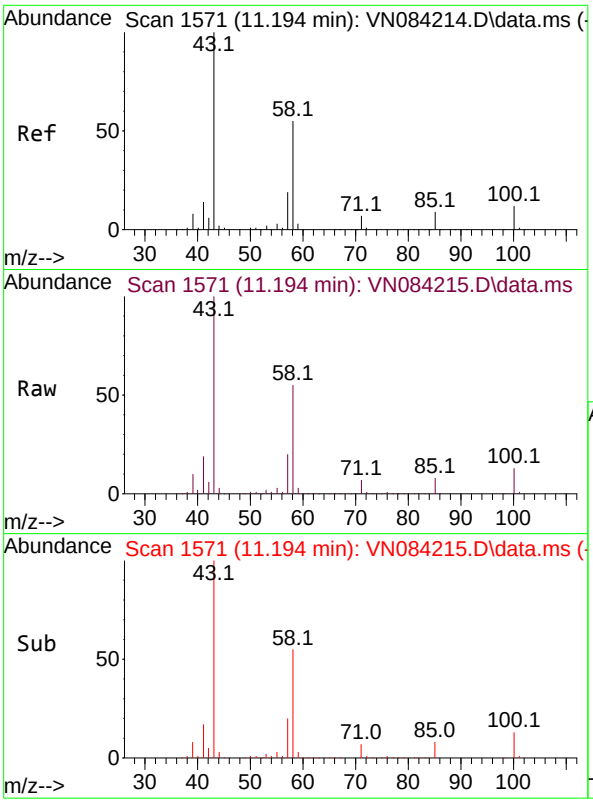


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



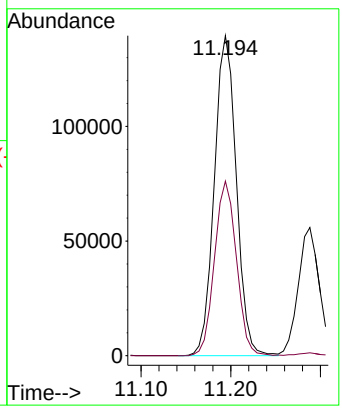


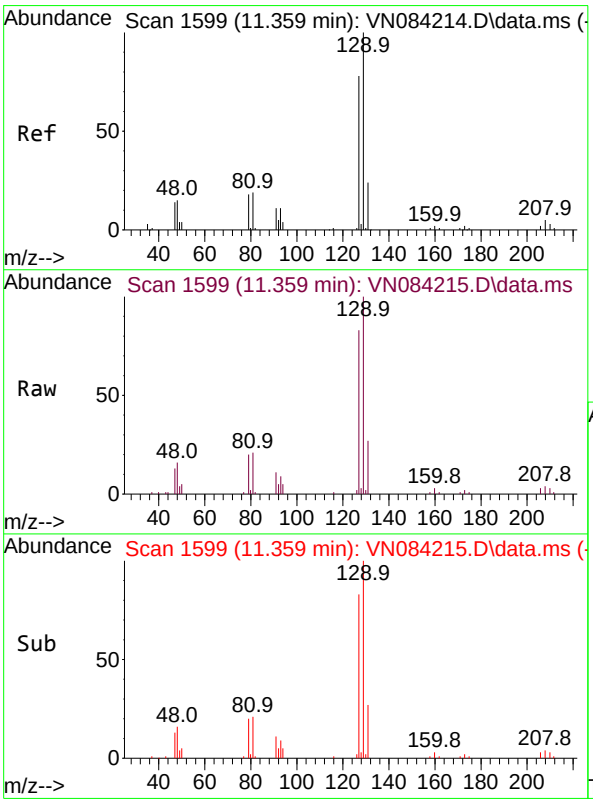
#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 237694

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

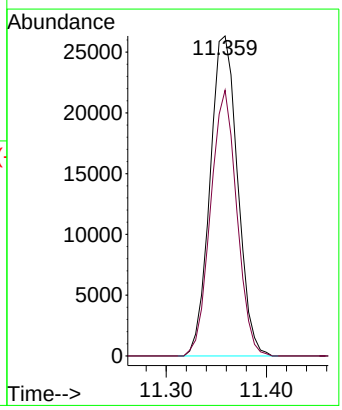


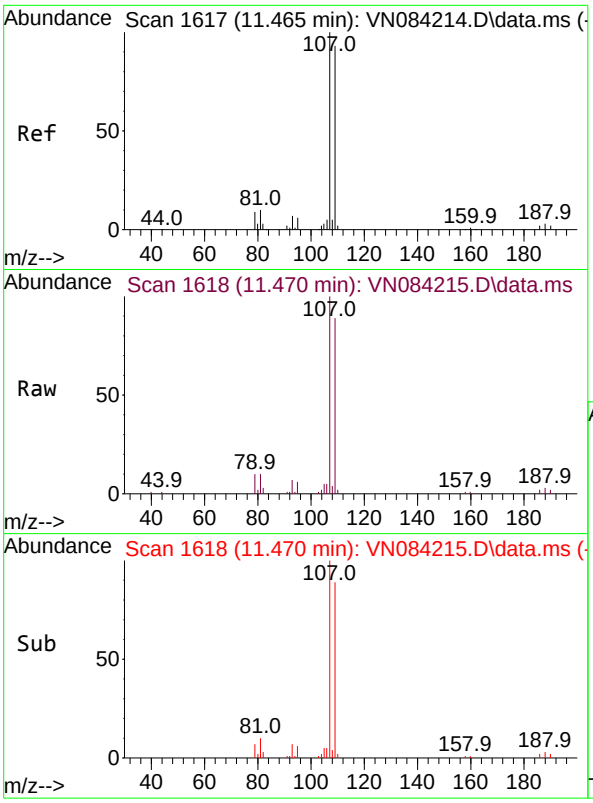


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9



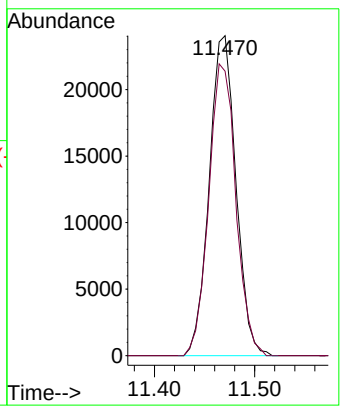


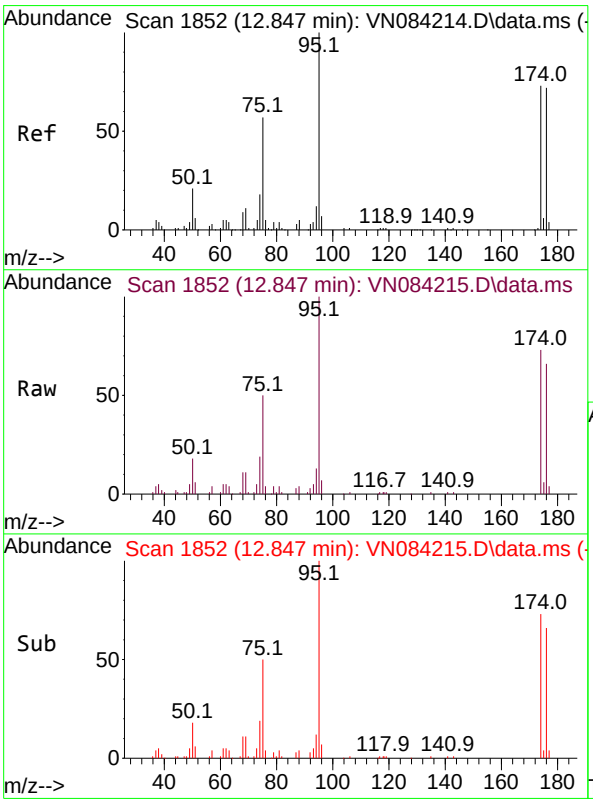
#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 44554

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

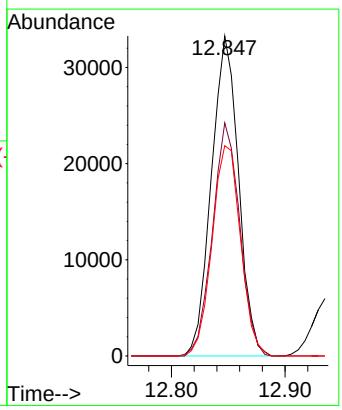


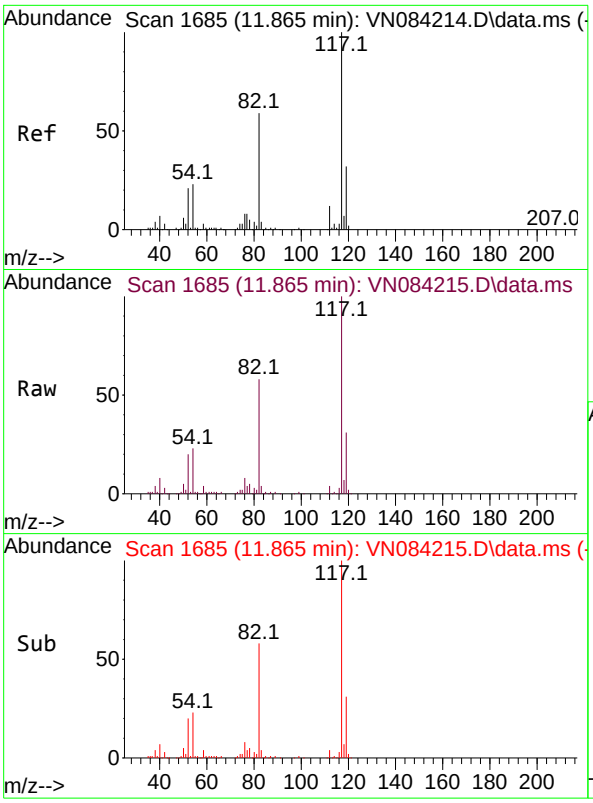


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 95 Resp: 55201

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	68.9	0.0	140.0



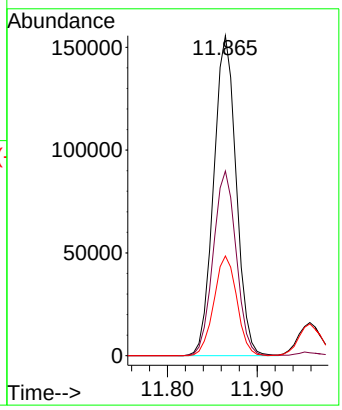


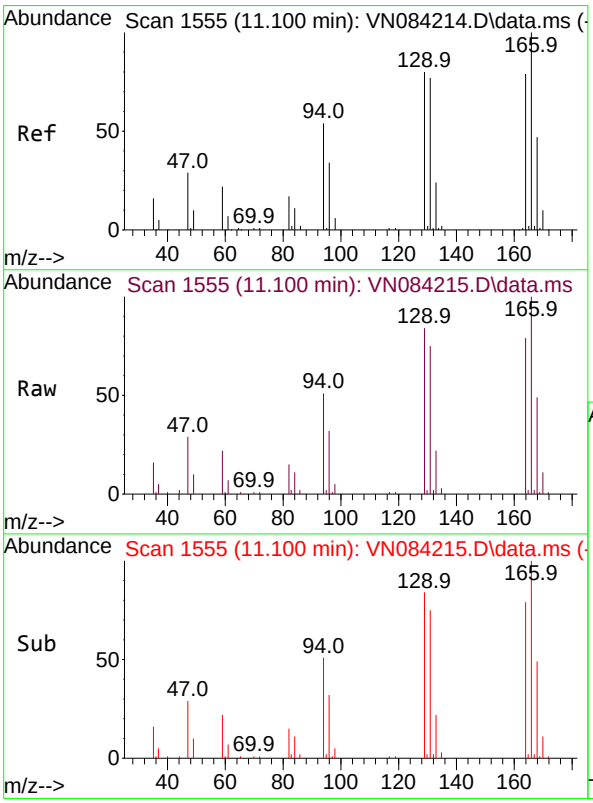
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 270754

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.2	25.4	38.0

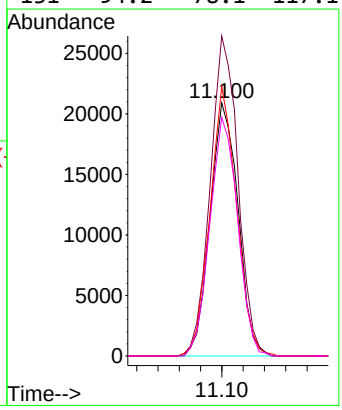


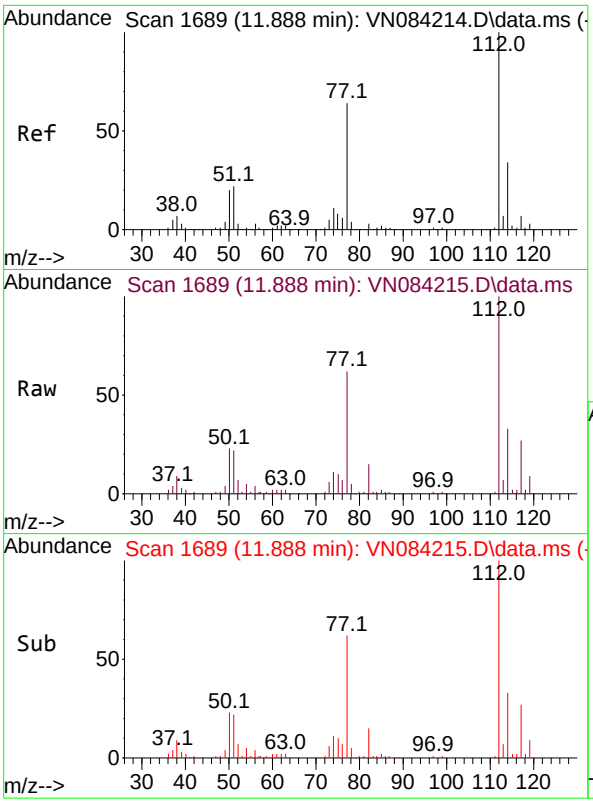


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:164 Resp: 38055

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.4
129	106.4	80.8	121.2
131	94.2	78.1	117.1



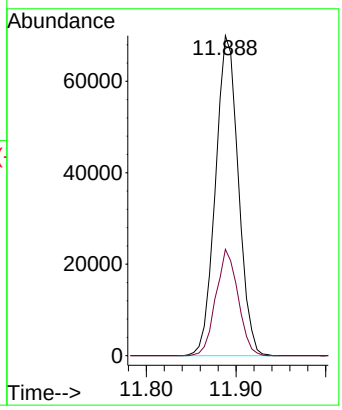


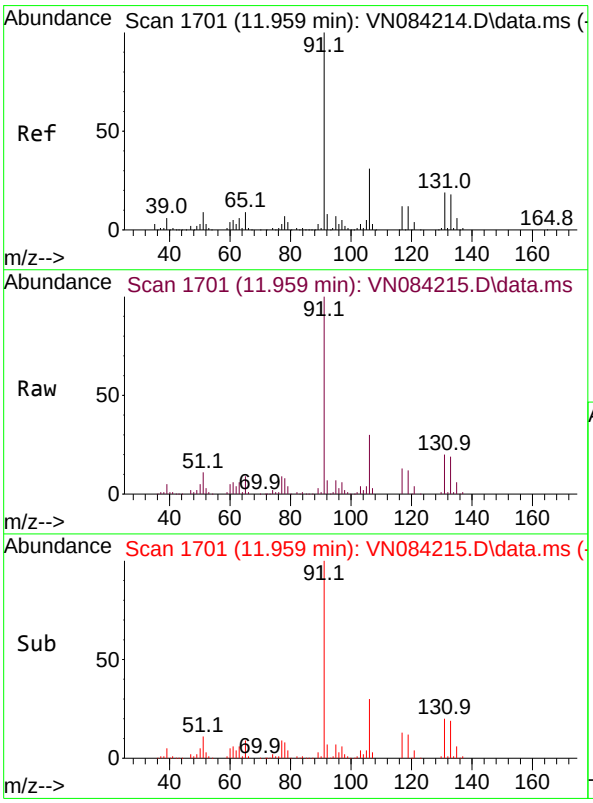
#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 123787

Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6

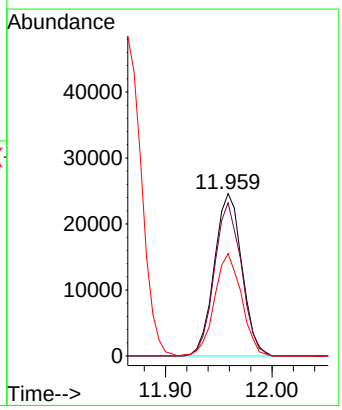


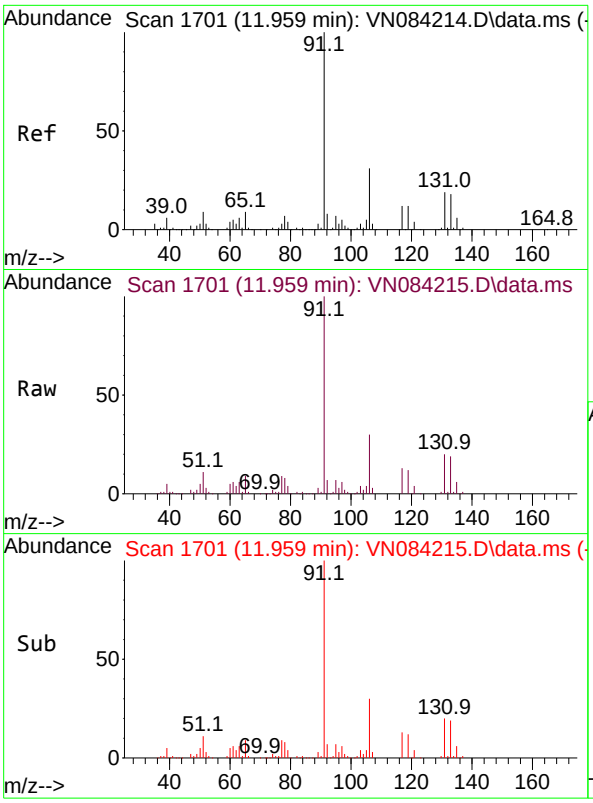


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:131 Resp: 44285

Ion	Ratio	Lower	Upper
131	100		
133	92.4	47.9	143.7
119	62.0	32.8	98.3



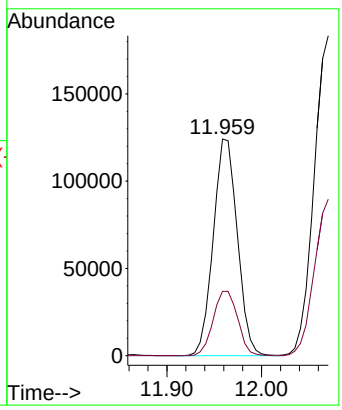


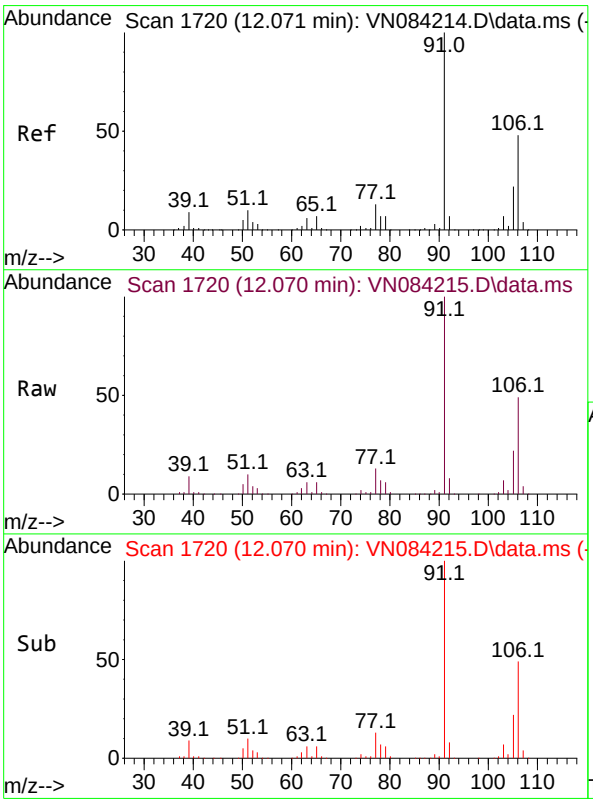
#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 219635

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

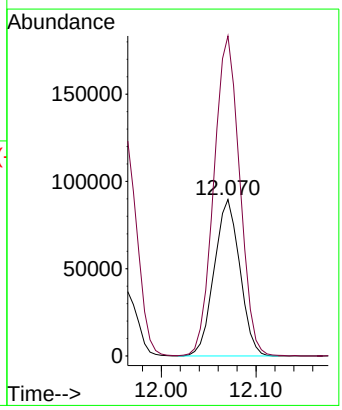


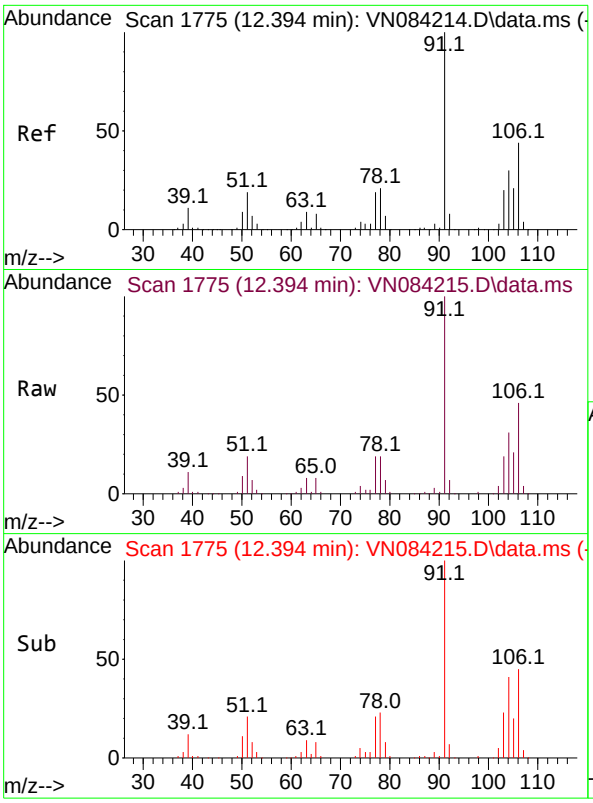


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7



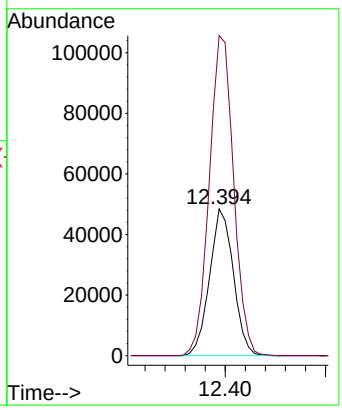


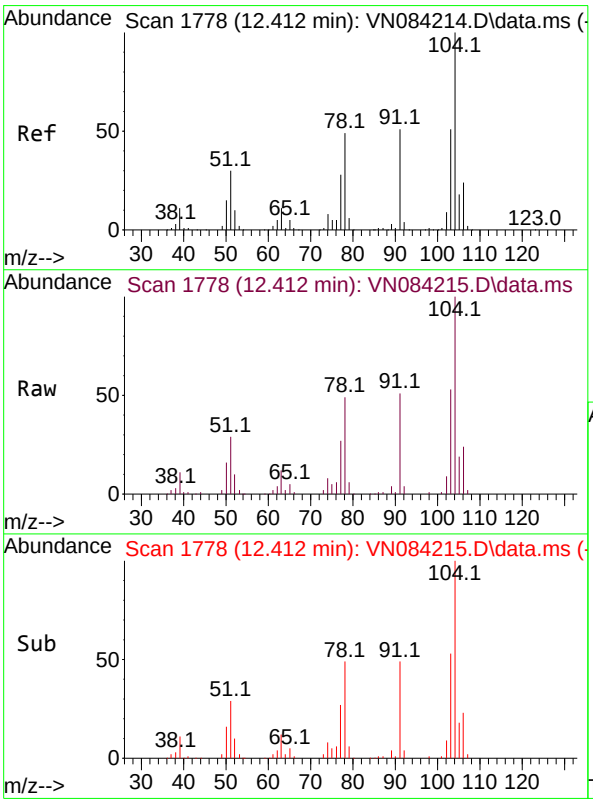
#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 79896

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

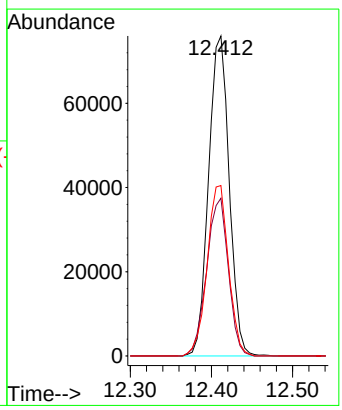


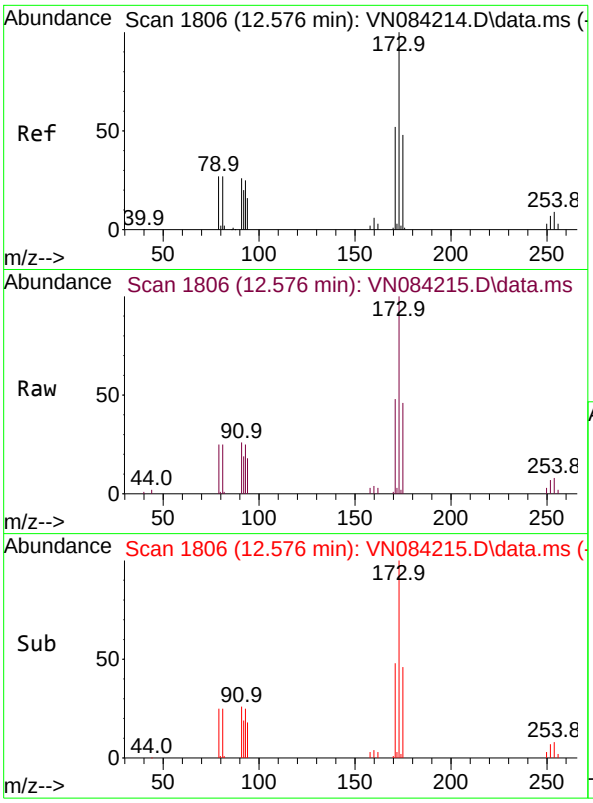


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:104 Resp: 134066

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	55.2	43.6	65.4



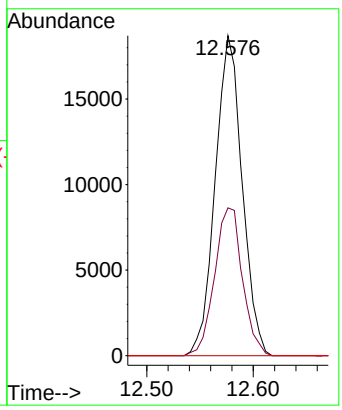


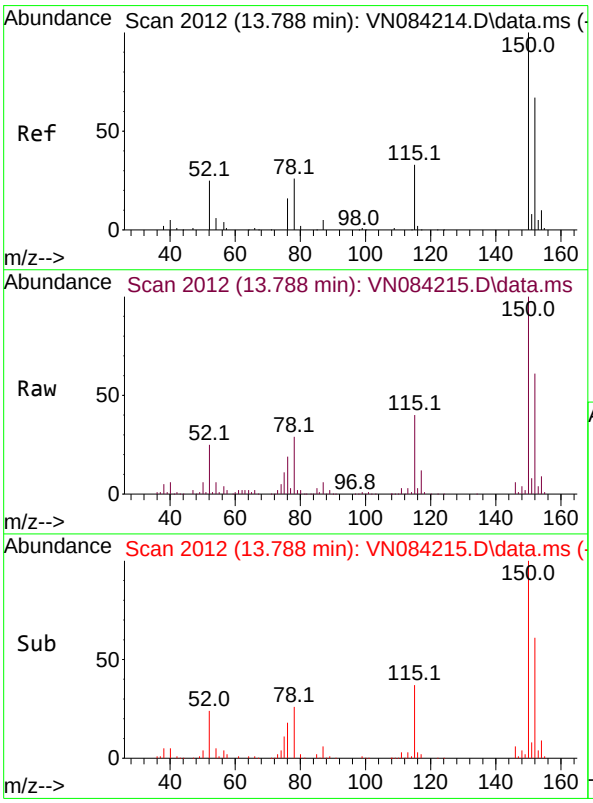
#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 32824

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0

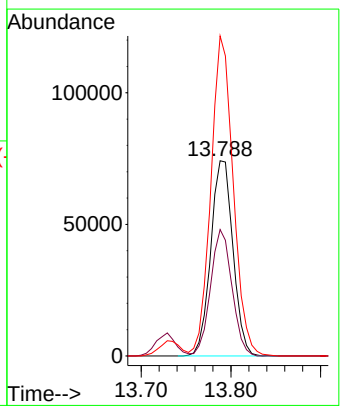


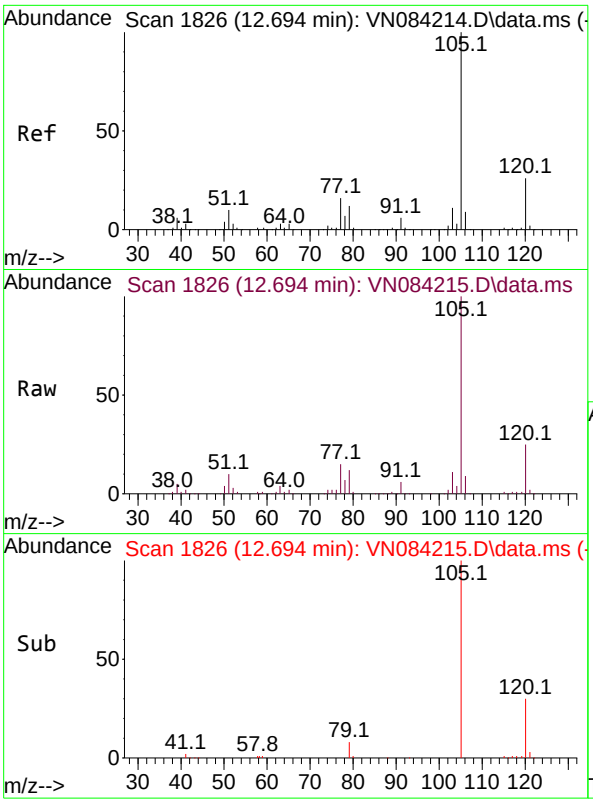


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:152 Resp: 127763

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	164.5	0.0	349.8



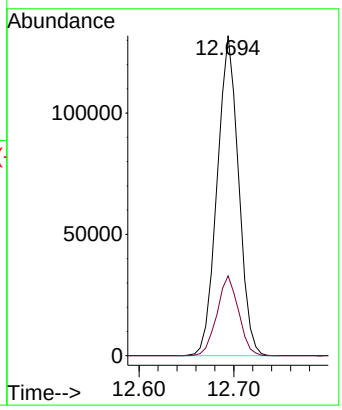


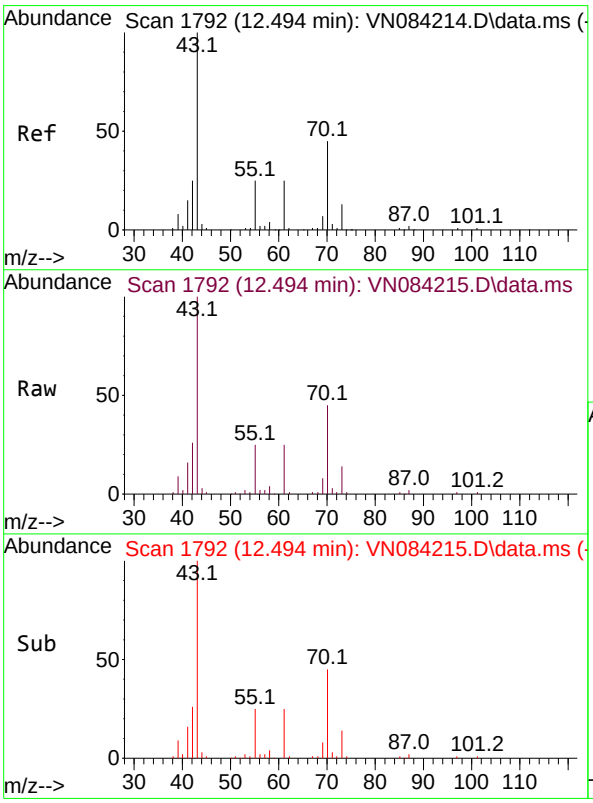
#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 207217

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7

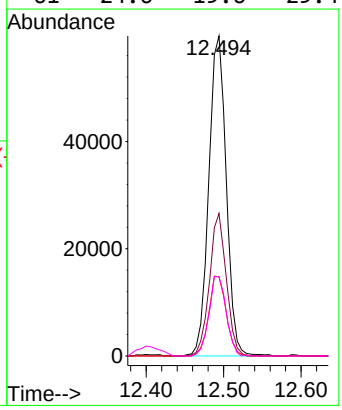


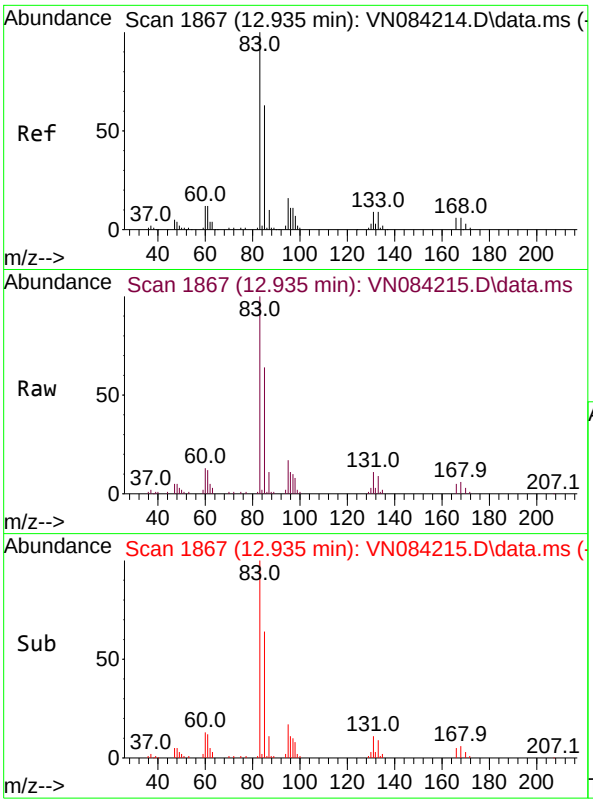


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 93392

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	25.0	19.6	29.4
61	24.6	19.6	29.4



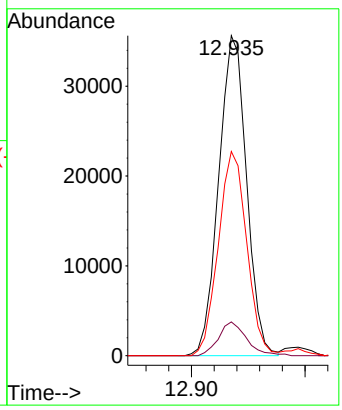


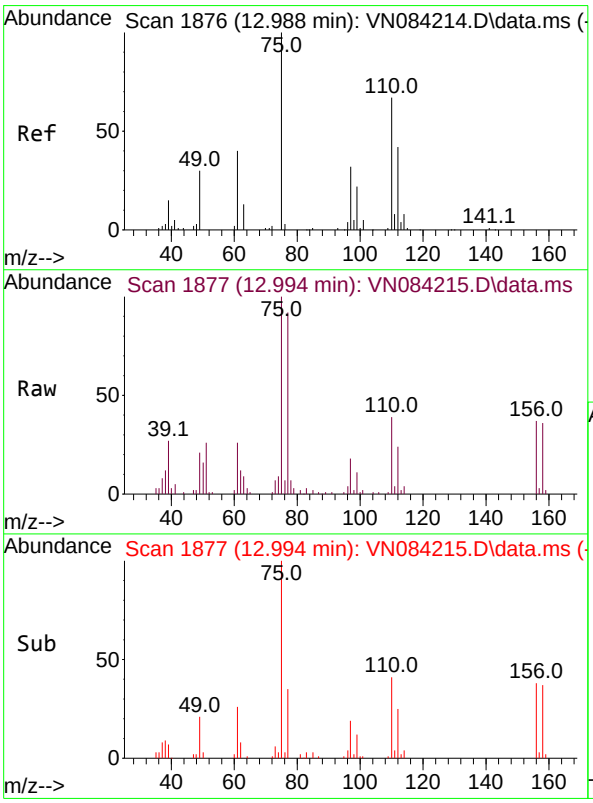
#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 60656

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.9	95.7

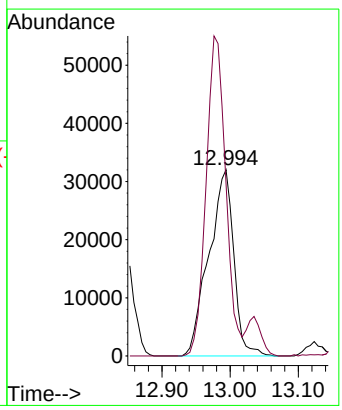


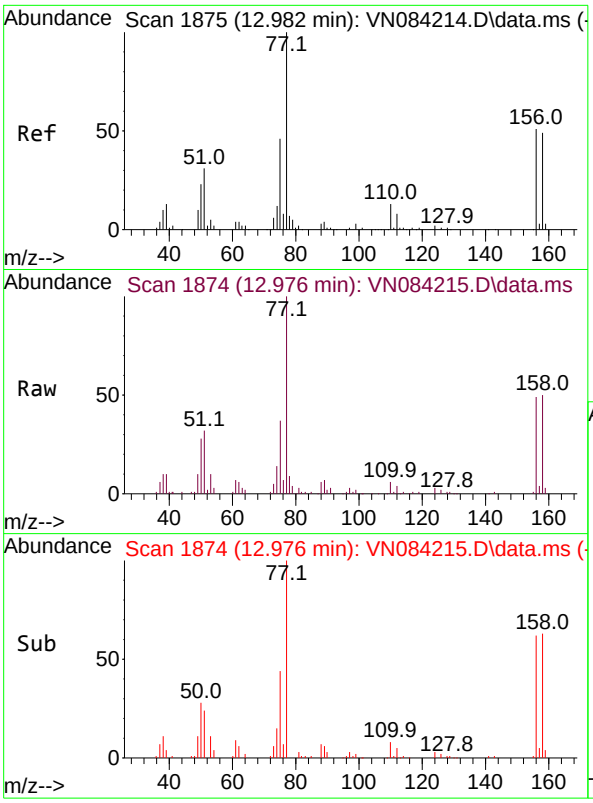


#76
1,2,3-Trichloropropane
Concen: 31.983 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 81444

Ion	Ratio	Lower	Upper
75	100		
77	136.1	96.9	290.7



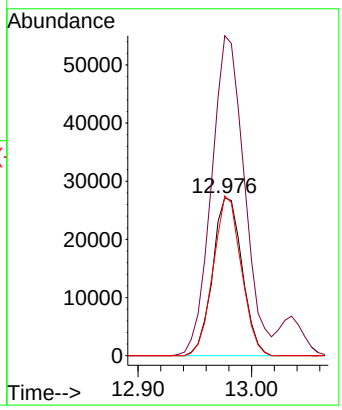


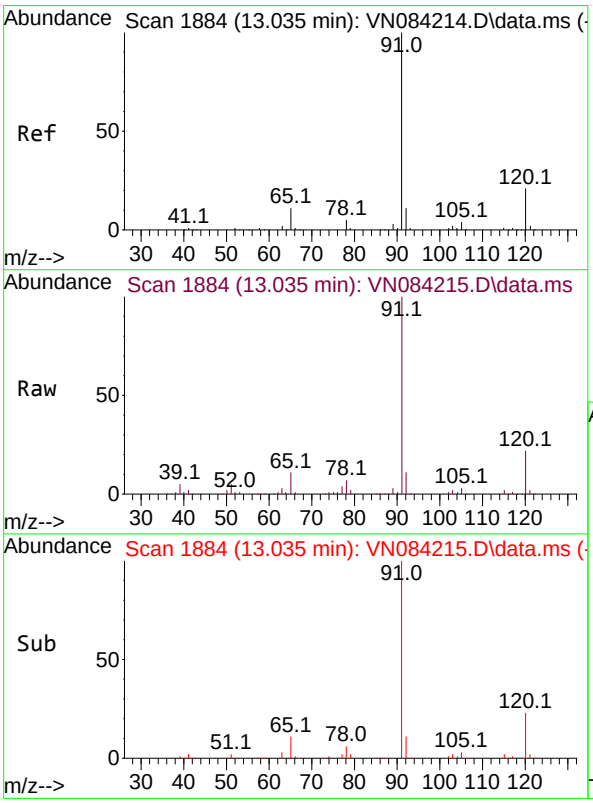
#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 48803

Ion	Ratio	Lower	Upper
156	100		
77	227.1	115.1	345.3
158	96.5	48.9	146.8

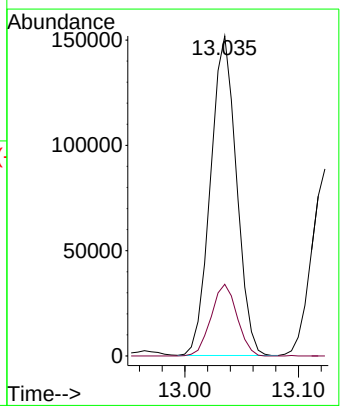


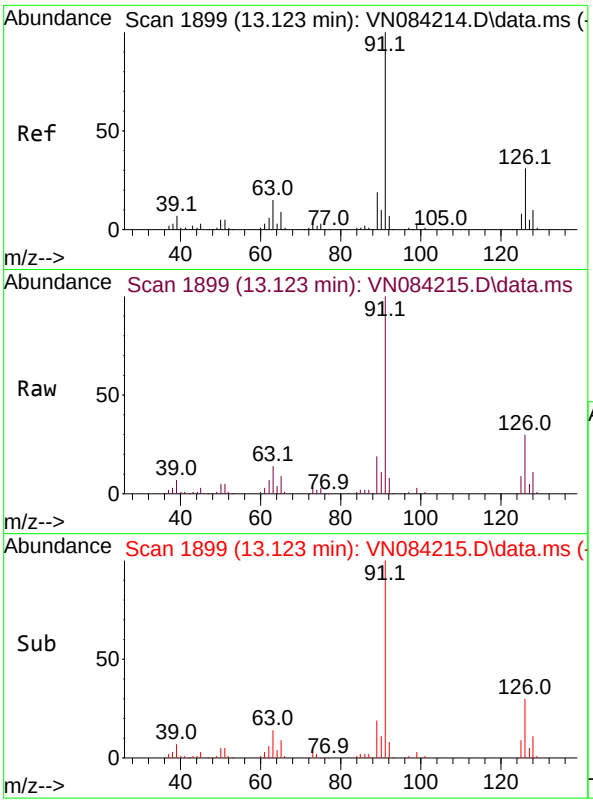


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



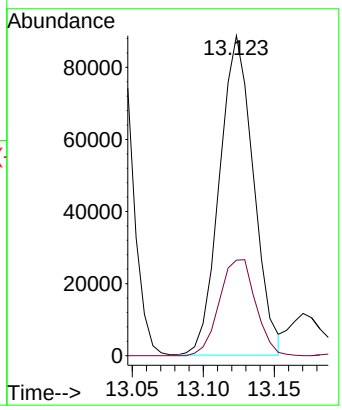


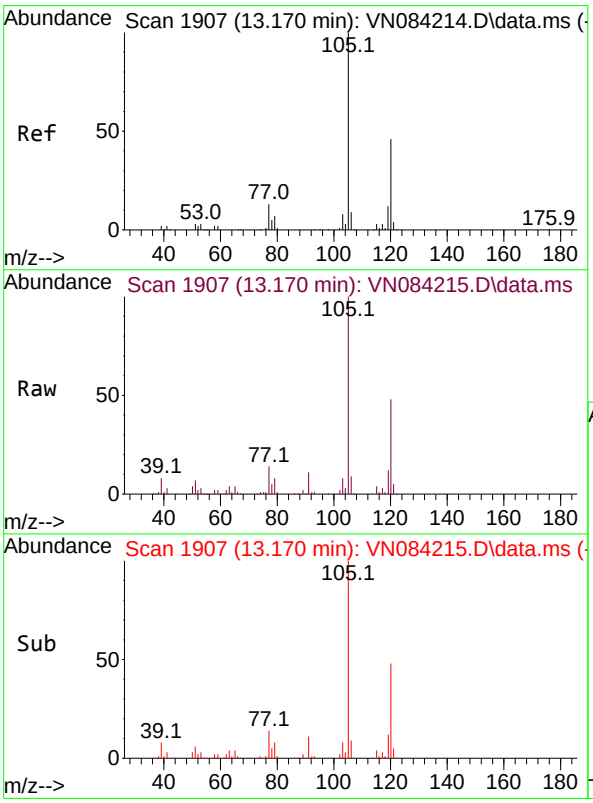
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 147738

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

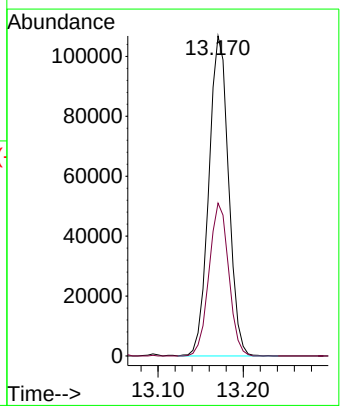


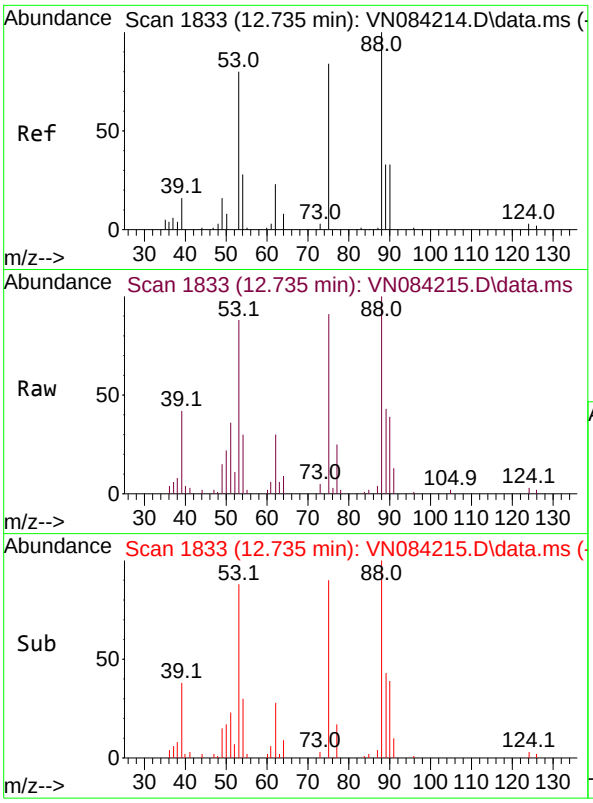


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 171600

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



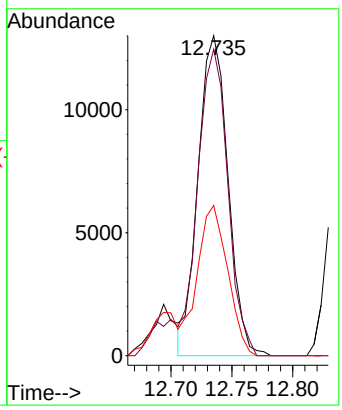


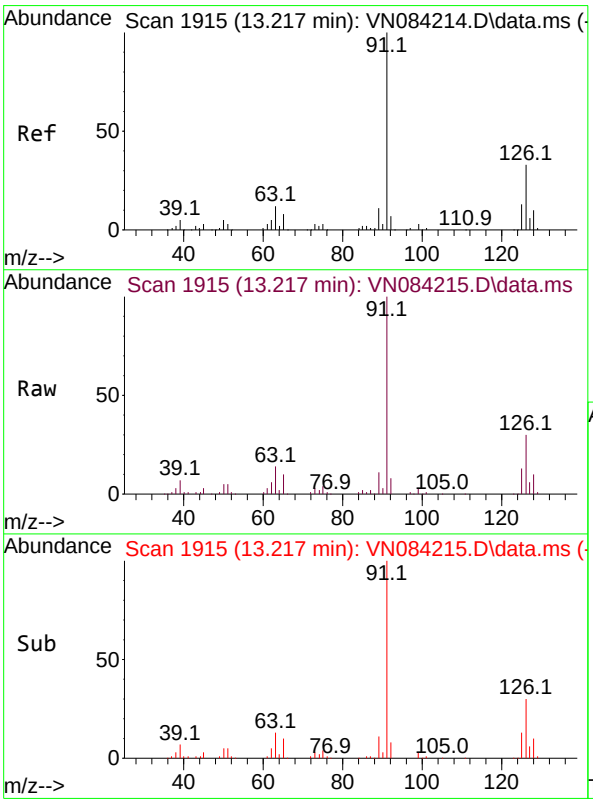
#81
trans-1,4-Dichloro-2-butene
Concen: 20.426 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 22222

Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.0	117.0
89	48.1	35.5	53.3

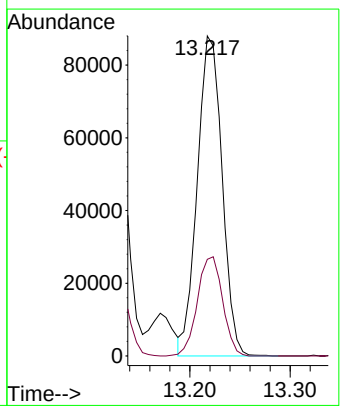


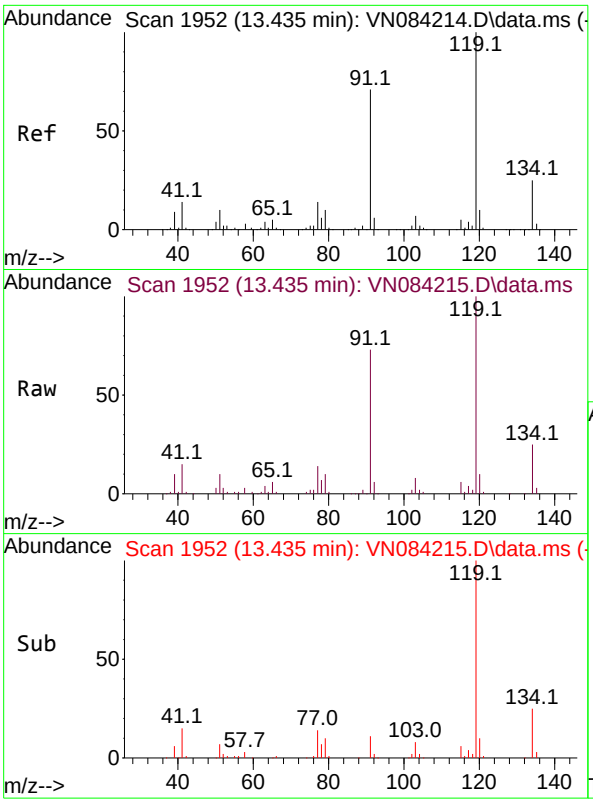


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



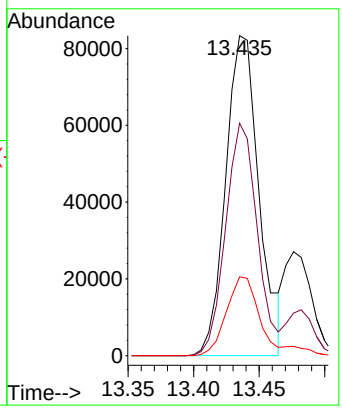


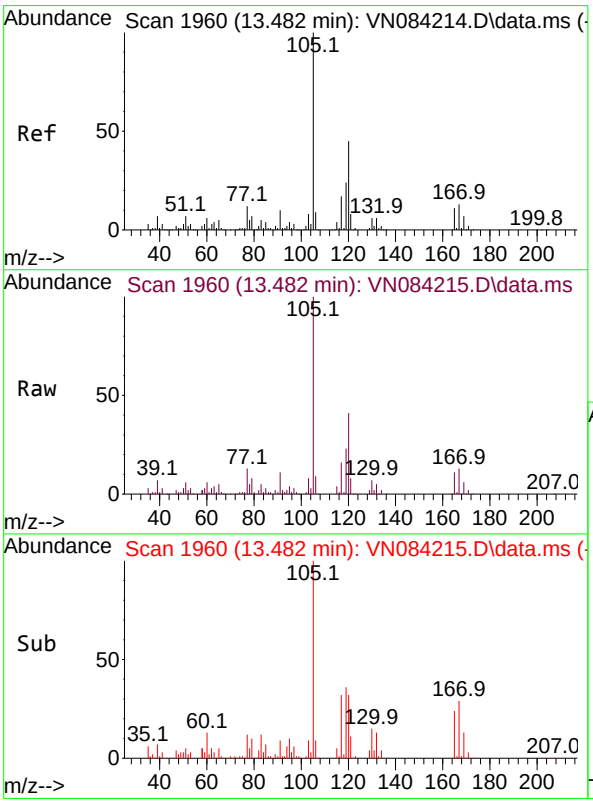
#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 147727

Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	25.9	12.8	38.4

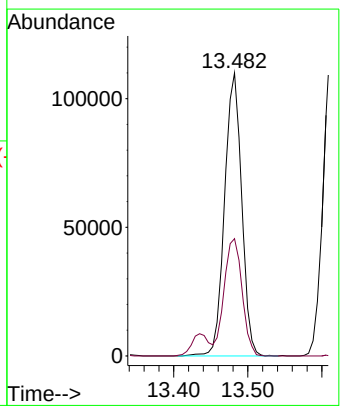


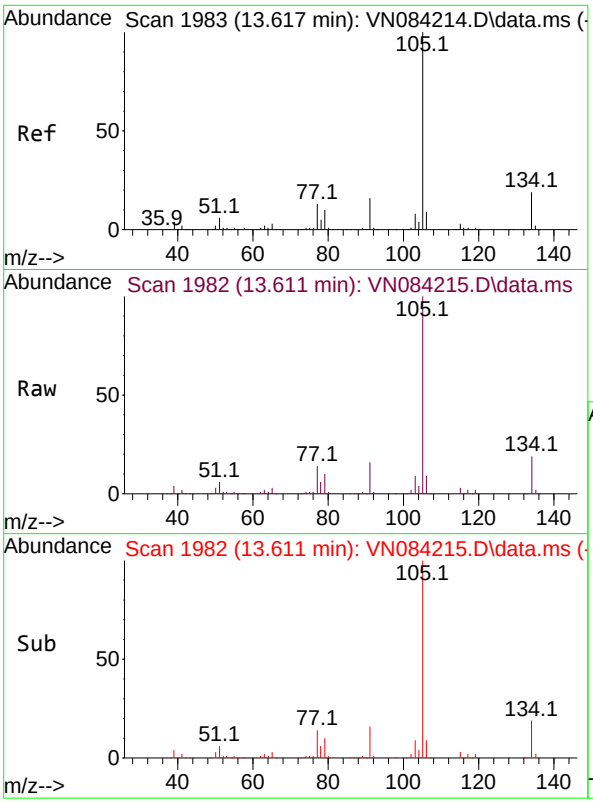


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8



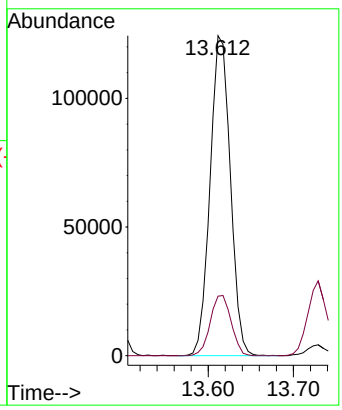


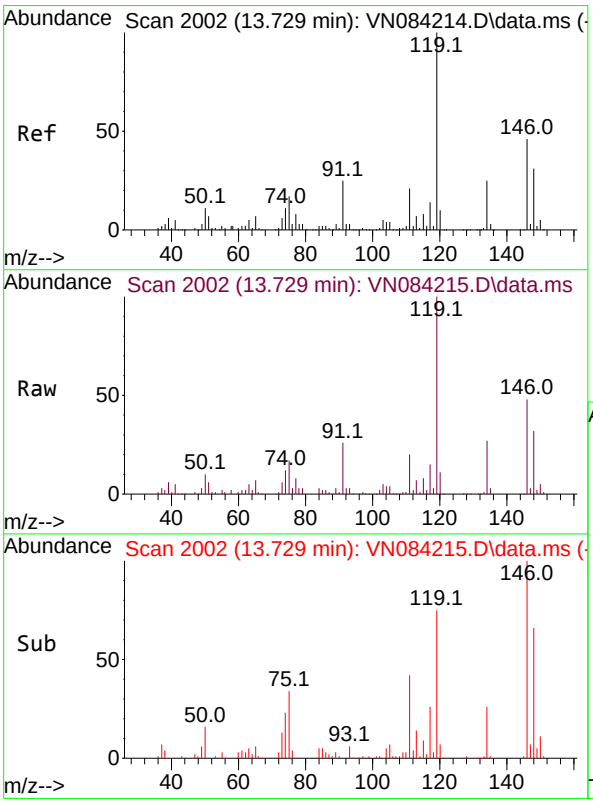
#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 205477

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

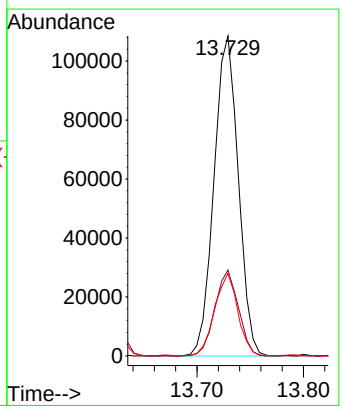


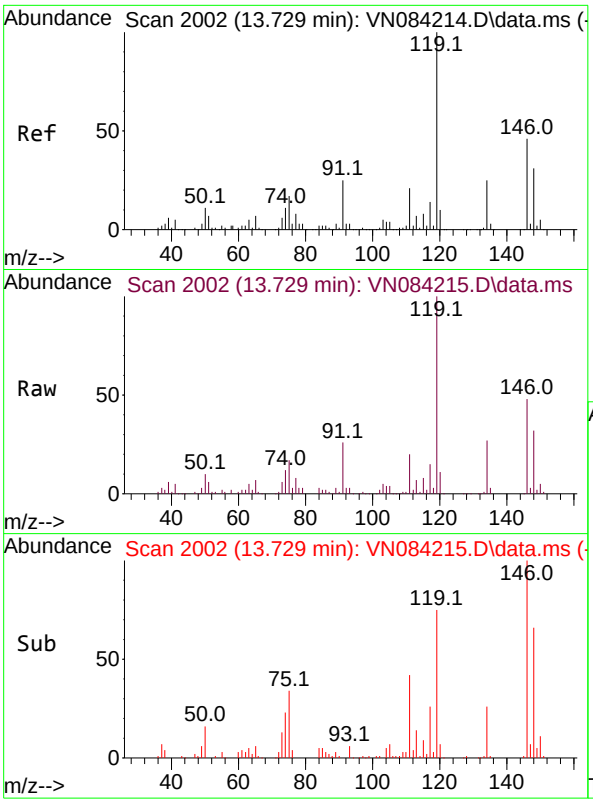


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 171766

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.7	12.4	37.2



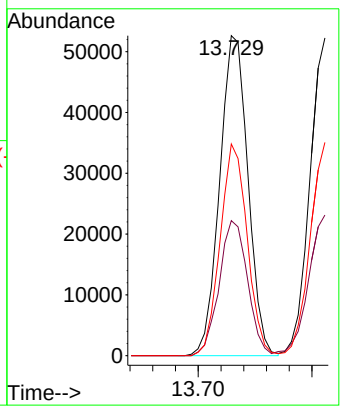


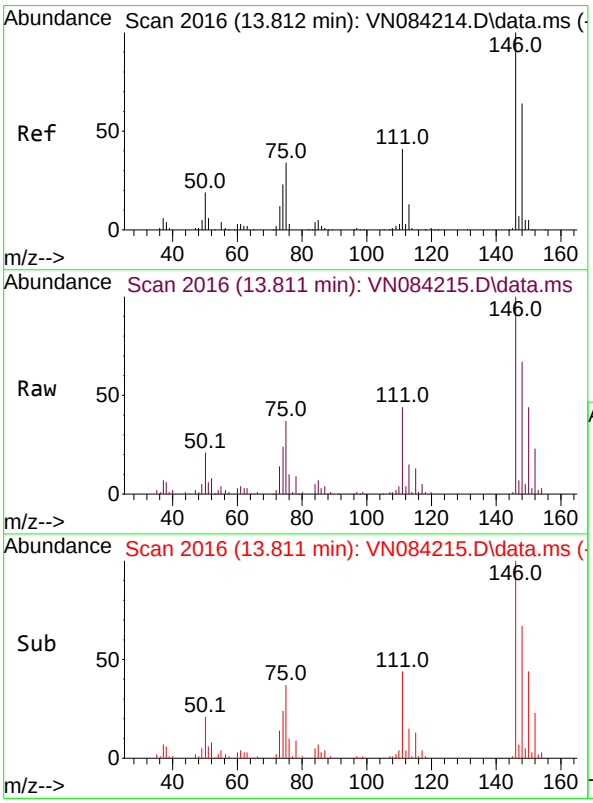
#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 90970

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.4	31.9	95.7

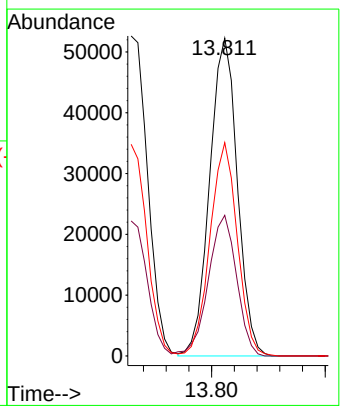


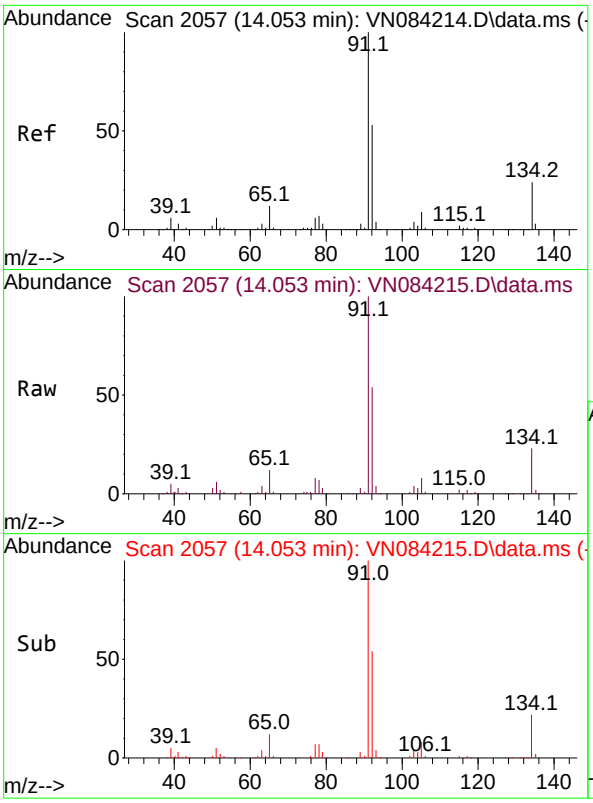


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 88628

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	66.2	31.9	95.9



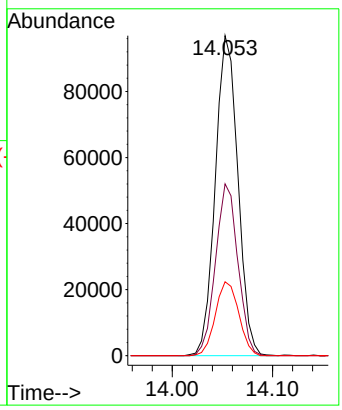


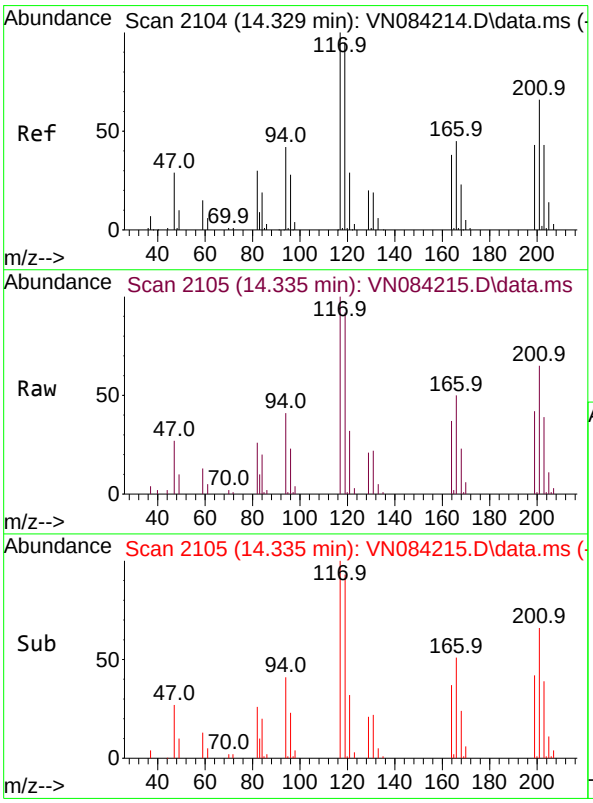
#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 151334

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.9	12.3	36.9

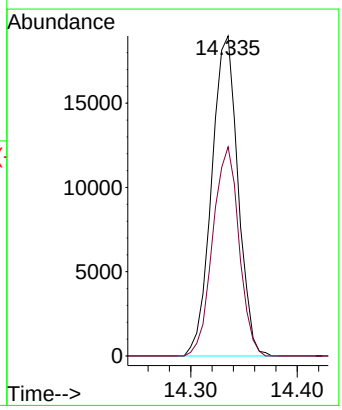


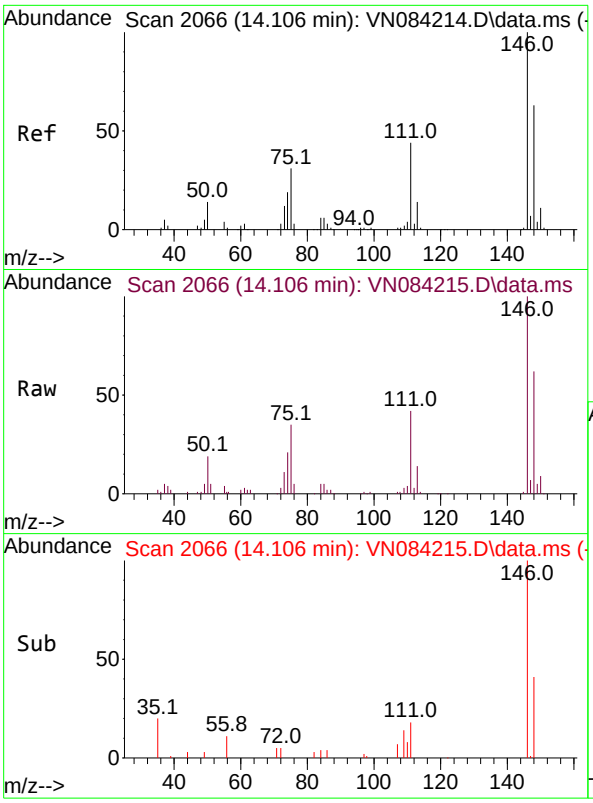


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



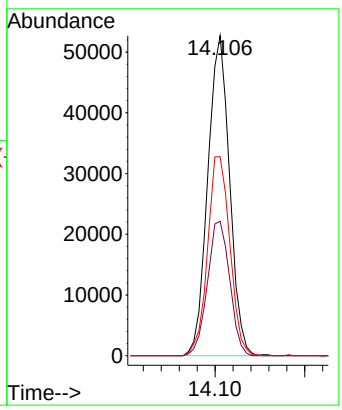


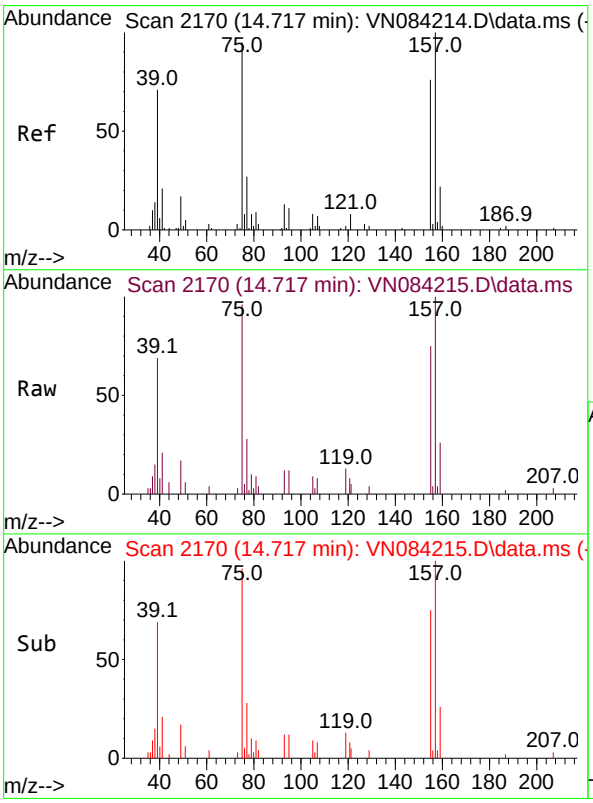
#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 88942

Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	63.6	32.1	96.3

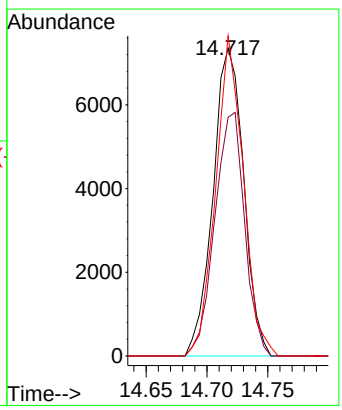


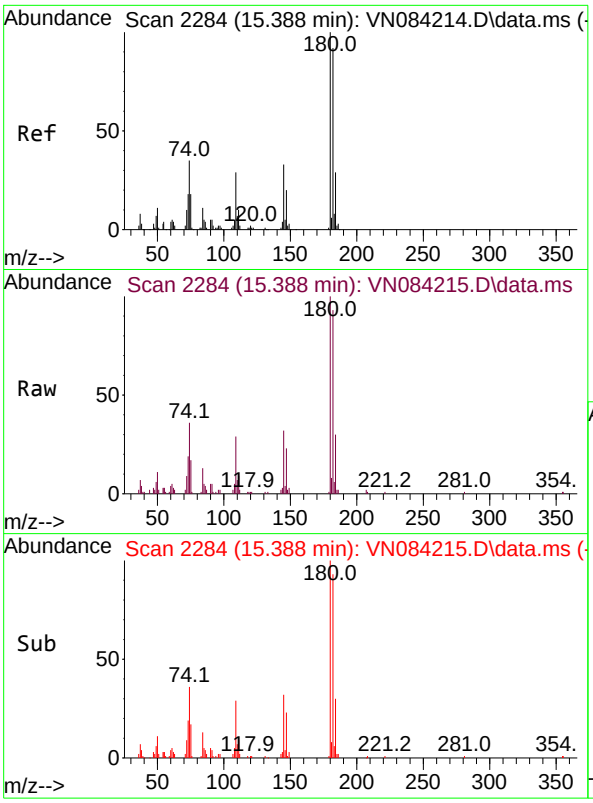


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 12914

Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.1	114.5
157	93.4	49.6	149.0



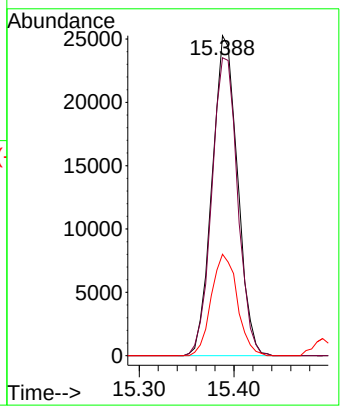


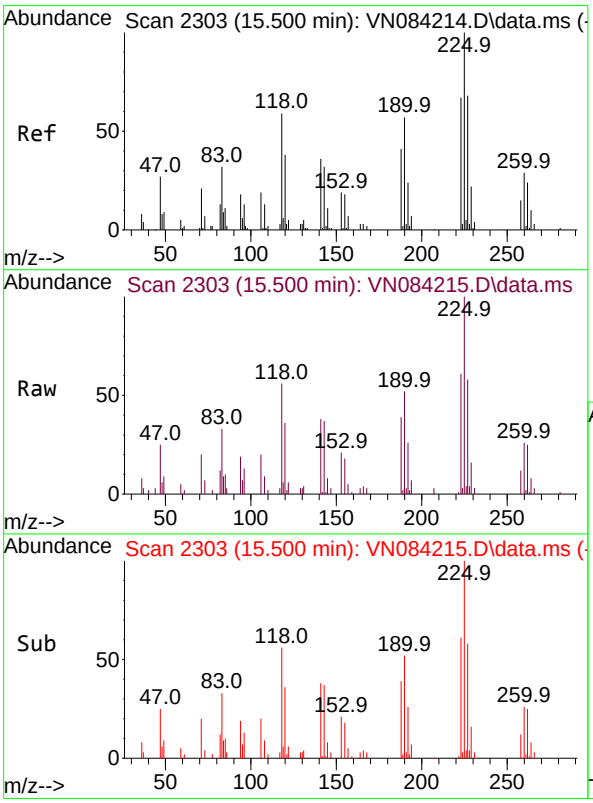
#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 47149

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.3	16.4	49.4

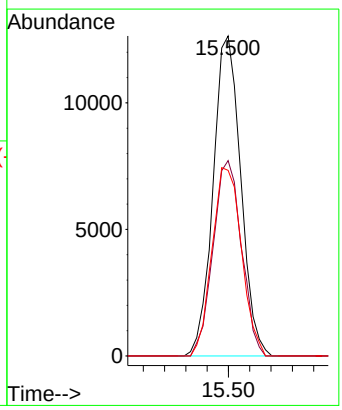


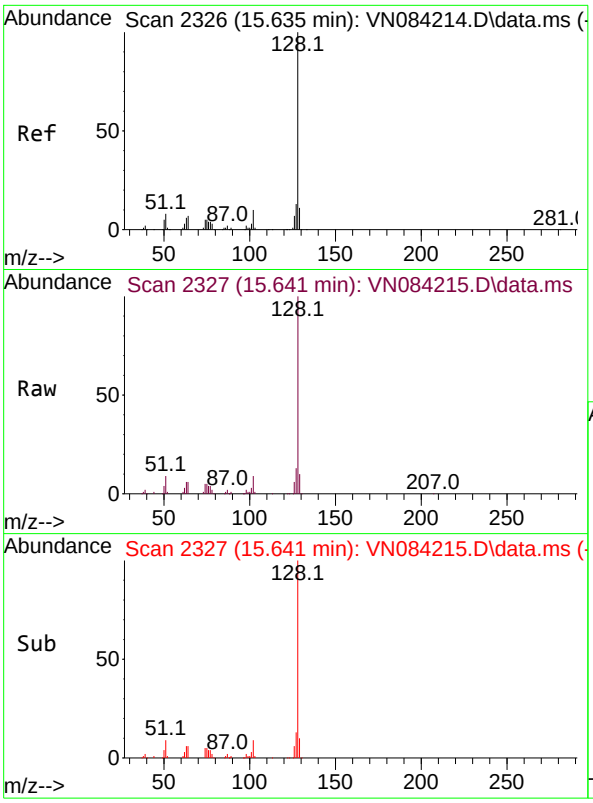


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:225 Resp: 22742

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	62.7	32.4	97.0



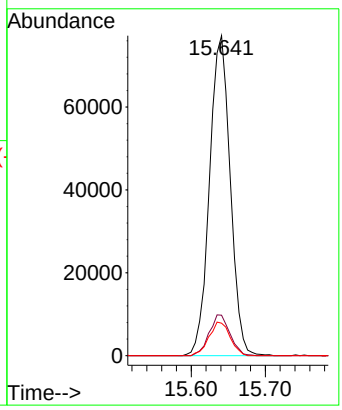


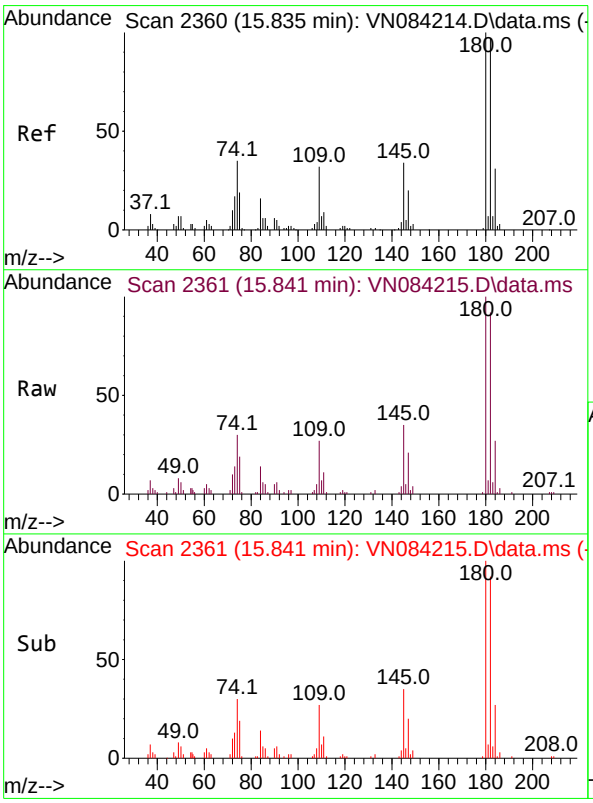
#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 149988

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1

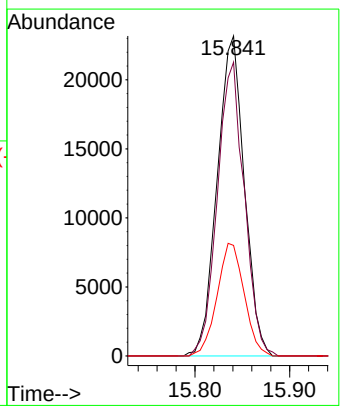




#96
1,2,3-Trichlorobenzene
Concen: 21.639 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 46153

Ion	Ratio	Lower	Upper
180	100		
182	90.7	48.2	144.6
145	35.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	25083	9.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 19.200%#			
35) Dibromofluoromethane	8.165	113	19289	9.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.180%#			
50) Toluene-d8	10.565	98	70000	9.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 18.920%#			
62) 4-Bromofluorobenzene	12.847	95	24756	9.186	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 18.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	19806	9.501	ug/l	96
3) Chloromethane	2.359	50	22840	9.595	ug/l	97
4) Vinyl Chloride	2.518	62	22584	9.795	ug/l	97
5) Bromomethane	2.965	94	14957	9.835	ug/l	96
6) Chloroethane	3.124	64	15254	9.238	ug/l	89
7) Trichlorofluoromethane	3.494	101	33820	9.420	ug/l	99
8) Diethyl Ether	3.965	74	12422	9.328	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	18747	9.113	ug/l	98
10) Methyl Iodide	4.594	142	24268	9.160	ug/l	96
11) Tert butyl alcohol	5.512	59	20490	47.553	ug/l #	86
12) 1,1-Dichloroethene	4.341	96	18798	9.473	ug/l	86
13) Acrolein	4.183	56	22976	46.448	ug/l	98
14) Allyl chloride	5.024	41	31571	9.161	ug/l	98
15) Acrylonitrile	5.718	53	52809	48.533	ug/l	99
16) Acetone	4.424	43	52518	46.785	ug/l	96
17) Carbon Disulfide	4.718	76	58158	9.257	ug/l	99
18) Methyl Acetate	5.024	43	24366	9.959	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	63531	9.486	ug/l	94
20) Methylene Chloride	5.277	84	21801	9.554	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	20107	9.672	ug/l	85
22) Diisopropyl ether	6.671	45	66959	9.393	ug/l	97
23) Vinyl Acetate	6.606	43	248594	46.769	ug/l	98
24) 1,1-Dichloroethane	6.571	63	38215	9.586	ug/l	99
25) 2-Butanone	7.482	43	73877	48.320	ug/l	99
26) 2,2-Dichloropropane	7.488	77	34655	9.641	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	23095	9.193	ug/l	98
28) Bromochloromethane	7.812	49	14904	8.379	ug/l	100
29) Tetrahydrofuran	7.835	42	46917	49.725	ug/l	99
30) Chloroform	7.965	83	39355	9.504	ug/l	90
31) Cyclohexane	8.253	56	36916	9.538	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	35869	9.645	ug/l #	87
36) 1,1-Dichloropropene	8.377	75	28525	9.767	ug/l	99
37) Ethyl Acetate	7.565	43	29754	9.931	ug/l #	81
38) Carbon Tetrachloride	8.365	117	30964	9.665	ug/l	92
39) Methylcyclohexane	9.600	83	30932	9.516	ug/l	95
40) Benzene	8.606	78	86029	9.454	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	15332	9.426	ug/l		97
42) 1,2-Dichloroethane	8.671	62	30402	9.855	ug/l		97
43) Isopropyl Acetate	8.688	43	52246	8.906	ug/l		99
44) Trichloroethene	9.347	130	20092	9.454	ug/l		99
45) 1,2-Dichloropropane	9.618	63	20703	9.618	ug/l		96
46) Dibromomethane	9.706	93	13770	9.479	ug/l		95
47) Bromodichloromethane	9.888	83	30289	9.385	ug/l	#	98
48) Methyl methacrylate	9.682	41	22612	9.679	ug/l		98
49) 1,4-Dioxane	9.694	88	8627	200.587	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.441	43	142632	50.007	ug/l		99
52) Toluene	10.629	92	52537	9.468	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	31555	9.592	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	34684	9.802	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	19245	9.675	ug/l		97
56) Ethyl methacrylate	10.870	69	31262	9.551	ug/l		97
57) 1,3-Dichloropropane	11.165	76	33613	9.457	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	71035	46.784	ug/l		99
59) 2-Hexanone	11.194	43	103615	48.604	ug/l		100
60) Dibromochloromethane	11.359	129	22833	9.715	ug/l		99
61) 1,2-Dibromoethane	11.470	107	19220	9.299	ug/l		95
64) Tetrachloroethene	11.100	164	17743	9.711	ug/l		97
65) Chlorobenzene	11.894	112	56099	9.645	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	19227	9.597	ug/l		97
67) Ethyl Benzene	11.964	91	96533	9.385	ug/l		97
68) m/p-Xylenes	12.070	106	72910	19.162	ug/l		100
69) o-Xylene	12.394	106	34965	9.713	ug/l		100
70) Styrene	12.412	104	58367	9.572	ug/l		99
71) Bromoform	12.576	173	13618	9.233	ug/l	#	96
73) Isopropylbenzene	12.694	105	88000	9.638	ug/l		99
74) N-amyl acetate	12.494	43	40801	9.868	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	26966	9.822	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	36789	15.426	ug/l		59
77) Bromobenzene	12.982	156	21439	9.734	ug/l		99
78) n-propylbenzene	13.035	91	105334	9.957	ug/l		99
79) 2-Chlorotoluene	13.123	91	65511	9.704	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	73637	9.887	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	10237	10.047	ug/l		94
82) 4-Chlorotoluene	13.223	91	66449	9.778	ug/l		99
83) tert-Butylbenzene	13.435	119	64152	9.691	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	74245	9.895	ug/l		99
85) sec-Butylbenzene	13.611	105	88913	10.065	ug/l		100
86) p-Isopropyltoluene	13.729	119	71675	9.812	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	39402	9.536	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	39191	9.392	ug/l		97
89) n-Butylbenzene	14.053	91	61422	9.273	ug/l		99
90) Hexachloroethane	14.335	117	14560	9.820	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	38594	9.526	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5799	10.235	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	18960	9.501	ug/l		99
94) Hexachlorobutadiene	15.500	225	9592	9.638	ug/l		95
95) Naphthalene	15.635	128	63596	9.613	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	19629	9.826	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

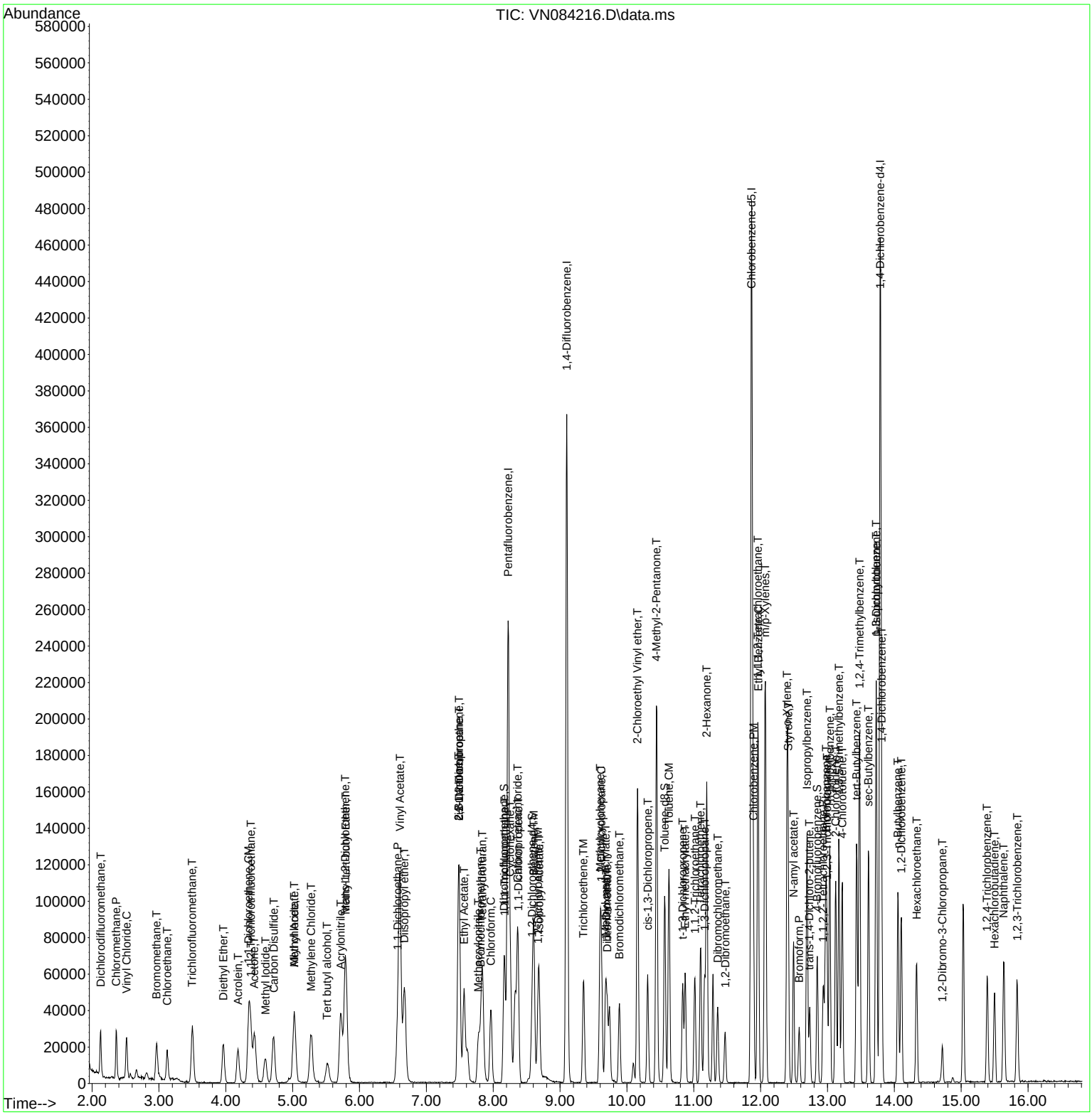
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

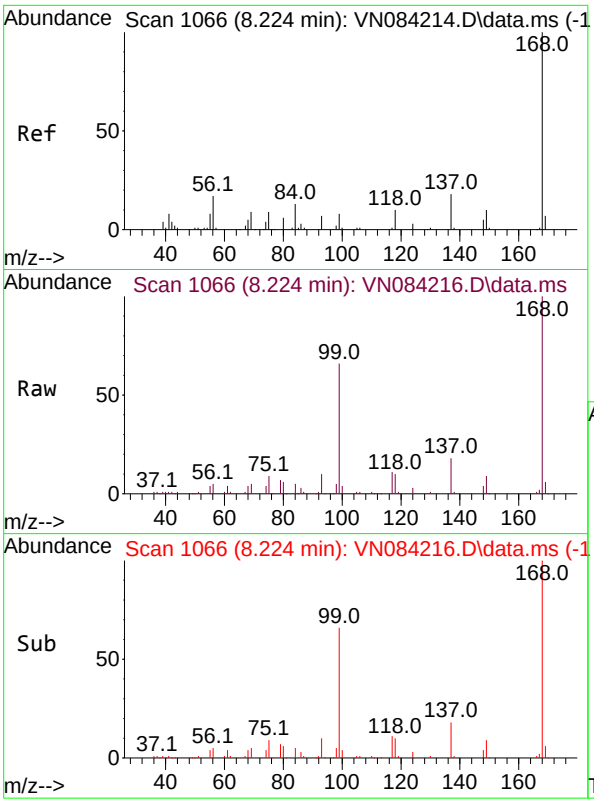
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



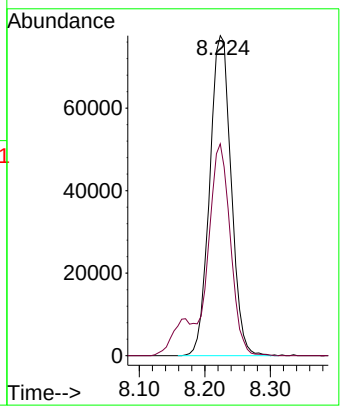


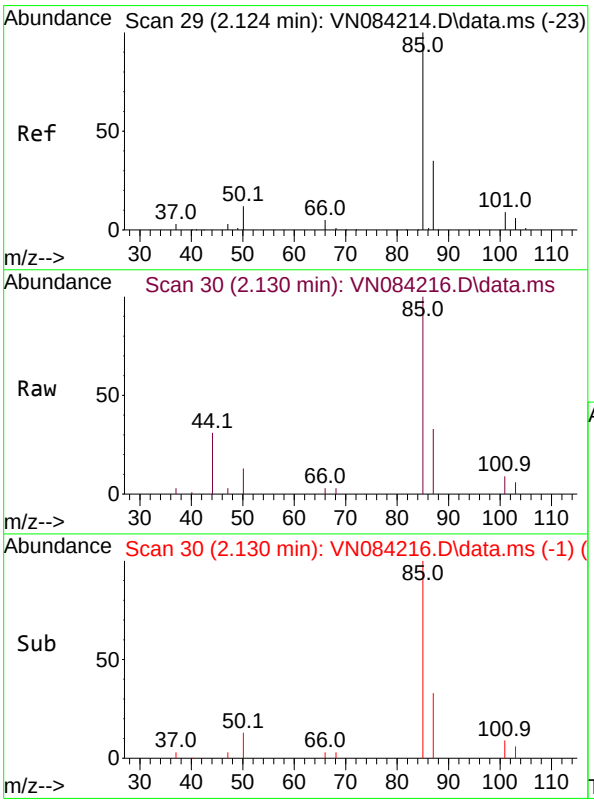
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 176243

Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2

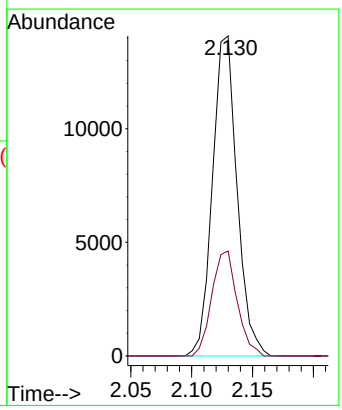


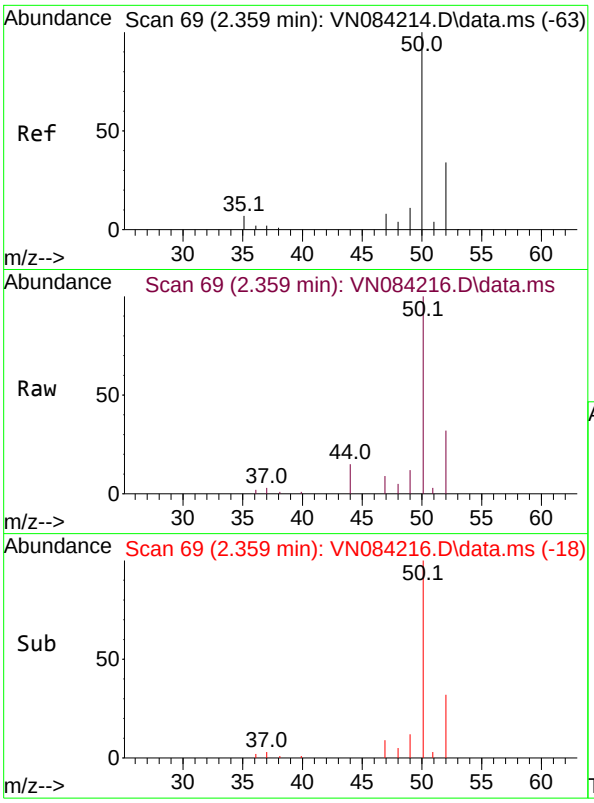


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9



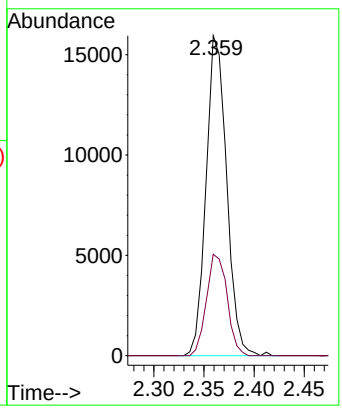


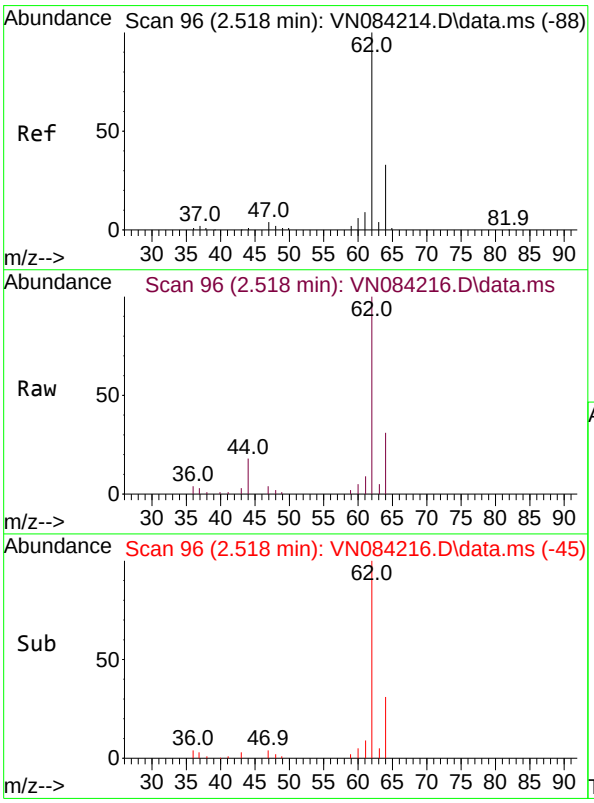
#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 22840

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2

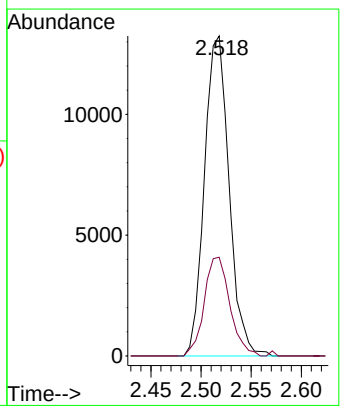


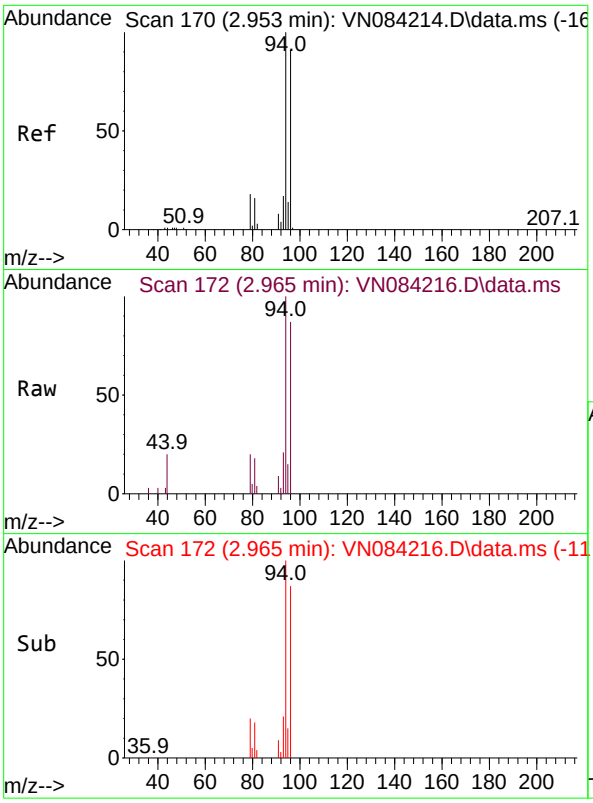


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4



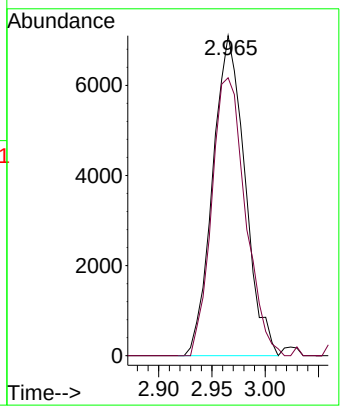


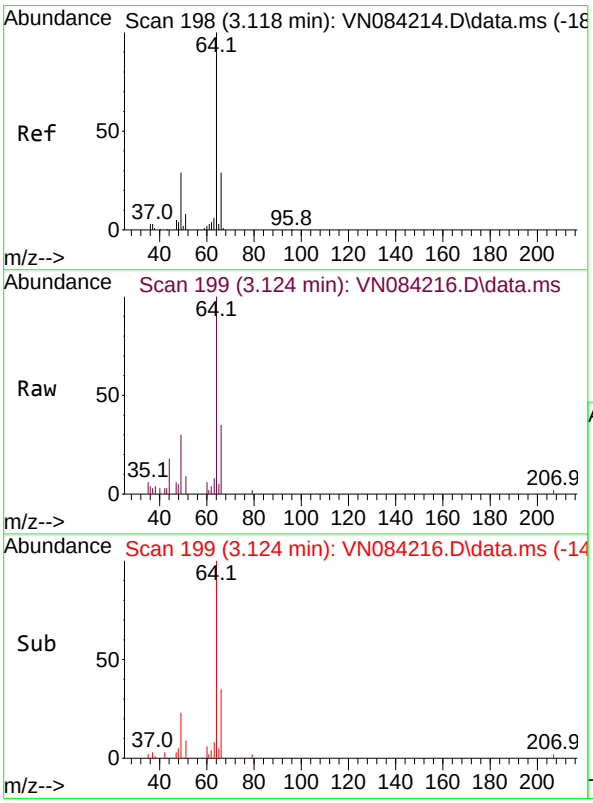
#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 14957

Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3

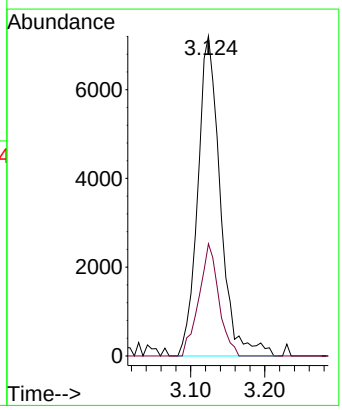


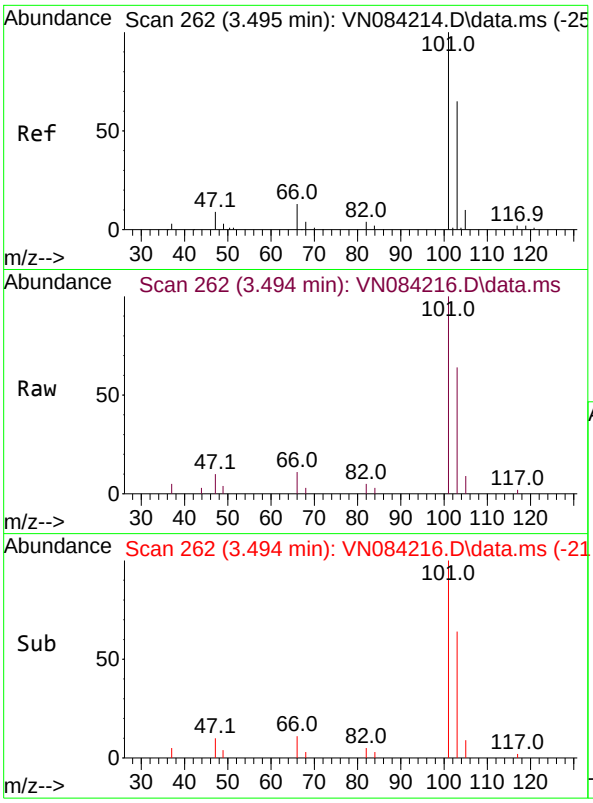


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3



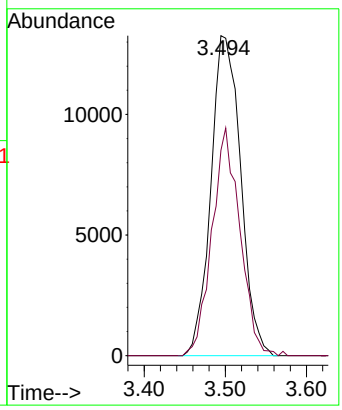


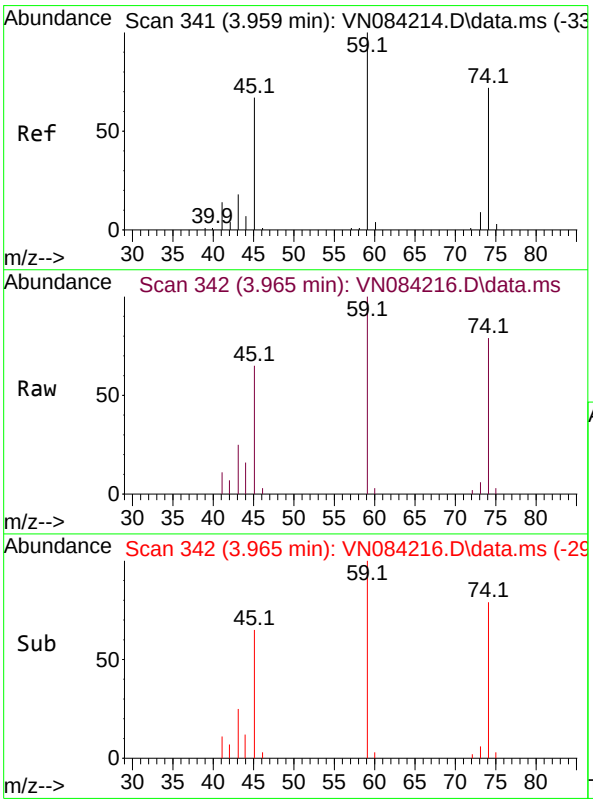
#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33820

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

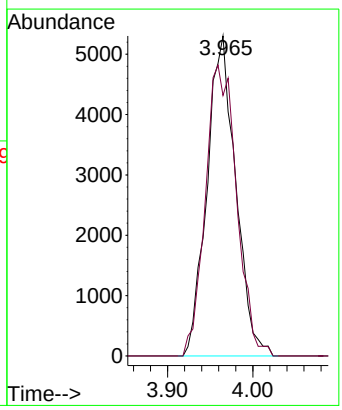


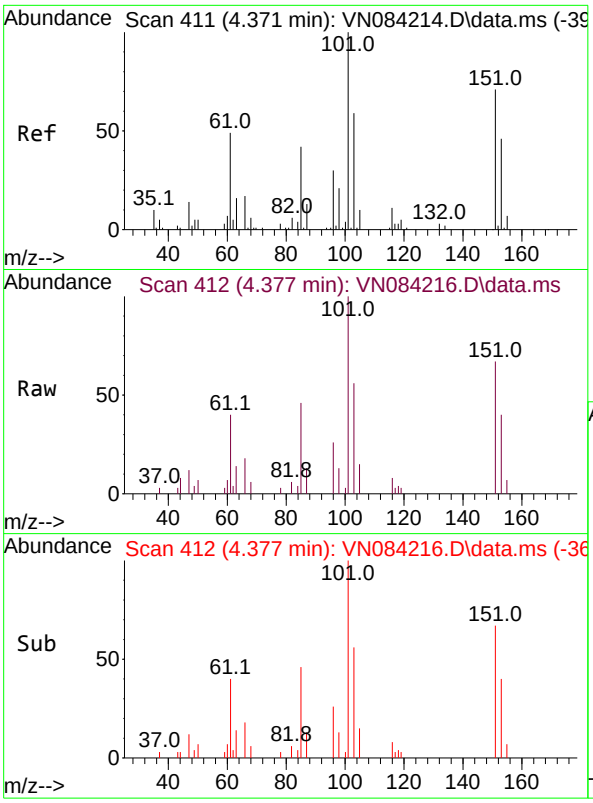


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1



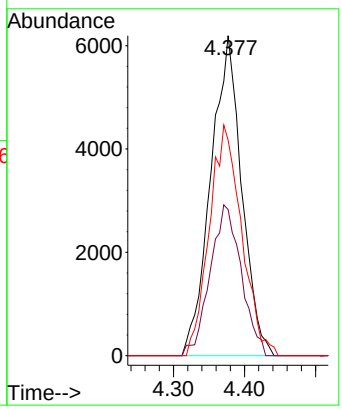


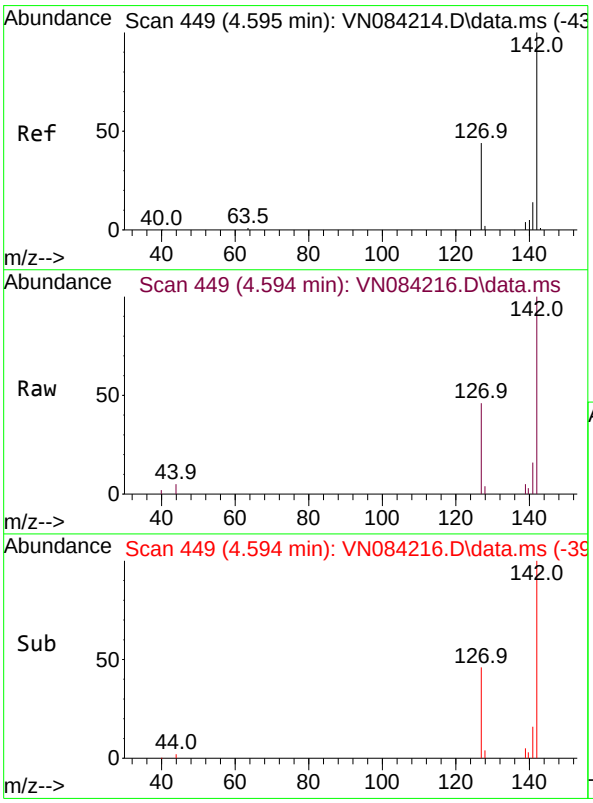
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 18747

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	75.1	59.3	88.9

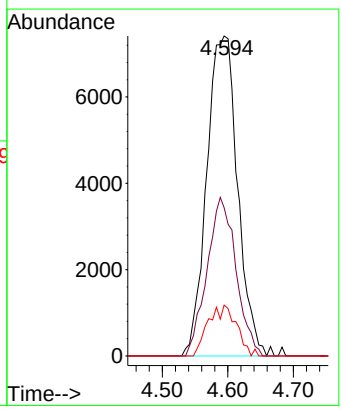


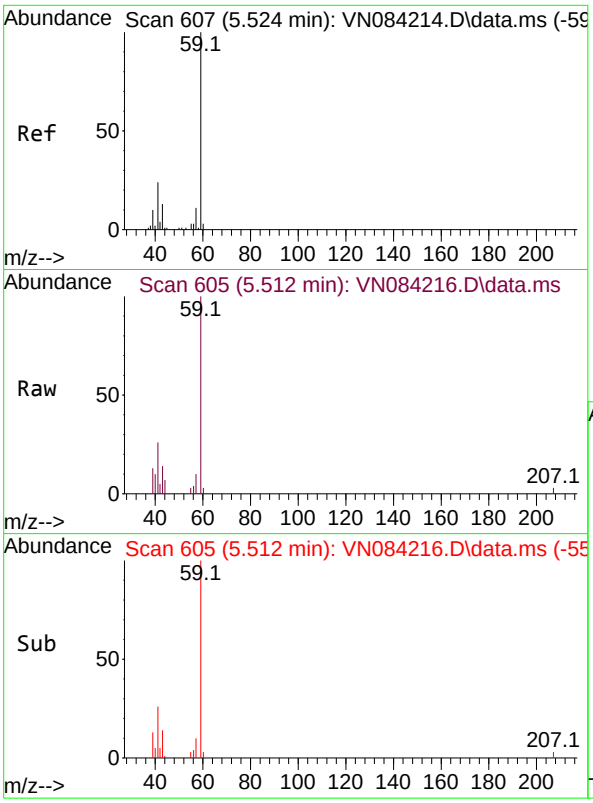


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:142 Resp: 24268

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.3	52.9
141	15.9	11.0	16.6



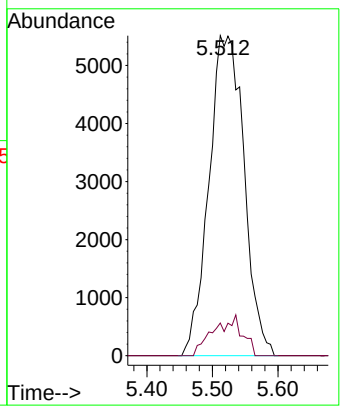


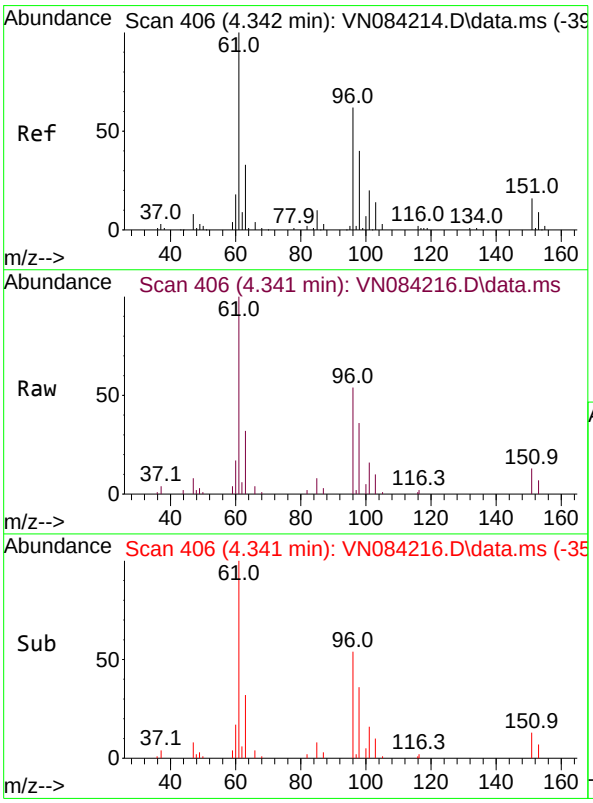
#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 20490

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#

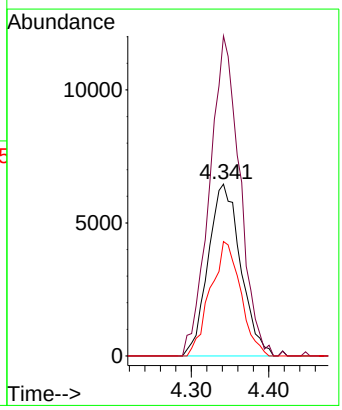


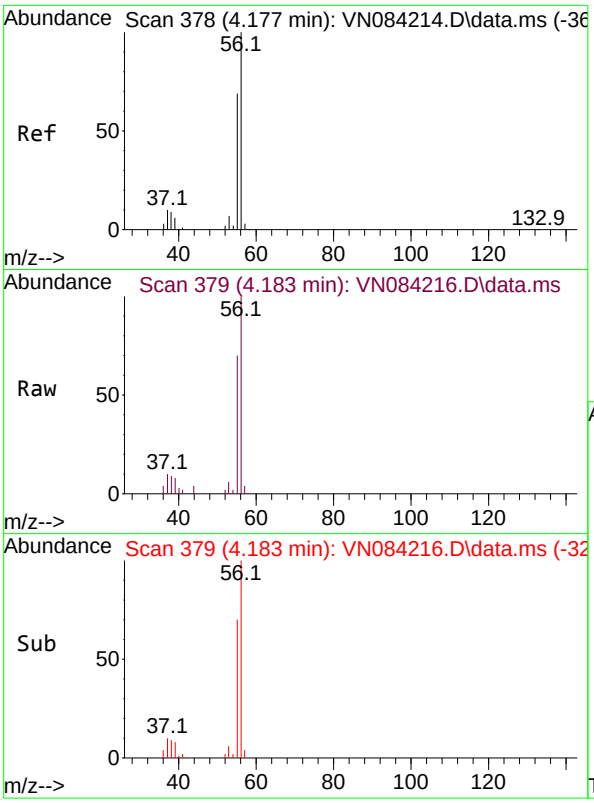


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 18798

Ion	Ratio	Lower	Upper
96	100		
61	186.2	128.6	192.8
98	66.5	51.7	77.5



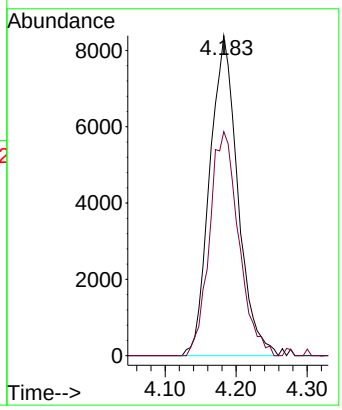


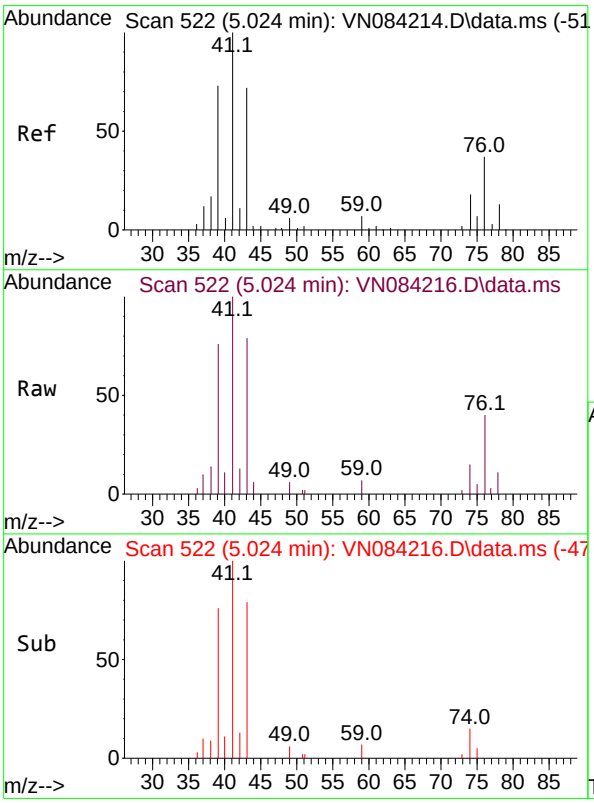
#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 22976

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8

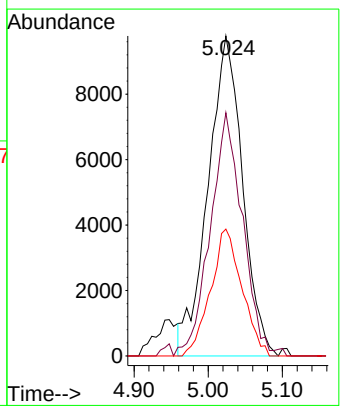


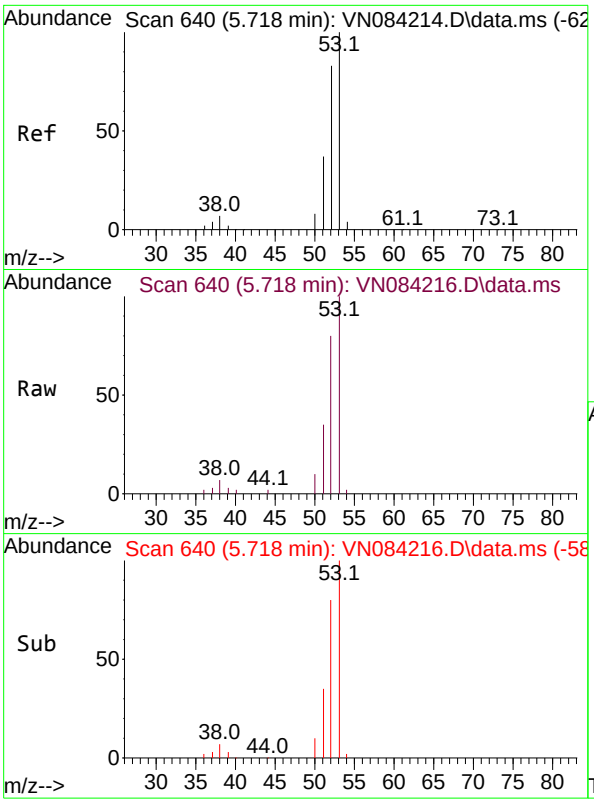


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 31571

Ion	Ratio	Lower	Upper
41	100		
39	71.4	59.0	88.6
76	36.1	29.8	44.6



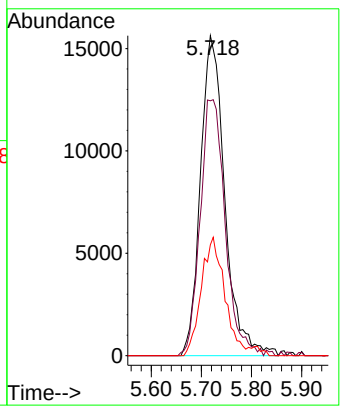


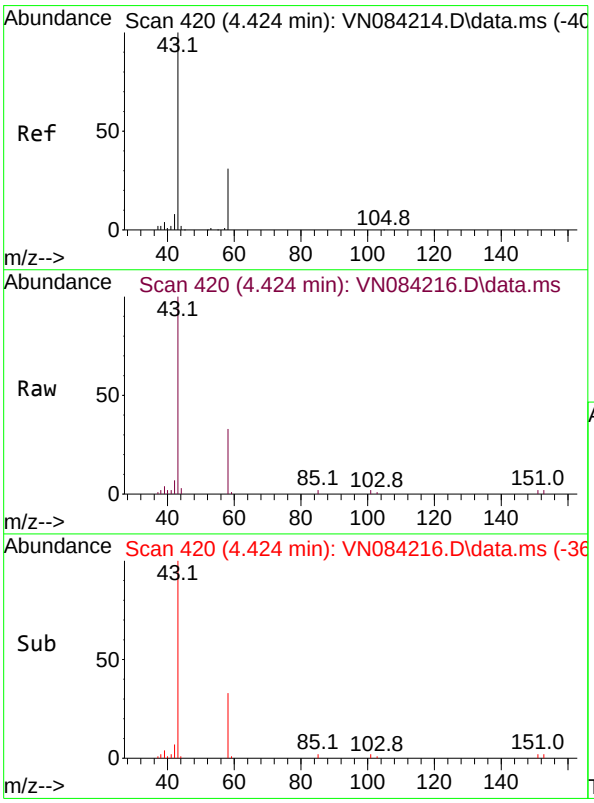
#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 52809

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.4	28.8	43.2

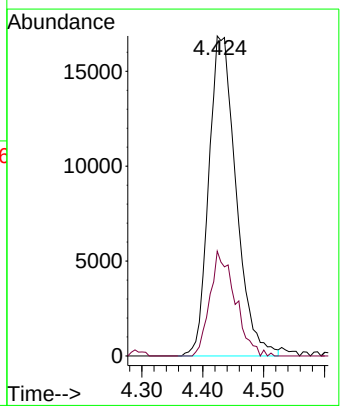


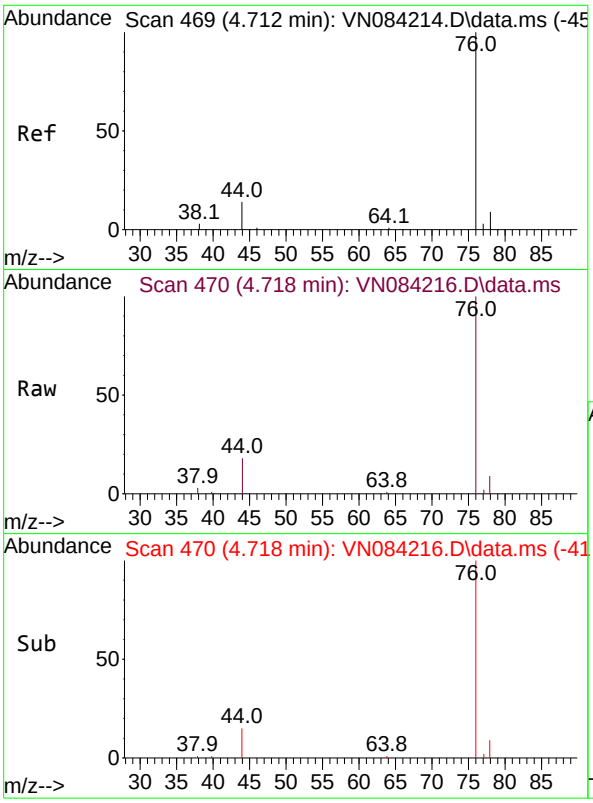


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6



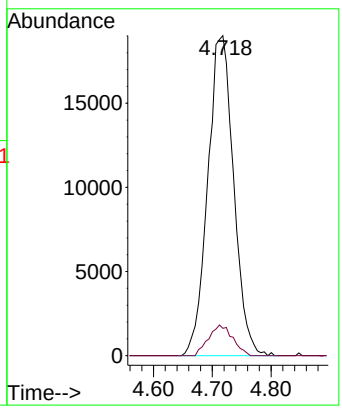


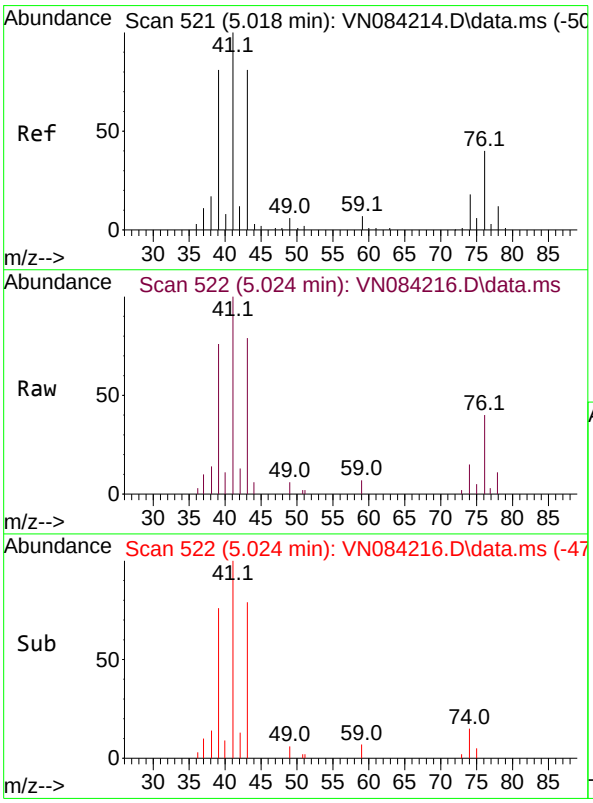
#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 58158

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

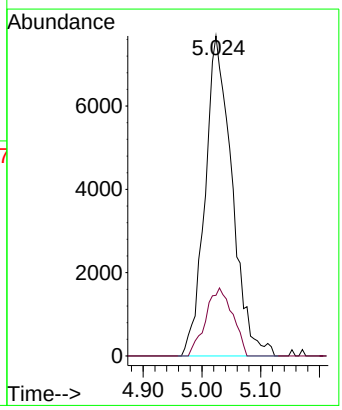


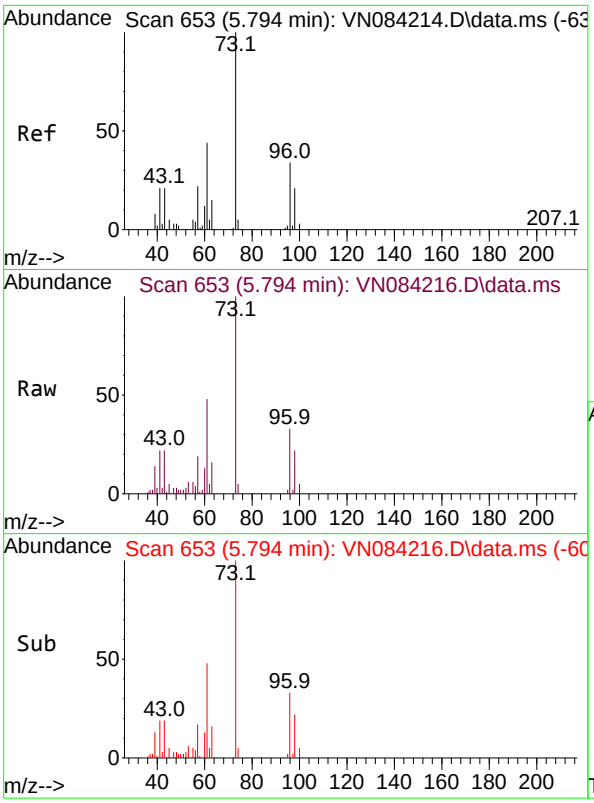


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8



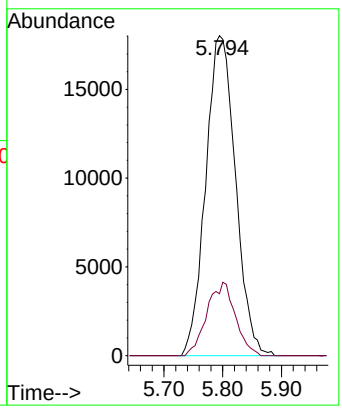


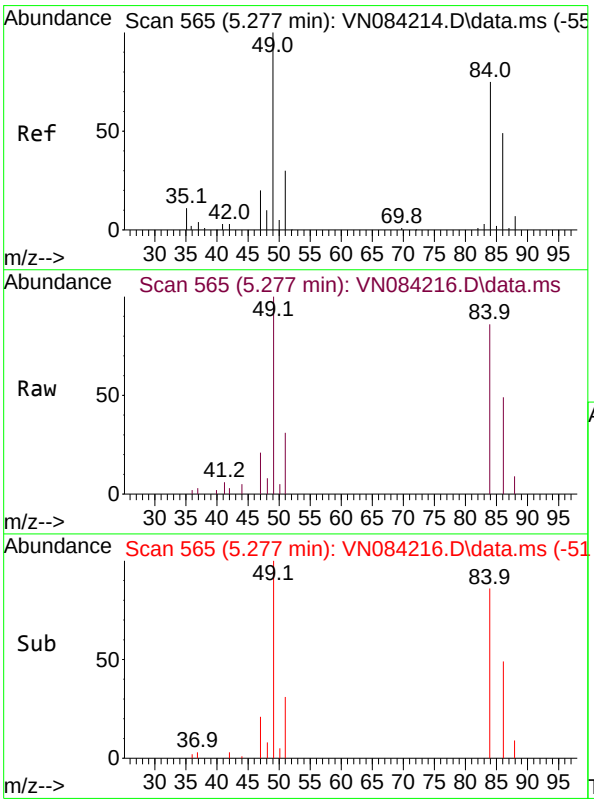
#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 63531

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5

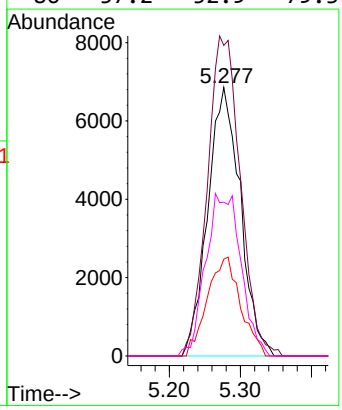


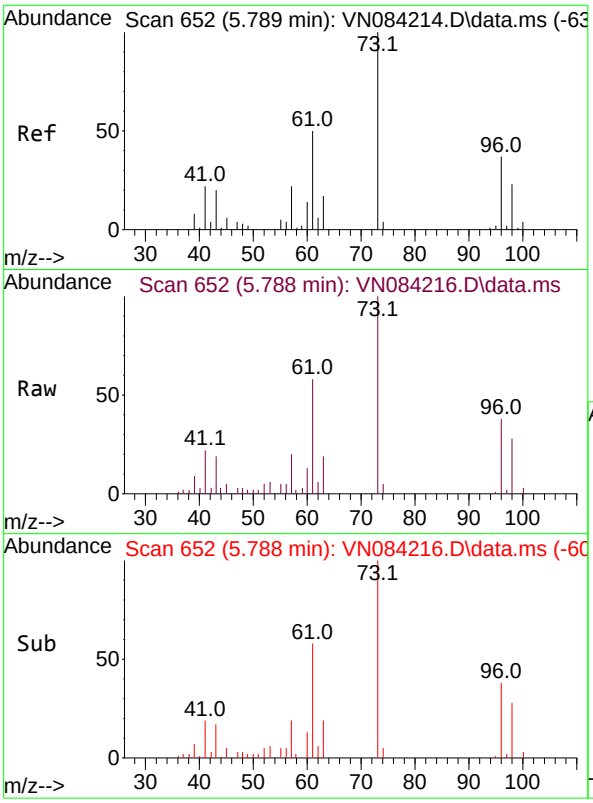


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 84 Resp: 21801

Ion	Ratio	Lower	Upper
84	100		
49	115.7	107.2	160.8
51	36.0	31.8	47.8
86	57.2	52.9	79.3



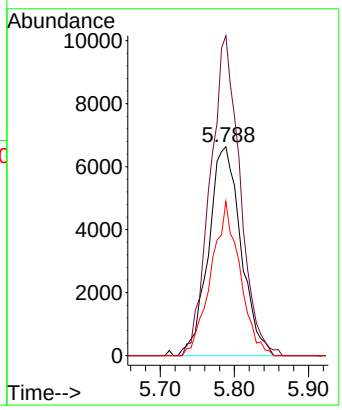


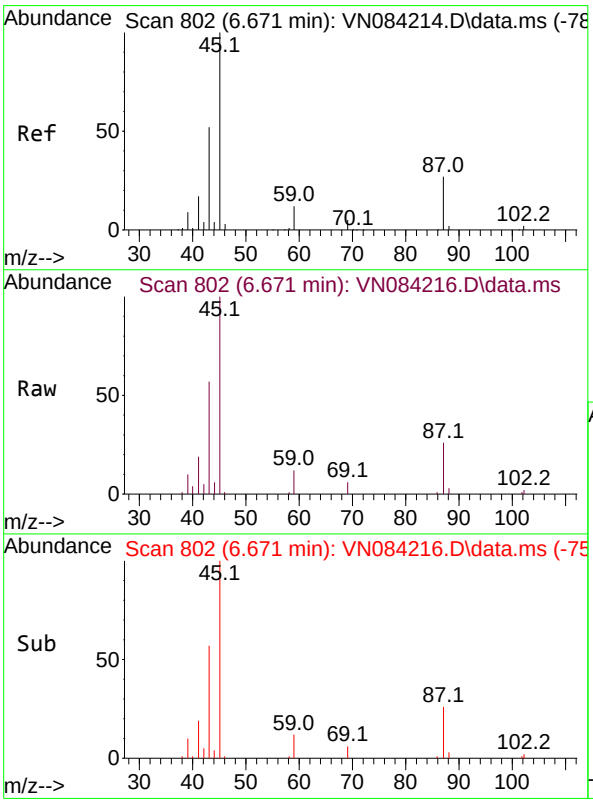
#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 20107

Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.4	162.6
98	73.7	49.8	74.8

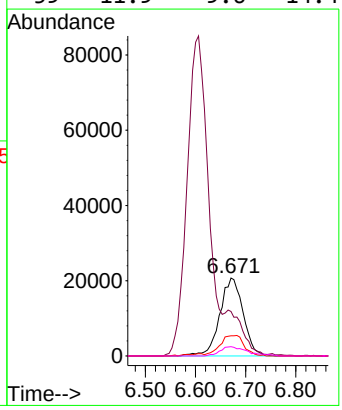


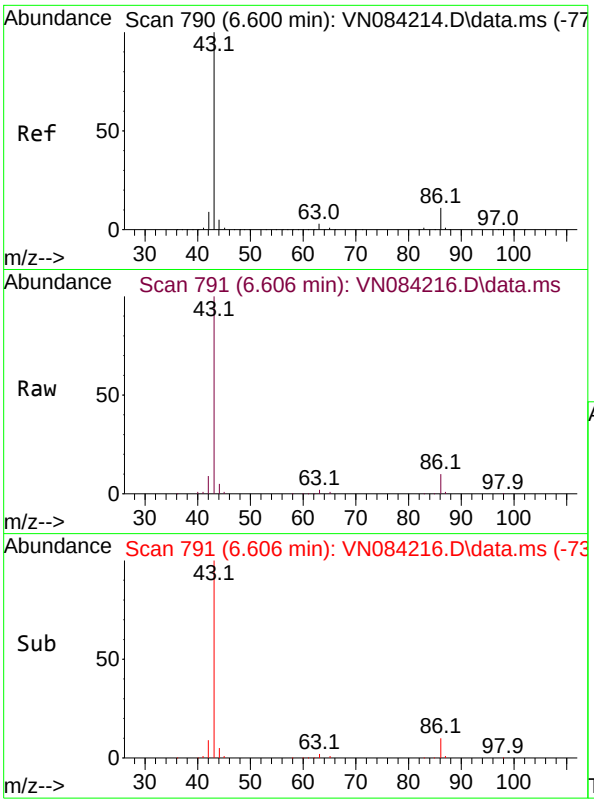


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 45 Resp: 66959

Ion	Ratio	Lower	Upper
45	100		
43	55.7	42.3	63.5
87	25.9	21.8	32.6
59	11.9	9.6	14.4



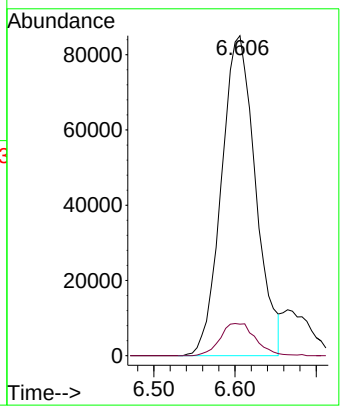


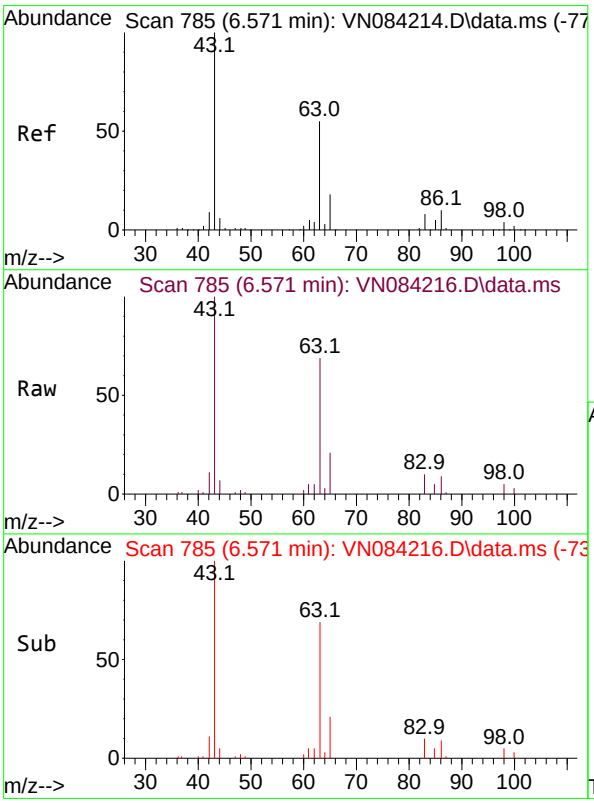
#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 248594

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

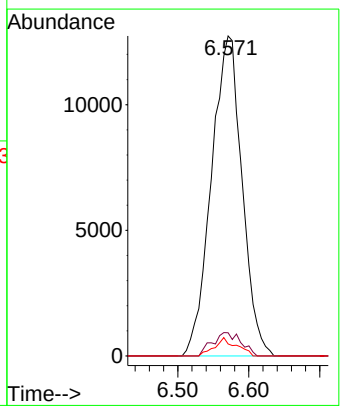


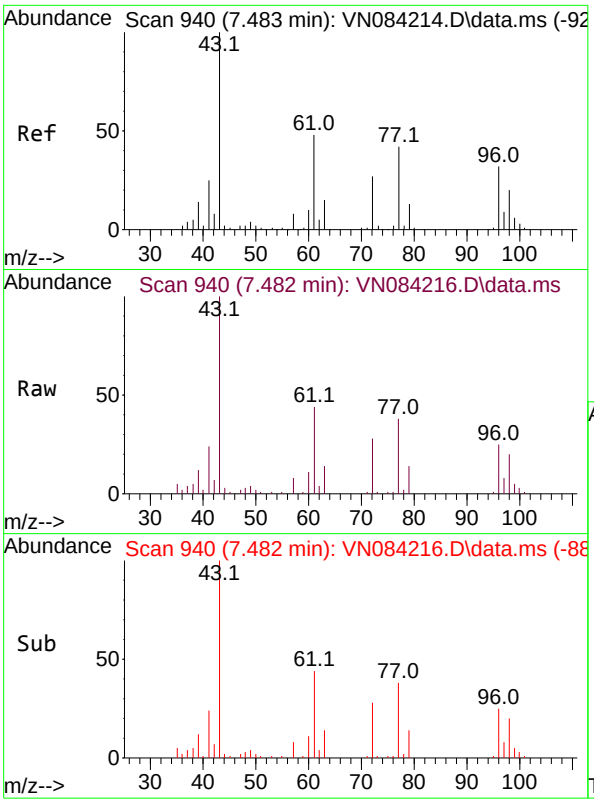


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 38215

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.0	5.8



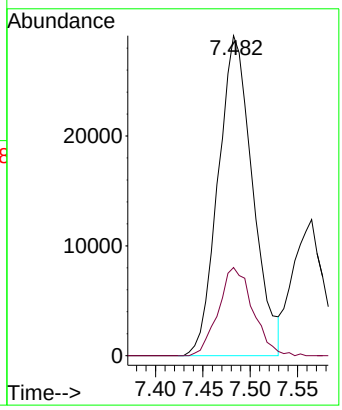


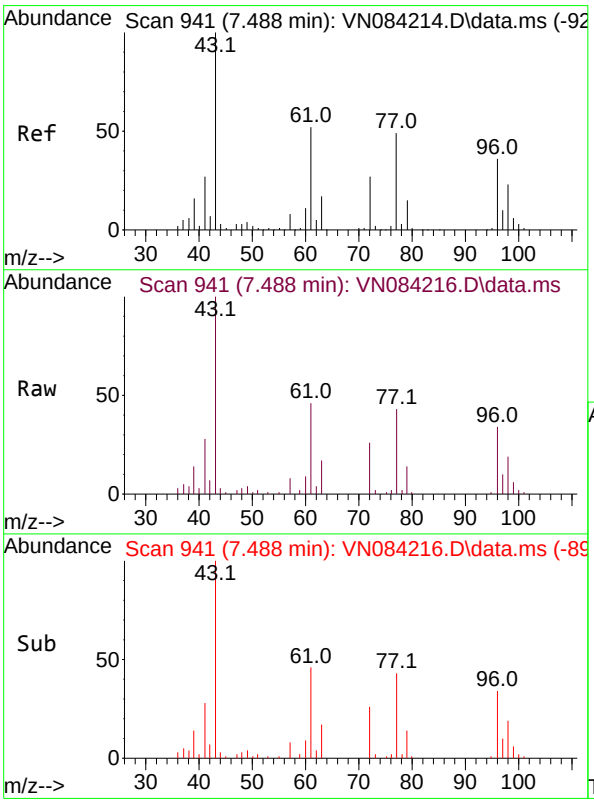
#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 73877

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2

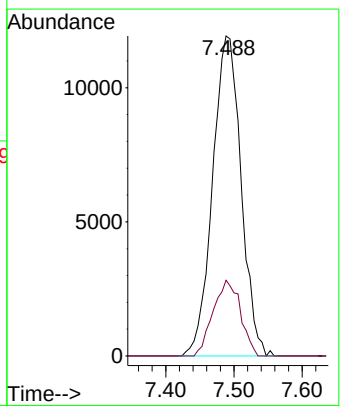


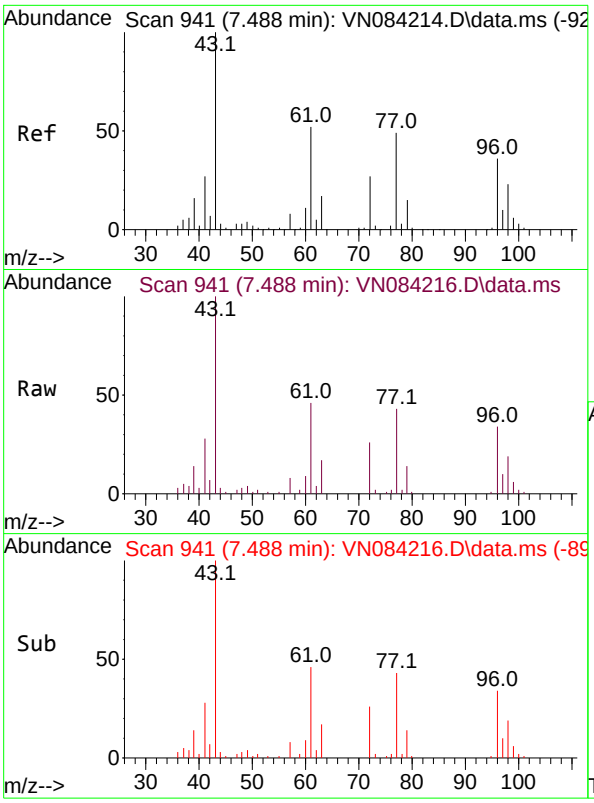


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3



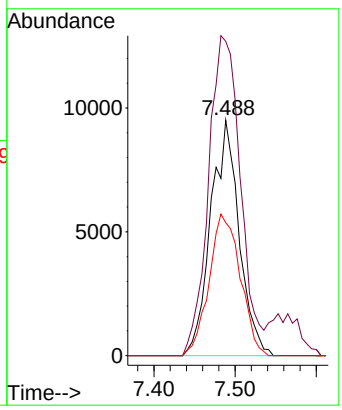


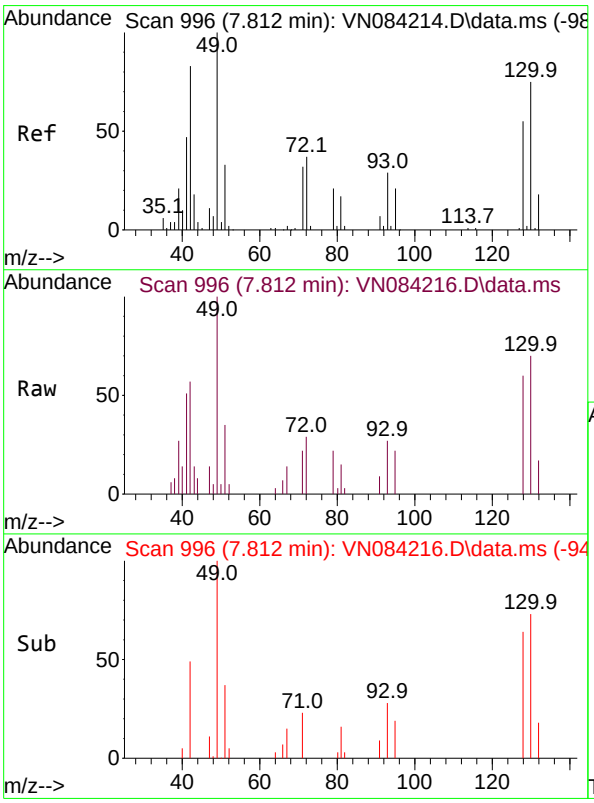
#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 23095

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	301.8
98	66.0	0.0	128.2

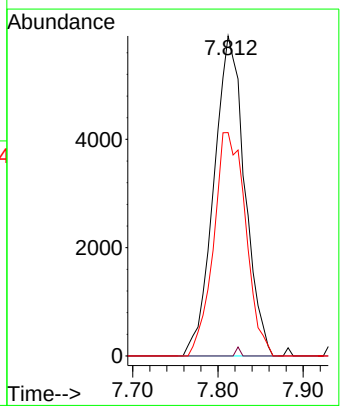


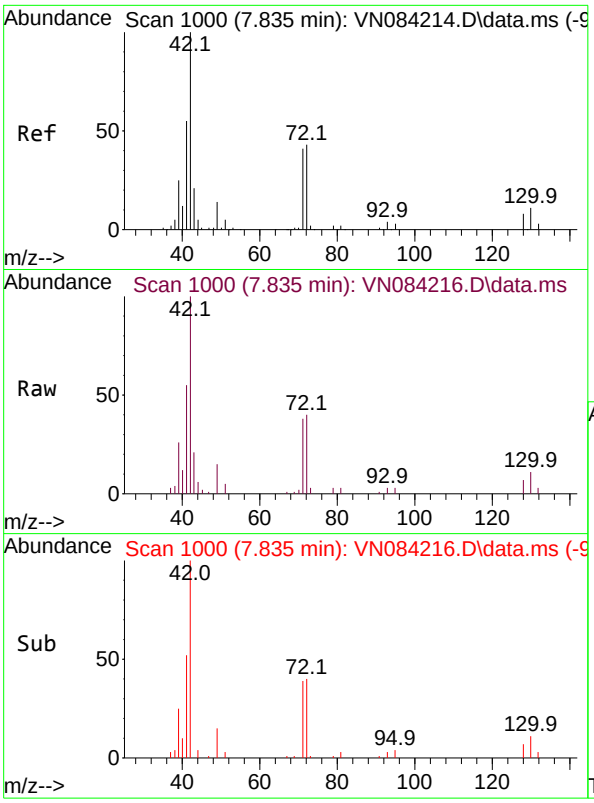


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 49 Resp: 14904

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	72.3	58.0	87.0



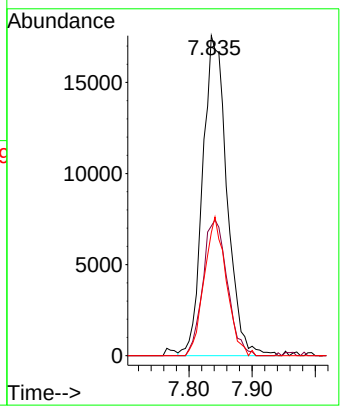


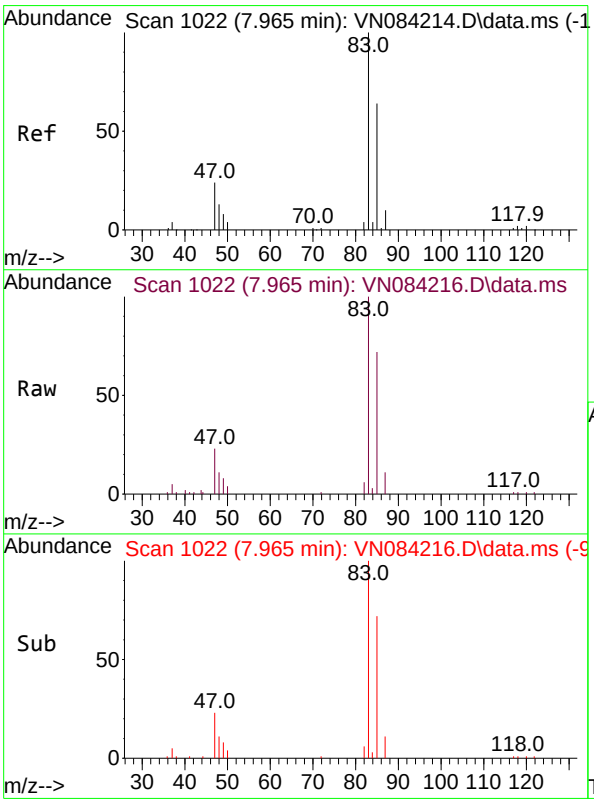
#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 46917

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	51.8
71	39.5	32.2	48.4

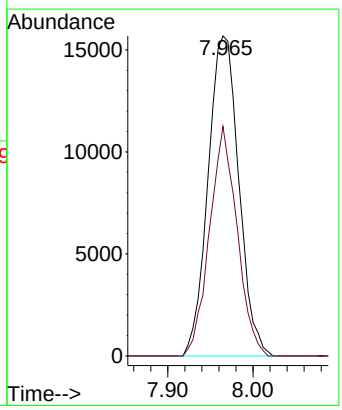


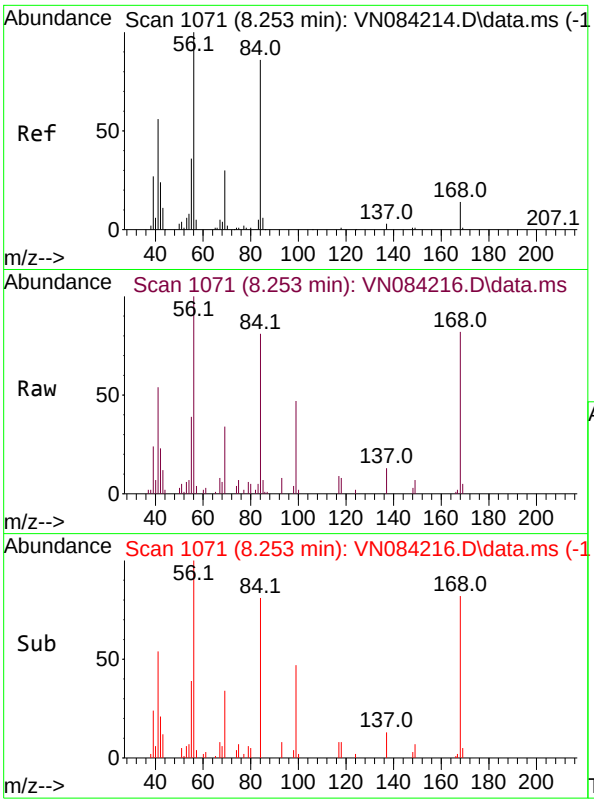


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4



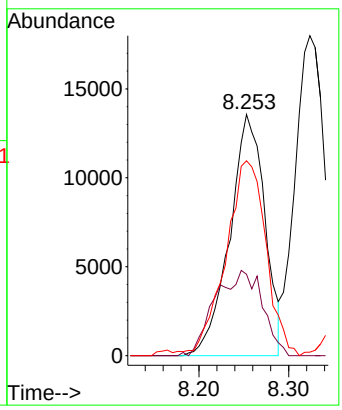


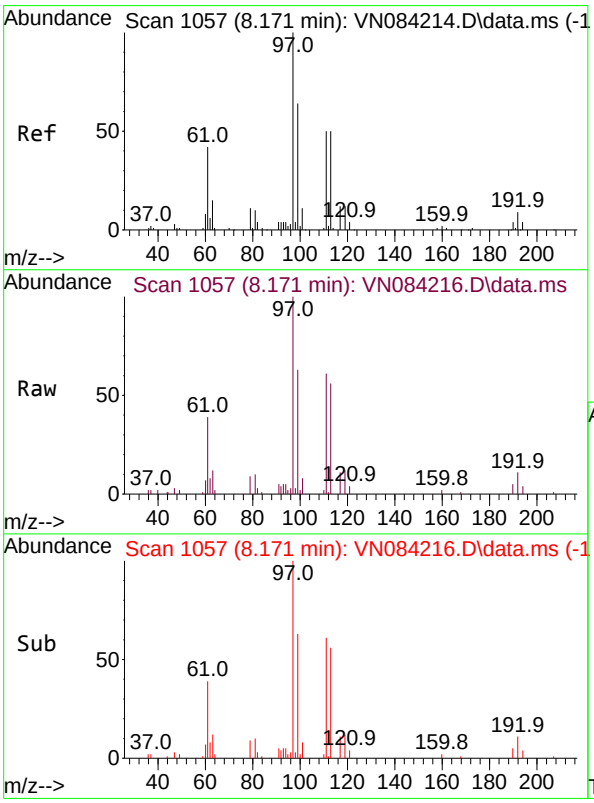
#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 36916

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	79.0	68.8	103.2

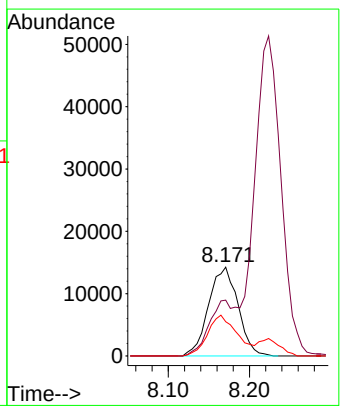


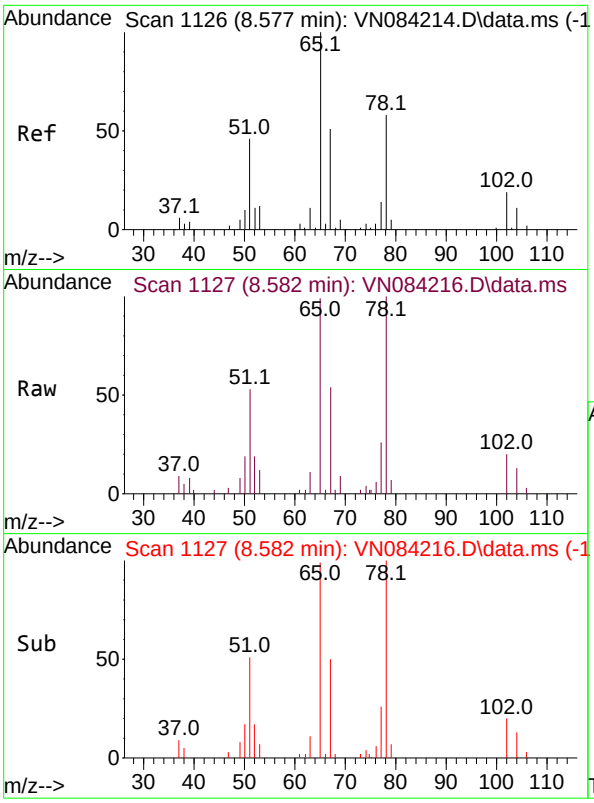


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 35869

Ion	Ratio	Lower	Upper
97	100		
99	46.3	51.2	76.8#
61	46.7	37.5	56.3



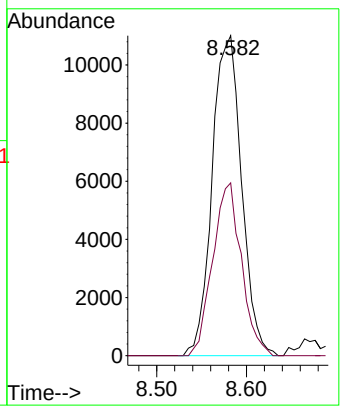


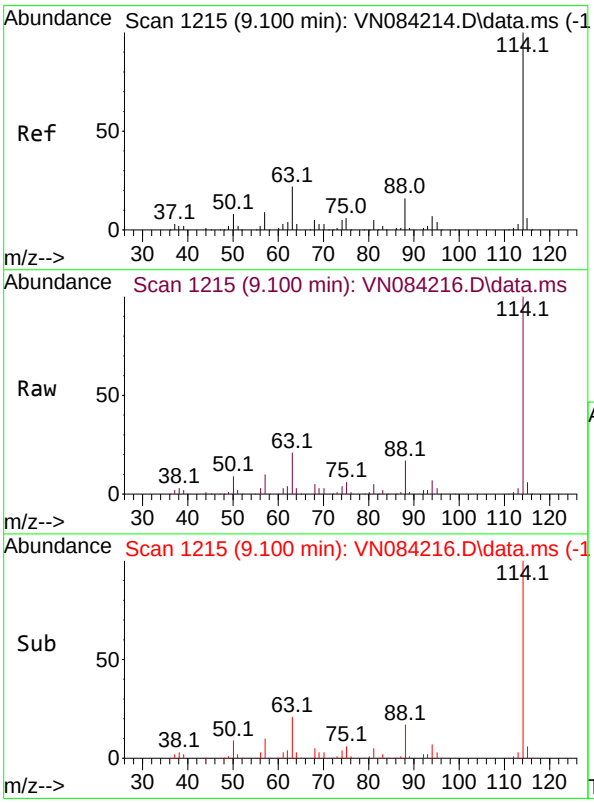
#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25083

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0

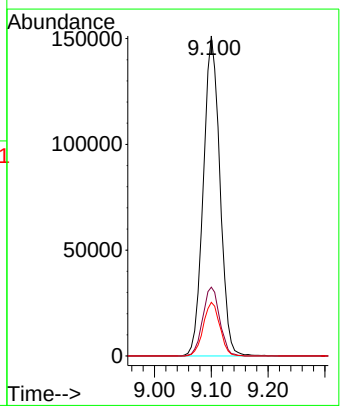


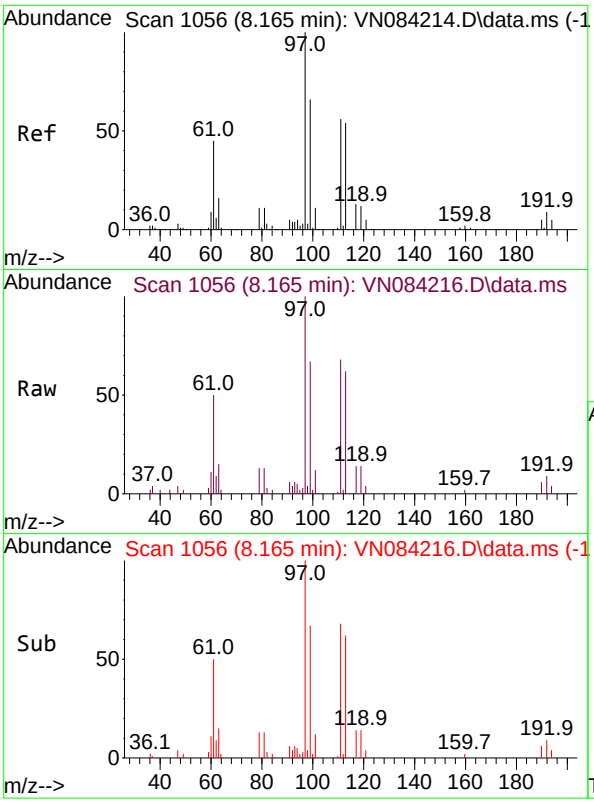


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:114 Resp: 304981

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	16.7	0.0	31.6



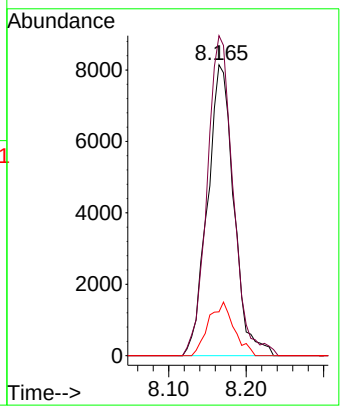


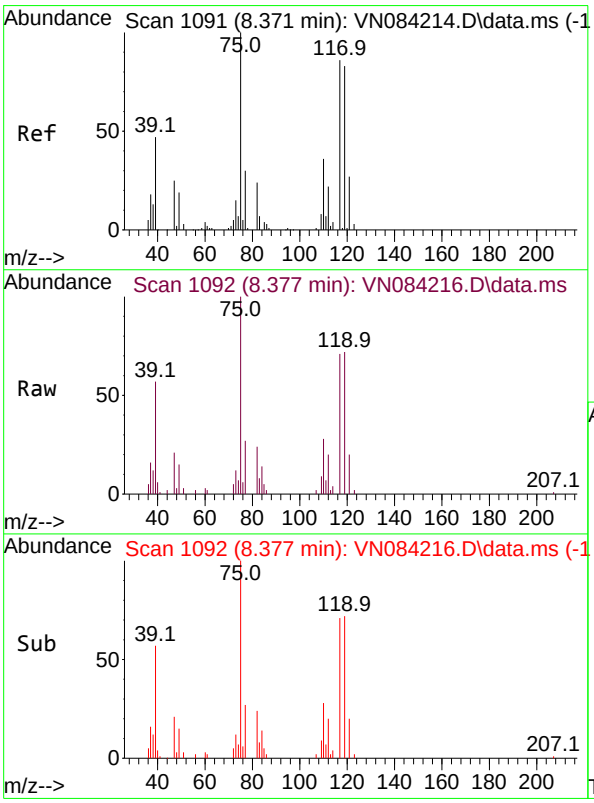
#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 19289

Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.3	124.9
192	17.7	13.5	20.3

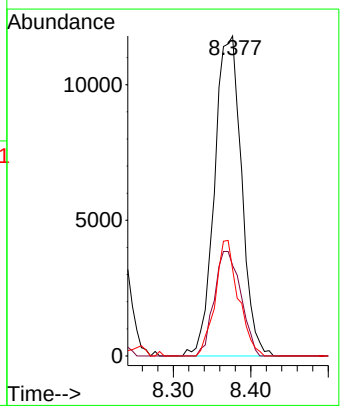


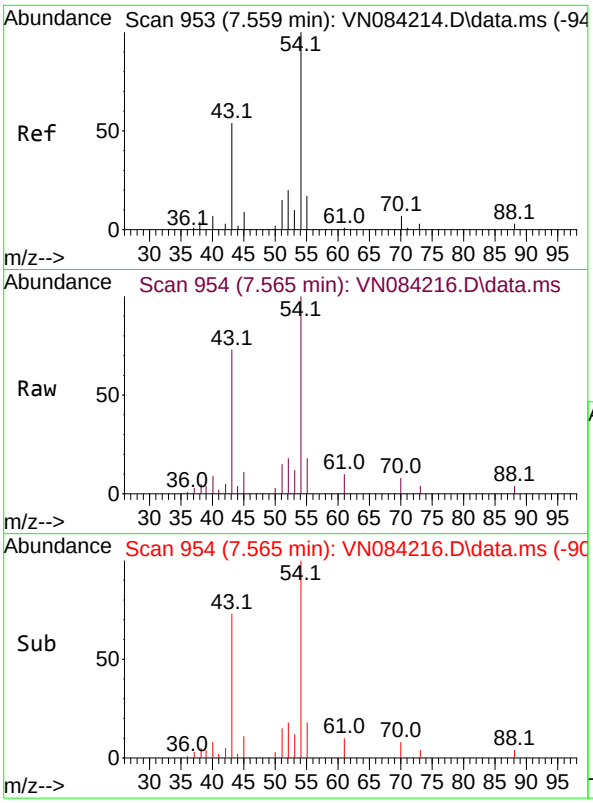


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 28525

Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.9	50.7
77	31.0	24.7	37.1



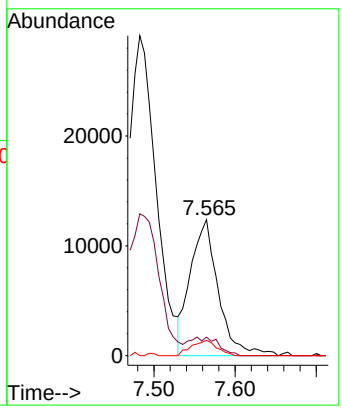


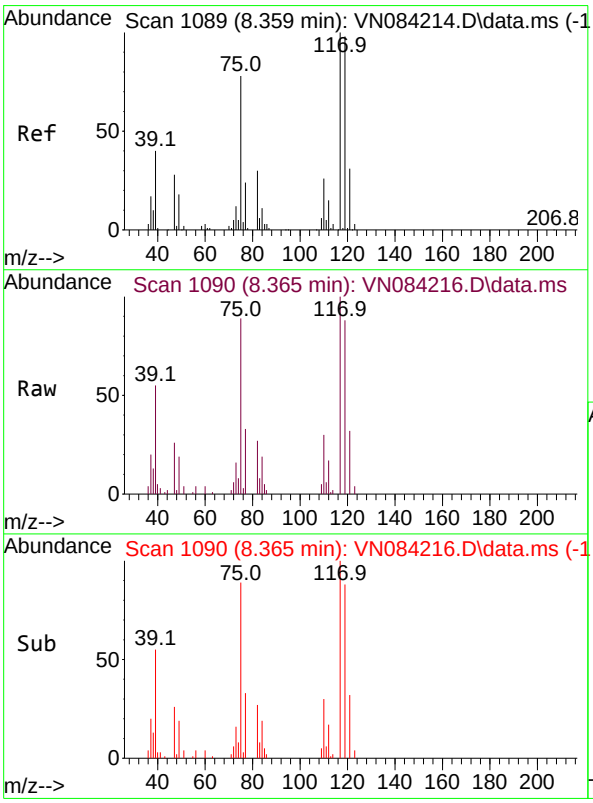
#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 29754

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.2	8.8	13.2

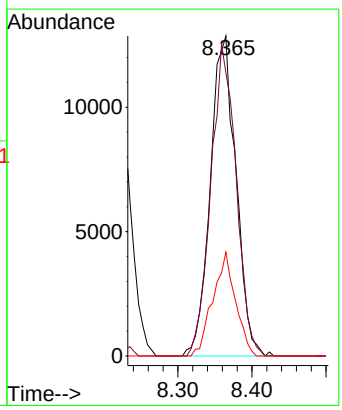


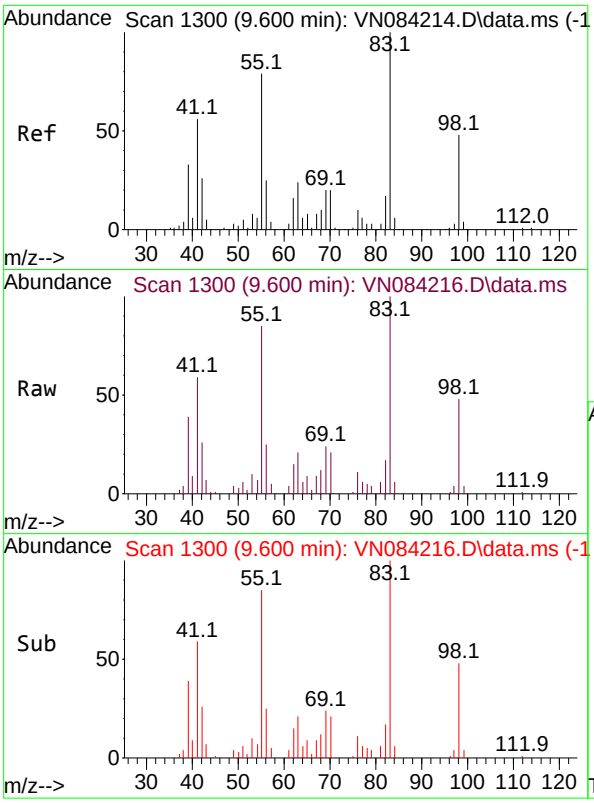


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 30964

Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.7	118.1
121	32.4	24.4	36.6



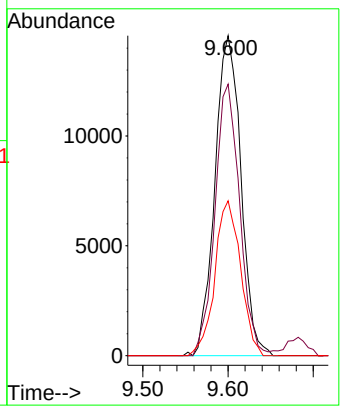


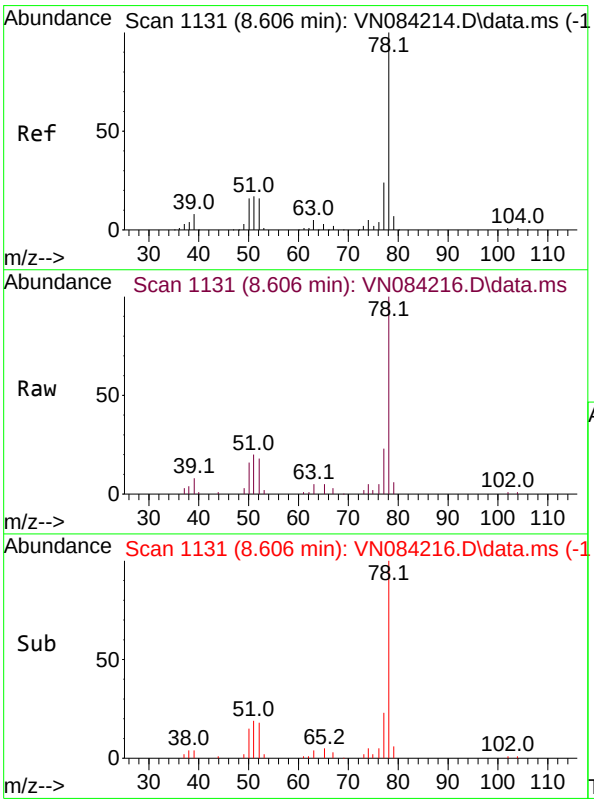
#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30932

Ion	Ratio	Lower	Upper
83	100		
55	84.9	62.8	94.2
98	48.4	38.8	58.2

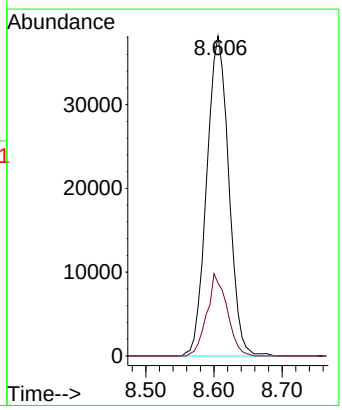


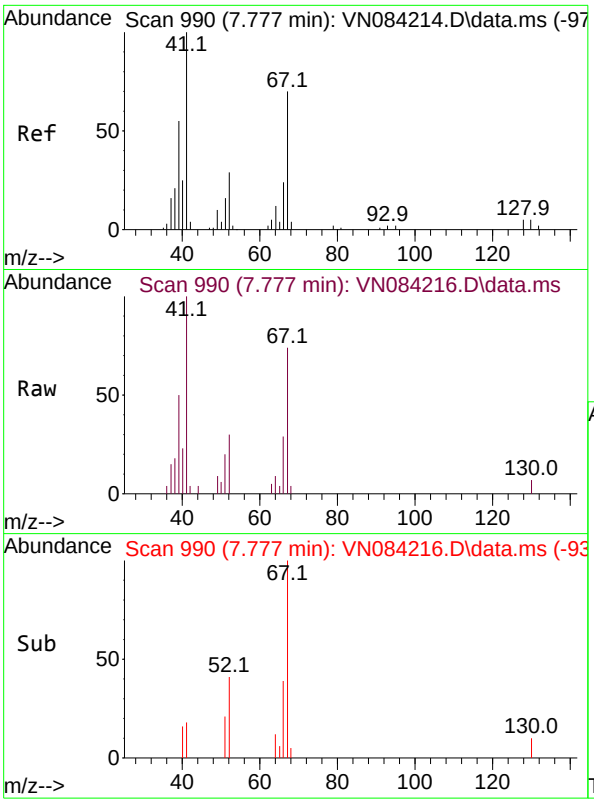


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7



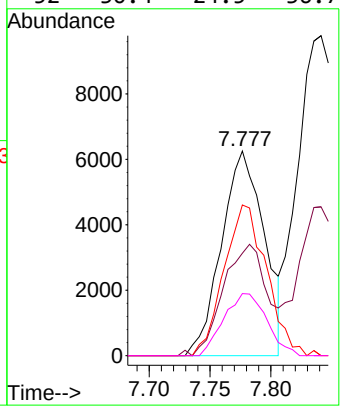


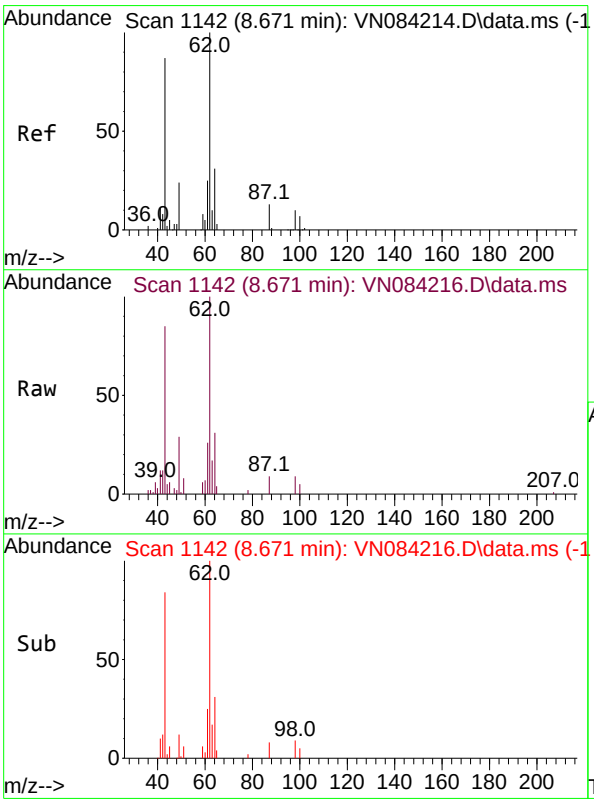
#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 15332

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.0	56.1	84.1
52	30.4	24.5	36.7

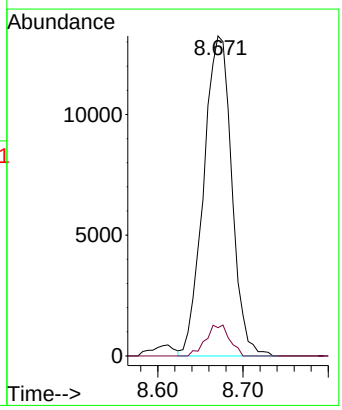


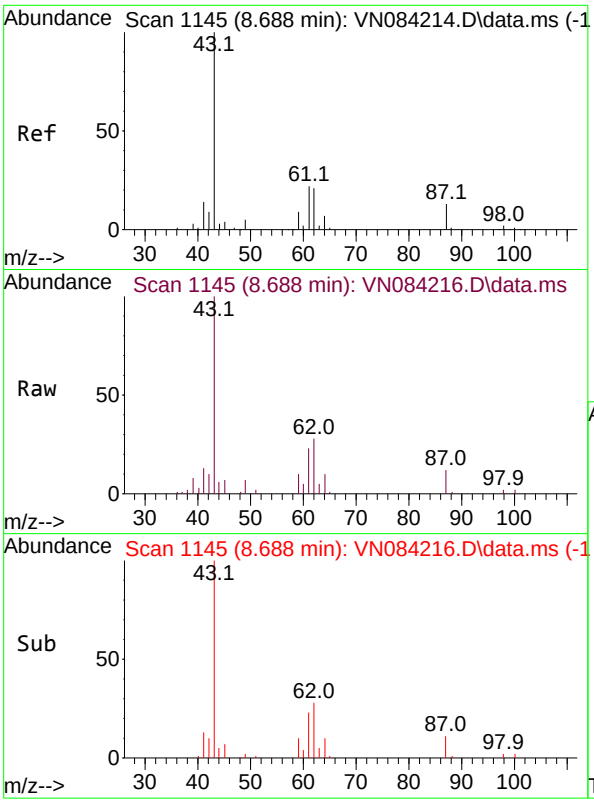


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



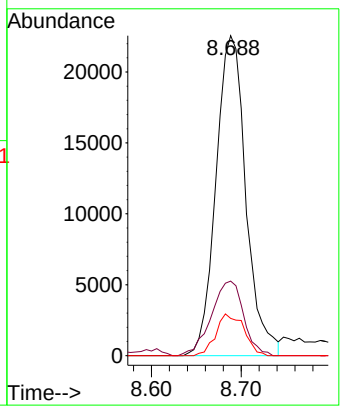


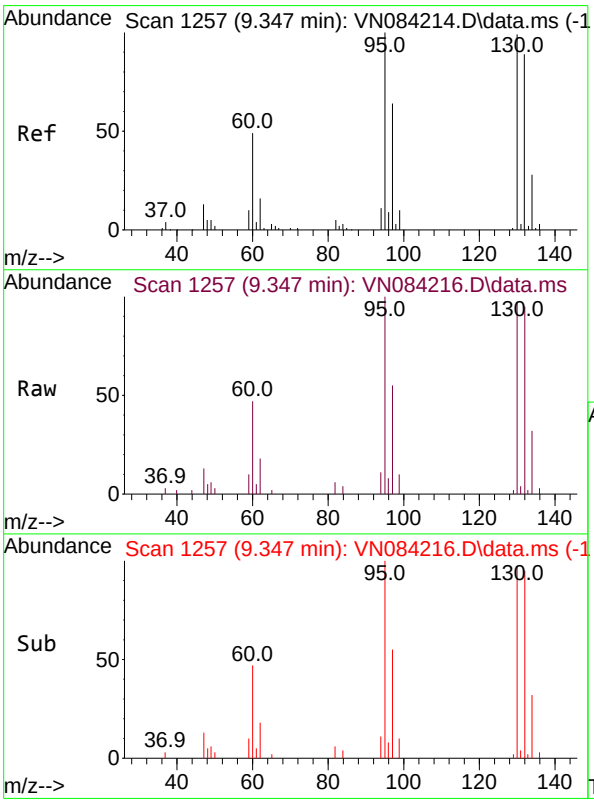
#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 52246

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.4	30.6
87	12.3	10.3	15.5

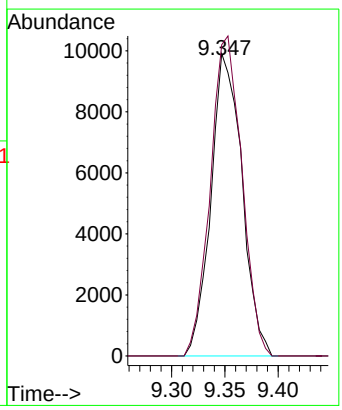


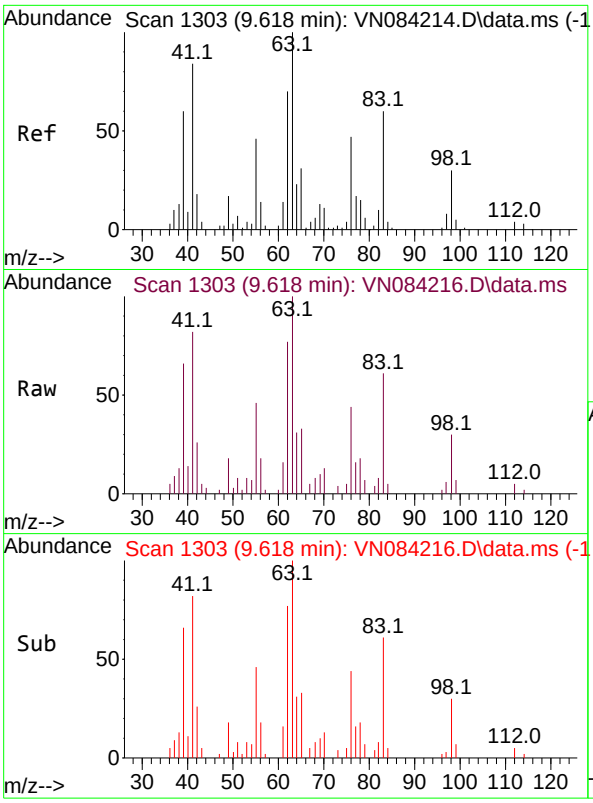


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0



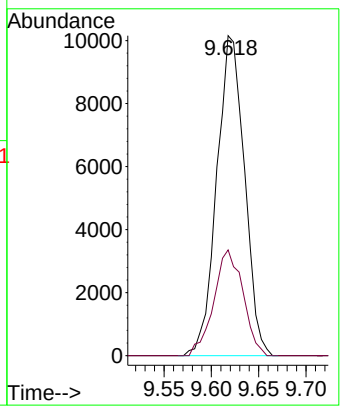


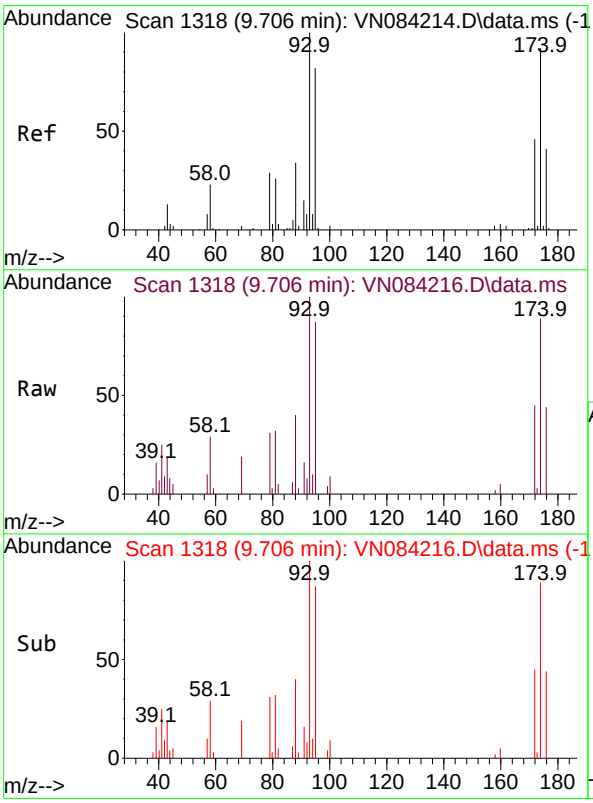
#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 20703

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

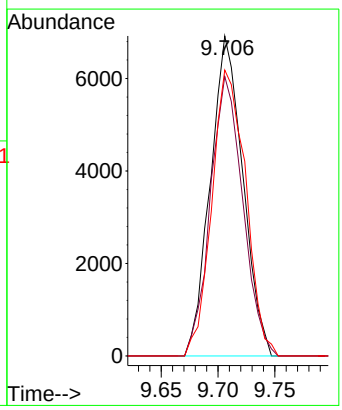


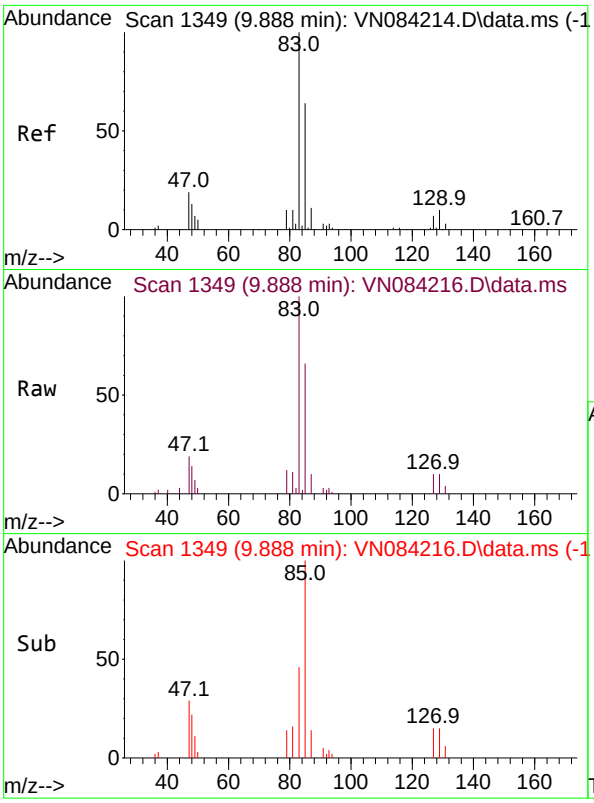


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 93 Resp: 13770

Ion	Ratio	Lower	Upper
93	100		
95	87.2	65.0	97.4
174	92.7	71.8	107.8



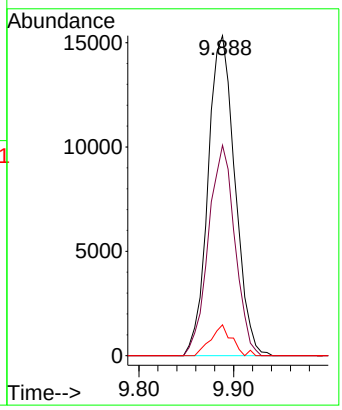


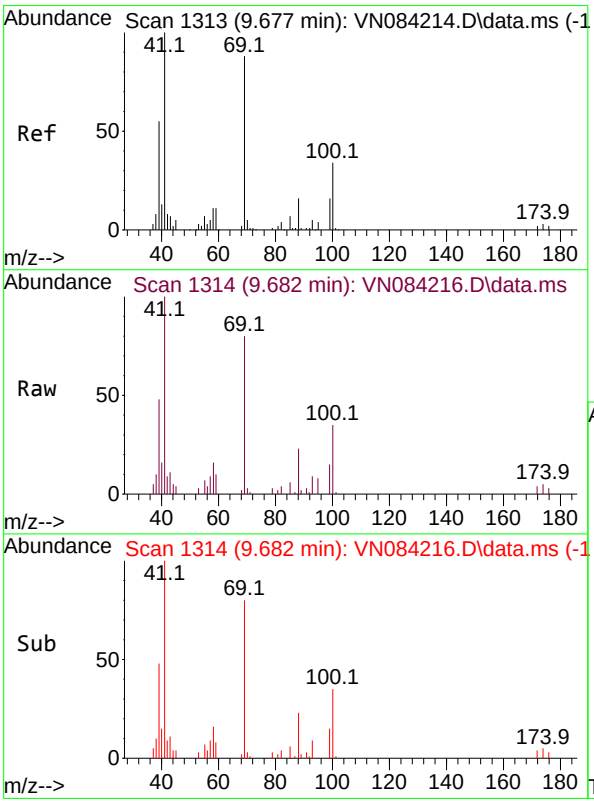
#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30289

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	9.6	5.7	8.5#

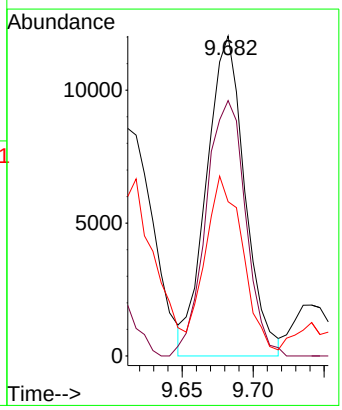


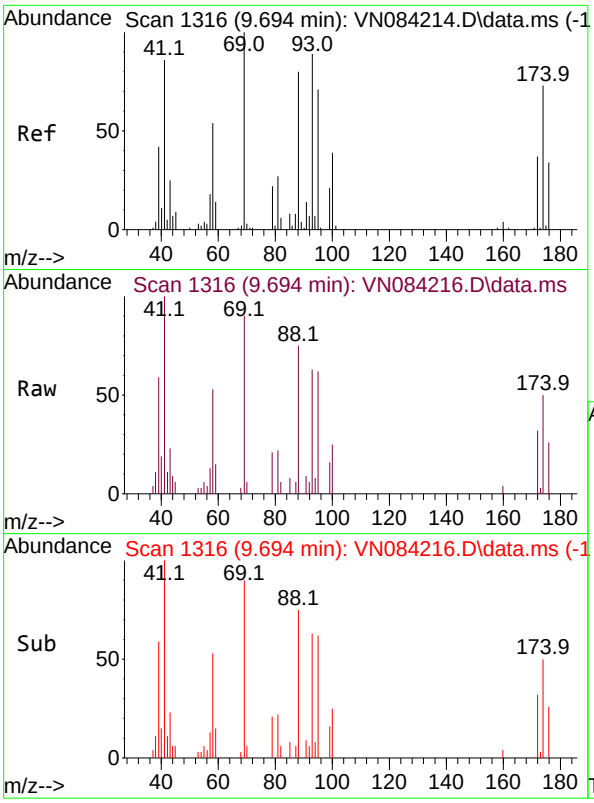


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 22612

Ion	Ratio	Lower	Upper
41	100		
69	82.7	67.1	100.7
39	55.6	45.8	68.6



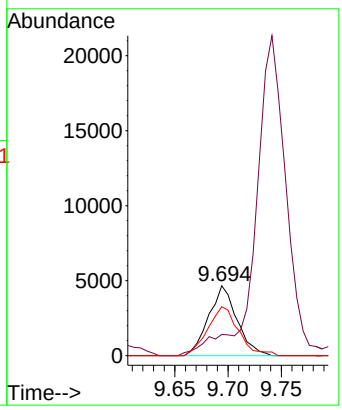


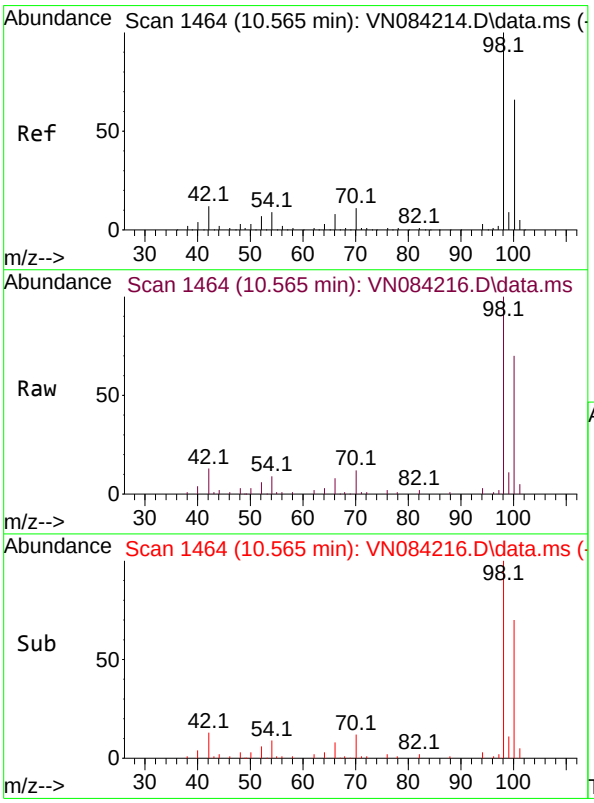
#49
1,4-Dioxane
Concen: 200.587 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 8627

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	76.0	56.4	84.6

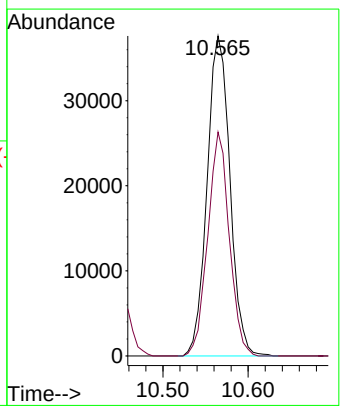


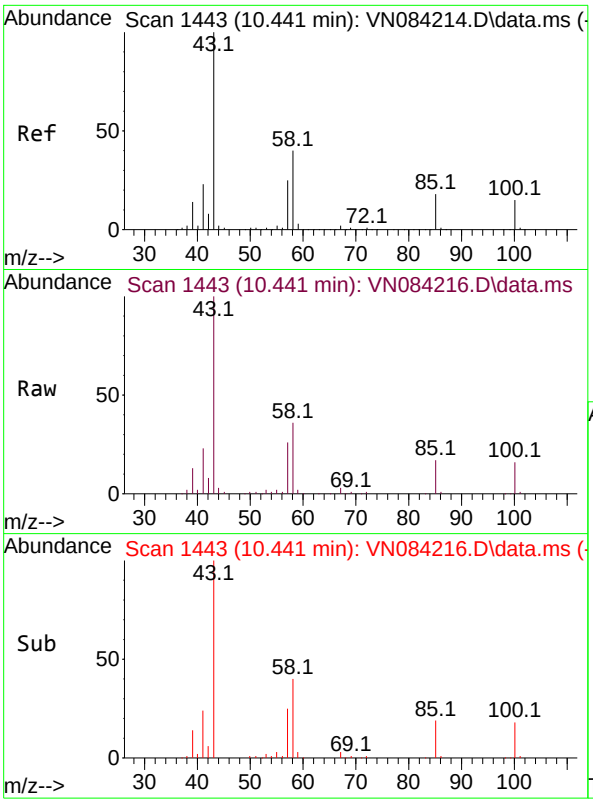


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



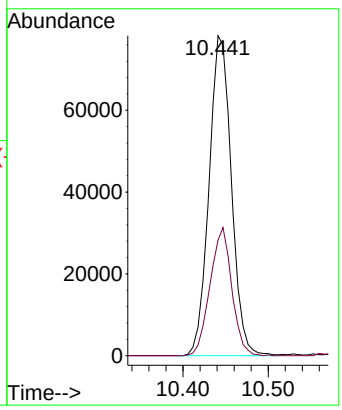


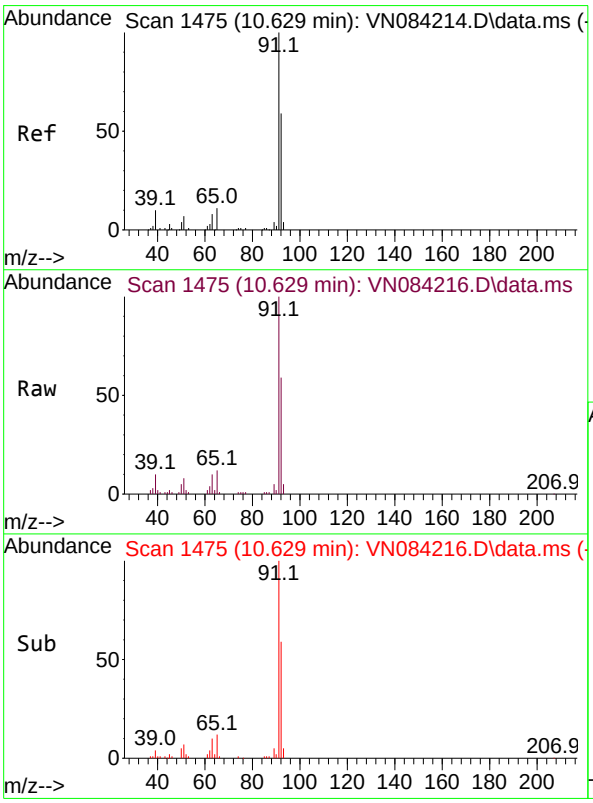
#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 142632

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

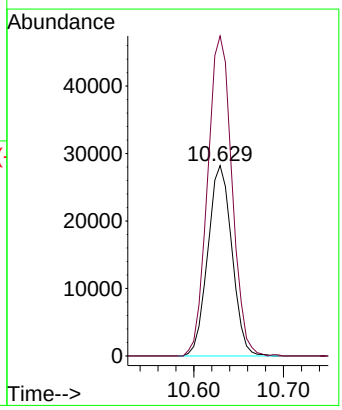


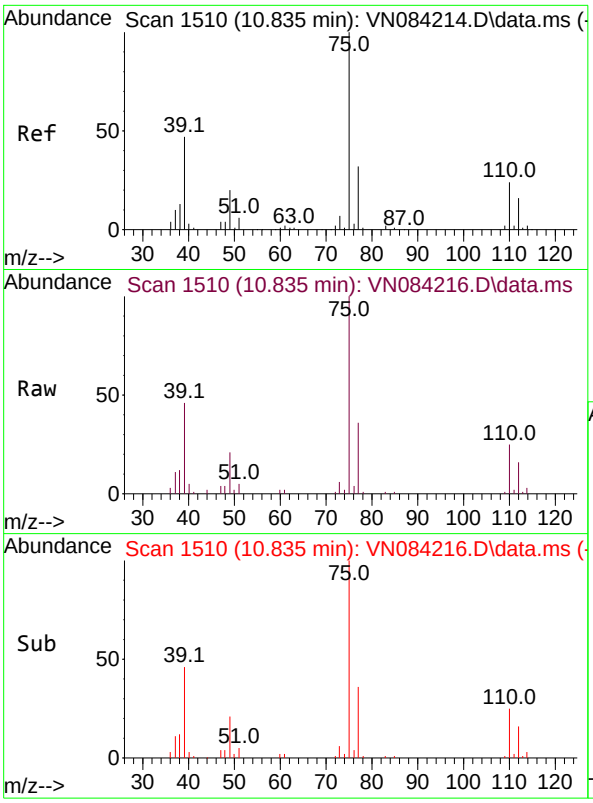


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9



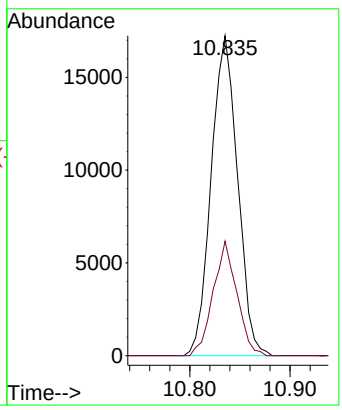


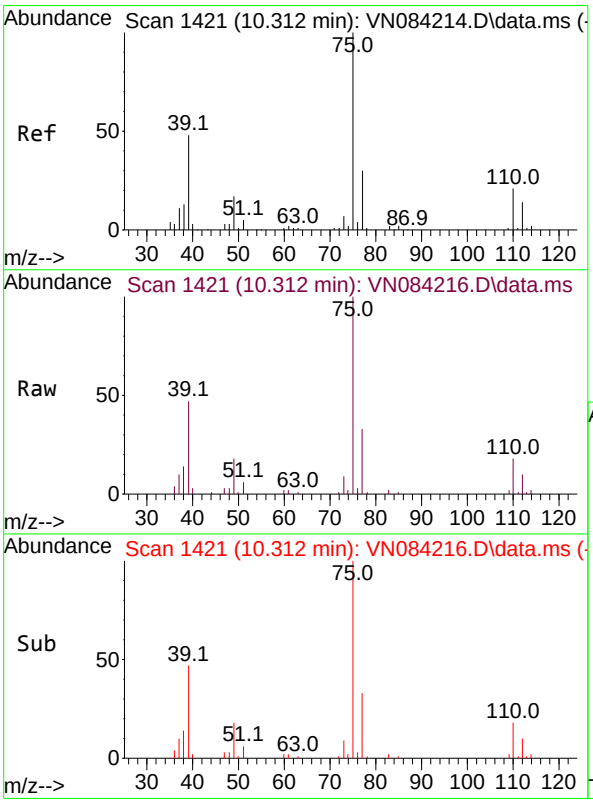
#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 31555

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0

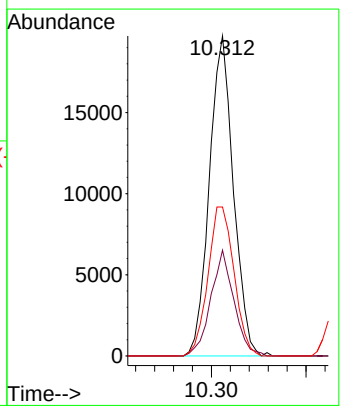


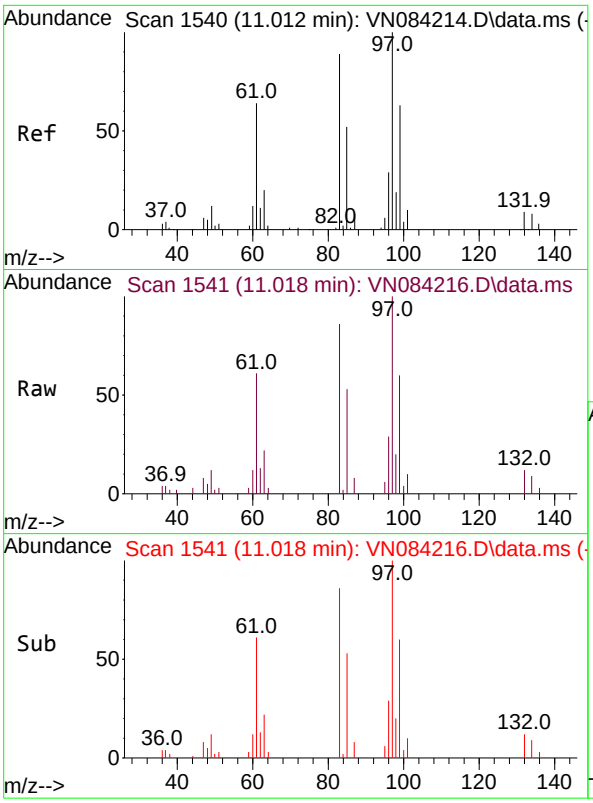


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 34684

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	46.6	38.7	58.1



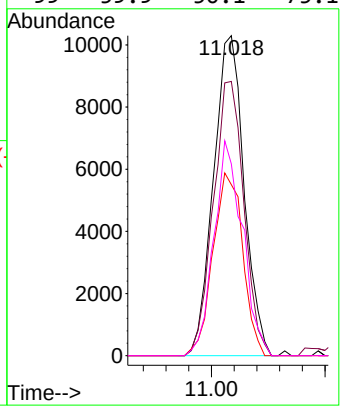


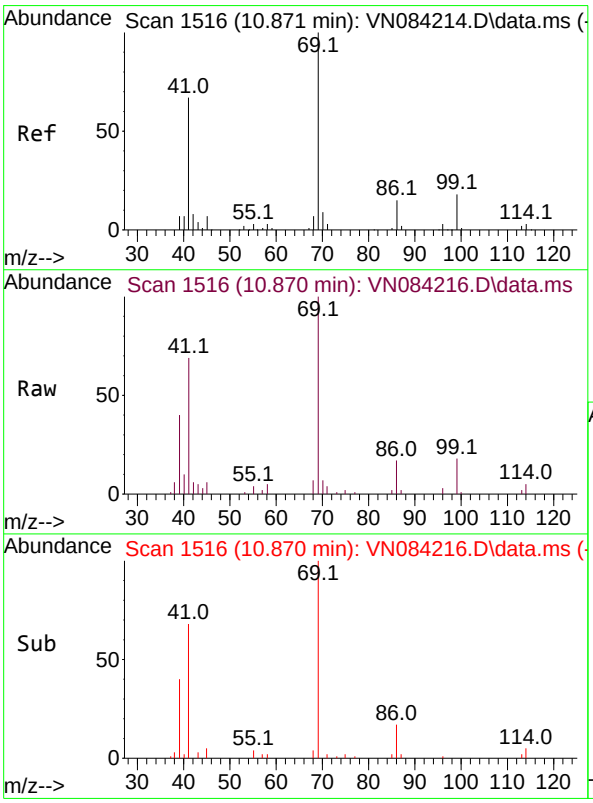
#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 19245

Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.0	106.4
85	53.5	41.7	62.5
99	59.9	50.1	75.1

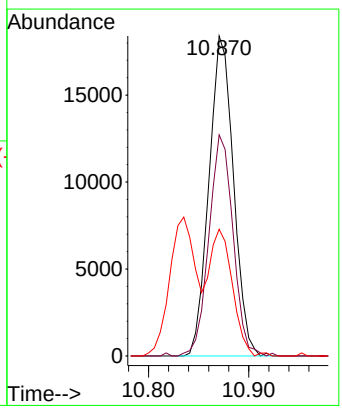


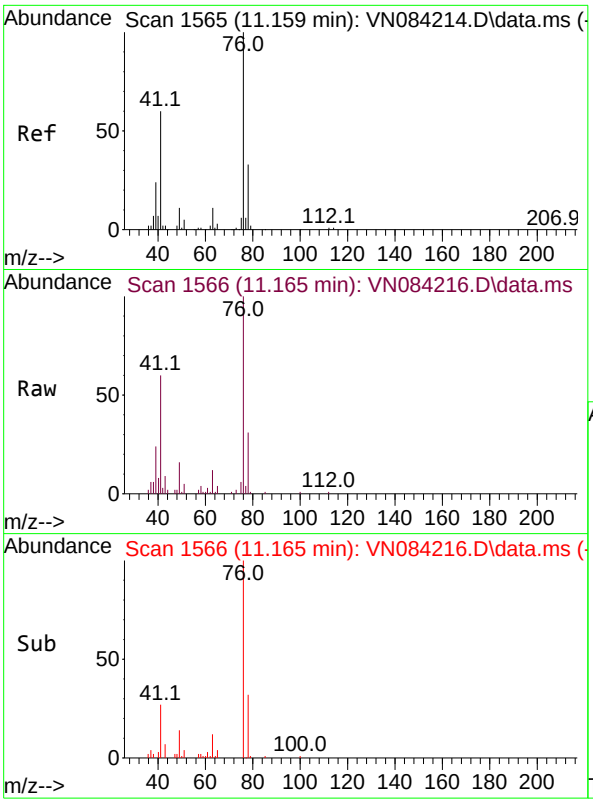


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 69 Resp: 31262

Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.3	79.9
39	38.1	28.8	43.2



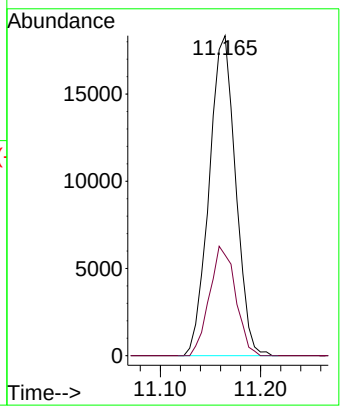


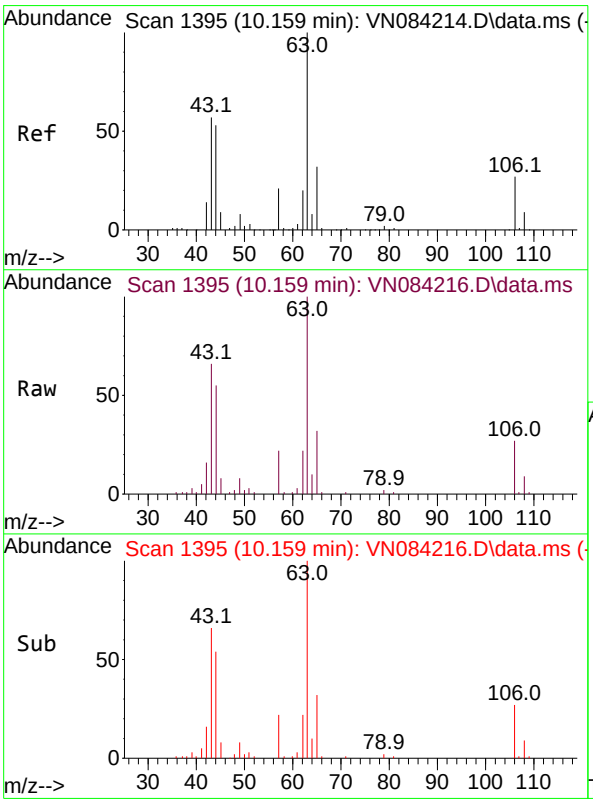
#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 33613

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6

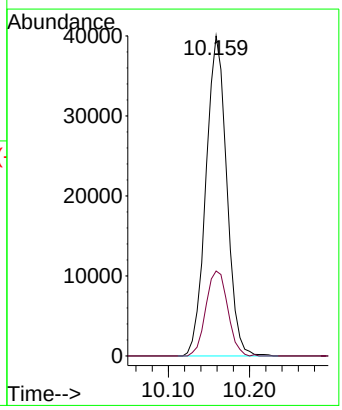


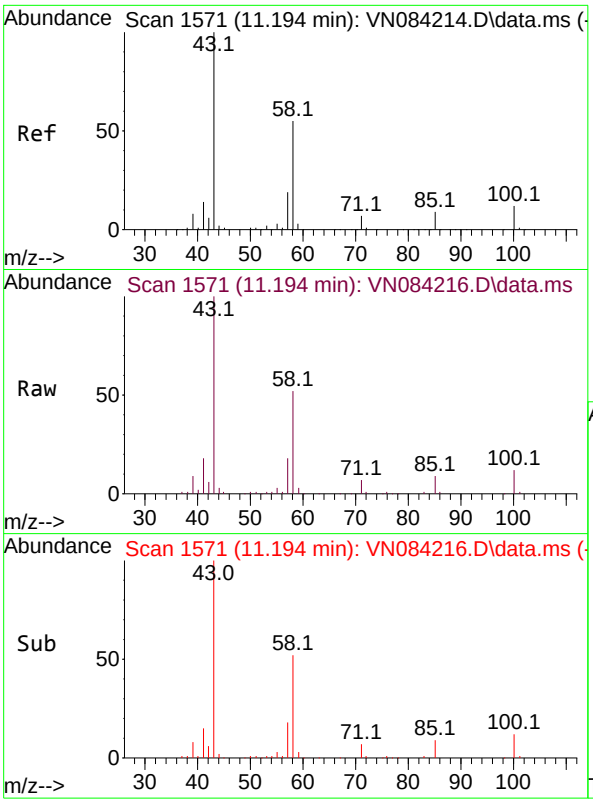


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6



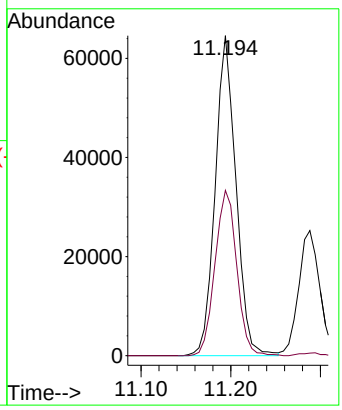


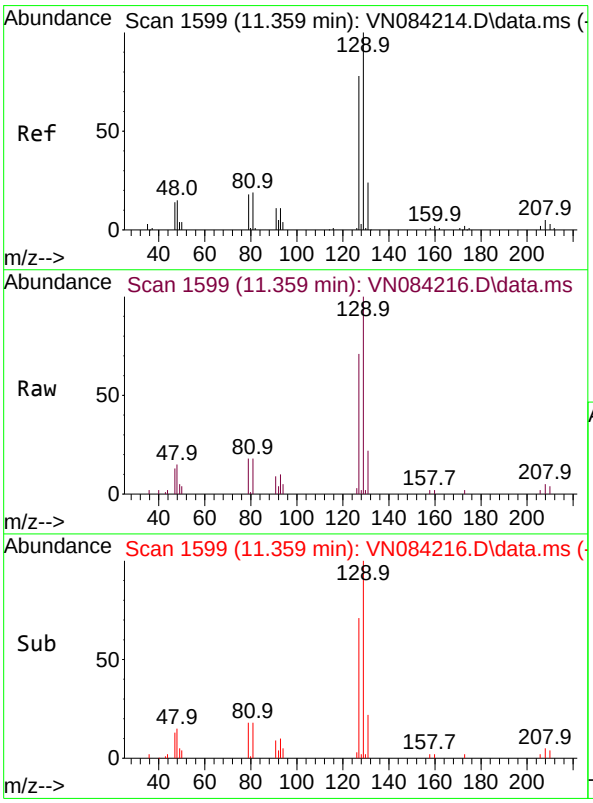
#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 103615

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8

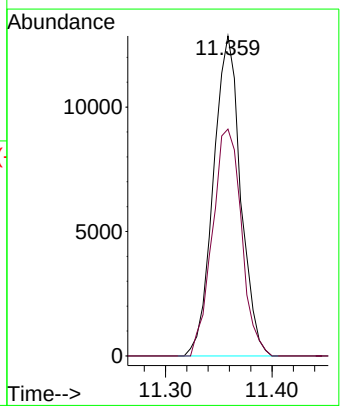


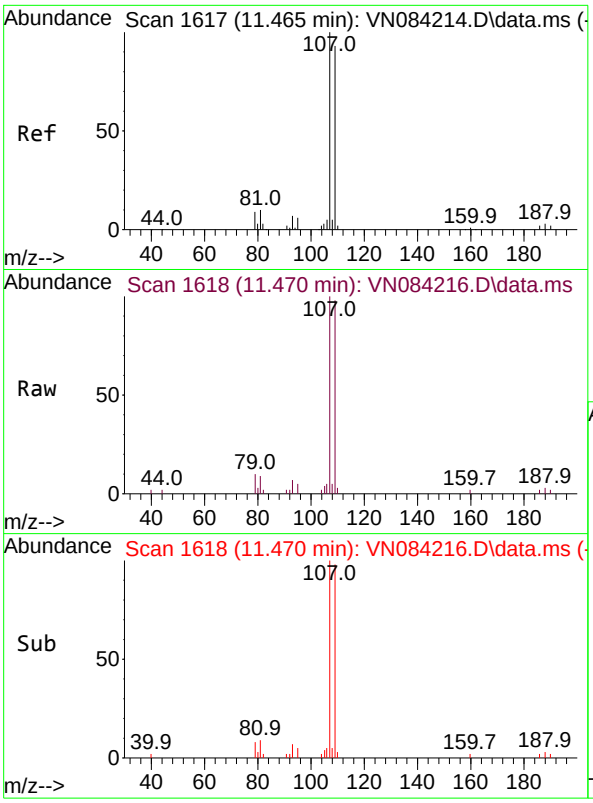


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9



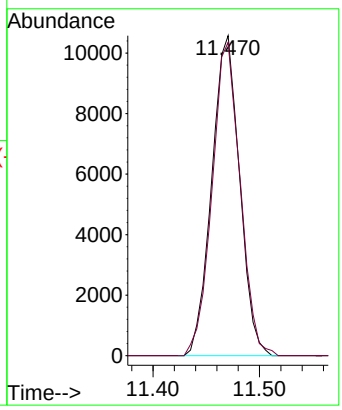


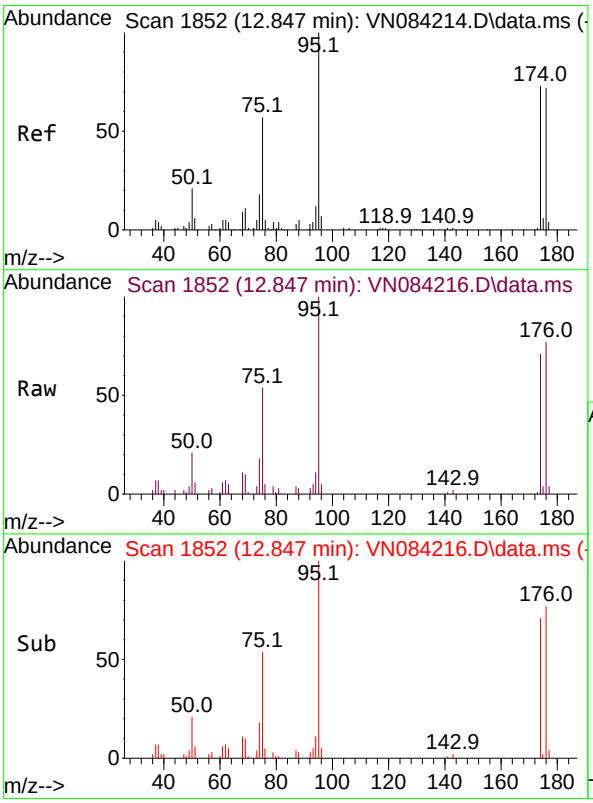
#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 19220

Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0

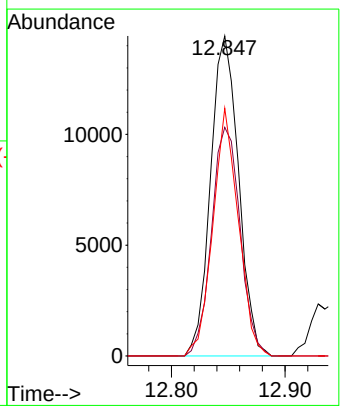


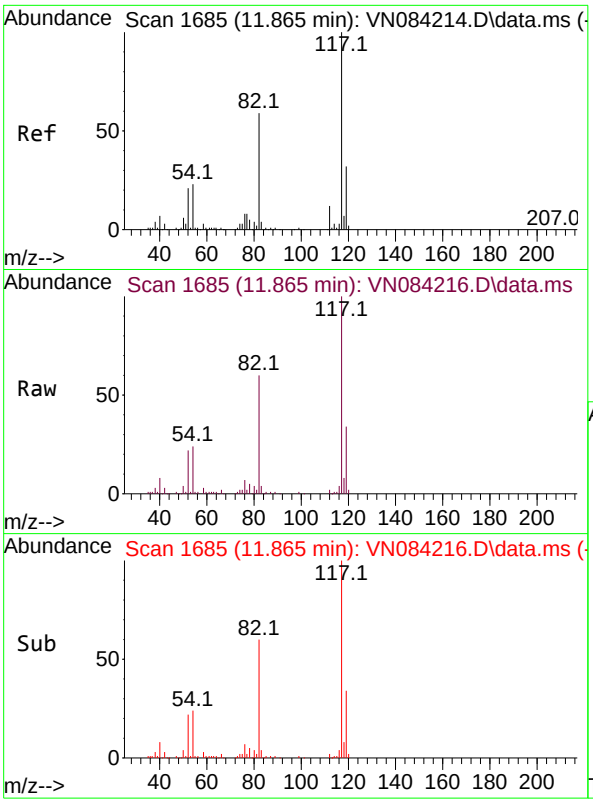


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 95 Resp: 24756

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.2
176	70.5	0.0	140.0



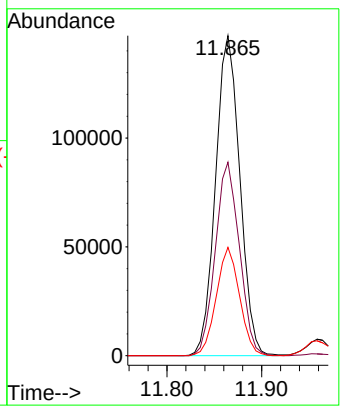


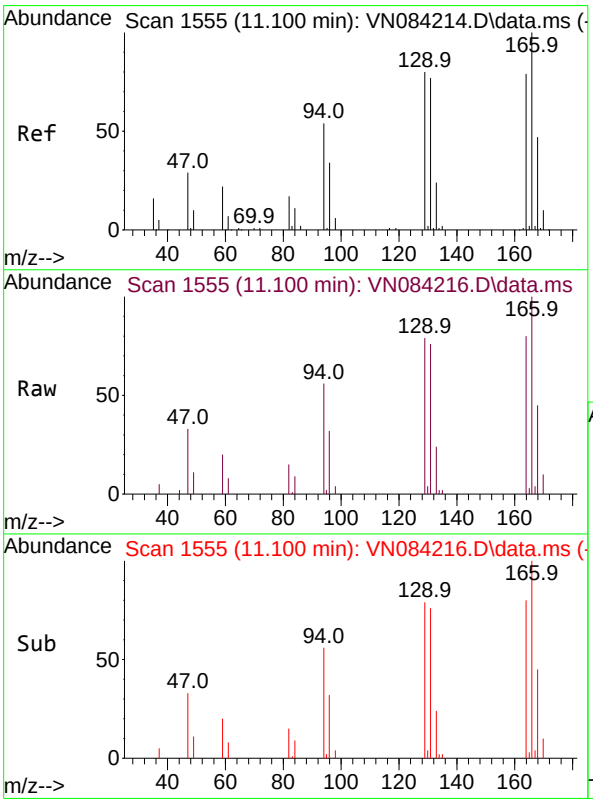
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 262325

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	33.9	25.4	38.0

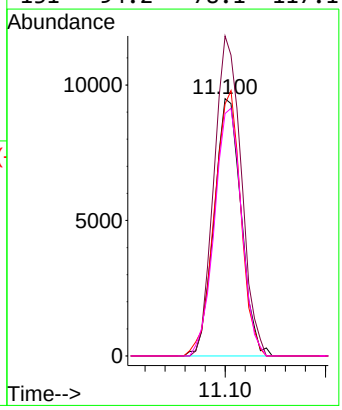


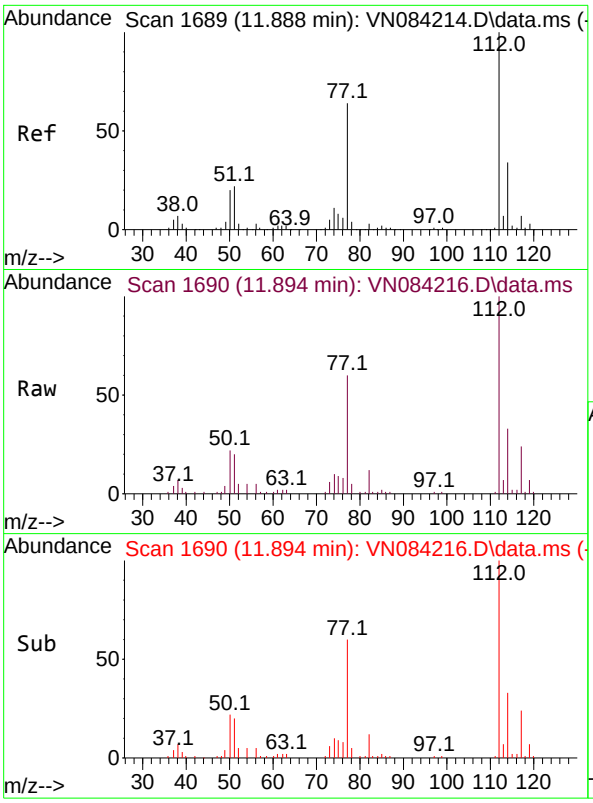


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:164 Resp: 17743

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.0	151.4
129	98.0	80.8	121.2
131	94.2	78.1	117.1



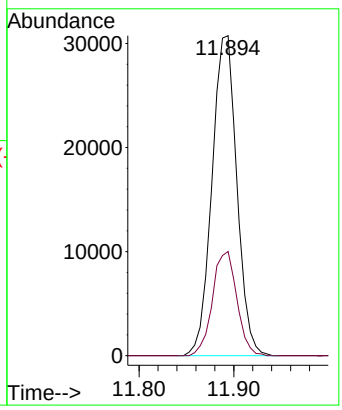


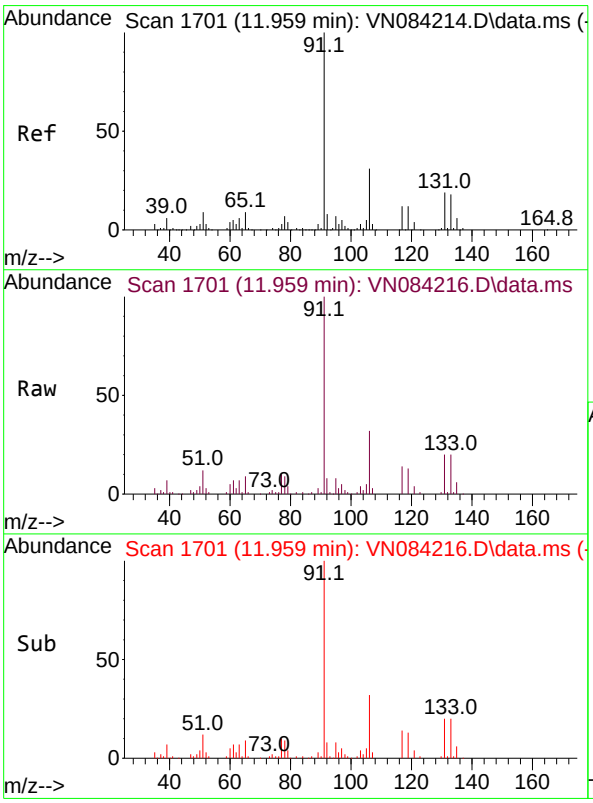
#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 56099

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6

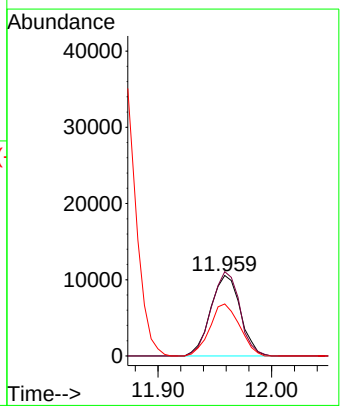


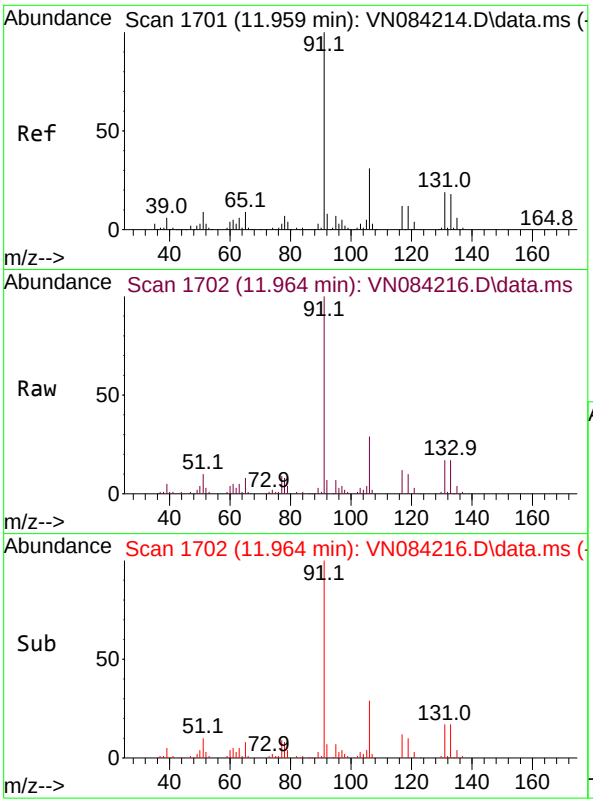


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:131 Resp: 19227

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.9	143.7
119	64.6	32.8	98.3



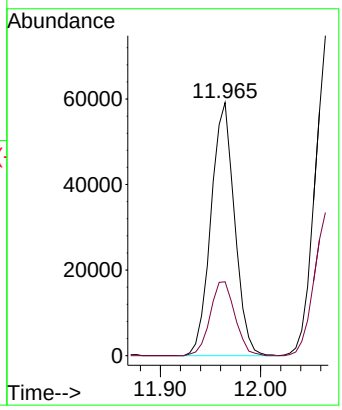


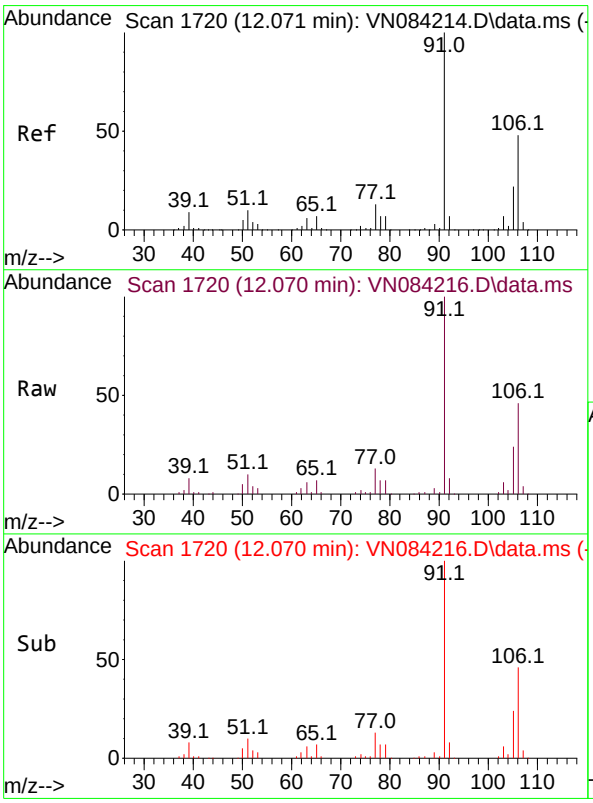
#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 96533

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7

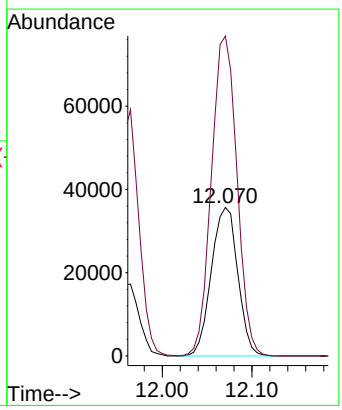


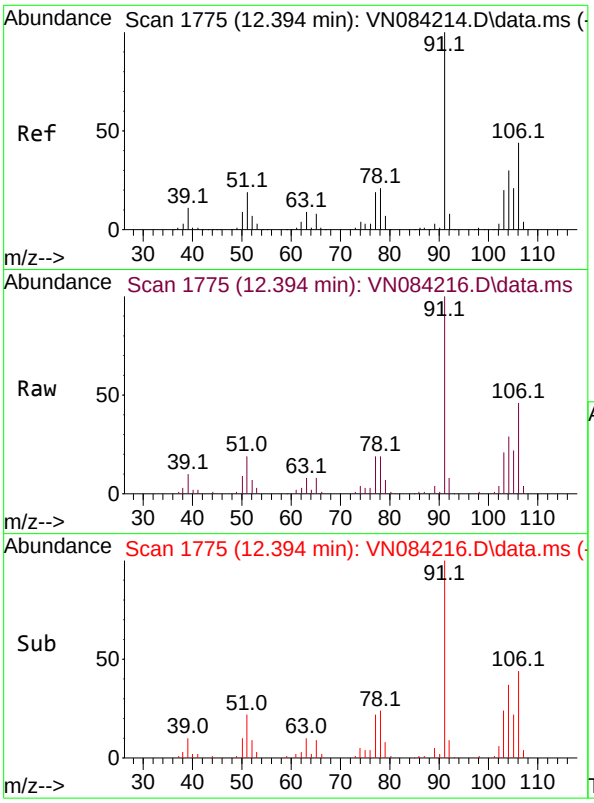


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7



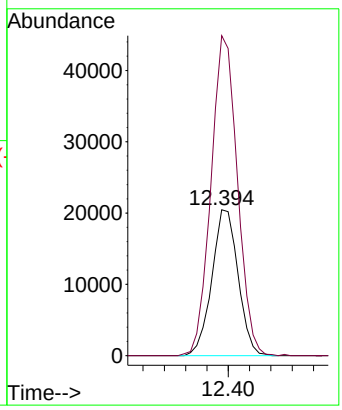


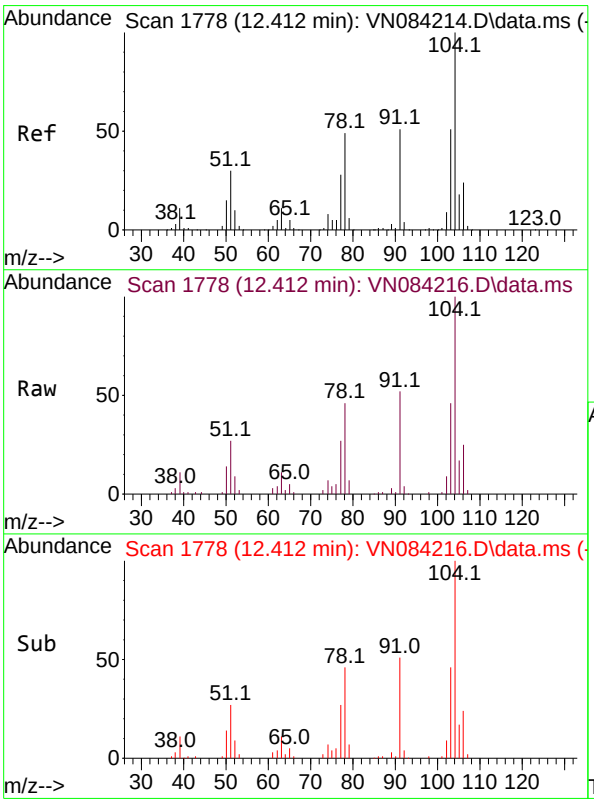
#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 34965

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

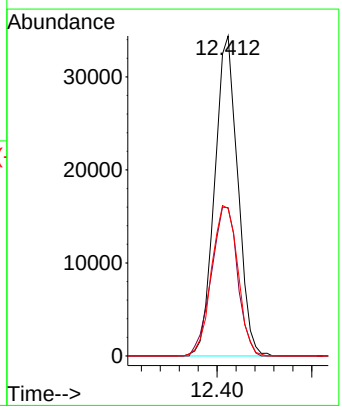


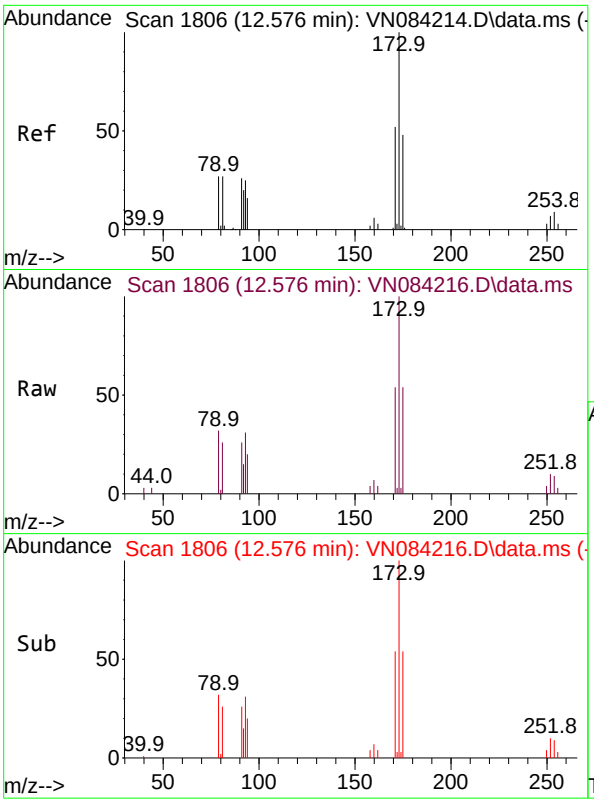


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:104 Resp: 58367

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	53.4	43.6	65.4



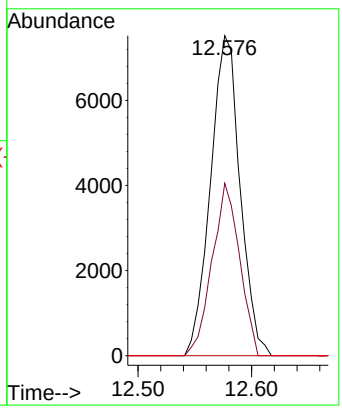


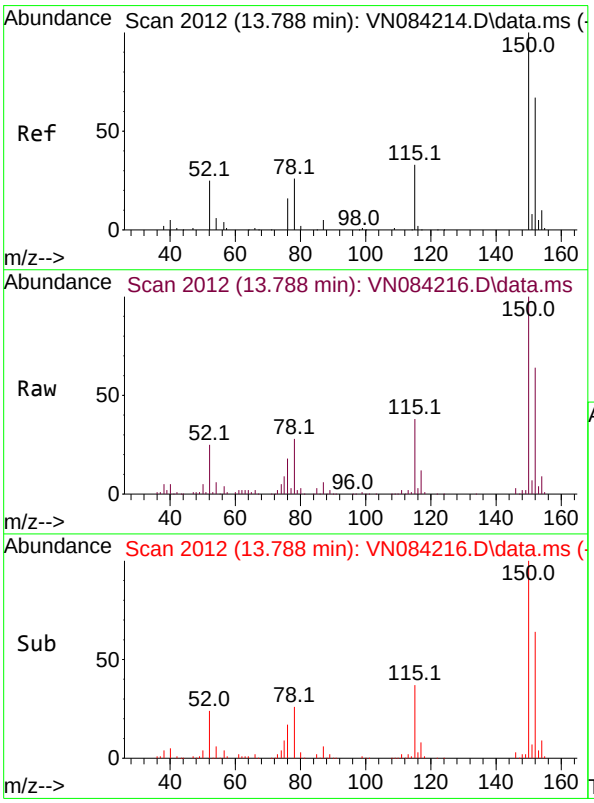
#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 13618

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.5	70.6
254	0.0	0.0	0.0

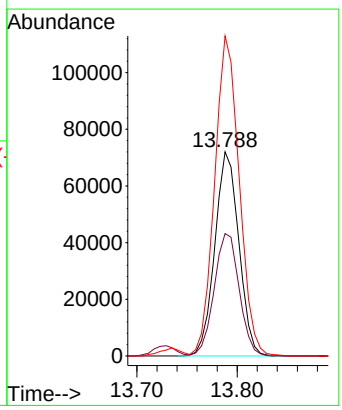


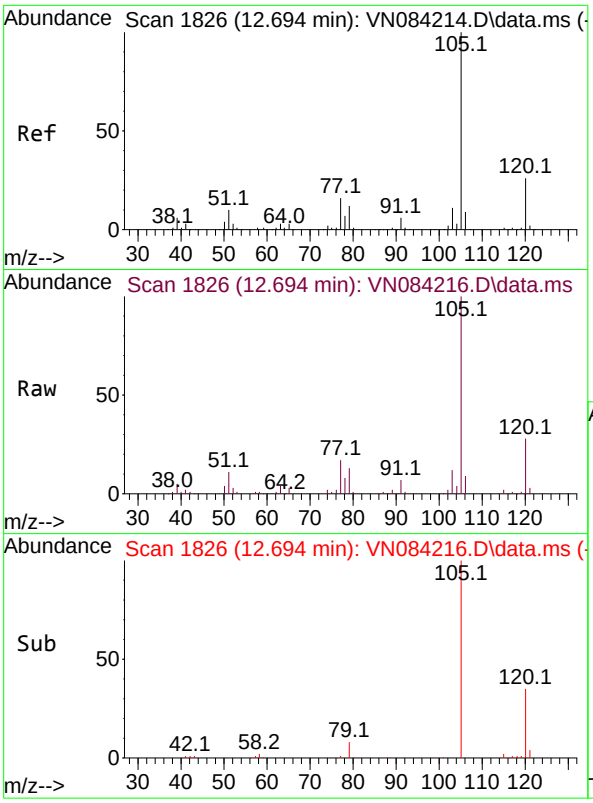


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:152 Resp: 119657

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	160.7	0.0	349.8



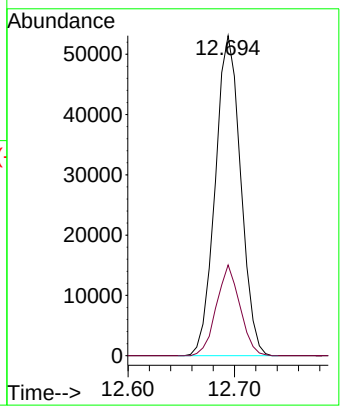


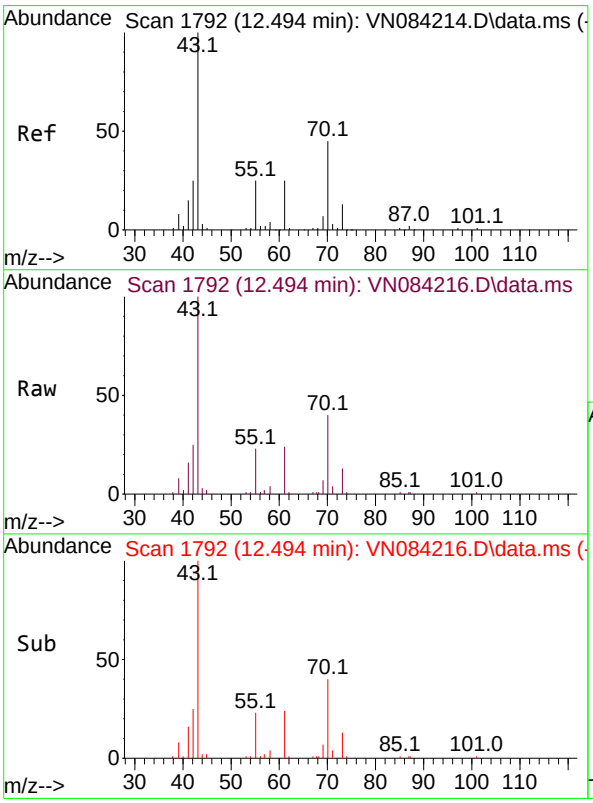
#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88000

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

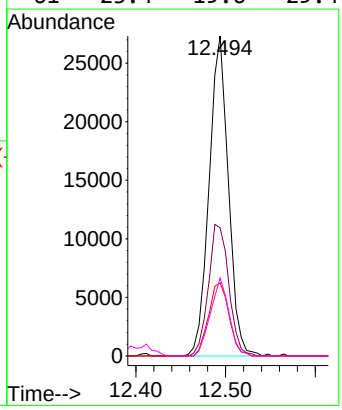


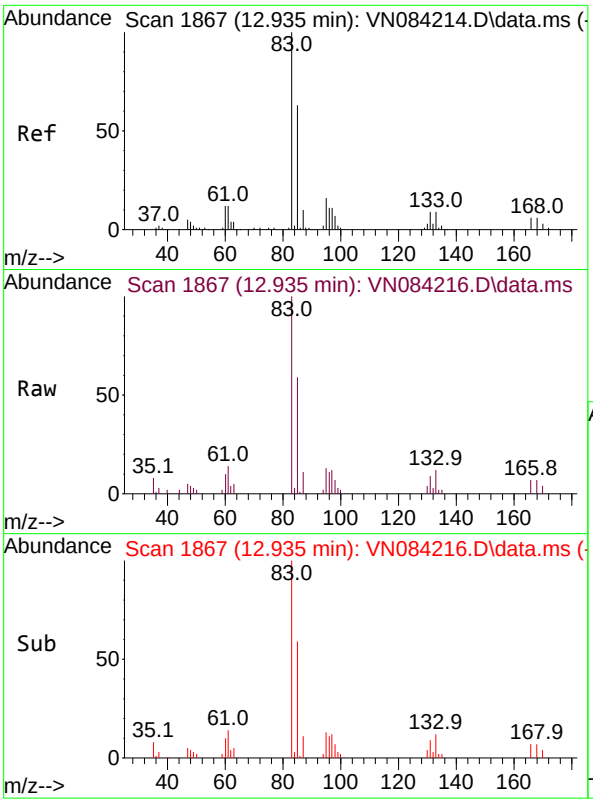


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 40801

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	24.2	19.6	29.4
61	23.4	19.6	29.4



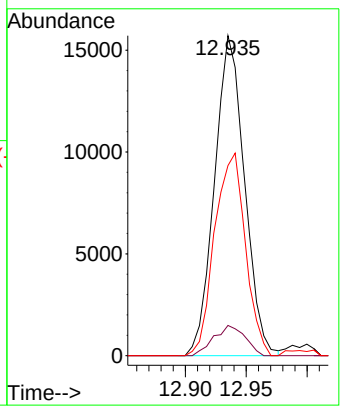


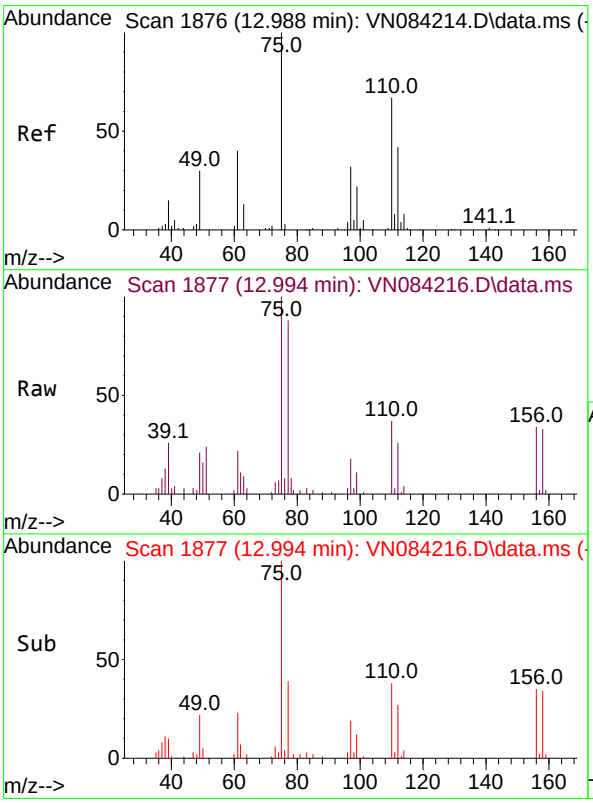
#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 26966

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	31.9	95.7

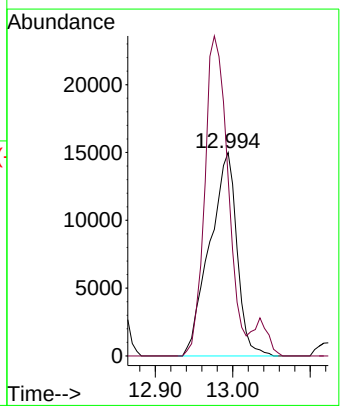


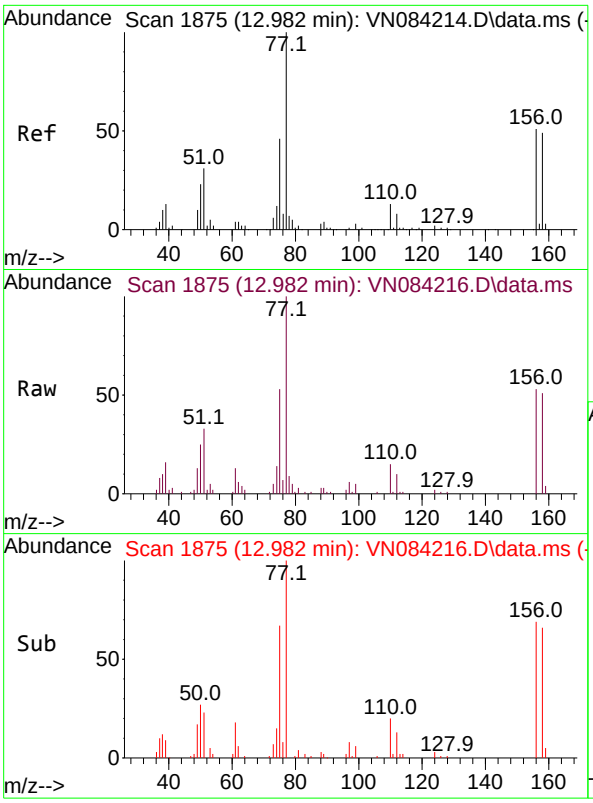


#76
1,2,3-Trichloropropane
Concen: 15.426 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 36789

Ion	Ratio	Lower	Upper
75	100		
77	133.4	96.9	290.7



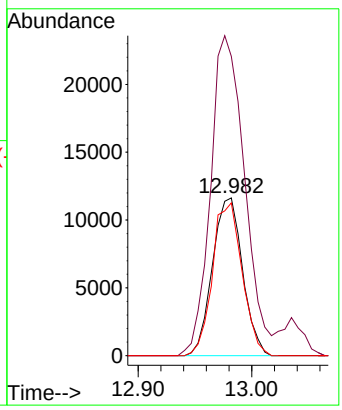


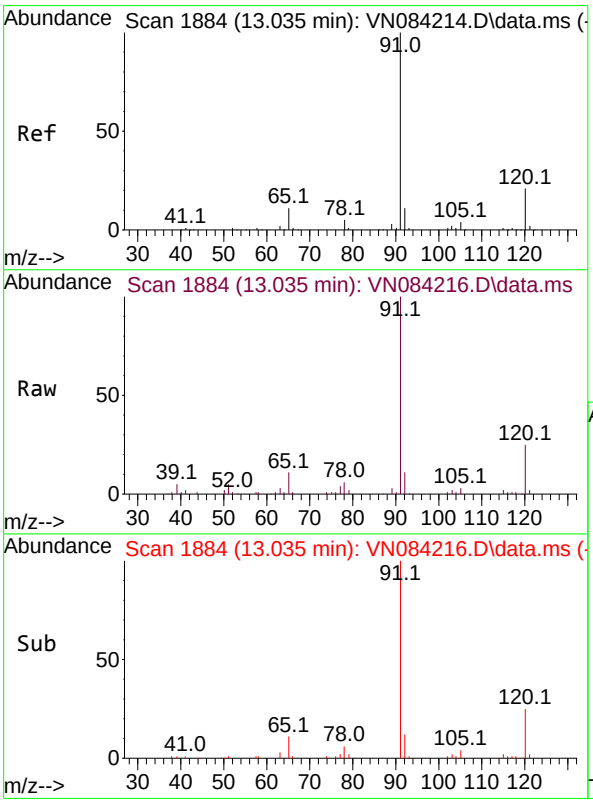
#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 21439

Ion	Ratio	Lower	Upper
156	100		
77	229.0	115.1	345.3
158	95.3	48.9	146.8

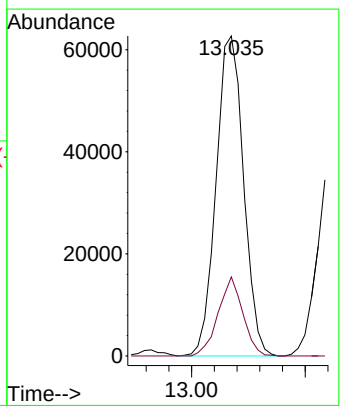


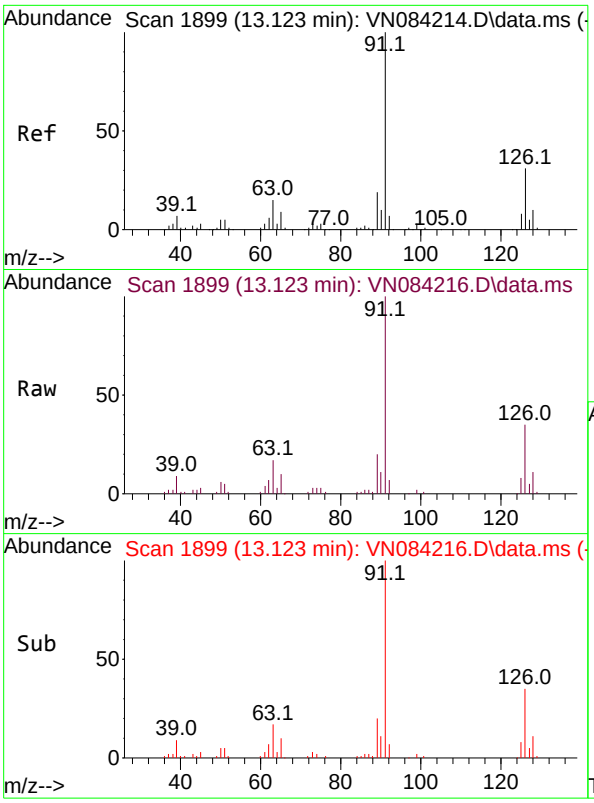


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 105334

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



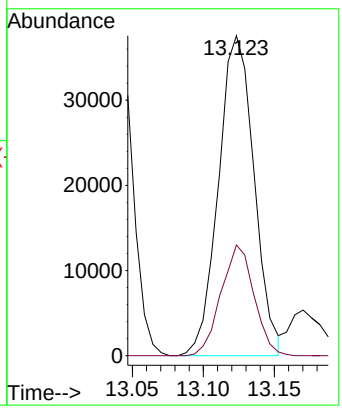


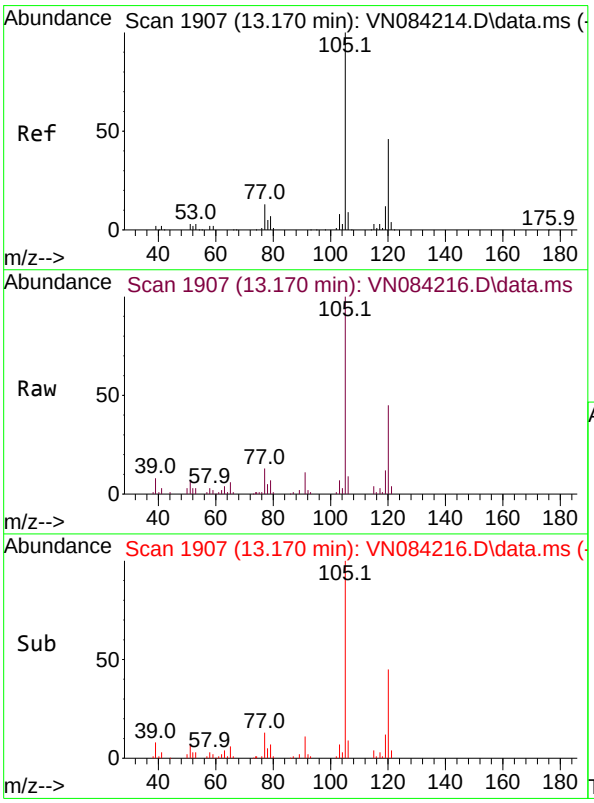
#79
2-Chlorotoluene
Concen: 9.704 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 65511

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

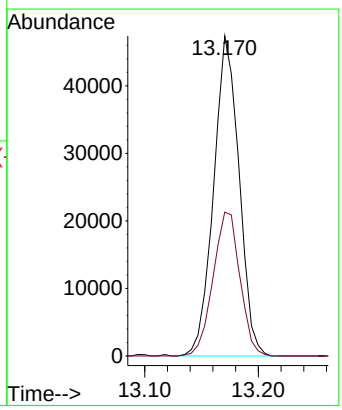


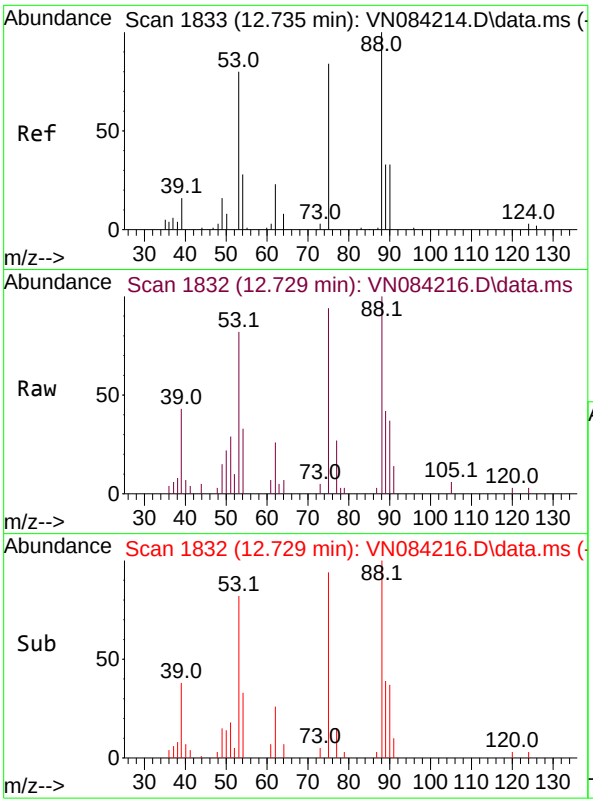


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



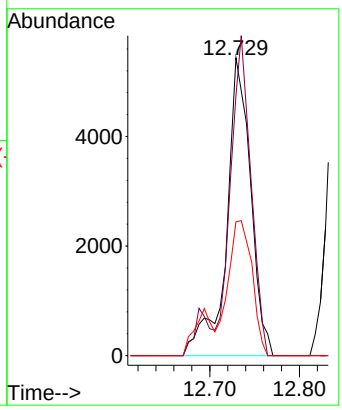


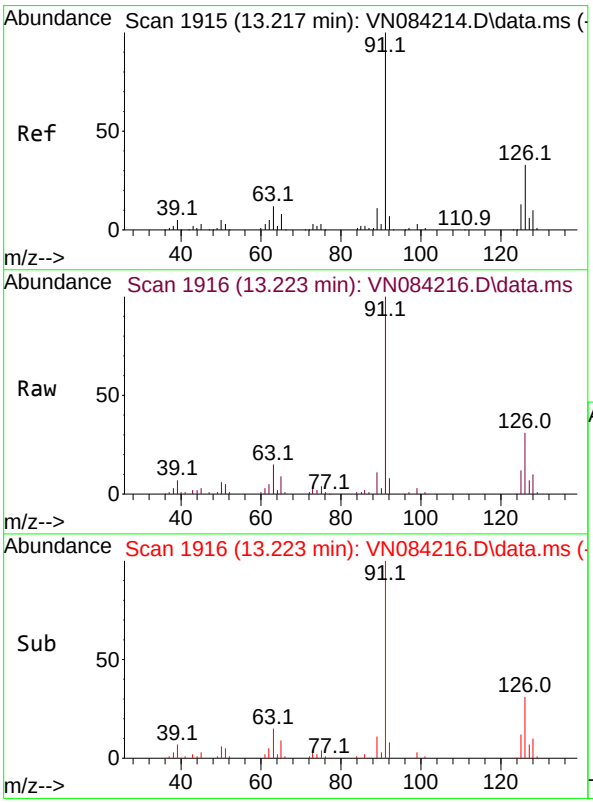
#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 10237

Ion	Ratio	Lower	Upper
75	100		
53	89.4	78.0	117.0
89	44.7	35.5	53.3

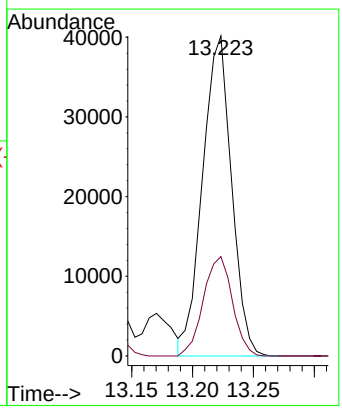


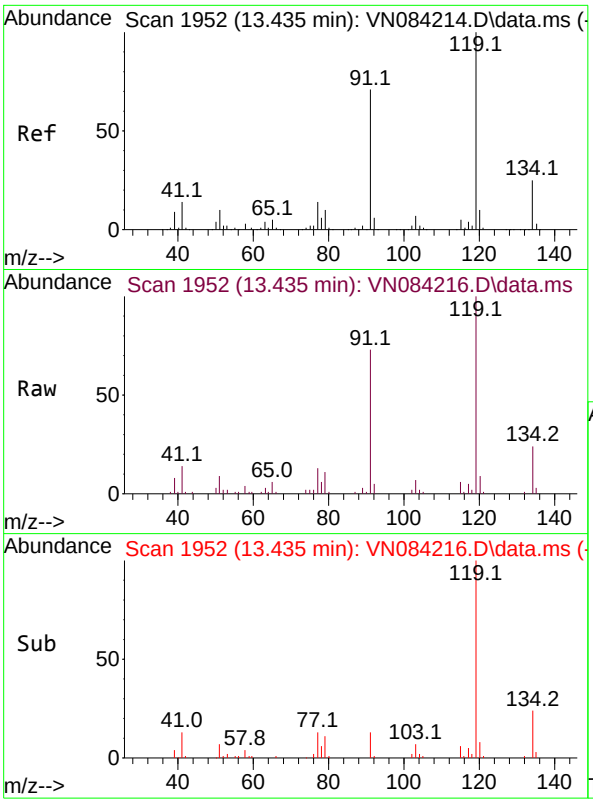


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



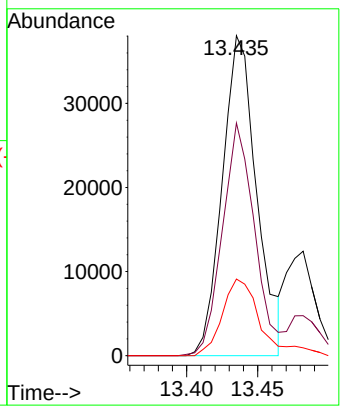


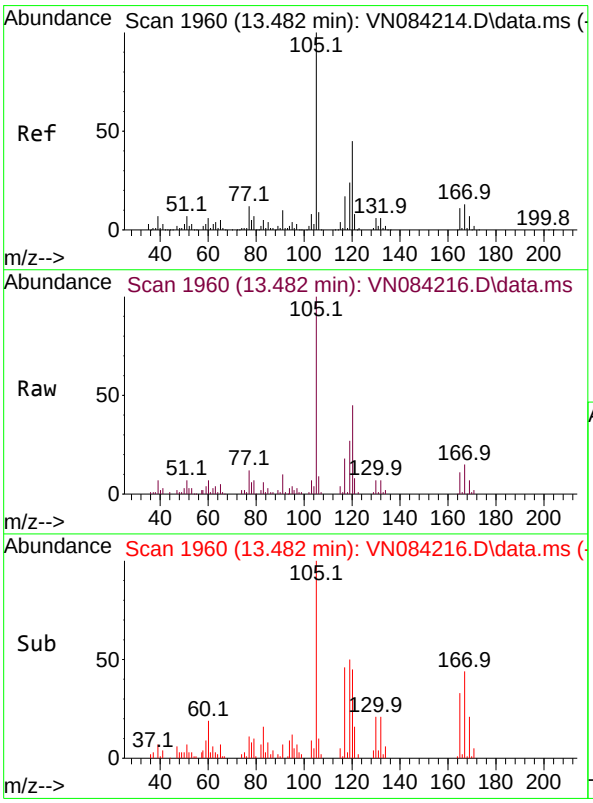
#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 64152

Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	26.6	12.8	38.4

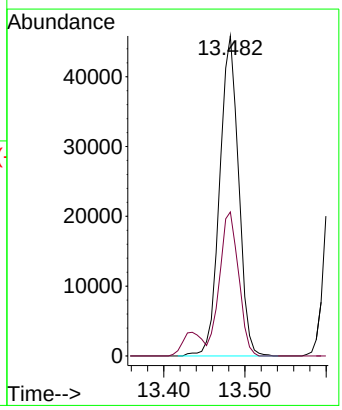


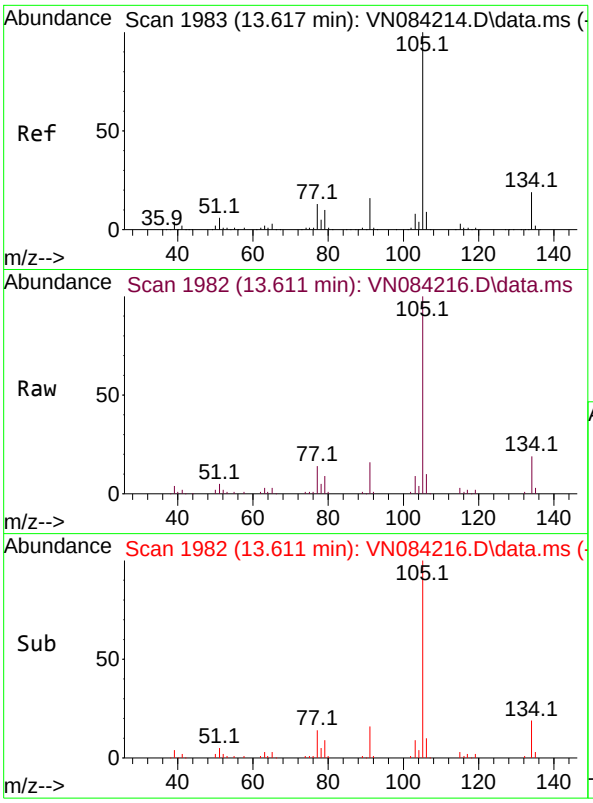


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8



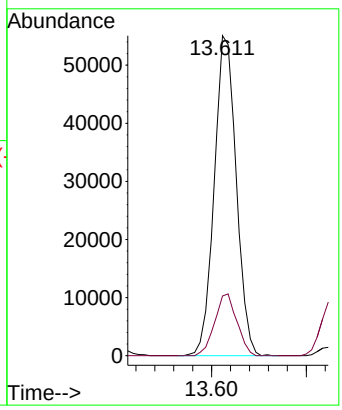


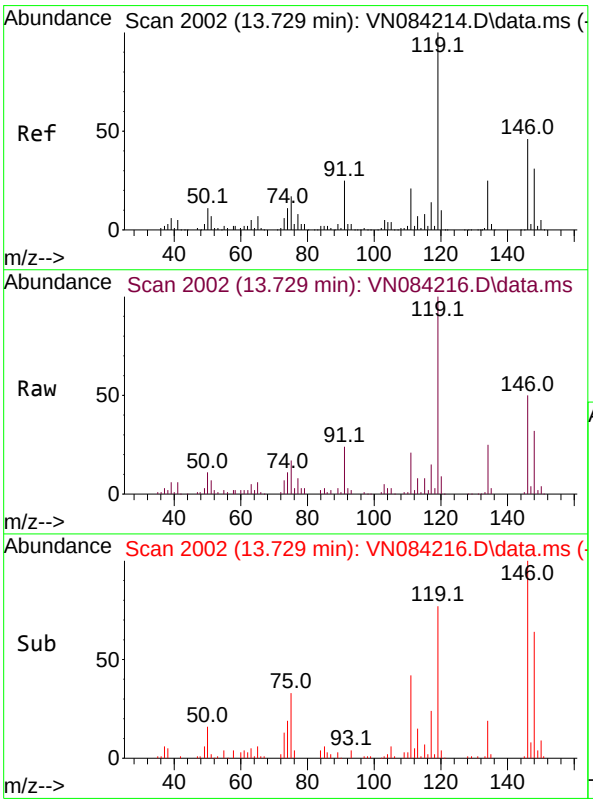
#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88913

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

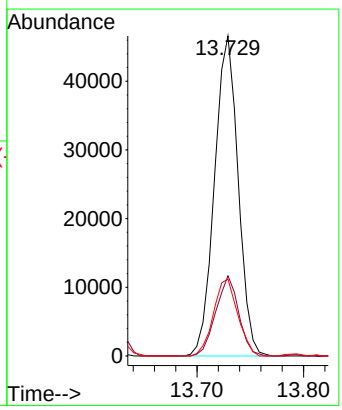


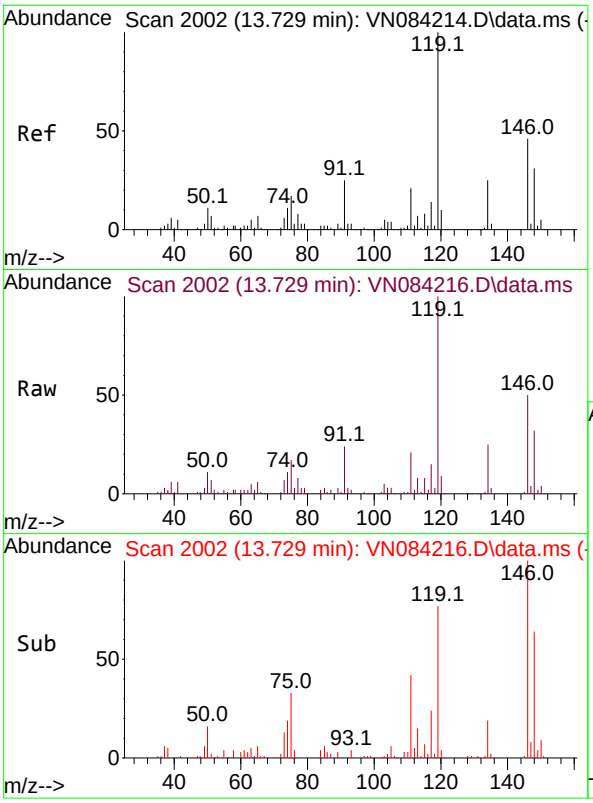


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 71675

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	24.7	12.4	37.2



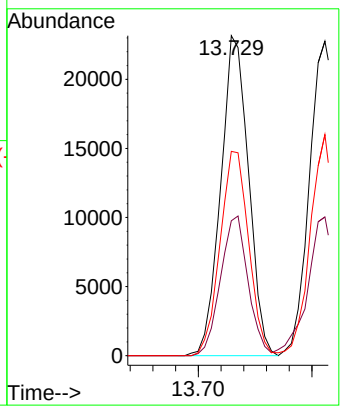


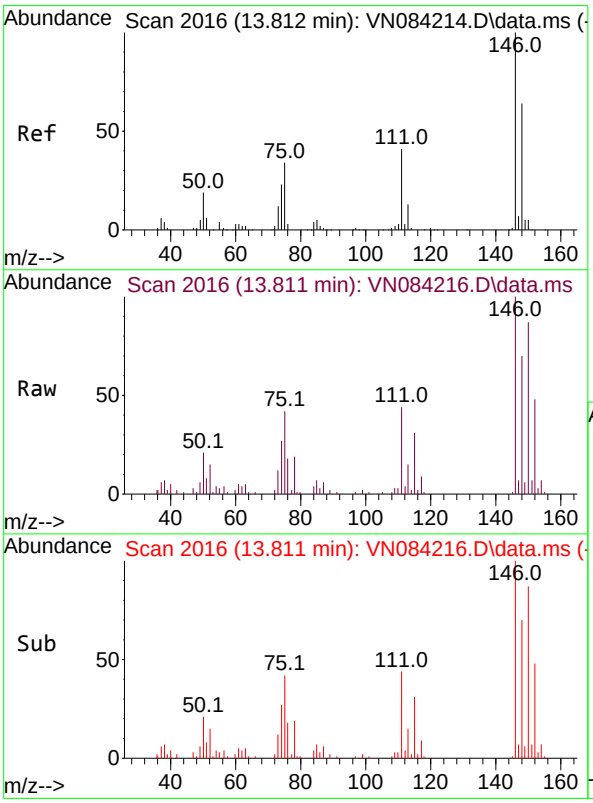
#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 39402

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.7	31.9	95.7

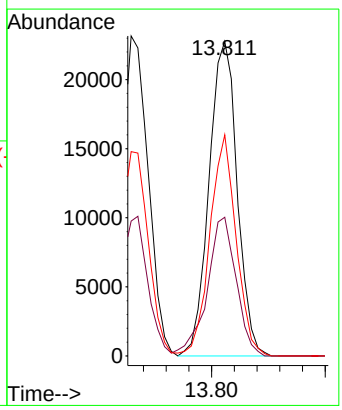


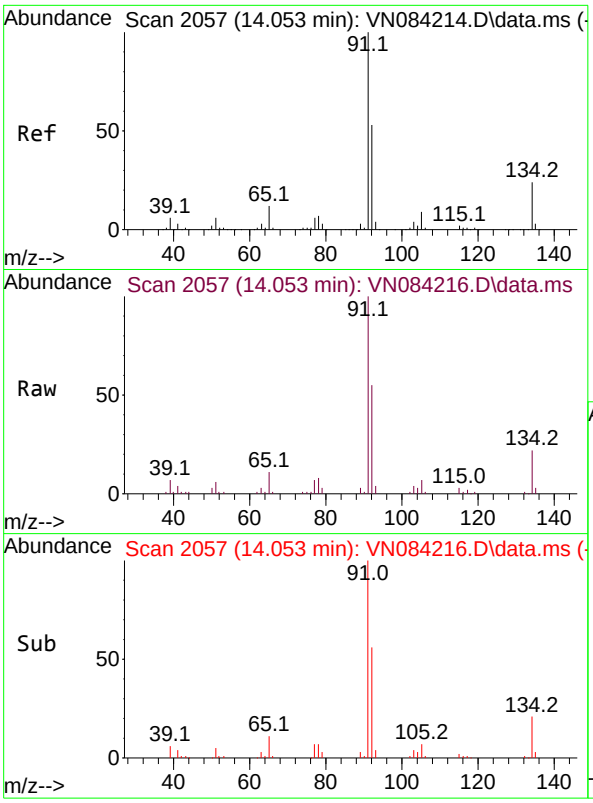


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39191

Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.2	63.6
148	65.5	31.9	95.9



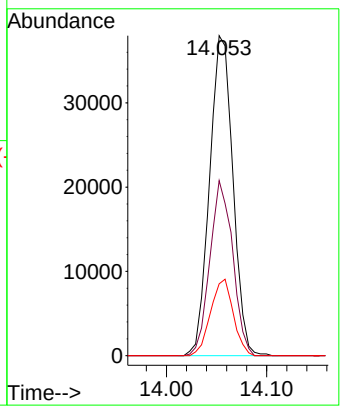


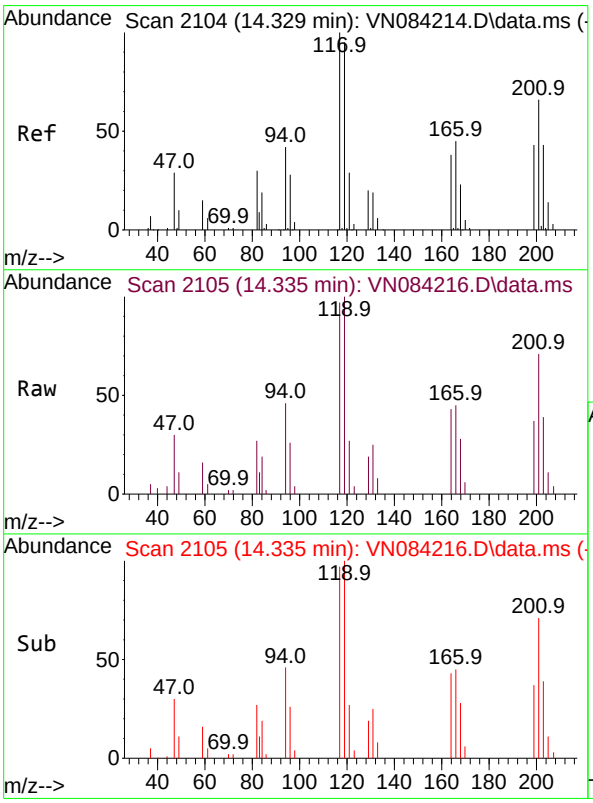
#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 61422

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	23.2	12.3	36.9

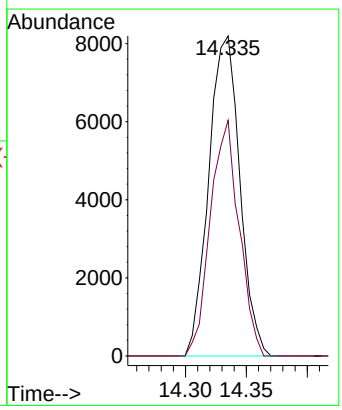


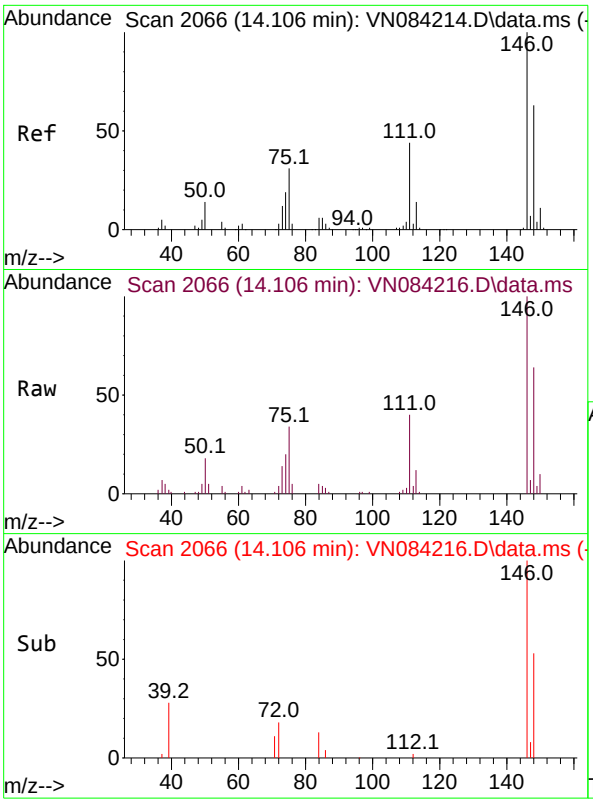


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2



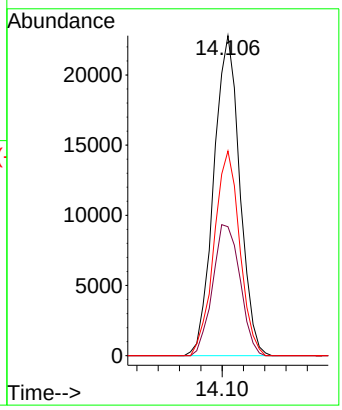


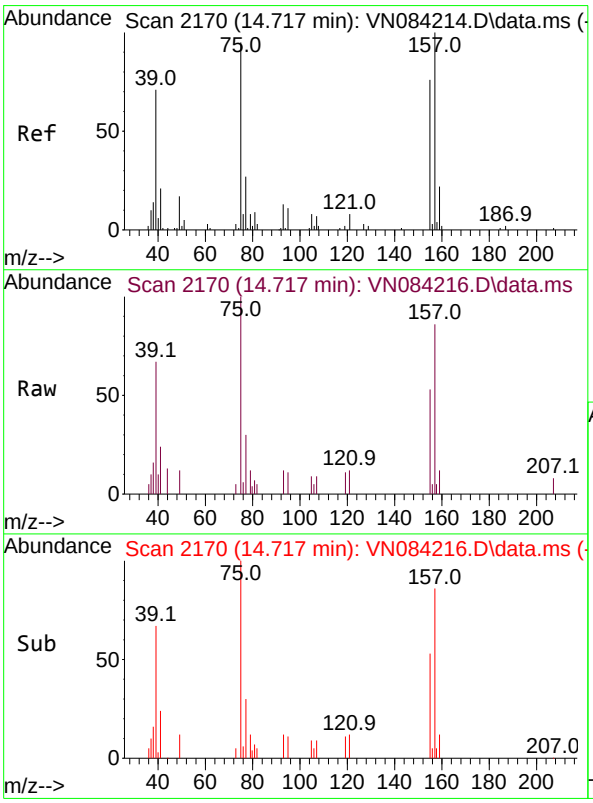
#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 38594

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.1	32.1	96.3

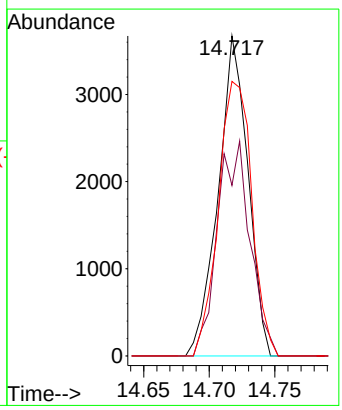


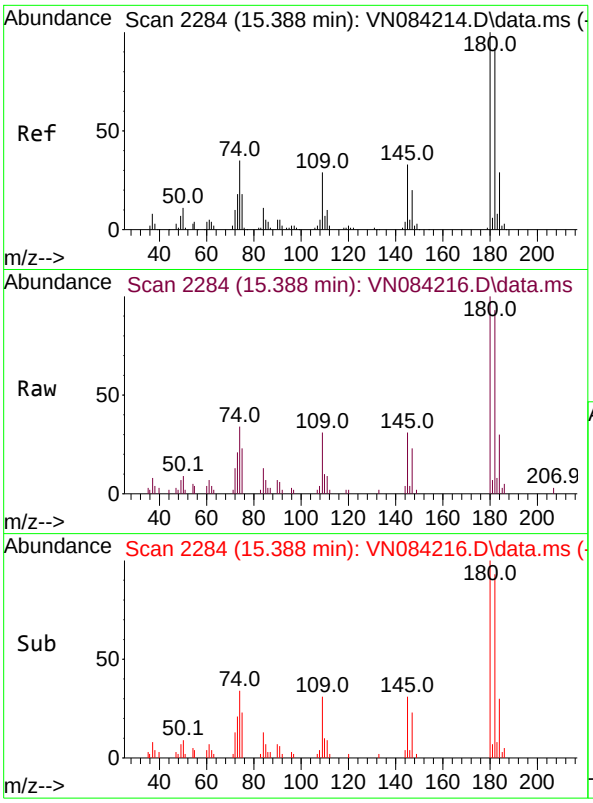


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 5799

Ion	Ratio	Lower	Upper
75	100		
155	73.5	38.1	114.5
157	96.2	49.6	149.0



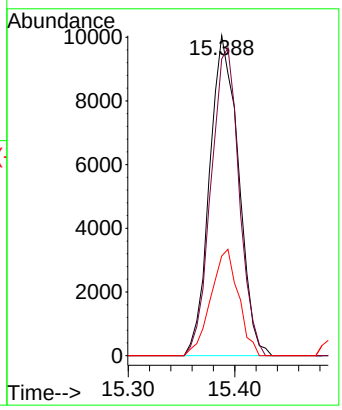


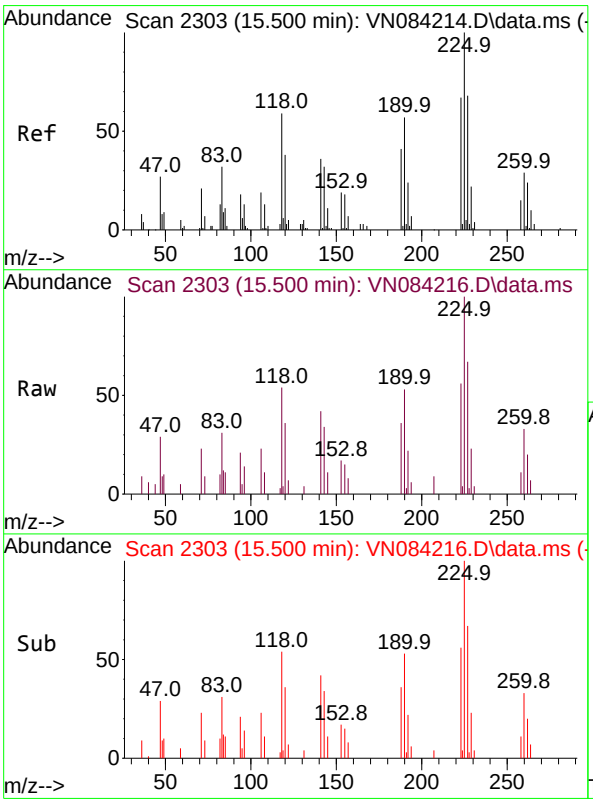
#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 18960

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	31.7	16.4	49.4

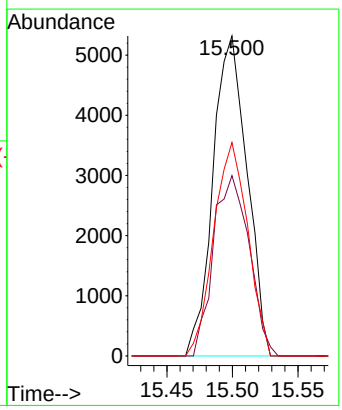


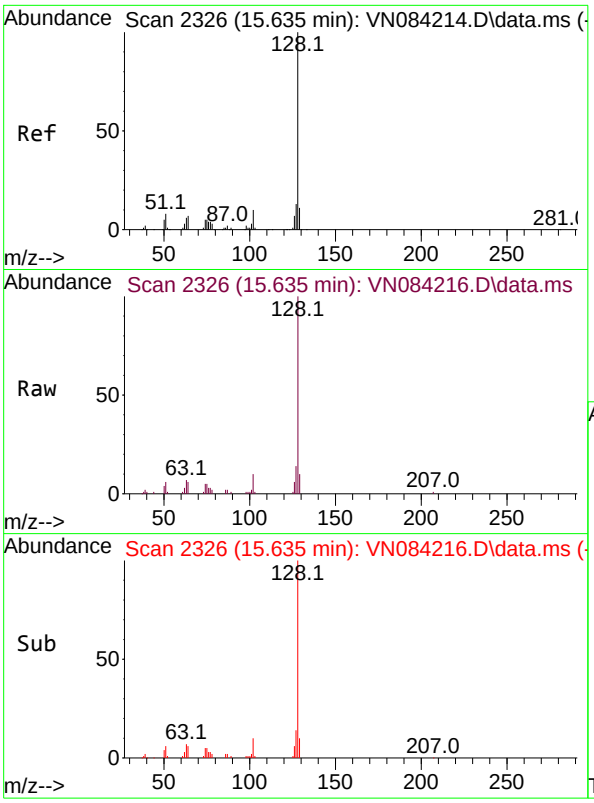


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:225 Resp: 9592

Ion	Ratio	Lower	Upper
225	100		
223	59.4	32.4	97.2
227	66.8	32.4	97.0



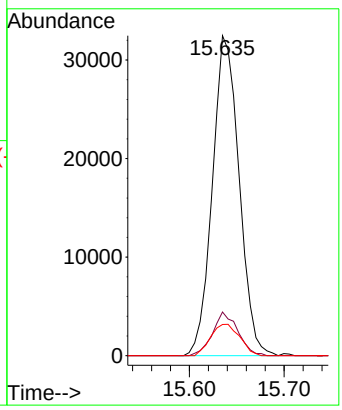


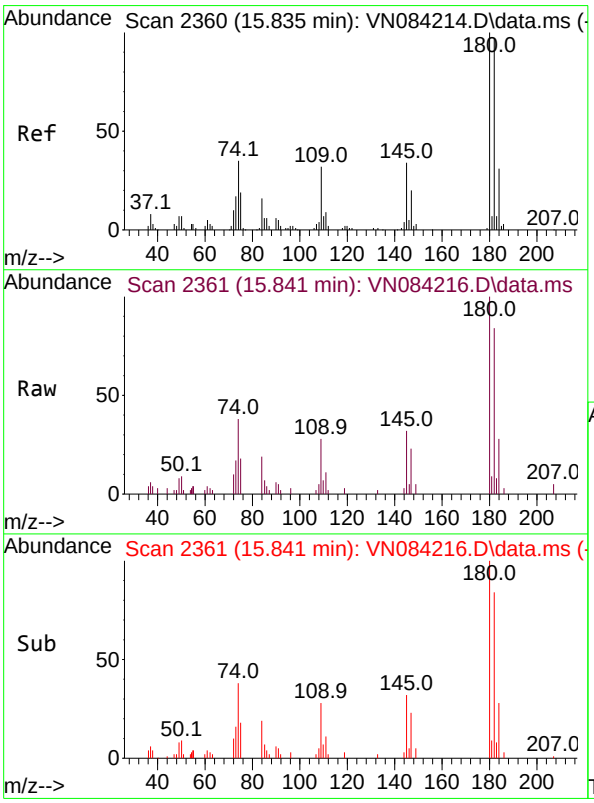
#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 63596

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1

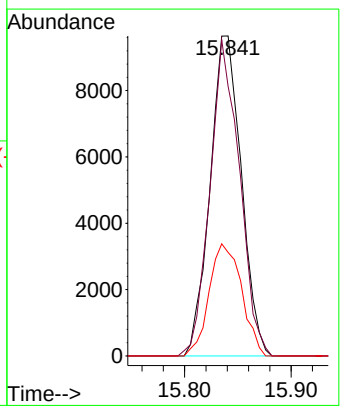




#96
1,2,3-Trichlorobenzene
Concen: 9.826 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 19629

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.2	144.6
145	36.4	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	161547	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	288067	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	245710	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112491	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	13262	5.537	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#			
35) Dibromofluoromethane	8.171	113	10333	5.441	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.880%#			
50) Toluene-d8	10.565	98	35782	5.121	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.240%#			
62) 4-Bromofluorobenzene	12.847	95	13132	5.159	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.320%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	9807	5.132	ug/l		94
3) Chloromethane	2.359	50	12064	5.529	ug/l		92
4) Vinyl Chloride	2.512	62	11701	5.536	ug/l		96
5) Bromomethane	2.947	94	8091	5.804	ug/l		97
6) Chloroethane	3.118	64	8433	5.571	ug/l		94
7) Trichlorofluoromethane	3.495	101	17988	5.466	ug/l		90
8) Diethyl Ether	3.953	74	6430	5.268	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	5482	2.907	ug/l	#	33
10) Methyl Iodide	4.589	142	12344	5.083	ug/l	#	97
11) Tert butyl alcohol	5.512	59	11537	29.211	ug/l	#	91
12) 1,1-Dichloroethene	4.342	96	10191	5.603	ug/l		95
13) Acrolein	4.177	56	13122	28.940	ug/l		99
14) Allyl chloride	5.030	41	17724	5.611	ug/l		90
15) Acrylonitrile	5.718	53	26537	26.607	ug/l		99
16) Acetone	4.430	43	27153	26.389	ug/l		95
17) Carbon Disulfide	4.712	76	30816	5.351	ug/l		97
18) Methyl Acetate	5.024	43	12354	5.509	ug/l	#	72
19) Methyl tert-butyl Ether	5.800	73	33101	5.392	ug/l		97
20) Methylene Chloride	5.265	84	10809	5.168	ug/l		96
21) trans-1,2-Dichloroethene	5.777	96	5005	2.626	ug/l		90
22) Diisopropyl ether	6.671	45	35654	5.457	ug/l		99
23) Vinyl Acetate	6.606	43	144069	29.570	ug/l		99
24) 1,1-Dichloroethane	6.565	63	19800	5.419	ug/l		95
25) 2-Butanone	7.482	43	37739	26.929	ug/l		99
26) 2,2-Dichloropropane	7.488	77	17552	5.327	ug/l		98
27) cis-1,2-Dichloroethene	7.488	96	12388	5.380	ug/l		99
28) Bromochloromethane	7.812	49	9996	6.131	ug/l	#	95
29) Tetrahydrofuran	7.841	42	23456	27.121	ug/l		97
30) Chloroform	7.965	83	20341	5.359	ug/l		92
31) Cyclohexane	8.259	56	21337	6.014	ug/l		99
32) 1,1,1-Trichloroethane	8.171	97	18635	5.467	ug/l	#	53
36) 1,1-Dichloropropene	8.371	75	14527	5.266	ug/l		99
37) Ethyl Acetate	7.565	43	16138	5.702	ug/l		97
38) Carbon Tetrachloride	8.359	117	15700	5.188	ug/l		95
39) Methylcyclohexane	9.594	83	15377	5.009	ug/l		94
40) Benzene	8.606	78	45343	5.276	ug/l		99

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)

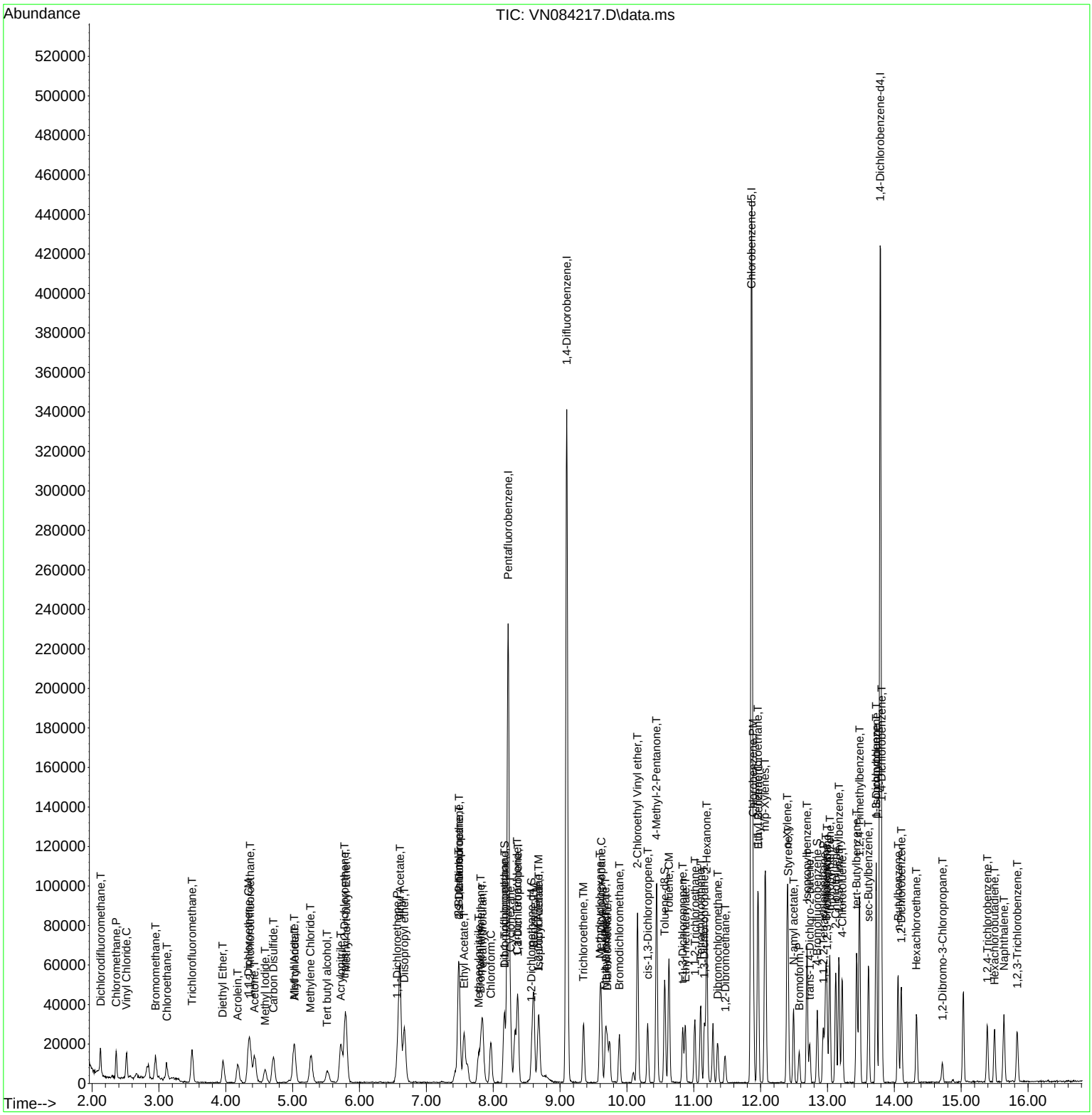
(#) = qualifier out of range (m) = manual integration (+) = signals summed

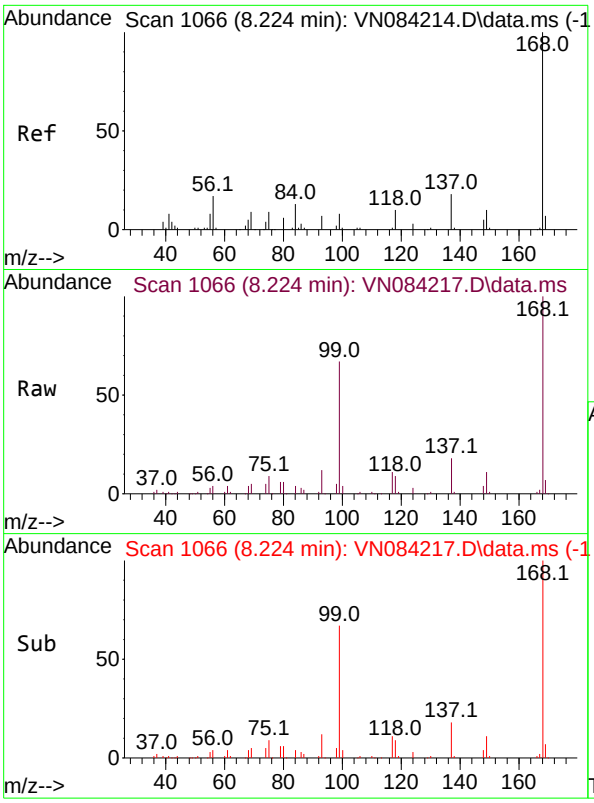
Quantitation Report (Not Reviewed)

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



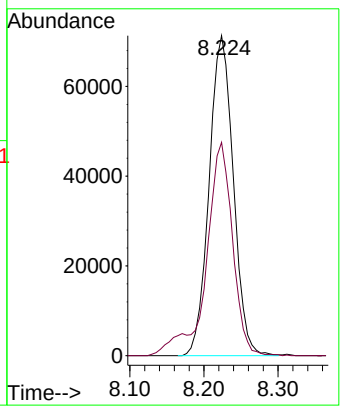


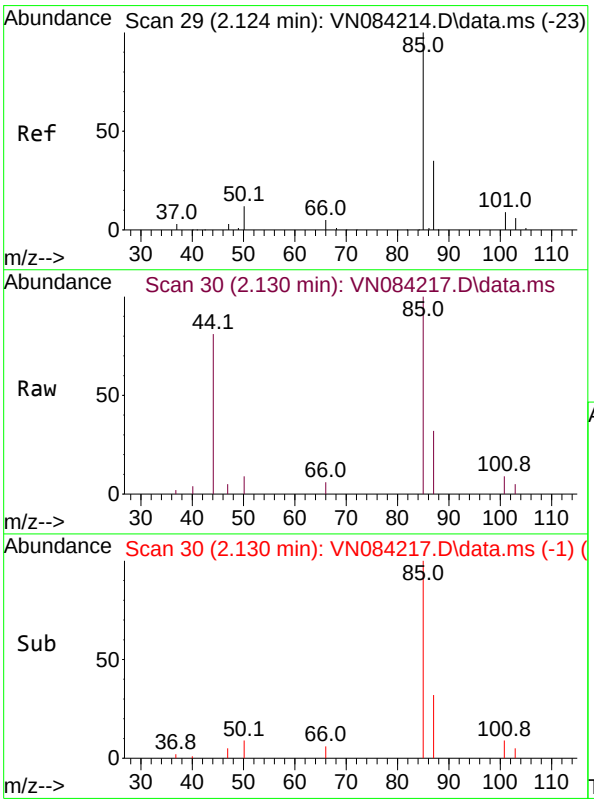
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 161547

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2

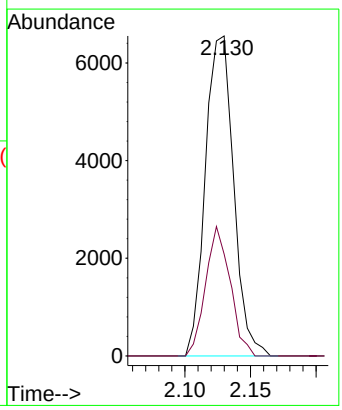


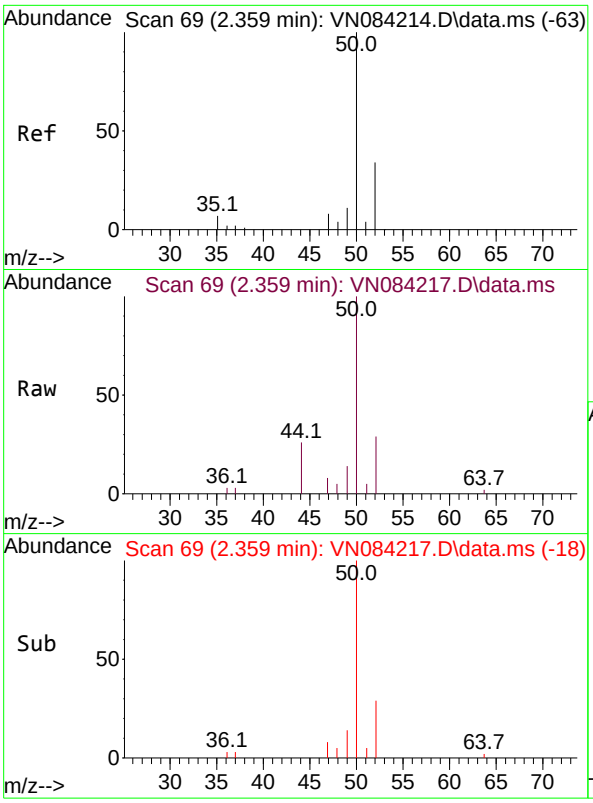


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



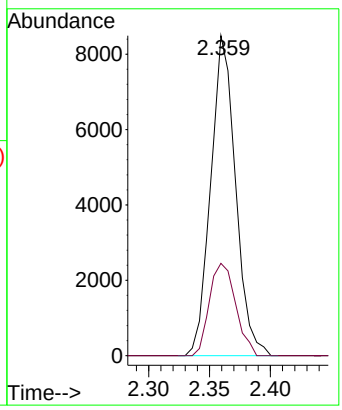


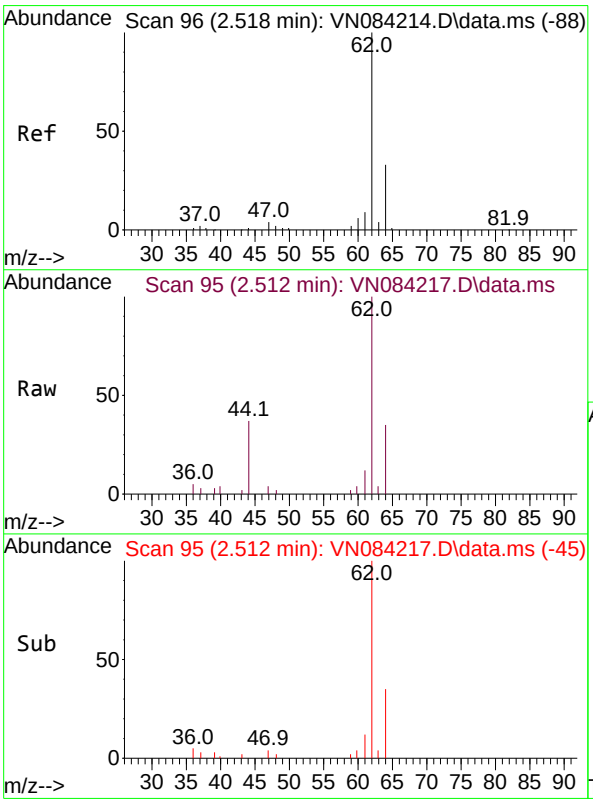
#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12064

Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2

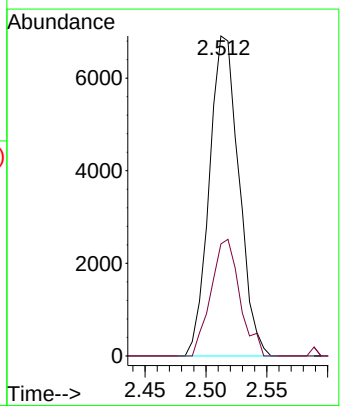


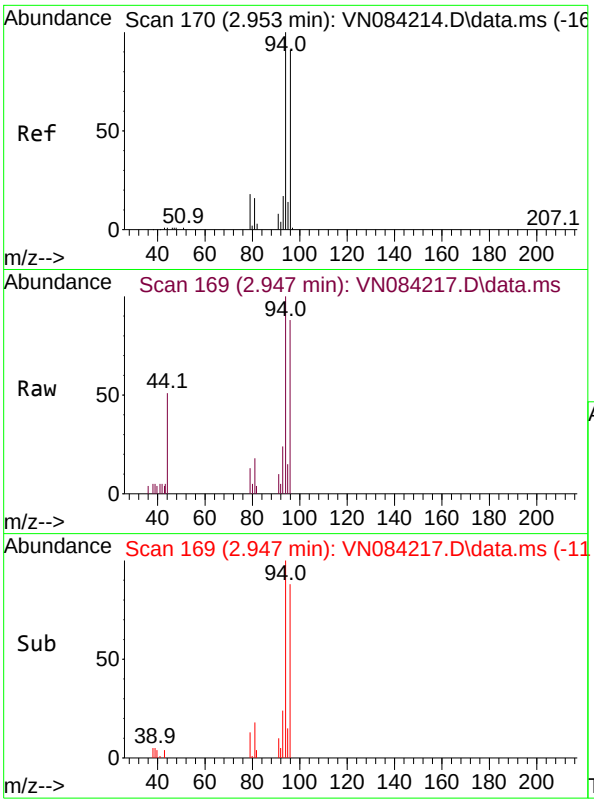


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4



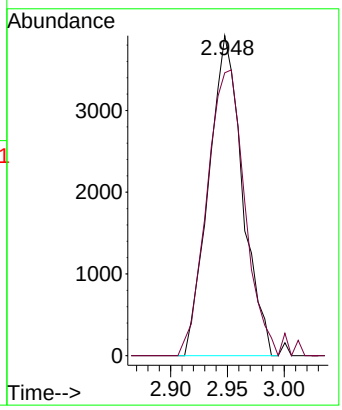


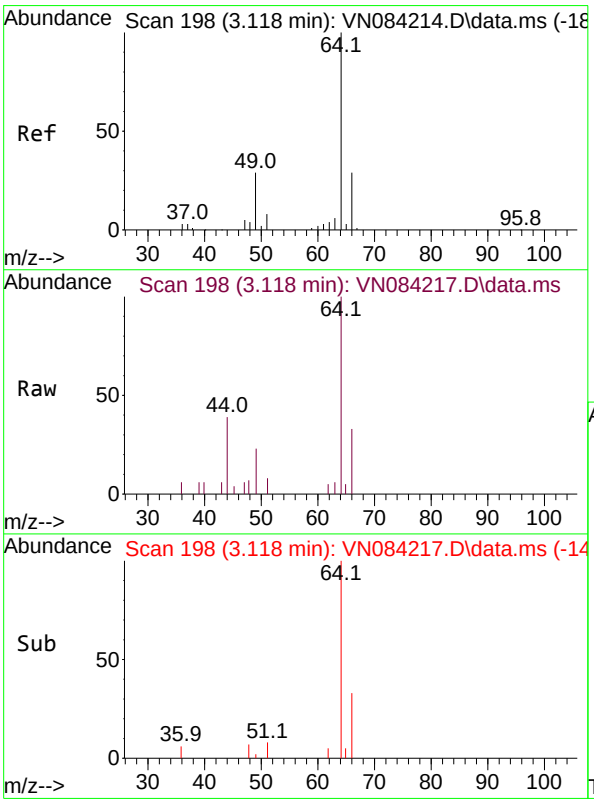
#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8091

Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3

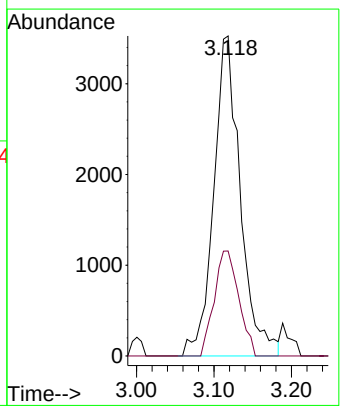


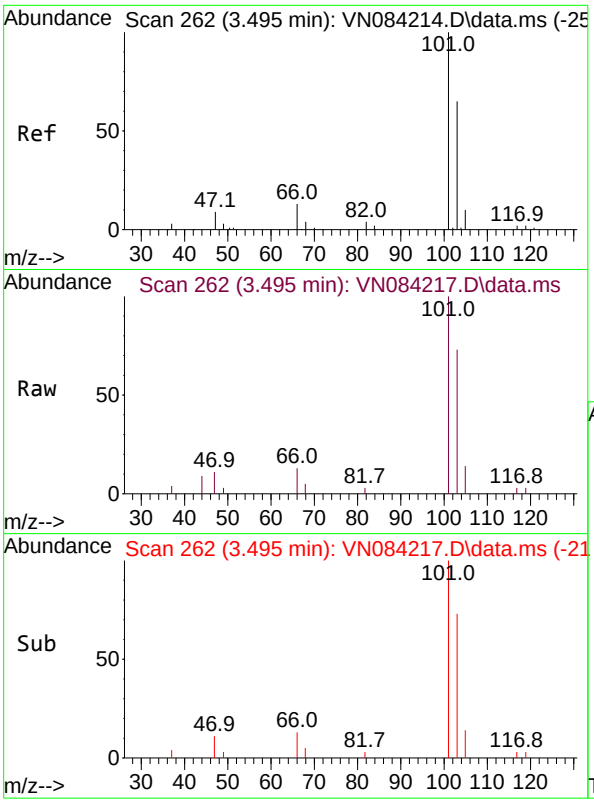


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



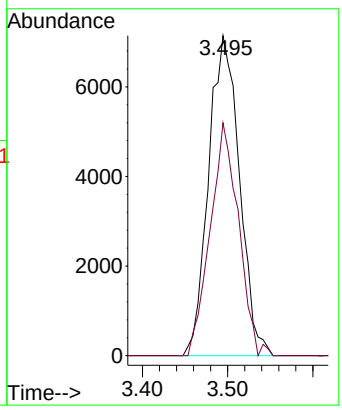


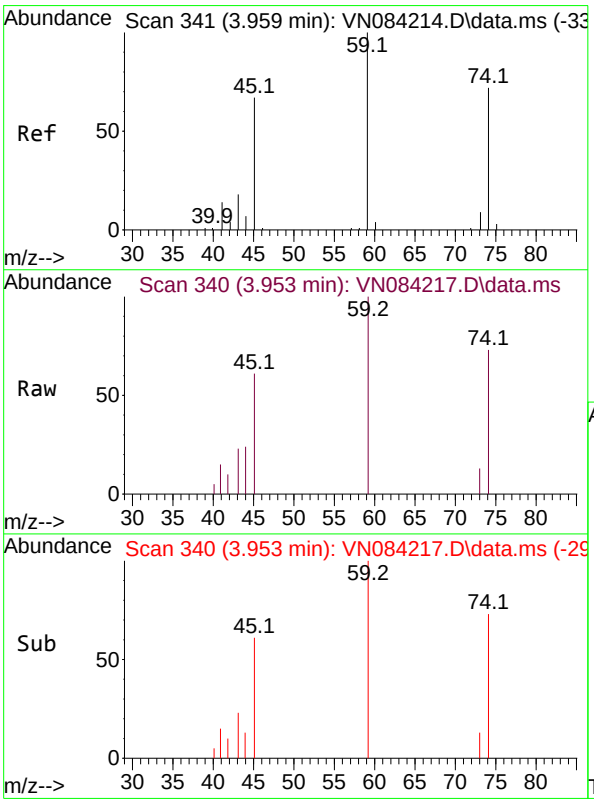
#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17988

Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6

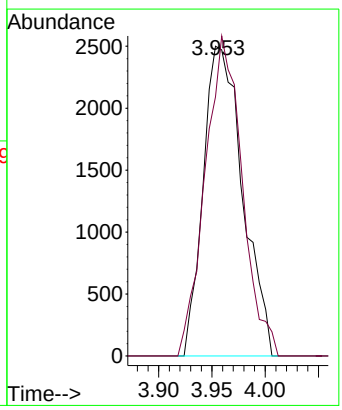


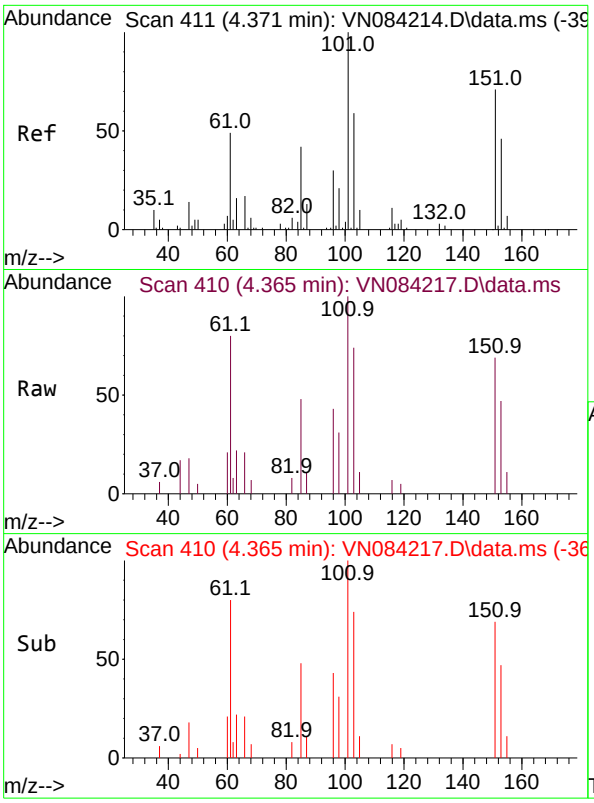


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 74 Resp: 6430

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.7	143.1



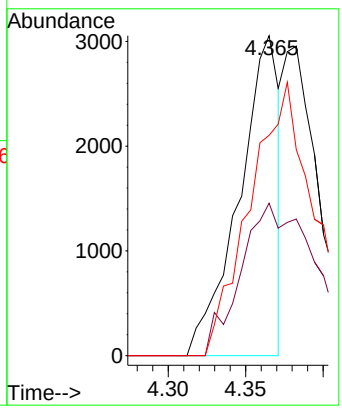


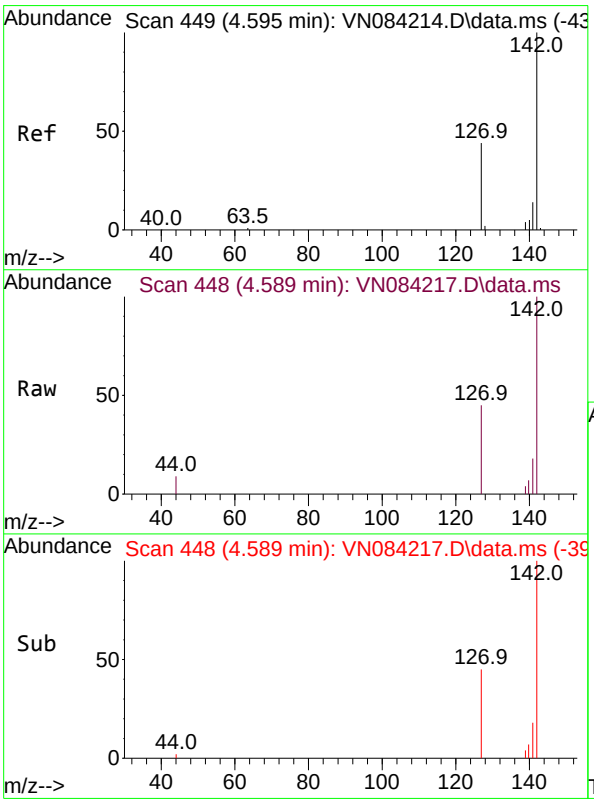
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.907 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

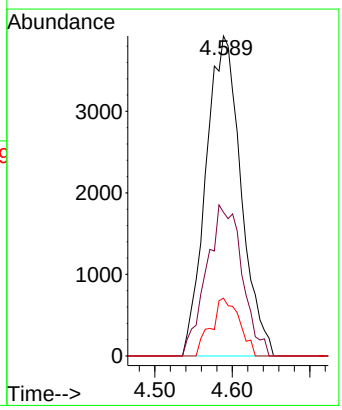


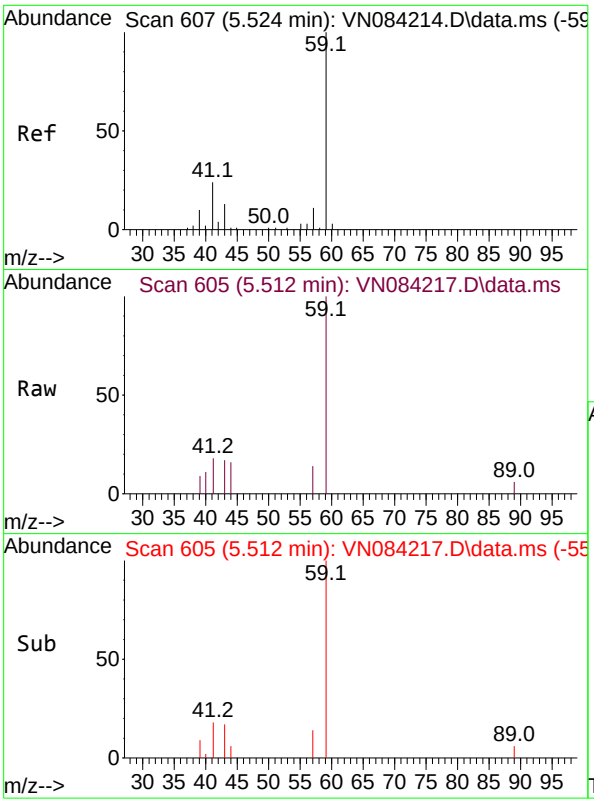


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#



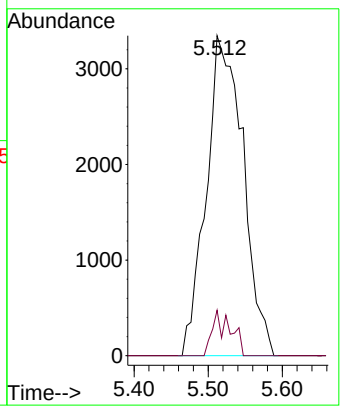


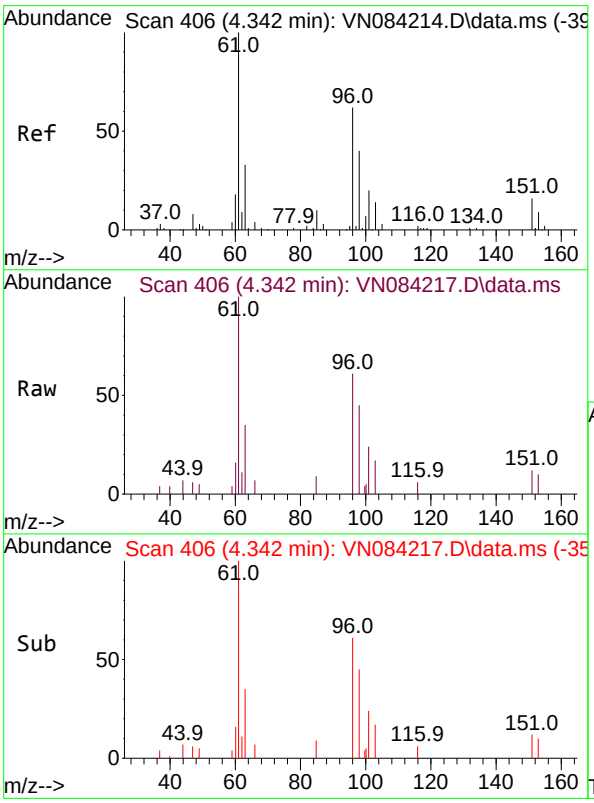
#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 11537

Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#

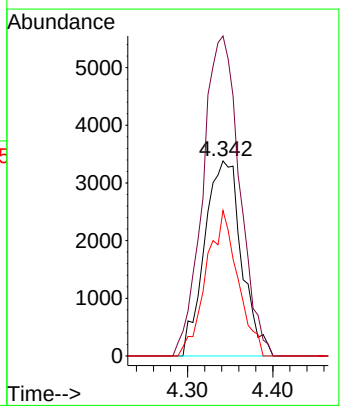


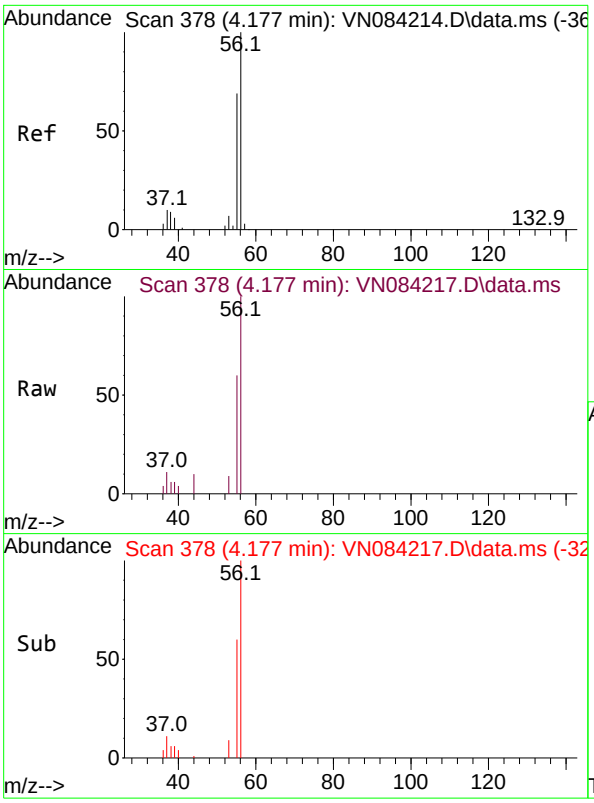


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



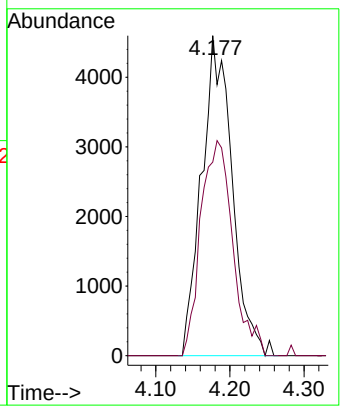


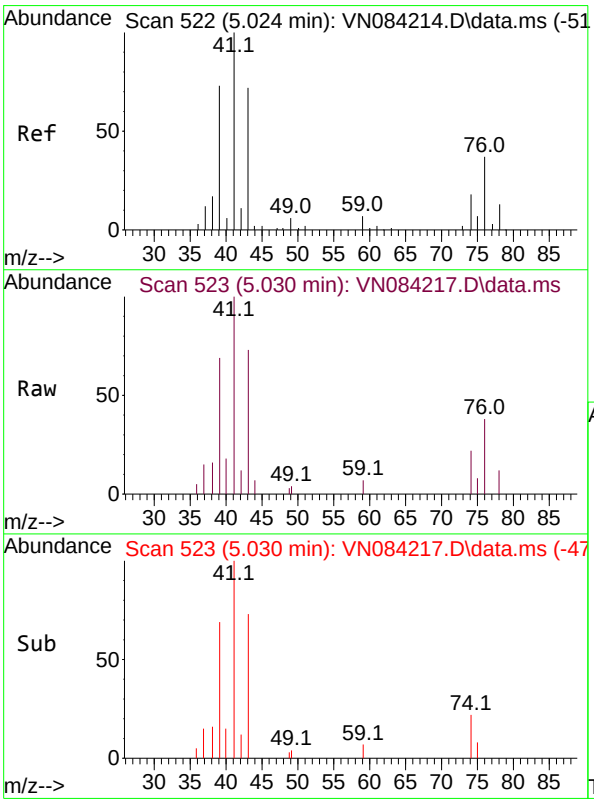
#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13122

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

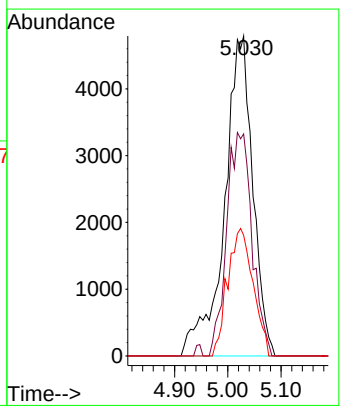


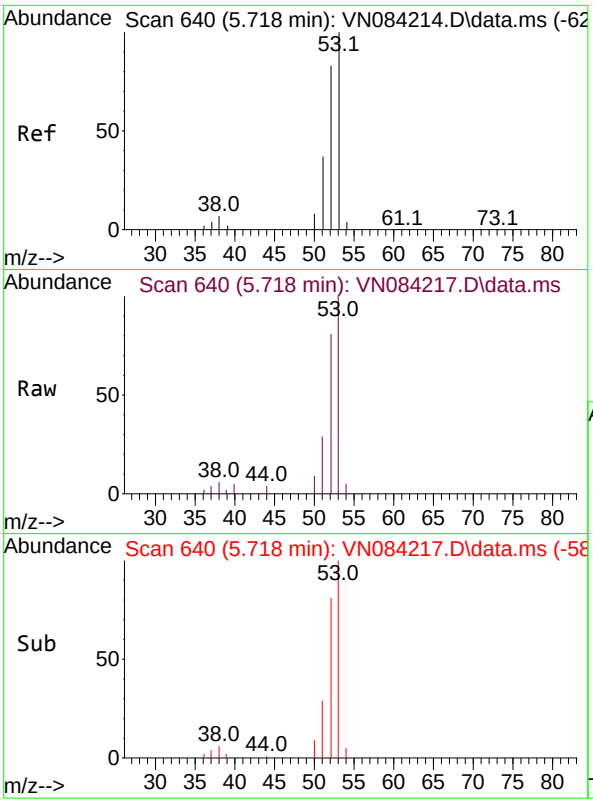


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



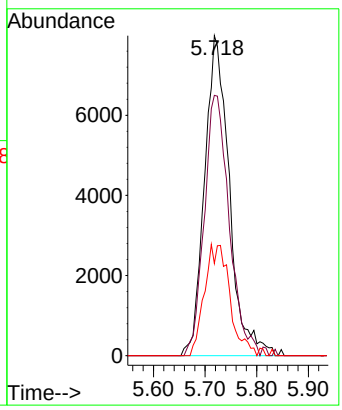


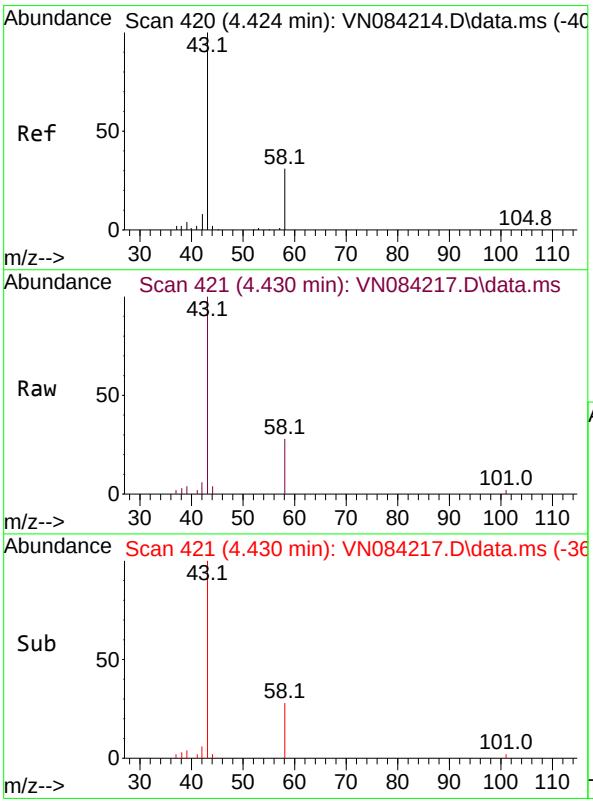
#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

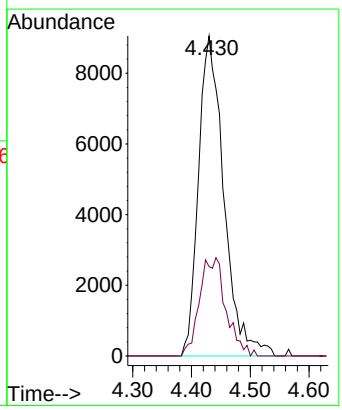


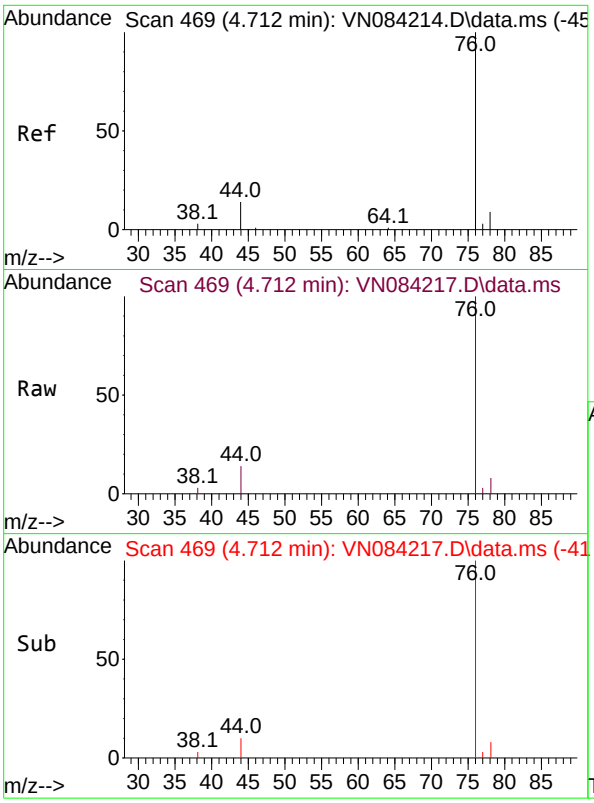


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6



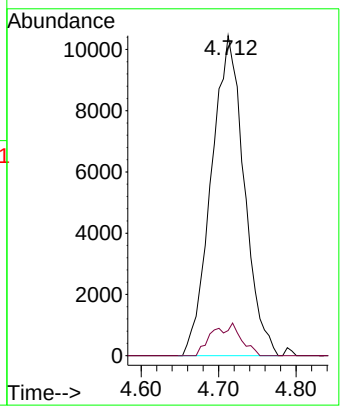


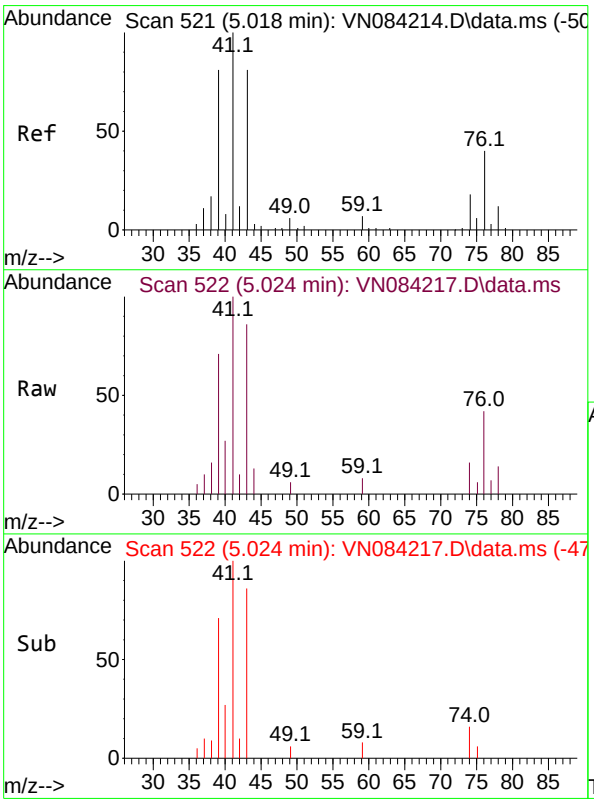
#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30816

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

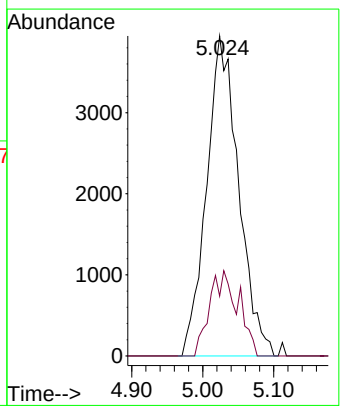


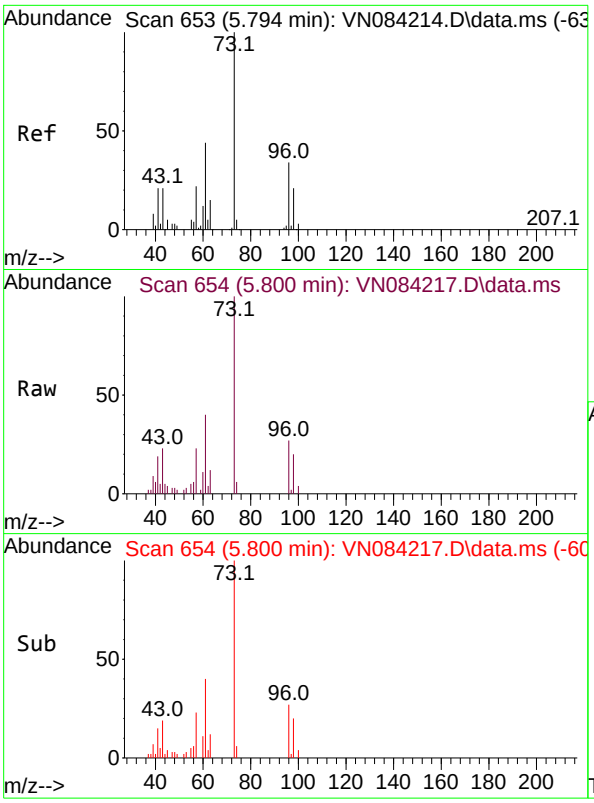


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#



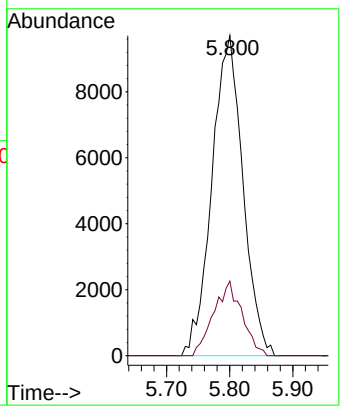


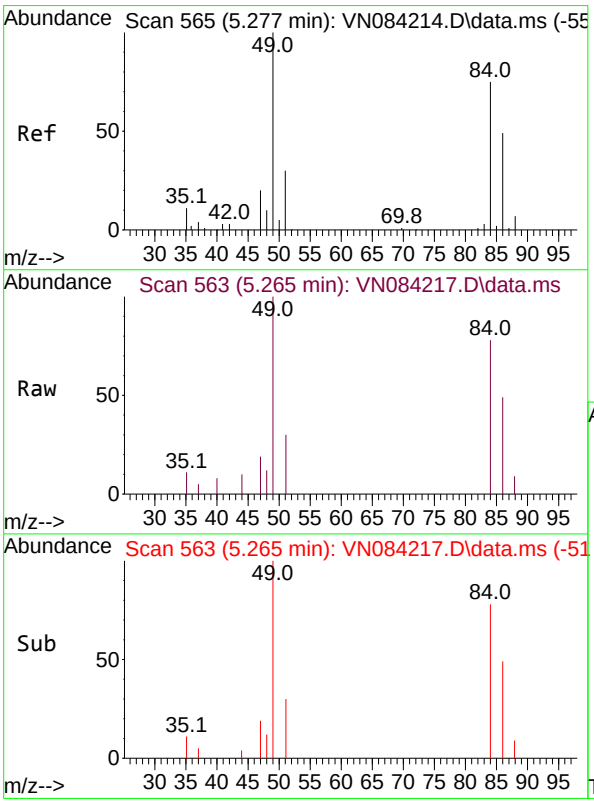
#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 33101

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

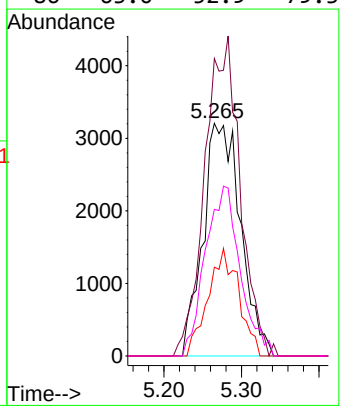


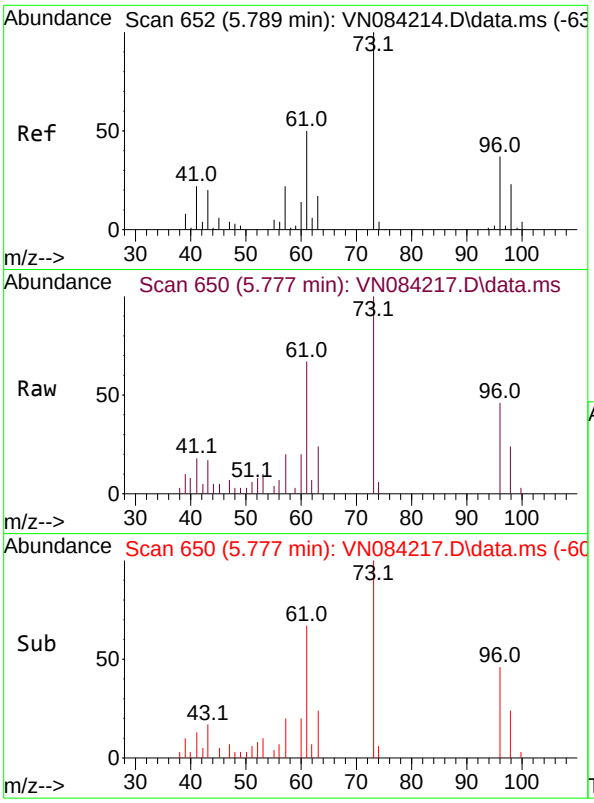


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



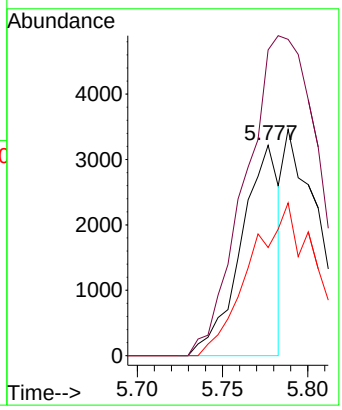


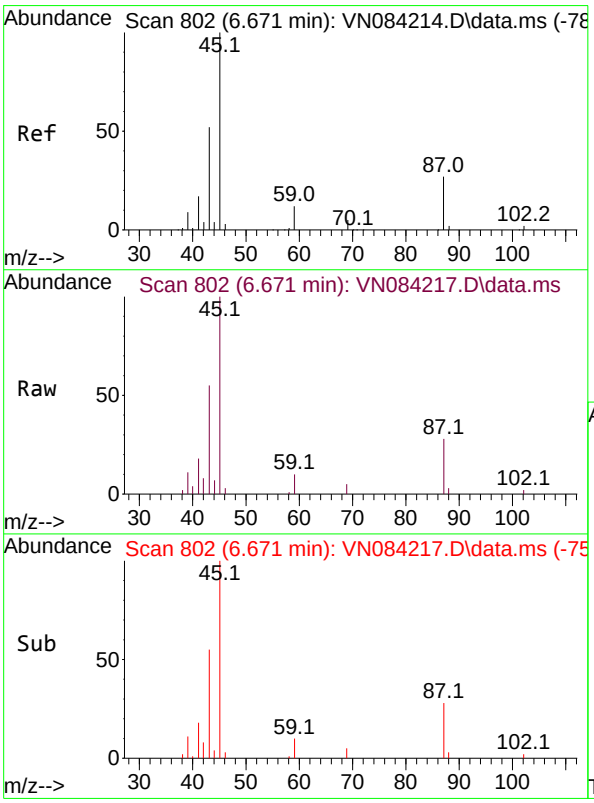
#21
trans-1,2-Dichloroethene
Concen: 2.626 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

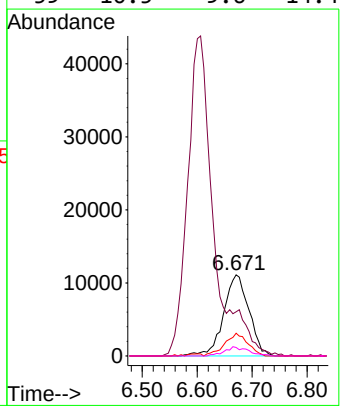


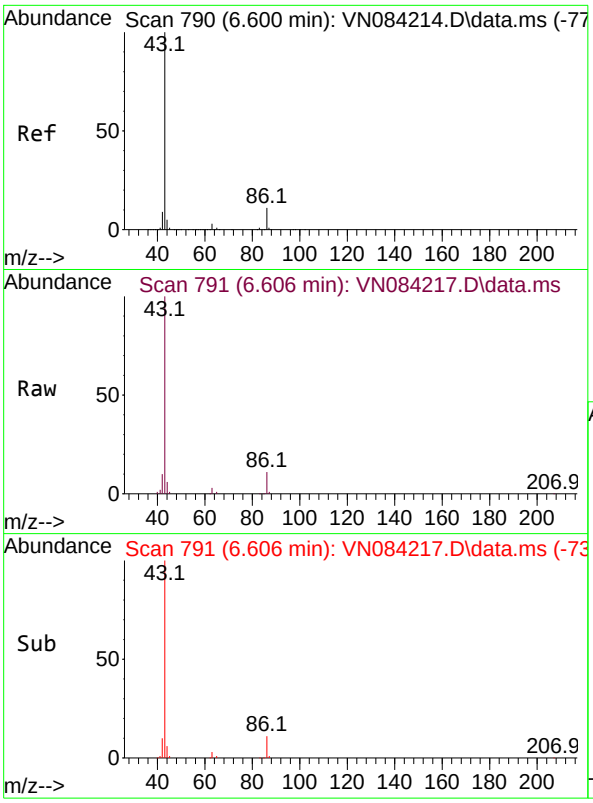


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



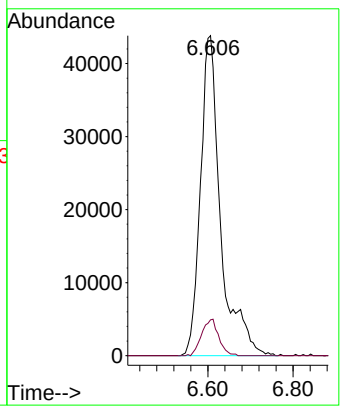


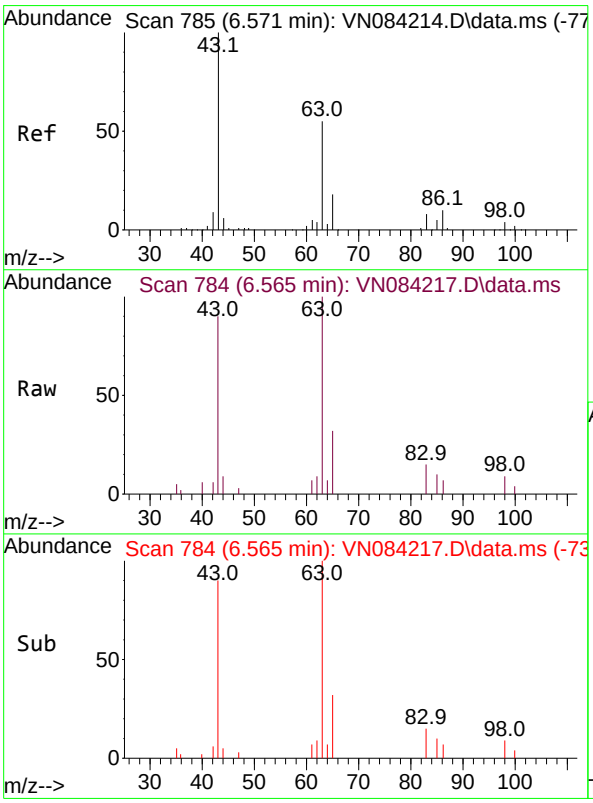
#23
Vinyl Acetate
Concen: 29.570 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 144069

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

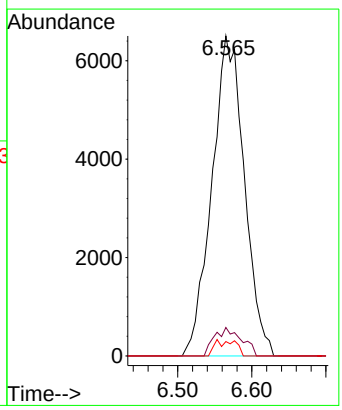


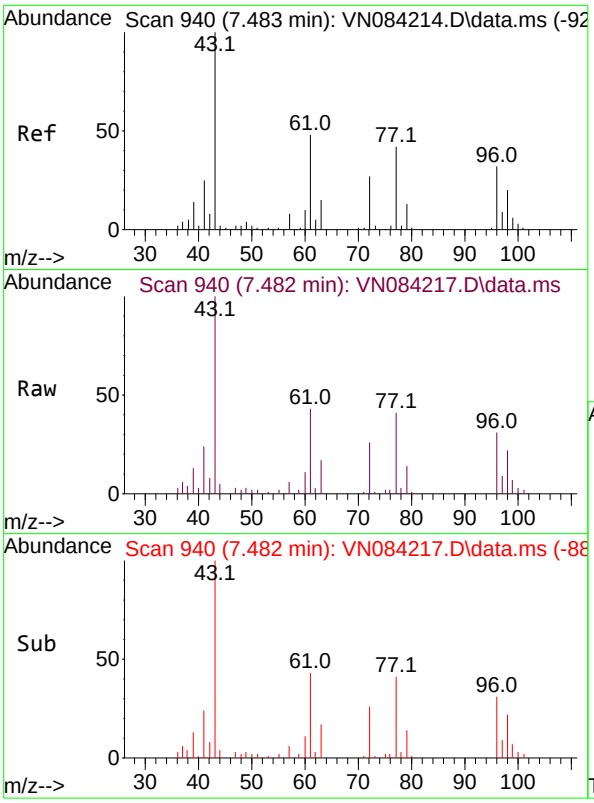


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



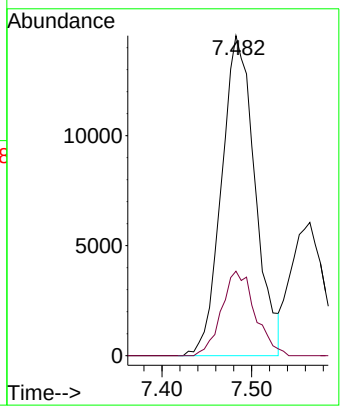


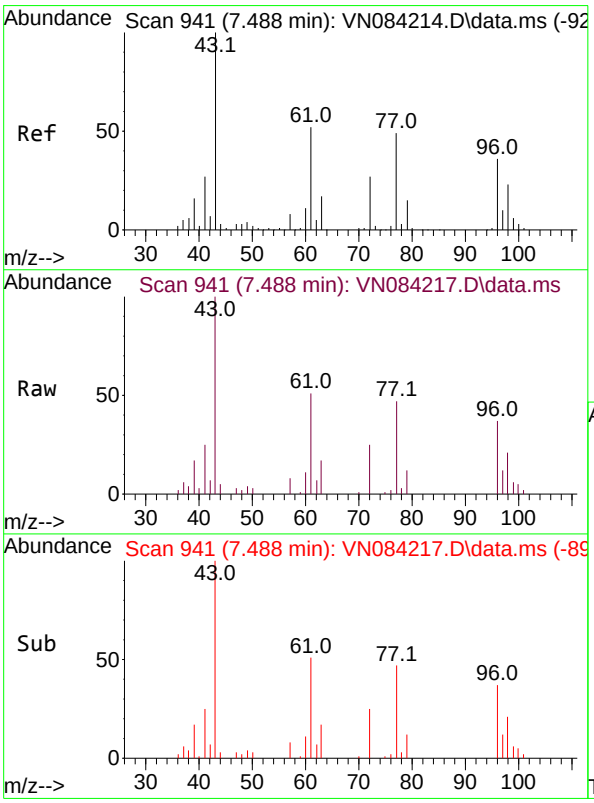
#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 37739

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

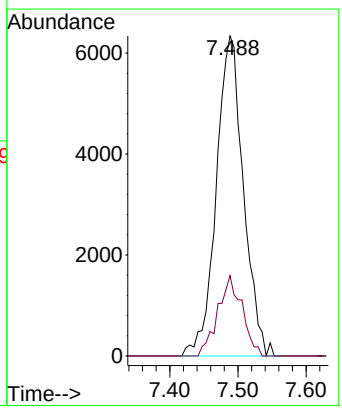


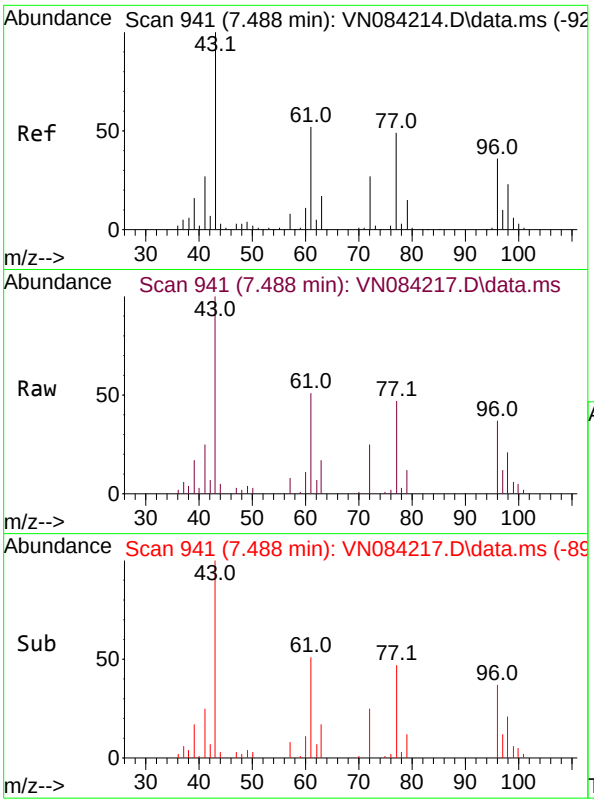


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



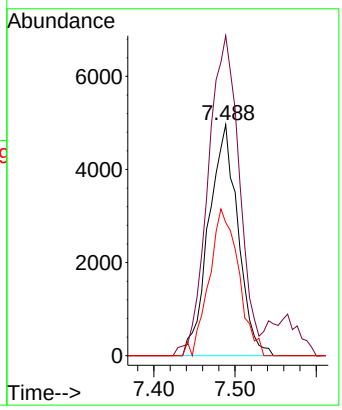


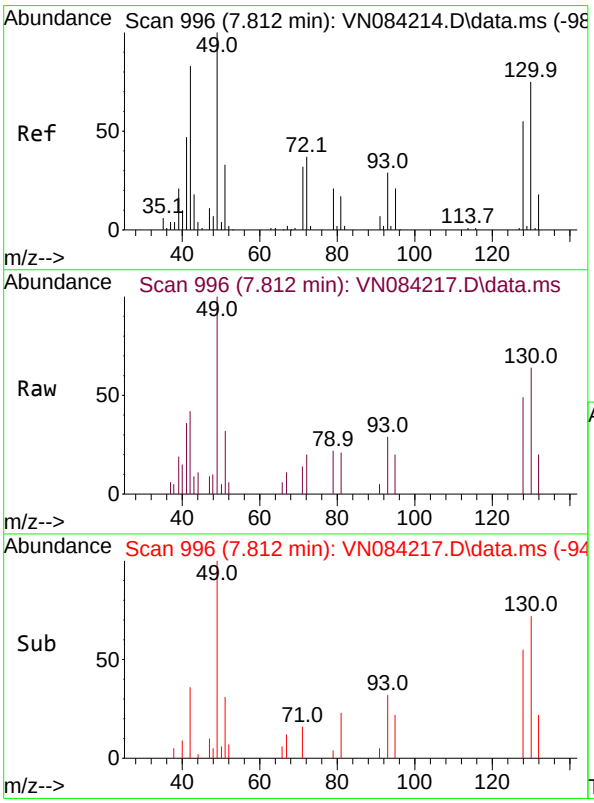
#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

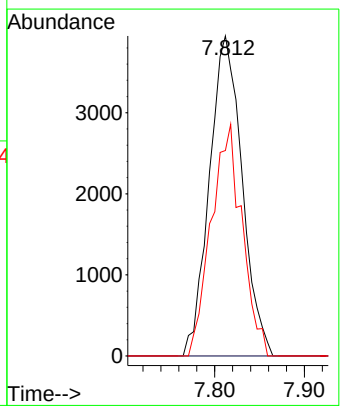


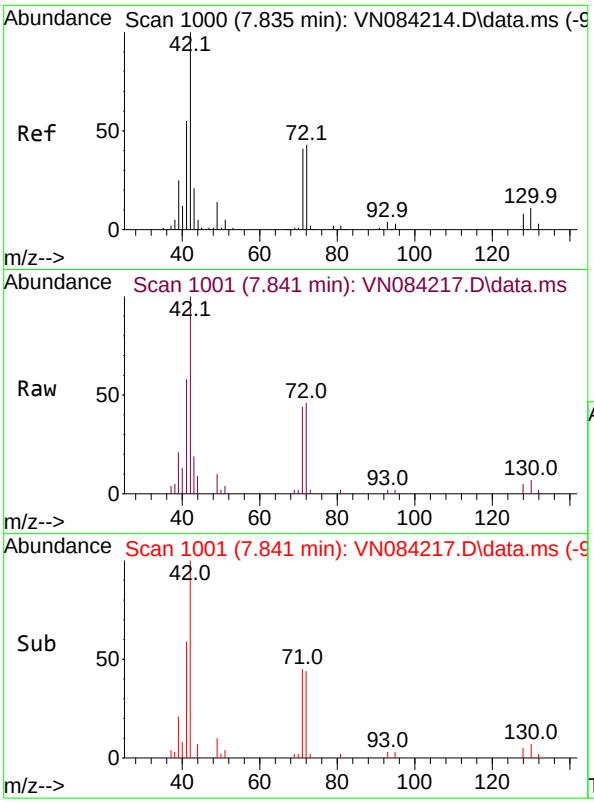


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



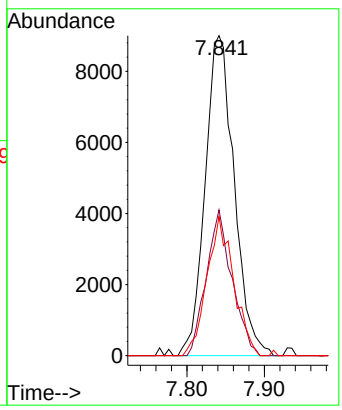


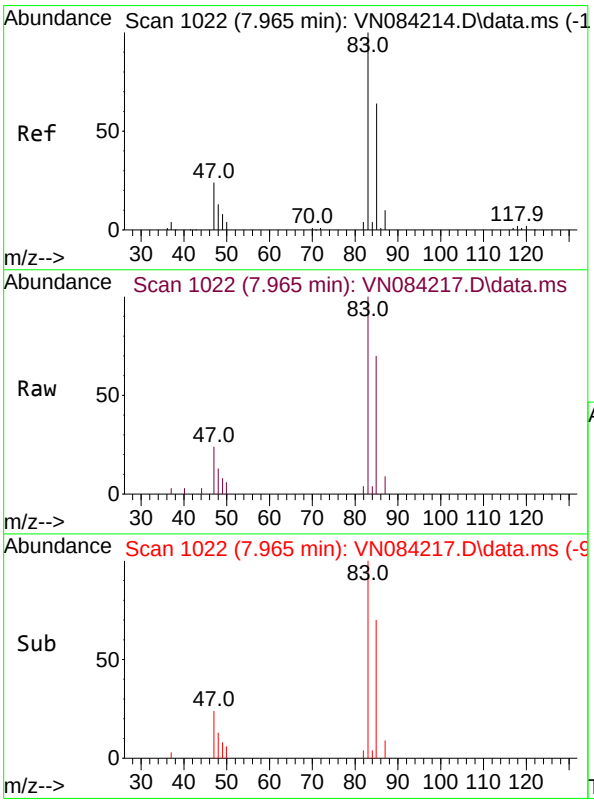
#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

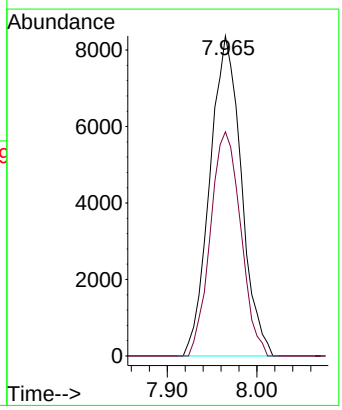


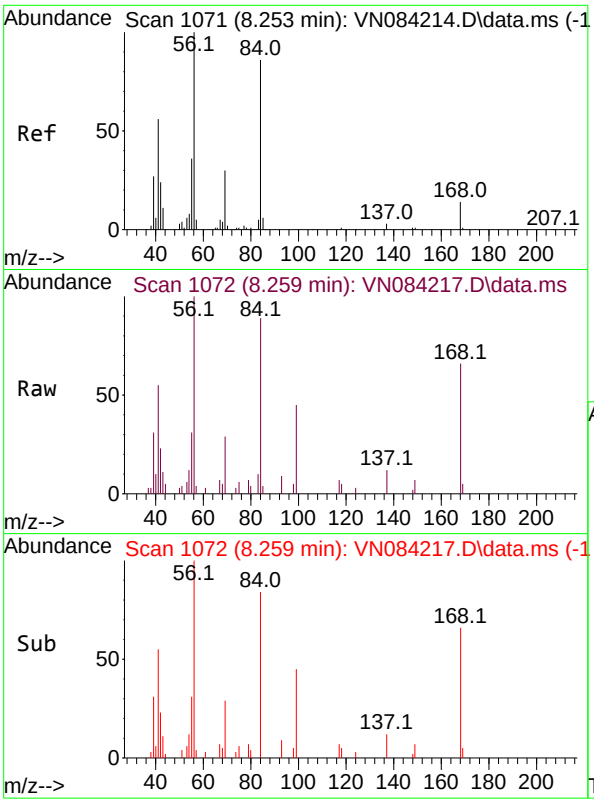


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4



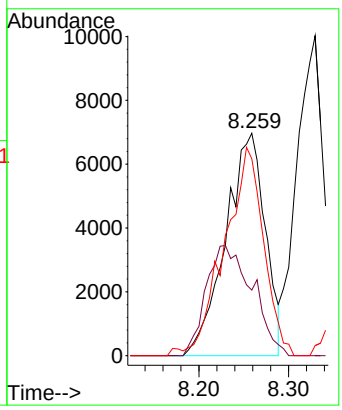


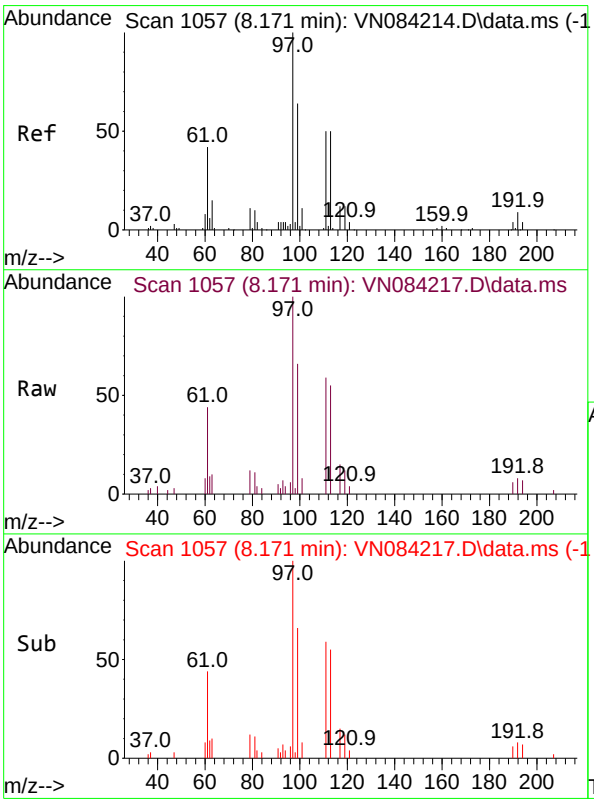
#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

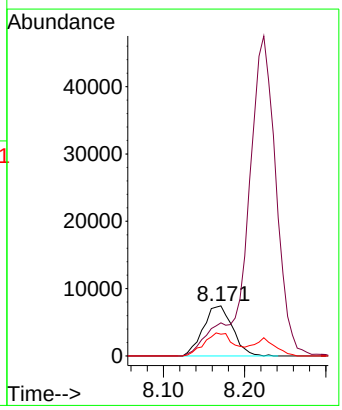


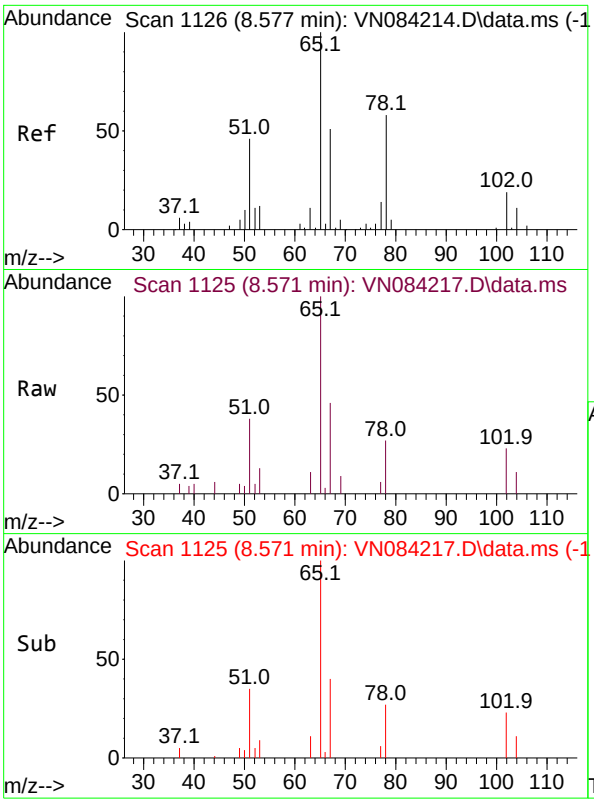


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



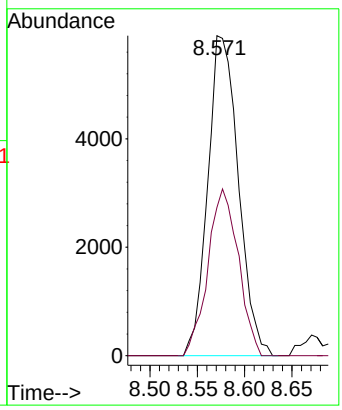


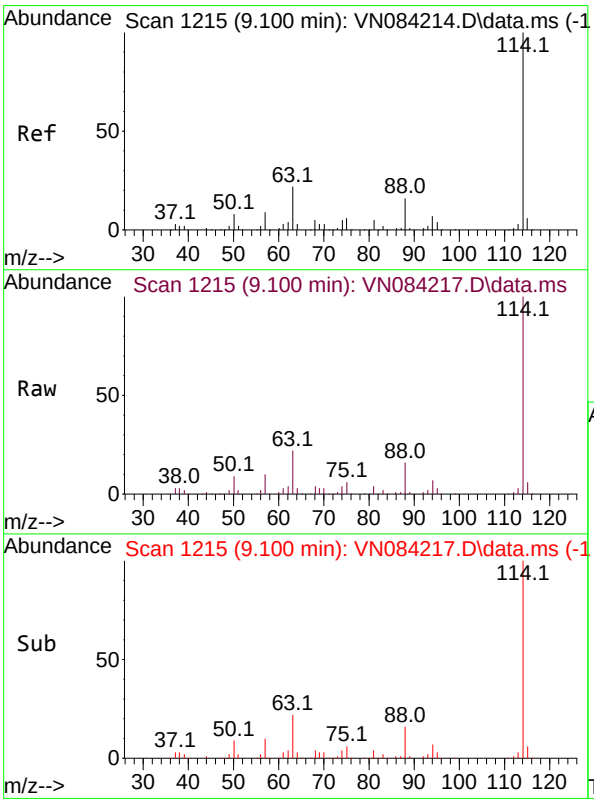
#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13262

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0

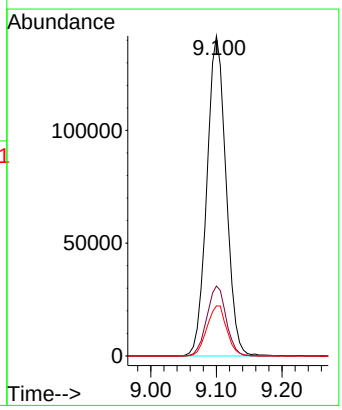


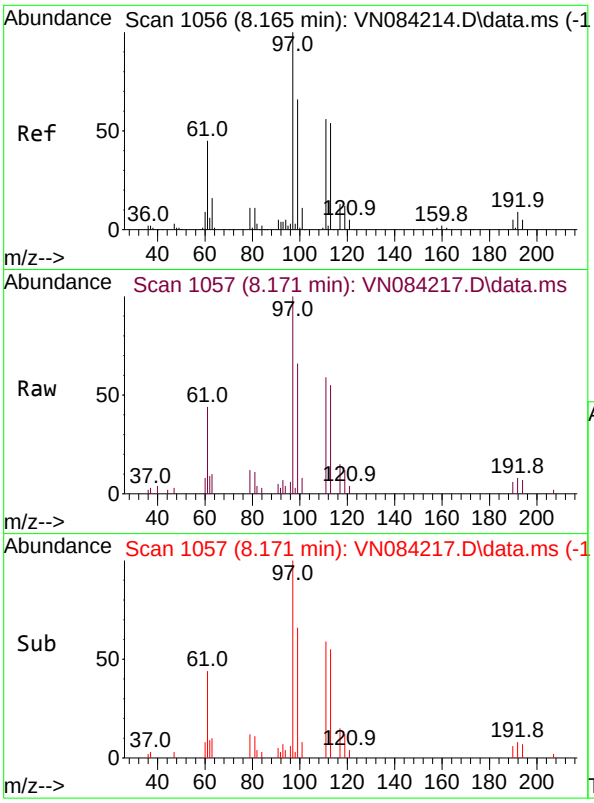


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



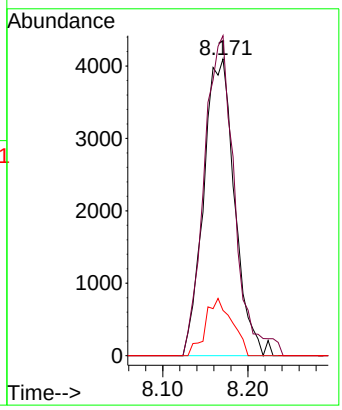


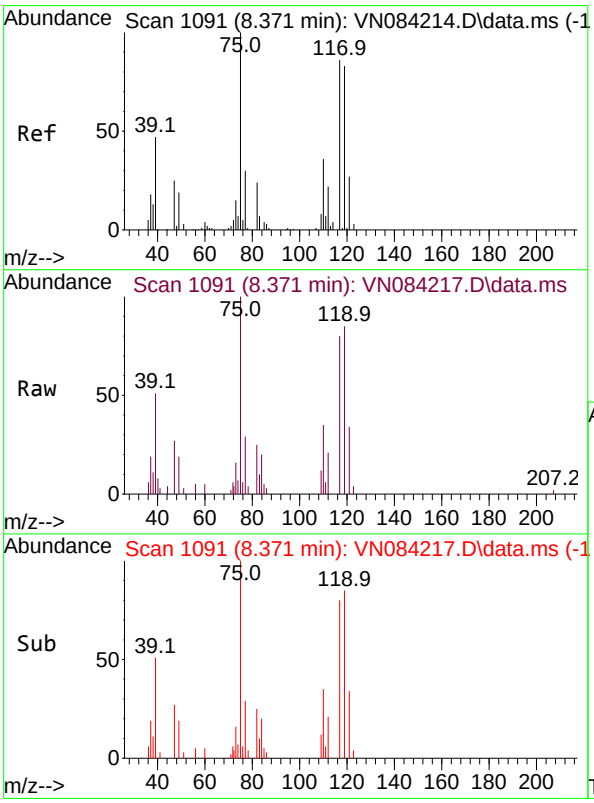
#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

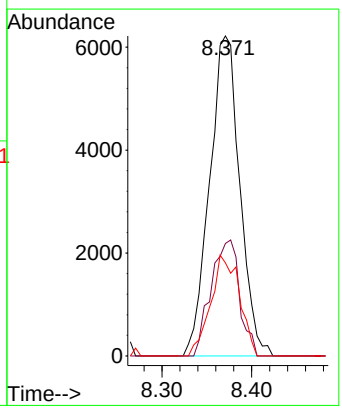


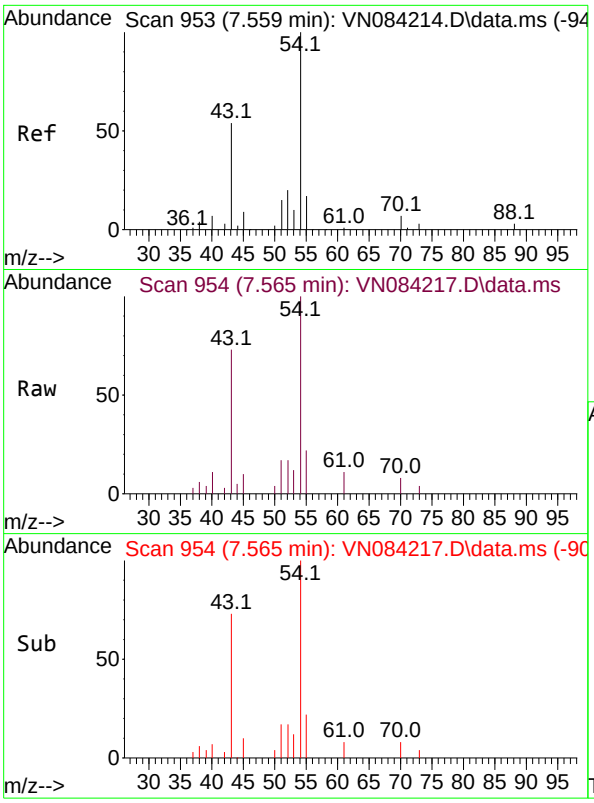


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



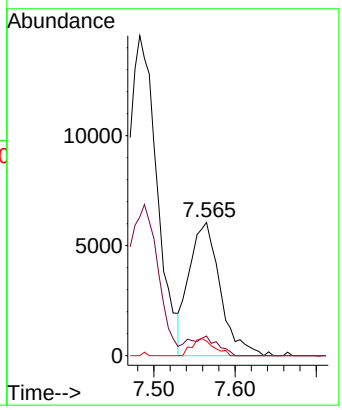


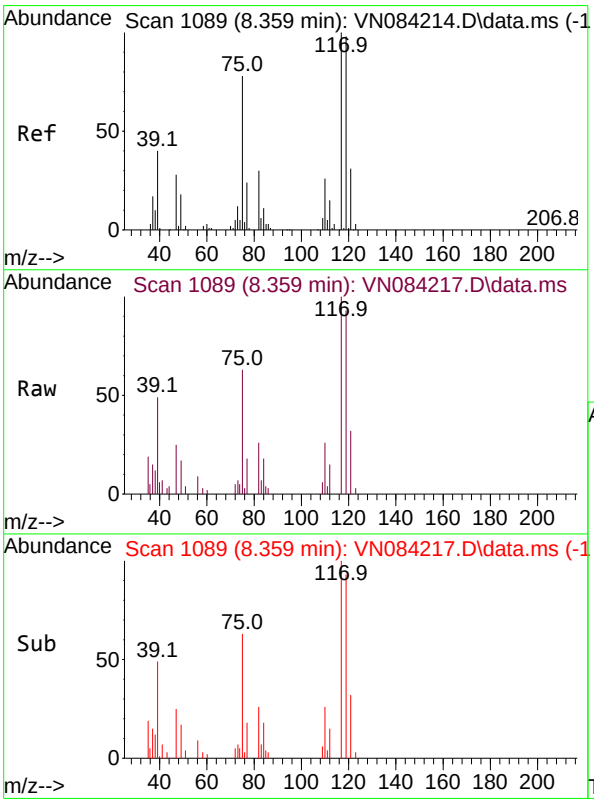
#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

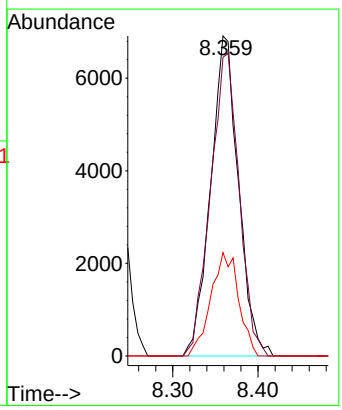


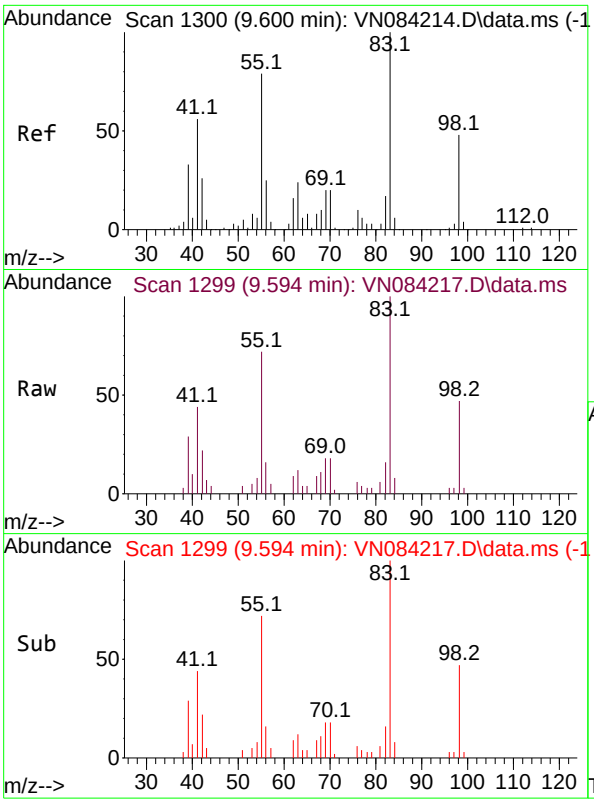


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



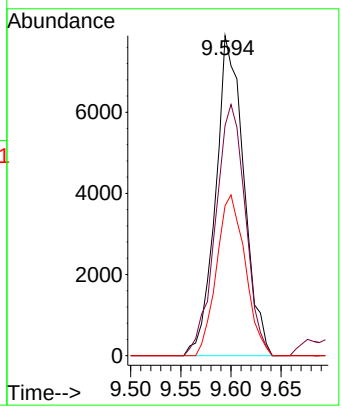


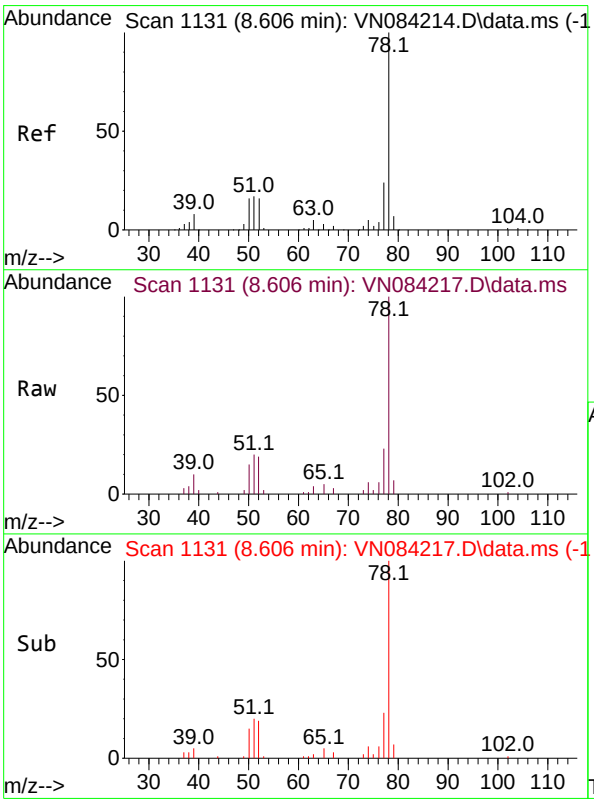
#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

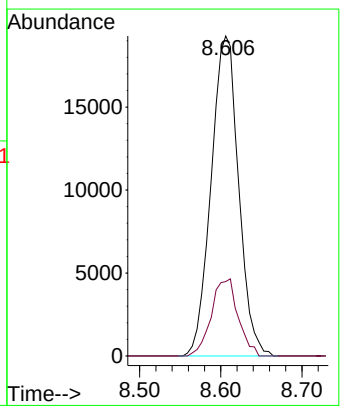


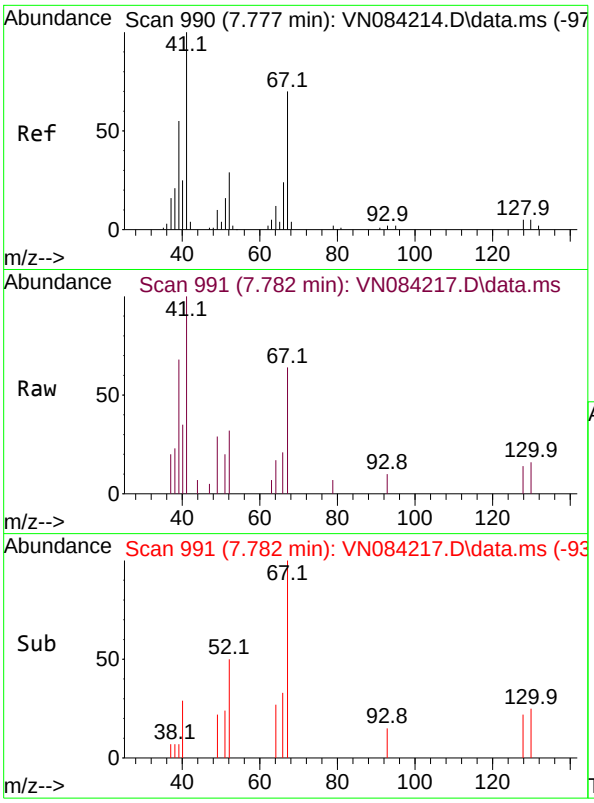


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



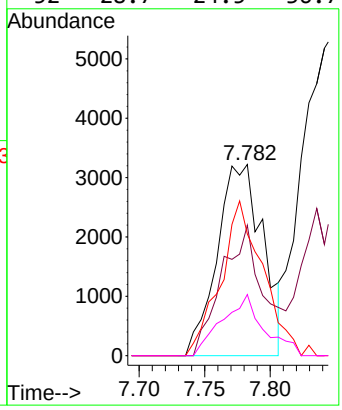


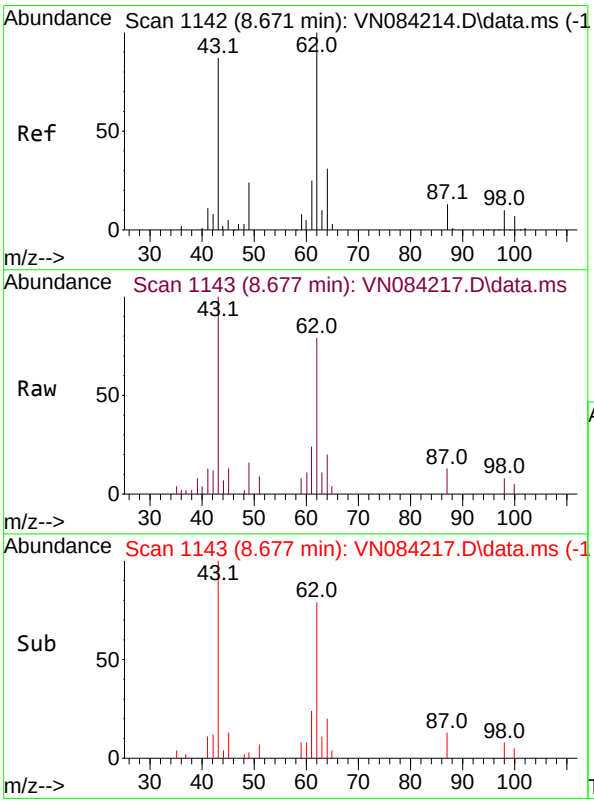
#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

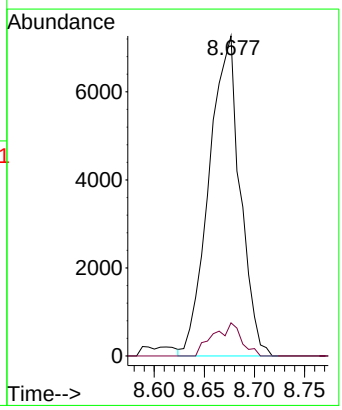


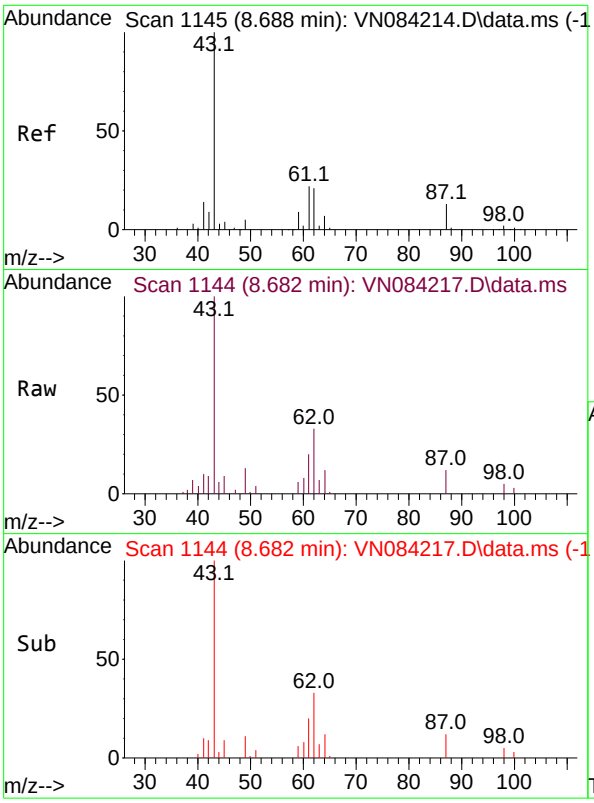


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



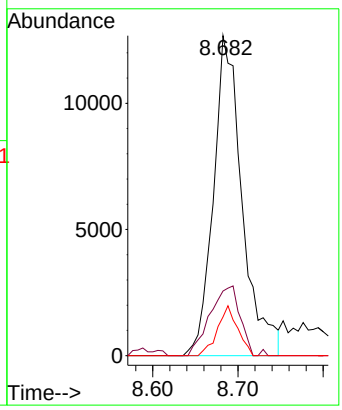


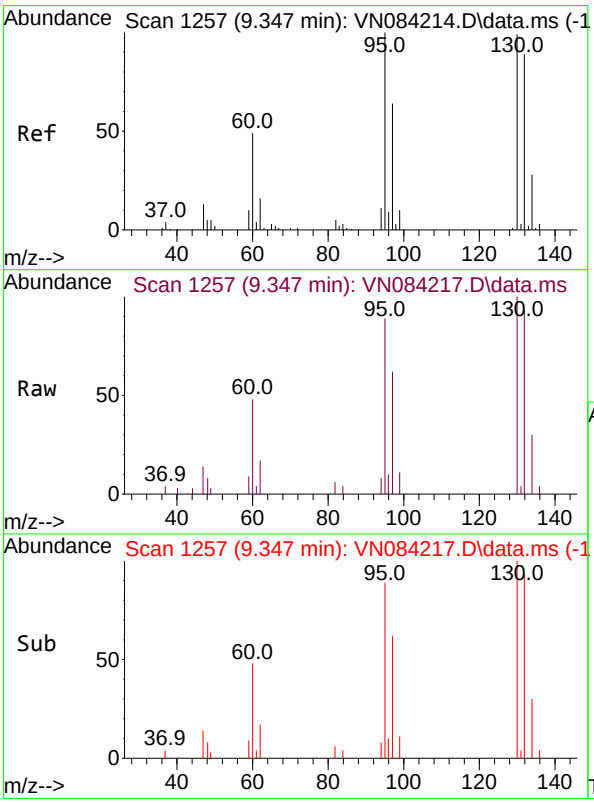
#43
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

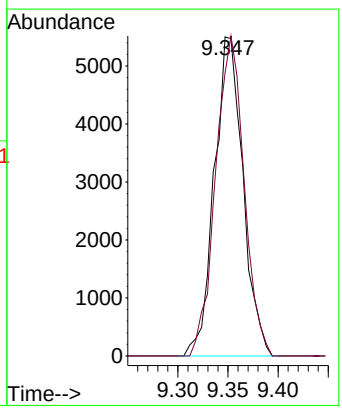


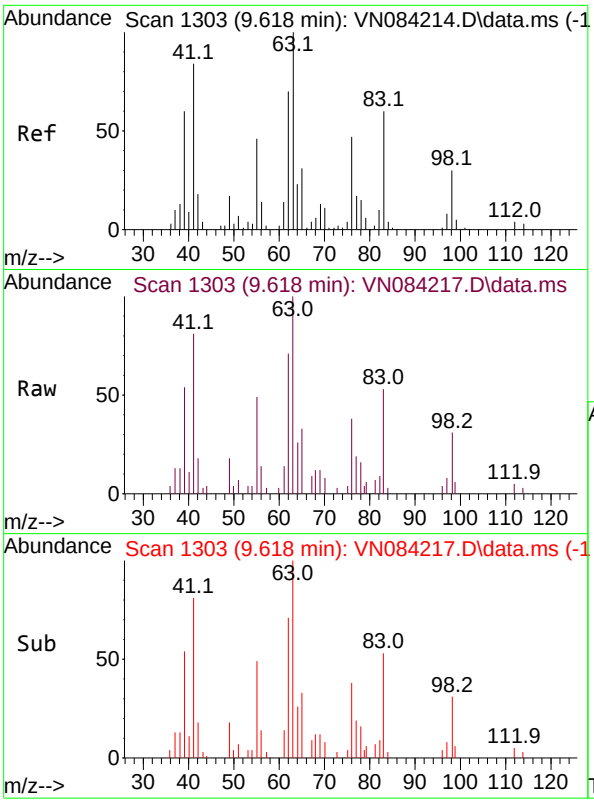


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0



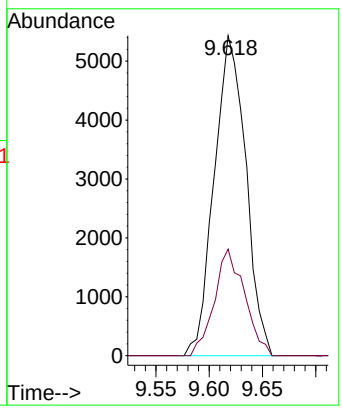


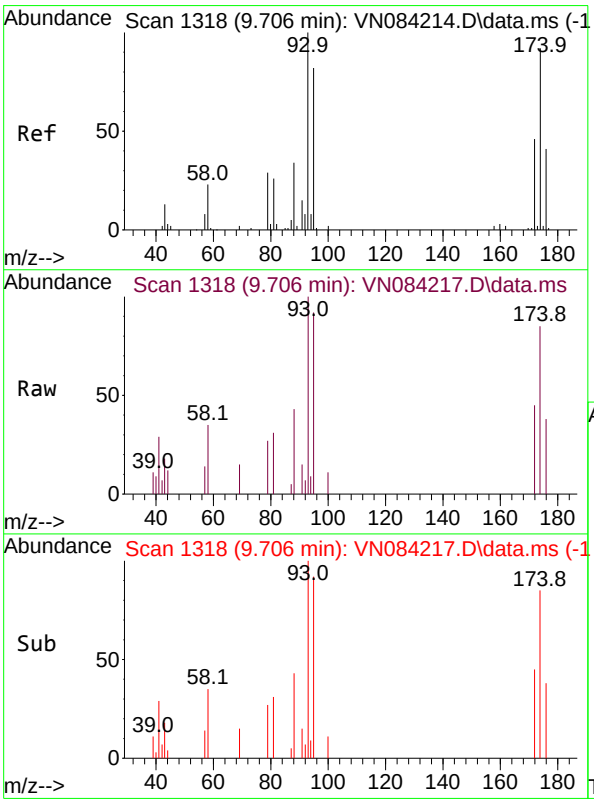
#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11181

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0

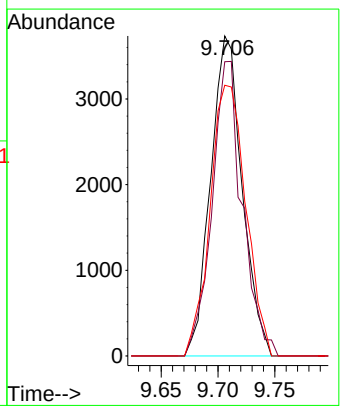


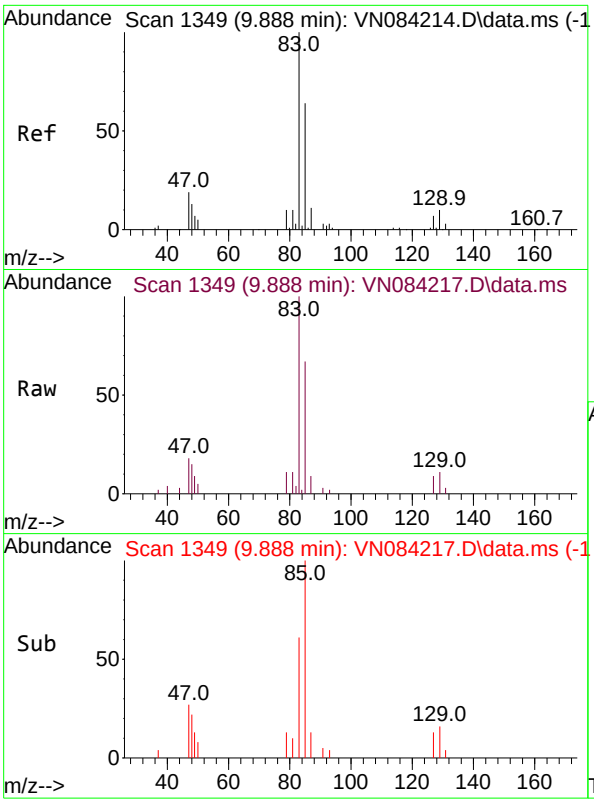


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



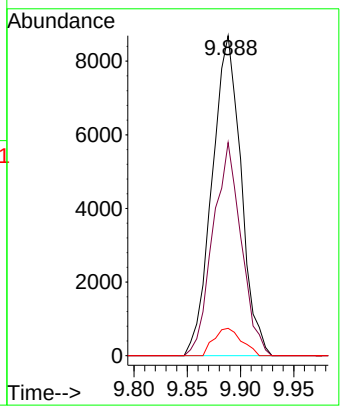


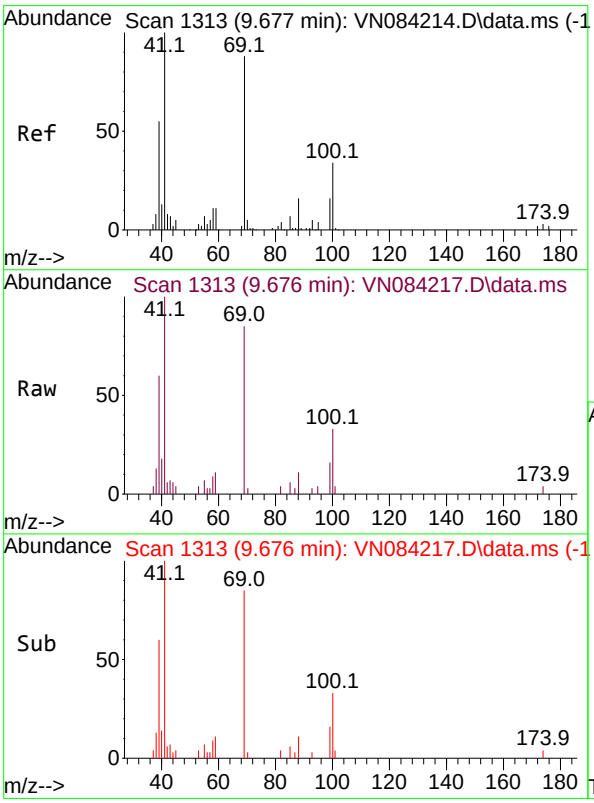
#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

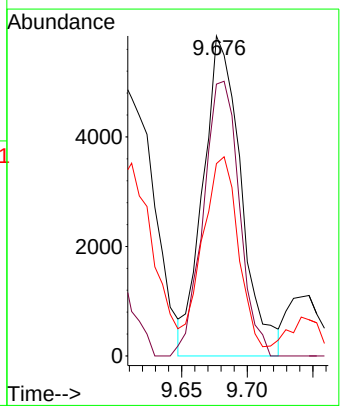


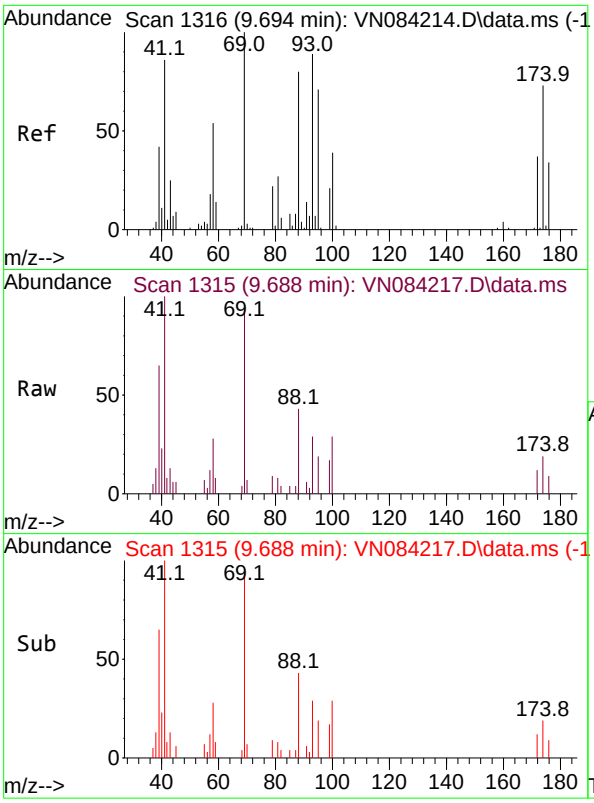


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



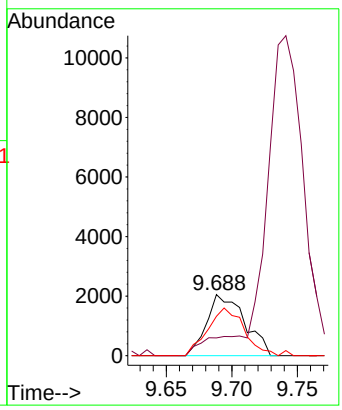


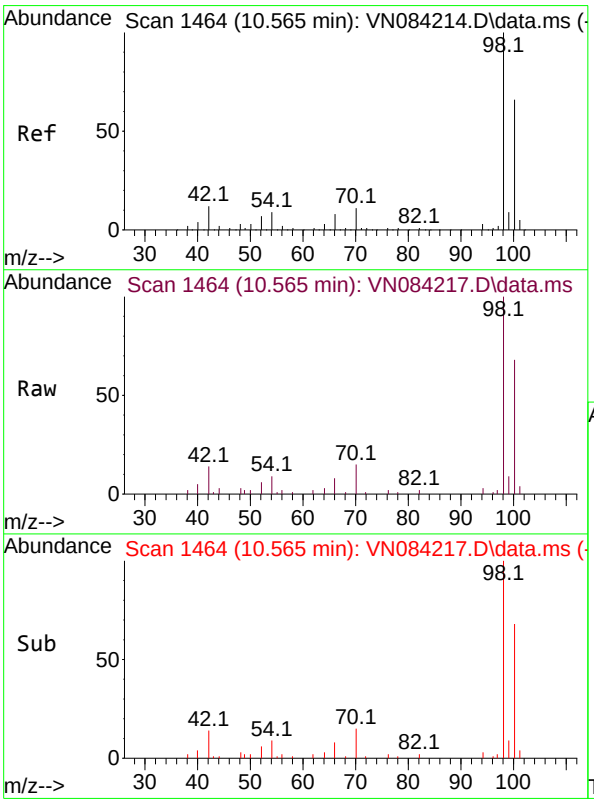
#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

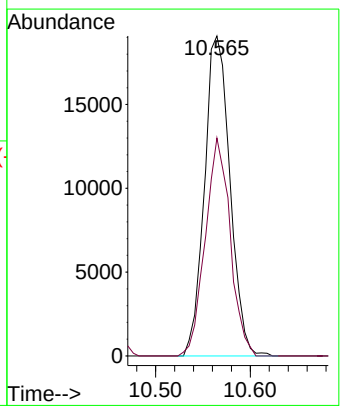


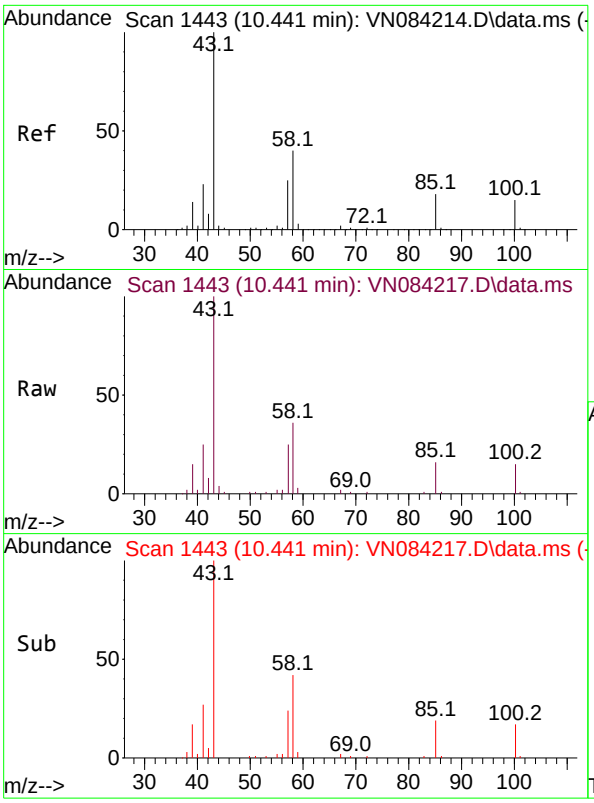


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1



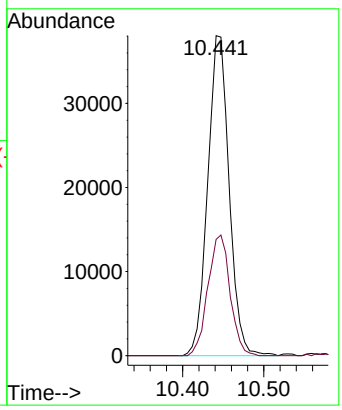


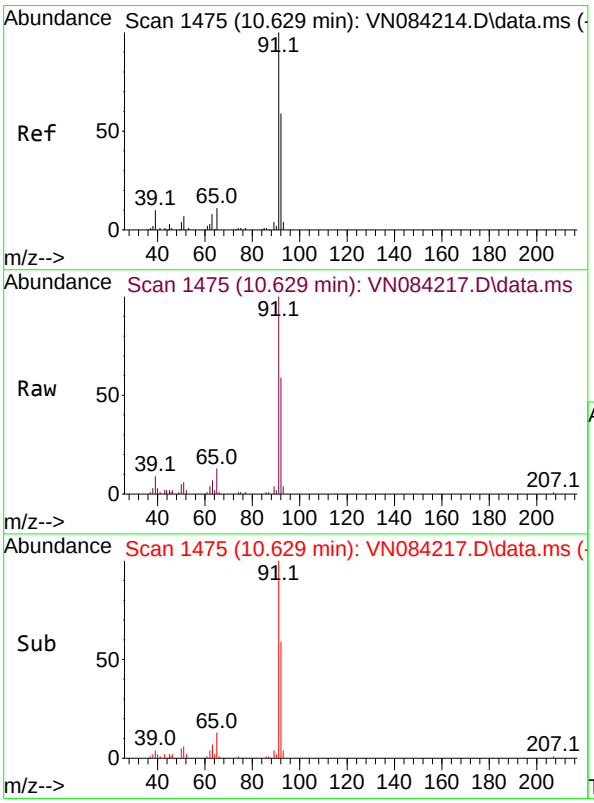
#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 69730

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4

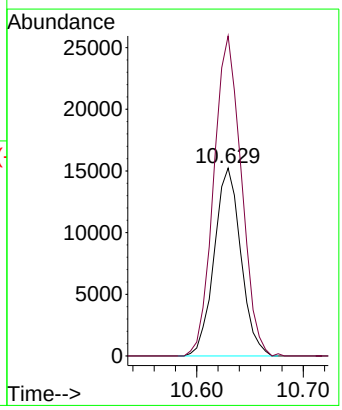


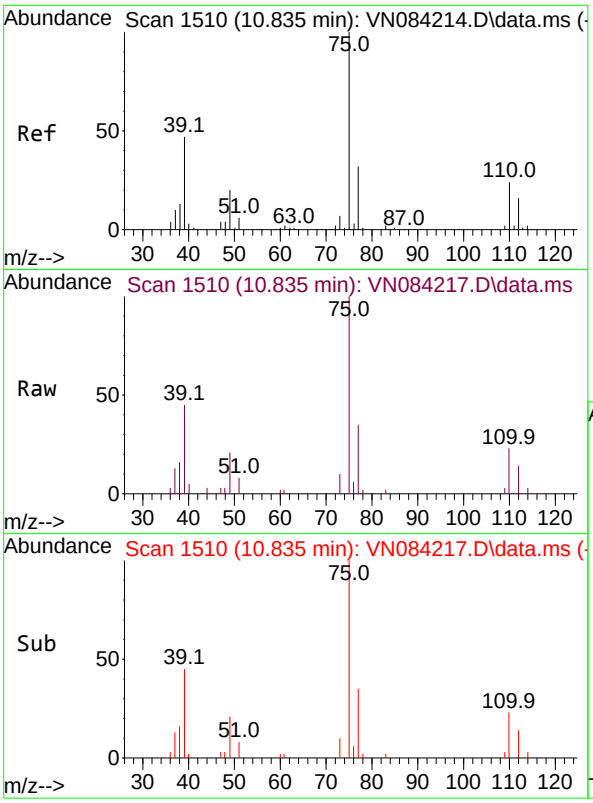


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9



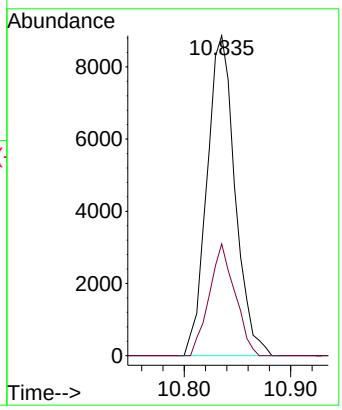


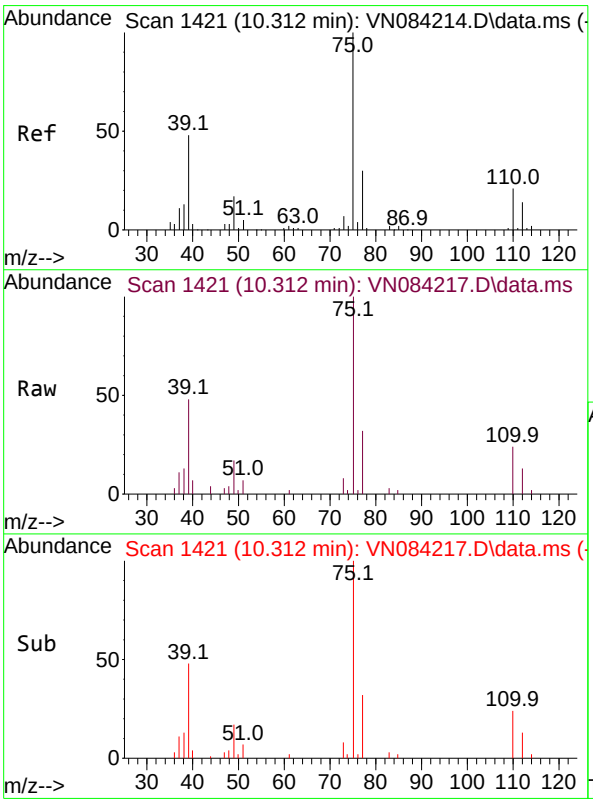
#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16242

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0

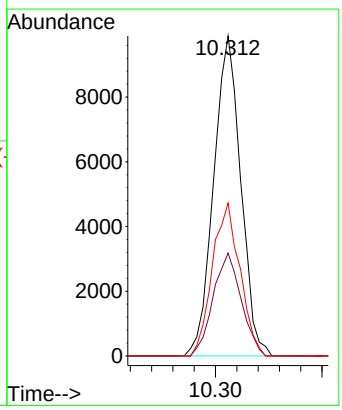


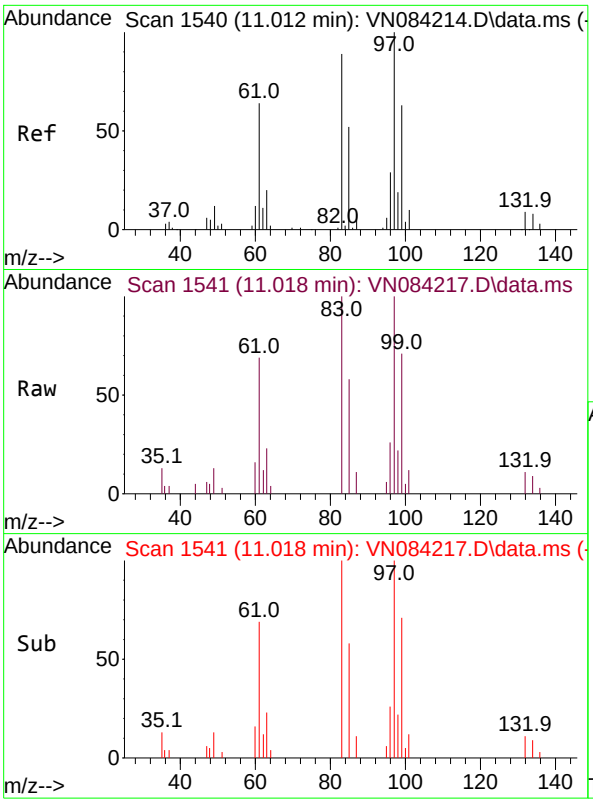


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



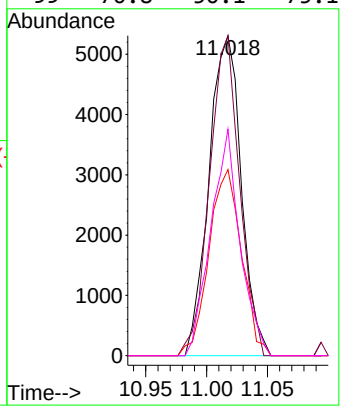


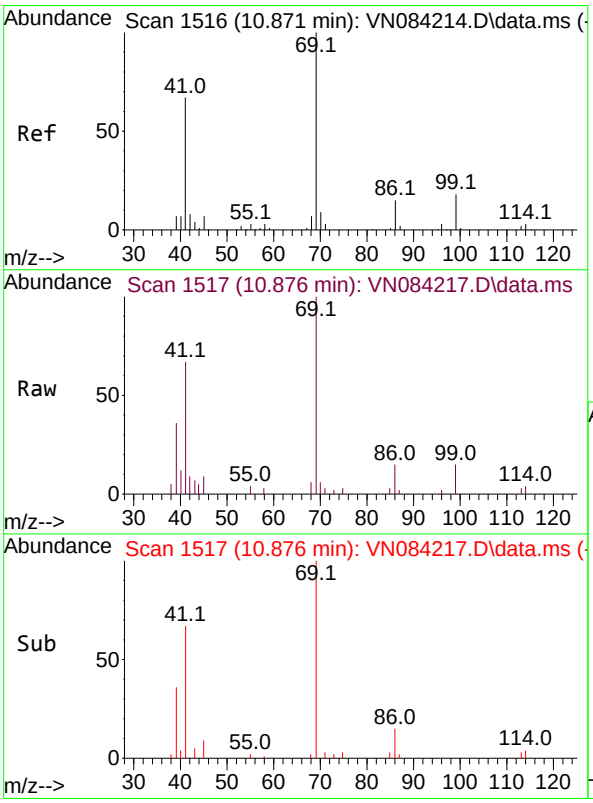
#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

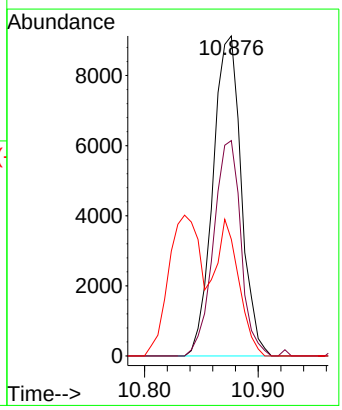


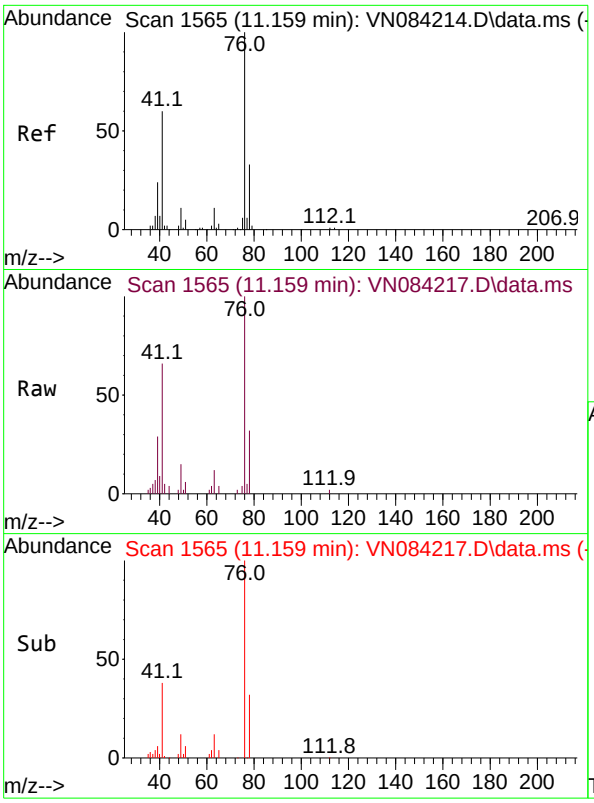


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



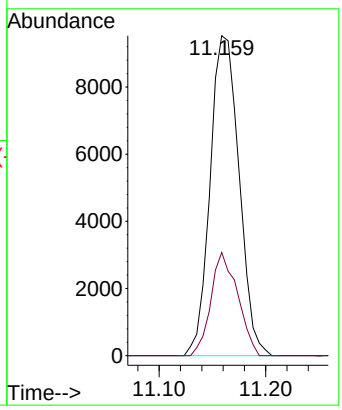


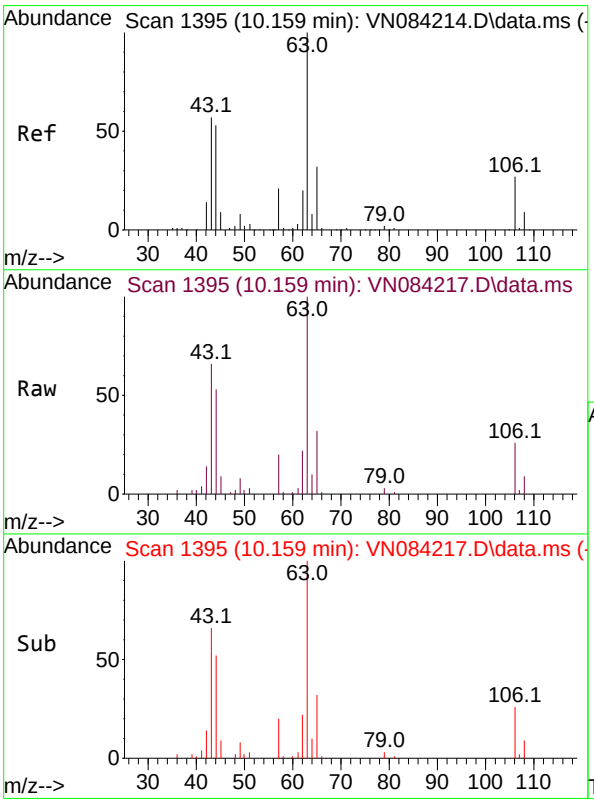
#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17954

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

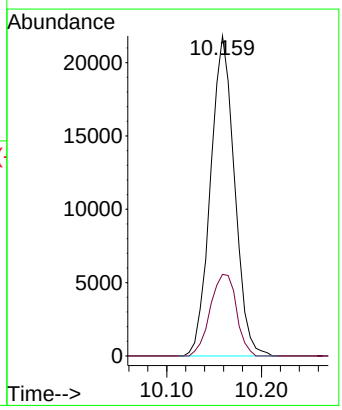


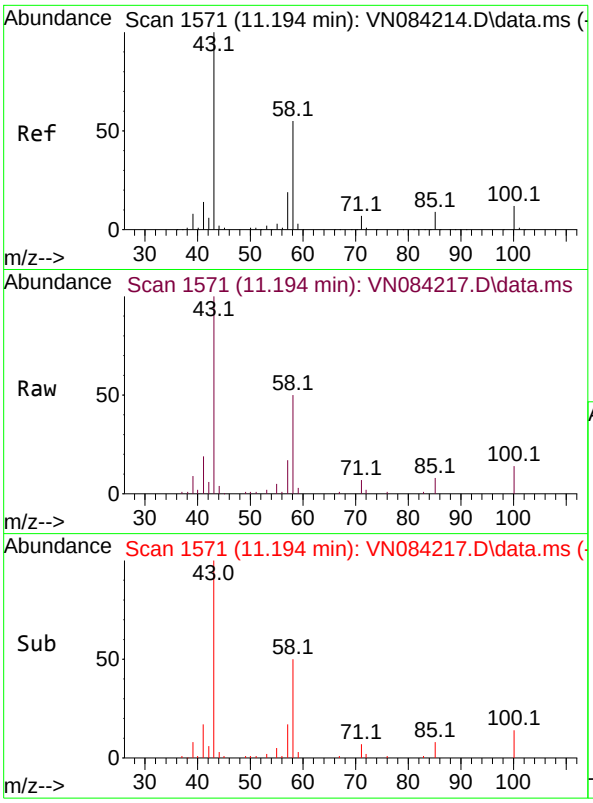


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6



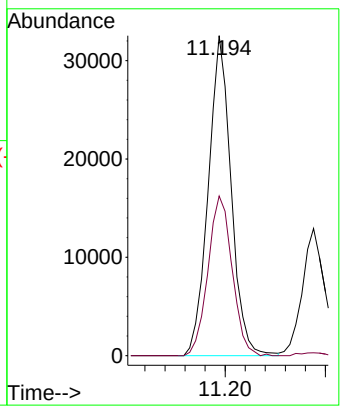


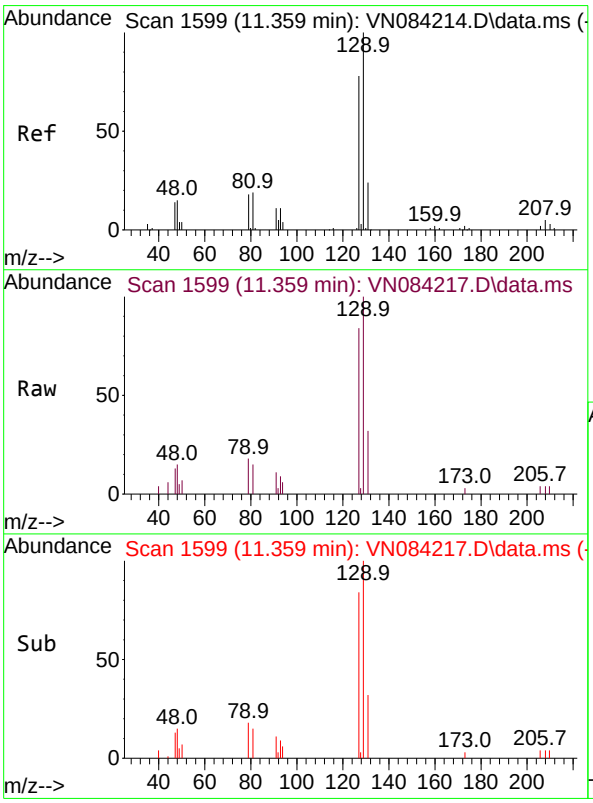
#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 51488

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8

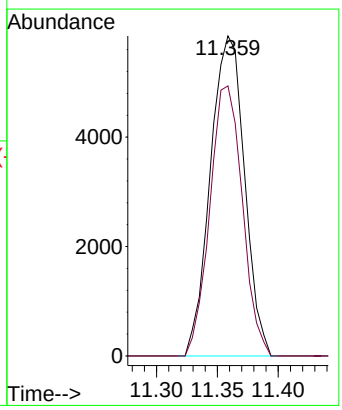


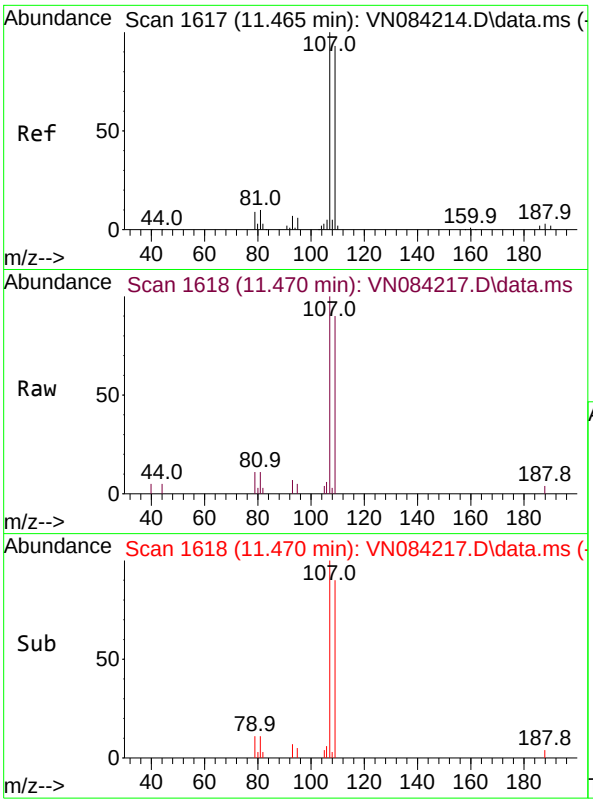


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9



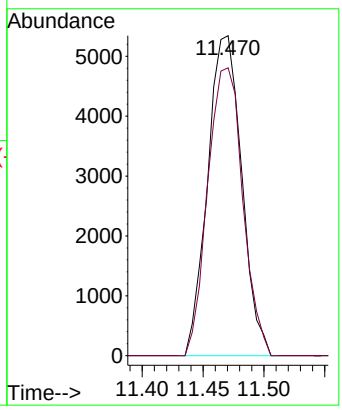


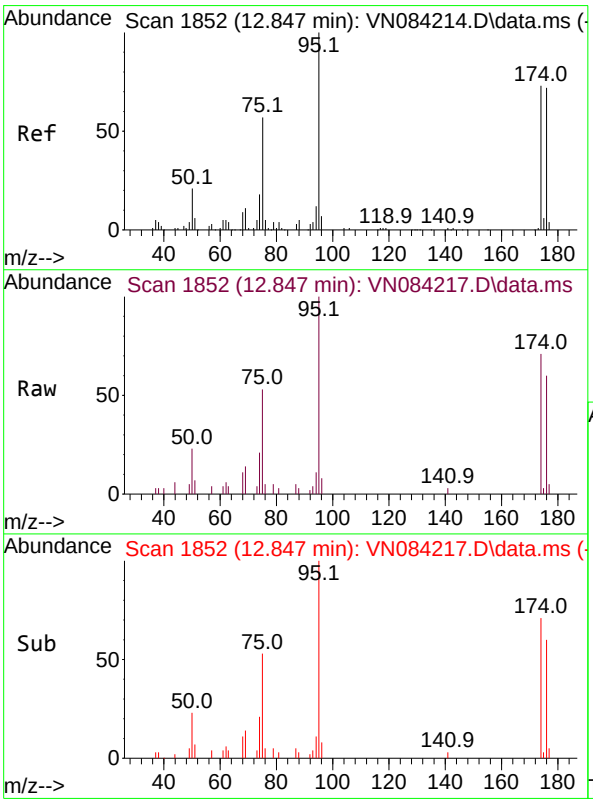
#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10394

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0

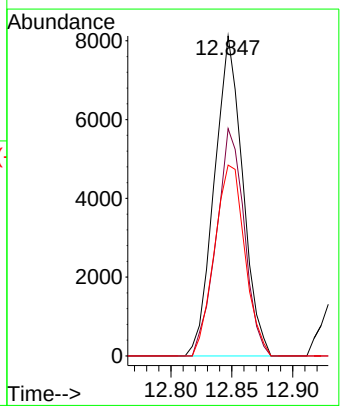


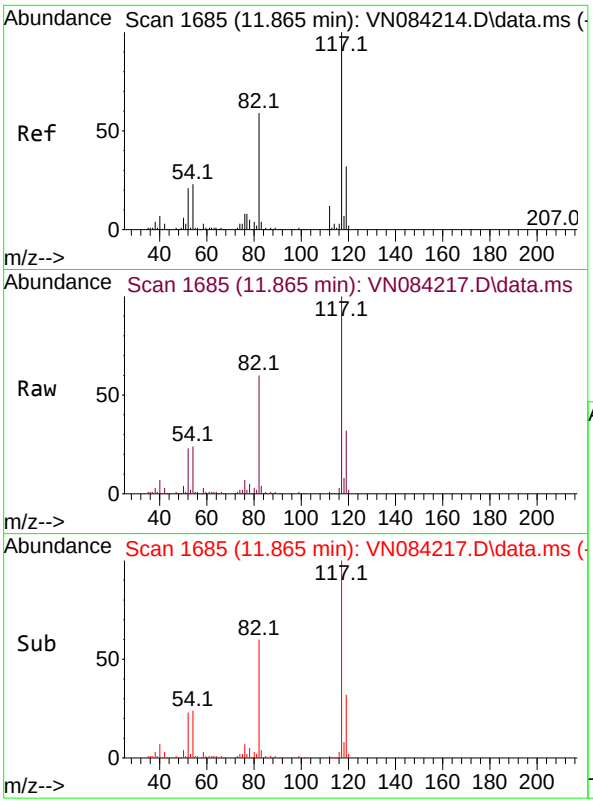


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



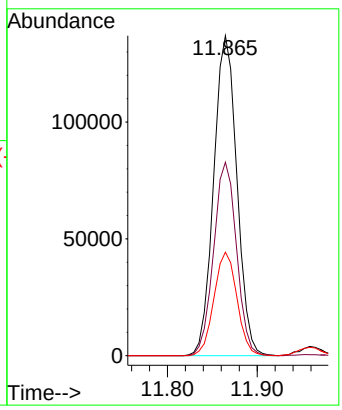


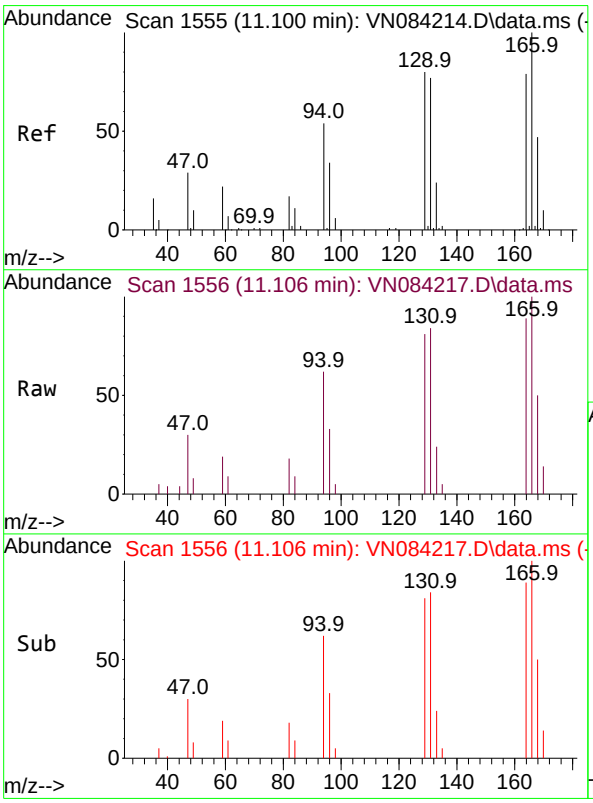
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

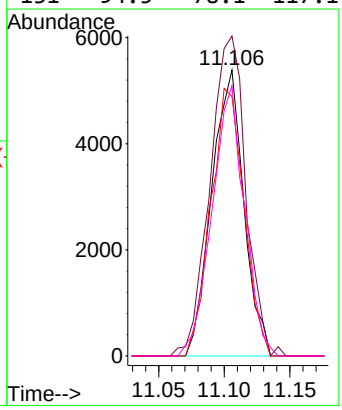


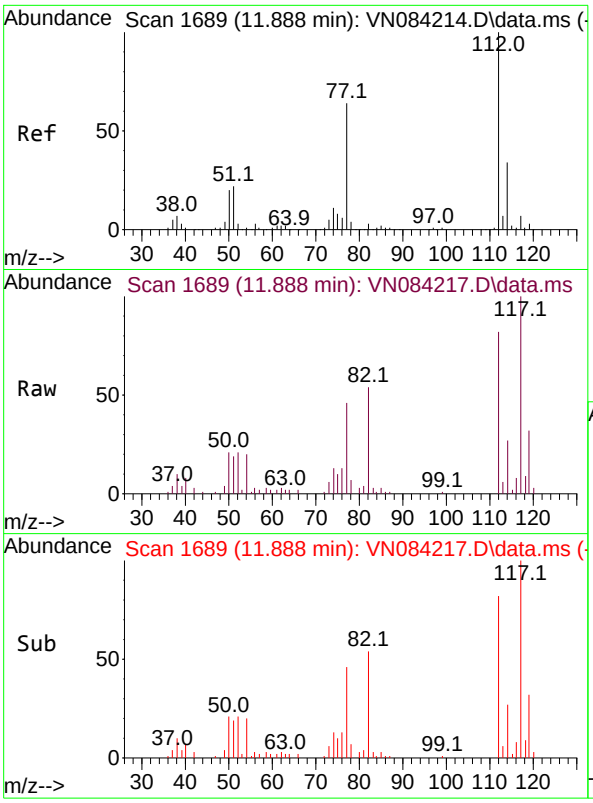


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



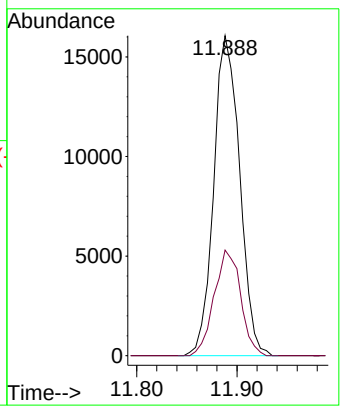


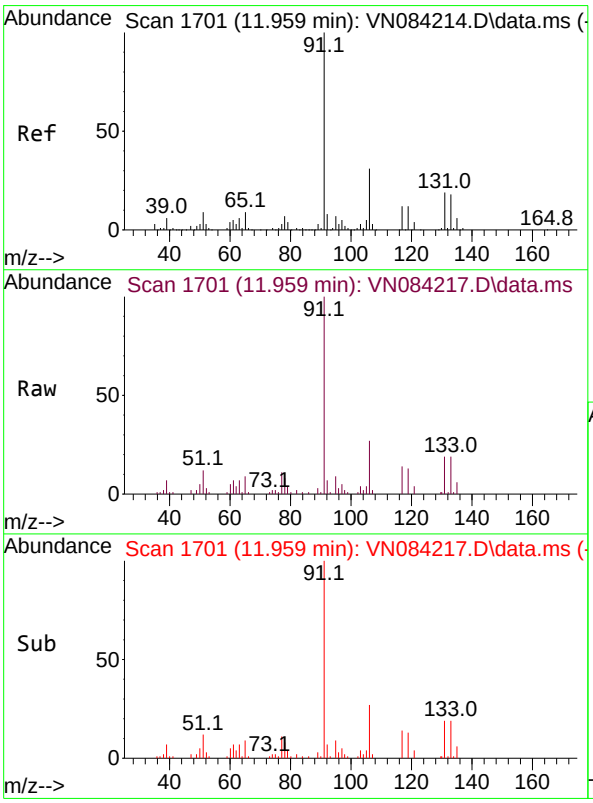
#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 28818

Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6

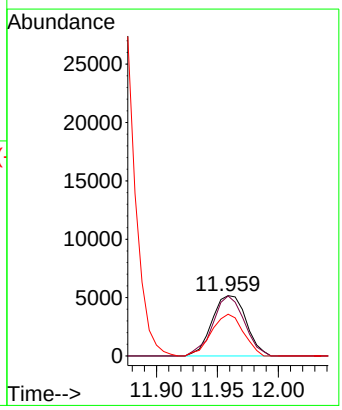


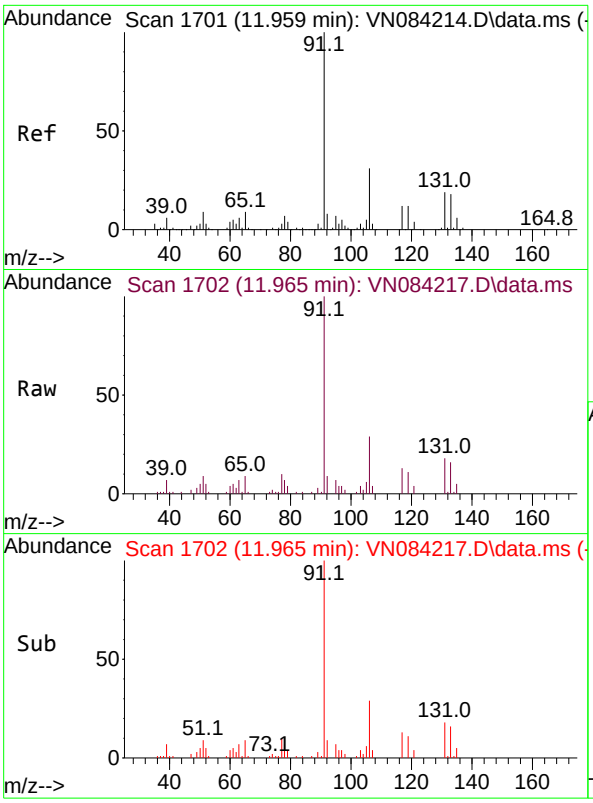


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



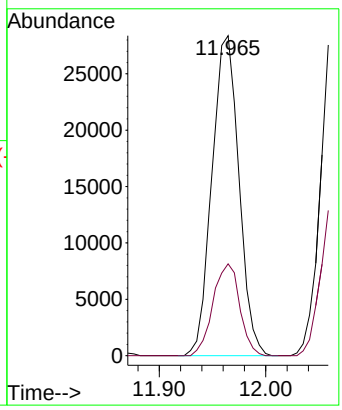


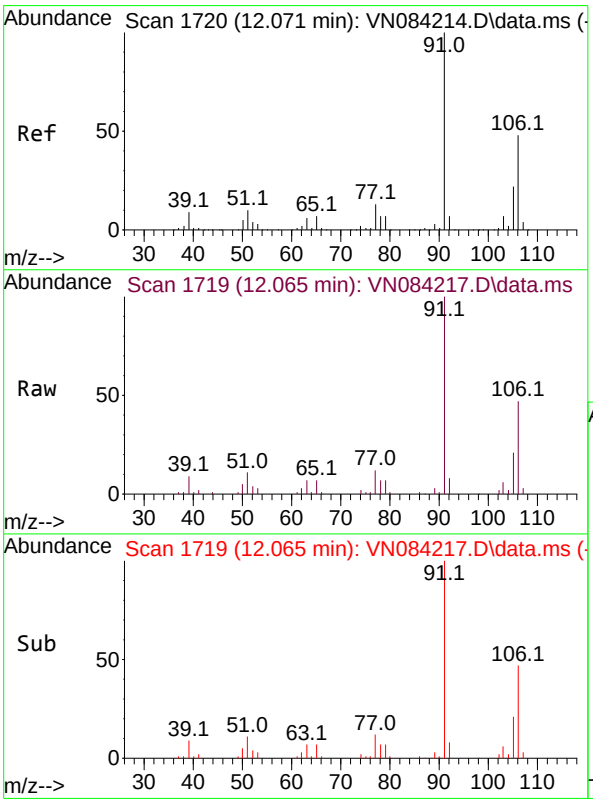
#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 49891

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7

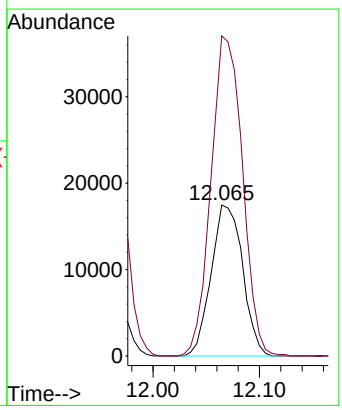


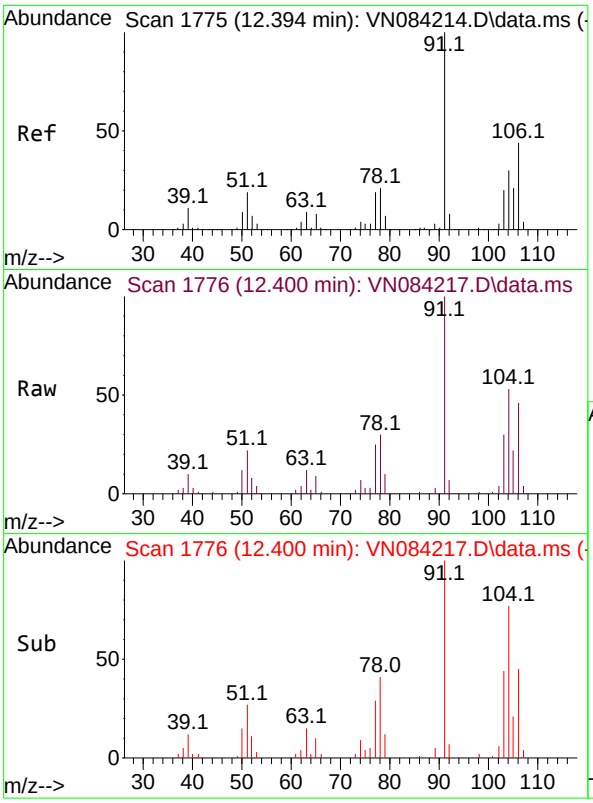


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7



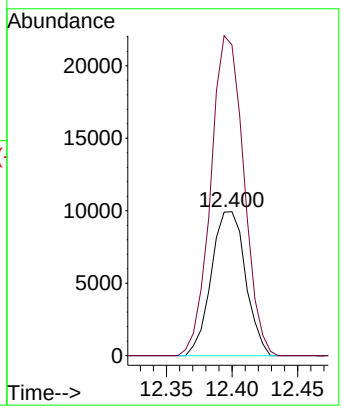


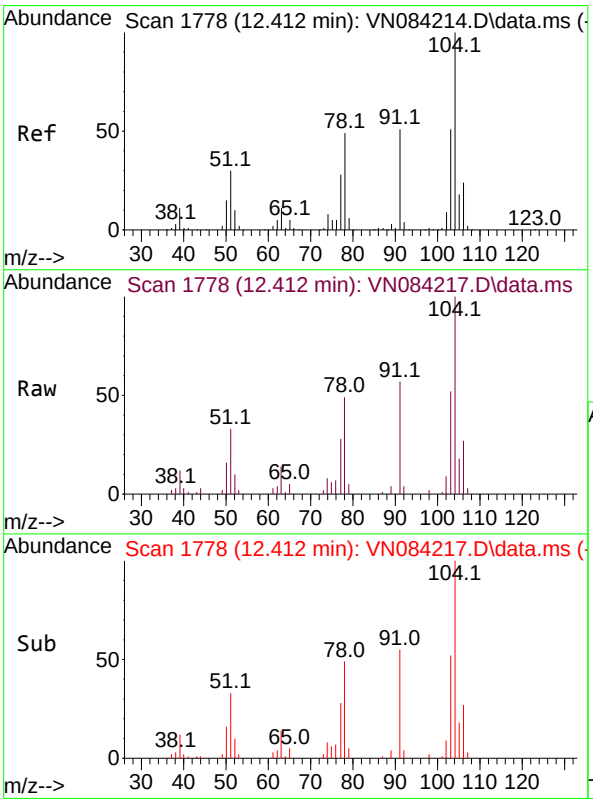
#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 18041

Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6

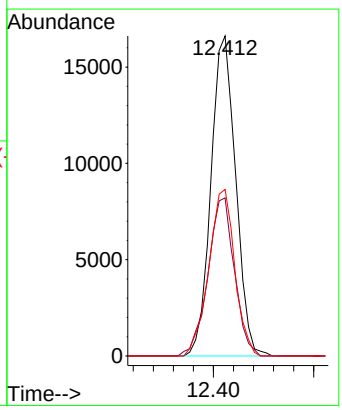


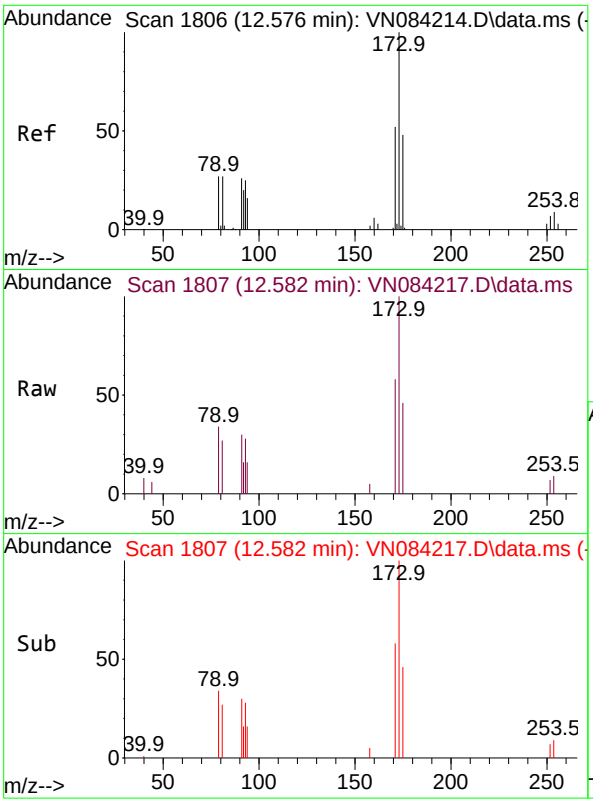


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



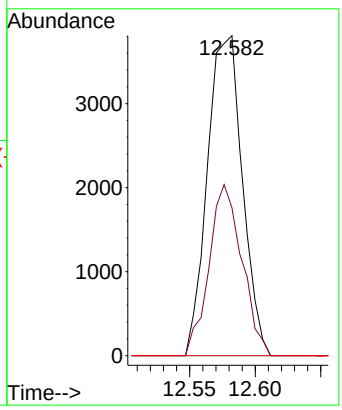


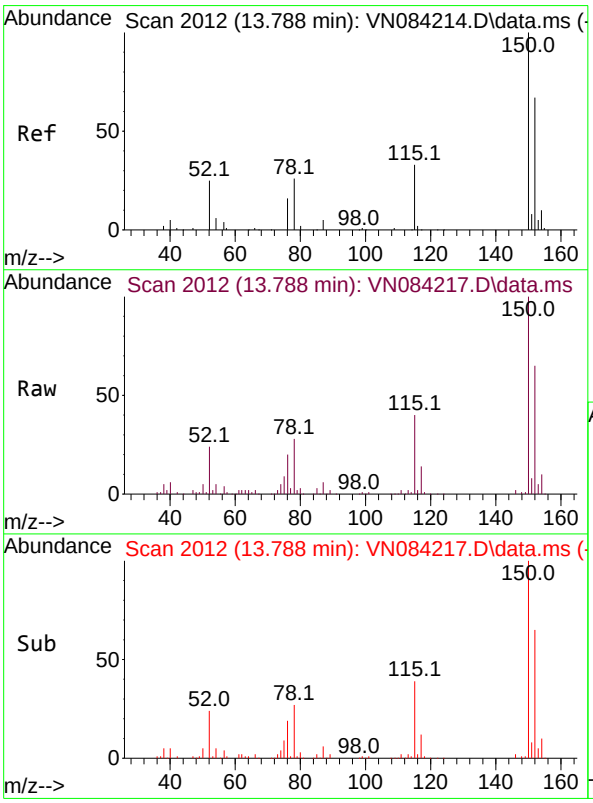
#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

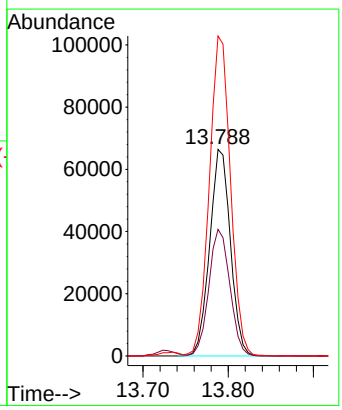


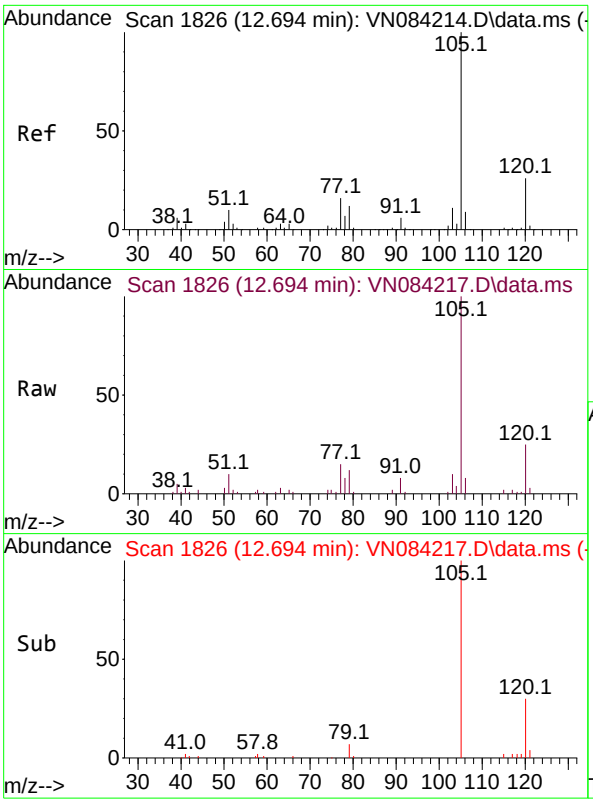


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



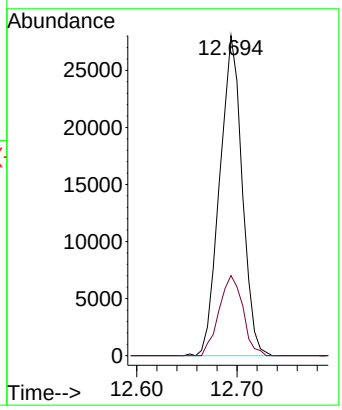


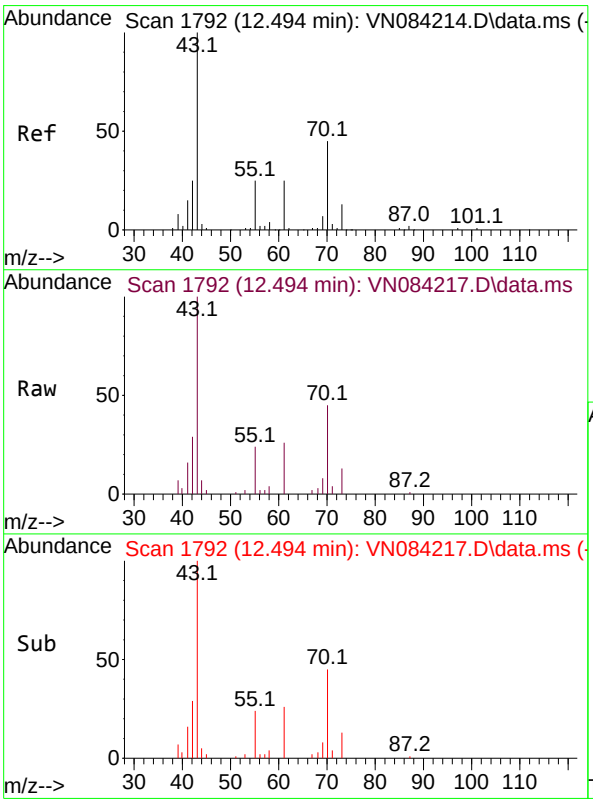
#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 43468

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

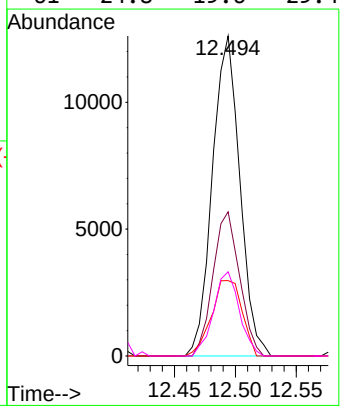


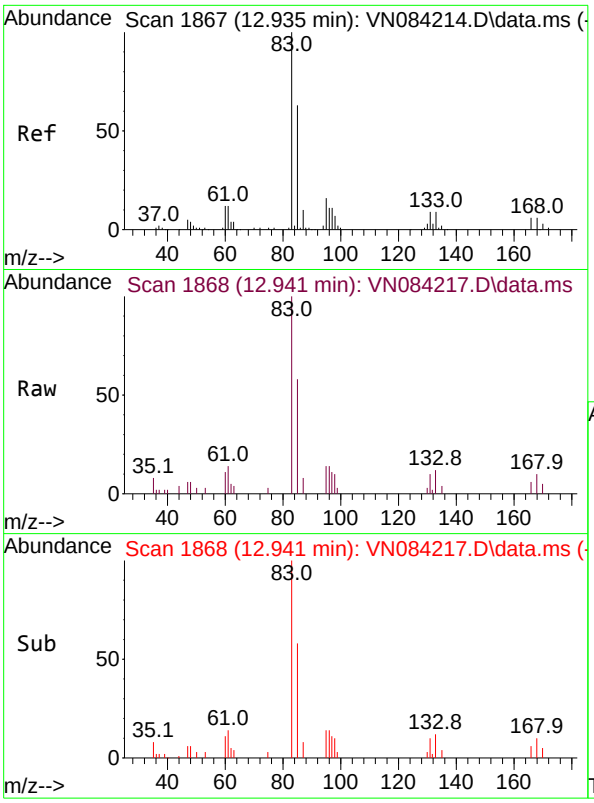


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



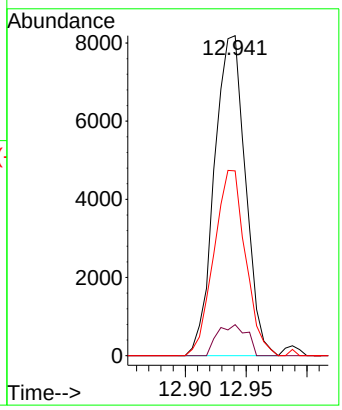


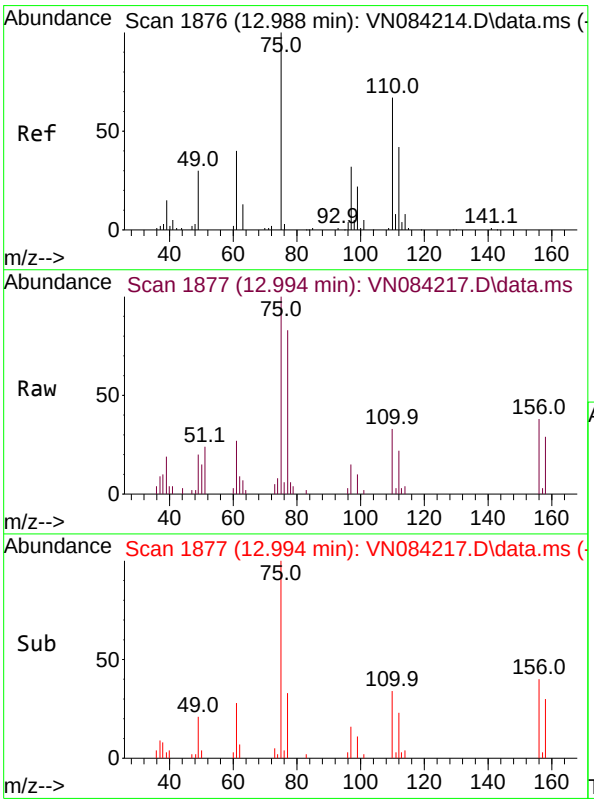
#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

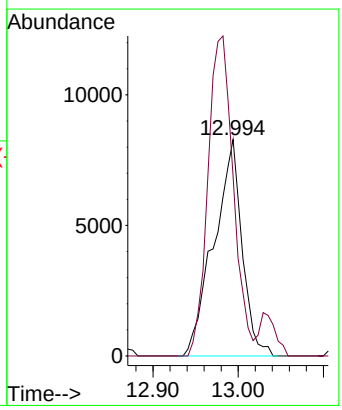


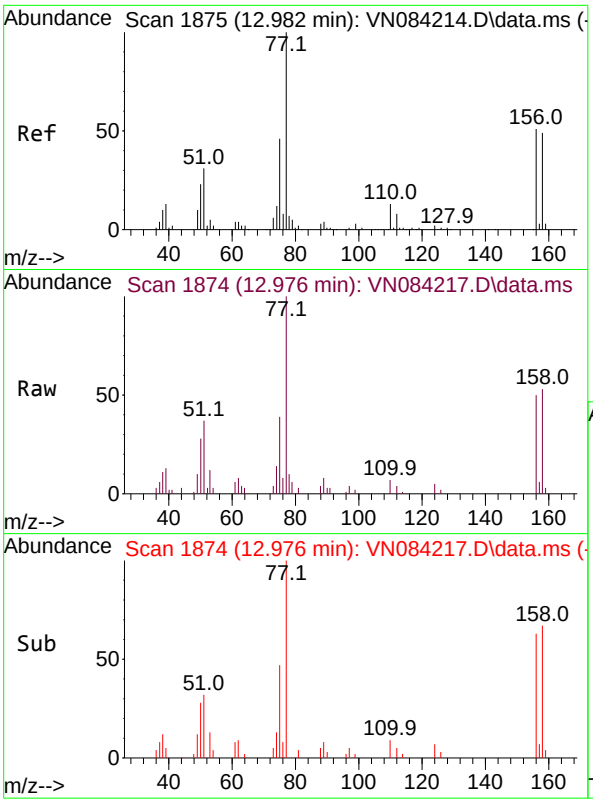


#76
1,2,3-Trichloropropane
Concen: 8.493 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 19041

Ion	Ratio	Lower	Upper
75	100		
77	133.3	96.9	290.7



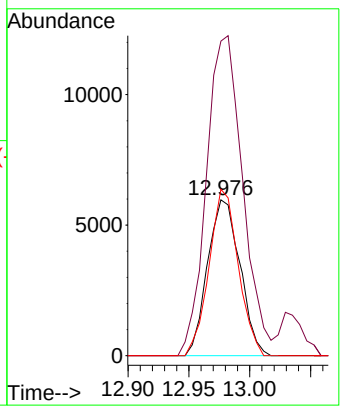


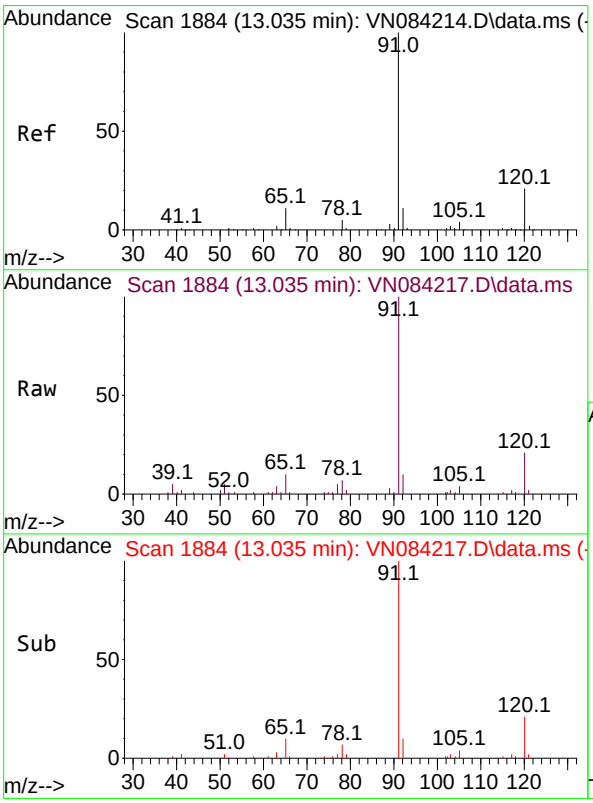
#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

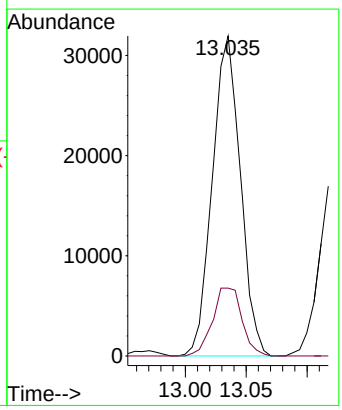


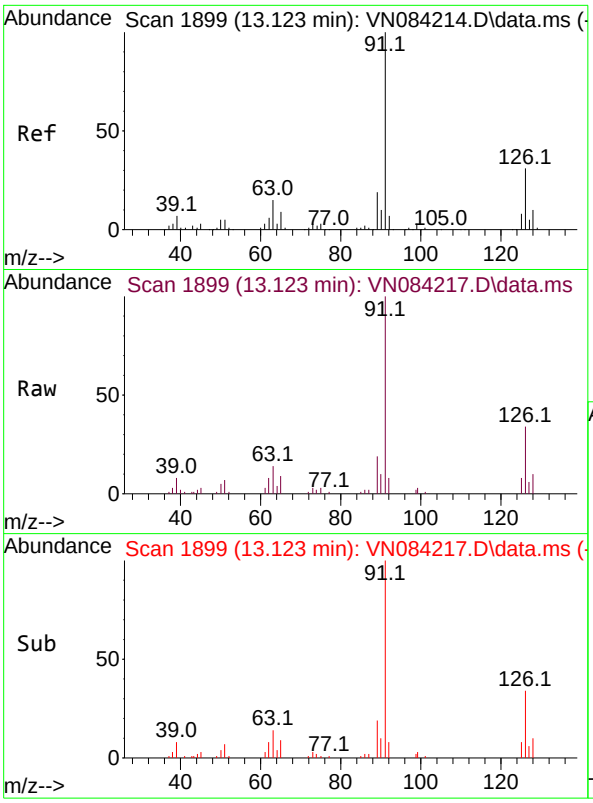


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



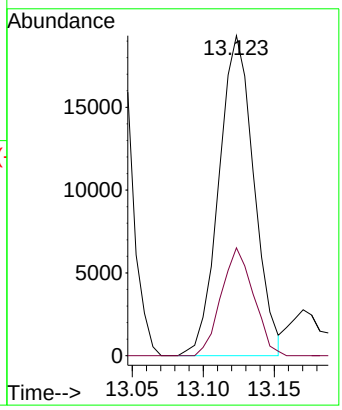


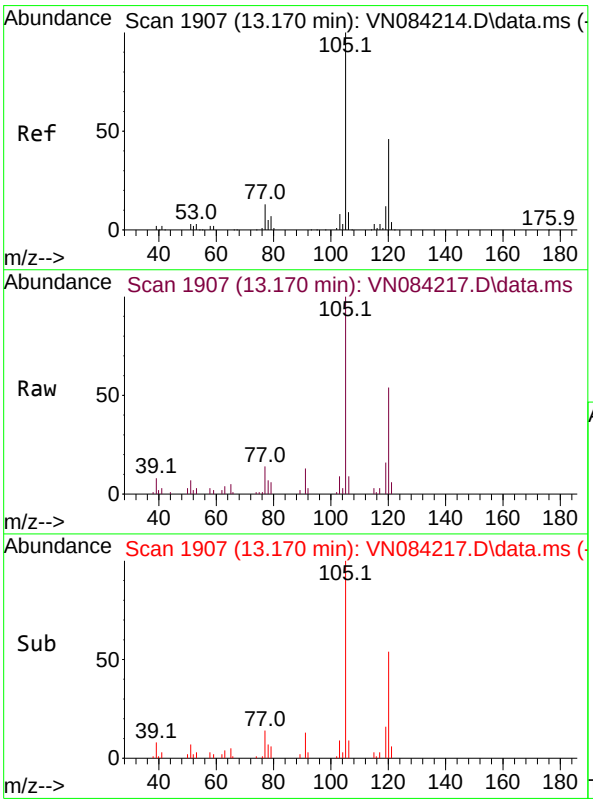
#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 33161

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

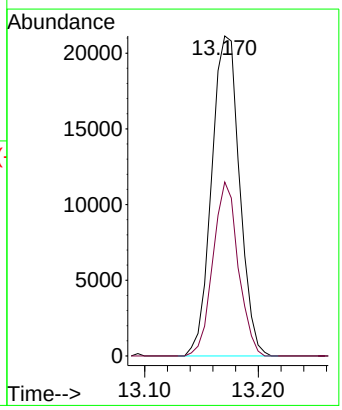


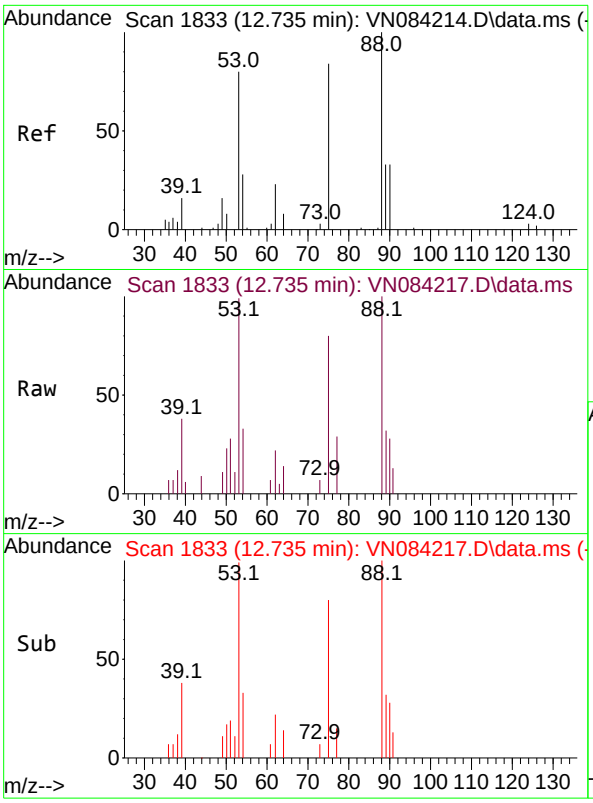


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1



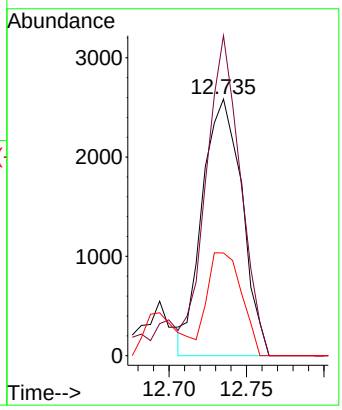


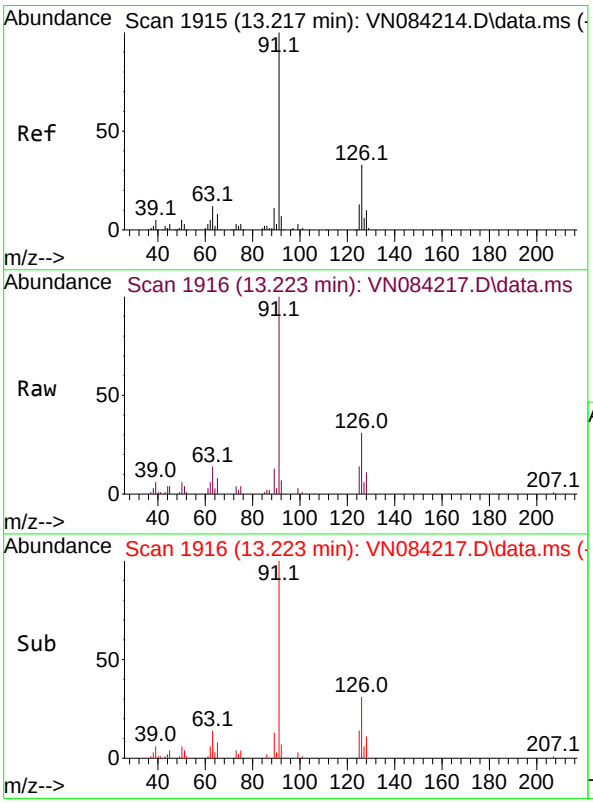
#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

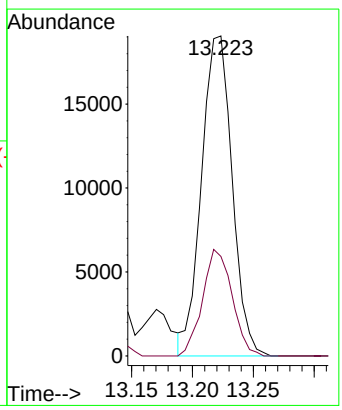


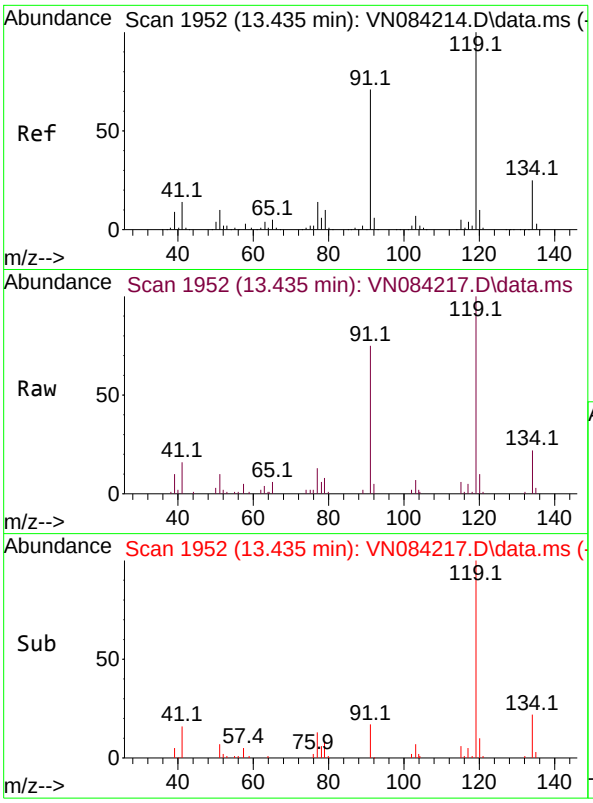


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



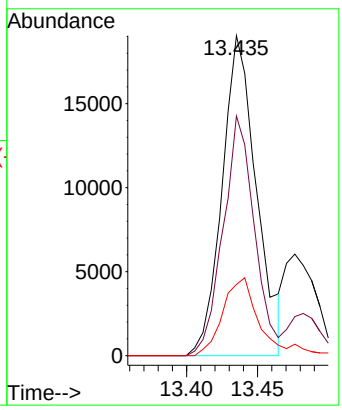


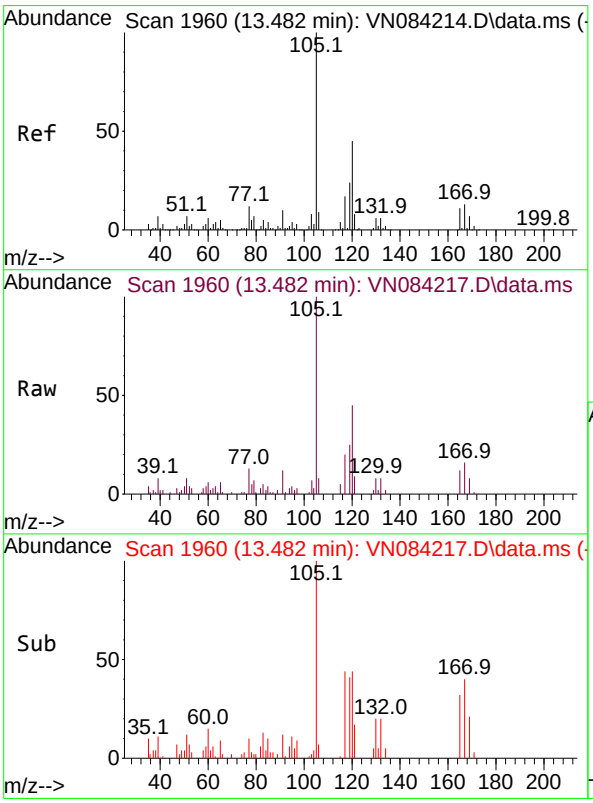
#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

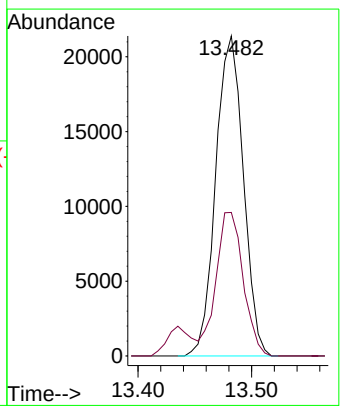


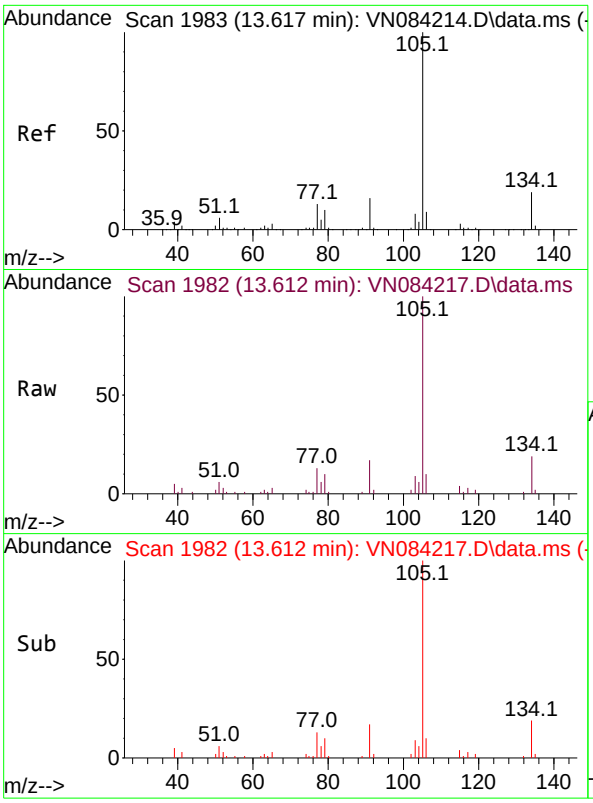


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8



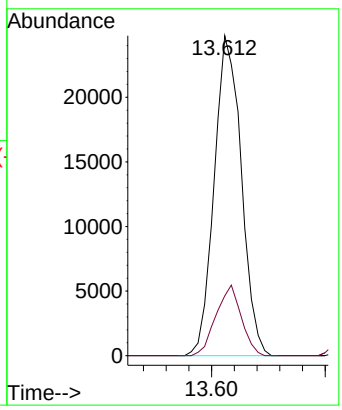


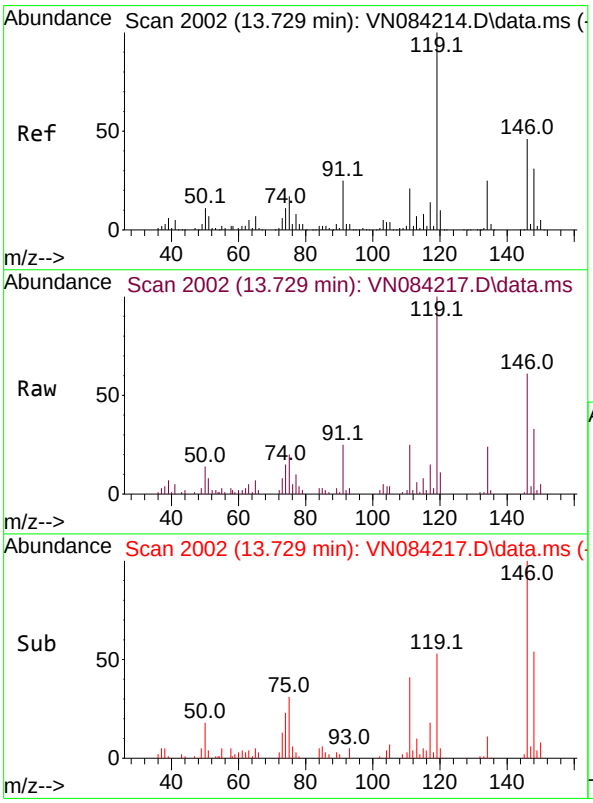
#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40954

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4

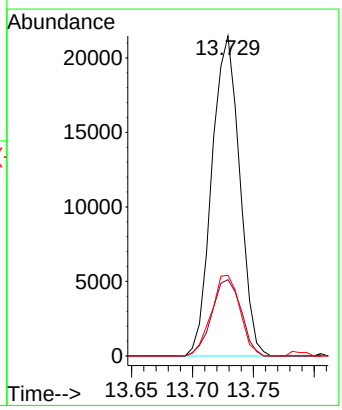


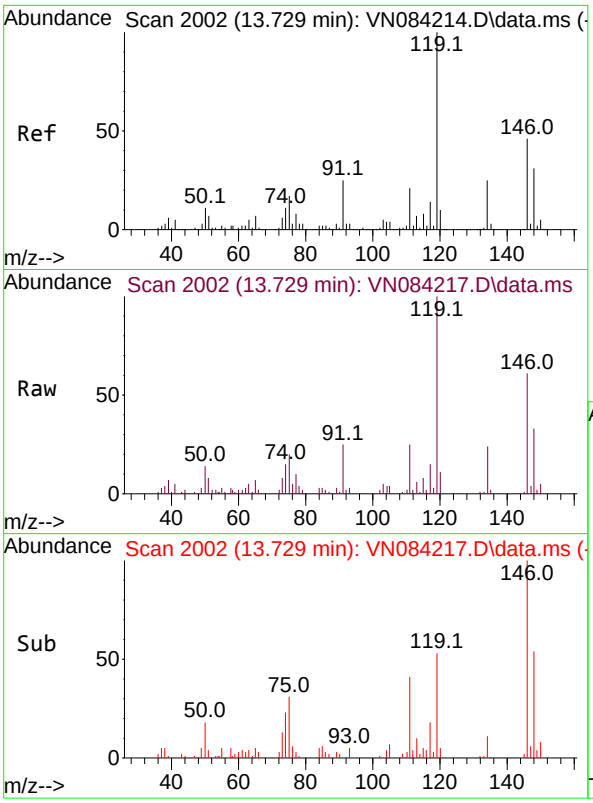


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



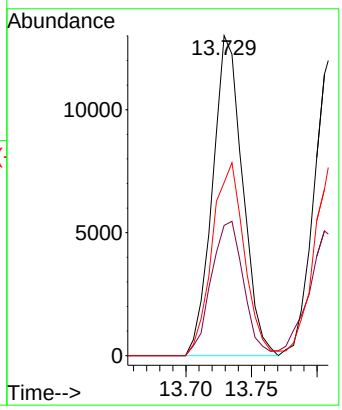


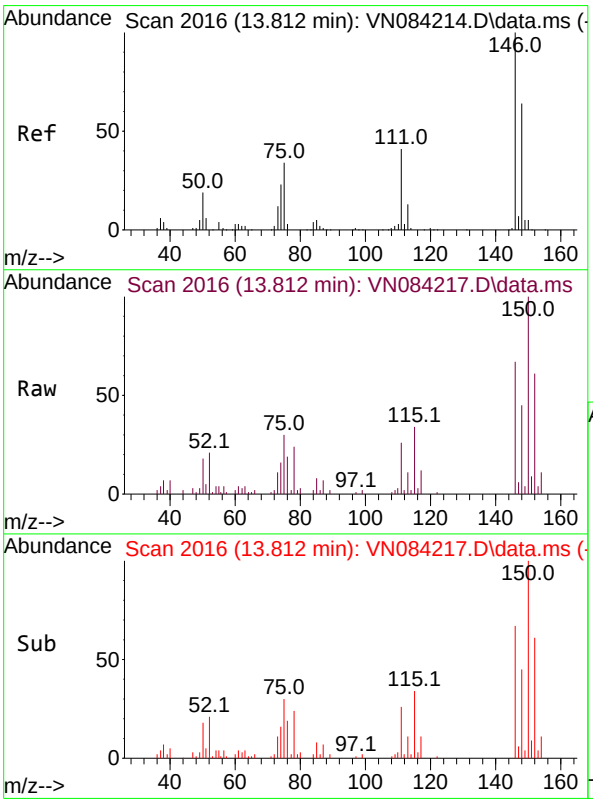
#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

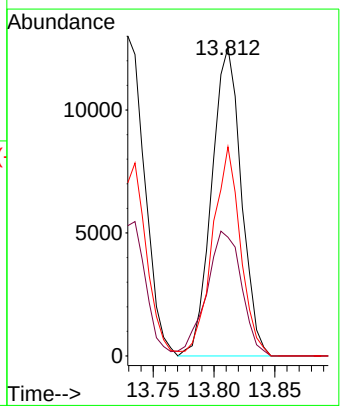


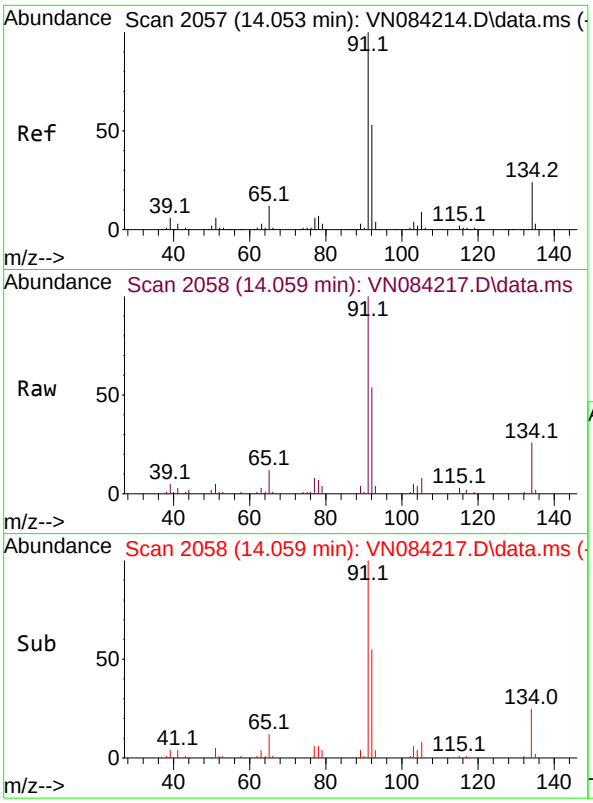


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



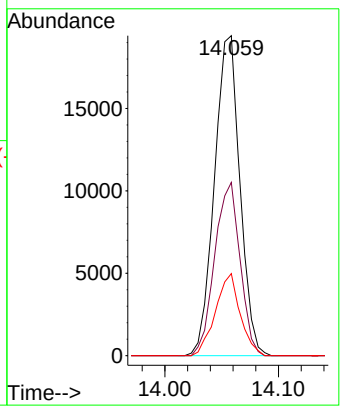


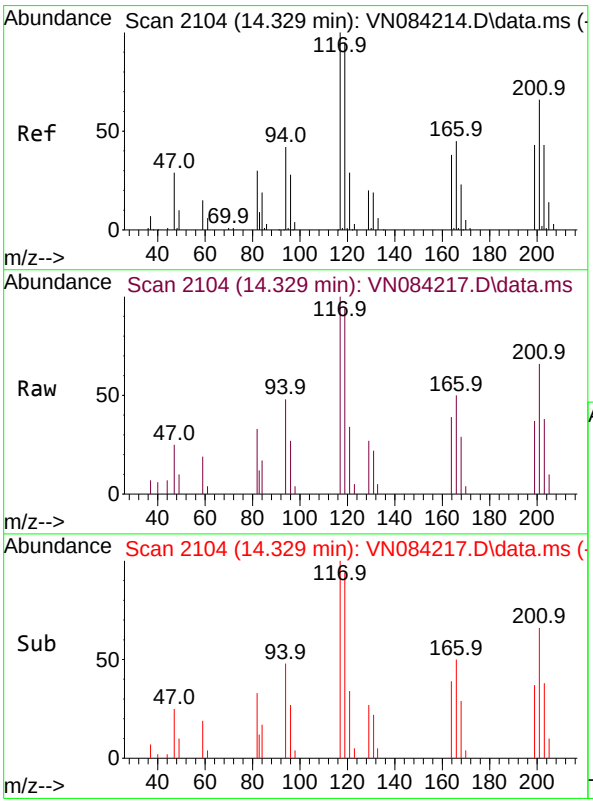
#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

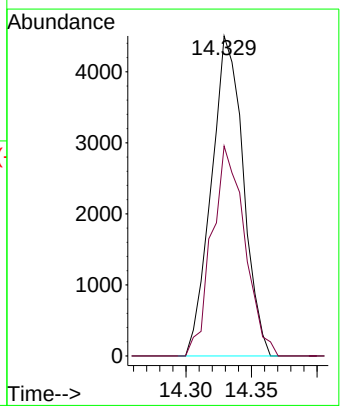


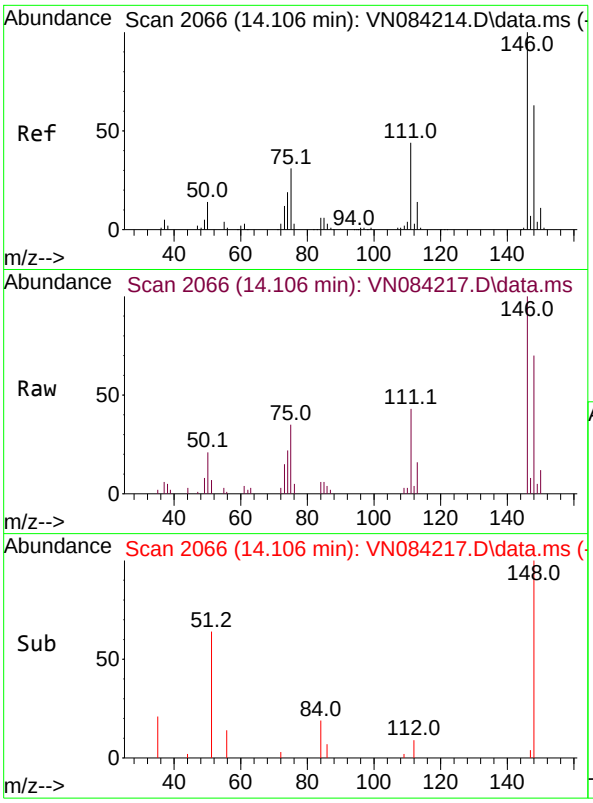


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



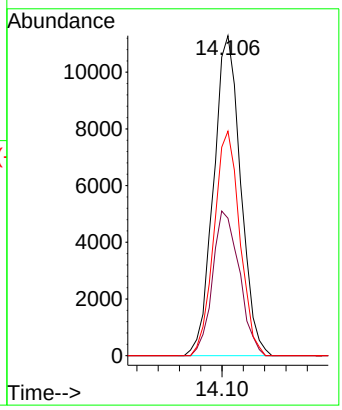


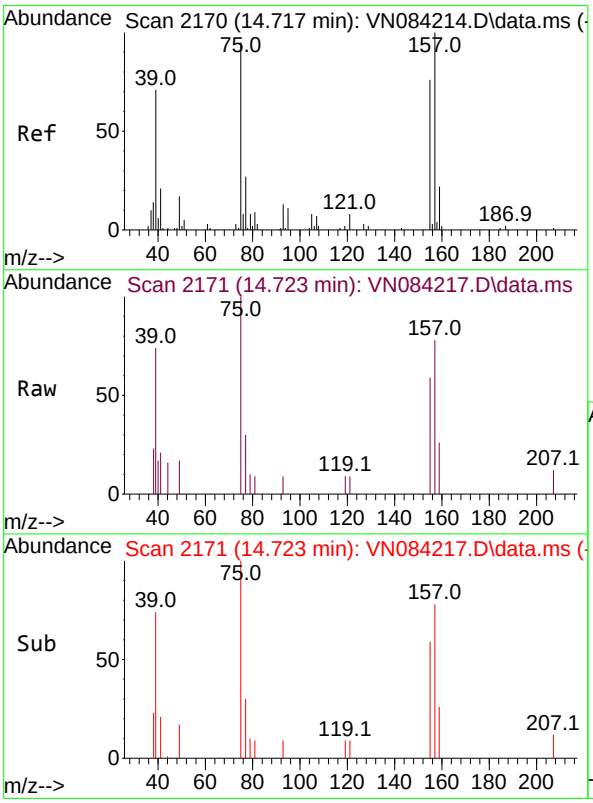
#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

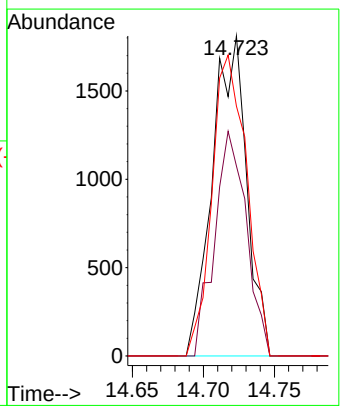


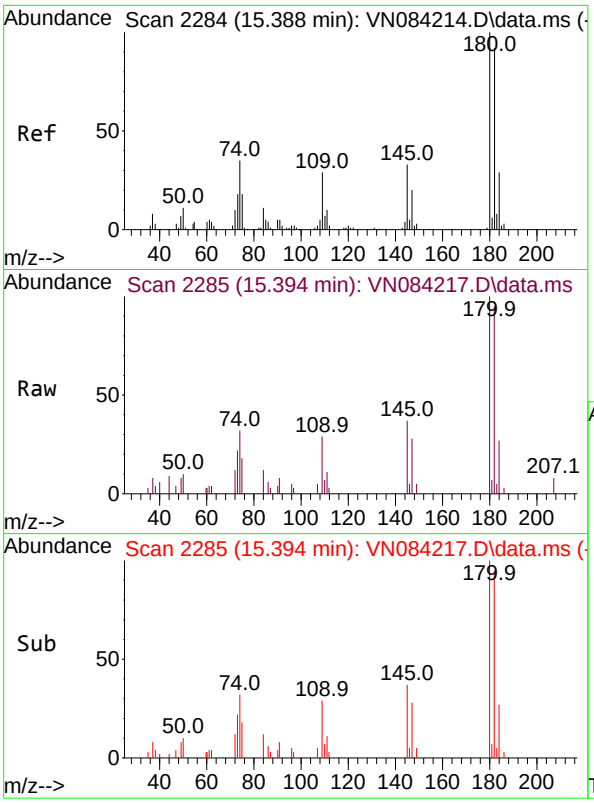


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



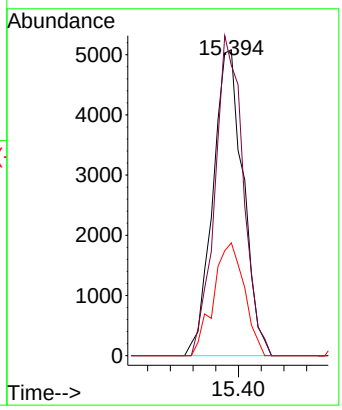


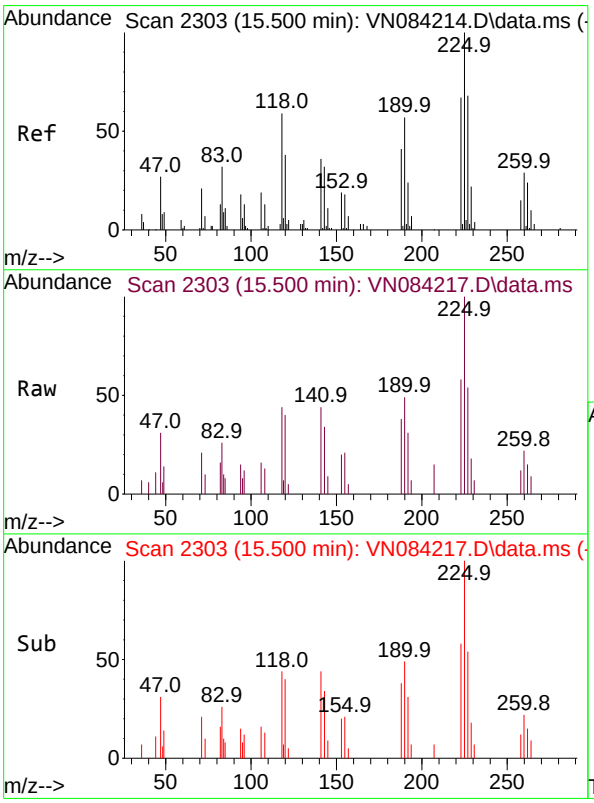
#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

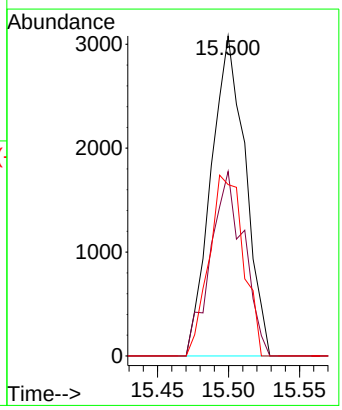


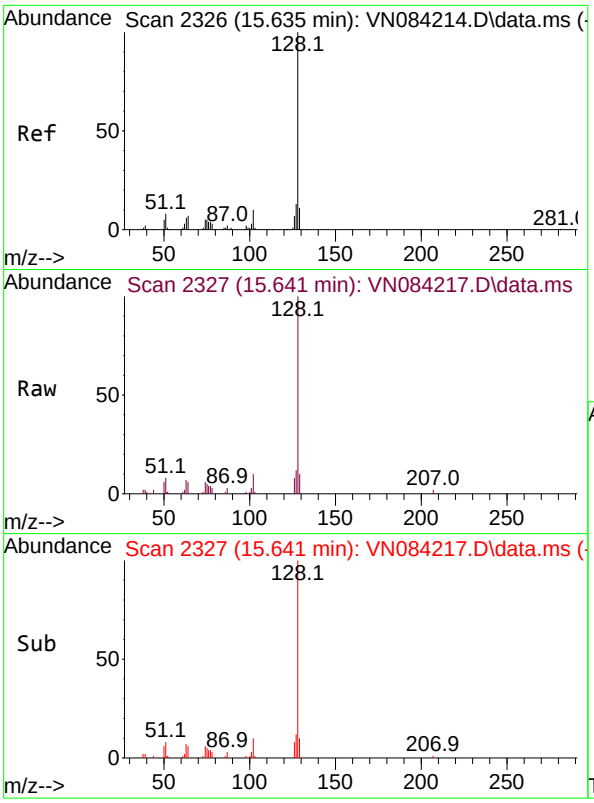


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



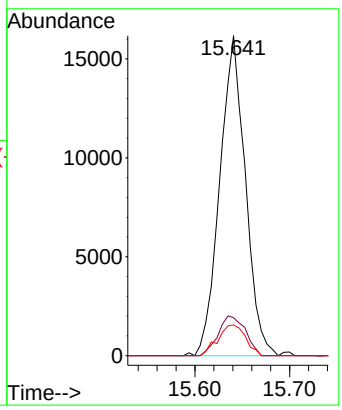


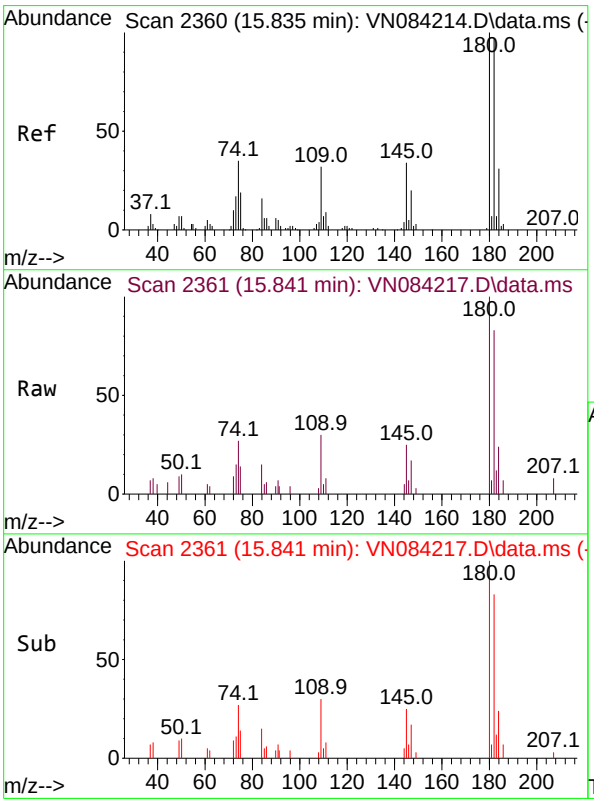
#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

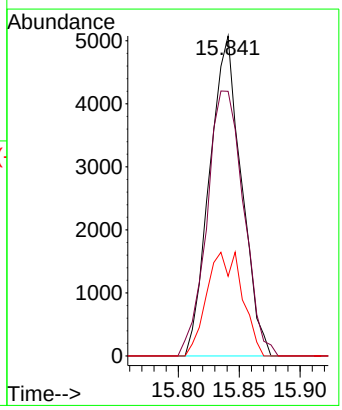




#96
1,2,3-Trichlorobenzene
Concen: 4.923 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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)

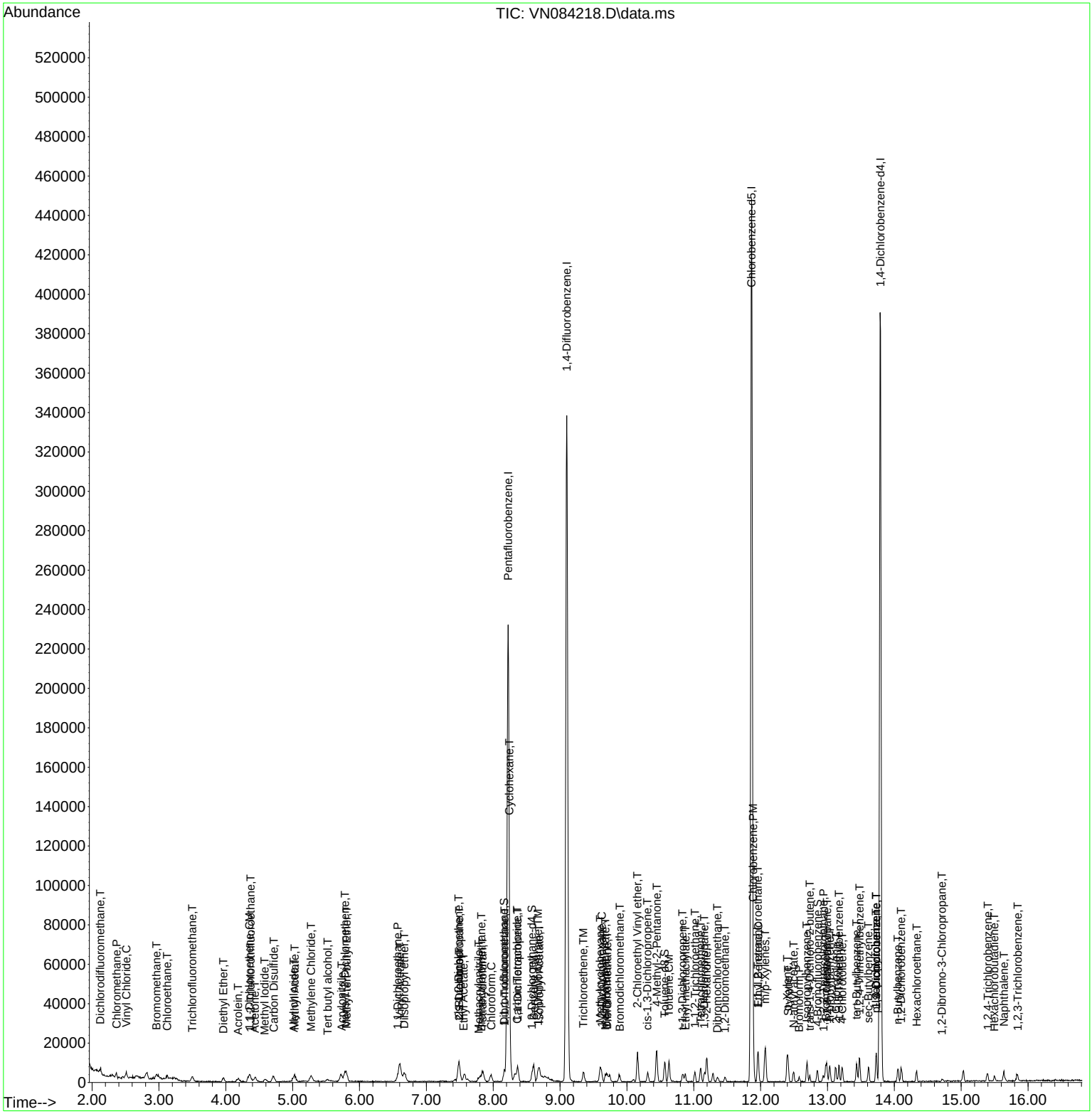
(#) = qualifier out of range (m) = manual integration (+) = signals summed

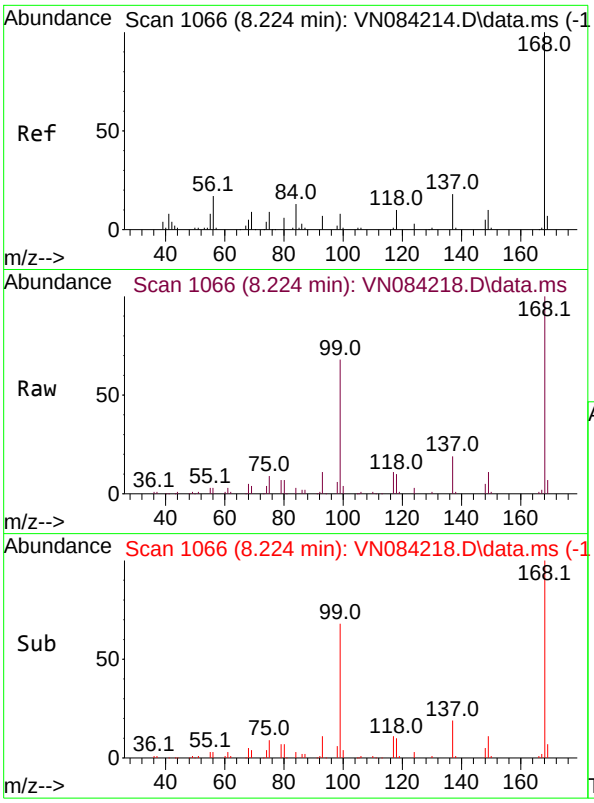
Quantitation Report (Not Reviewed)

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



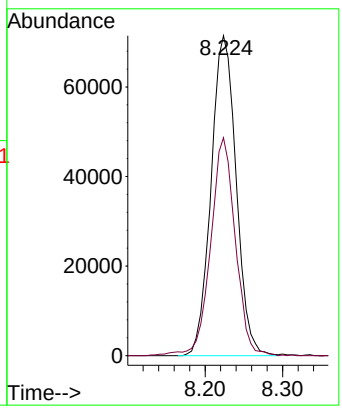


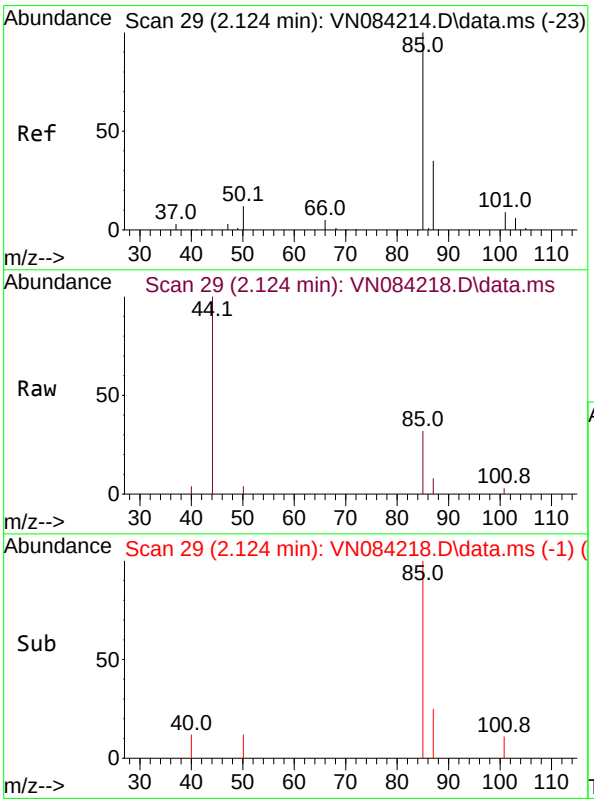
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 160573

Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2

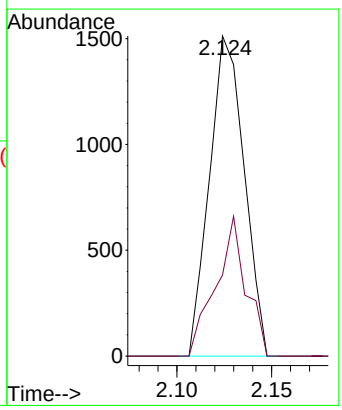


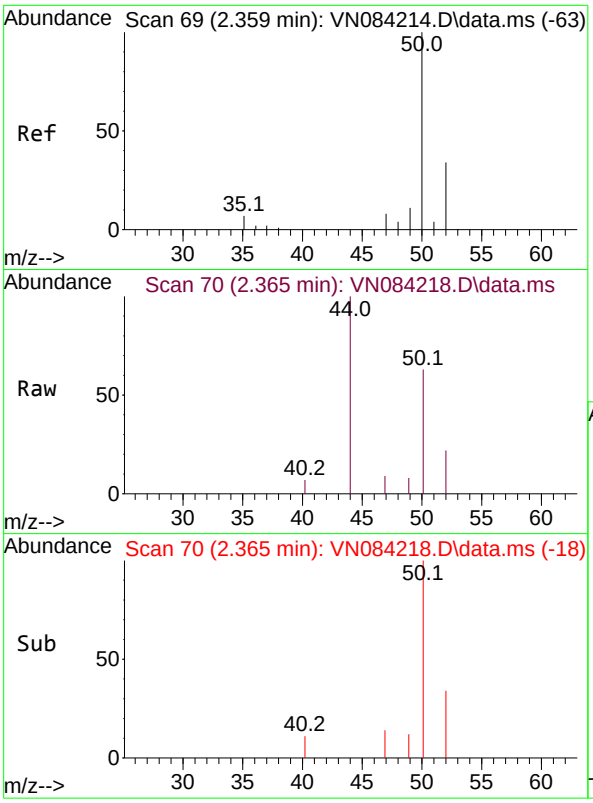


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9



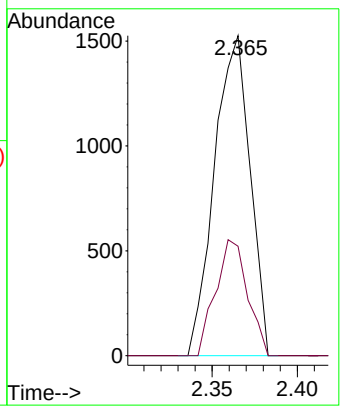


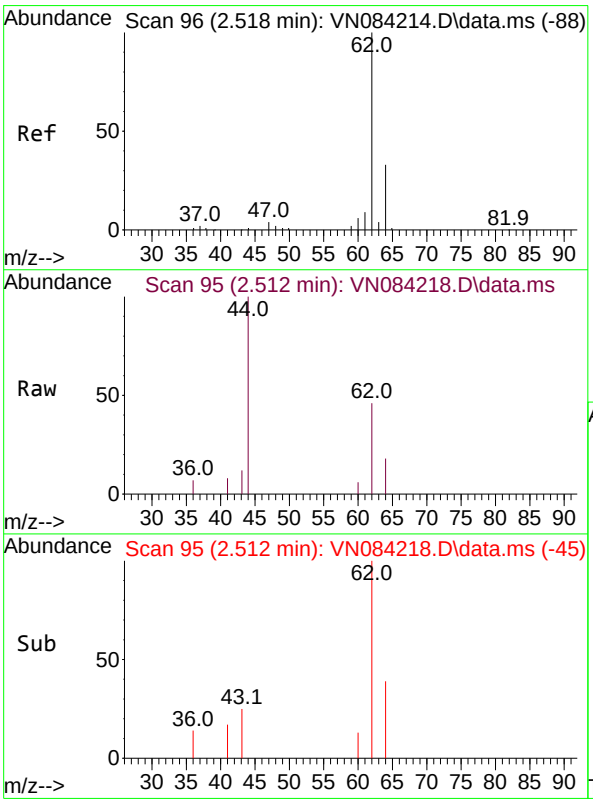
#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2217

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2

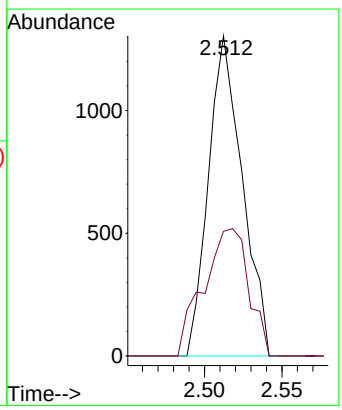


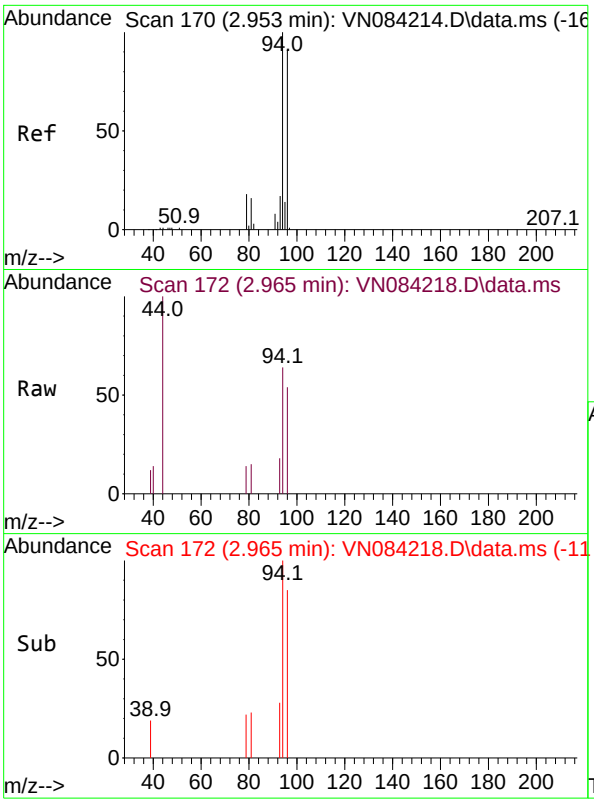


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4



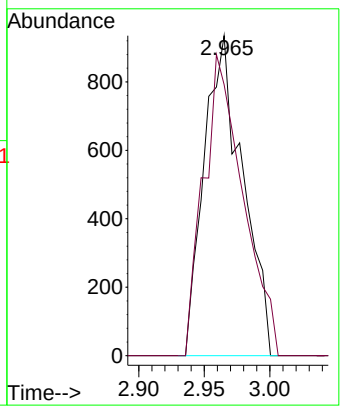


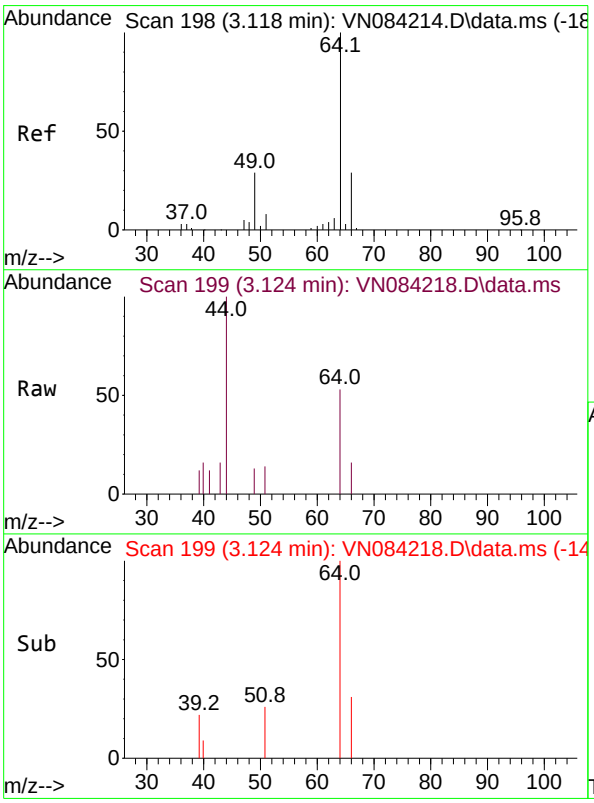
#5
Bromomethane
Concen: 1.378 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1910

Ion	Ratio	Lower	Upper
94	100		
96	84.7	72.9	109.3

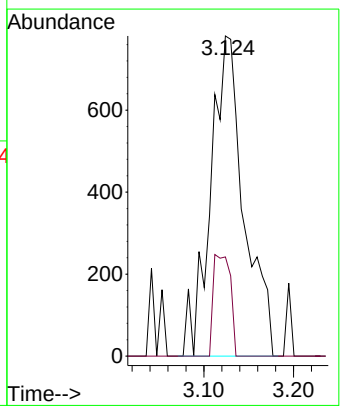


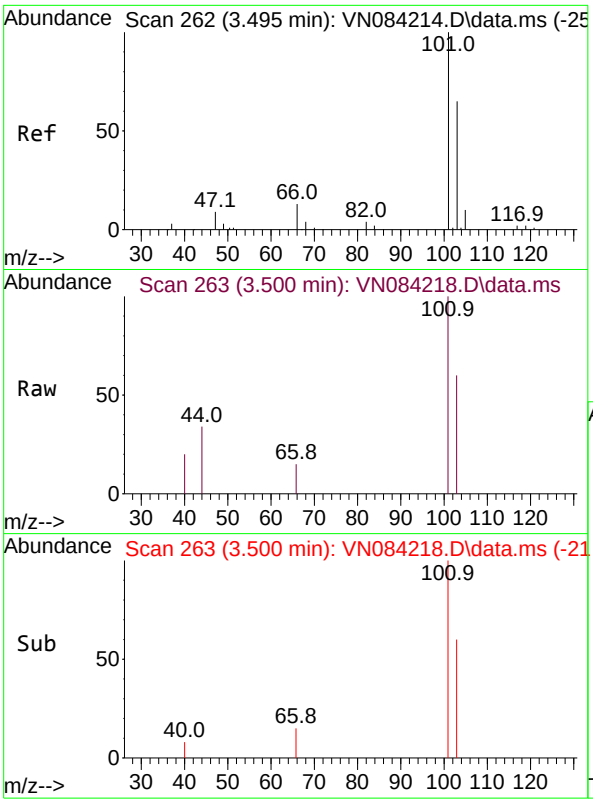


#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



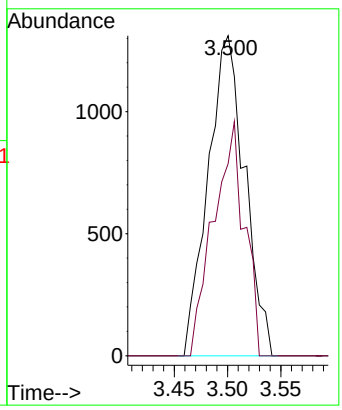


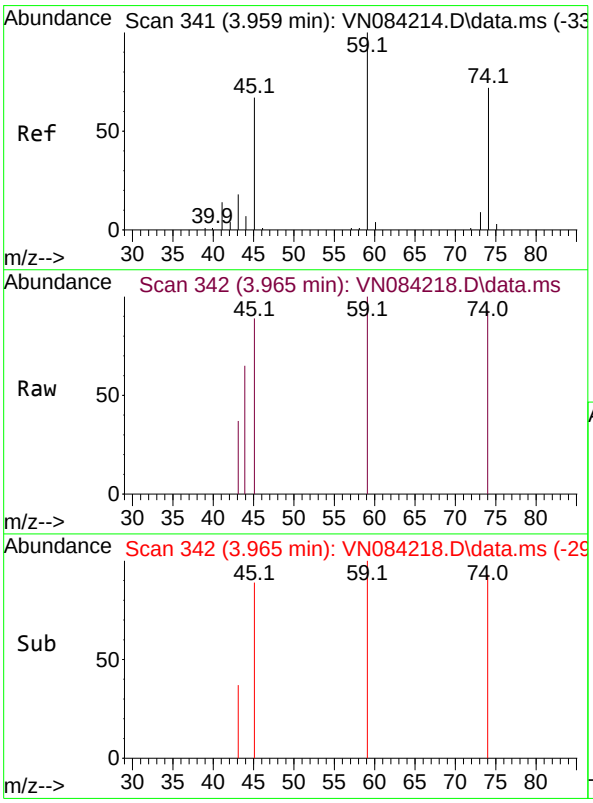
#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

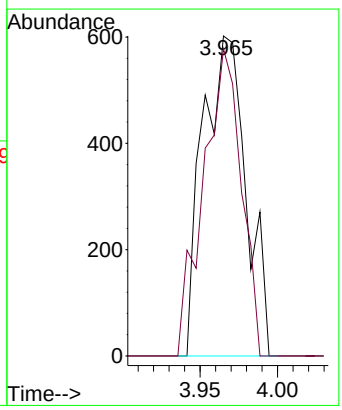


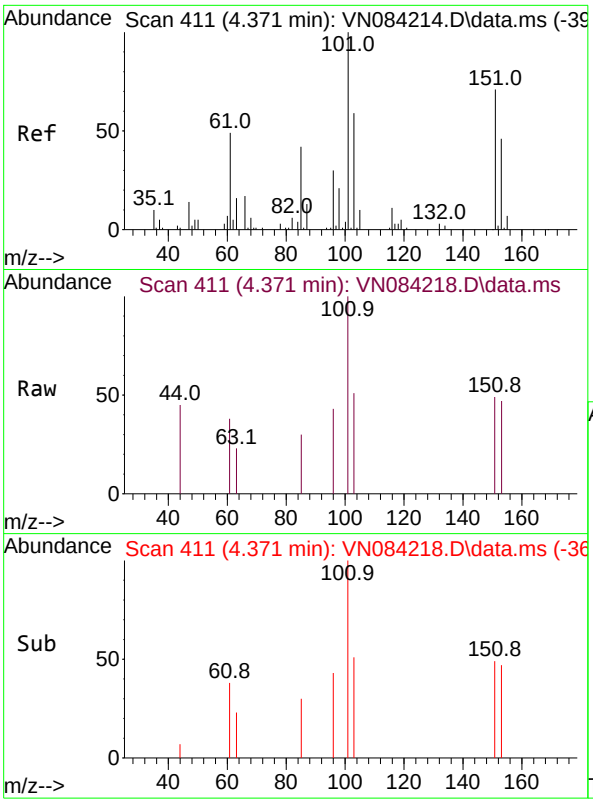


#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



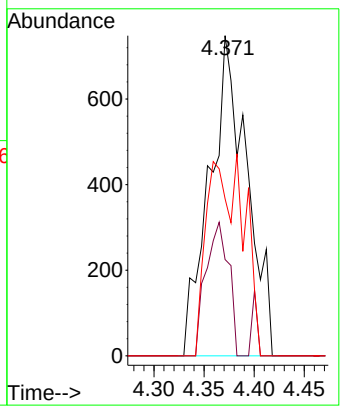


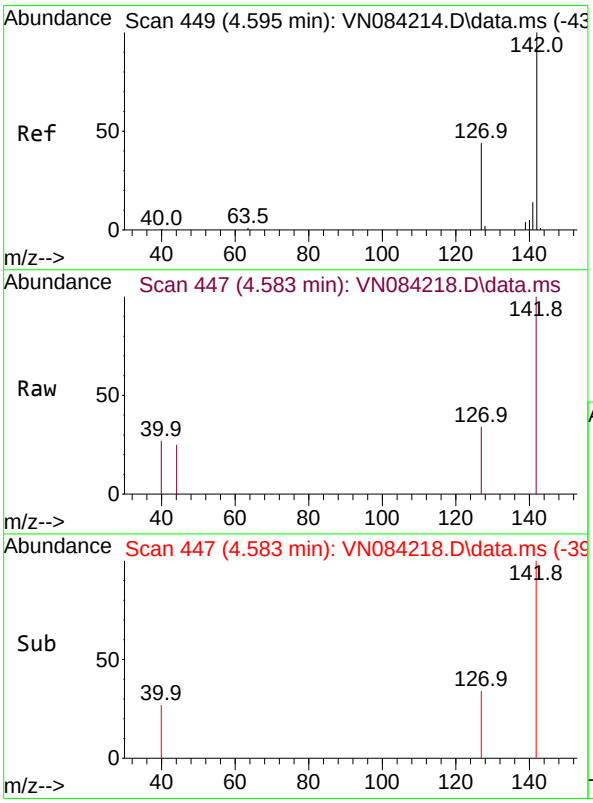
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

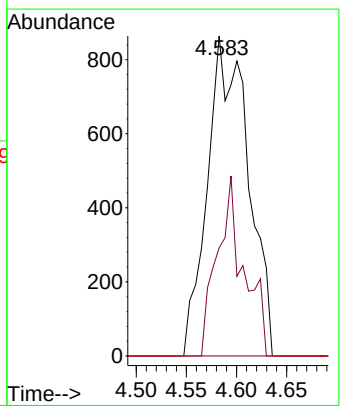


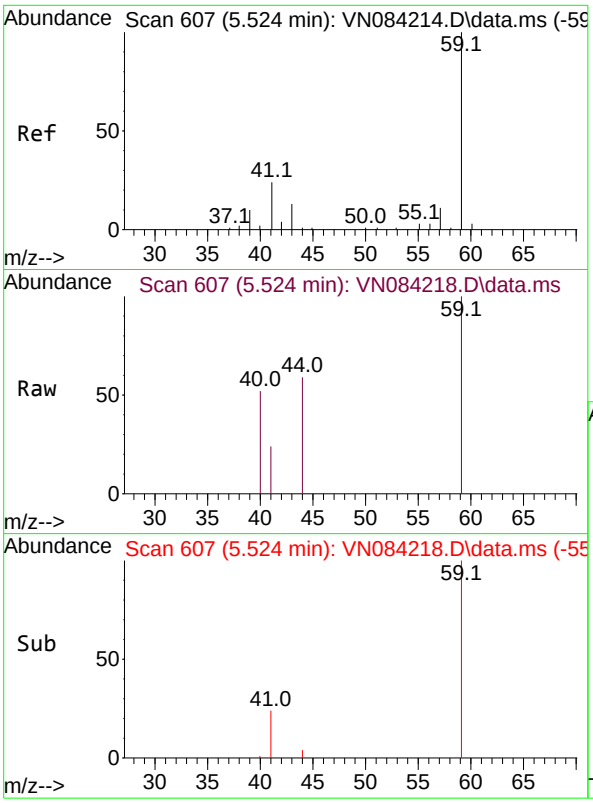


#10
Methyl Iodide
Concen: 1.013 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



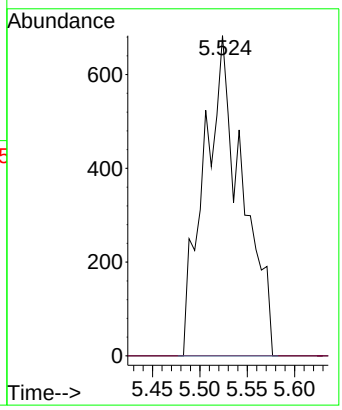


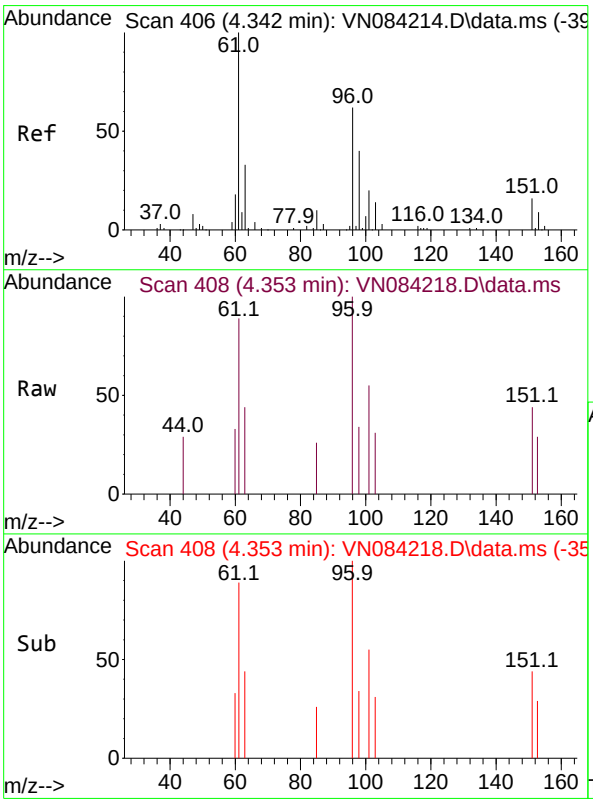
#11
Tert butyl alcohol
Concen: 4.888 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1919

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

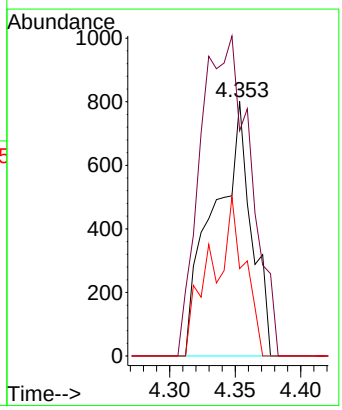


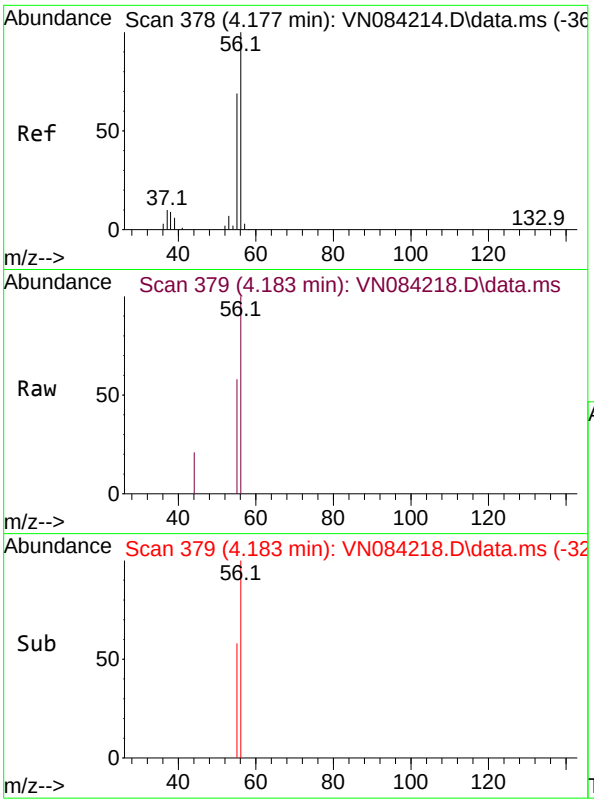


#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



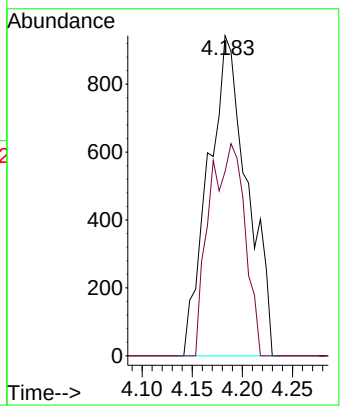


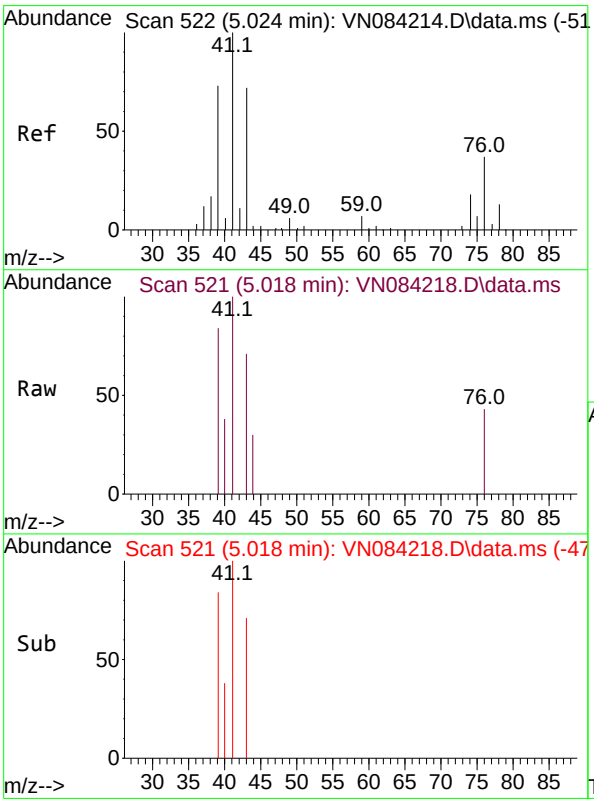
#13
Acrolein
Concen: 5.658 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2550

Ion	Ratio	Lower	Upper
56	100		
55	60.3	57.2	85.8

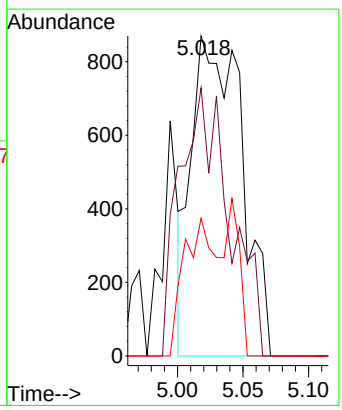


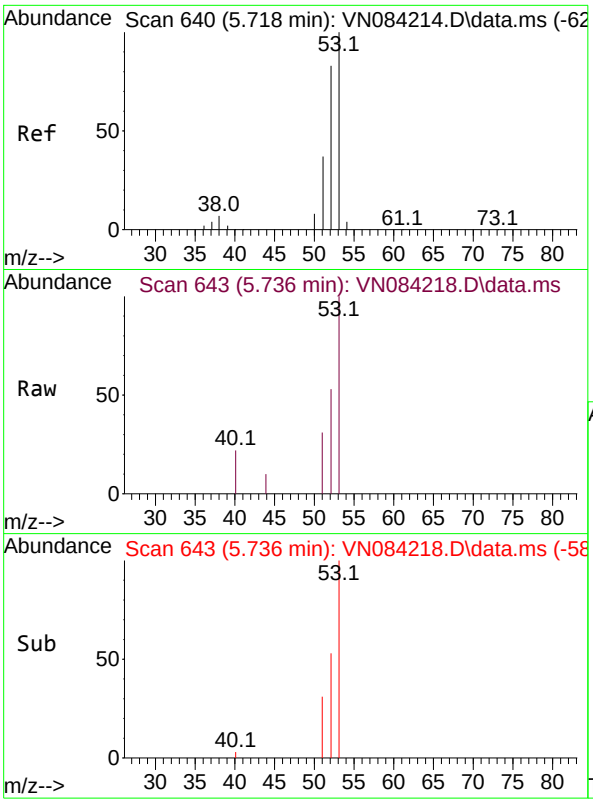


#14
Allyl chloride
Concen: 0.743 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



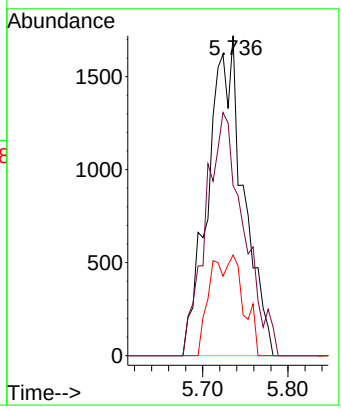


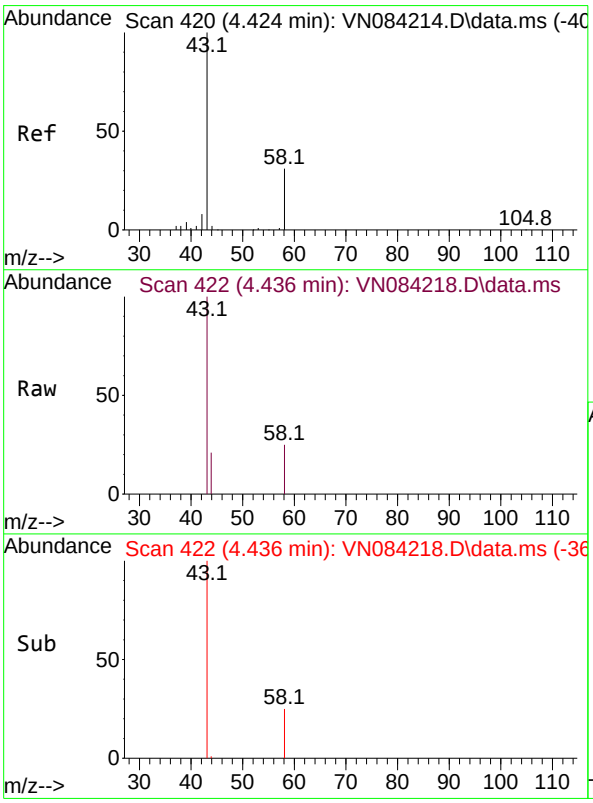
#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

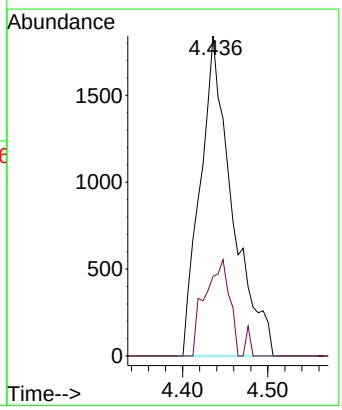


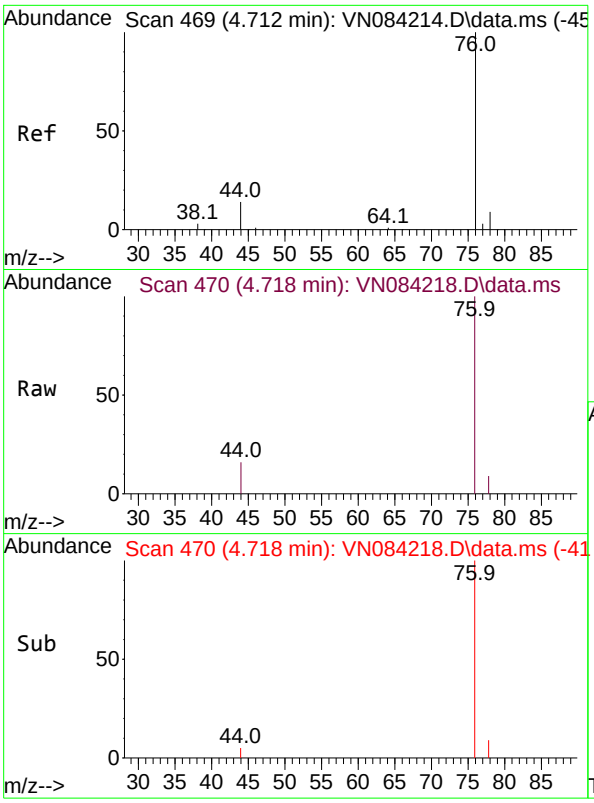


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6



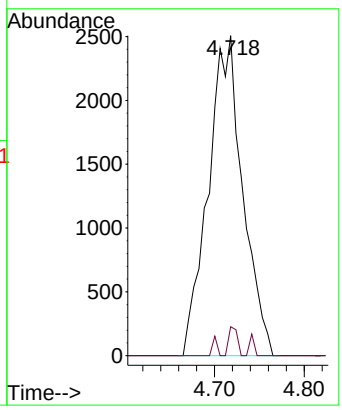


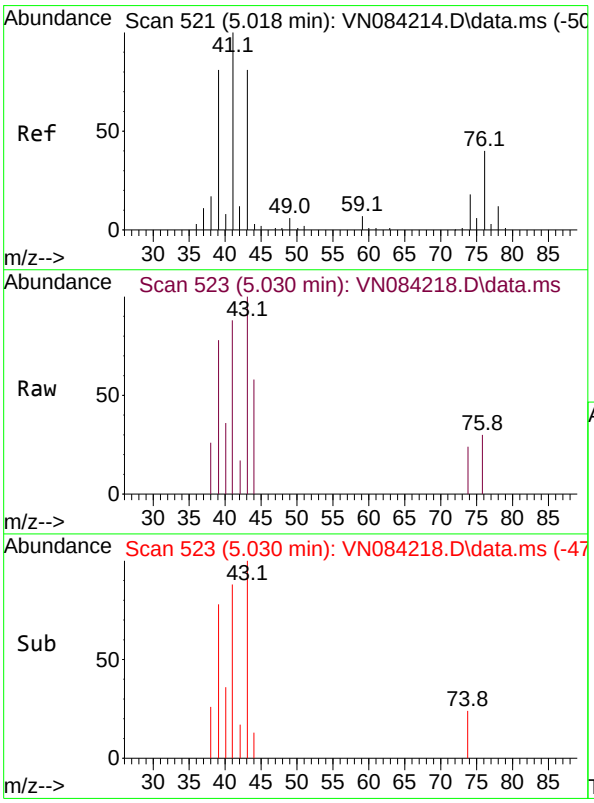
#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 6680

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

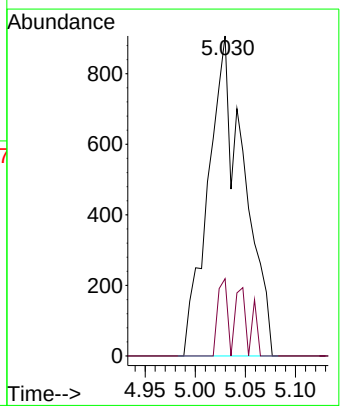


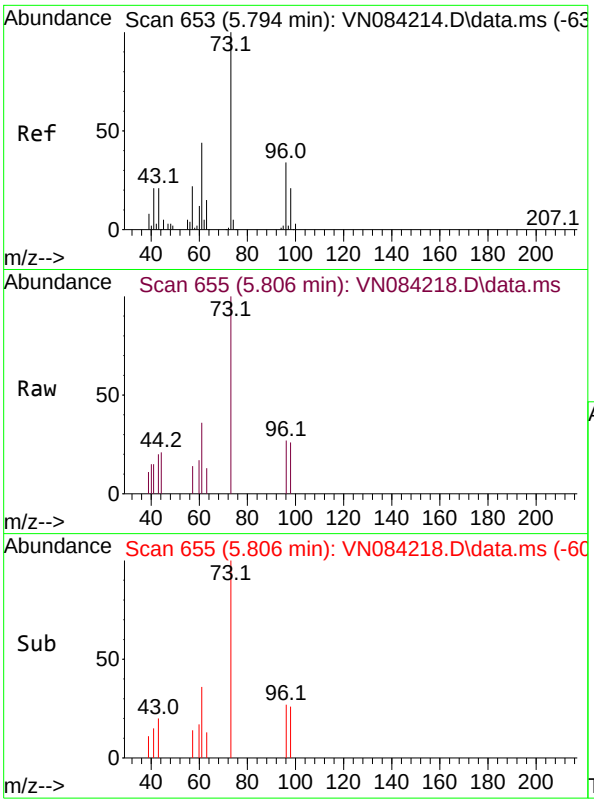


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#



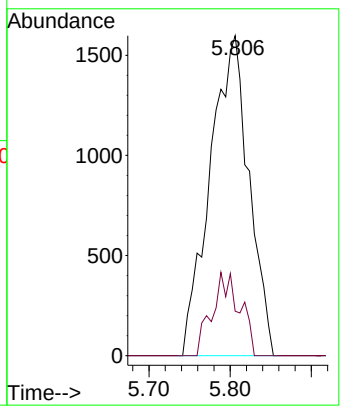


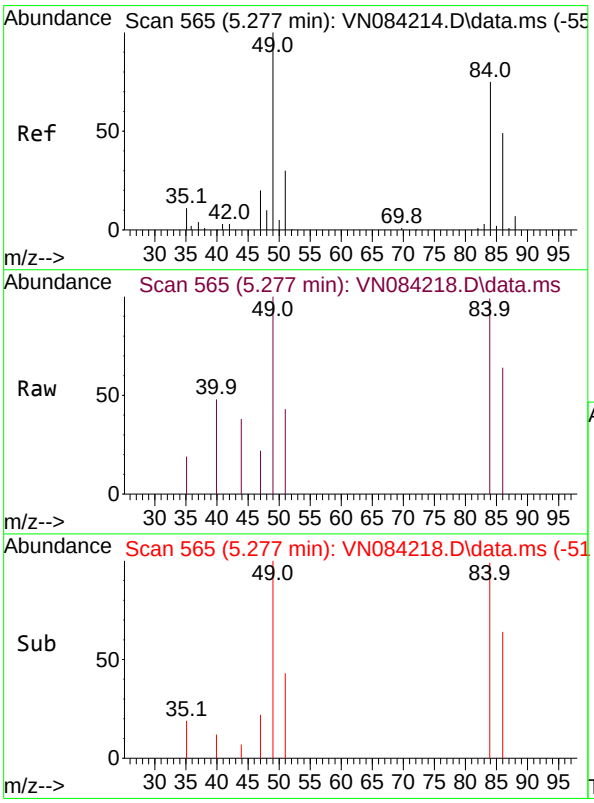
#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5319

Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#

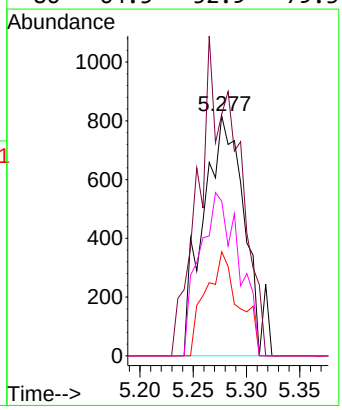


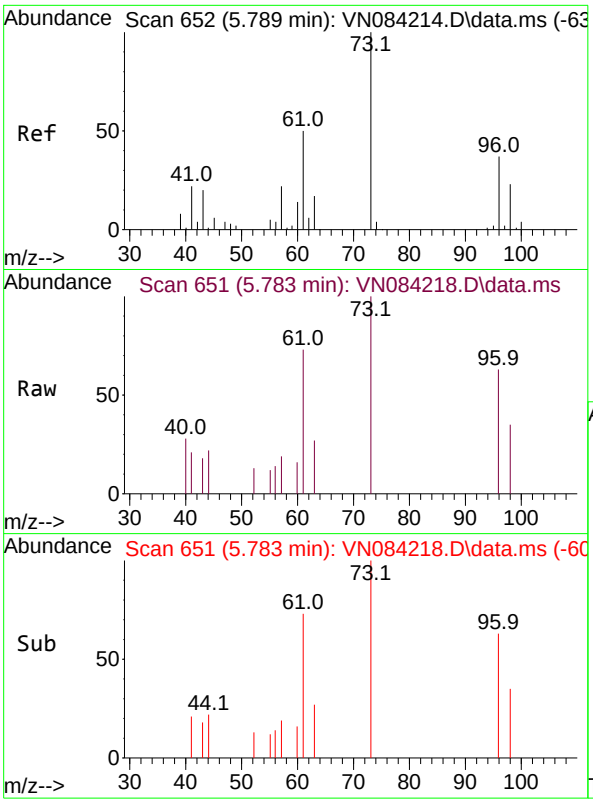


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



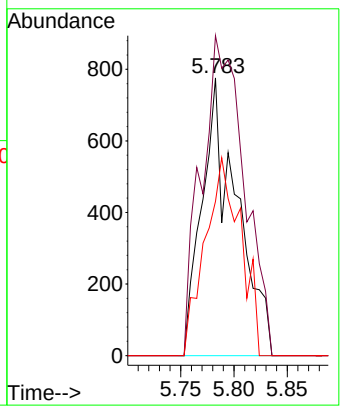


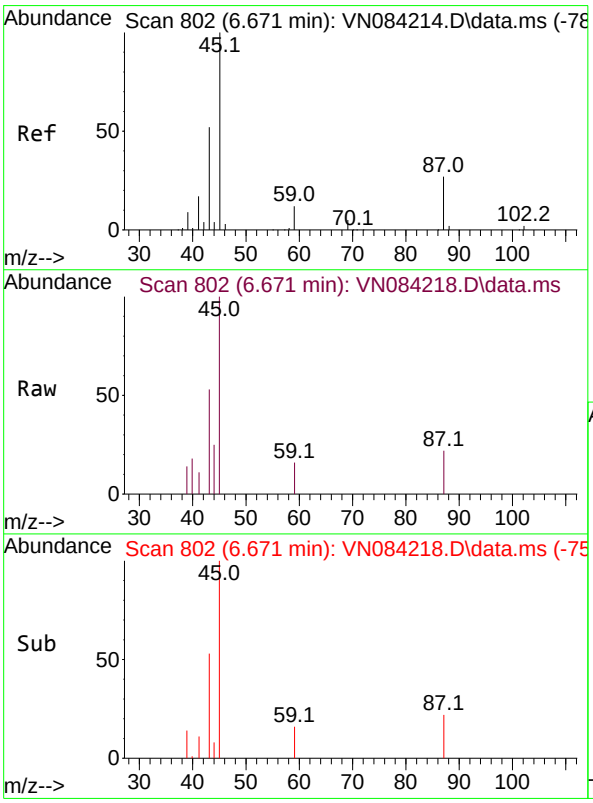
#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

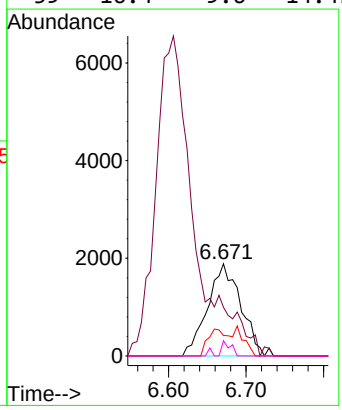


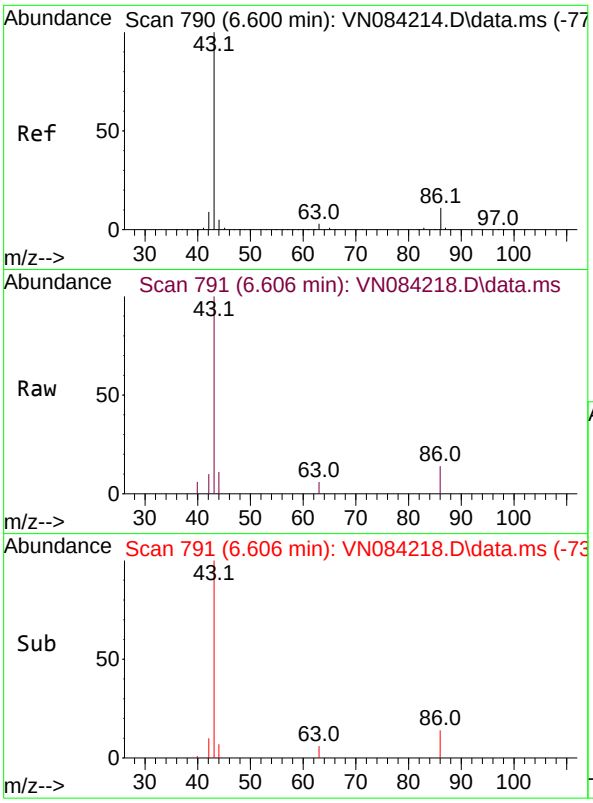


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



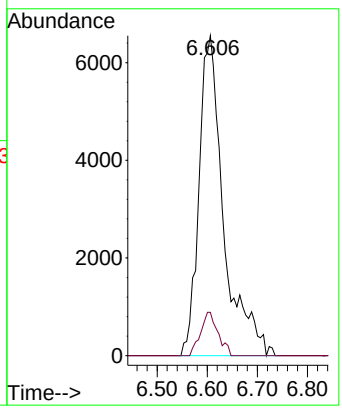


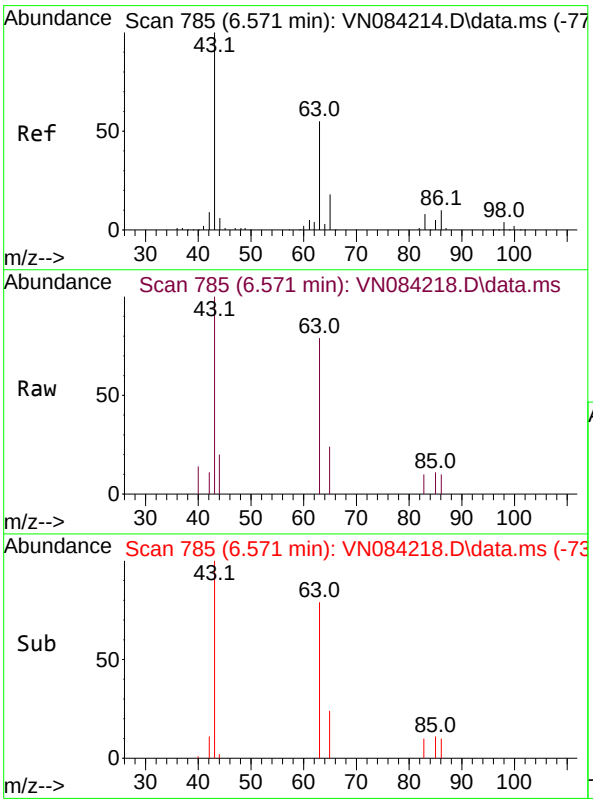
#23
Vinyl Acetate
Concen: 4.634 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22441

Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#

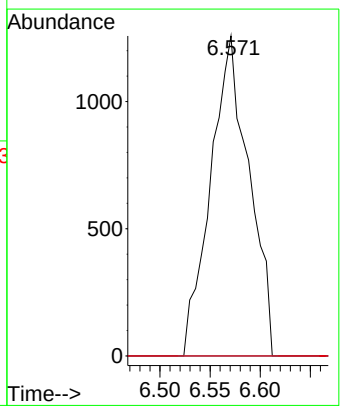


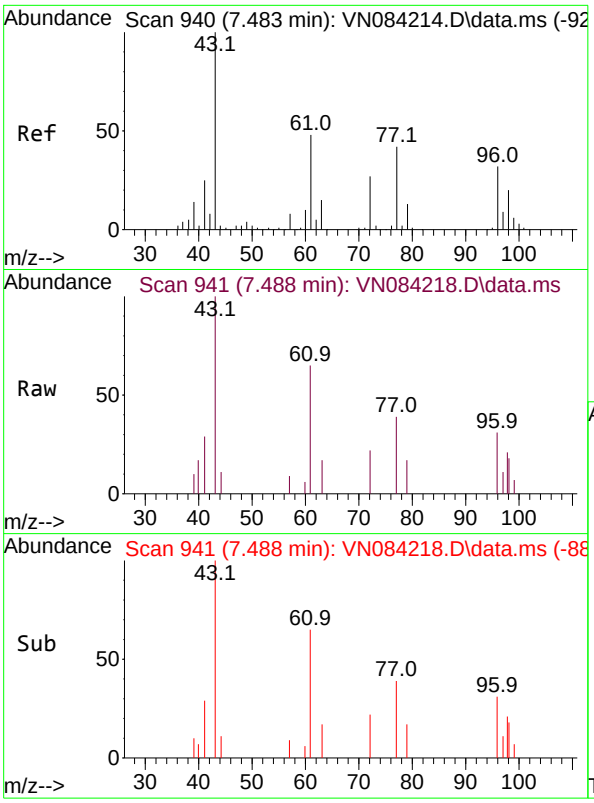


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



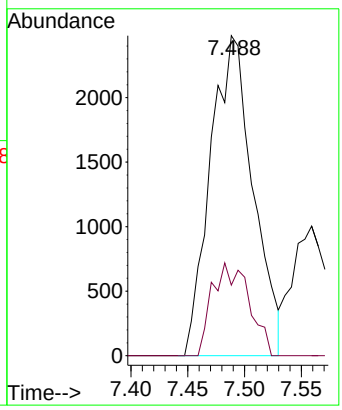


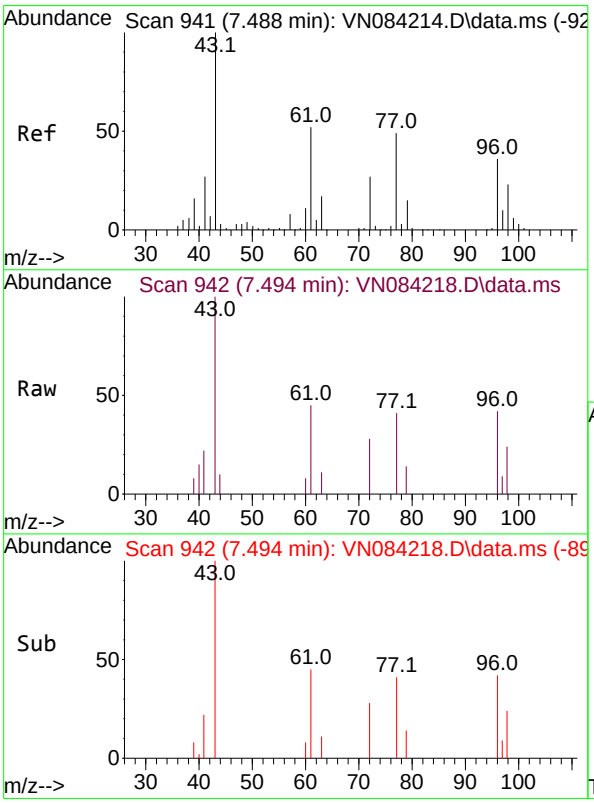
#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2

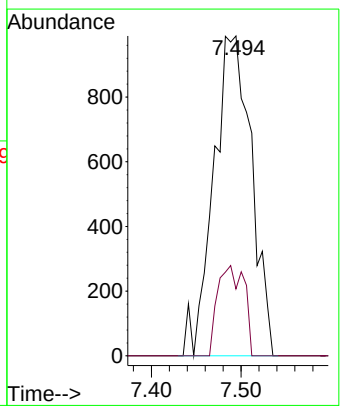


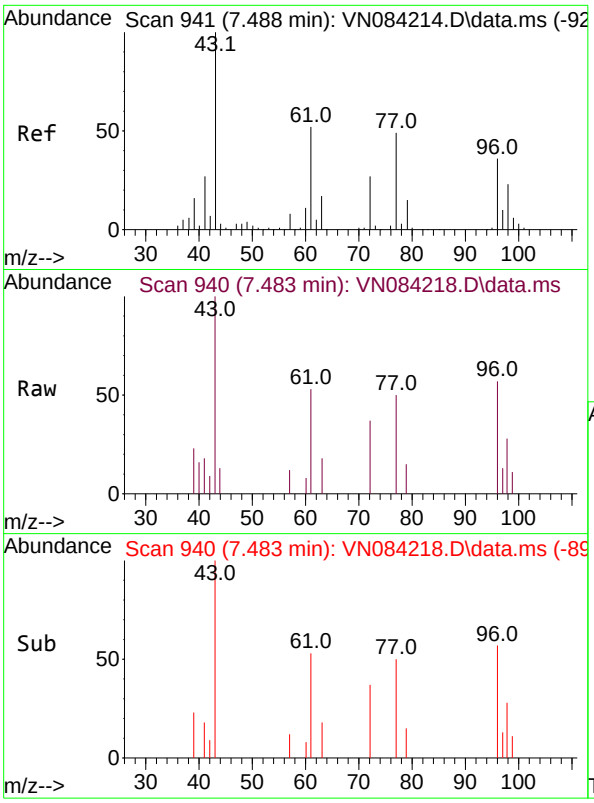


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3



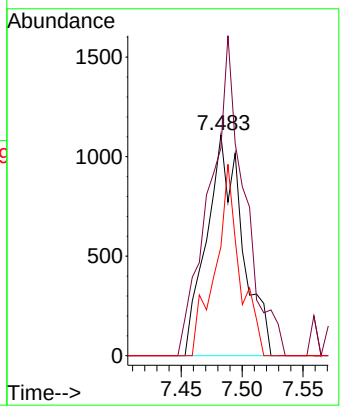


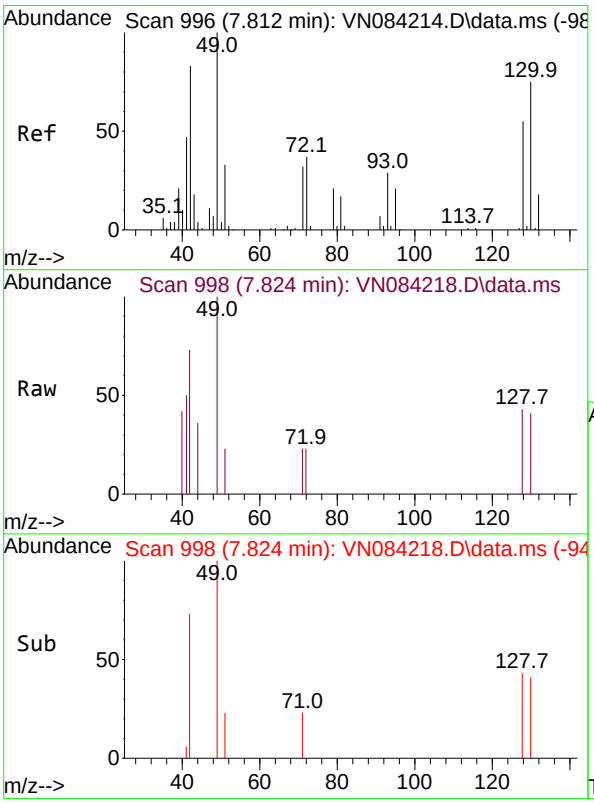
#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

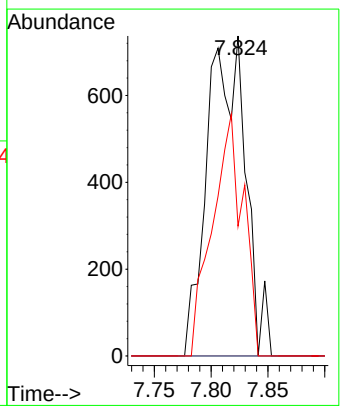


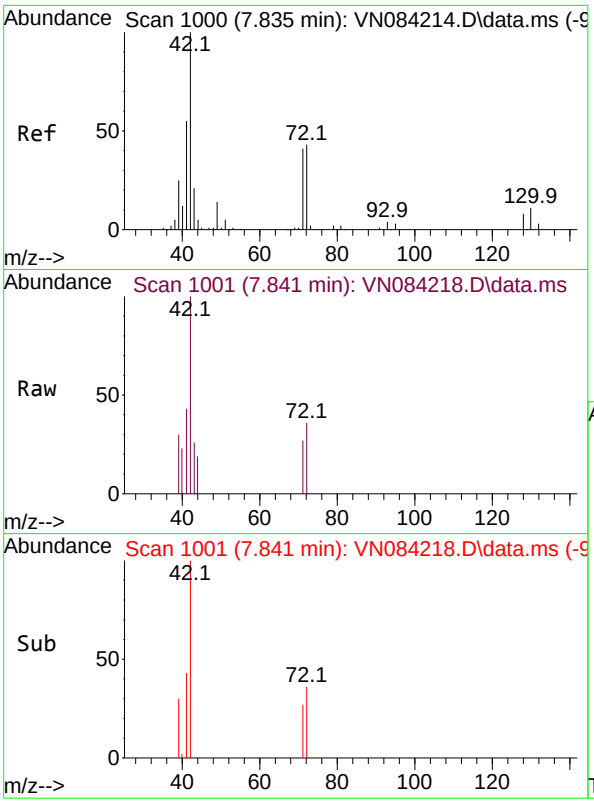


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



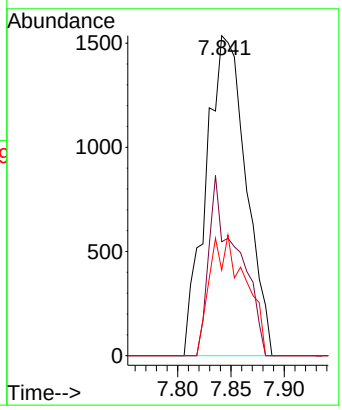


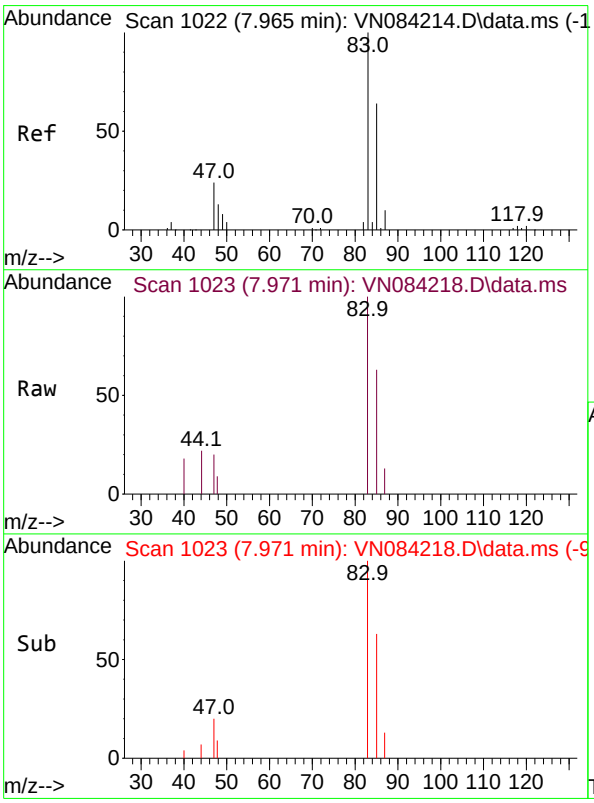
#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

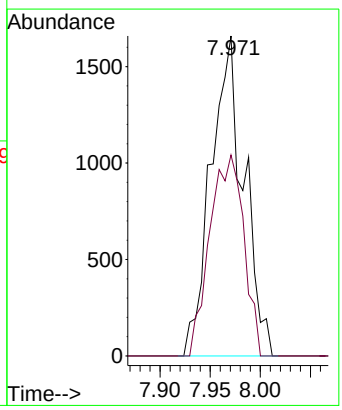


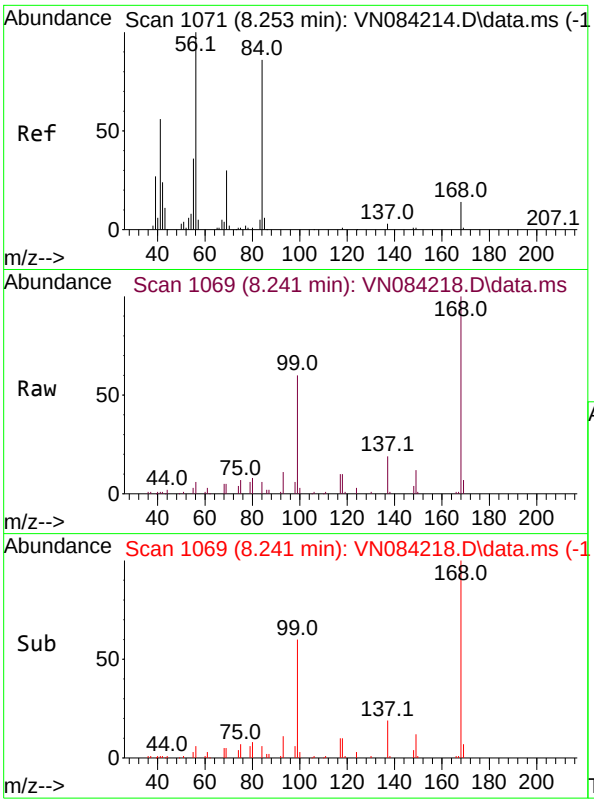


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4



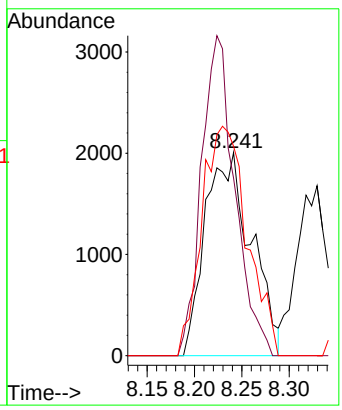


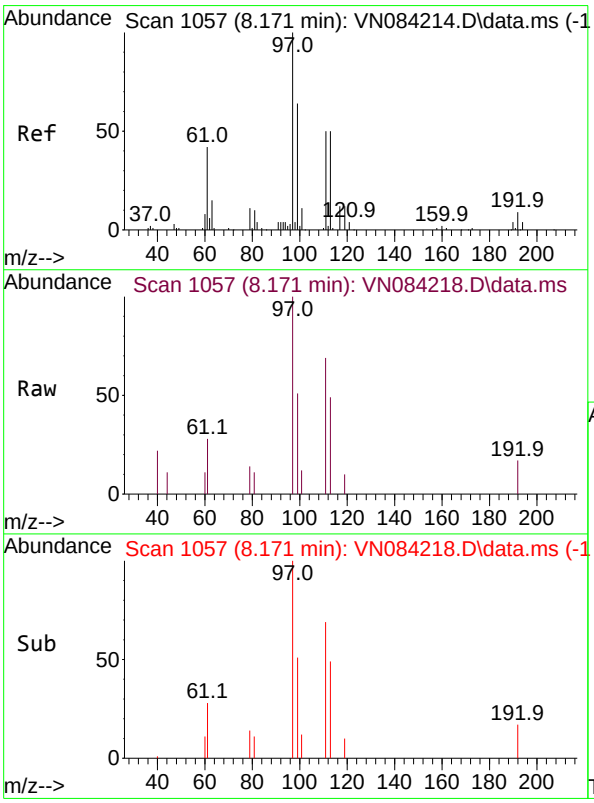
#31
Cyclohexane
Concen: 1.928 ug/l
RT: 8.241 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

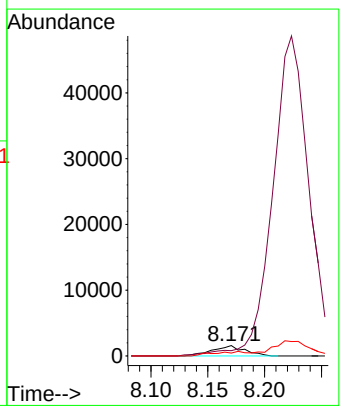


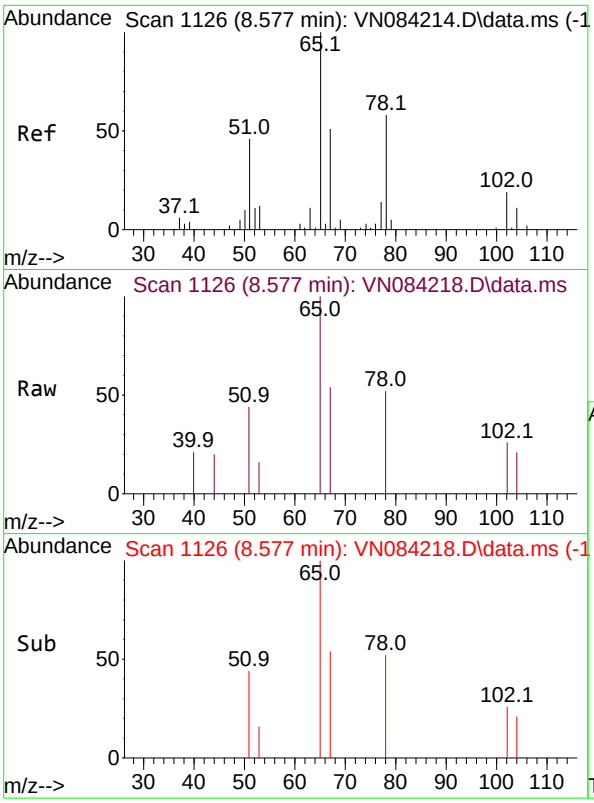


#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



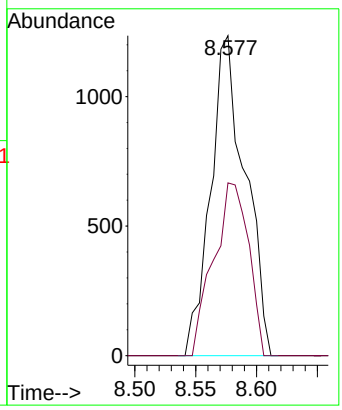


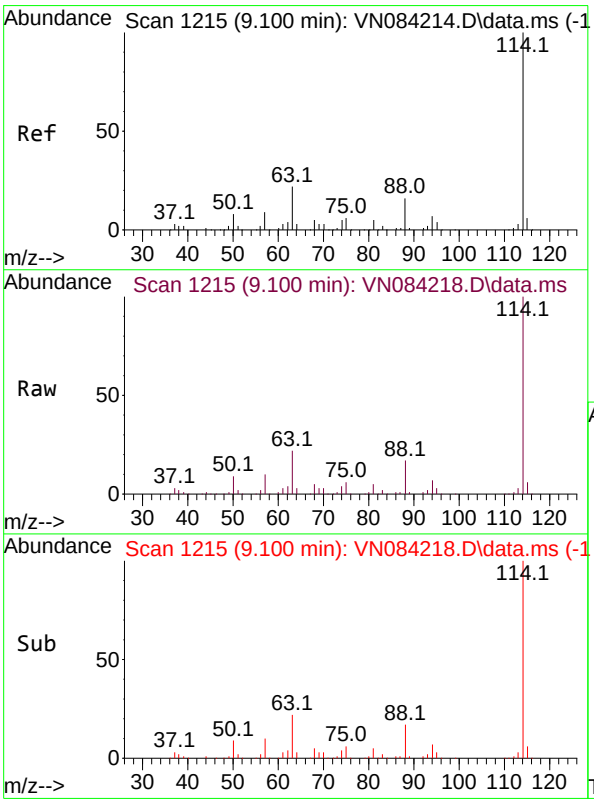
#33
1,2-Dichloroethane-d4
Concen: 1.026 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2443

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	102.0

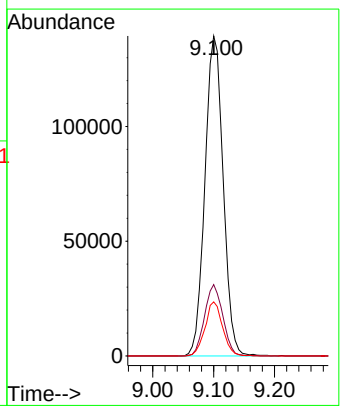


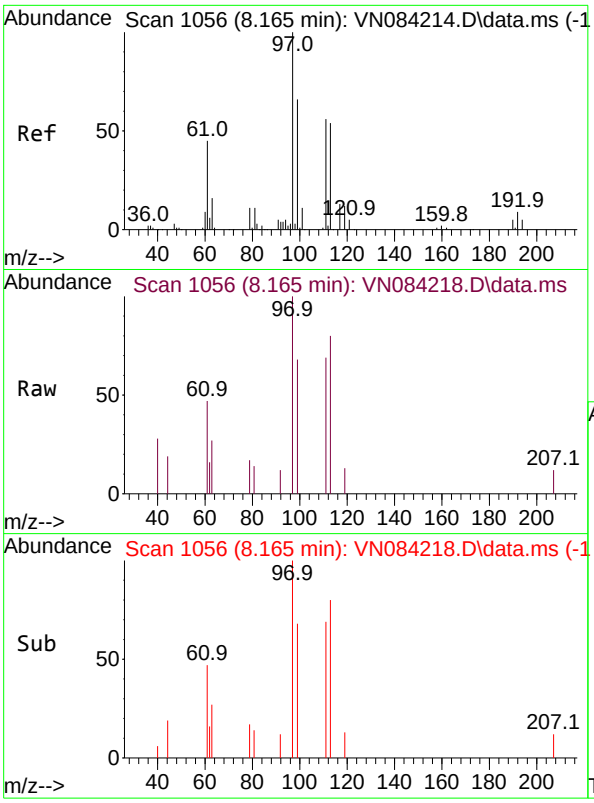


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



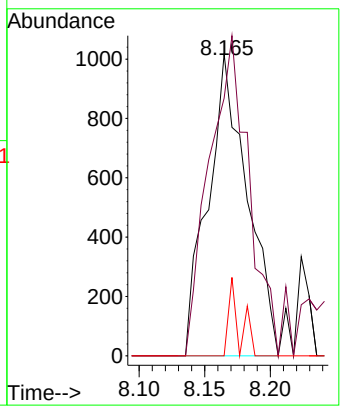


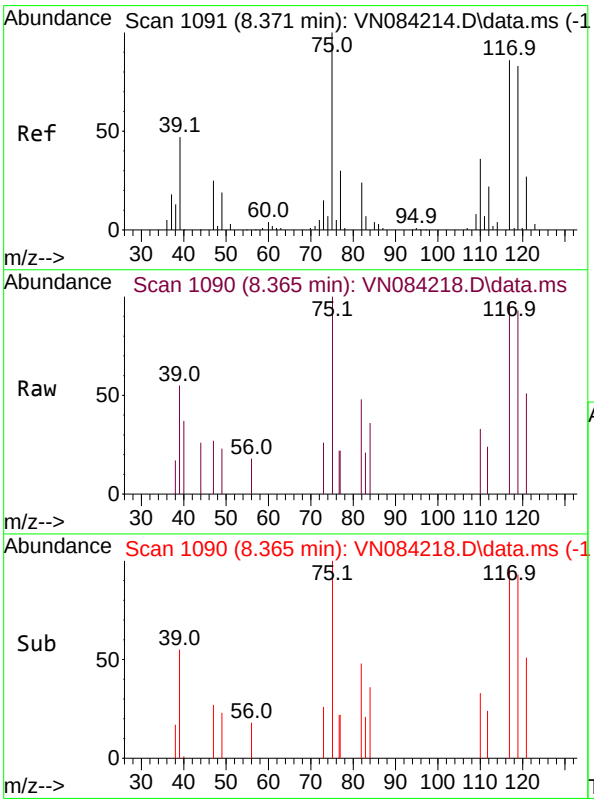
#35
Dibromofluoromethane
Concen: 1.105 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

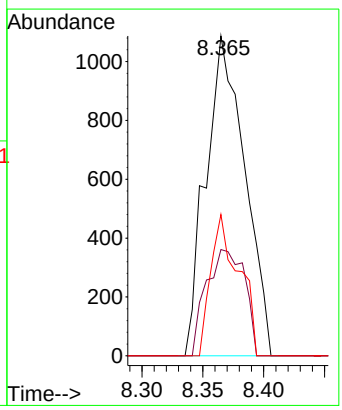


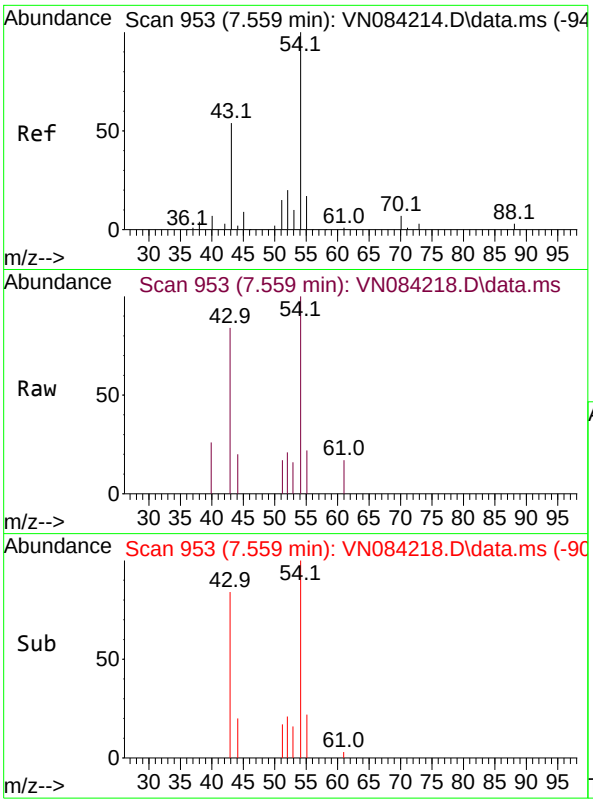


#36
1,1-Dichloropropene
Concen: 0.871 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



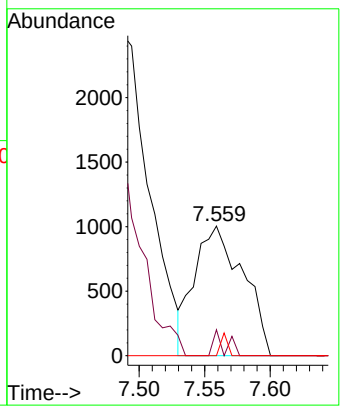


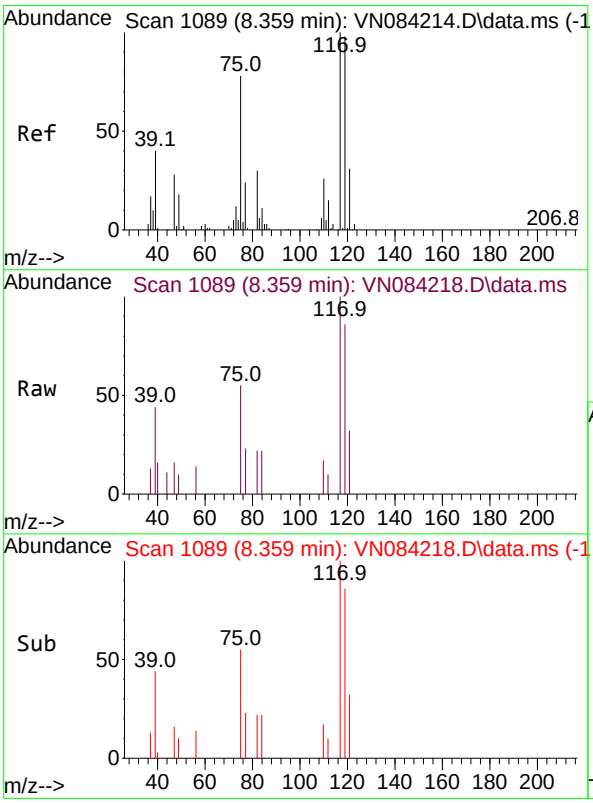
#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

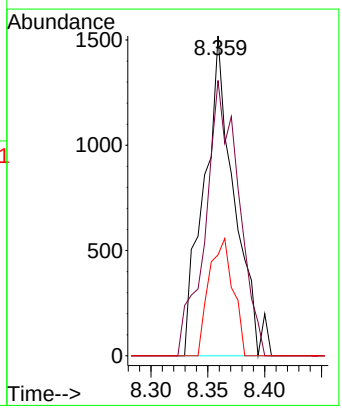


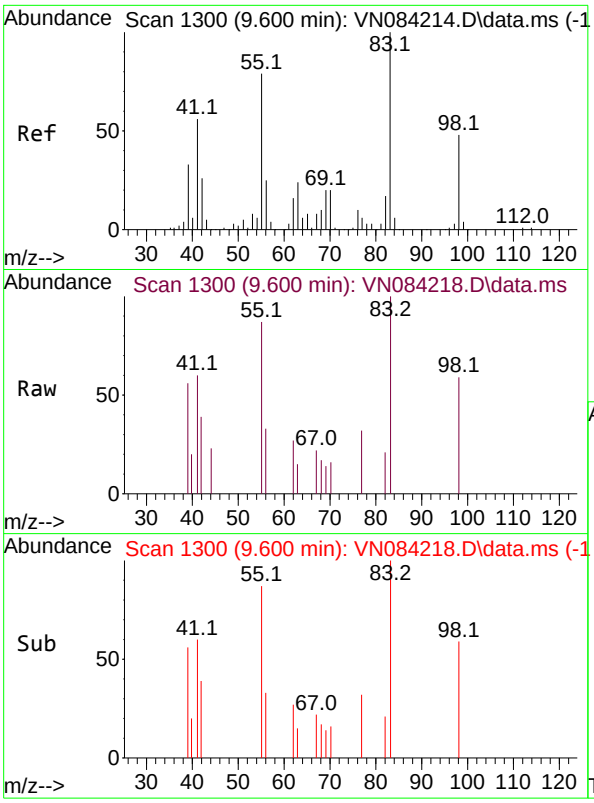


#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



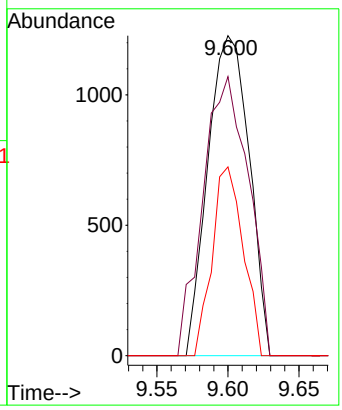


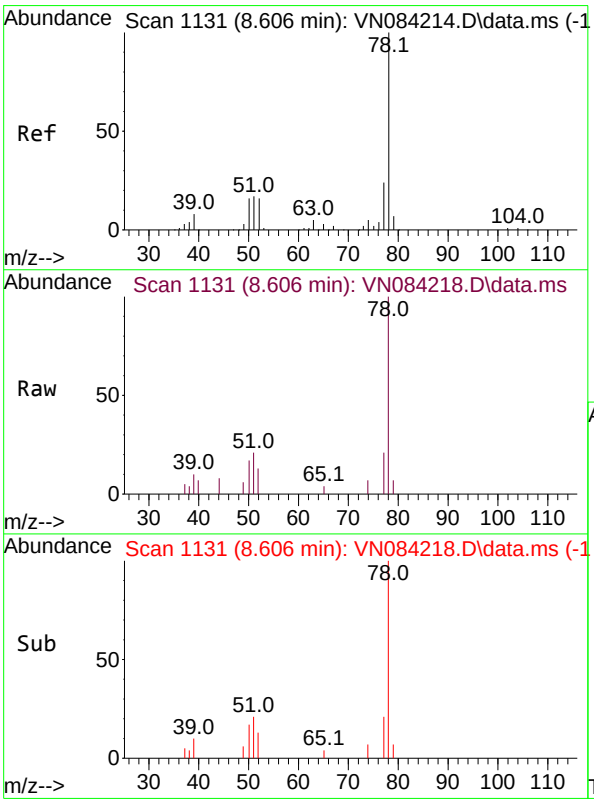
#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

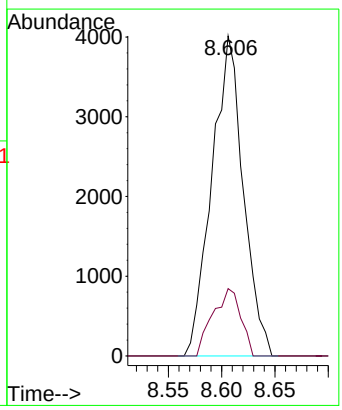


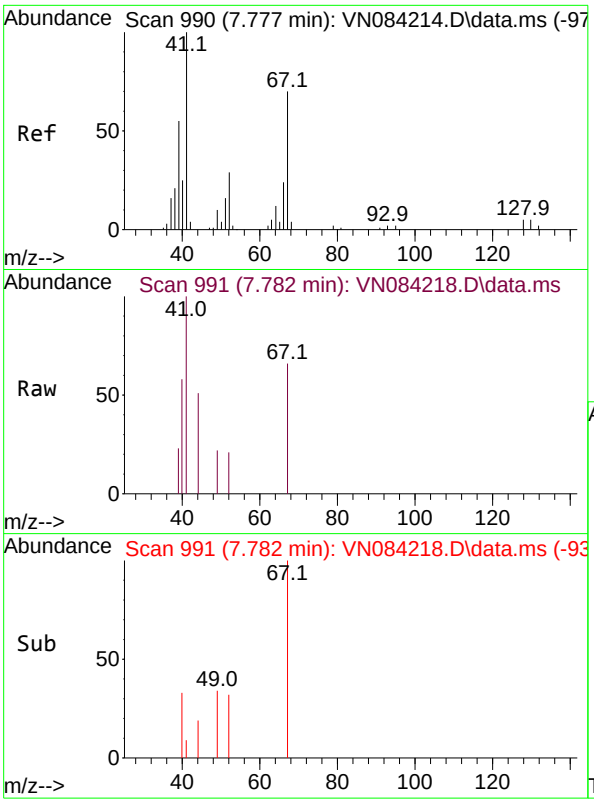


#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



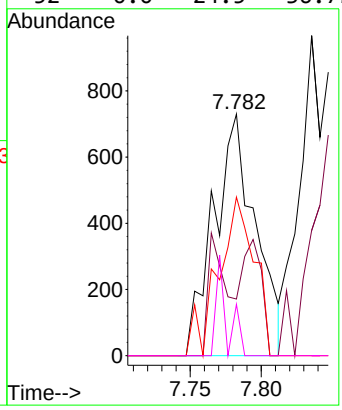


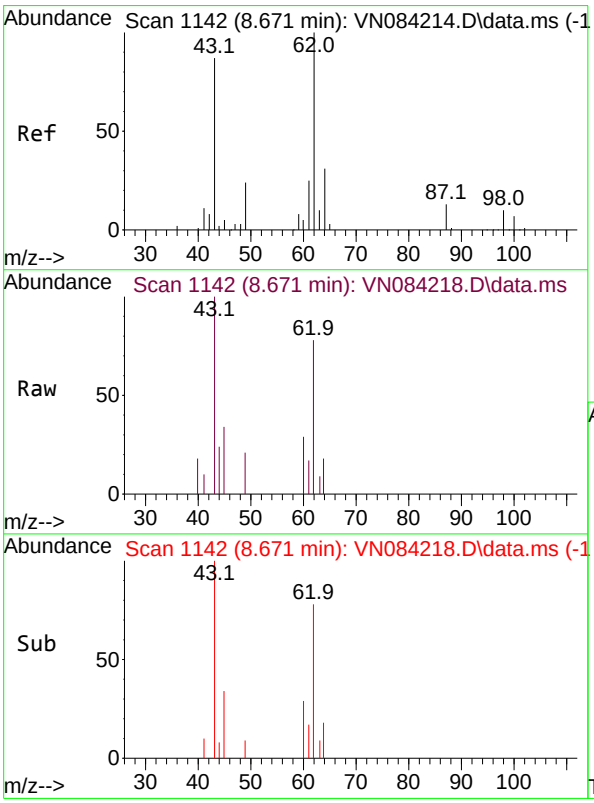
#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

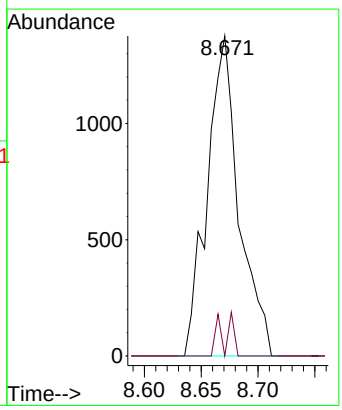


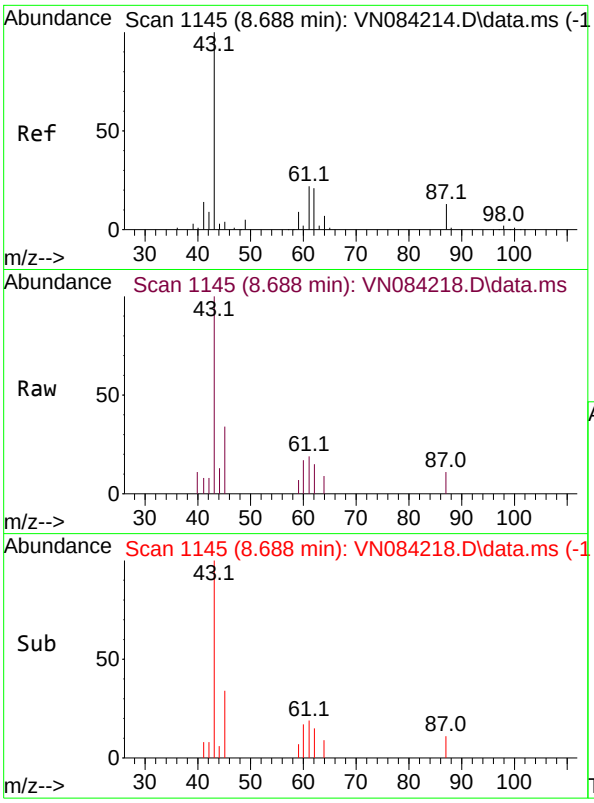


#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



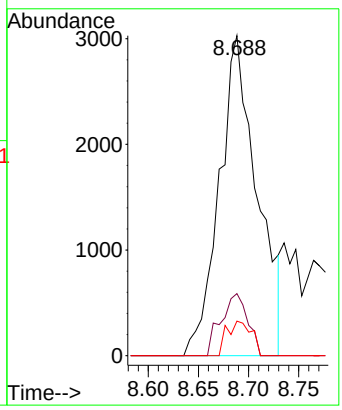


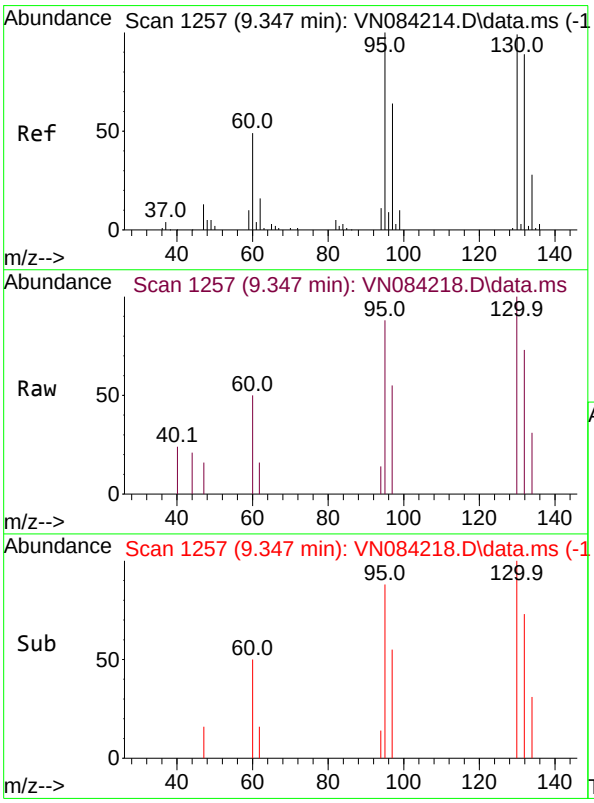
#43
Isopropyl Acetate
Concen: 1.424 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

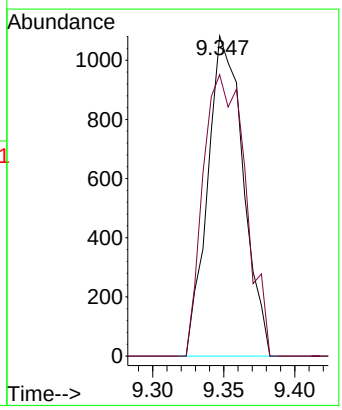


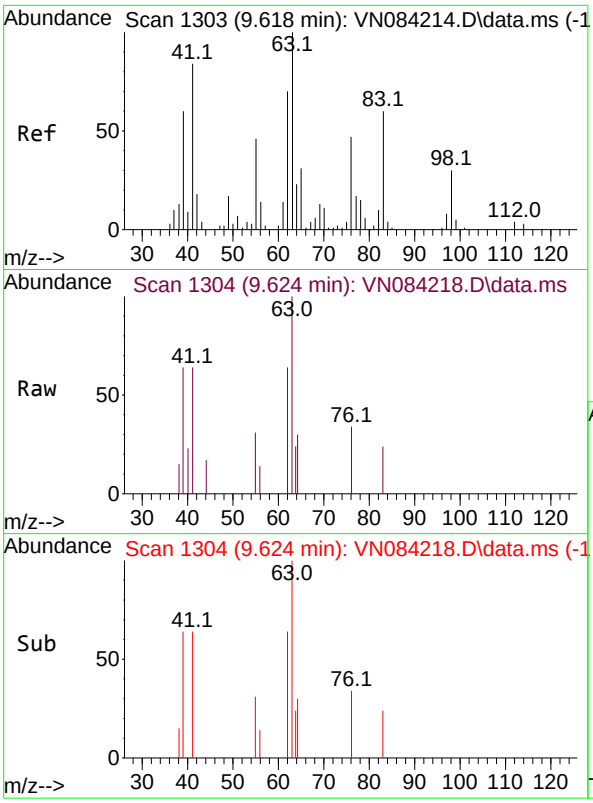


#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



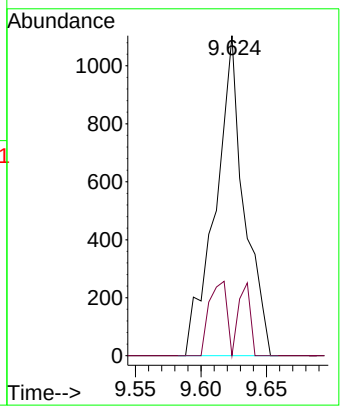


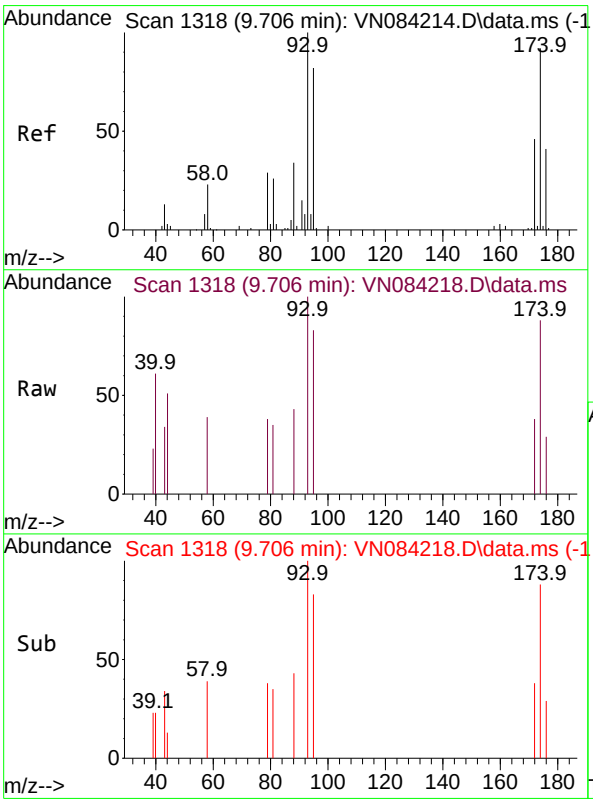
#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

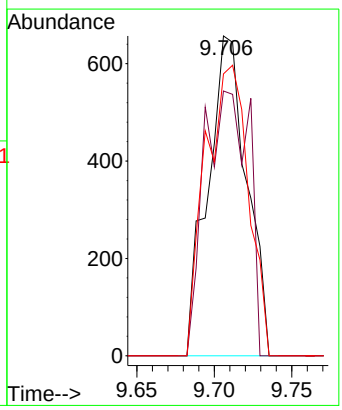


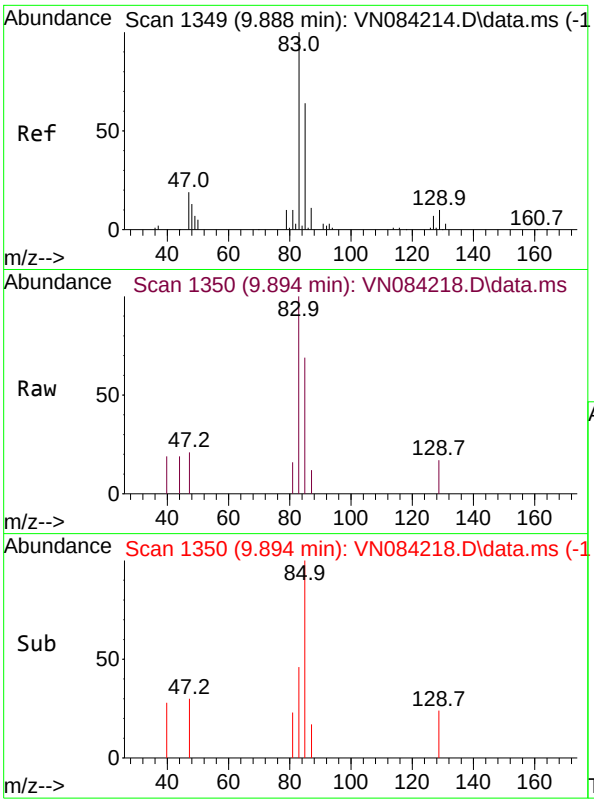


#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



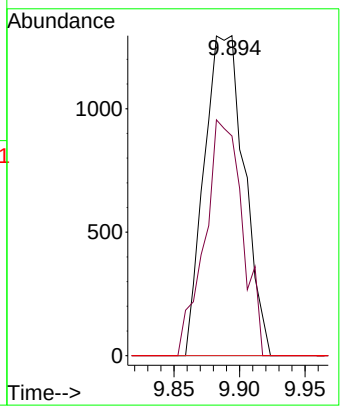


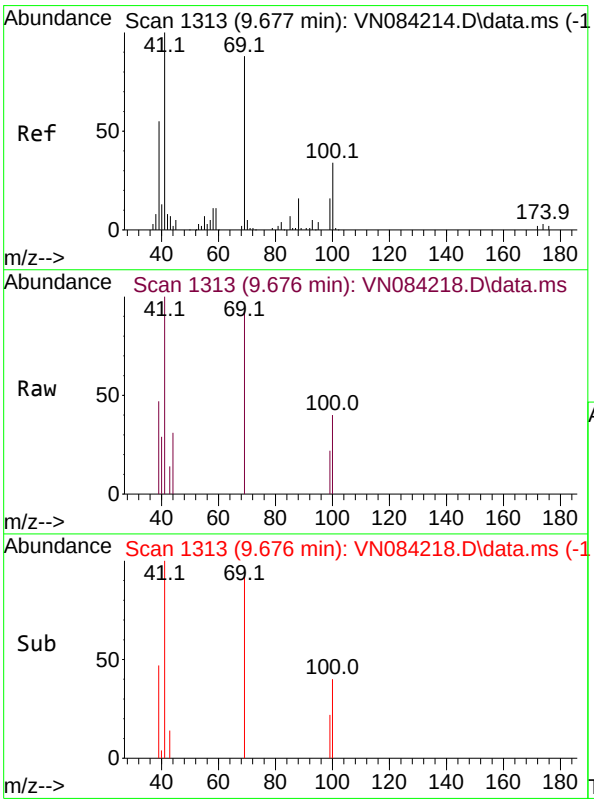
#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

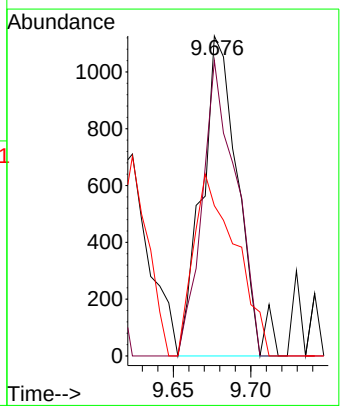


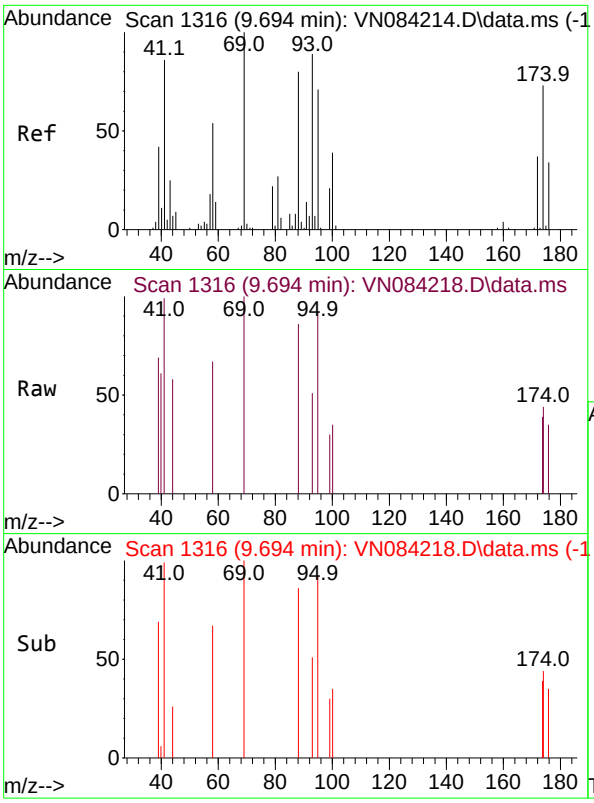


#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



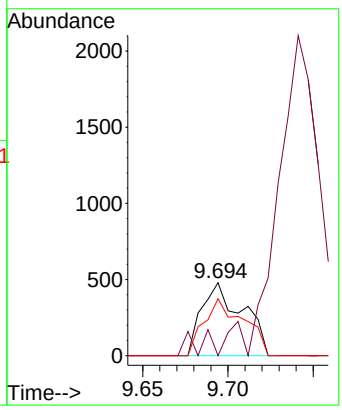


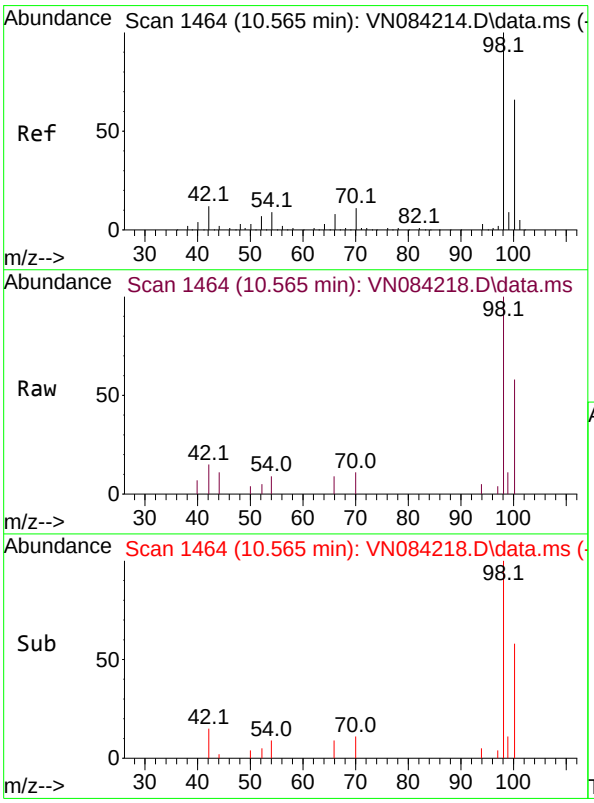
#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

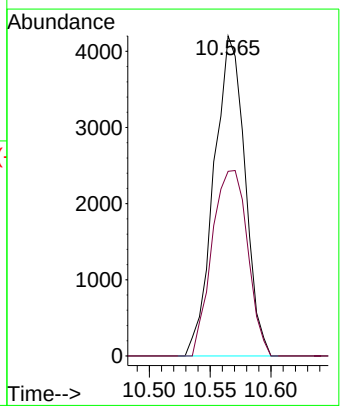


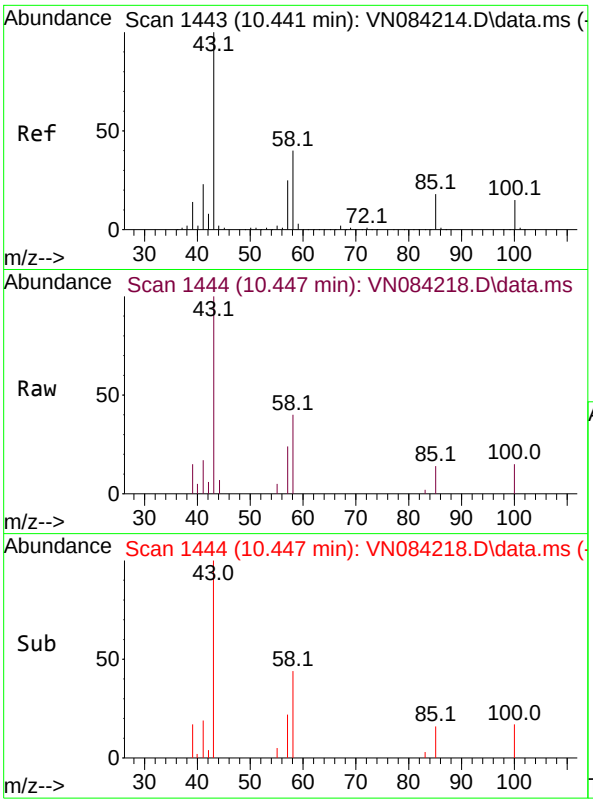


#50
Toluene-d8
Concen: 1.056 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 98 Resp: 7435

Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.7	79.1



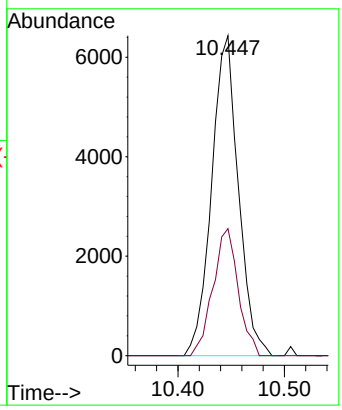


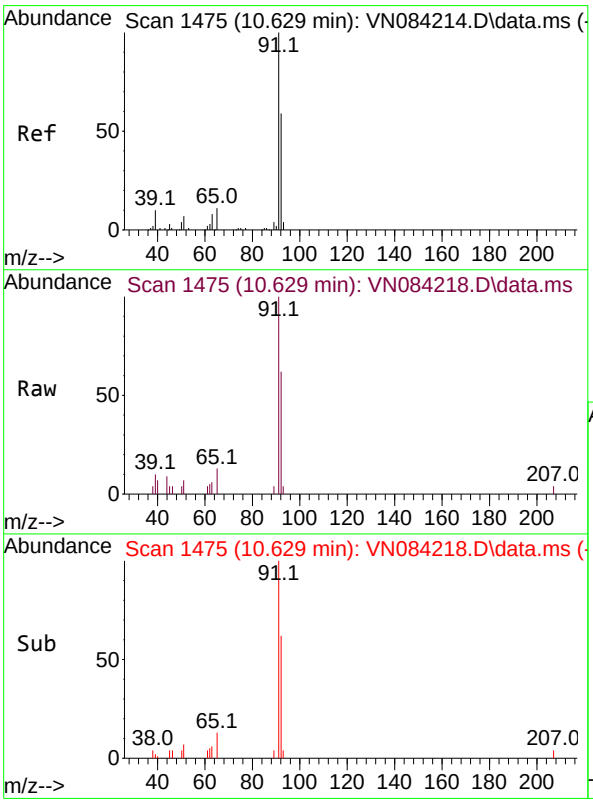
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4

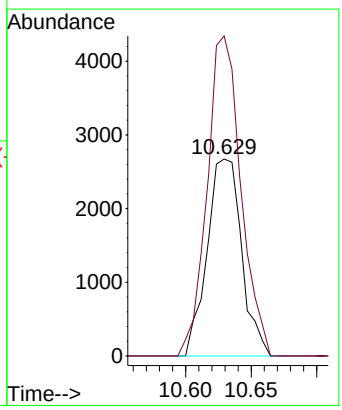


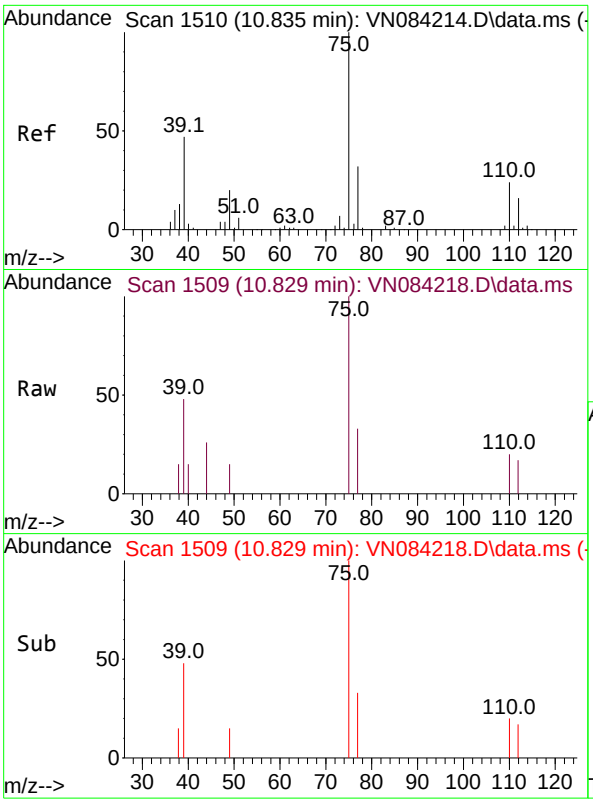


#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



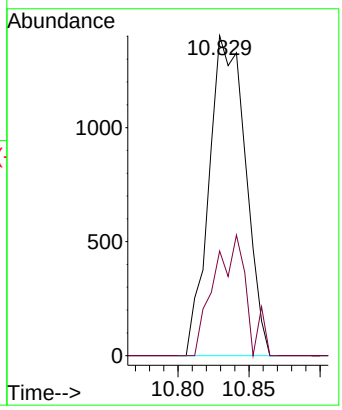


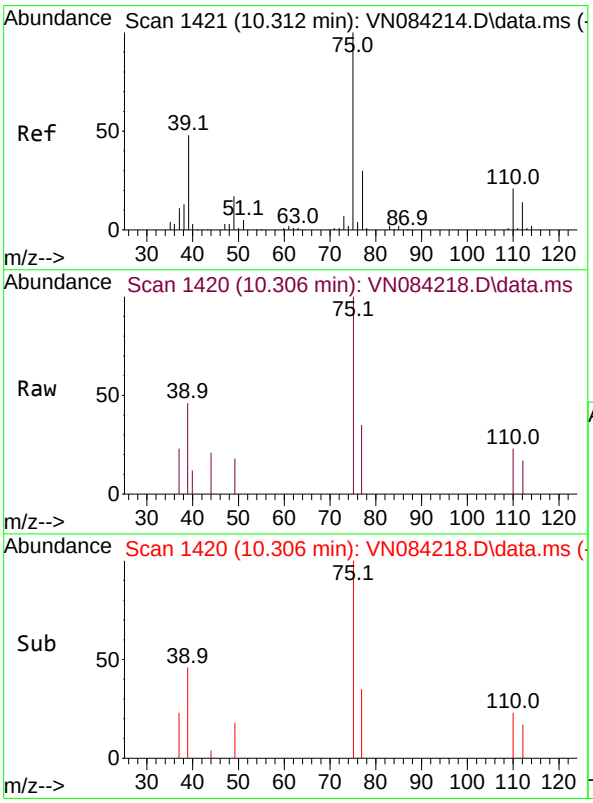
#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

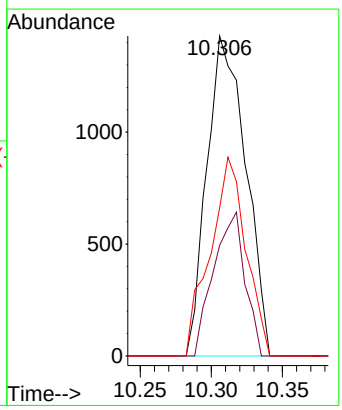


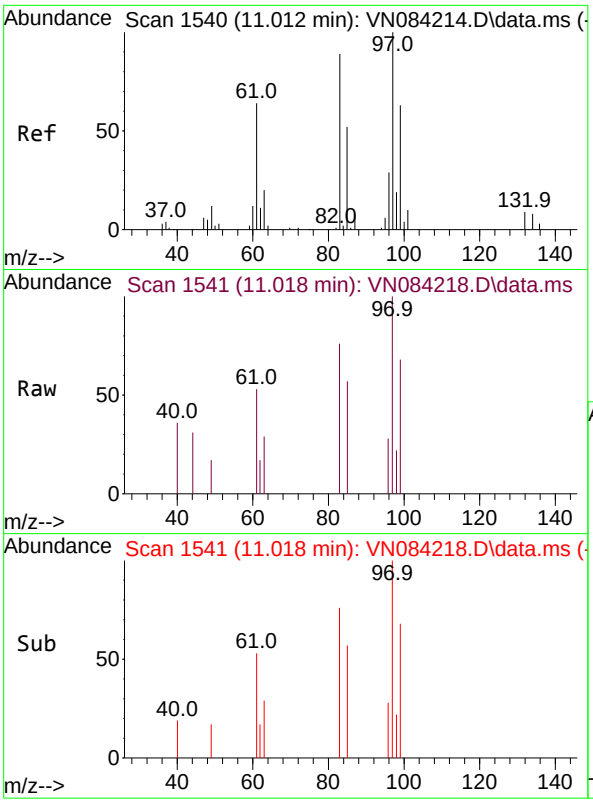


#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



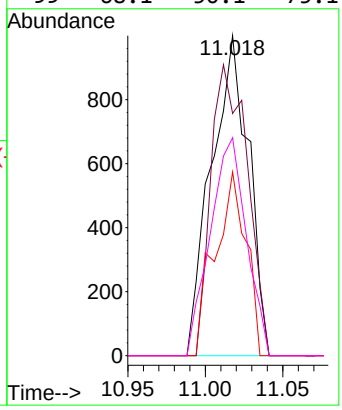


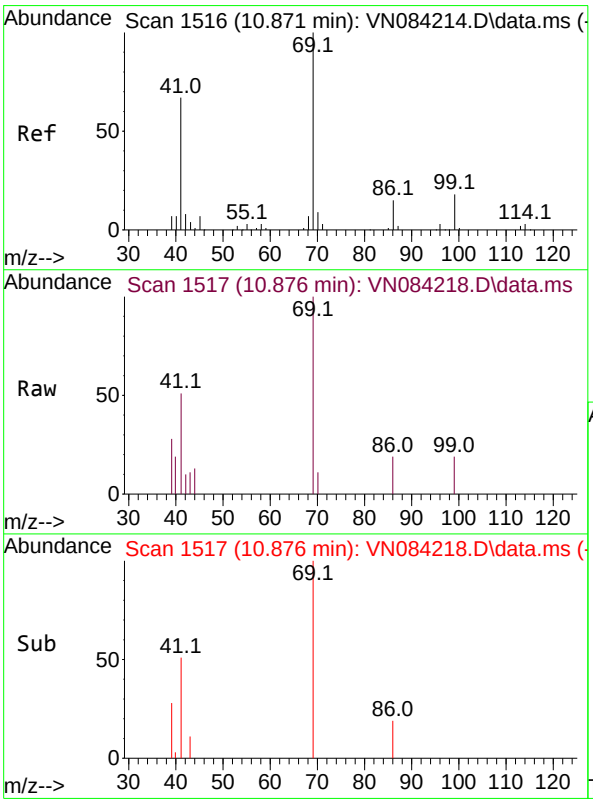
#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

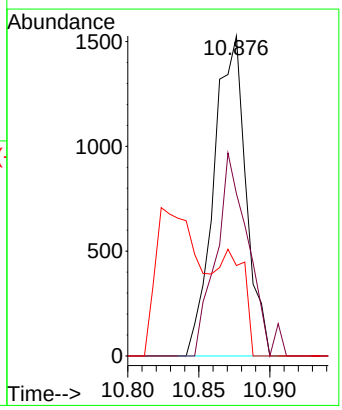


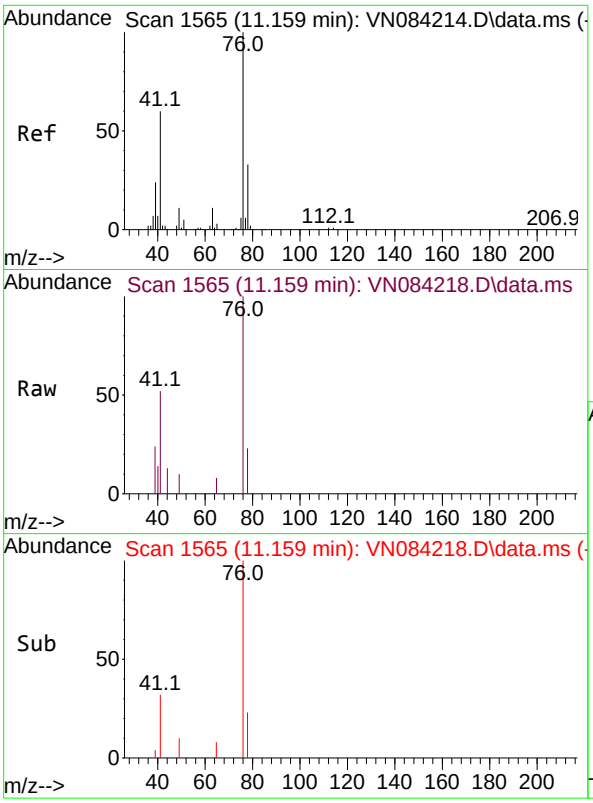


#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



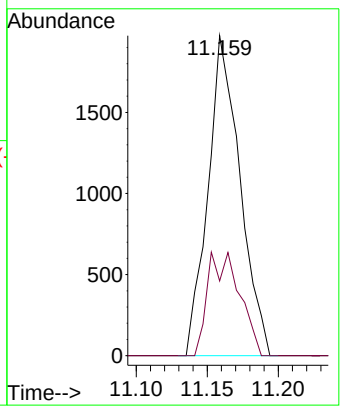


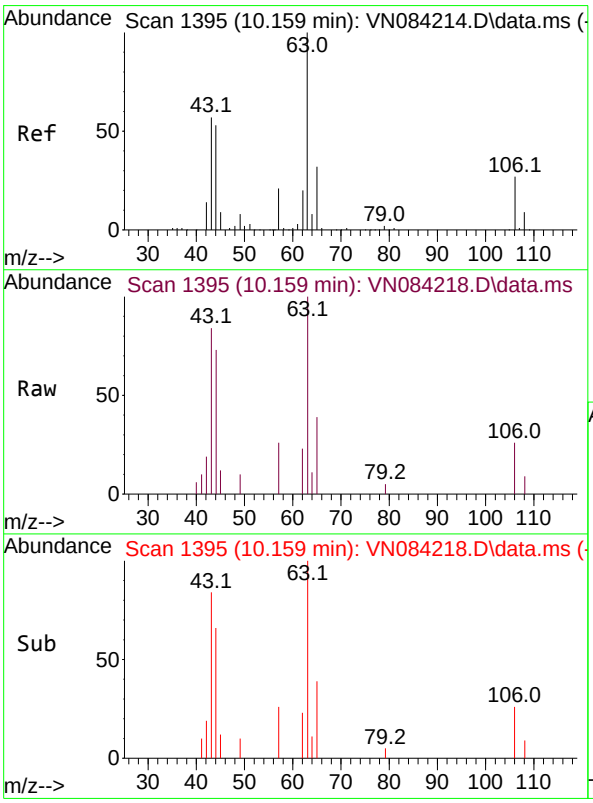
#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3092

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

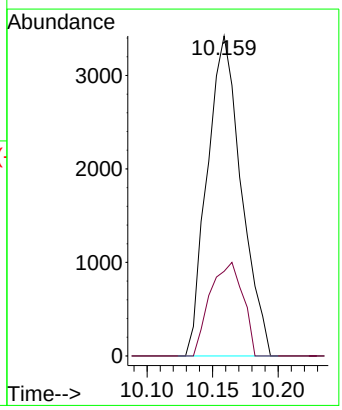


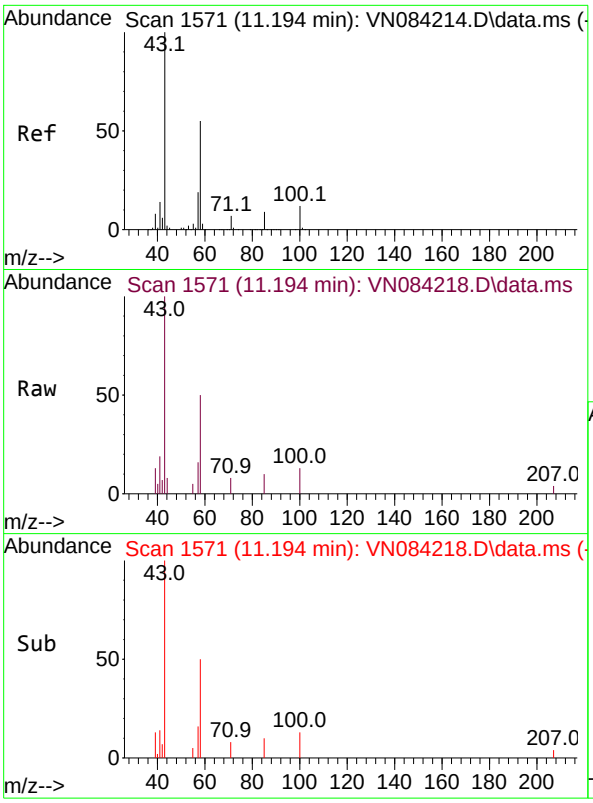


#58
2-Chloroethyl Vinyl ether
Concen: 4.278 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 6179

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



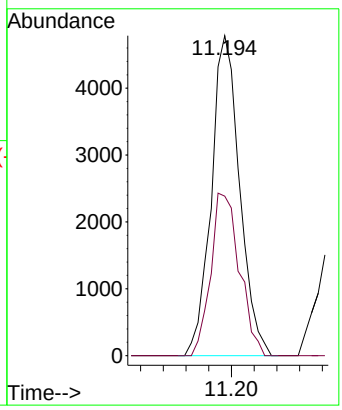


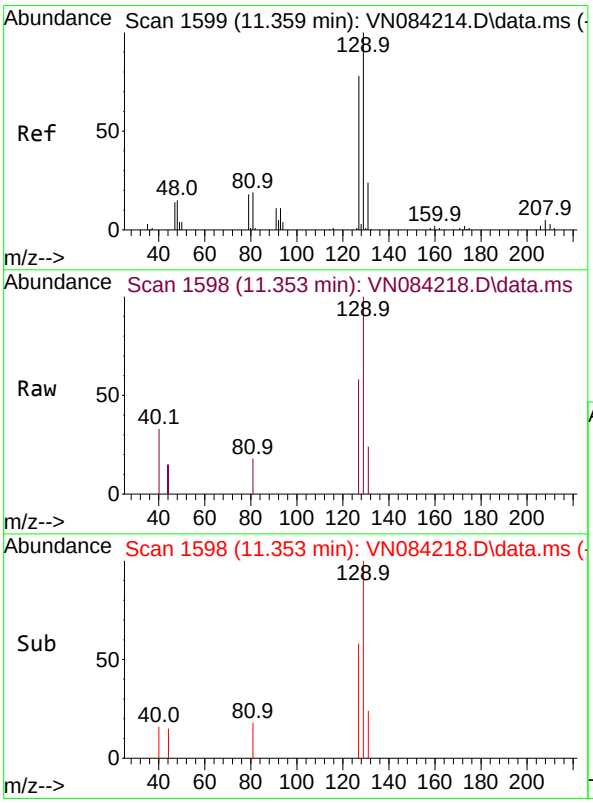
#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

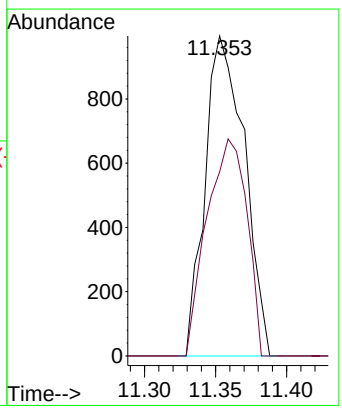


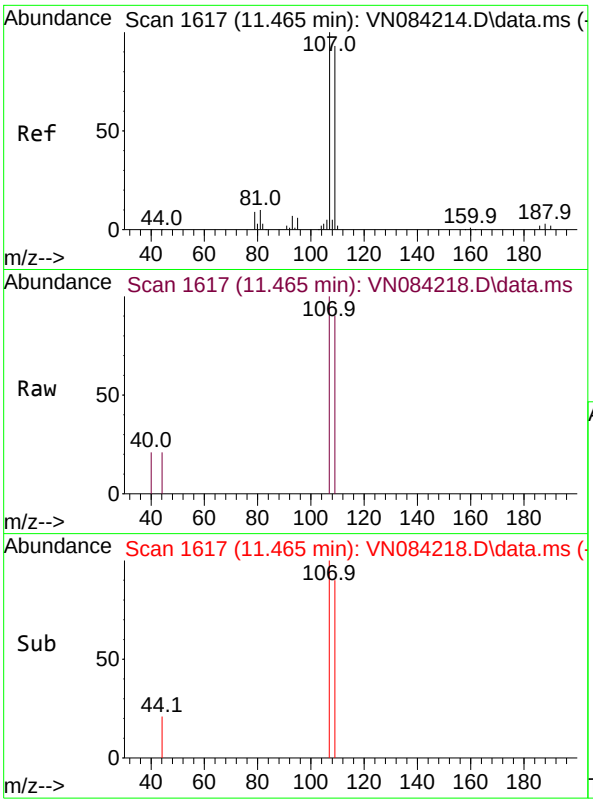


#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



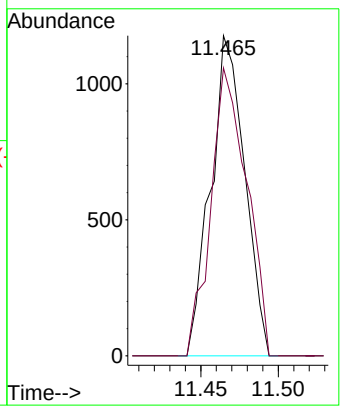


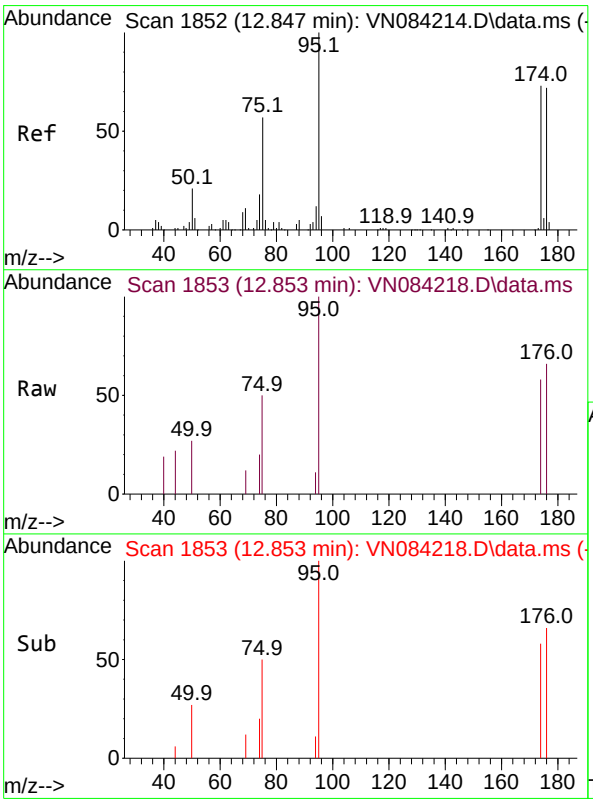
#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1795

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

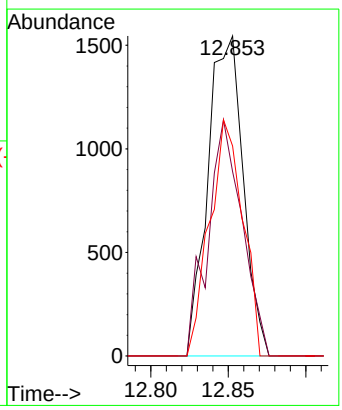


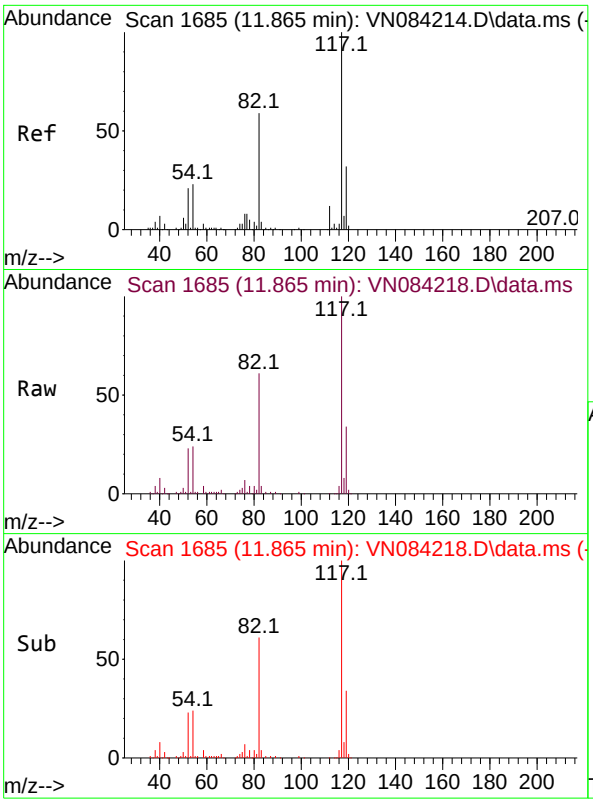


#62
4-Bromofluorobenzene
Concen: 0.956 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



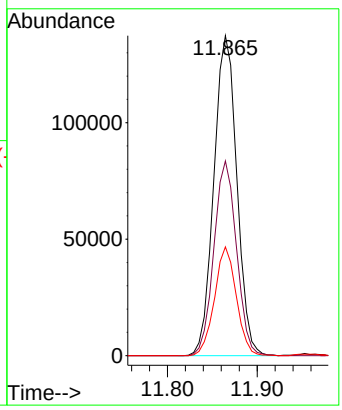


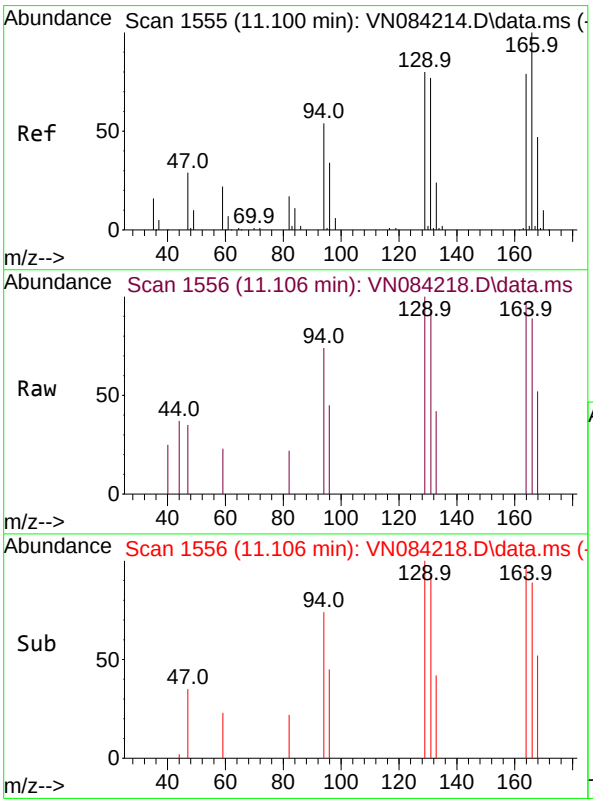
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

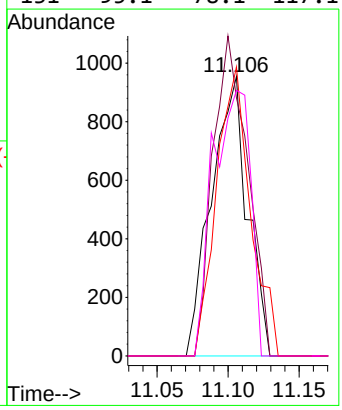


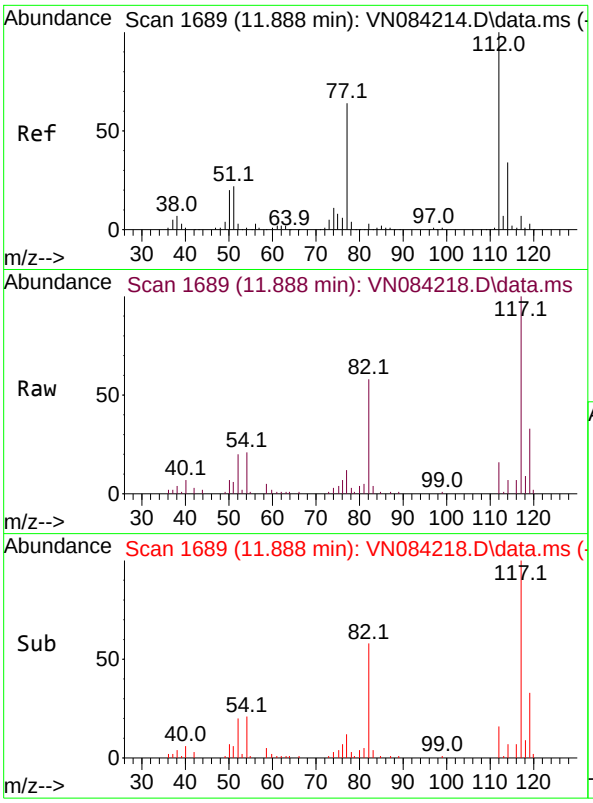


#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



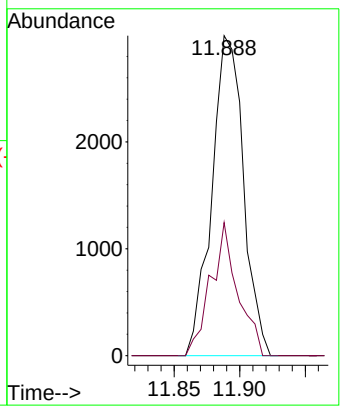


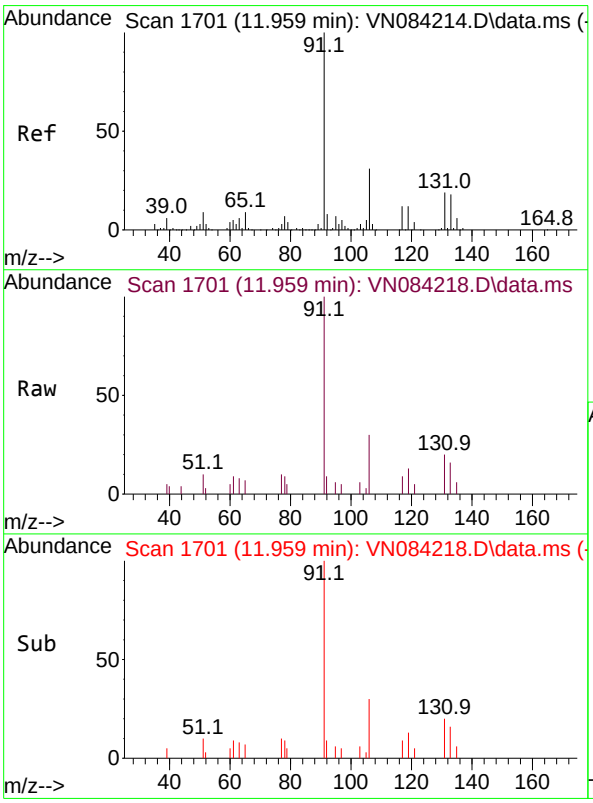
#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

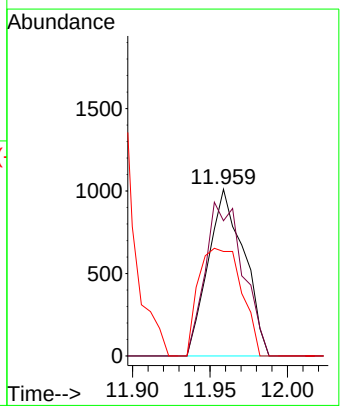


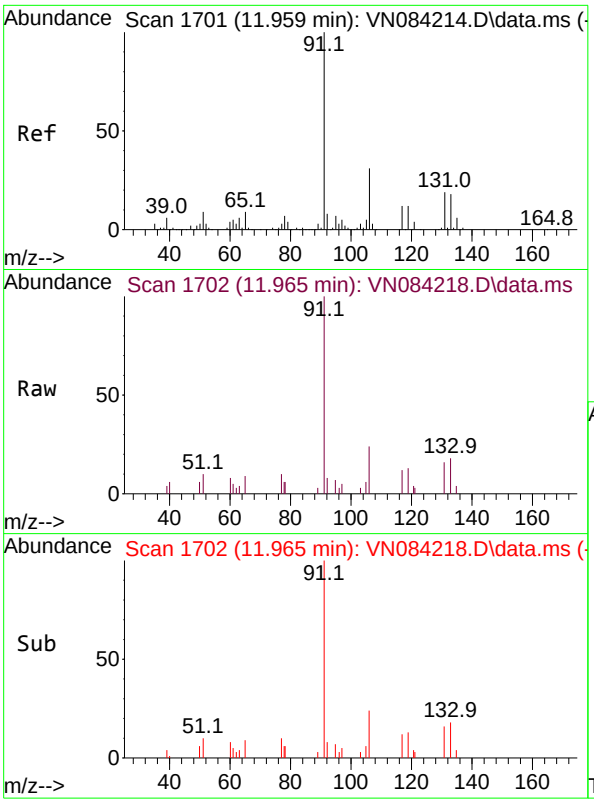


#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



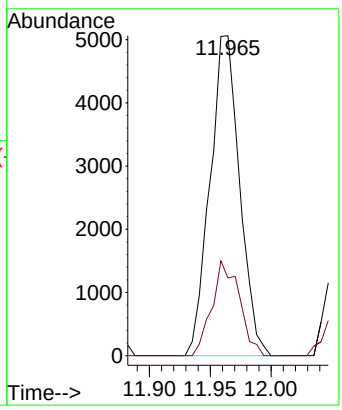


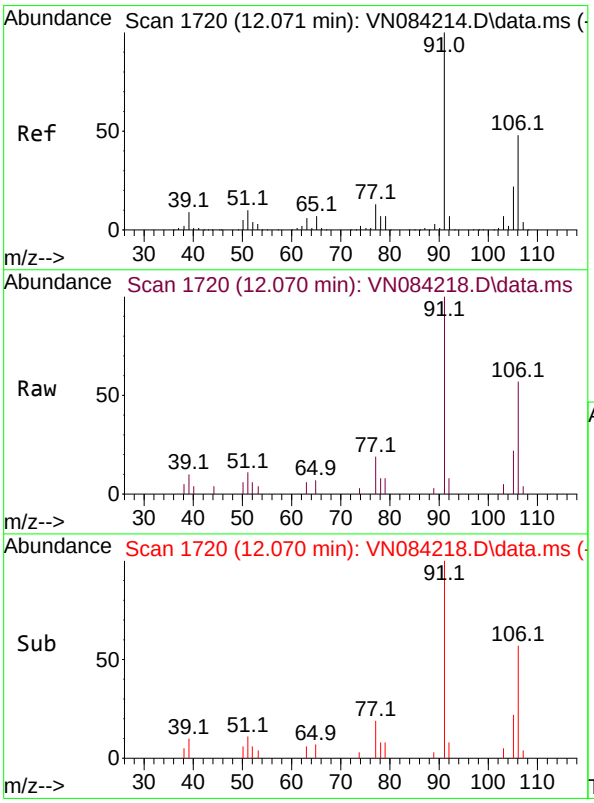
#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

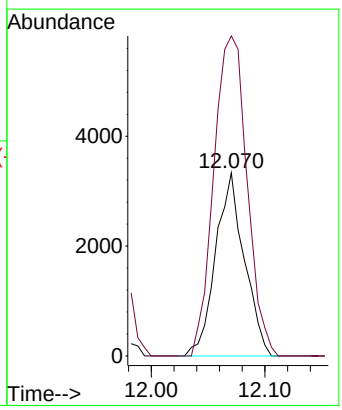


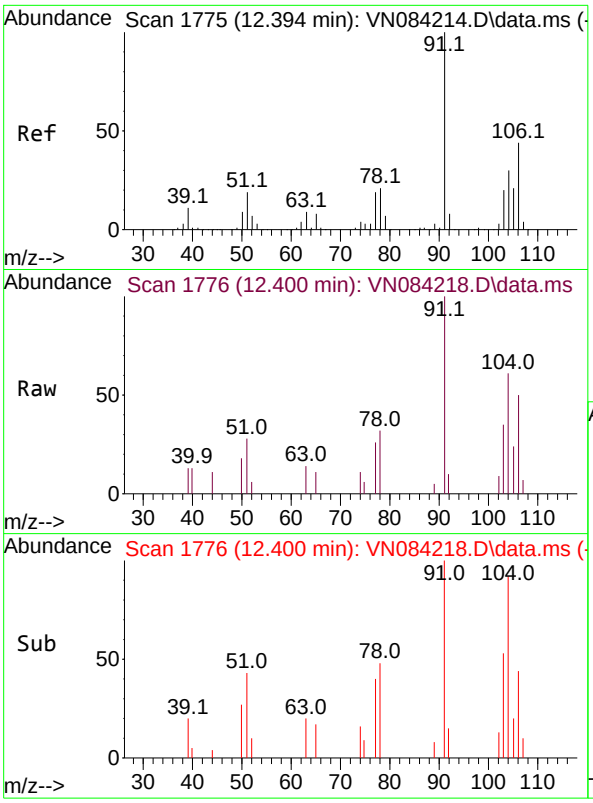


#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



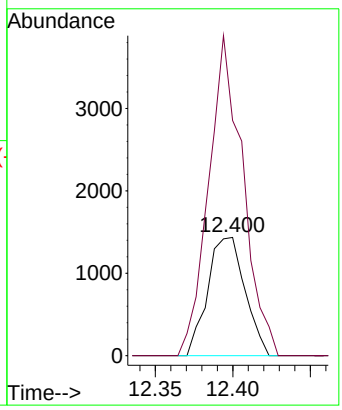


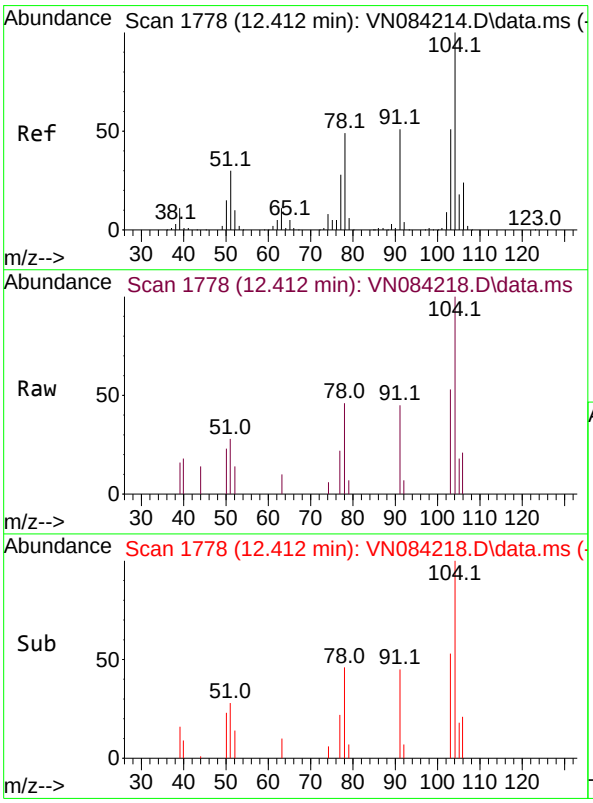
#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

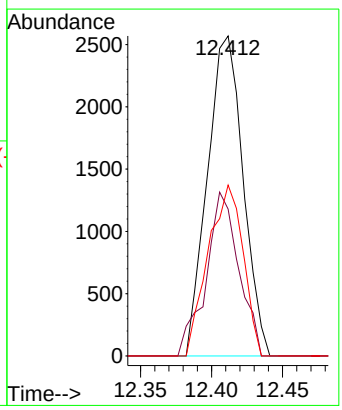


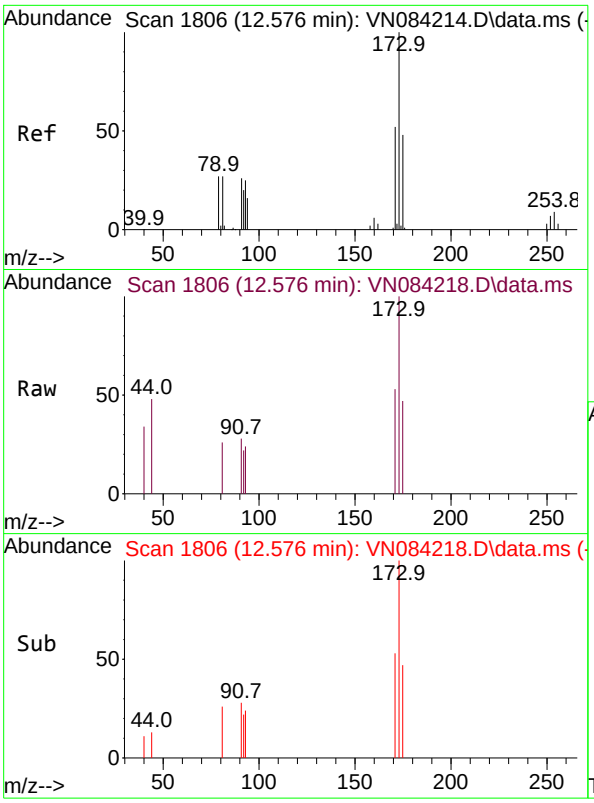


#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



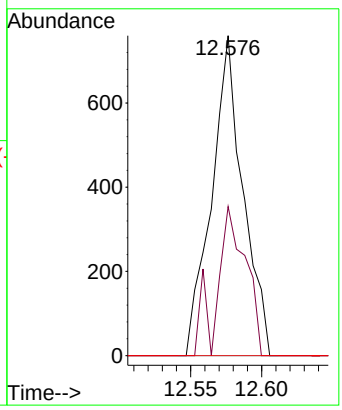


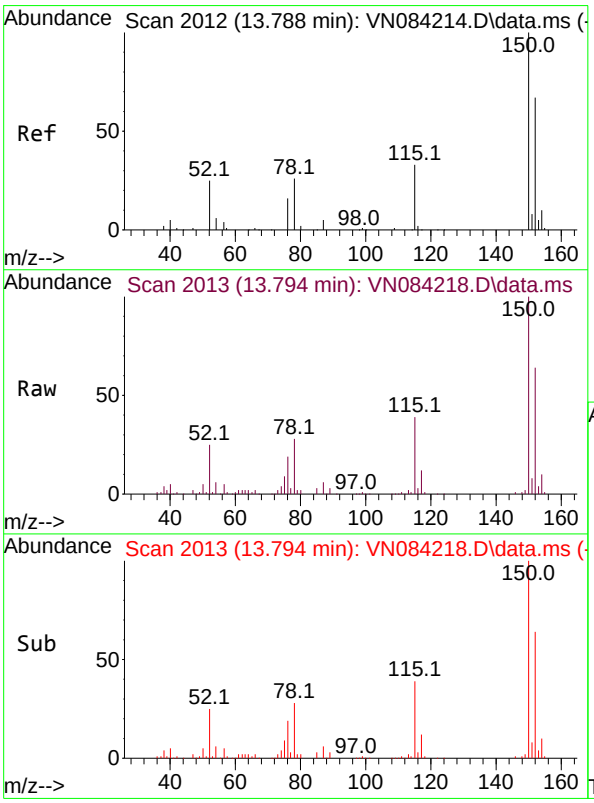
#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

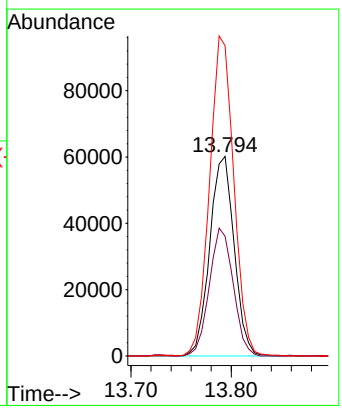


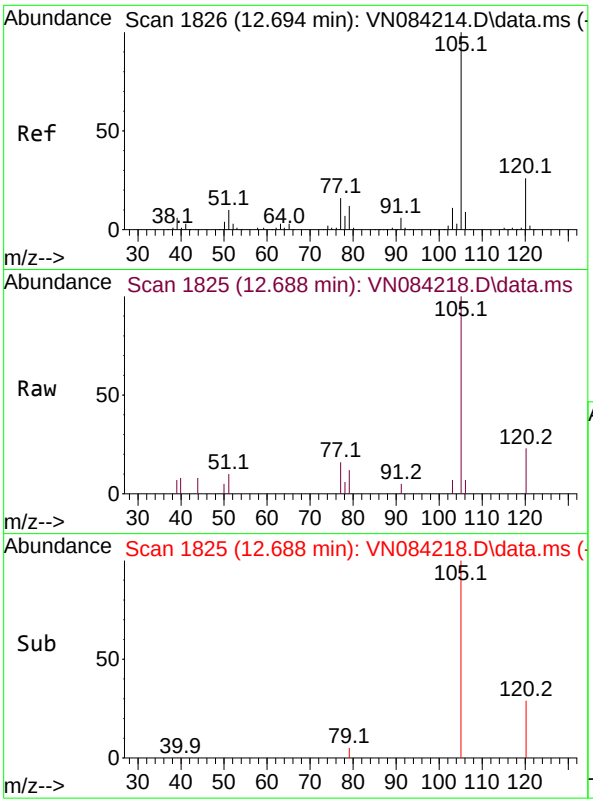


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



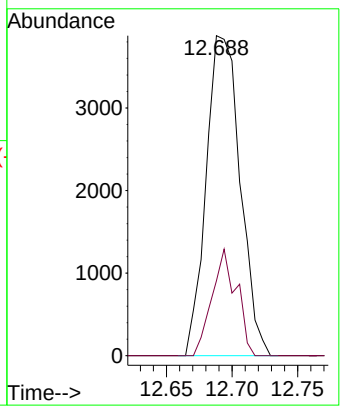


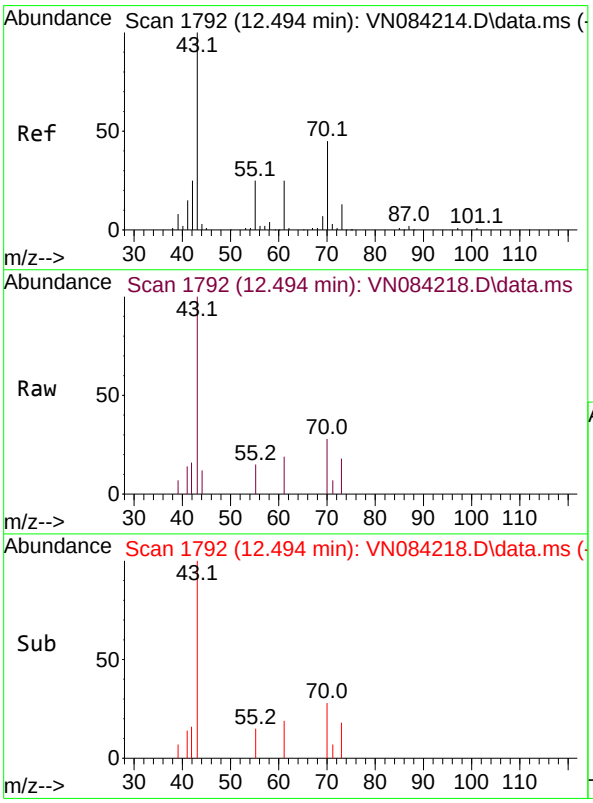
#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

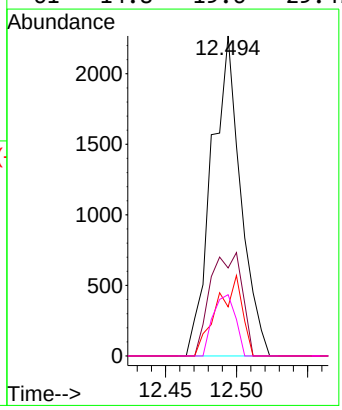


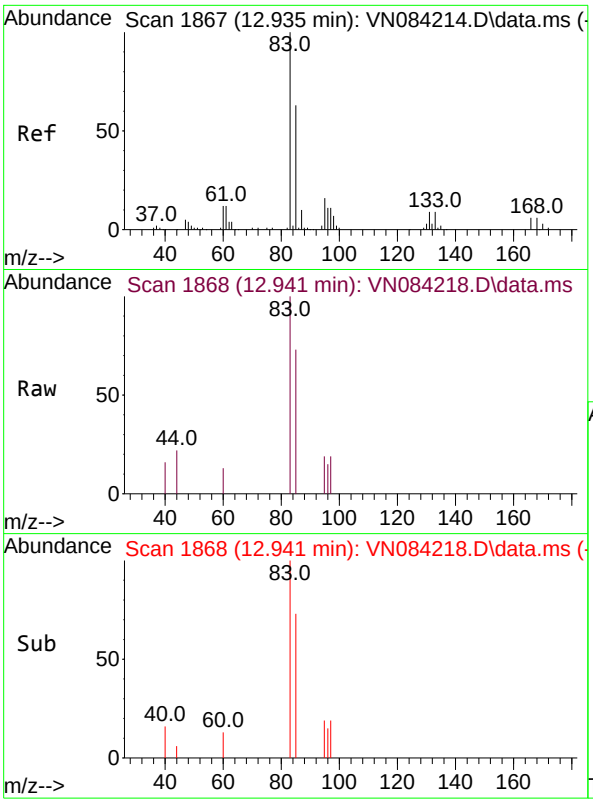


#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



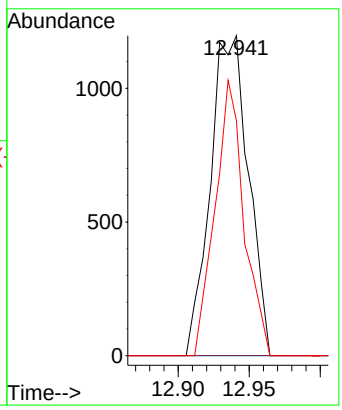


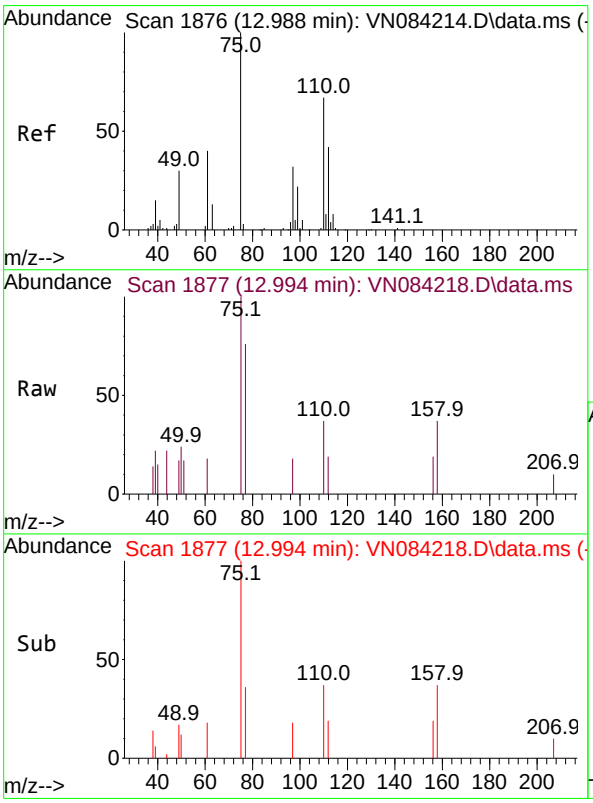
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

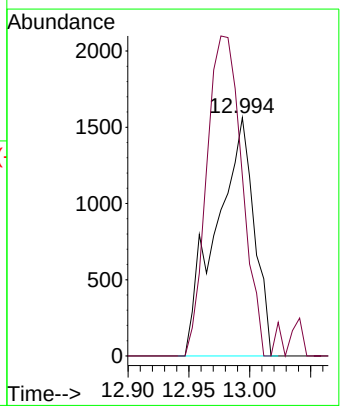


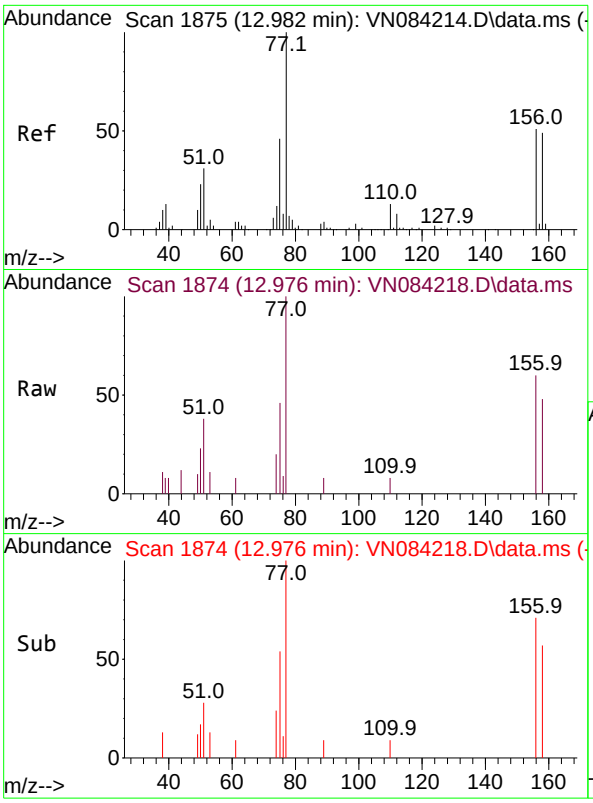


#76
1,2,3-Trichloropropane
Concen: 1.671 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 3395

Ion	Ratio	Lower	Upper
75	100		
77	124.4	96.9	290.7



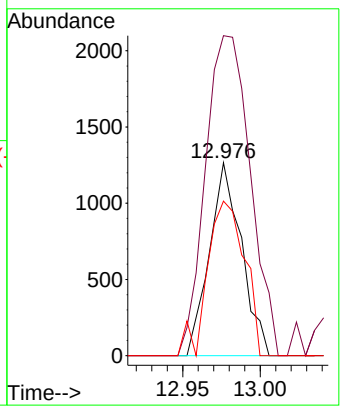


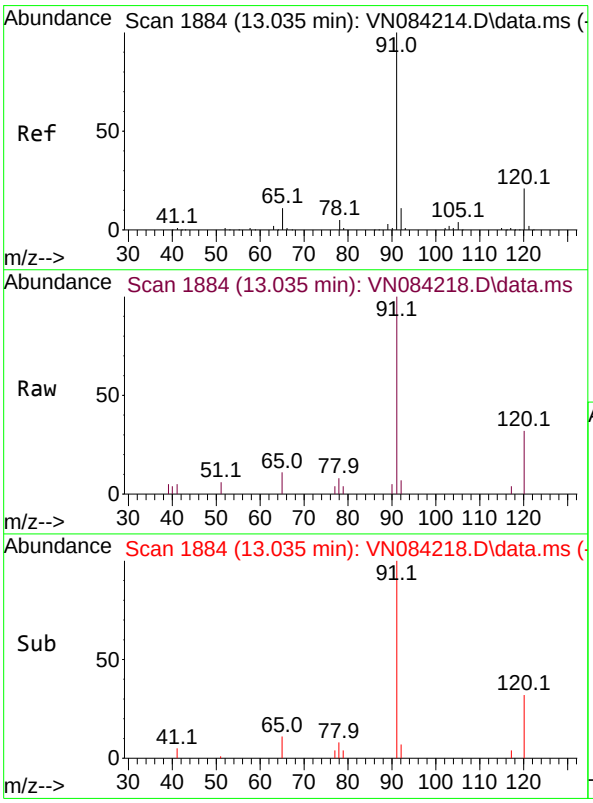
#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

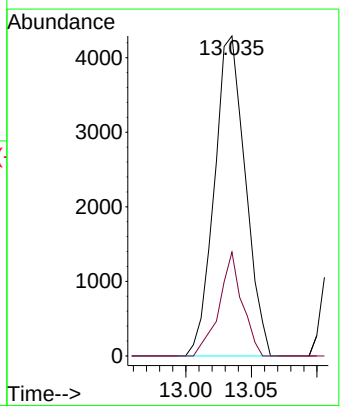


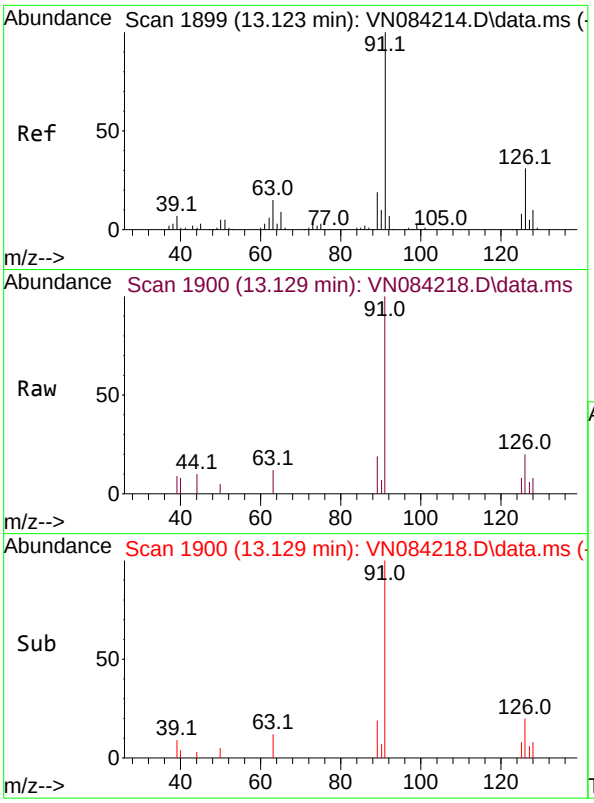


#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



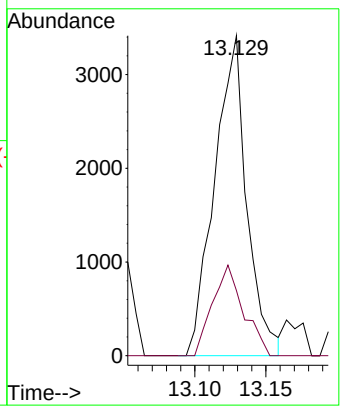


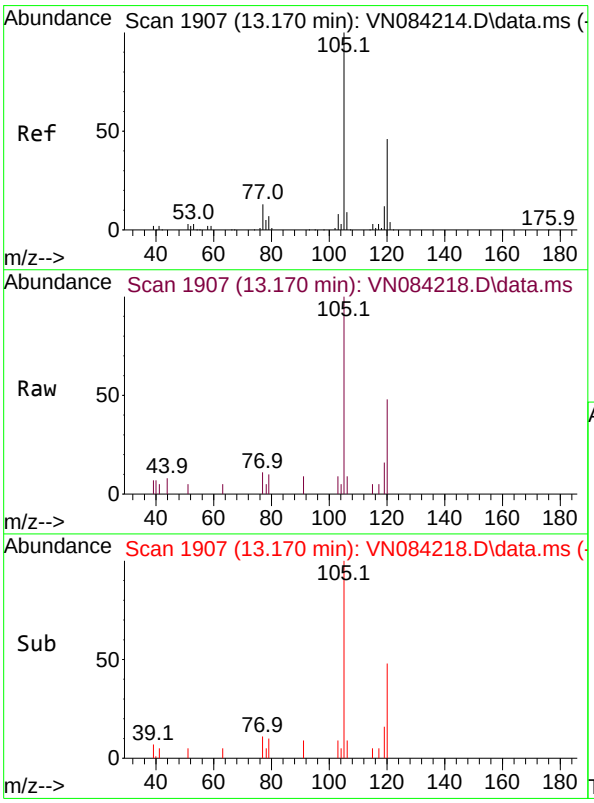
#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

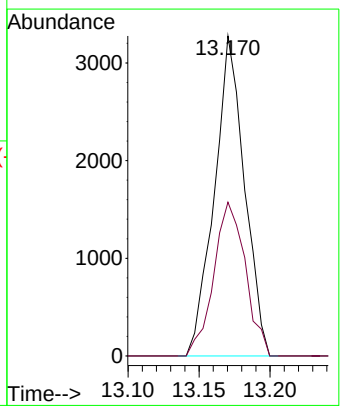


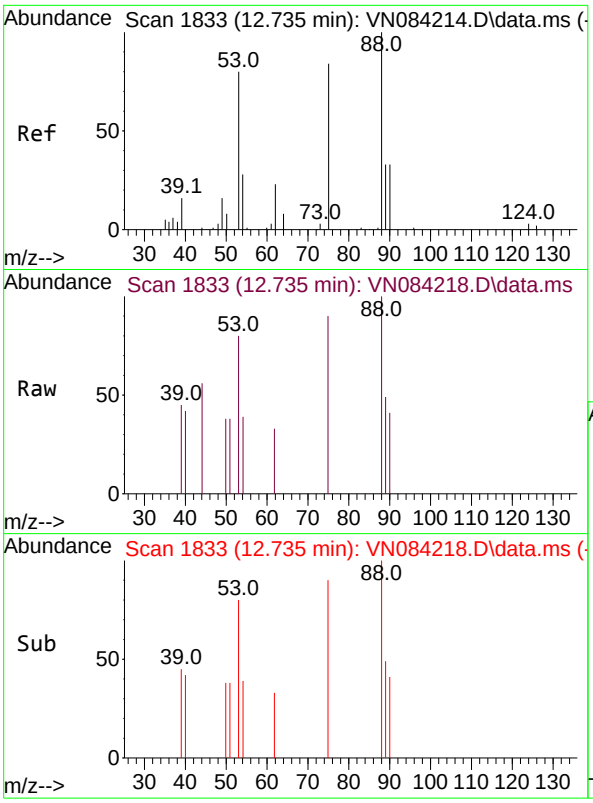


#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



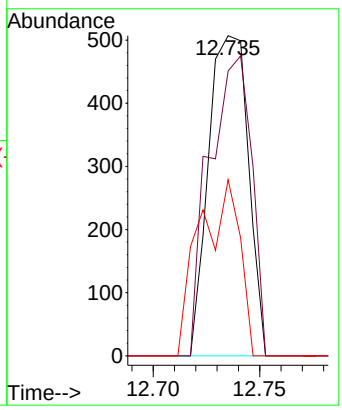


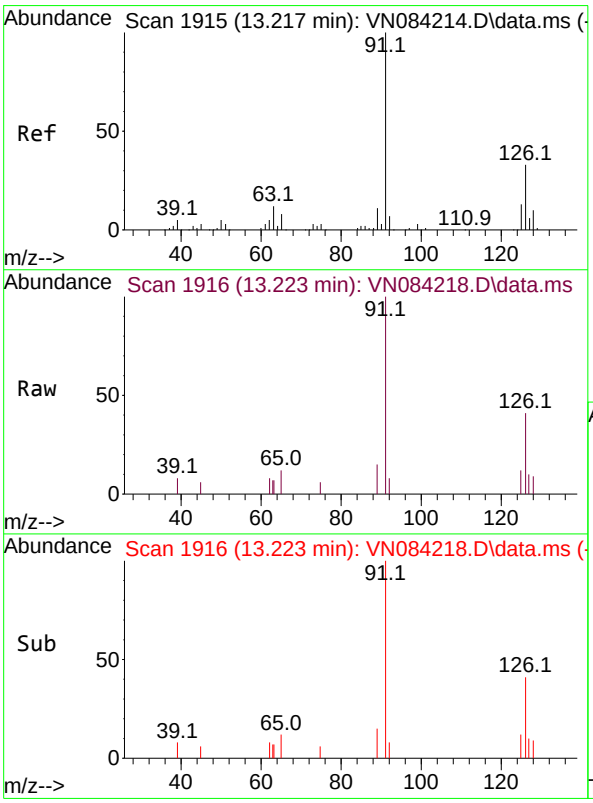
#81
trans-1,4-Dichloro-2-butene
Concen: 0.760 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

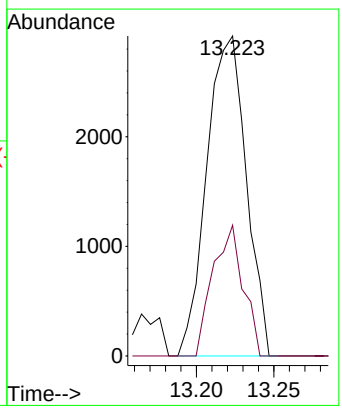


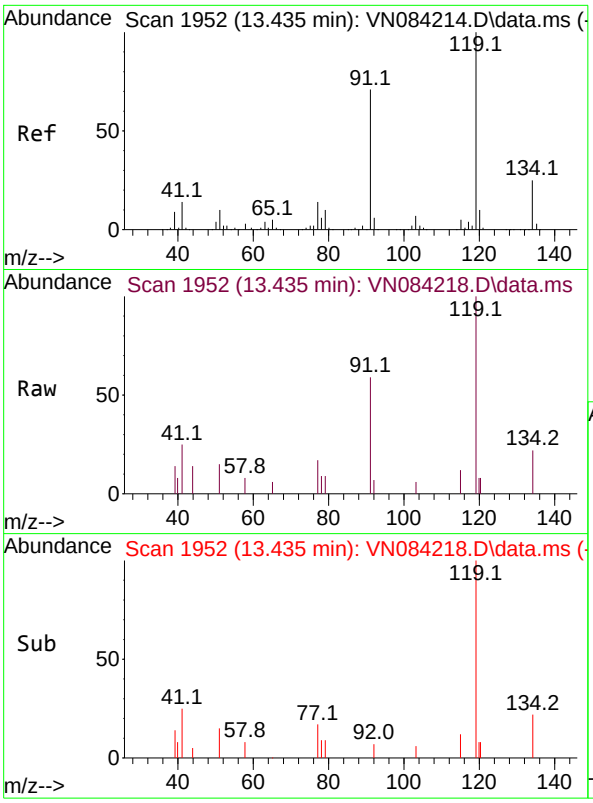


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



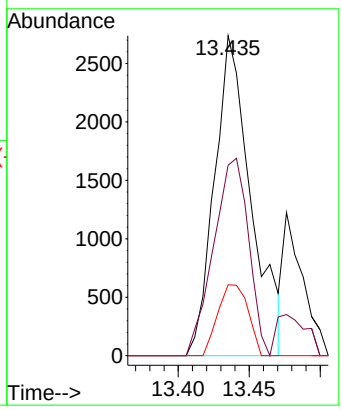


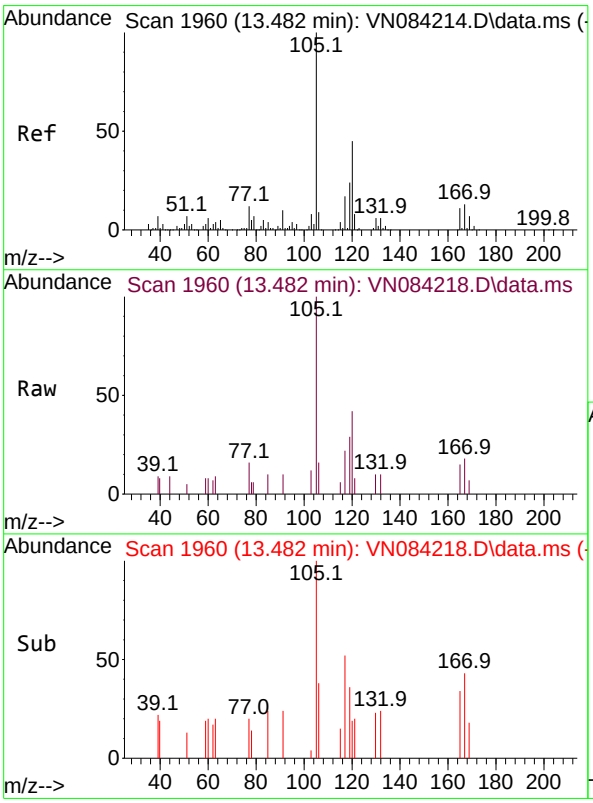
#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

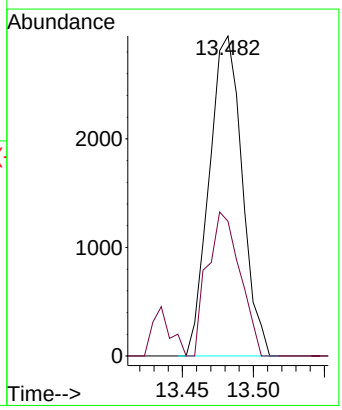


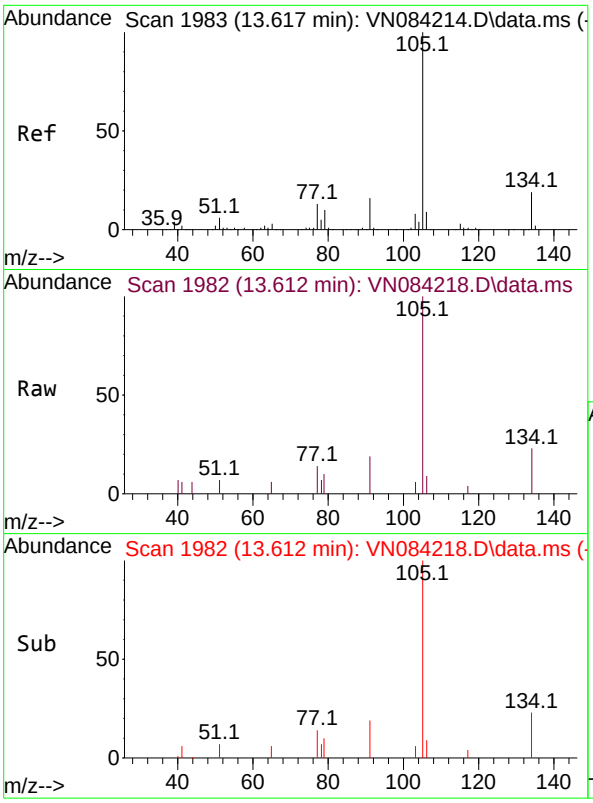


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8



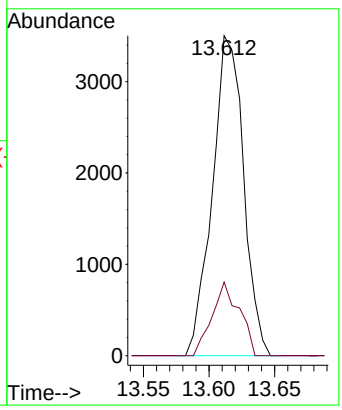


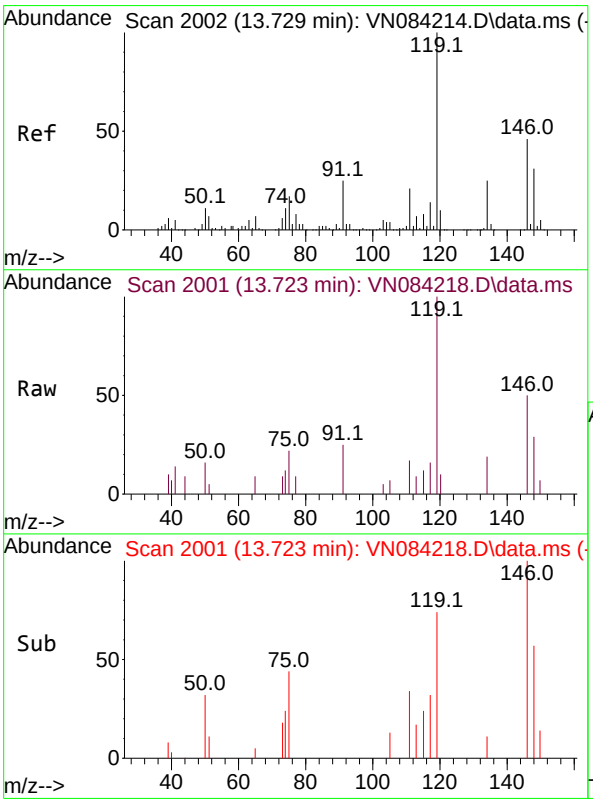
#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5795

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

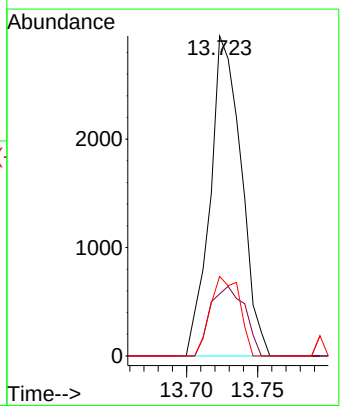


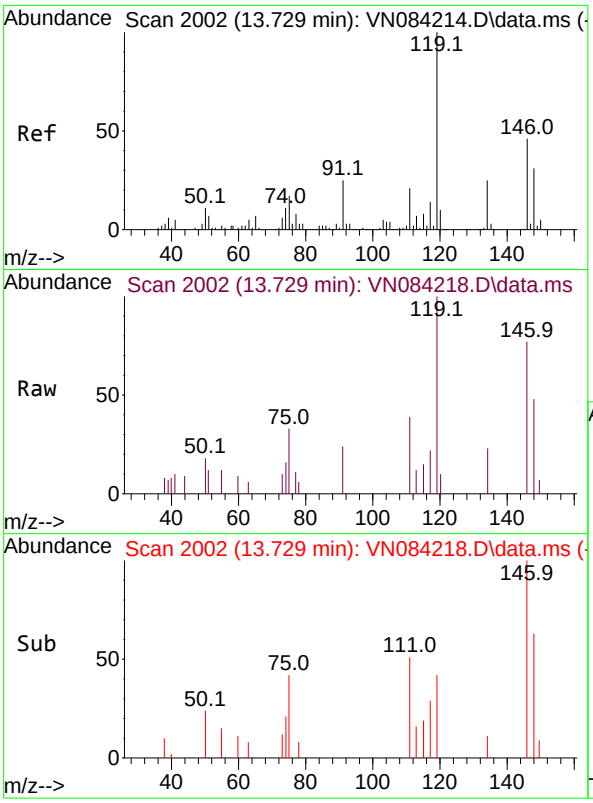


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



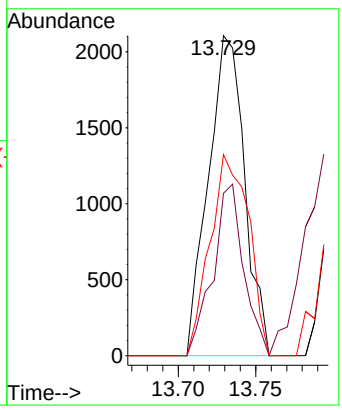


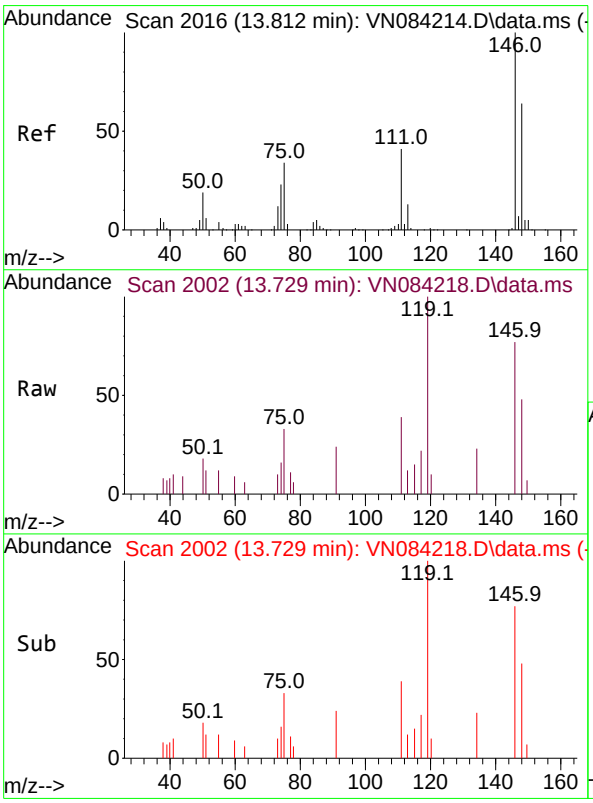
#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

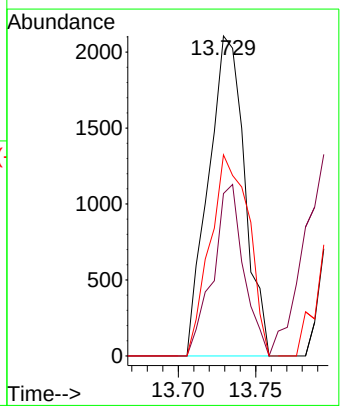


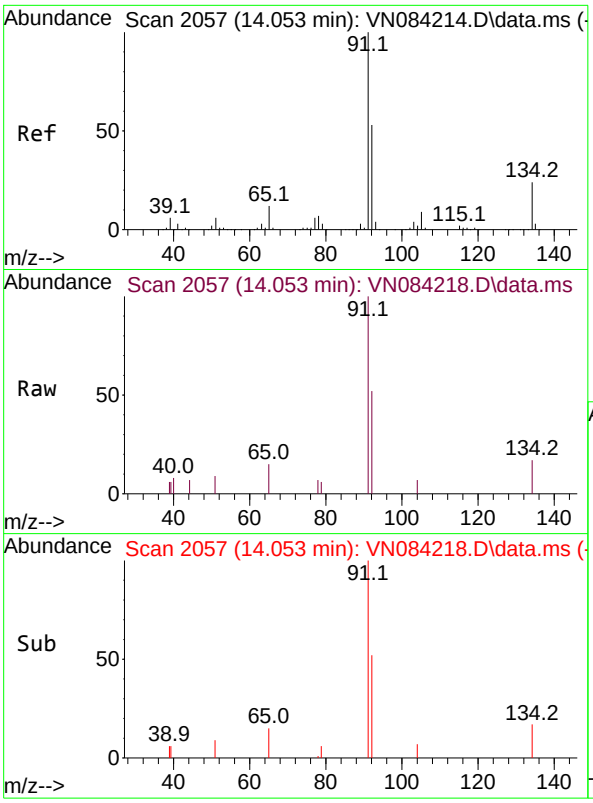


#88
1,4-Dichlorobenzene
Concen: 0.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



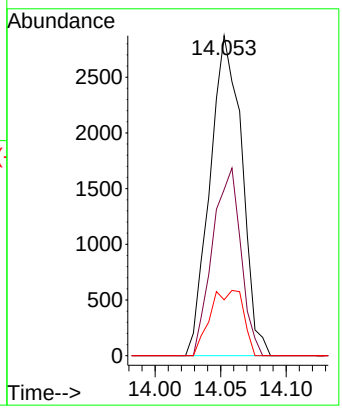


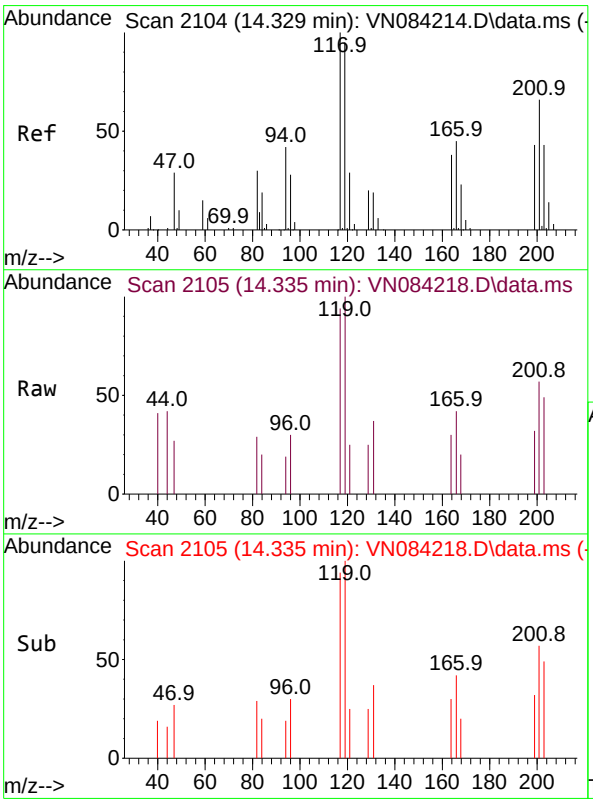
#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

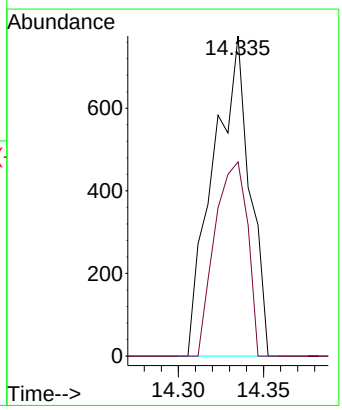


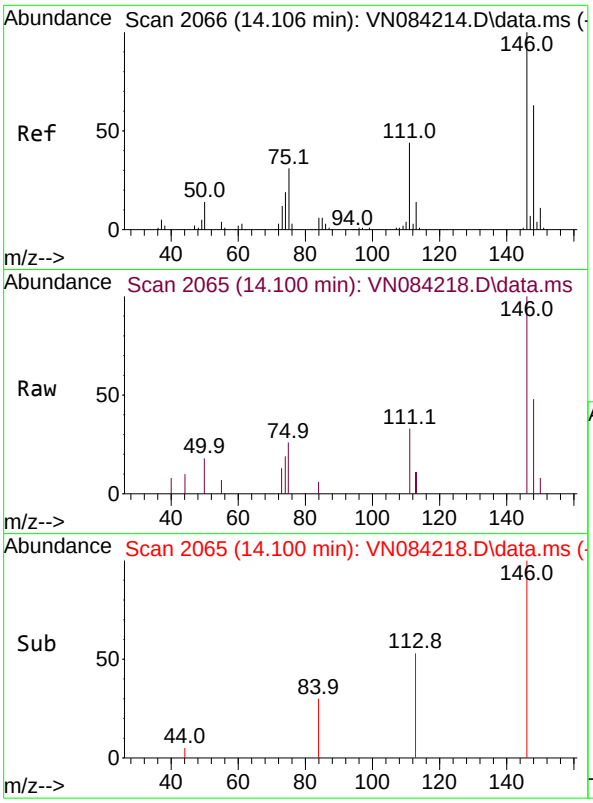


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2



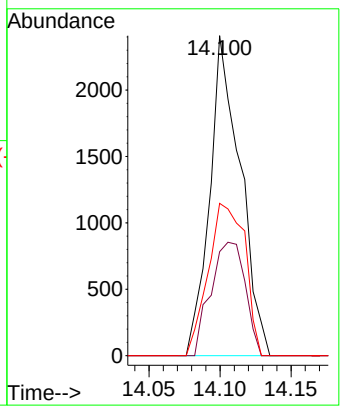


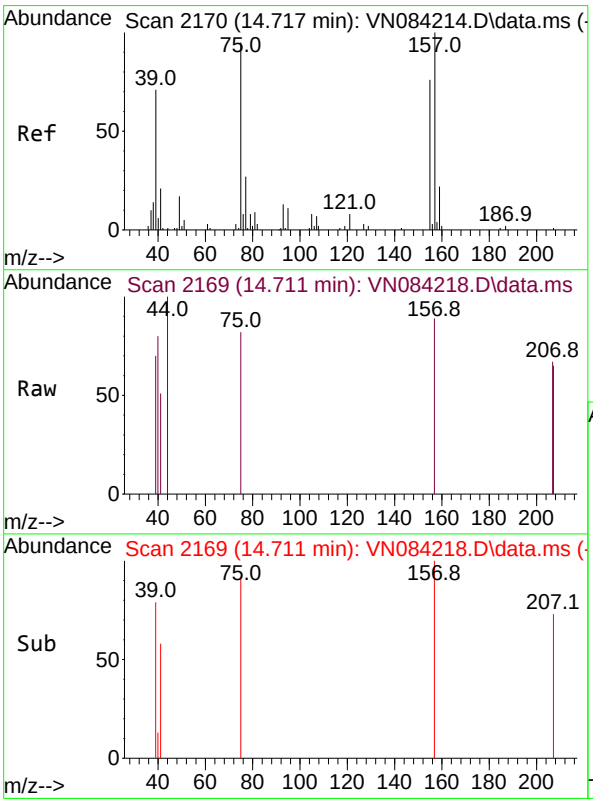
#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

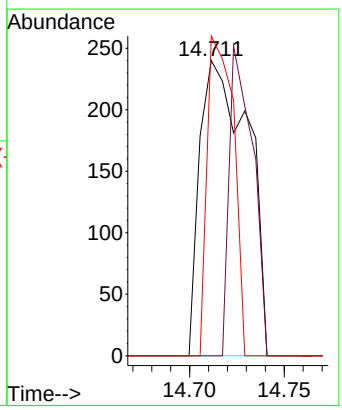


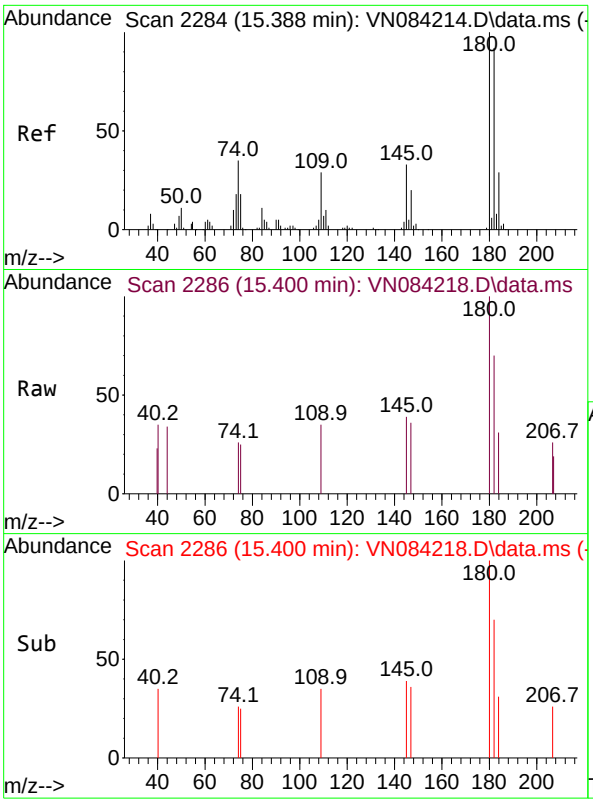


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



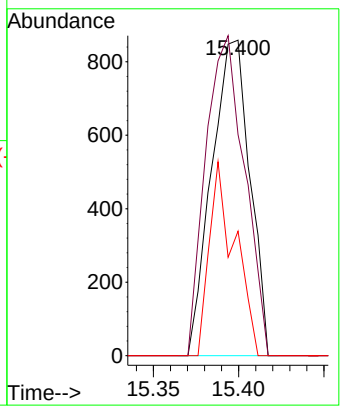


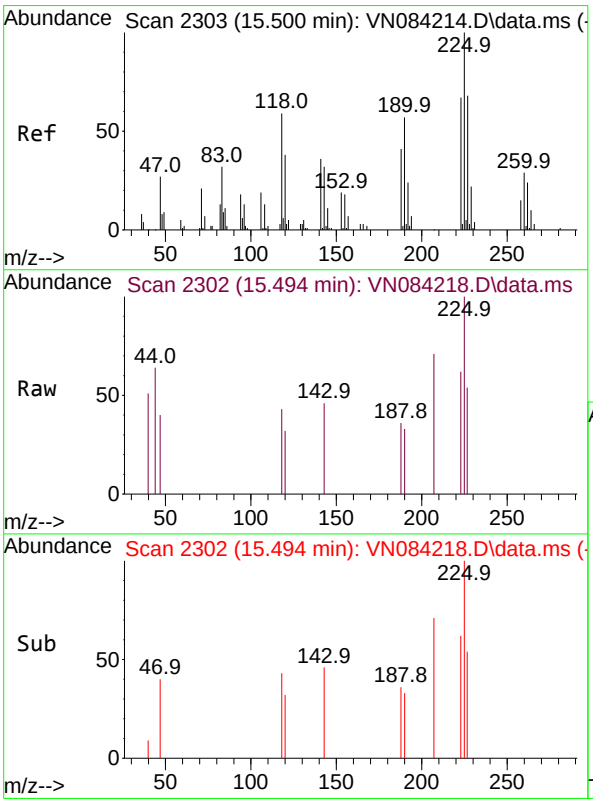
#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

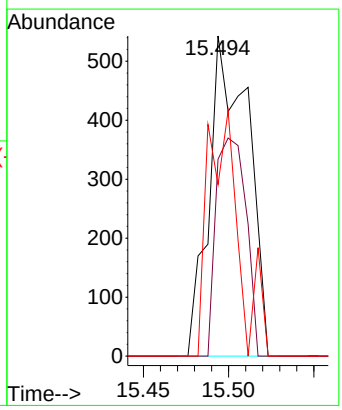


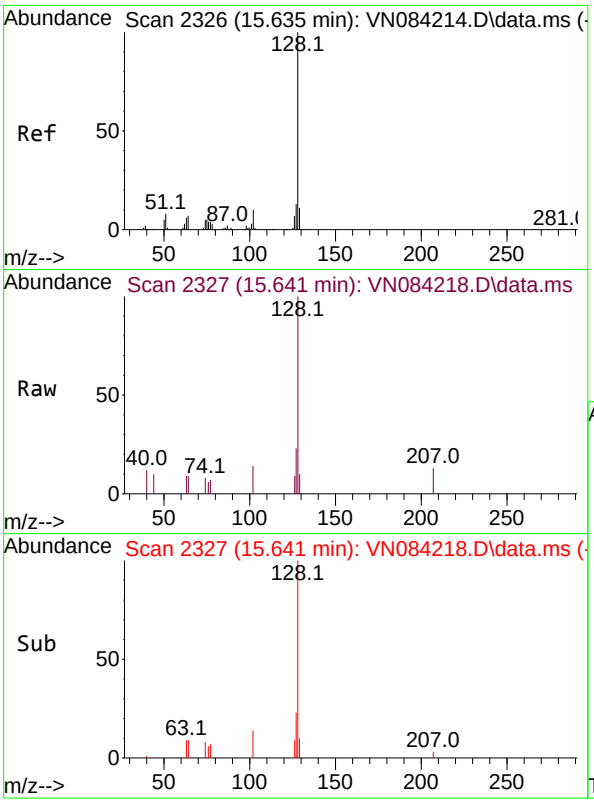


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



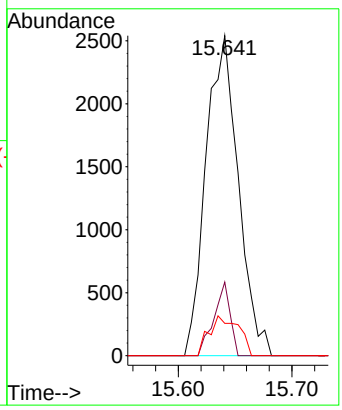


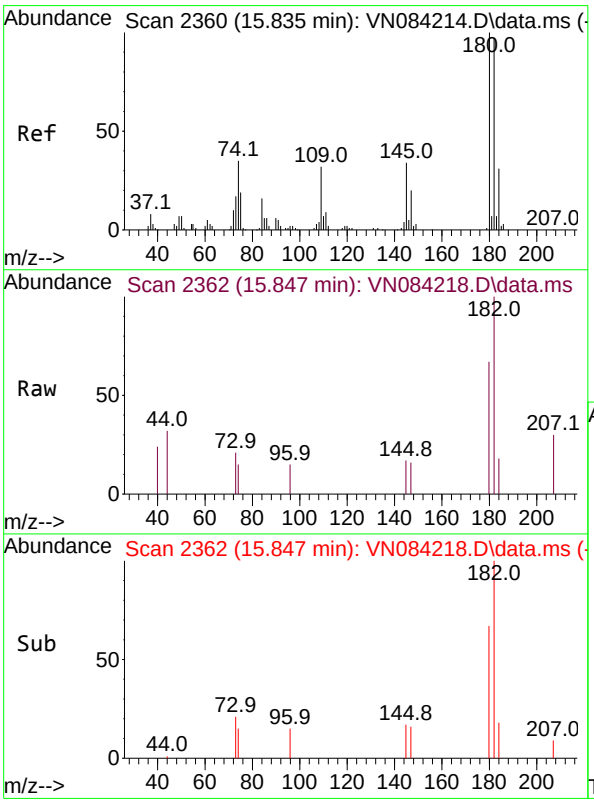
#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

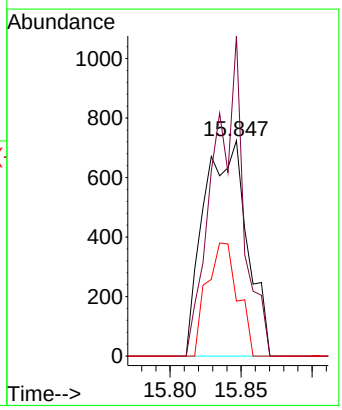




#96
1,2,3-Trichlorobenzene
Concen: 0.899 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

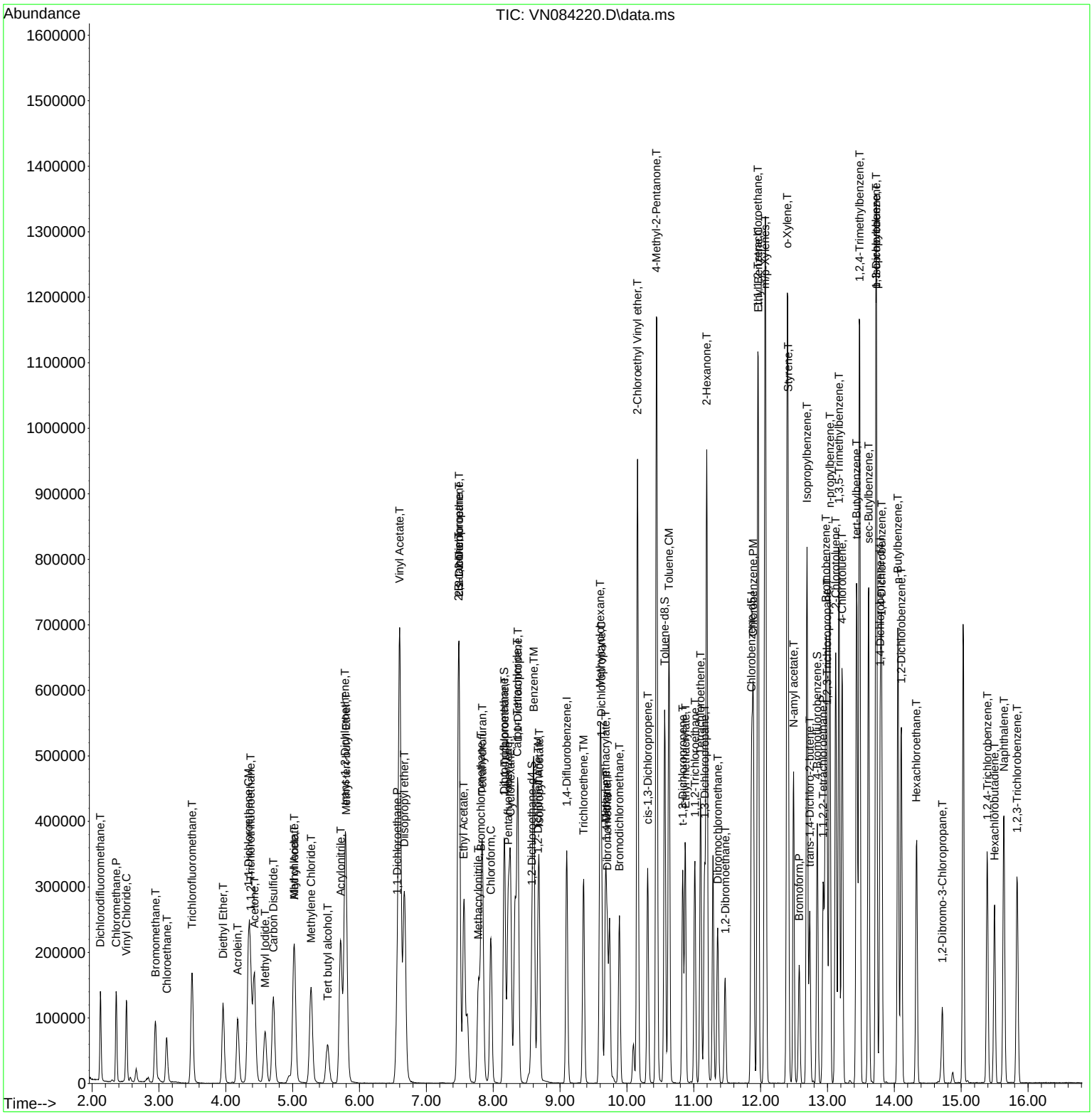
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

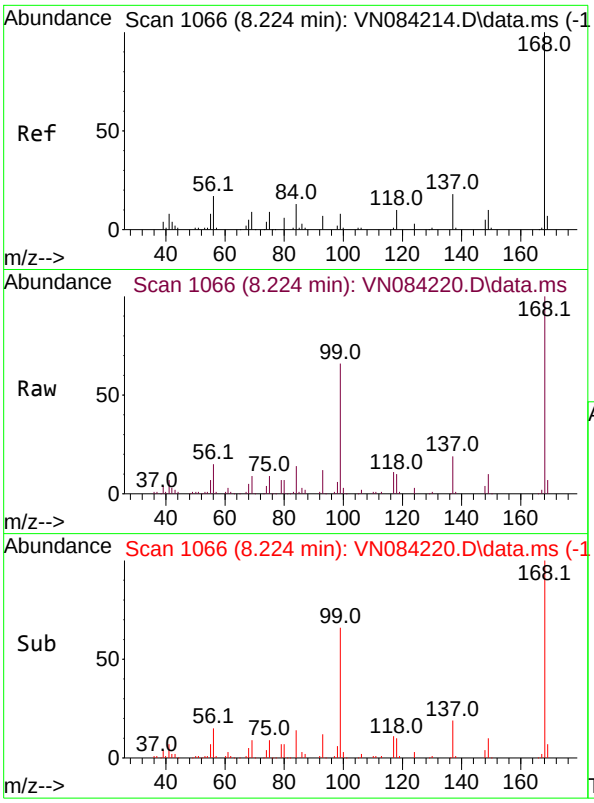
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



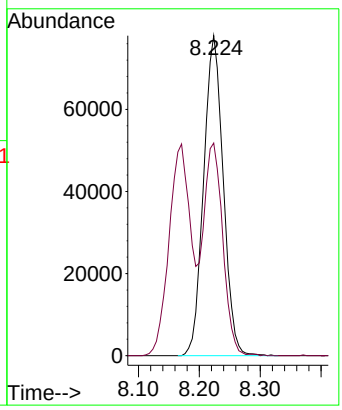


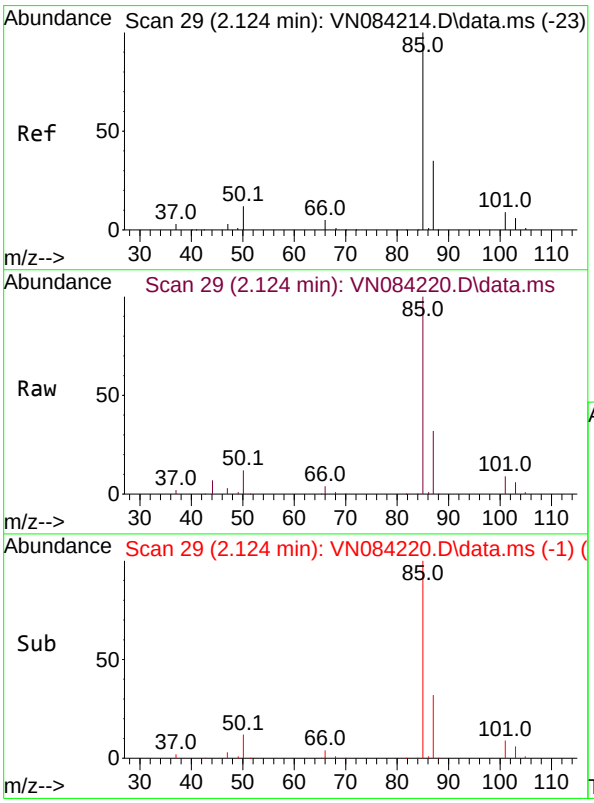
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:168 Resp: 174241

Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2

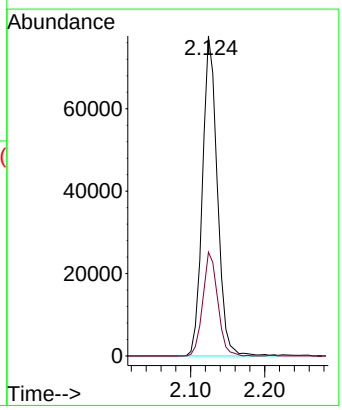


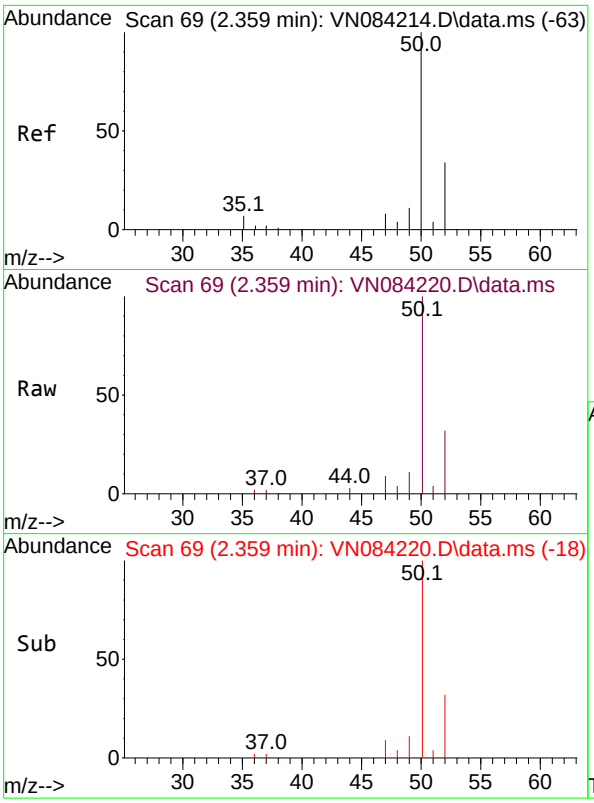


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9



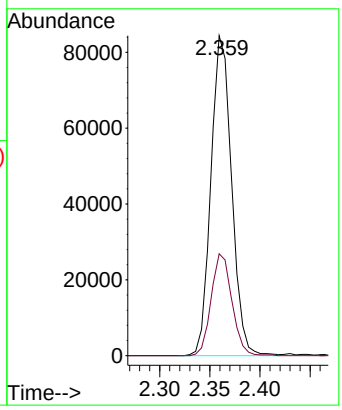


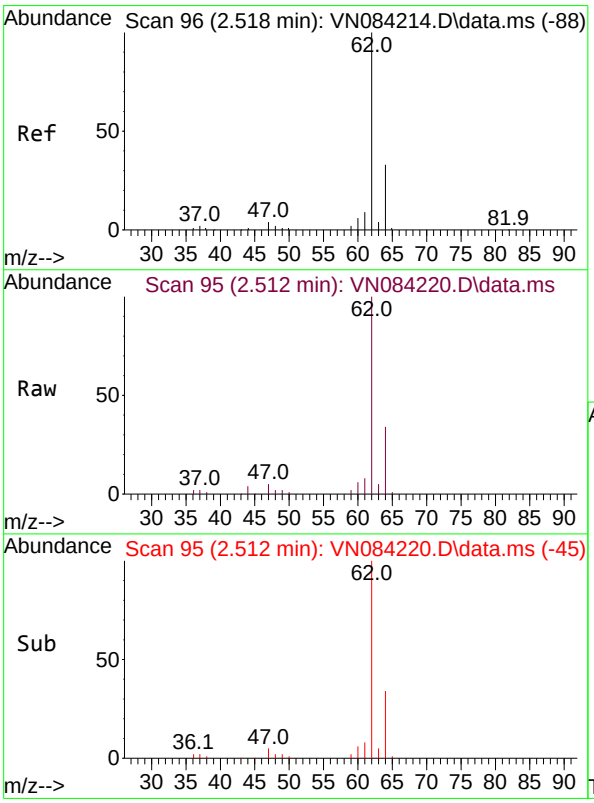
#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 50 Resp: 121140

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2

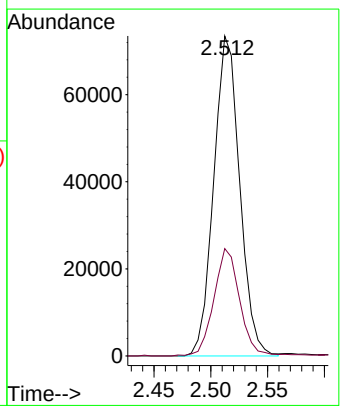


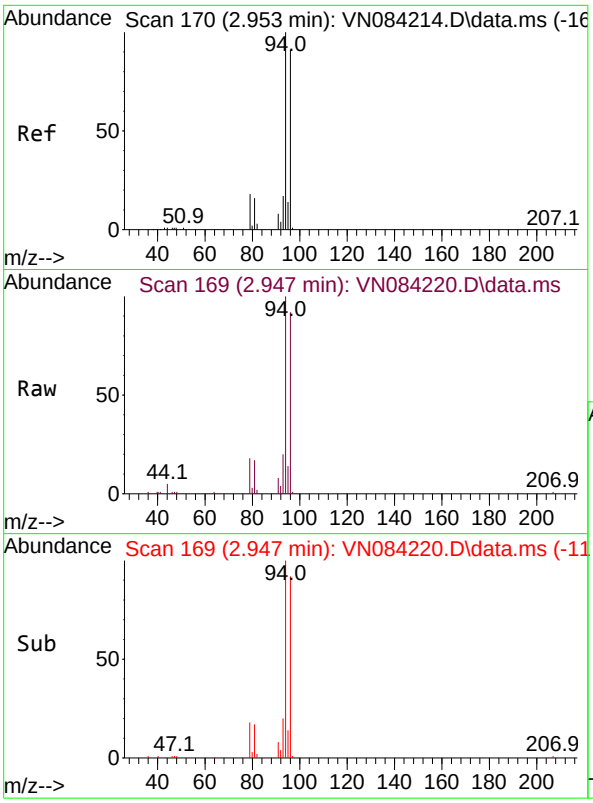


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4



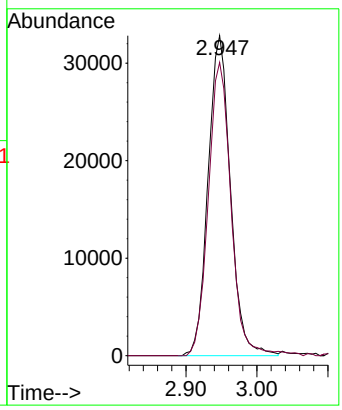


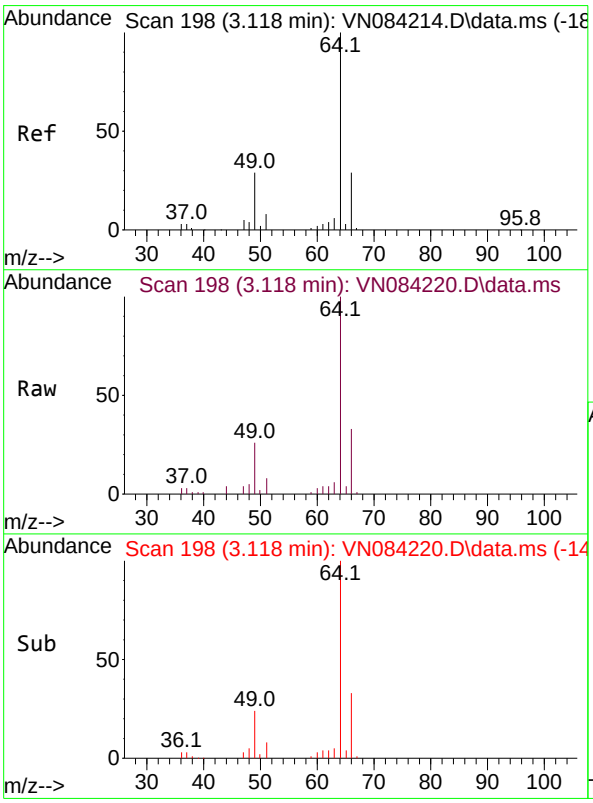
#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 94 Resp: 71654

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3

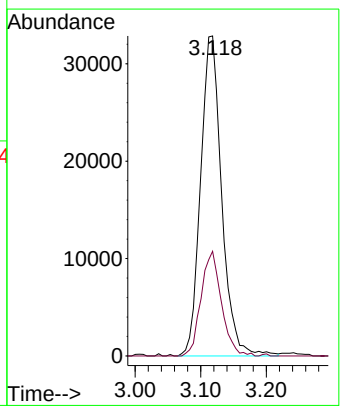


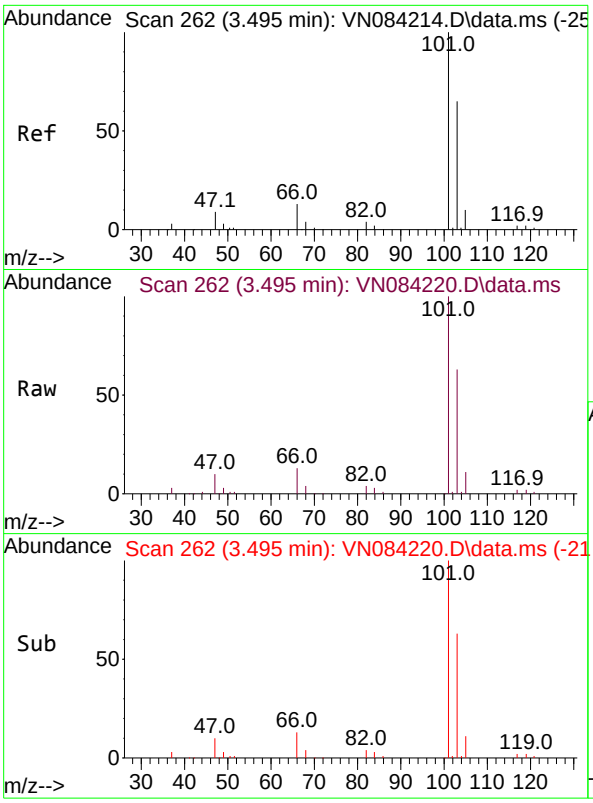


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3



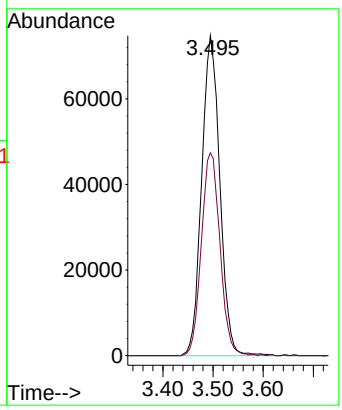


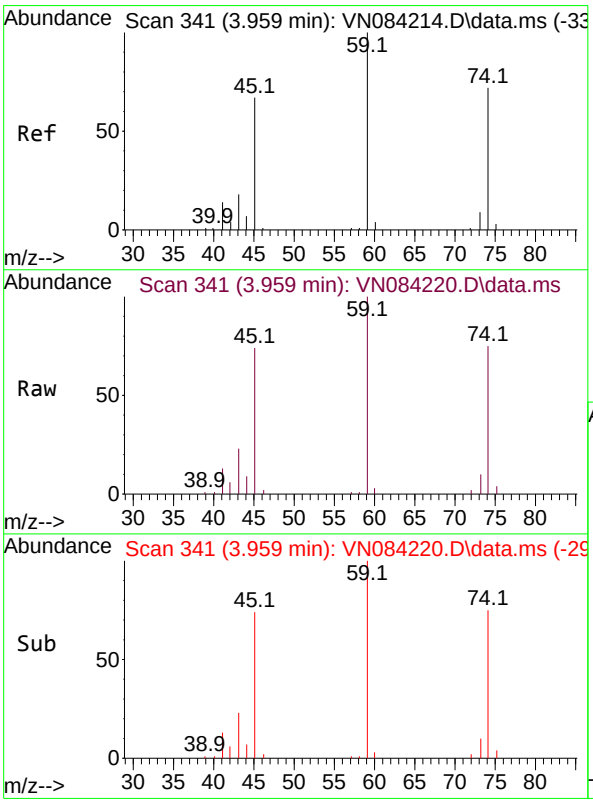
#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:101 Resp: 188482

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

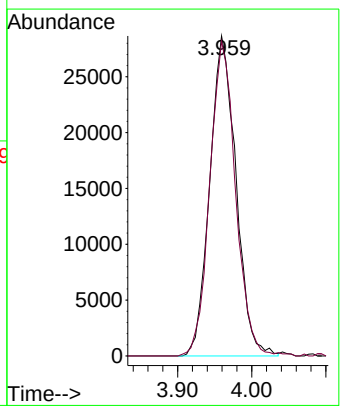


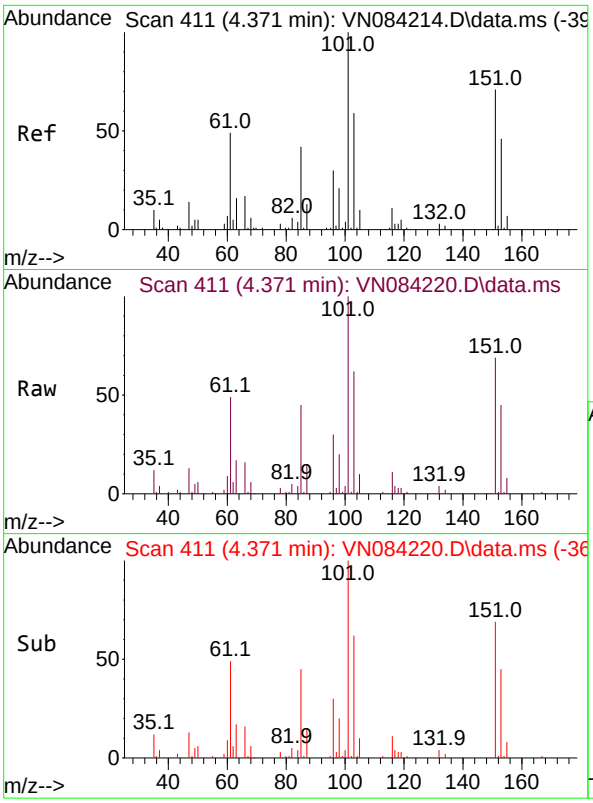


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1



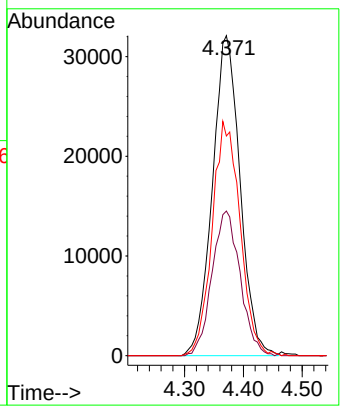


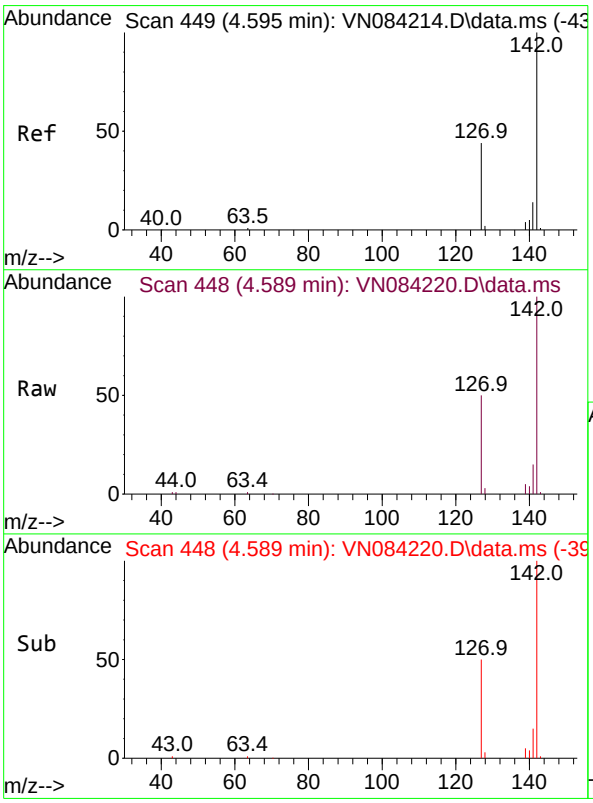
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

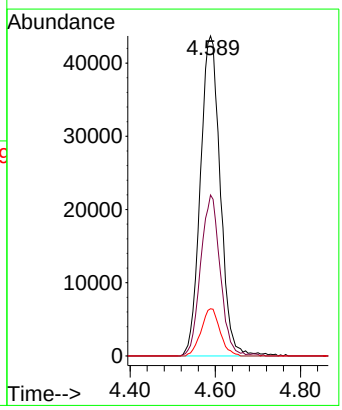


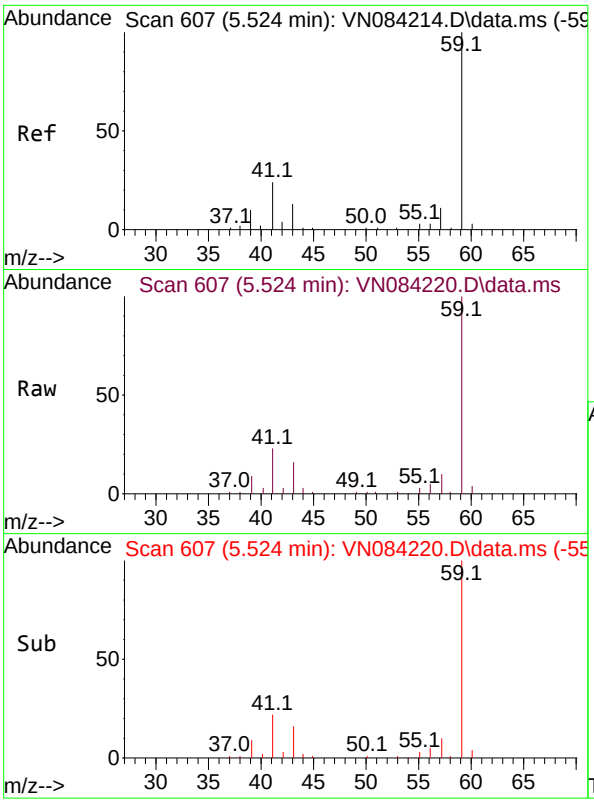


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



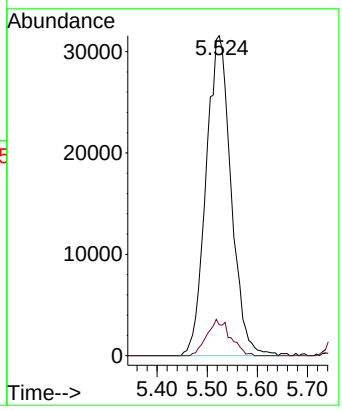


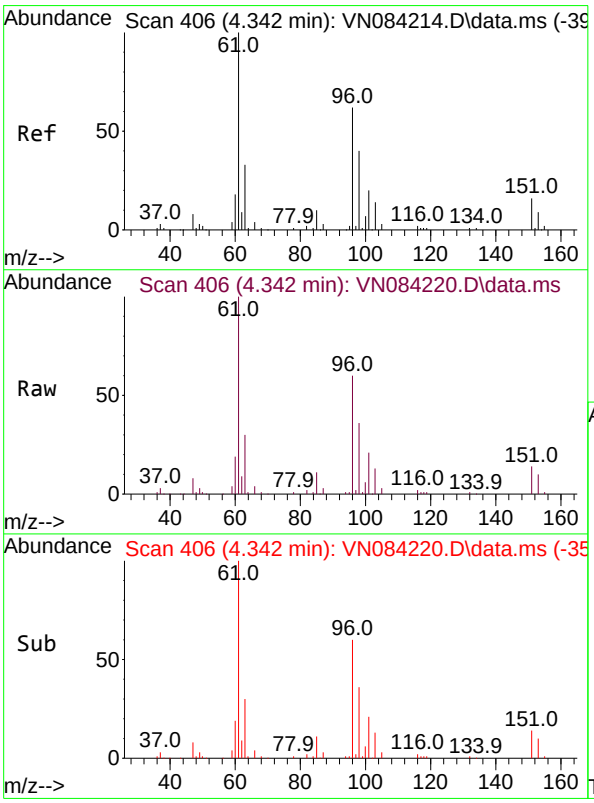
#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 59 Resp: 109545

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

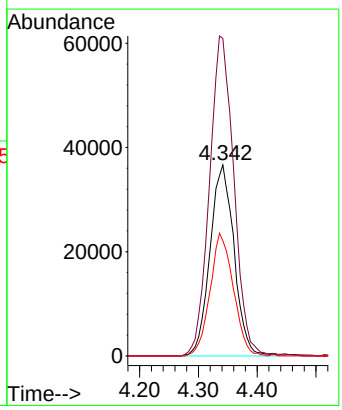


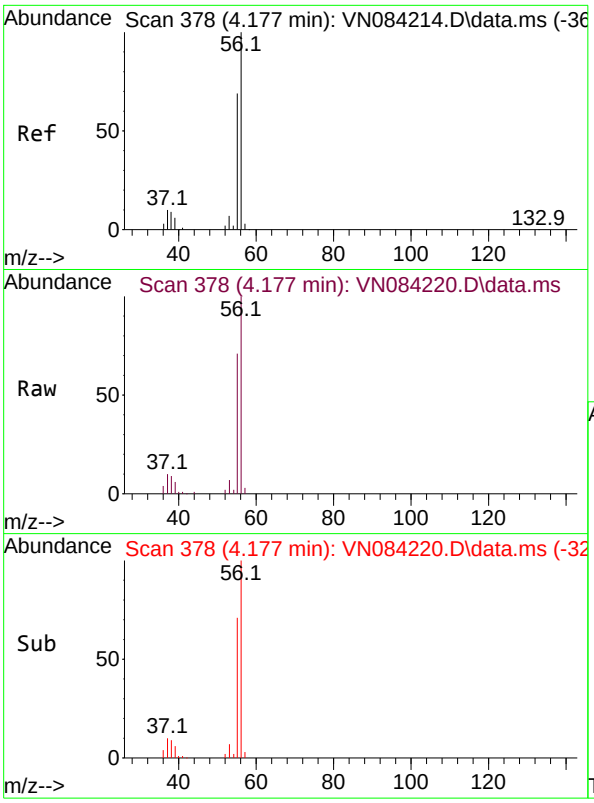


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



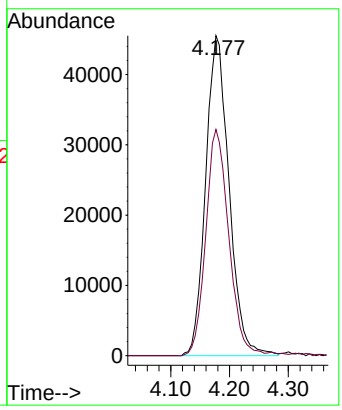


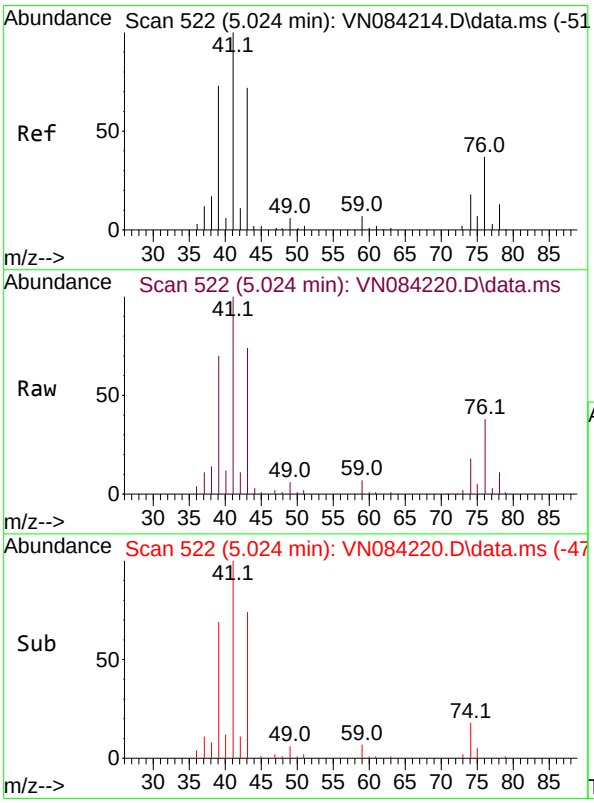
#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 56 Resp: 125971

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

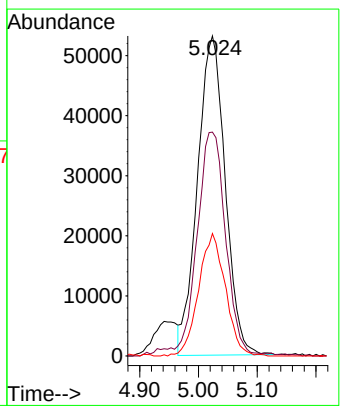


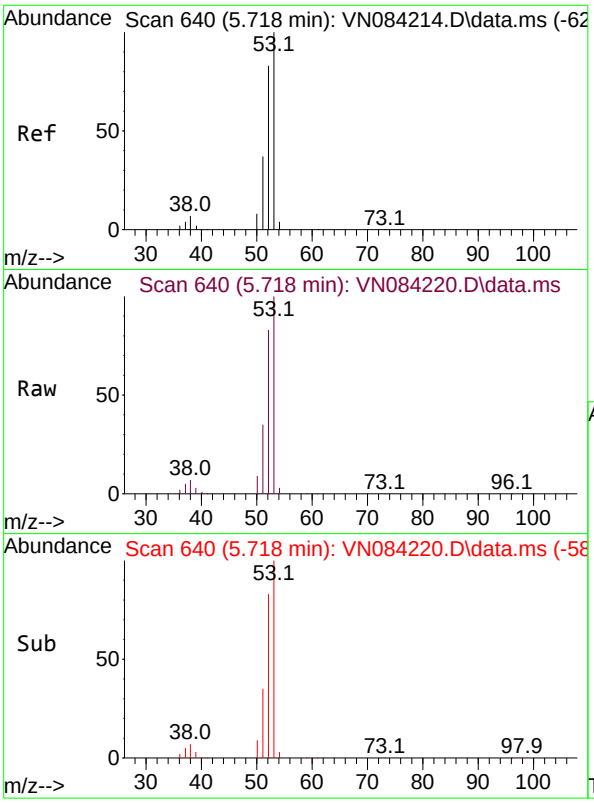


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



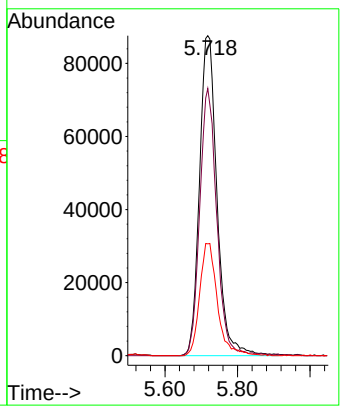


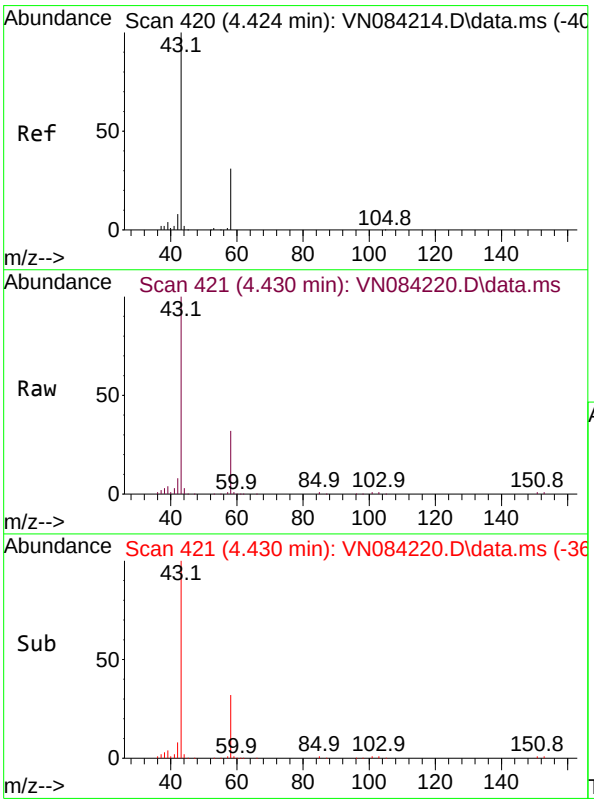
#15
Acrylonitrile
Concen: 273.264 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

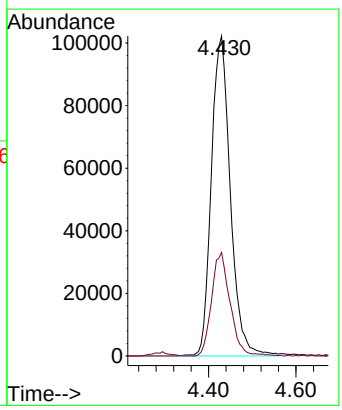


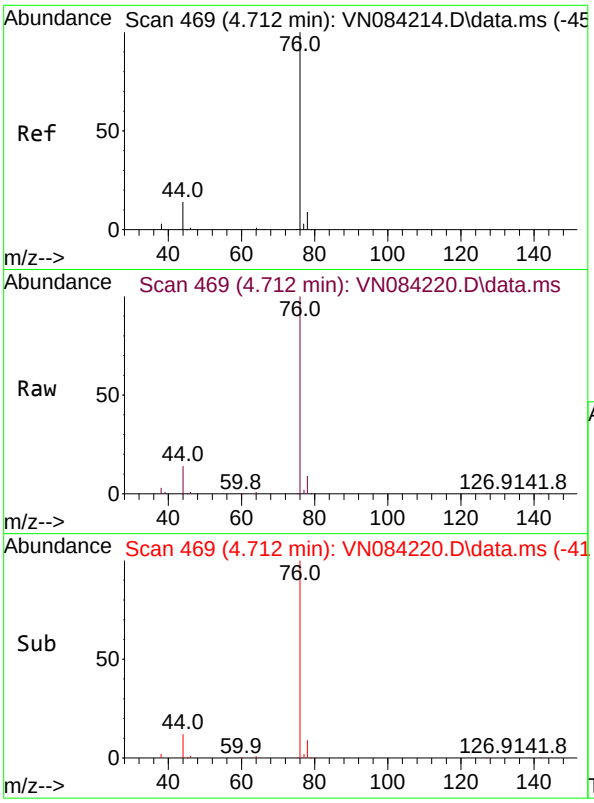


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6



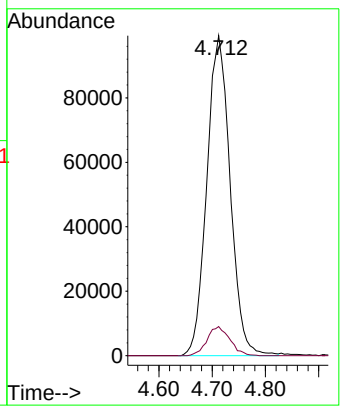


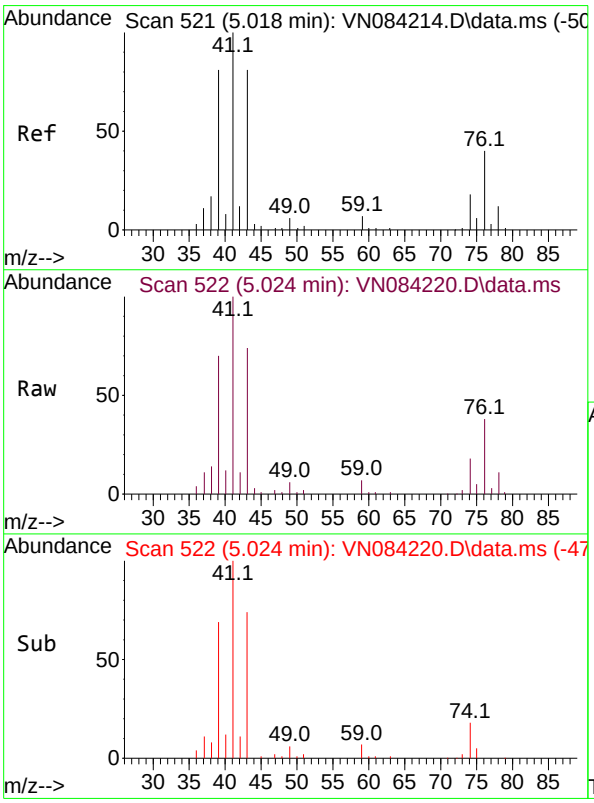
#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 302450

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

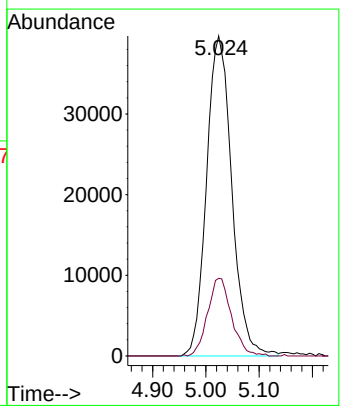


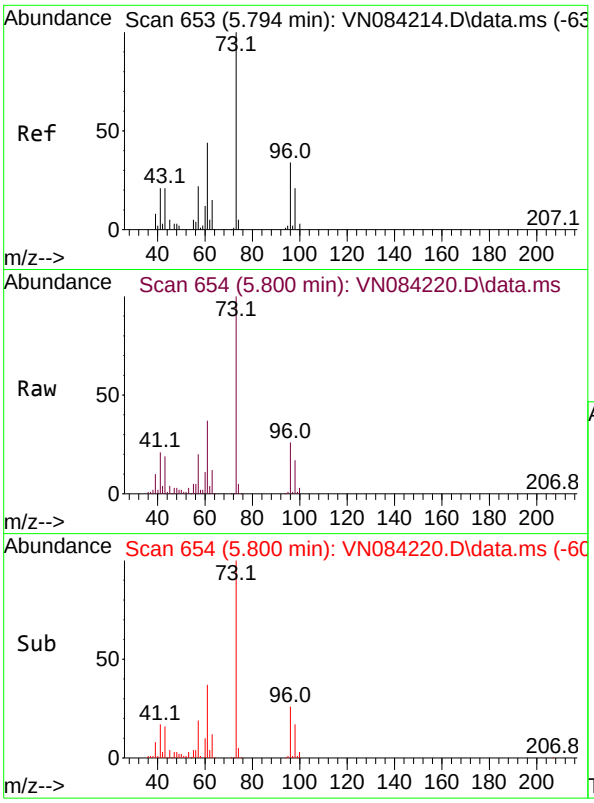


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 130494

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8



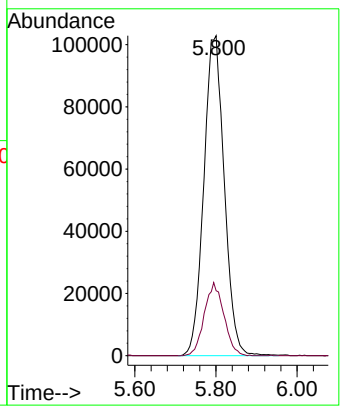


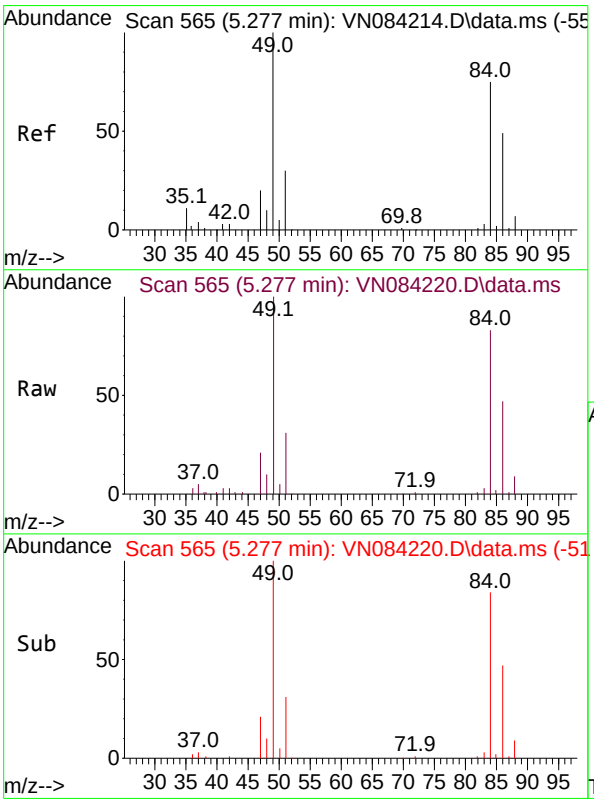
#19
Methyl tert-butyl Ether
Concen: 54.371 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 73 Resp: 360019

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

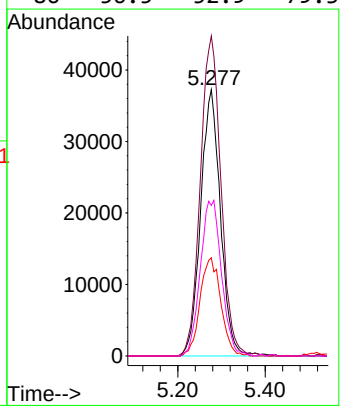


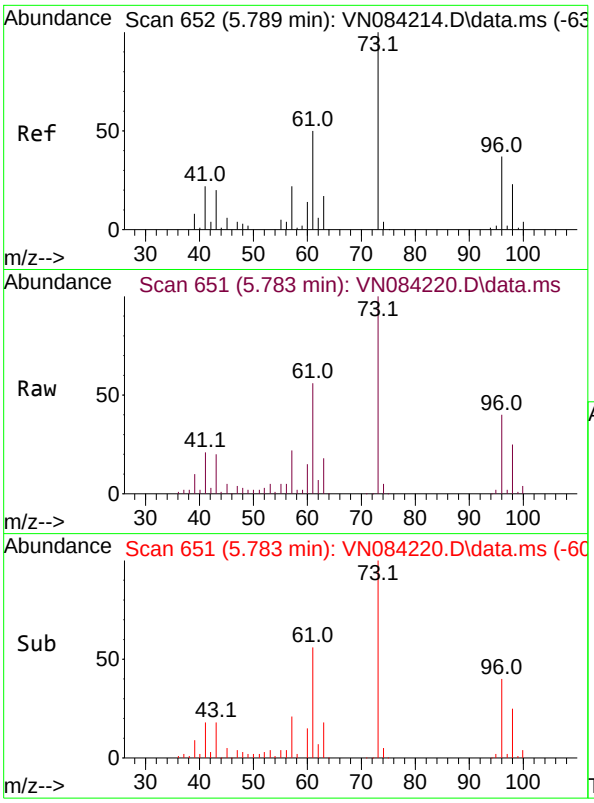


#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



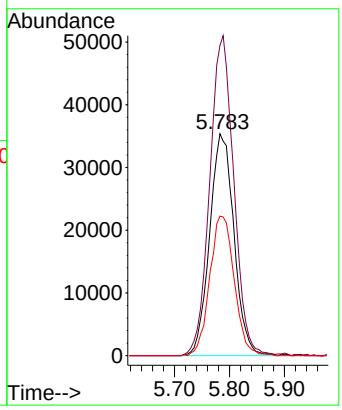


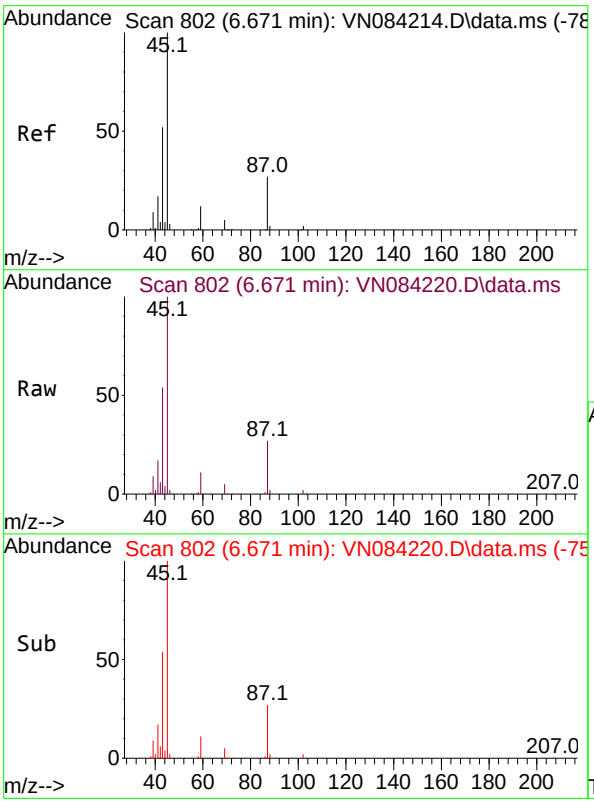
#21
trans-1,2-Dichloroethene
Concen: 52.980 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

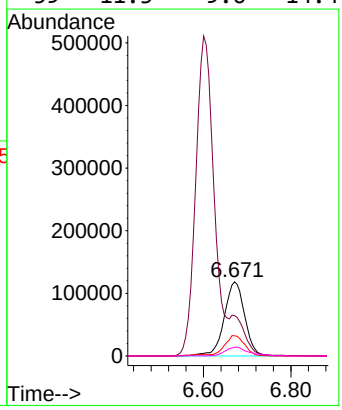


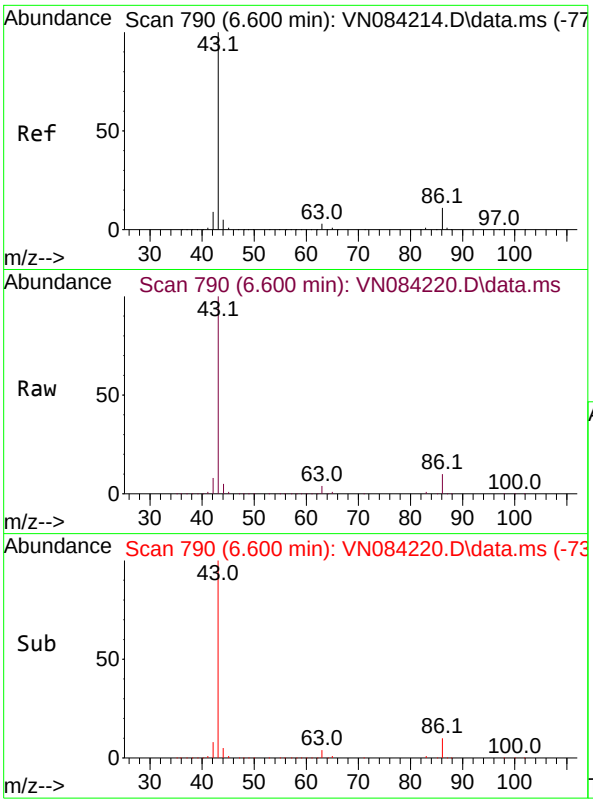


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



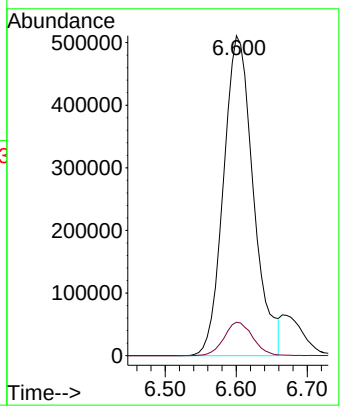


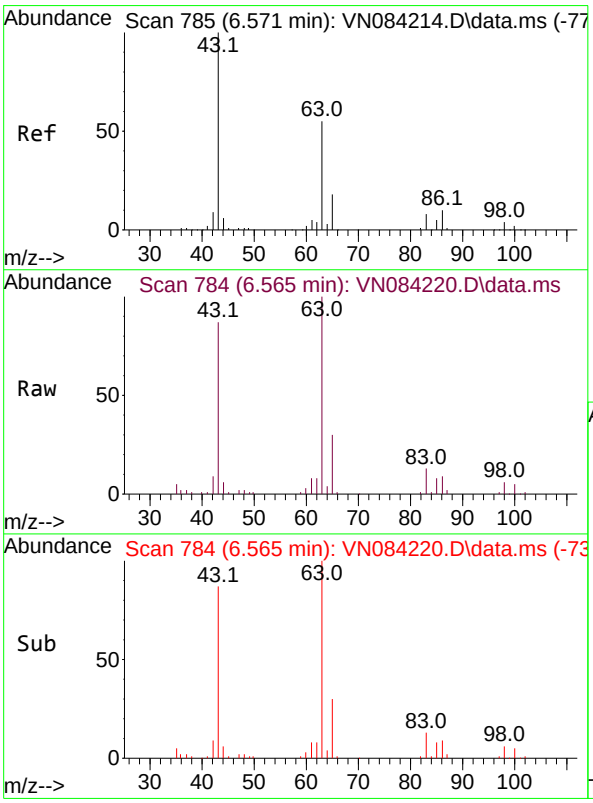
#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 1492704

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8

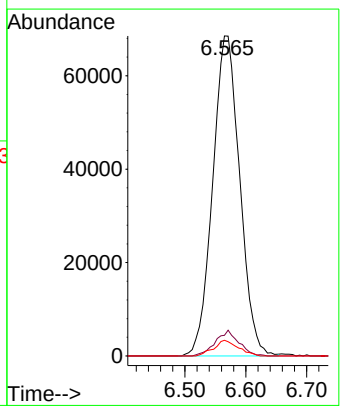


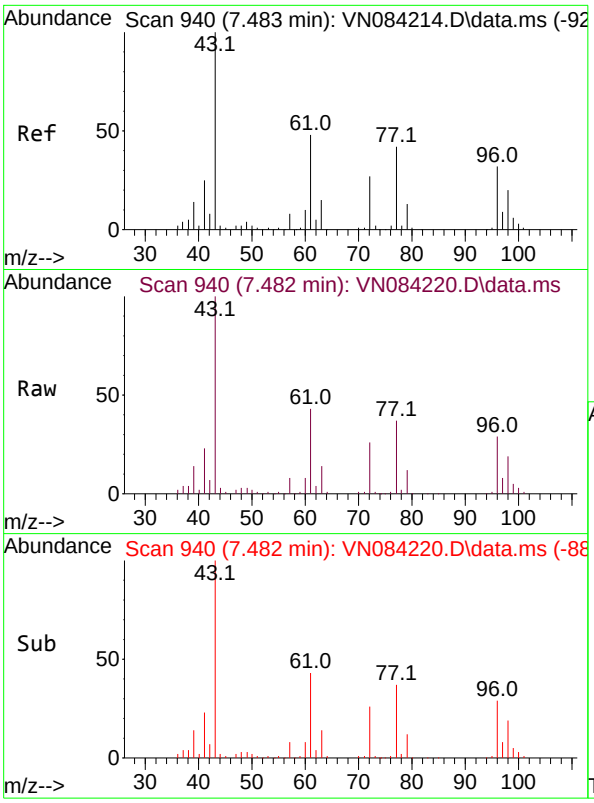


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



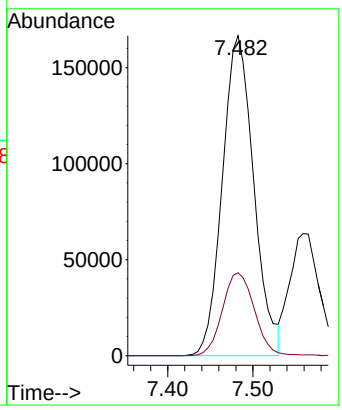


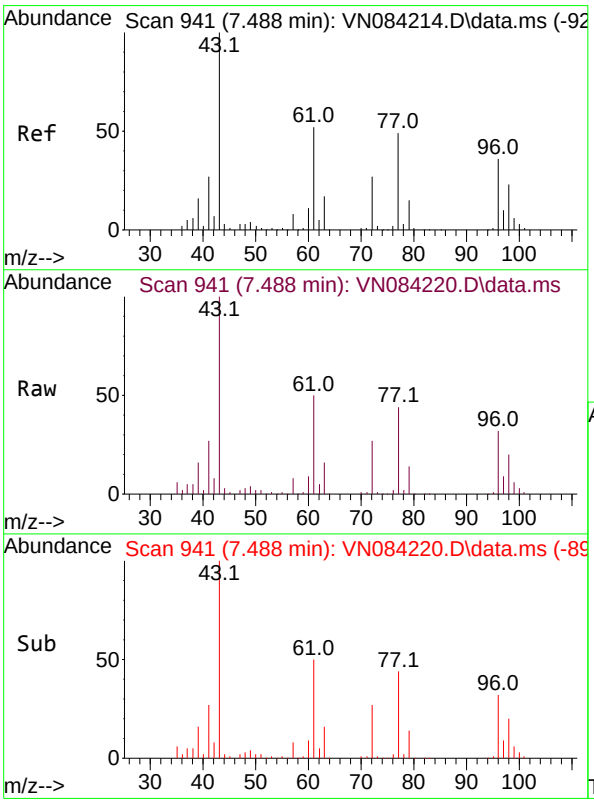
#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 426860

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

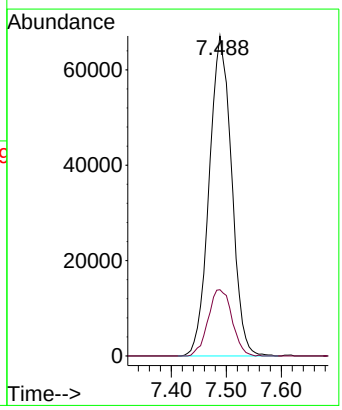


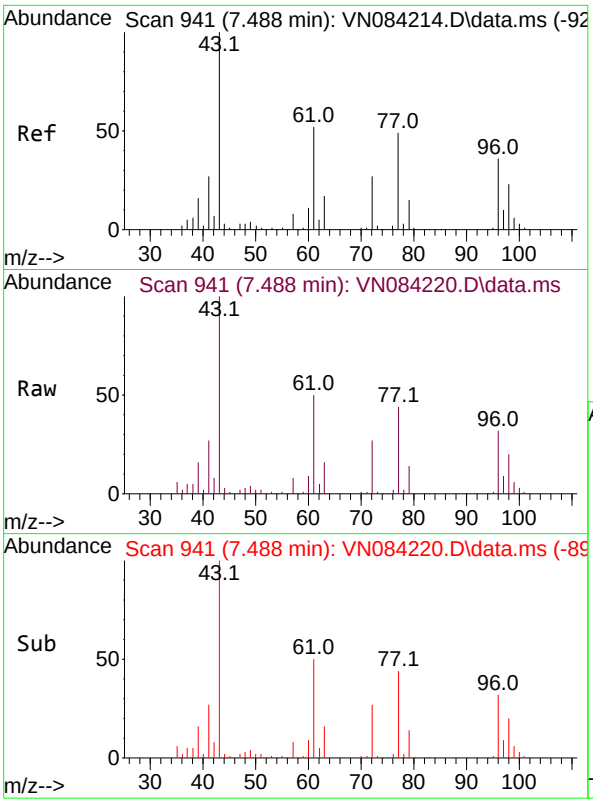


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



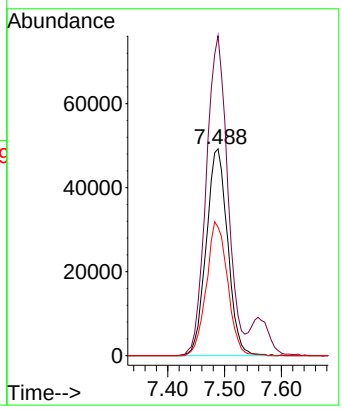


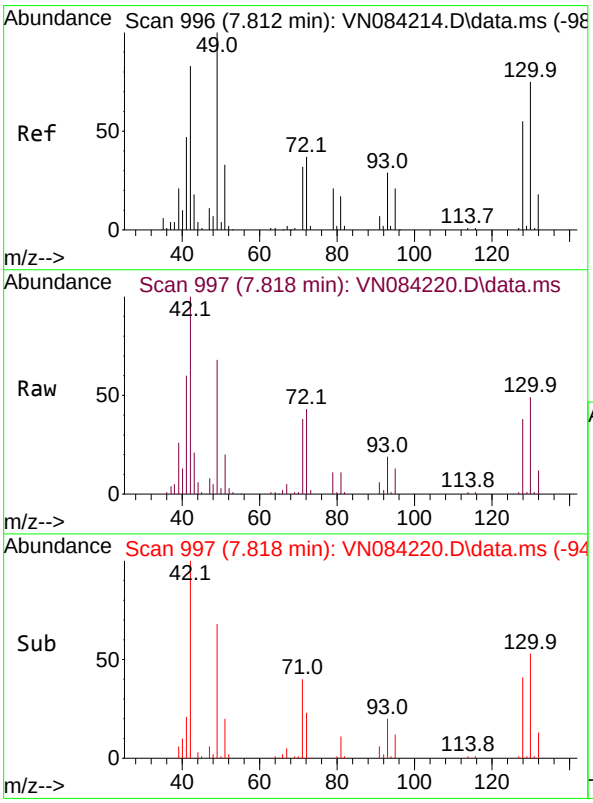
#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

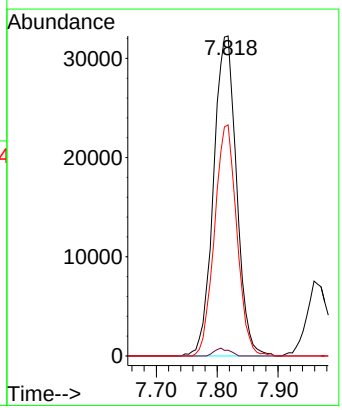


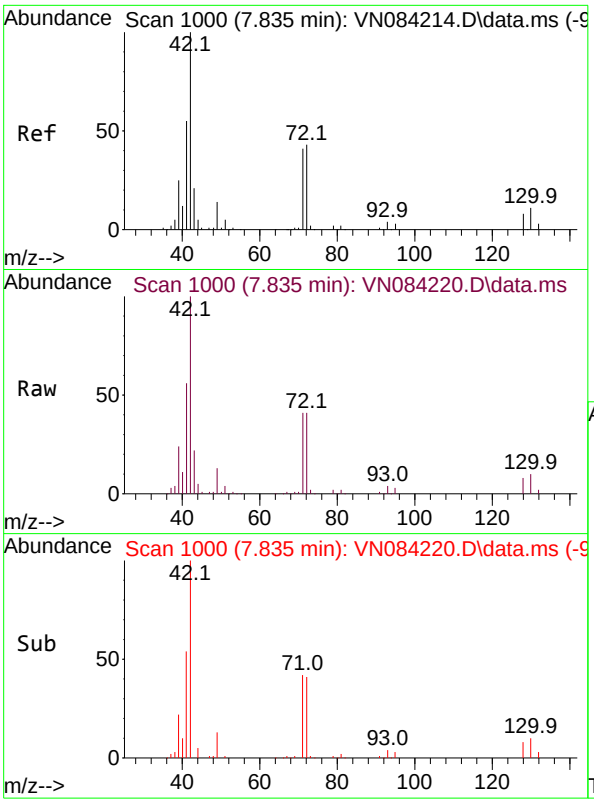


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



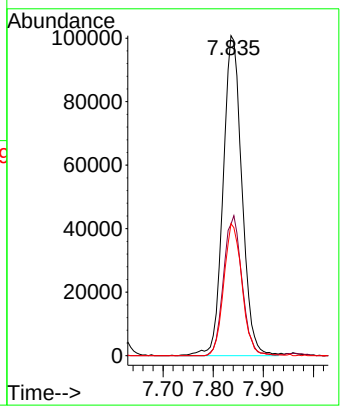


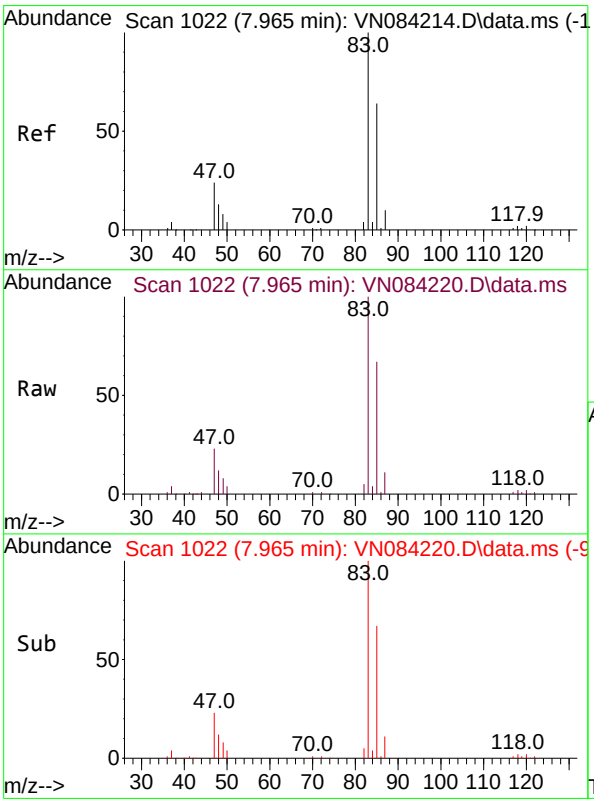
#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

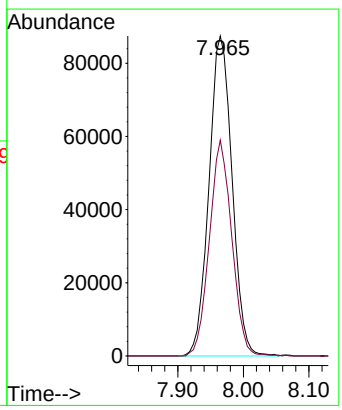


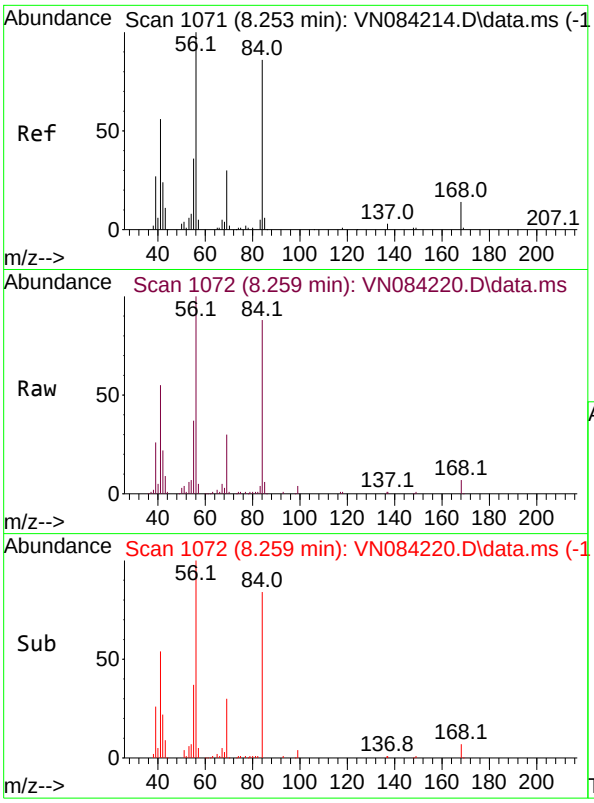


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4



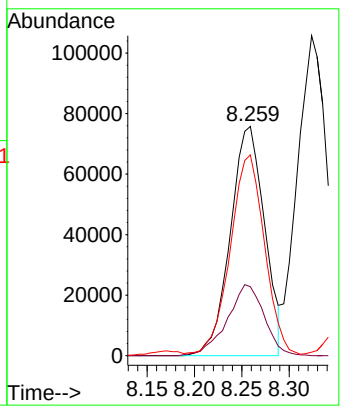


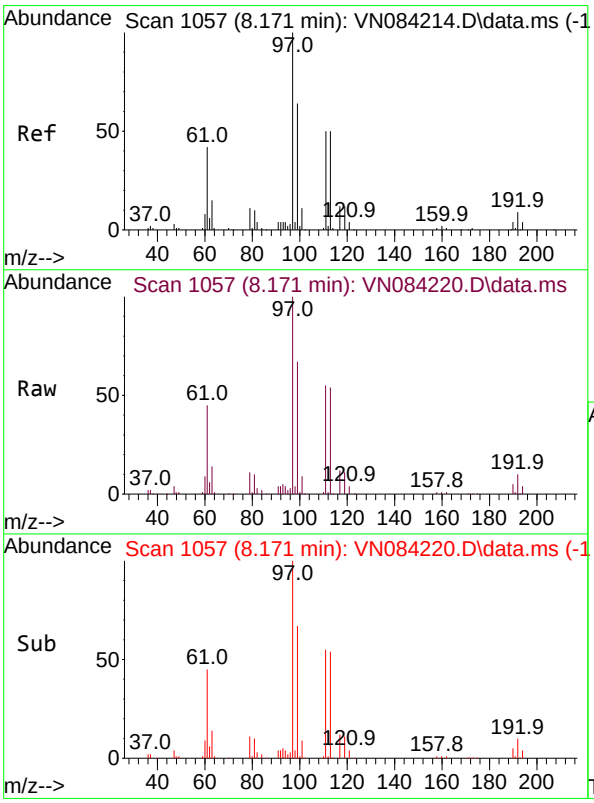
#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

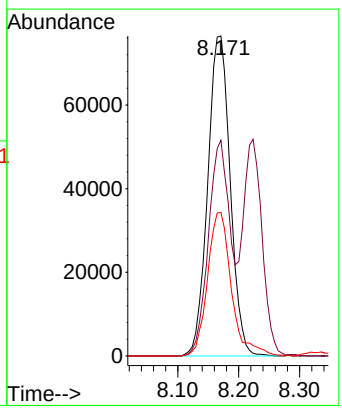


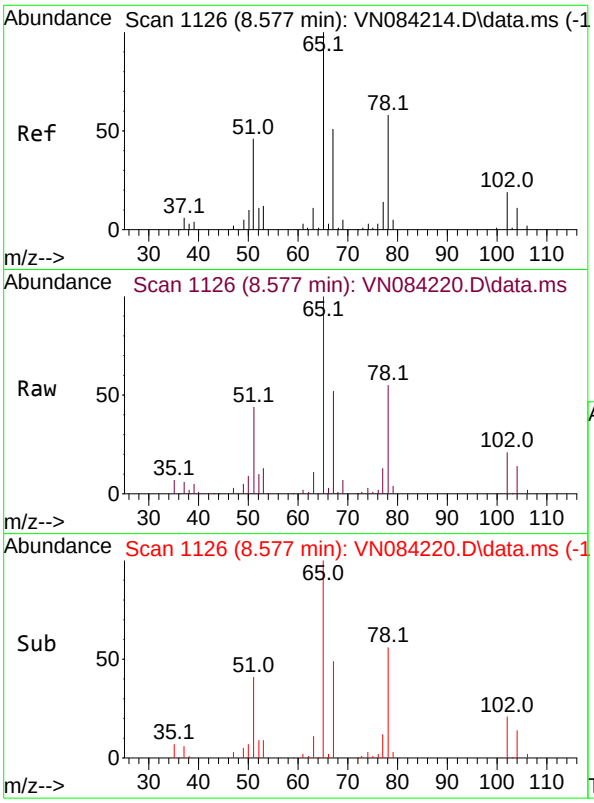


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



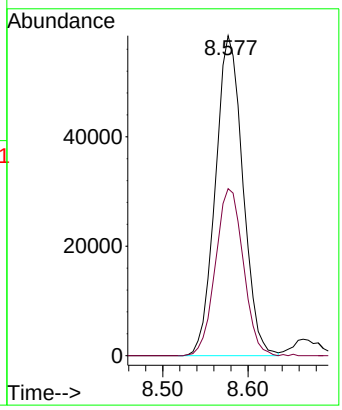


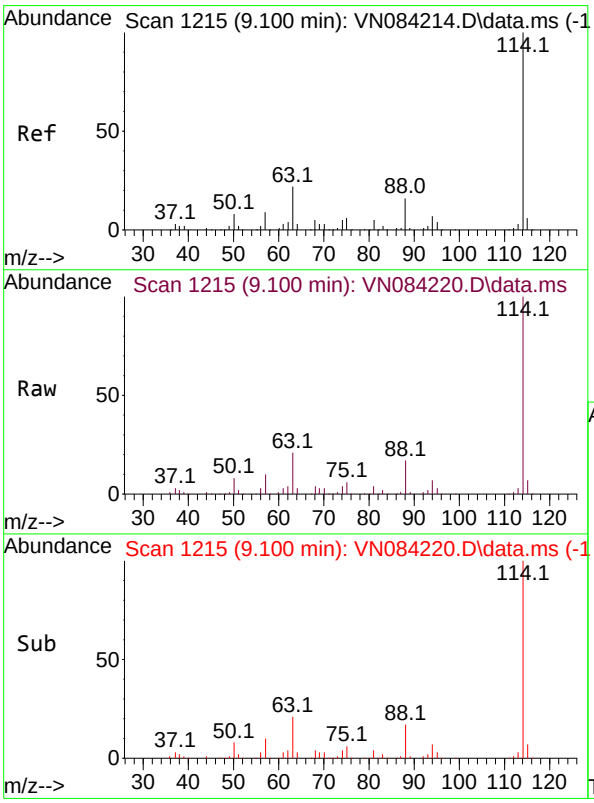
#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 65 Resp: 130630

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0

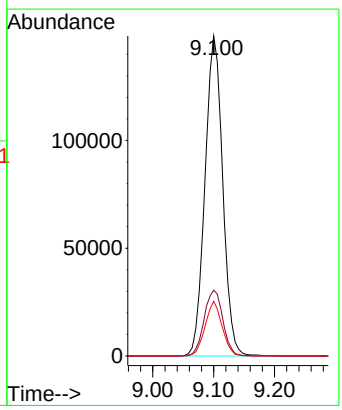


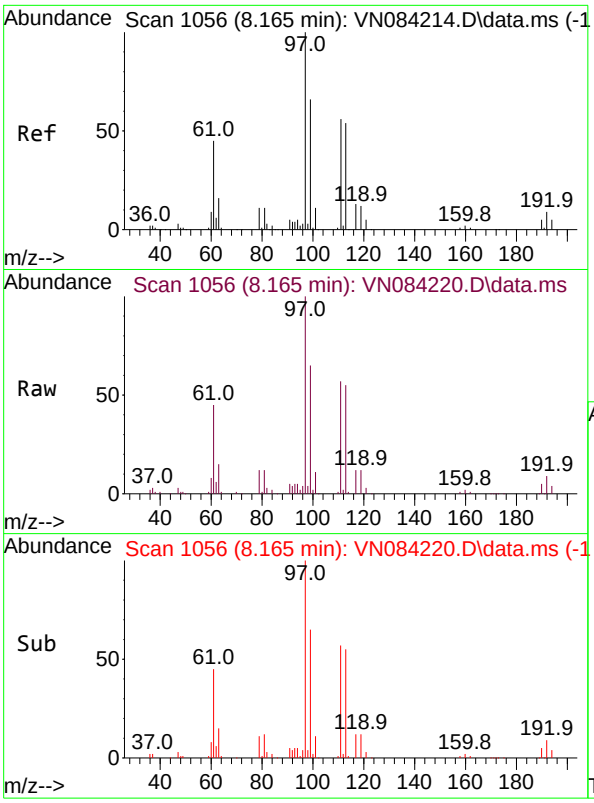


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



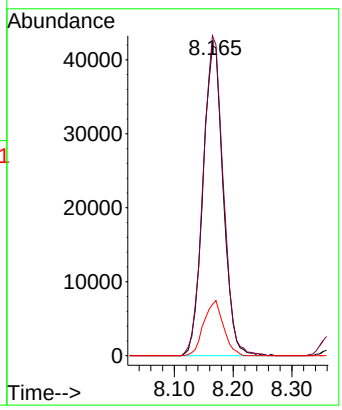


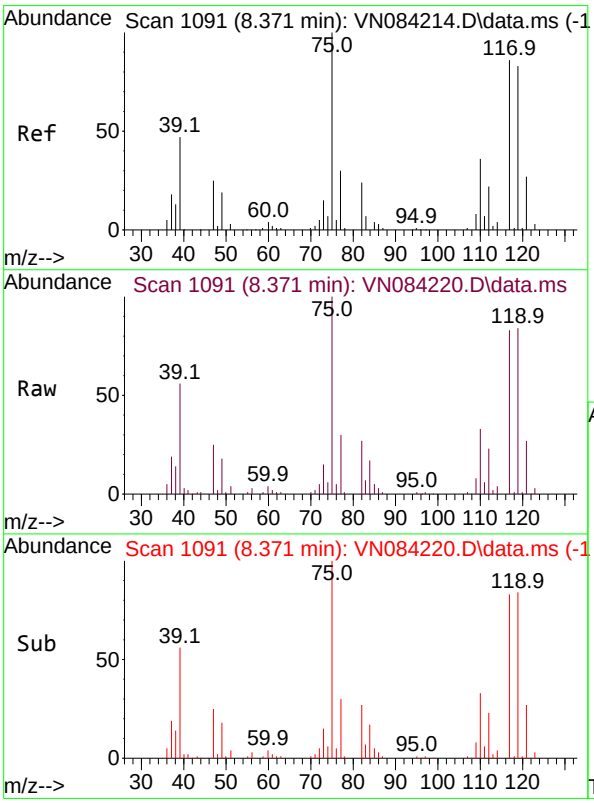
#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

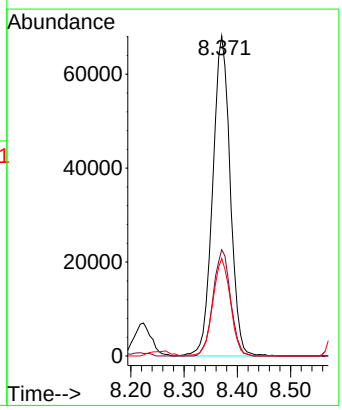


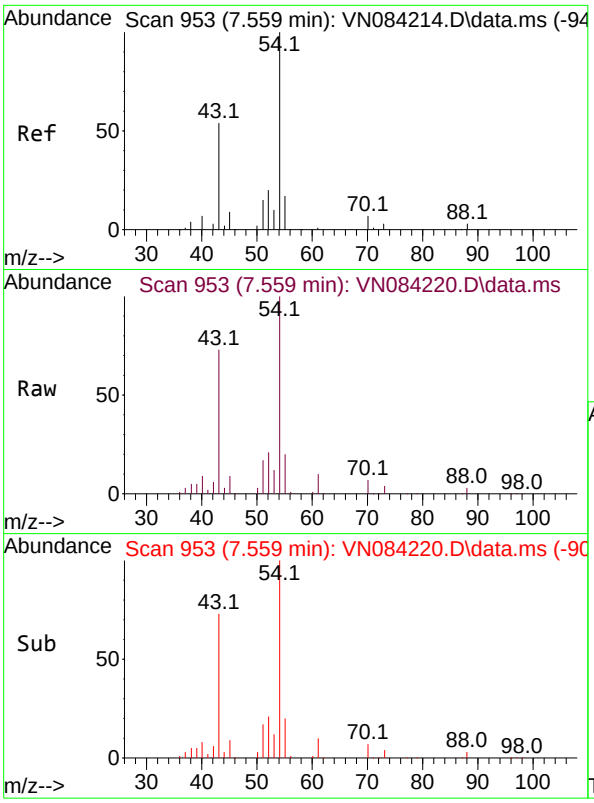


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



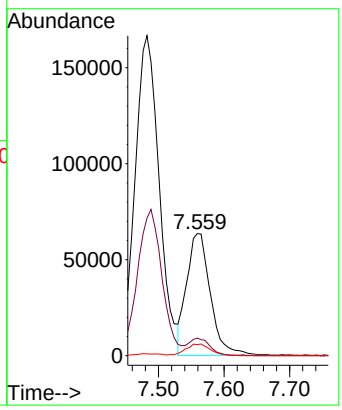


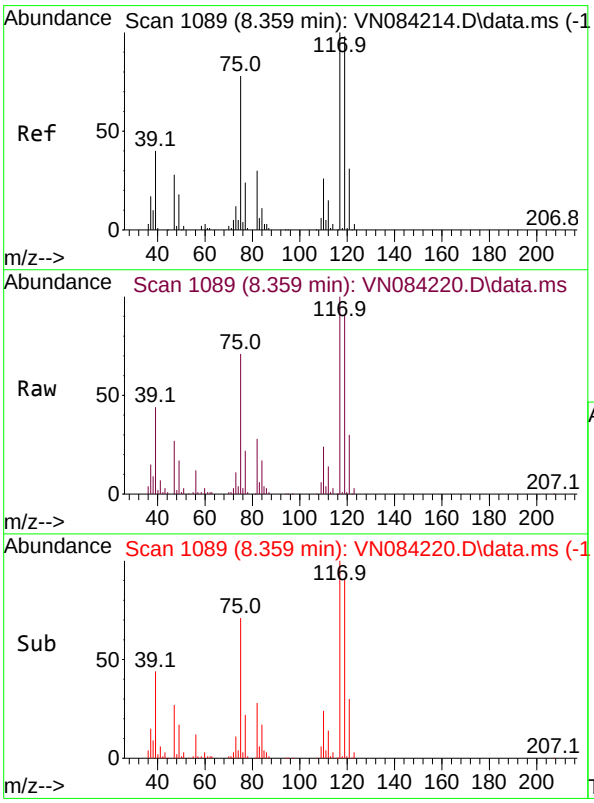
#37
Ethyl Acetate
Concen: 54.043 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

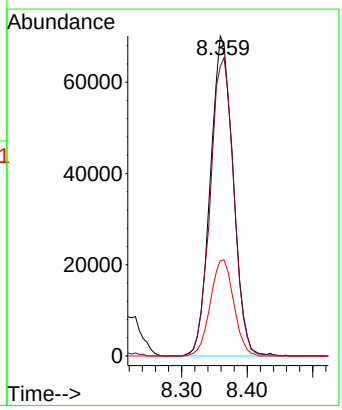


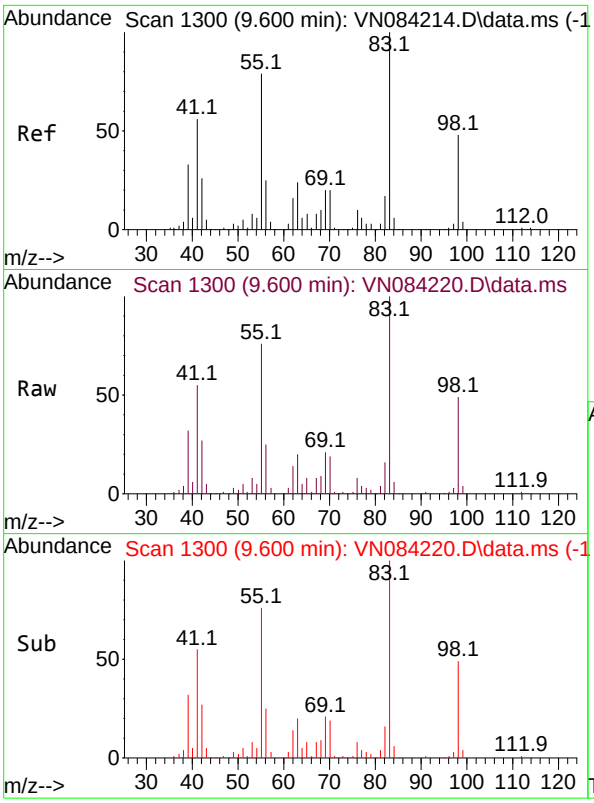


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



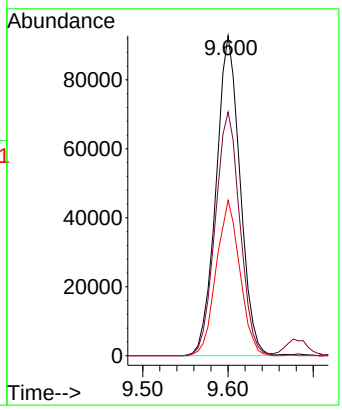


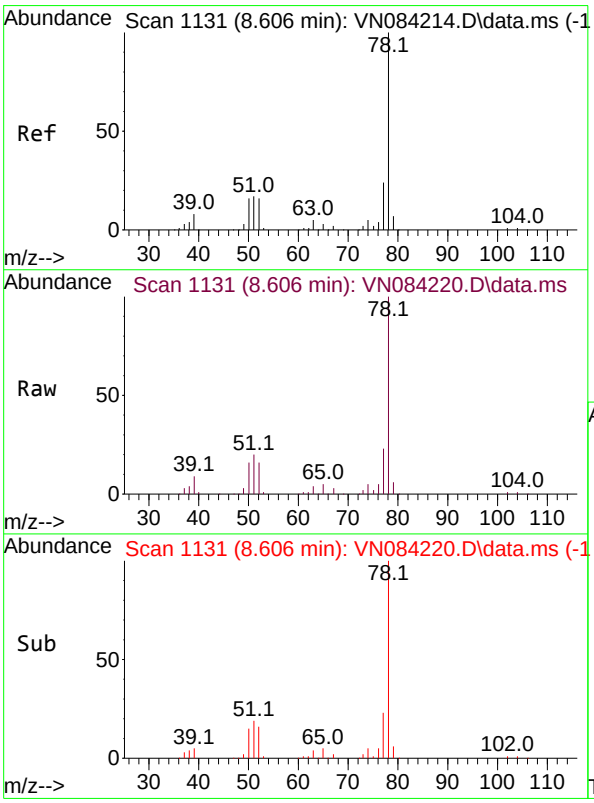
#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

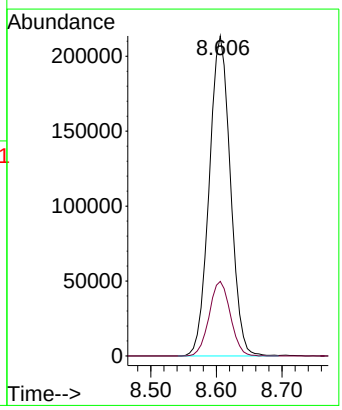


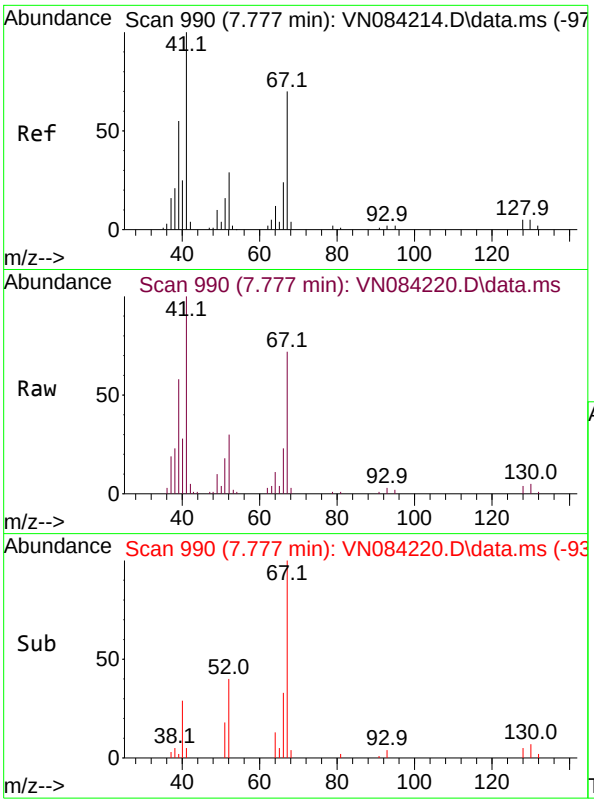


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



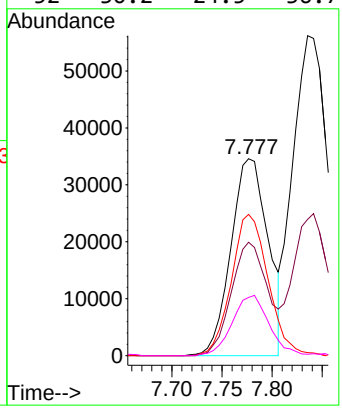


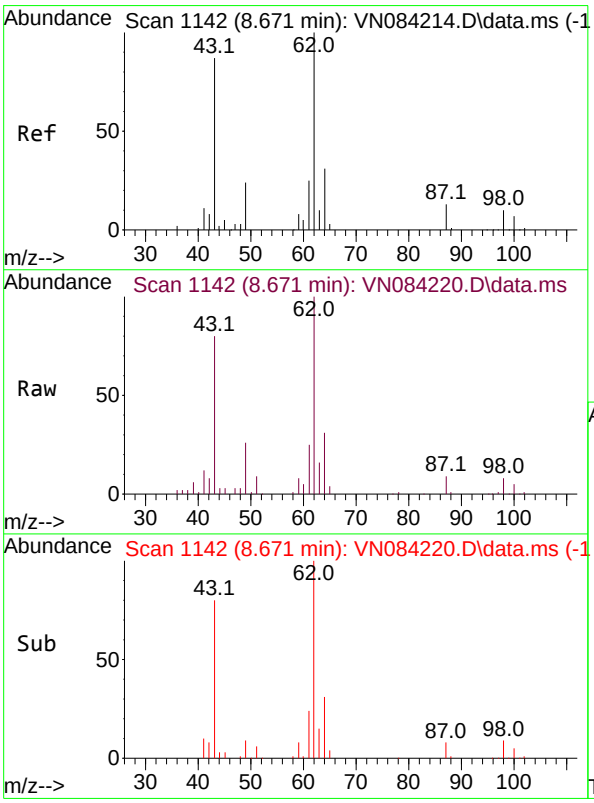
#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

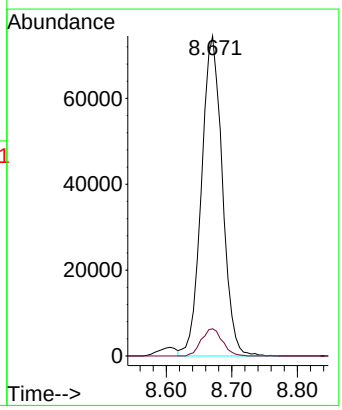


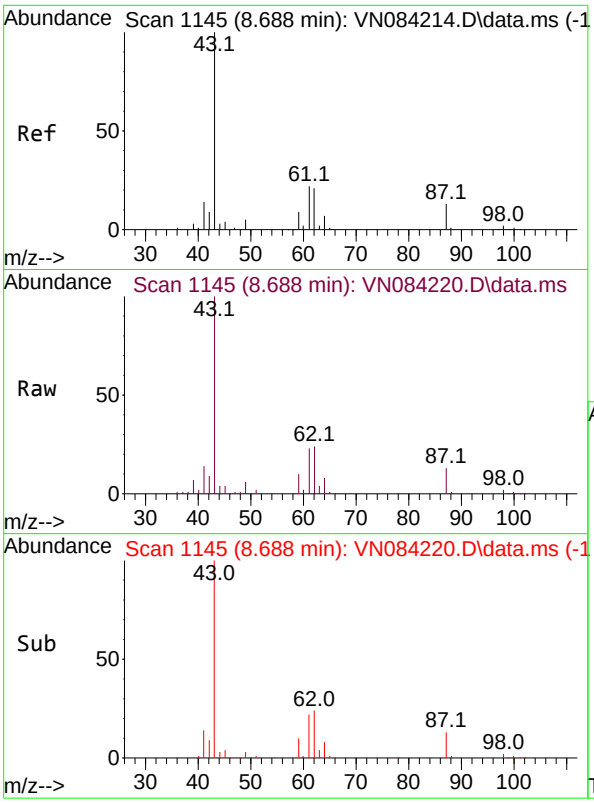


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



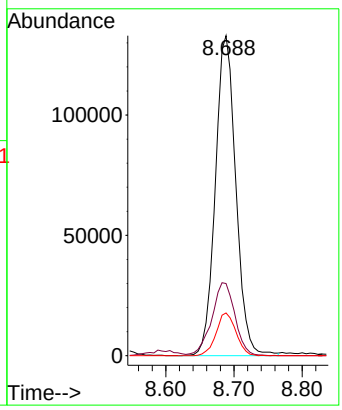


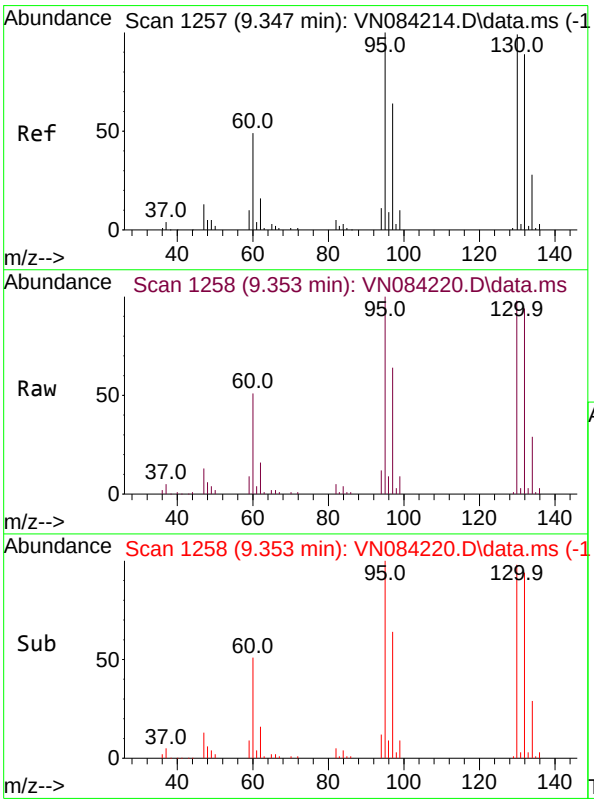
#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

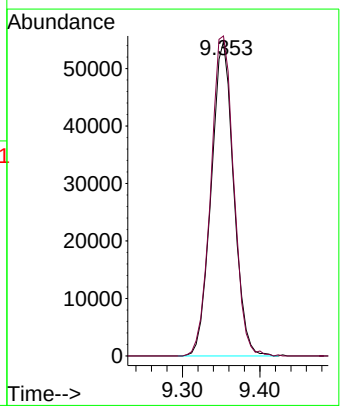


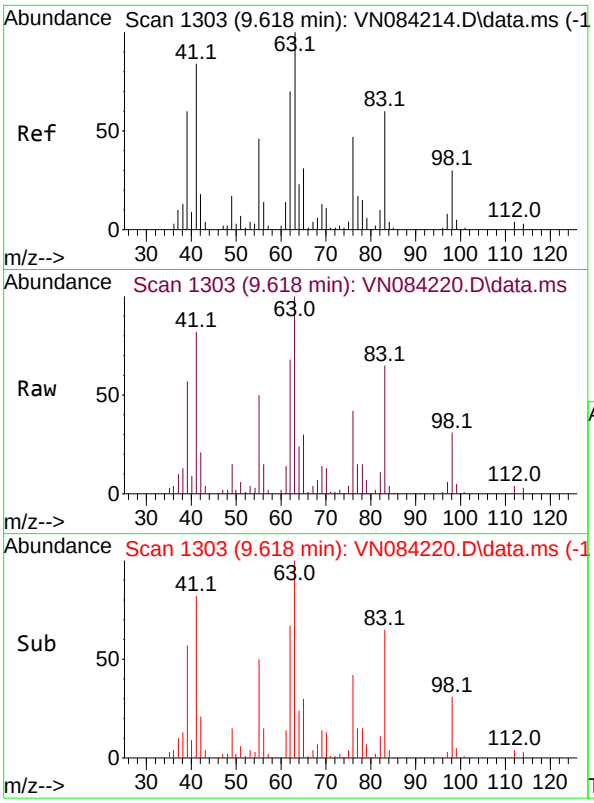


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0



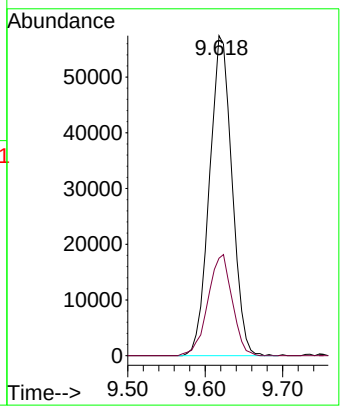


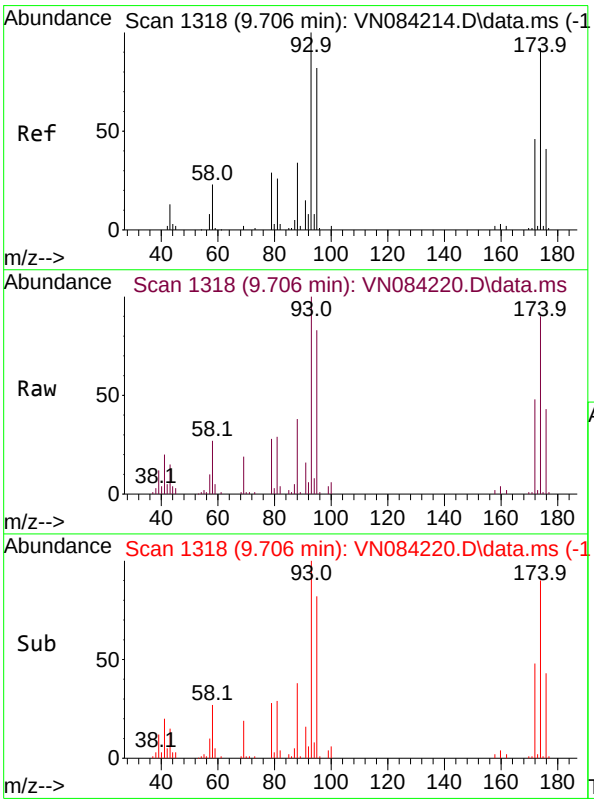
#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 63 Resp: 116161

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0

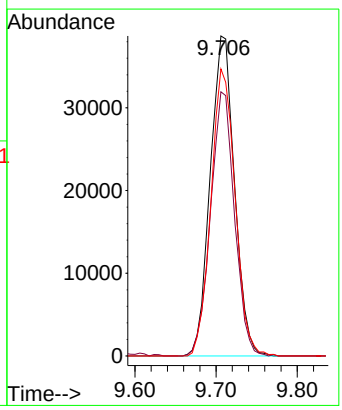


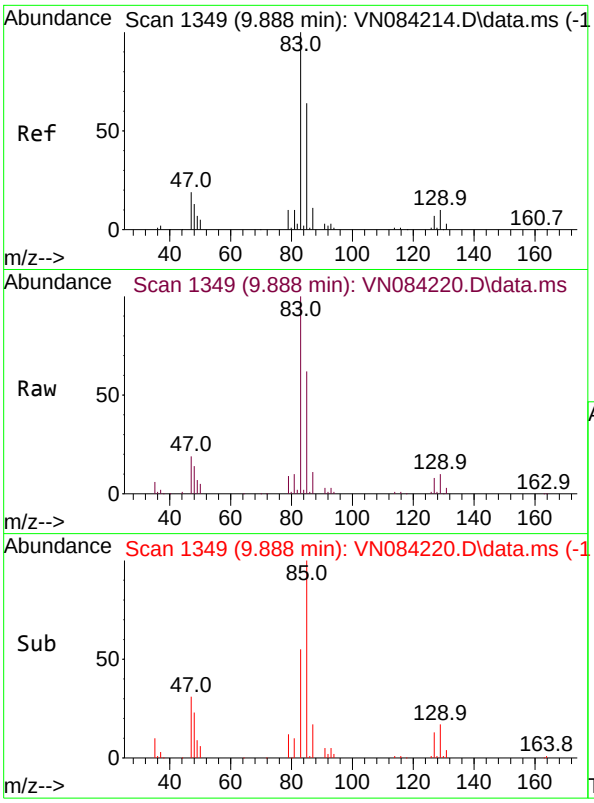


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



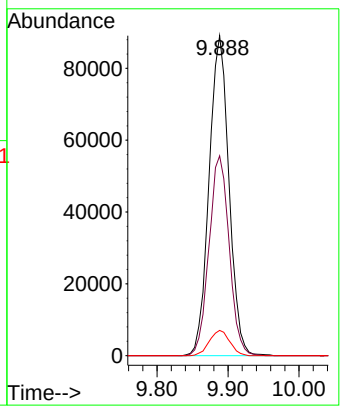


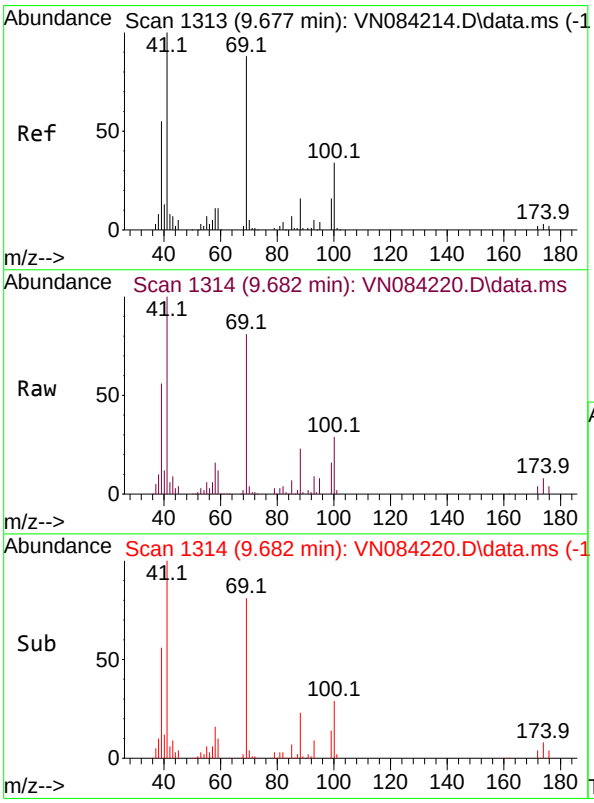
#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

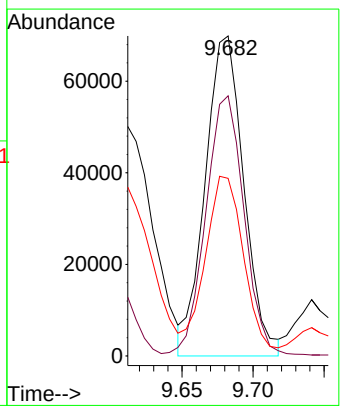


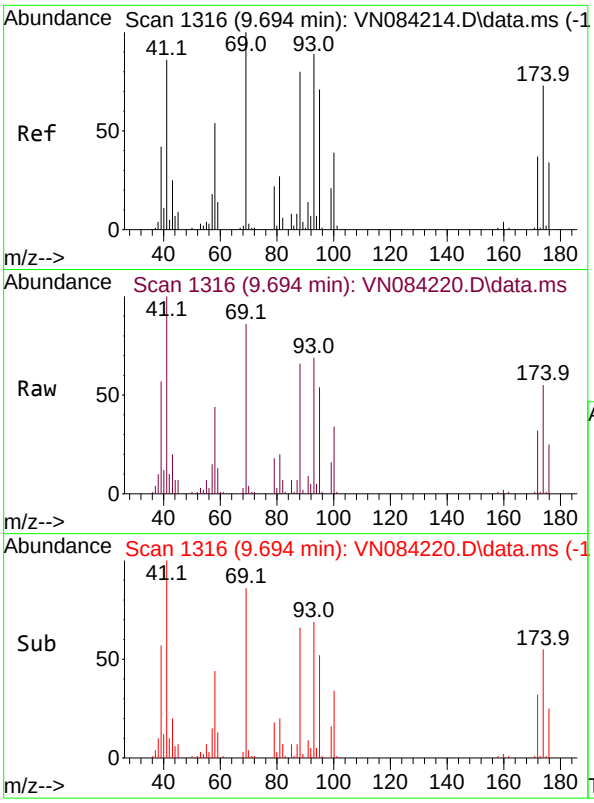


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



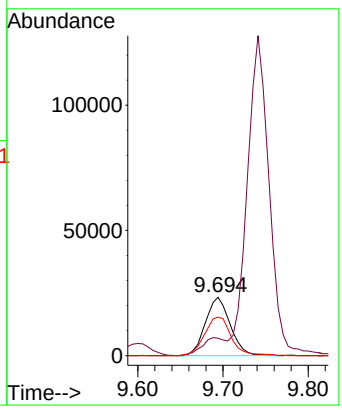


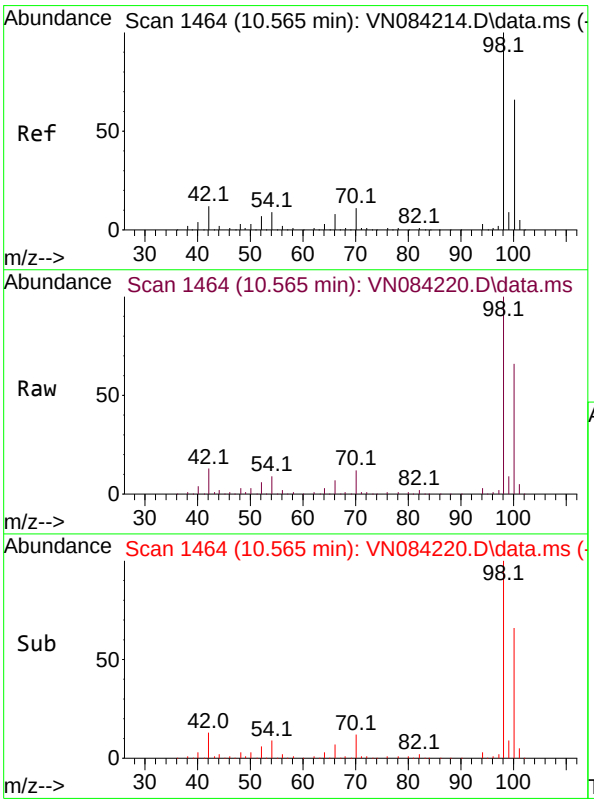
#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

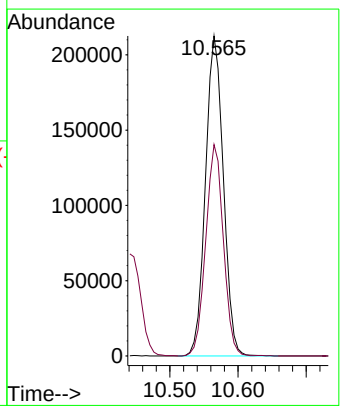


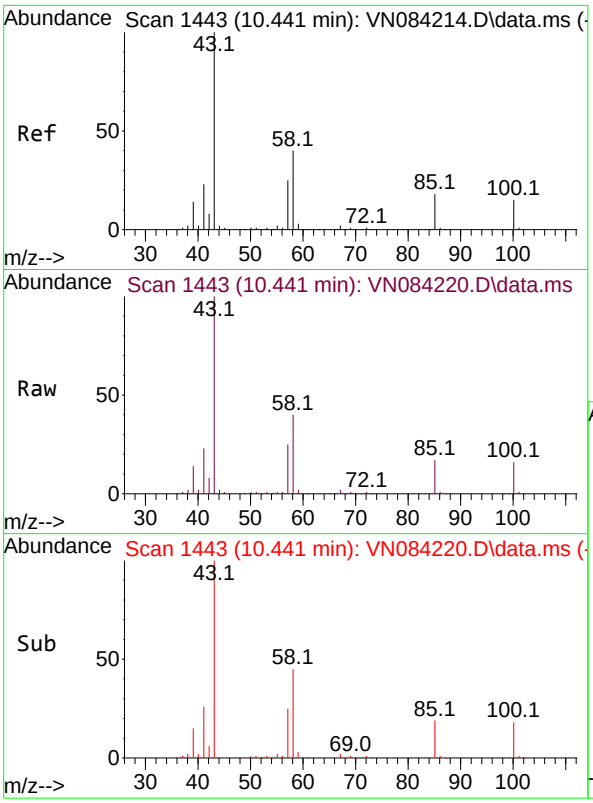


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



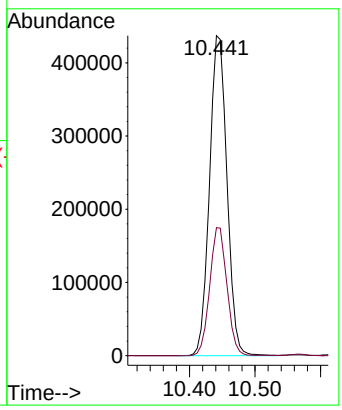


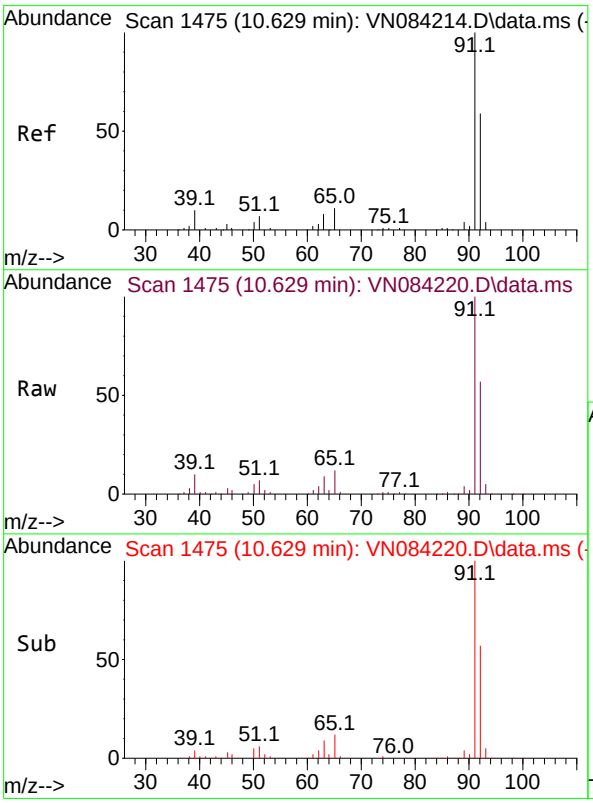
#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 808630

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

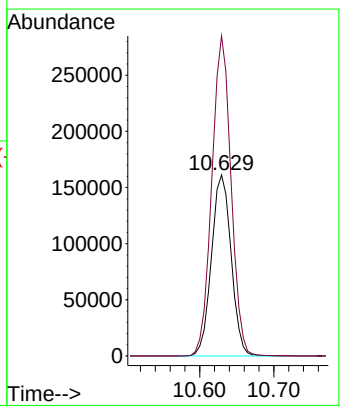


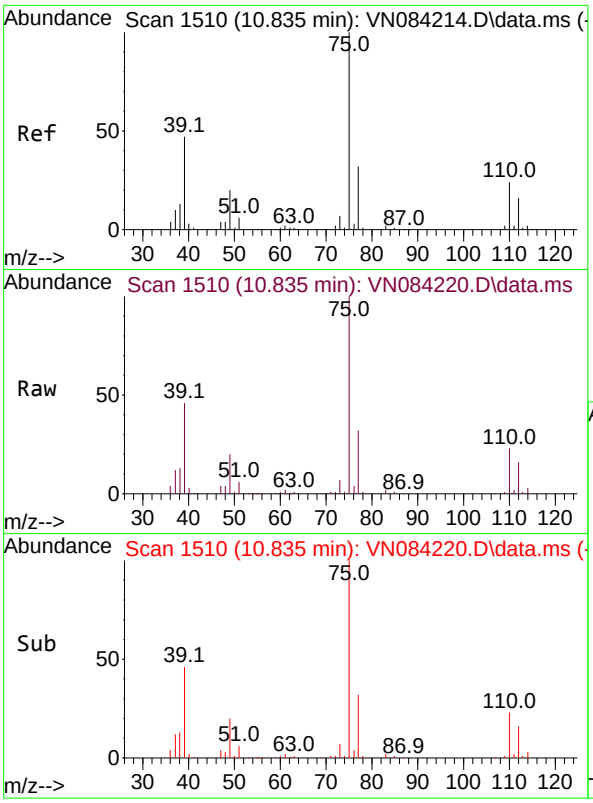


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9



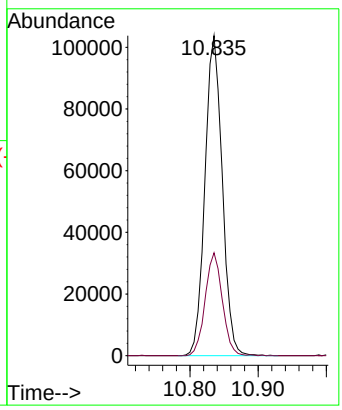


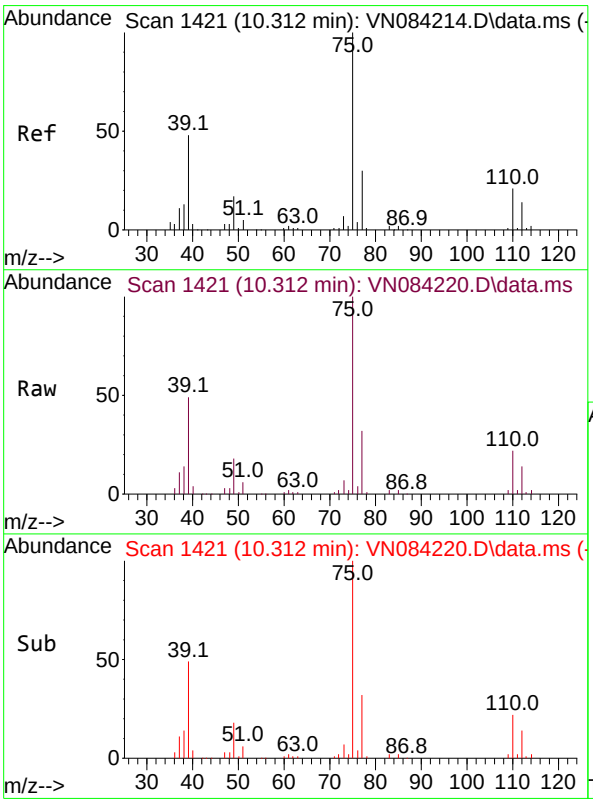
#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 75 Resp: 183153

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

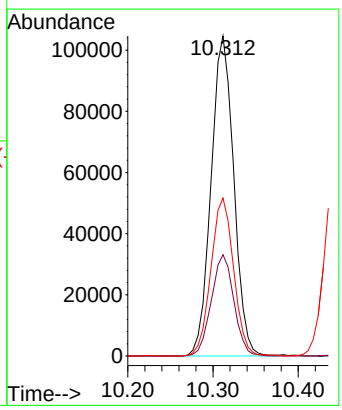


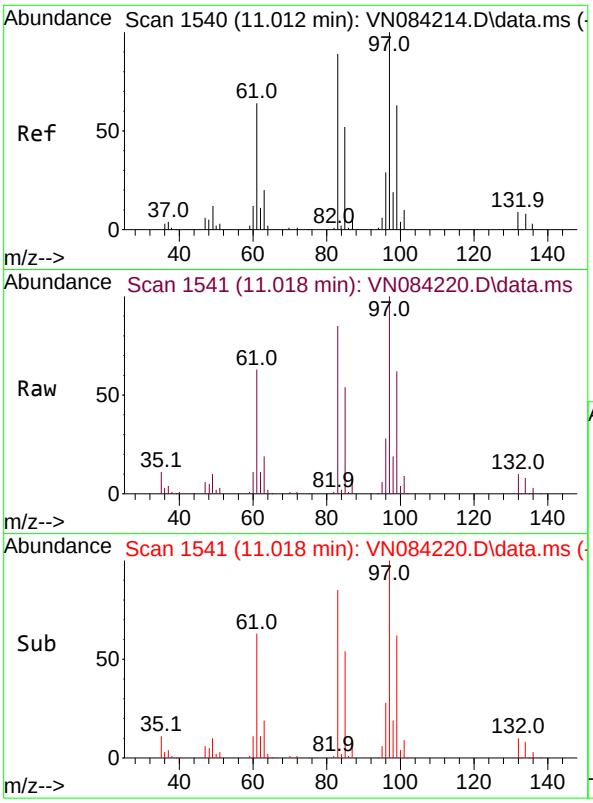


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



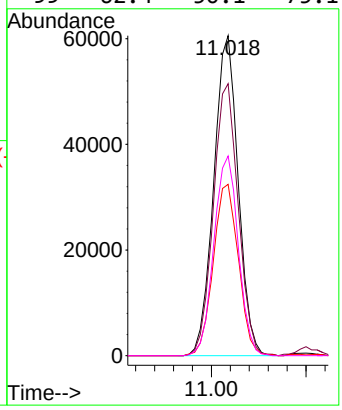


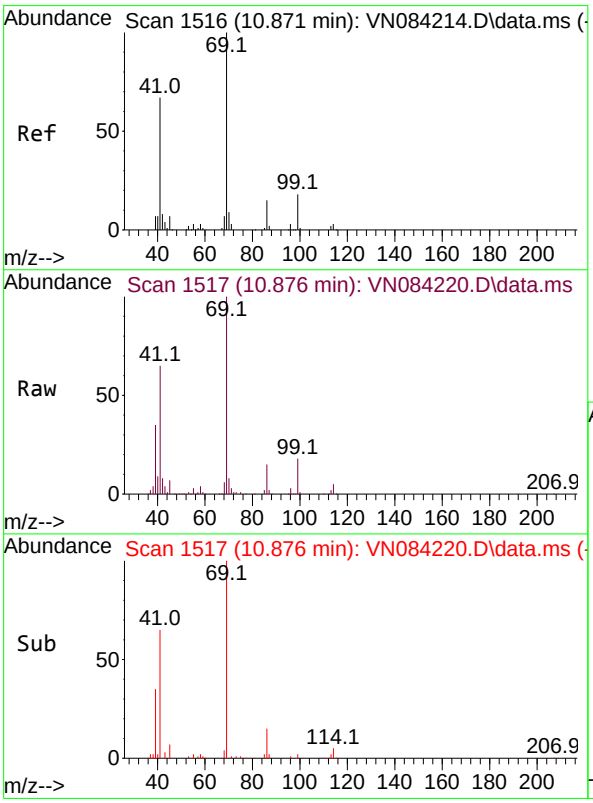
#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

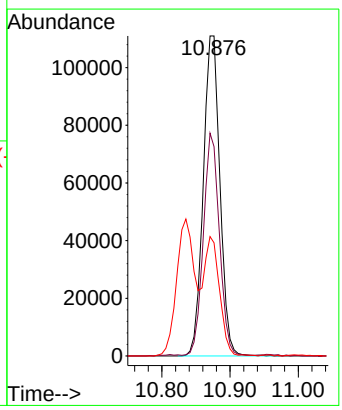


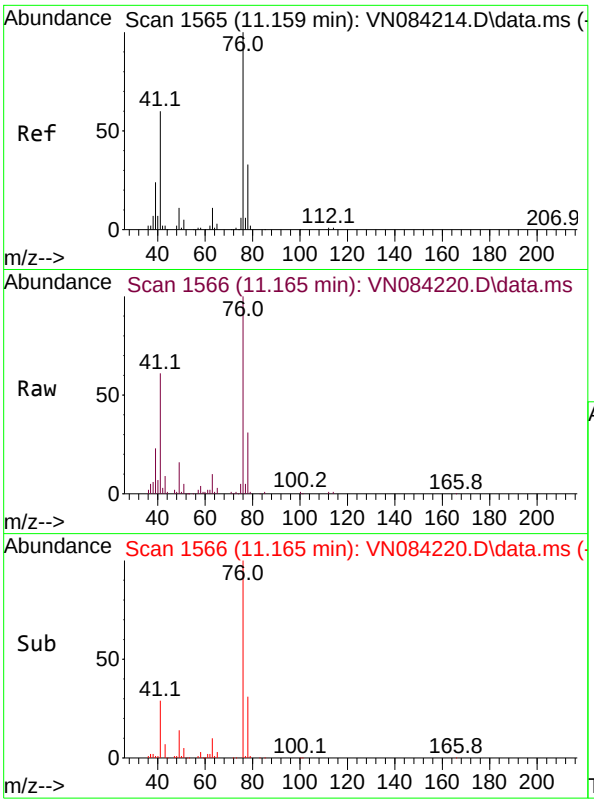


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



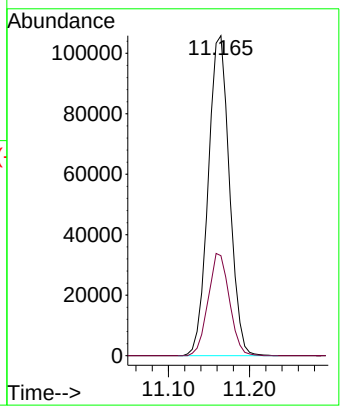


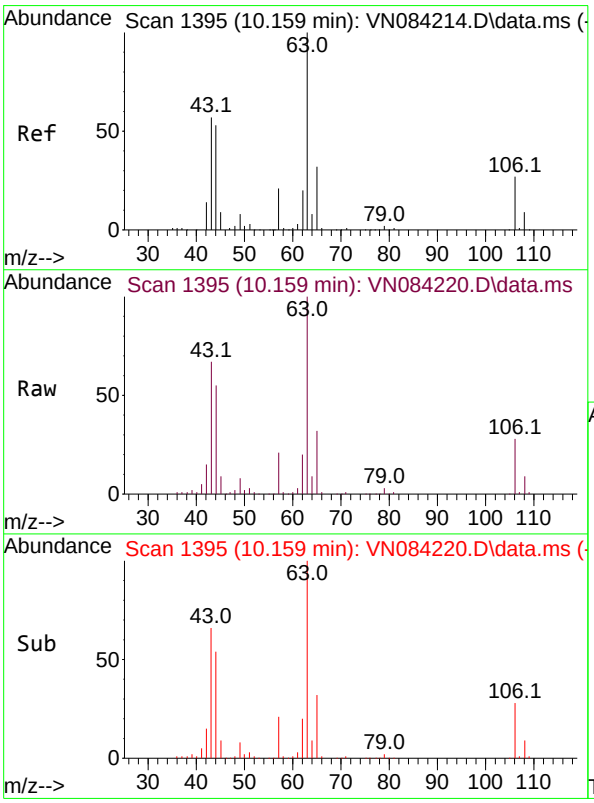
#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 191966

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

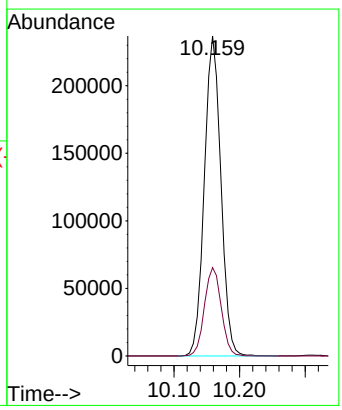


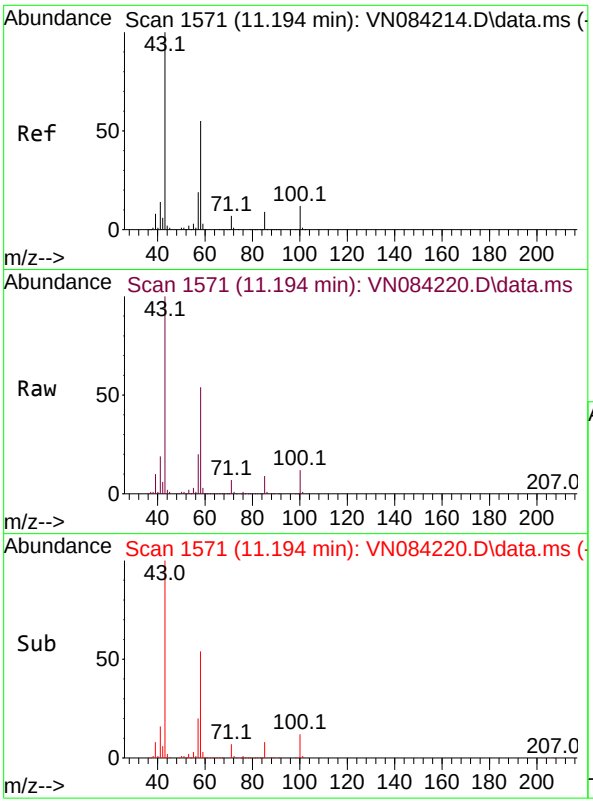


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6



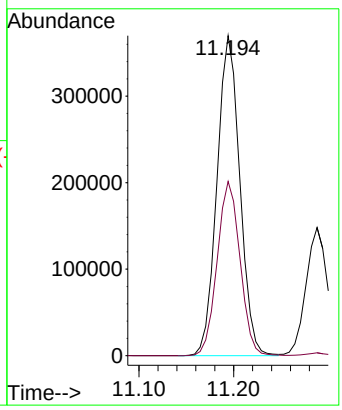


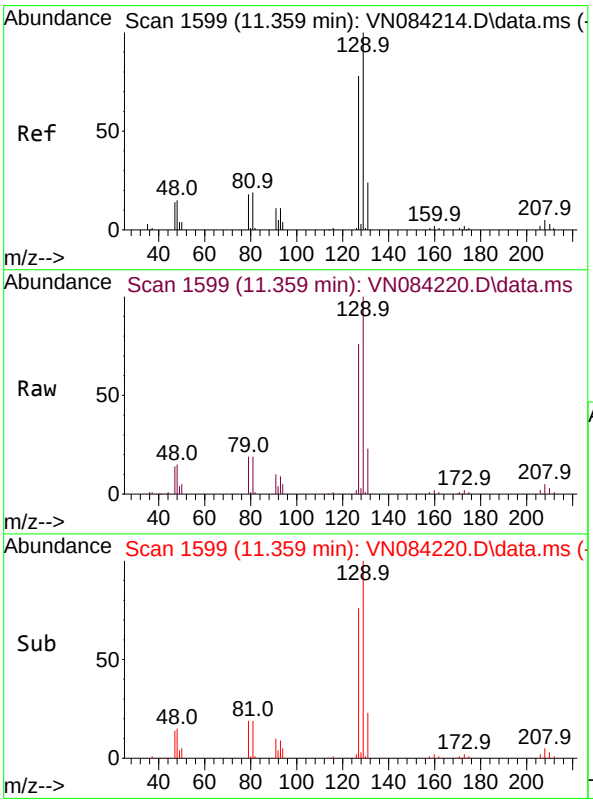
#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 621000

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

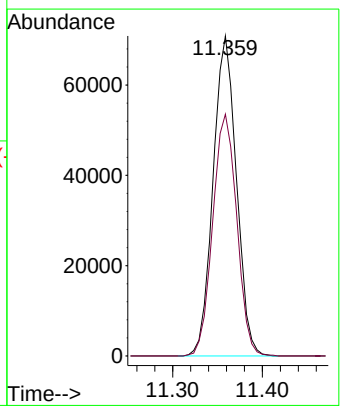


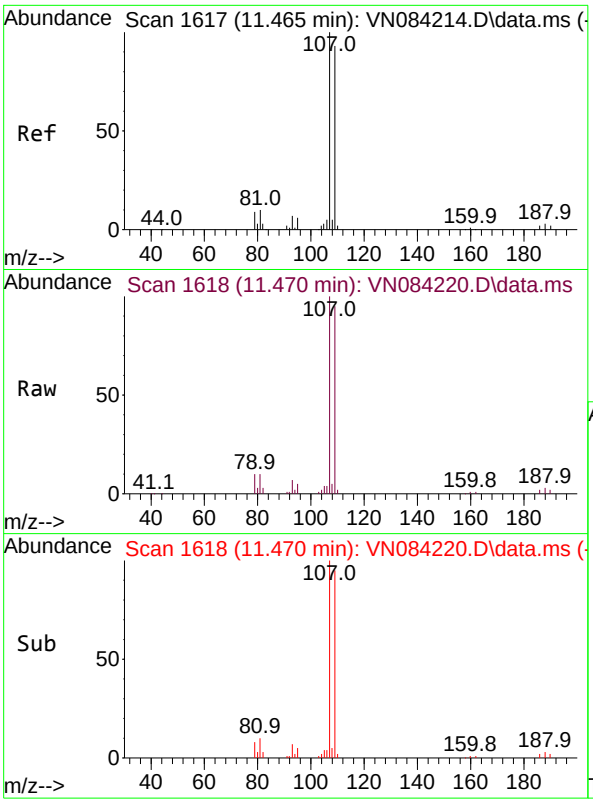


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9



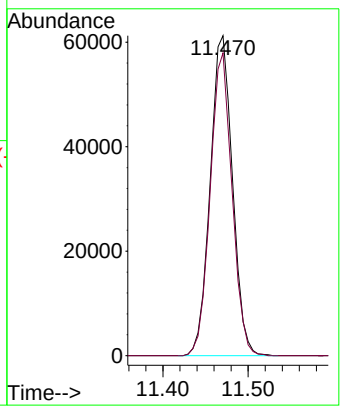


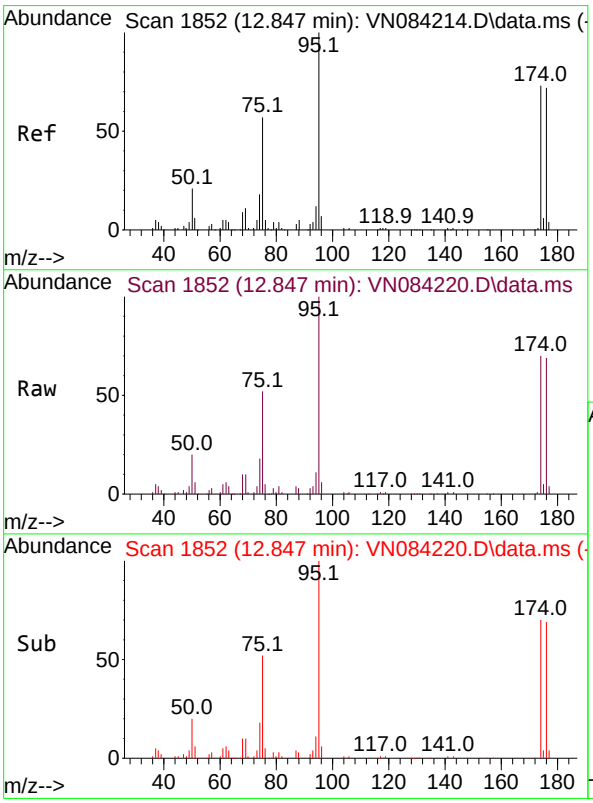
#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:107 Resp: 111244

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

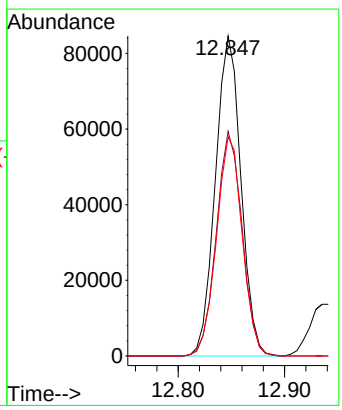


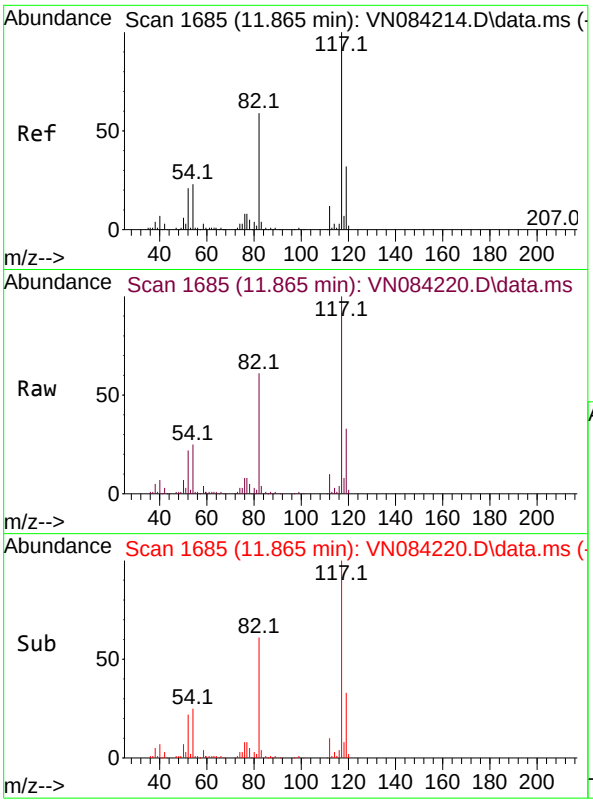


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



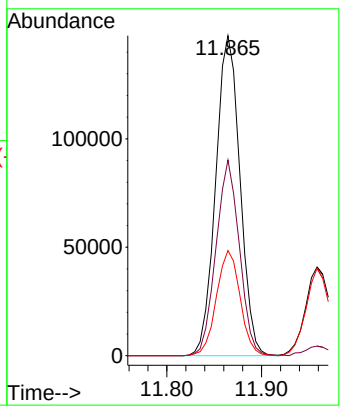


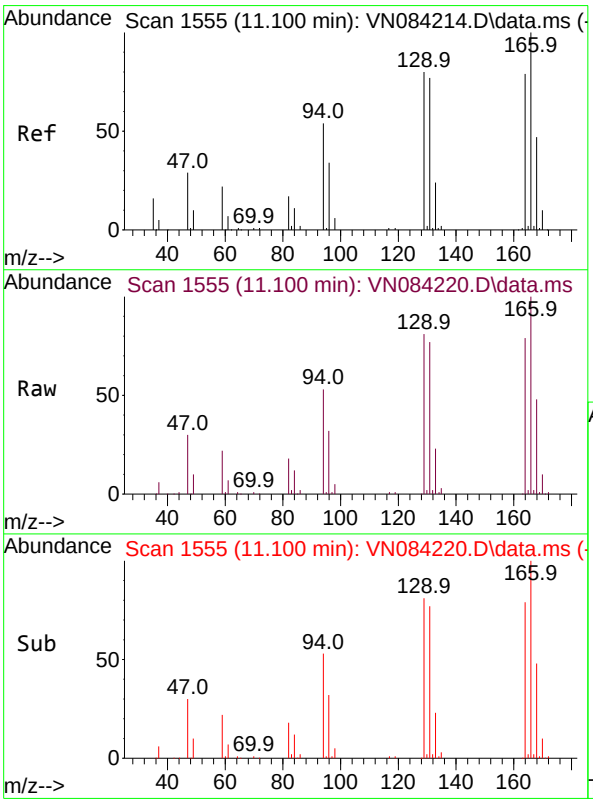
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

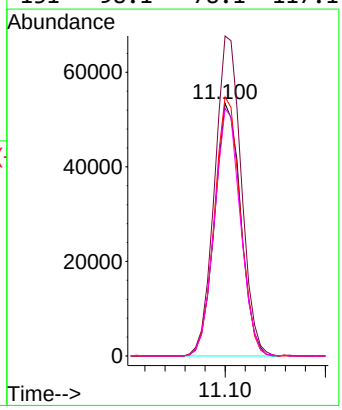


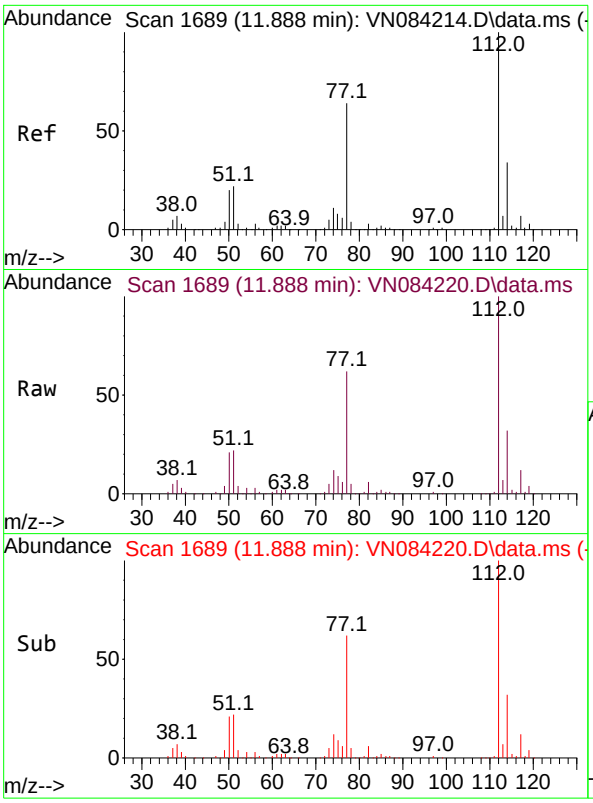


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



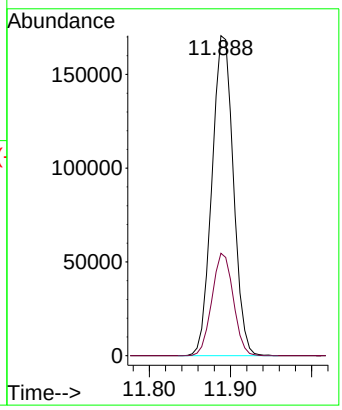


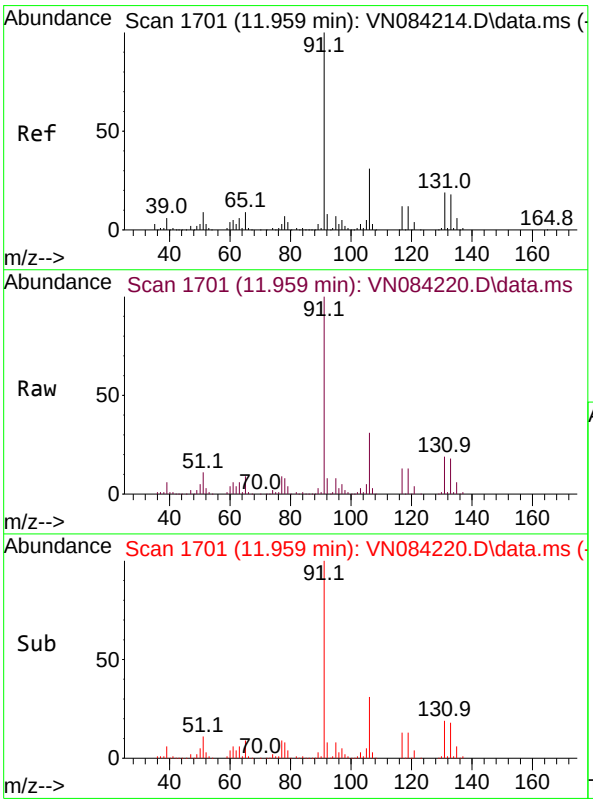
#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:112 Resp: 312728

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

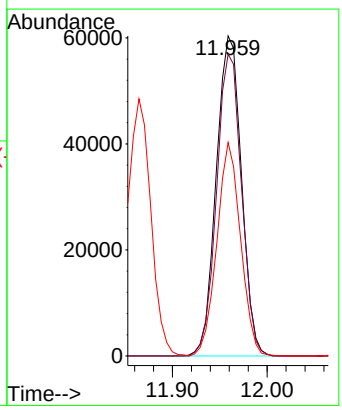


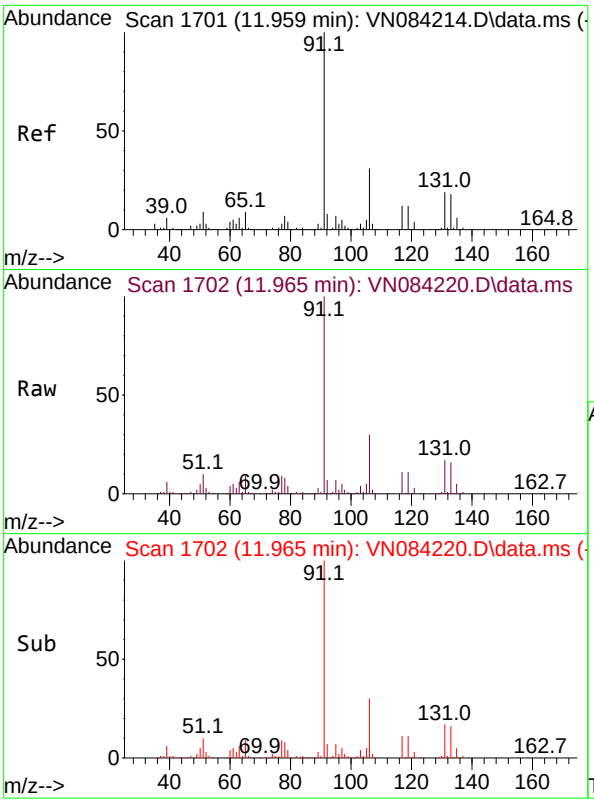


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



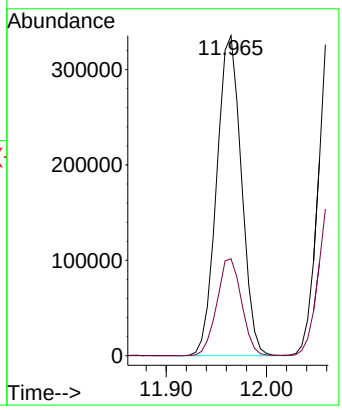


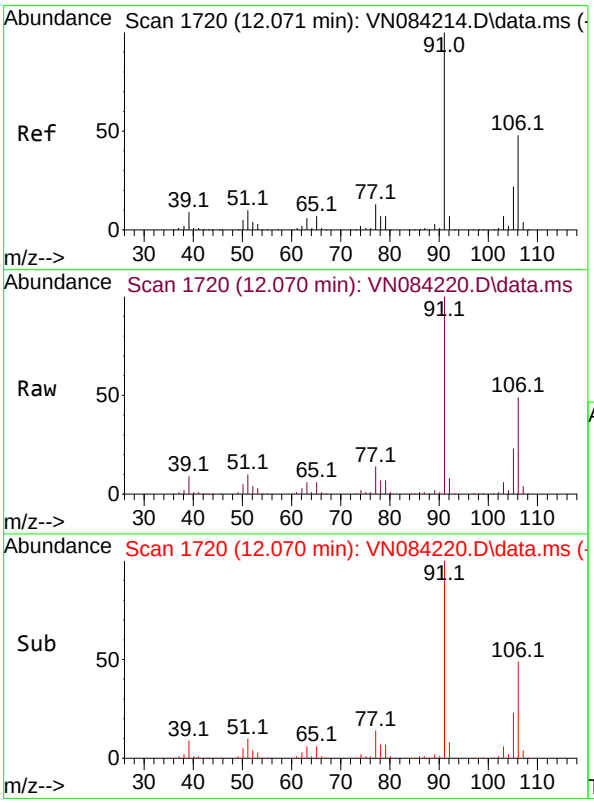
#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 573790

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

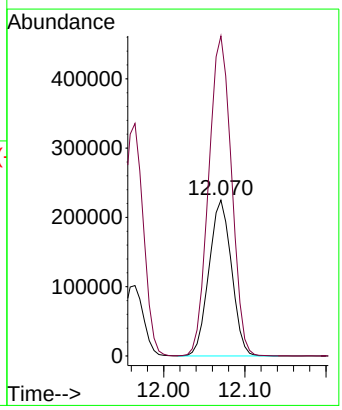


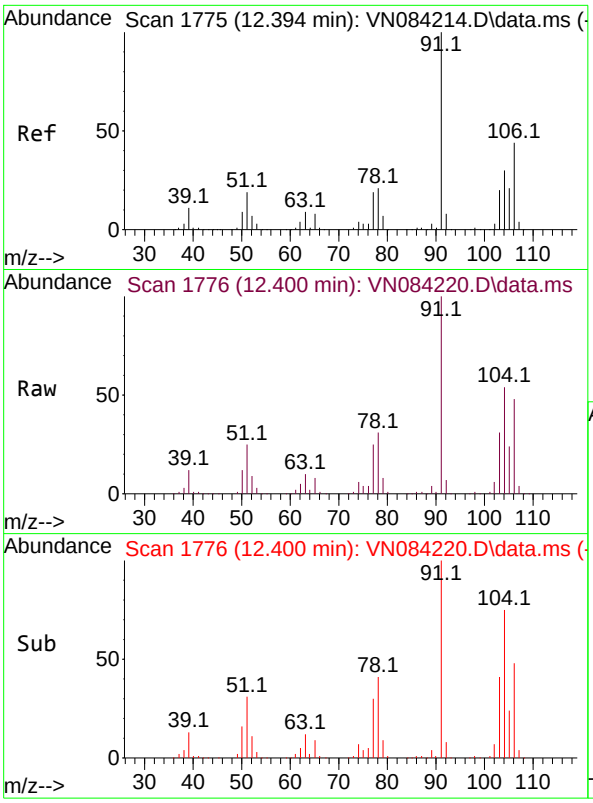


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7



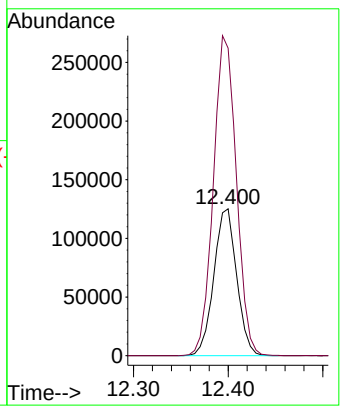


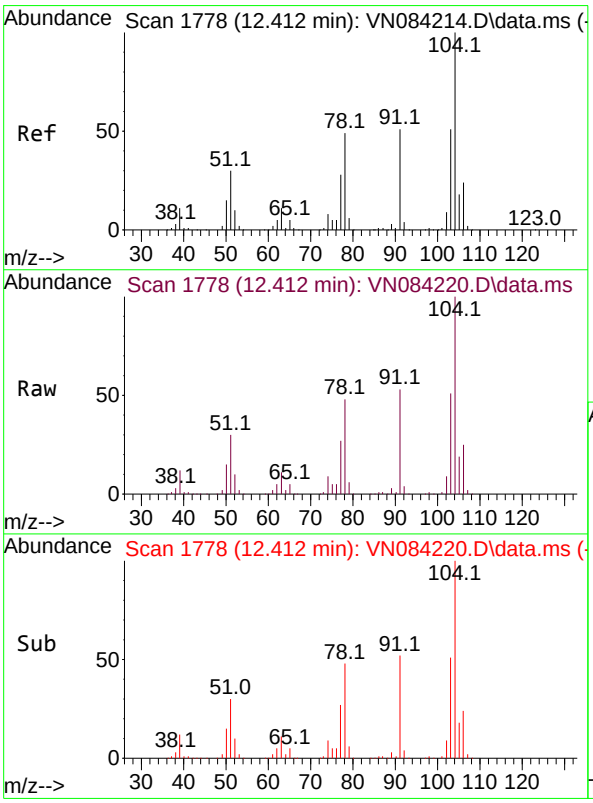
#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:106 Resp: 209737

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6

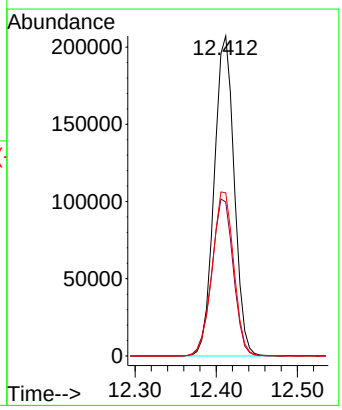


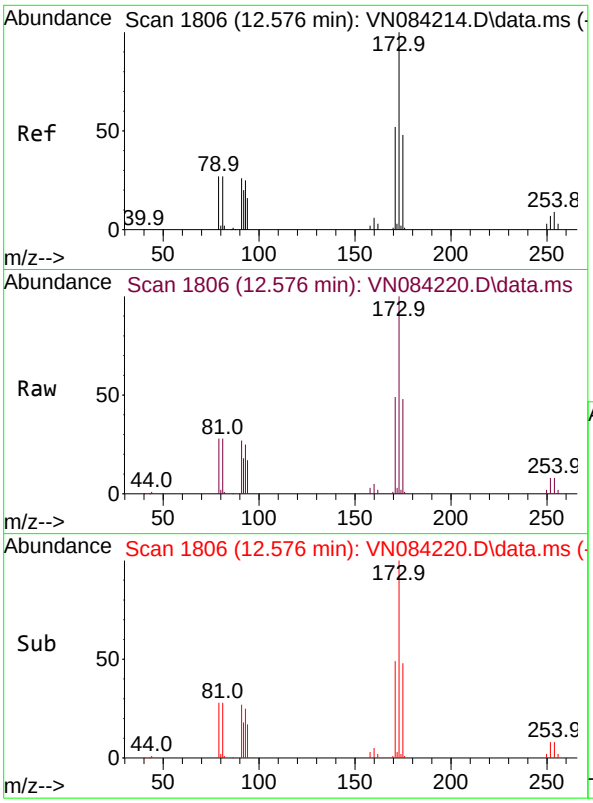


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



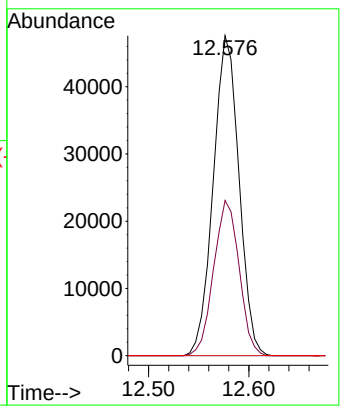


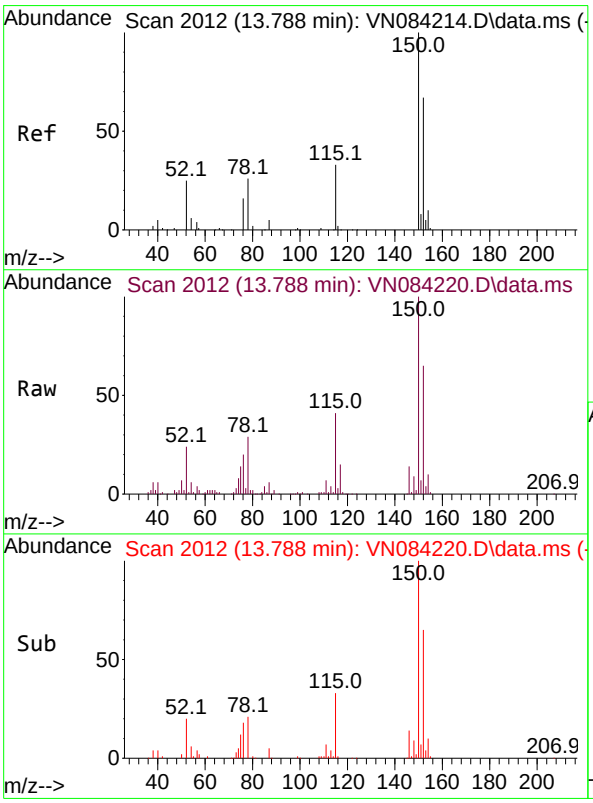
#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

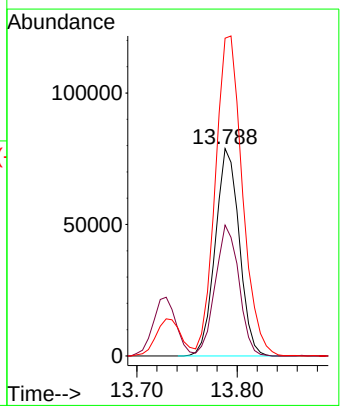


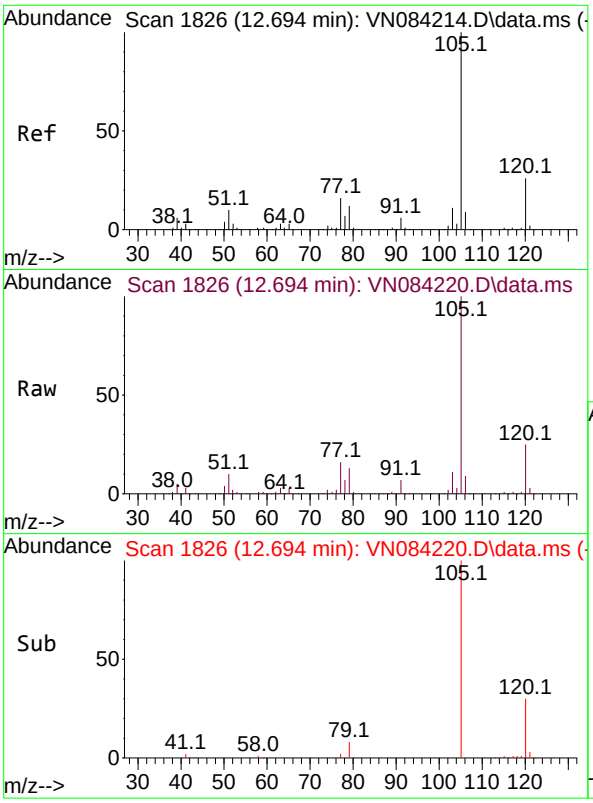


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



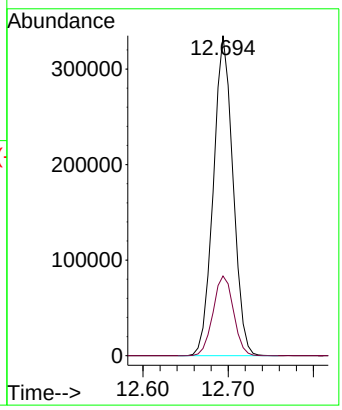


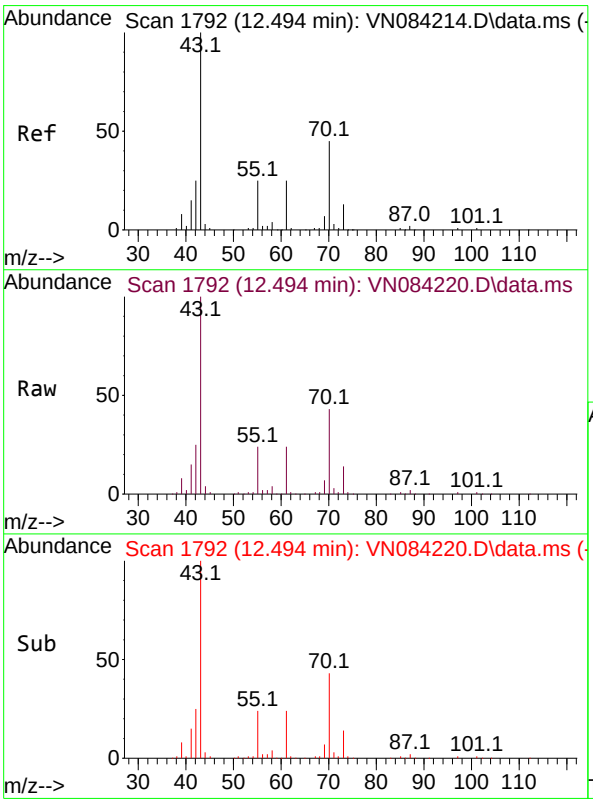
#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 535240

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

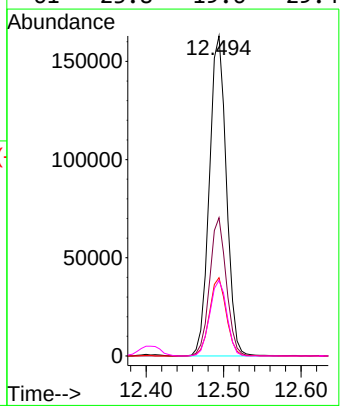


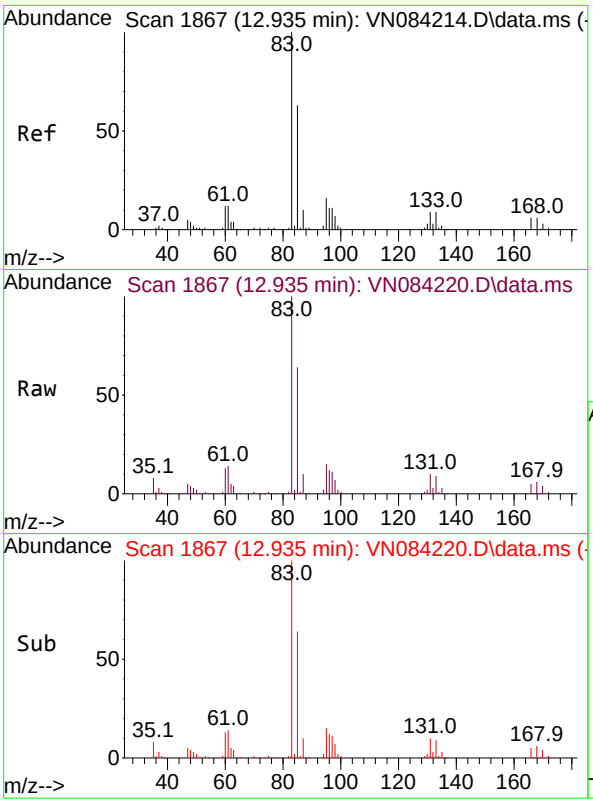


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



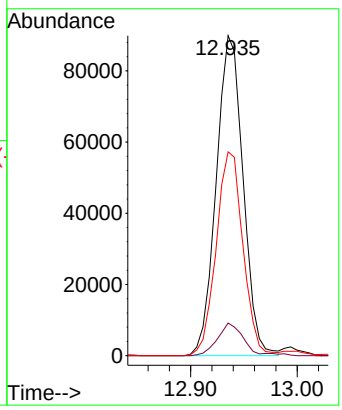


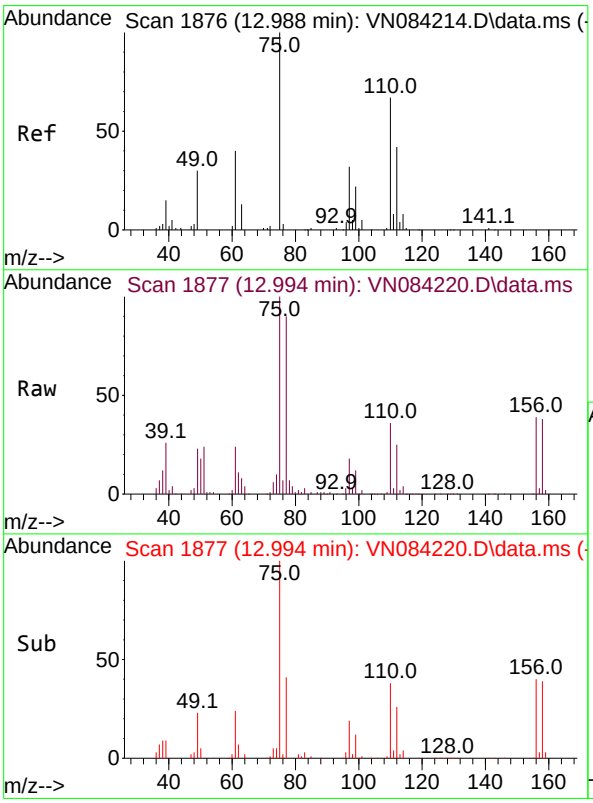
#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

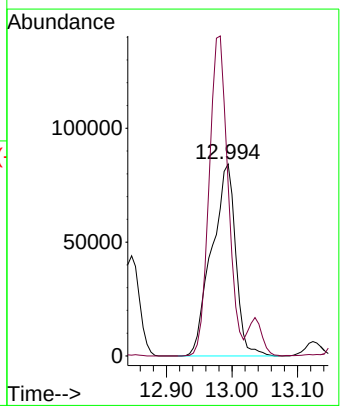


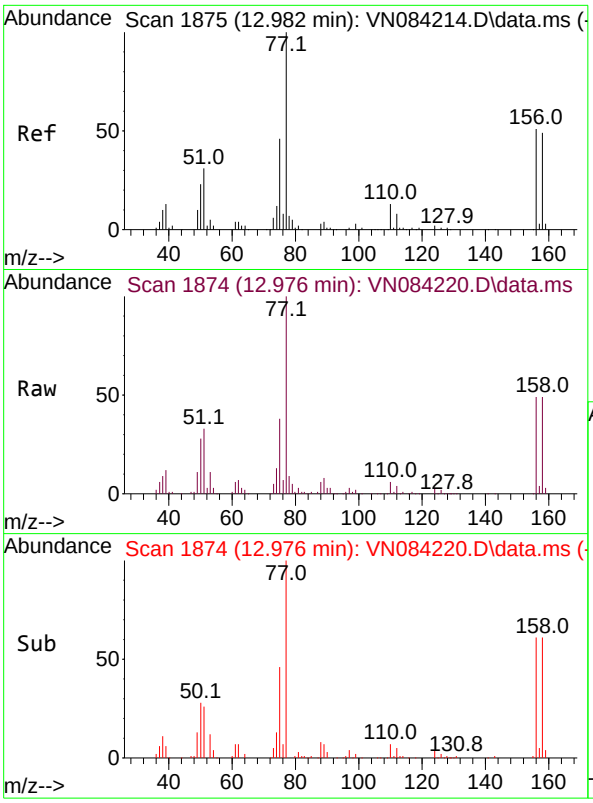


#76
1,2,3-Trichloropropane
Concen: 79.795 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 213162

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



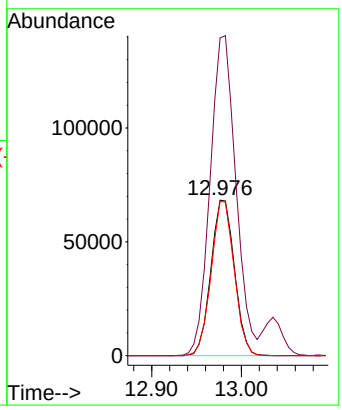


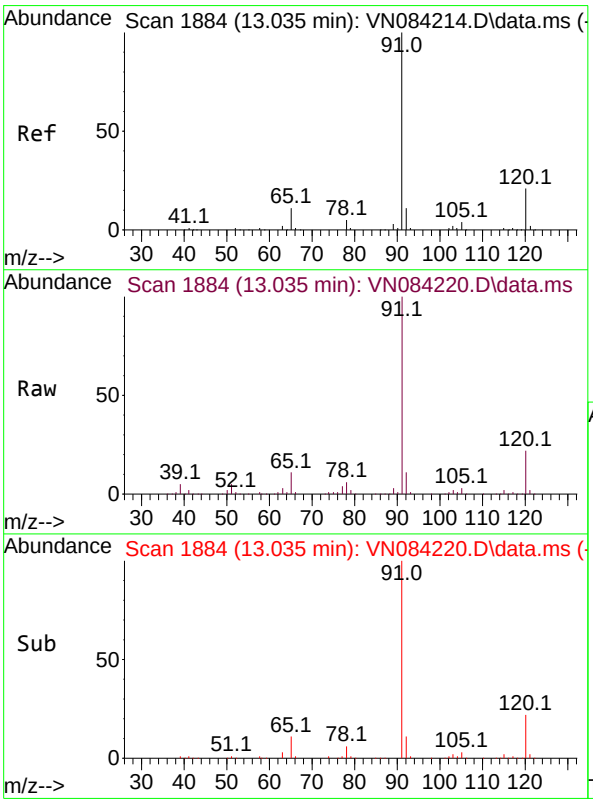
#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

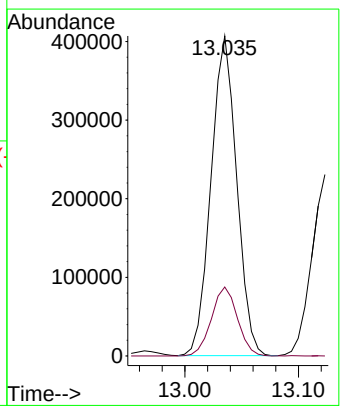


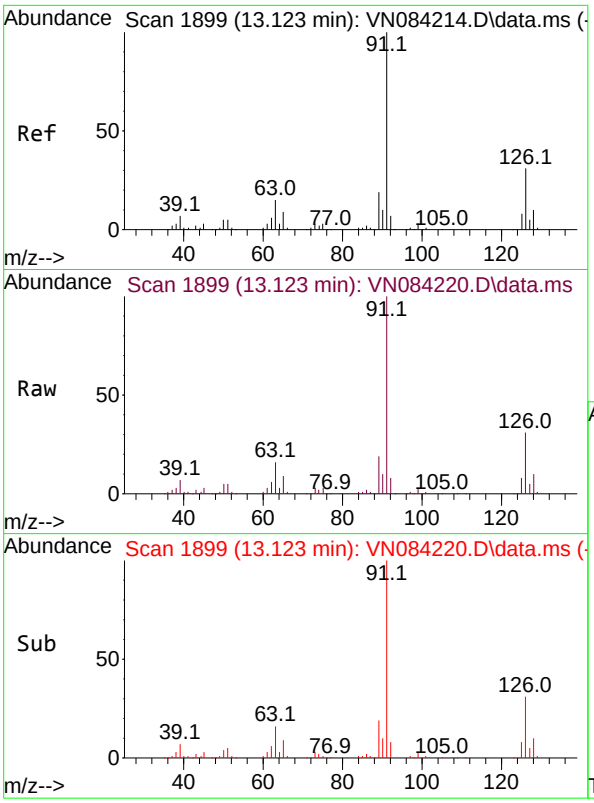


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



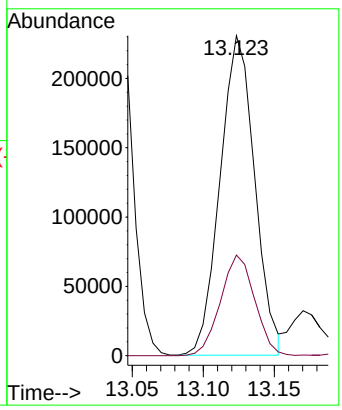


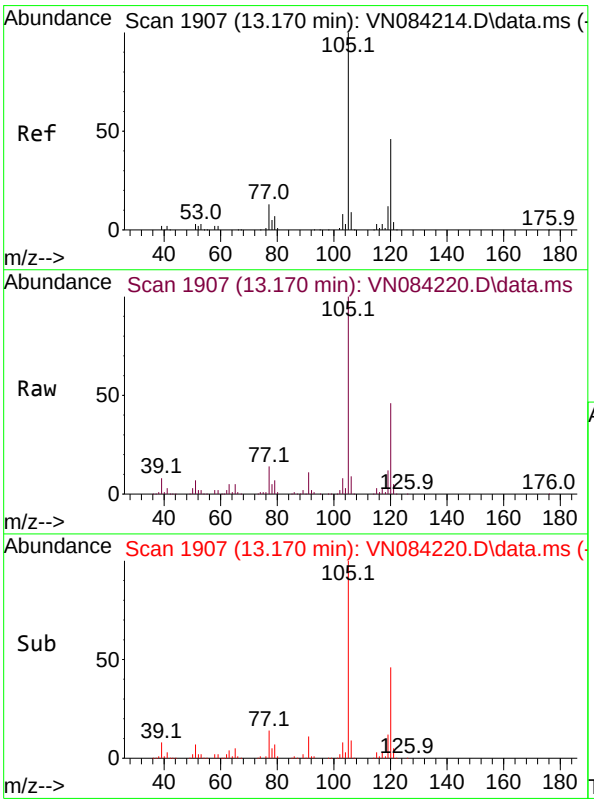
#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 390502

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

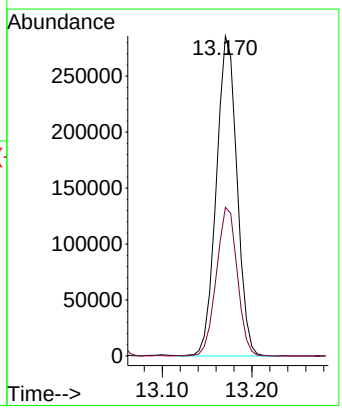


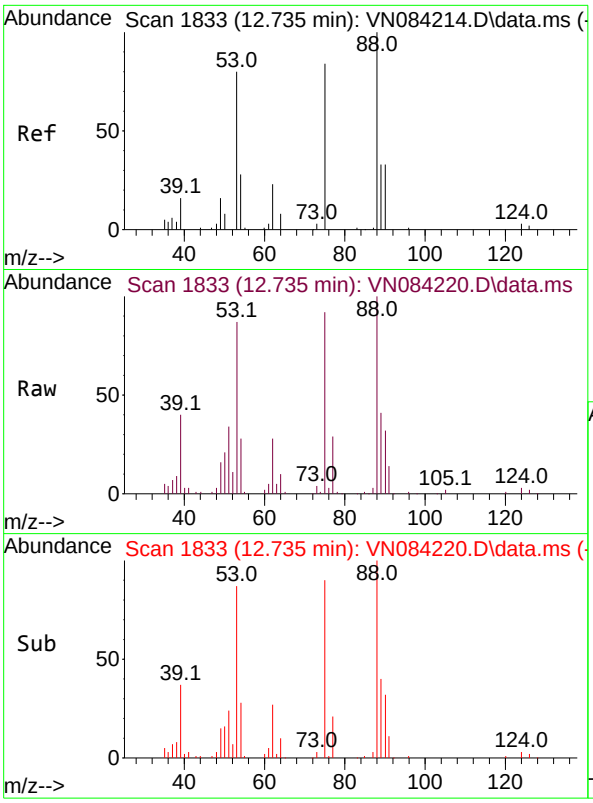


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1



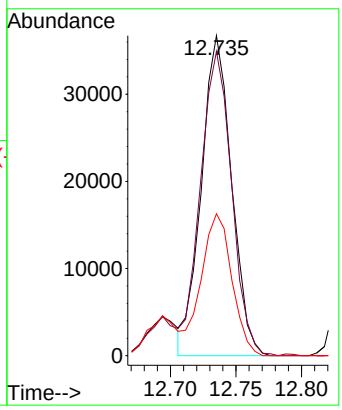


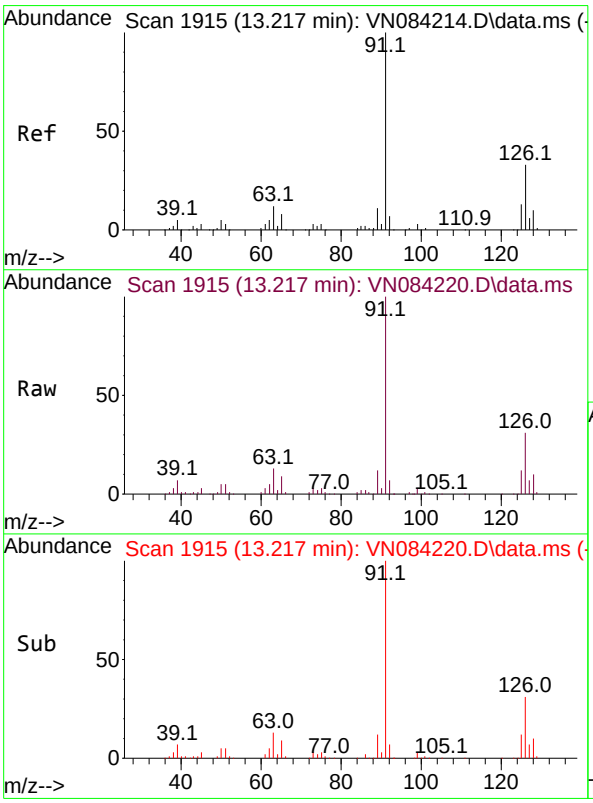
#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

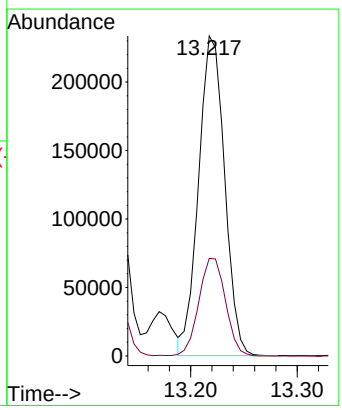


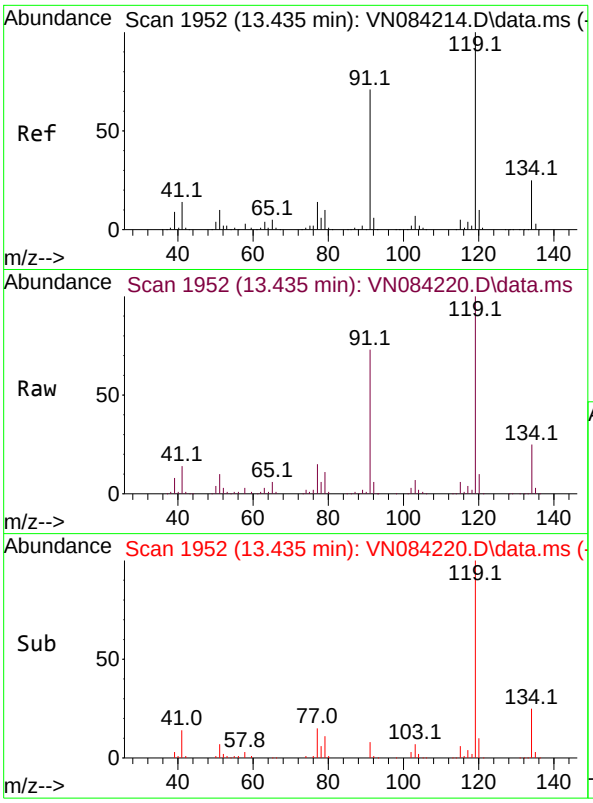


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



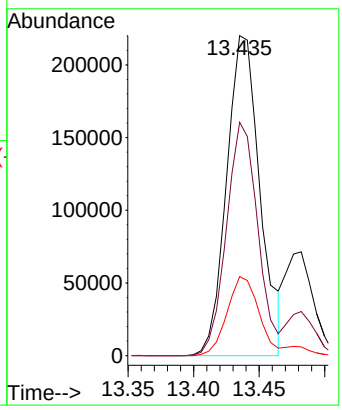


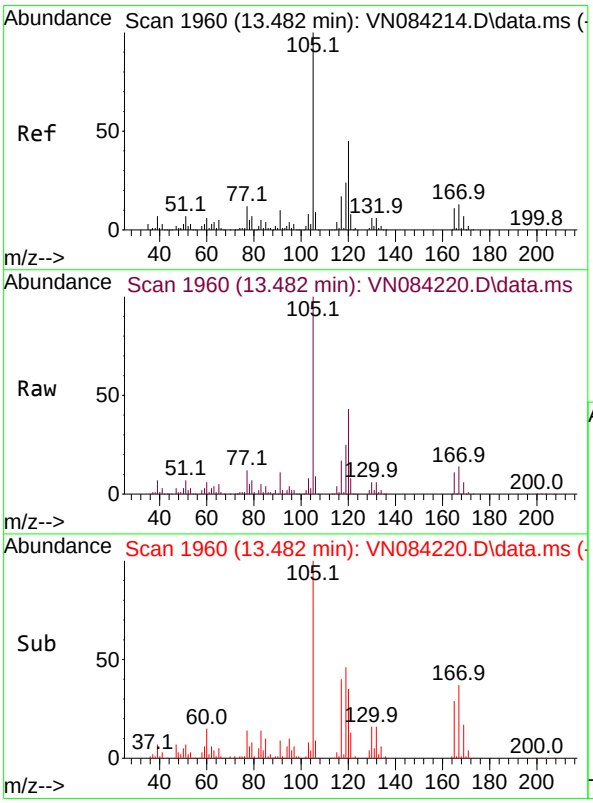
#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

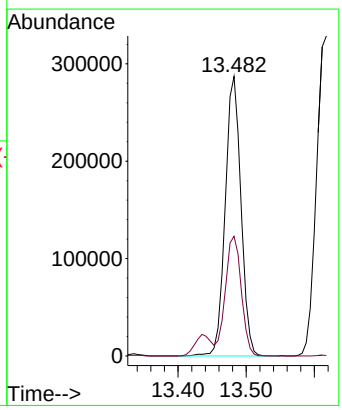


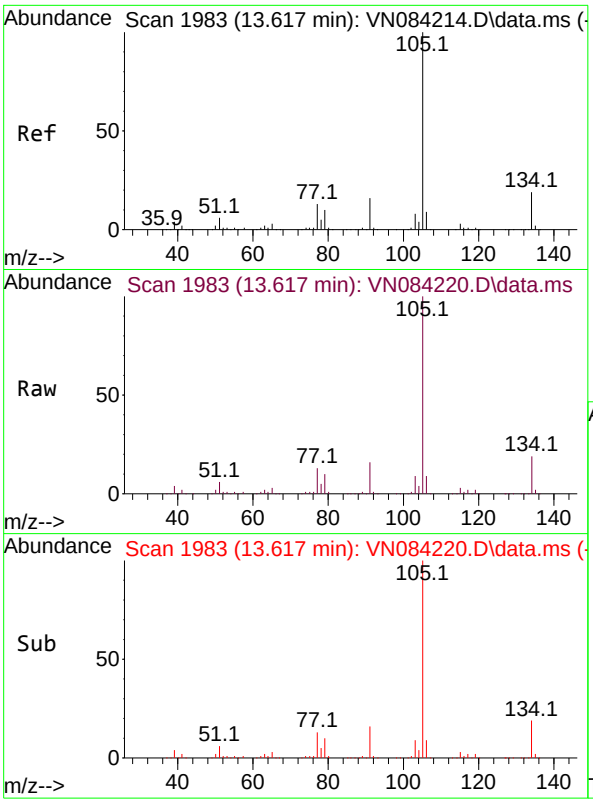


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8



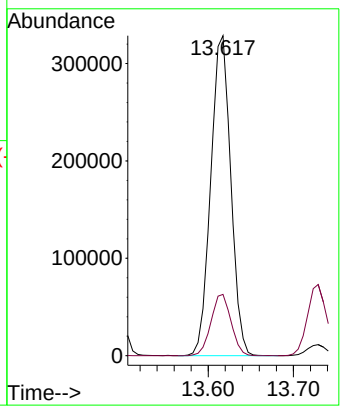


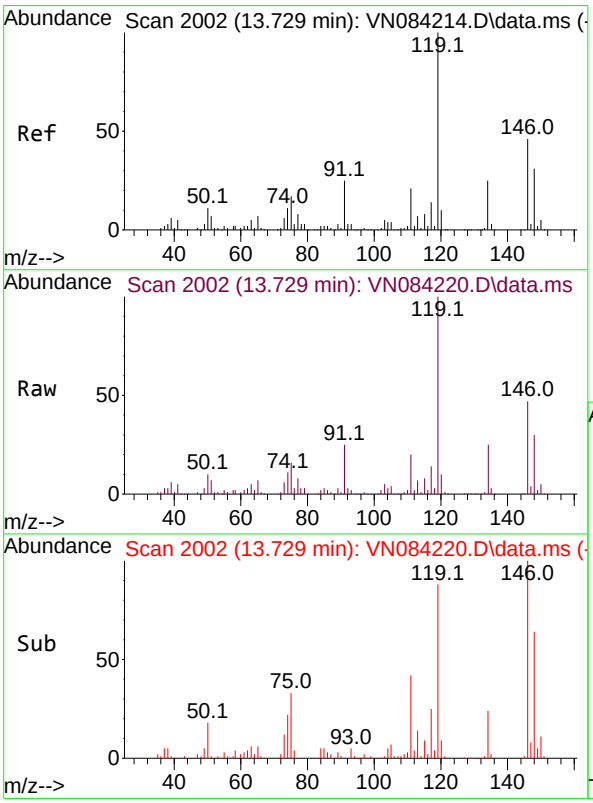
#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 536685

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

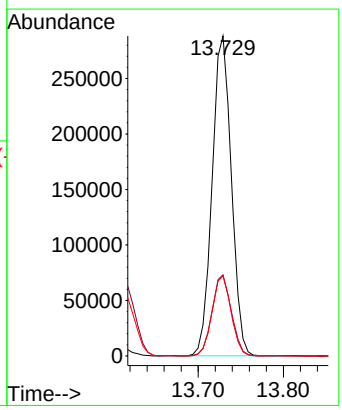


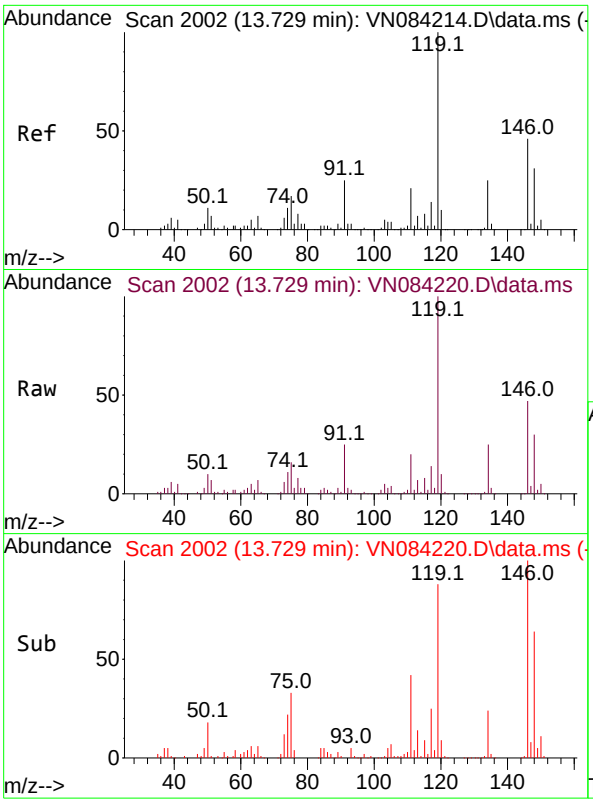


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



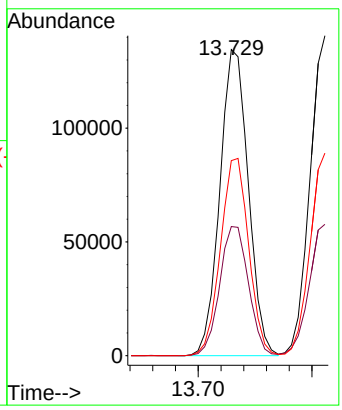


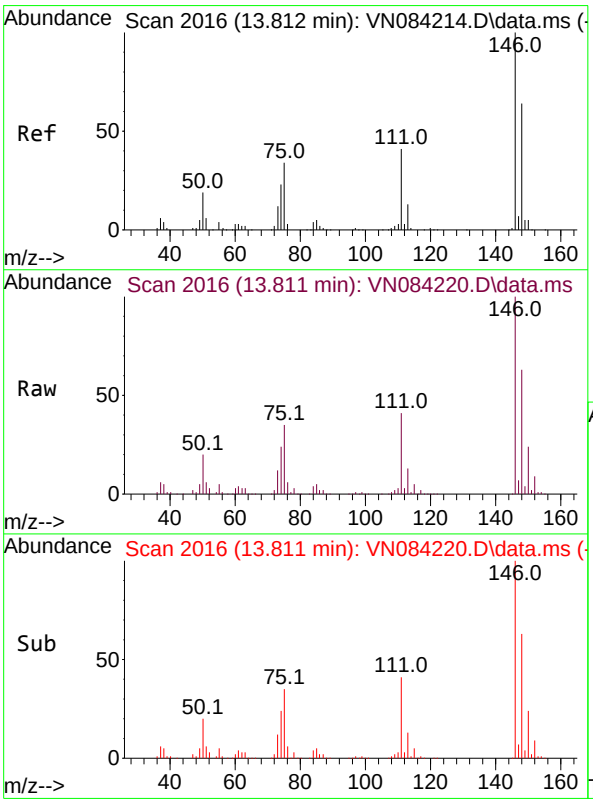
#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

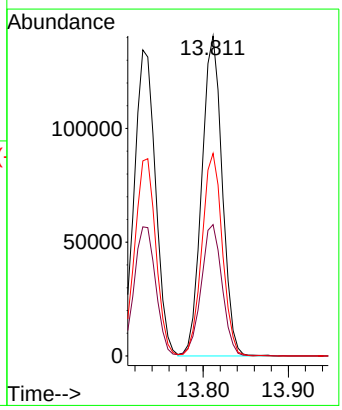


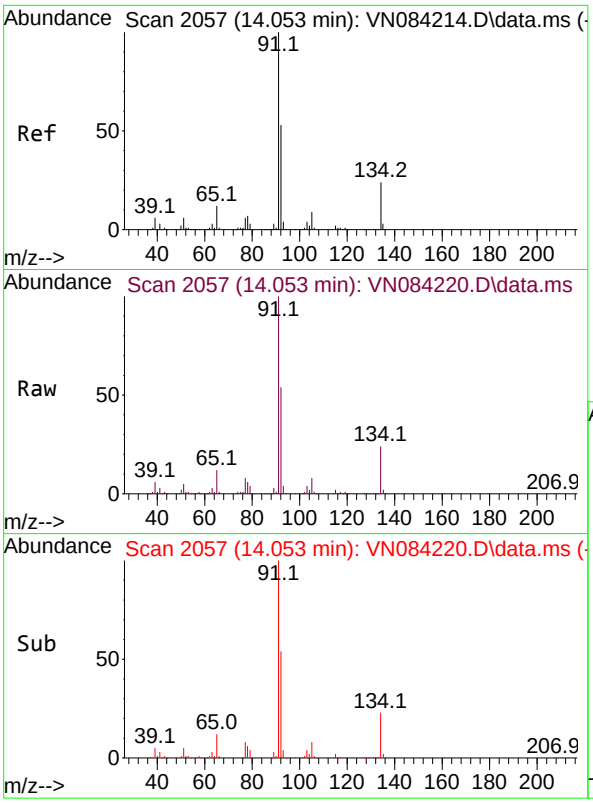


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



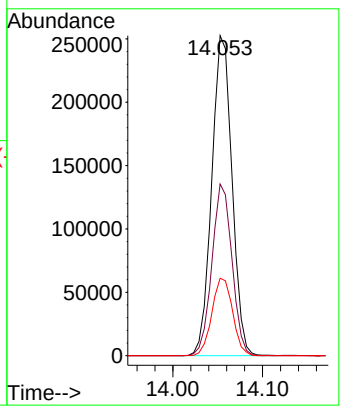


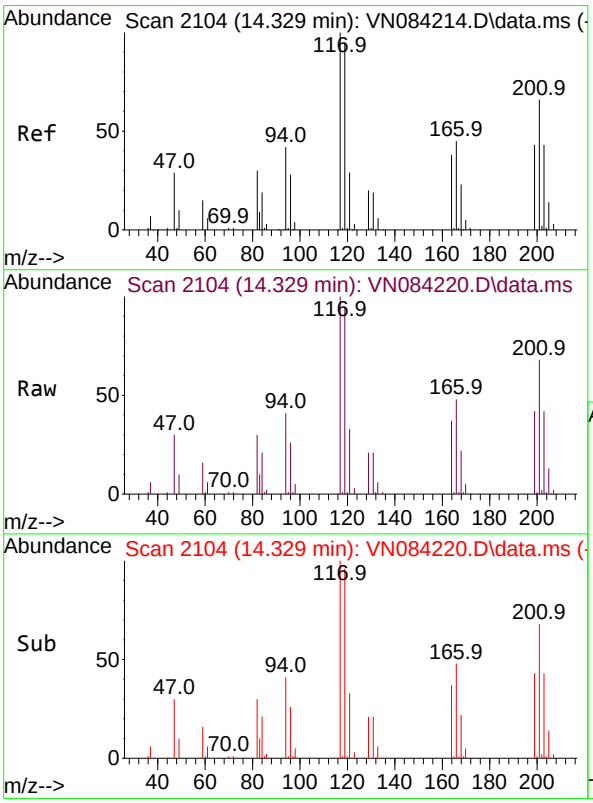
#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

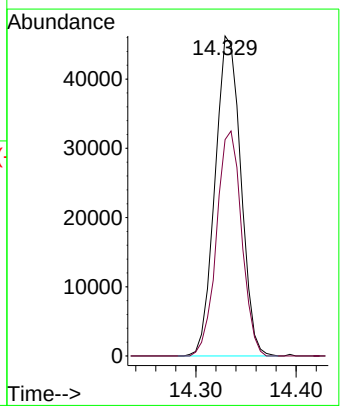


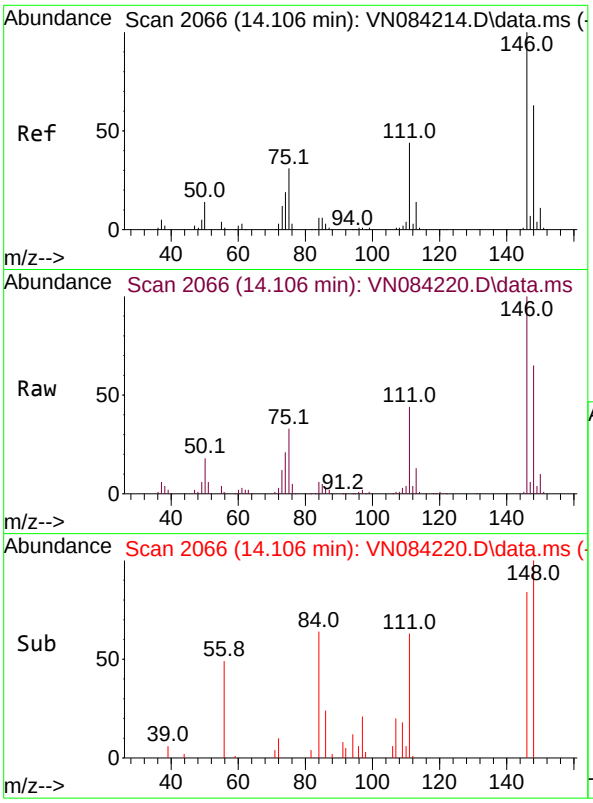


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2



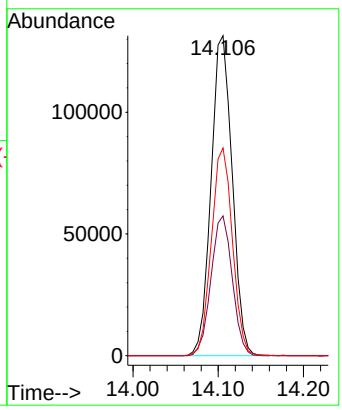


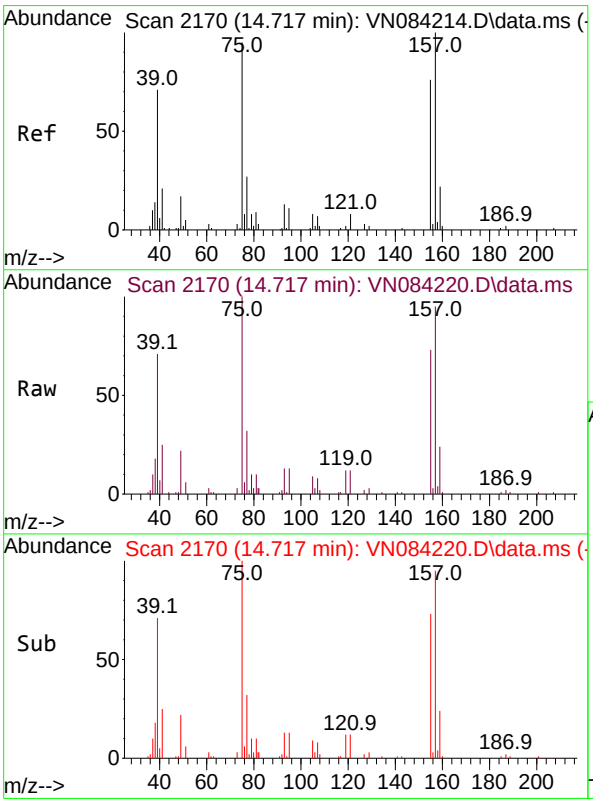
#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

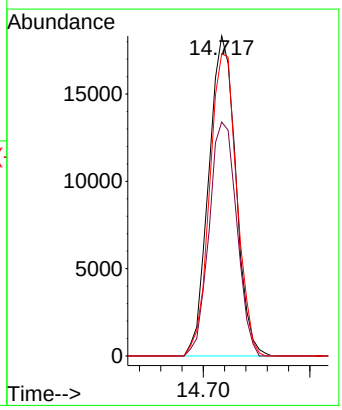


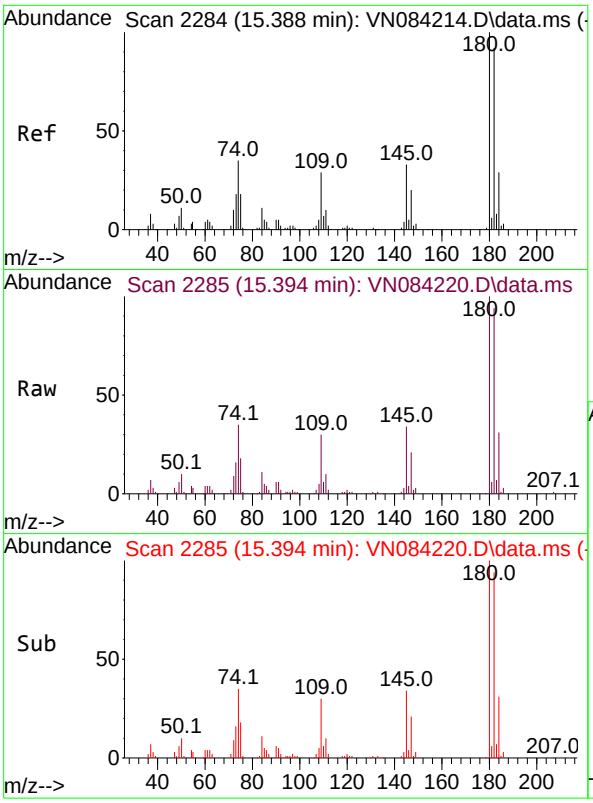


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



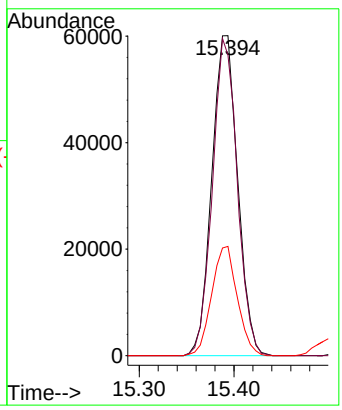


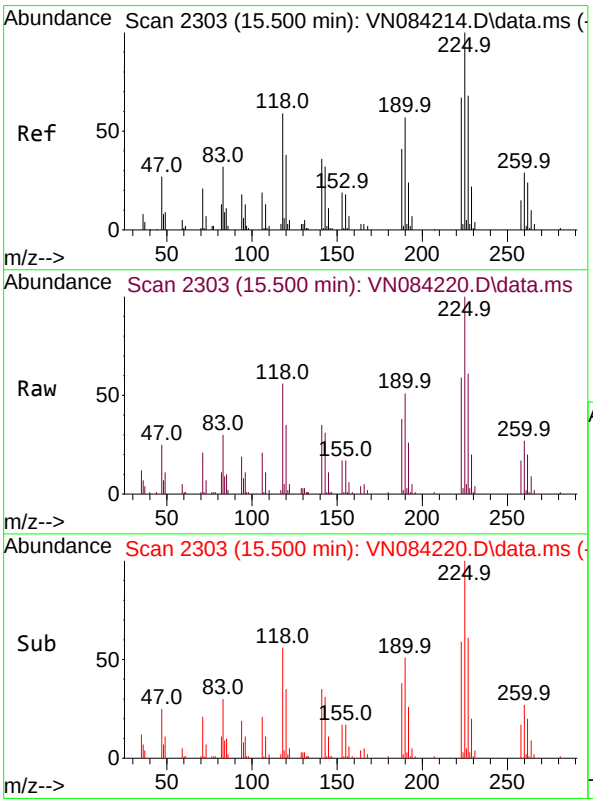
#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

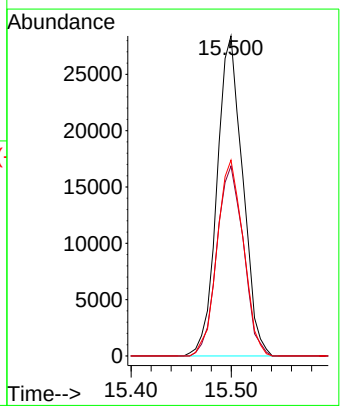


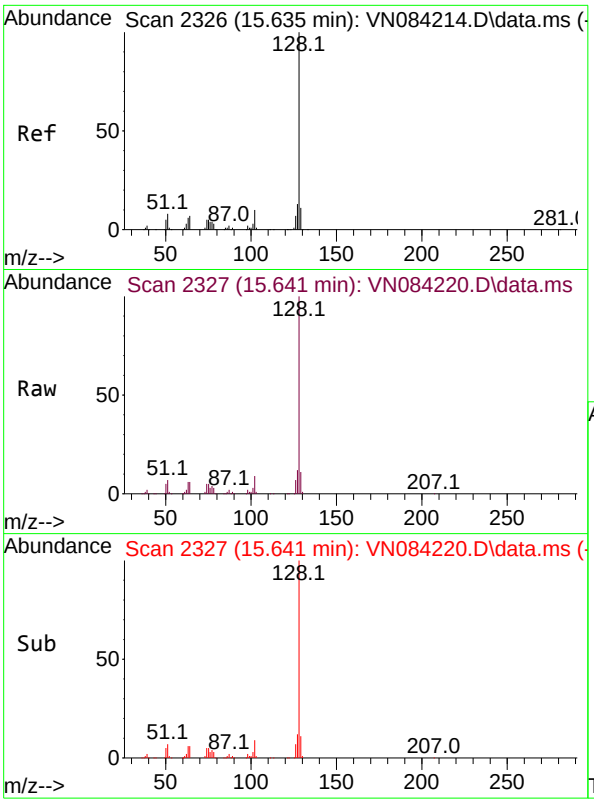


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



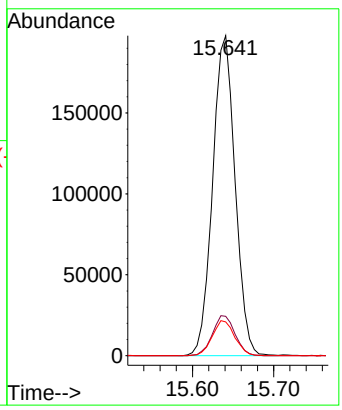


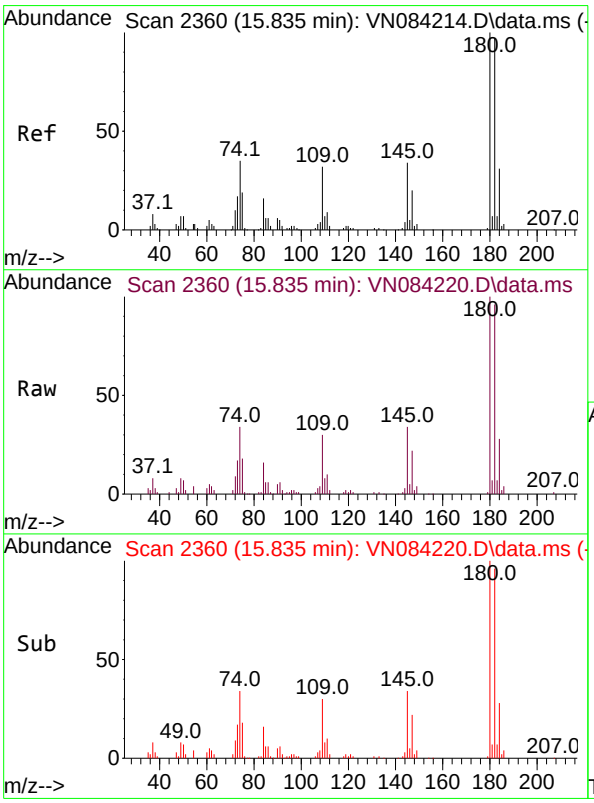
#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

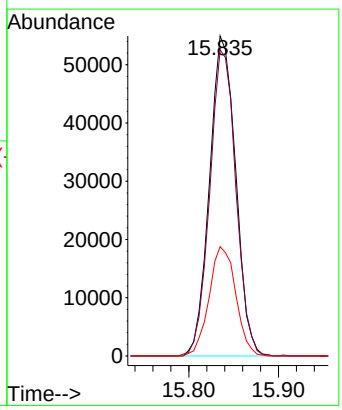




#96
1,2,3-Trichlorobenzene
Concen: 50.853 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120579	47.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.580%			
35) Dibromofluoromethane	8.165	113	98248	50.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.565	98	358680	50.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.847	95	133654	51.620	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	82254	40.436	ug/l	95
3) Chloromethane	2.359	50	100723	43.365	ug/l	97
4) Vinyl Chloride	2.512	62	103481	45.994	ug/l	99
5) Bromomethane	2.942	94	65682	44.260	ug/l	98
6) Chloroethane	3.112	64	66444	41.236	ug/l	96
7) Trichlorofluoromethane	3.495	101	172264	49.170	ug/l	97
8) Diethyl Ether	3.959	74	63668	48.999	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	99832	49.731	ug/l	98
10) Methyl Iodide	4.583	142	131239	50.766	ug/l	99
11) Tert butyl alcohol	5.524	59	90656	215.618	ug/l	100
12) 1,1-Dichloroethene	4.342	96	98864	51.058	ug/l	98
13) Acrolein	4.183	56	109819	227.519	ug/l	100
14) Allyl chloride	5.024	41	173481	51.588	ug/l	90
15) Acrylonitrile	5.718	53	265121	249.703	ug/l	98
16) Acetone	4.424	43	261105	238.375	ug/l	95
17) Carbon Disulfide	4.706	76	280239	45.712	ug/l	100
18) Methyl Acetate	5.024	43	115965	48.574	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	335397	51.320	ug/l	99
20) Methylene Chloride	5.271	84	110864	49.790	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	105749	52.129	ug/l	99
22) Diisopropyl ether	6.671	45	351223	50.493	ug/l	98
23) Vinyl Acetate	6.600	43	1340680	259.866	ug/l	99
24) 1,1-Dichloroethane	6.565	63	198970	51.151	ug/l	99
25) 2-Butanone	7.483	43	362565	243.024	ug/l	99
26) 2,2-Dichloropropane	7.488	77	179346	51.135	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	125320	51.122	ug/l	98
28) Bromochloromethane	7.812	49	83517	48.121	ug/l	98
29) Tetrahydrofuran	7.835	42	216232	234.864	ug/l	95
30) Chloroform	7.965	83	208060	51.493	ug/l	100
31) Cyclohexane	8.259	56	172015	45.545	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	186384	51.361	ug/l	98
36) 1,1-Dichloropropene	8.371	75	146576	52.238	ug/l	100
37) Ethyl Acetate	7.559	43	137478	47.758	ug/l	98
38) Carbon Tetrachloride	8.359	117	161513	52.474	ug/l	100
39) Methylcyclohexane	9.600	83	169802	54.374	ug/l	96
40) Benzene	8.606	78	456615	52.231	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	80630	51.594	ug/l		98
42) 1,2-Dichloroethane	8.671	62	152654	51.507	ug/l		100
43) Isopropyl Acetate	8.688	43	237917	42.196	ug/l		98
44) Trichloroethene	9.353	130	108146	52.965	ug/l		97
45) 1,2-Dichloropropane	9.624	63	111202	53.771	ug/l		99
46) Dibromomethane	9.706	93	76980	55.158	ug/l		97
47) Bromodichloromethane	9.888	83	165466	53.365	ug/l		99
48) Methyl methacrylate	9.682	41	115233	51.341	ug/l		98
49) 1,4-Dioxane	9.694	88	42211	1021.535	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	714612	260.776	ug/l		99
52) Toluene	10.629	92	287688	53.965	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	169316	53.570	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	184315	54.216	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	104956	54.918	ug/l		96
56) Ethyl methacrylate	10.876	69	172502	54.855	ug/l		98
57) 1,3-Dichloropropane	11.165	76	180331	52.807	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	399737	274.020	ug/l		98
59) 2-Hexanone	11.194	43	527091	257.349	ug/l		97
60) Dibromochloromethane	11.359	129	124650	55.202	ug/l		99
61) 1,2-Dibromoethane	11.471	107	104654	52.700	ug/l		99
64) Tetrachloroethene	11.100	164	95043	51.605	ug/l		98
65) Chlorobenzene	11.888	112	306935	52.353	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	106232	52.606	ug/l		99
67) Ethyl Benzene	11.965	91	546876	52.745	ug/l		100
68) m/p-Xylenes	12.070	106	417795	108.934	ug/l		100
69) o-Xylene	12.400	106	200130	55.153	ug/l		98
70) Styrene	12.412	104	345696	56.245	ug/l		99
71) Bromoform	12.576	173	80848	54.380	ug/l	#	99
73) Isopropylbenzene	12.694	105	516056	51.598	ug/l		100
74) N-amyl acetate	12.494	43	216664	47.839	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	148124	49.254	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	195762	73.162	ug/l		64
77) Bromobenzene	12.976	156	123066	51.012	ug/l		96
78) n-propylbenzene	13.035	91	621310	53.618	ug/l		99
79) 2-Chlorotoluene	13.123	91	377092	50.998	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	439162	53.830	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	53008	47.495	ug/l		99
82) 4-Chlorotoluene	13.217	91	384836	51.701	ug/l		99
83) tert-Butylbenzene	13.435	119	374897	51.702	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	444051	54.030	ug/l		100
85) sec-Butylbenzene	13.612	105	524213	54.176	ug/l		99
86) p-Isopropyltoluene	13.729	119	442063	55.249	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	233492	51.592	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	233732	51.140	ug/l		99
89) n-Butylbenzene	14.053	91	383538	52.864	ug/l		99
90) Hexachloroethane	14.329	117	80426	49.520	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223911	50.456	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28998	46.726	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	119635	54.732	ug/l		99
94) Hexachlorobutadiene	15.500	225	54127	49.655	ug/l		97
95) Naphthalene	15.641	128	369388	50.976	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	116662	53.319	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

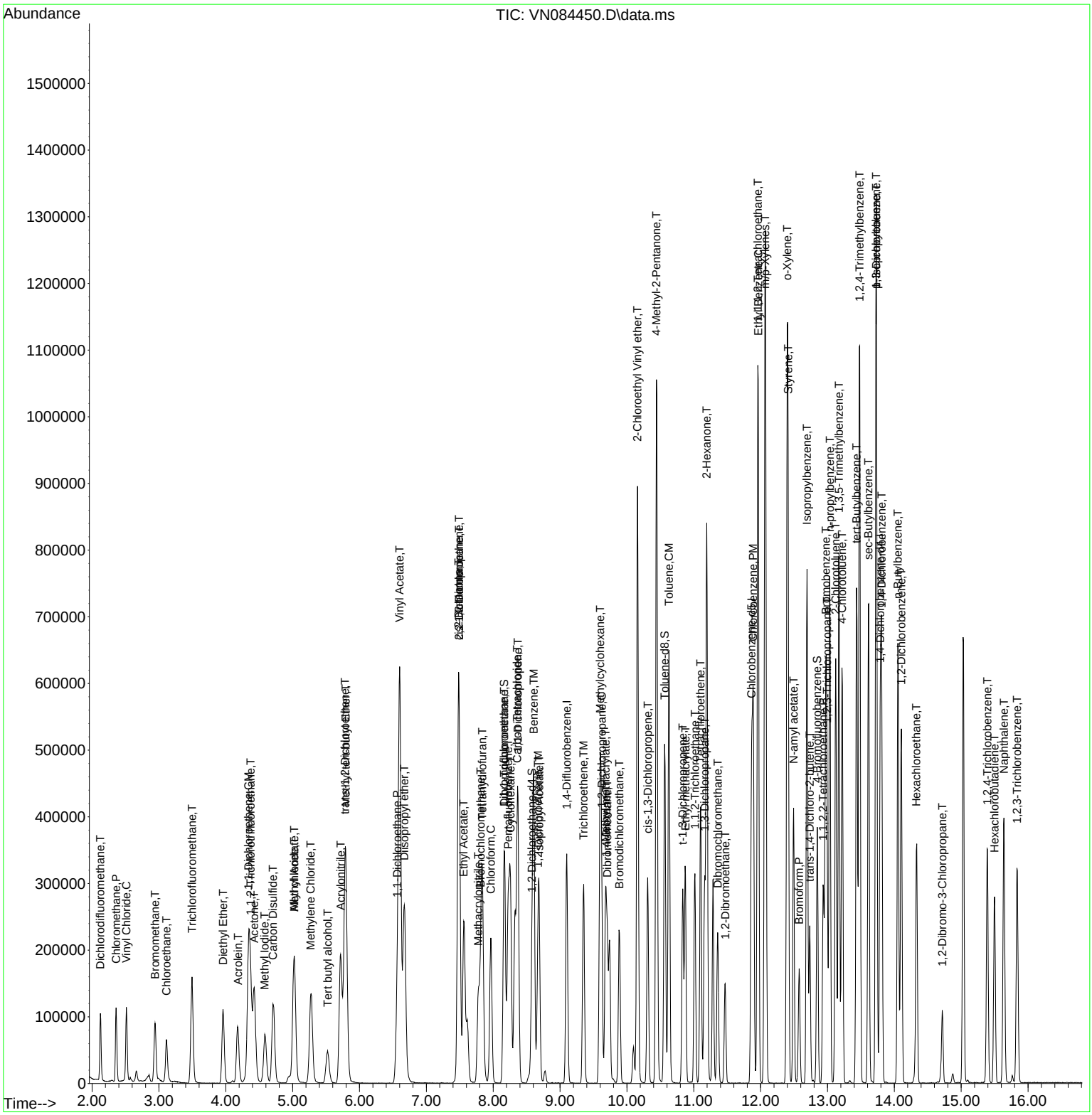
(#) = qualifier out of range (m) = manual integration (+) = signals summed

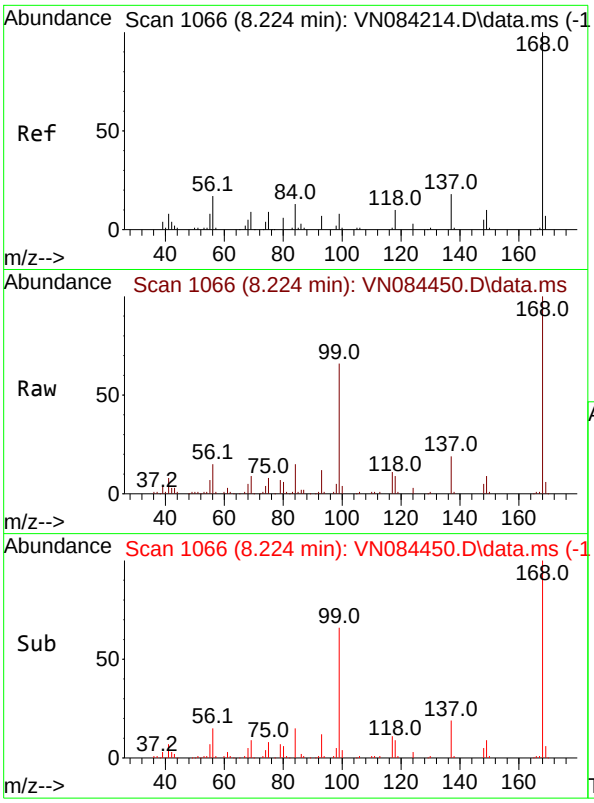
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084450.D
Acq On : 22 Oct 2024 12:50
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 23 01:25:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



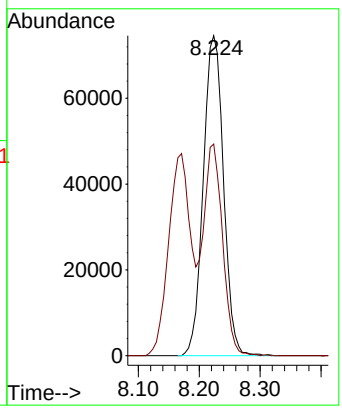


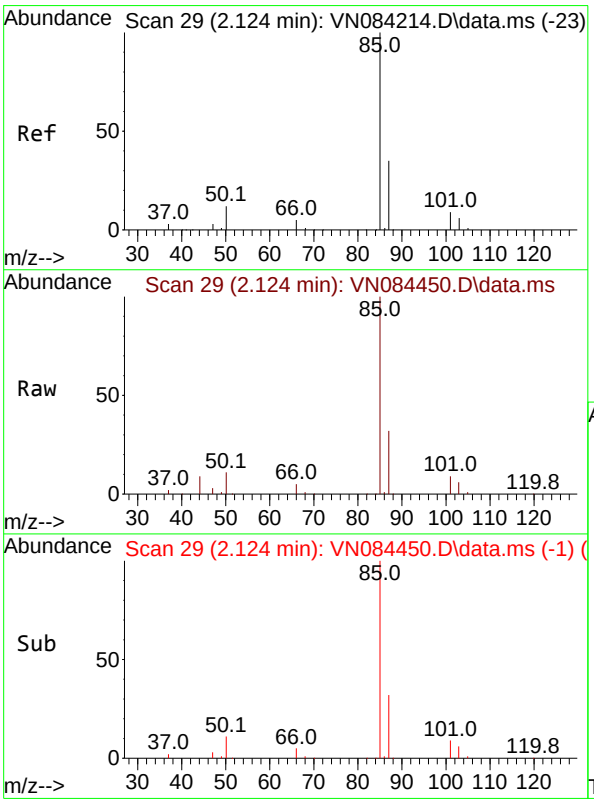
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 171974

Ion	Ratio	Lower	Upper
168	100		
99	66.1	54.2	81.2

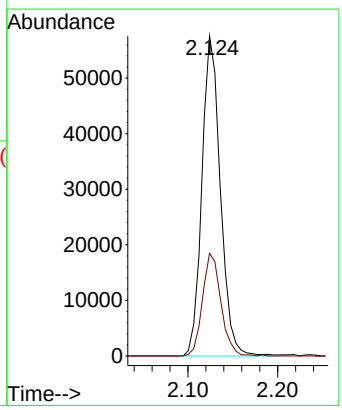


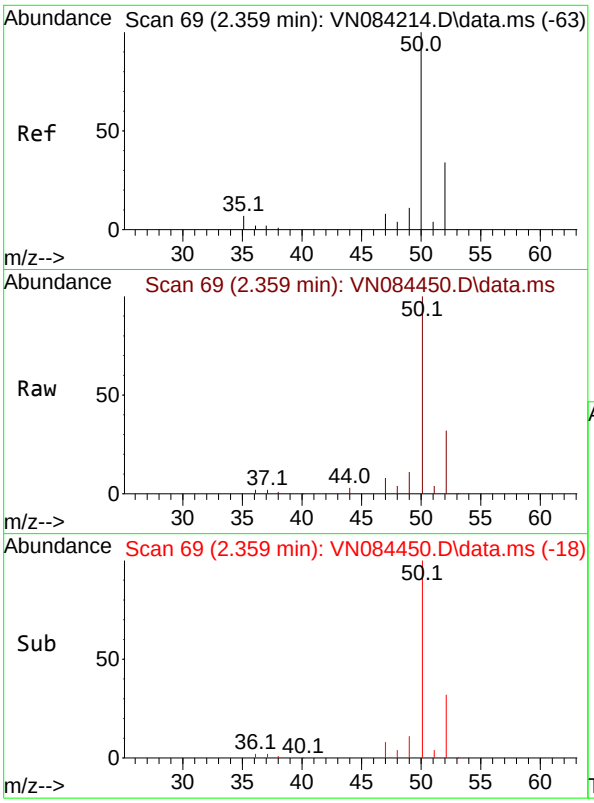


#2
Dichlorodifluoromethane
Concen: 40.436 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 85 Resp: 82254

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.6	52.9



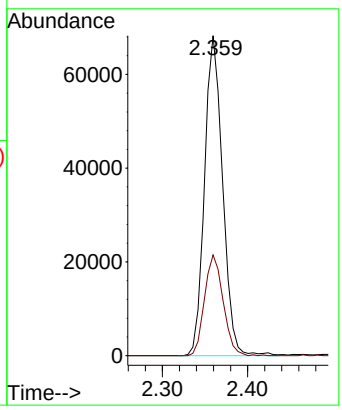


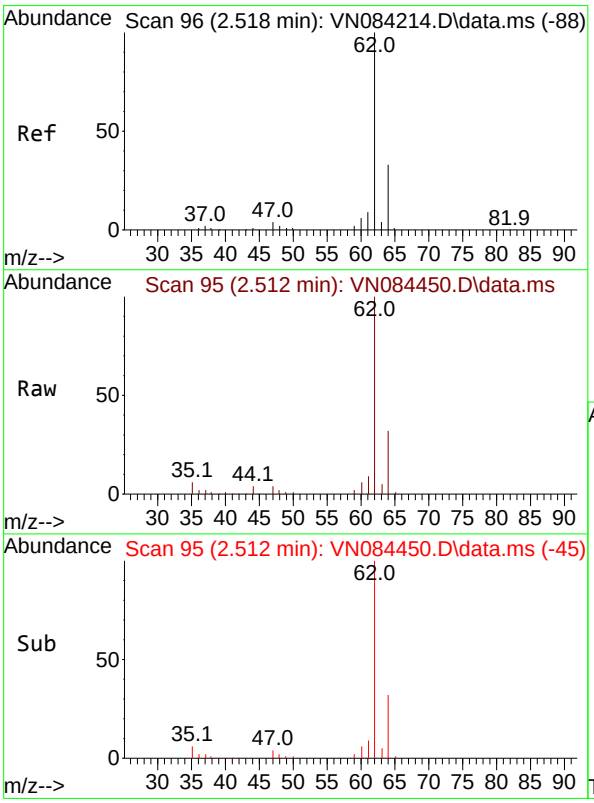
#3
Chloromethane
Concen: 43.365 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 100723

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.8	40.2

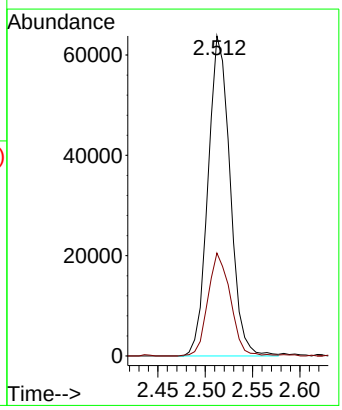


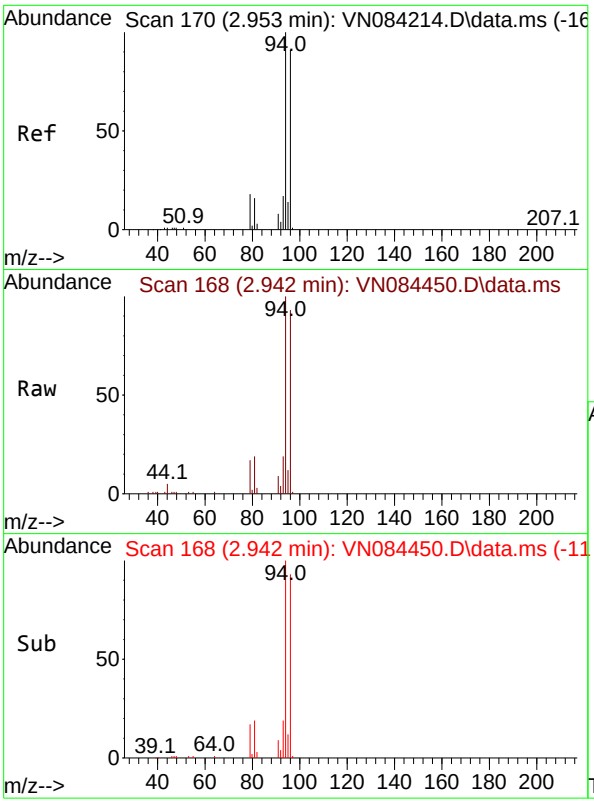


#4
Vinyl Chloride
Concen: 45.994 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 62 Resp: 103481

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



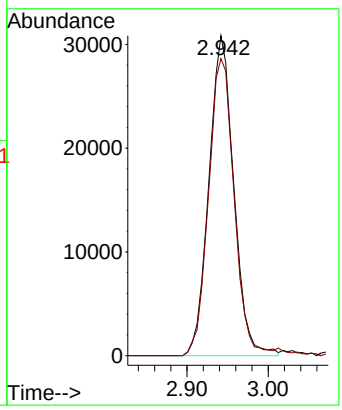


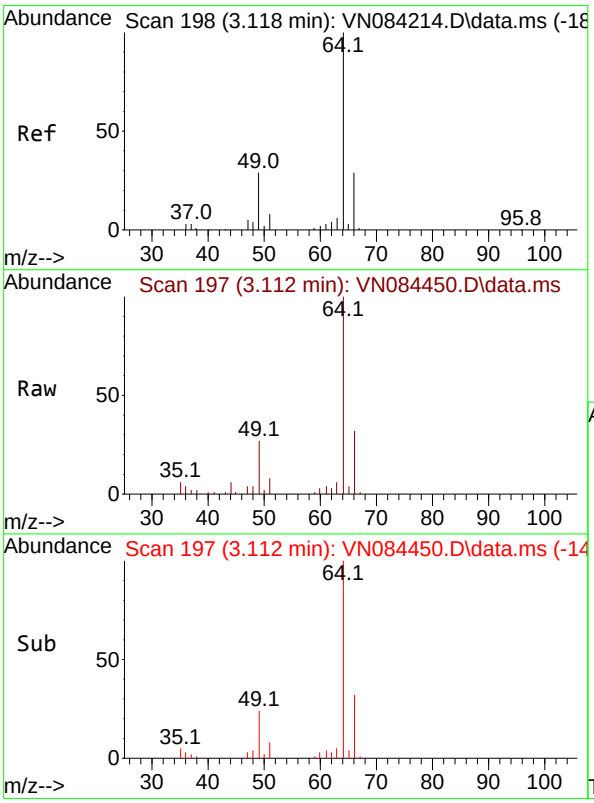
#5
Bromomethane
Concen: 44.260 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 65682

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.9	109.3

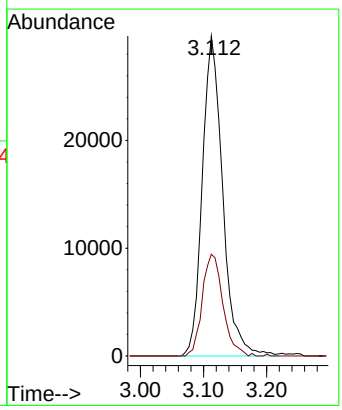


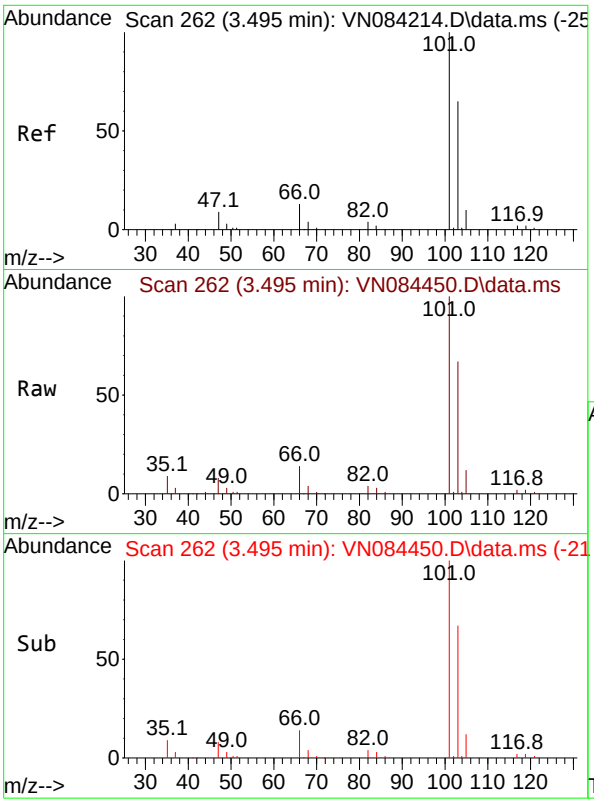


#6
Chloroethane
Concen: 41.236 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 64 Resp: 66444

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3



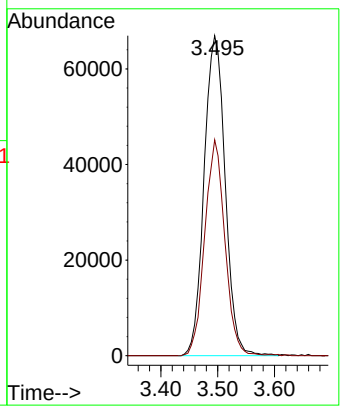


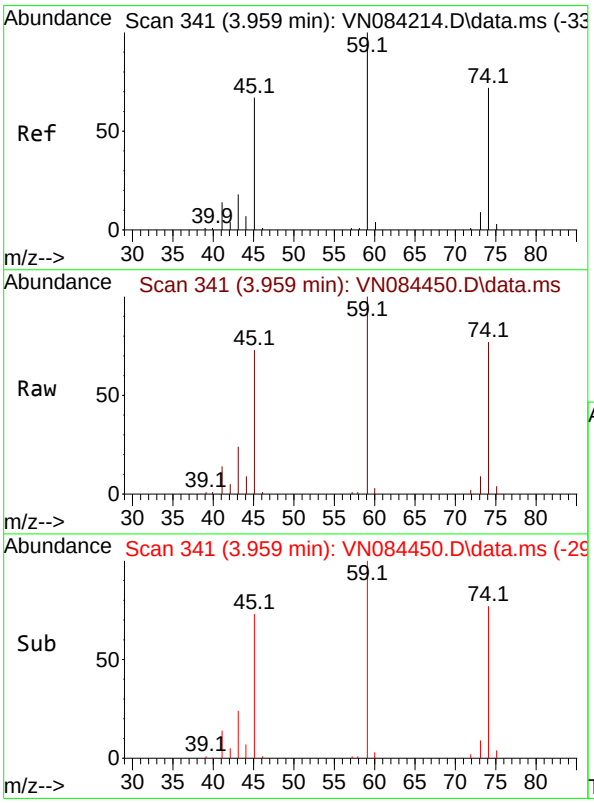
#7
Trichlorofluoromethane
Concen: 49.170 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 172264

Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.8	77.6

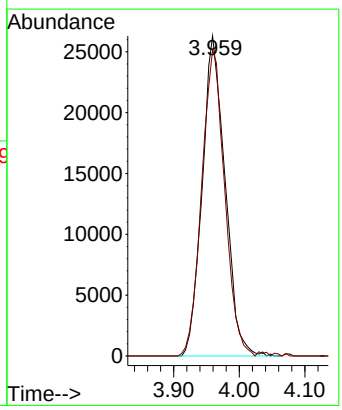


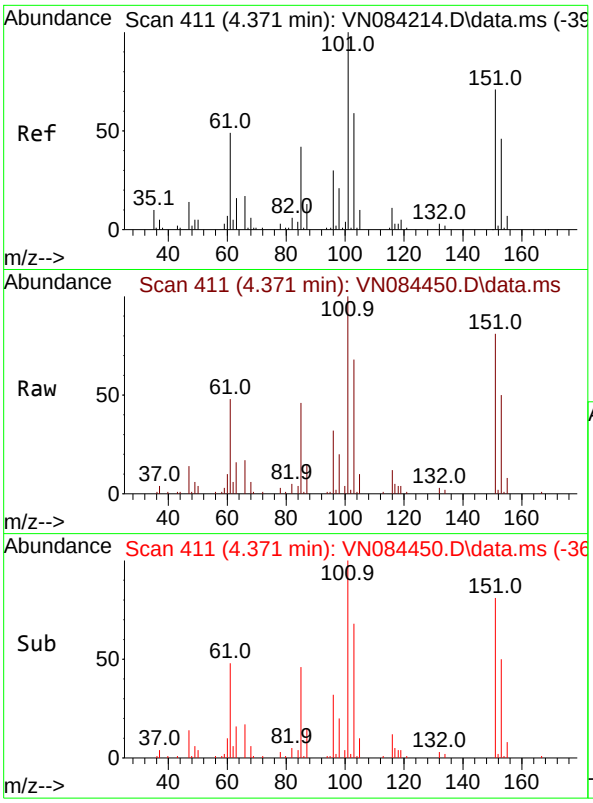


#8
Diethyl Ether
Concen: 48.999 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 74 Resp: 63668

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1



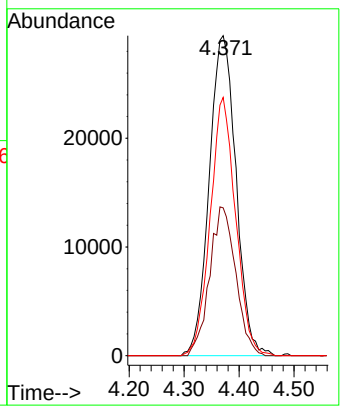


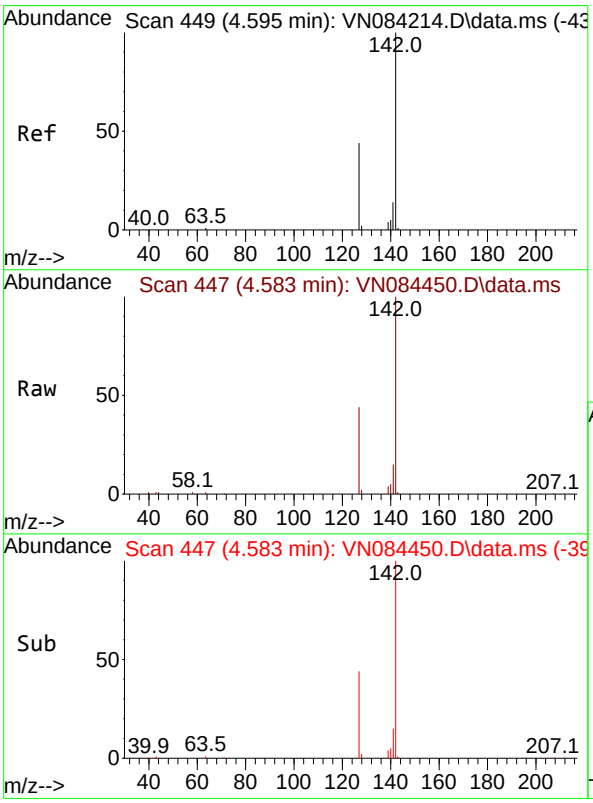
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.731 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 99832

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	76.4	59.3	88.9

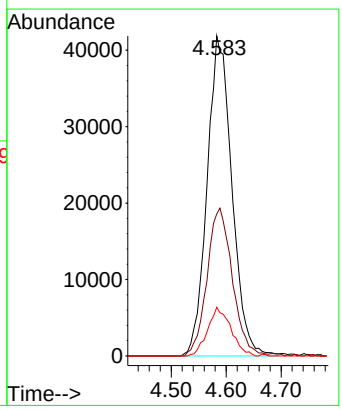


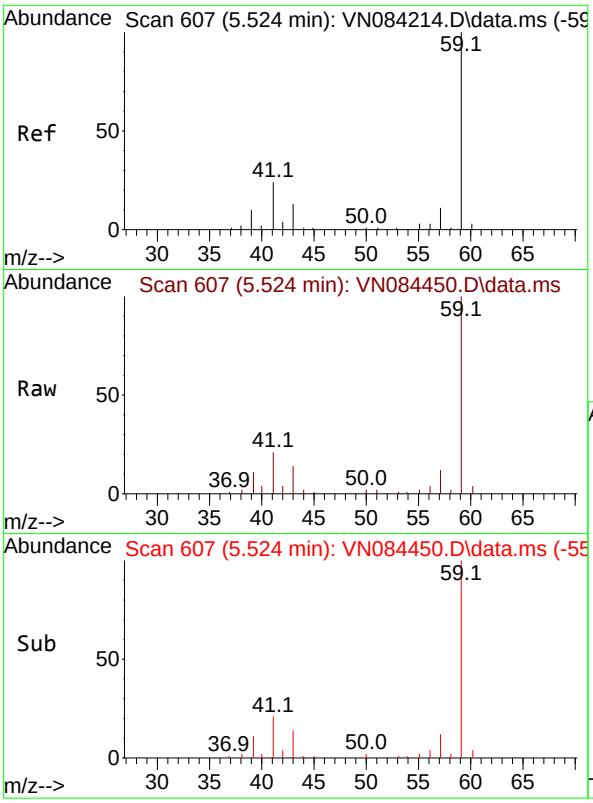


#10
Methyl Iodide
Concen: 50.766 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:142 Resp: 131239

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	15.2	11.0	16.6



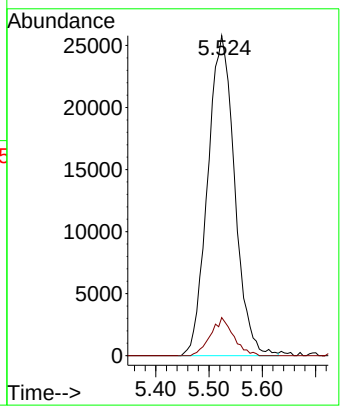


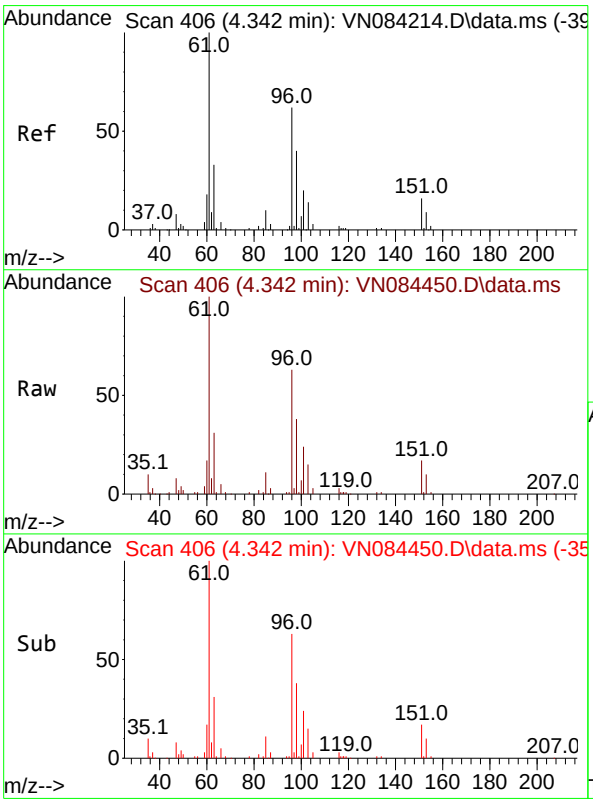
#11
Tert butyl alcohol
Concen: 215.618 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 90656

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

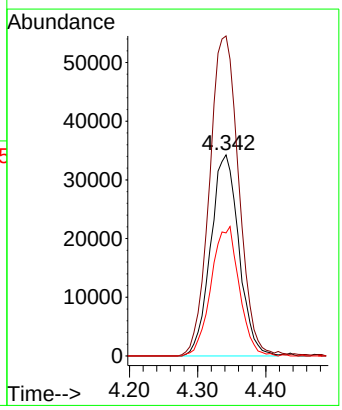


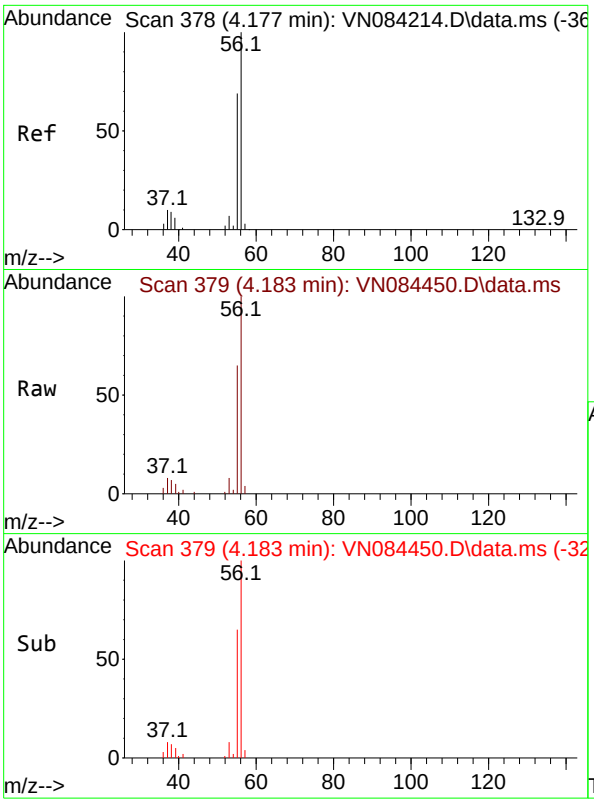


#12
1,1-Dichloroethene
Concen: 51.058 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 96 Resp: 98864

Ion	Ratio	Lower	Upper
96	100		
61	159.1	128.6	192.8
98	61.2	51.7	77.5



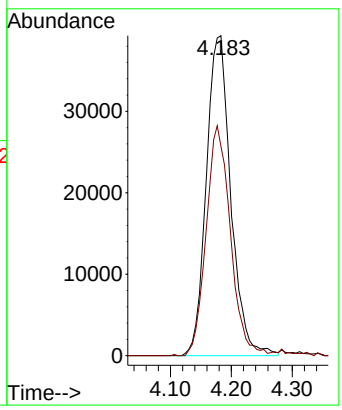


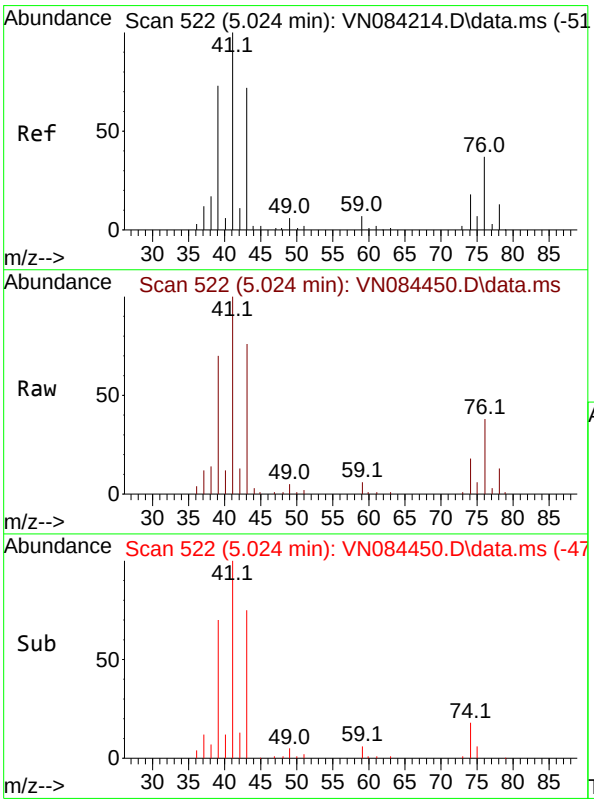
#13
Acrolein
Concen: 227.519 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 109819

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

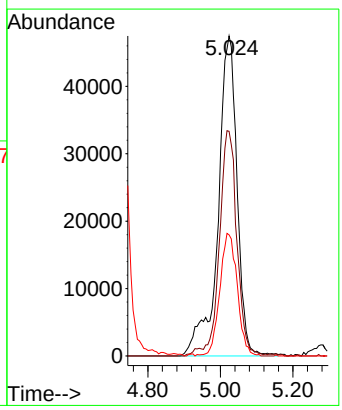


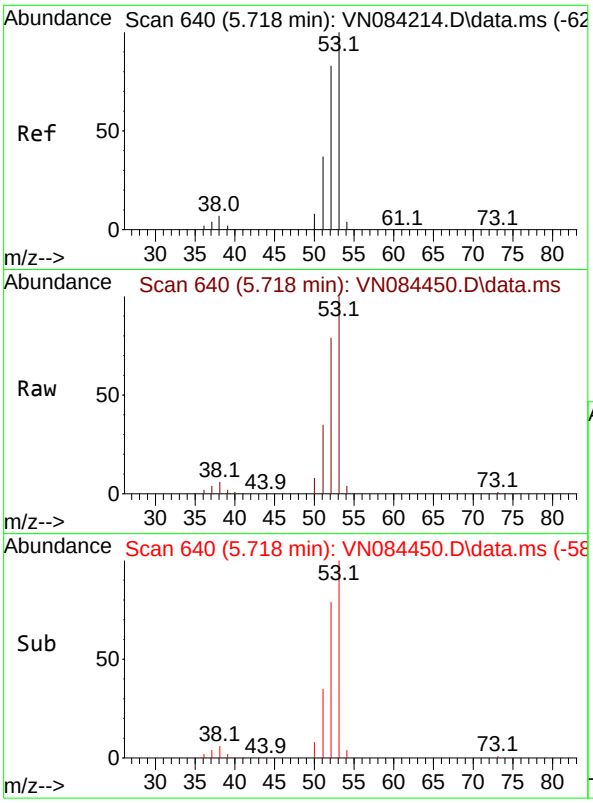


#14
Allyl chloride
Concen: 51.588 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 41 Resp: 173481

Ion	Ratio	Lower	Upper
41	100		
39	62.5	59.0	88.6
76	35.1	29.8	44.6



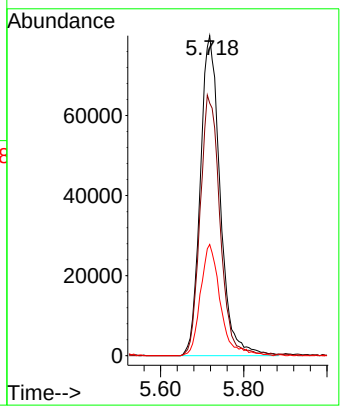


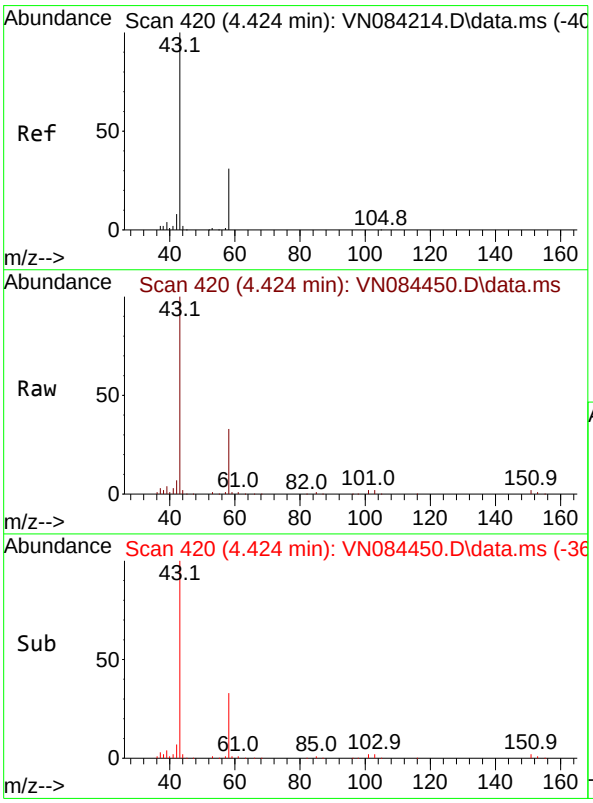
#15
Acrylonitrile
Concen: 249.703 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 265121

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.4
51	34.9	28.8	43.2

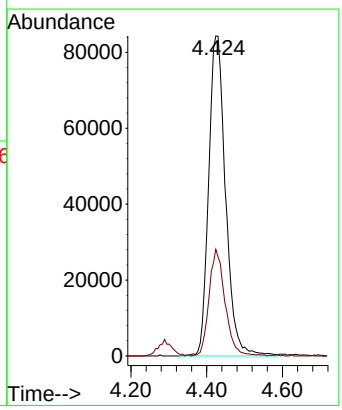


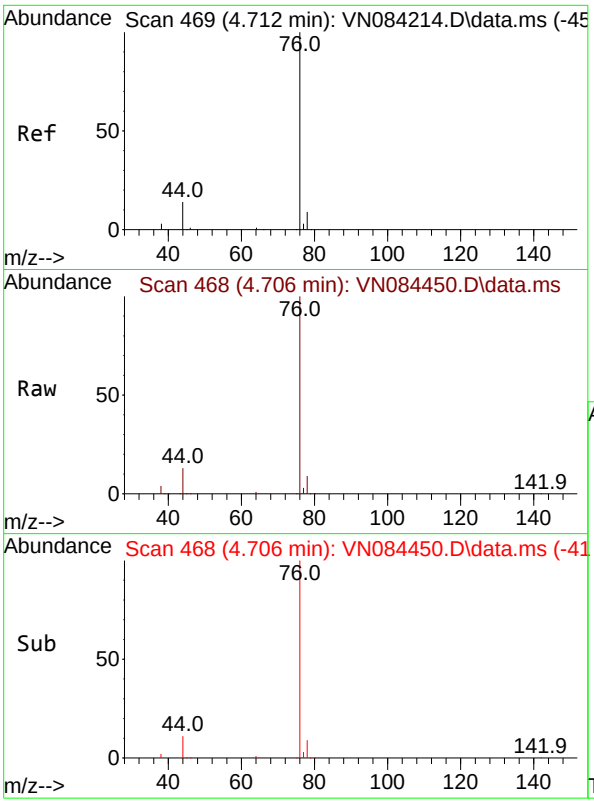


#16
Acetone
Concen: 238.375 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 261105

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.4	36.6



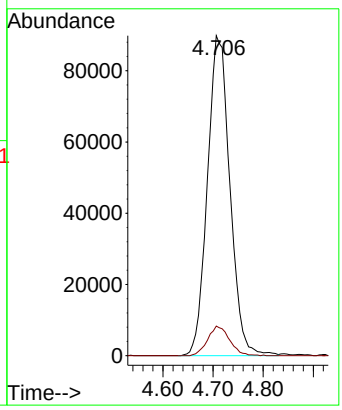


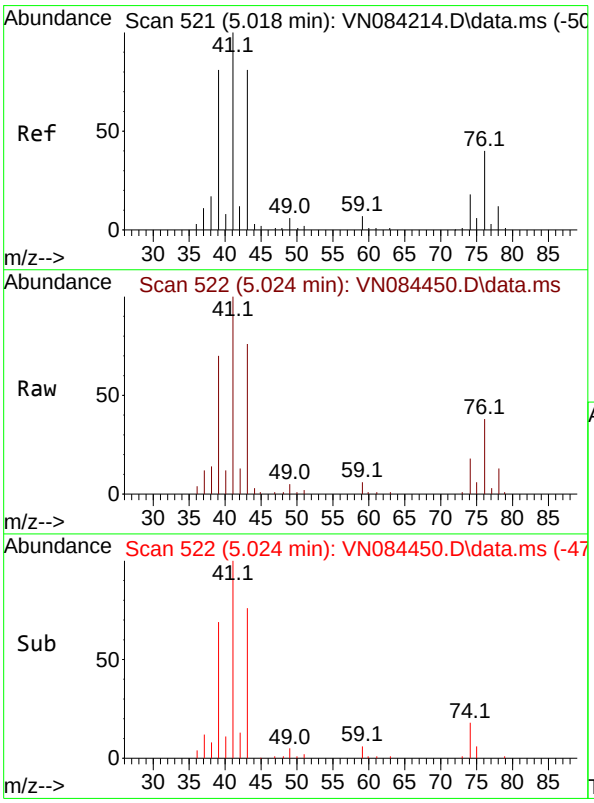
#17
Carbon Disulfide
Concen: 45.712 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 280239

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

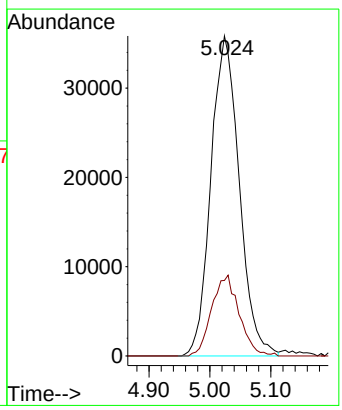


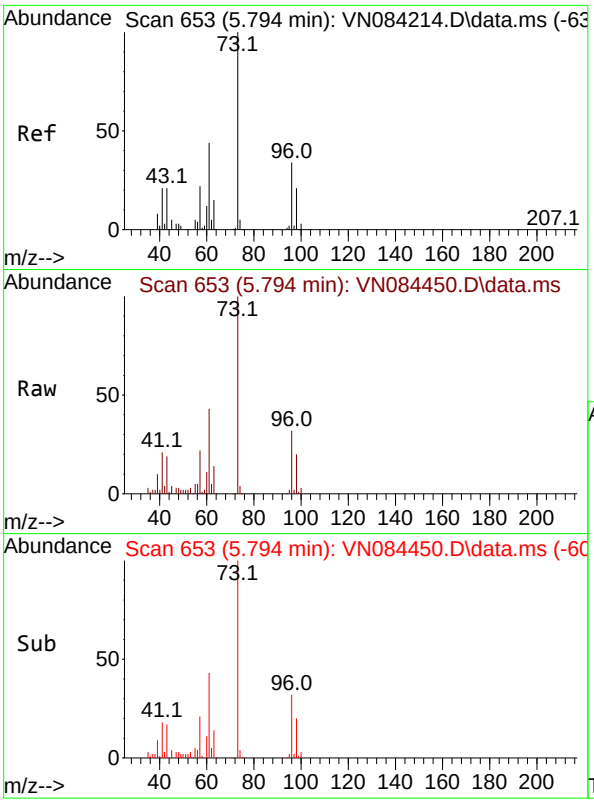


#18
Methyl Acetate
Concen: 48.574 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 115965

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8



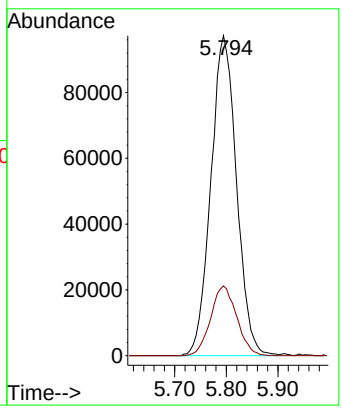


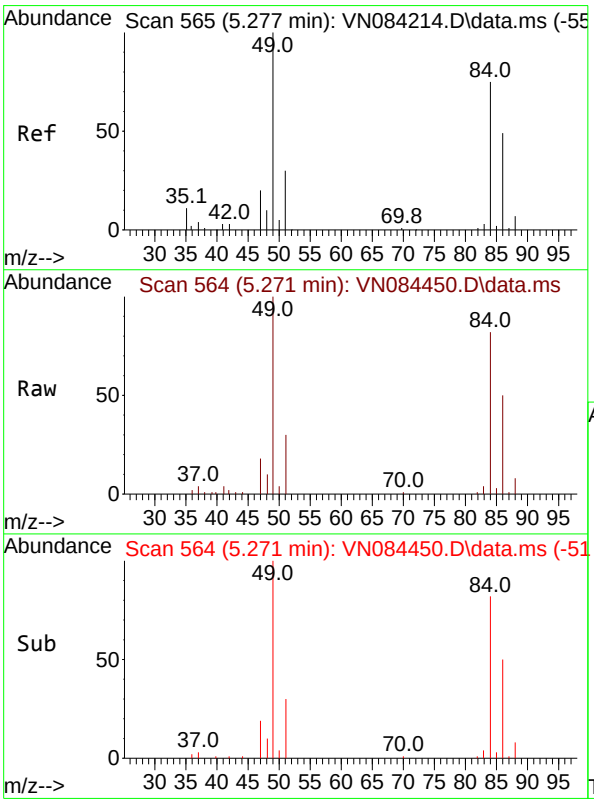
#19
Methyl tert-butyl Ether
Concen: 51.320 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 335397

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

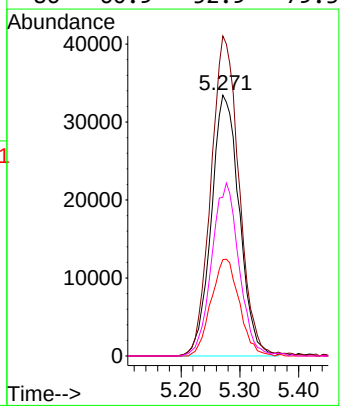


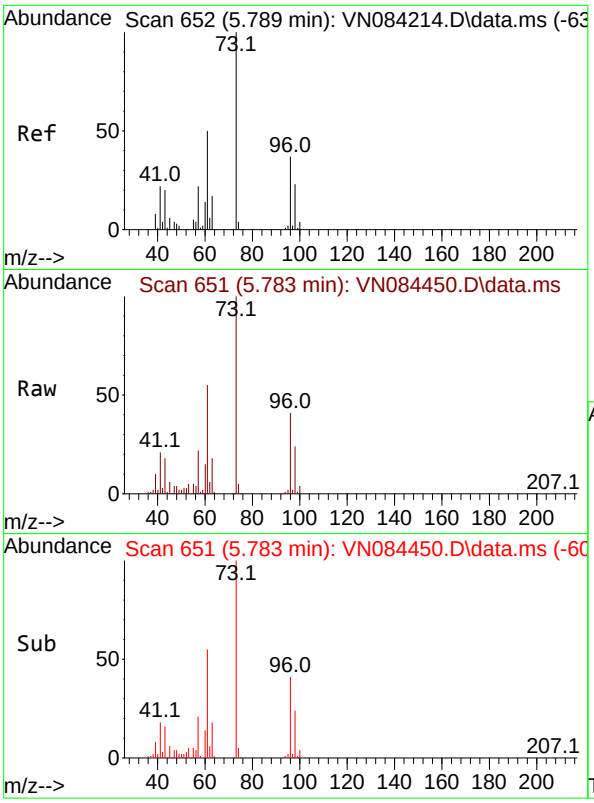


#20
Methylene Chloride
Concen: 49.790 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 84 Resp: 110864

Ion	Ratio	Lower	Upper
84	100		
49	122.7	107.2	160.8
51	36.9	31.8	47.8
86	60.9	52.9	79.3



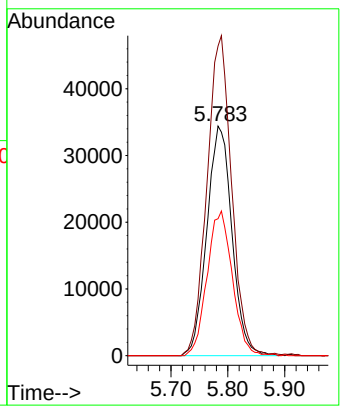


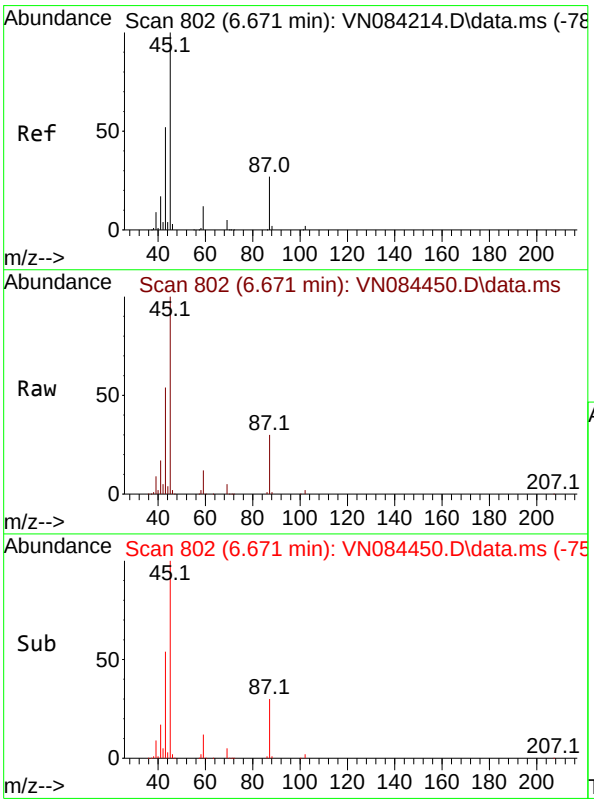
#21
trans-1,2-Dichloroethene
Concen: 52.129 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 105749

Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	59.7	49.8	74.8

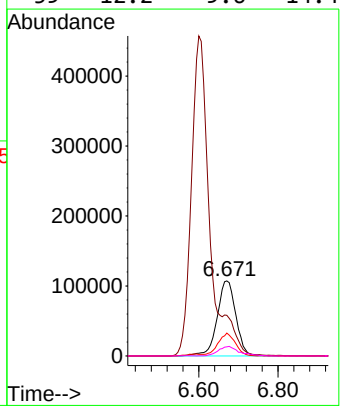


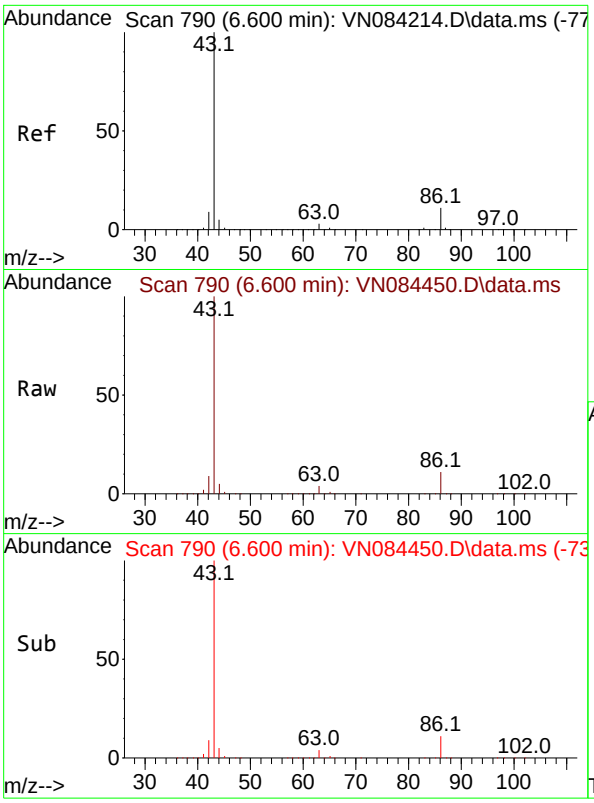


#22
Diisopropyl ether
Concen: 50.493 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 45 Resp: 351223

Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.3	63.5
87	30.4	21.8	32.6
59	12.2	9.6	14.4



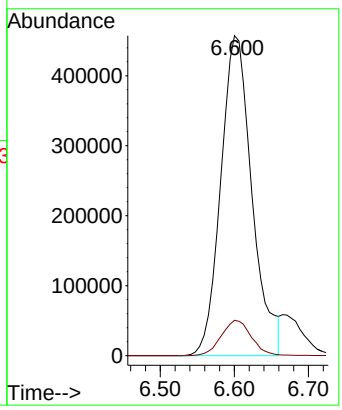


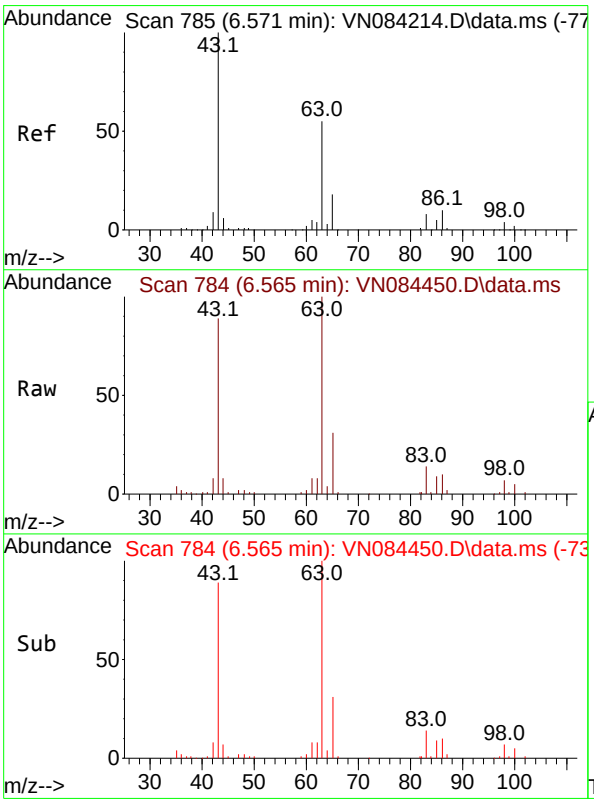
#23
Vinyl Acetate
Concen: 259.866 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1340680

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

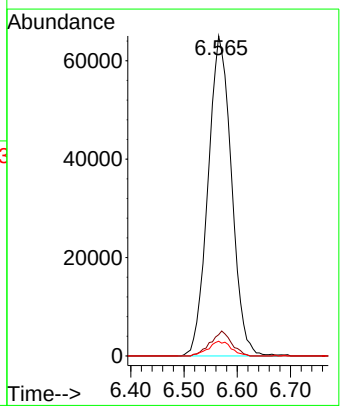


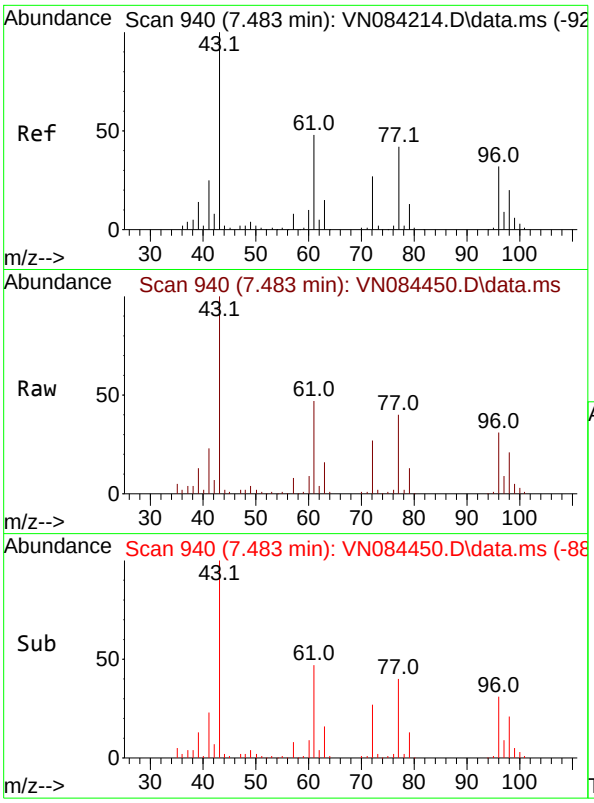


#24
1,1-Dichloroethane
Concen: 51.151 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 63 Resp: 198970

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.0	5.8



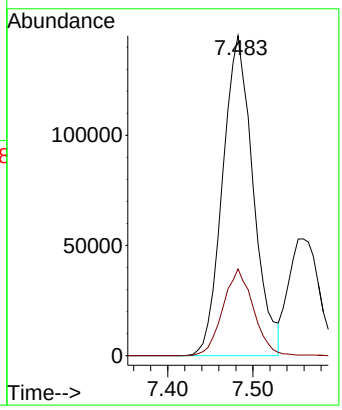


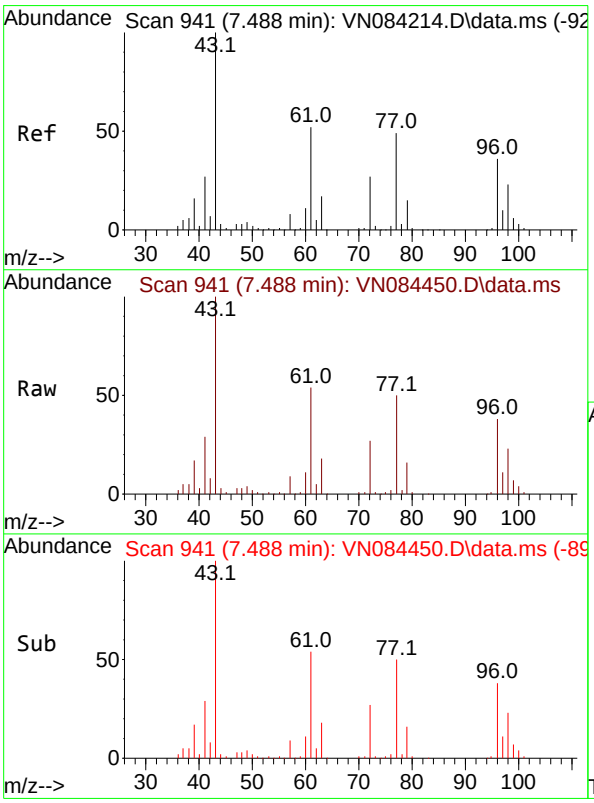
#25
2-Butanone
Concen: 243.024 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 362565

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2

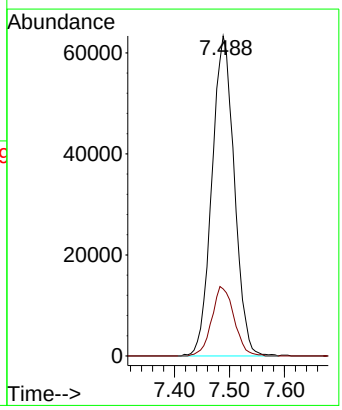


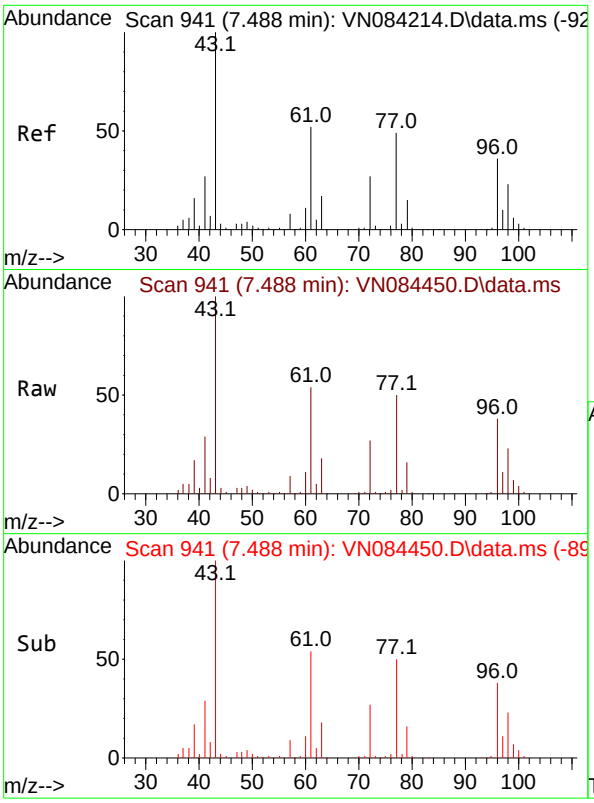


#26
2,2-Dichloropropane
Concen: 51.135 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 77 Resp: 179346

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.8	32.3



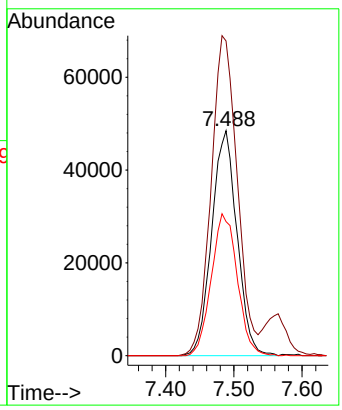


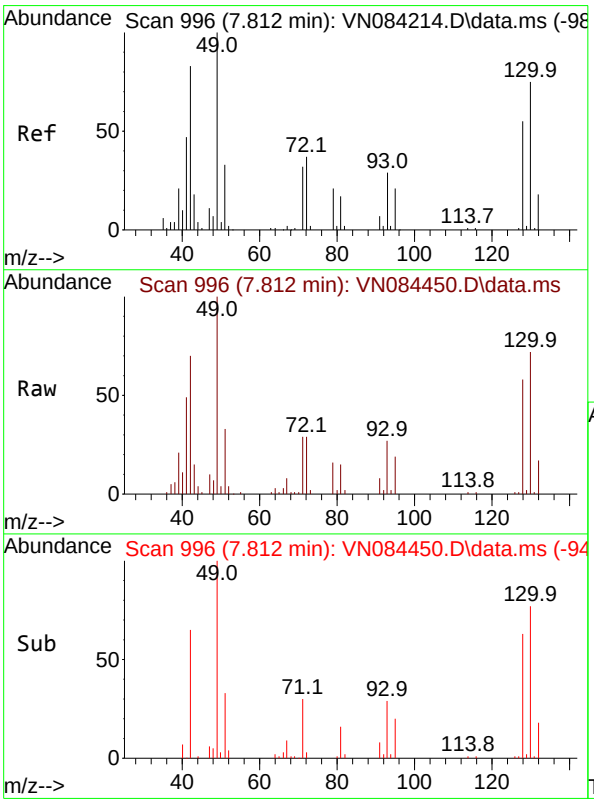
#27
cis-1,2-Dichloroethene
Concen: 51.122 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 125320

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	301.8
98	64.9	0.0	128.2

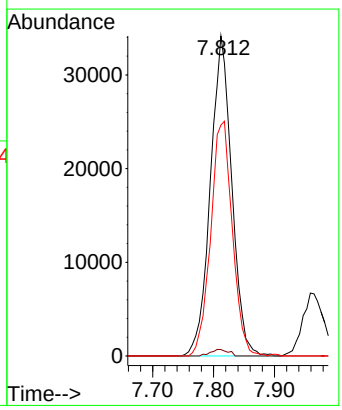


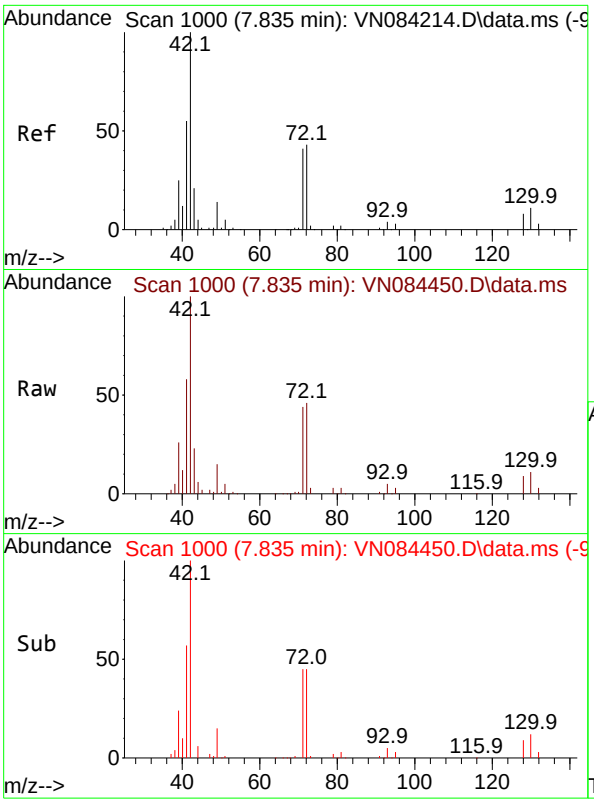


#28
Bromochloromethane
Concen: 48.121 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 49 Resp: 83517

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	74.1	58.0	87.0



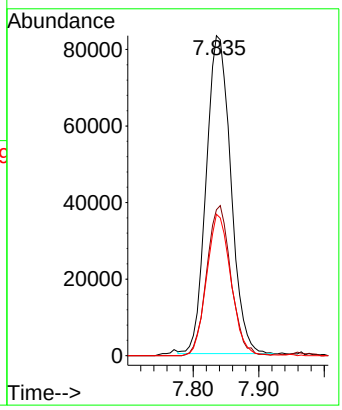


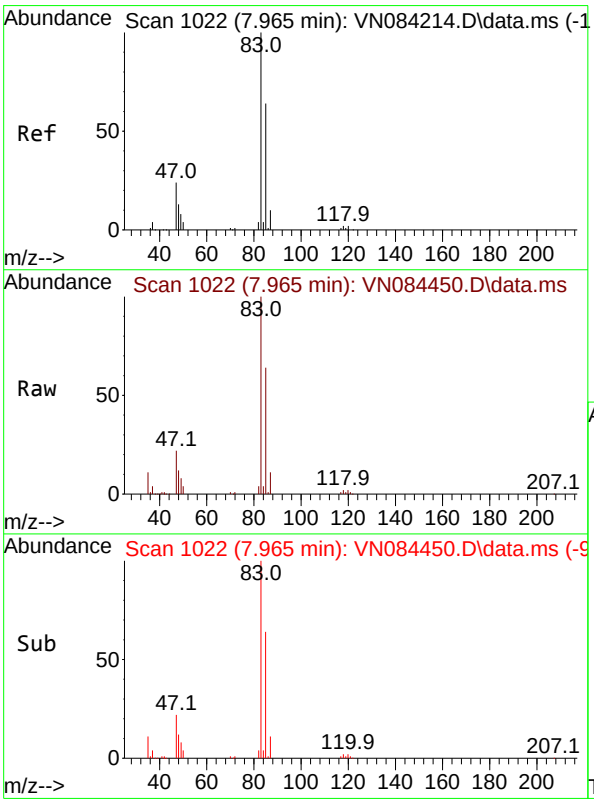
#29
Tetrahydrofuran
Concen: 234.864 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 216232

Ion	Ratio	Lower	Upper
42	100		
72	46.4	34.6	51.8
71	44.0	32.2	48.4

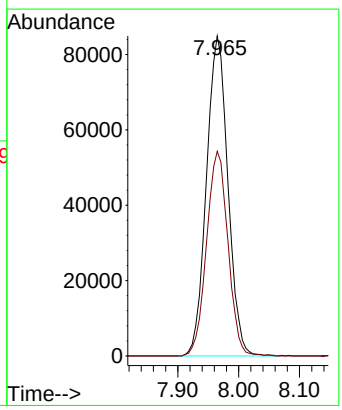


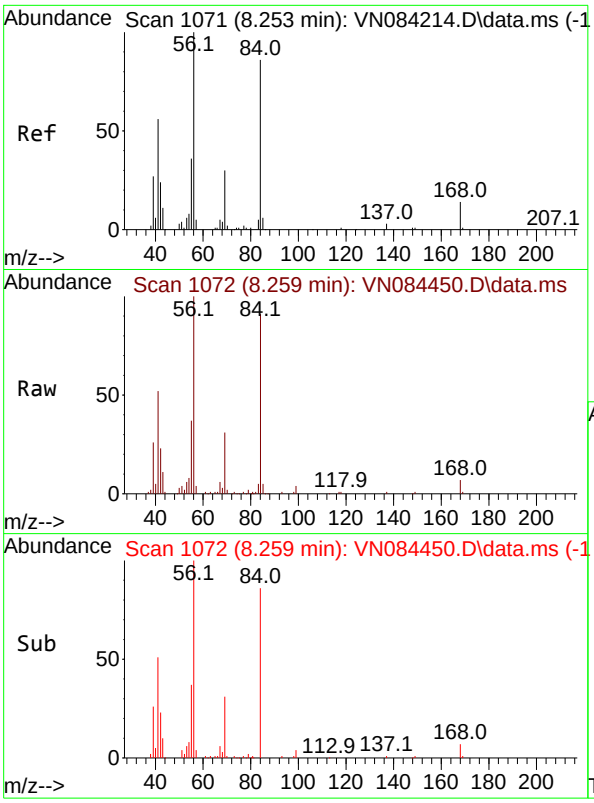


#30
Chloroform
Concen: 51.493 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 83 Resp: 208060

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.4



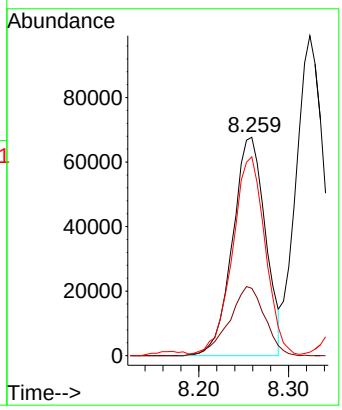


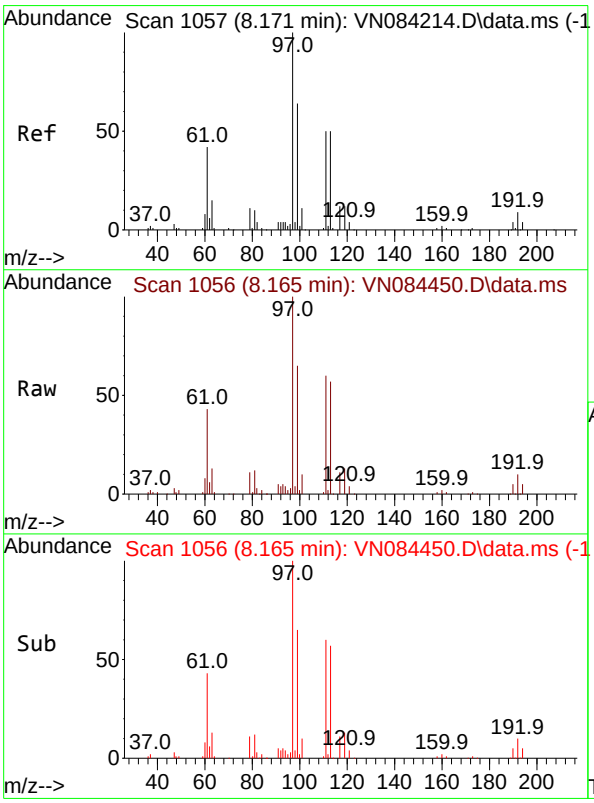
#31
Cyclohexane
Concen: 45.545 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 172015

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	89.6	68.8	103.2

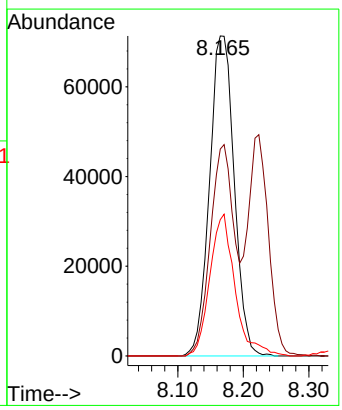


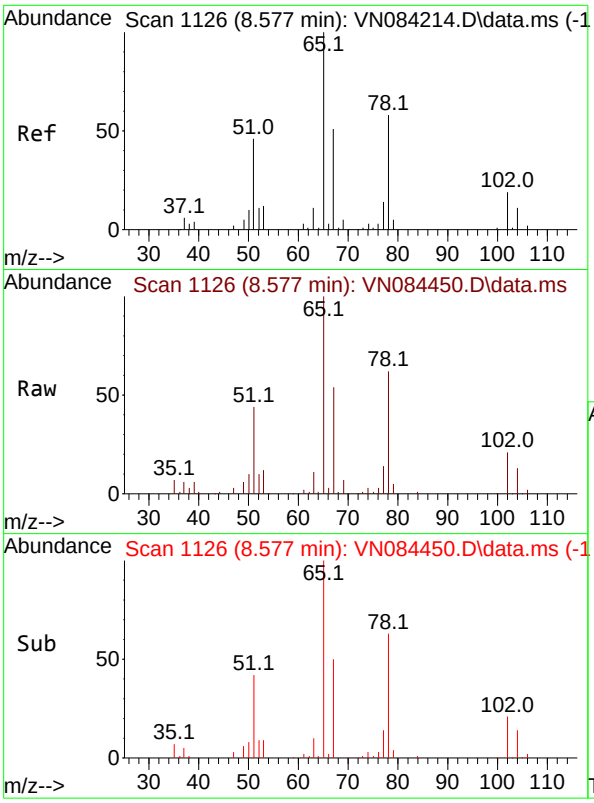


#32
1,1,1-Trichloroethane
Concen: 51.361 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 97 Resp: 186384

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	45.2	37.5	56.3



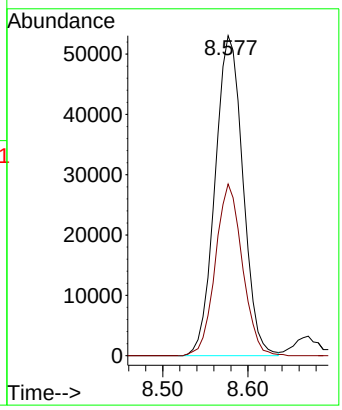


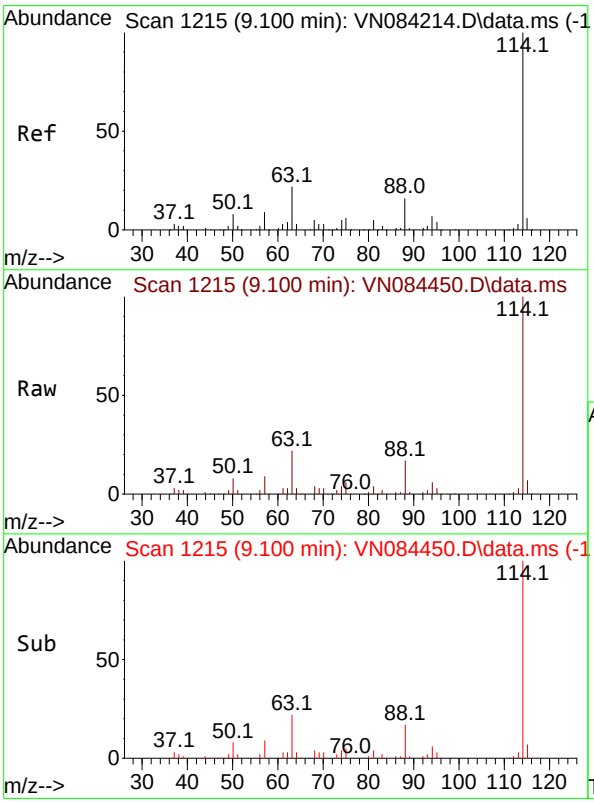
#33
1,2-Dichloroethane-d4
Concen: 47.289 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 120579

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

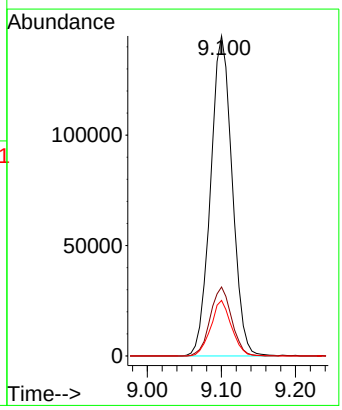


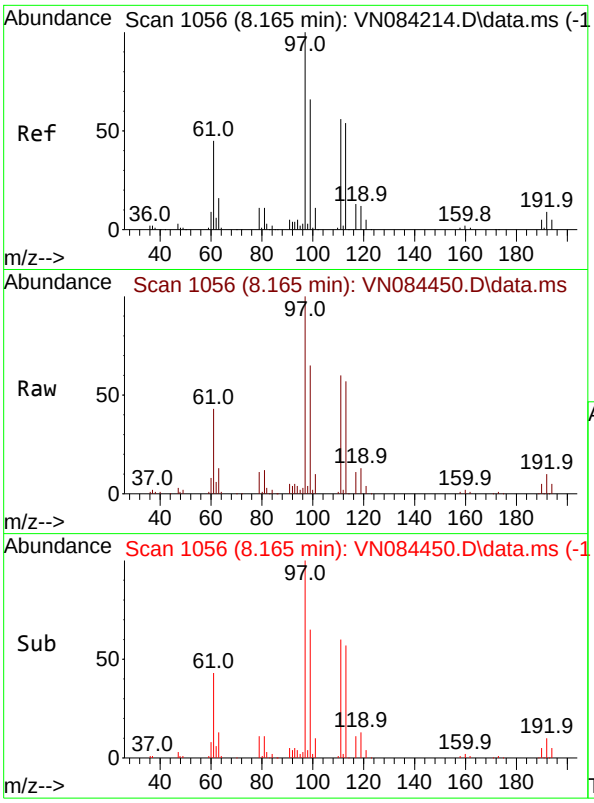


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:114 Resp: 293014

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.3	0.0	31.6



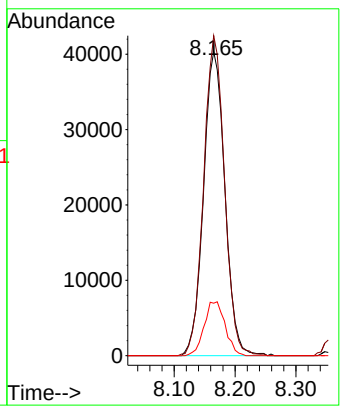


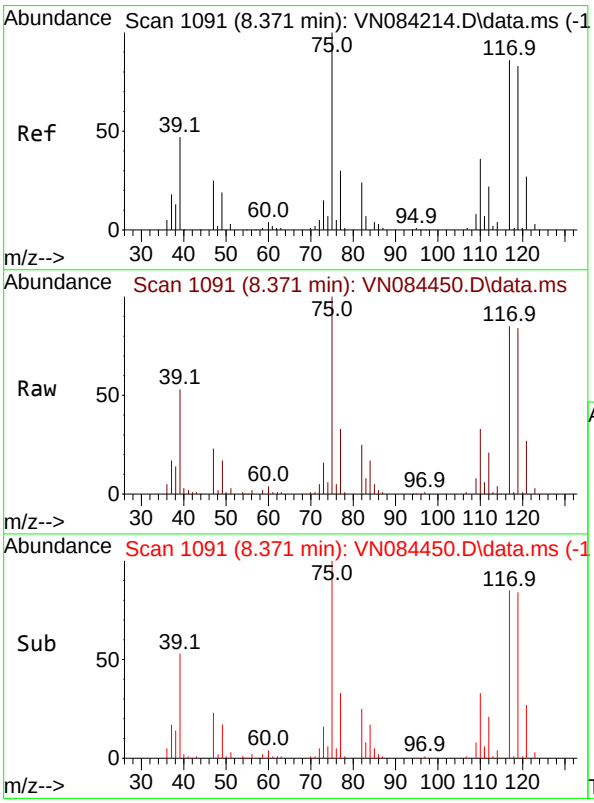
#35
Dibromofluoromethane
Concen: 50.860 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98248

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	17.5	13.5	20.3

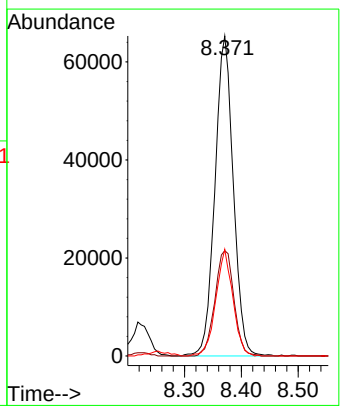


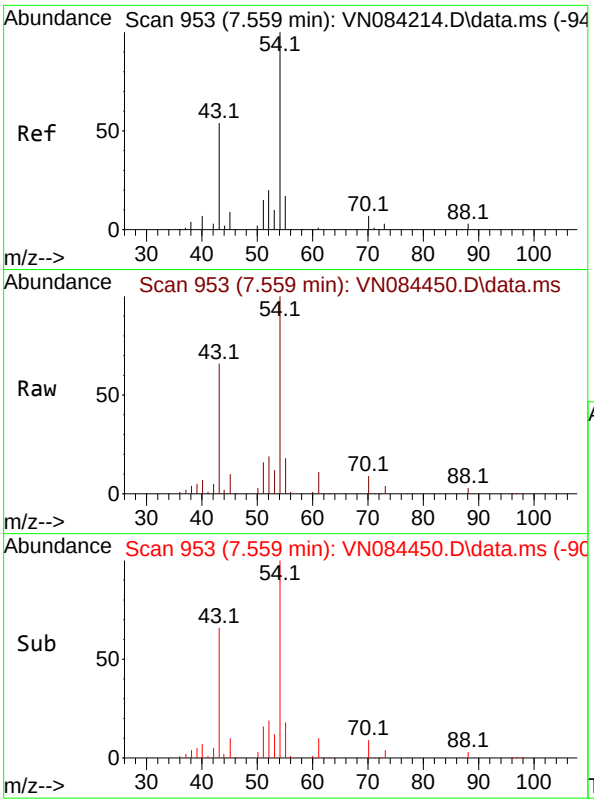


#36
1,1-Dichloropropene
Concen: 52.238 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 146576

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	31.1	24.7	37.1



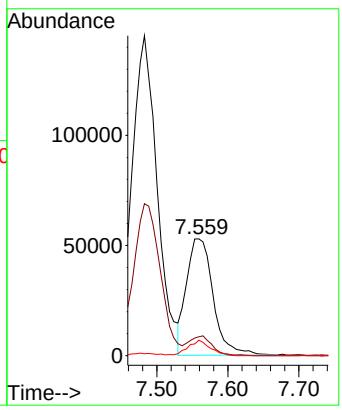


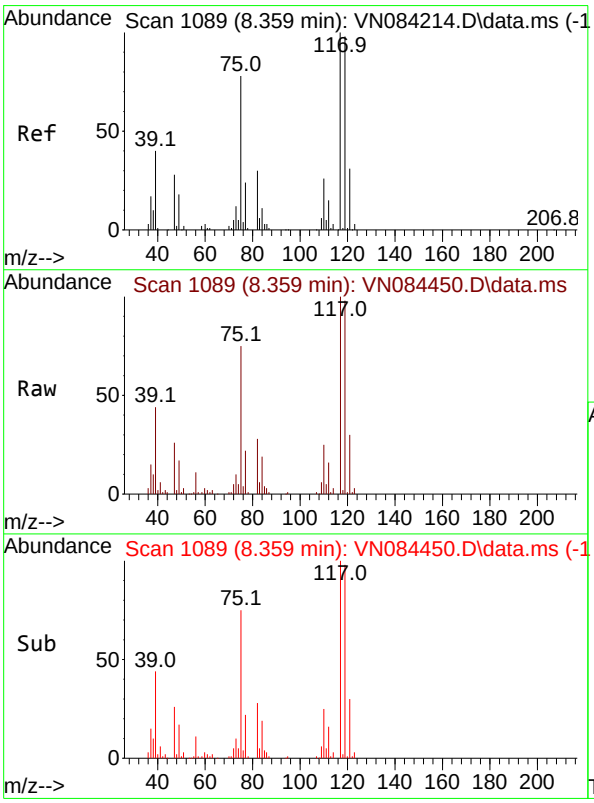
#37
Ethyl Acetate
Concen: 47.758 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 137478

Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.9	8.8	13.2

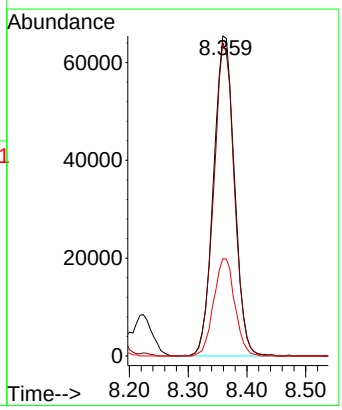


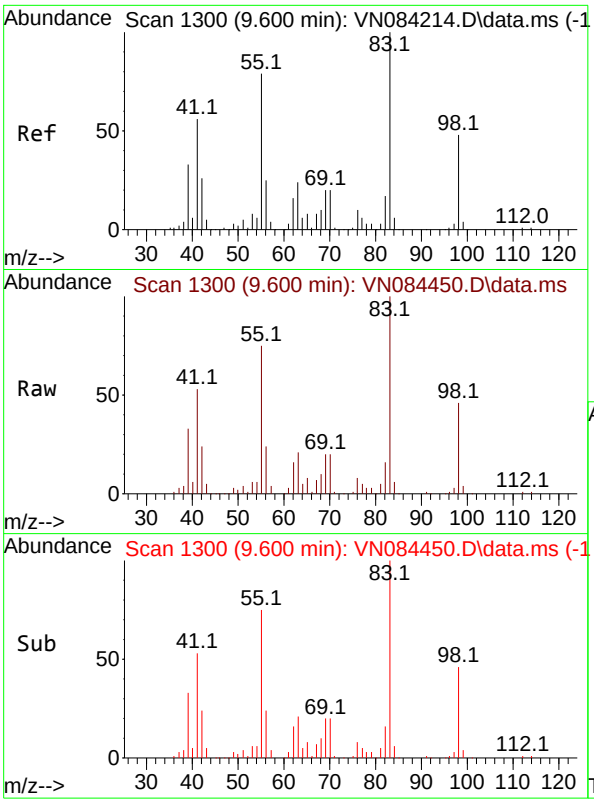


#38
Carbon Tetrachloride
Concen: 52.474 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:117 Resp: 161513

Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.7	118.1
121	30.4	24.4	36.6



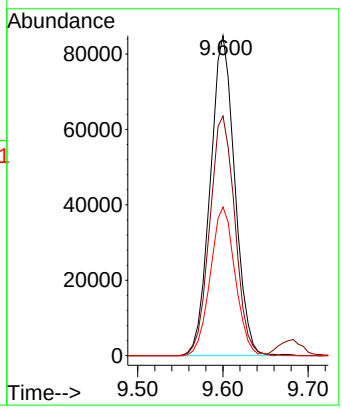


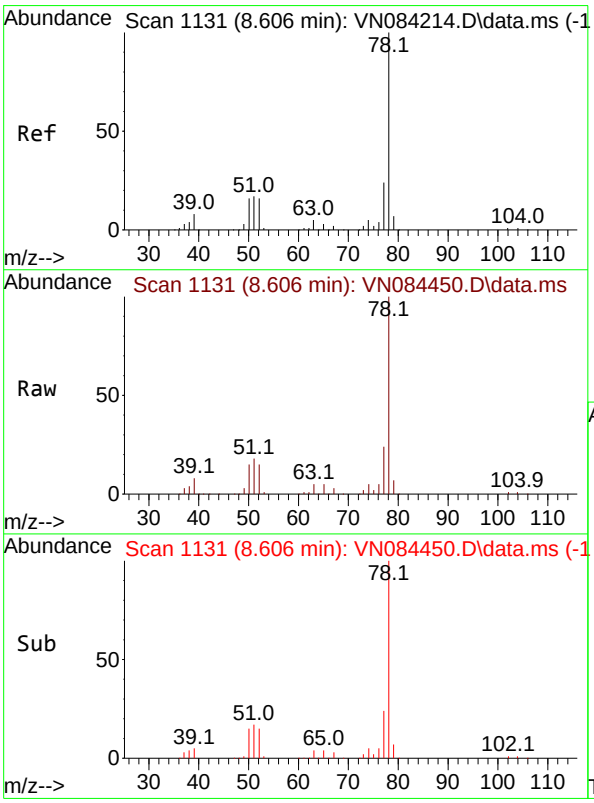
#39
Methylcyclohexane
Concen: 54.374 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 169802

Ion	Ratio	Lower	Upper
83	100		
55	74.9	62.8	94.2
98	46.4	38.8	58.2

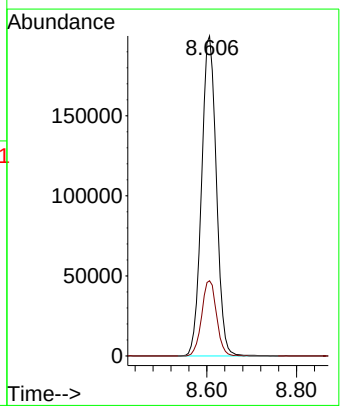


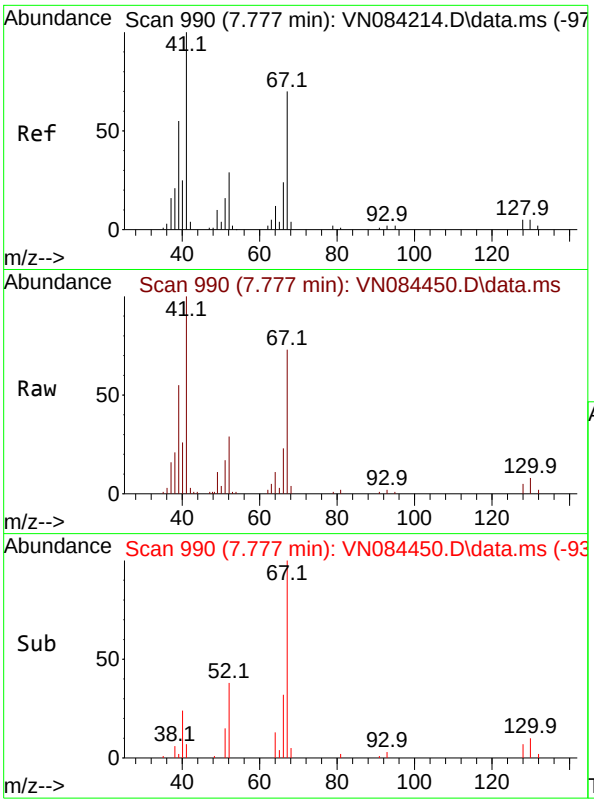


#40
Benzene
Concen: 52.231 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 78 Resp: 456615

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



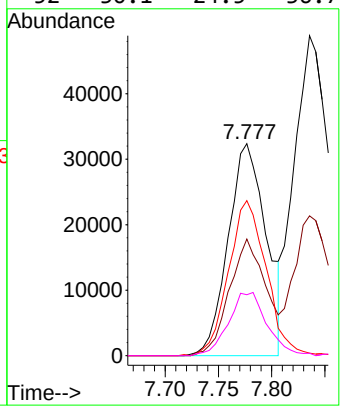


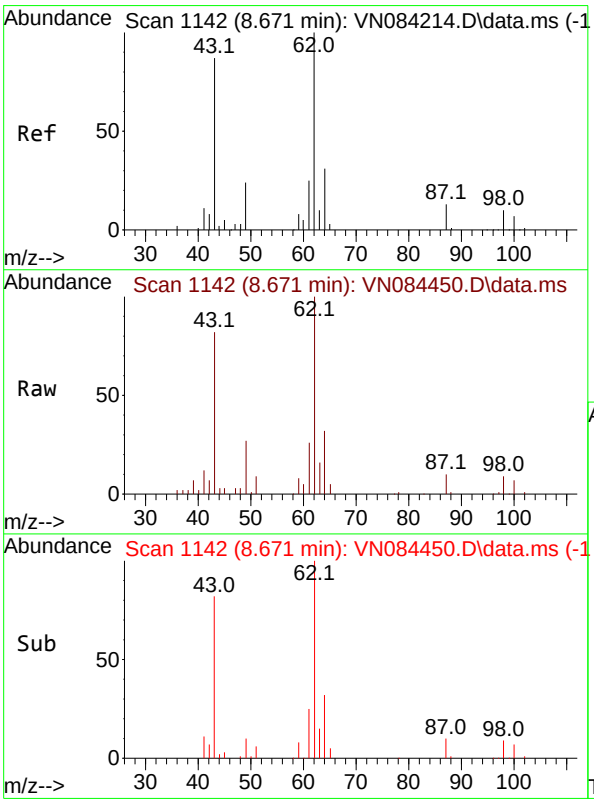
#41
Methacrylonitrile
Concen: 51.594 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 80630

Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.3	64.9
67	72.4	56.1	84.1
52	30.1	24.5	36.7

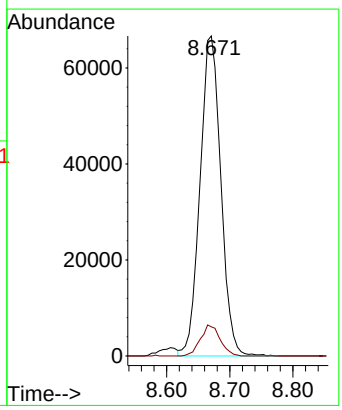


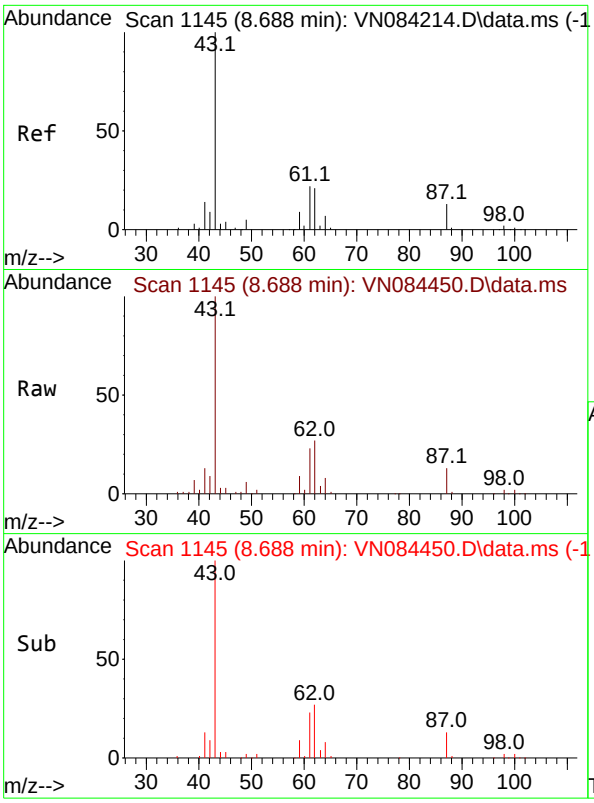


#42
1,2-Dichloroethane
Concen: 51.507 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 62 Resp: 152654

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



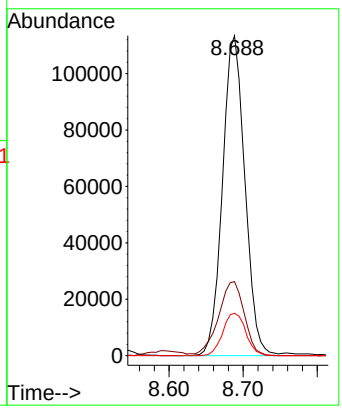


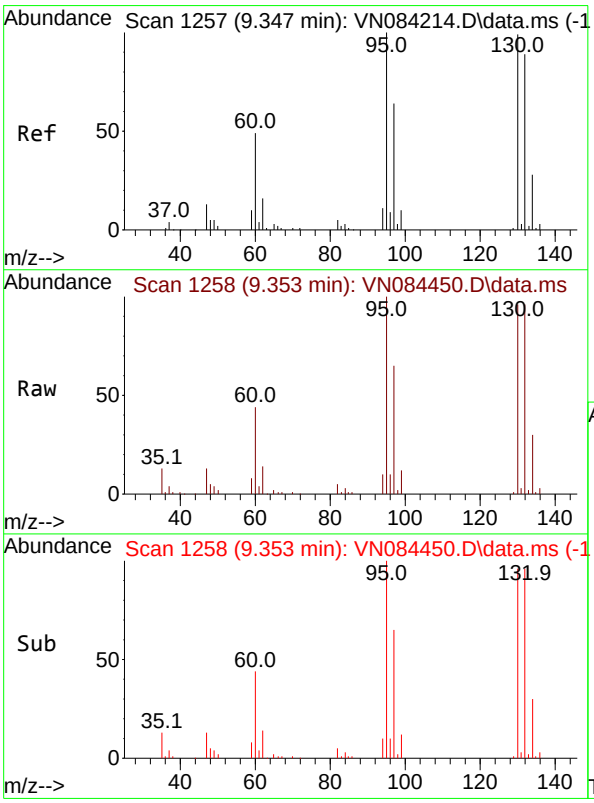
#43
Isopropyl Acetate
Concen: 42.196 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 237917

Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.4	30.6
87	13.7	10.3	15.5

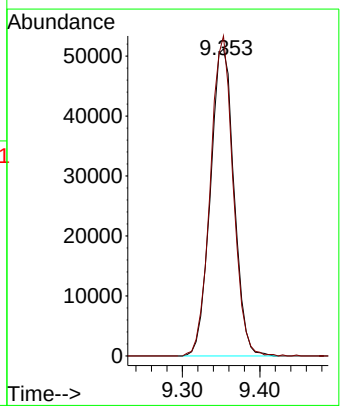


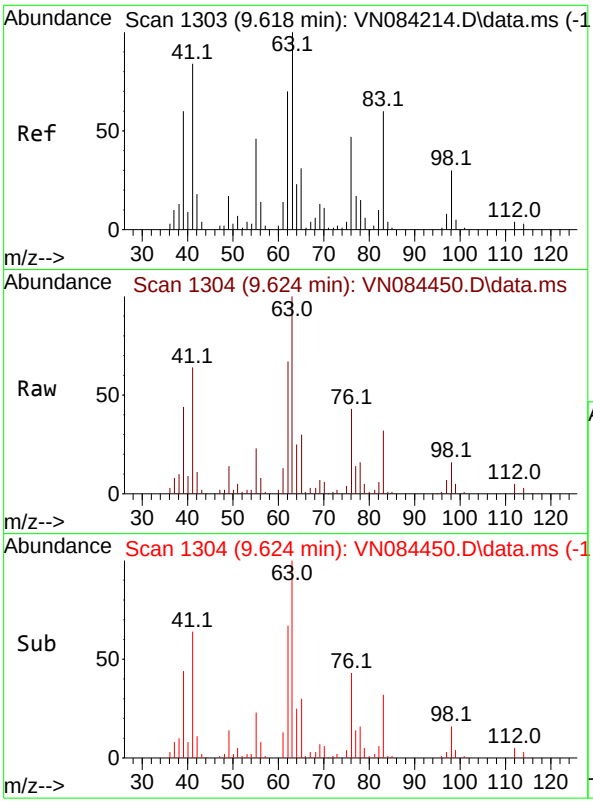


#44
Trichloroethene
Concen: 52.965 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:130 Resp: 108146

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	203.0



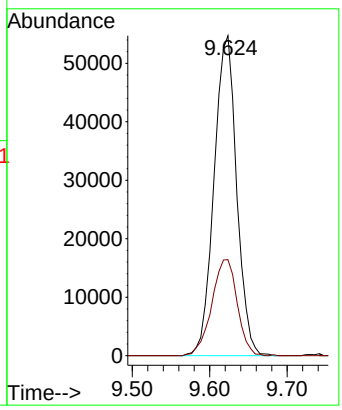


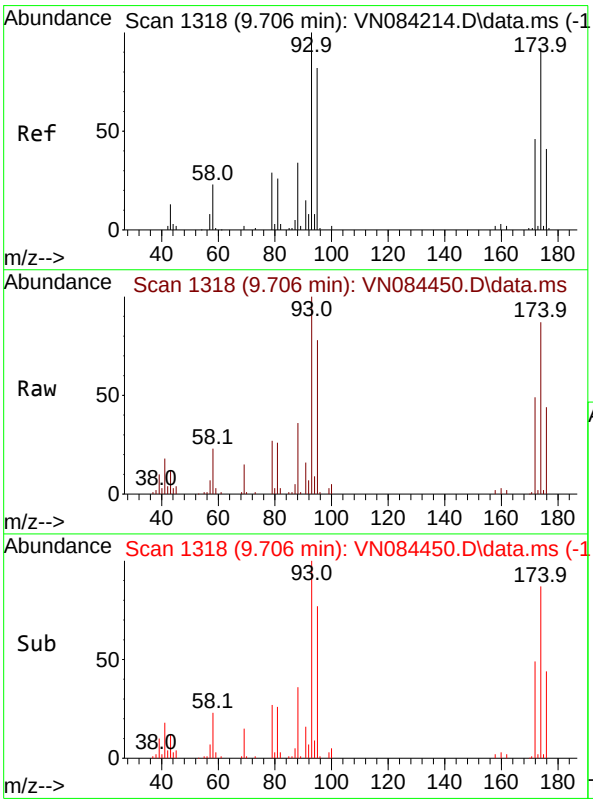
#45
1,2-Dichloropropane
Concen: 53.771 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 111202

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.6	37.0

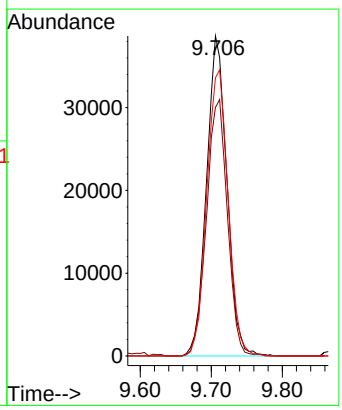


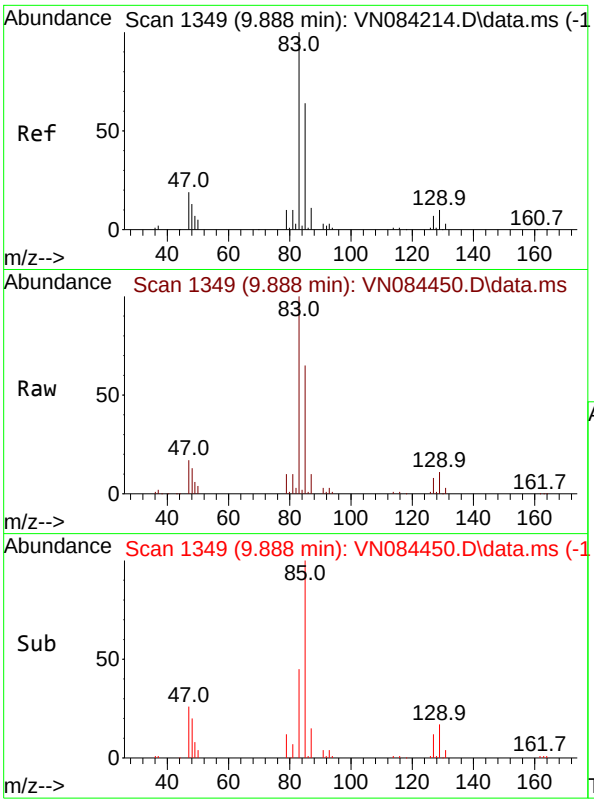


#46
Dibromomethane
Concen: 55.158 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 93 Resp: 76980

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	93.6	71.8	107.8



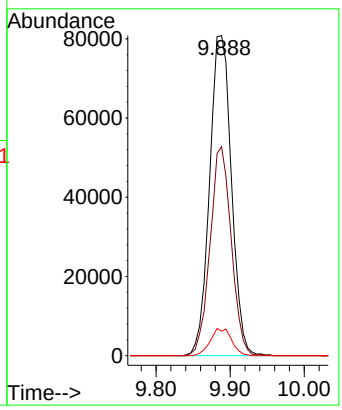


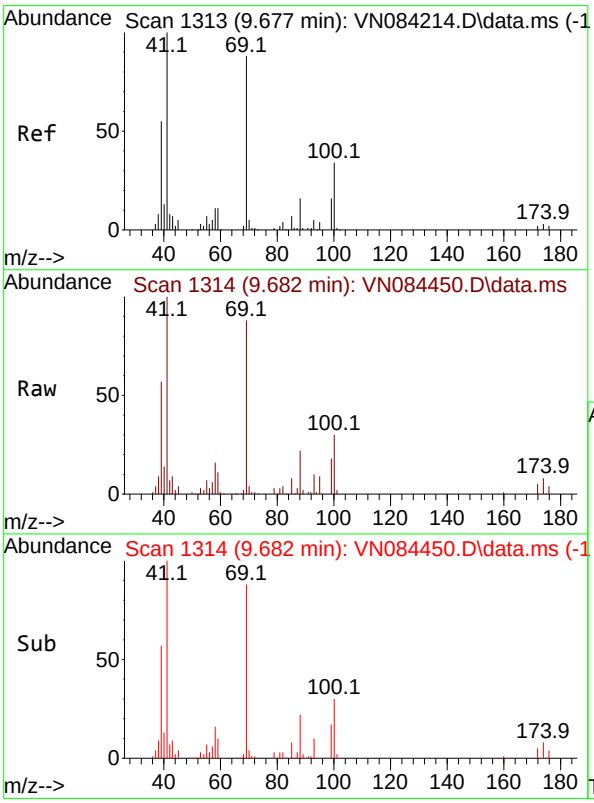
#47
Bromodichloromethane
Concen: 53.365 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 165466

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	7.6	5.7	8.5

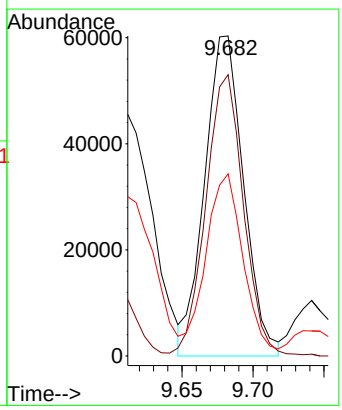


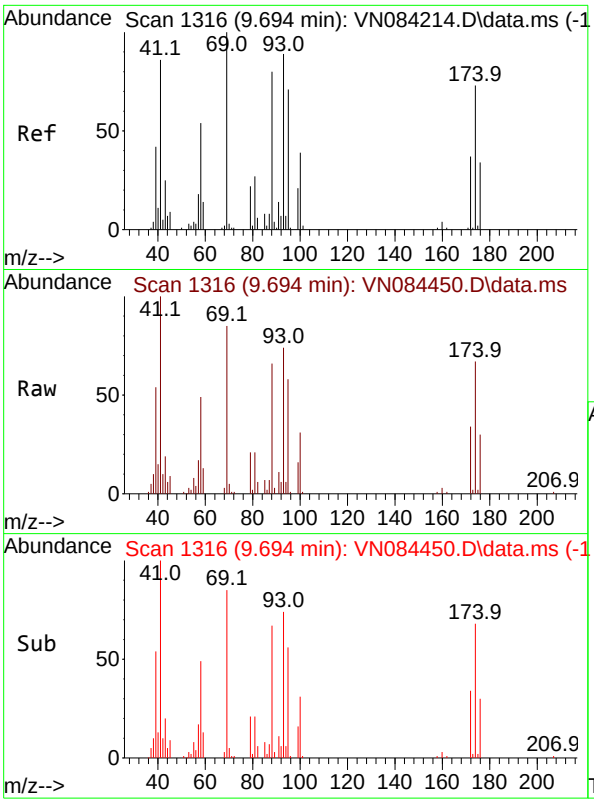


#48
Methyl methacrylate
Concen: 51.341 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 41 Resp: 115233

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.1	100.7
39	55.1	45.8	68.6



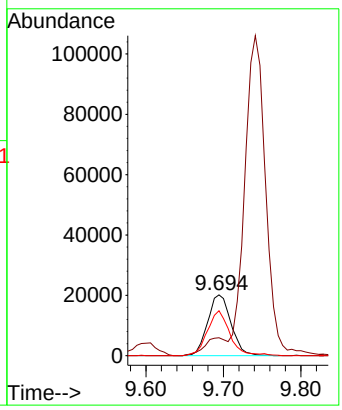


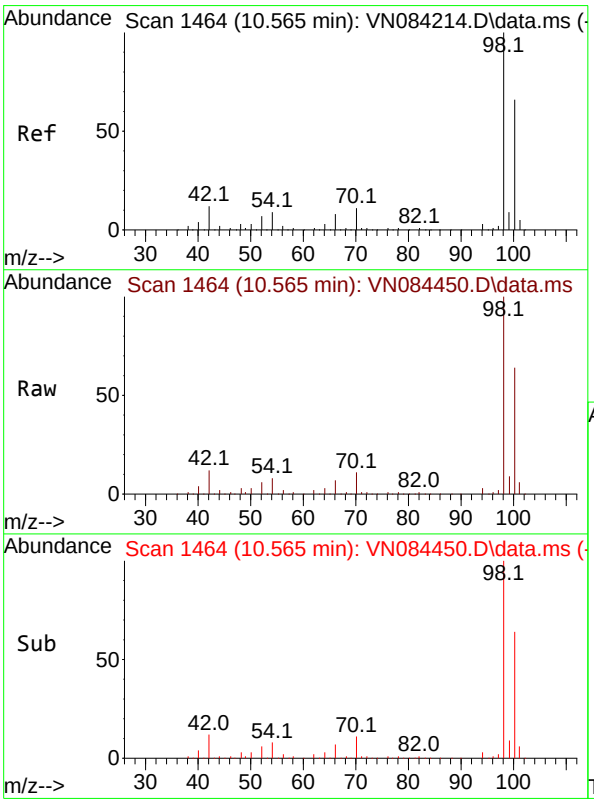
#49
1,4-Dioxane
Concen: 1021.535 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 42211

Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	71.3	56.4	84.6

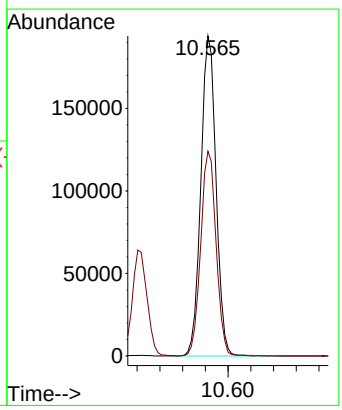


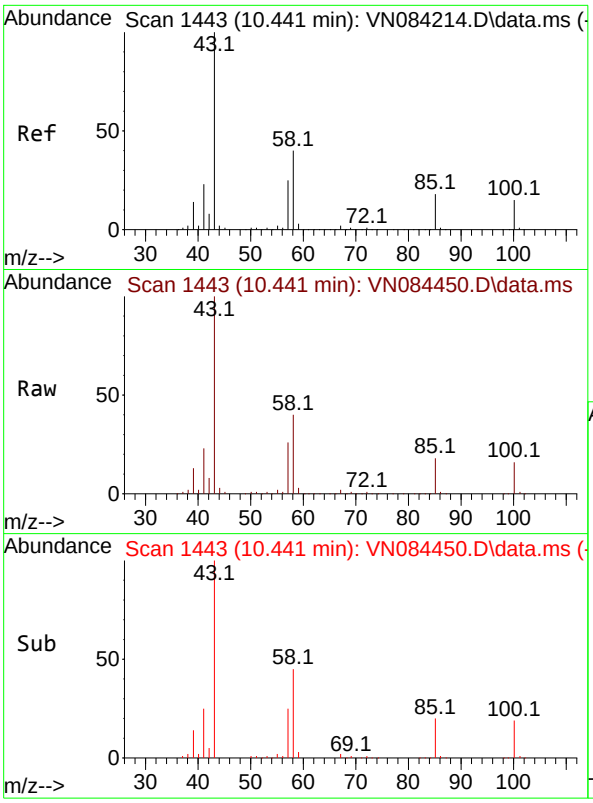


#50
Toluene-d8
Concen: 50.468 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 98 Resp: 358680

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1



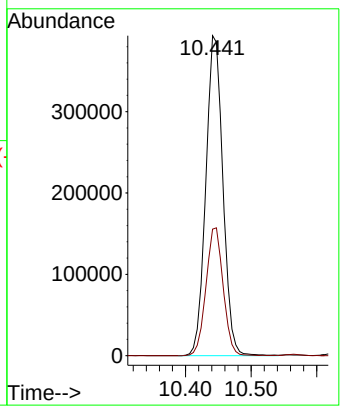


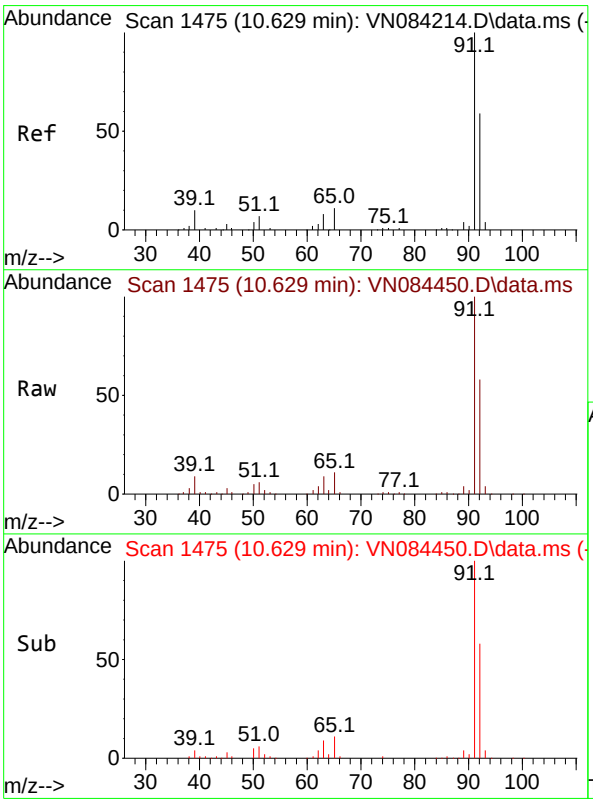
#51
4-Methyl-2-Pentanone
Concen: 260.776 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 714612

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

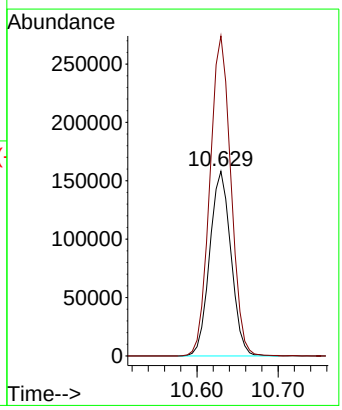


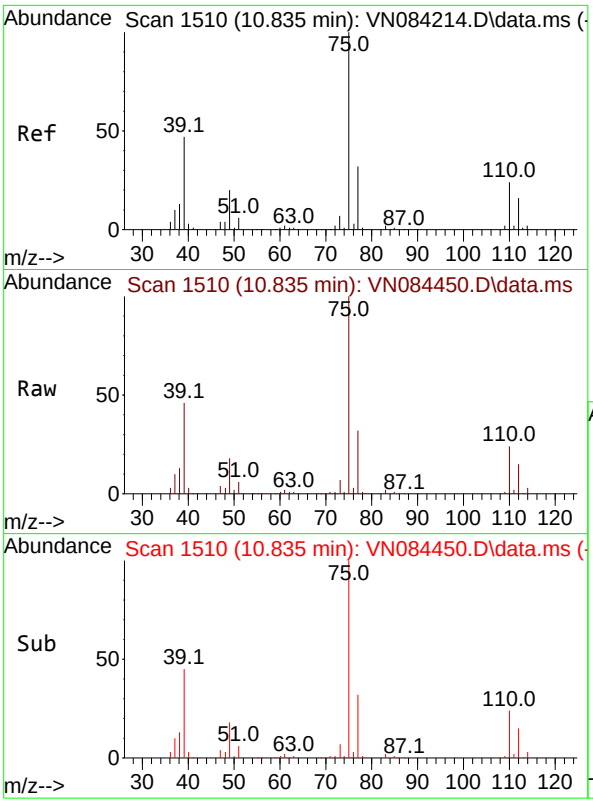


#52
Toluene
Concen: 53.965 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 92 Resp: 287688

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9



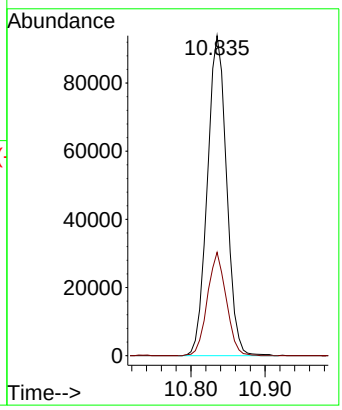


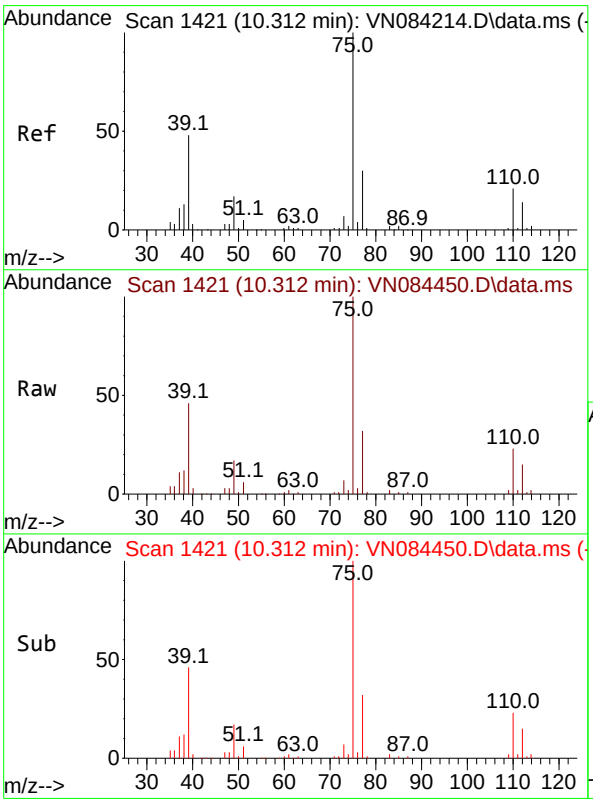
#53
t-1,3-Dichloropropene
Concen: 53.570 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 169316

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

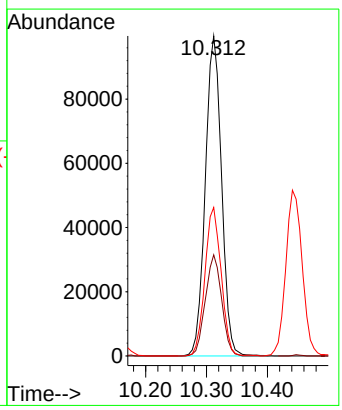


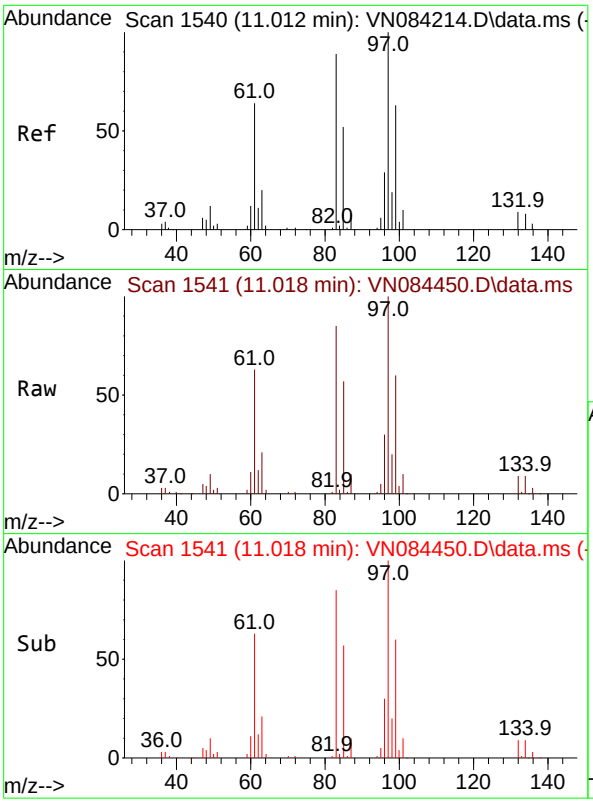


#54
cis-1,3-Dichloropropene
Concen: 54.216 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 184315

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	46.4	38.7	58.1



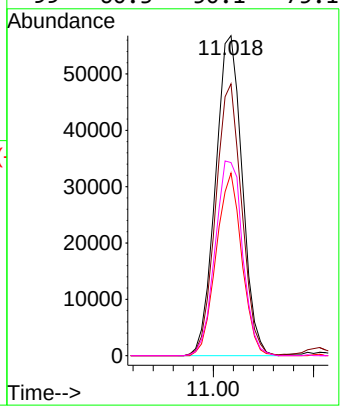


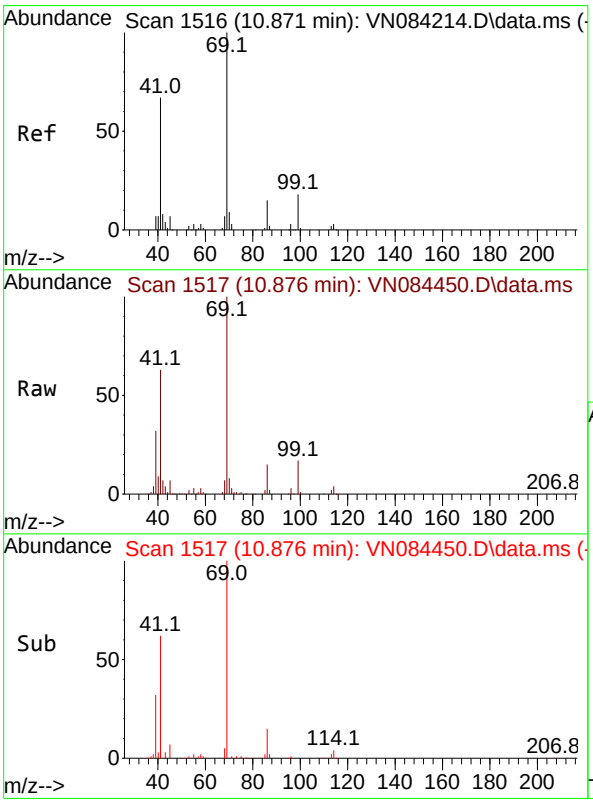
#55
1,1,2-Trichloroethane
Concen: 54.918 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 104956

Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	57.0	41.7	62.5
99	60.3	50.1	75.1

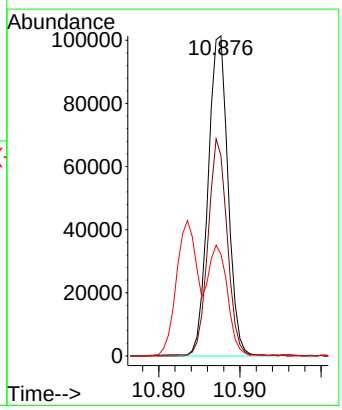


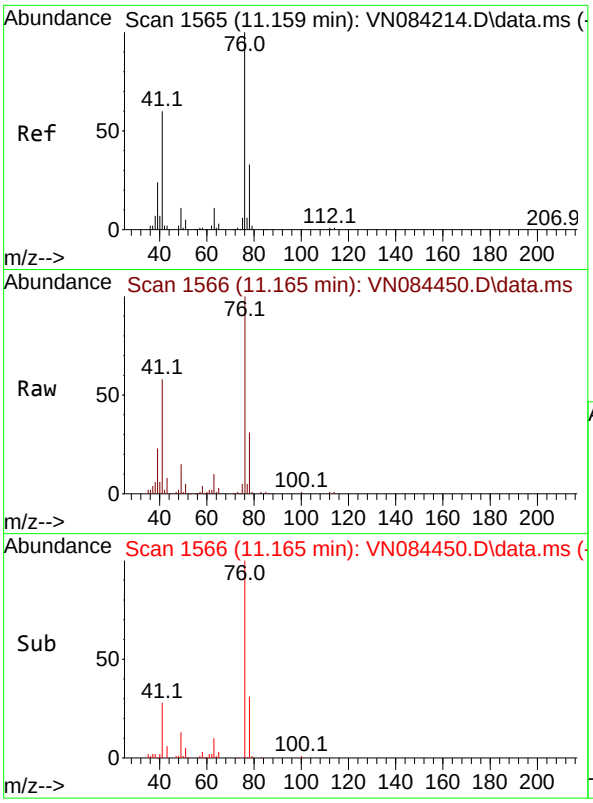


#56
Ethyl methacrylate
Concen: 54.855 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 69 Resp: 172502

Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.3	79.9
39	34.1	28.8	43.2



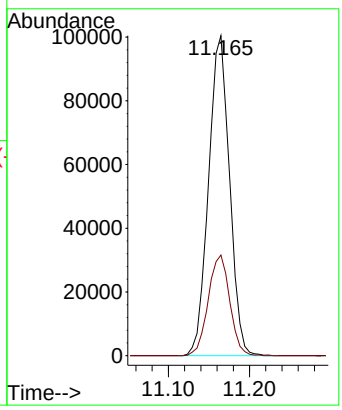


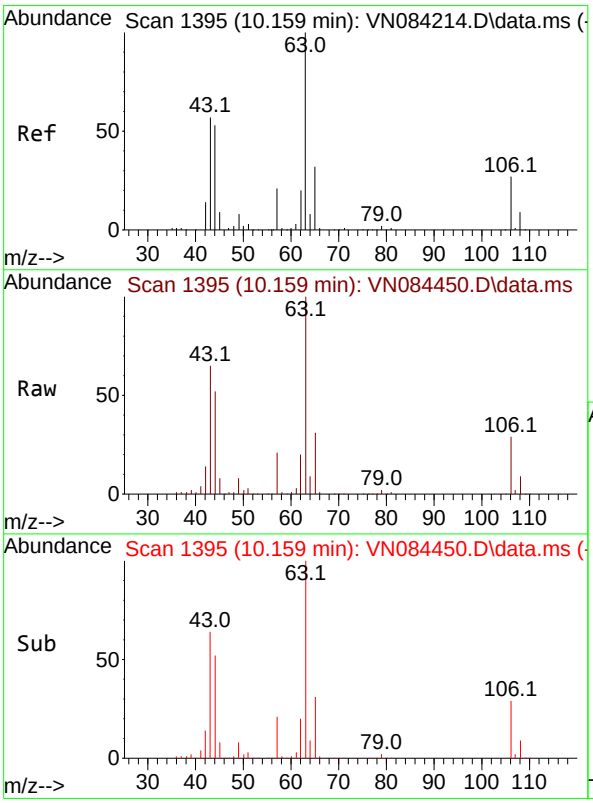
#57
1,3-Dichloropropane
Concen: 52.807 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 180331

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

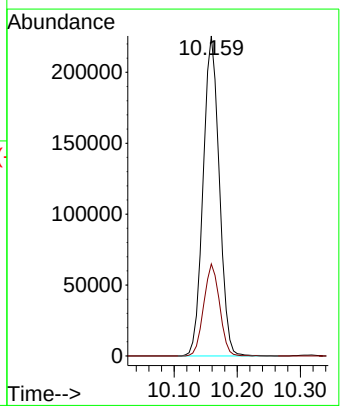


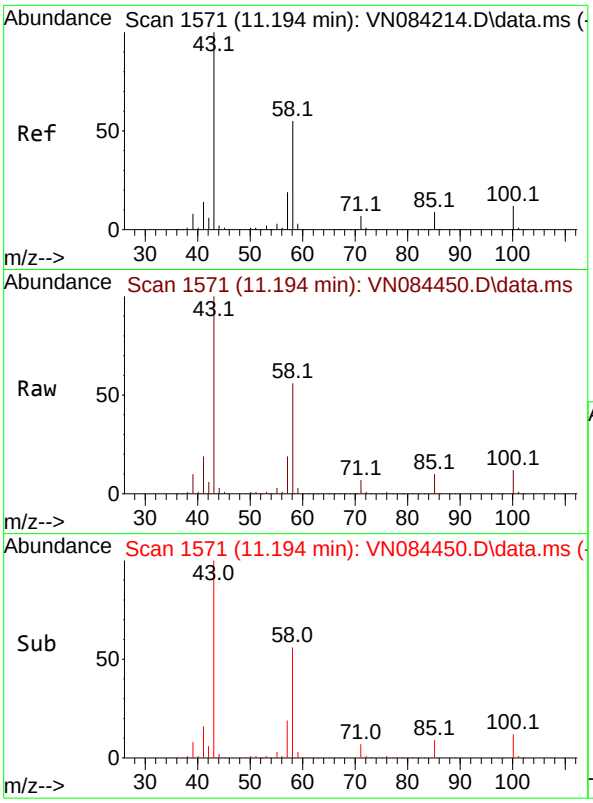


#58
2-Chloroethyl Vinyl ether
Concen: 274.020 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 63 Resp: 399737

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



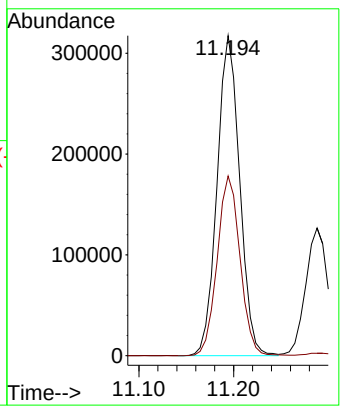


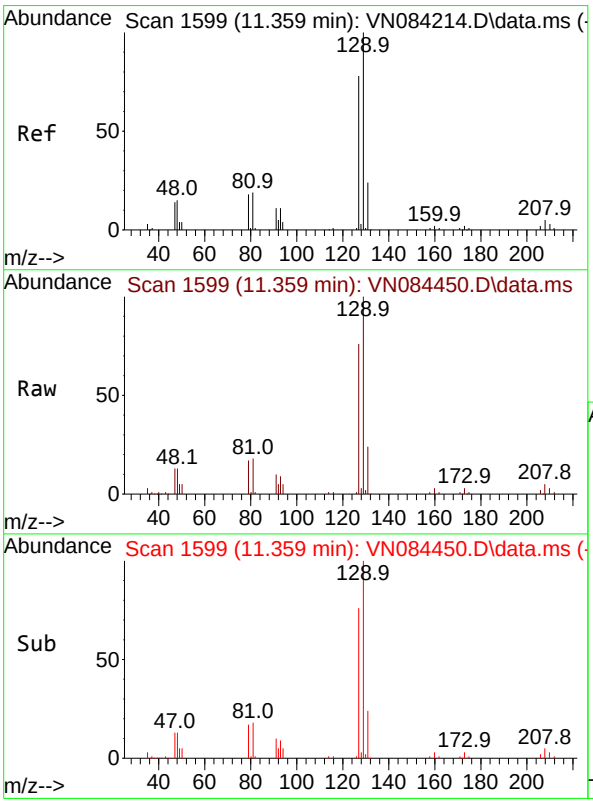
#59
2-Hexanone
Concen: 257.349 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 527091

Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.3	81.8

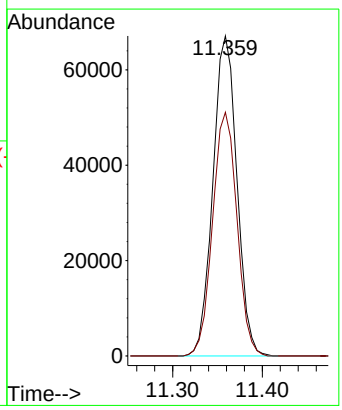


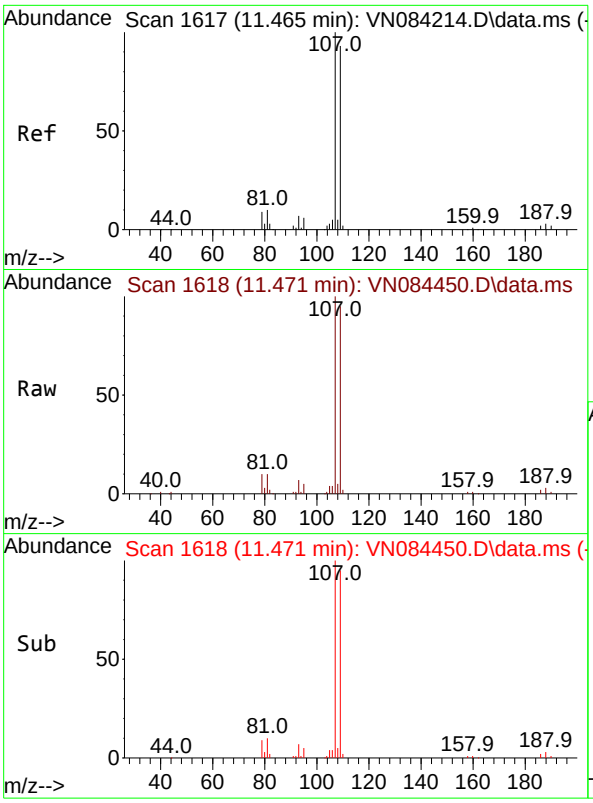


#60
Dibromochloromethane
Concen: 55.202 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:129 Resp: 124650

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9



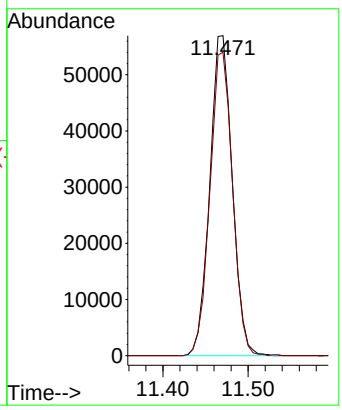


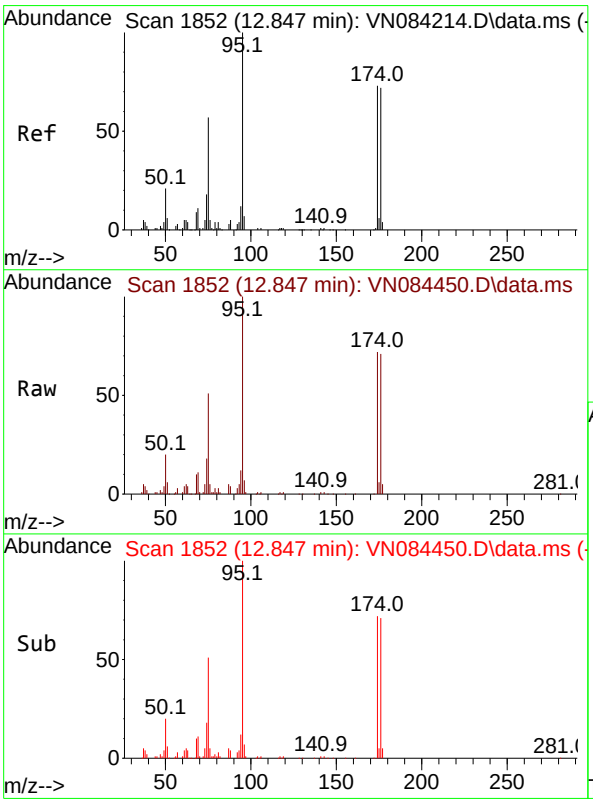
#61
1,2-Dibromoethane
Concen: 52.700 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 104654

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.0

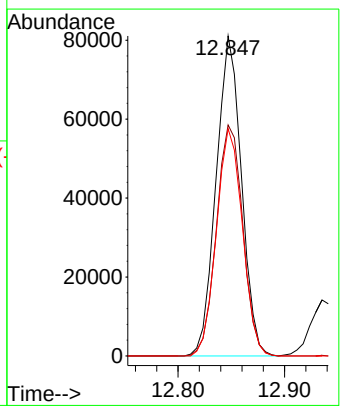


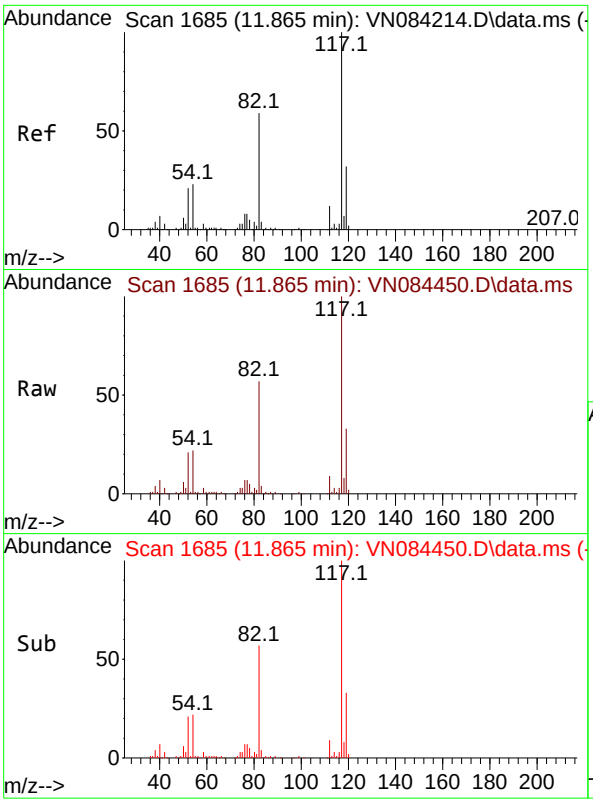


#62
4-Bromofluorobenzene
Concen: 51.620 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 95 Resp: 133654

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	73.1	0.0	140.0



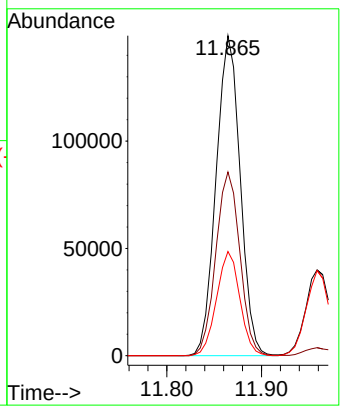


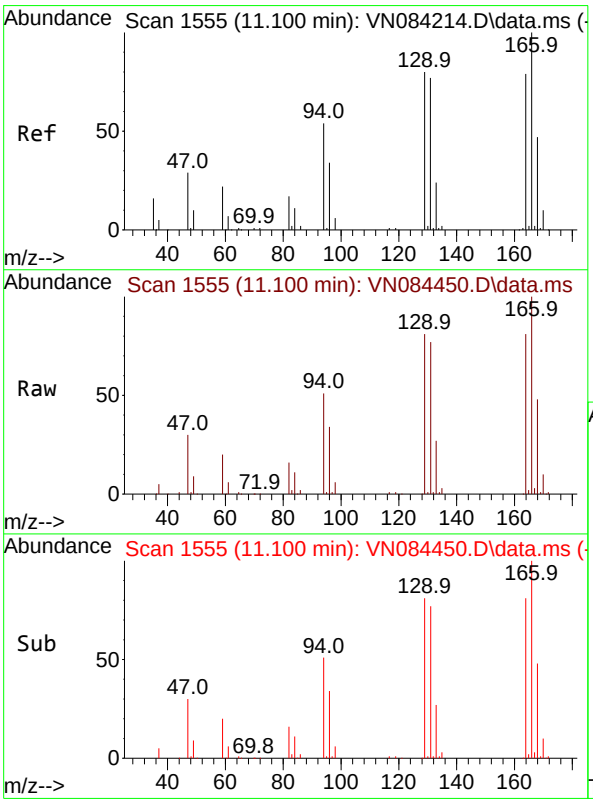
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 264421

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	32.6	25.4	38.0

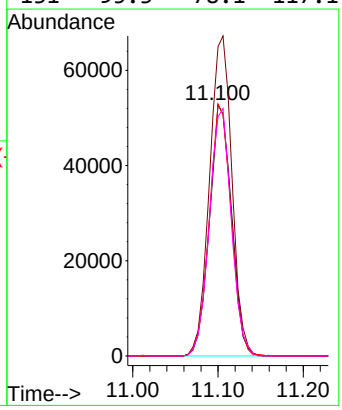


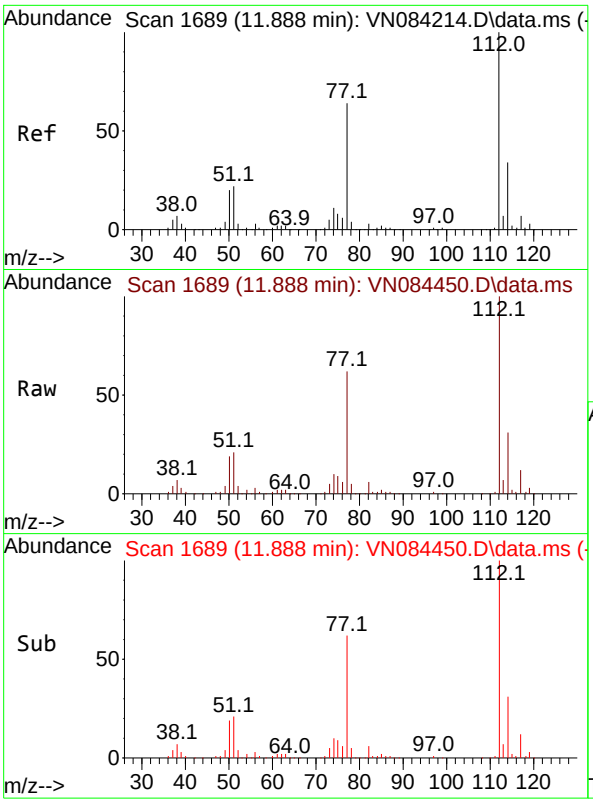


#64
Tetrachloroethene
Concen: 51.605 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:164 Resp: 95043

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.0	151.4
129	100.4	80.8	121.2
131	95.3	78.1	117.1



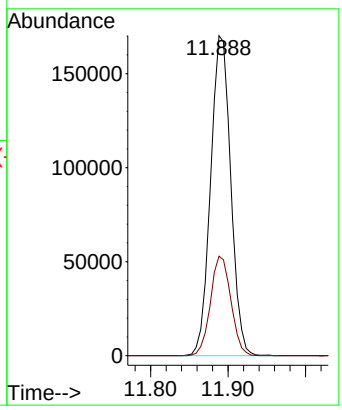


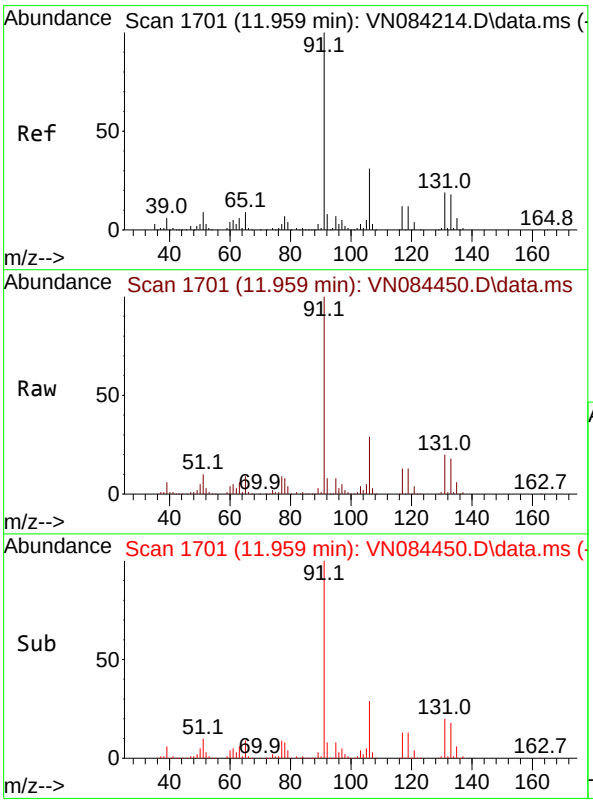
#65
Chlorobenzene
Concen: 52.353 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 306935

Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.0	40.6

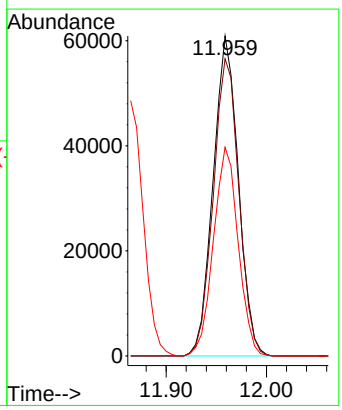


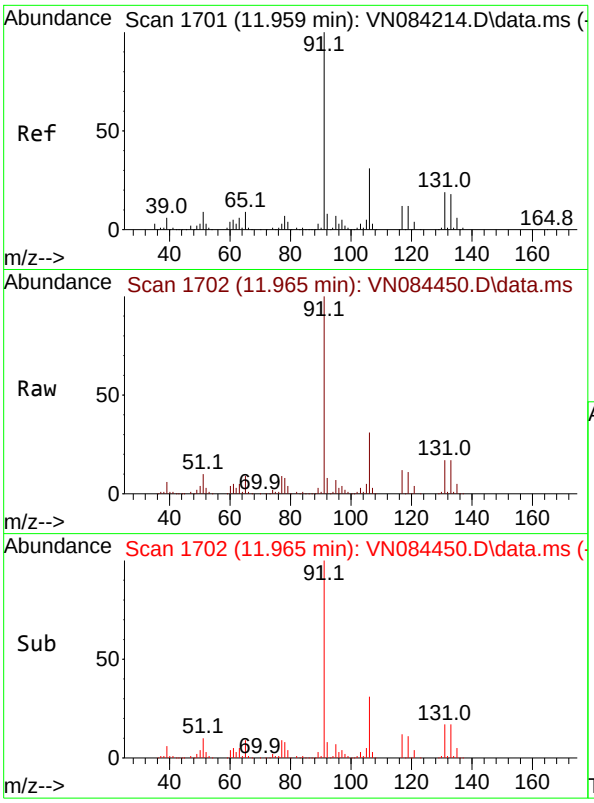


#66
1,1,1,2-Tetrachloroethane
Concen: 52.606 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:131 Resp: 106232

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.1	32.8	98.3



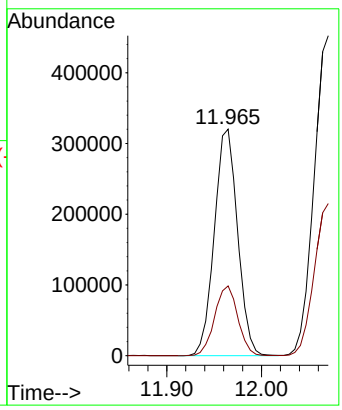


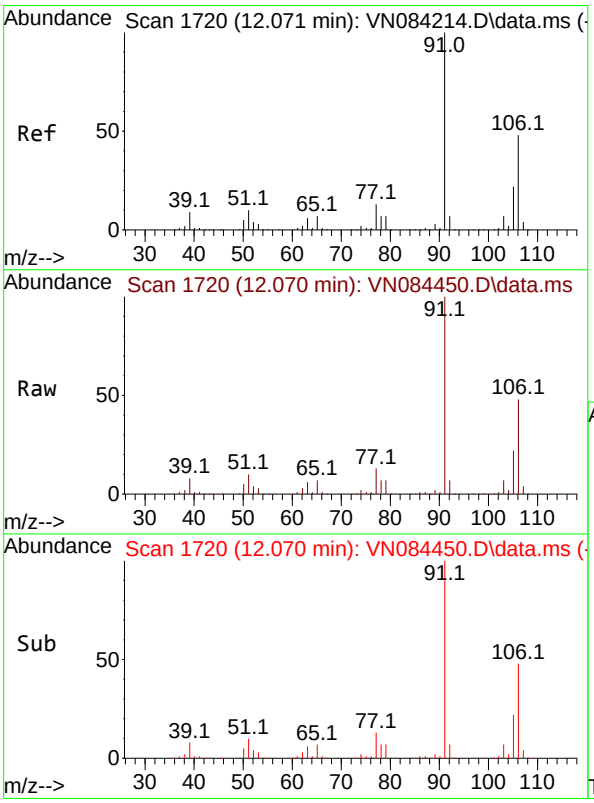
#67
Ethyl Benzene
Concen: 52.745 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 546876

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

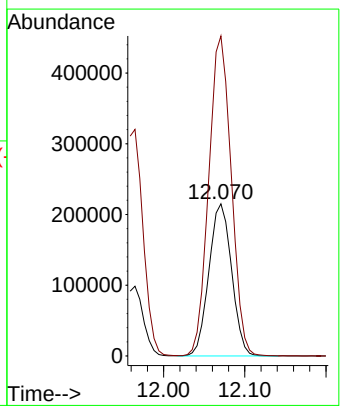


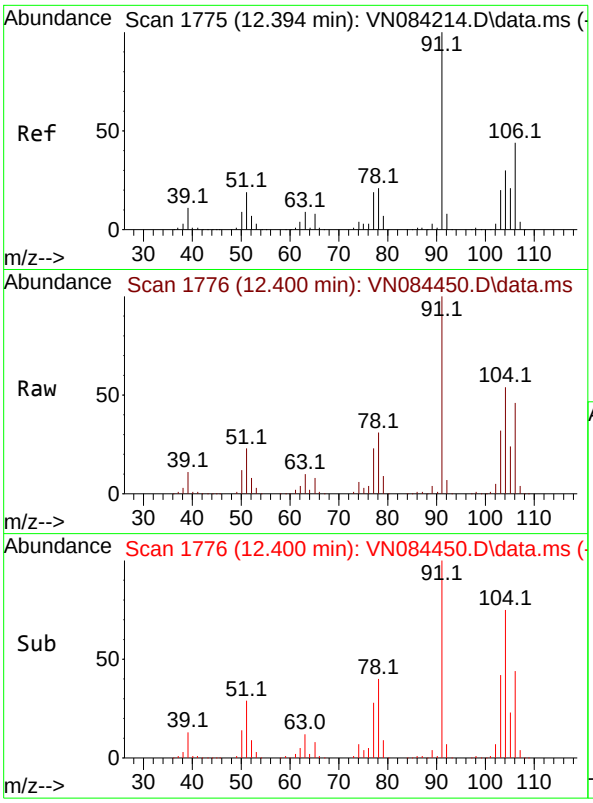


#68
m/p-Xylenes
Concen: 108.934 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:106 Resp: 417795

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.1	250.7



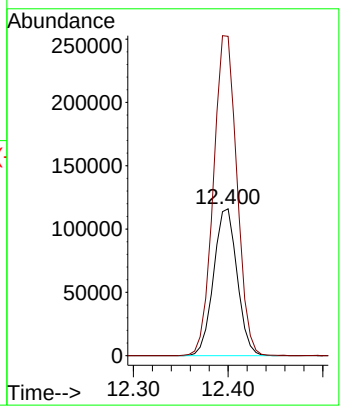


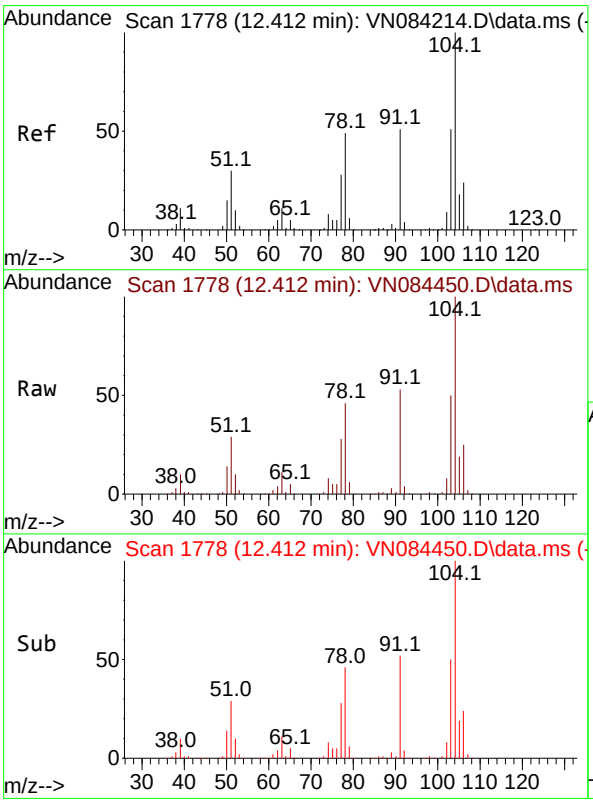
#69
o-Xylene
Concen: 55.153 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 200130

Ion	Ratio	Lower	Upper
106	100		
91	217.9	110.2	330.6

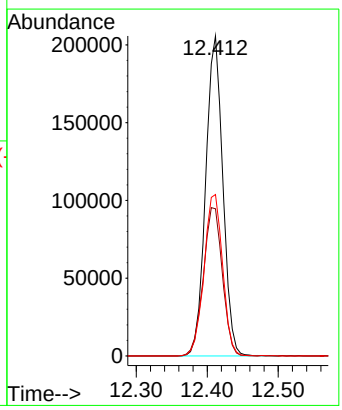


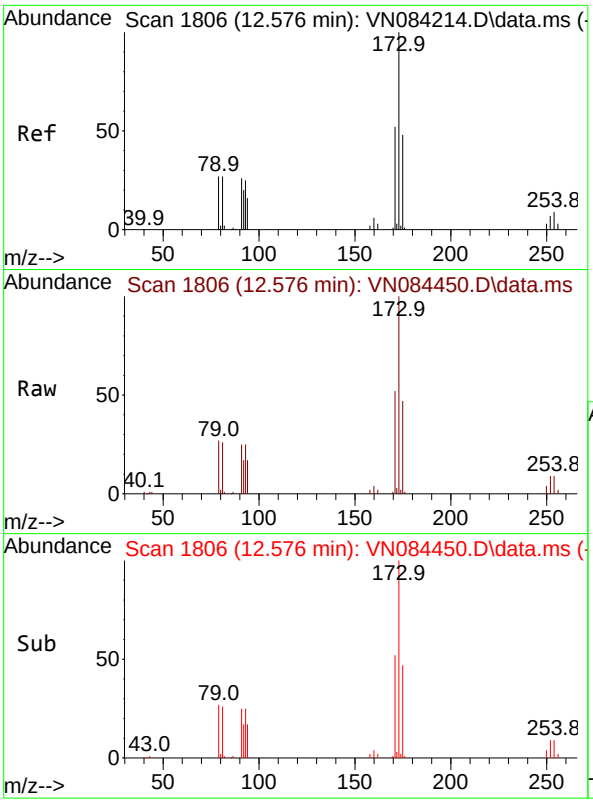


#70
Styrene
Concen: 56.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:104 Resp: 345696

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.7	64.1
103	54.7	43.6	65.4



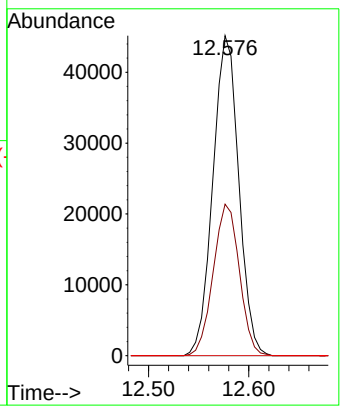


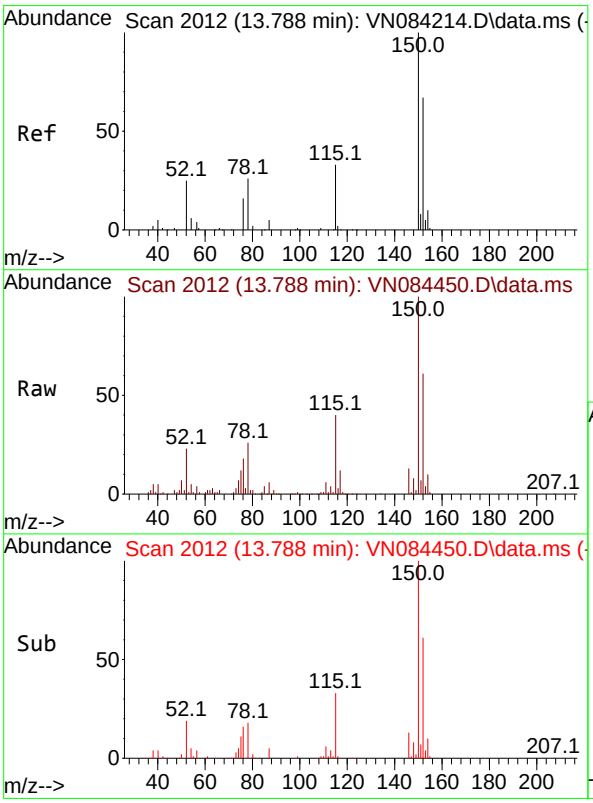
#71
Bromoform
Concen: 54.380 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 80848

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0

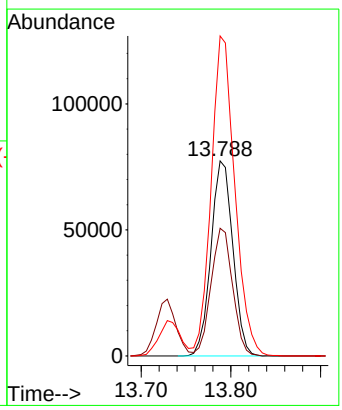


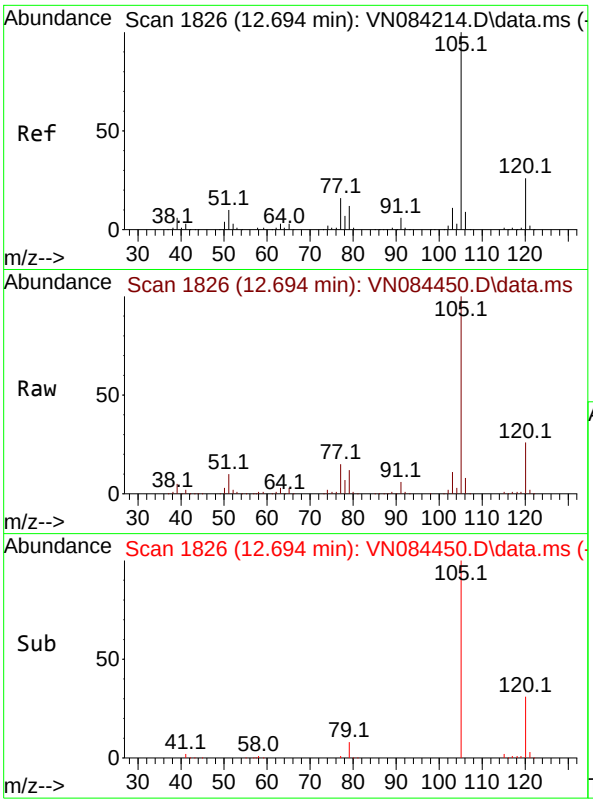


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:152 Resp: 131065

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	177.4	0.0	349.8



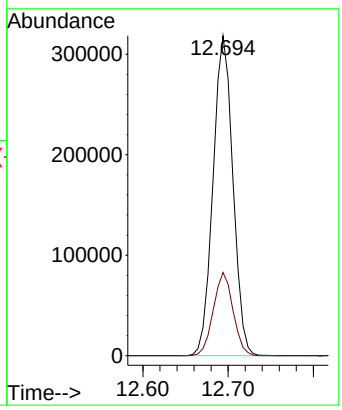


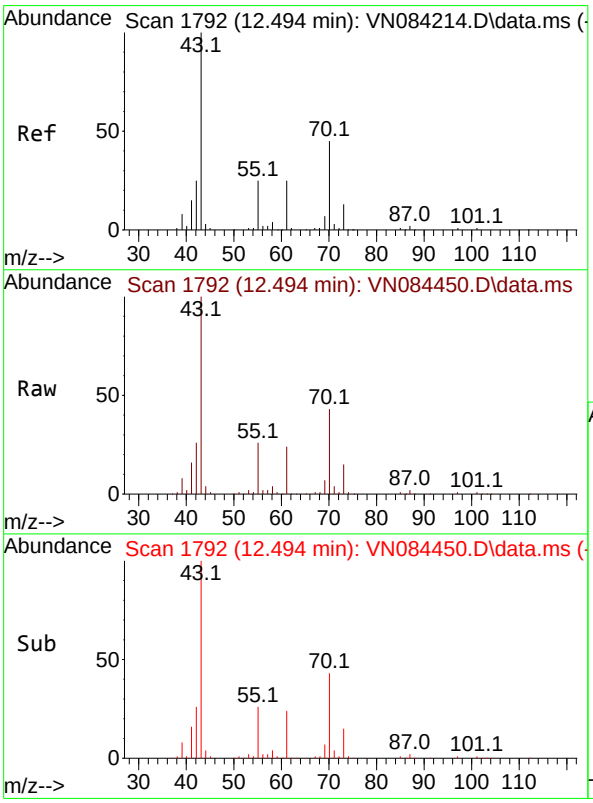
#73
Isopropylbenzene
Concen: 51.598 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 516056

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

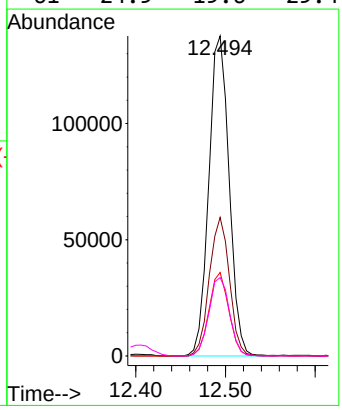


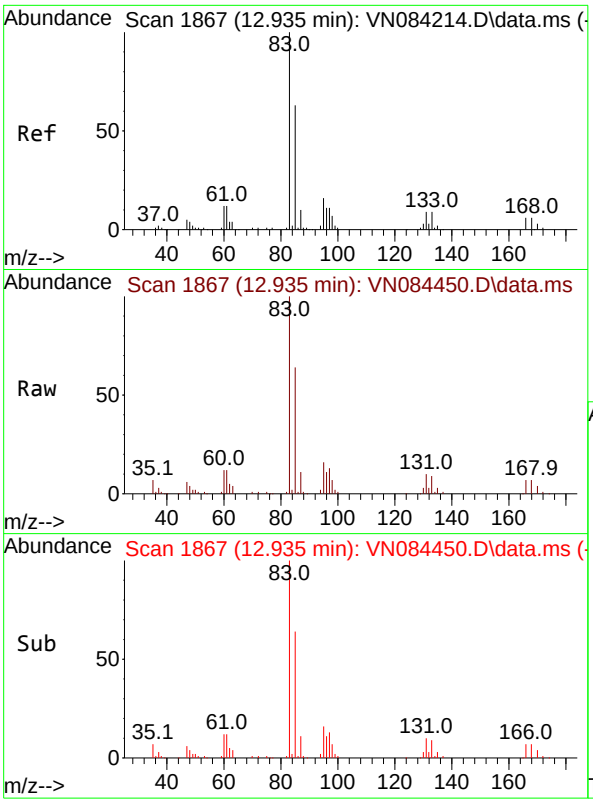


#74
N-amyl acetate
Concen: 47.839 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 43 Resp: 216664

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	25.4	19.6	29.4
61	24.9	19.6	29.4



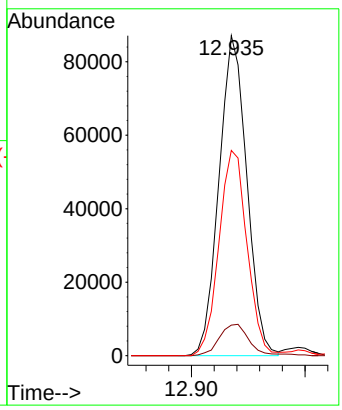


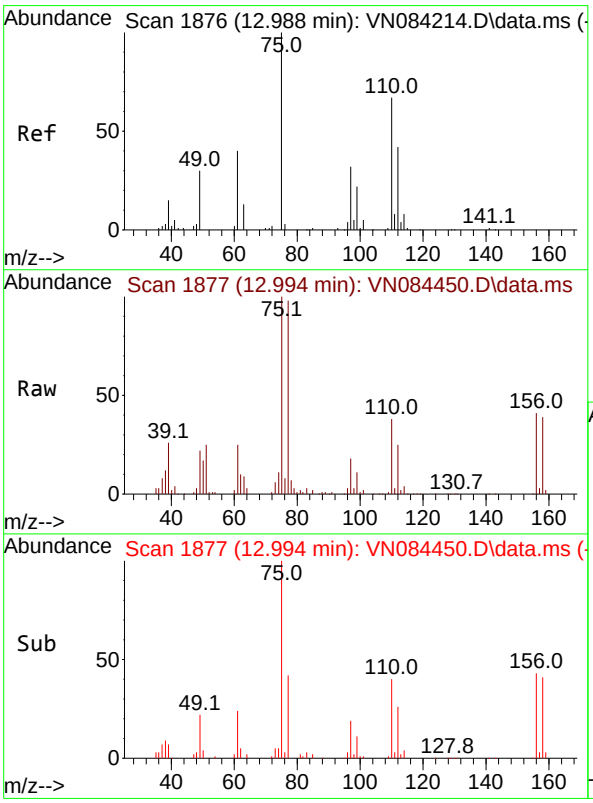
#75
1,1,2,2-Tetrachloroethane
Concen: 49.254 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148124

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	64.7	31.9	95.7

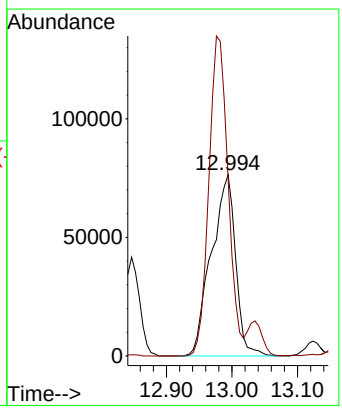


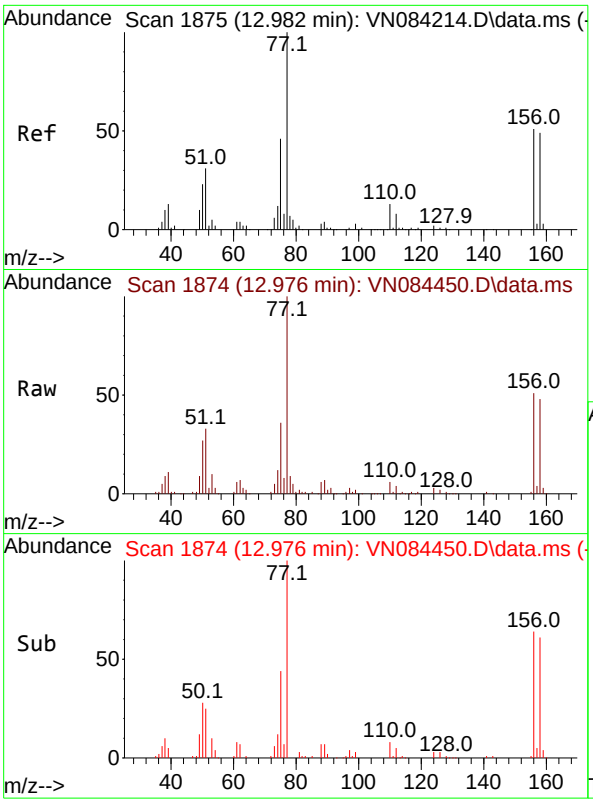


#76
1,2,3-Trichloropropane
Concen: 73.162 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 195762

Ion	Ratio	Lower	Upper
75	100		
77	140.2	96.9	290.7



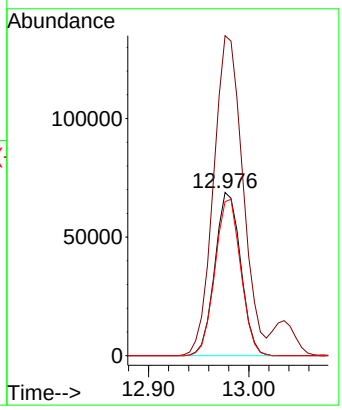


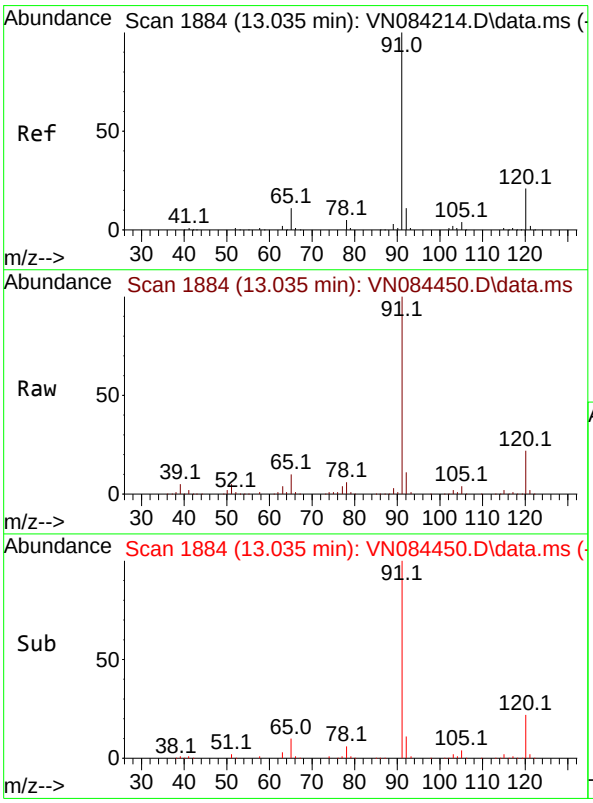
#77
Bromobenzene
Concen: 51.012 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 123066

Ion	Ratio	Lower	Upper
156	100		
77	223.0	115.1	345.3
158	95.6	48.9	146.8

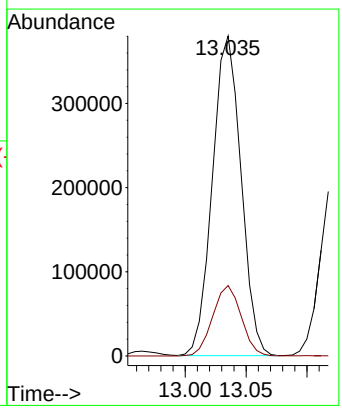


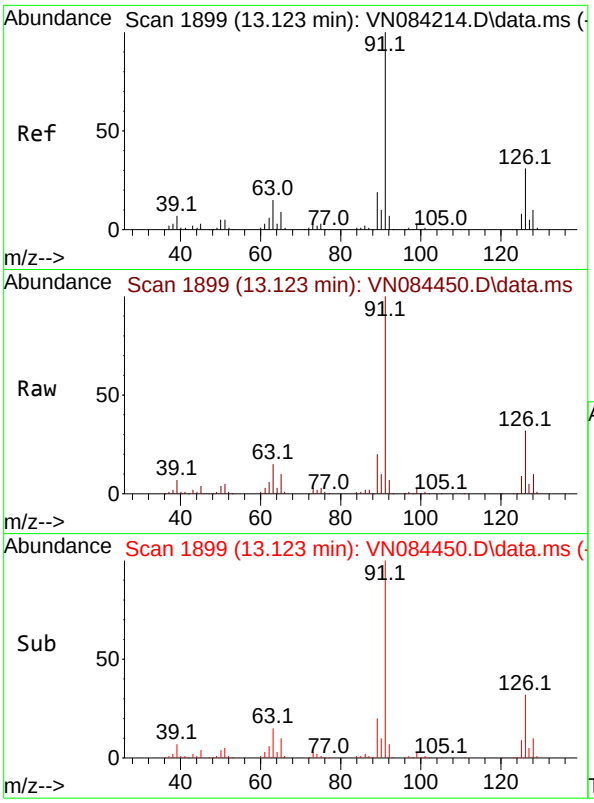


#78
n-propylbenzene
Concen: 53.618 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 91 Resp: 621310

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



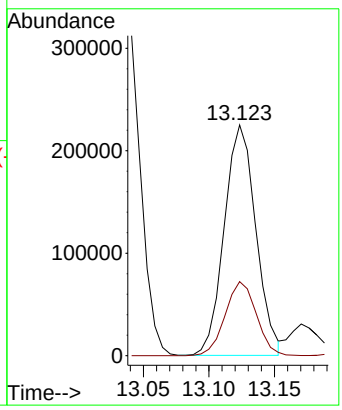


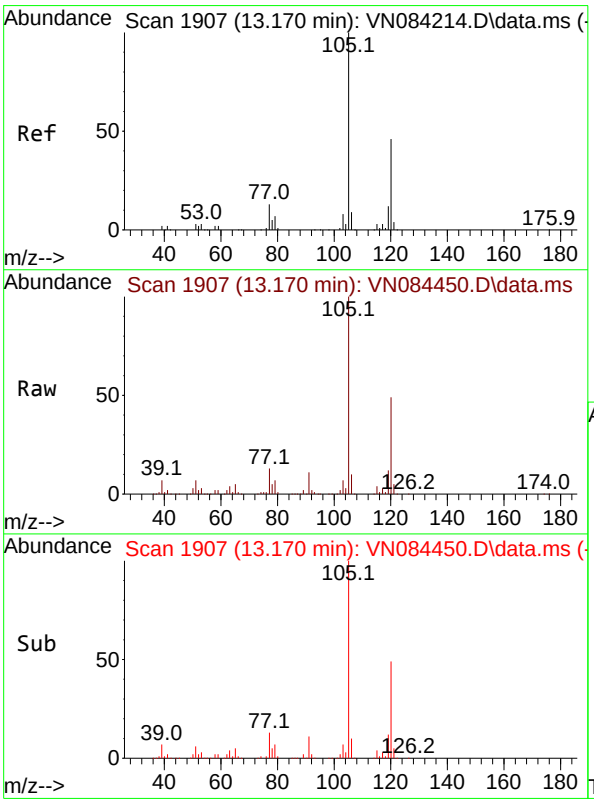
#79
2-Chlorotoluene
Concen: 50.998 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 377092

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

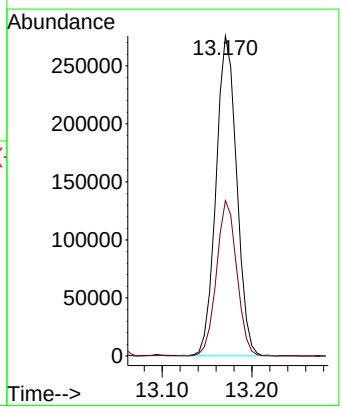


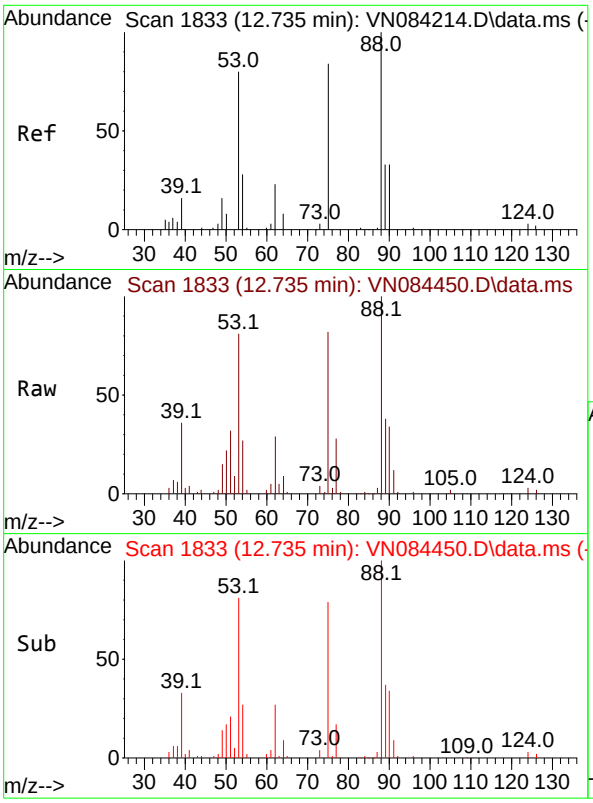


#80
1,3,5-Trimethylbenzene
Concen: 53.830 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:105 Resp: 439162

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1



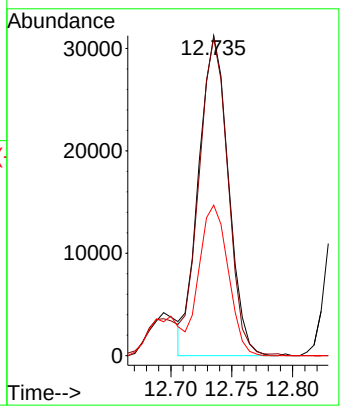


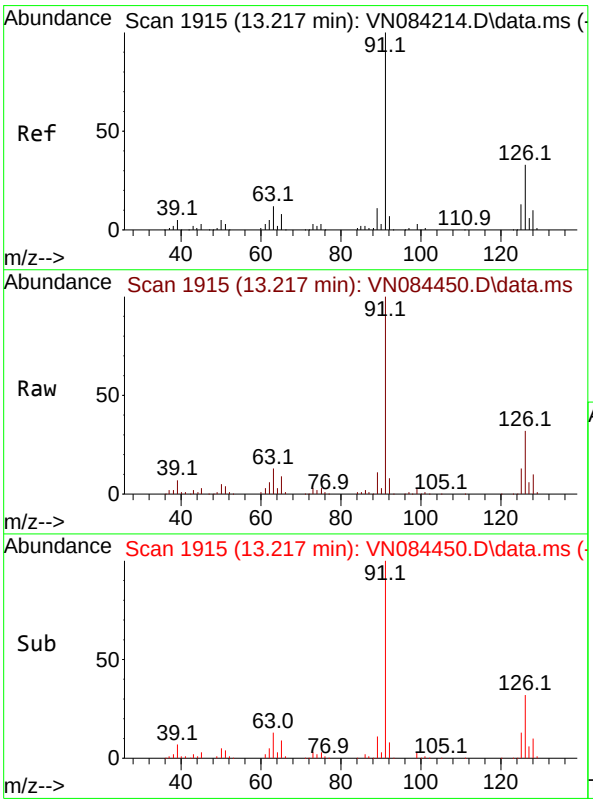
#81
trans-1,4-Dichloro-2-butene
Concen: 47.495 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 53008

Ion	Ratio	Lower	Upper
75	100		
53	97.3	78.0	117.0
89	45.5	35.5	53.3

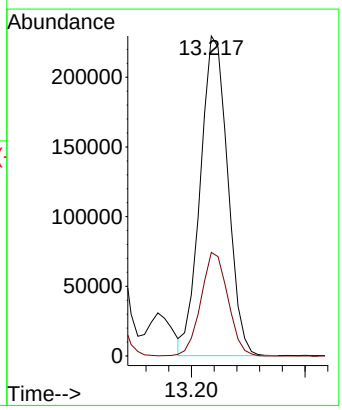


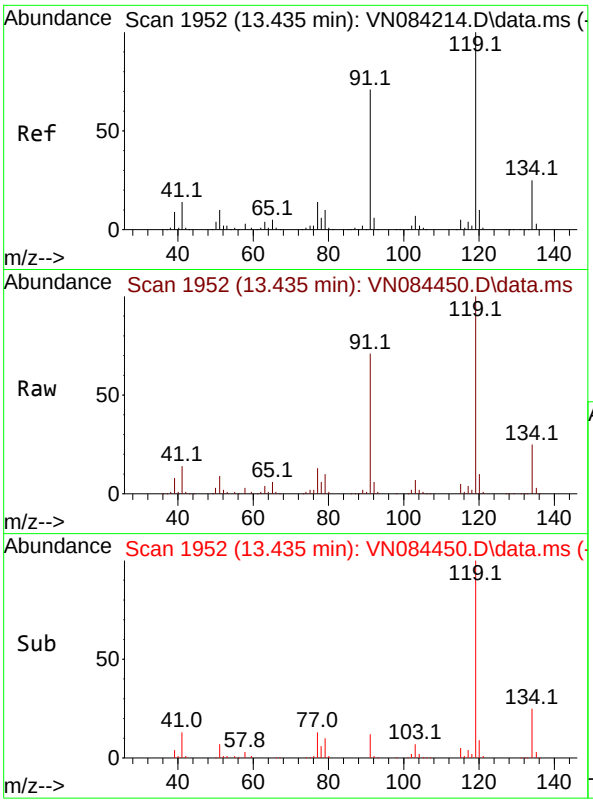


#82
4-Chlorotoluene
Concen: 51.701 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 91 Resp: 384836

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



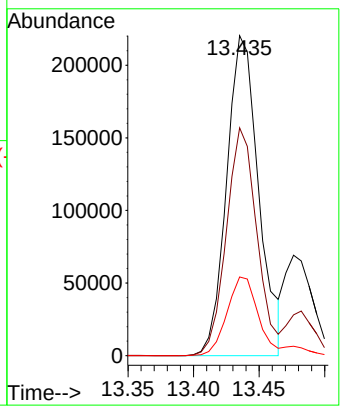


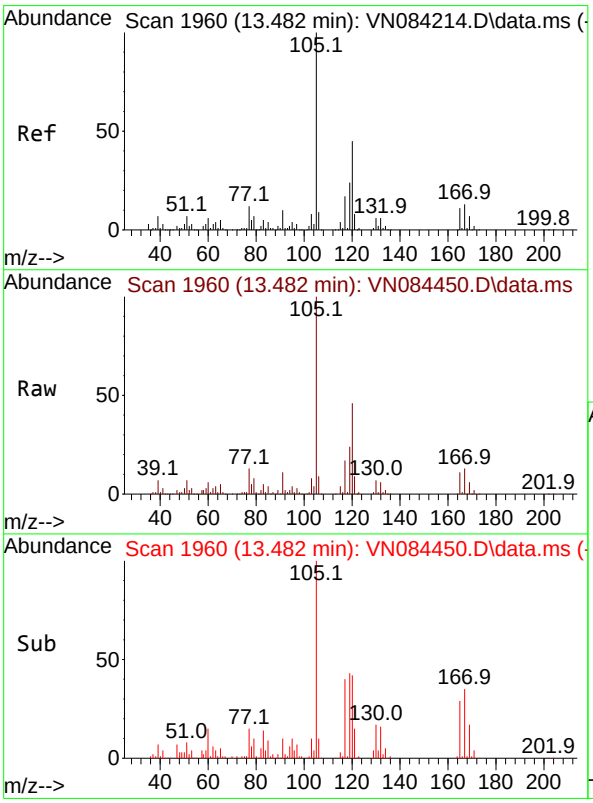
#83
tert-Butylbenzene
Concen: 51.702 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 374897

Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	26.1	12.8	38.4

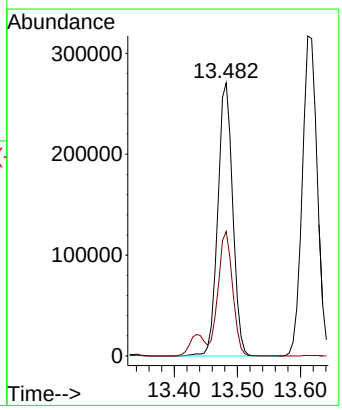


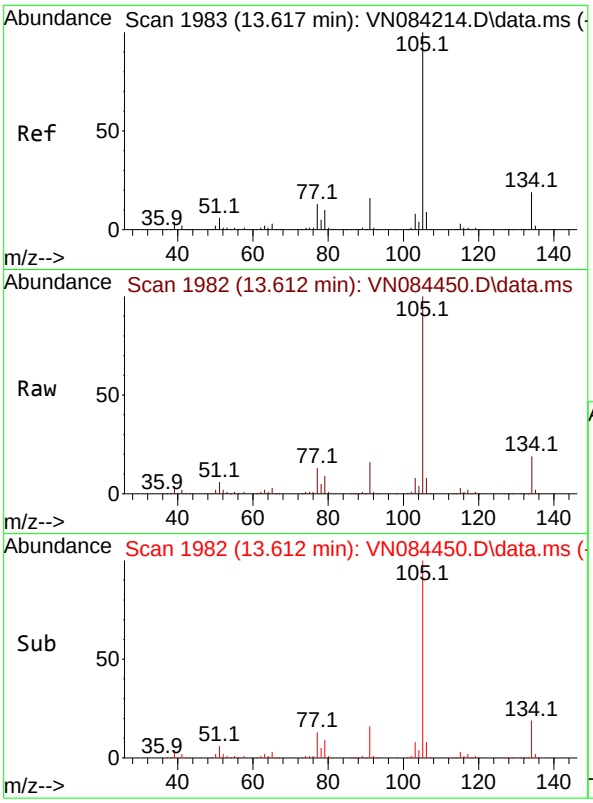


#84
1,2,4-Trimethylbenzene
Concen: 54.030 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:105 Resp: 444051

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



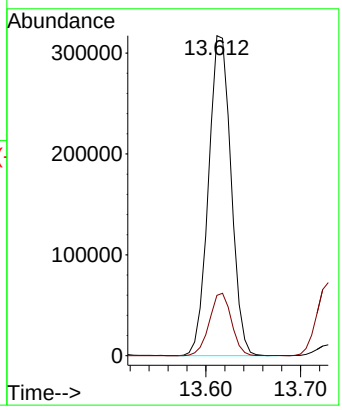


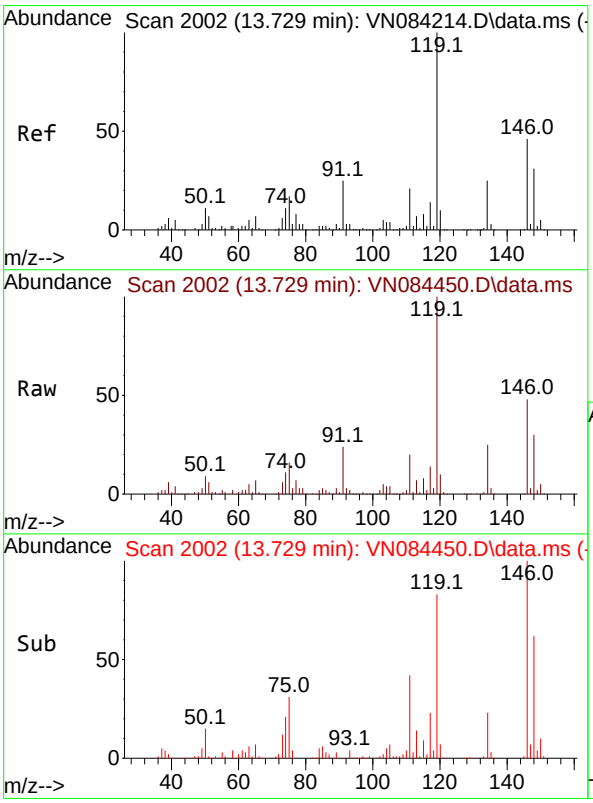
#85
sec-Butylbenzene
Concen: 54.176 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 524213

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

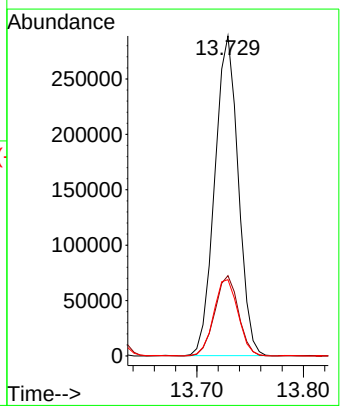


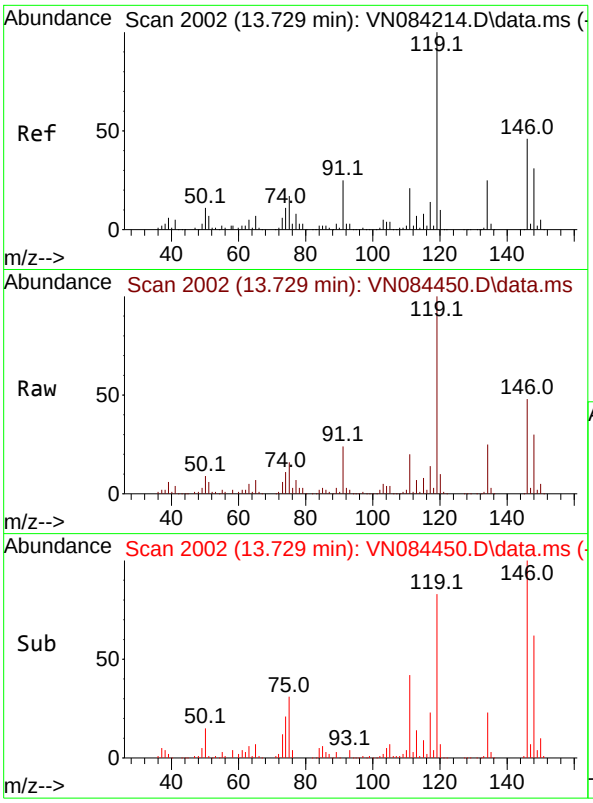


#86
p-Isopropyltoluene
Concen: 55.249 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:119 Resp: 442063

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	24.7	12.4	37.2



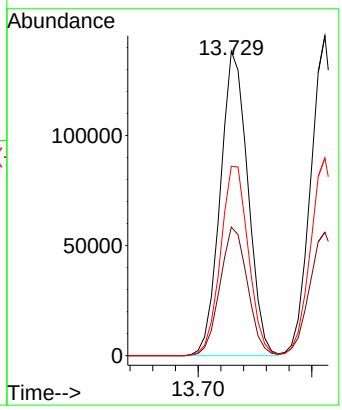


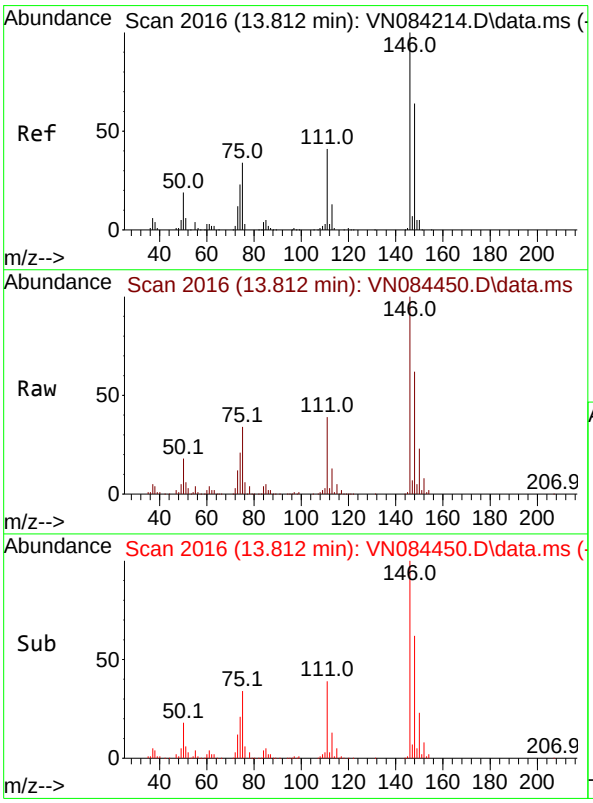
#87
1,3-Dichlorobenzene
Concen: 51.592 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 233492

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	62.7	31.9	95.7

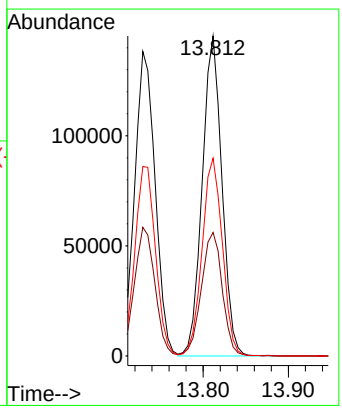


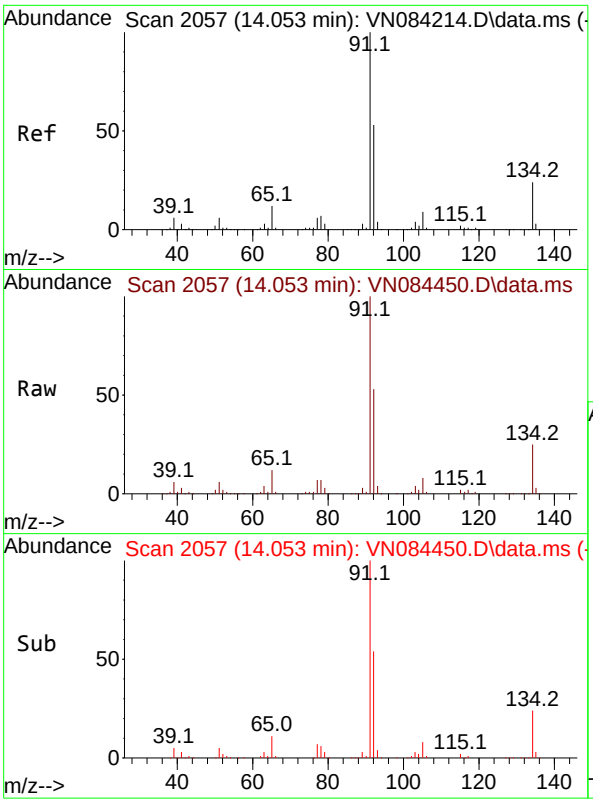


#88
1,4-Dichlorobenzene
Concen: 51.140 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:146 Resp: 233732

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.2	63.6
148	63.6	31.9	95.9



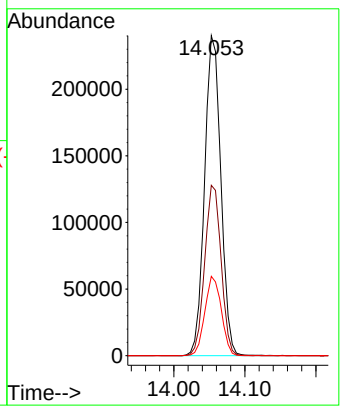


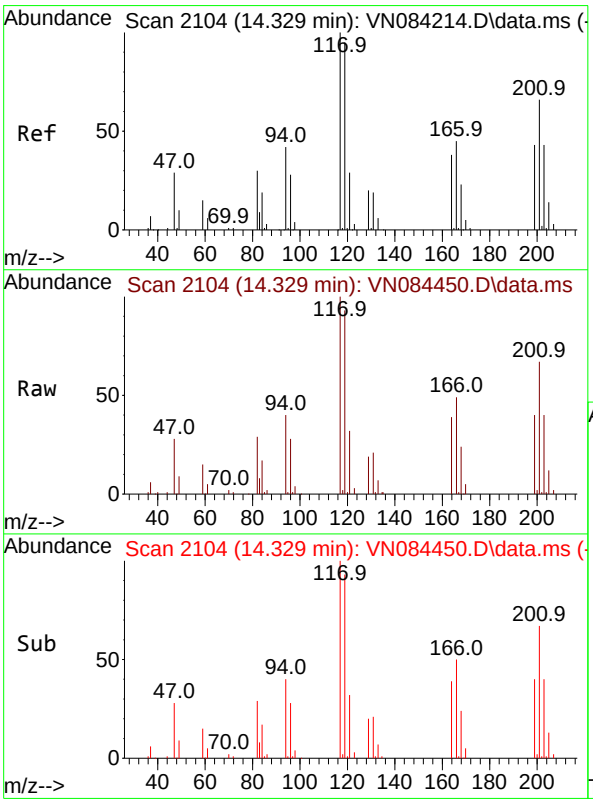
#89
n-Butylbenzene
Concen: 52.864 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 383538

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	25.0	12.3	36.9

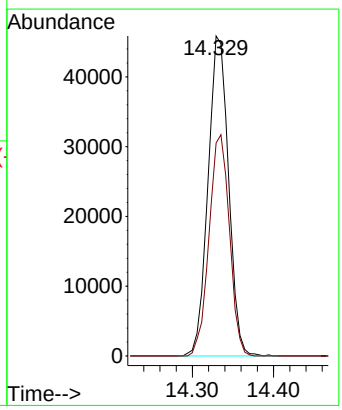


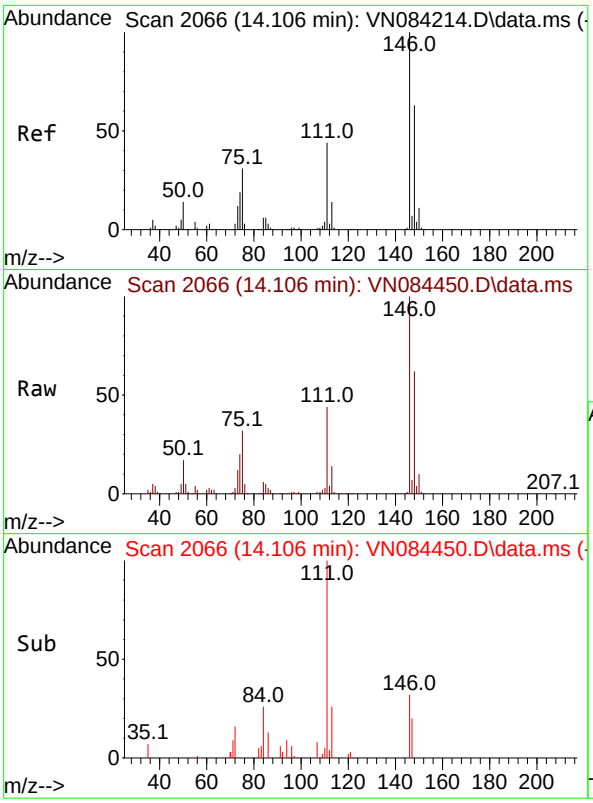


#90
Hexachloroethane
Concen: 49.520 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:117 Resp: 80426

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.4	103.2



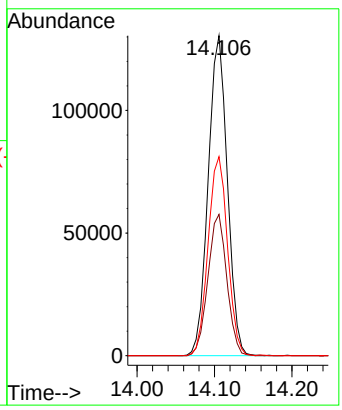


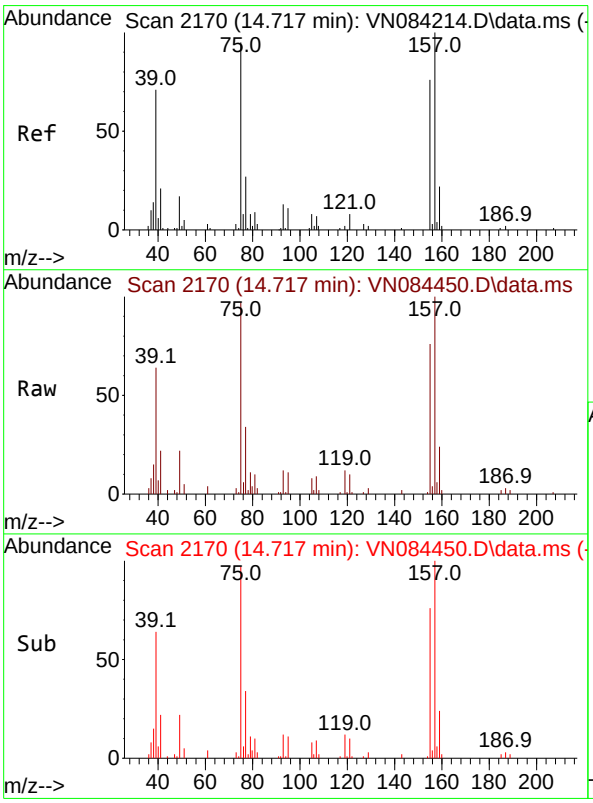
#91
1,2-Dichlorobenzene
Concen: 50.456 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 223911

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.1	32.1	96.3

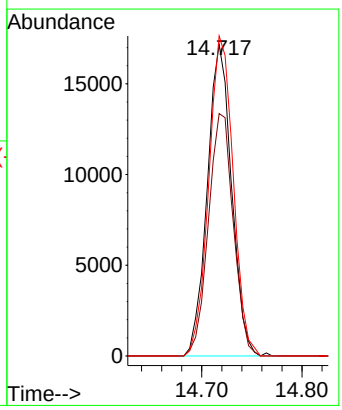


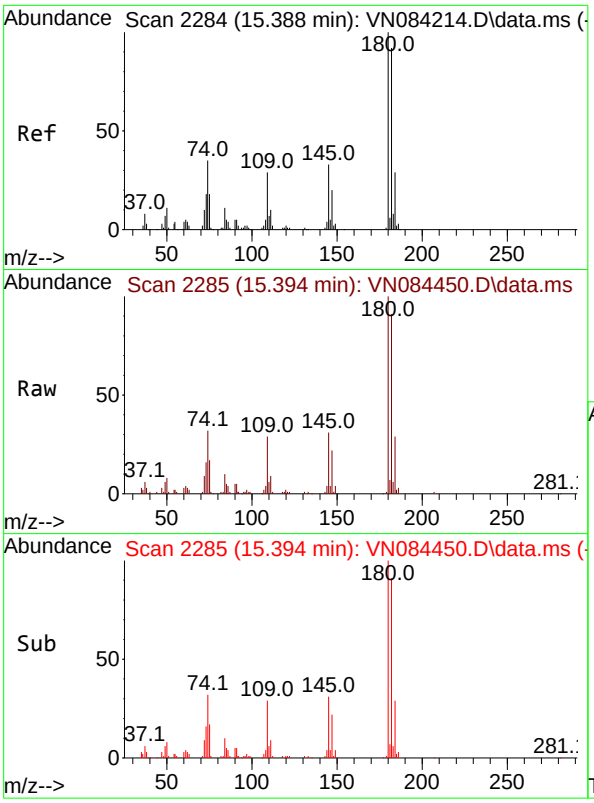


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.726 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion: 75 Resp: 28998

Ion	Ratio	Lower	Upper
75	100		
155	79.4	38.1	114.5
157	103.1	49.6	149.0



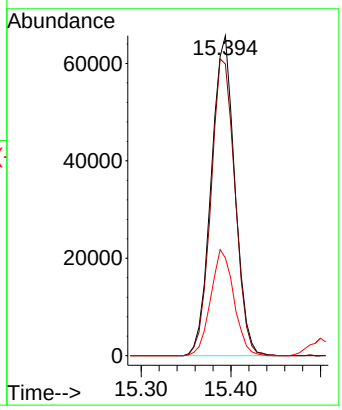


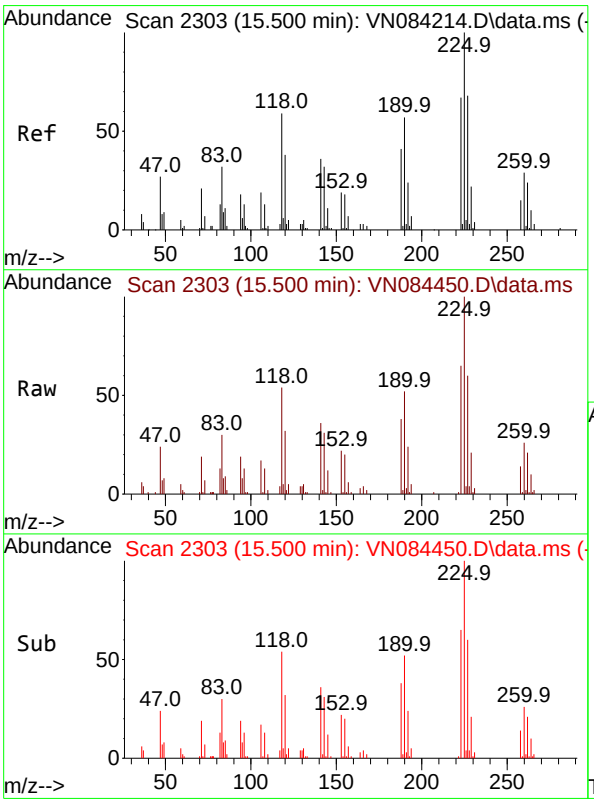
#93
1,2,4-Trichlorobenzene
Concen: 54.732 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 119635

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.6	16.4	49.4

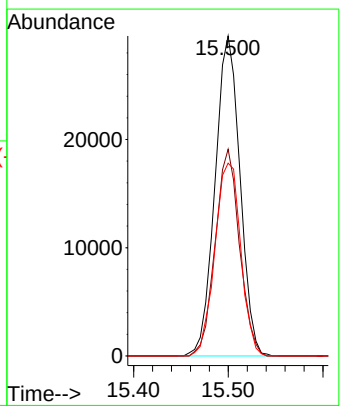


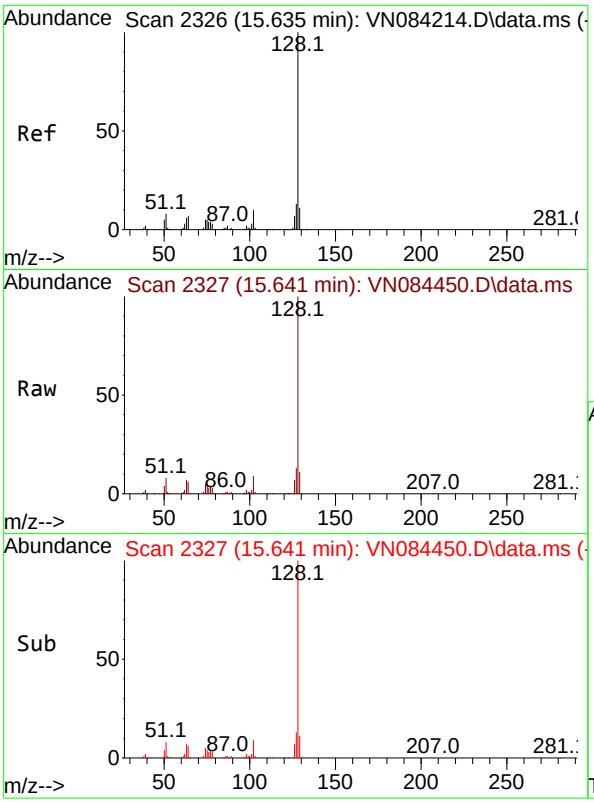


#94
Hexachlorobutadiene
Concen: 49.655 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:225 Resp: 54127

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.4	97.2
227	62.4	32.4	97.0



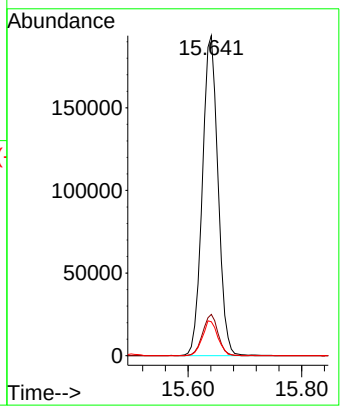


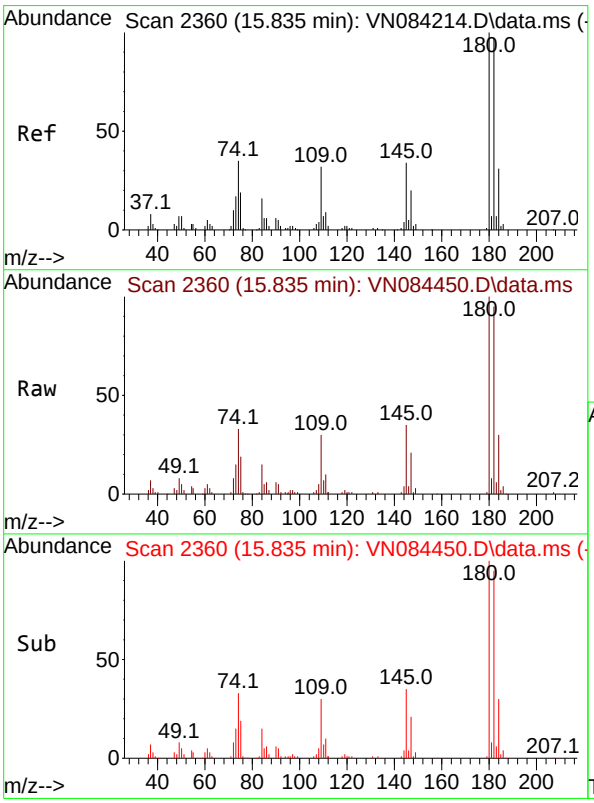
#95
Naphthalene
Concen: 50.976 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 369388

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1

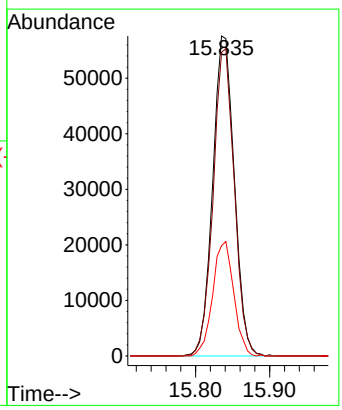




#96
1,2,3-Trichlorobenzene
Concen: 53.319 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084450.D
Acq: 22 Oct 2024 12:50

Tgt Ion:180 Resp: 116662

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.2	144.6
145	34.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Quant Time: Oct 23 01:27:16 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	177710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121628	46.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.320%		
35) Dibromofluoromethane	8.165	113	99350	49.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.080%		
50) Toluene-d8	10.565	98	359697	48.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.847	95	131806	49.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	30405	14.464	ug/l	88
3) Chloromethane	2.365	50	38245	15.934	ug/l	92
4) Vinyl Chloride	2.512	62	38348	16.494	ug/l	99
5) Bromomethane	2.953	94	26015	16.964	ug/l	96
6) Chloroethane	3.118	64	24567	14.755	ug/l	93
7) Trichlorofluoromethane	3.494	101	62625	17.298	ug/l	100
8) Diethyl Ether	3.959	74	23561	17.547	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	36860	17.769	ug/l	98
10) Methyl Iodide	4.589	142	46339	17.346	ug/l	99
11) Tert butyl alcohol	5.524	59	34138	78.574	ug/l	100
12) 1,1-Dichloroethene	4.347	96	36354	18.169	ug/l	90
13) Acrolein	4.177	56	28493	57.125	ug/l	99
14) Allyl chloride	5.024	41	57894	16.660	ug/l	96
15) Acrylonitrile	5.724	53	99053	90.281	ug/l	99
16) Acetone	4.430	43	92502	81.724	ug/l	100
17) Carbon Disulfide	4.712	76	103059	16.268	ug/l	100
18) Methyl Acetate	5.024	43	43324	17.561	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	119560	17.704	ug/l	98
20) Methylene Chloride	5.277	84	41973	18.242	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	37752	18.009	ug/l	97
22) Diisopropyl ether	6.671	45	129644	18.037	ug/l	96
23) Vinyl Acetate	6.606	43	460216	86.325	ug/l	100
24) 1,1-Dichloroethane	6.565	63	74312	18.487	ug/l	99
25) 2-Butanone	7.482	43	134974	87.552	ug/l	99
26) 2,2-Dichloropropane	7.488	77	64580	17.819	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46201	18.239	ug/l	97
28) Bromochloromethane	7.818	49	33275	18.553	ug/l	95
29) Tetrahydrofuran	7.841	42	84149	88.450	ug/l	99
30) Chloroform	7.971	83	78076	18.699	ug/l	96
31) Cyclohexane	8.253	56	66769	17.108	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	68084	18.156	ug/l	96
36) 1,1-Dichloropropene	8.371	75	53919	18.511	ug/l	99
37) Ethyl Acetate	7.559	43	53127	17.779	ug/l	99
38) Carbon Tetrachloride	8.365	117	60111	18.813	ug/l	99
39) Methylcyclohexane	9.600	83	56729	17.499	ug/l	98
40) Benzene	8.606	78	169698	18.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Quant Time: Oct 23 01:27:16 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	7.782	41	28308	17.450	ug/l		98
42) 1,2-Dichloroethane	8.671	62	56388	18.328	ug/l		99
43) Isopropyl Acetate	8.688	43	87191	14.897	ug/l		98
44) Trichloroethene	9.353	130	40177	18.955	ug/l		98
45) 1,2-Dichloropropane	9.623	63	40840	19.023	ug/l		96
46) Dibromomethane	9.706	93	28768	19.857	ug/l		98
47) Bromodichloromethane	9.882	83	61279	19.038	ug/l		91
48) Methyl methacrylate	9.676	41	41050	17.619	ug/l		98
49) 1,4-Dioxane	9.694	88	14851	346.222	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.447	43	262197	92.172	ug/l		99
52) Toluene	10.629	92	106505	19.246	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	61026	18.600	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	64908	18.392	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	40314	20.321	ug/l		92
56) Ethyl methacrylate	10.870	69	59750	18.303	ug/l		95
57) 1,3-Dichloropropane	11.165	76	65745	18.546	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124774	82.396	ug/l		98
59) 2-Hexanone	11.194	43	194266	91.370	ug/l		100
60) Dibromochloromethane	11.359	129	45869	19.568	ug/l		100
61) 1,2-Dibromoethane	11.470	107	39273	19.051	ug/l		100
64) Tetrachloroethene	11.106	164	34680	18.439	ug/l		96
65) Chlorobenzene	11.894	112	111661	18.650	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	38900	18.863	ug/l		99
67) Ethyl Benzene	11.964	91	192042	18.137	ug/l		99
68) m/p-Xylenes	12.070	106	148188	37.836	ug/l		99
69) o-Xylene	12.400	106	70695	19.078	ug/l		98
70) Styrene	12.412	104	120254	19.159	ug/l		98
71) Bromoform	12.576	173	29221	19.246	ug/l	#	96
73) Isopropylbenzene	12.694	105	182230	18.034	ug/l		98
74) N-amyl acetate	12.494	43	76299	16.674	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55947	18.413	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	71283	26.368	ug/l		63
77) Bromobenzene	12.976	156	44866	18.407	ug/l		95
78) n-propylbenzene	13.035	91	213398	18.227	ug/l		99
79) 2-Chlorotoluene	13.123	91	134753	18.038	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	154916	18.794	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21723	19.264	ug/l		87
82) 4-Chlorotoluene	13.217	91	137196	18.243	ug/l		99
83) tert-Butylbenzene	13.435	119	127869	17.454	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	153680	18.508	ug/l		97
85) sec-Butylbenzene	13.617	105	176234	18.027	ug/l		100
86) p-Isopropyltoluene	13.729	119	146590	18.133	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	83239	18.204	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	81325	17.612	ug/l		99
89) n-Butylbenzene	14.053	91	122182	16.668	ug/l		99
90) Hexachloroethane	14.329	117	28246	17.213	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	79655	17.766	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10211	16.285	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36971	16.741	ug/l		99
94) Hexachlorobutadiene	15.500	225	18220	16.544	ug/l		96
95) Naphthalene	15.641	128	109289	14.927	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	36215	16.382	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Quant Time: Oct 23 01:27:16 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

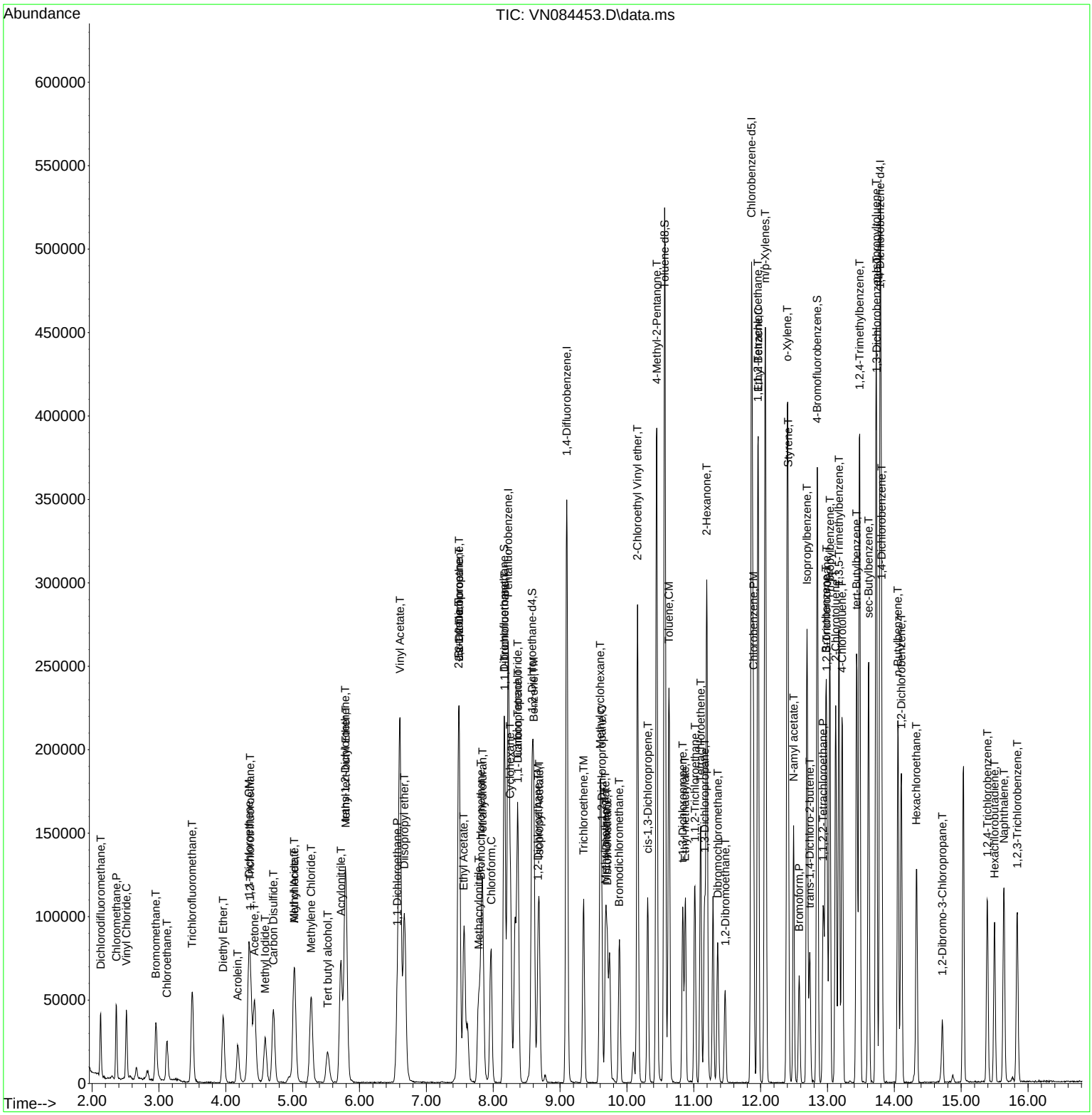
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

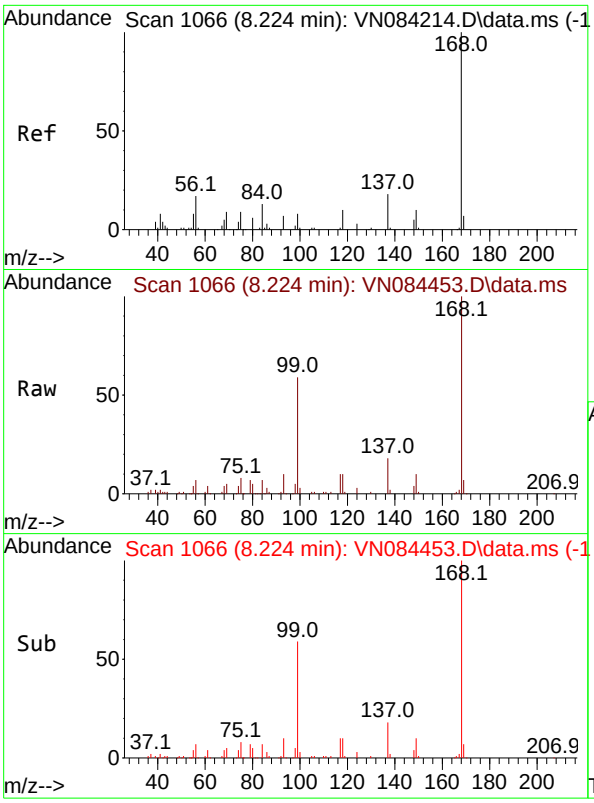
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Quant Time: Oct 23 01:27:16 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



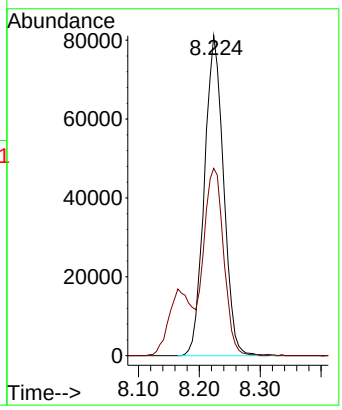


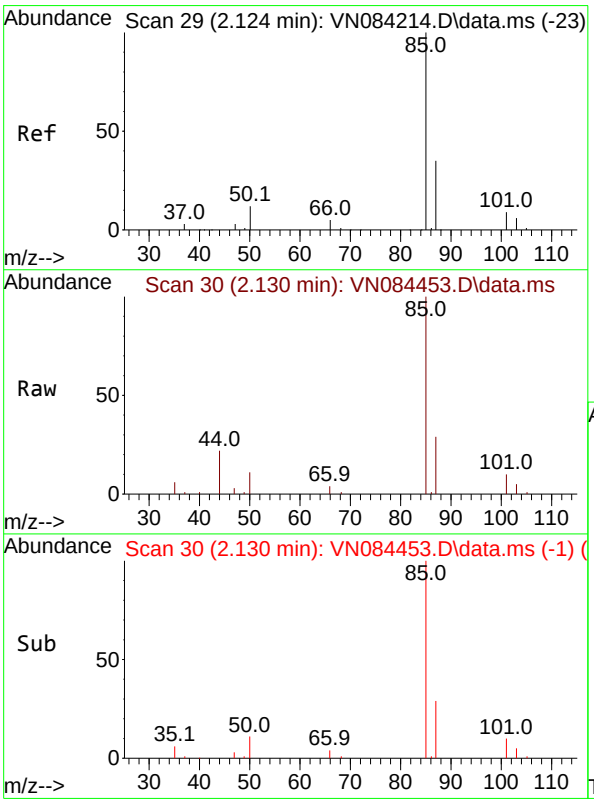
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:168 Resp: 177710

Ion	Ratio	Lower	Upper
168	100		
99	58.6	54.2	81.2

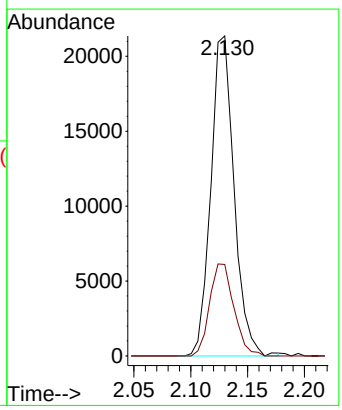


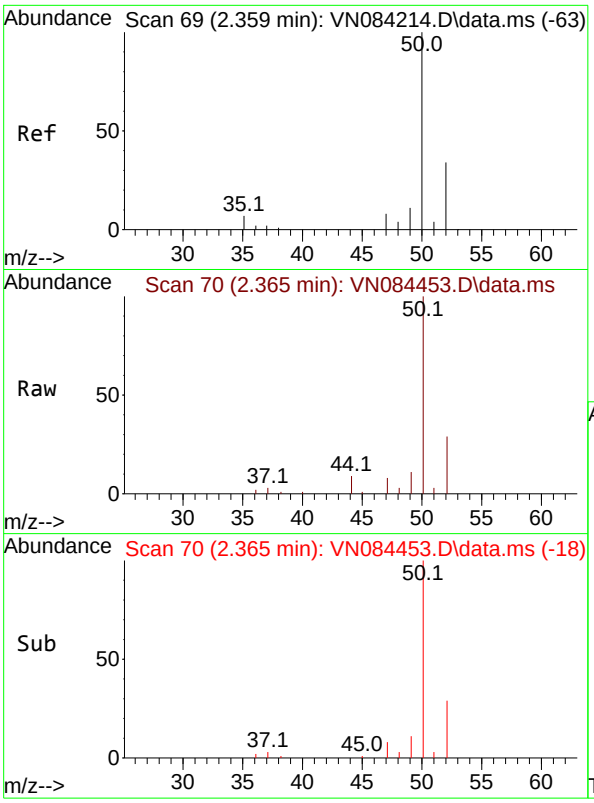


#2
Dichlorodifluoromethane
Concen: 14.464 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 85 Resp: 30405

Ion	Ratio	Lower	Upper
85	100		
87	28.6	17.6	52.9



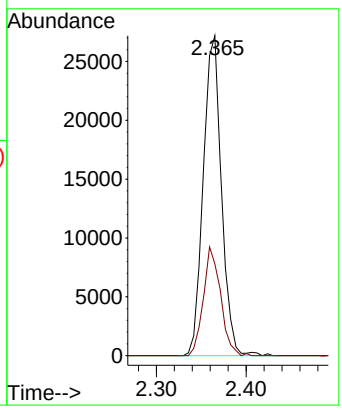


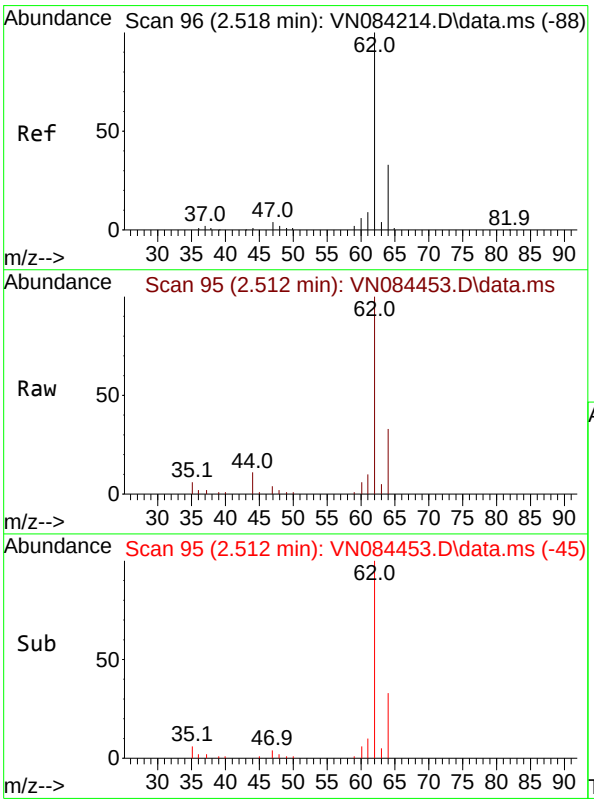
#3
Chloromethane
Concen: 15.934 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 50 Resp: 38245

Ion	Ratio	Lower	Upper
50	100		
52	28.7	26.8	40.2

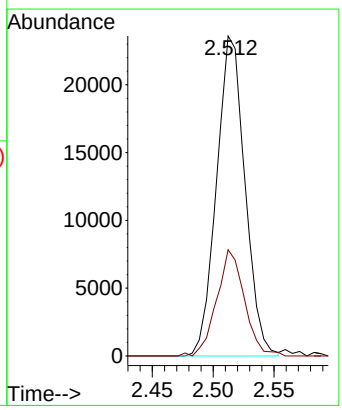


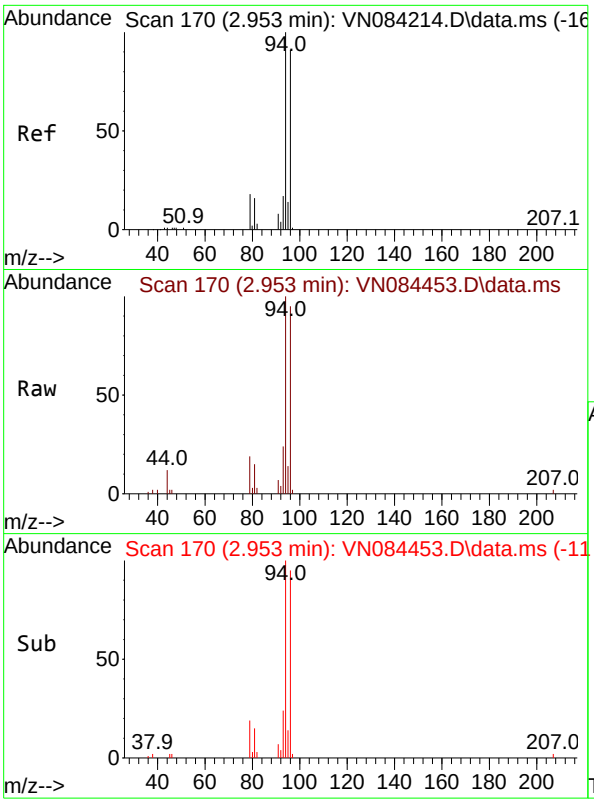


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 62 Resp: 38348

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.4



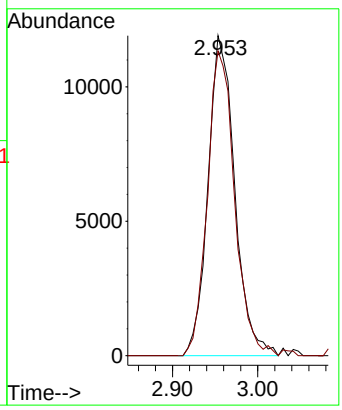


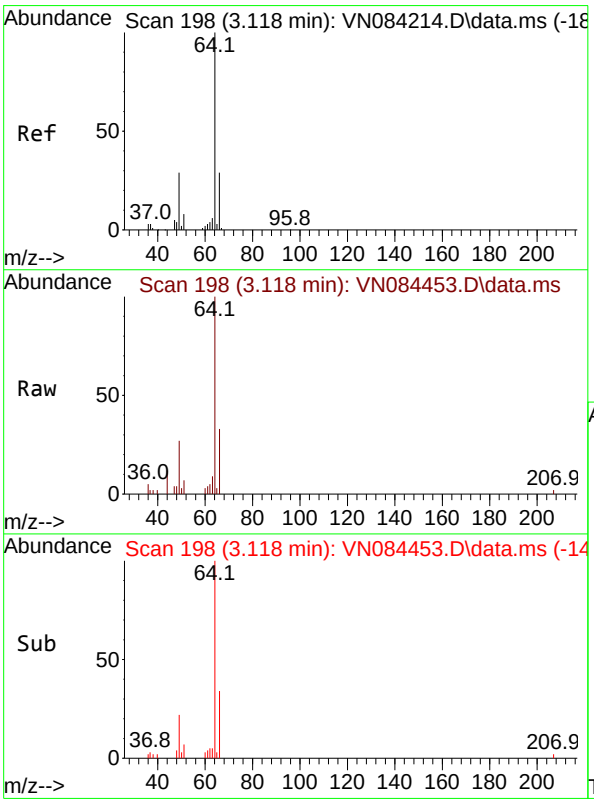
#5
Bromomethane
Concen: 16.964 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 94 Resp: 26015

Ion	Ratio	Lower	Upper
94	100		
96	95.2	72.9	109.3

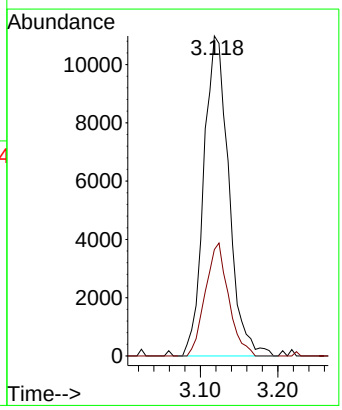


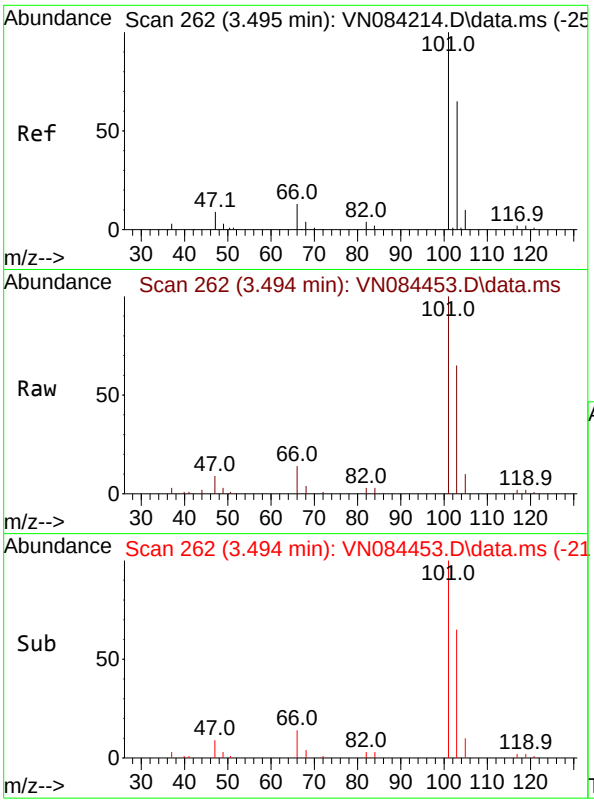


#6
Chloroethane
Concen: 14.755 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 64 Resp: 24567

Ion	Ratio	Lower	Upper
64	100		
66	33.3	23.5	35.3



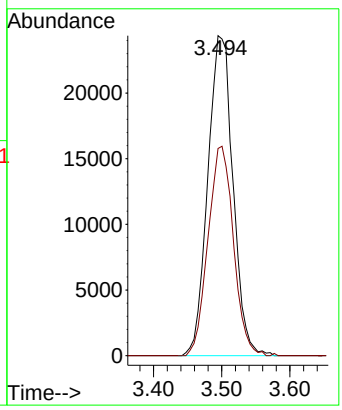


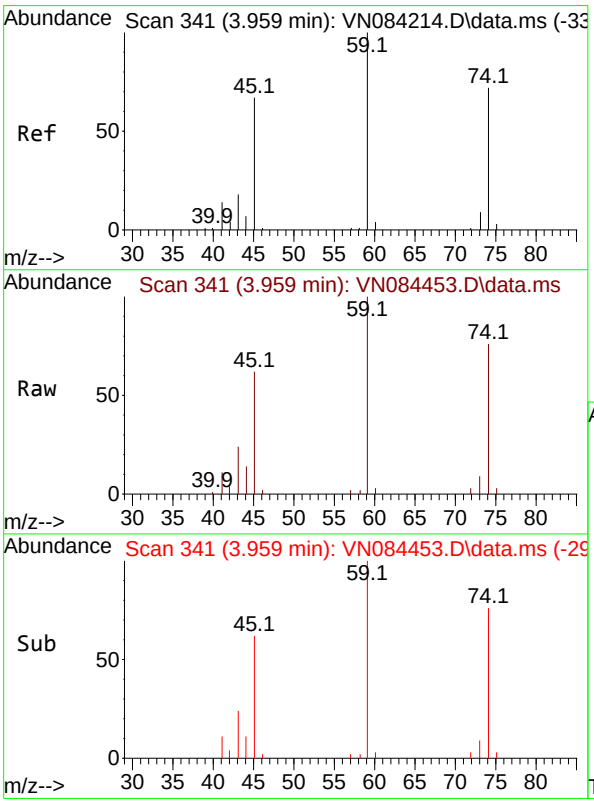
#7
Trichlorofluoromethane
Concen: 17.298 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:101 Resp: 62625

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.6

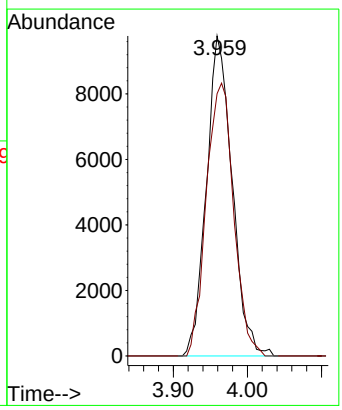


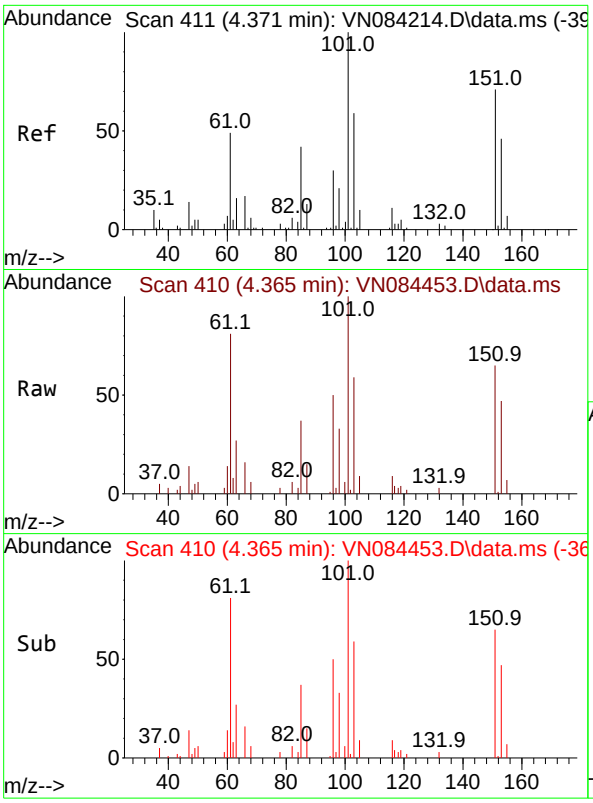


#8
Diethyl Ether
Concen: 17.547 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 74 Resp: 23561

Ion	Ratio	Lower	Upper
74	100		
45	90.7	47.7	143.1



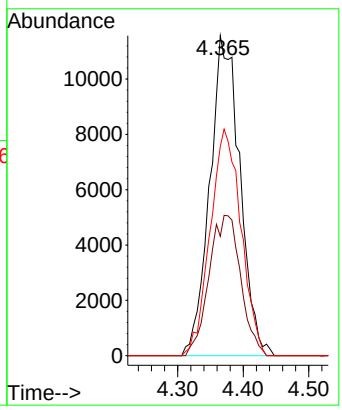


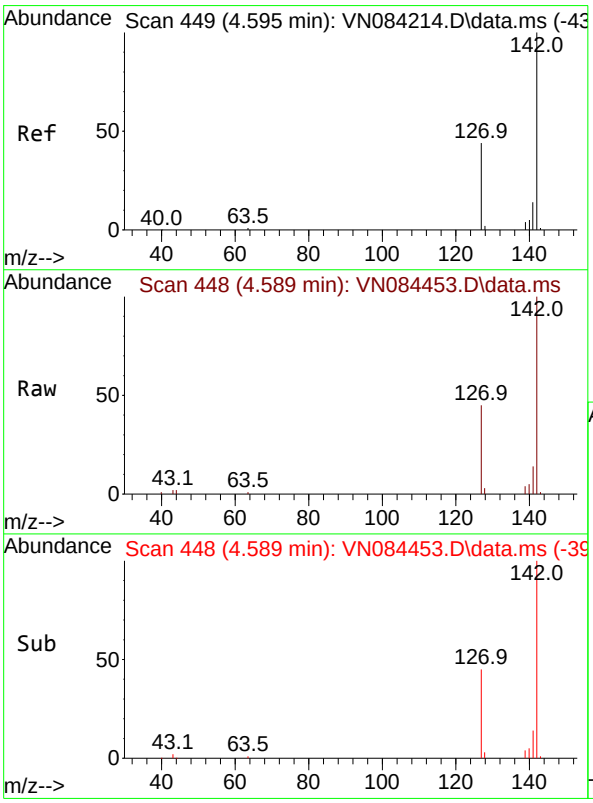
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.769 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:101 Resp: 36860

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	72.4	59.3	88.9

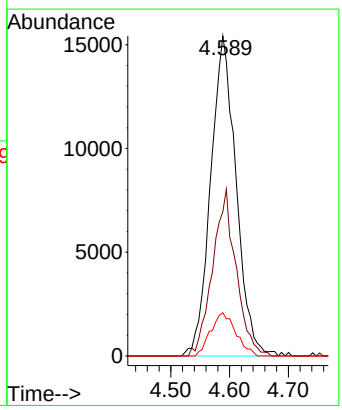


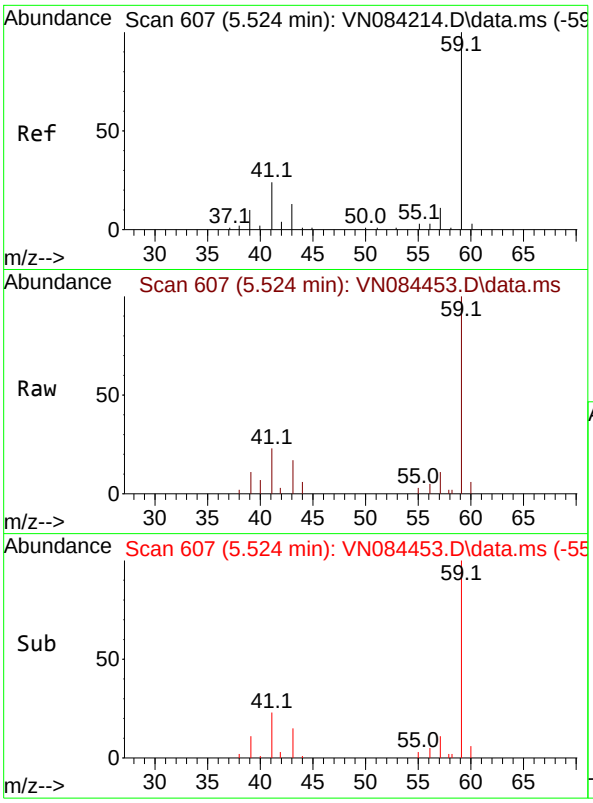


#10
Methyl Iodide
Concen: 17.346 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:142 Resp: 46339

Ion	Ratio	Lower	Upper
142	100		
127	45.1	35.3	52.9
141	13.5	11.0	16.6



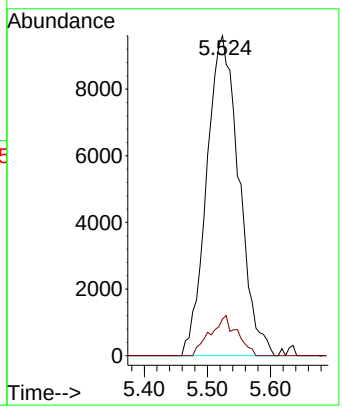


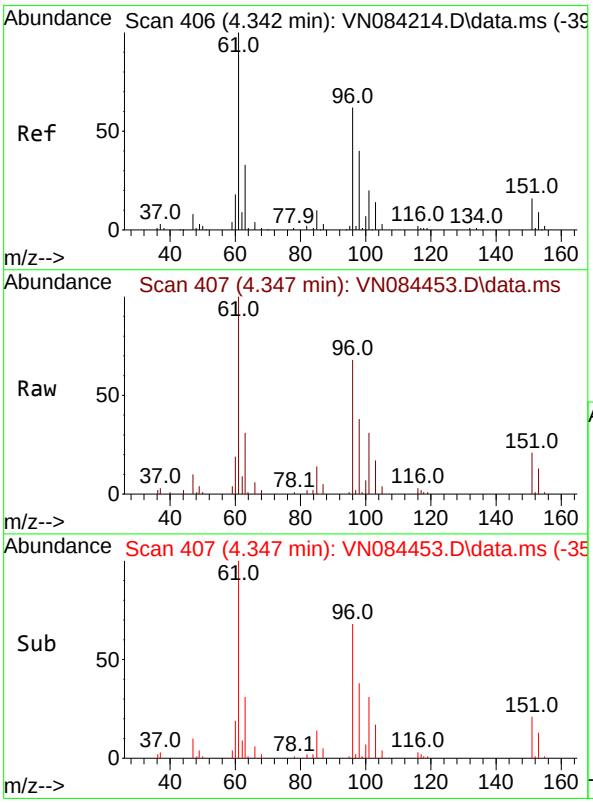
#11
Tert butyl alcohol
Concen: 78.574 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 59 Resp: 34138

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

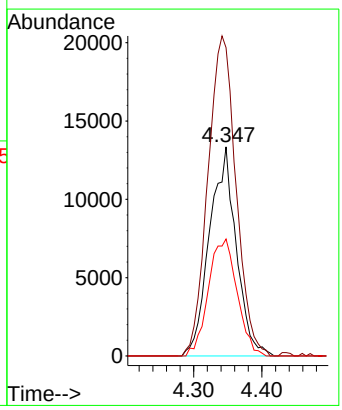


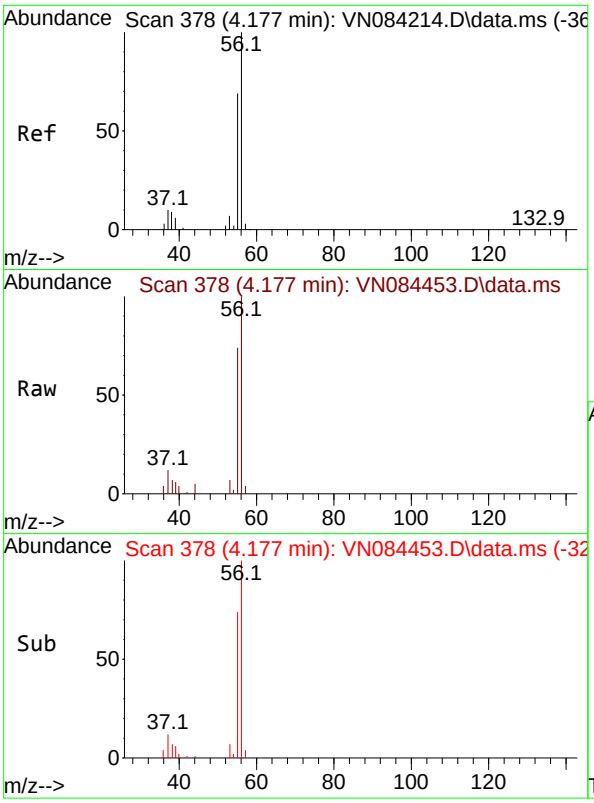


#12
1,1-Dichloroethene
Concen: 18.169 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 96 Resp: 36354

Ion	Ratio	Lower	Upper
96	100		
61	147.5	128.6	192.8
98	55.9	51.7	77.5



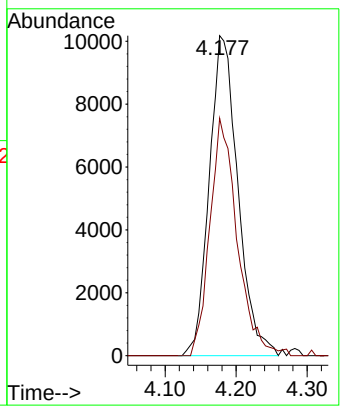


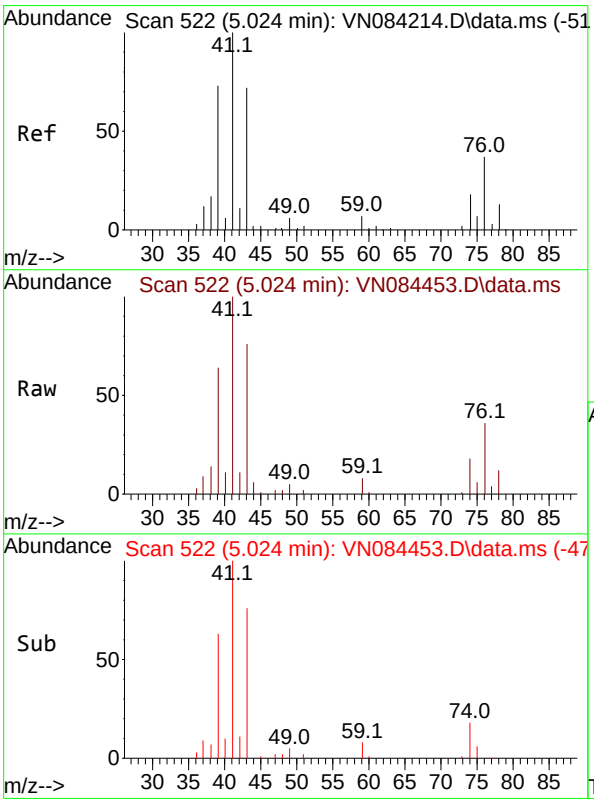
#13
Acrolein
Concen: 57.125 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 56 Resp: 28493

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8

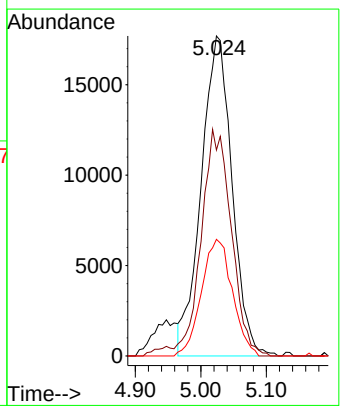


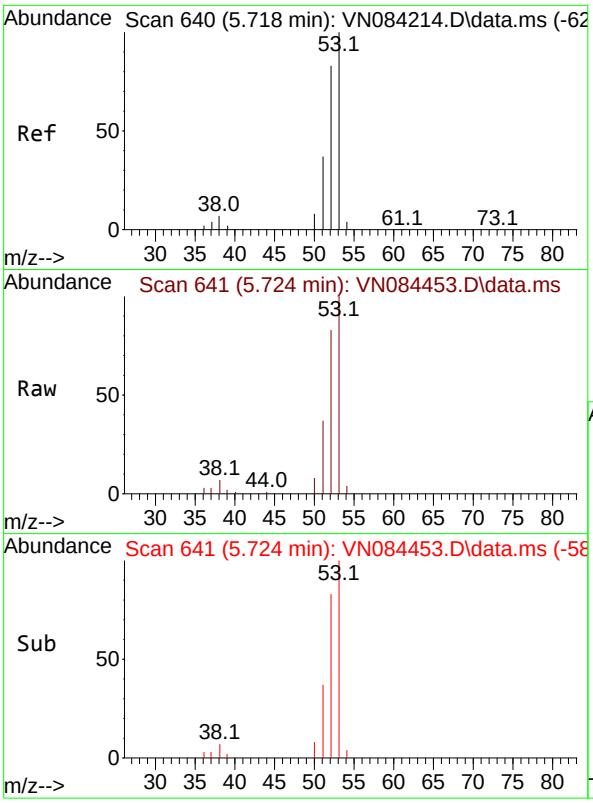


#14
Allyl chloride
Concen: 16.660 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 41 Resp: 57894

Ion	Ratio	Lower	Upper
41	100		
39	68.7	59.0	88.6
76	36.5	29.8	44.6



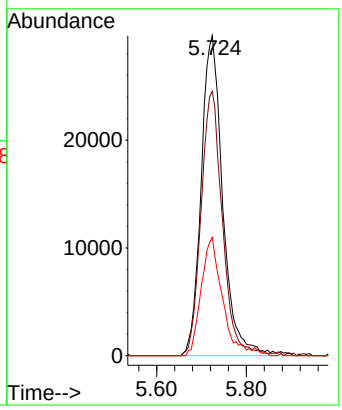


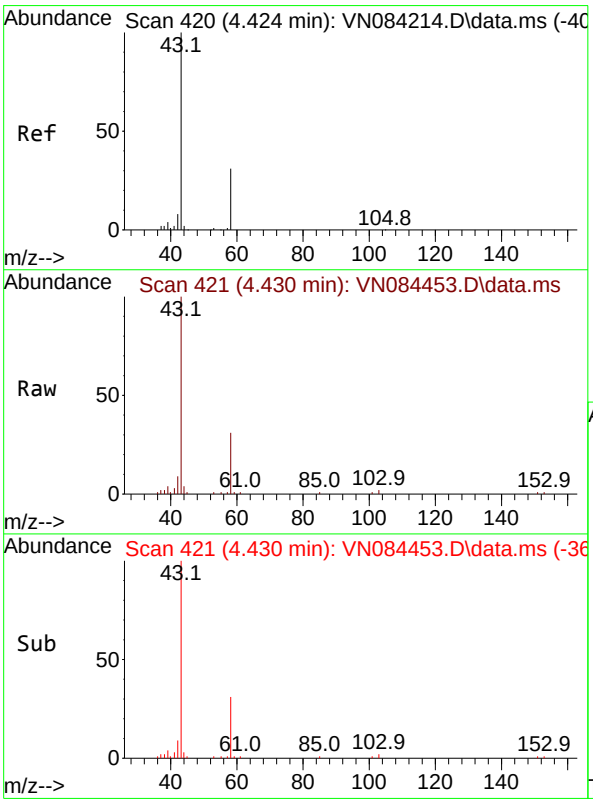
#15
Acrylonitrile
Concen: 90.281 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 53 Resp: 99053

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	36.0	28.8	43.2

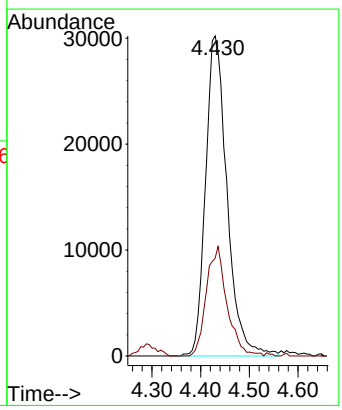


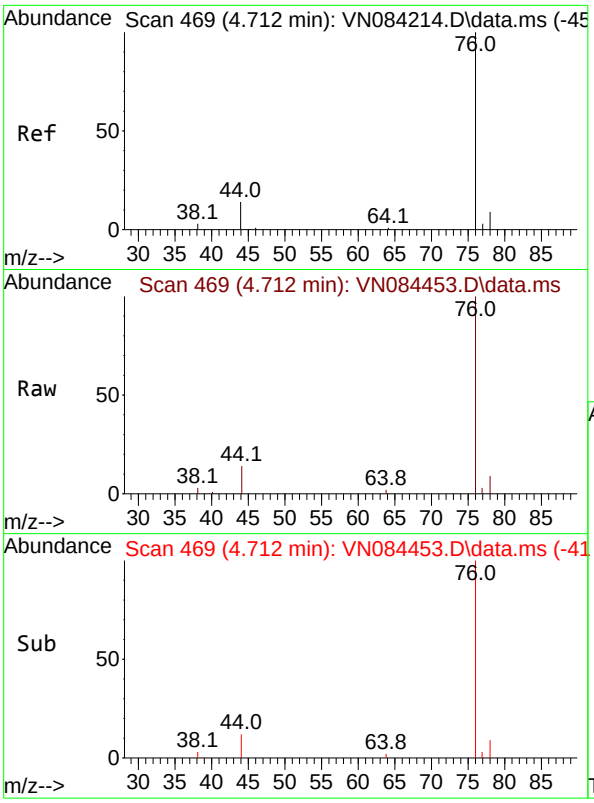


#16
Acetone
Concen: 81.724 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 92502

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6



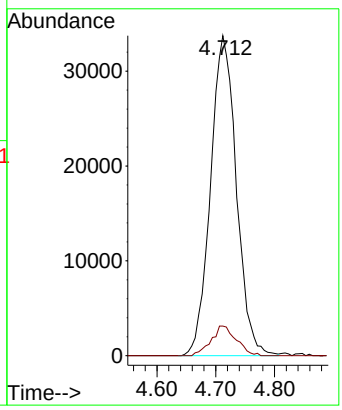


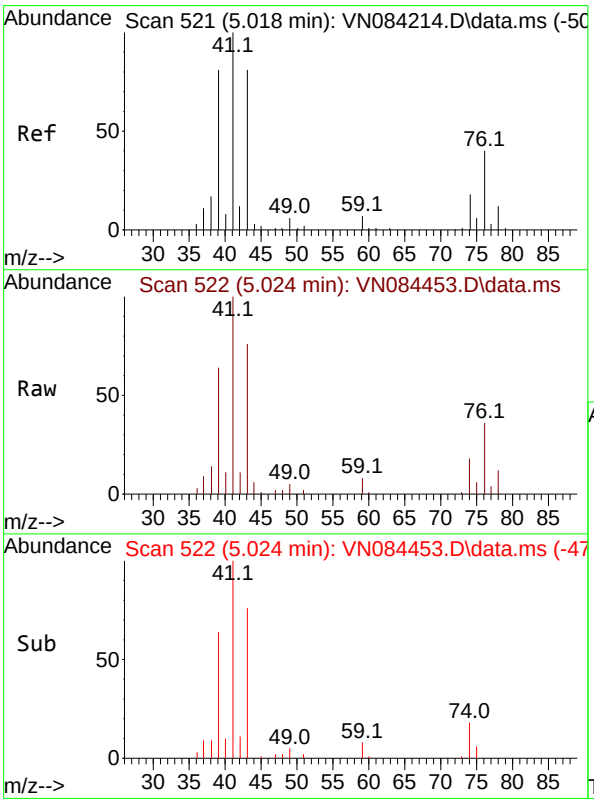
#17
Carbon Disulfide
Concen: 16.268 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 76 Resp: 103059

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

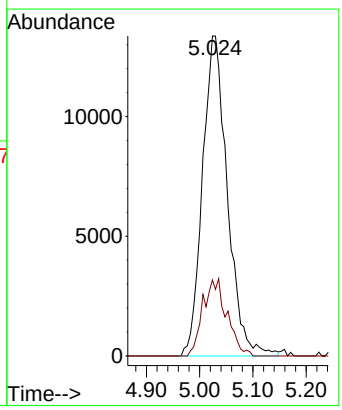


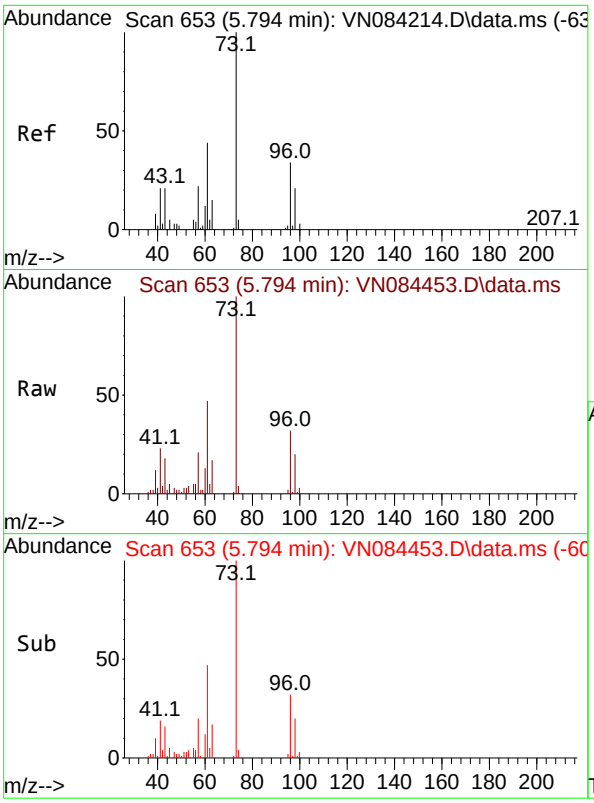


#18
Methyl Acetate
Concen: 17.561 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 43324

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8



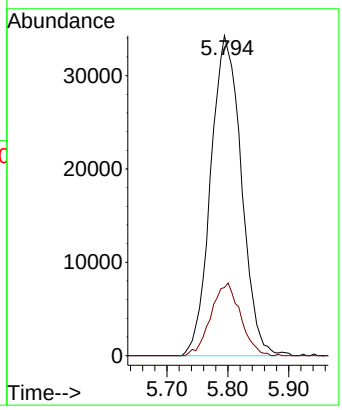


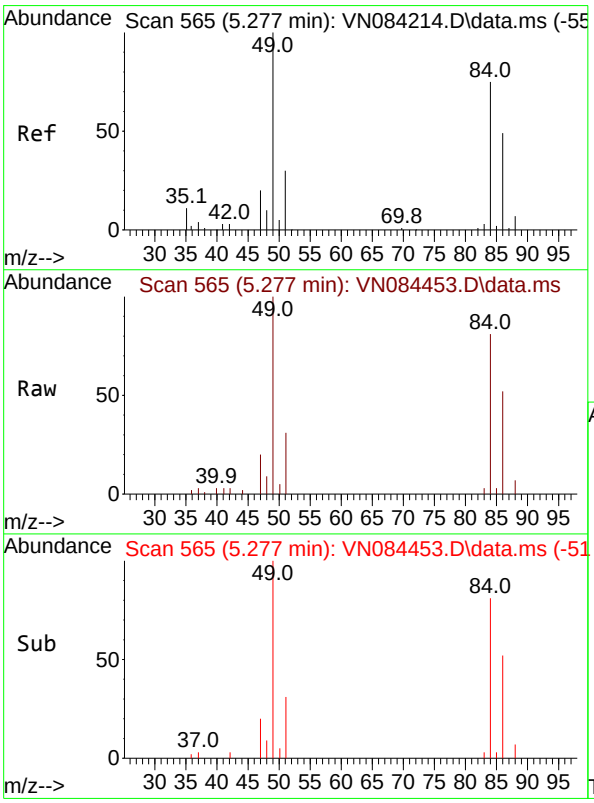
#19
Methyl tert-butyl Ether
Concen: 17.704 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 73 Resp: 119560

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5

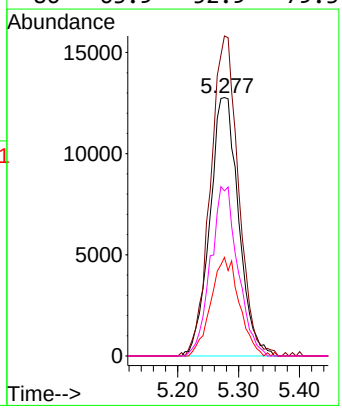


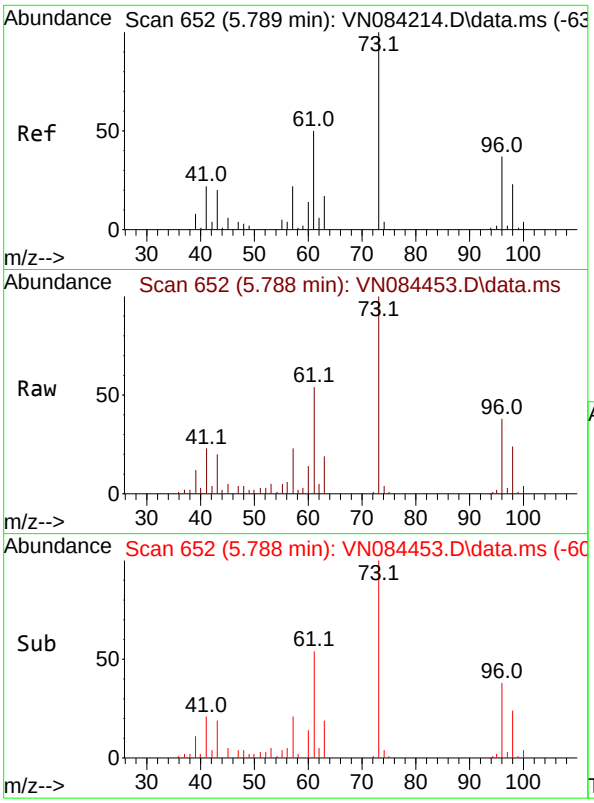


#20
Methylene Chloride
Concen: 18.242 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 84 Resp: 41973

Ion	Ratio	Lower	Upper
84	100		
49	123.8	107.2	160.8
51	38.1	31.8	47.8
86	63.9	52.9	79.3



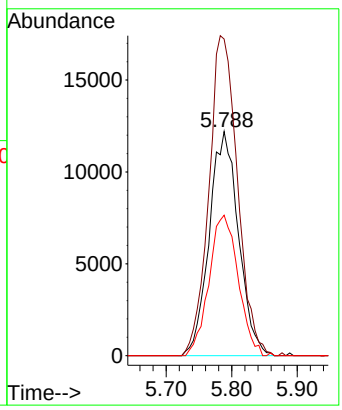


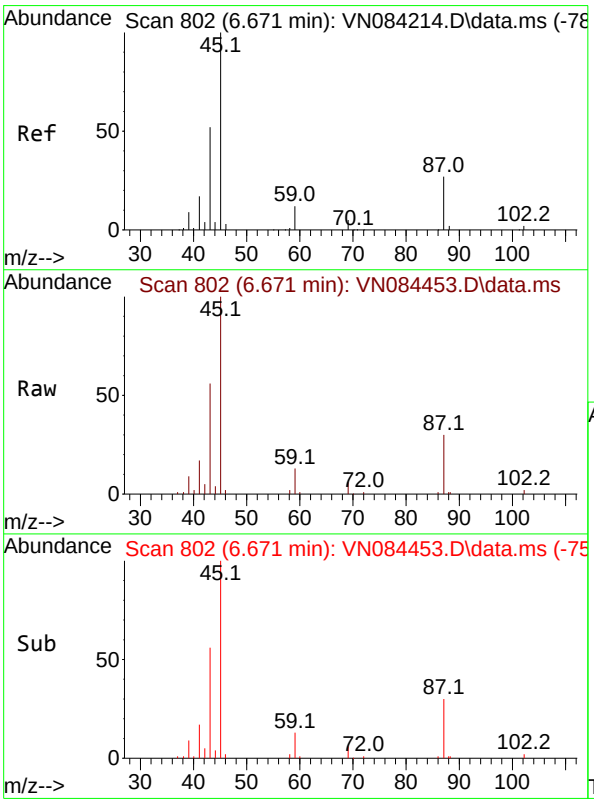
#21
trans-1,2-Dichloroethene
Concen: 18.009 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 96 Resp: 37752

Ion	Ratio	Lower	Upper
96	100		
61	141.3	108.4	162.6
98	62.7	49.8	74.8

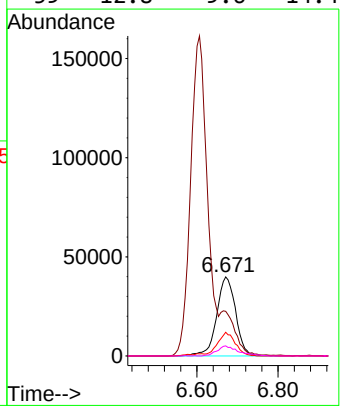


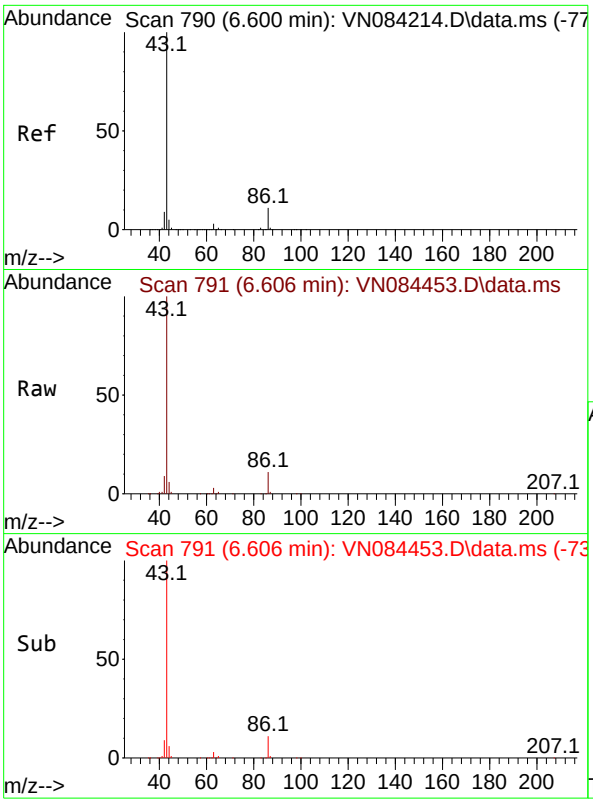


#22
Diisopropyl ether
Concen: 18.037 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 45 Resp: 129644

Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.3	63.5
87	29.9	21.8	32.6
59	12.8	9.6	14.4



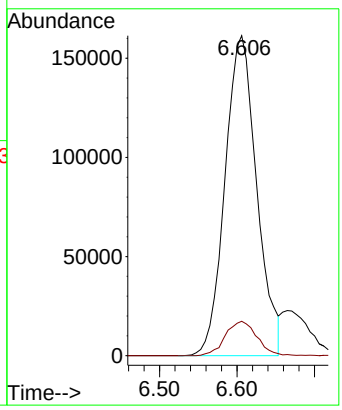


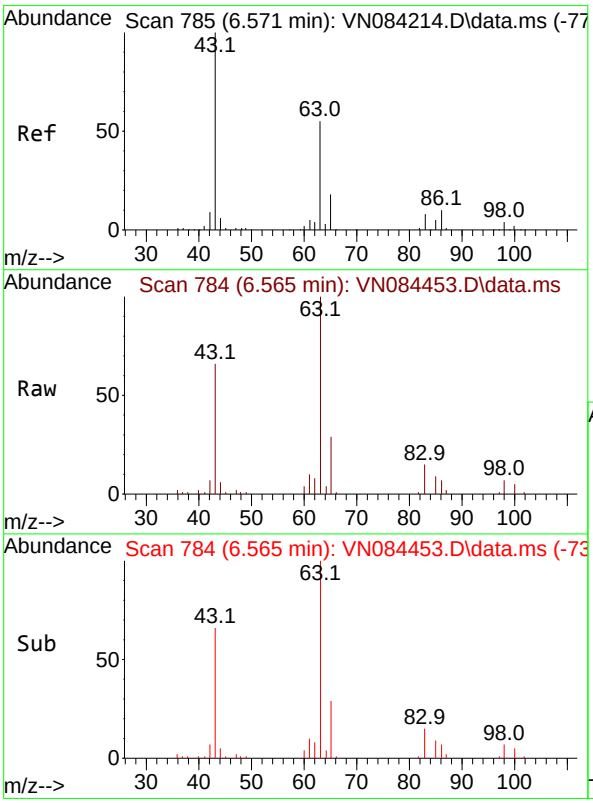
#23
Vinyl Acetate
Concen: 86.325 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 460216

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

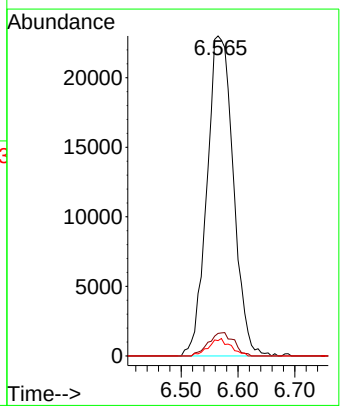


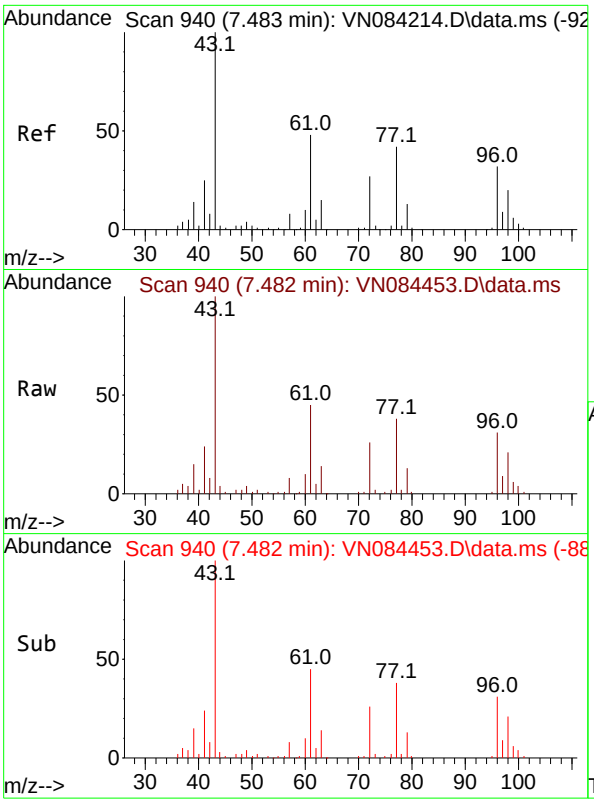


#24
1,1-Dichloroethane
Concen: 18.487 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 63 Resp: 74312

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.8	2.0	5.8



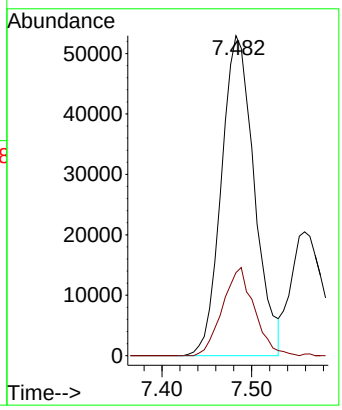


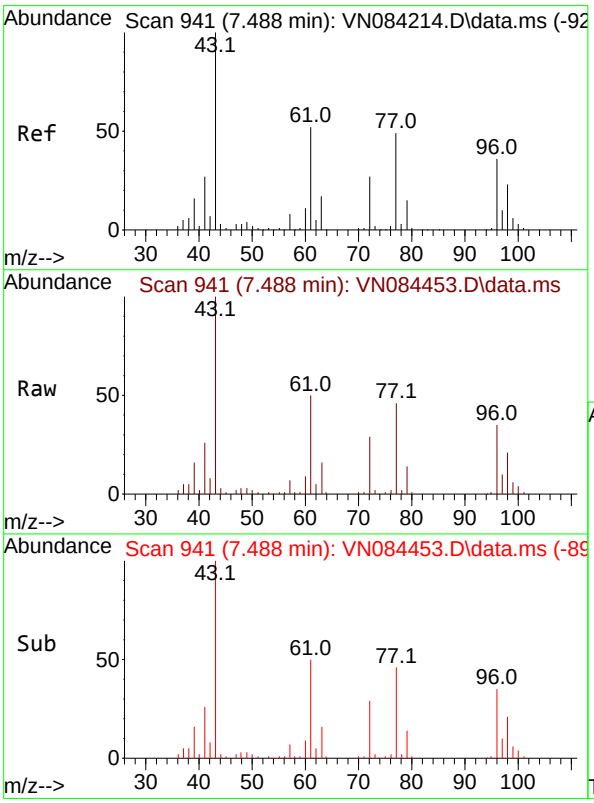
#25
2-Butanone
Concen: 87.552 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 134974

Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.2

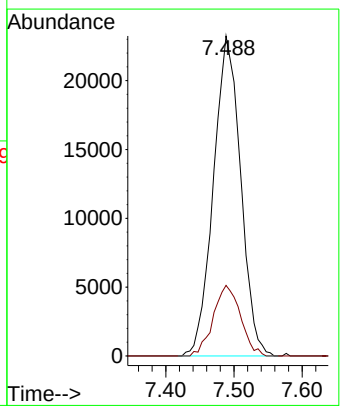


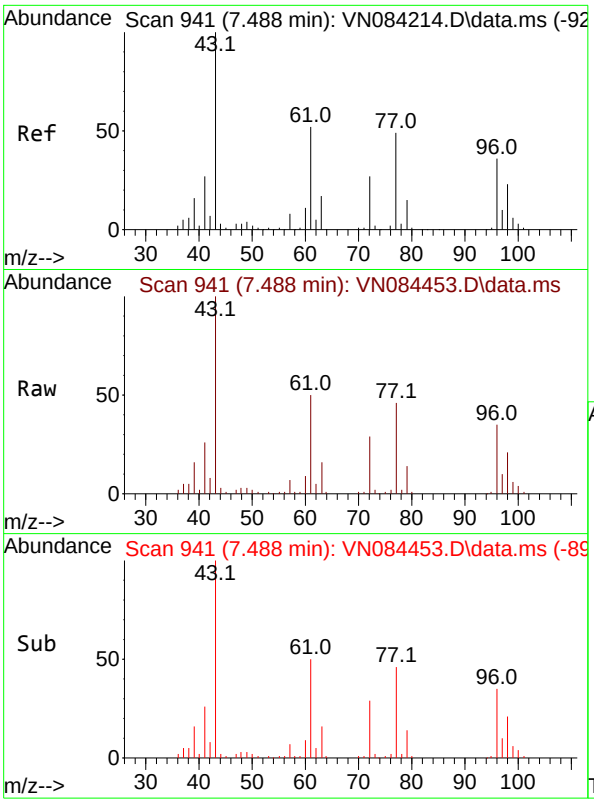


#26
2,2-Dichloropropane
Concen: 17.819 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 77 Resp: 64580

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



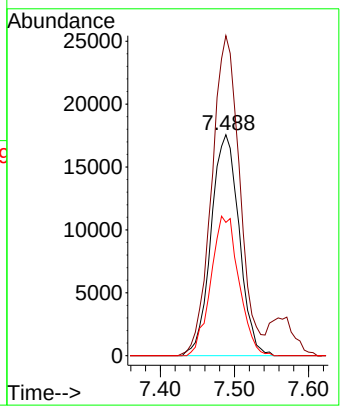


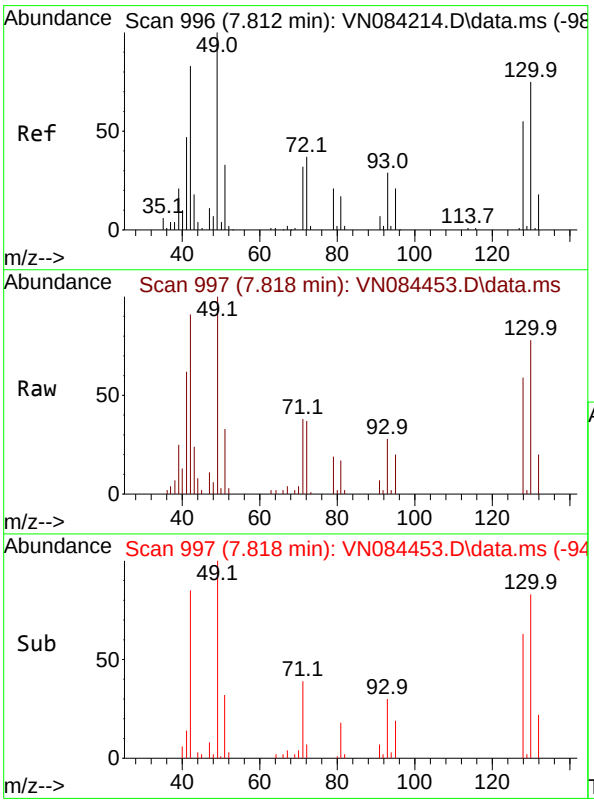
#27
cis-1,2-Dichloroethene
Concen: 18.239 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 96 Resp: 46201

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	301.8
98	63.3	0.0	128.2

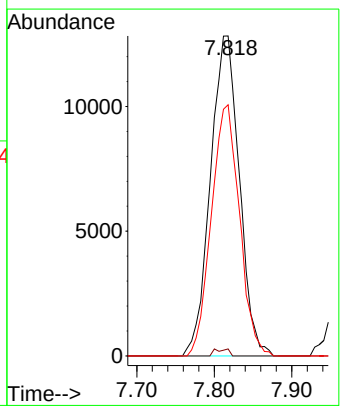


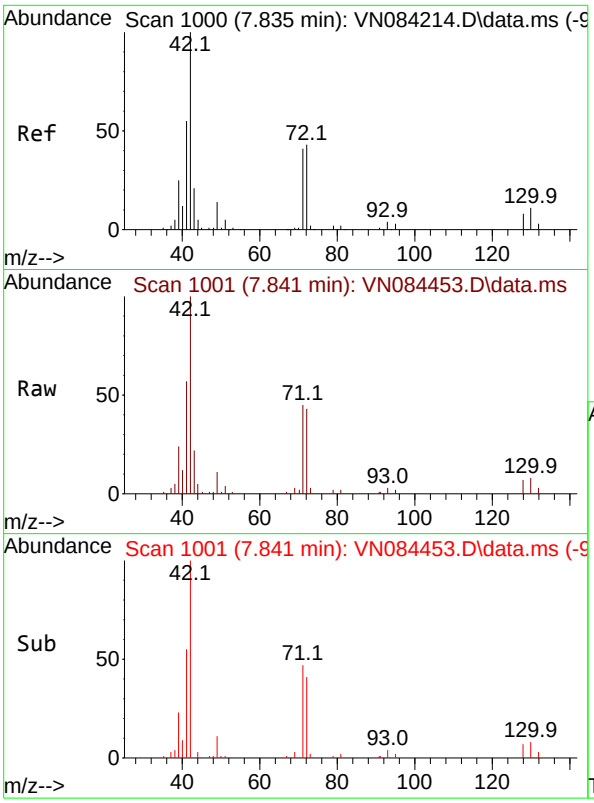


#28
Bromochloromethane
Concen: 18.553 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 49 Resp: 33275

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.6
130	76.4	58.0	87.0



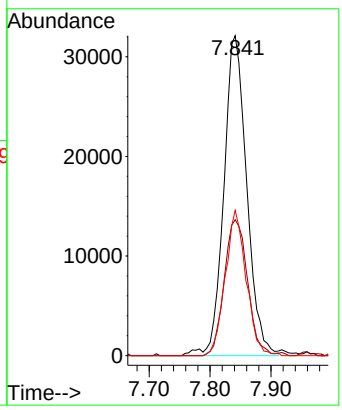


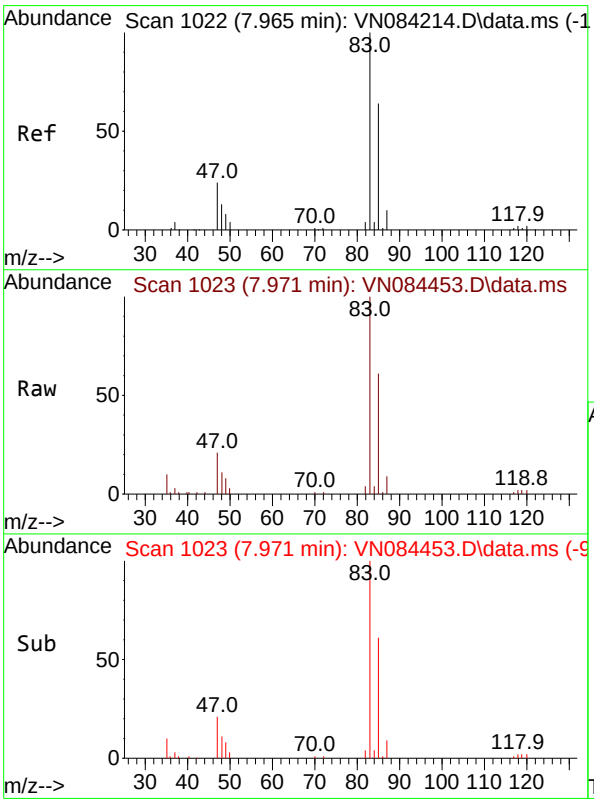
#29
Tetrahydrofuran
Concen: 88.450 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 42 Resp: 84149

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.6	51.8
71	41.6	32.2	48.4

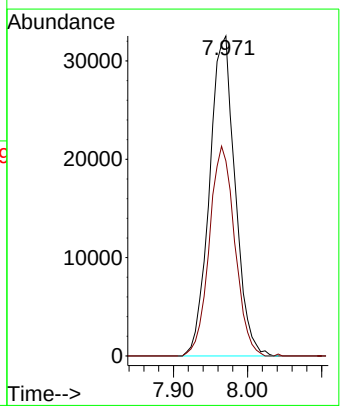


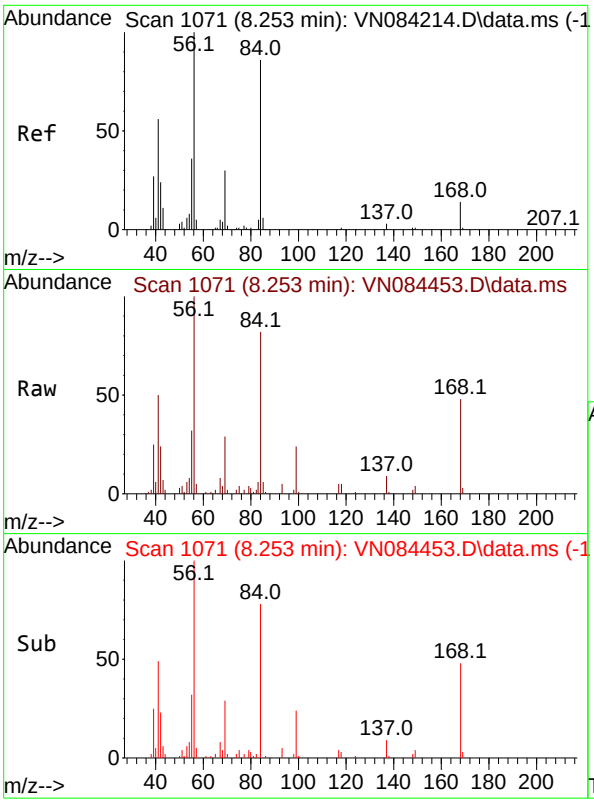


#30
Chloroform
Concen: 18.699 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 83 Resp: 78076

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.4



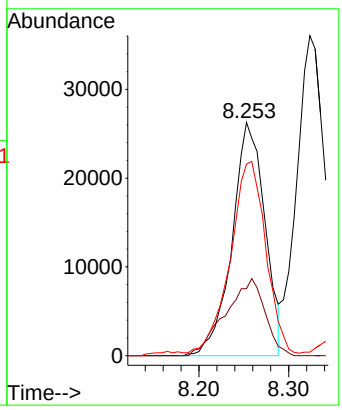


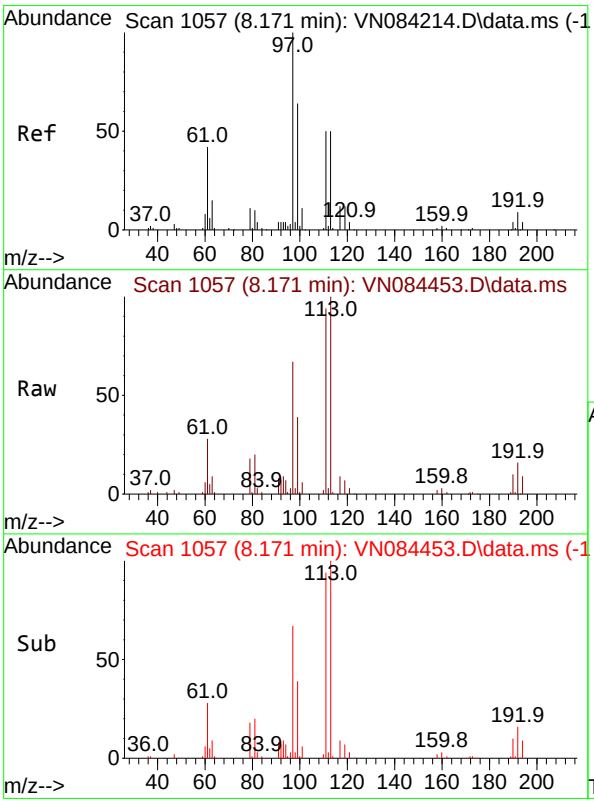
#31
Cyclohexane
Concen: 17.108 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 56 Resp: 66769

Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.8	35.6
84	80.5	68.8	103.2

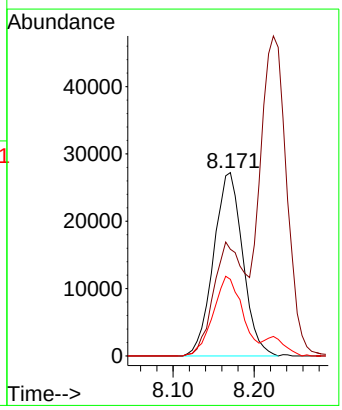


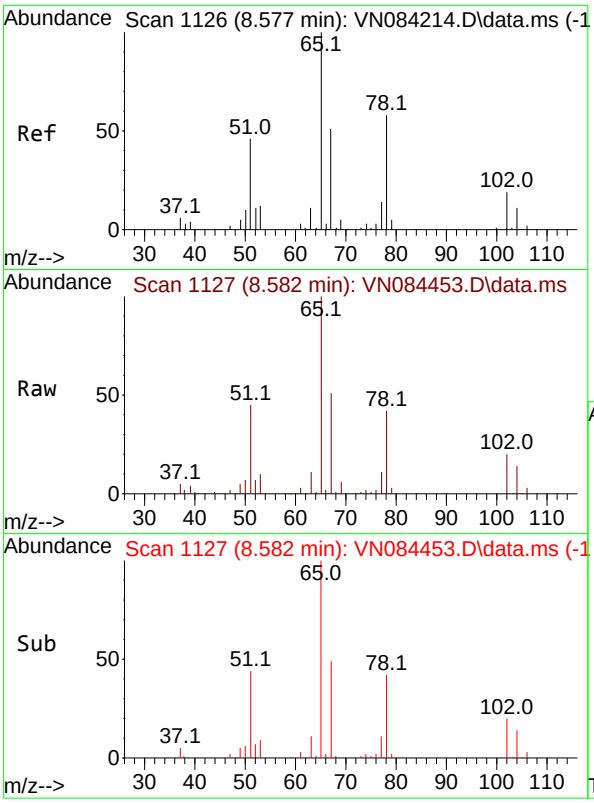


#32
1,1,1-Trichloroethane
Concen: 18.156 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 97 Resp: 68084

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	43.8	37.5	56.3



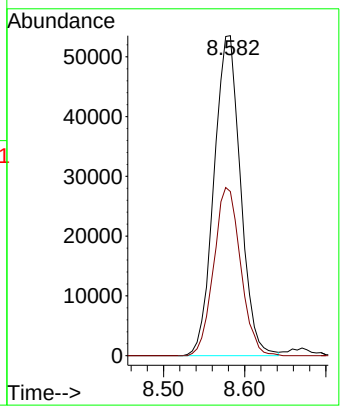


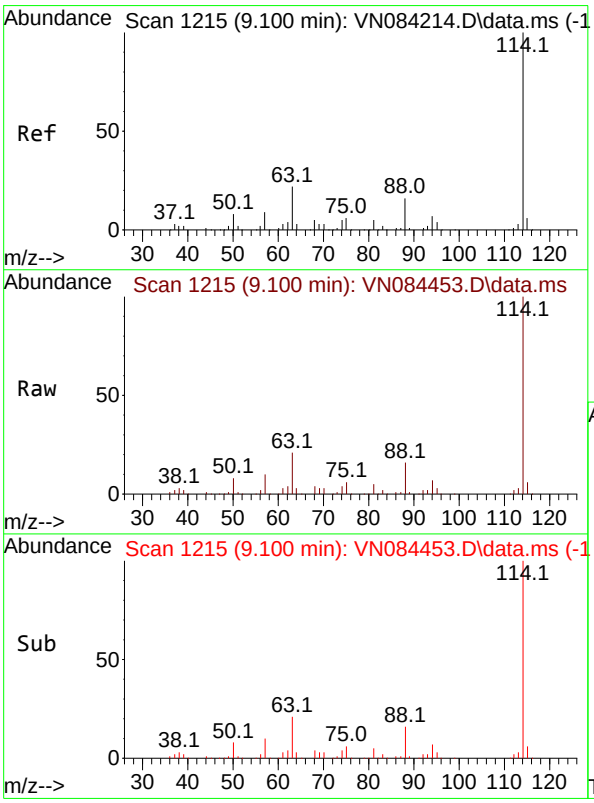
#33
1,2-Dichloroethane-d4
Concen: 46.161 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 65 Resp: 121628

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	102.0

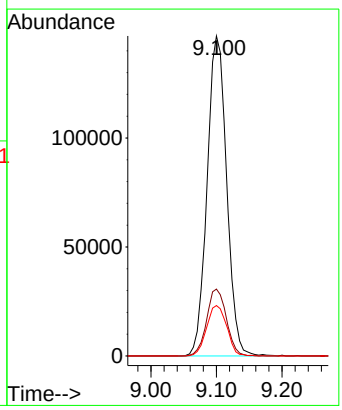


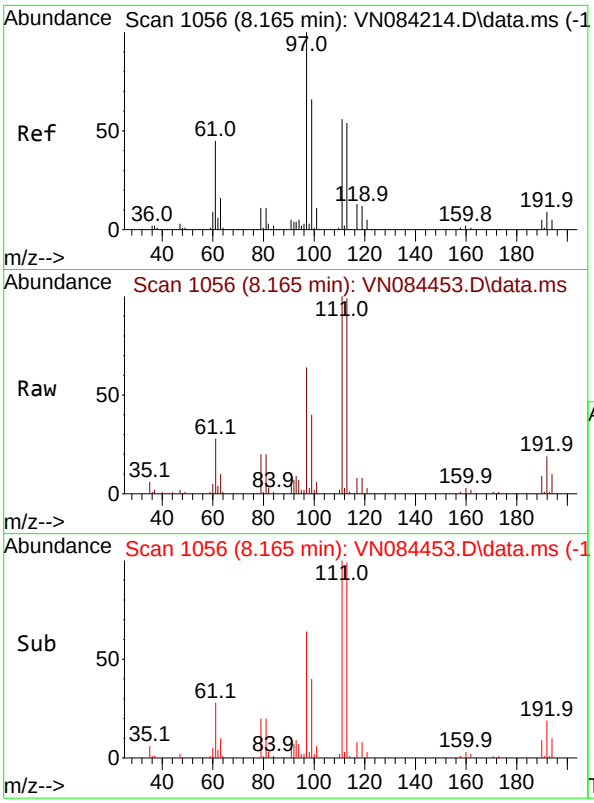


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:114 Resp: 304170

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	15.7	0.0	31.6



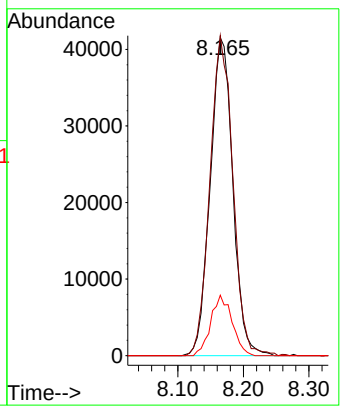


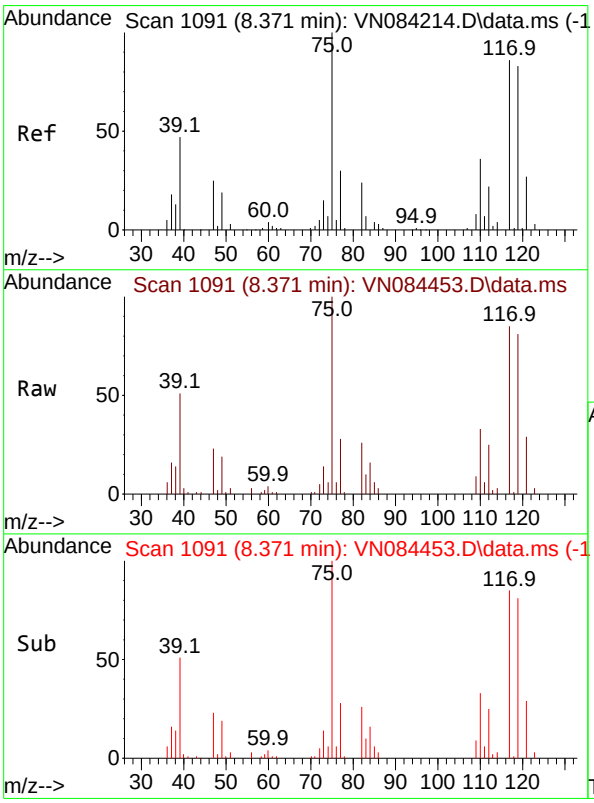
#35
Dibromofluoromethane
Concen: 49.544 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:113 Resp: 99350

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	18.0	13.5	20.3

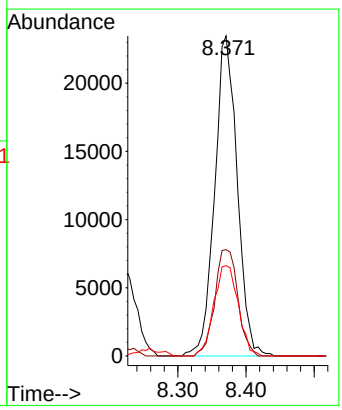


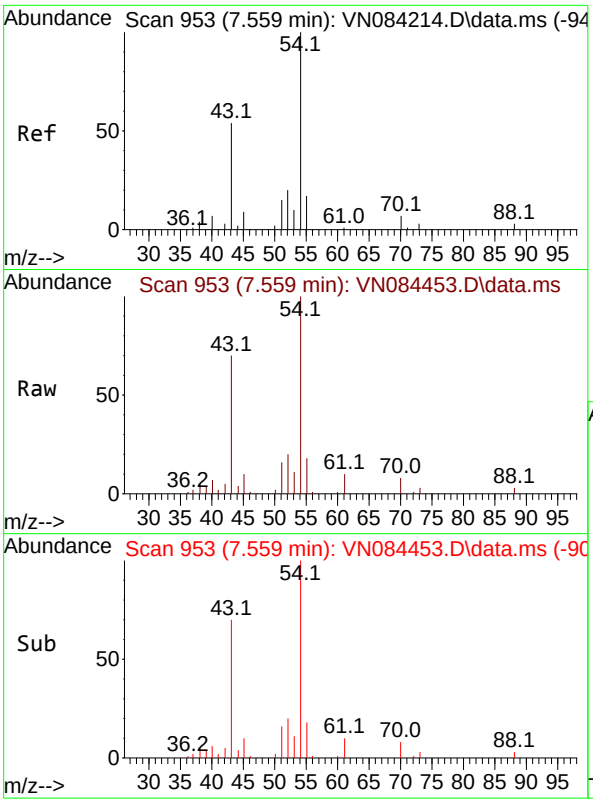


#36
1,1-Dichloropropene
Concen: 18.511 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 53919

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.5	24.7	37.1



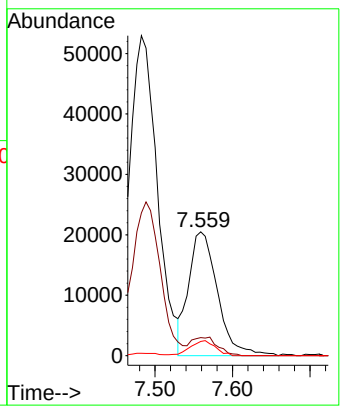


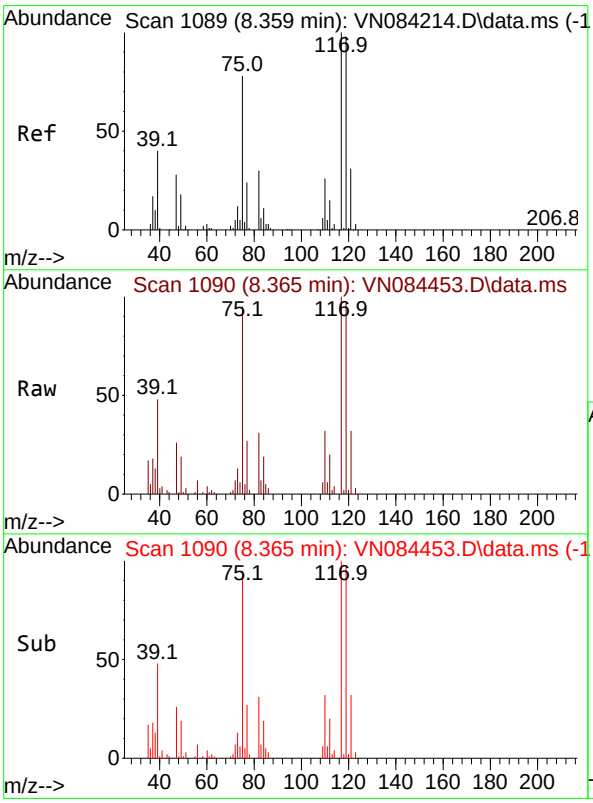
#37
Ethyl Acetate
Concen: 17.779 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 53127

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.5	8.8	13.2

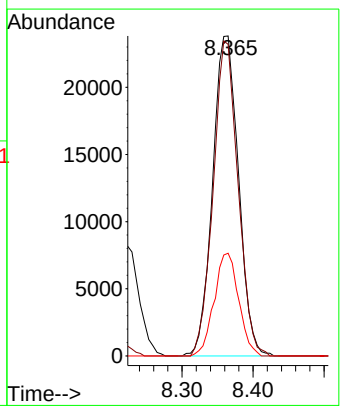


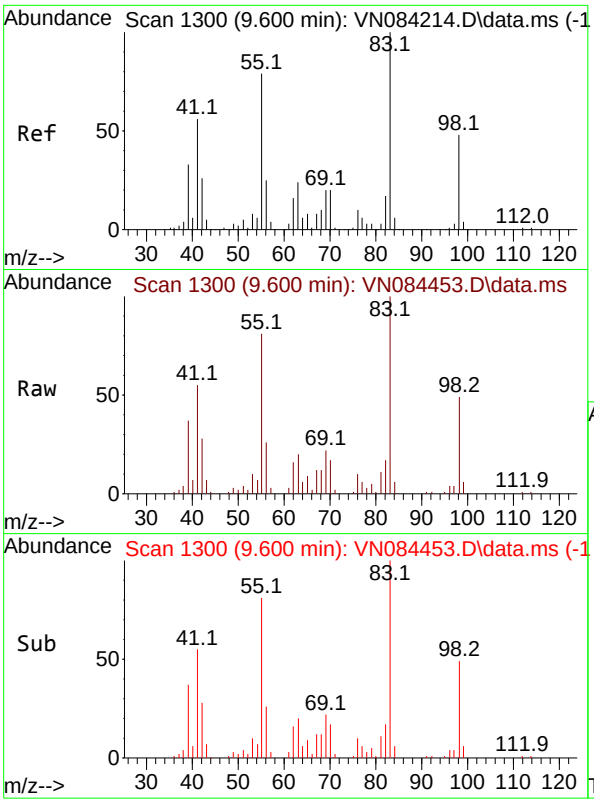


#38
Carbon Tetrachloride
Concen: 18.813 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:117 Resp: 60111

Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.7	118.1
121	32.1	24.4	36.6



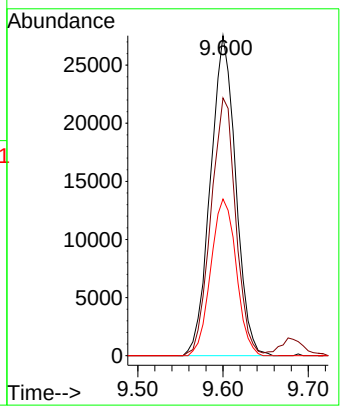


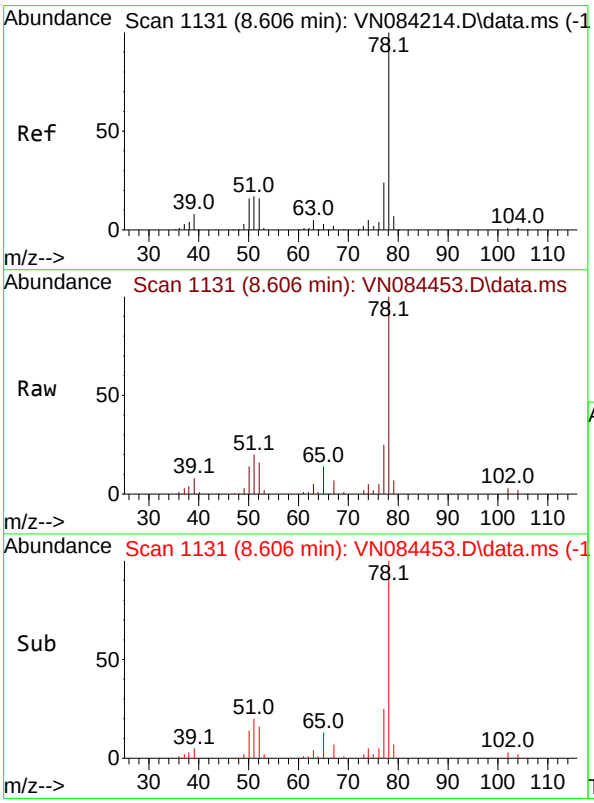
#39
Methylcyclohexane
Concen: 17.499 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 83 Resp: 56729

Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.8	94.2
98	49.0	38.8	58.2

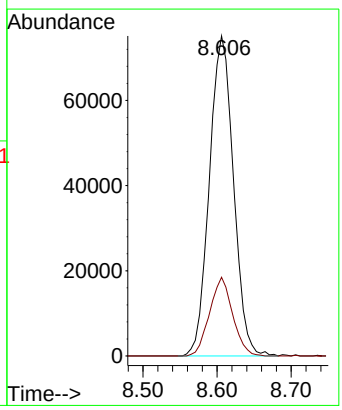


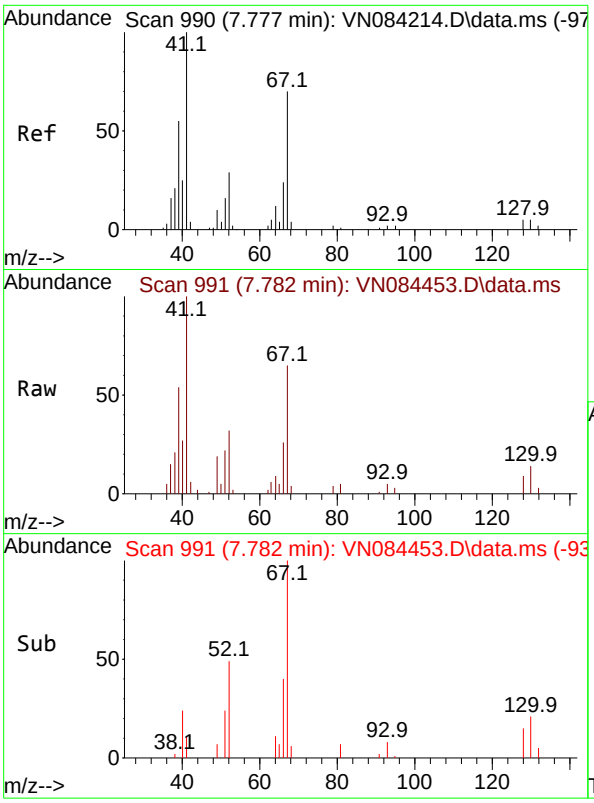


#40
Benzene
Concen: 18.699 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 78 Resp: 169698

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7



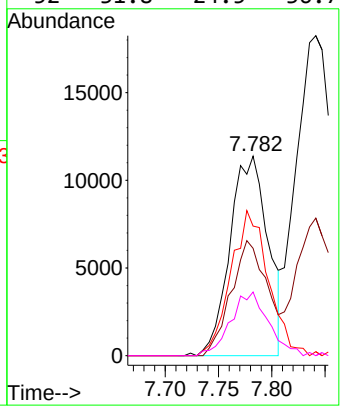


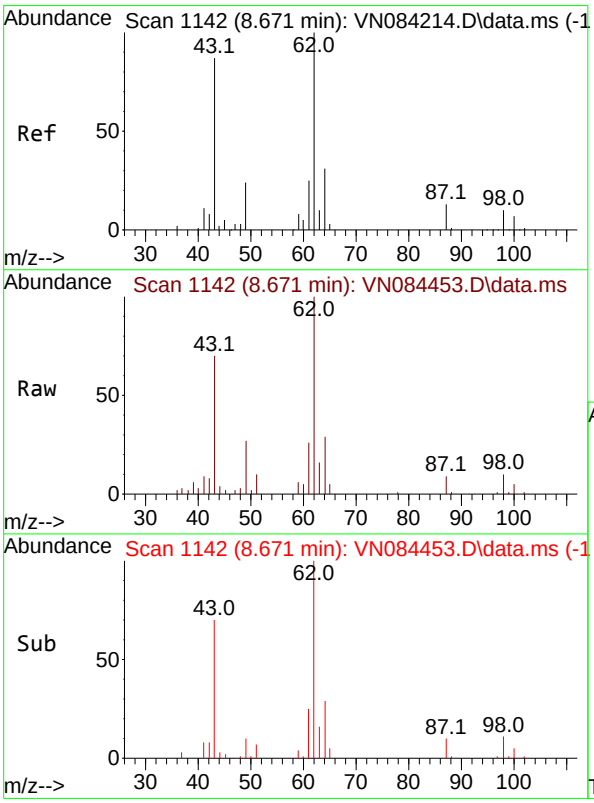
#41
Methacrylonitrile
Concen: 17.450 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 41 Resp: 28308

Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.3	64.9
67	72.3	56.1	84.1
52	31.8	24.5	36.7

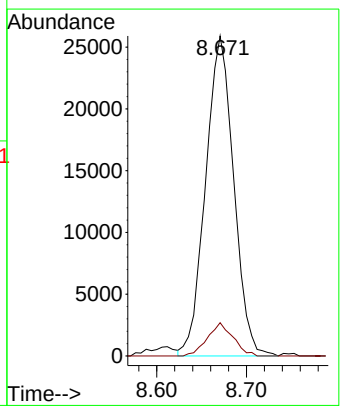


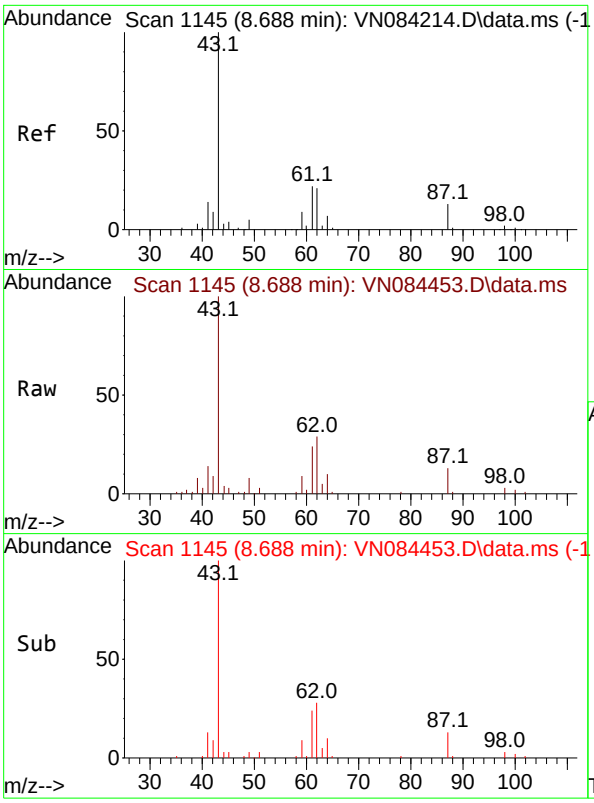


#42
1,2-Dichloroethane
Concen: 18.328 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 62 Resp: 56388

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



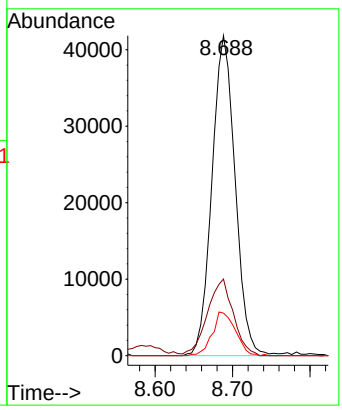


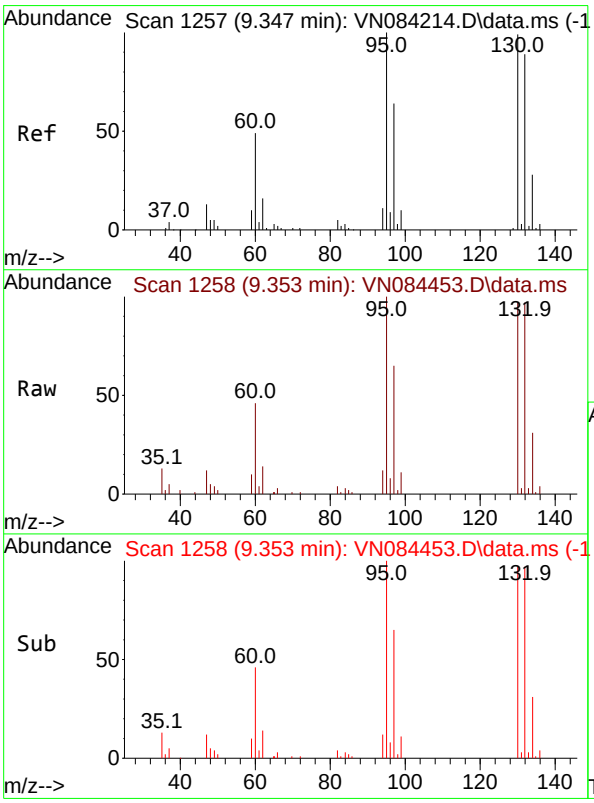
#43
Isopropyl Acetate
Concen: 14.897 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 87191

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.6	10.3	15.5

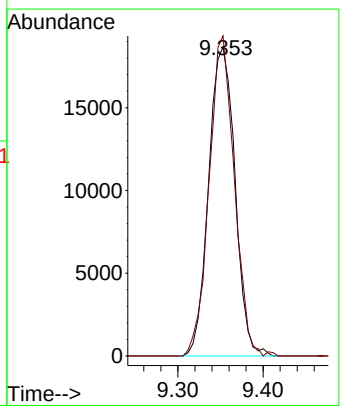


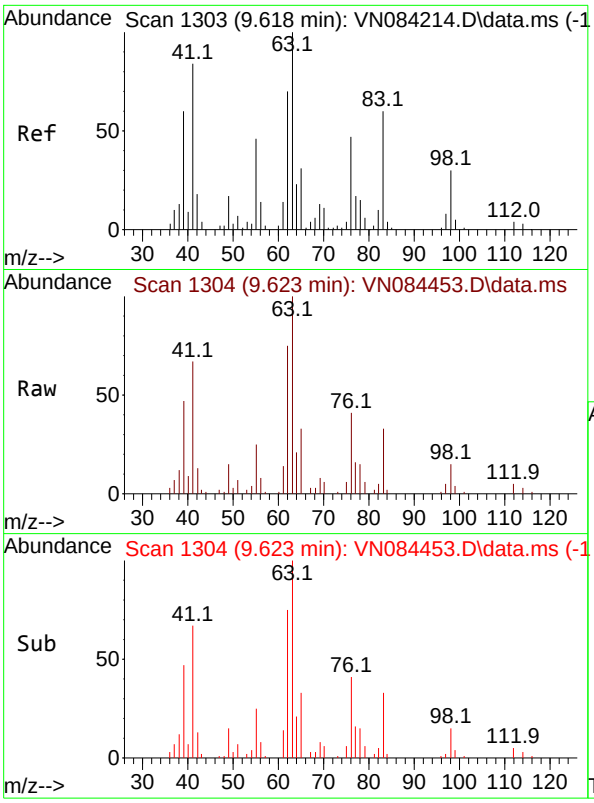


#44
Trichloroethene
Concen: 18.955 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:130 Resp: 40177

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	203.0



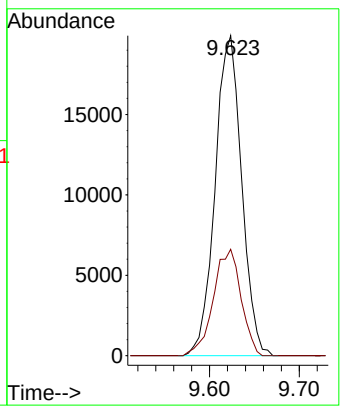


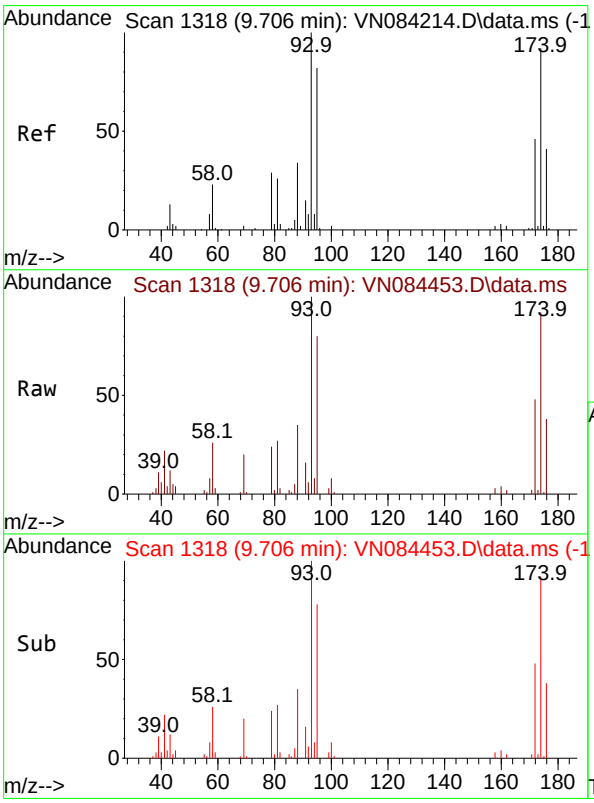
#45
1,2-Dichloropropane
Concen: 19.023 ug/l
RT: 9.623 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 63 Resp: 40840

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.6	37.0

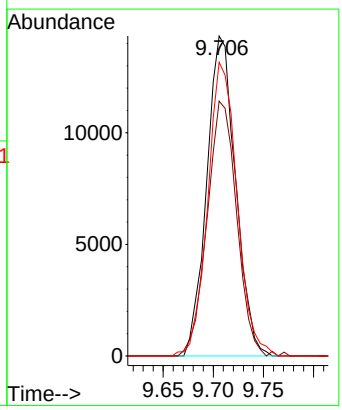


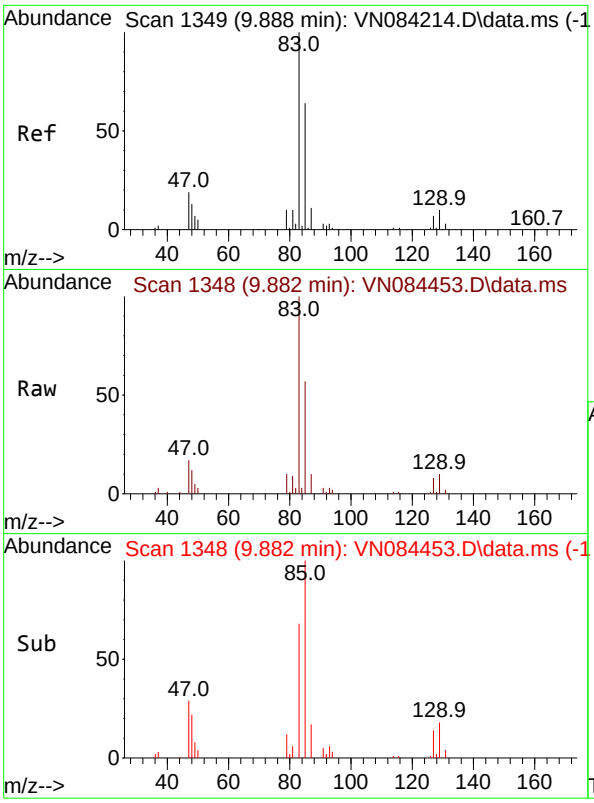


#46
Dibromomethane
Concen: 19.857 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 93 Resp: 28768

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	93.0	71.8	107.8



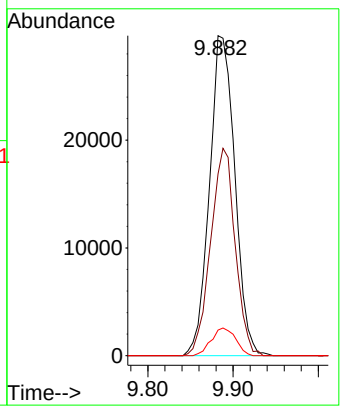


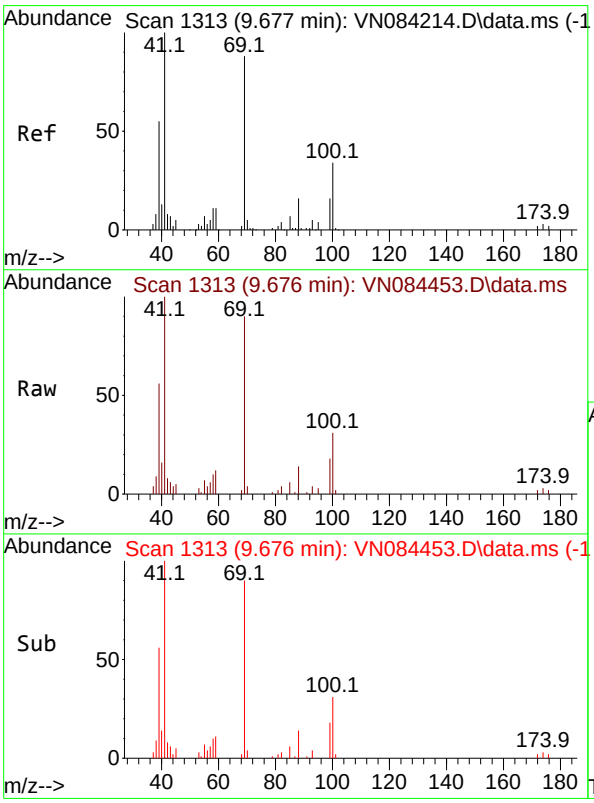
#47
Bromodichloromethane
Concen: 19.038 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 83 Resp: 61279

Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.5	77.3
127	8.0	5.7	8.5

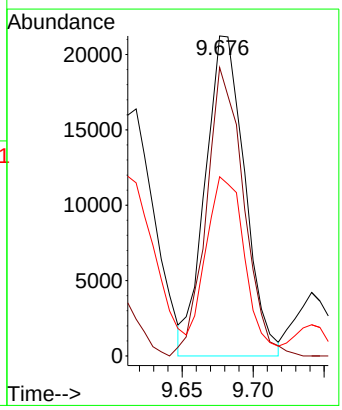


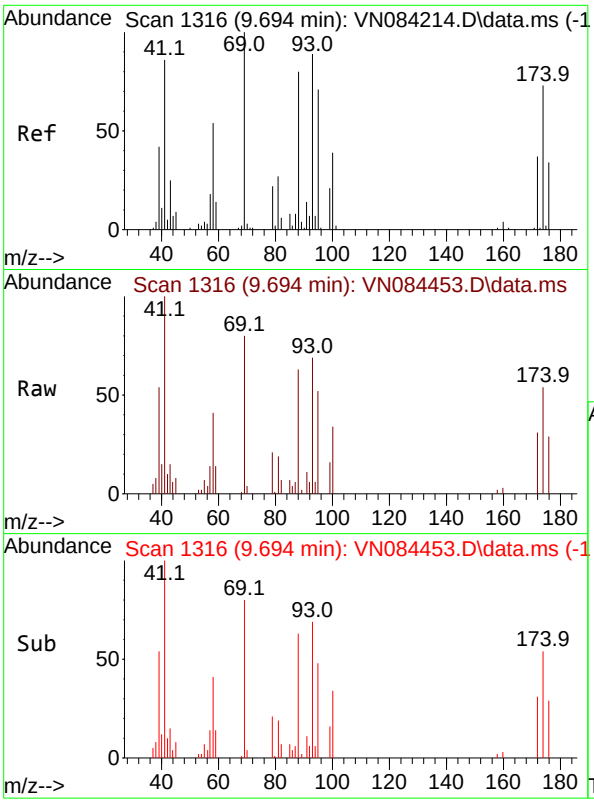


#48
Methyl methacrylate
Concen: 17.619 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 41 Resp: 41050

Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.1	100.7
39	55.6	45.8	68.6



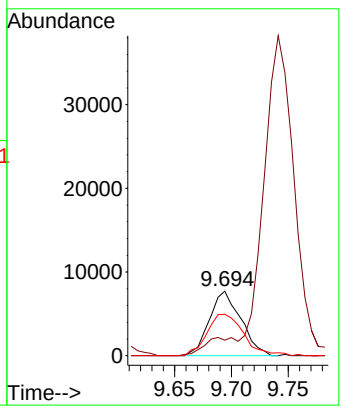


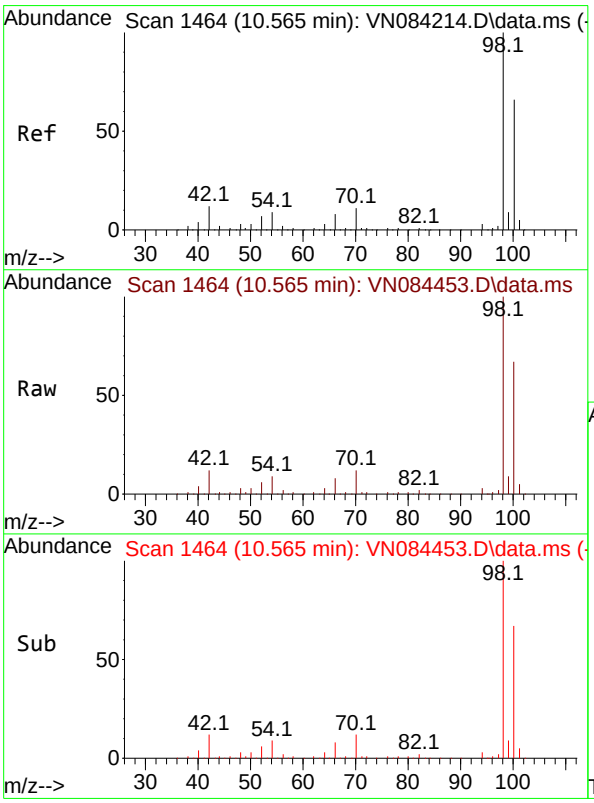
#49
1,4-Dioxane
Concen: 346.222 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 88 Resp: 14851

Ion	Ratio	Lower	Upper
88	100		
43	19.9	25.3	37.9#
58	75.1	56.4	84.6

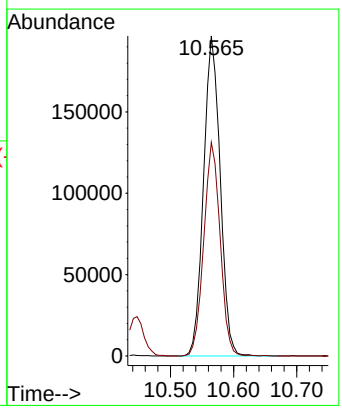


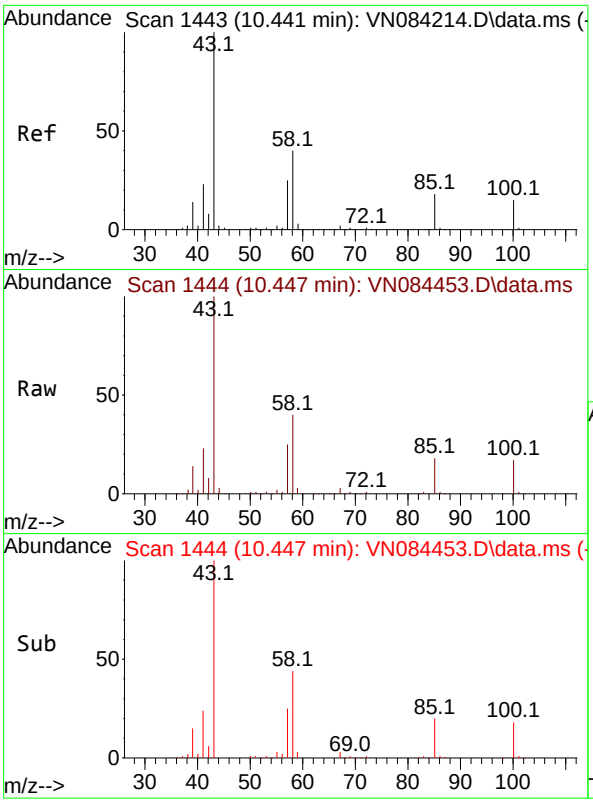


#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 98 Resp: 359697

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



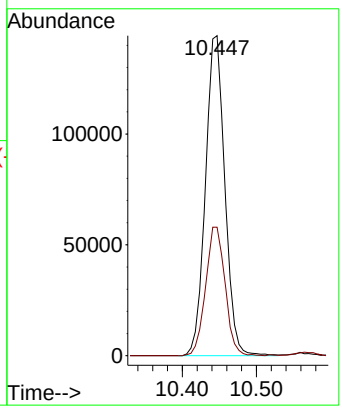


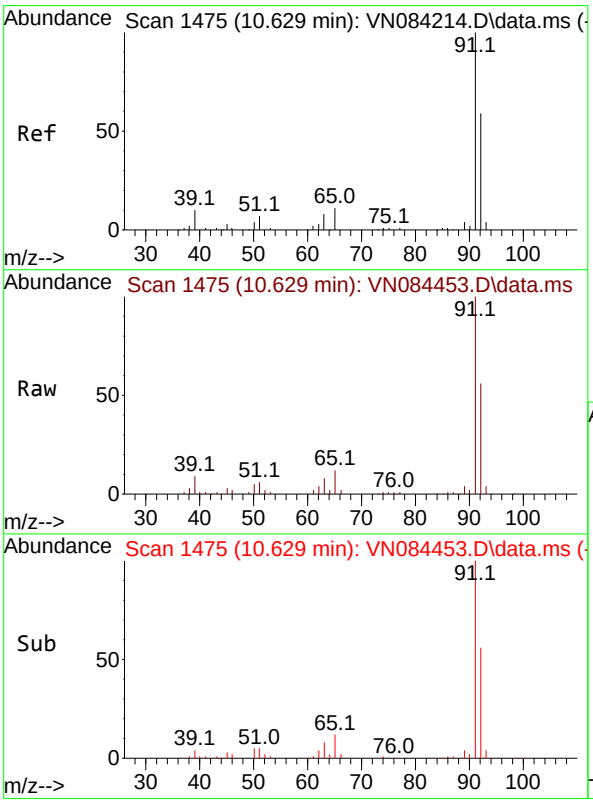
#51
4-Methyl-2-Pentanone
Concen: 92.172 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 262197

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

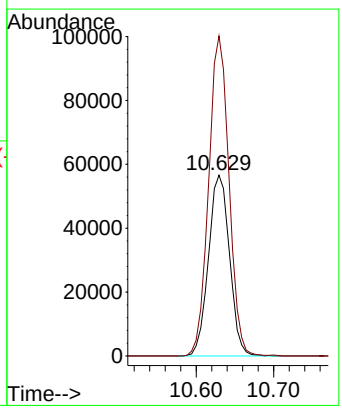


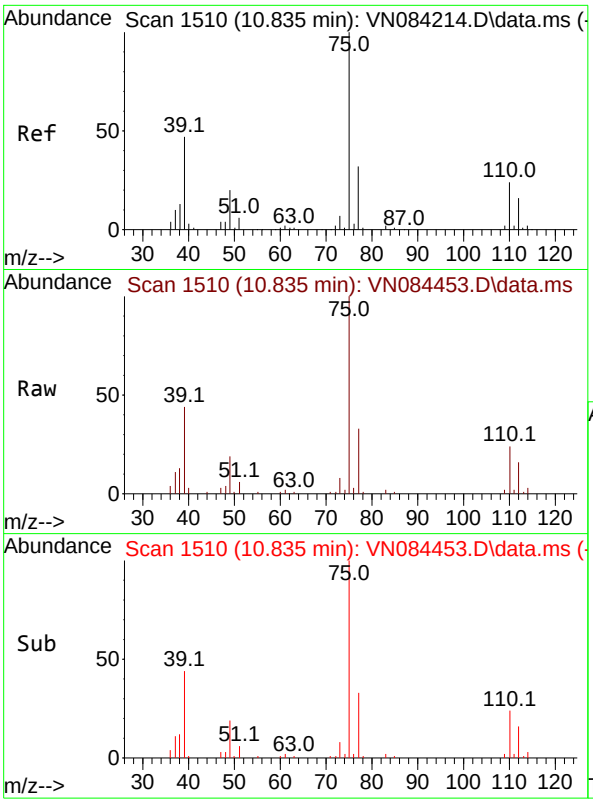


#52
Toluene
Concen: 19.246 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 92 Resp: 106505

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9



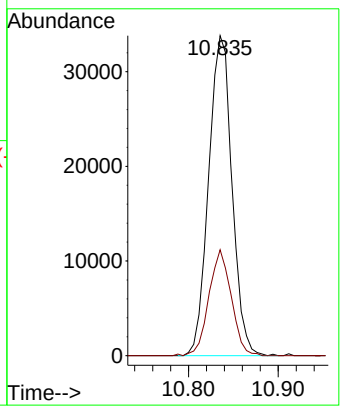


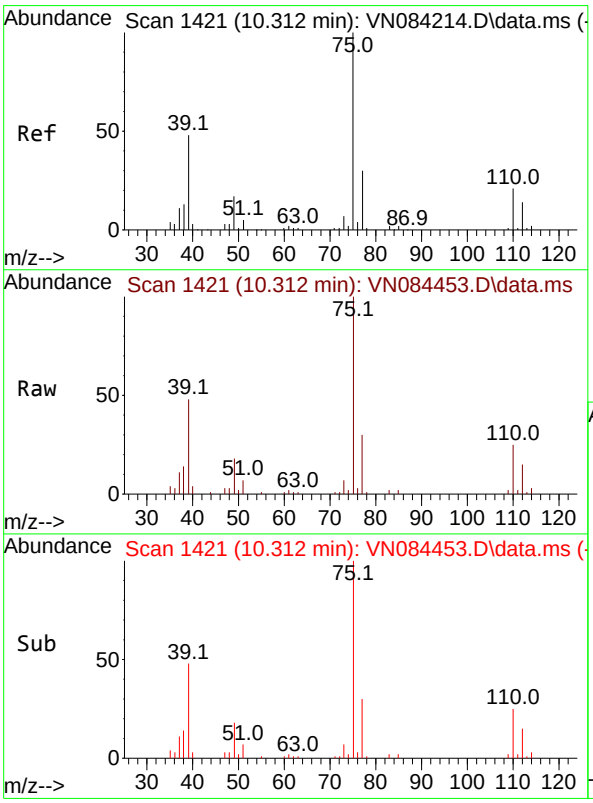
#53
t-1,3-Dichloropropene
Concen: 18.600 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 75 Resp: 61026

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.0

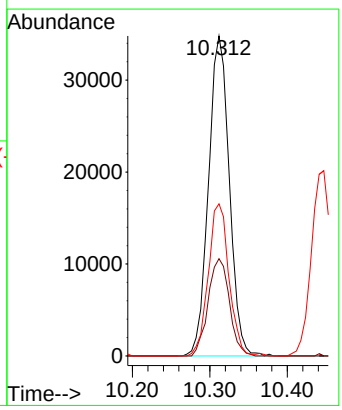


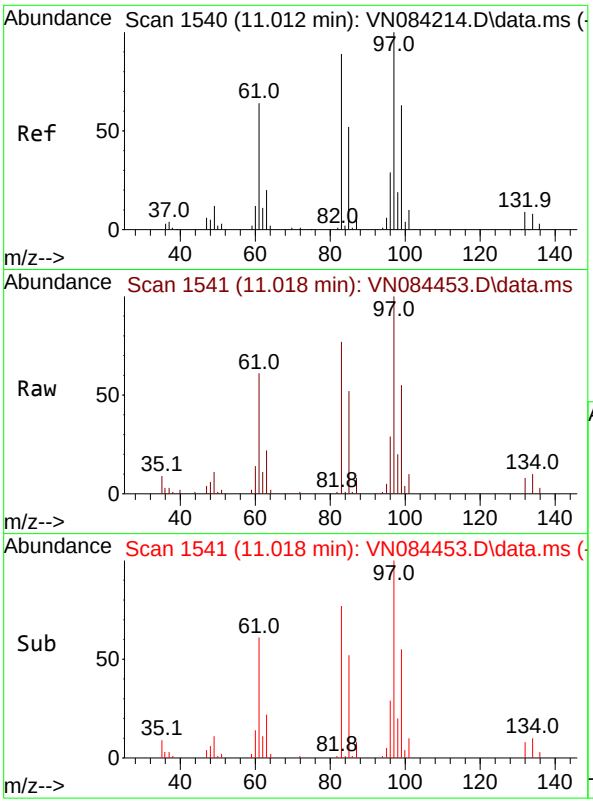


#54
cis-1,3-Dichloropropene
Concen: 18.392 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 64908

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	47.6	38.7	58.1



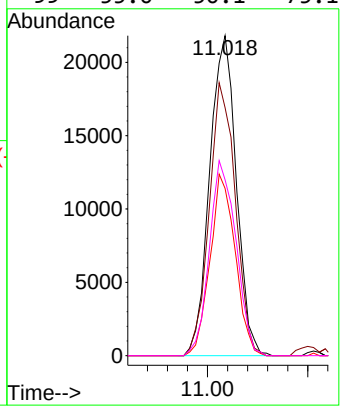


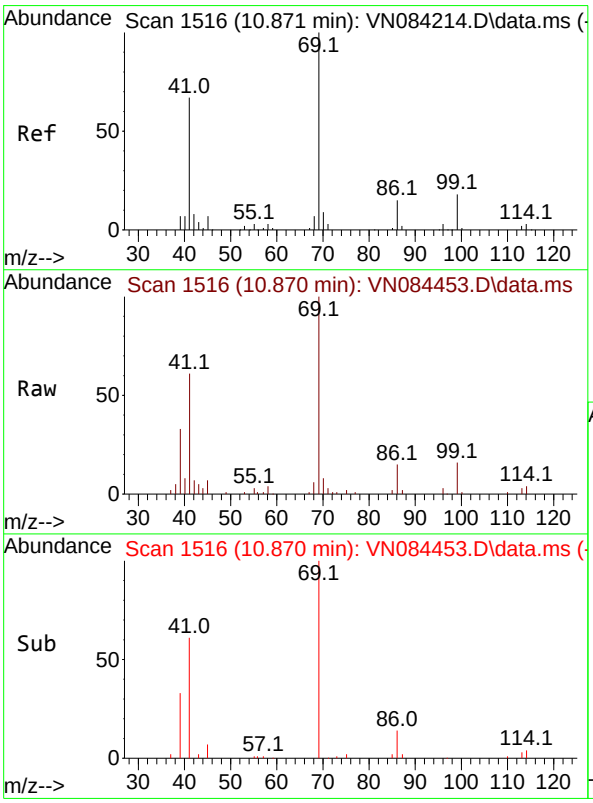
#55
1,1,2-Trichloroethane
Concen: 20.321 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 97 Resp: 40314

Ion	Ratio	Lower	Upper
97	100		
83	77.5	71.0	106.4
85	52.2	41.7	62.5
99	55.0	50.1	75.1

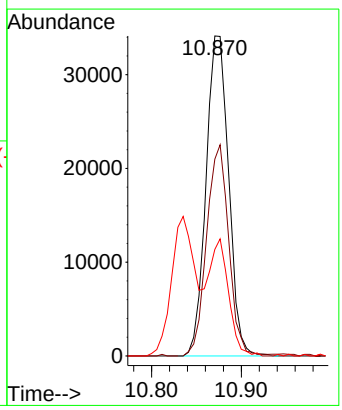


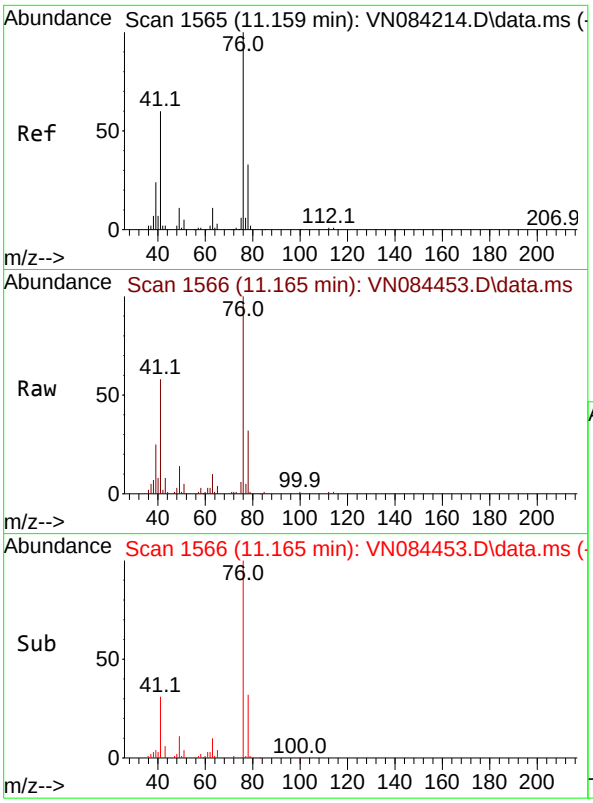


#56
Ethyl methacrylate
Concen: 18.303 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 69 Resp: 59750

Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.3	79.9
39	30.3	28.8	43.2



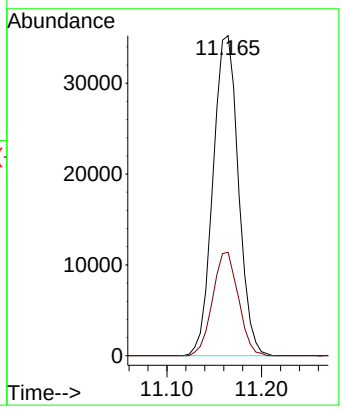


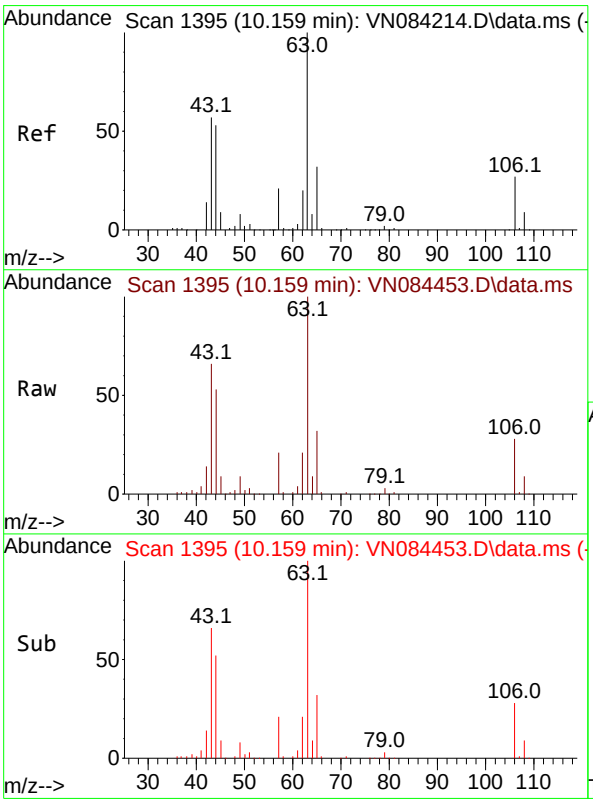
#57
1,3-Dichloropropane
Concen: 18.546 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 76 Resp: 65745

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

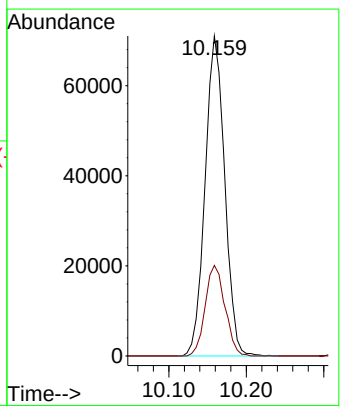


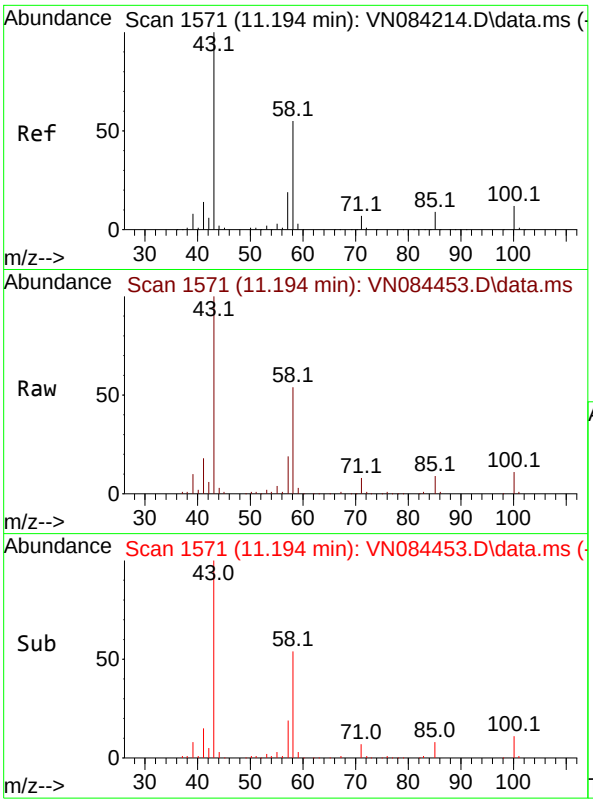


#58
2-Chloroethyl Vinyl ether
Concen: 82.396 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 63 Resp: 124774

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6



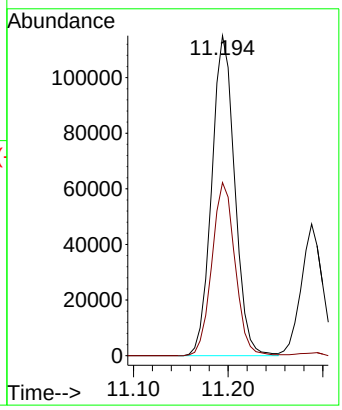


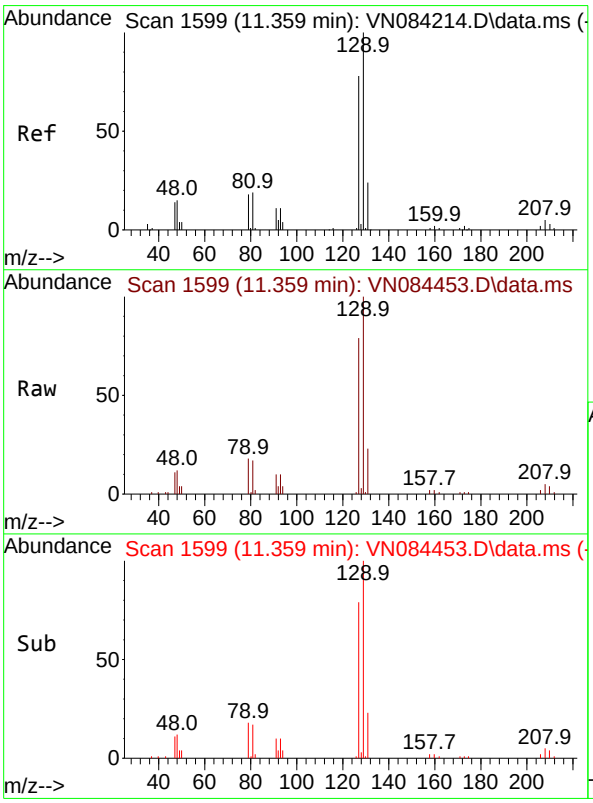
#59
2-Hexanone
Concen: 91.370 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 43 Resp: 194266

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

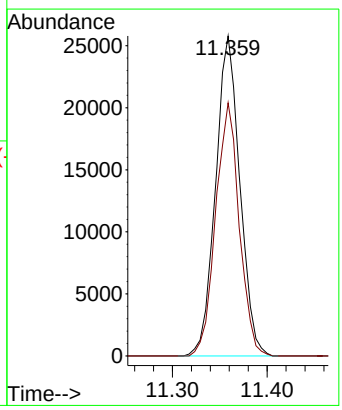


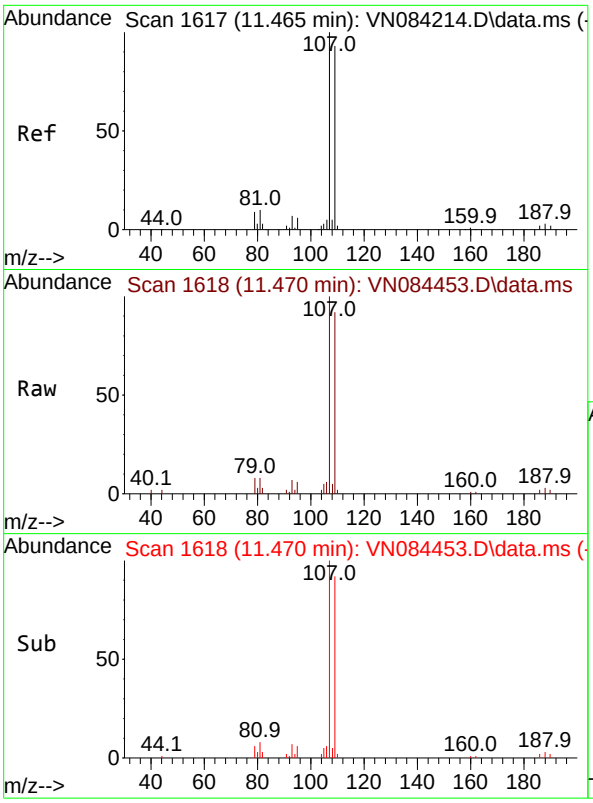


#60
Dibromochloromethane
Concen: 19.568 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:129 Resp: 45869

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9



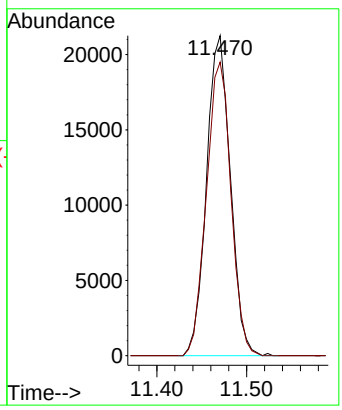


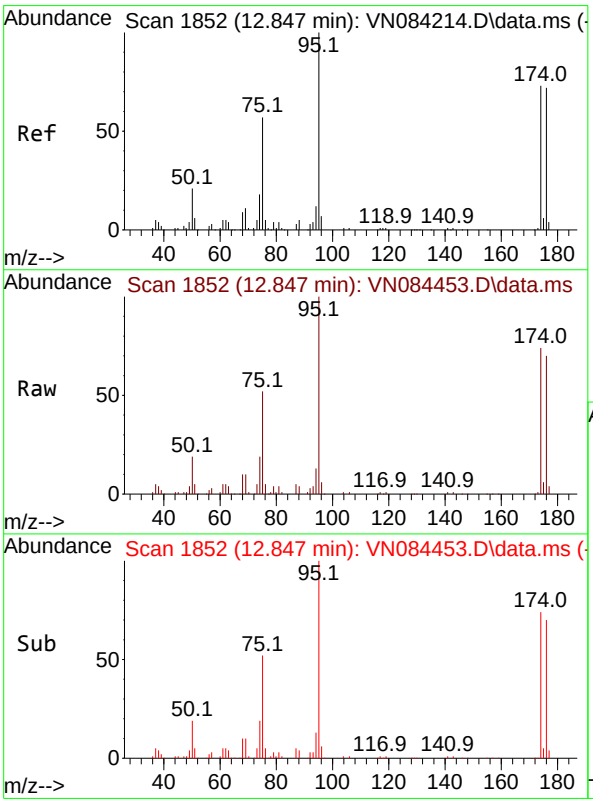
#61
1,2-Dibromoethane
Concen: 19.051 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:107 Resp: 39273

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

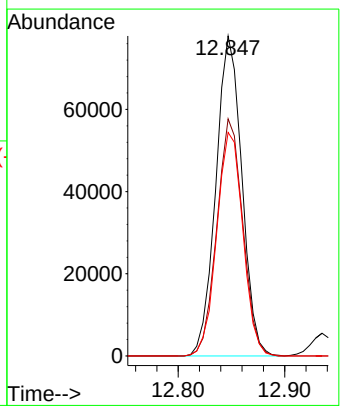


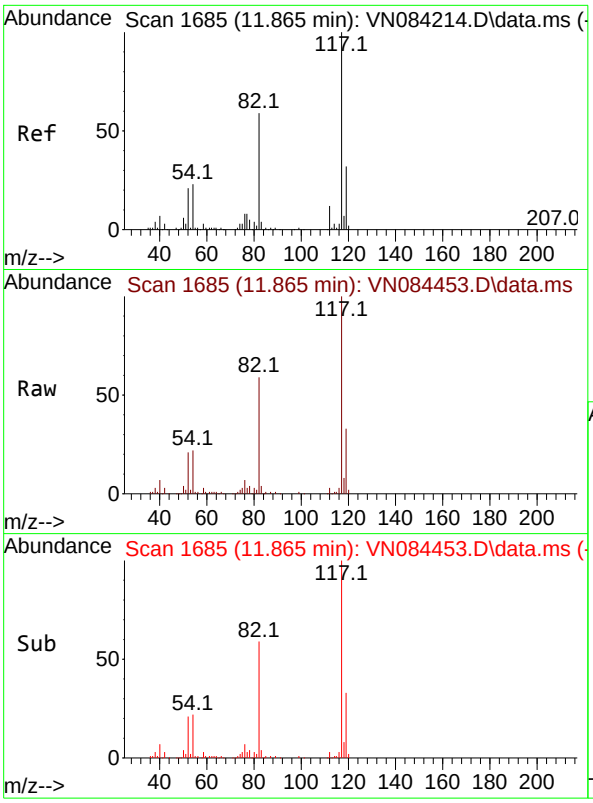


#62
4-Bromofluorobenzene
Concen: 49.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 95 Resp: 131806

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	70.3	0.0	140.0



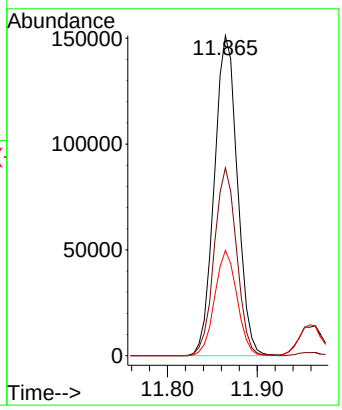


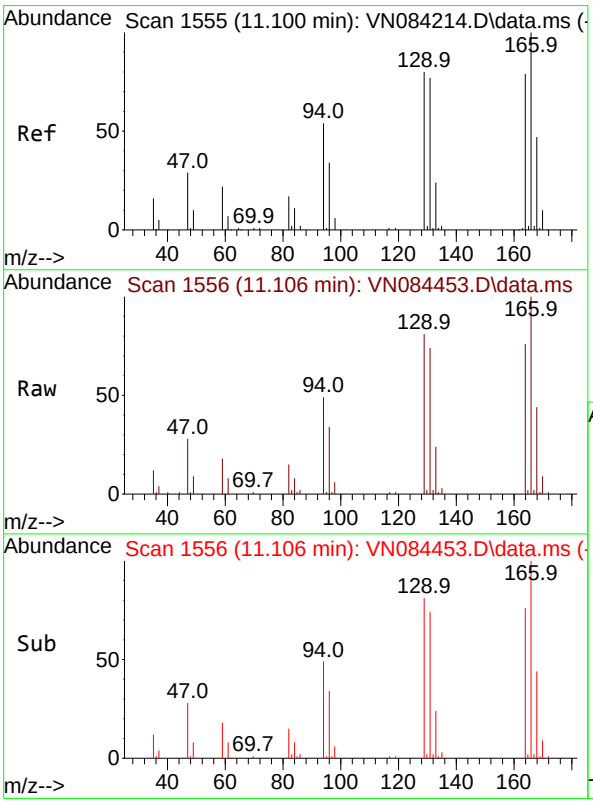
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:117 Resp: 270028

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	32.9	25.4	38.0

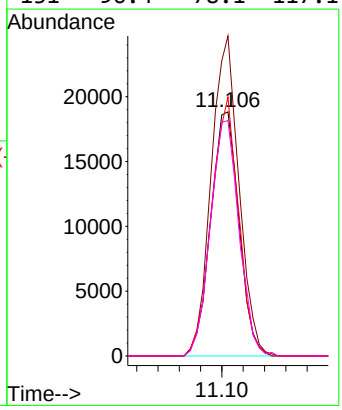


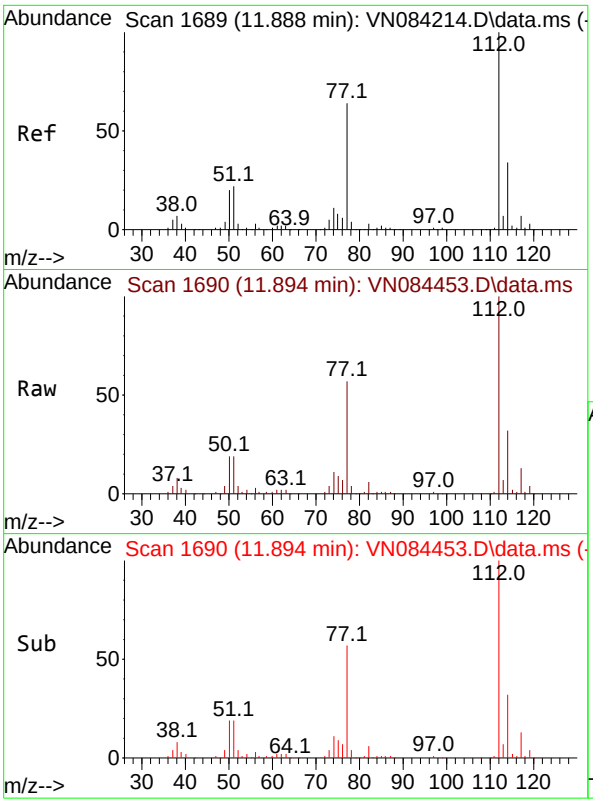


#64
Tetrachloroethene
Concen: 18.439 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:164 Resp: 34680

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.0	151.4
129	106.1	80.8	121.2
131	96.4	78.1	117.1



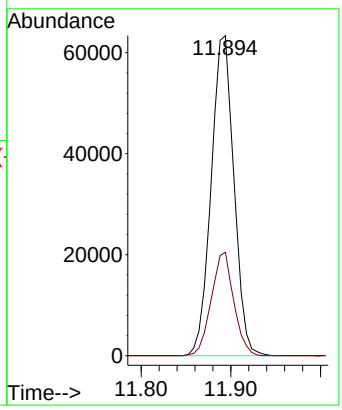


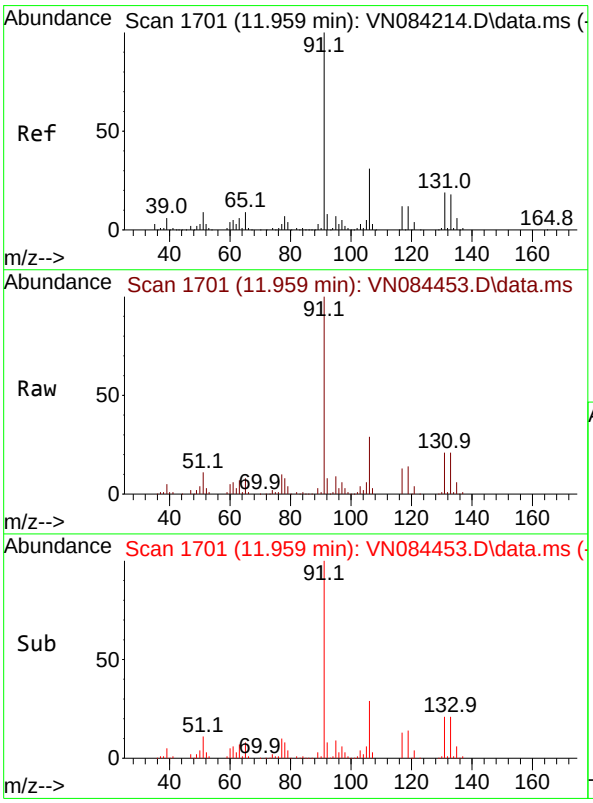
#65
Chlorobenzene
Concen: 18.650 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:112 Resp: 111661

Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6

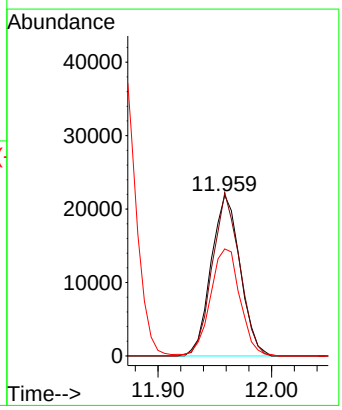


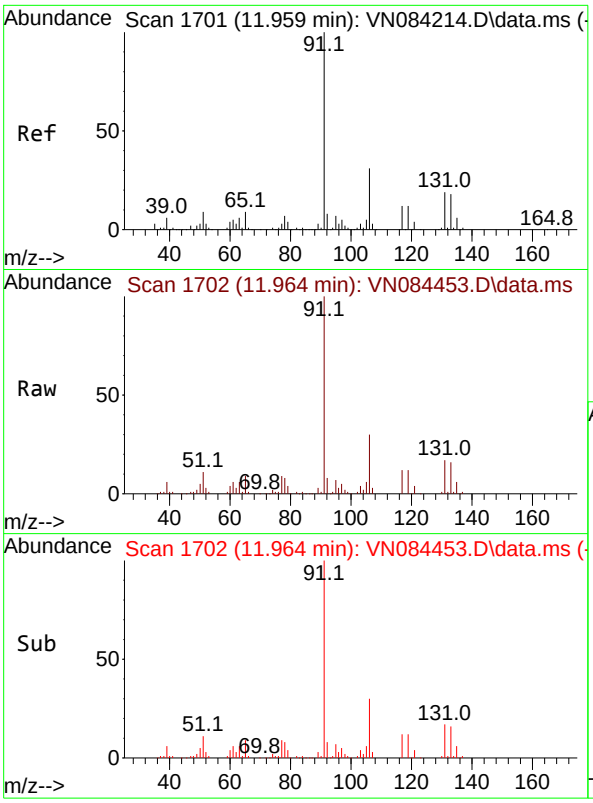


#66
1,1,1,2-Tetrachloroethane
Concen: 18.863 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:131 Resp: 38900

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.7
119	68.1	32.8	98.3



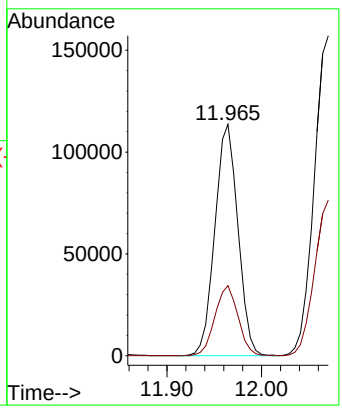


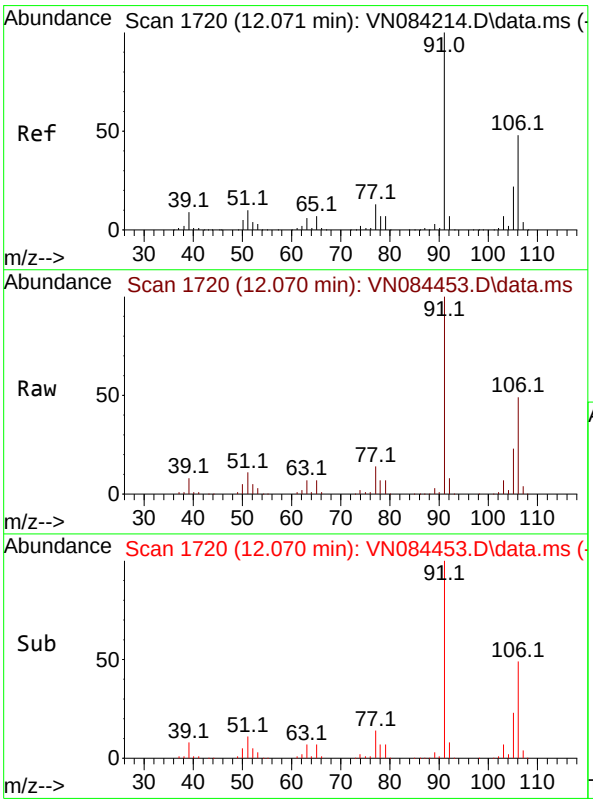
#67
Ethyl Benzene
Concen: 18.137 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 91 Resp: 192042

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

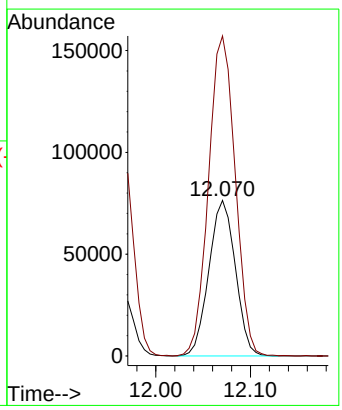


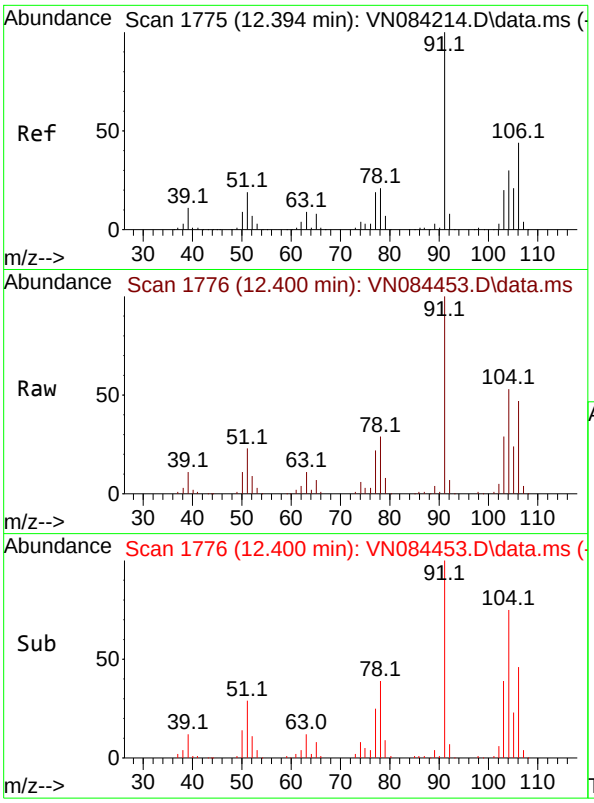


#68
m/p-Xylenes
Concen: 37.836 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:106 Resp: 148188

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7



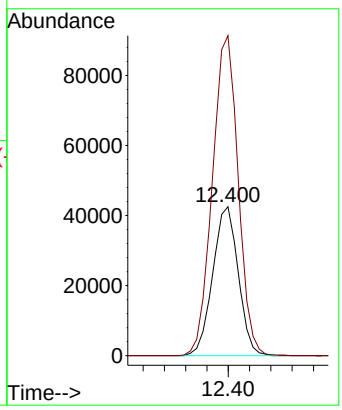


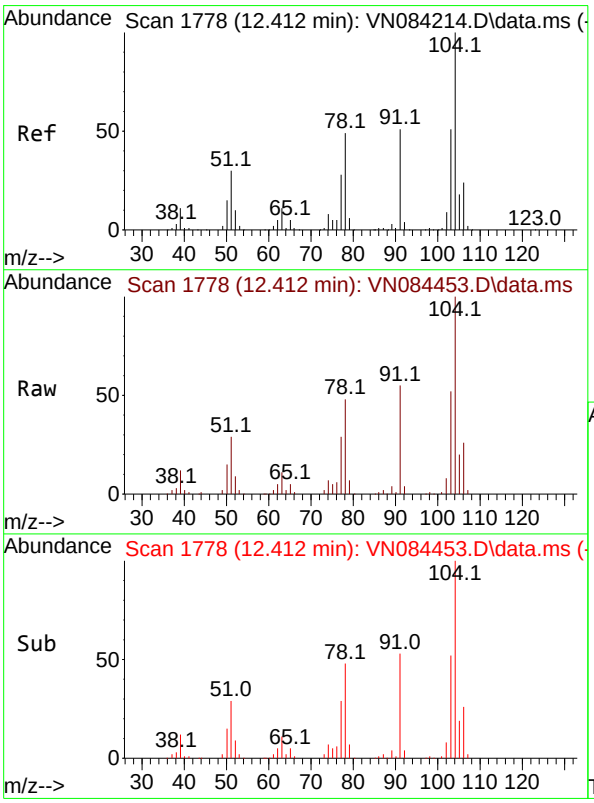
#69
o-Xylene
Concen: 19.078 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:106 Resp: 70695

Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6

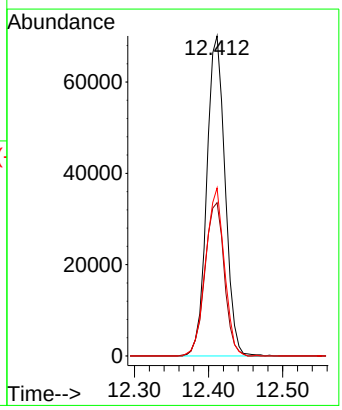


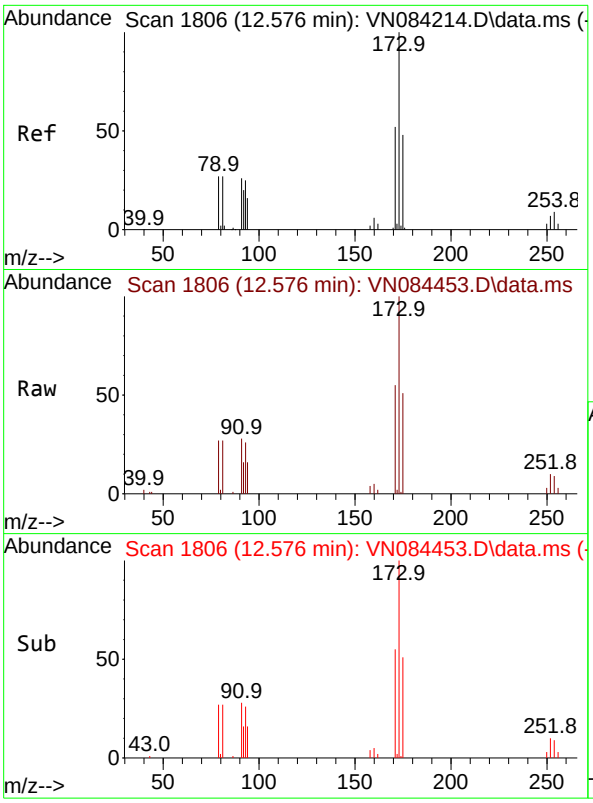


#70
Styrene
Concen: 19.159 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:104 Resp: 120254

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	53.9	43.6	65.4



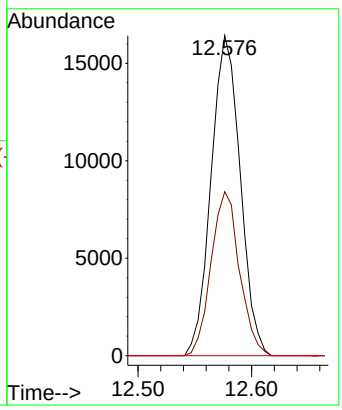


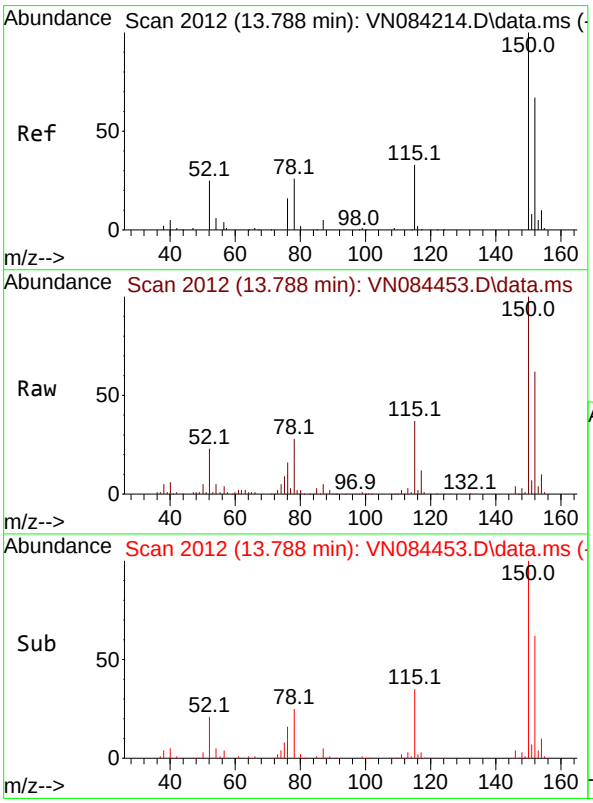
#71
Bromoform
Concen: 19.246 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:173 Resp: 29221

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.5	70.6
254	0.0	0.0	0.0

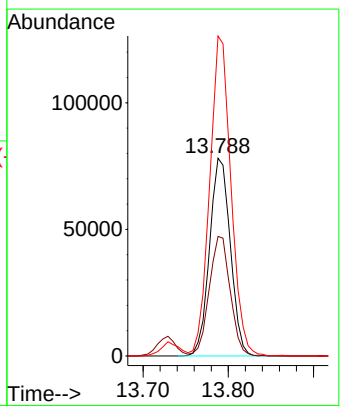


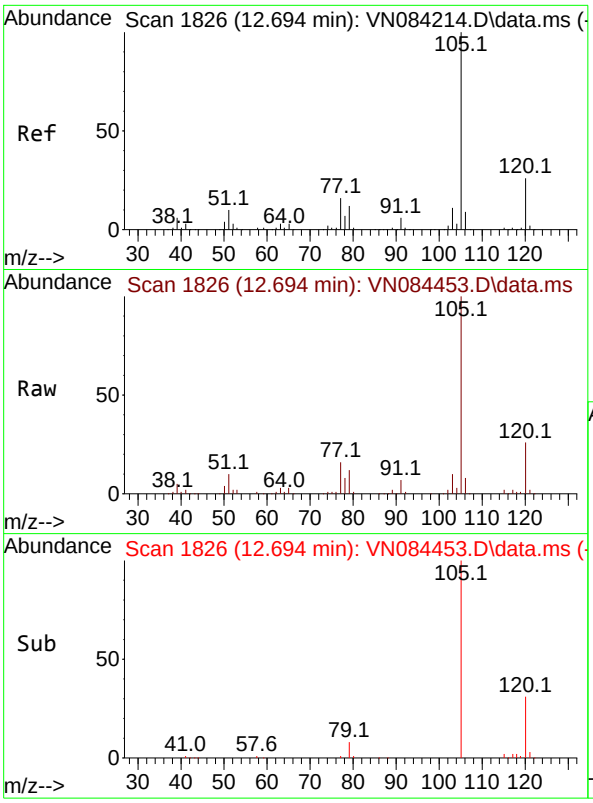


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:152 Resp: 132421

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.3	93.9
150	164.8	0.0	349.8



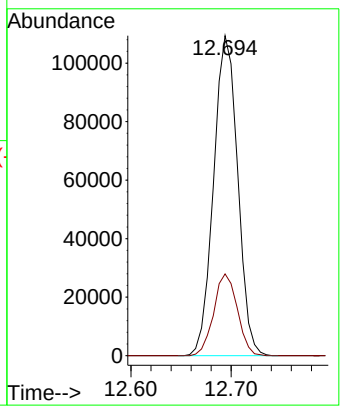


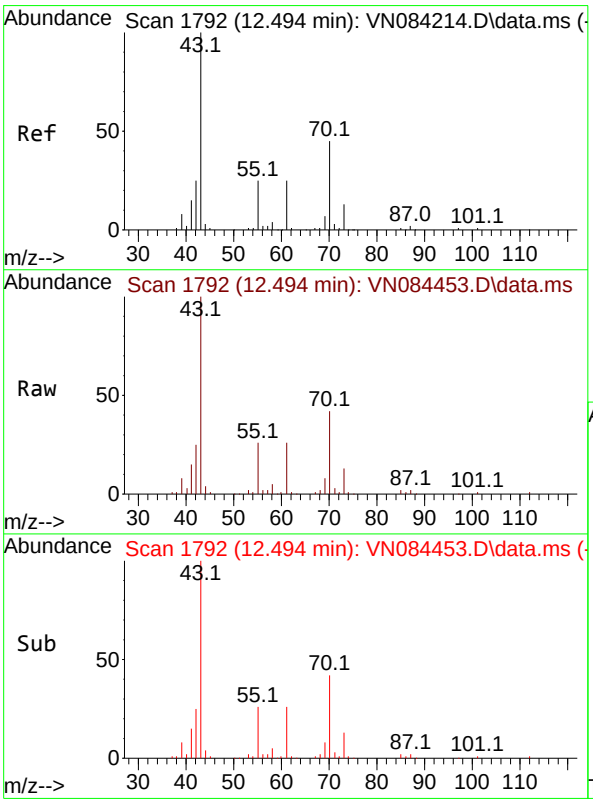
#73
Isopropylbenzene
Concen: 18.034 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:105 Resp: 182230

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7

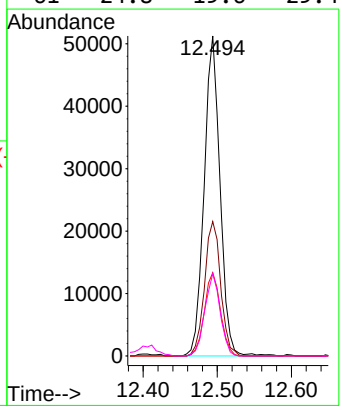


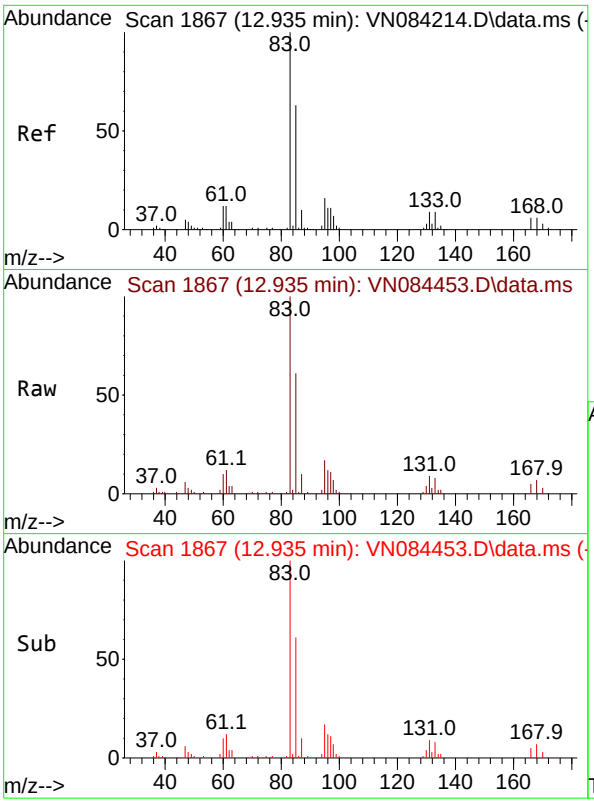


#74
N-amyl acetate
Concen: 16.674 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 43 Resp: 76299

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.4	51.6
55	26.4	19.6	29.4
61	24.8	19.6	29.4



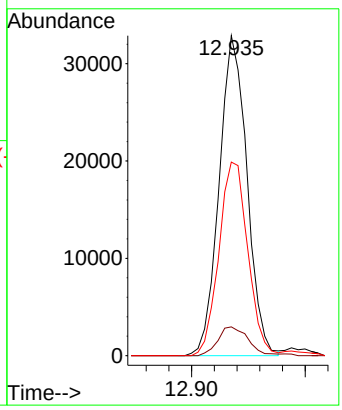


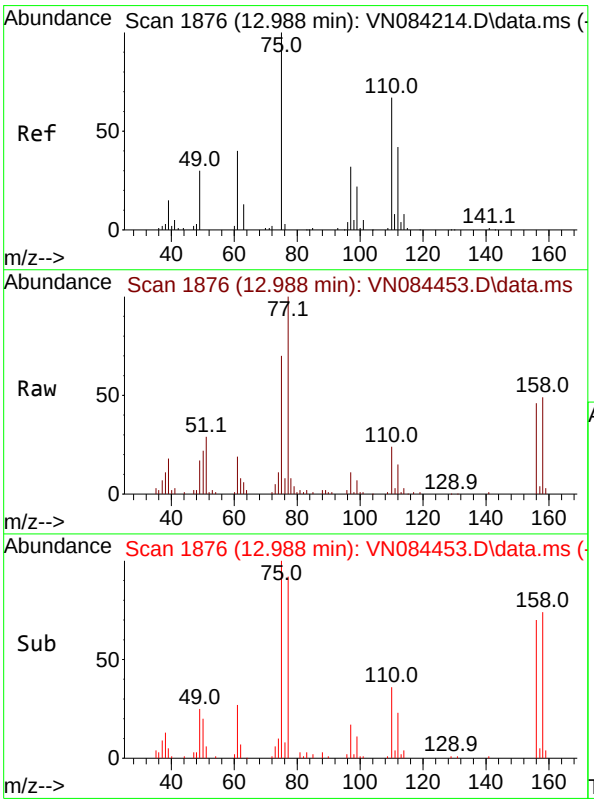
#75
1,1,2,2-Tetrachloroethane
Concen: 18.413 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 83 Resp: 55947

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	62.8	31.9	95.7

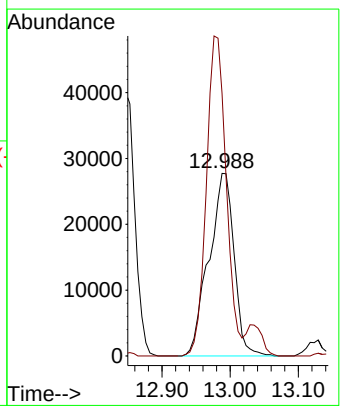


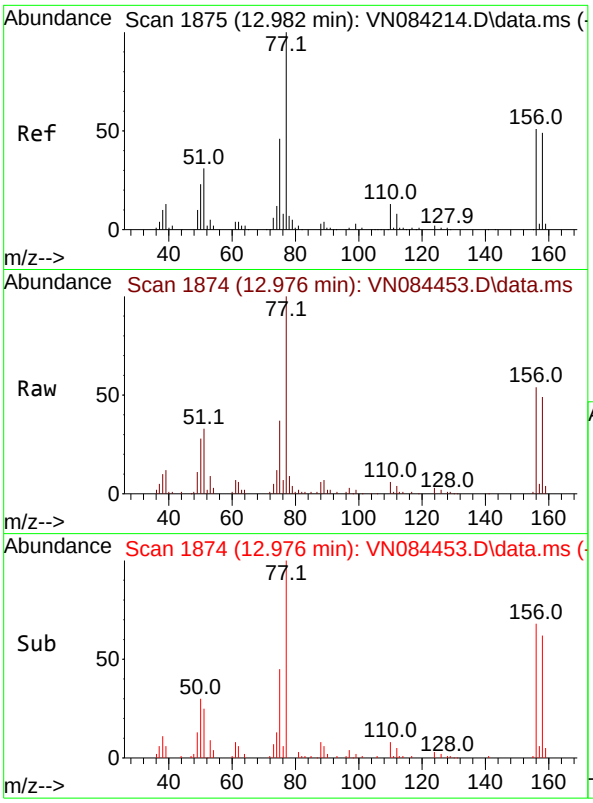


#76
1,2,3-Trichloropropane
Concen: 26.368 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 71283

Ion	Ratio	Lower	Upper
75	100		
77	138.5	96.9	290.7



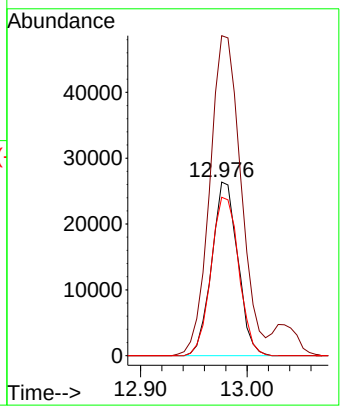


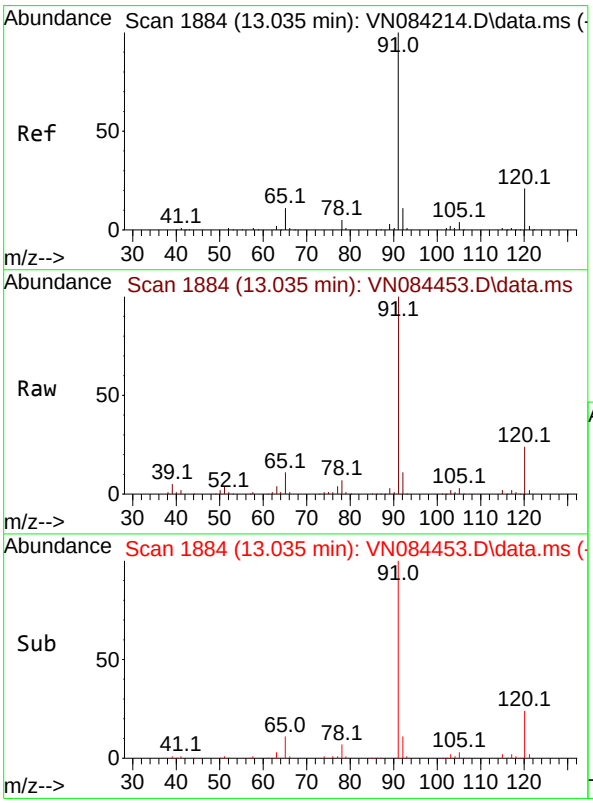
#77
Bromobenzene
Concen: 18.407 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:156 Resp: 44866

Ion	Ratio	Lower	Upper
156	100		
77	220.0	115.1	345.3
158	96.9	48.9	146.8

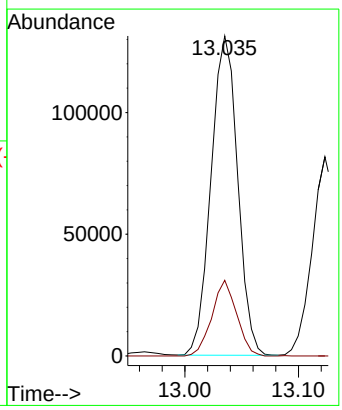


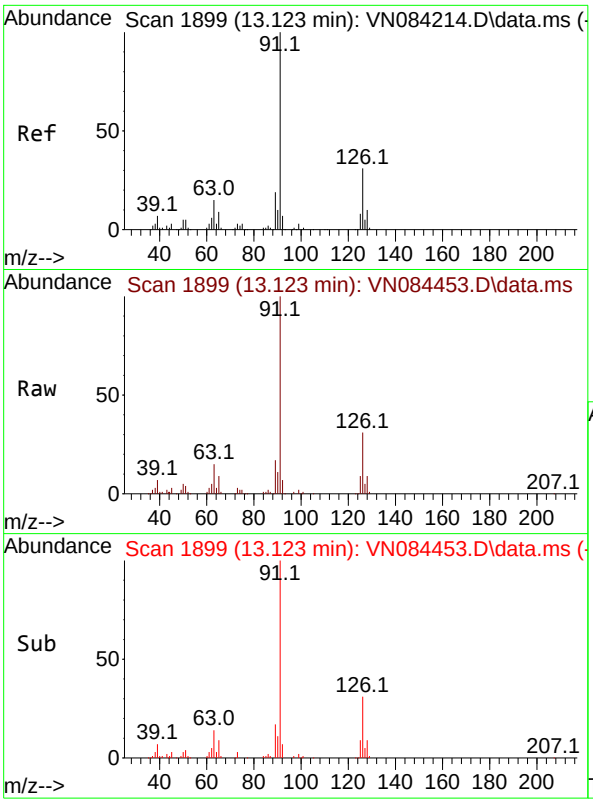


#78
n-propylbenzene
Concen: 18.227 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 213398

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



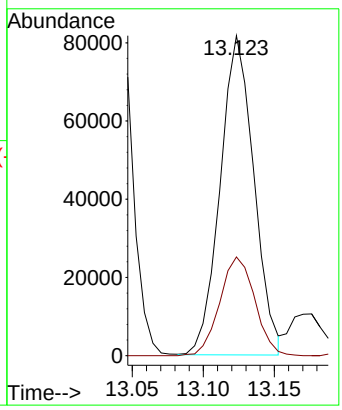


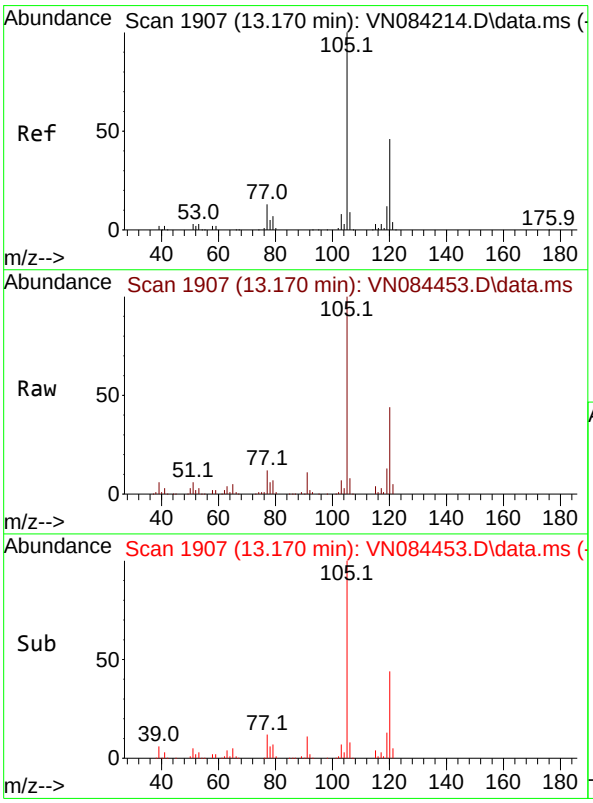
#79
2-Chlorotoluene
Concen: 18.038 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 91 Resp: 134753

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

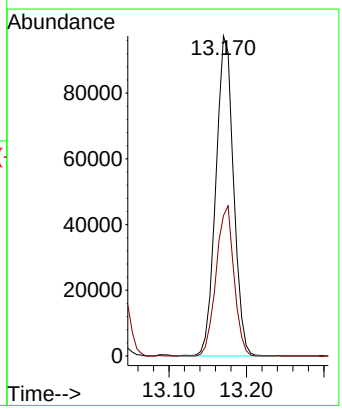


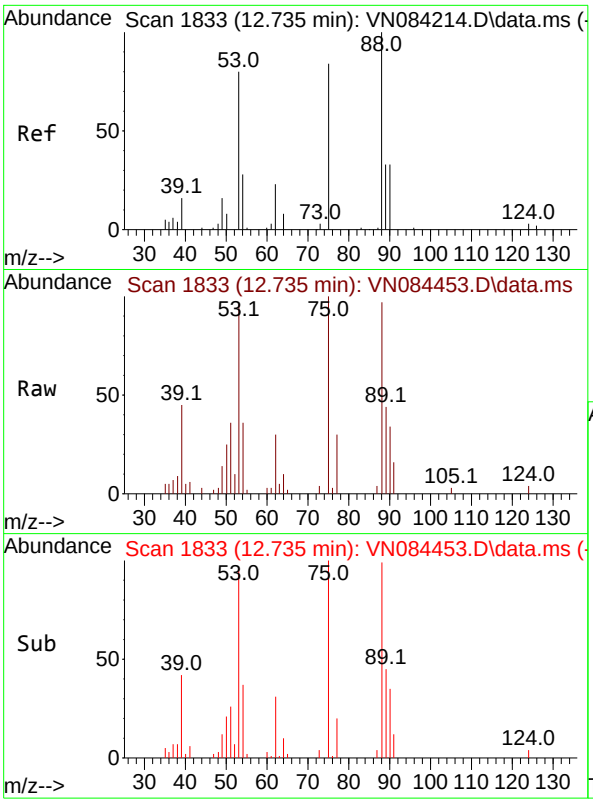


#80
1,3,5-Trimethylbenzene
Concen: 18.794 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:105 Resp: 154916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



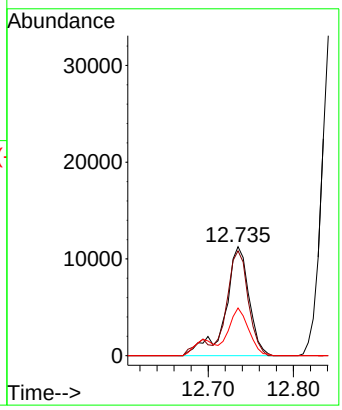


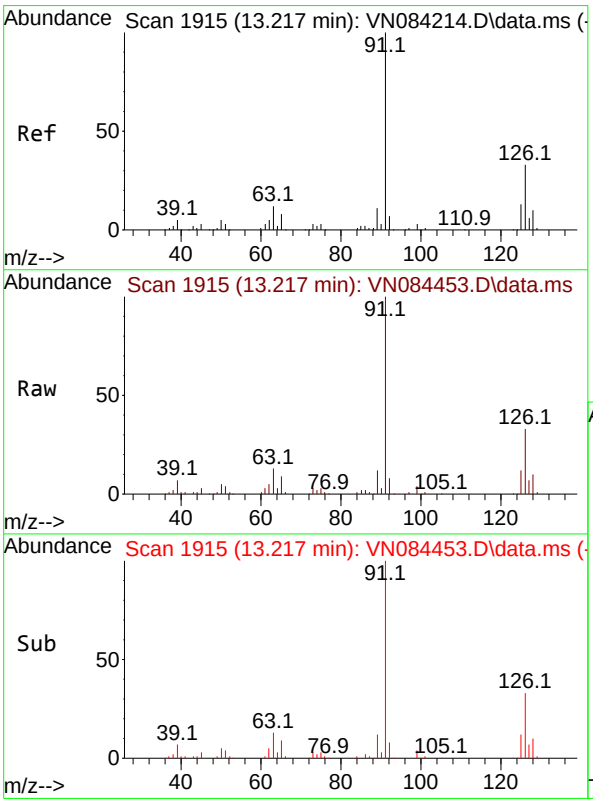
#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 75 Resp: 21723

Ion	Ratio	Lower	Upper
75	100		
53	84.7	78.0	117.0
89	36.9	35.5	53.3

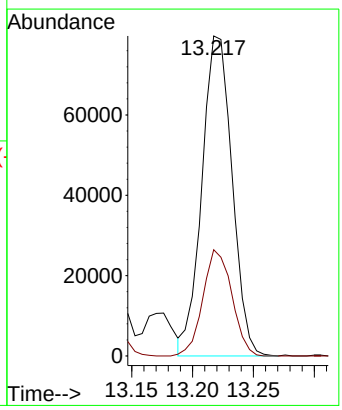


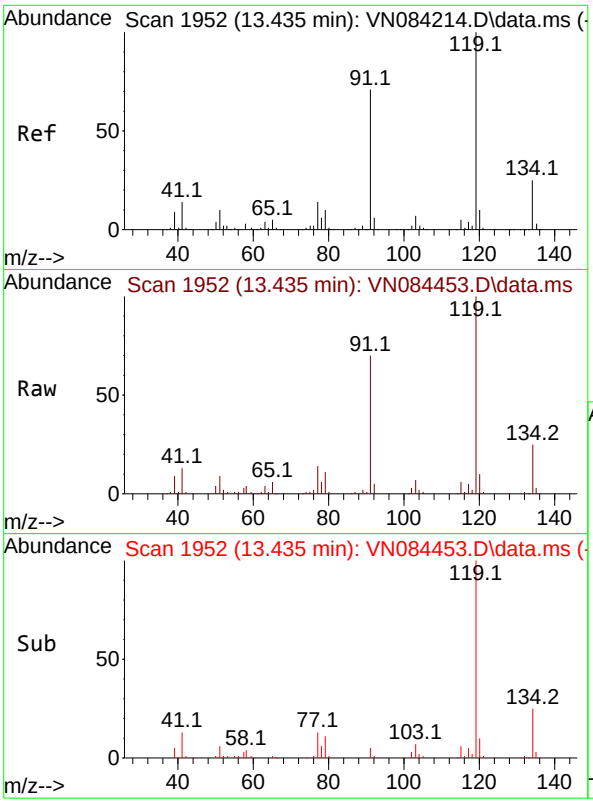


#82
4-Chlorotoluene
Concen: 18.243 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 91 Resp: 137196

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



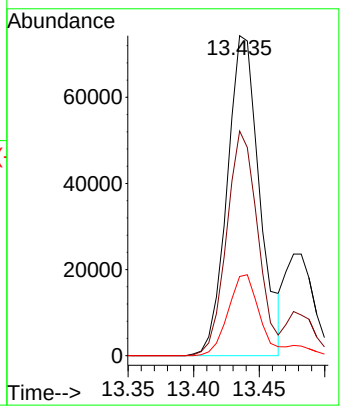


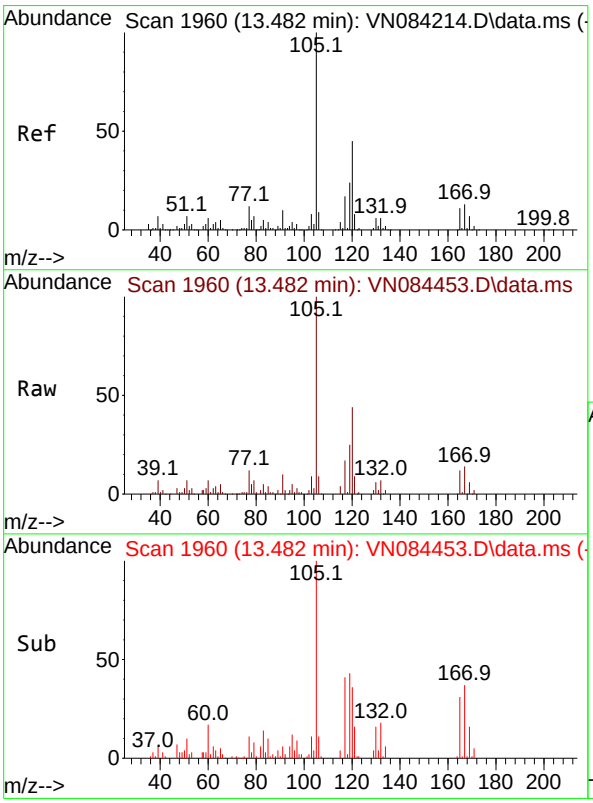
#83
tert-Butylbenzene
Concen: 17.454 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:119 Resp: 127869

Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.1	102.3
134	24.7	12.8	38.4

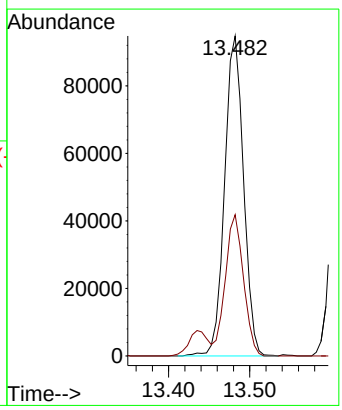


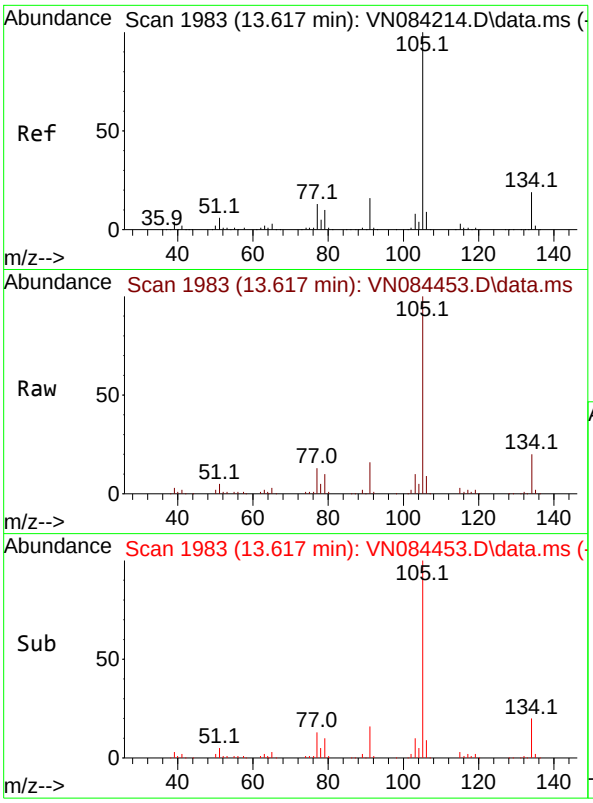


#84
1,2,4-Trimethylbenzene
Concen: 18.508 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:105 Resp: 153680

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.3	66.8



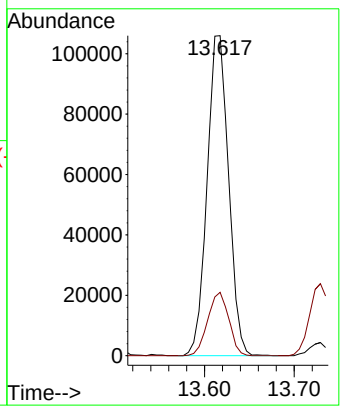


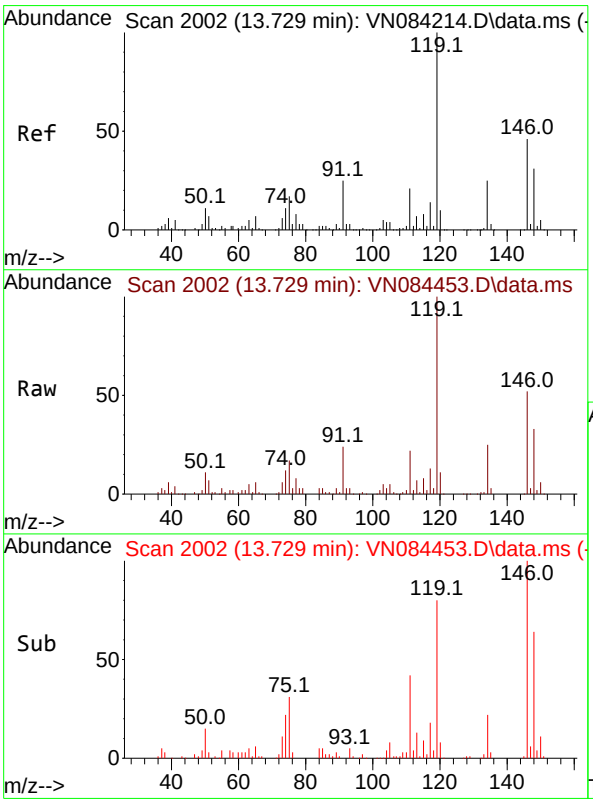
#85
sec-Butylbenzene
Concen: 18.027 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:105 Resp: 176234

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

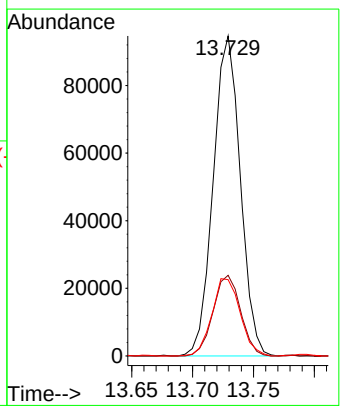


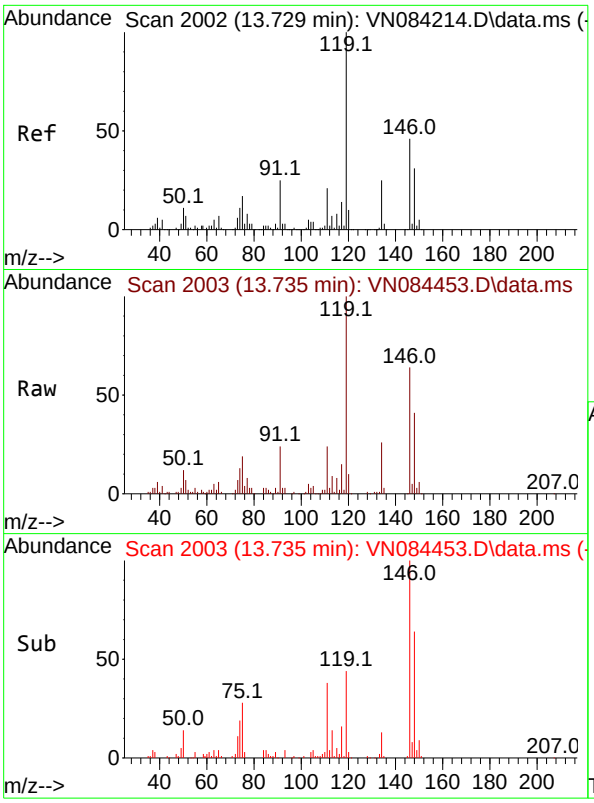


#86
p-Isopropyltoluene
Concen: 18.133 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:119 Resp: 146590

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2



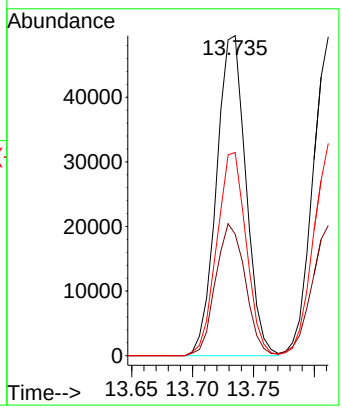


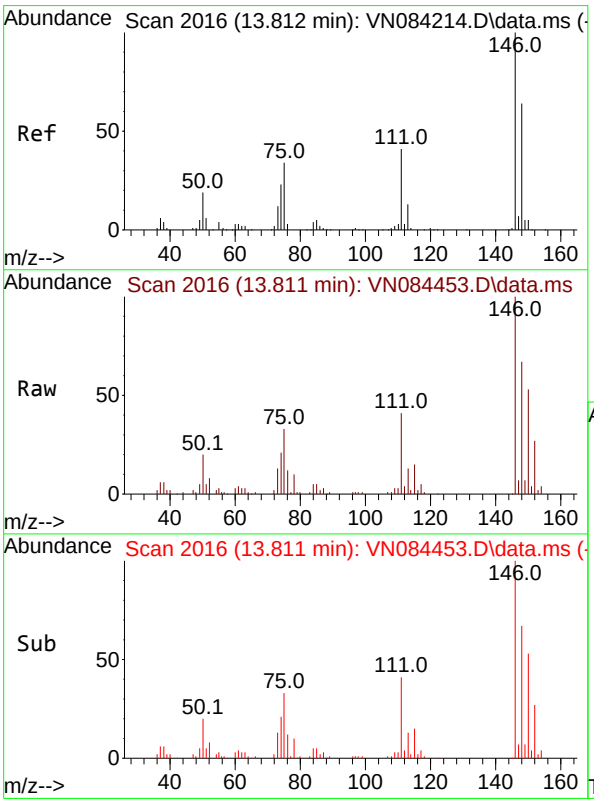
#87
1,3-Dichlorobenzene
Concen: 18.204 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:146 Resp: 83239

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.6	31.9	95.7

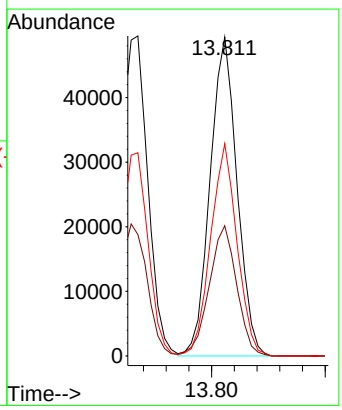


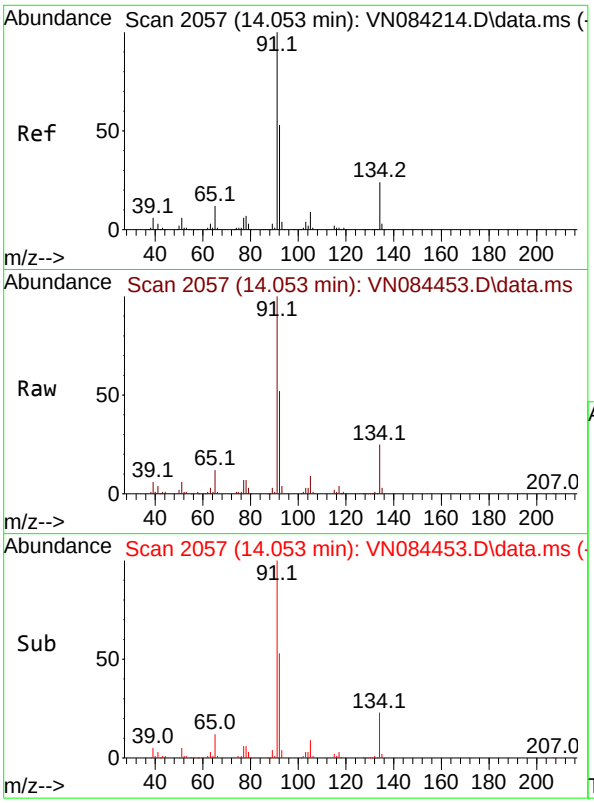


#88
1,4-Dichlorobenzene
Concen: 17.612 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:146 Resp: 81325

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	65.2	31.9	95.9



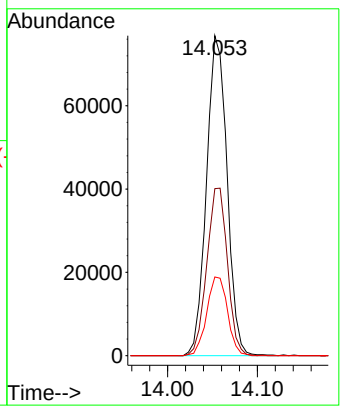


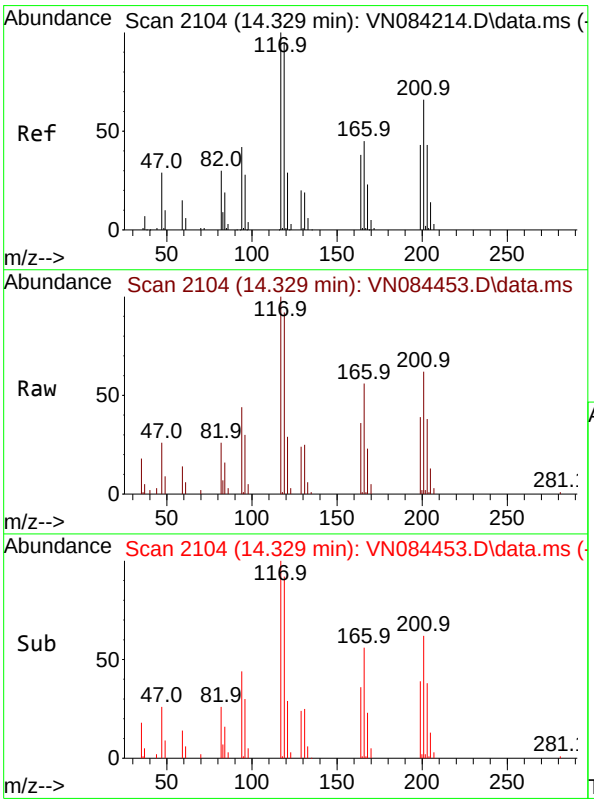
#89
n-Butylbenzene
Concen: 16.668 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion: 91 Resp: 122182

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	24.9	12.3	36.9

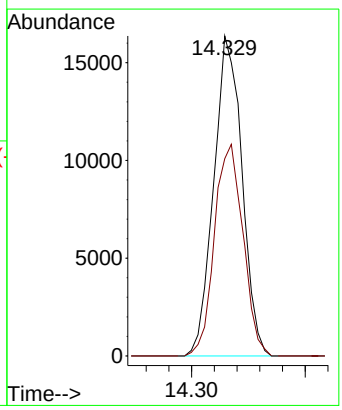


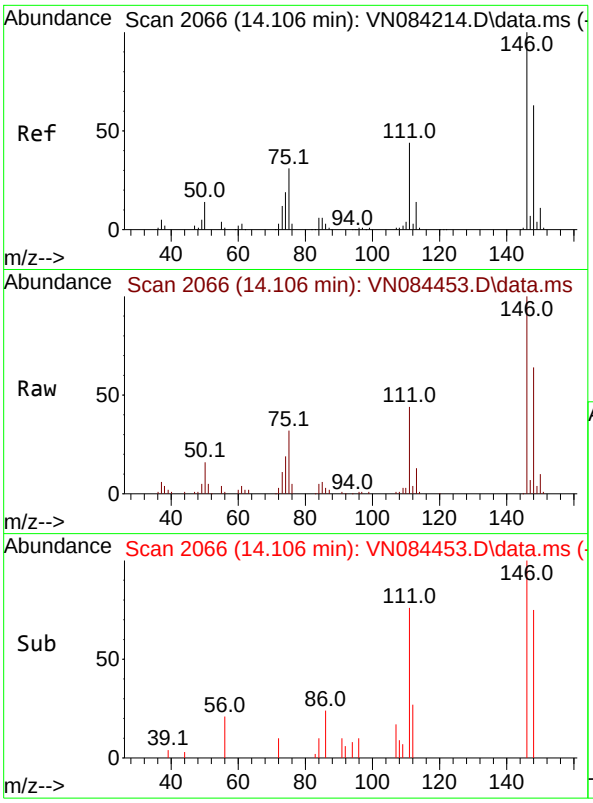


#90
Hexachloroethane
Concen: 17.213 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:117 Resp: 28246

Ion	Ratio	Lower	Upper
117	100		
201	66.9	34.4	103.2



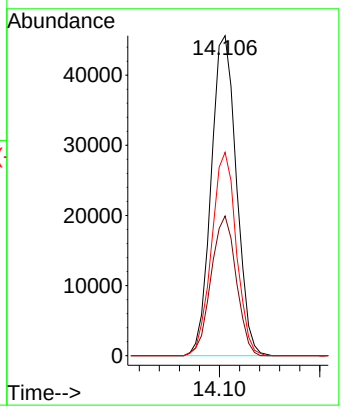


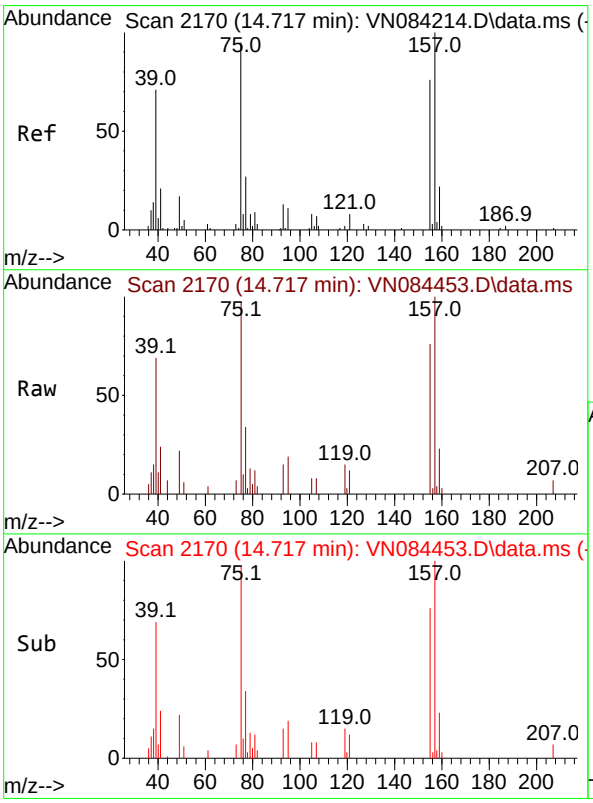
#91
1,2-Dichlorobenzene
Concen: 17.766 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:146 Resp: 79655

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	62.3	32.1	96.3

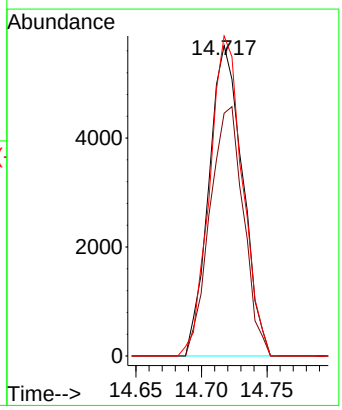


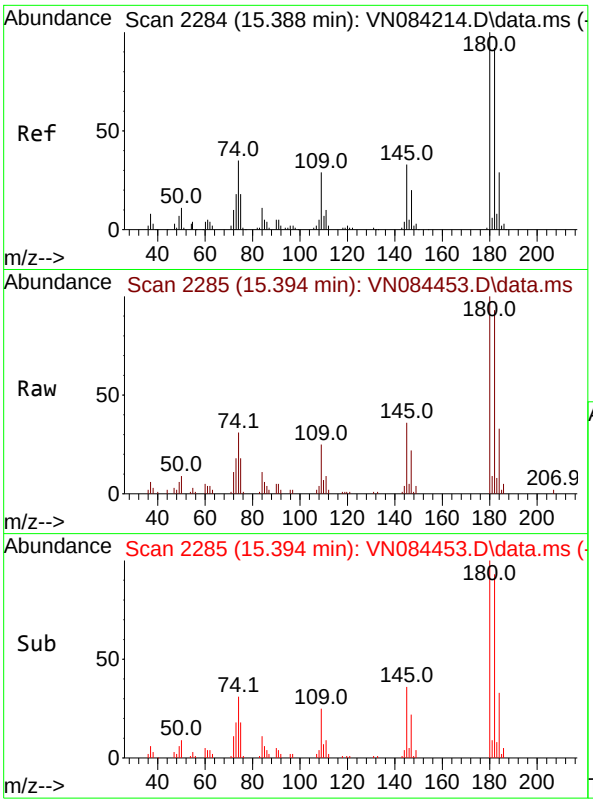


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.285 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion: 75 Resp: 10211

Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.1	114.5
157	100.0	49.6	149.0



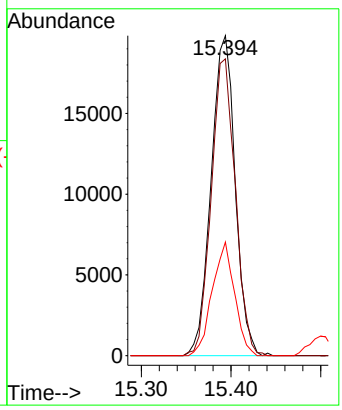


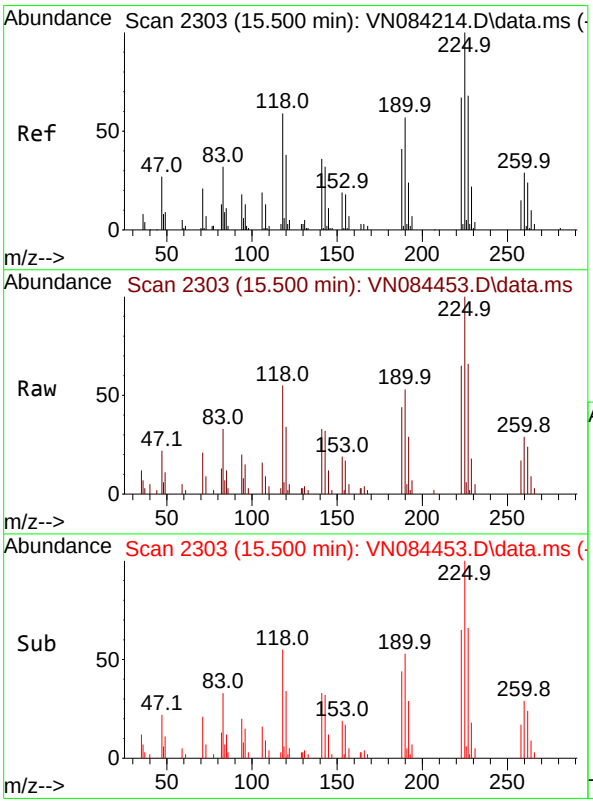
#93
1,2,4-Trichlorobenzene
Concen: 16.741 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:180 Resp: 36971

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.0
145	33.0	16.4	49.4

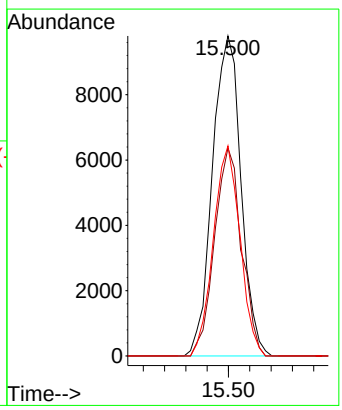


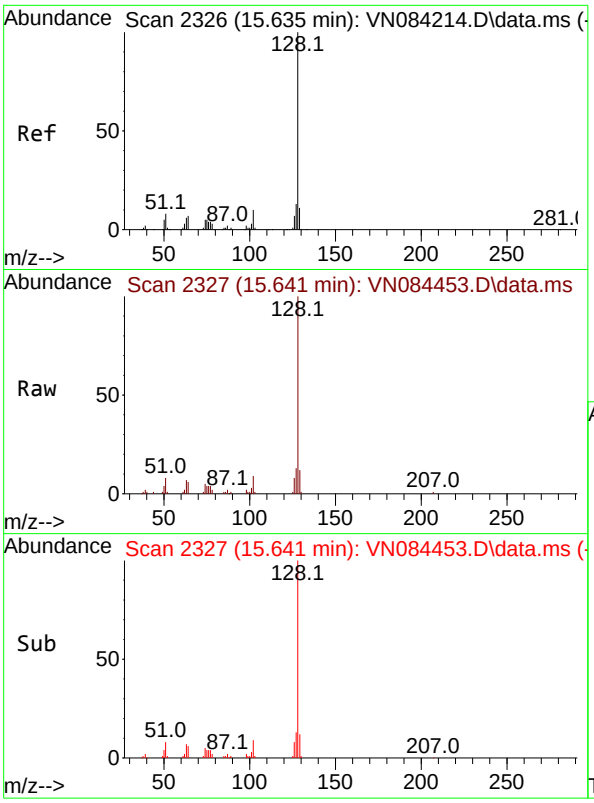


#94
Hexachlorobutadiene
Concen: 16.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:225 Resp: 18220

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	61.2	32.4	97.0



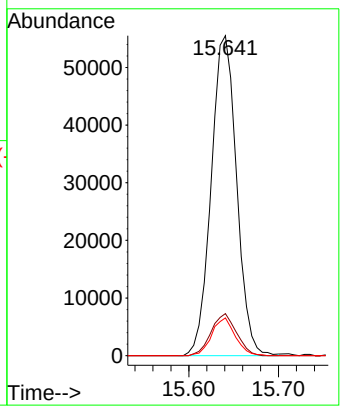


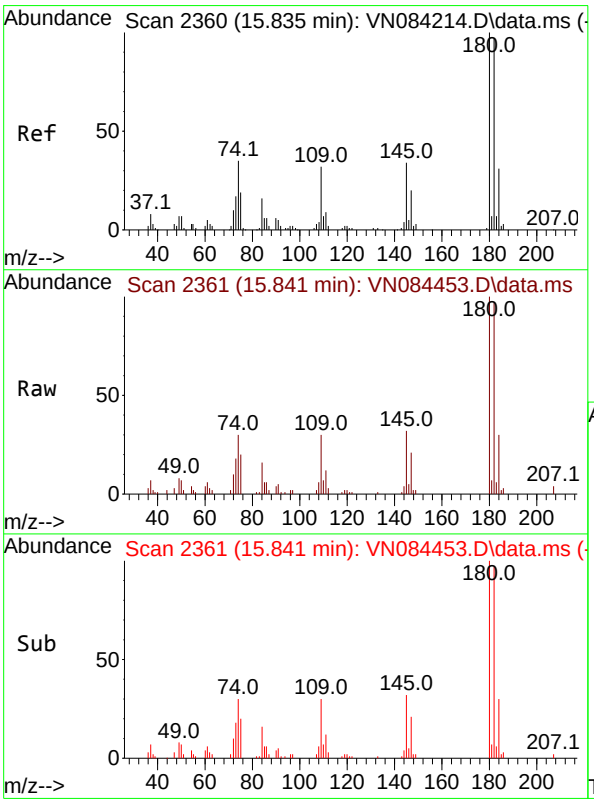
#95
Naphthalene
Concen: 14.927 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tgt Ion:128 Resp: 109289

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

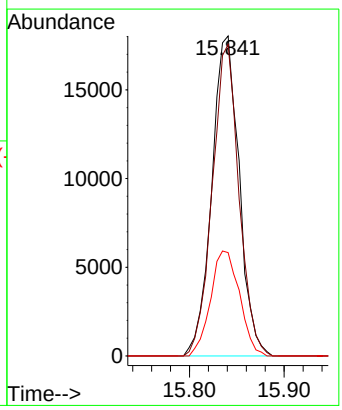




#96
1,2,3-Trichlorobenzene
Concen: 16.382 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084453.D
Acq: 22 Oct 2024 14:01

Tgt Ion:180 Resp: 36215

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	34.8	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118385	49.091	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.180%			
35) Dibromofluoromethane	8.165	113	92800	49.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.020%			
50) Toluene-d8	10.565	98	331212	48.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.060%			
62) 4-Bromofluorobenzene	12.847	95	122807	48.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	28241	14.679	ug/l	88
3) Chloromethane	2.359	50	35405	16.117	ug/l	99
4) Vinyl Chloride	2.512	62	35054	16.474	ug/l	95
5) Bromomethane	2.959	94	25307	18.031	ug/l	95
6) Chloroethane	3.124	64	23899	15.683	ug/l	98
7) Trichlorofluoromethane	3.494	101	59328	17.905	ug/l	91
8) Diethyl Ether	3.959	74	22634	18.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	34776	18.317	ug/l	99
10) Methyl Iodide	4.589	142	44688	18.277	ug/l	99
11) Tert butyl alcohol	5.518	59	34892	87.746	ug/l	100
12) 1,1-Dichloroethene	4.341	96	32769	17.894	ug/l	93
13) Acrolein	4.177	56	29404	64.411	ug/l	98
14) Allyl chloride	5.024	41	53581	16.847	ug/l	98
15) Acrylonitrile	5.718	53	97676	97.270	ug/l	99
16) Acetone	4.430	43	87135	84.111	ug/l	96
17) Carbon Disulfide	4.718	76	96268	16.603	ug/l	97
18) Methyl Acetate	5.030	43	44581	19.744	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	121253	19.617	ug/l	98
20) Methylene Chloride	5.277	84	41617	19.762	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	36611	19.082	ug/l	99
22) Diisopropyl ether	6.671	45	127788	19.425	ug/l	95
23) Vinyl Acetate	6.600	43	471205	96.571	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72140	19.609	ug/l	98
25) 2-Butanone	7.482	43	130207	92.281	ug/l	100
26) 2,2-Dichloropropane	7.488	77	58286	17.571	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	44657	19.262	ug/l	96
28) Bromochloromethane	7.812	49	32800	19.982	ug/l	98
29) Tetrahydrofuran	7.841	42	84216	96.717	ug/l	98
30) Chloroform	7.965	83	74218	19.421	ug/l	94
31) Cyclohexane	8.259	56	59952	16.784	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	64815	18.885	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50527	18.560	ug/l	98
37) Ethyl Acetate	7.559	43	53479	19.148	ug/l	97
38) Carbon Tetrachloride	8.359	117	55533	18.596	ug/l	92
39) Methylcyclohexane	9.600	83	52431	17.305	ug/l	95
40) Benzene	8.606	78	160063	18.871	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29208	19.263 ug/l		96
42) 1,2-Dichloroethane	8.671	62	56362	19.601 ug/l		99
43) Isopropyl Acetate	8.688	43	87329	15.964 ug/l		97
44) Trichloroethene	9.353	130	37196	18.776 ug/l		95
45) 1,2-Dichloropropane	9.618	63	40032	19.951 ug/l		100
46) Dibromomethane	9.706	93	28247	20.861 ug/l		98
47) Bromodichloromethane	9.888	83	59421	19.752 ug/l		96
48) Methyl methacrylate	9.676	41	39452	18.117 ug/l		98
49) 1,4-Dioxane	9.694	88	15410	384.377 ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	265413	99.827 ug/l		99
52) Toluene	10.629	92	98137	18.974 ug/l		98
53) t-1,3-Dichloropropene	10.835	75	58118	18.952 ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	62876	19.062 ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	38703	20.873 ug/l		96
56) Ethyl methacrylate	10.876	69	58523	19.181 ug/l		99
57) 1,3-Dichloropropane	11.159	76	67142	20.265 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124778	88.160 ug/l		99
59) 2-Hexanone	11.194	43	191652	96.444 ug/l		99
60) Dibromochloromethane	11.359	129	45689	20.855 ug/l		98
61) 1,2-Dibromoethane	11.470	107	39095	20.291 ug/l		98
64) Tetrachloroethene	11.106	164	33764	19.244 ug/l		97
65) Chlorobenzene	11.888	112	109394	19.587 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.965	131	36735	19.096 ug/l		98
67) Ethyl Benzene	11.965	91	180220	18.246 ug/l		99
68) m/p-Xylenes	12.070	106	141783	38.806 ug/l		97
69) o-Xylene	12.400	106	65662	18.995 ug/l		96
70) Styrene	12.412	104	113796	19.435 ug/l		98
71) Bromoform	12.582	173	28447	20.085 ug/l	#	95
73) Isopropylbenzene	12.694	105	167871	18.213 ug/l		99
74) N-amyl acetate	12.494	43	74246	17.789 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55170	19.906 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	70401	28.550 ug/l		60
77) Bromobenzene	12.982	156	42558	19.142 ug/l		96
78) n-propylbenzene	13.035	91	202008	18.916 ug/l		100
79) 2-Chlorotoluene	13.123	91	126589	18.577 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	144609	19.234 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	18211	17.706 ug/l		96
82) 4-Chlorotoluene	13.223	91	130226	18.984 ug/l		99
83) tert-Butylbenzene	13.435	119	120683	18.060 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	146120	19.292 ug/l		99
85) sec-Butylbenzene	13.617	105	166811	18.707 ug/l		100
86) p-Isopropyltoluene	13.729	119	139521	18.921 ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	78103	18.726 ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	79624	18.904 ug/l		100
89) n-Butylbenzene	14.053	91	118654	17.746 ug/l		99
90) Hexachloroethane	14.335	117	26884	17.962 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	75541	18.471 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10570	18.481 ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36540	18.139 ug/l		99
94) Hexachlorobutadiene	15.500	225	17391	17.312 ug/l		97
95) Naphthalene	15.641	128	109616	16.414 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	35947	17.827 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

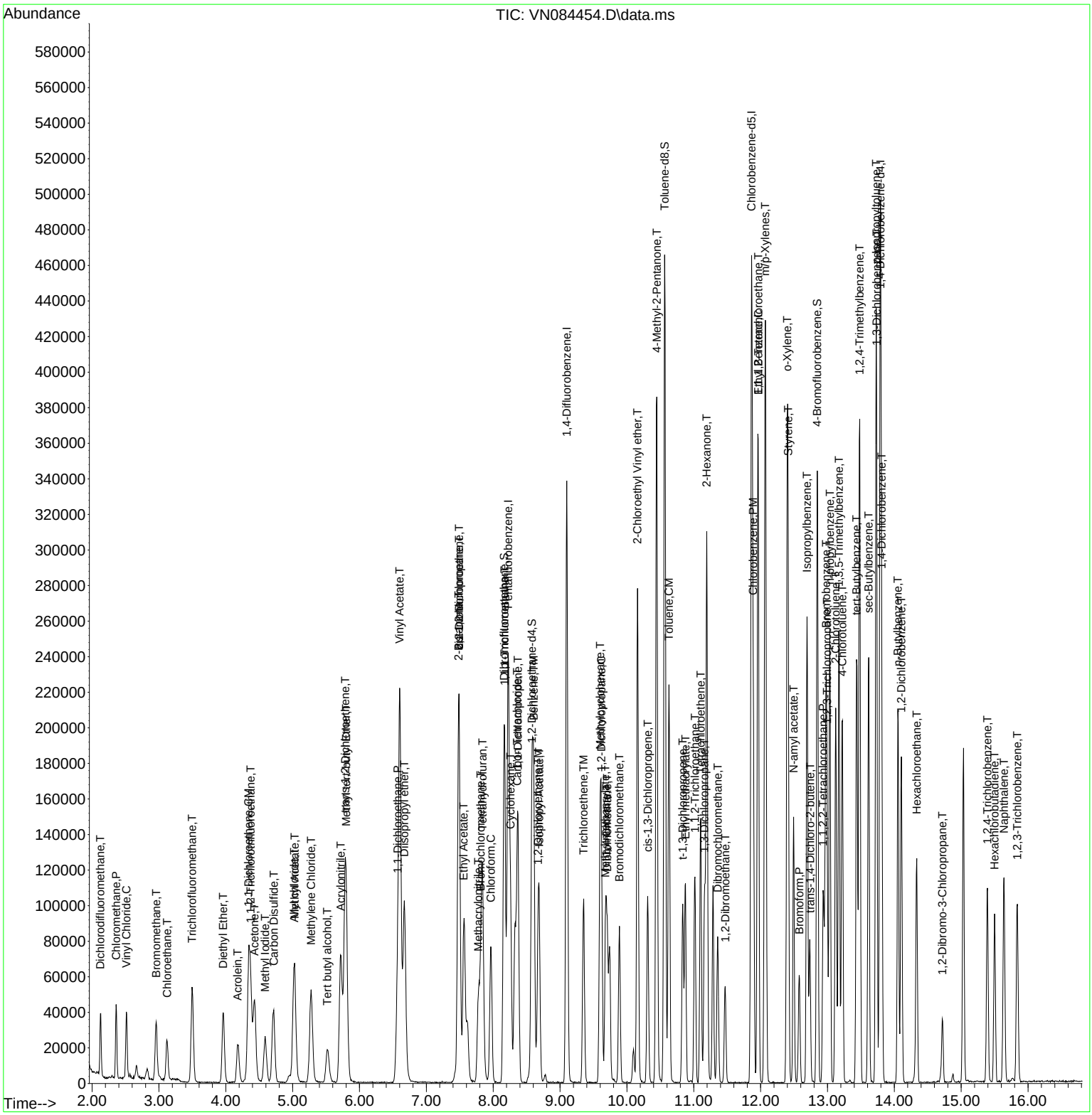
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

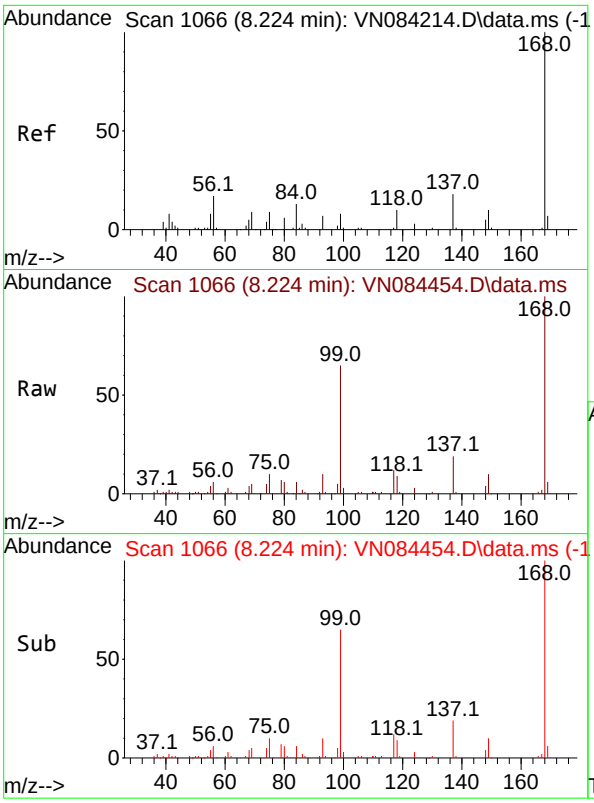
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



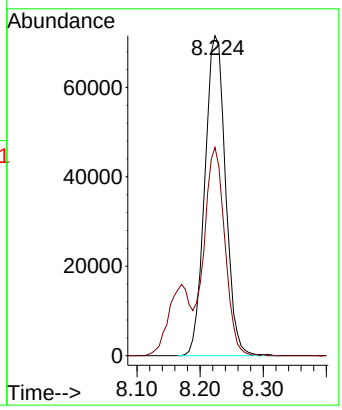


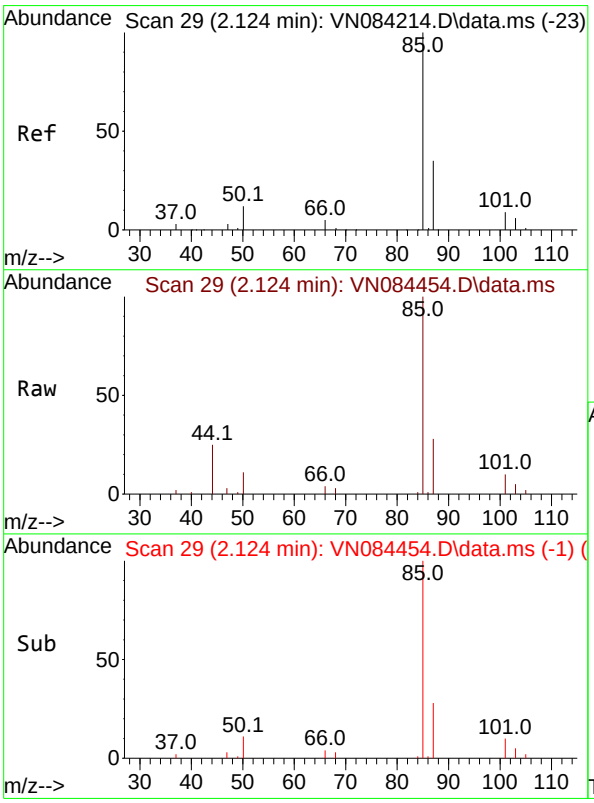
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:168 Resp: 162648

Ion	Ratio	Lower	Upper
168	100		
99	65.1	54.2	81.2

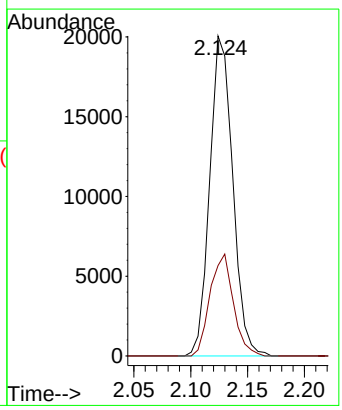


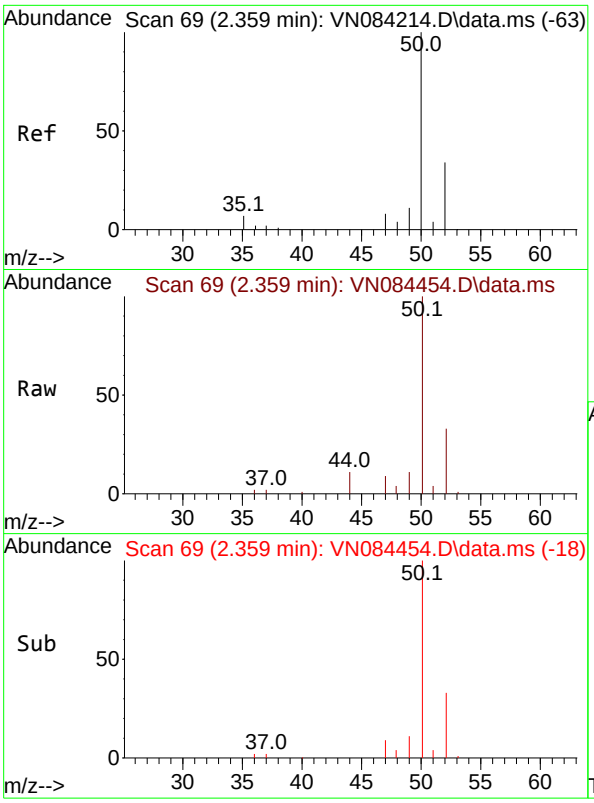


#2
Dichlorodifluoromethane
Concen: 14.679 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 85 Resp: 28241

Ion	Ratio	Lower	Upper
85	100		
87	28.3	17.6	52.9



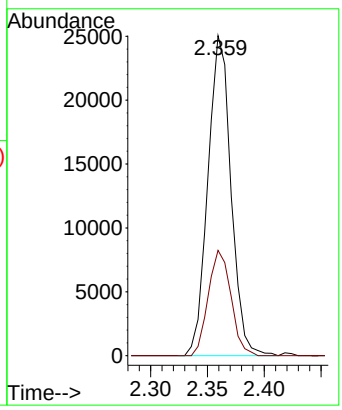


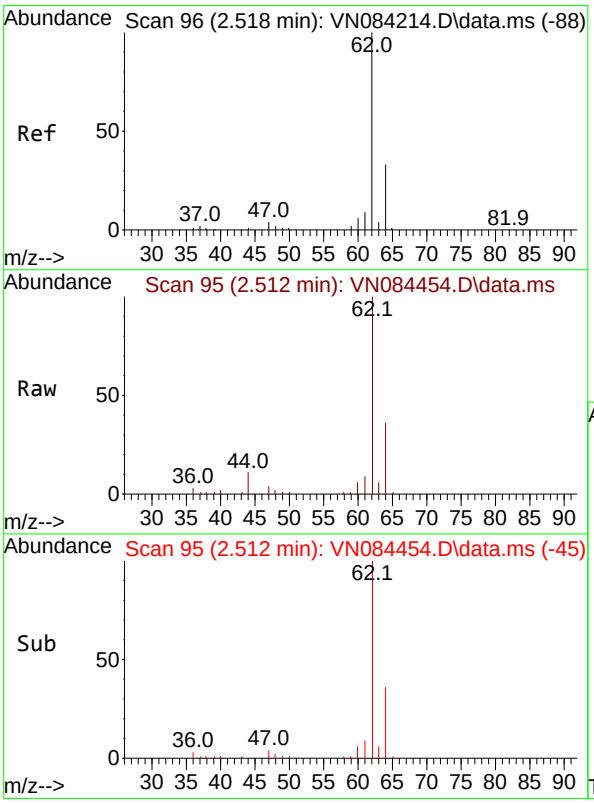
#3
Chloromethane
Concen: 16.117 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 50 Resp: 35405

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2

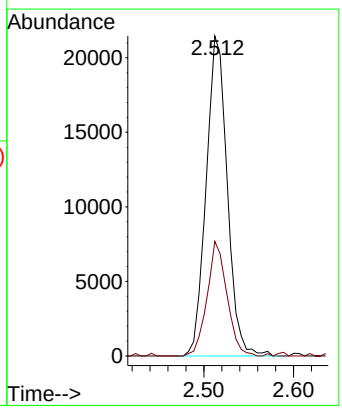


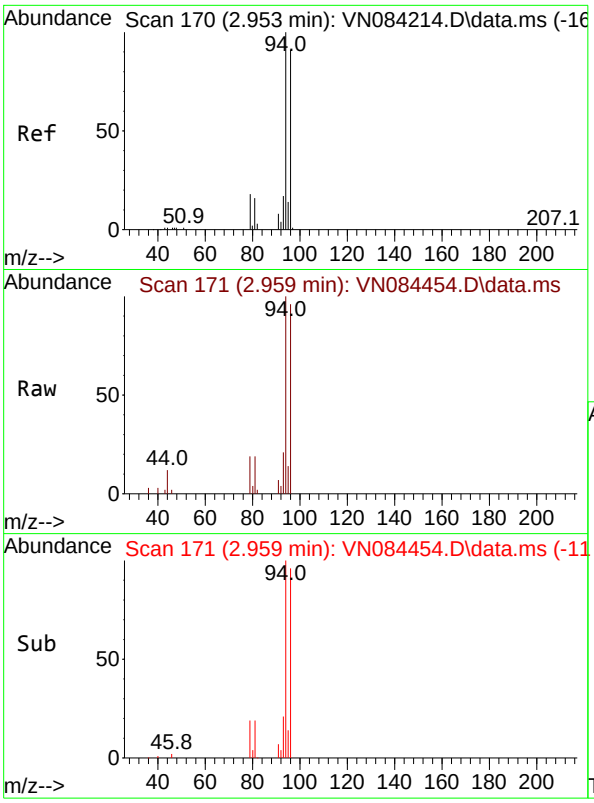


#4
Vinyl Chloride
Concen: 16.474 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 62 Resp: 35054

Ion	Ratio	Lower	Upper
62	100		
64	35.8	26.2	39.4



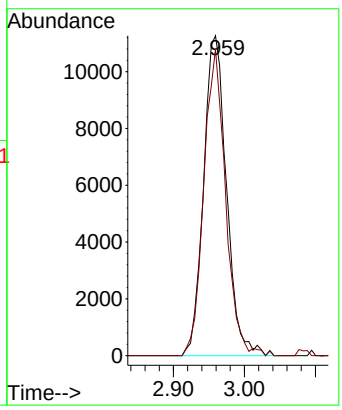


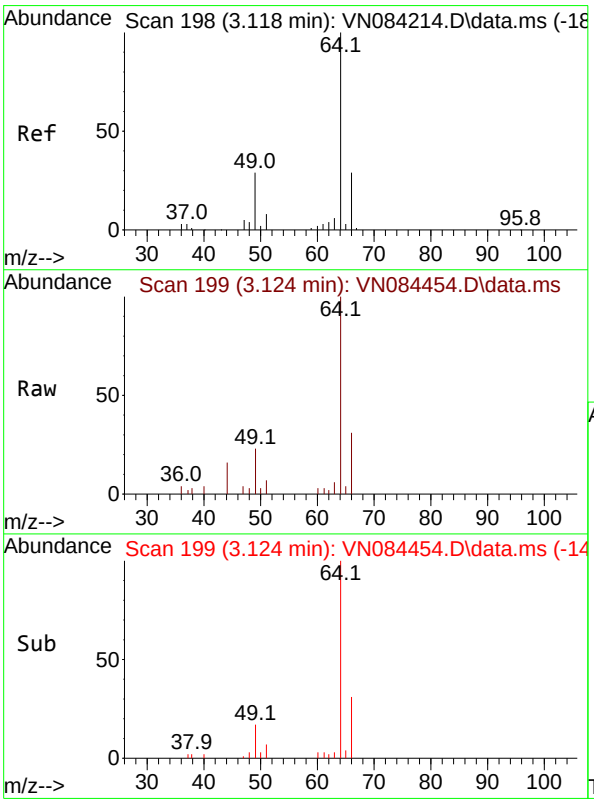
#5
Bromomethane
Concen: 18.031 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 94 Resp: 25307

Ion	Ratio	Lower	Upper
94	100		
96	95.9	72.9	109.3

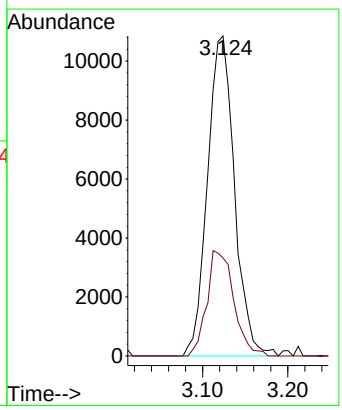


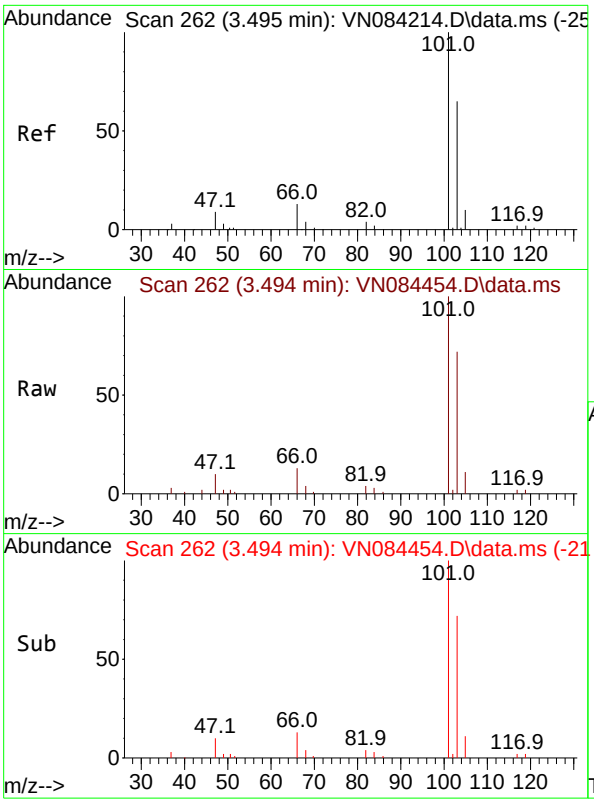


#6
Chloroethane
Concen: 15.683 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 64 Resp: 23899

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



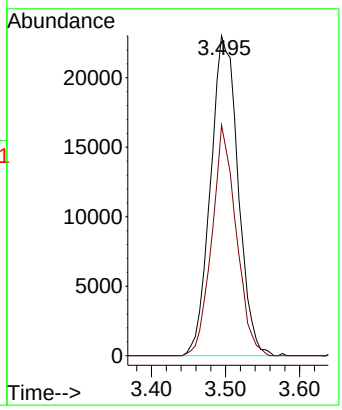


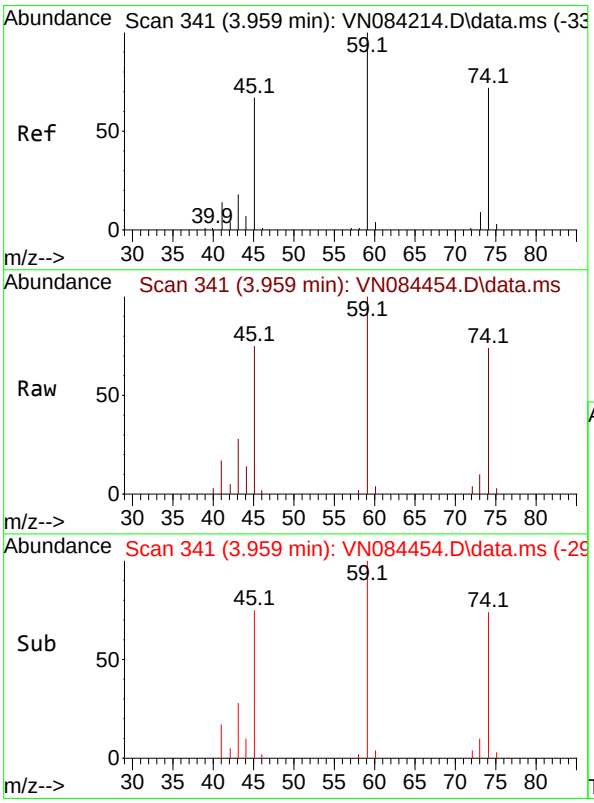
#7
Trichlorofluoromethane
Concen: 17.905 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:101 Resp: 59328

Ion	Ratio	Lower	Upper
101	100		
103	72.0	51.8	77.6

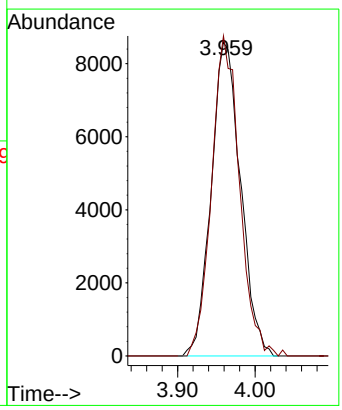


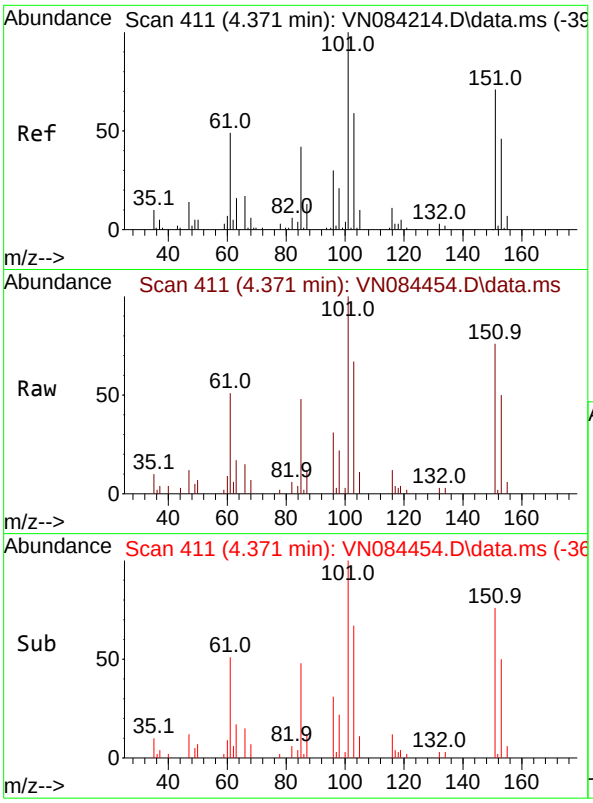


#8
Diethyl Ether
Concen: 18.418 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 74 Resp: 22634

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1



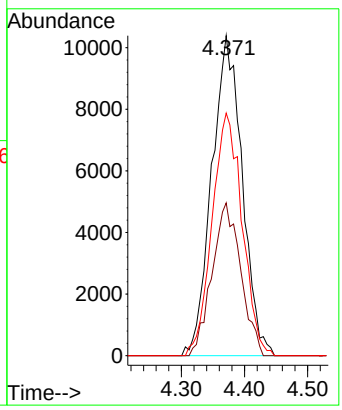


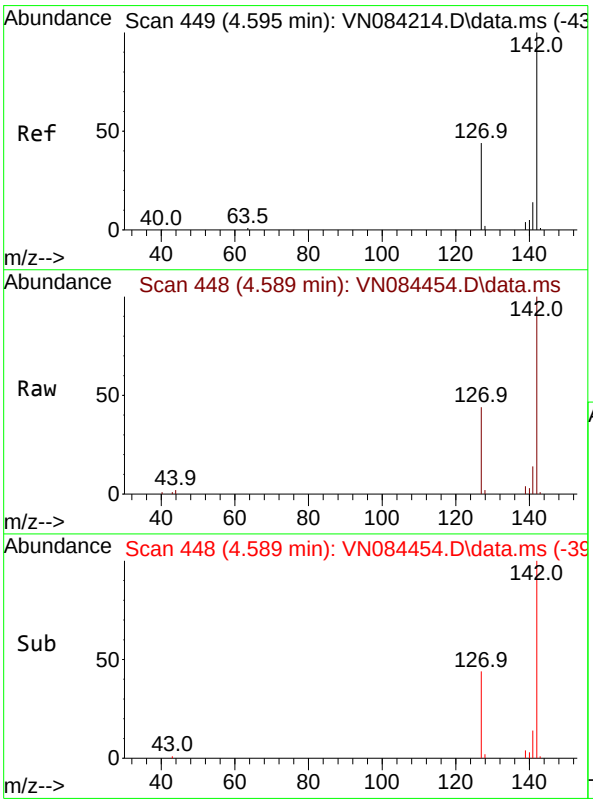
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.317 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:101 Resp: 34776

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	74.8	59.3	88.9

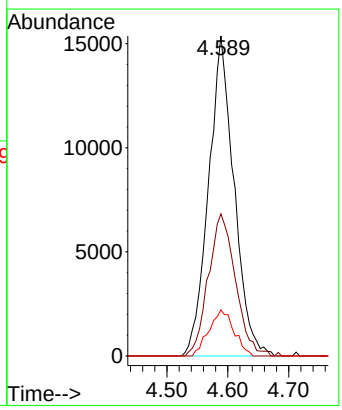


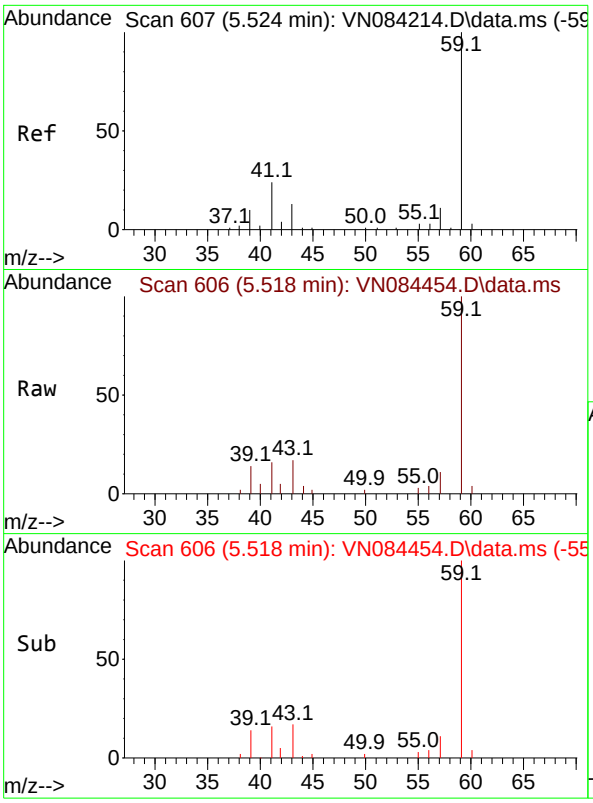


#10
Methyl Iodide
Concen: 18.277 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:142 Resp: 44688

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	14.4	11.0	16.6



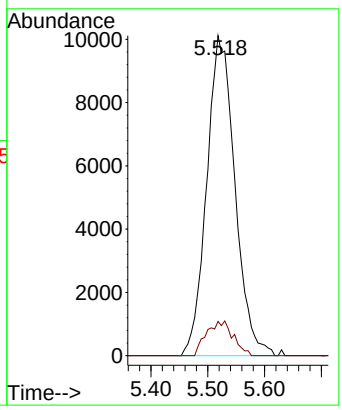


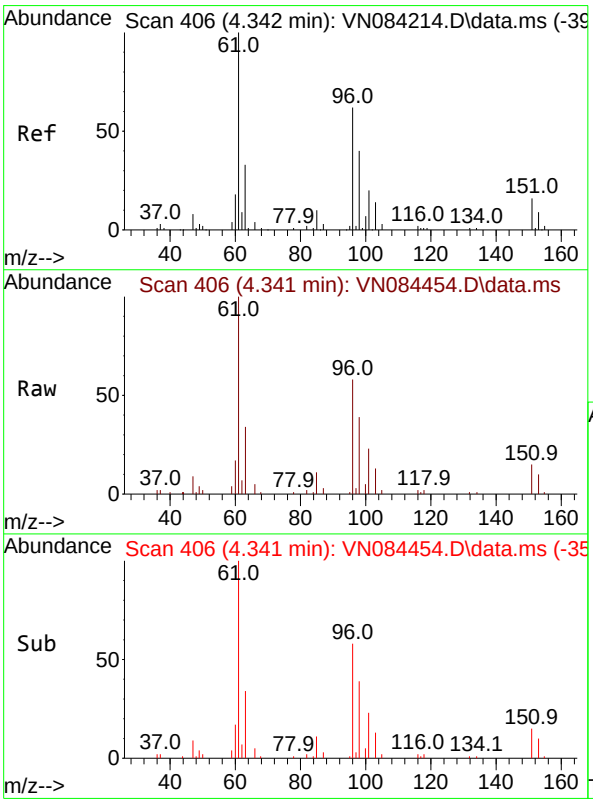
#11
Tert butyl alcohol
Concen: 87.746 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 59 Resp: 34892

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

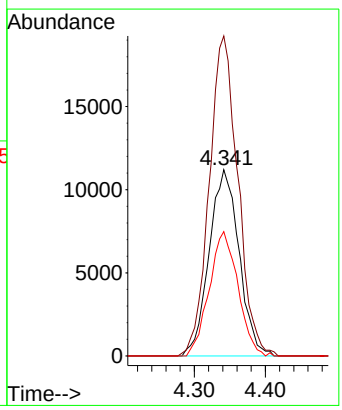


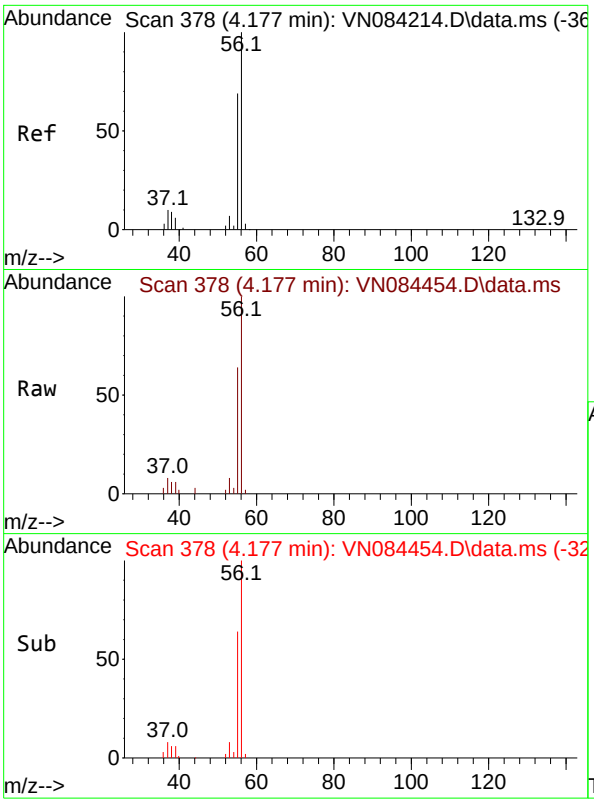


#12
1,1-Dichloroethene
Concen: 17.894 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 96 Resp: 32769

Ion	Ratio	Lower	Upper
96	100		
61	171.8	128.6	192.8
98	66.8	51.7	77.5



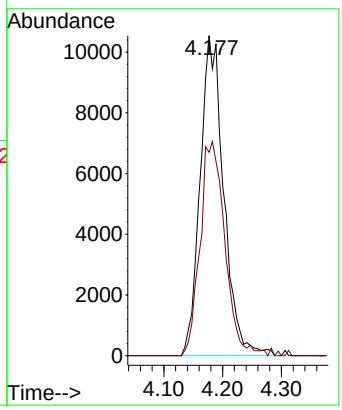


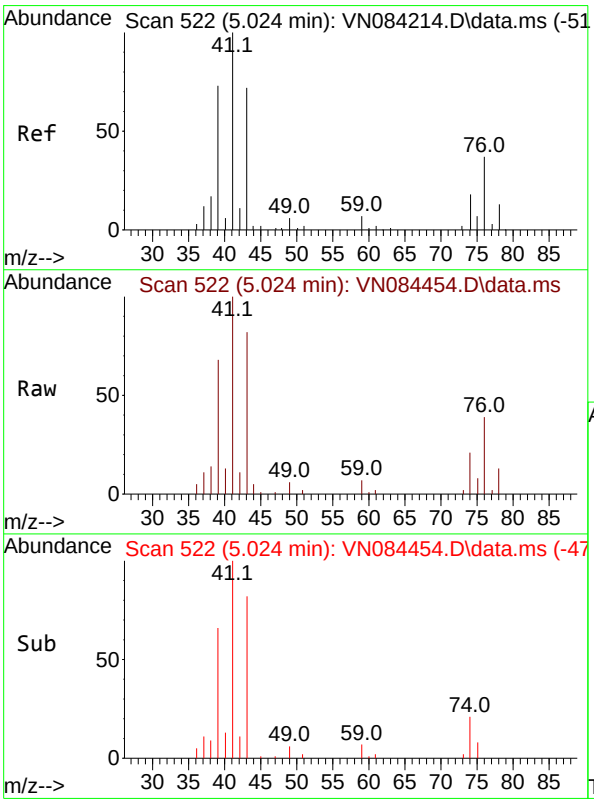
#13
Acrolein
Concen: 64.411 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 56 Resp: 29404

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

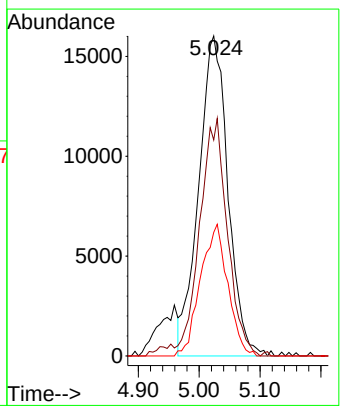


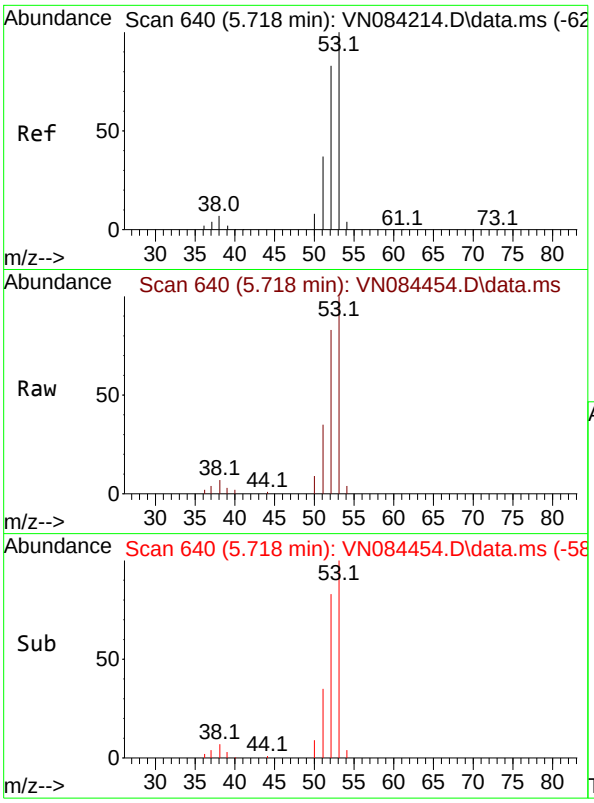


#14
Allyl chloride
Concen: 16.847 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 41 Resp: 53581

Ion	Ratio	Lower	Upper
41	100		
39	71.8	59.0	88.6
76	38.3	29.8	44.6



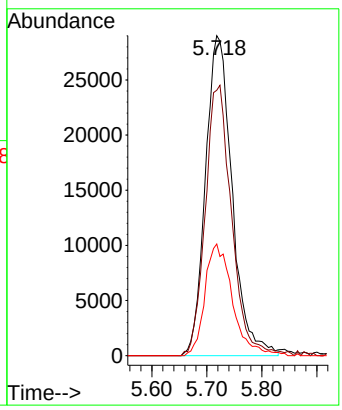


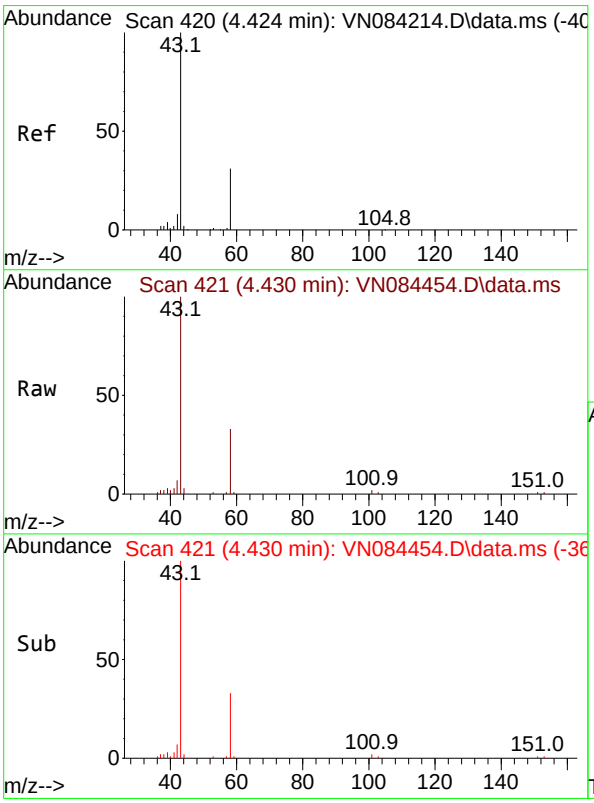
#15
Acrylonitrile
Concen: 97.270 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 53 Resp: 97676

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.4
51	36.2	28.8	43.2

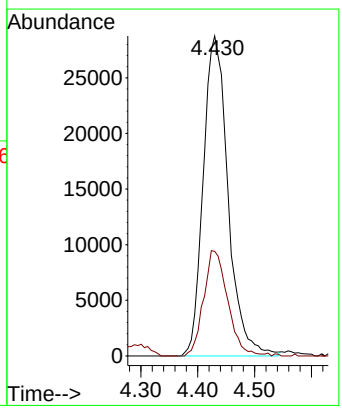


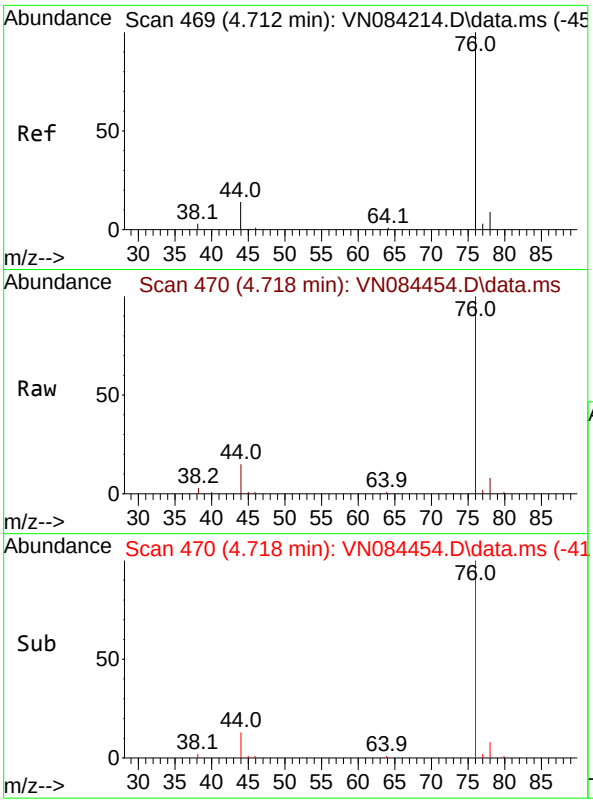


#16
Acetone
Concen: 84.111 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 87135

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.4	36.6



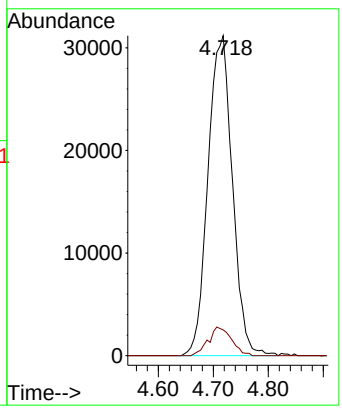


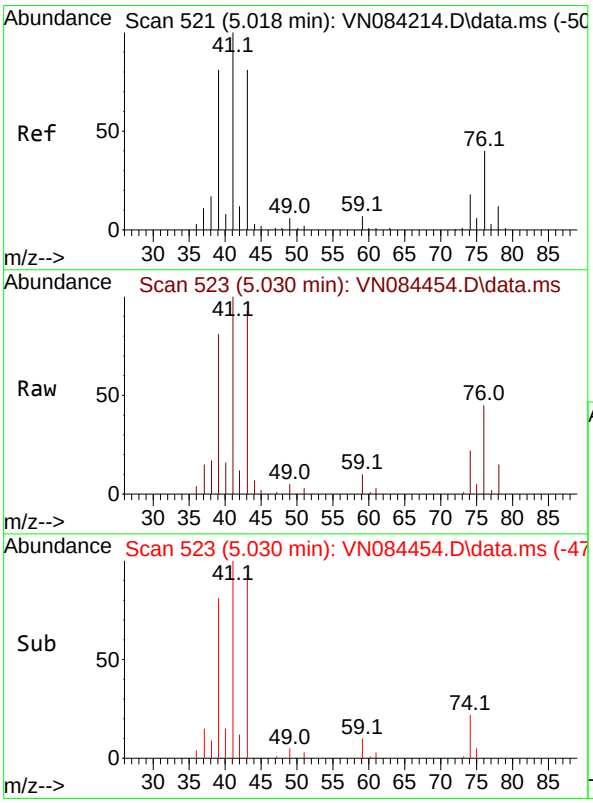
#17
Carbon Disulfide
Concen: 16.603 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 76 Resp: 96268

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

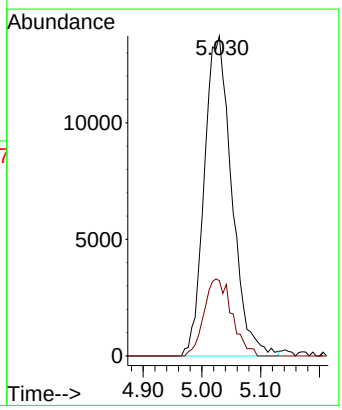


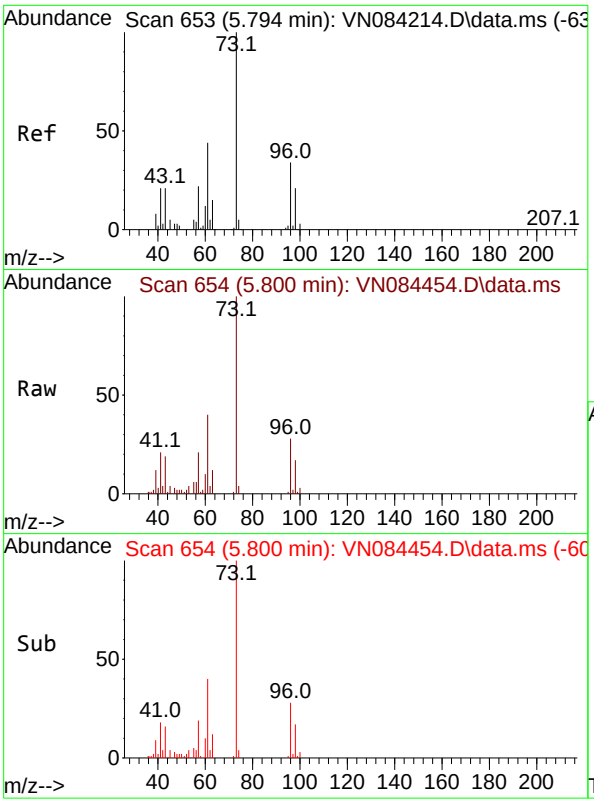


#18
Methyl Acetate
Concen: 19.744 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 44581

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



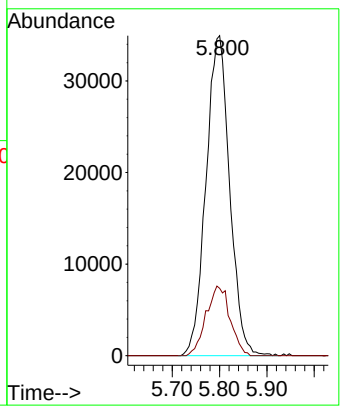


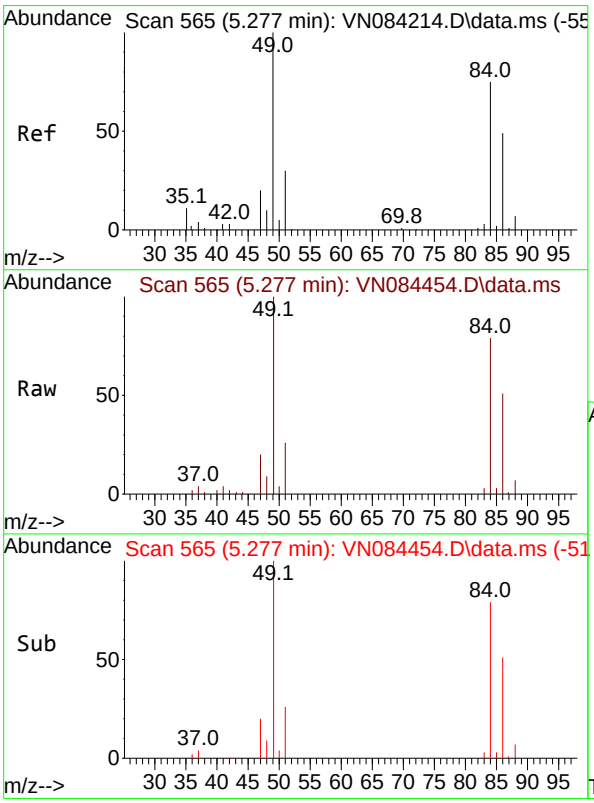
#19
Methyl tert-butyl Ether
Concen: 19.617 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 73 Resp: 121253

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5

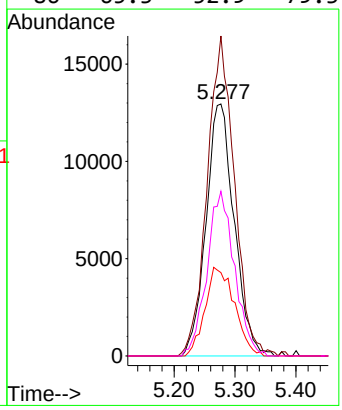


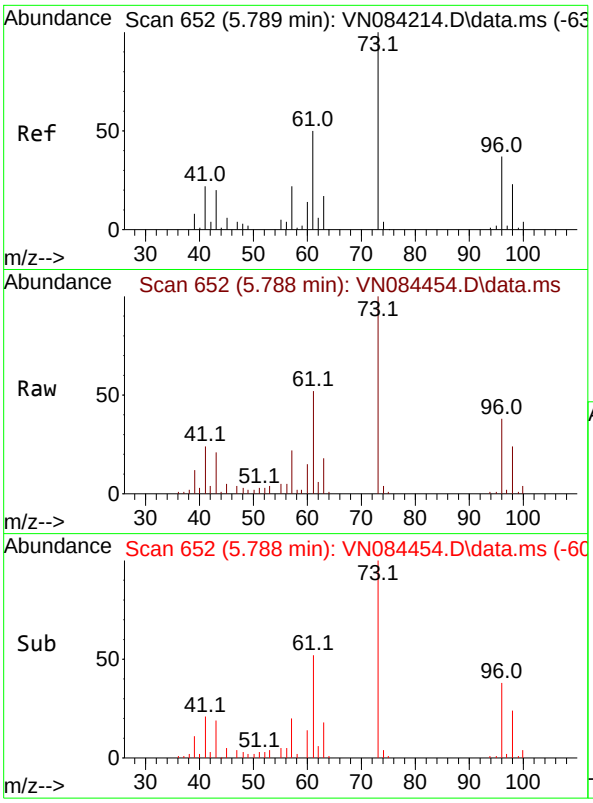


#20
Methylene Chloride
Concen: 19.762 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 84 Resp: 41617

Ion	Ratio	Lower	Upper
84	100		
49	126.9	107.2	160.8
51	33.1	31.8	47.8
86	65.3	52.9	79.3



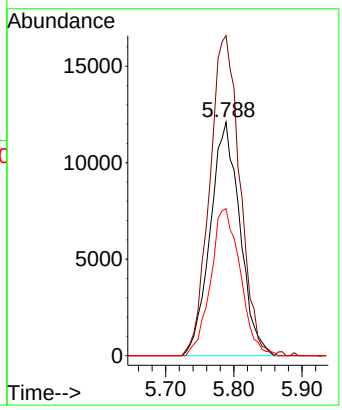


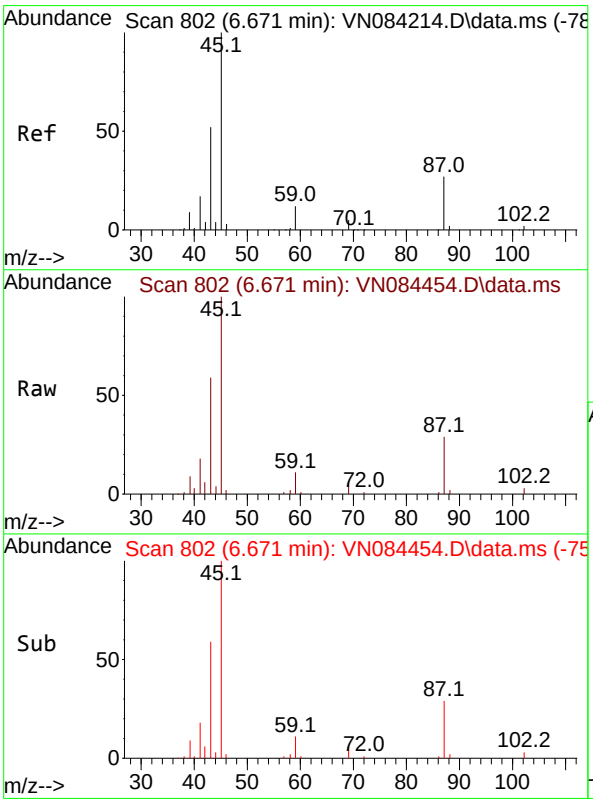
#21
trans-1,2-Dichloroethene
Concen: 19.082 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 96 Resp: 36611

Ion	Ratio	Lower	Upper
96	100		
61	137.1	108.4	162.6
98	63.0	49.8	74.8

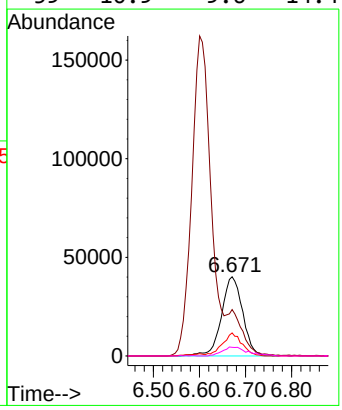


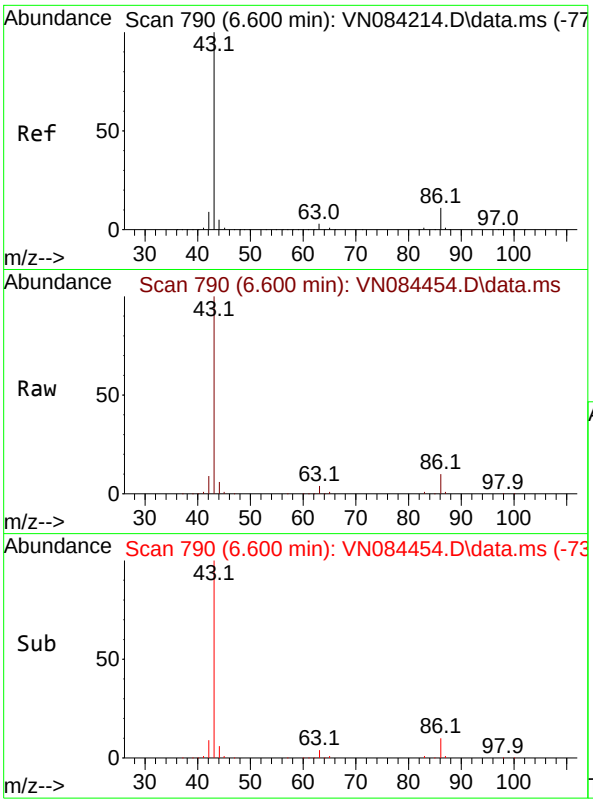


#22
Diisopropyl ether
Concen: 19.425 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 45 Resp: 127788

Ion	Ratio	Lower	Upper
45	100		
43	57.3	42.3	63.5
87	29.0	21.8	32.6
59	10.9	9.6	14.4



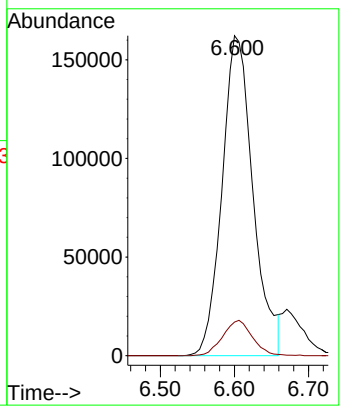


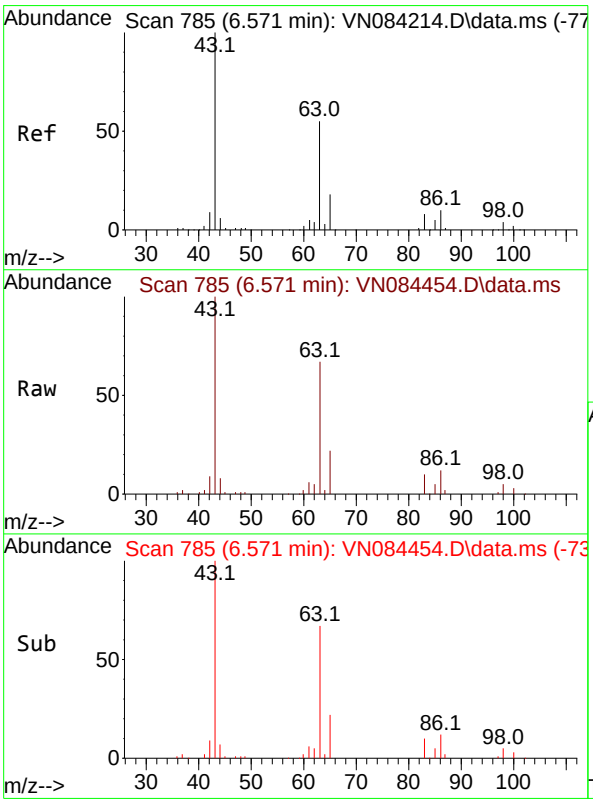
#23
Vinyl Acetate
Concen: 96.571 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 471205

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8

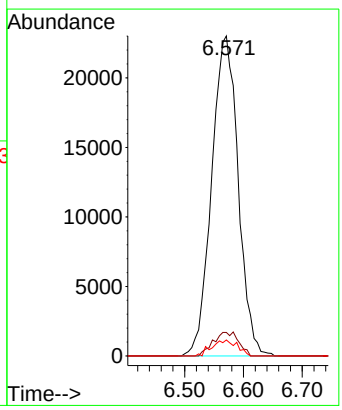


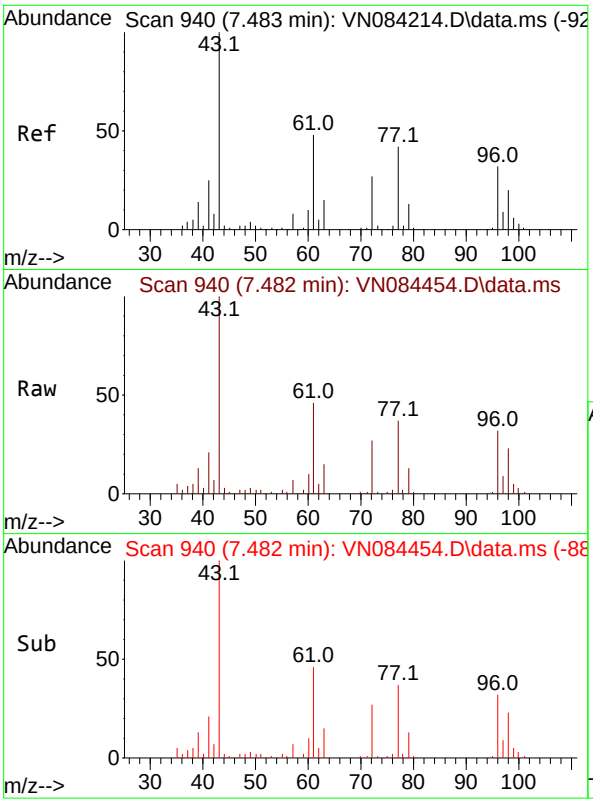


#24
1,1-Dichloroethane
Concen: 19.609 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 63 Resp: 72140

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	5.0	2.0	5.8



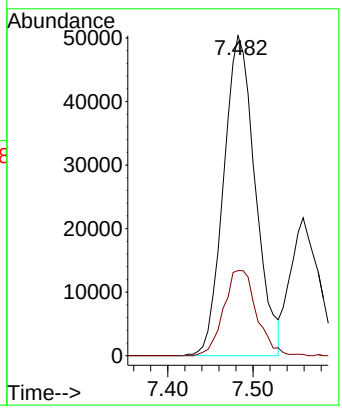


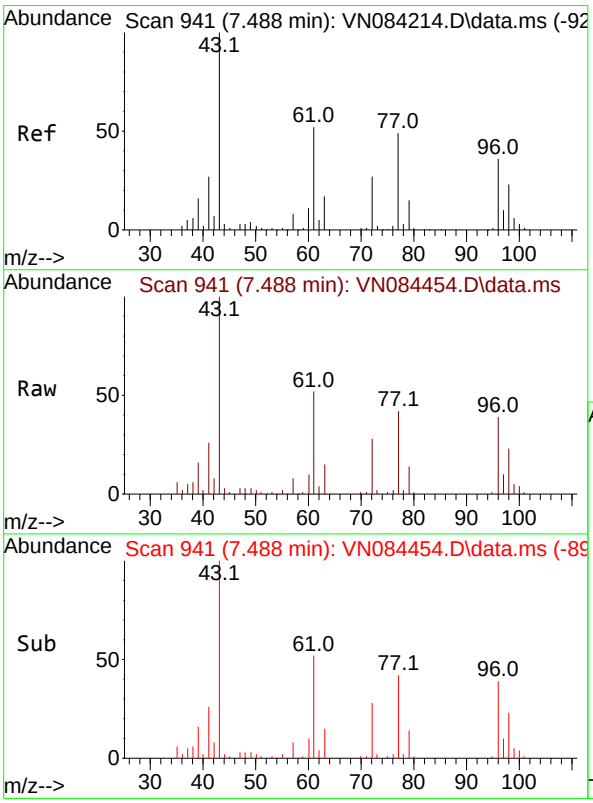
#25
2-Butanone
Concen: 92.281 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 130207

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2

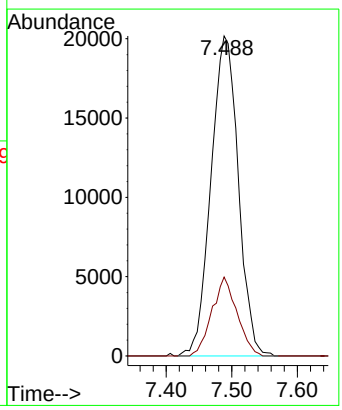


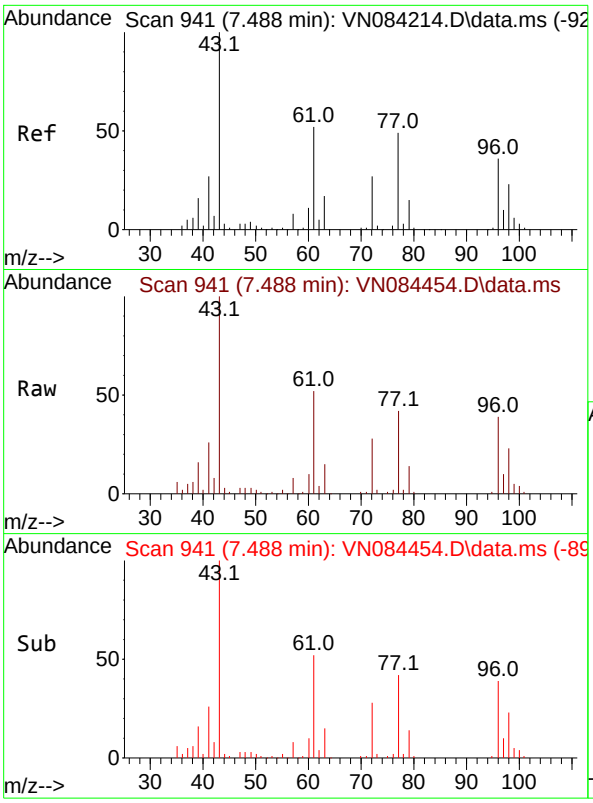


#26
2,2-Dichloropropane
Concen: 17.571 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 77 Resp: 58286

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3



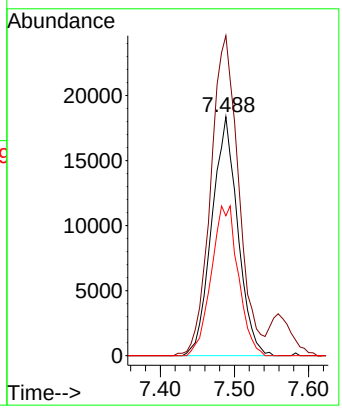


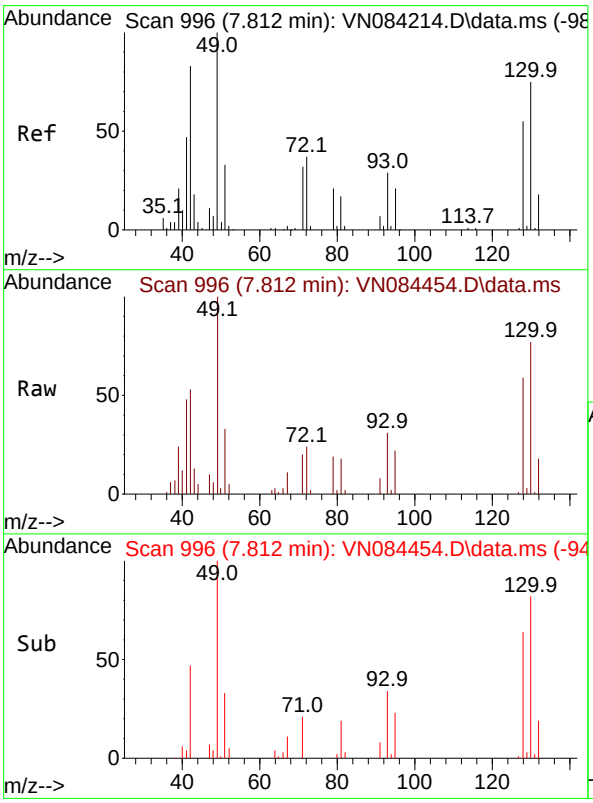
#27
cis-1,2-Dichloroethene
Concen: 19.262 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 96 Resp: 44657

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	301.8
98	65.4	0.0	128.2

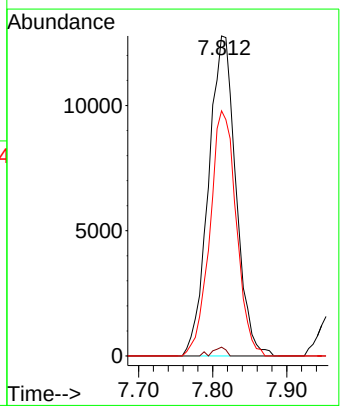


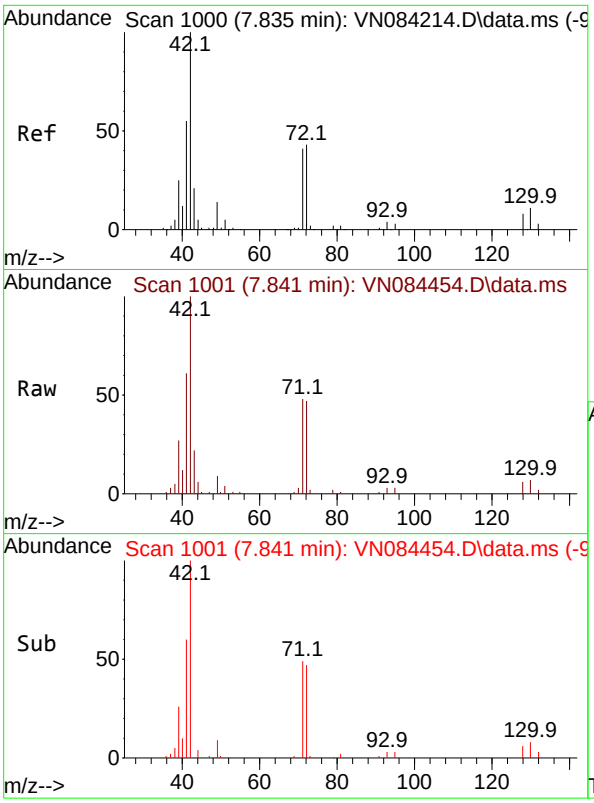


#28
Bromochloromethane
Concen: 19.982 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 49 Resp: 32800

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	73.9	58.0	87.0



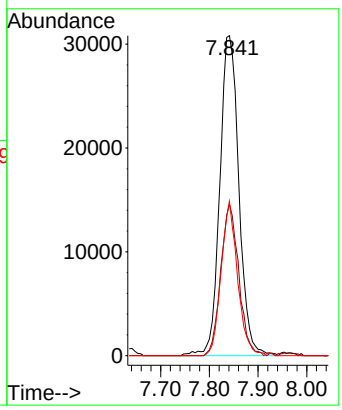


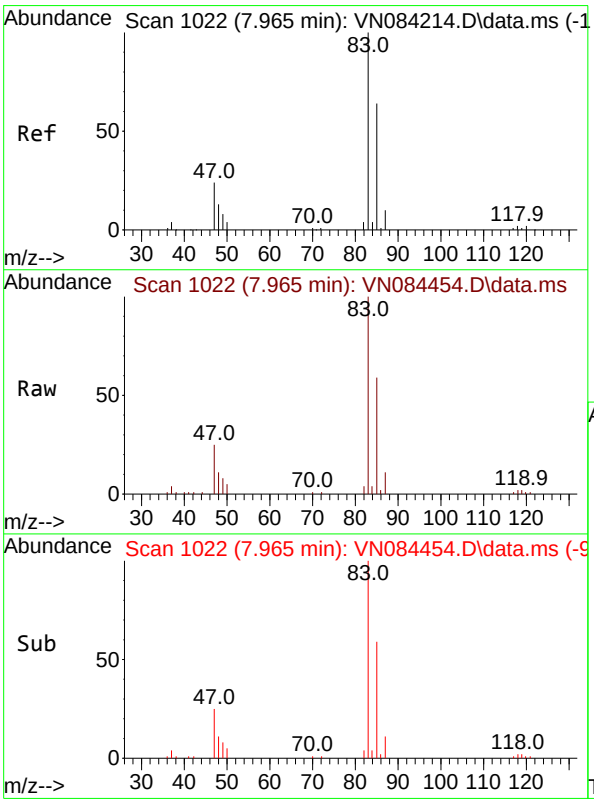
#29
Tetrahydrofuran
Concen: 96.717 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 42 Resp: 84216

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.4	32.2	48.4

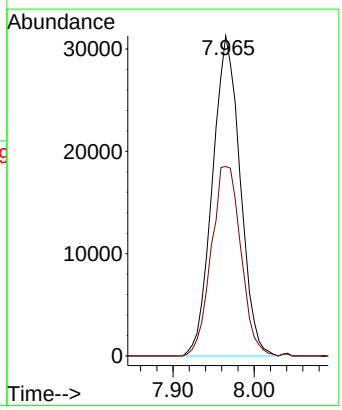


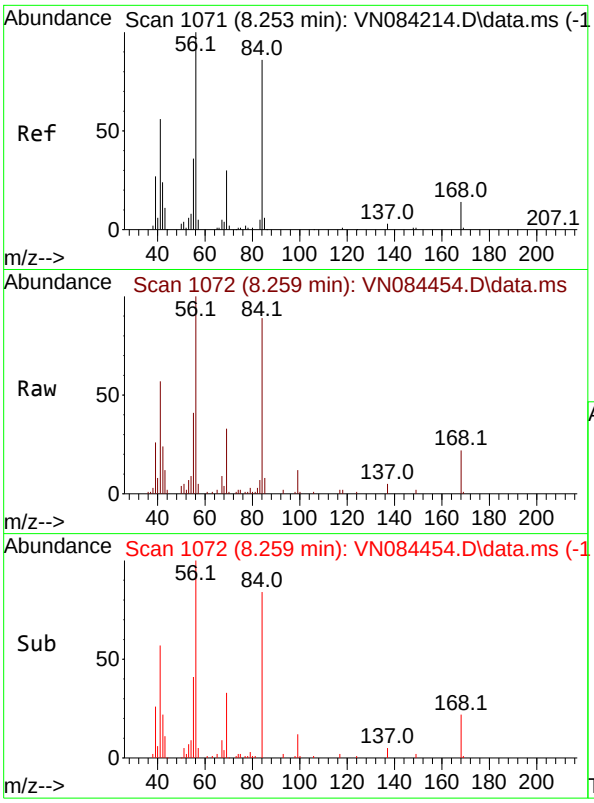


#30
Chloroform
Concen: 19.421 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 83 Resp: 74218

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.0	76.4



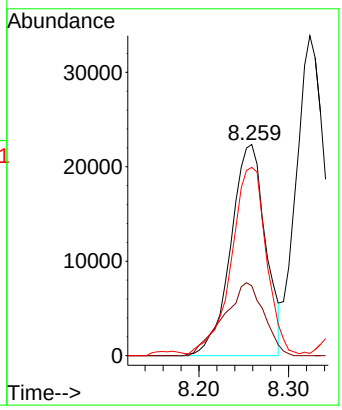


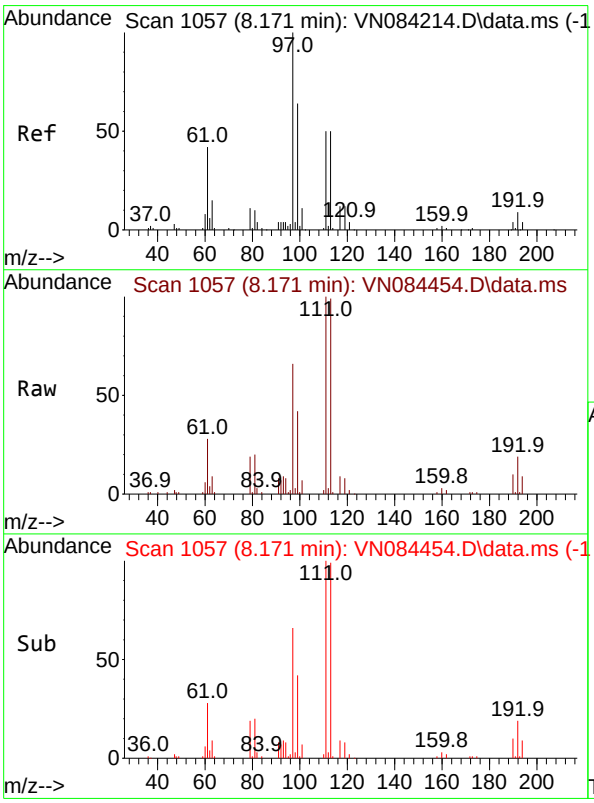
#31
Cyclohexane
Concen: 16.784 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 56 Resp: 59952

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.8	35.6
84	87.5	68.8	103.2

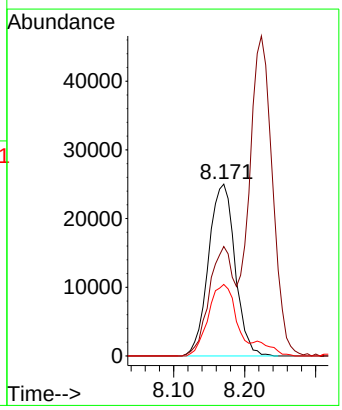


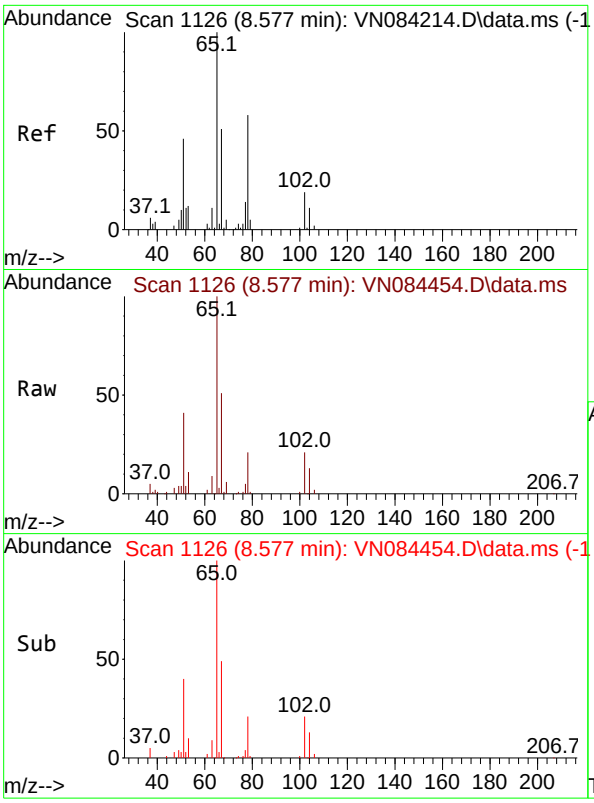


#32
1,1,1-Trichloroethane
Concen: 18.885 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 97 Resp: 64815

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.2	76.8
61	43.4	37.5	56.3



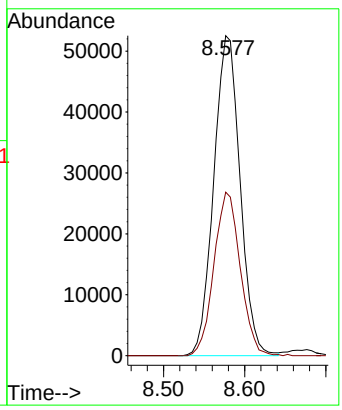


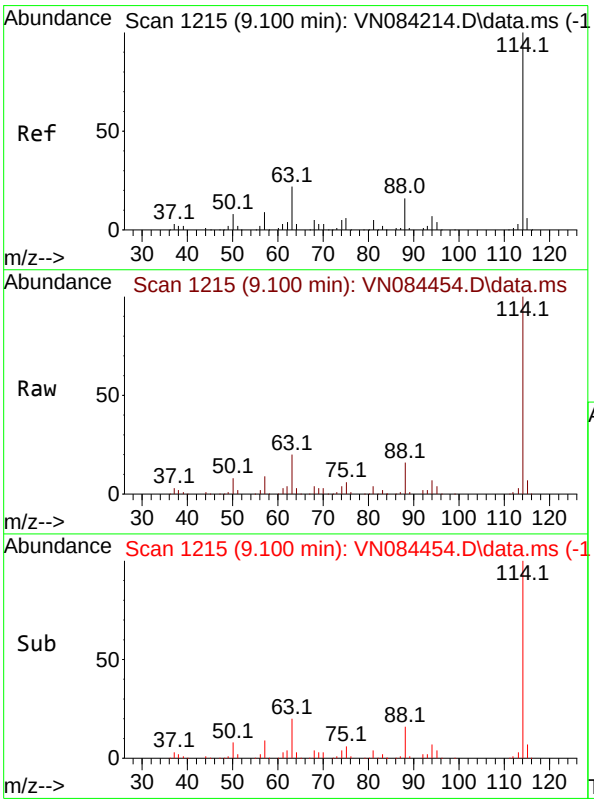
#33
1,2-Dichloroethane-d4
Concen: 49.091 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 65 Resp: 118385

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0

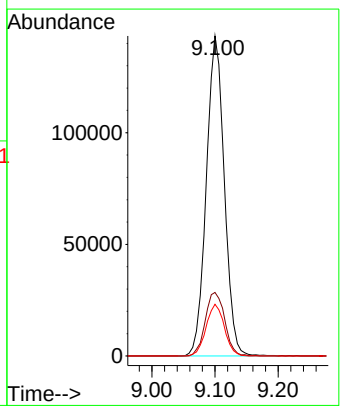


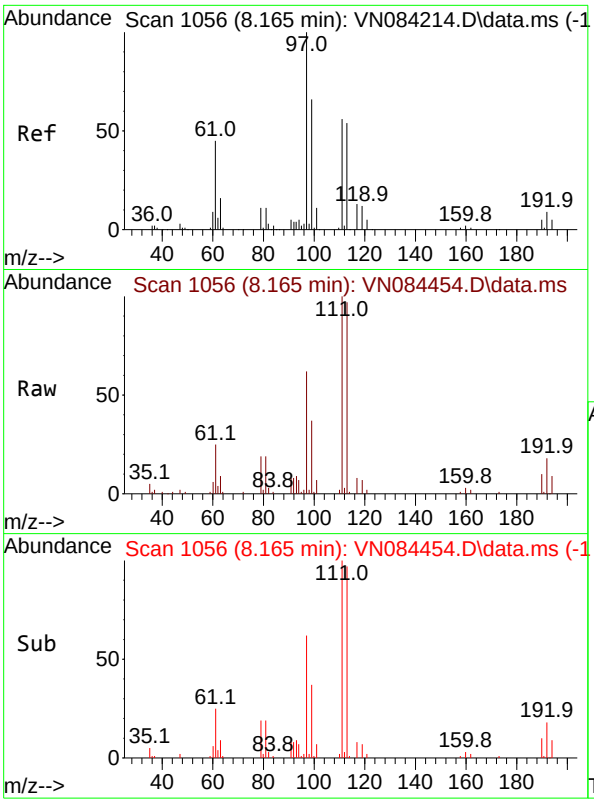


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:114 Resp: 284290

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	16.2	0.0	31.6



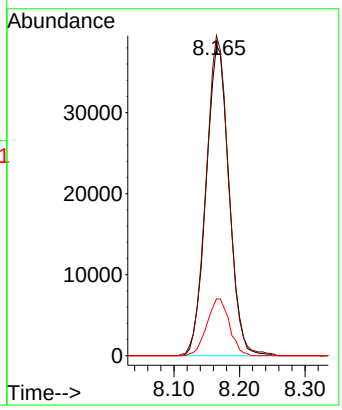


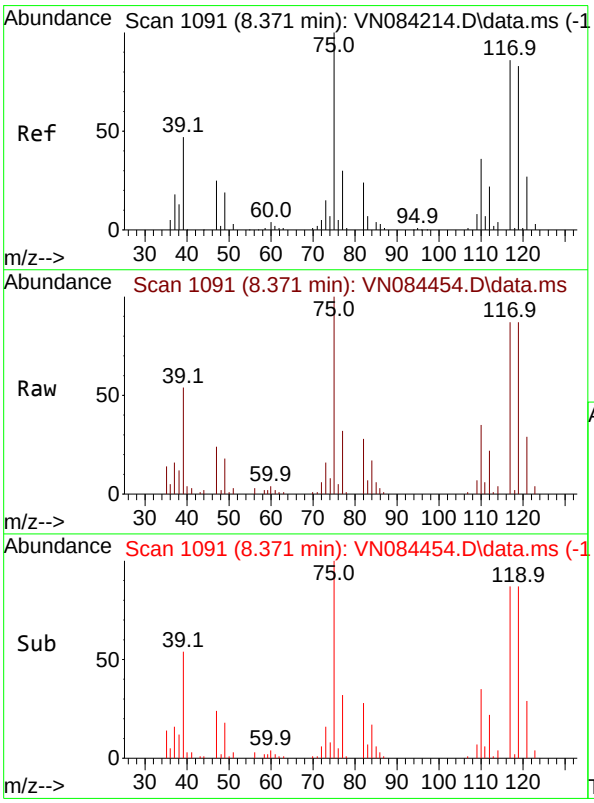
#35
Dibromofluoromethane
Concen: 49.514 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:113 Resp: 92800

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	18.0	13.5	20.3

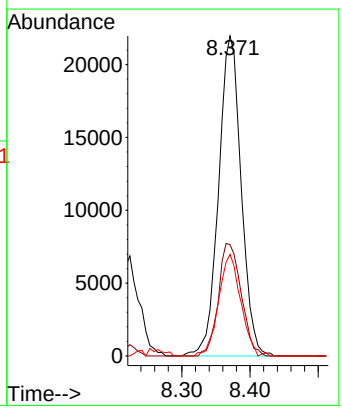


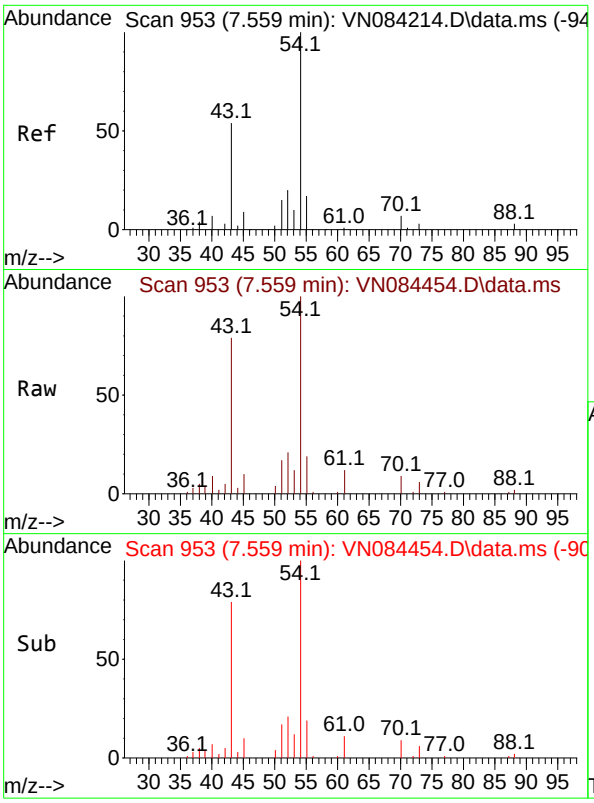


#36
1,1-Dichloropropene
Concen: 18.560 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 50527

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	31.2	24.7	37.1



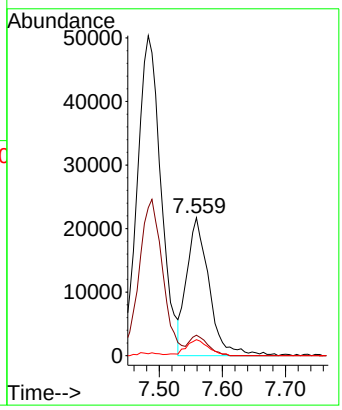


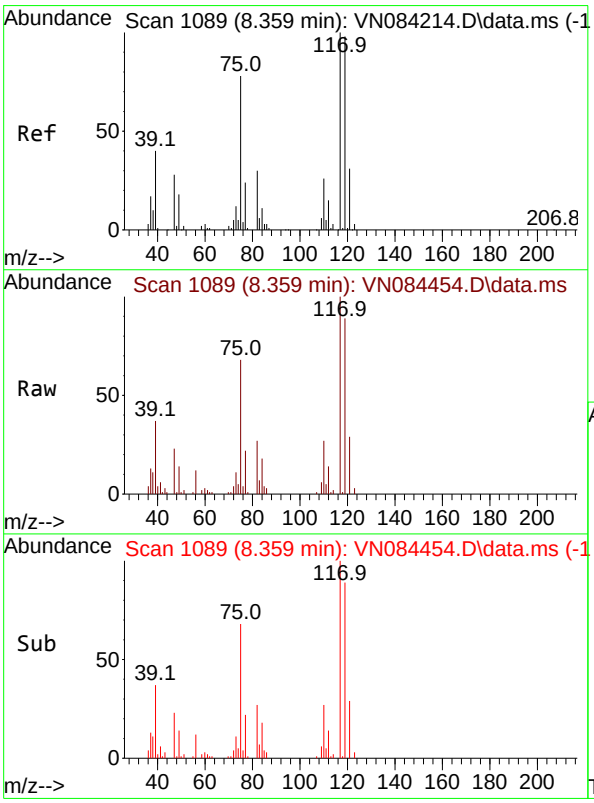
#37
Ethyl Acetate
Concen: 19.148 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 53479

Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.7	16.1
70	11.7	8.8	13.2

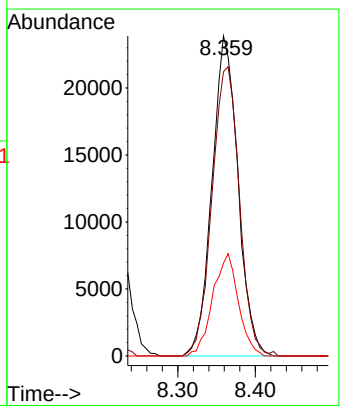


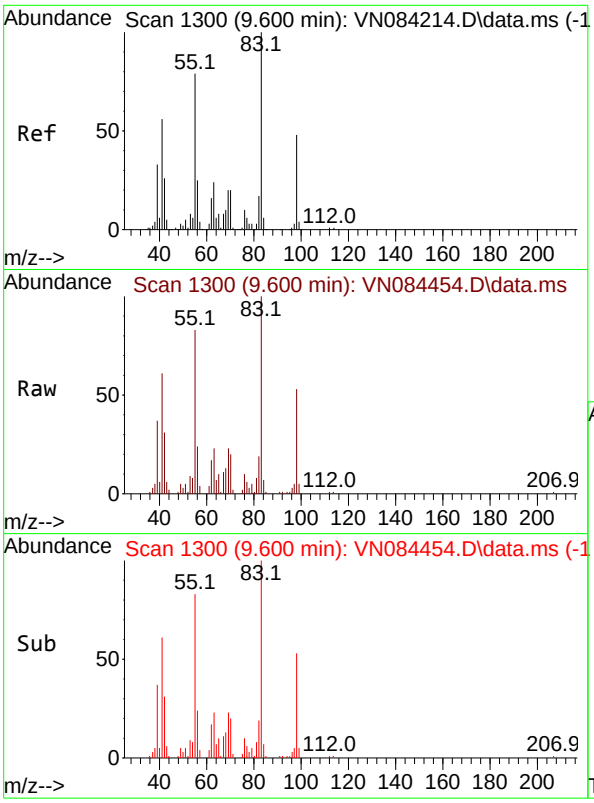


#38
Carbon Tetrachloride
Concen: 18.596 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:117 Resp: 55533

Ion	Ratio	Lower	Upper
117	100		
119	88.8	78.7	118.1
121	29.0	24.4	36.6



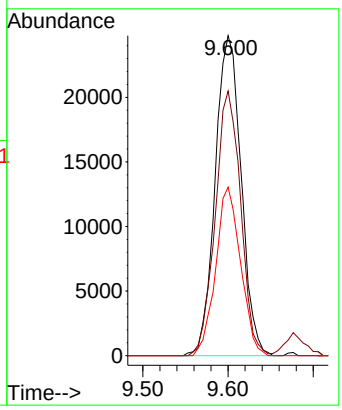


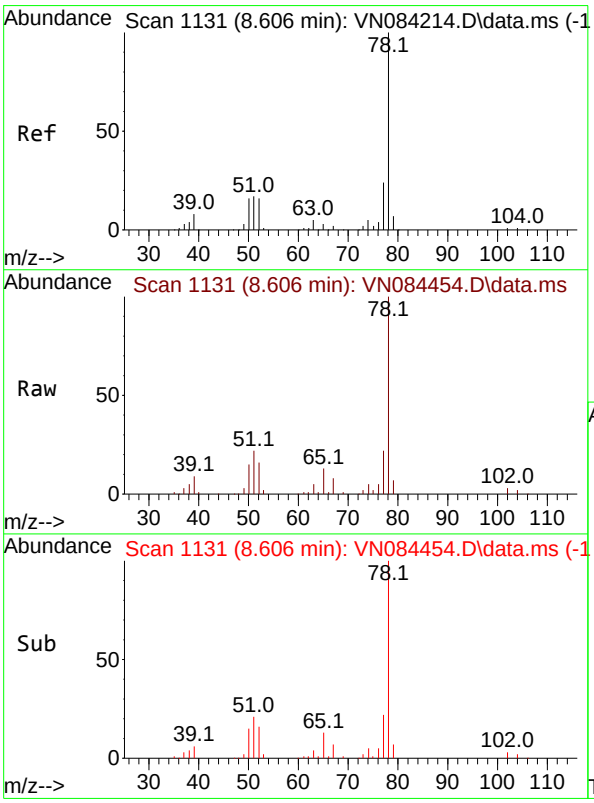
#39
Methylcyclohexane
Concen: 17.305 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 83 Resp: 52431

Ion	Ratio	Lower	Upper
83	100		
55	82.7	62.8	94.2
98	52.7	38.8	58.2

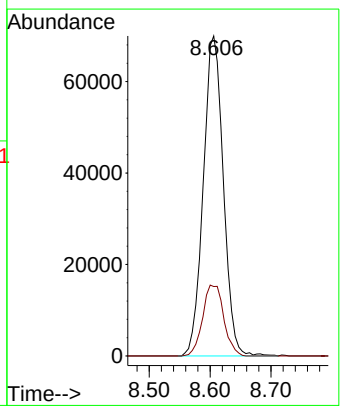


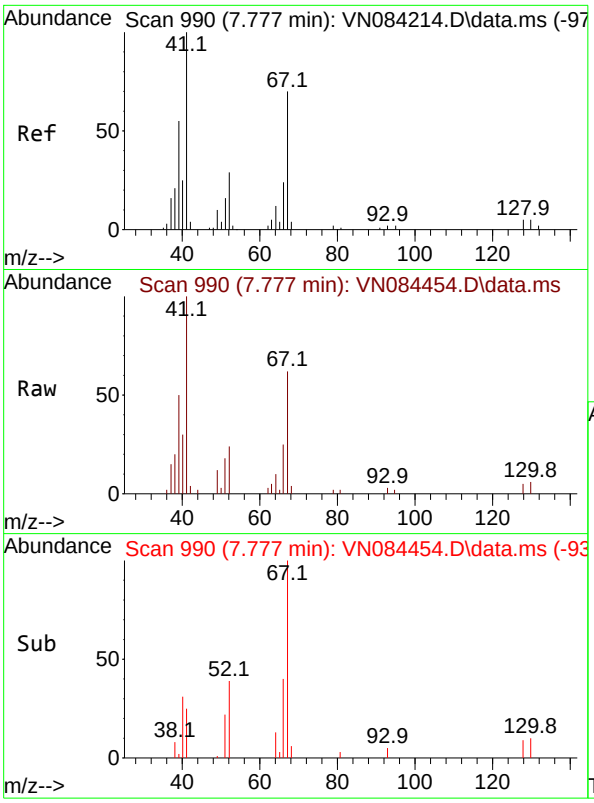


#40
Benzene
Concen: 18.871 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 78 Resp: 160063

Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.1	28.7



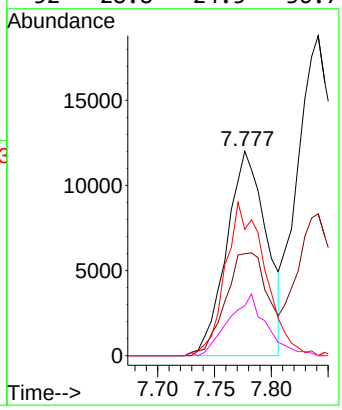


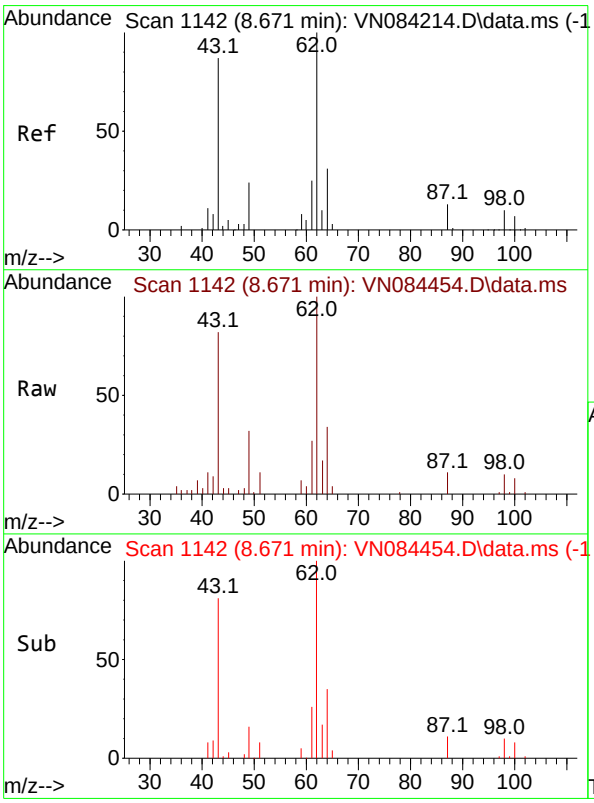
#41
Methacrylonitrile
Concen: 19.263 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 41 Resp: 29208

Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	74.9	56.1	84.1
52	28.8	24.5	36.7

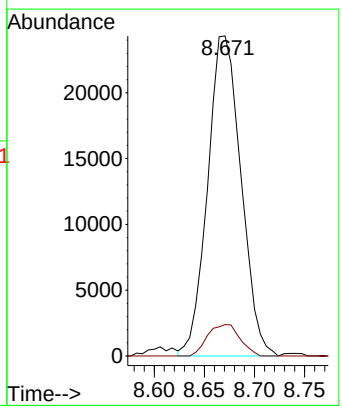


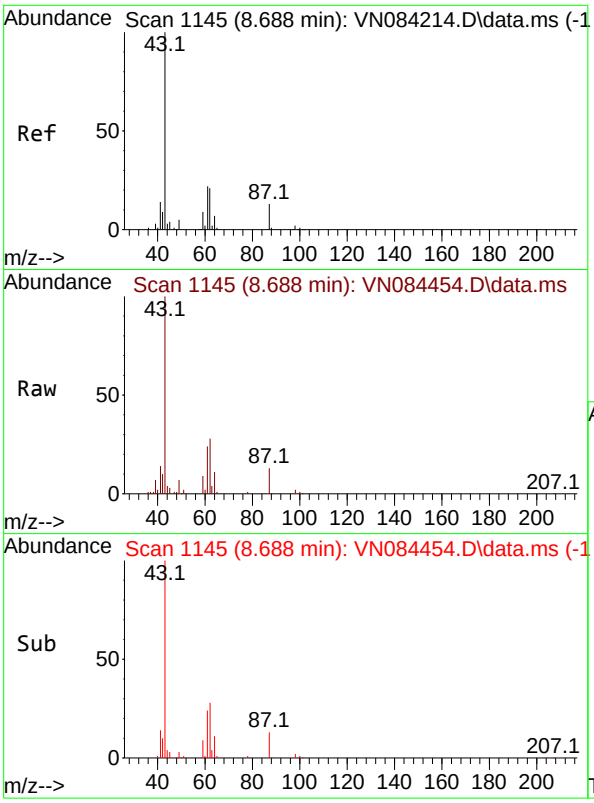


#42
1,2-Dichloroethane
Concen: 19.601 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 62 Resp: 56362

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



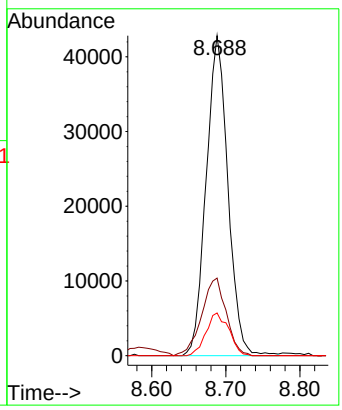


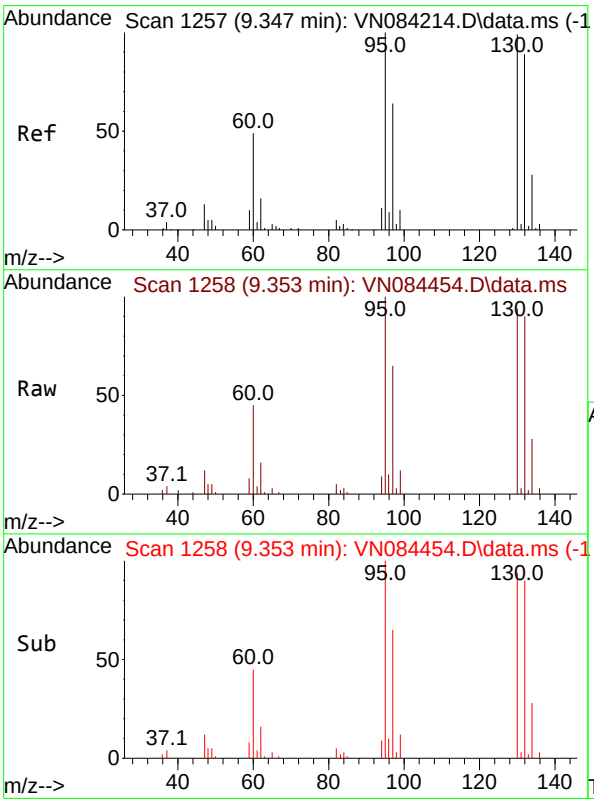
#43
Isopropyl Acetate
Concen: 15.964 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 87329

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.4	30.6
87	14.0	10.3	15.5

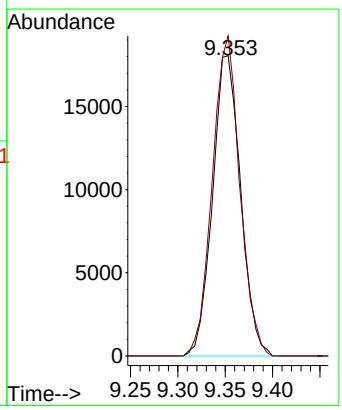


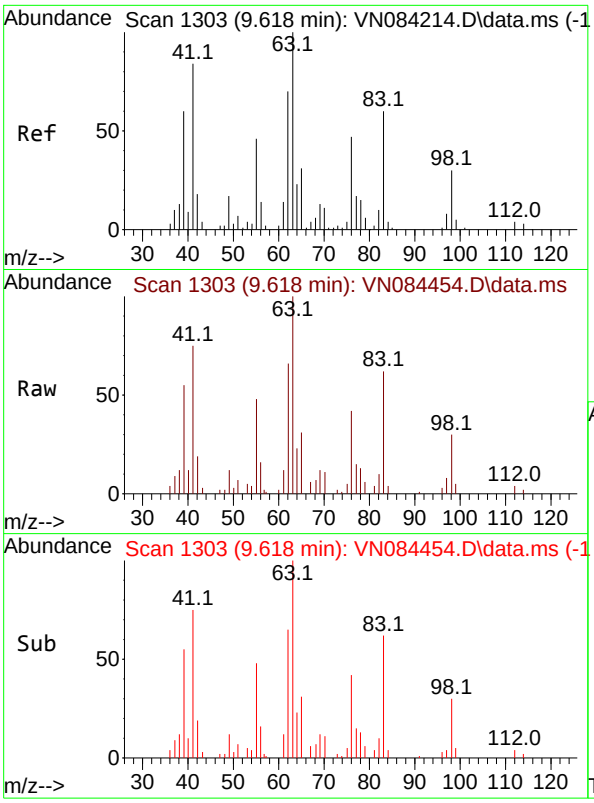


#44
Trichloroethene
Concen: 18.776 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:130 Resp: 37196

Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	203.0



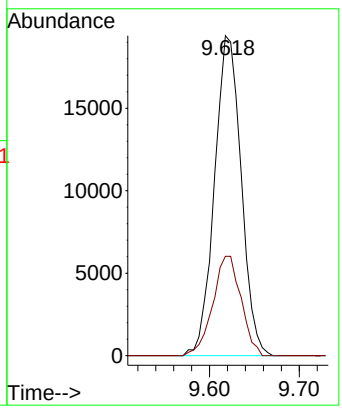


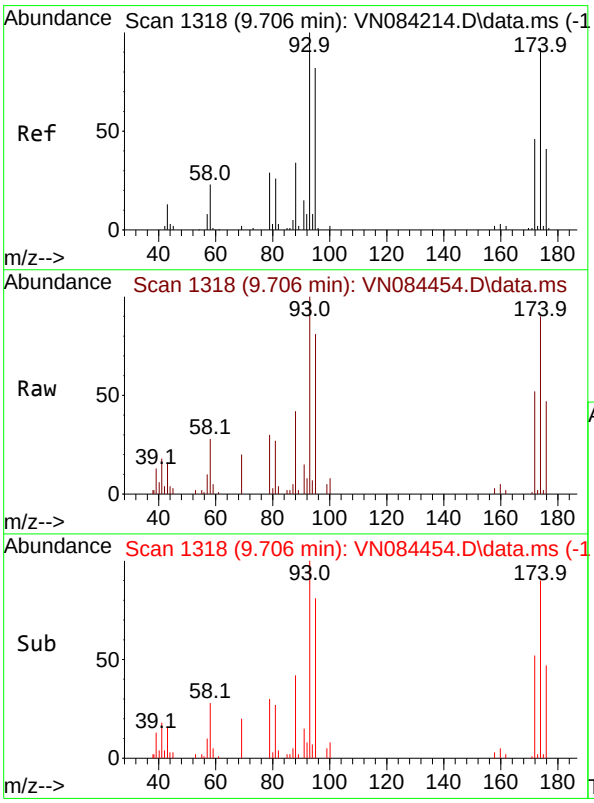
#45
1,2-Dichloropropane
Concen: 19.951 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 63 Resp: 40032

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	37.0

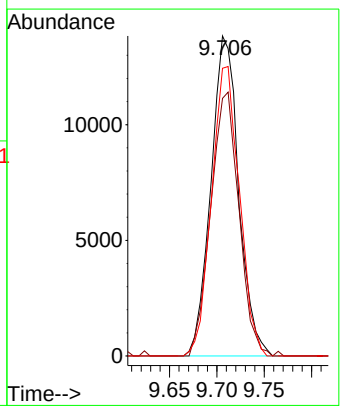


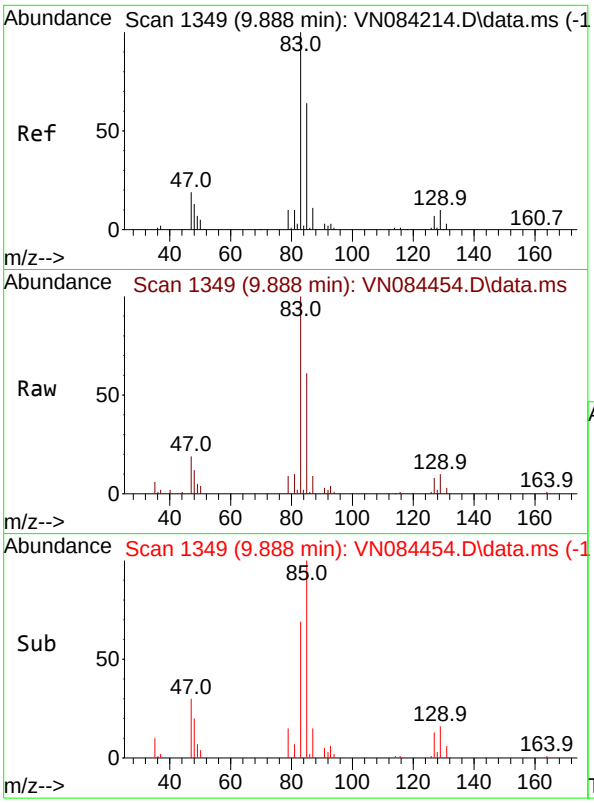


#46
Dibromomethane
Concen: 20.861 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 93 Resp: 28247

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.0	97.4
174	90.9	71.8	107.8



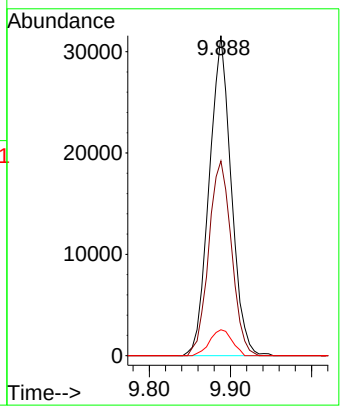


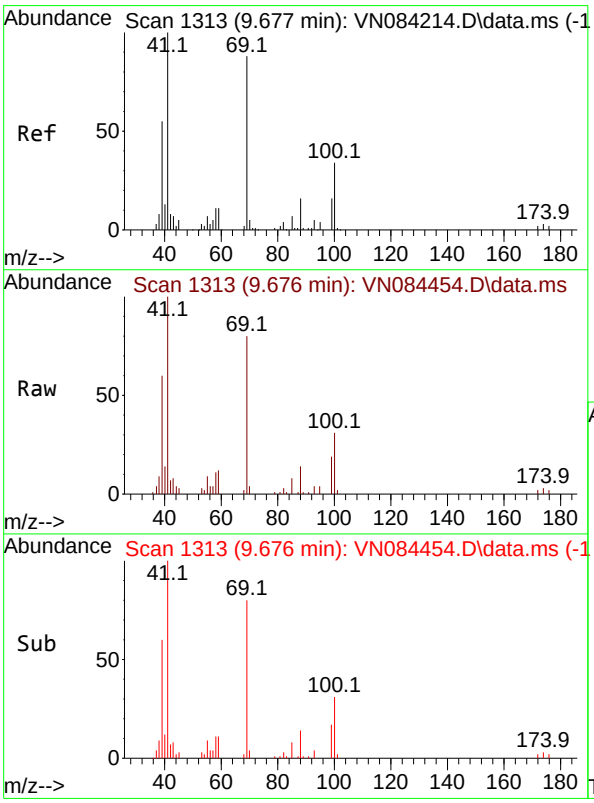
#47
Bromodichloromethane
Concen: 19.752 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 83 Resp: 59421

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3
127	8.1	5.7	8.5

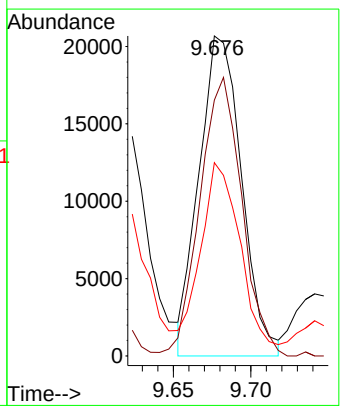


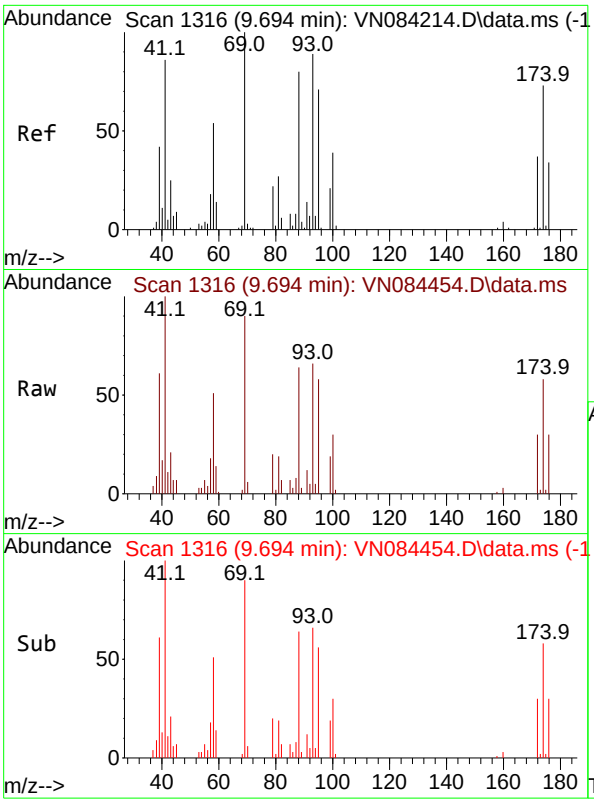


#48
Methyl methacrylate
Concen: 18.117 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 41 Resp: 39452

Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.1	100.7
39	58.7	45.8	68.6



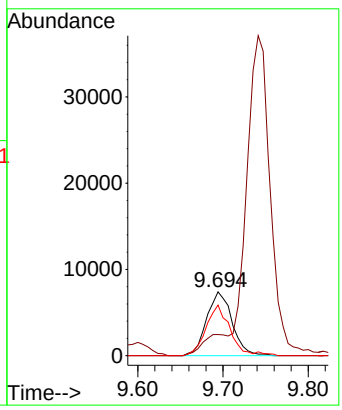


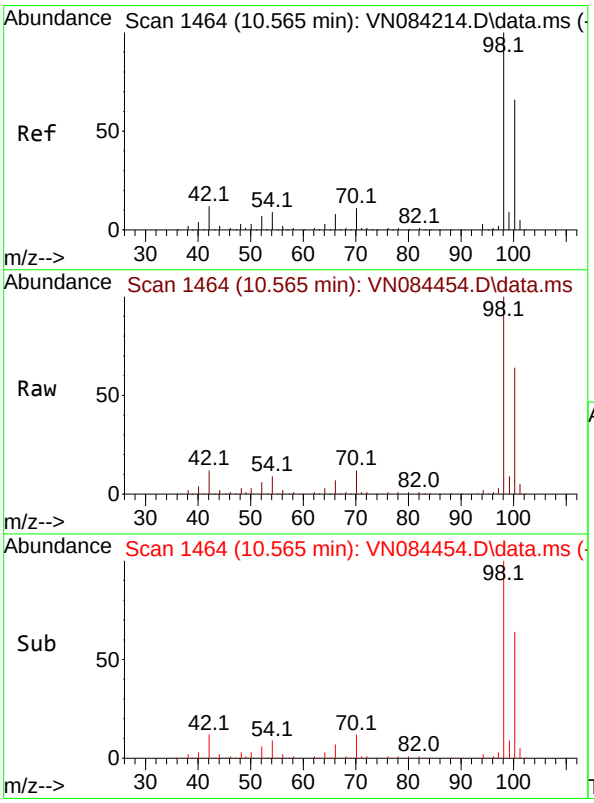
#49
1,4-Dioxane
Concen: 384.377 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 88 Resp: 15410

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.3	37.9
58	72.8	56.4	84.6

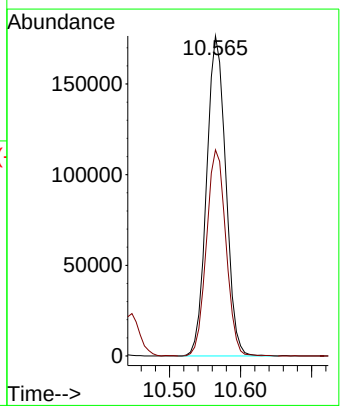


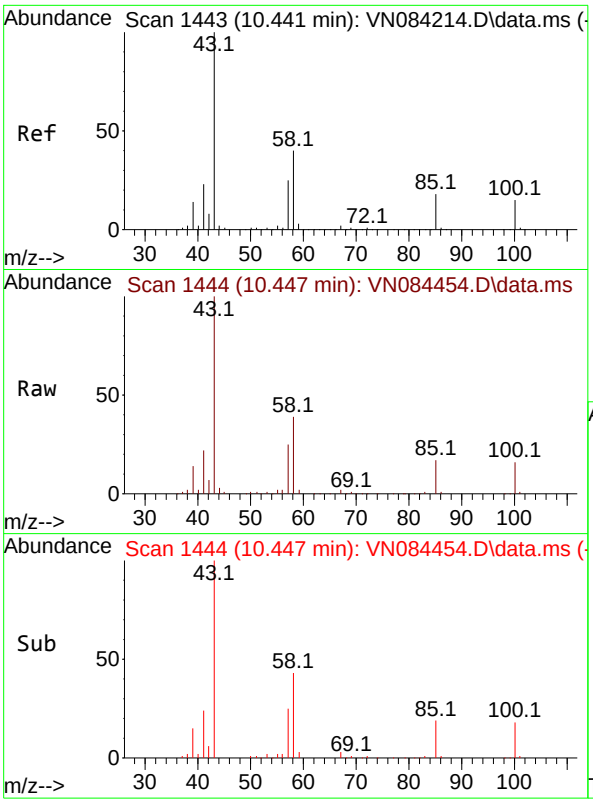


#50
Toluene-d8
Concen: 48.033 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 98 Resp: 331212

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



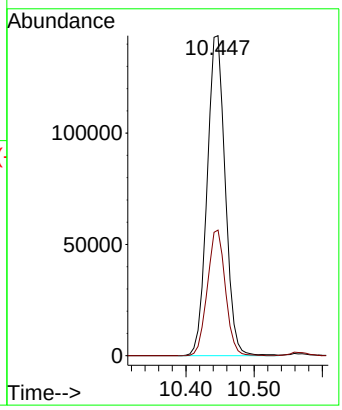


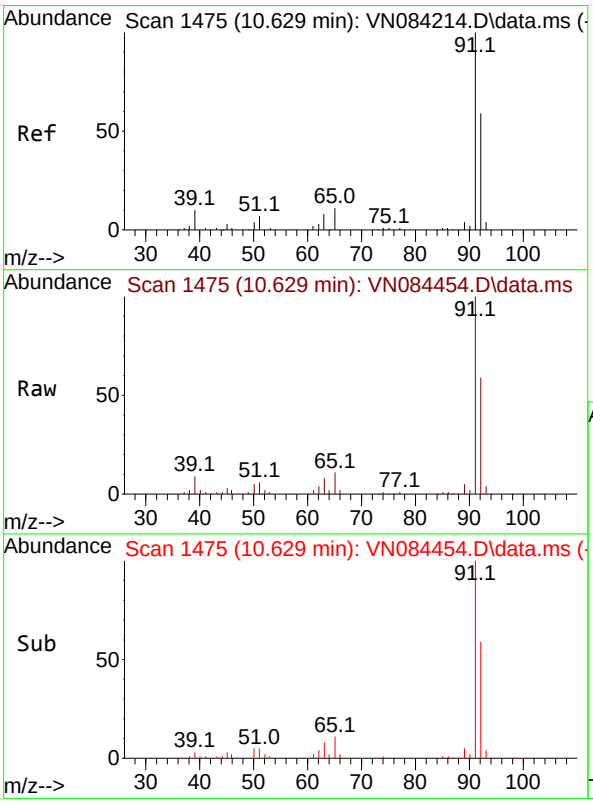
#51
4-Methyl-2-Pentanone
Concen: 99.827 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 265413

Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4

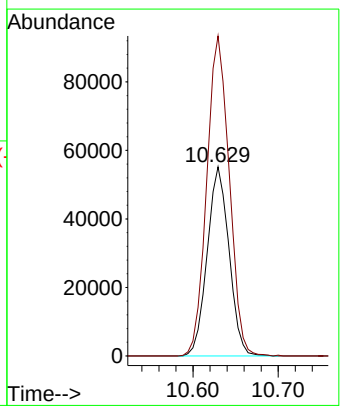


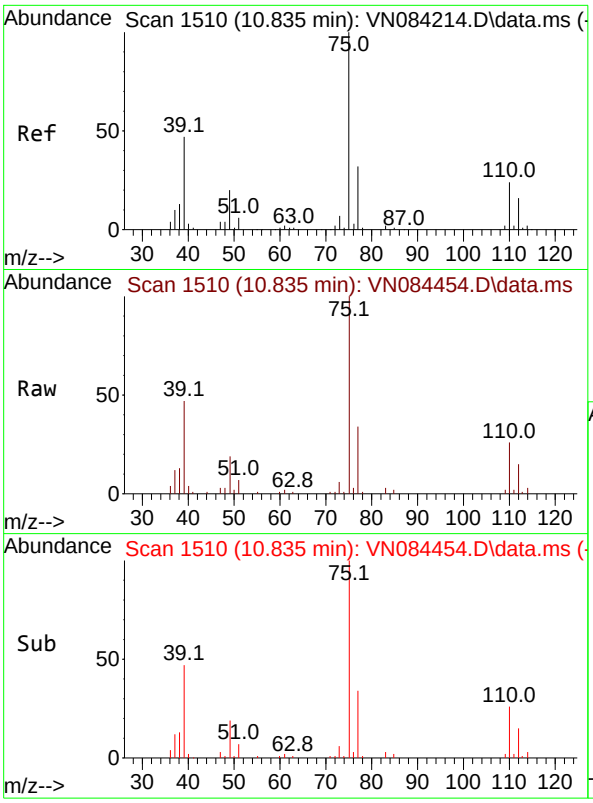


#52
Toluene
Concen: 18.974 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 92 Resp: 98137

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.3	205.9



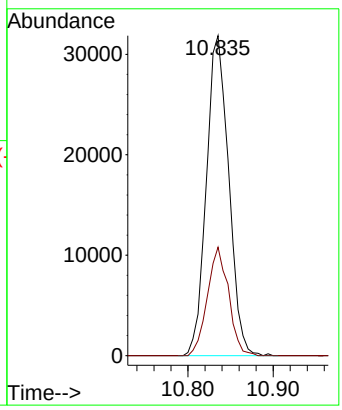


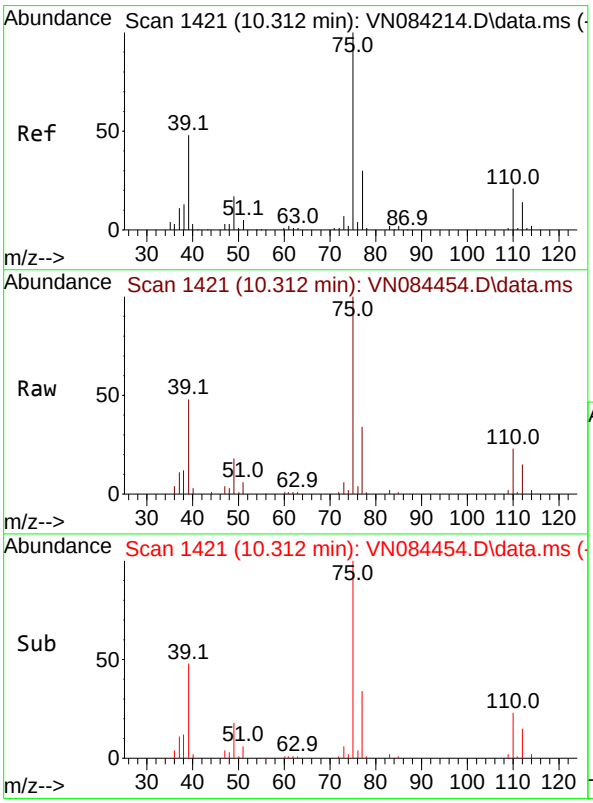
#53
t-1,3-Dichloropropene
Concen: 18.952 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 75 Resp: 58118

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0

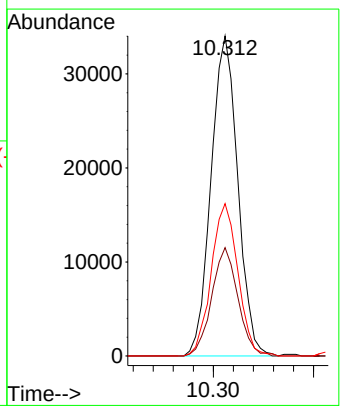


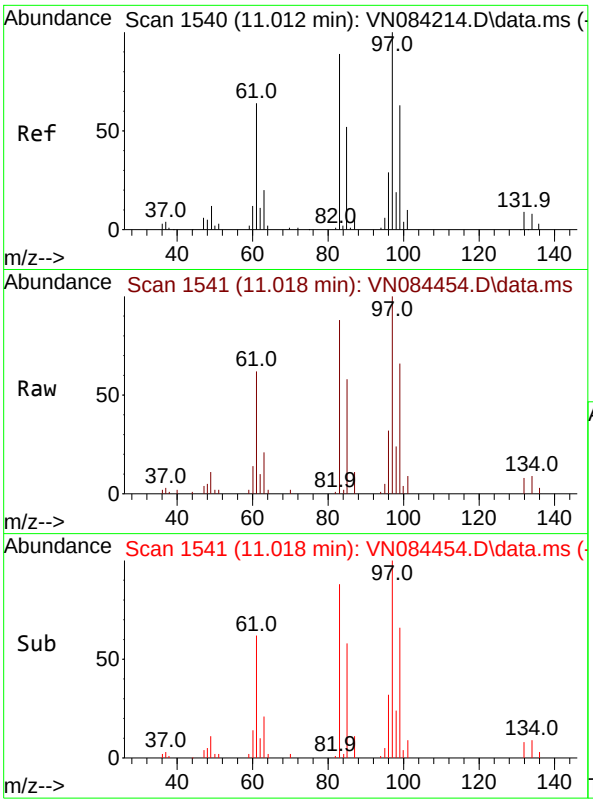


#54
cis-1,3-Dichloropropene
Concen: 19.062 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 62876

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.2	36.2
39	47.6	38.7	58.1



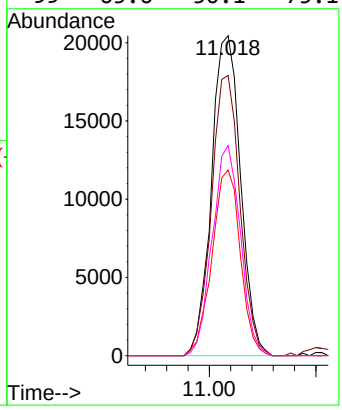


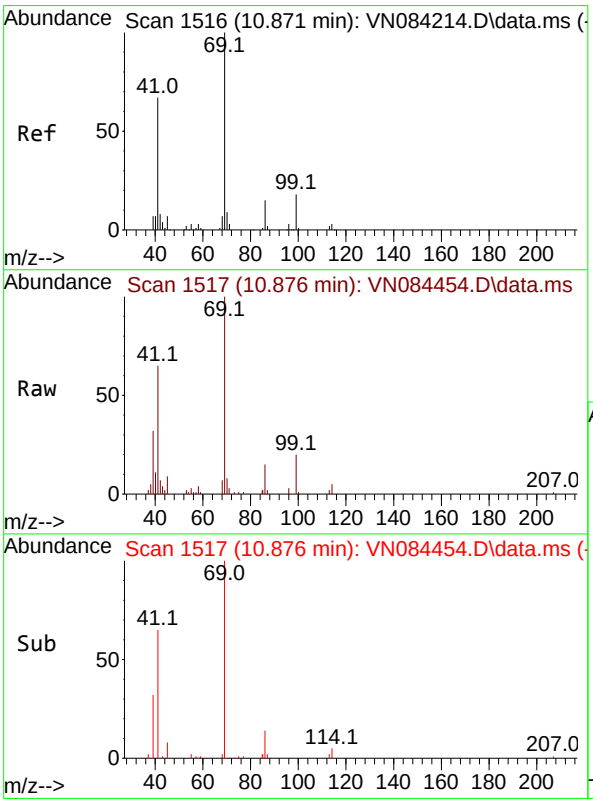
#55
1,1,2-Trichloroethane
Concen: 20.873 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 97 Resp: 38703

Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.0	106.4
85	58.0	41.7	62.5
99	65.6	50.1	75.1

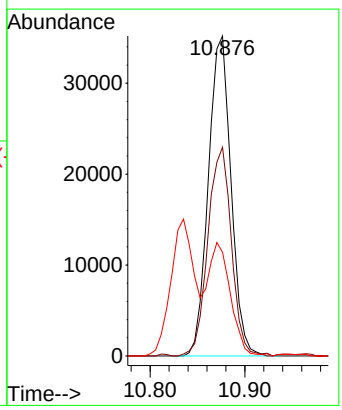


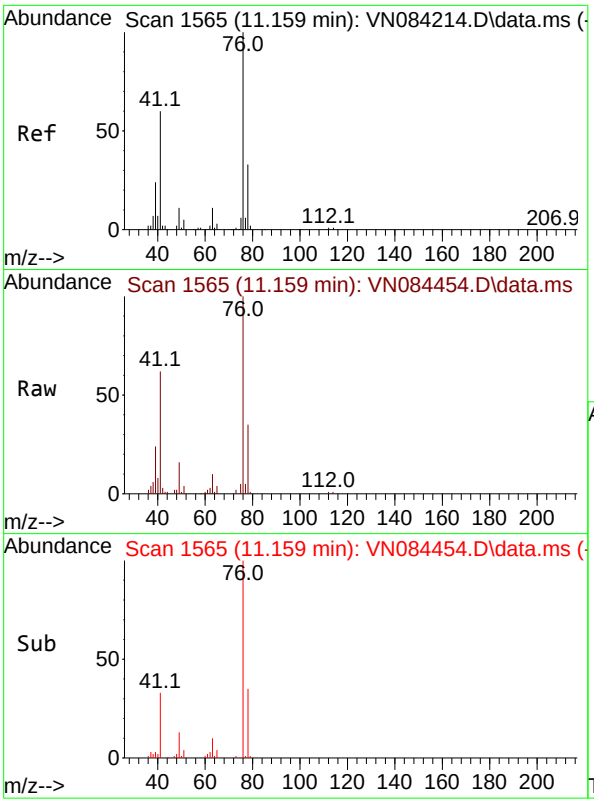


#56
Ethyl methacrylate
Concen: 19.181 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 69 Resp: 58523

Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.3	79.9
39	35.7	28.8	43.2



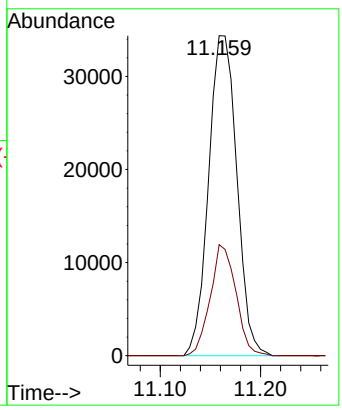


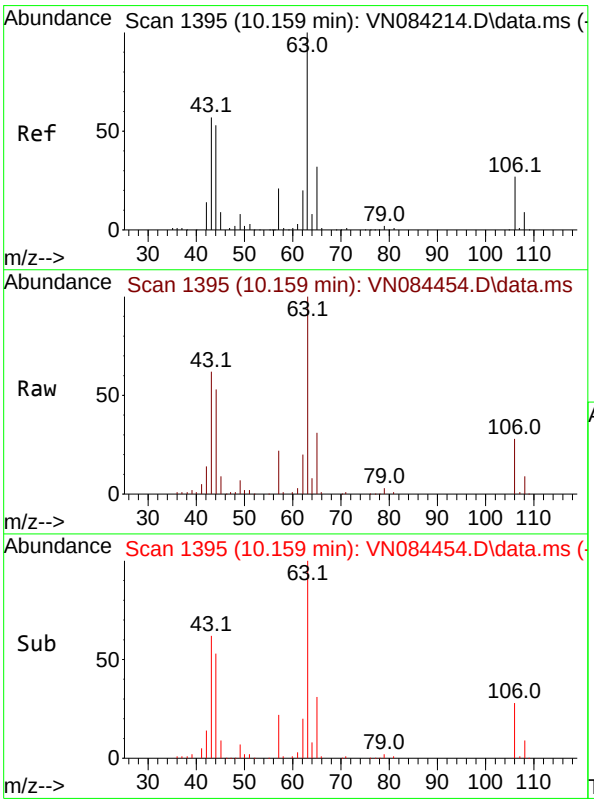
#57
1,3-Dichloropropane
Concen: 20.265 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 76 Resp: 67142

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

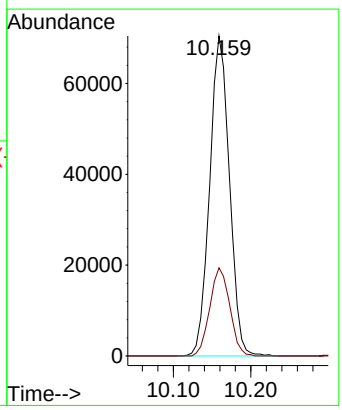


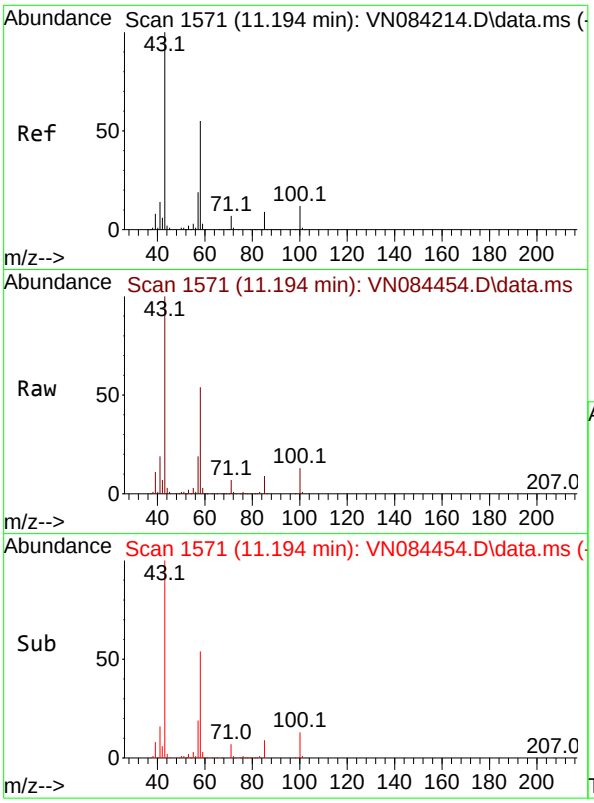


#58
2-Chloroethyl Vinyl ether
Concen: 88.160 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 63 Resp: 124778

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6



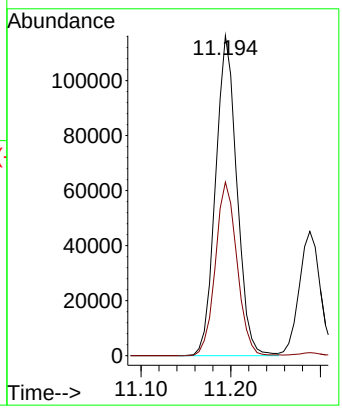


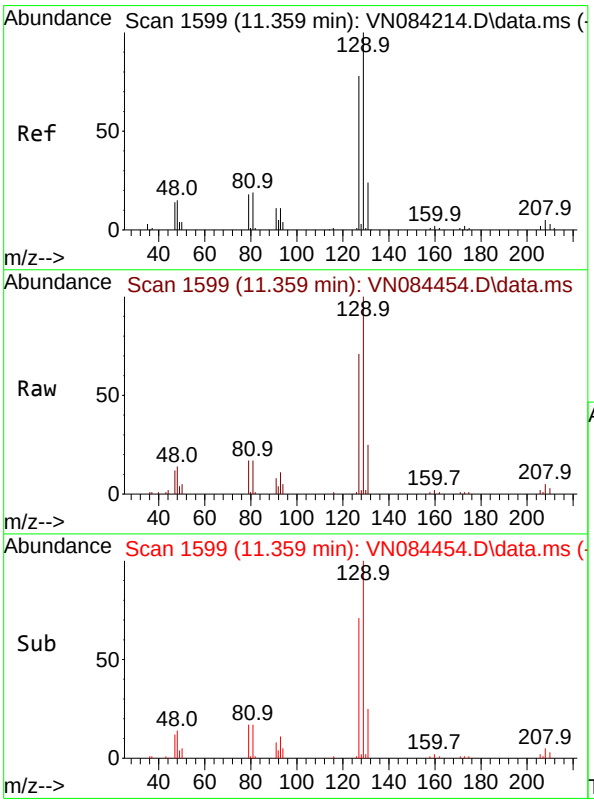
#59
2-Hexanone
Concen: 96.444 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 43 Resp: 191652

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

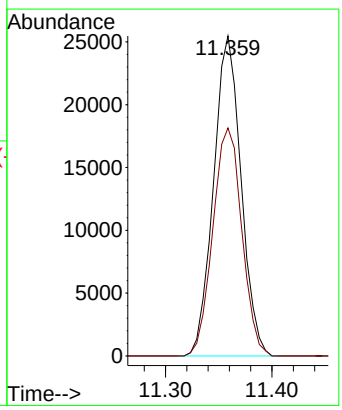


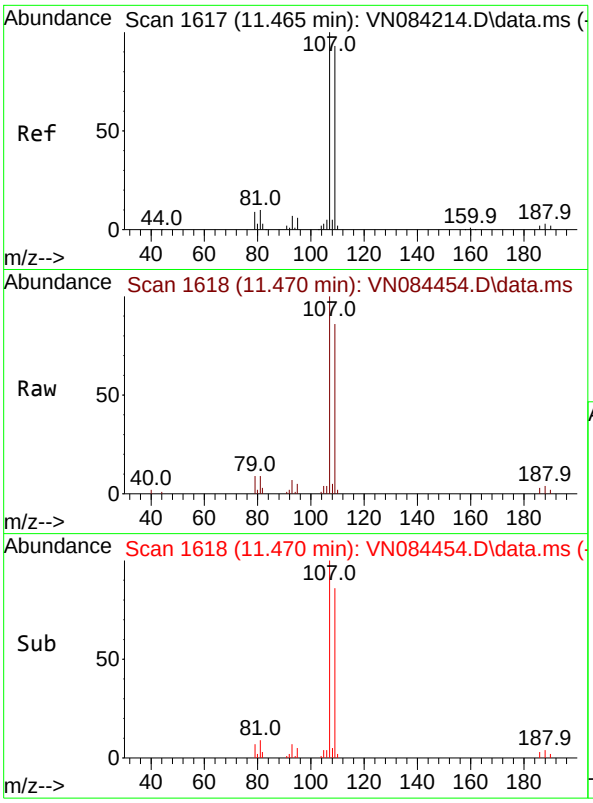


#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:129 Resp: 45689

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.3	114.9



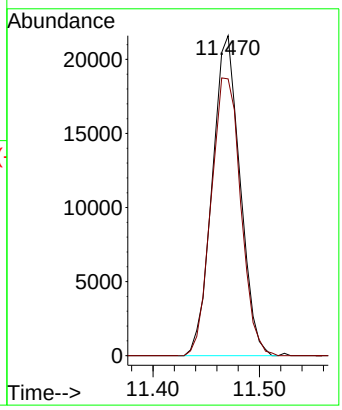


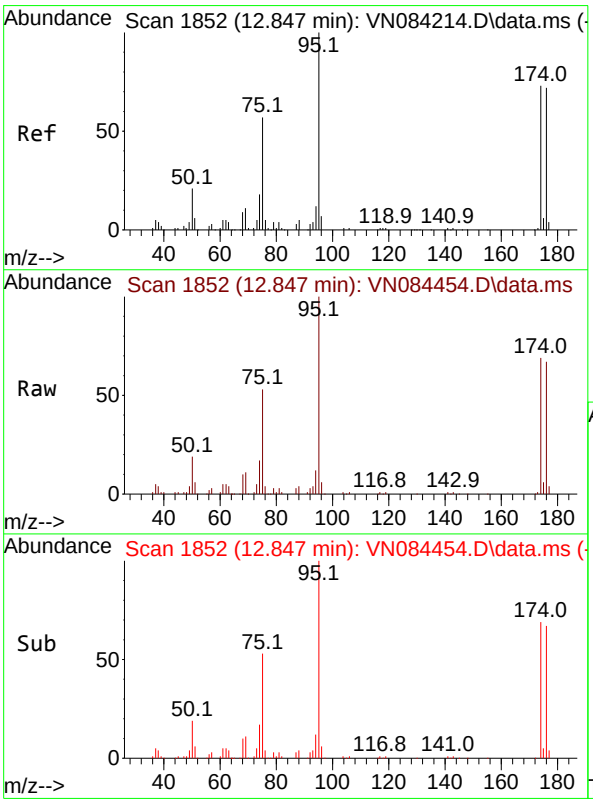
#61
1,2-Dibromoethane
Concen: 20.291 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:107 Resp: 39095

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

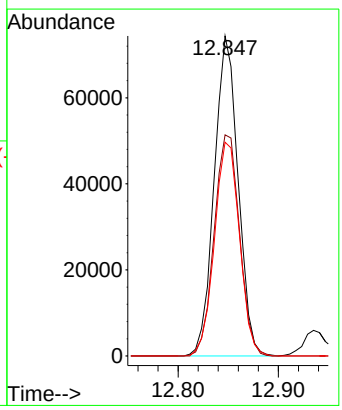


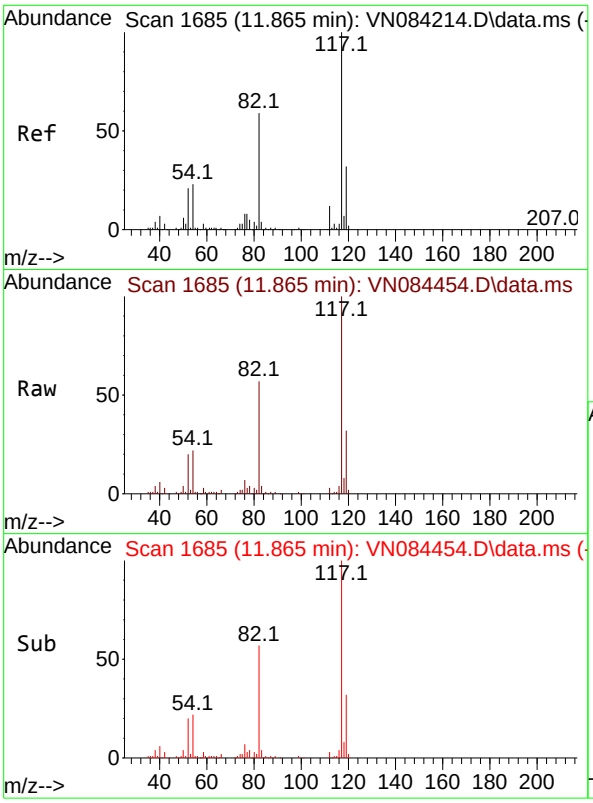


#62
4-Bromofluorobenzene
Concen: 48.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 95 Resp: 122807

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.2
176	70.1	0.0	140.0



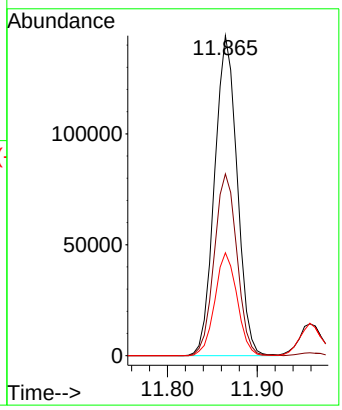


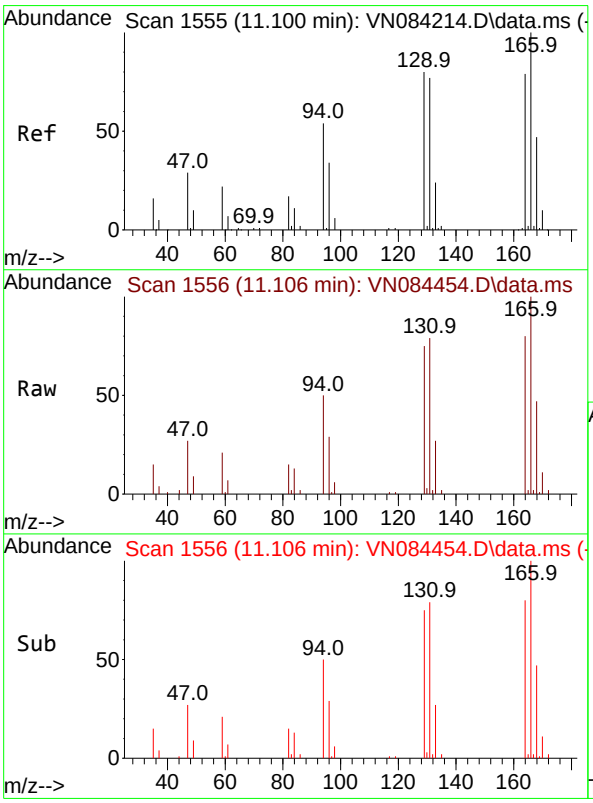
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:117 Resp: 251894

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.2	25.4	38.0

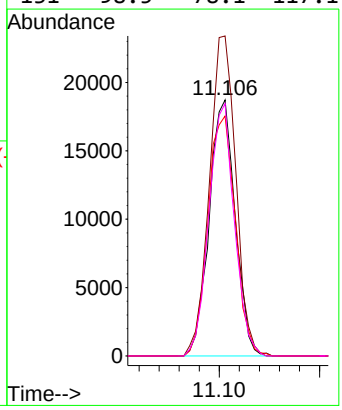


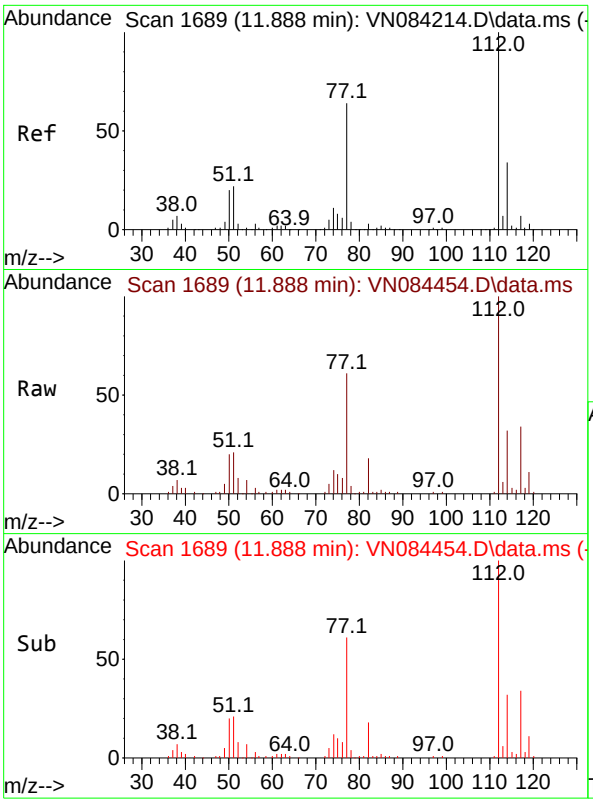


#64
Tetrachloroethene
Concen: 19.244 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:164 Resp: 33764

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.0	151.4
129	93.8	80.8	121.2
131	98.5	78.1	117.1



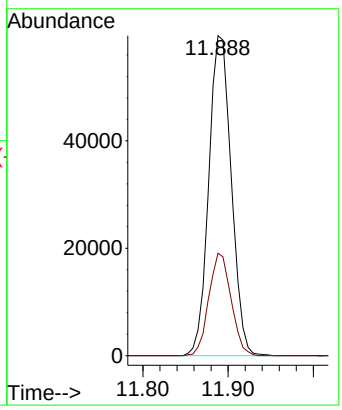


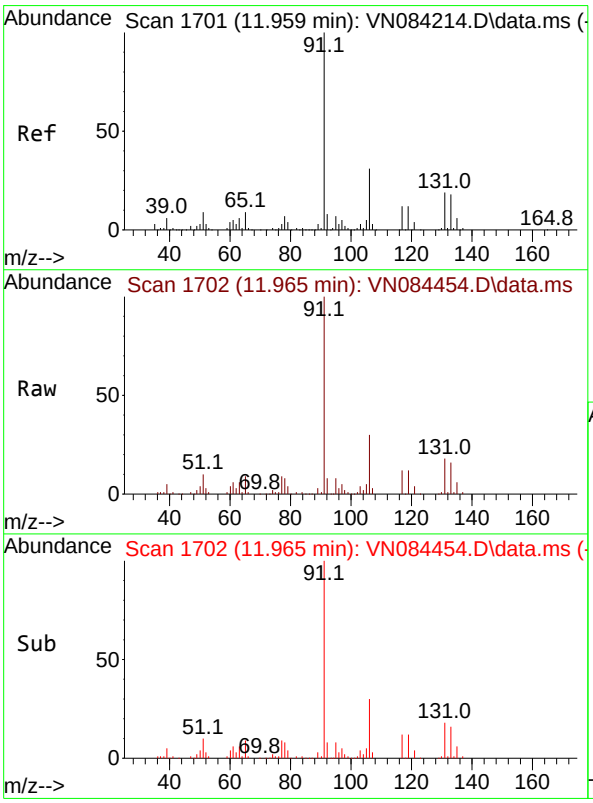
#65
Chlorobenzene
Concen: 19.587 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:112 Resp: 109394

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6

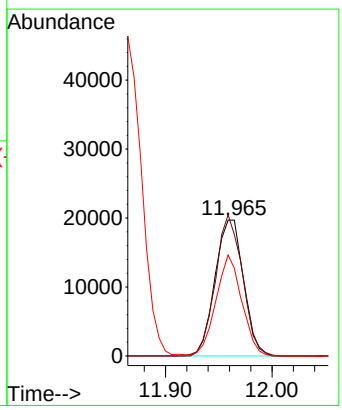


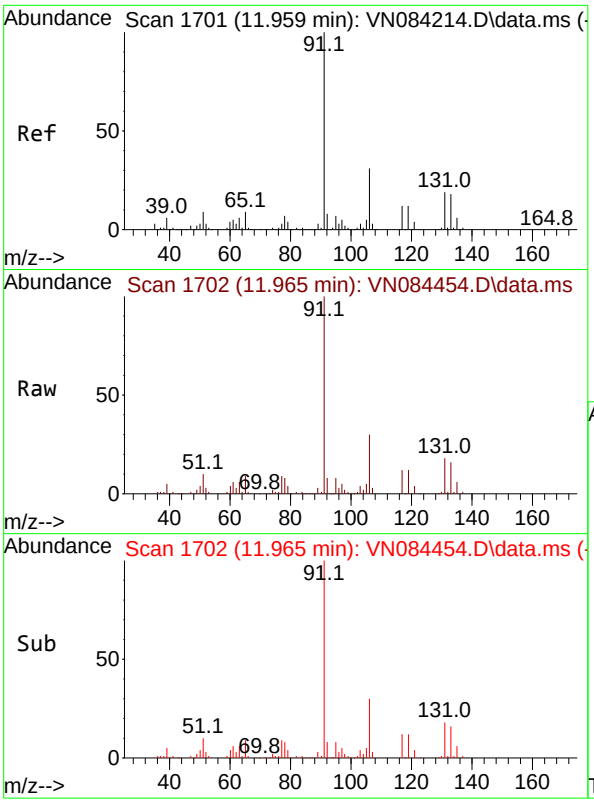


#66
1,1,1,2-Tetrachloroethane
Concen: 19.096 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:131 Resp: 36735

Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.9	143.7
119	67.1	32.8	98.3



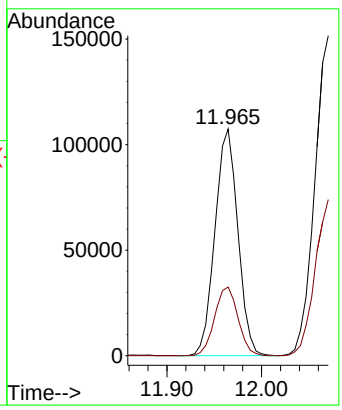


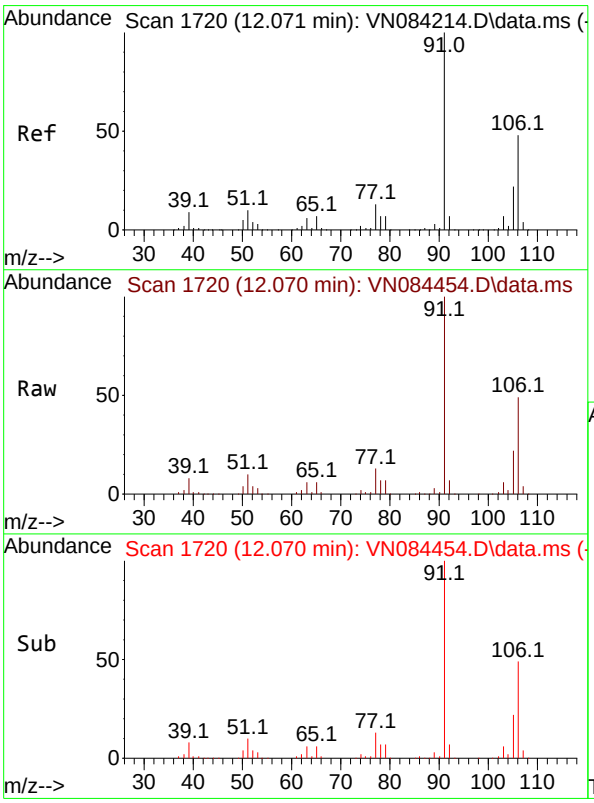
#67
Ethyl Benzene
Concen: 18.246 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 91 Resp: 180220

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

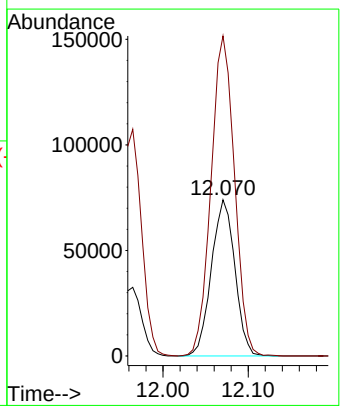


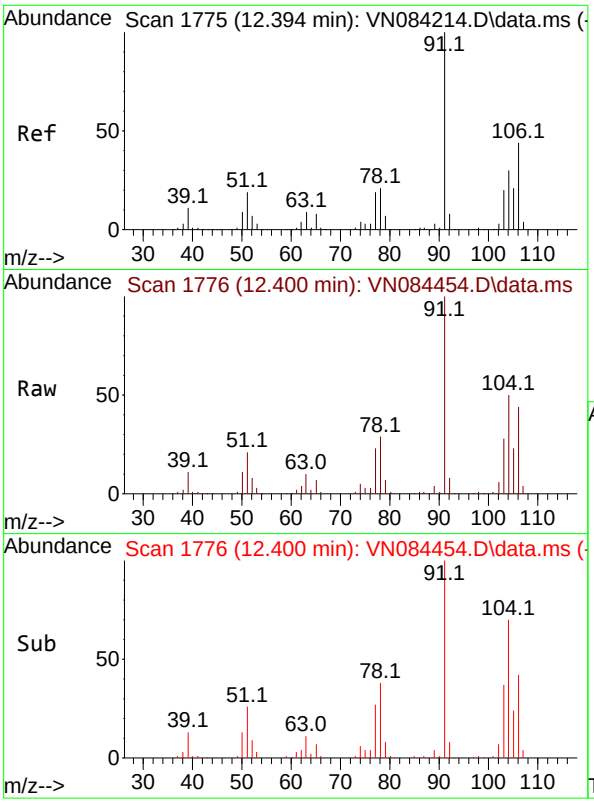


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:106 Resp: 141783

Ion	Ratio	Lower	Upper
106	100		
91	205.0	167.1	250.7



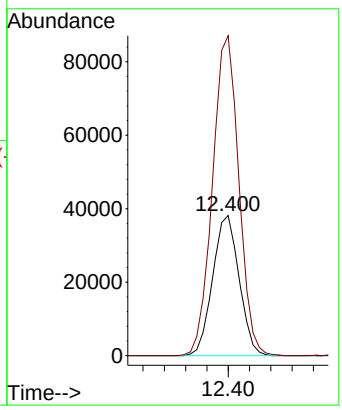


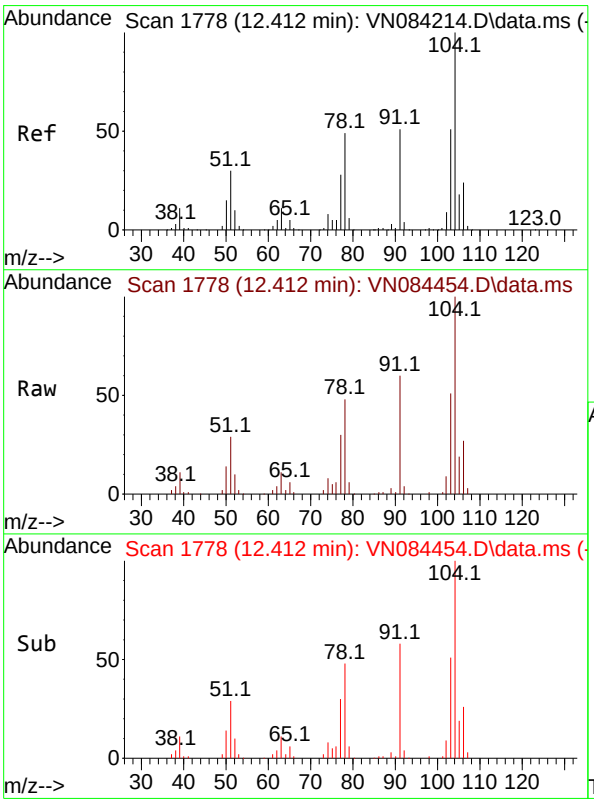
#69
o-Xylene
Concen: 18.995 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:106 Resp: 65662

Ion	Ratio	Lower	Upper
106	100		
91	227.1	110.2	330.6

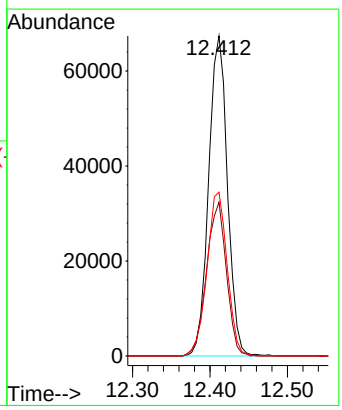


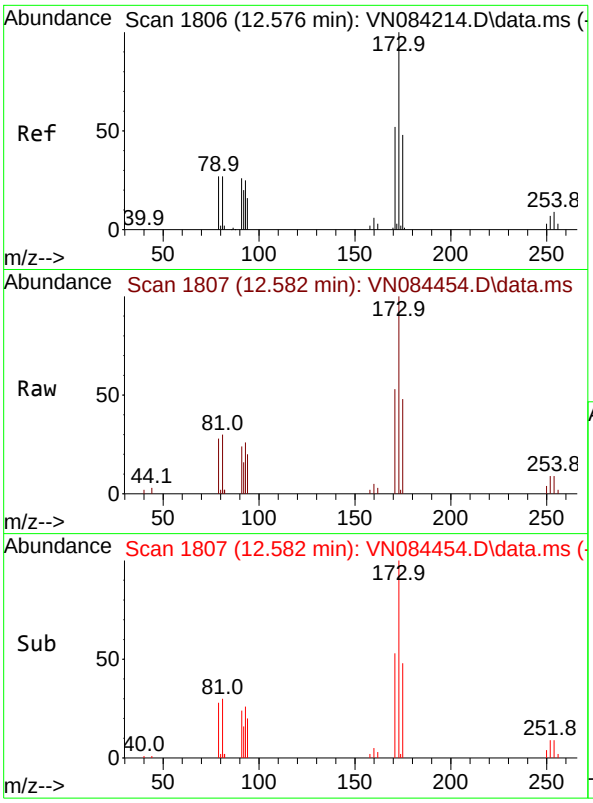


#70
Styrene
Concen: 19.435 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:104 Resp: 113796

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	55.1	43.6	65.4



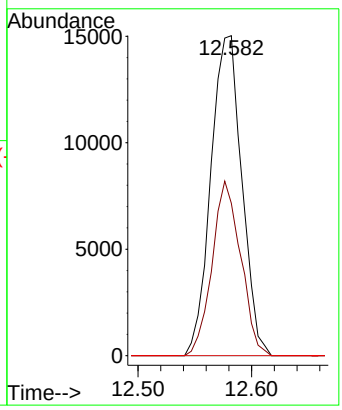


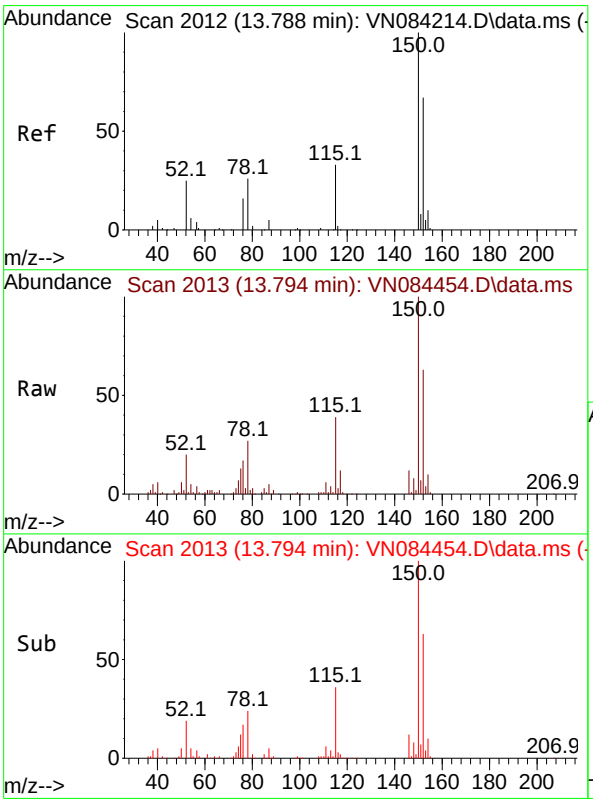
#71
Bromoform
Concen: 20.085 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:173 Resp: 28447

Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0

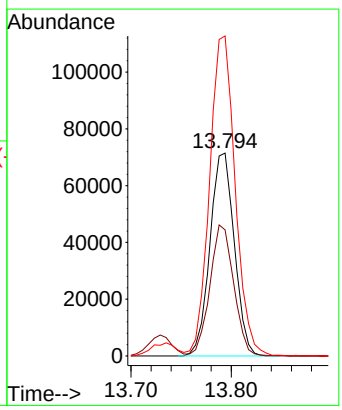


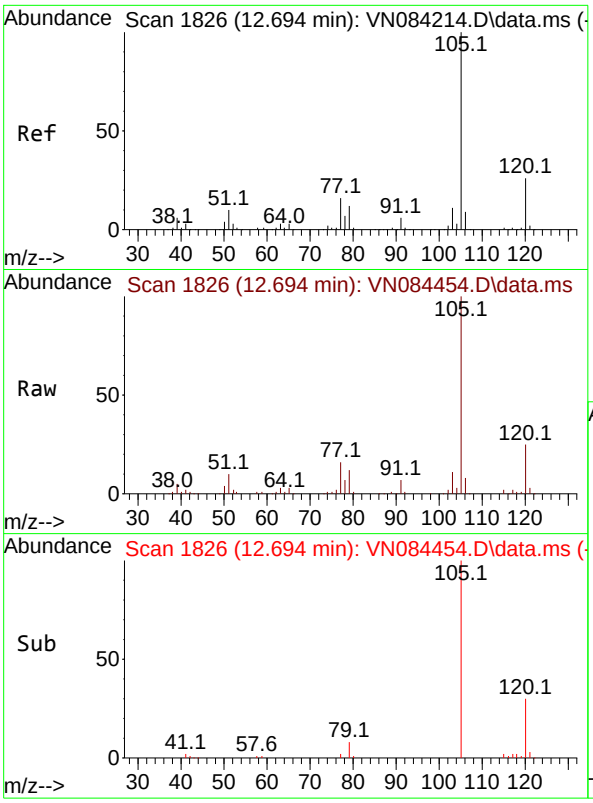


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:152 Resp: 120786

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	165.5	0.0	349.8



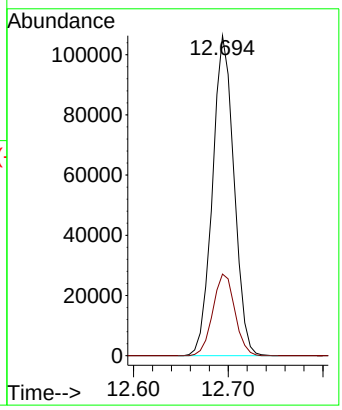


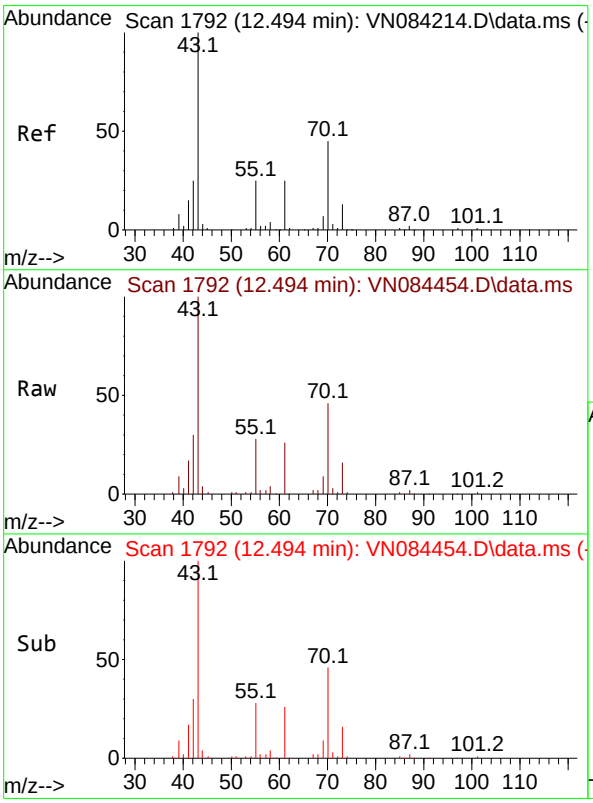
#73
Isopropylbenzene
Concen: 18.213 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:105 Resp: 167871

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

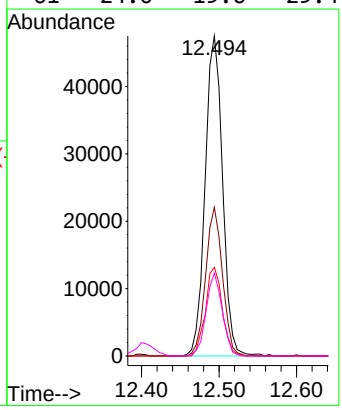


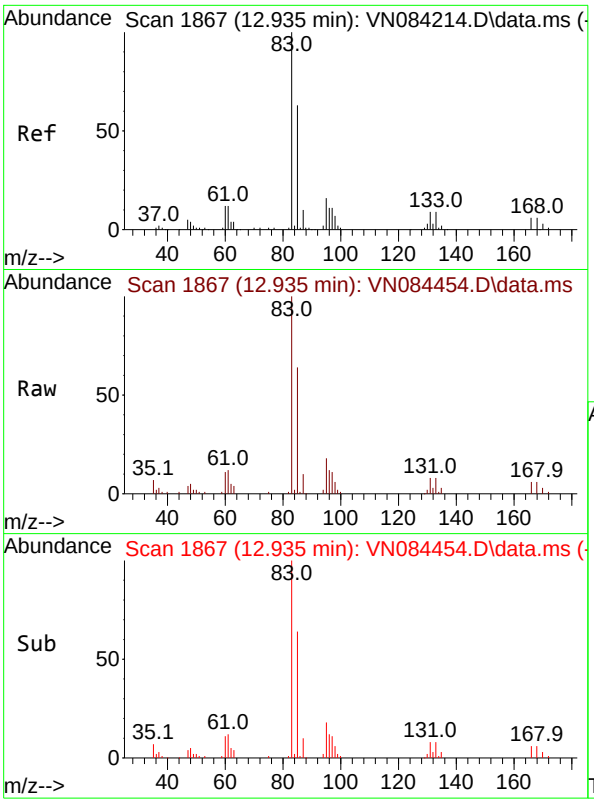


#74
N-amyl acetate
Concen: 17.789 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 43 Resp: 74246

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.4	51.6
55	26.8	19.6	29.4
61	24.0	19.6	29.4



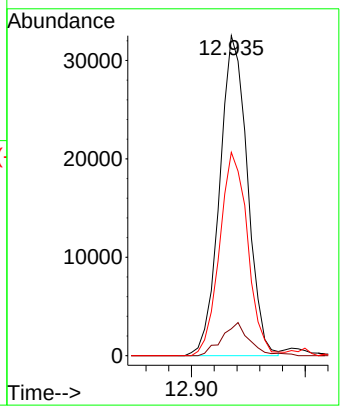


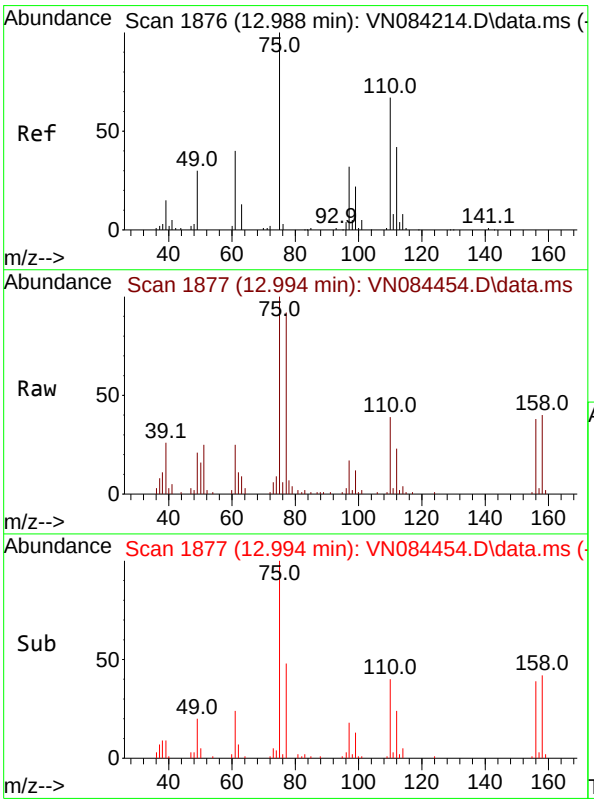
#75
1,1,2,2-Tetrachloroethane
Concen: 19.906 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 83 Resp: 55170

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	64.6	31.9	95.7

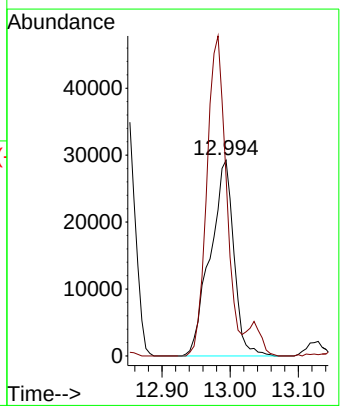


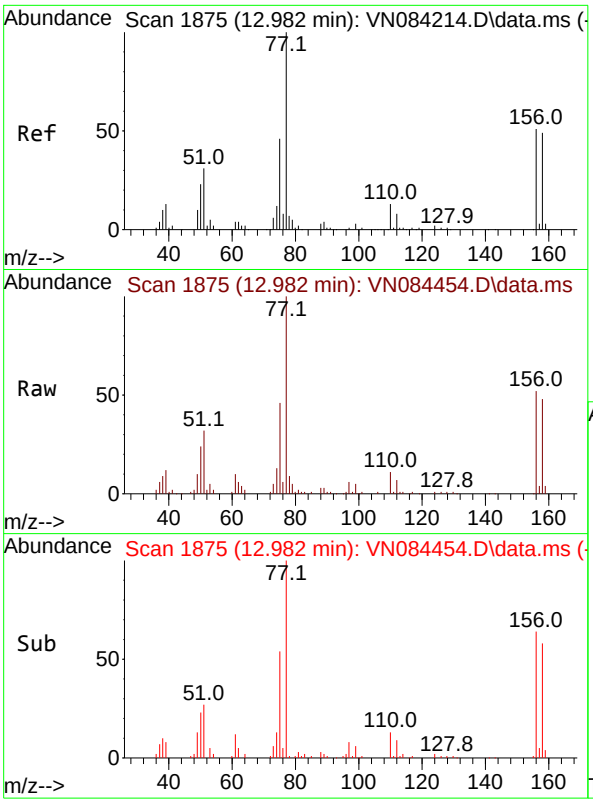


#76
1,2,3-Trichloropropane
Concen: 28.550 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 70401

Ion	Ratio	Lower	Upper
75	100		
77	134.3	96.9	290.7



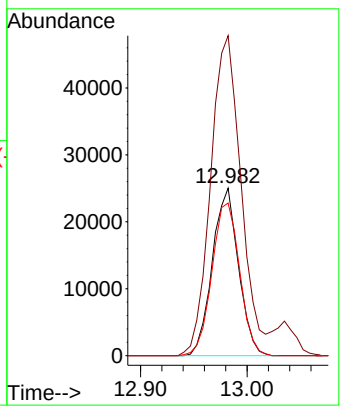


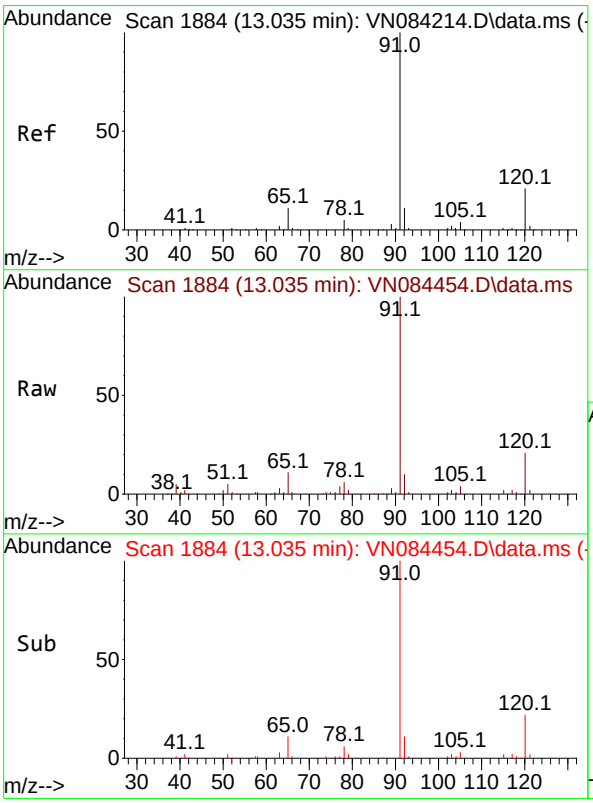
#77
Bromobenzene
Concen: 19.142 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:156 Resp: 42558

Ion	Ratio	Lower	Upper
156	100		
77	222.2	115.1	345.3
158	96.8	48.9	146.8

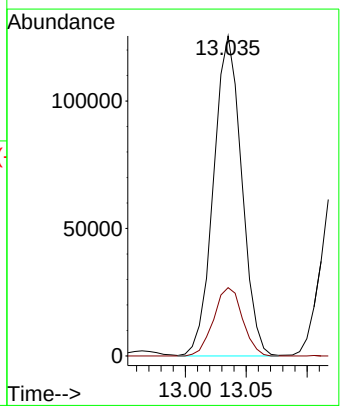


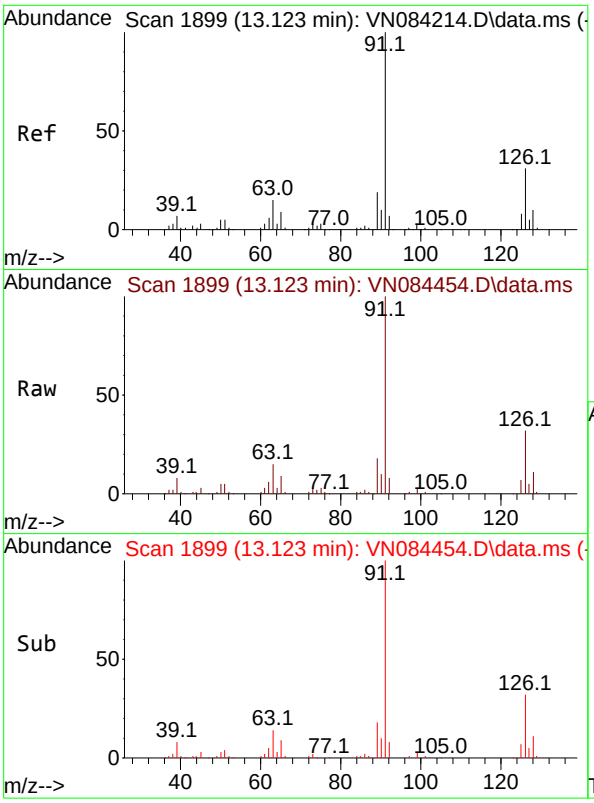


#78
n-propylbenzene
Concen: 18.916 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 91 Resp: 202008

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



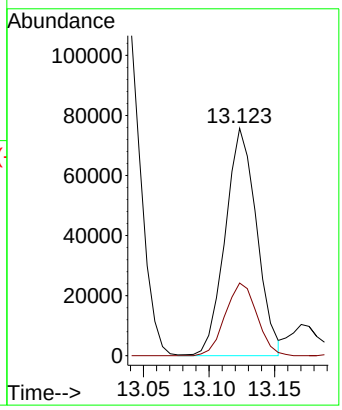


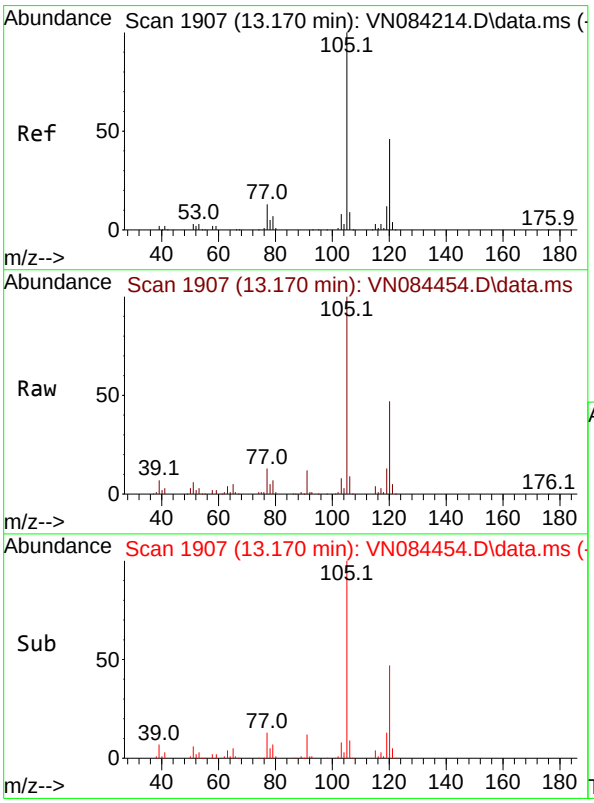
#79
2-Chlorotoluene
Concen: 18.577 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 91 Resp: 126589

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

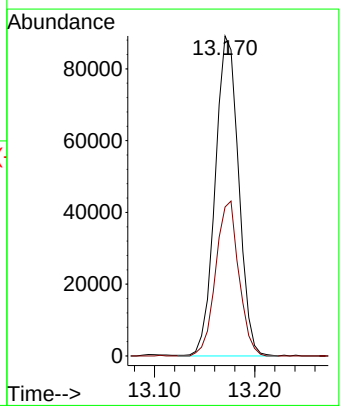


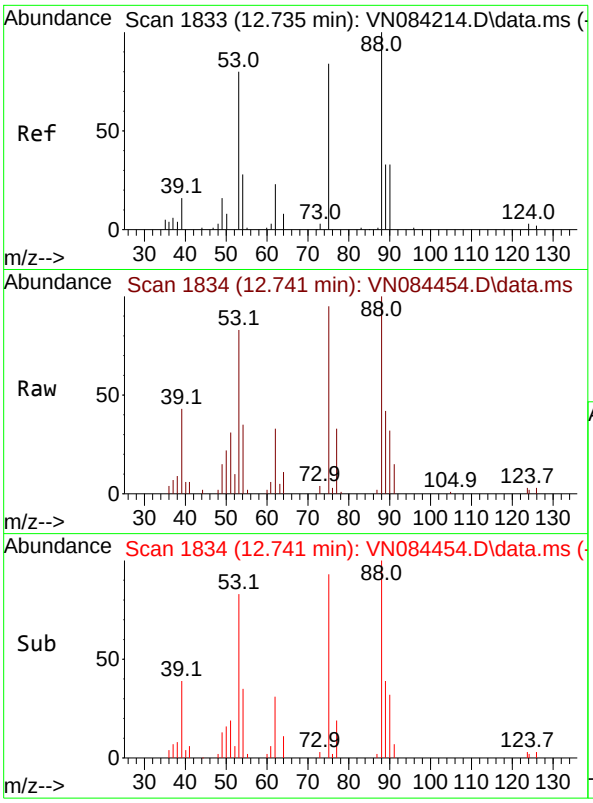


#80
1,3,5-Trimethylbenzene
Concen: 19.234 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 144609

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



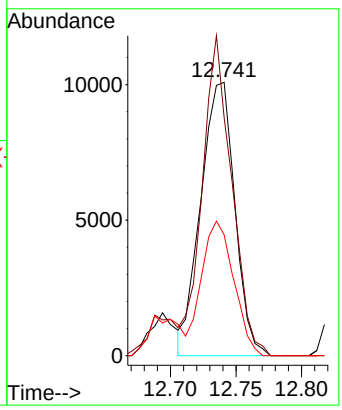


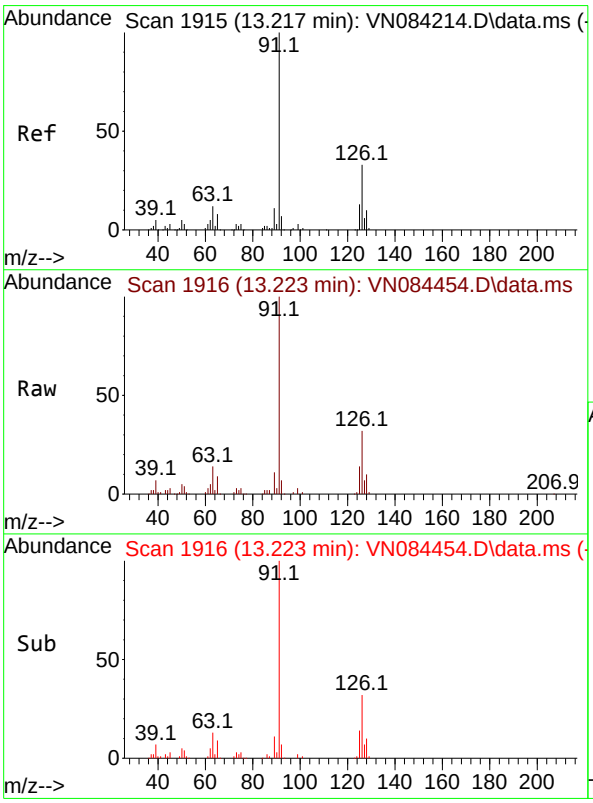
#81
trans-1,4-Dichloro-2-butene
Concen: 17.706 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 75 Resp: 18211

Ion	Ratio	Lower	Upper
75	100		
53	101.8	78.0	117.0
89	46.6	35.5	53.3

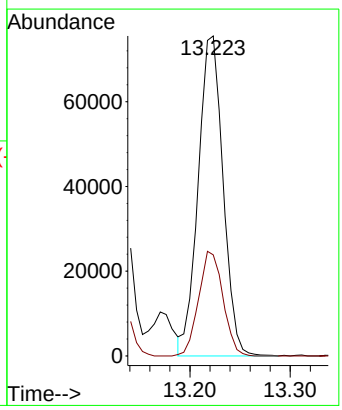


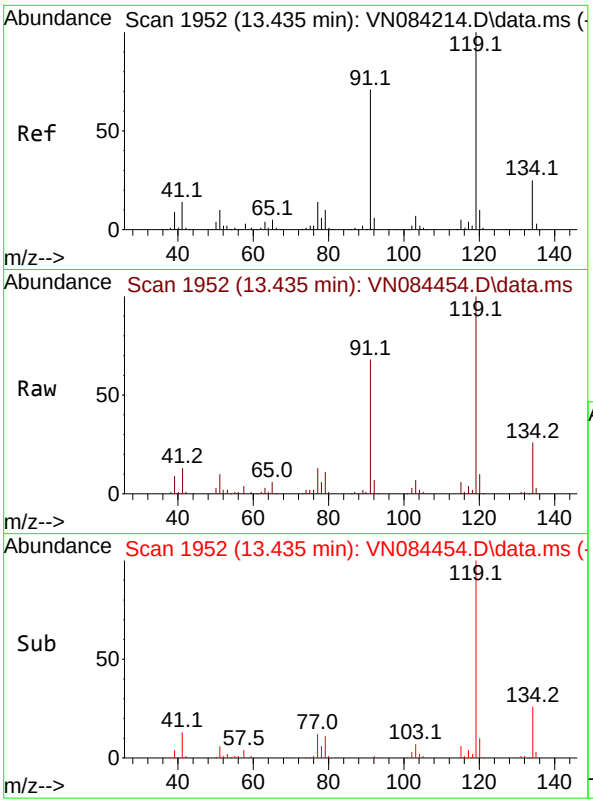


#82
4-Chlorotoluene
Concen: 18.984 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 91 Resp: 130226

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



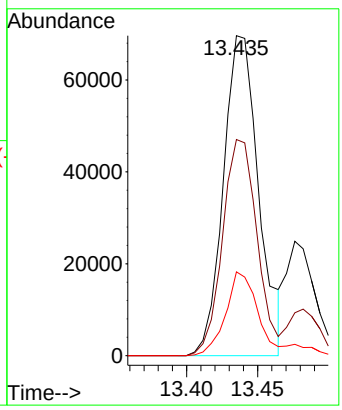


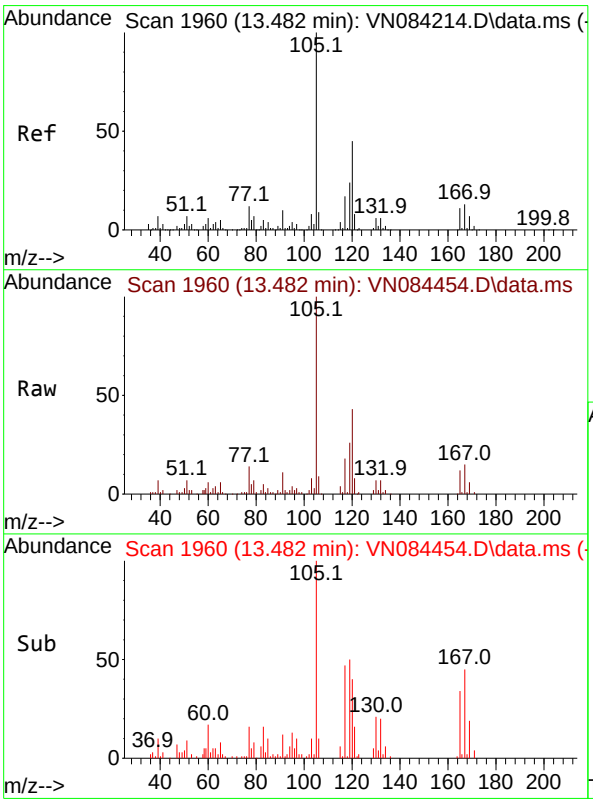
#83
tert-Butylbenzene
Concen: 18.060 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:119 Resp: 120683

Ion	Ratio	Lower	Upper
119	100		
91	66.0	34.1	102.3
134	24.0	12.8	38.4

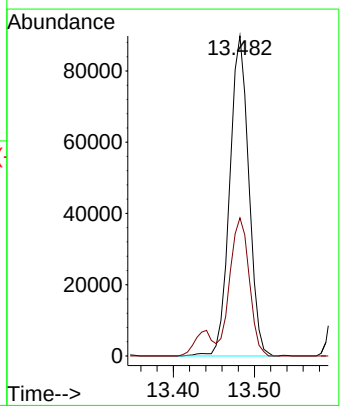


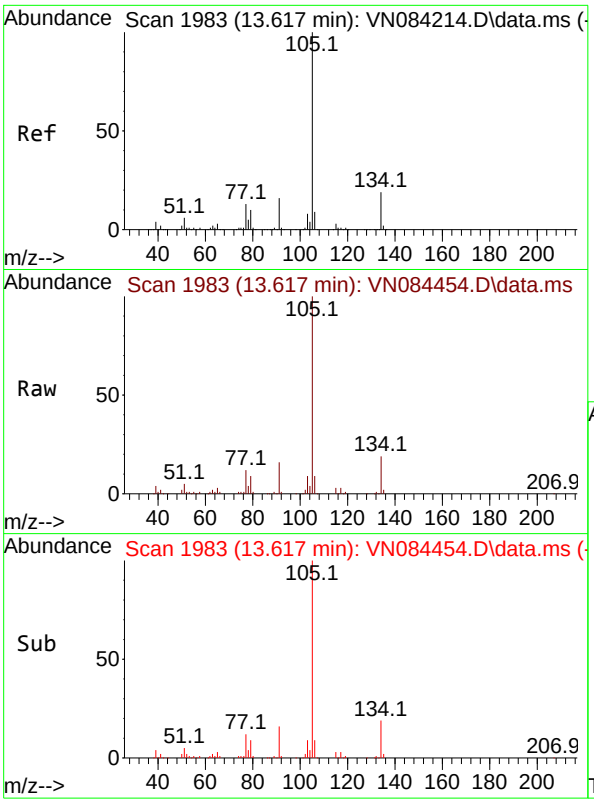


#84
1,2,4-Trimethylbenzene
Concen: 19.292 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:105 Resp: 146120

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8



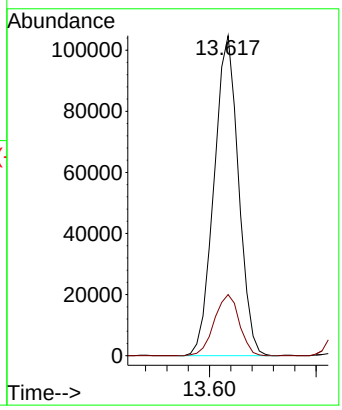


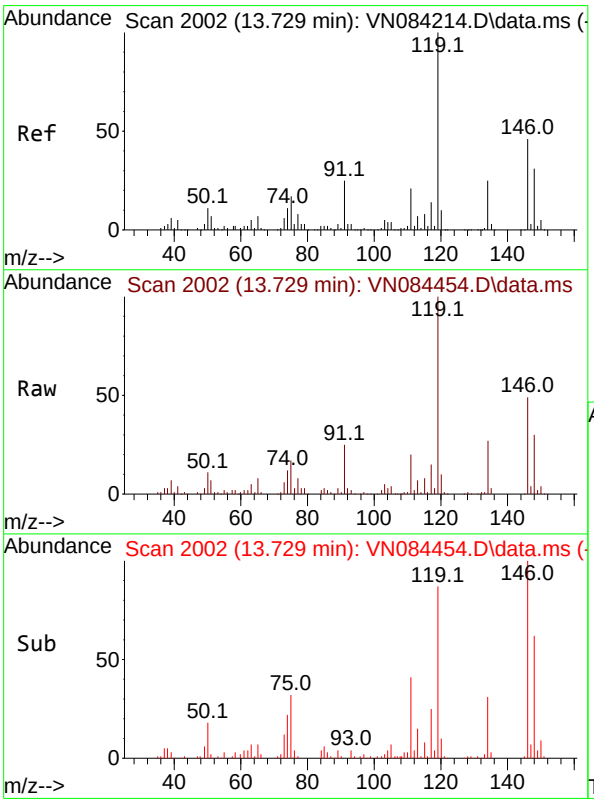
#85
sec-Butylbenzene
Concen: 18.707 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:105 Resp: 166811

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

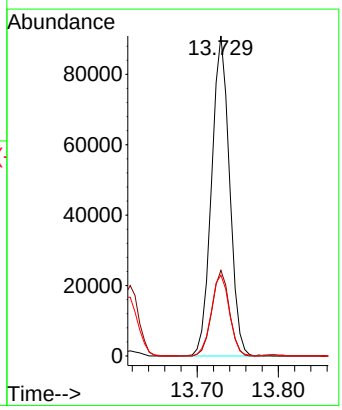


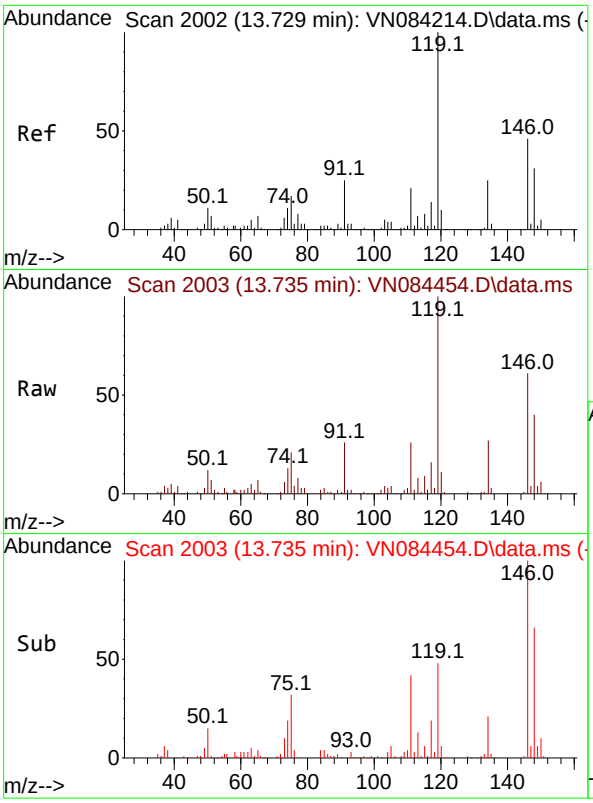


#86
p-Isopropyltoluene
Concen: 18.921 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:119 Resp: 139521

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.6	12.4	37.2



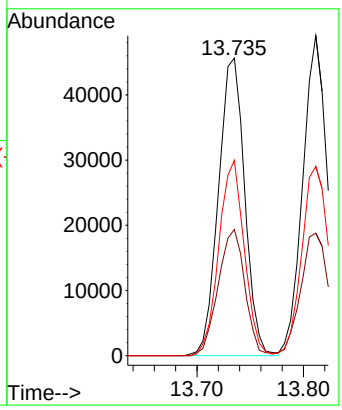


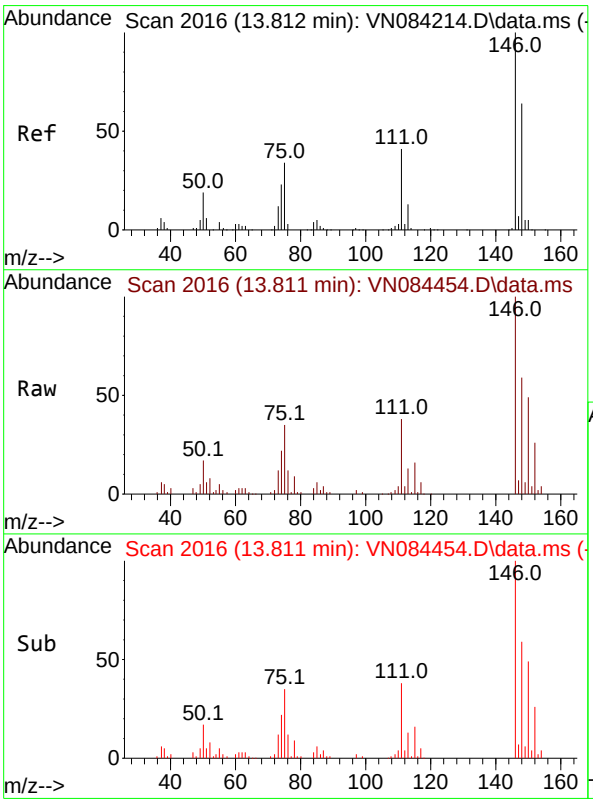
#87
1,3-Dichlorobenzene
Concen: 18.726 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:146 Resp: 78103

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.7	31.9	95.7

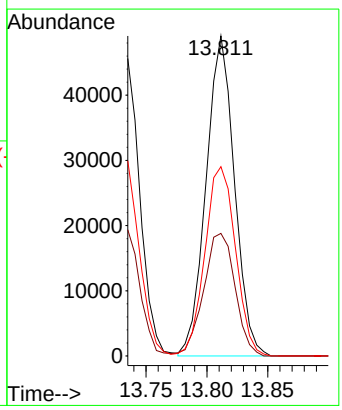


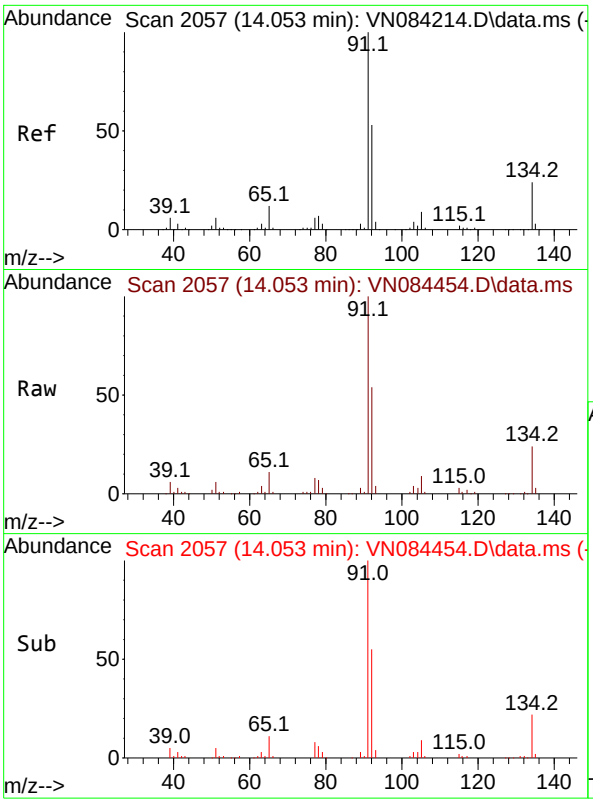


#88
1,4-Dichlorobenzene
Concen: 18.904 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:146 Resp: 79624

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.8	31.9	95.9



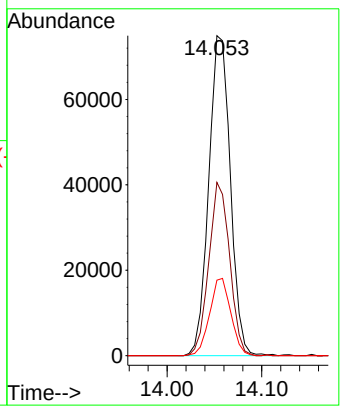


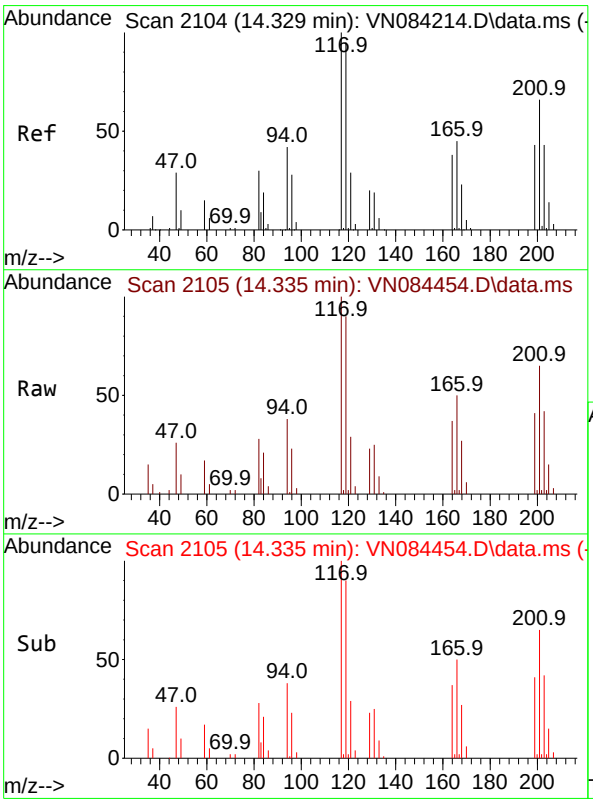
#89
n-Butylbenzene
Concen: 17.746 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion: 91 Resp: 118654

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	23.8	12.3	36.9

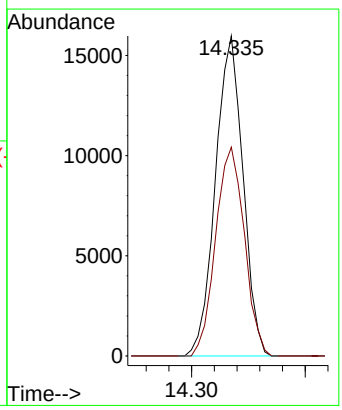


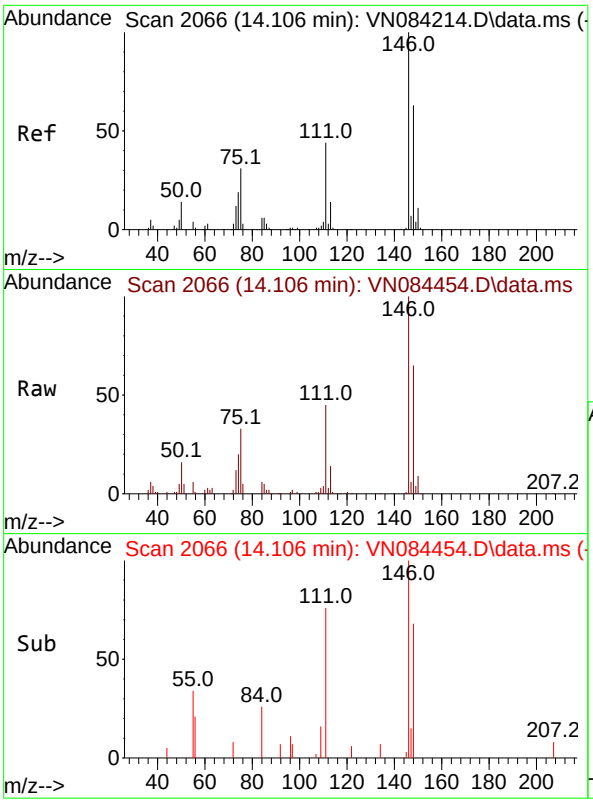


#90
Hexachloroethane
Concen: 17.962 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:117 Resp: 26884

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2



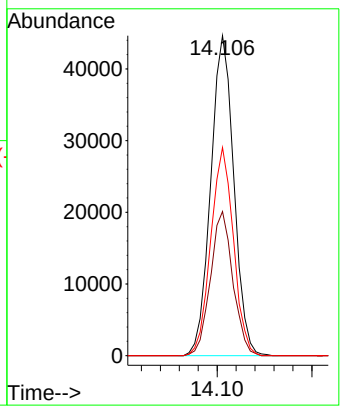


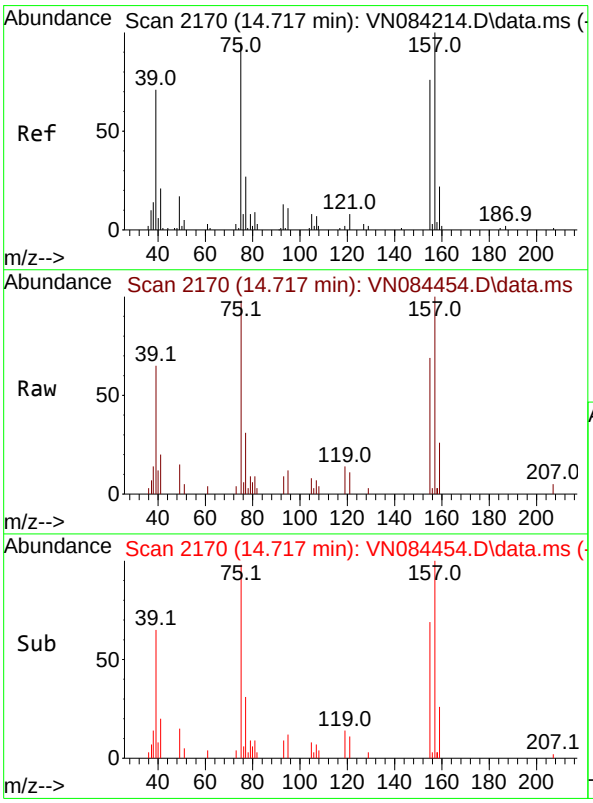
#91
1,2-Dichlorobenzene
Concen: 18.471 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:146 Resp: 75541

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.8	32.1	96.3

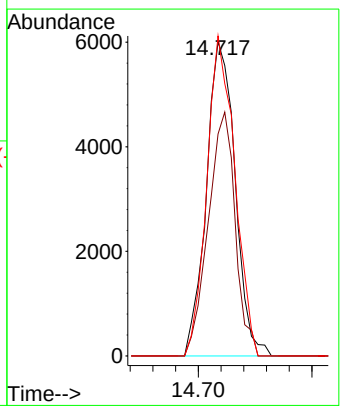


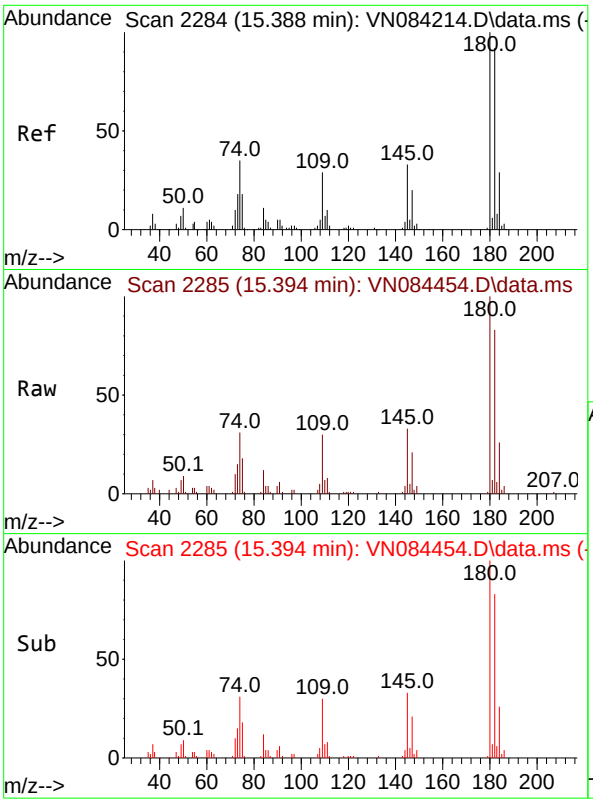


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.481 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion: 75 Resp: 10570

Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.1	114.5
157	98.9	49.6	149.0



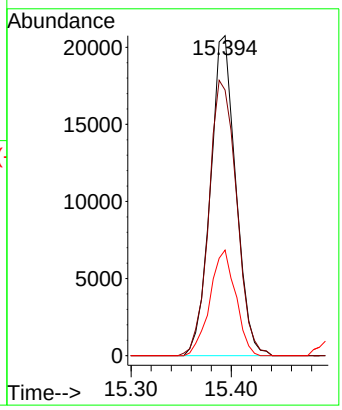


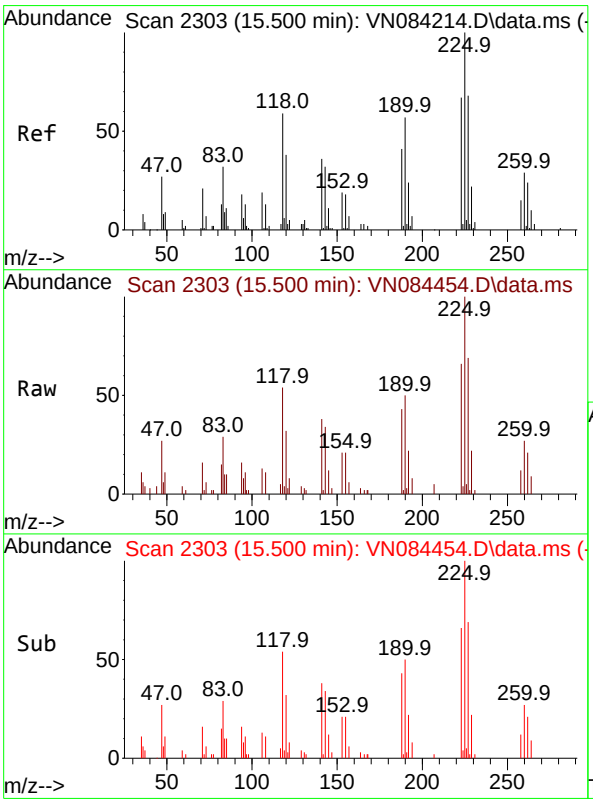
#93
1,2,4-Trichlorobenzene
Concen: 18.139 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:180 Resp: 36540

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	33.4	16.4	49.4

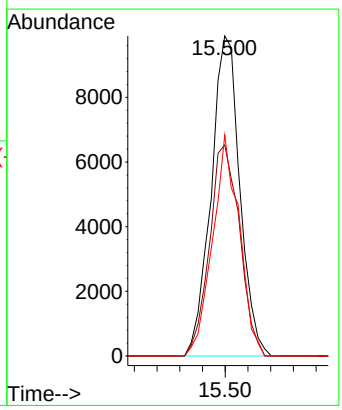


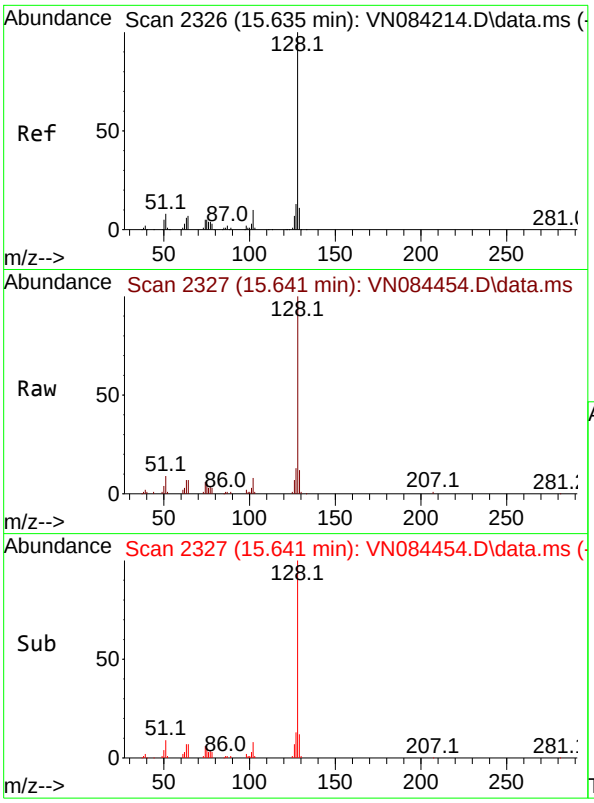


#94
Hexachlorobutadiene
Concen: 17.312 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:225 Resp: 17391

Ion	Ratio	Lower	Upper
225	100		
223	68.9	32.4	97.2
227	64.1	32.4	97.0



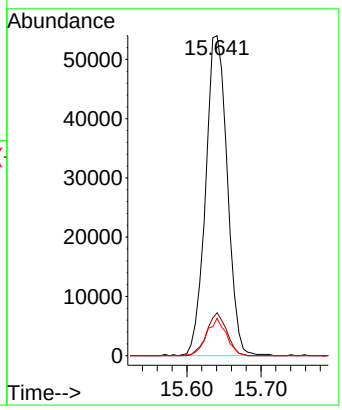


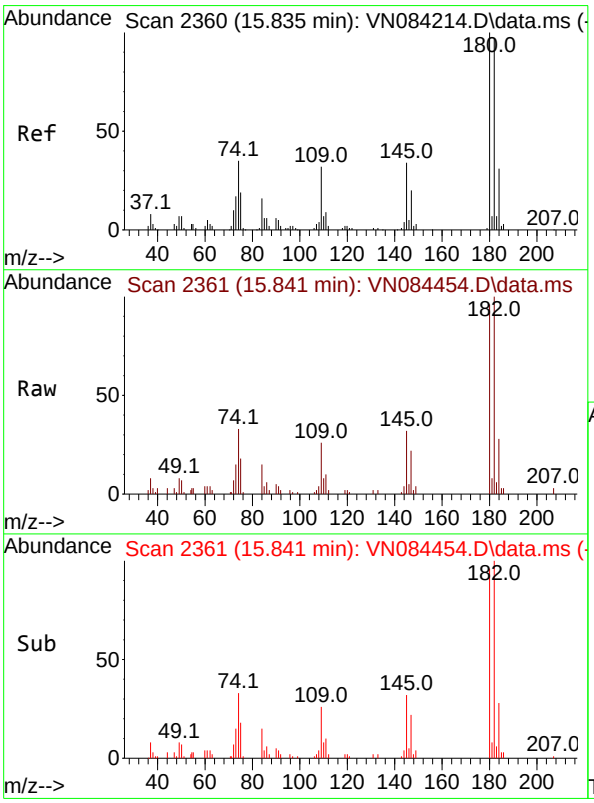
#95
Naphthalene
Concen: 16.414 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tgt Ion:128 Resp: 109616

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.7	8.7	13.1

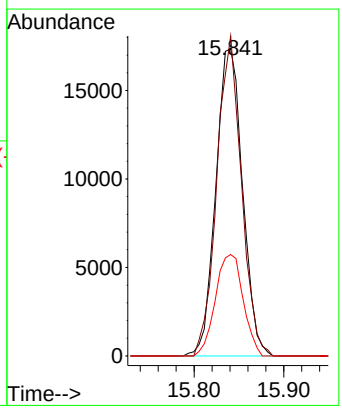




#96
1,2,3-Trichlorobenzene
Concen: 17.827 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084454.D
Acq: 22 Oct 2024 14:45

Tgt Ion:180 Resp: 35947

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	34.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 23 01:33:12 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	164294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121314	49.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.600%			
35) Dibromofluoromethane	8.165	113	98194	52.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	10.565	98	356709	51.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	133216	53.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	78025	40.150	ug/l	97
3) Chloromethane	2.360	50	98644	44.455	ug/l	97
4) Vinyl Chloride	2.512	62	100282	46.656	ug/l	99
5) Bromomethane	2.936	94	60529	42.694	ug/l	96
6) Chloroethane	3.107	64	65942	42.838	ug/l	96
7) Trichlorofluoromethane	3.495	101	169232	50.562	ug/l	98
8) Diethyl Ether	3.959	74	62844	50.626	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	96973	50.565	ug/l	100
10) Methyl Iodide	4.589	142	125719	50.904	ug/l	94
11) Tert butyl alcohol	5.530	59	89149	221.946	ug/l	99
12) 1,1-Dichloroethene	4.342	96	95402	51.573	ug/l	95
13) Acrolein	4.183	56	103638	224.751	ug/l	100
14) Allyl chloride	5.024	41	148364	46.181	ug/l	99
15) Acrylonitrile	5.718	53	266330	262.567	ug/l	99
16) Acetone	4.430	43	218038	208.362	ug/l	100
17) Carbon Disulfide	4.712	76	266930	45.577	ug/l	99
18) Methyl Acetate	5.030	43	117821	51.658	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323323	51.785	ug/l	99
20) Methylene Chloride	5.277	84	111451	52.394	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	101076	52.154	ug/l	96
22) Diisopropyl ether	6.677	45	347126	52.237	ug/l	99
23) Vinyl Acetate	6.606	43	1307522	265.286	ug/l	100
24) 1,1-Dichloroethane	6.565	63	197001	53.012	ug/l	98
25) 2-Butanone	7.489	43	346199	242.901	ug/l	100
26) 2,2-Dichloropropane	7.489	77	154700	46.170	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	122830	52.449	ug/l	96
28) Bromochloromethane	7.812	49	80419	48.502	ug/l	98
29) Tetrahydrofuran	7.836	42	229263	260.658	ug/l	98
30) Chloroform	7.965	83	206986	53.621	ug/l	98
31) Cyclohexane	8.253	56	175264	48.574	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	183943	53.058	ug/l	99
36) 1,1-Dichloropropene	8.371	75	141201	52.000	ug/l	100
37) Ethyl Acetate	7.559	43	142788	51.256	ug/l	99
38) Carbon Tetrachloride	8.359	117	157033	52.719	ug/l	100
39) Methylcyclohexane	9.600	83	154691	51.186	ug/l	100
40) Benzene	8.606	78	450399	53.237	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 23 01:33:12 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	78582	51.960	ug/l		98
42) 1,2-Dichloroethane	8.671	62	152659	53.226	ug/l		99
43) Isopropyl Acetate	8.689	43	262069	48.029	ug/l		98
44) Trichloroethene	9.353	130	102007	51.623	ug/l		98
45) 1,2-Dichloropropane	9.618	63	109365	54.645	ug/l		96
46) Dibromomethane	9.706	93	76963	56.984	ug/l		97
47) Bromodichloromethane	9.888	83	165685	55.217	ug/l		96
48) Methyl methacrylate	9.683	41	115046	52.966	ug/l		98
49) 1,4-Dioxane	9.694	88	42320	1058.308	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	730055	275.291	ug/l		99
52) Toluene	10.630	92	284031	55.055	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	164344	53.730	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	179083	54.433	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	103486	55.954	ug/l		97
56) Ethyl methacrylate	10.871	69	171724	56.428	ug/l		98
57) 1,3-Dichloropropane	11.165	76	179794	54.404	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	356176	252.296	ug/l		97
59) 2-Hexanone	11.194	43	538548	271.707	ug/l		99
60) Dibromochloromethane	11.359	129	123673	56.595	ug/l		99
61) 1,2-Dibromoethane	11.471	107	105278	54.782	ug/l		99
64) Tetrachloroethene	11.106	164	91732	51.295	ug/l		96
65) Chlorobenzene	11.888	112	299927	52.686	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	106419	54.273	ug/l		98
67) Ethyl Benzene	11.965	91	538187	53.458	ug/l		98
68) m/p-Xylenes	12.071	106	415651	111.613	ug/l		99
69) o-Xylene	12.400	106	198143	56.237	ug/l		99
70) Styrene	12.412	104	341693	57.255	ug/l		98
71) Bromoform	12.576	173	82837	57.382	ug/l	#	100
73) Isopropylbenzene	12.694	105	505467	51.046	ug/l		100
74) N-amyl acetate	12.494	43	220493	49.173	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152487	51.213	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196236	74.075	ug/l		62
77) Bromobenzene	12.976	156	122511	51.291	ug/l		95
78) n-propylbenzene	13.035	91	599366	52.243	ug/l		99
79) 2-Chlorotoluene	13.124	91	367237	50.163	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	433774	53.702	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51372	46.491	ug/l		98
82) 4-Chlorotoluene	13.218	91	374840	50.863	ug/l		98
83) tert-Butylbenzene	13.435	119	365550	50.918	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	439968	54.070	ug/l		99
85) sec-Butylbenzene	13.618	105	504290	52.640	ug/l		99
86) p-Isopropyltoluene	13.729	119	421808	53.246	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229520	51.222	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	226918	50.147	ug/l		98
89) n-Butylbenzene	14.053	91	357432	49.759	ug/l		99
90) Hexachloroethane	14.335	117	77686	48.312	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223667	50.906	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	29542	48.080	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	105936	48.951	ug/l		100
94) Hexachlorobutadiene	15.500	225	48172	44.635	ug/l		99
95) Naphthalene	15.641	128	348005	48.506	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	105176	48.551	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 23 01:33:12 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)

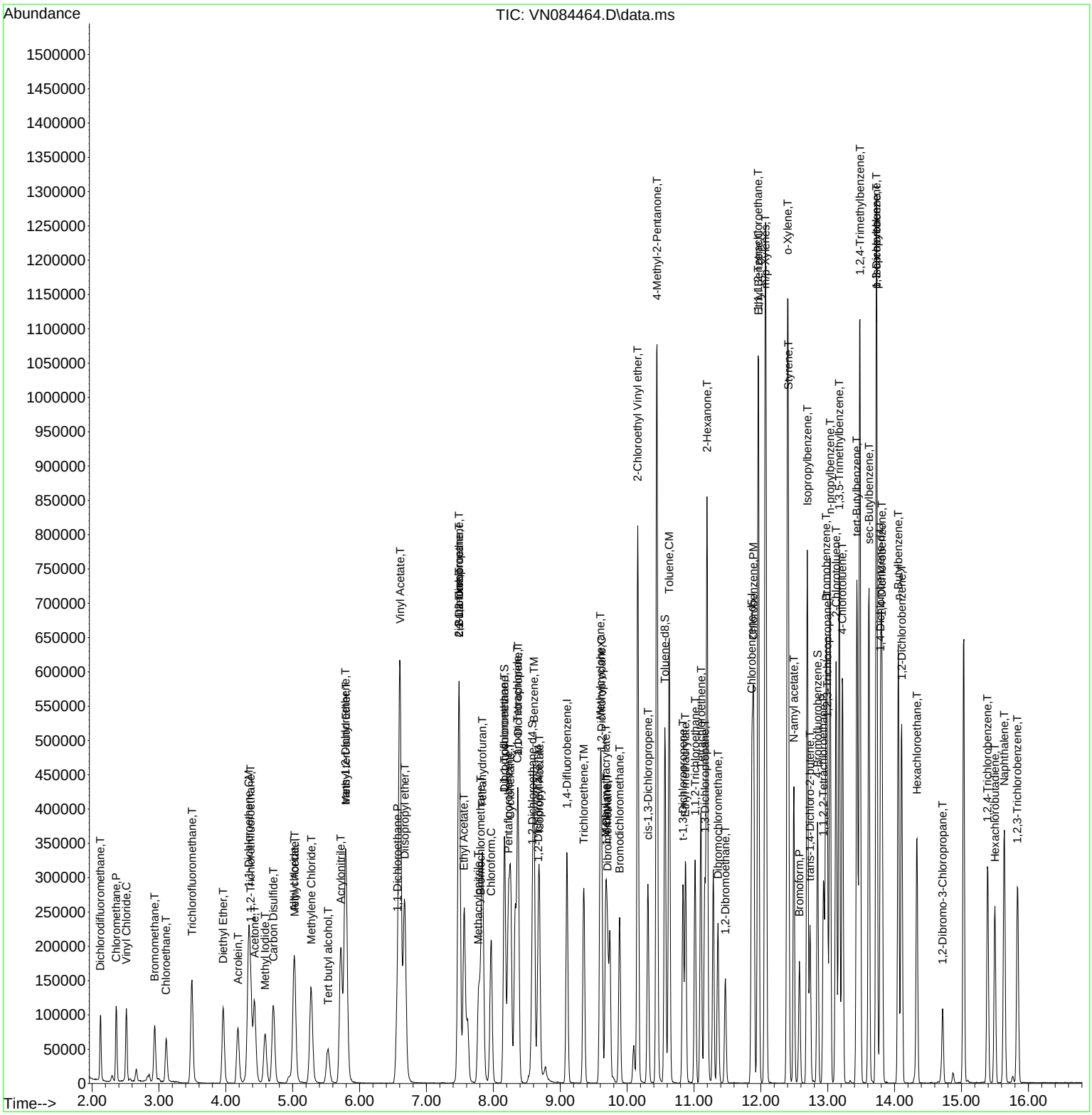
(#) = qualifier out of range (m) = manual integration (+) = signals summed

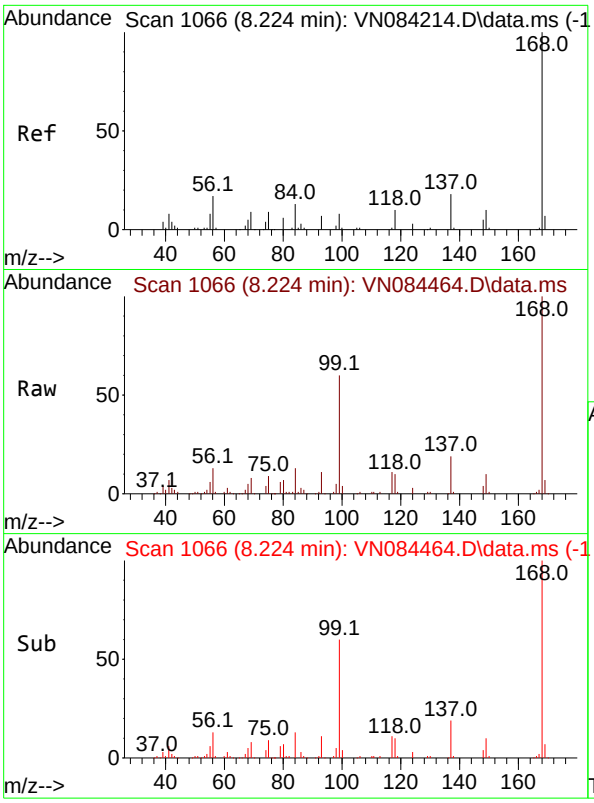
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084464.D
Acq On : 22 Oct 2024 19:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 23 01:33:12 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



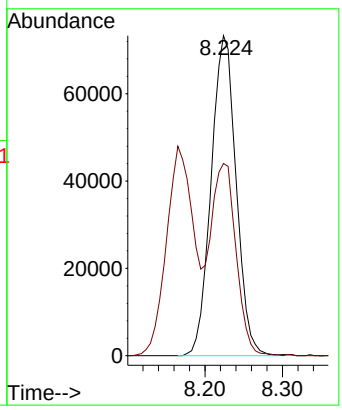


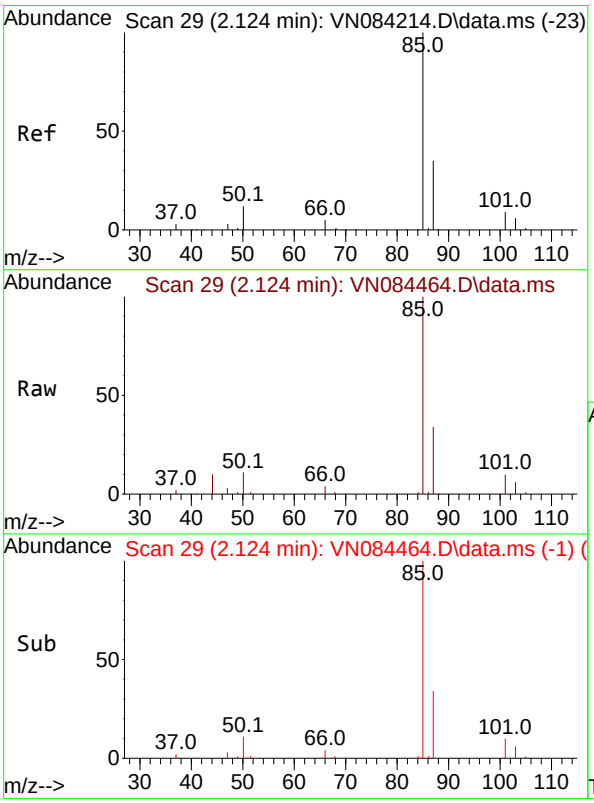
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 164294

Ion	Ratio	Lower	Upper
168	100		
99	59.8	54.2	81.2

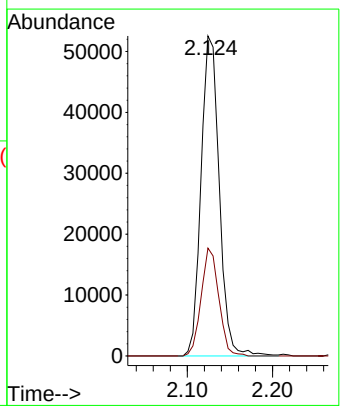


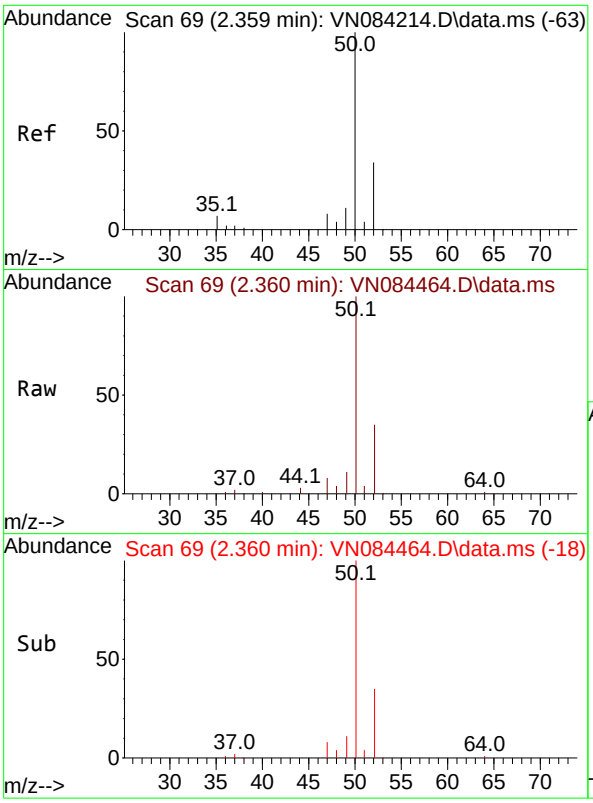


#2
Dichlorodifluoromethane
Concen: 40.150 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 85 Resp: 78025

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.6	52.9



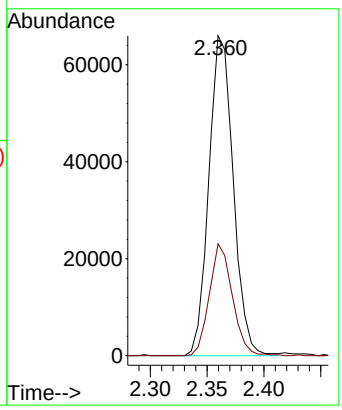


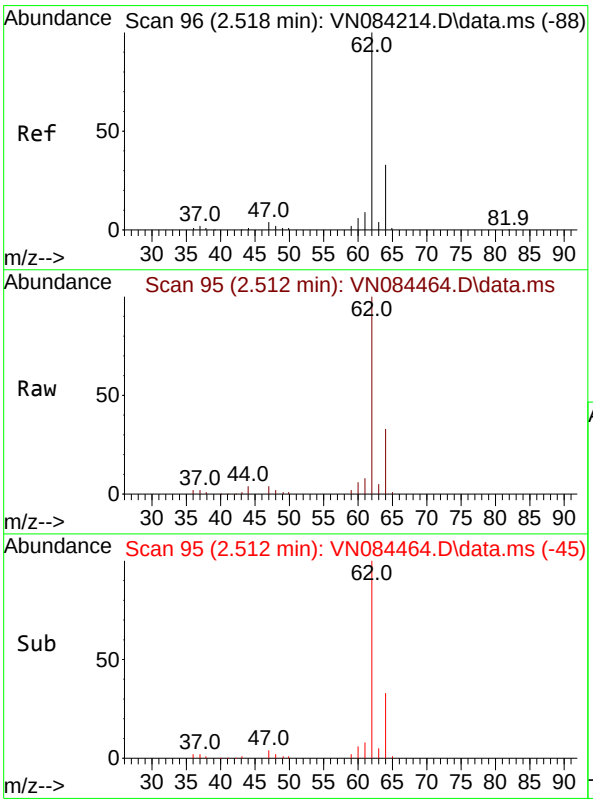
#3
Chloromethane
Concen: 44.455 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 98644

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.8	40.2

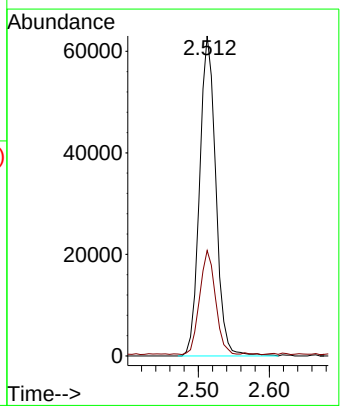


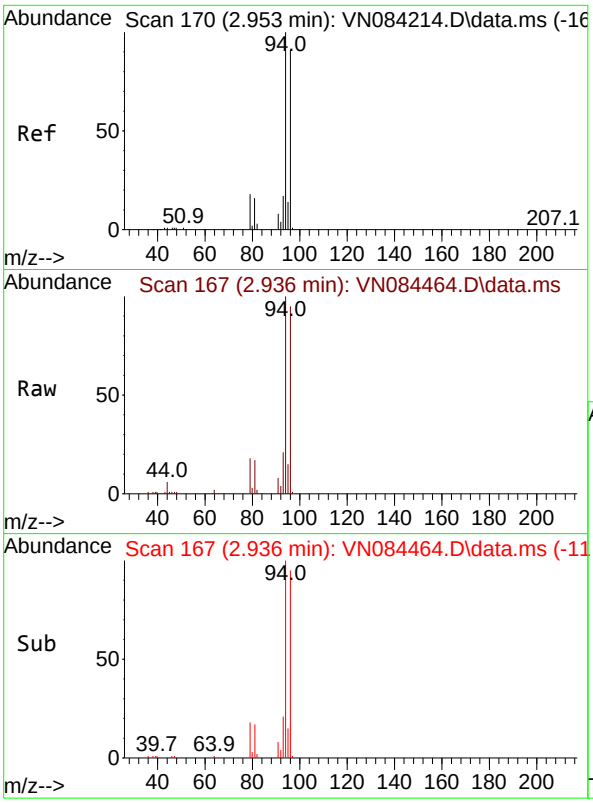


#4
Vinyl Chloride
Concen: 46.656 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 62 Resp: 100282

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.2	39.4



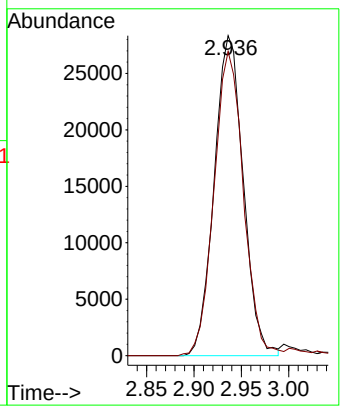


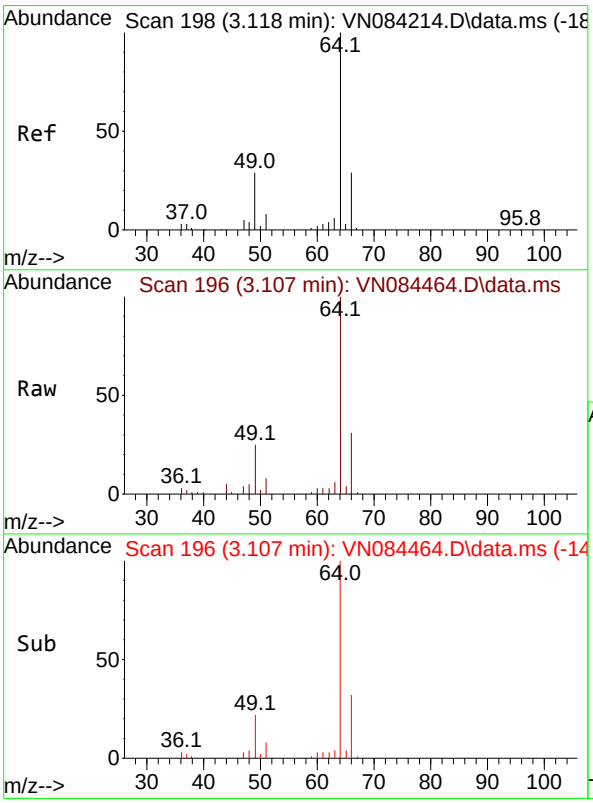
#5
Bromomethane
Concen: 42.694 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 60529

Ion	Ratio	Lower	Upper
94	100		
96	95.0	72.9	109.3

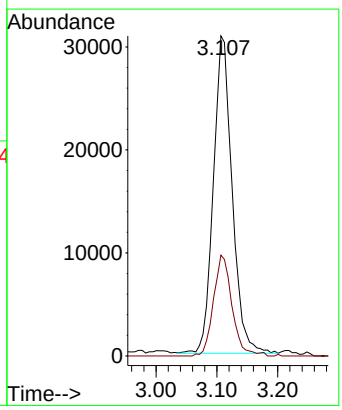


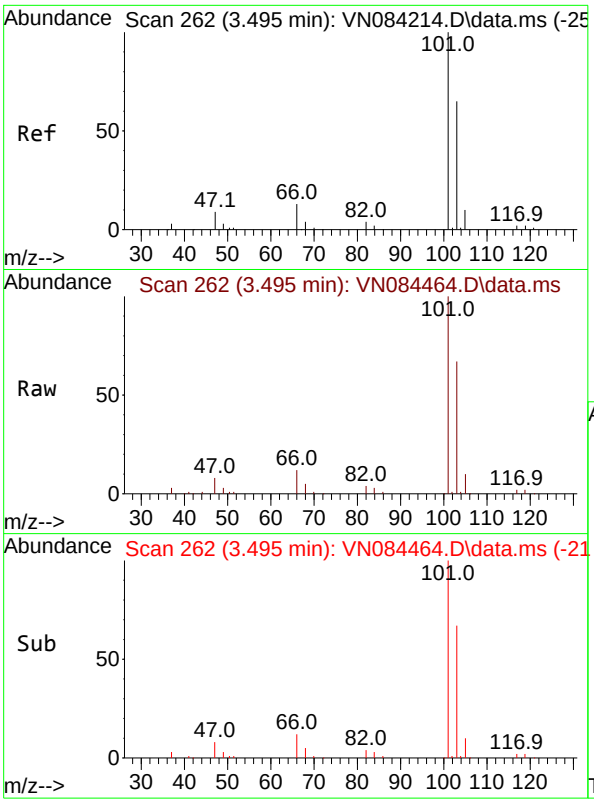


#6
Chloroethane
Concen: 42.838 ug/l
RT: 3.107 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 64 Resp: 65942

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.5	35.3



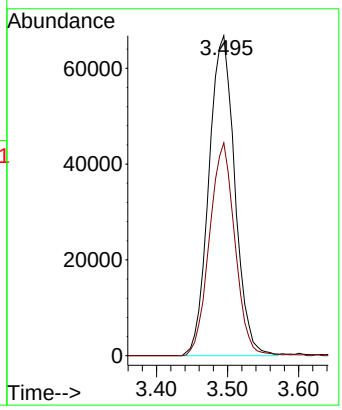


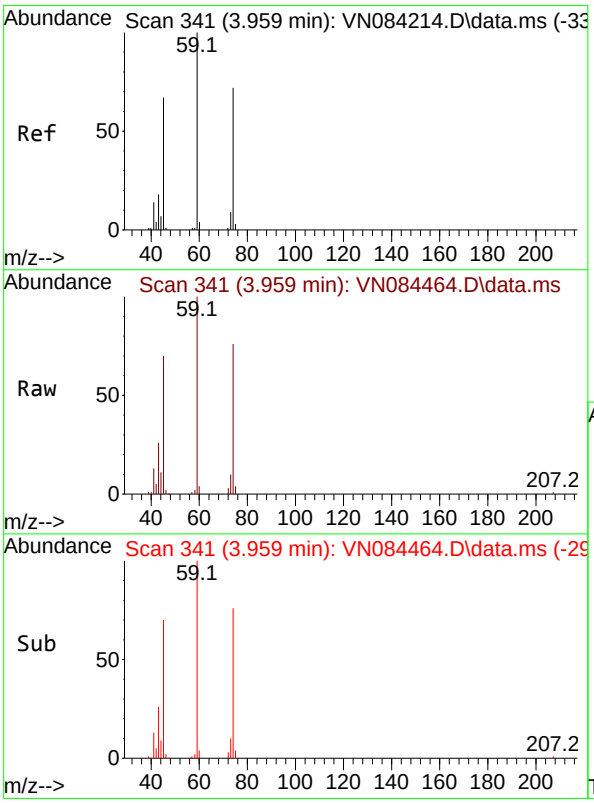
#7
Trichlorofluoromethane
Concen: 50.562 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 169232

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

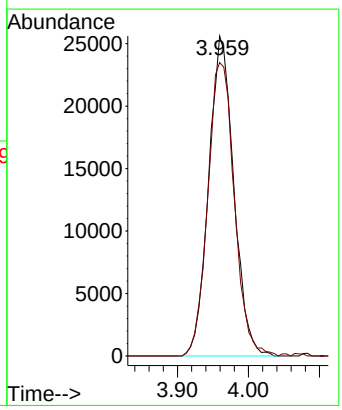


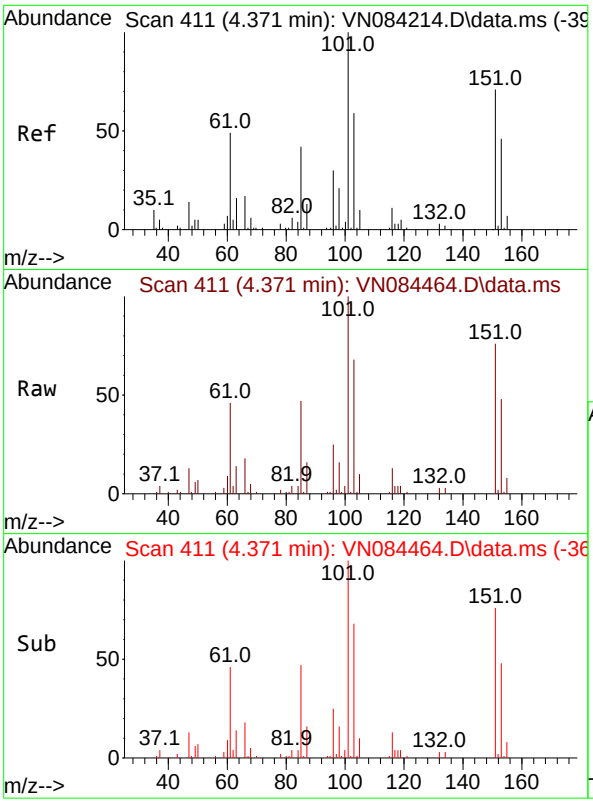


#8
Diethyl Ether
Concen: 50.626 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 74 Resp: 62844

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1



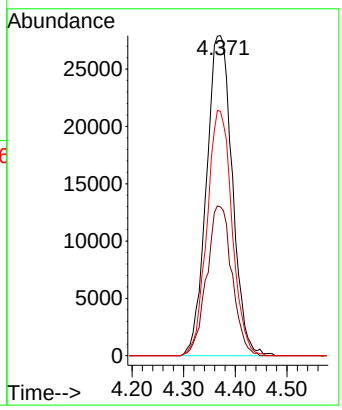


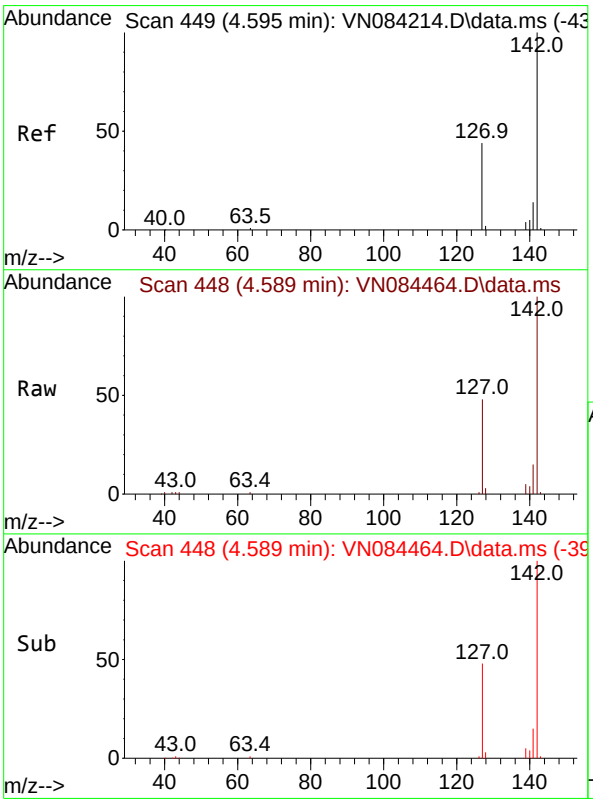
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.565 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 96973

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	74.0	59.3	88.9

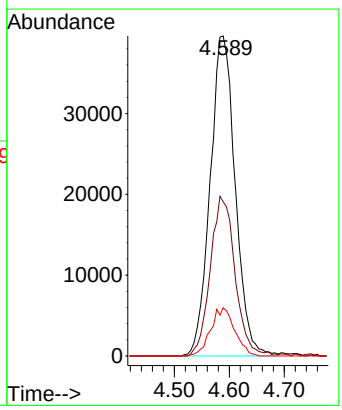


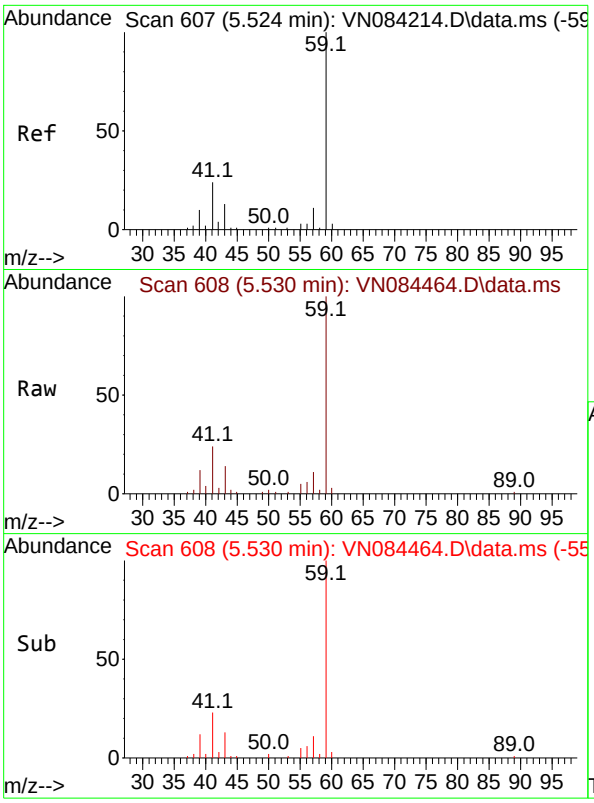


#10
Methyl Iodide
Concen: 50.904 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:142 Resp: 125719

Ion	Ratio	Lower	Upper
142	100		
127	48.2	35.3	52.9
141	15.1	11.0	16.6



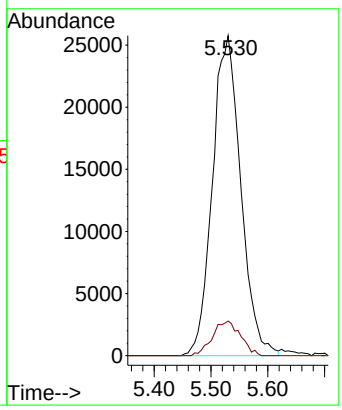


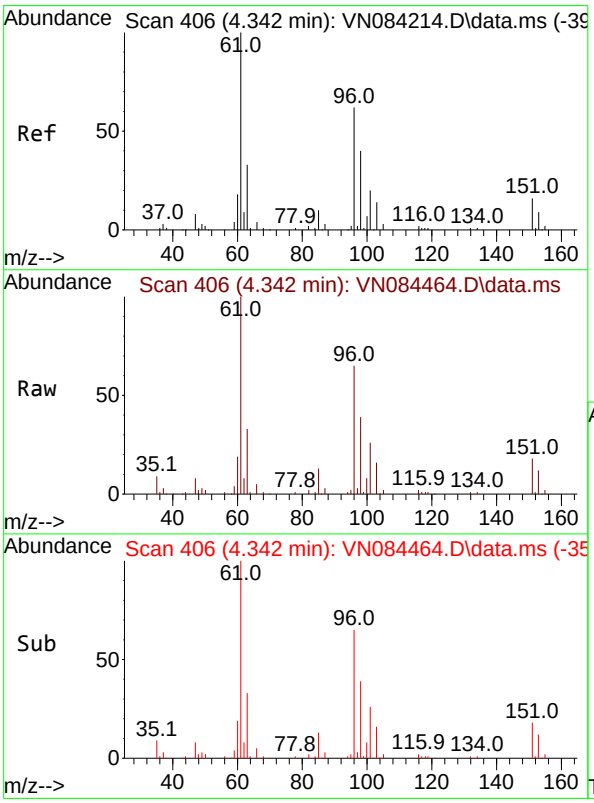
#11
Tert butyl alcohol
Concen: 221.946 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 89149

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

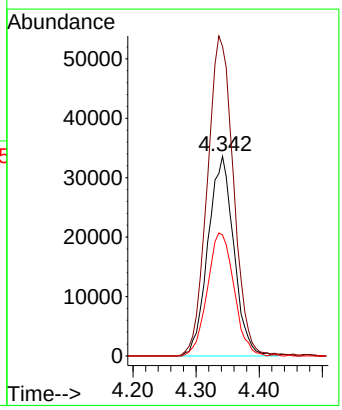


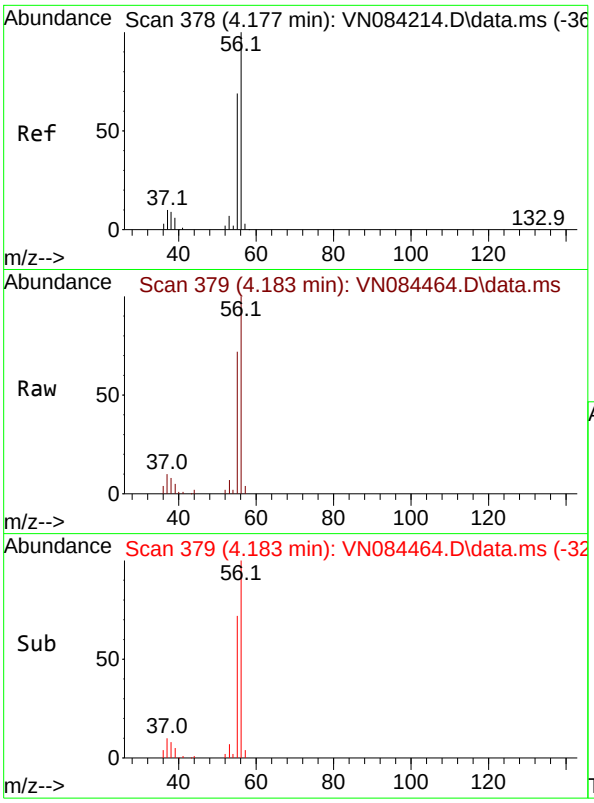


#12
1,1-Dichloroethene
Concen: 51.573 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 96 Resp: 95402

Ion	Ratio	Lower	Upper
96	100		
61	155.0	128.6	192.8
98	60.5	51.7	77.5



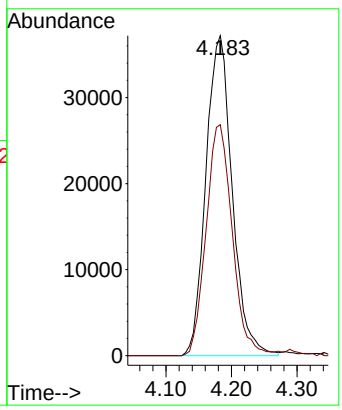


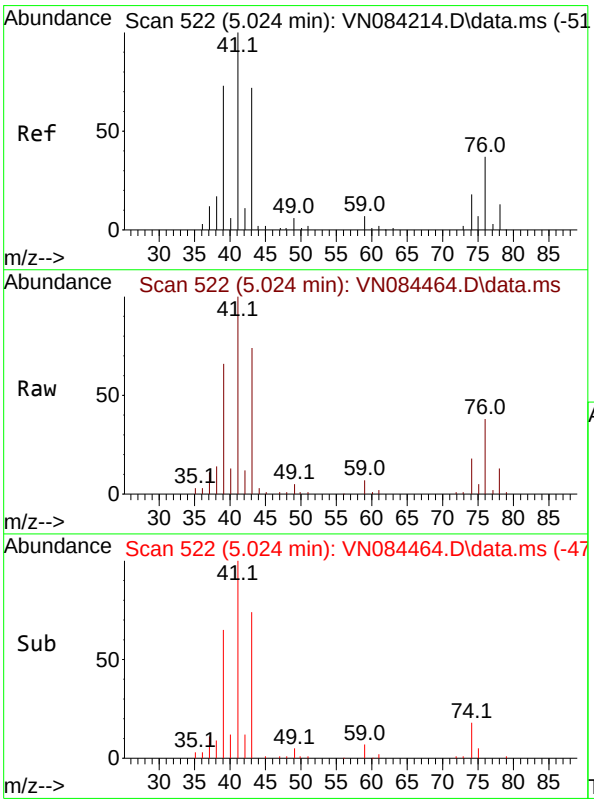
#13
Acrolein
Concen: 224.751 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 103638

Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.2	85.8

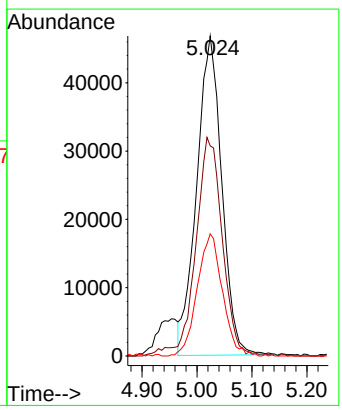


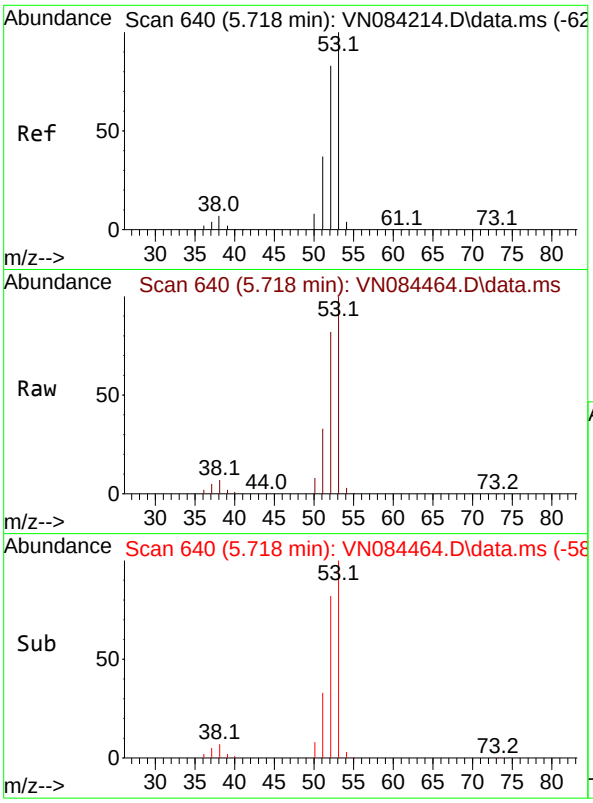


#14
Allyl chloride
Concen: 46.181 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 41 Resp: 148364

Ion	Ratio	Lower	Upper
41	100		
39	72.7	59.0	88.6
76	38.3	29.8	44.6



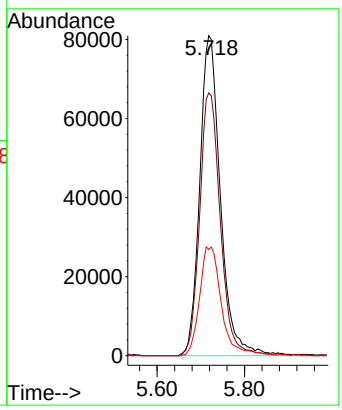


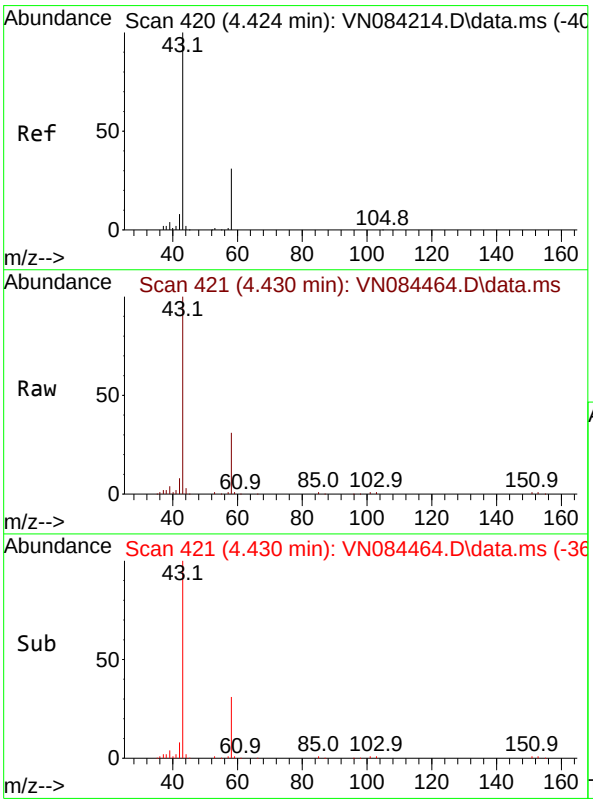
#15
Acrylonitrile
Concen: 262.567 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 266330

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2

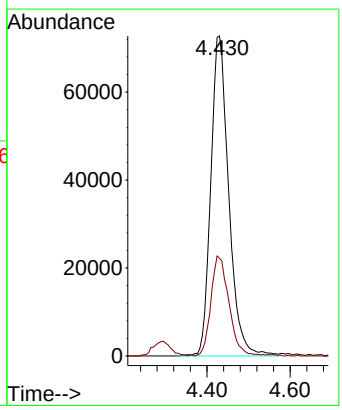


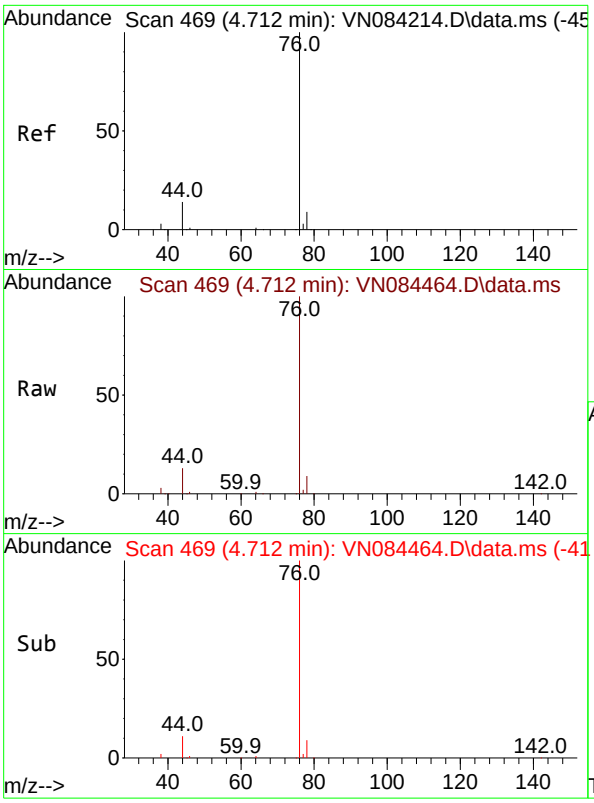


#16
Acetone
Concen: 208.362 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 218038

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.4	36.6



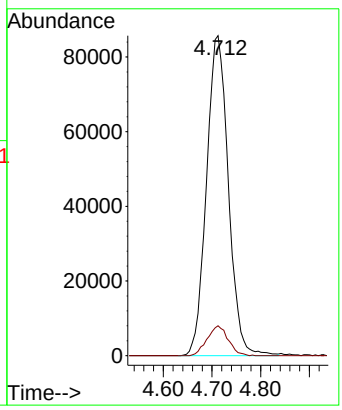


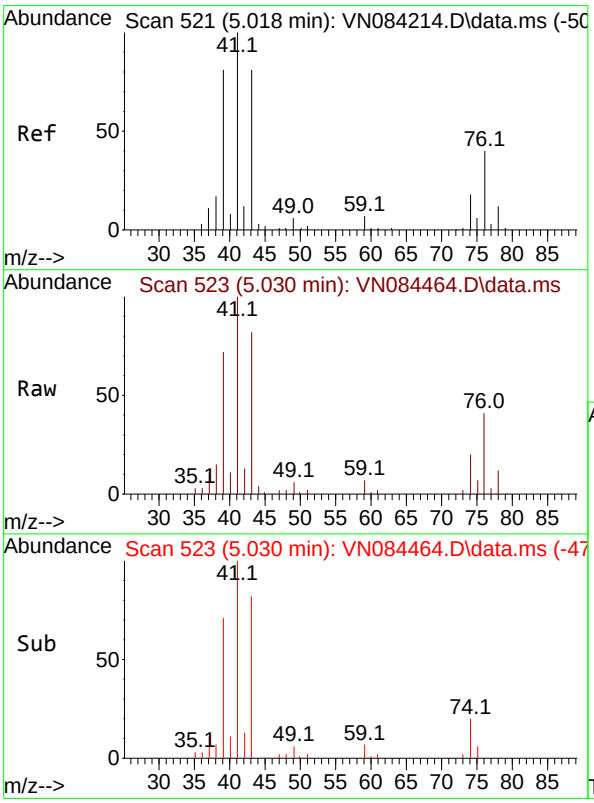
#17
Carbon Disulfide
Concen: 45.577 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 266930

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

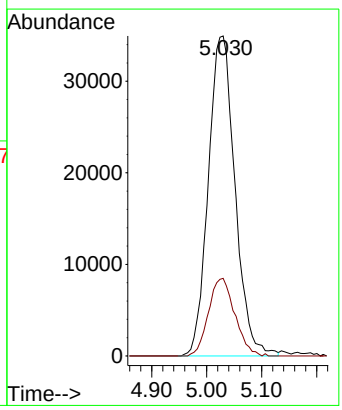


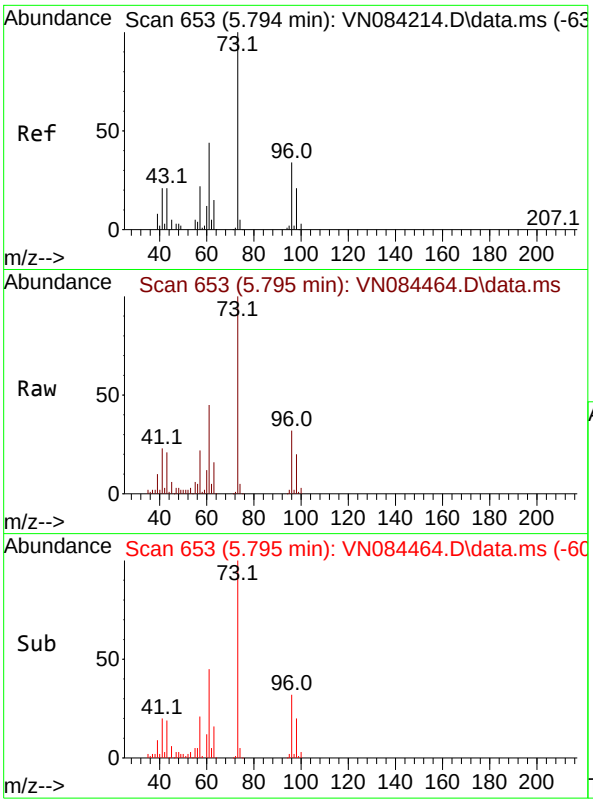


#18
Methyl Acetate
Concen: 51.658 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 117821

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8



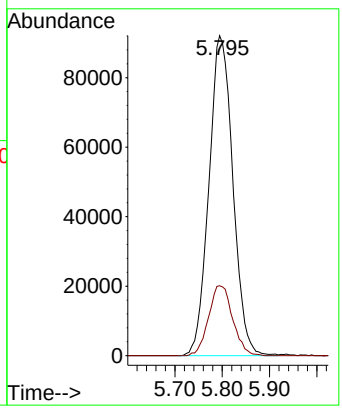


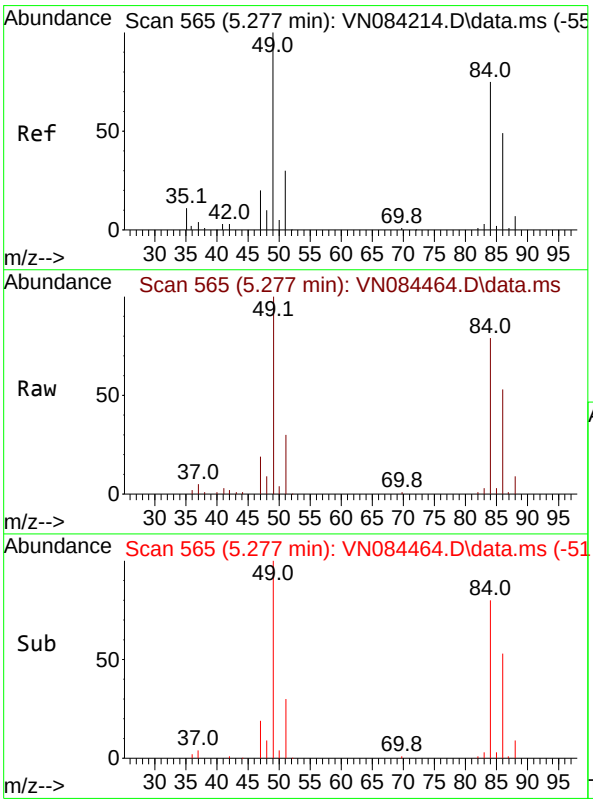
#19
Methyl tert-butyl Ether
Concen: 51.785 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 323323

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

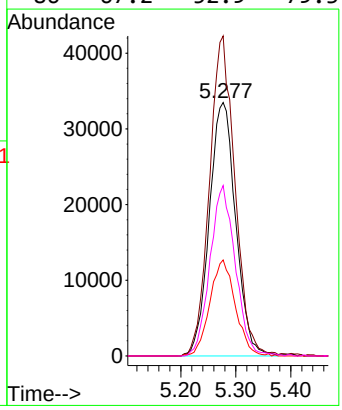


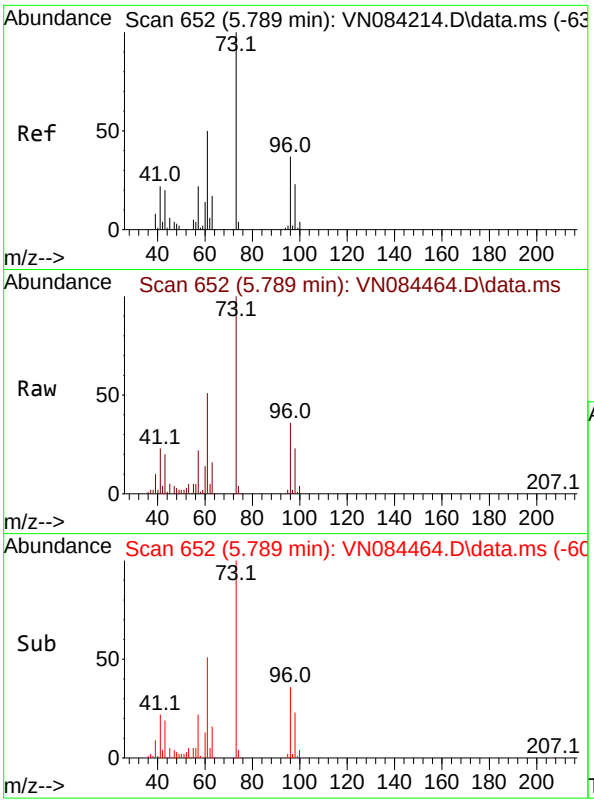


#20
Methylene Chloride
Concen: 52.394 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 84 Resp: 111451

Ion	Ratio	Lower	Upper
84	100		
49	126.3	107.2	160.8
51	37.9	31.8	47.8
86	67.2	52.9	79.3



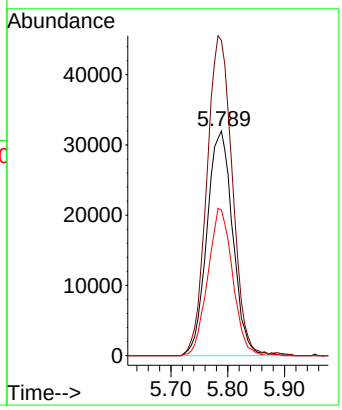


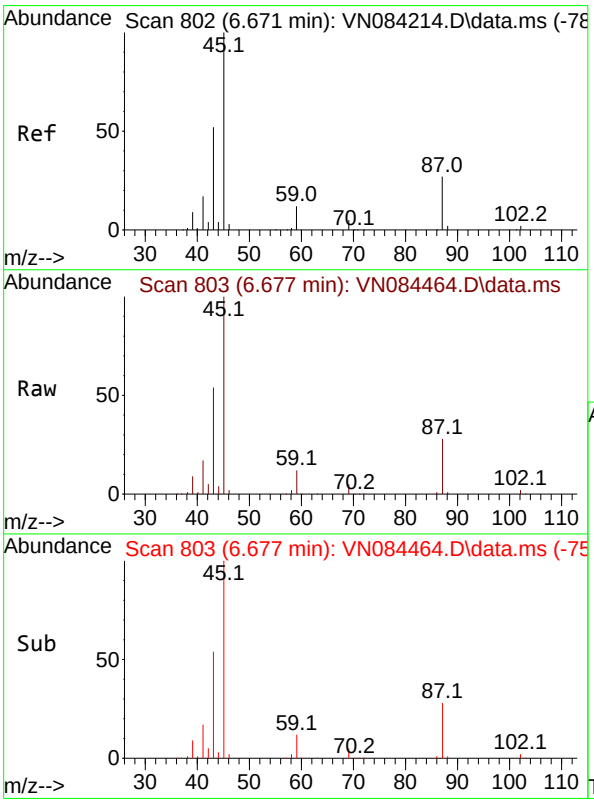
#21
trans-1,2-Dichloroethene
Concen: 52.154 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 101076

Ion	Ratio	Lower	Upper
96	100		
61	140.3	108.4	162.6
98	64.9	49.8	74.8

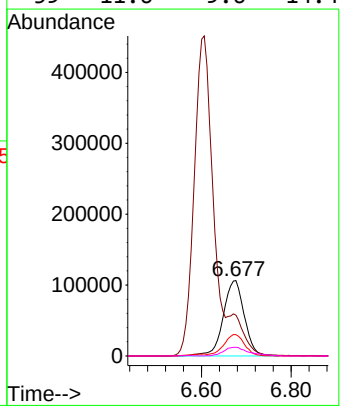


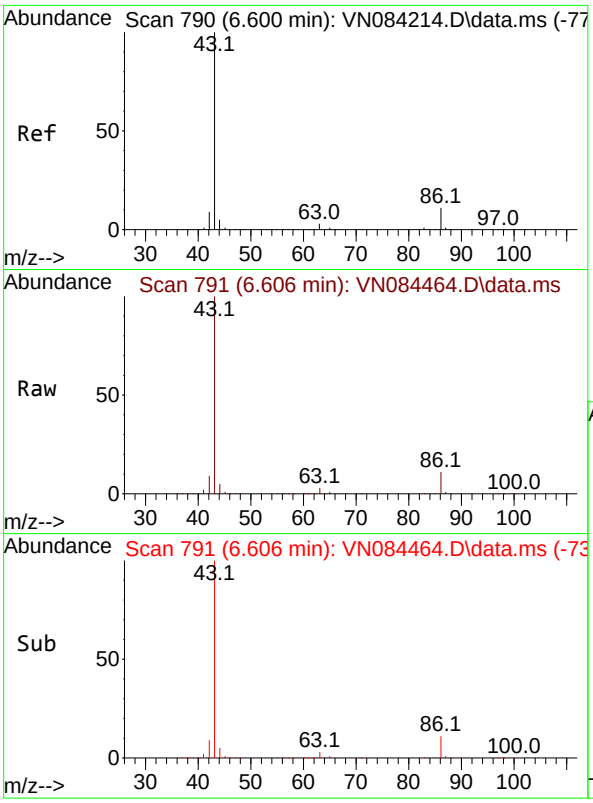


#22
Diisopropyl ether
Concen: 52.237 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 45 Resp: 347126

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.3	63.5
87	28.3	21.8	32.6
59	11.6	9.6	14.4



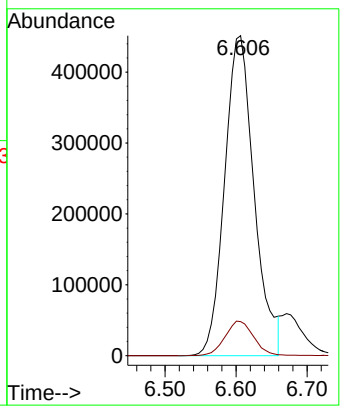


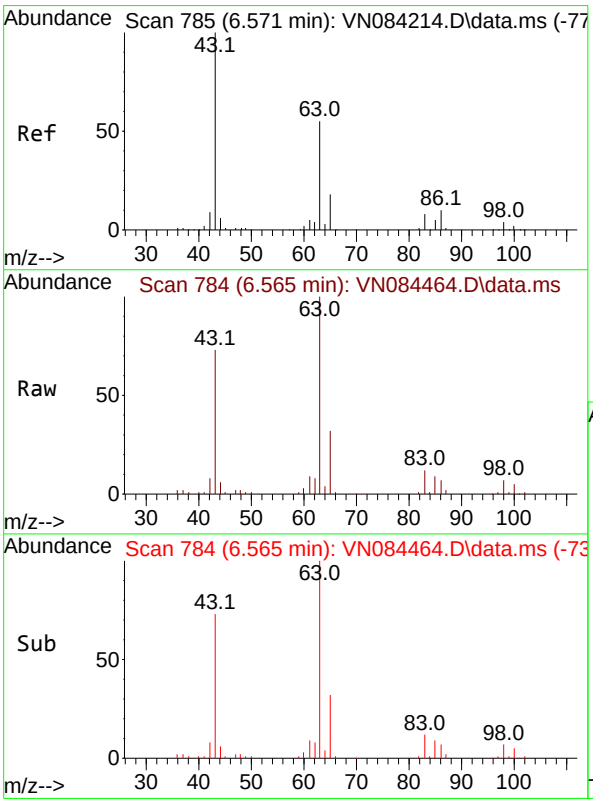
#23
Vinyl Acetate
Concen: 265.286 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1307522

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

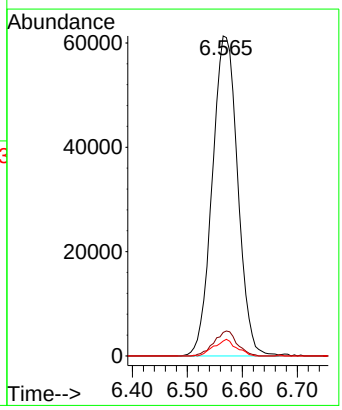


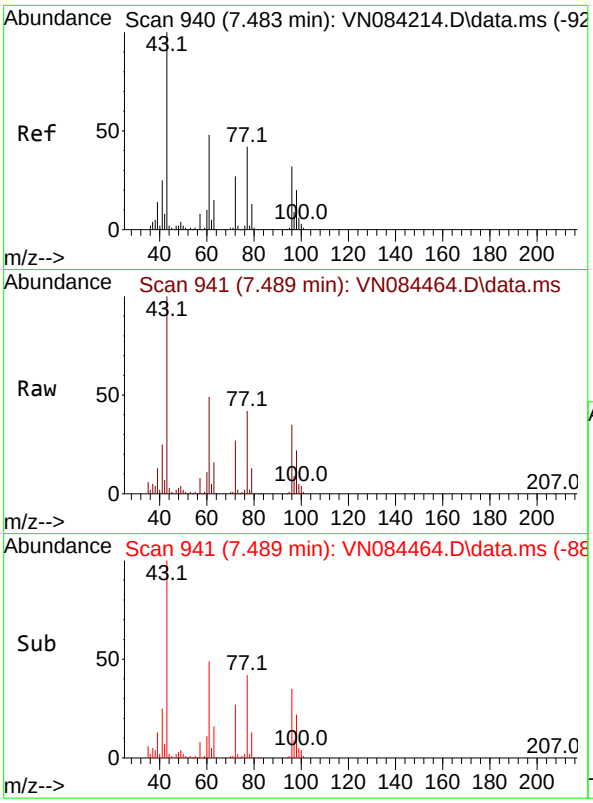


#24
1,1-Dichloroethane
Concen: 53.012 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 63 Resp: 197001

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.7	2.0	5.8



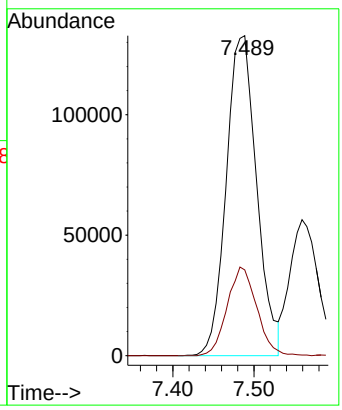


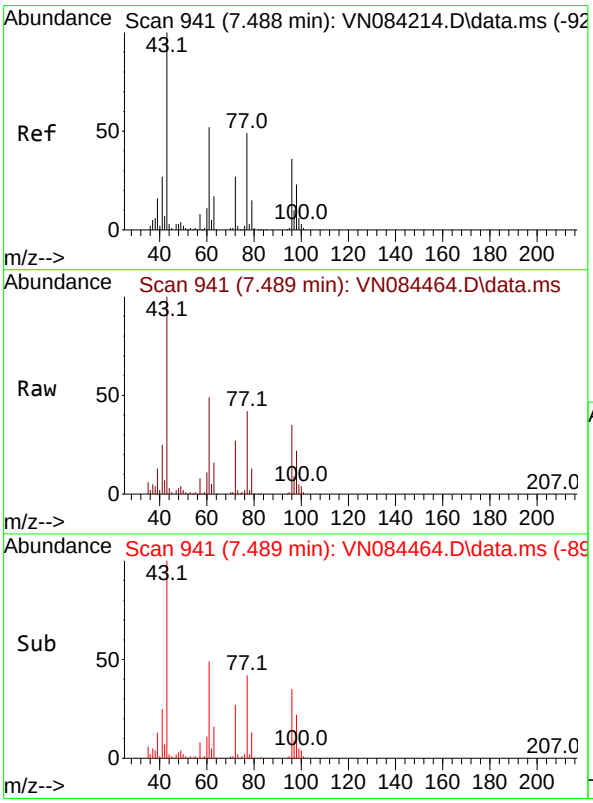
#25
2-Butanone
Concen: 242.901 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 346199

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

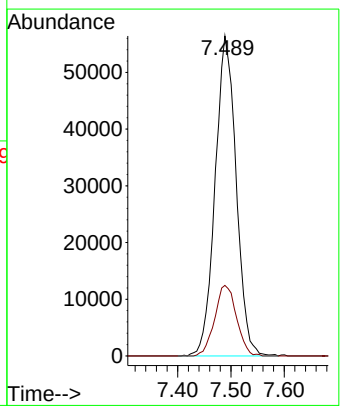


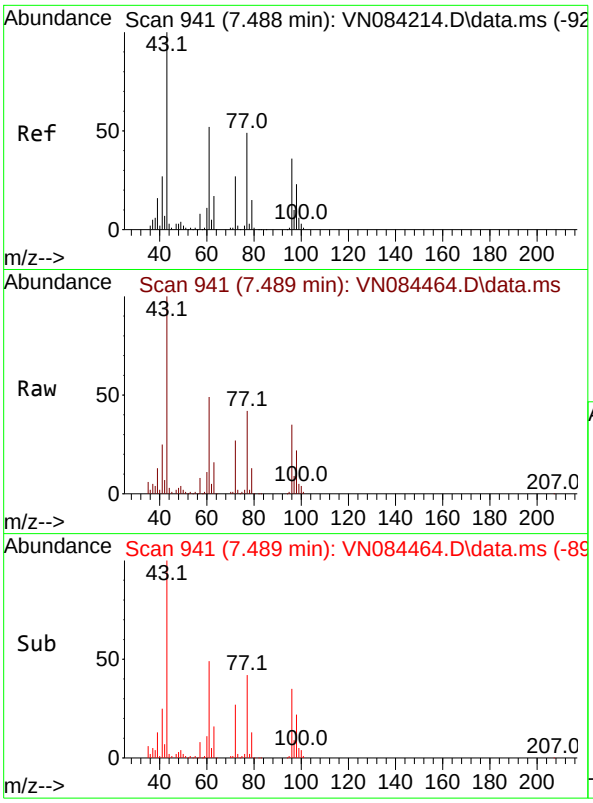


#26
2,2-Dichloropropane
Concen: 46.170 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 77 Resp: 154700

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3



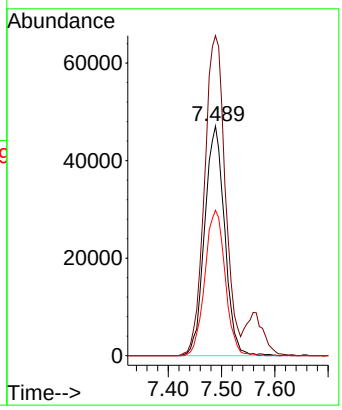


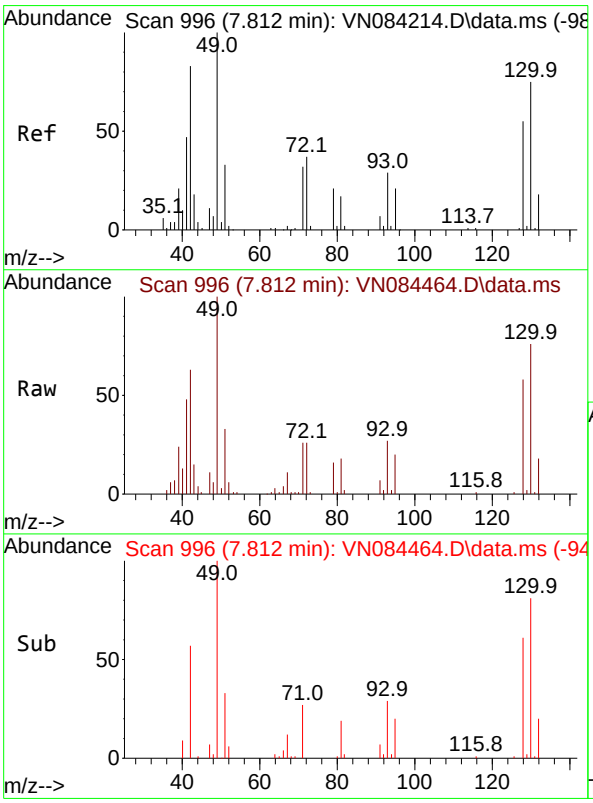
#27
cis-1,2-Dichloroethene
Concen: 52.449 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 122830

Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	301.8
98	64.3	0.0	128.2

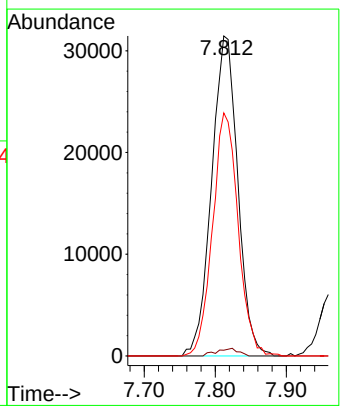


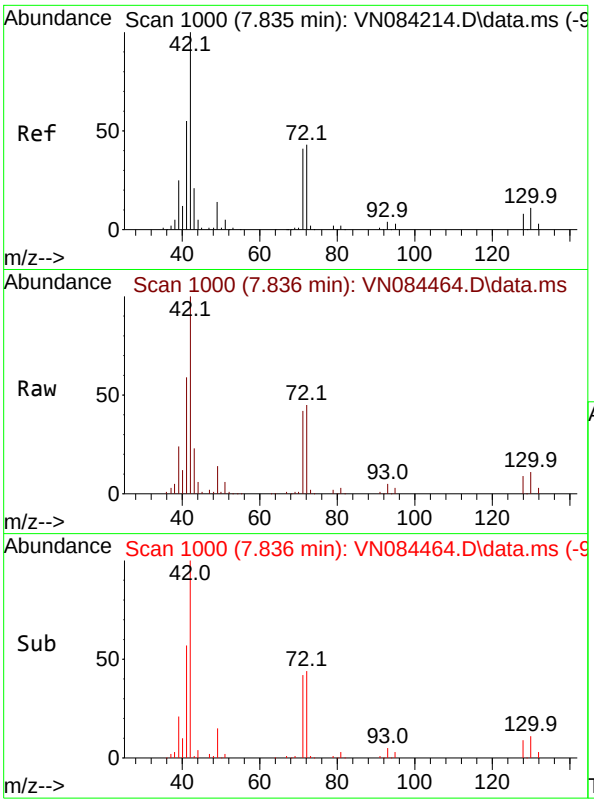


#28
Bromochloromethane
Concen: 48.502 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 49 Resp: 80419

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	74.2	58.0	87.0



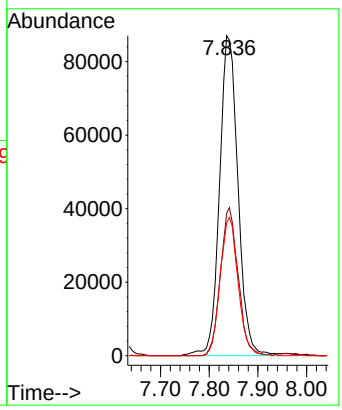


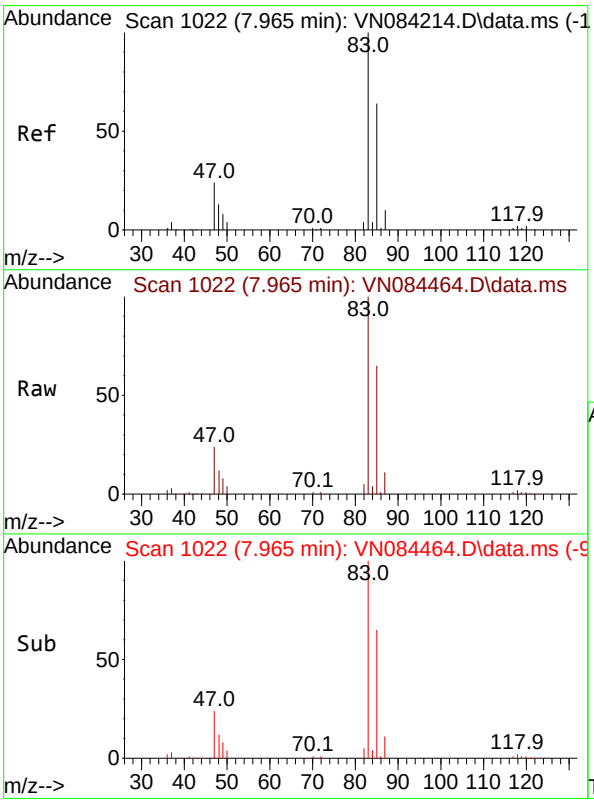
#29
Tetrahydrofuran
Concen: 260.658 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 229263

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.1	32.2	48.4

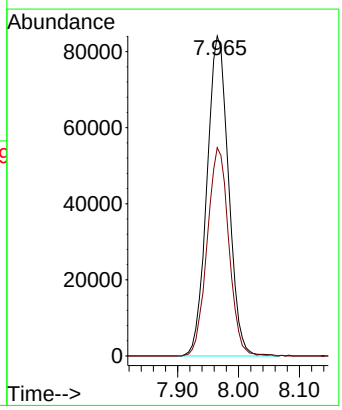


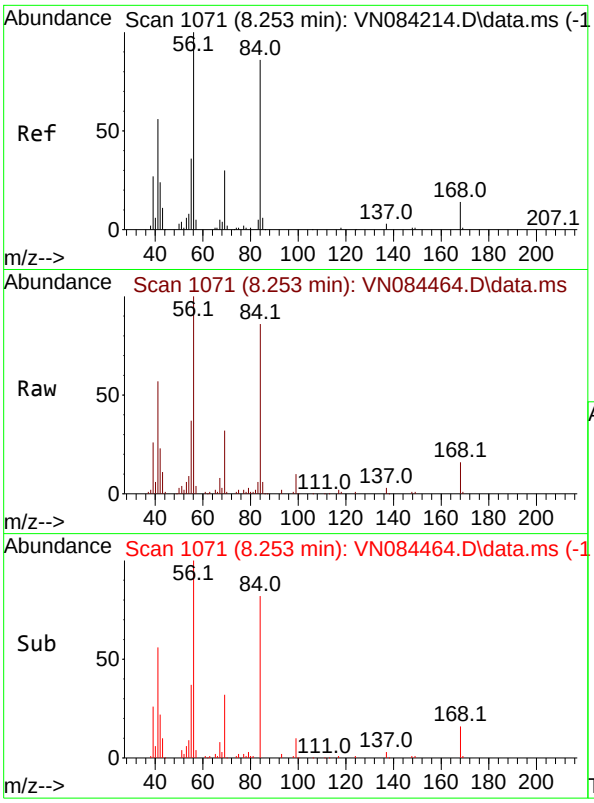


#30
Chloroform
Concen: 53.621 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 83 Resp: 206986

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.4



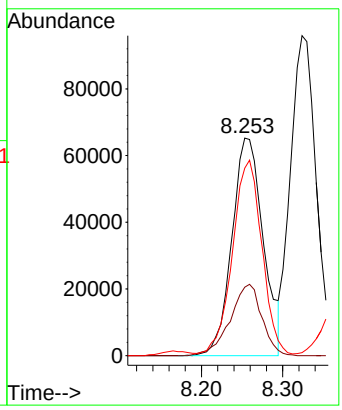


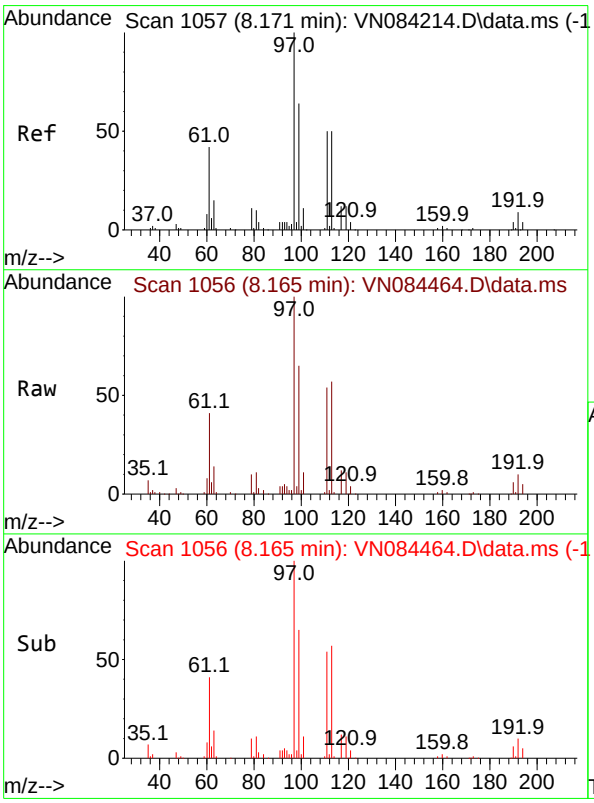
#31
Cyclohexane
Concen: 48.574 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 175264

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.6
84	84.3	68.8	103.2

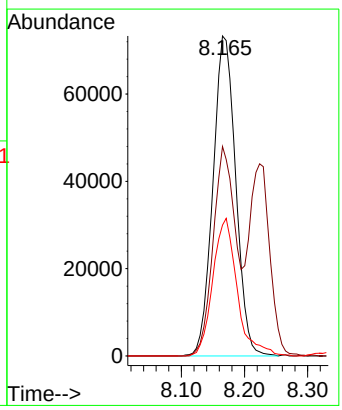


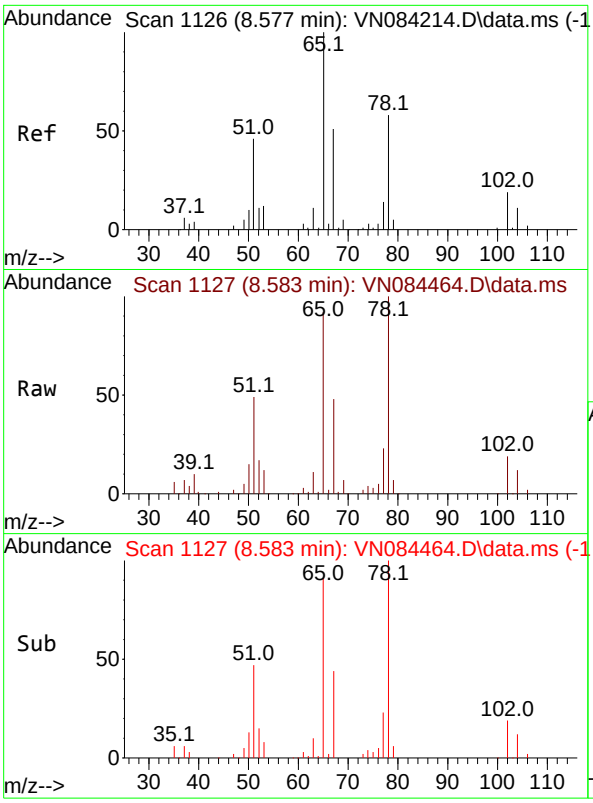


#32
1,1,1-Trichloroethane
Concen: 53.058 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 97 Resp: 183943

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	46.1	37.5	56.3



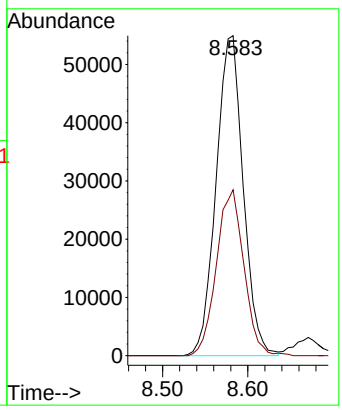


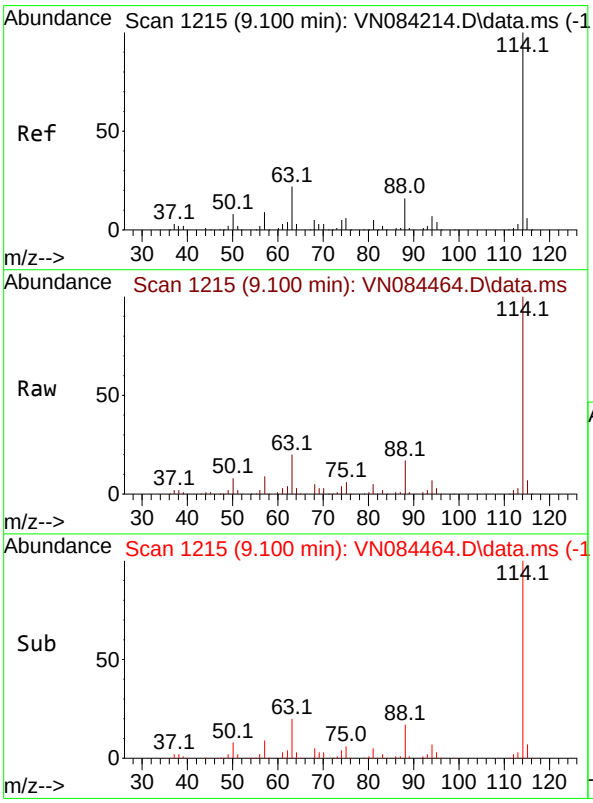
#33
1,2-Dichloroethane-d4
Concen: 49.801 ug/l
RT: 8.583 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 121314

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0

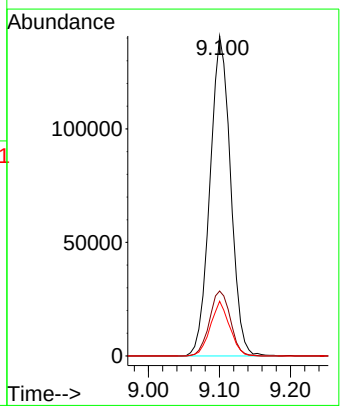


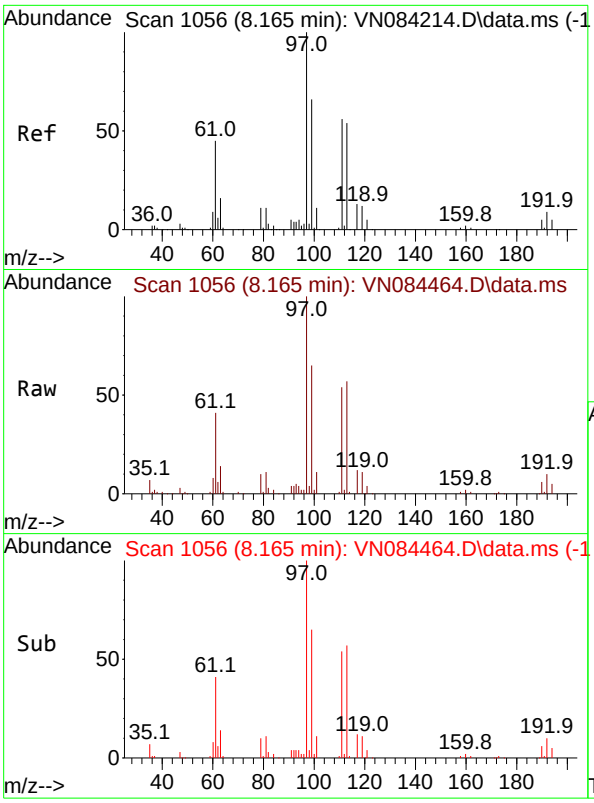


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:114 Resp: 283563

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	17.1	0.0	31.6



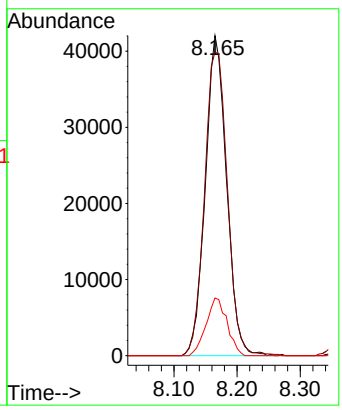


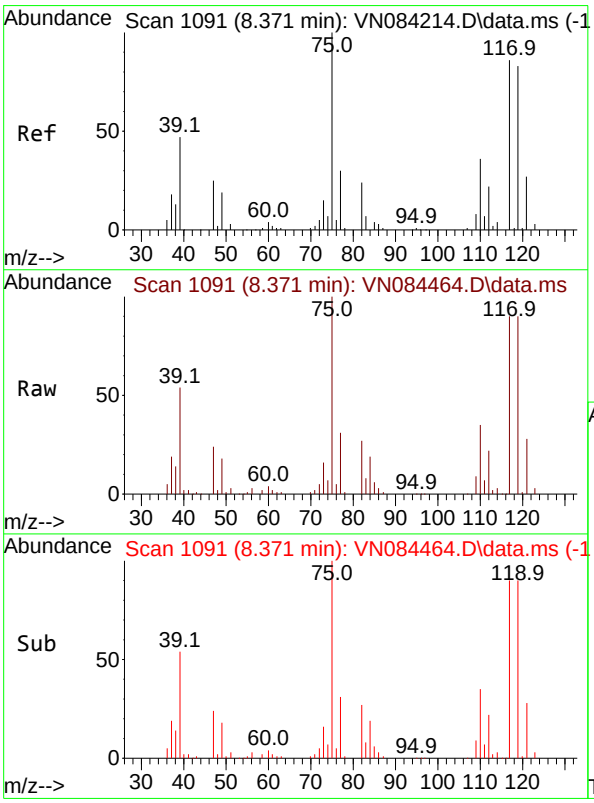
#35
Dibromofluoromethane
Concen: 52.526 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 98194

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.3	124.9
192	17.8	13.5	20.3

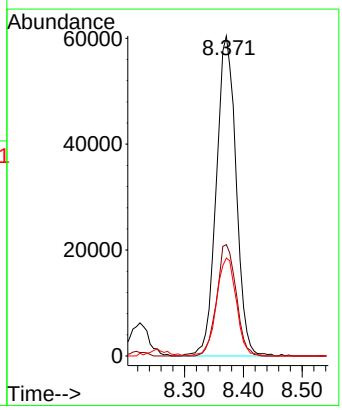


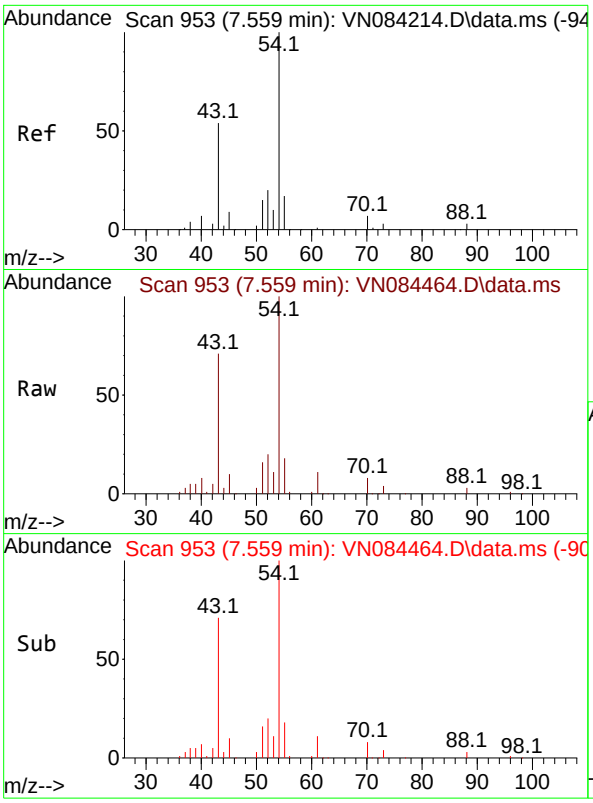


#36
1,1-Dichloropropene
Concen: 52.000 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 141201

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.9	24.7	37.1



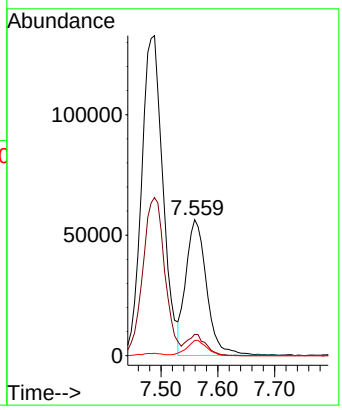


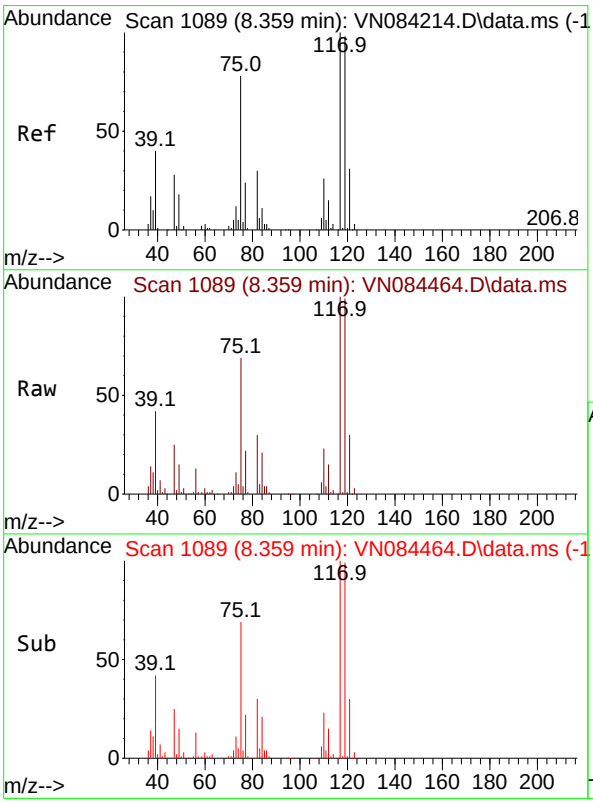
#37
Ethyl Acetate
Concen: 51.256 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 142788

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.9	8.8	13.2

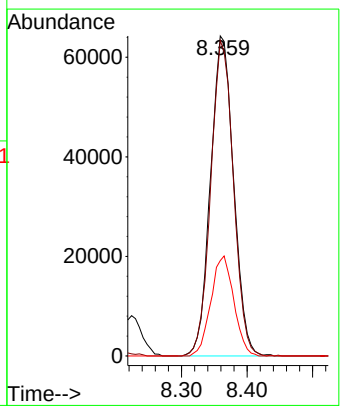


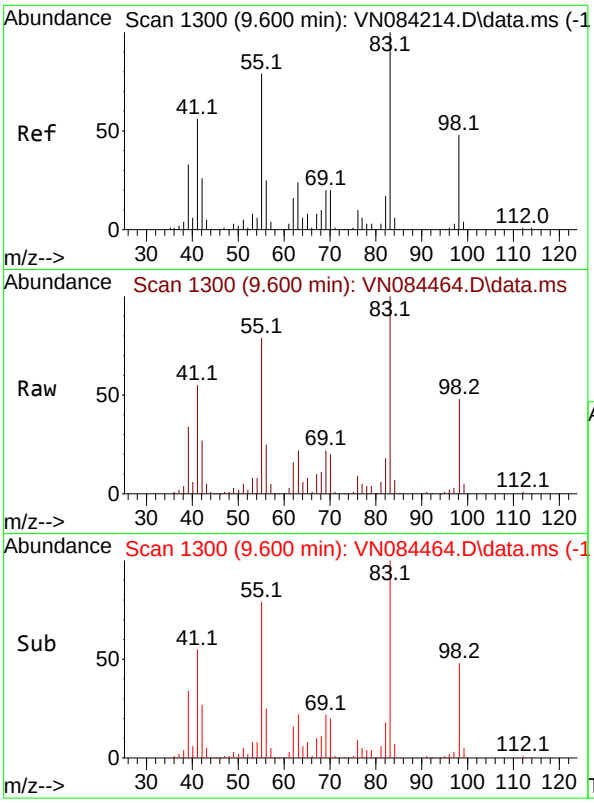


#38
Carbon Tetrachloride
Concen: 52.719 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:117 Resp: 157033

Ion	Ratio	Lower	Upper
117	100		
119	98.5	78.7	118.1
121	29.8	24.4	36.6



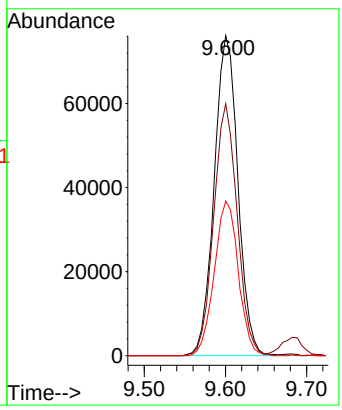


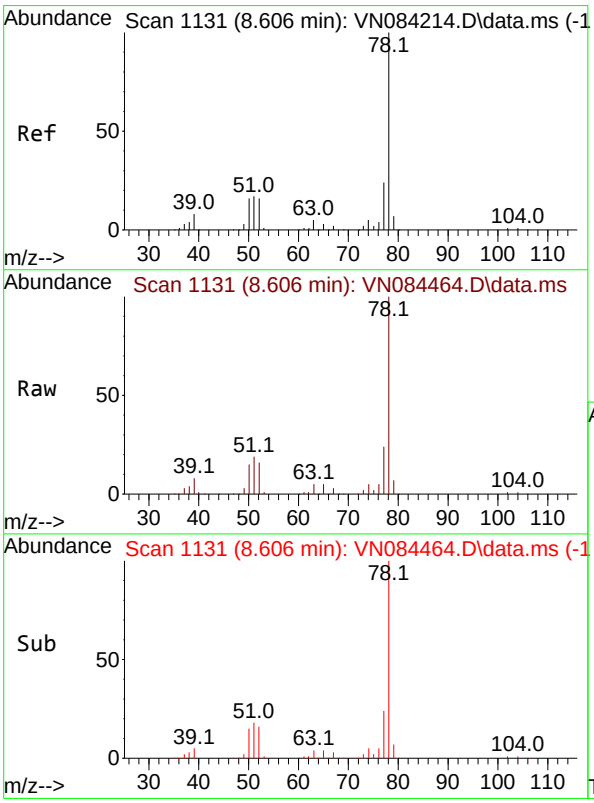
#39
Methylcyclohexane
Concen: 51.186 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 154691

Ion	Ratio	Lower	Upper
83	100		
55	78.7	62.8	94.2
98	48.3	38.8	58.2

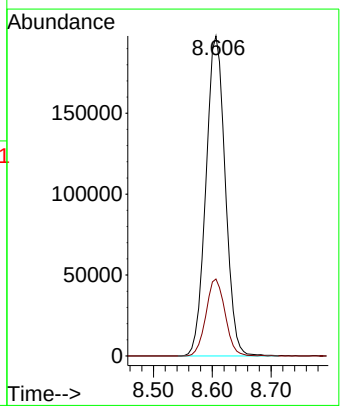


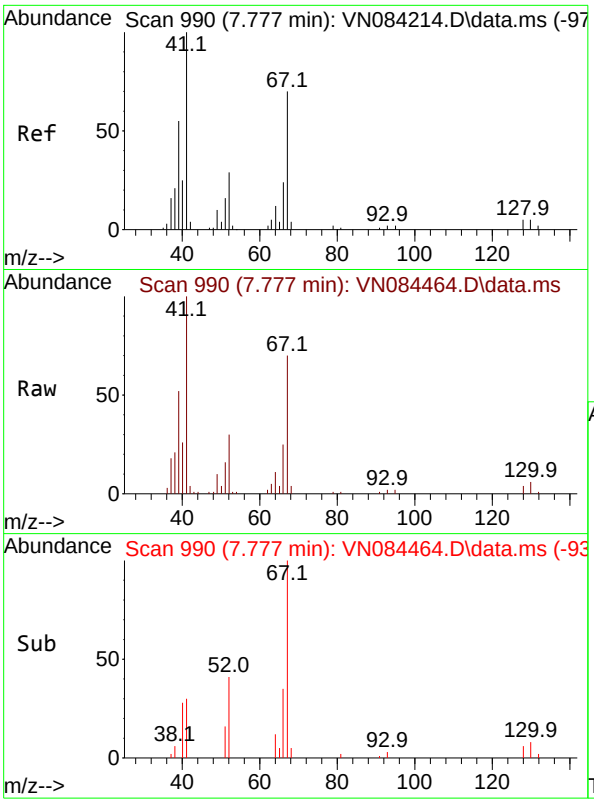


#40
Benzene
Concen: 53.237 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 78 Resp: 450399

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7



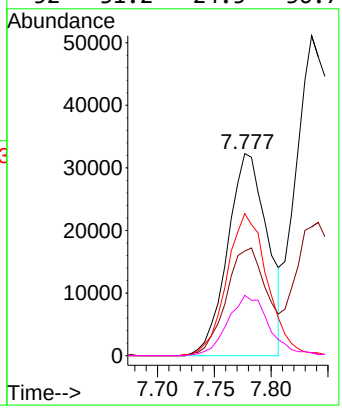


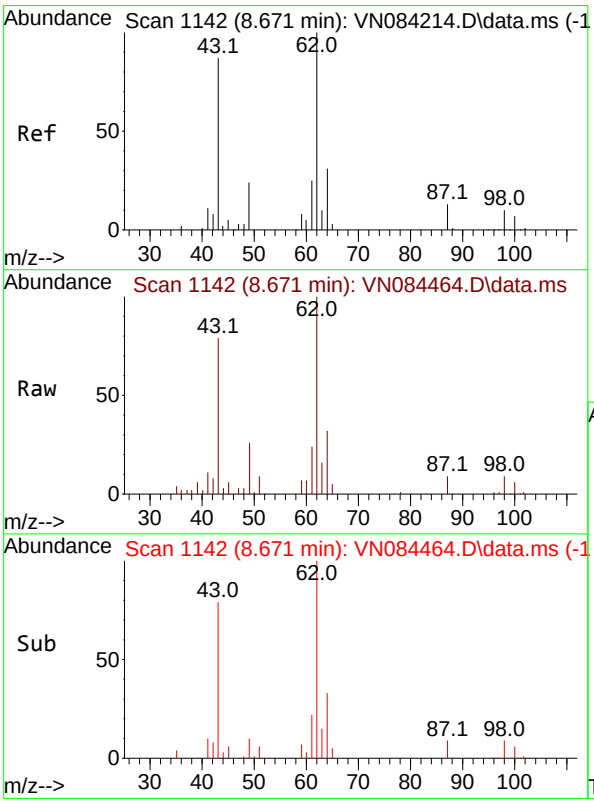
#41
Methacrylonitrile
Concen: 51.960 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 78582

Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.3	64.9
67	72.5	56.1	84.1
52	31.2	24.5	36.7

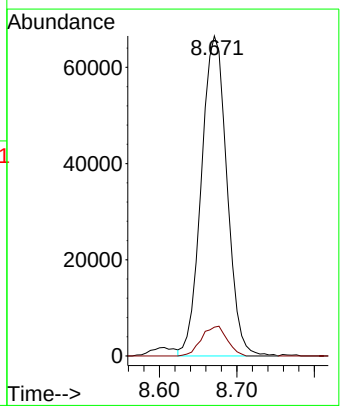


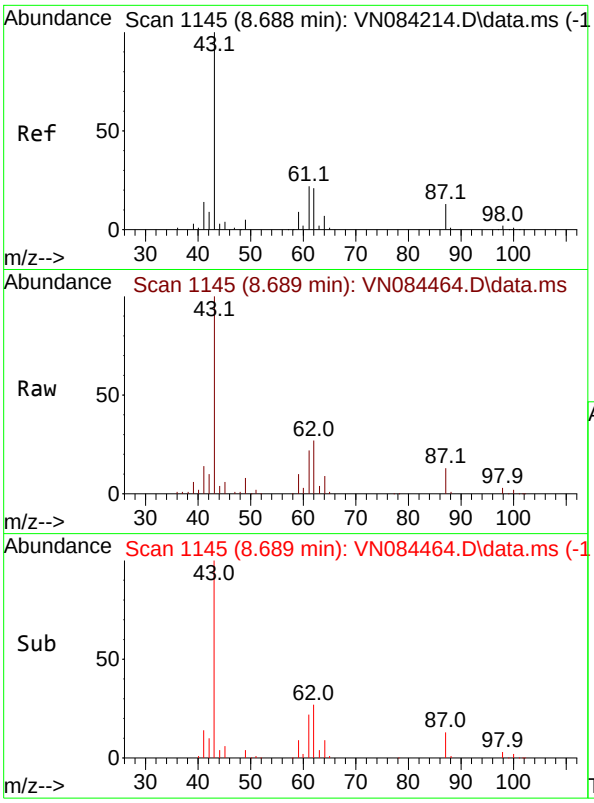


#42
1,2-Dichloroethane
Concen: 53.226 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 62 Resp: 152659

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



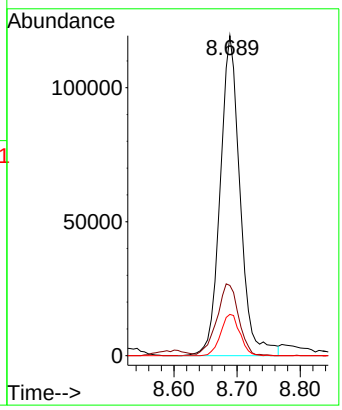


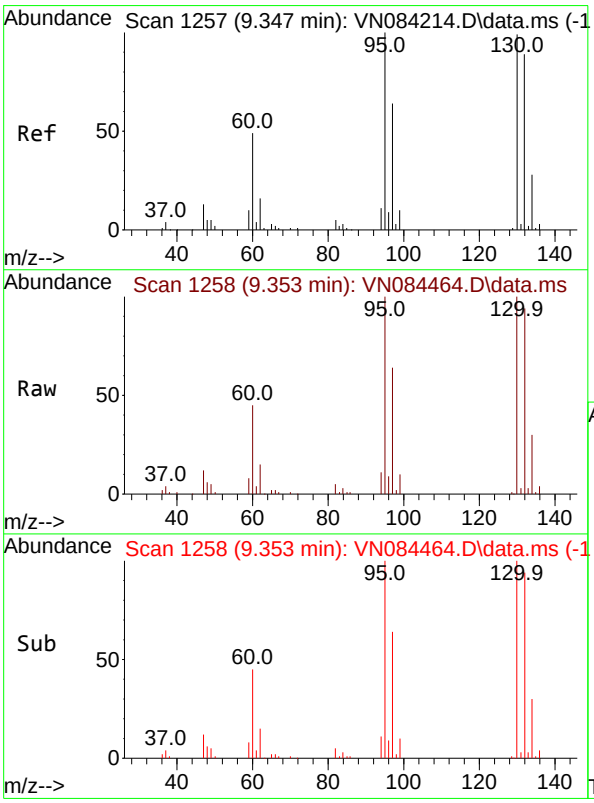
#43
Isopropyl Acetate
Concen: 48.029 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 262069

Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.4	10.3	15.5

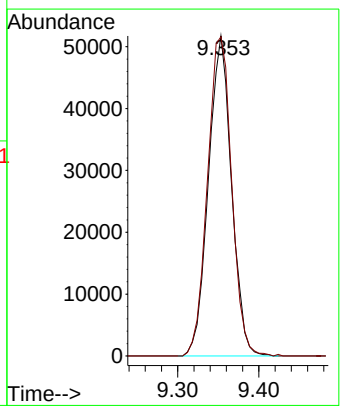


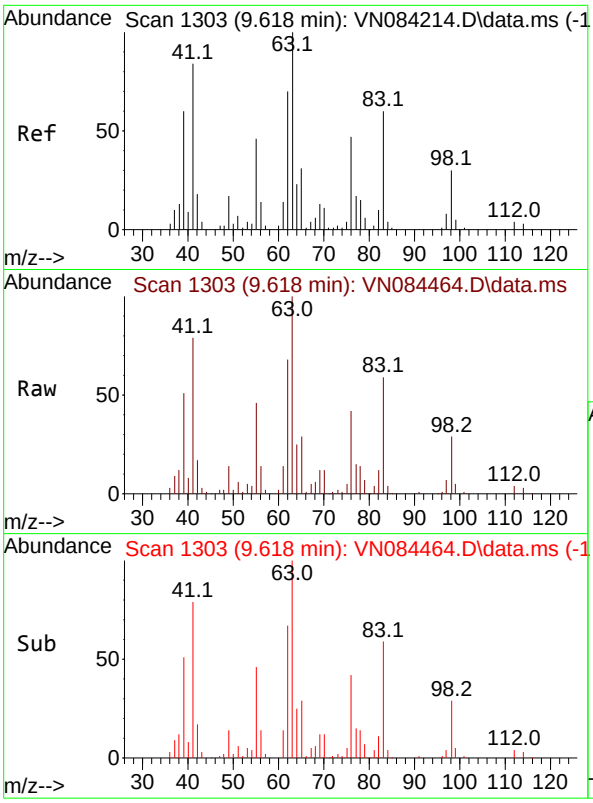


#44
Trichloroethene
Concen: 51.623 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:130 Resp: 102007

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0



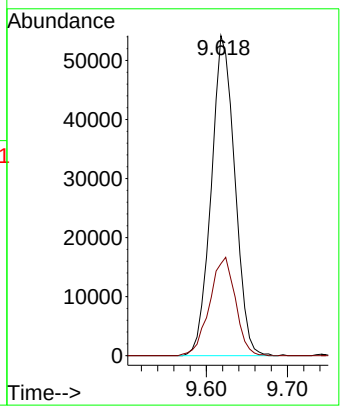


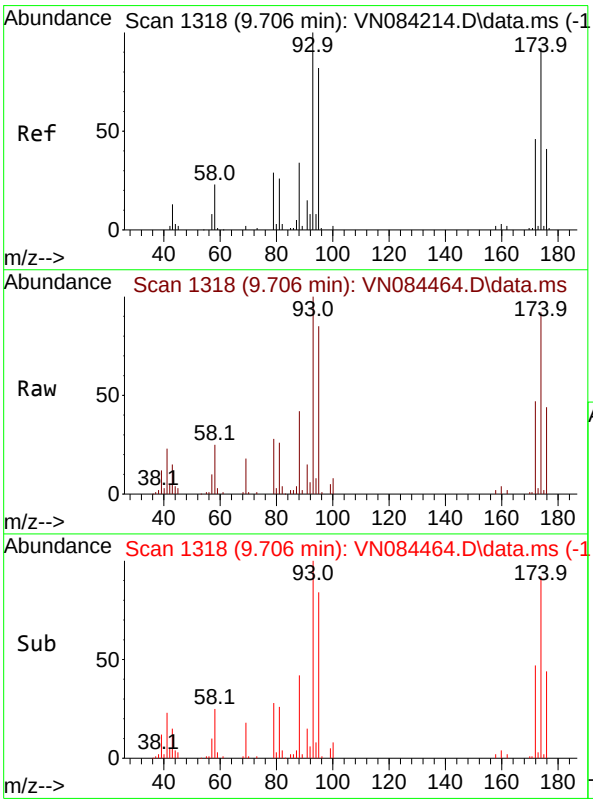
#45
1,2-Dichloropropane
Concen: 54.645 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 109365

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

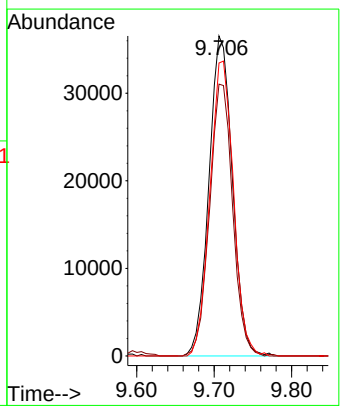


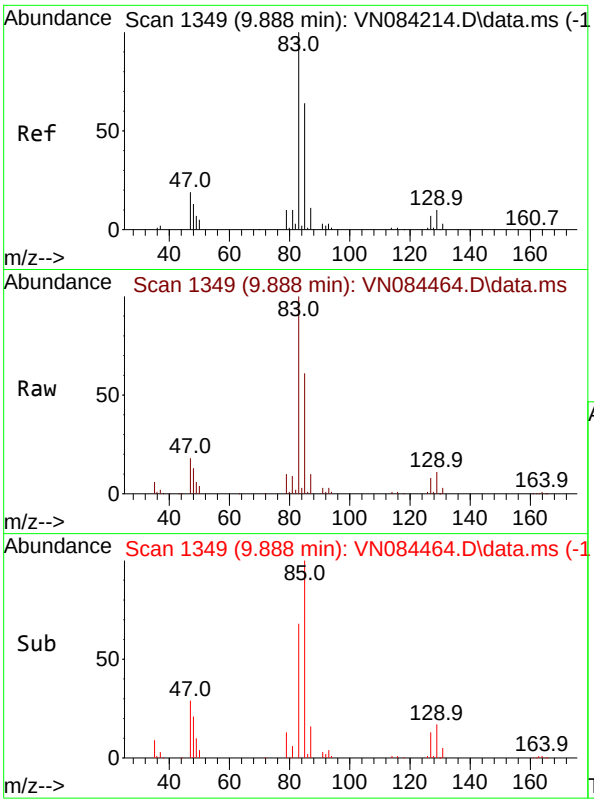


#46
Dibromomethane
Concen: 56.984 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 93 Resp: 76963

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.4
174	92.4	71.8	107.8



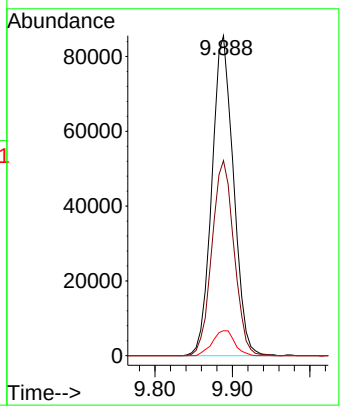


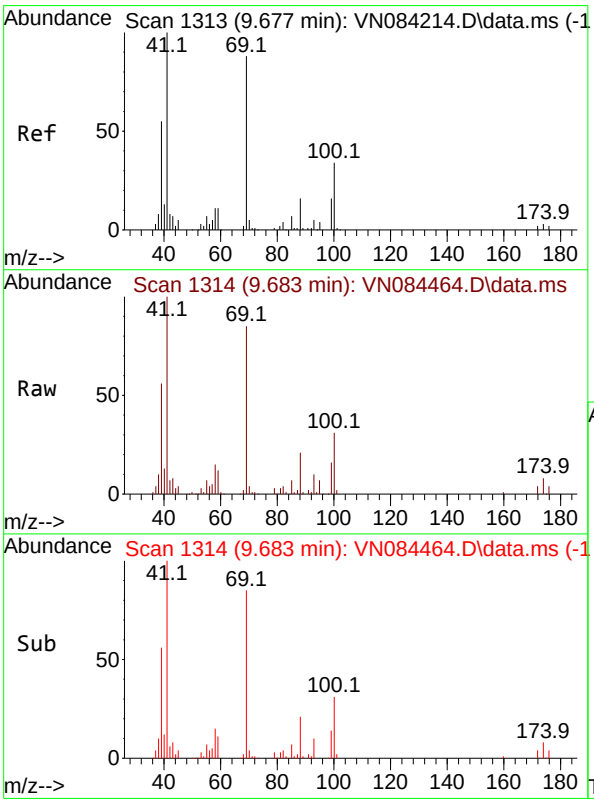
#47
Bromodichloromethane
Concen: 55.217 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 165685

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.5	77.3
127	7.8	5.7	8.5

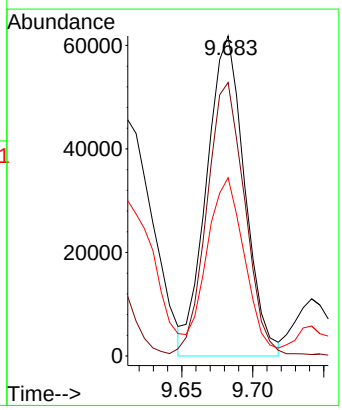


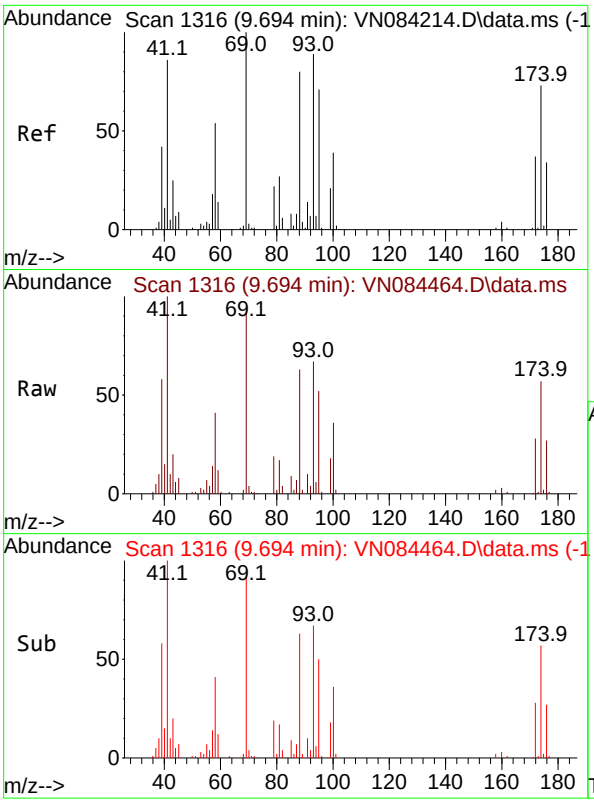


#48
Methyl methacrylate
Concen: 52.966 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 41 Resp: 115046

Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.1	100.7
39	55.3	45.8	68.6



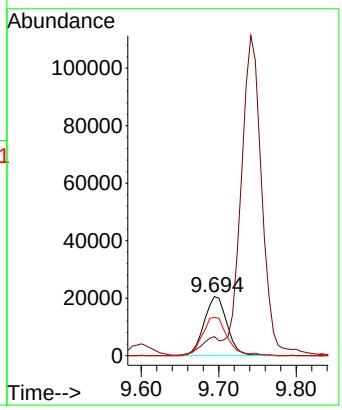


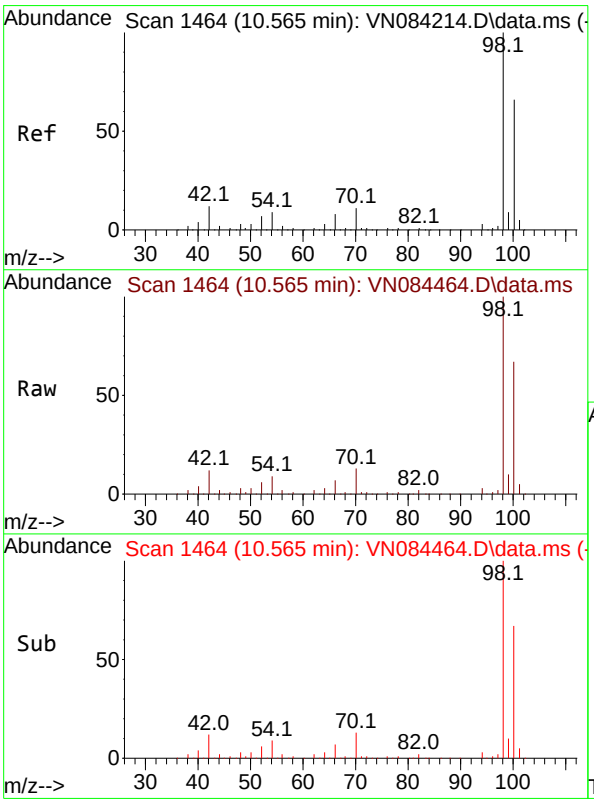
#49
1,4-Dioxane
Concen: 1058.308 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 42320

Ion	Ratio	Lower	Upper
88	100		
43	24.7	25.3	37.9#
58	70.9	56.4	84.6

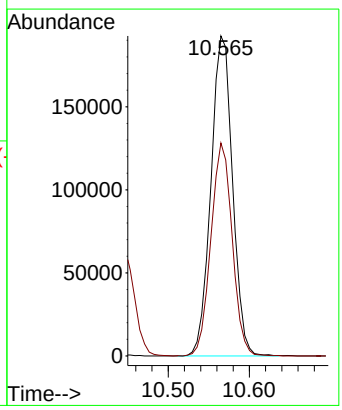


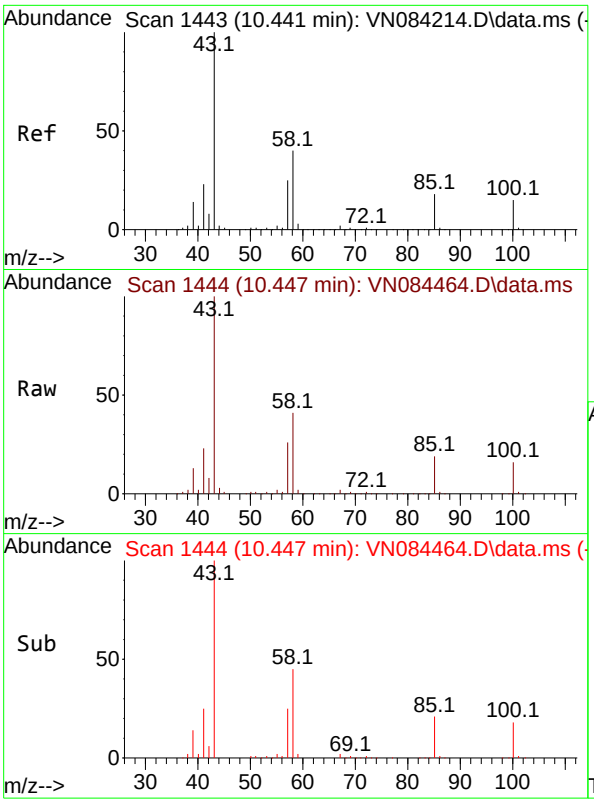


#50
Toluene-d8
Concen: 51.864 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 98 Resp: 356709

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



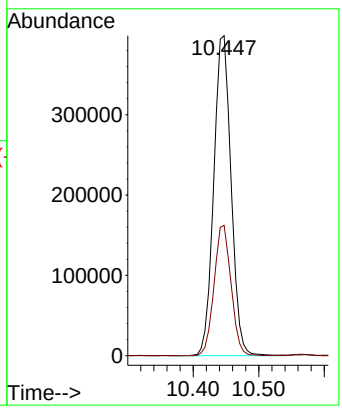


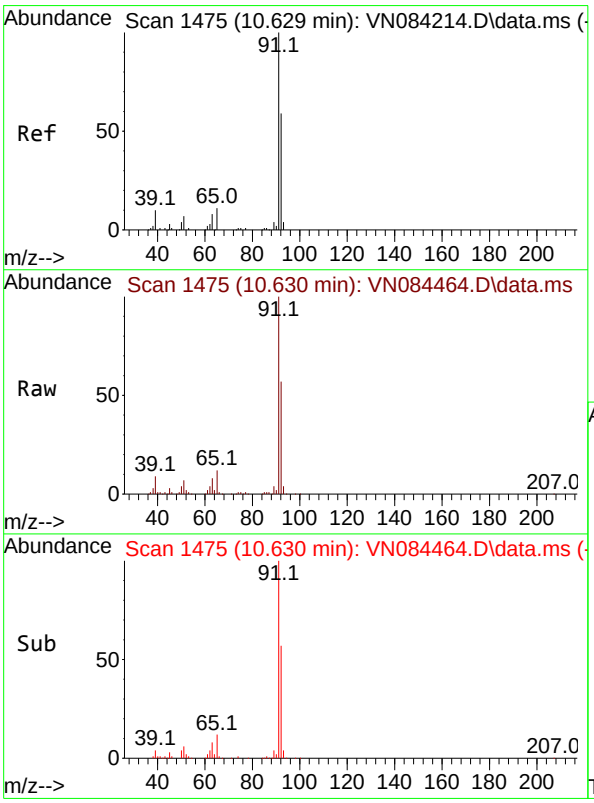
#51
4-Methyl-2-Pentanone
Concen: 275.291 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 730055

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4

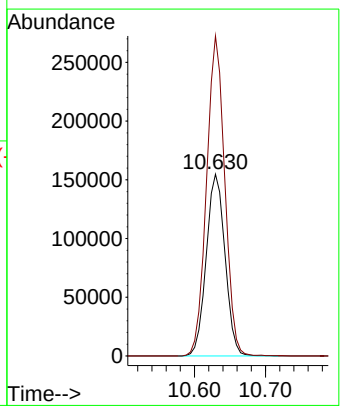


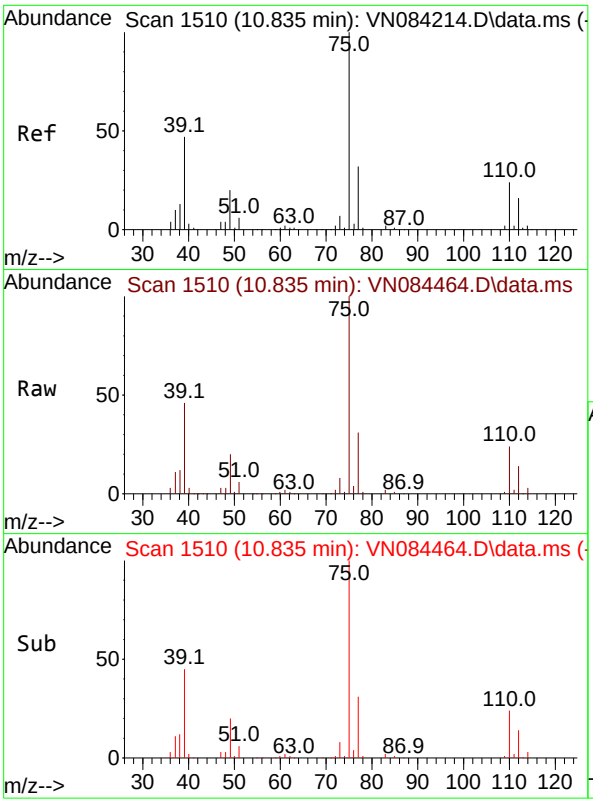


#52
Toluene
Concen: 55.055 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 92 Resp: 284031

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



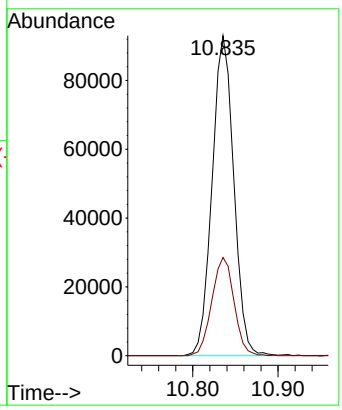


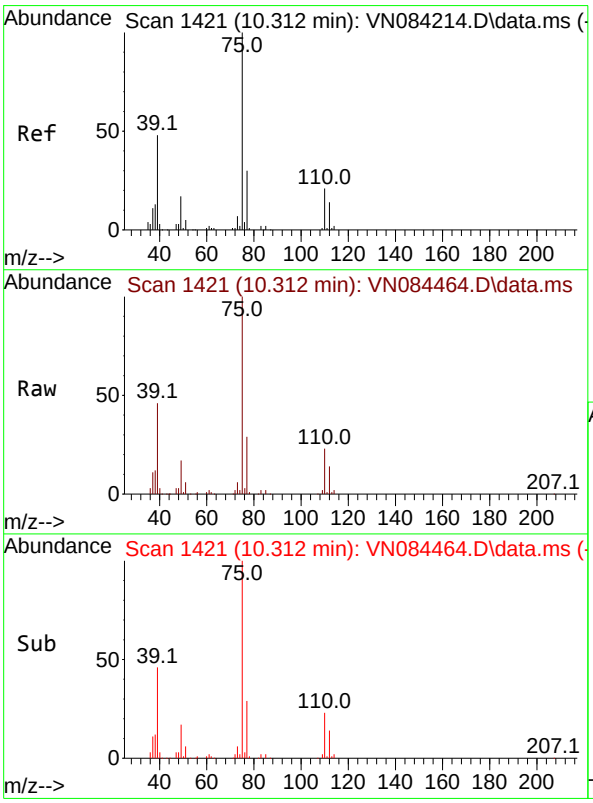
#53
t-1,3-Dichloropropene
Concen: 53.730 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 164344

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0

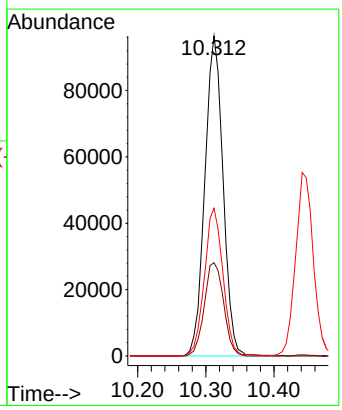


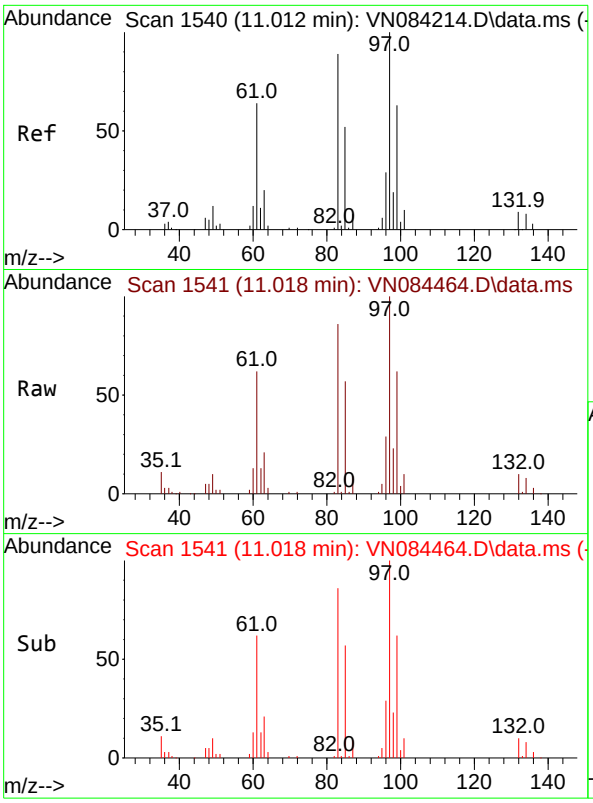


#54
cis-1,3-Dichloropropene
Concen: 54.433 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 179083

Ion	Ratio	Lower	Upper
75	100		
77	29.2	24.2	36.2
39	46.1	38.7	58.1



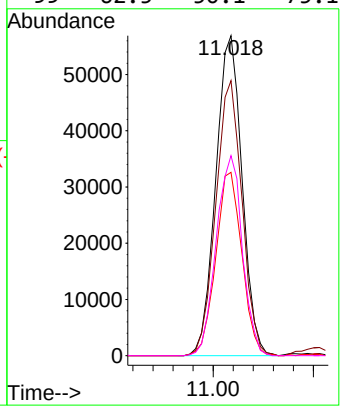


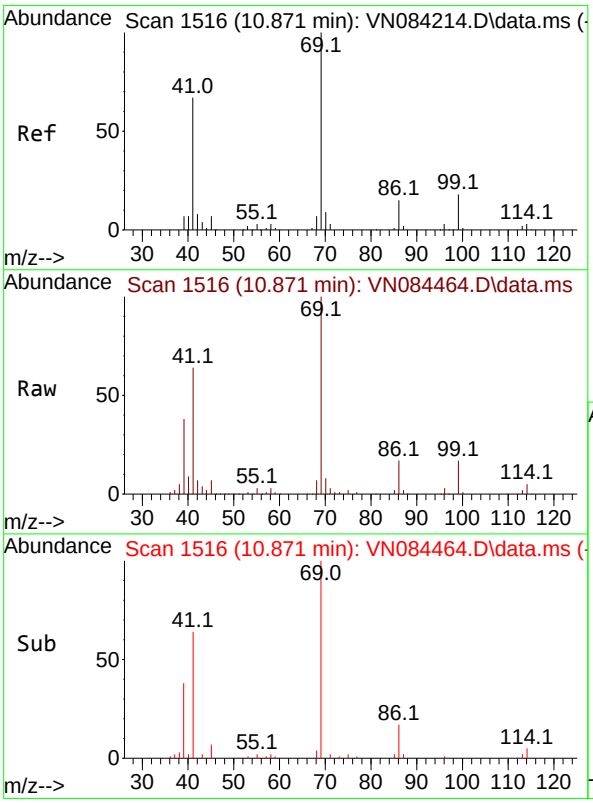
#55
1,1,2-Trichloroethane
Concen: 55.954 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 103486

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	57.3	41.7	62.5
99	62.5	50.1	75.1

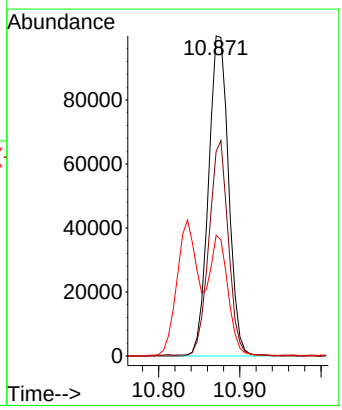


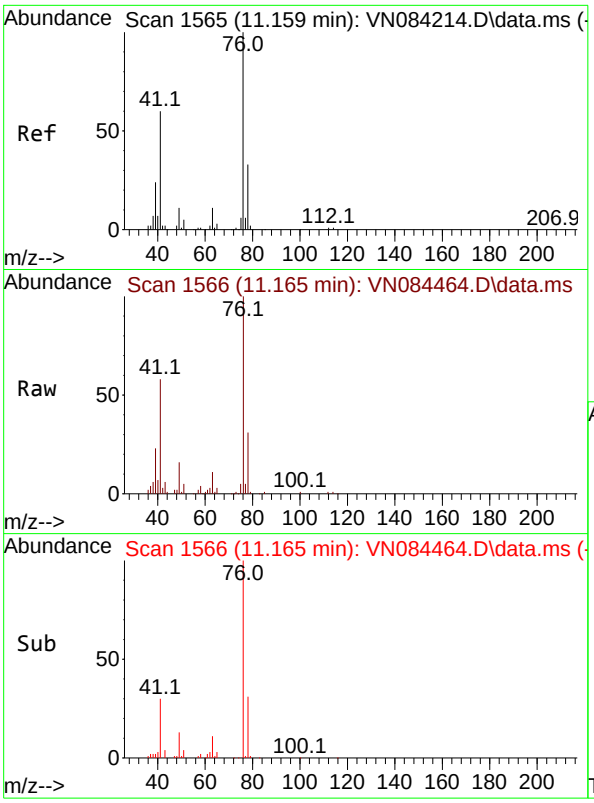


#56
Ethyl methacrylate
Concen: 56.428 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 69 Resp: 171724

Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.3	79.9
39	36.3	28.8	43.2



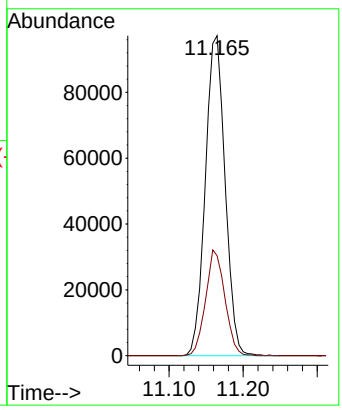


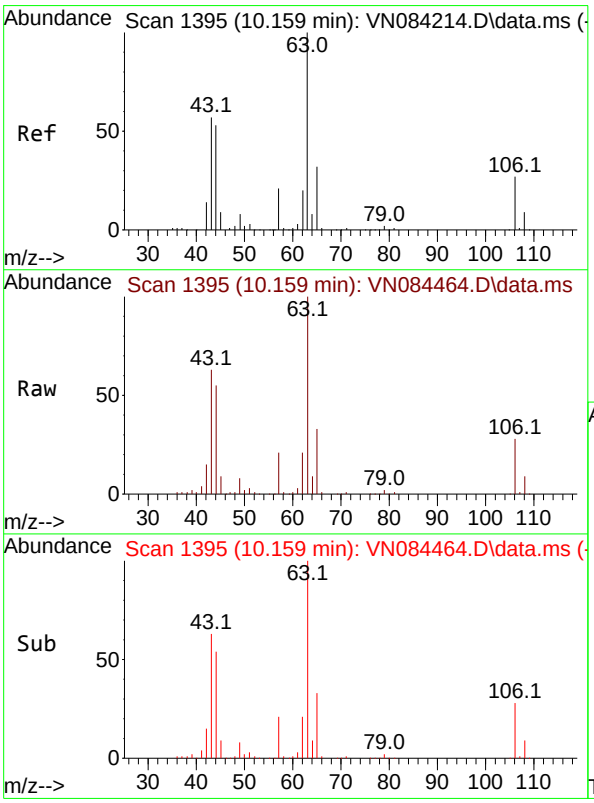
#57
1,3-Dichloropropane
Concen: 54.404 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 179794

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

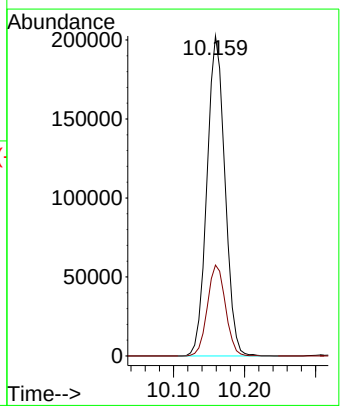


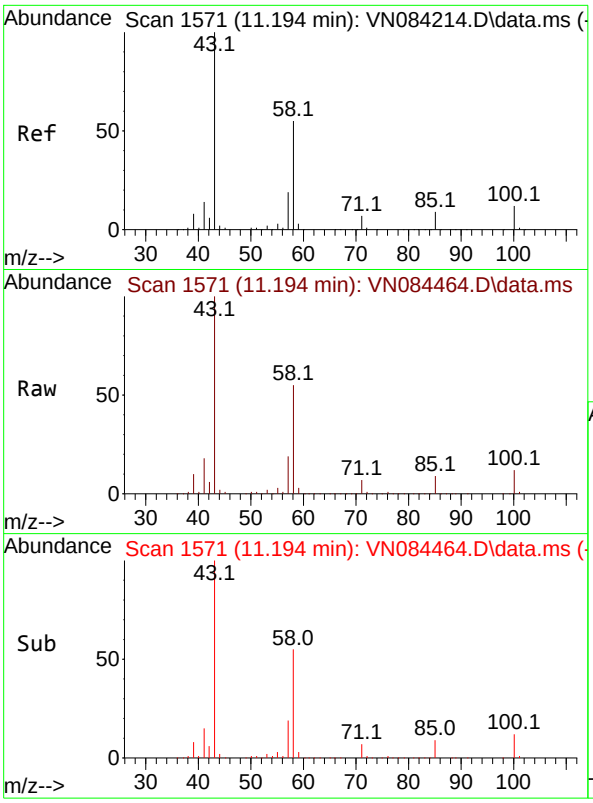


#58
2-Chloroethyl Vinyl ether
Concen: 252.296 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 63 Resp: 356176

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.6



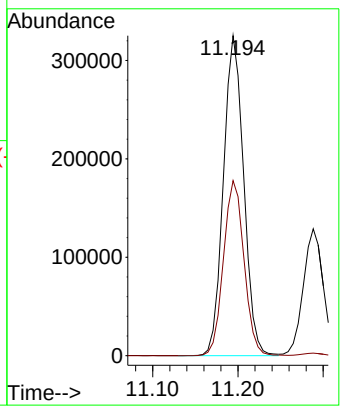


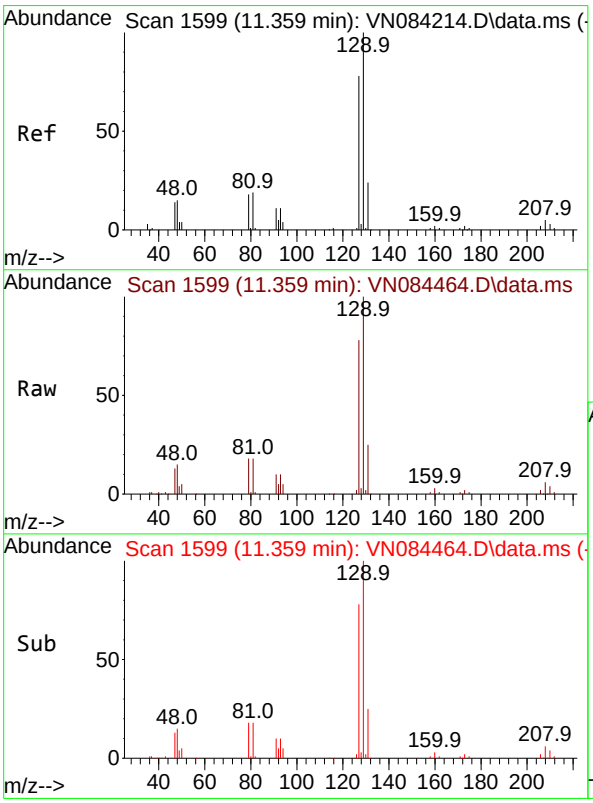
#59
2-Hexanone
Concen: 271.707 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 538548

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.3	81.8

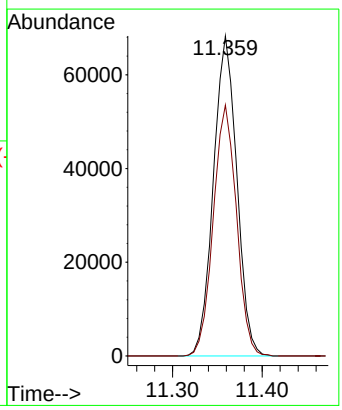


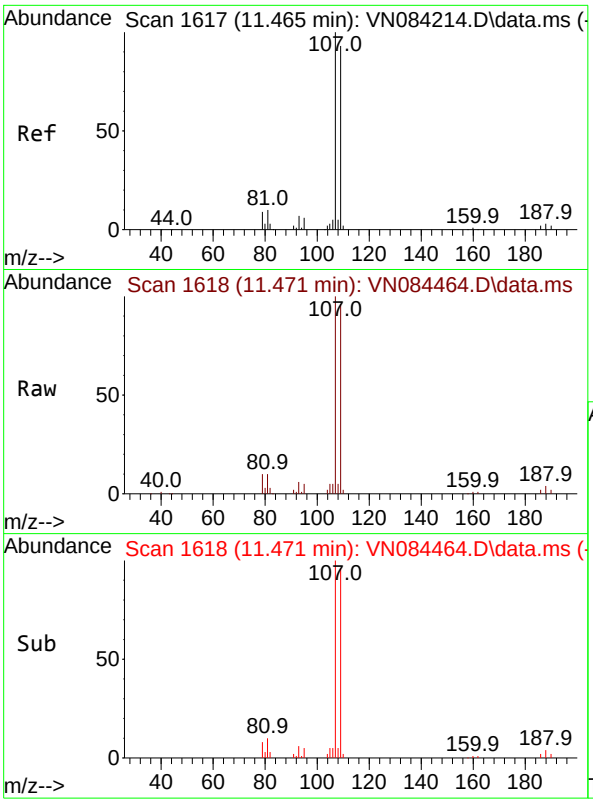


#60
Dibromochloromethane
Concen: 56.595 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:129 Resp: 123673

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9



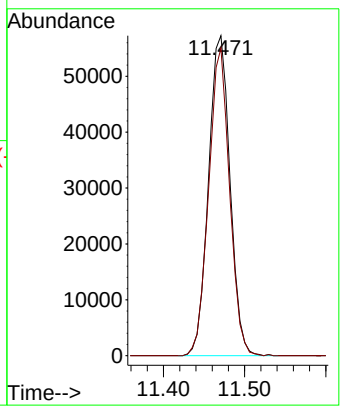


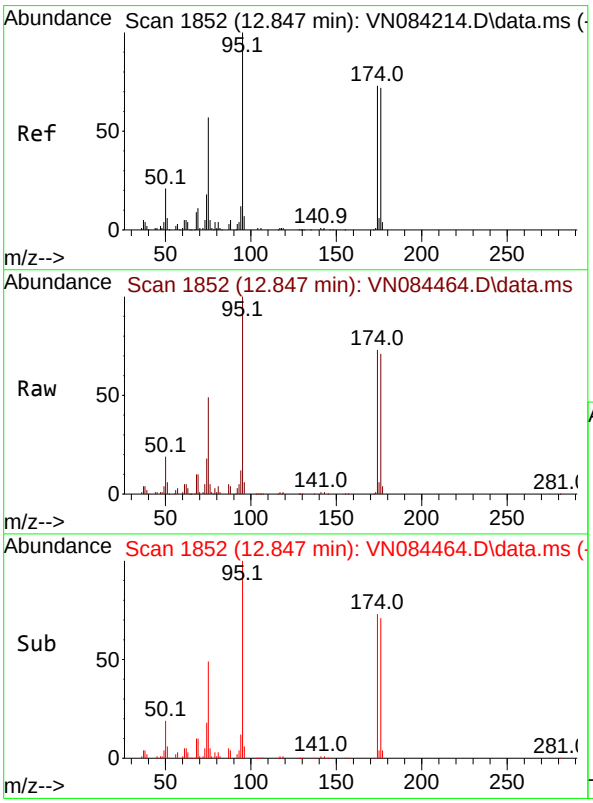
#61
1,2-Dibromoethane
Concen: 54.782 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 105278

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0

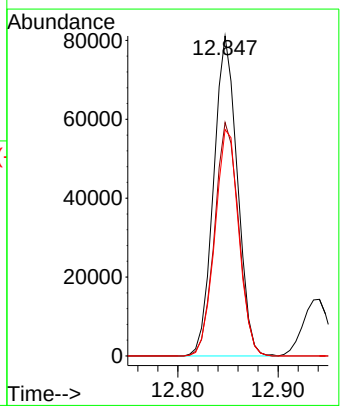


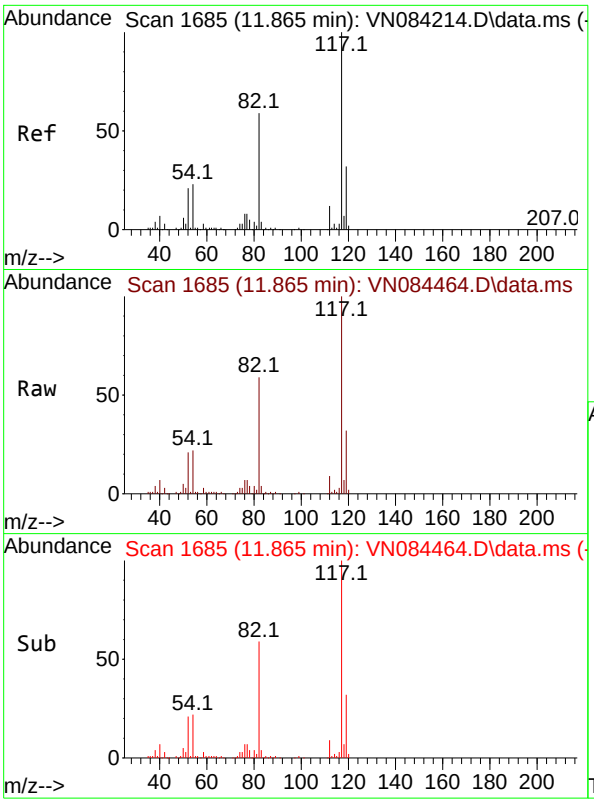


#62
4-Bromofluorobenzene
Concen: 53.166 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 95 Resp: 133216

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	71.6	0.0	140.0



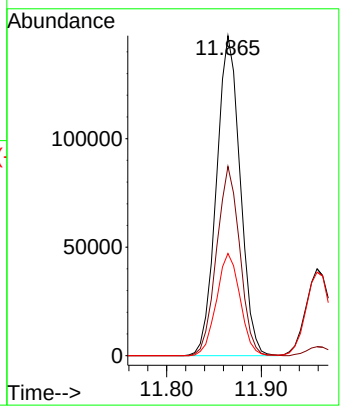


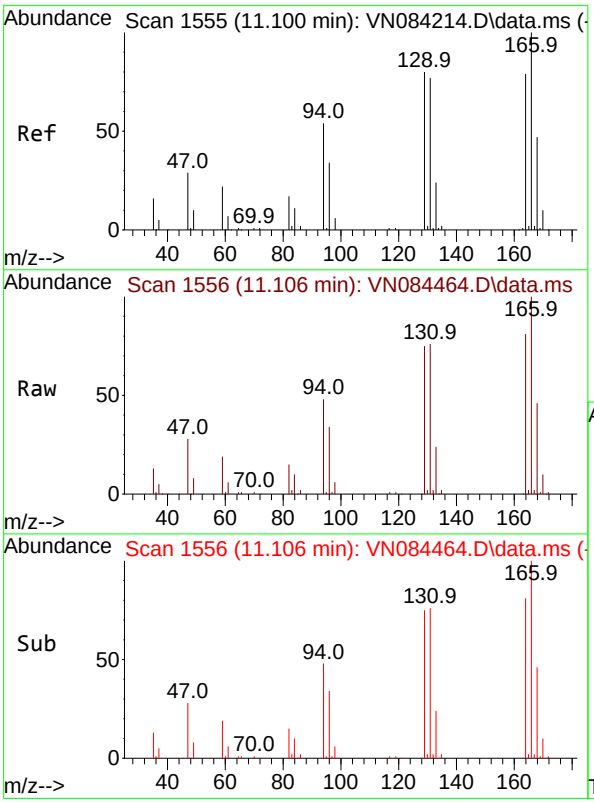
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 256751

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.2	70.8
119	32.0	25.4	38.0

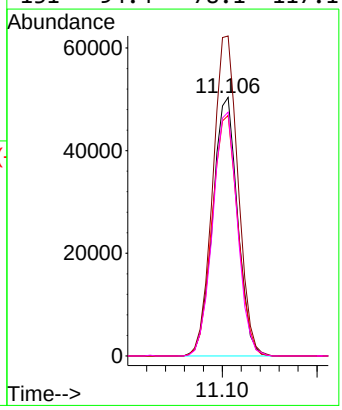


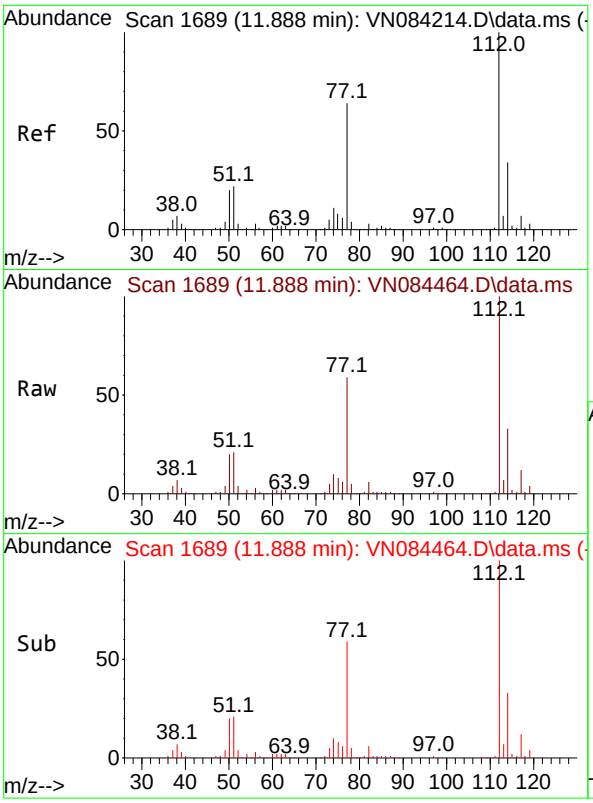


#64
Tetrachloroethene
Concen: 51.295 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:164 Resp: 91732

Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.0	151.4
129	93.0	80.8	121.2
131	94.4	78.1	117.1



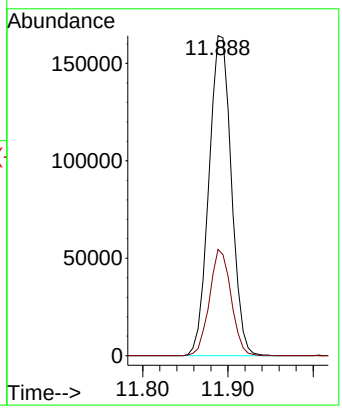


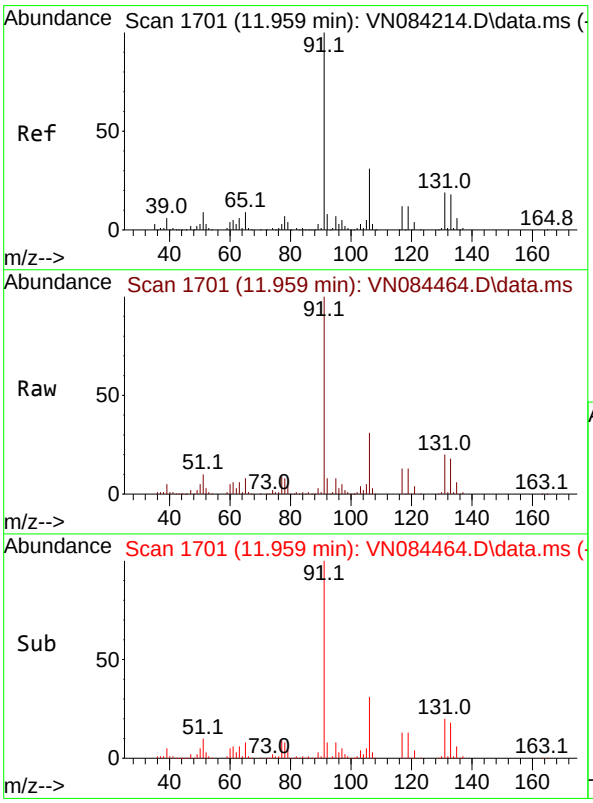
#65
Chlorobenzene
Concen: 52.686 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 299927

Ion	Ratio	Lower	Upper
112	100		
114	33.2	27.0	40.6

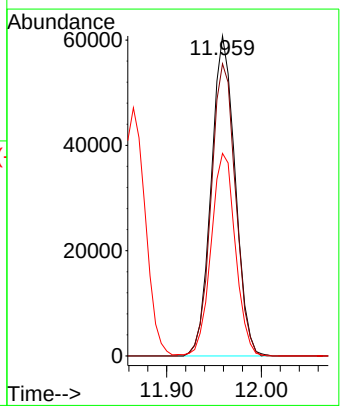


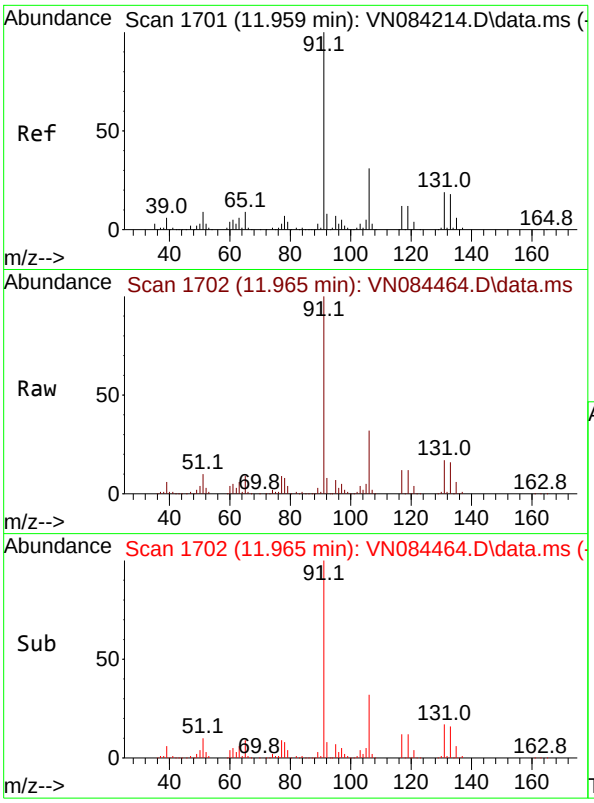


#66
1,1,1,2-Tetrachloroethane
Concen: 54.273 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:131 Resp: 106419

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.9	143.7
119	64.2	32.8	98.3



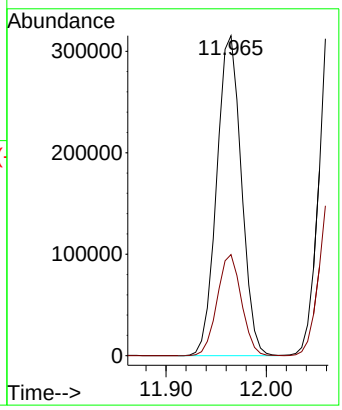


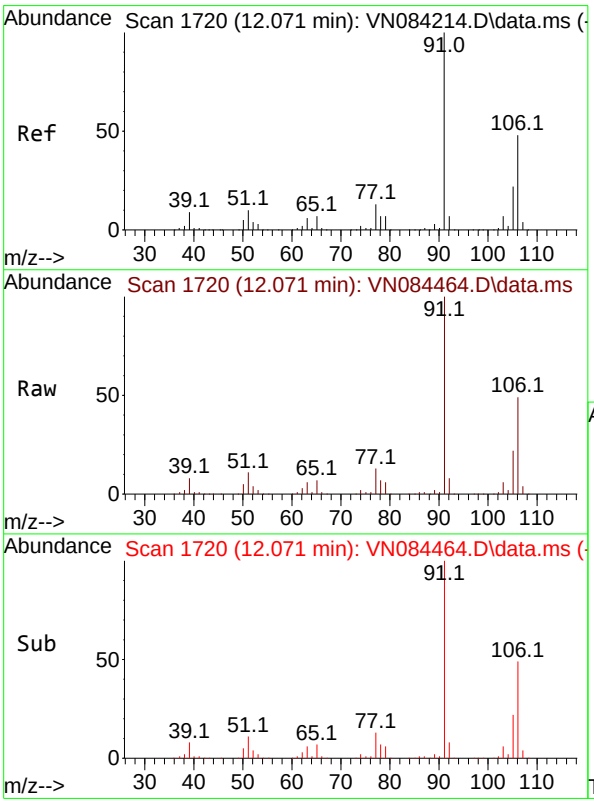
#67
Ethyl Benzene
Concen: 53.458 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 538187

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.5	36.7

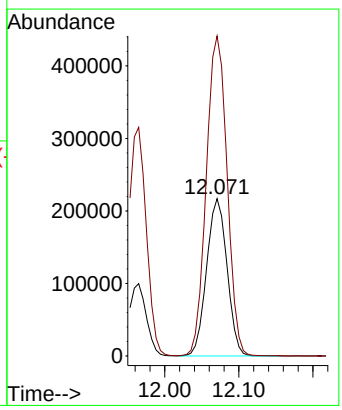


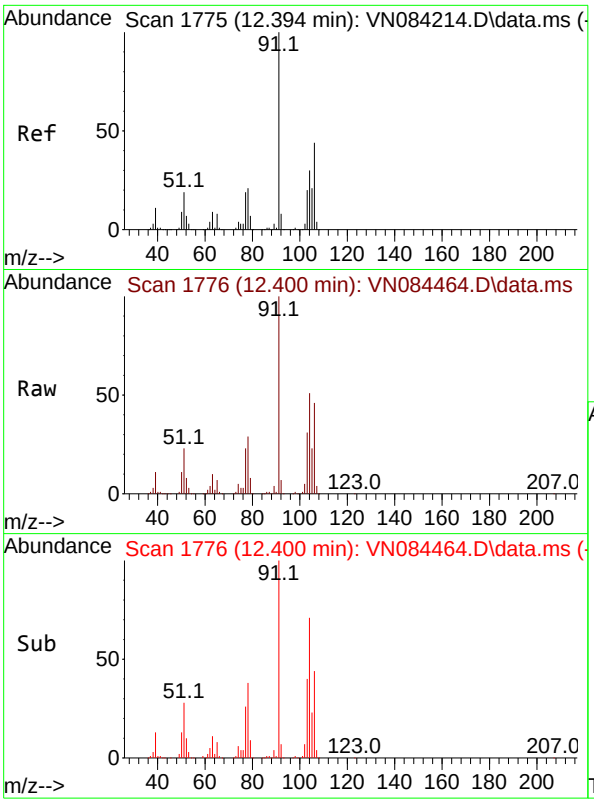


#68
m/p-Xylenes
Concen: 111.613 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:106 Resp: 415651

Ion	Ratio	Lower	Upper
106	100		
91	207.1	167.1	250.7



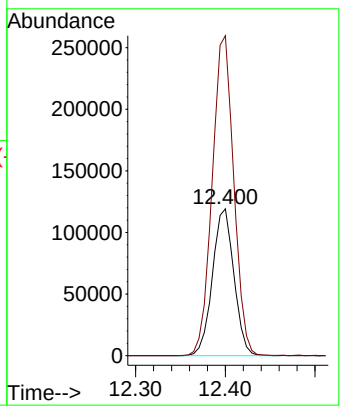


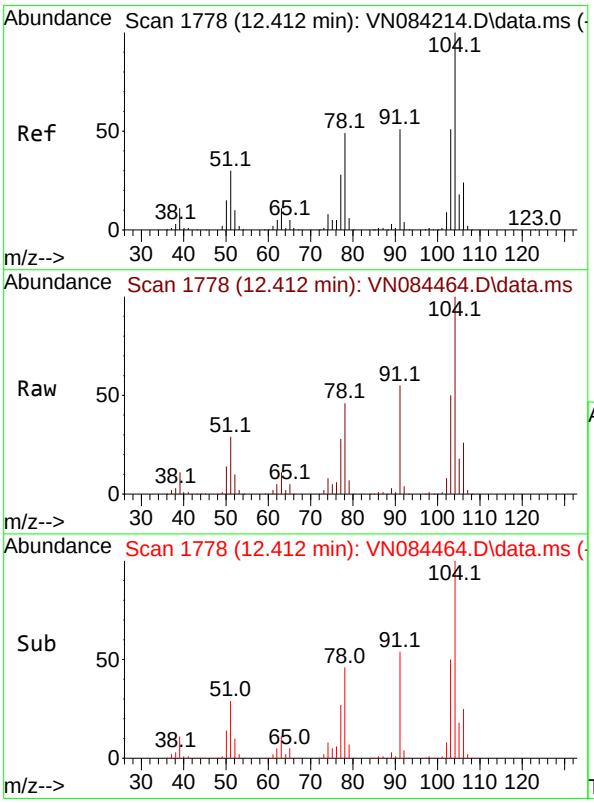
#69
o-Xylene
Concen: 56.237 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 198143

Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6

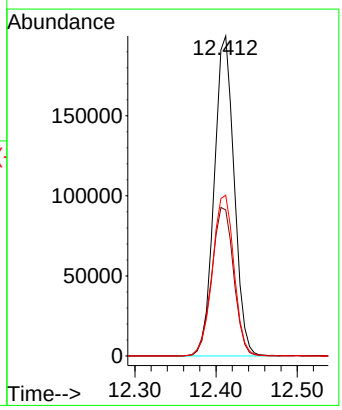


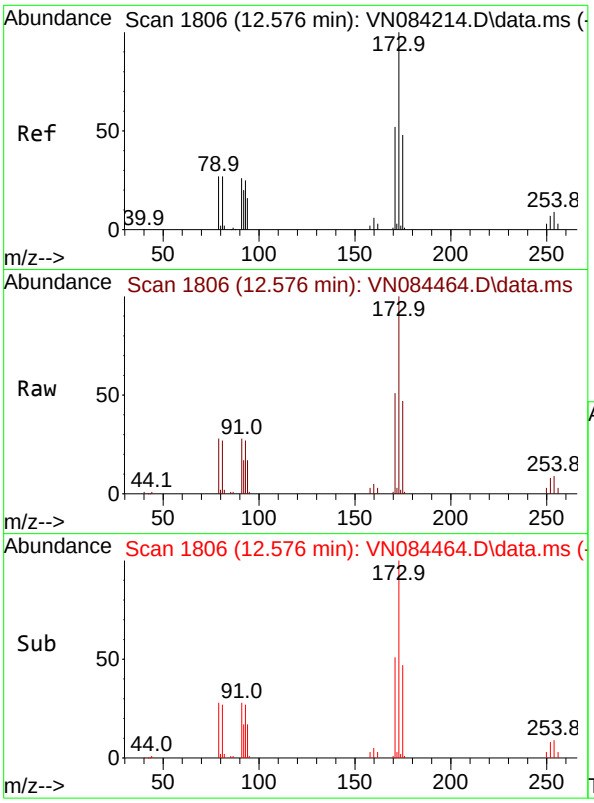


#70
Styrene
Concen: 57.255 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:104 Resp: 341693

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.7	64.1
103	54.3	43.6	65.4



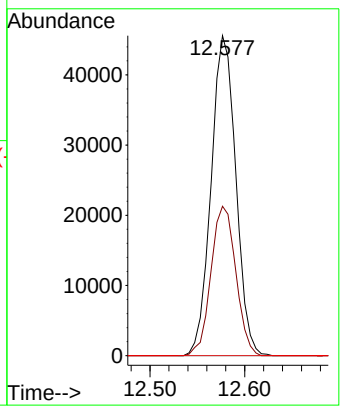


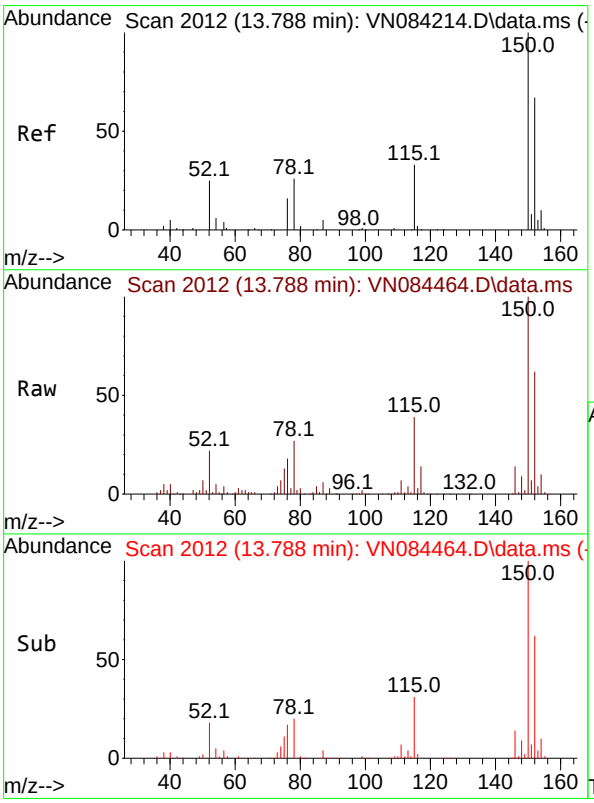
#71
Bromoform
Concen: 57.382 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 82837

Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.5	70.6
254	0.0	0.0	0.0

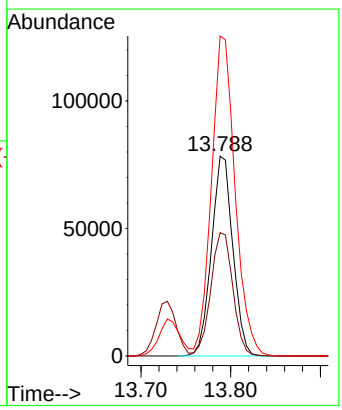


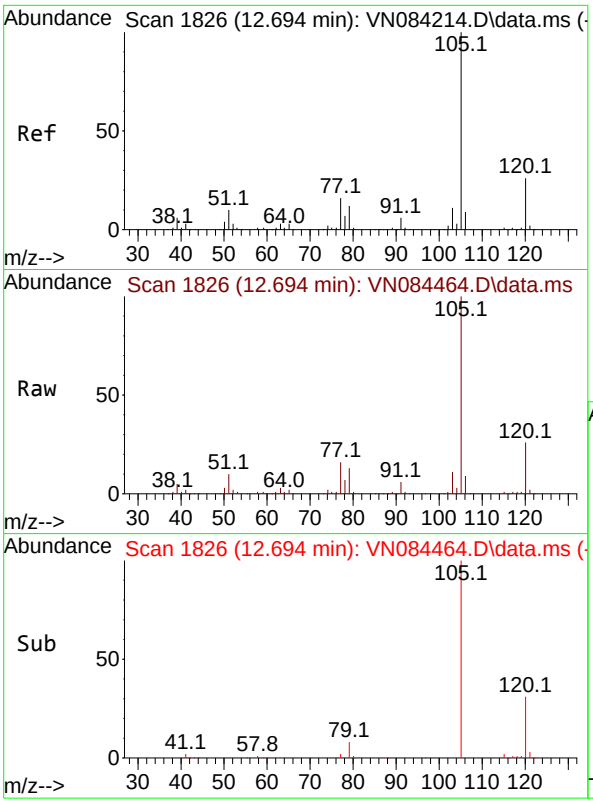


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:152 Resp: 129764

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	176.6	0.0	349.8



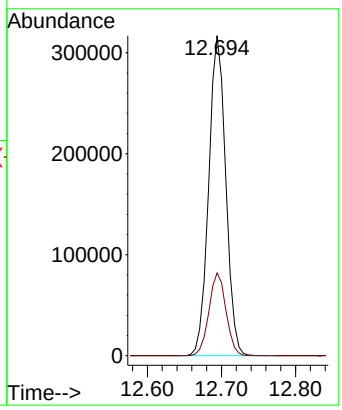


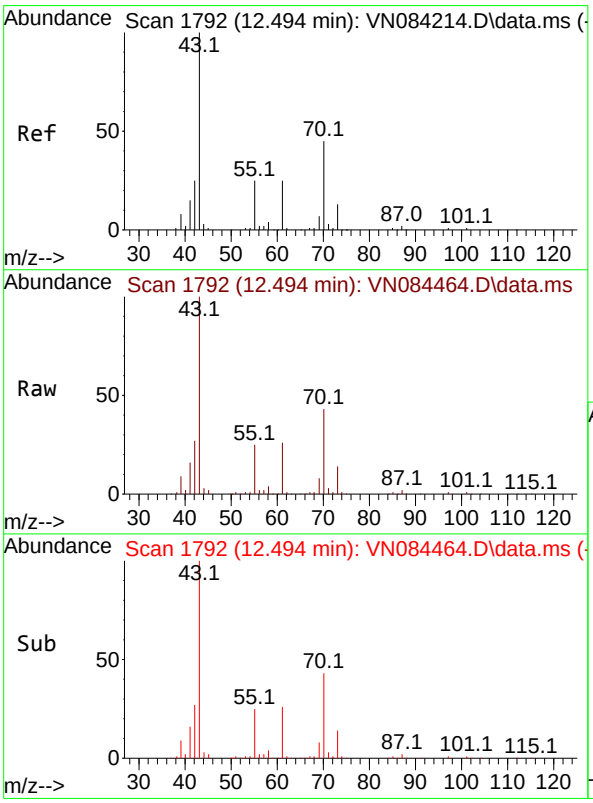
#73
Isopropylbenzene
Concen: 51.046 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 505467

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

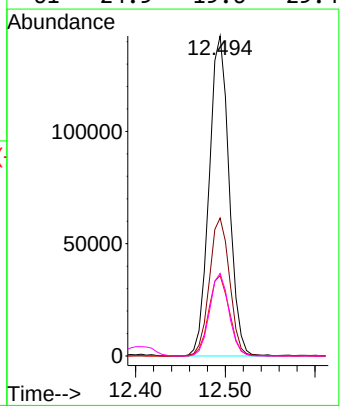


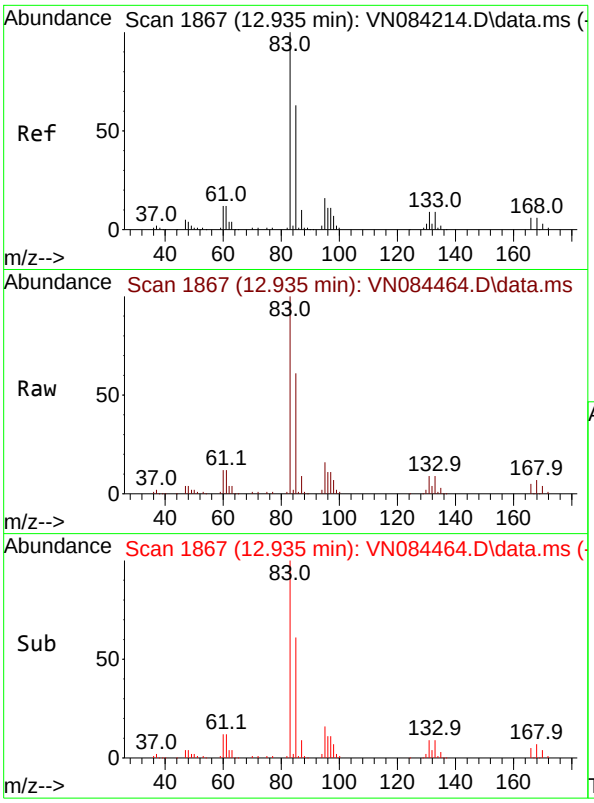


#74
N-amyl acetate
Concen: 49.173 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 43 Resp: 220493

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.8	19.6	29.4
61	24.9	19.6	29.4



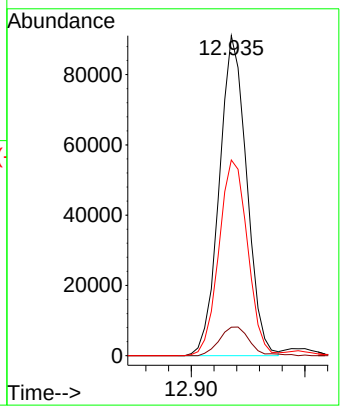


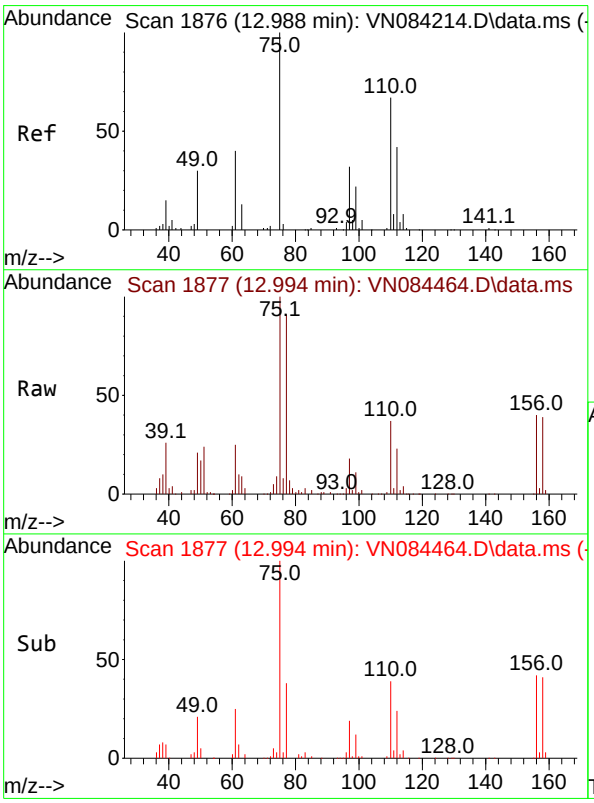
#75
1,1,2,2-Tetrachloroethane
Concen: 51.213 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 152487

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.0	31.9	95.7

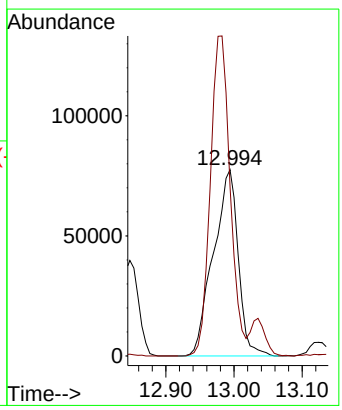


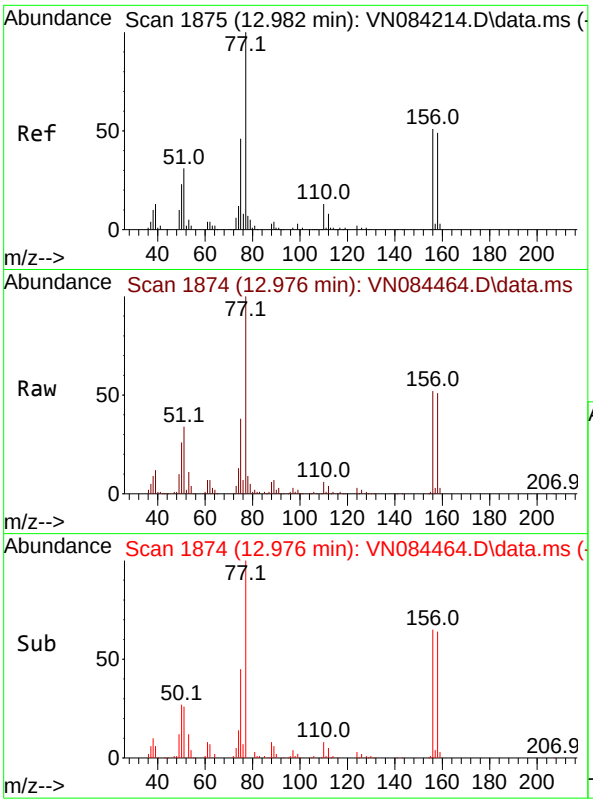


#76
1,2,3-Trichloropropane
Concen: 74.075 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 196236

Ion	Ratio	Lower	Upper
75	100		
77	137.3	96.9	290.7



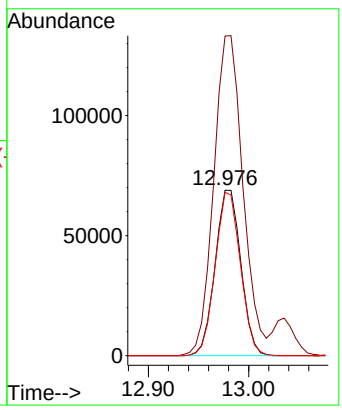


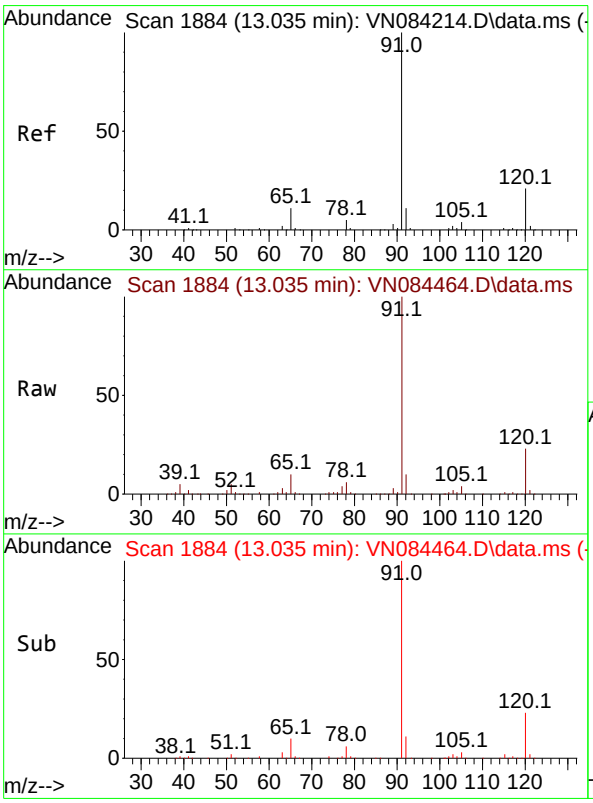
#77
Bromobenzene
Concen: 51.291 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 122511

Ion	Ratio	Lower	Upper
156	100		
77	219.9	115.1	345.3
158	97.0	48.9	146.8

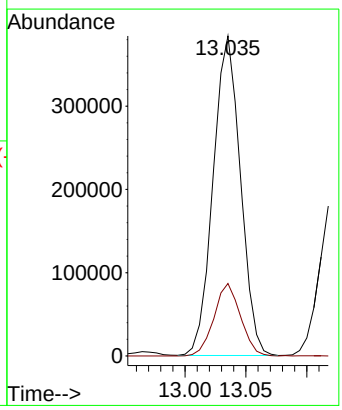


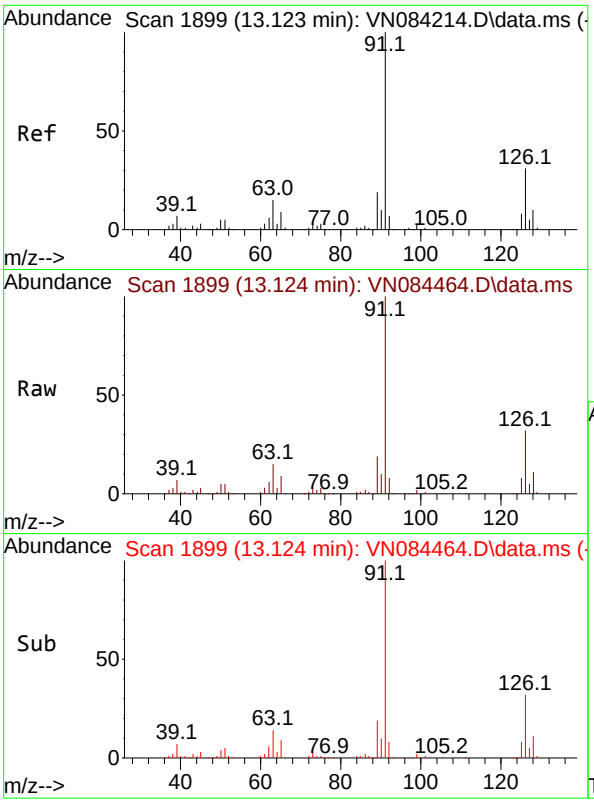


#78
n-propylbenzene
Concen: 52.243 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 91 Resp: 599366

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



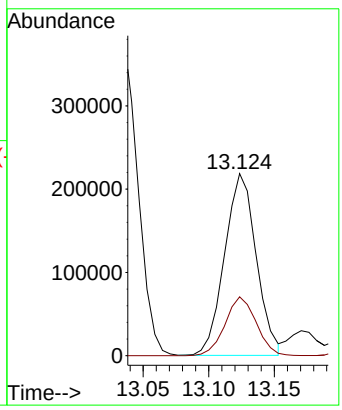


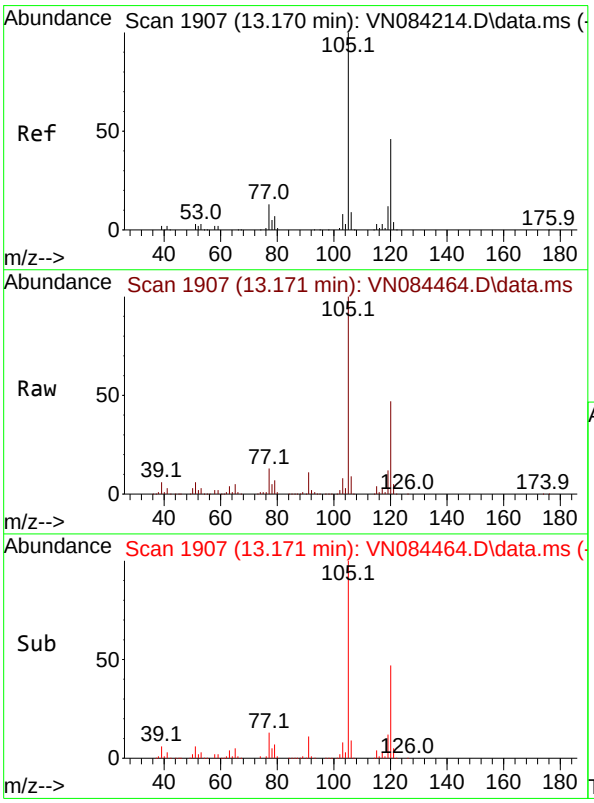
#79
2-Chlorotoluene
Concen: 50.163 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 367237

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

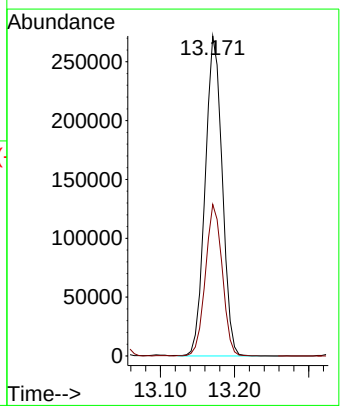


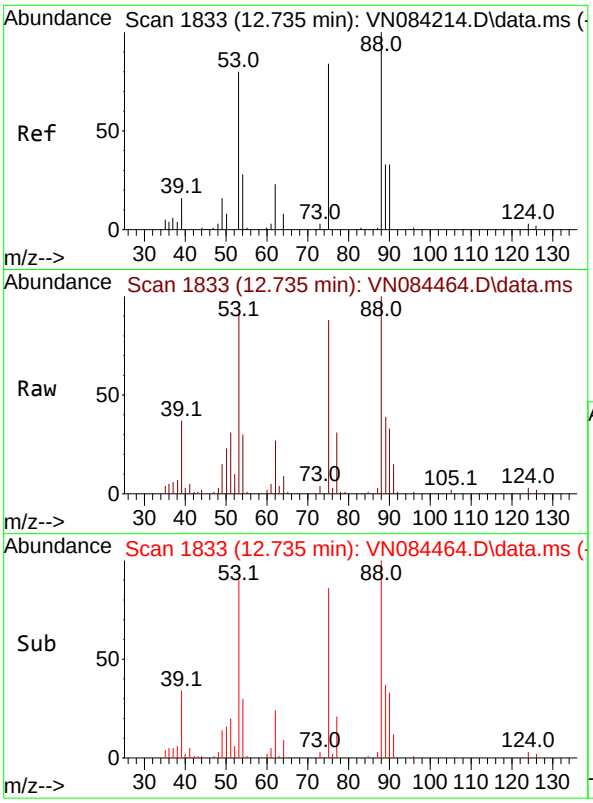


#80
1,3,5-Trimethylbenzene
Concen: 53.702 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:105 Resp: 433774

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.7	71.1



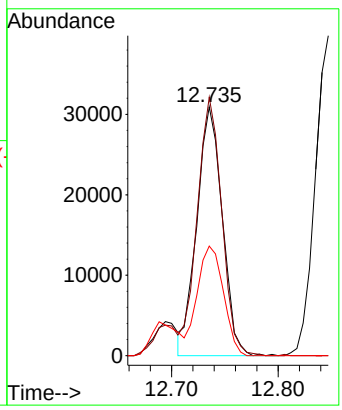


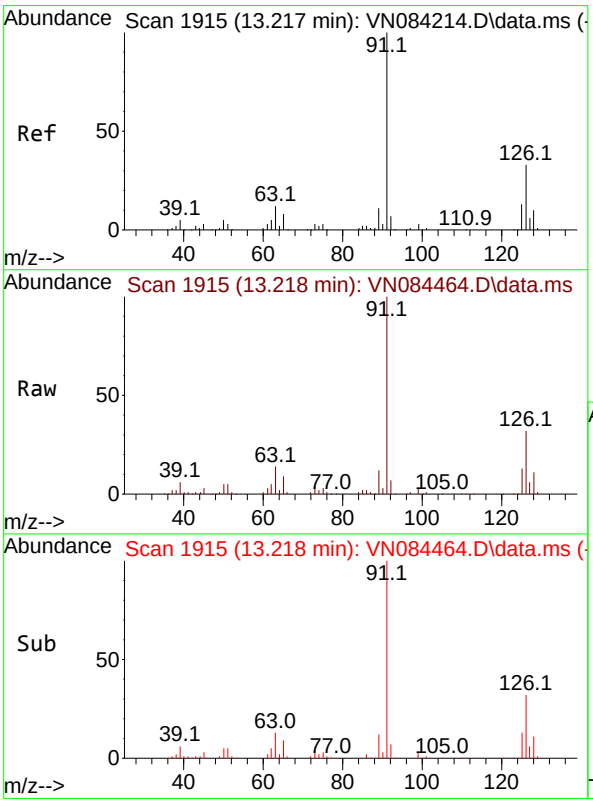
#81
trans-1,4-Dichloro-2-butene
Concen: 46.491 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 51372

Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.0	117.0
89	45.1	35.5	53.3

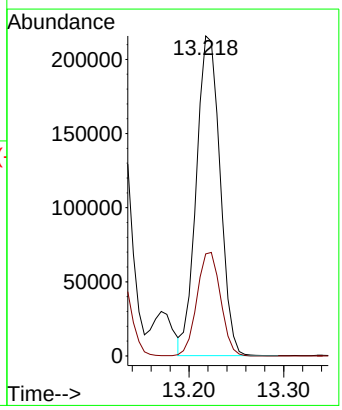


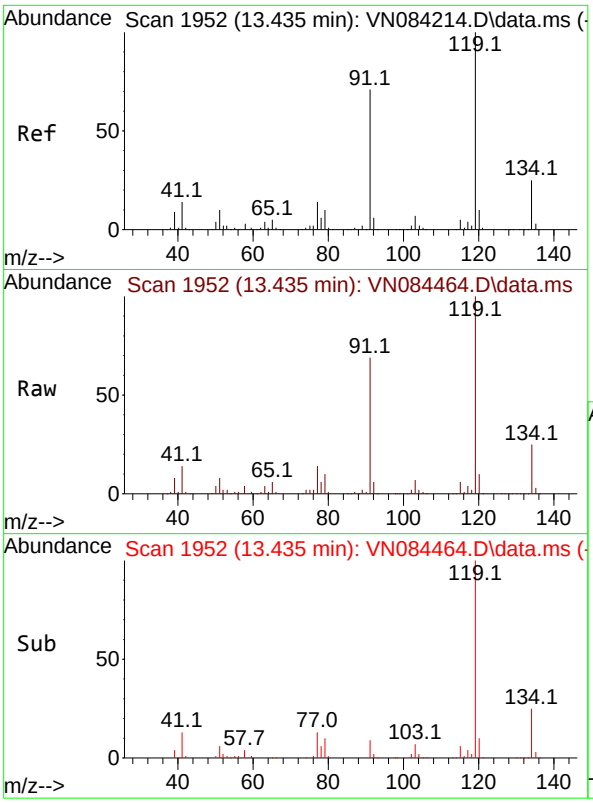


#82
4-Chlorotoluene
Concen: 50.863 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 91 Resp: 374840

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



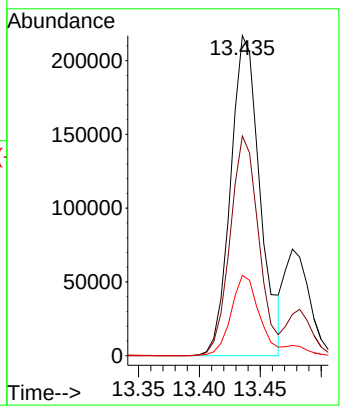


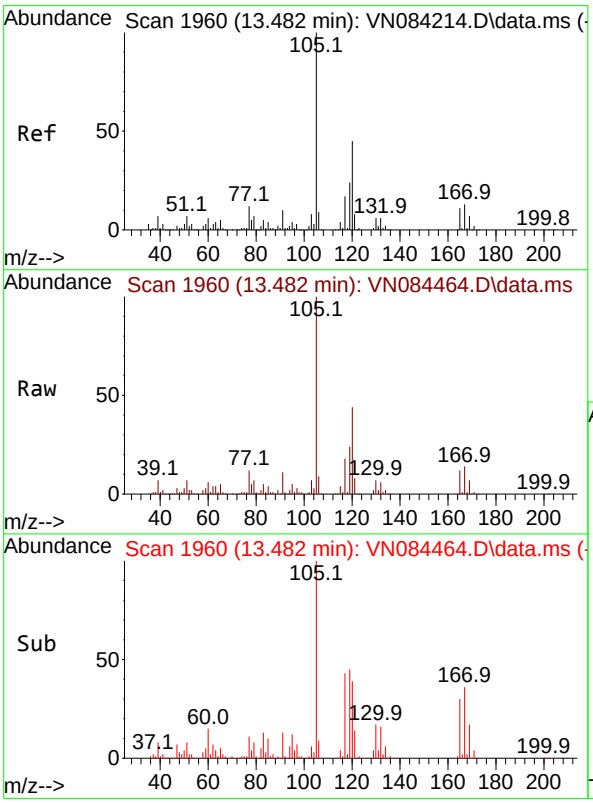
#83
tert-Butylbenzene
Concen: 50.918 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 365550

Ion	Ratio	Lower	Upper
119	100		
91	66.6	34.1	102.3
134	26.4	12.8	38.4

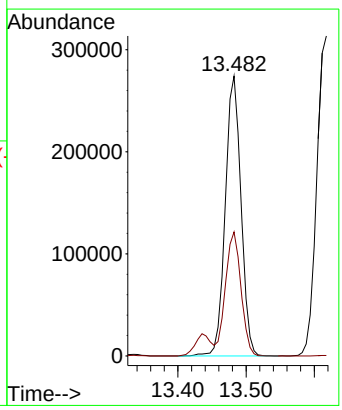


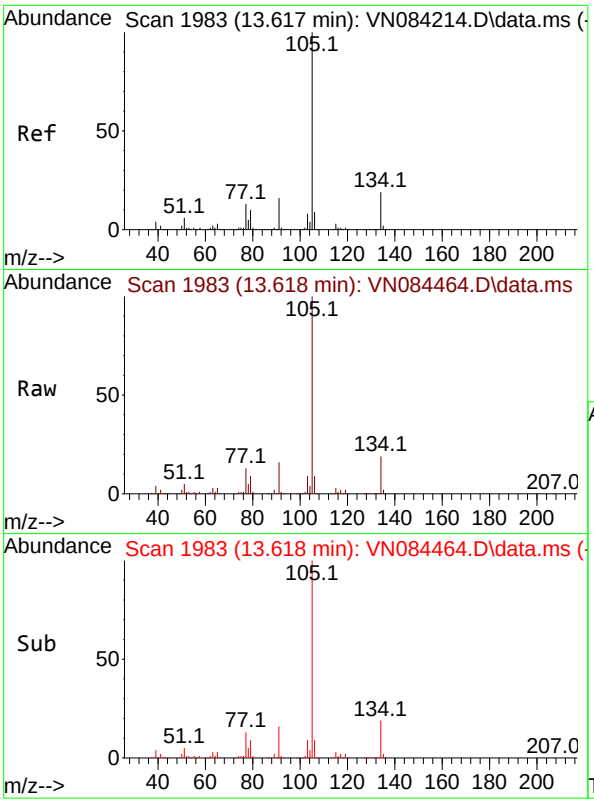


#84
1,2,4-Trimethylbenzene
Concen: 54.070 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:105 Resp: 439968

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8



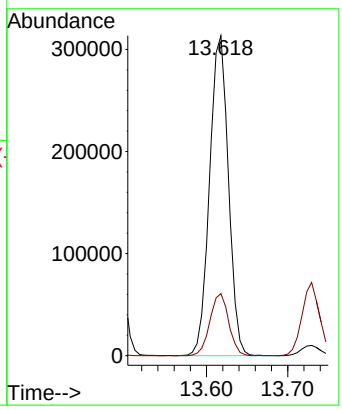


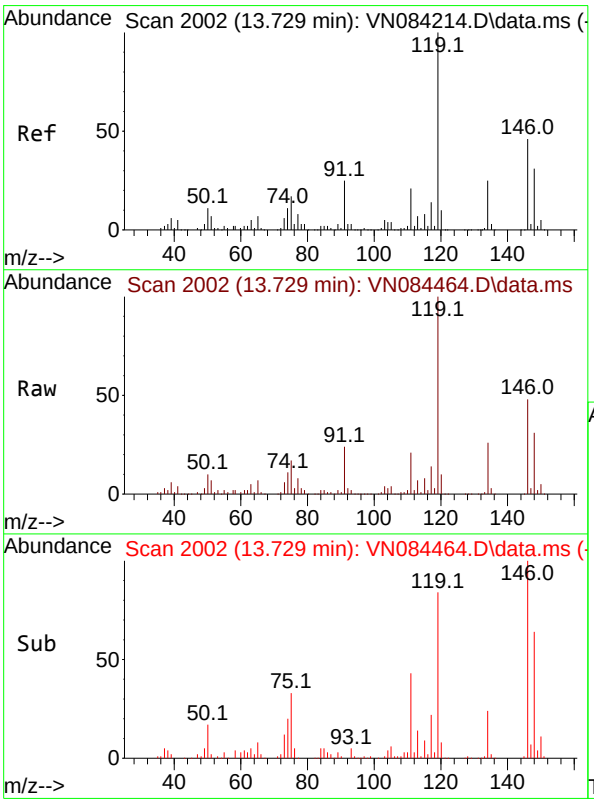
#85
sec-Butylbenzene
Concen: 52.640 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 504290

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

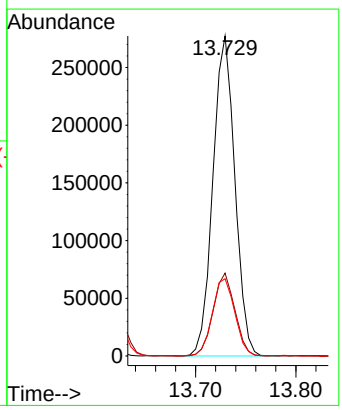


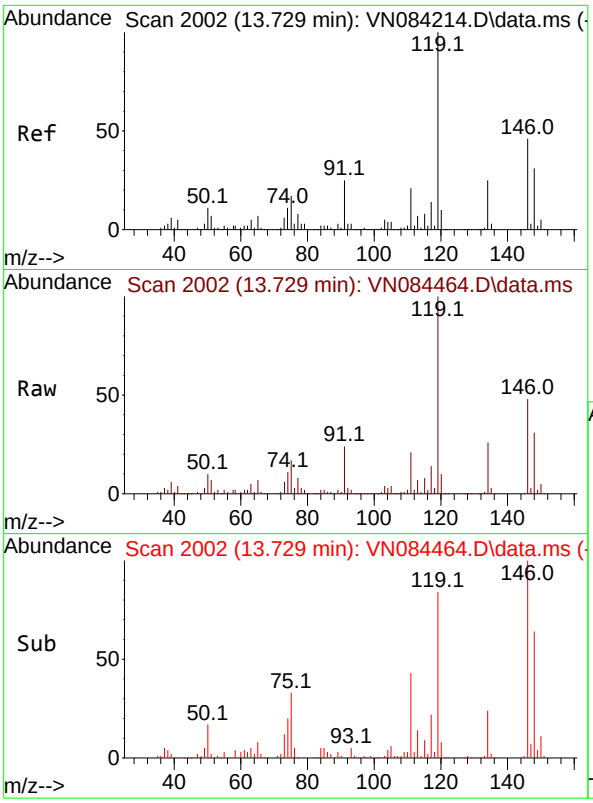


#86
p-Isopropyltoluene
Concen: 53.246 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:119 Resp: 421808

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	24.8	12.4	37.2



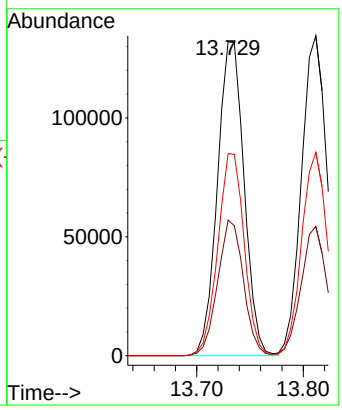


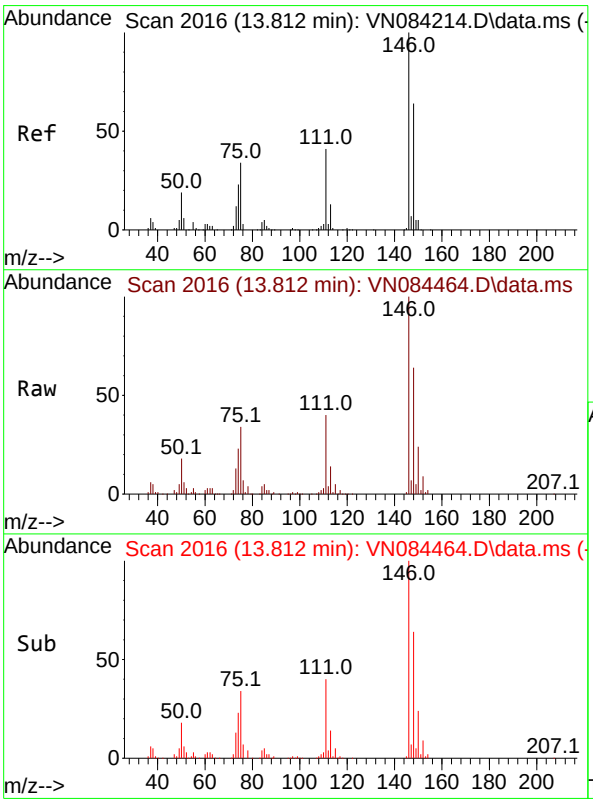
#87
1,3-Dichlorobenzene
Concen: 51.222 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 229520

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.3
148	63.7	31.9	95.7

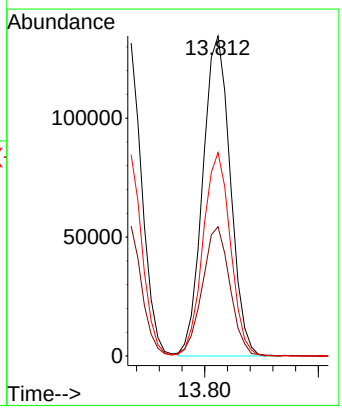


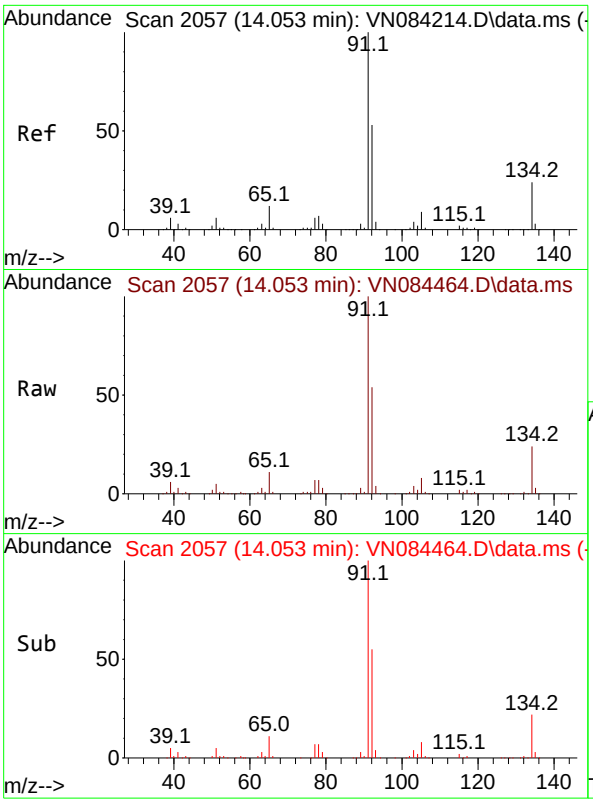


#88
1,4-Dichlorobenzene
Concen: 50.147 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:146 Resp: 226918

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.2	63.6
148	63.2	31.9	95.9



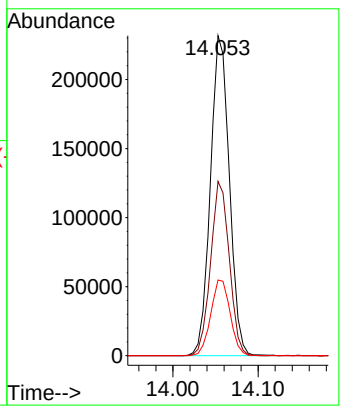


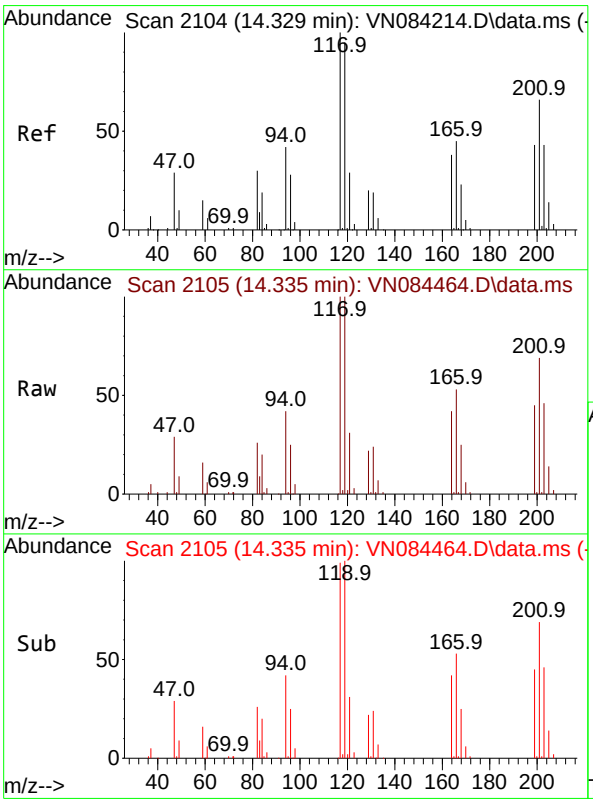
#89
n-Butylbenzene
Concen: 49.759 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 357432

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	24.2	12.3	36.9

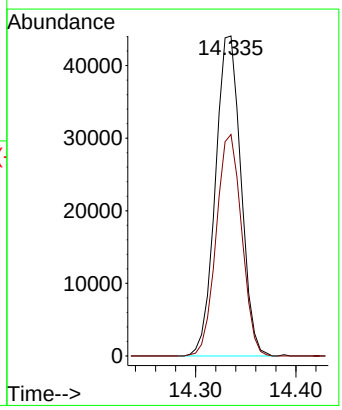


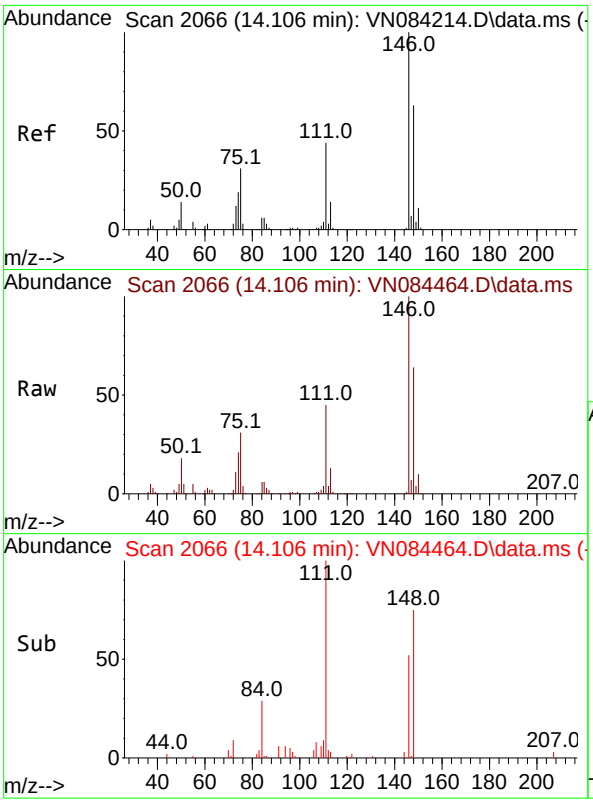


#90
Hexachloroethane
Concen: 48.312 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:117 Resp: 77686

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2



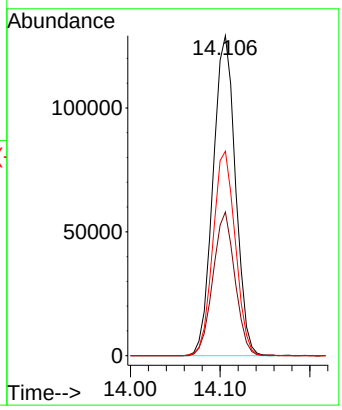


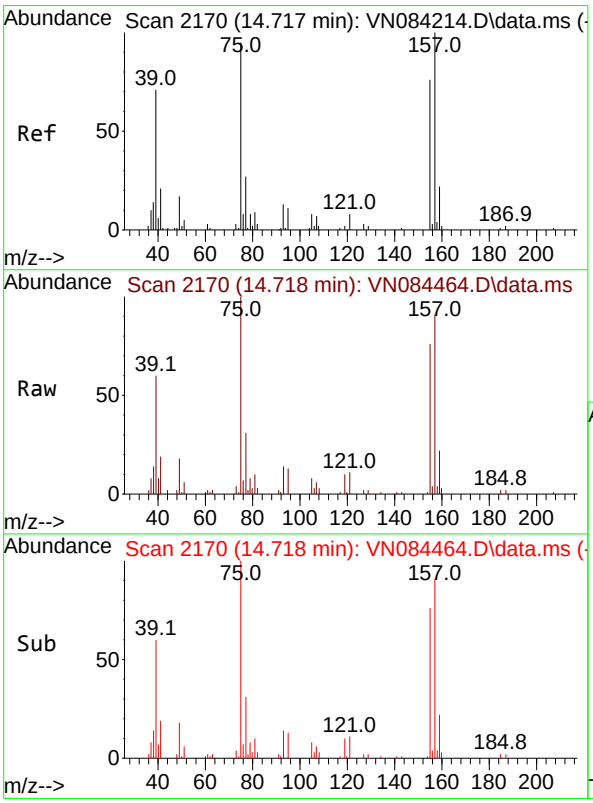
#91
1,2-Dichlorobenzene
Concen: 50.906 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 223667

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	63.8	32.1	96.3

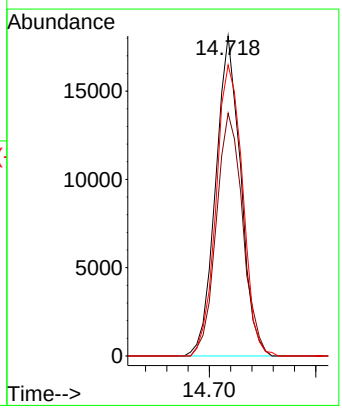


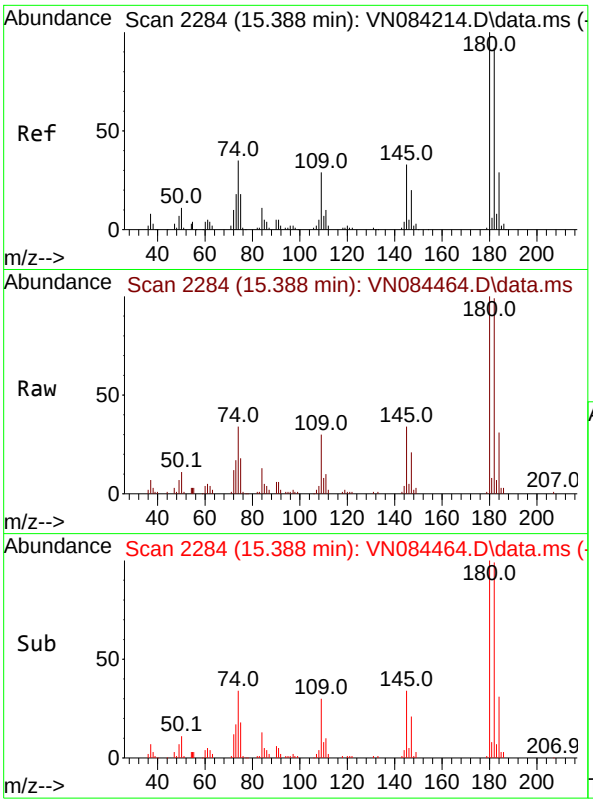


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.080 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion: 75 Resp: 29542

Ion	Ratio	Lower	Upper
75	100		
155	80.1	38.1	114.5
157	96.2	49.6	149.0



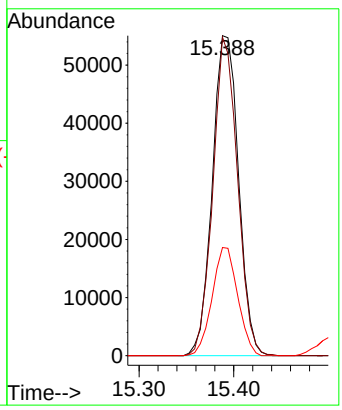


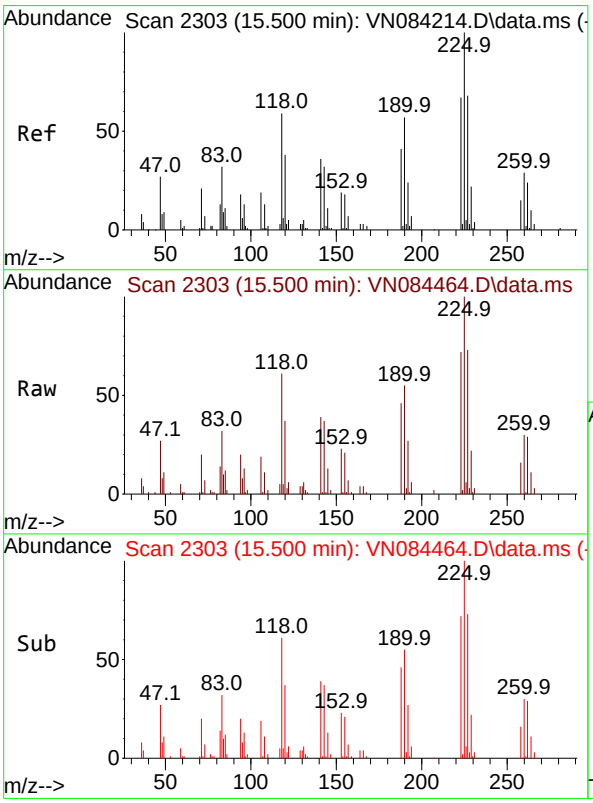
#93
1,2,4-Trichlorobenzene
Concen: 48.951 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 105936

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.0	16.4	49.4

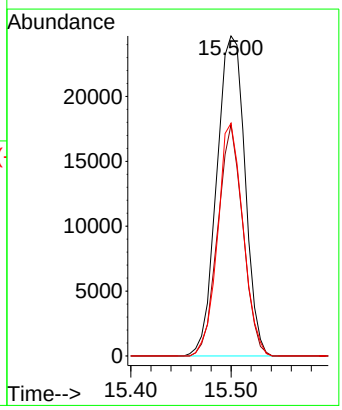


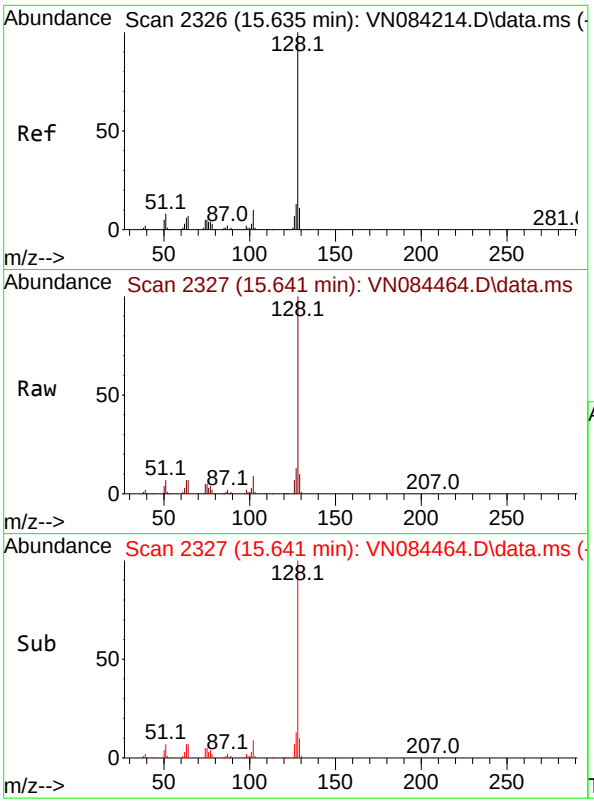


#94
Hexachlorobutadiene
Concen: 44.635 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:225 Resp: 48172

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.4	97.2
227	65.4	32.4	97.0



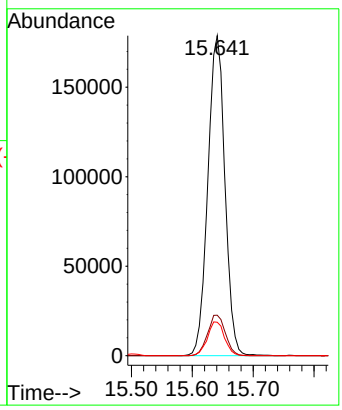


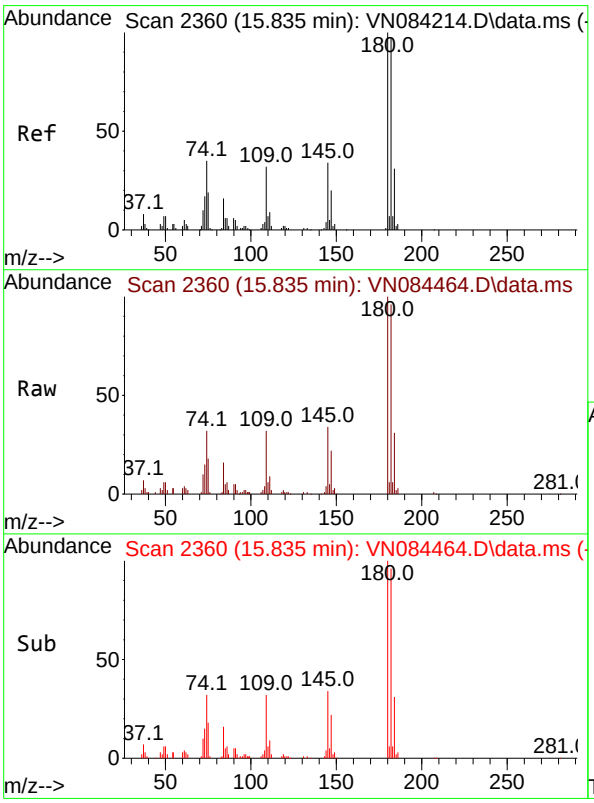
#95
Naphthalene
Concen: 48.506 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 348005

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.6	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 48.551 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084464.D
Acq: 22 Oct 2024 19:10

Tgt Ion:180 Resp: 105176

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.2	144.6
145	35.3	17.3	51.9

