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 : Q1773

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1773

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1773-01	BP-TB-20250407
Q1773-02	BP-TT190D2-GW-20250407
Q1773-03	BP-TT190D1-GW-20250409

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: 4/16/2025

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 # Q1773
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/10/2025.

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_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe 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 %RSD is greater than 20% in the Initial Calibration method (82X040225W.M) for t-1,3dichloropropene is passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Sample BP-TT190D1-GW-20250409 was diluted due to high concentration.

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

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The Sample #BP-TT190D2-GW-20250407 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

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

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: Q1773 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 %RSD is greater than 20% in the Initial Calibration method (82X040225W.M) for t-1,3dichloropropene is passing on Linear Regression. 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 RPD met criteria. 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)."

Sample BP-TT190D1-GW-20250409 was diluted due to high concentration.

The Sample #BP-TT190D2-GW-20250407 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1773

	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:** 04/16/2025

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LAB CHRONICLE

OrderID:	Q1773	**OrderDate:**	4/10/2025 10:14:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1773-01	**BP-TB-20250407**	**Water**			**04/07/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1773-02	**BP-TT190D2-GW-20250407**	**Water**			**04/07/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1773-03	**BP-TT190D1-GW-20250409**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	
Q1773-03DL	**BP-TT190D1-GW-20250409DL**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group1	8260-Low			04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1773

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-TT190D2-GW-20250407**								
Q1773-02	BP-TT190D2-GW-2	Water	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
Q1773-02	BP-TT190D2-GW-2	Water	1,1-Dichloroethene	3.80		0.23	0.75	1.00	ug/L
Q1773-02	BP-TT190D2-GW-2	Water	cis-1,2-Dichloroethene	1.70		0.19	0.75	1.00	ug/L
Q1773-02	BP-TT190D2-GW-2	Water	Trichloroethene	130		0.090	0.75	1.00	ug/L
			Total Voc :	155					
			Total Concentration:	155					
Client ID:	**BP-TT190D1-GW-20250409**								
Q1773-03	BP-TT190D1-GW-2	Water	1,1,2-Trichlorotrifluoroethane	8.80		0.25	0.50	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	1,1-Dichloroethene	3.70		0.23	0.75	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	Carbon Tetrachloride	3.00		0.25	0.50	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	cis-1,2-Dichloroethene	2.80		0.19	0.75	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	Chloroform	1.40		0.25	0.50	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	Trichloroethene	440	E	0.090	0.75	1.00	ug/L
Q1773-03	BP-TT190D1-GW-2	Water	1,1,2-Trichloroethane	2.20		0.21	0.50	1.00	ug/L
			Total Voc :	462					
			Total Concentration:	462					
Client ID:	**BP-TT190D1-GW-20250409DL**								
Q1773-03DL	BP-TT190D1-GW-2	Water	1,1,2-Trichlorotrifluoroethane	8.40	JD	2.50	5.00	10.0	ug/L
Q1773-03DL	BP-TT190D1-GW-2	Water	1,1-Dichloroethene	3.80	JD	2.30	7.50	10.0	ug/L
Q1773-03DL	BP-TT190D1-GW-2	Water	Trichloroethene	420	D	0.93	7.50	10.0	ug/L
			Total Voc :	432					
			Total Concentration:	432					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1773

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1773-01	BP-TB-20250407	1,2-Dichloroethane-d4	50	54.2	108	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114
Q1773-02	BP-TT190D2-GW-20250407	1,2-Dichloroethane-d4	50	52.7	105	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
Q1773-03	BP-TT190D1-GW-20250409	1,2-Dichloroethane-d4	50	54.5	109	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114
Q1773-03DL	BP-TT190D1-GW-20250409DL	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	51.3	103	85	114
VX0411WBL01	VX0411WBL01	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
VX0411WBS01	VX0411WBS01	1,2-Dichloroethane-d4	50	50.5	101	81	118
		Dibromofluoromethane	50	50.6	101	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX0411WBSD0	VX0411WBSD01	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1773

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBS01	Chloromethane	20	17.6	ug/L	88			50	139	
	Vinyl chloride	20	17.5	ug/L	88			58	137	
	Bromomethane	20	16.8	ug/L	84			53	141	
	Chloroethane	20	18.9	ug/L	95			60	138	
	Trichlorofluoromethane	20	18.4	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70	136	
	1,1-Dichloroethene	20	17.7	ug/L	89			71	131	
	Acetone	100	91.5	ug/L	92			39	160	
	Carbon disulfide	20	14.2	ug/L	71			64	133	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			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	18.2	ug/L	91			77	125	
	2-Butanone	100	95.6	ug/L	96			56	143	
	Carbon Tetrachloride	20	18.6	ug/L	93			72	136	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			78	123	
	Chloroform	20	18.3	ug/L	92			79	124	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			74	131	
	Methylcyclohexane	20	17.9	ug/L	90			72	132	
	Benzene	20	18.1	ug/L	91			79	120	
	1,2-Dichloroethane	20	19.4	ug/L	97			73	128	
	Trichloroethene	20	17.6	ug/L	88			79	123	
	1,2-Dichloropropane	20	18.7	ug/L	94			78	122	
	Bromodichloromethane	20	18.3	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			67	130	
	Toluene	20	18.2	ug/L	91			80	121	
	t-1,3-Dichloropropene	20	17.5	ug/L	88			73	127	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			75	124	
	1,1,2-Trichloroethane	20	18.9	ug/L	95			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.5	ug/L	93			74	126	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	37.7	ug/L	94			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.3	ug/L	97			78	123	
	Bromoform	20	17.9	ug/L	90			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1773

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045734.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBSD01	Chloromethane	20	18.0	ug/L	90	2		50	139	20
	Vinyl chloride	20	17.6	ug/L	88	0		58	137	20
	Bromomethane	20	17.6	ug/L	88	5		53	141	20
	Chloroethane	20	19.0	ug/L	95	0		60	138	20
	Trichlorofluoromethane	20	19.3	ug/L	97	5		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97	4		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	1		71	131	20
	Acetone	100	100	ug/L	100	8		39	160	20
	Carbon disulfide	20	14.5	ug/L	73	3		64	133	20
	Methyl tert-butyl Ether	20	20.4	ug/L	102	9		71	124	20
	Methylene Chloride	20	19.4	ug/L	97	6		74	124	20
	trans-1,2-Dichloroethene	20	18.5	ug/L	93	3		75	124	20
	1,1-Dichloroethane	20	19.2	ug/L	96	5		77	125	20
	2-Butanone	100	100	ug/L	100	4		56	143	20
	Carbon Tetrachloride	20	18.9	ug/L	95	2		72	136	20
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	2		78	123	20
	Chloroform	20	19.7	ug/L	99	7		79	124	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	4		74	131	20
	Methylcyclohexane	20	18.7	ug/L	94	4		72	132	20
	Benzene	20	18.7	ug/L	94	3		79	120	20
	1,2-Dichloroethane	20	20.4	ug/L	102	5		73	128	20
	Trichloroethene	20	18.4	ug/L	92	4		79	123	20
	1,2-Dichloropropane	20	19.2	ug/L	96	2		78	122	20
	Bromodichloromethane	20	19.5	ug/L	98	6		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		67	130	20
	Toluene	20	19.1	ug/L	96	5		80	121	20
	t-1,3-Dichloropropene	20	18.4	ug/L	92	4		73	127	20
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	5		75	124	20
	1,1,2-Trichloroethane	20	19.9	ug/L	100	5		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	19.2	ug/L	96	3		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	0		74	129	20
	Chlorobenzene	20	19.6	ug/L	98	3		82	118	20
	Ethyl Benzene	20	19.5	ug/L	98	3		79	121	20
	m/p-Xylenes	40	38.9	ug/L	97	3		80	121	20
	o-Xylene	20	19.7	ug/L	99	3		78	122	20
	Styrene	20	20.1	ug/L	101	4		78	123	20
	Bromoform	20	18.8	ug/L	94	4		66	130	20
	Isopropylbenzene	20	18.8	ug/L	94	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96	1		71	121	20
	1,3-Dichlorobenzene	20	18.7	ug/L	94	1		80	119	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	2		79	118	20
	1,2-Dichlorobenzene	20	19.4	ug/L	97	0		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0411WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG NO.: Q1773

Lab File ID: VX045732.D Lab Sample ID: VX0411WBL01

Date Analyzed: 04/11/2025 Time Analyzed: 11:32

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025
BP-TT190D2-GW-20250407	Q1773-02	VX045735.D	04/11/2025
BP-TT190D1-GW-20250409	Q1773-03	VX045736.D	04/11/2025
BP-TT190D1-GW-20250409DL	Q1773-03DL	VX045746.D	04/11/2025
BP-TB-20250407	Q1773-01	VX045747.D	04/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG NO.: Q1773

Lab File ID: VX045524.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_X BFB Injection Time: 16:15

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	58.2
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	65.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 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
VSTDICC001	VSTDICC001	VX045525.D	04/01/2025	17:06
VSTDICC005	VSTDICC005	VX045526.D	04/01/2025	17:29
VSTDICC020	VSTDICC020	VX045527.D	04/01/2025	17:52
VSTDICCC050	VSTDICCC050	VX045528.D	04/01/2025	18:15
VSTDICC100	VSTDICC100	VX045529.D	04/01/2025	18:38
VSTDICC150	VSTDICC150	VX045530.D	04/01/2025	19:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG NO.: Q1773

Lab File ID: VX045729.D BFB Injection Date: 04/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.3) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	63.3 (95.7) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045730.D	04/11/2025	10:41
VX0411WBL01	VX0411WBL01	VX045732.D	04/11/2025	11:32
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025	11:55
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025	12:22
BP-TT190D2-GW-20250407	Q1773-02	VX045735.D	04/11/2025	12:45
BP-TT190D1-GW-20250409	Q1773-03	VX045736.D	04/11/2025	13:08
BP-TT190D1-GW-20250409DL	Q1773-03DL	VX045746.D	04/11/2025	17:00
BP-TB-20250407	Q1773-01	VX045747.D	04/11/2025	17:23
VSTDCCC050EC	VSTDCCC050	VX045753.D	04/11/2025	19:42

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG NO.: Q1773

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	97283	5.54	164714	6.76	147741	10.05
UPPER LIMIT	194566	6.044	329428	7.257	295482	10.549
LOWER LIMIT	48641.5	5.044	82357	6.257	73870.5	9.549
EPA SAMPLE NO.						
BP-TB-20250407	64635	5.54	127456	6.76	119779	10.05
BP-TT190D2-GW-20250407	64518	5.55	124304	6.76	112481	10.05
BP-TT190D1-GW-20250409	67136	5.55	131053	6.76	122019	10.05
BP-TT190D1-GW-20250409DL	66514	5.54	129658	6.76	118906	10.05
VX0411WBL01	65554	5.55	128675	6.76	118153	10.05
VX0411WBS01	92540	5.54	163903	6.76	140888	10.05
VX0411WBSD01	84320	5.54	150272	6.76	131860	10.05

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.: Q1773 SAS No.: Q1773 SDG NO.: Q1773

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	71449	12.018				
UPPER LIMIT	142898	12.518				
LOWER LIMIT	35724.5	11.518				
EPA SAMPLE NO.						
BP-TB-20250407	50320	12.02				
BP-TT190D2-GW-20250407	44175	12.02				
BP-TT190D1-GW-20250409	48475	12.02				
BP-TT190D1-GW-20250409DL	49147	12.02				
VX0411WBL01	48353	12.02				
VX0411WBS01	64715	12.02				
VX0411WBSD01	63206	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TB-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045747.D	1		04/11/25 17:23	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	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	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	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	0.98	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	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TB-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045747.D	1		04/11/25 17:23	VX041125

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	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64600	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TB-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045747.D	1		04/11/25 17:23	VX041125

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_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Quant Time: Apr 11 23:06:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64048	54.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.380%			
35) Dibromofluoromethane	5.379	113	46129	51.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	8.647	98	158270	50.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	60732	52.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.640%			

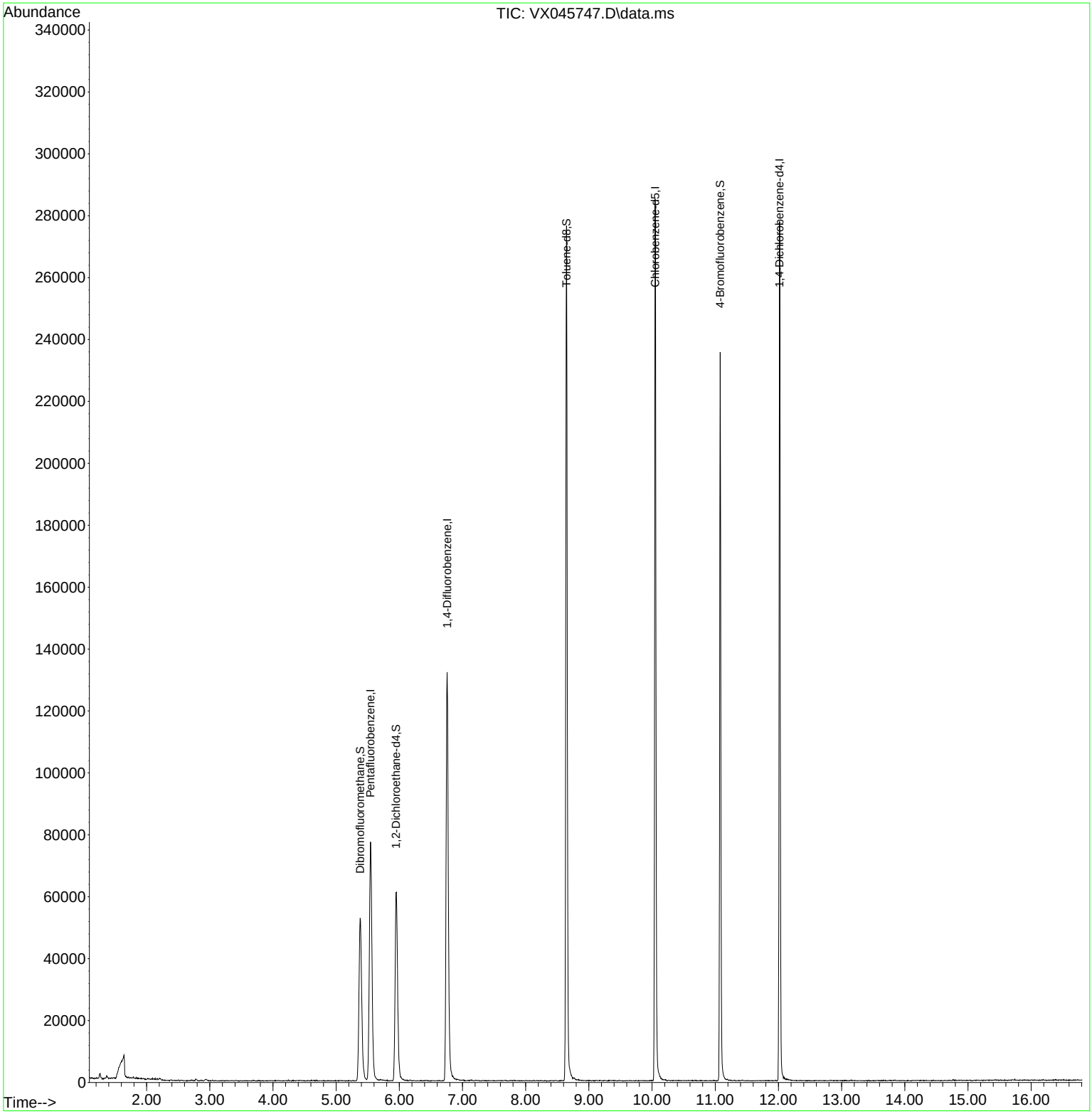
Target Compounds Qvalue

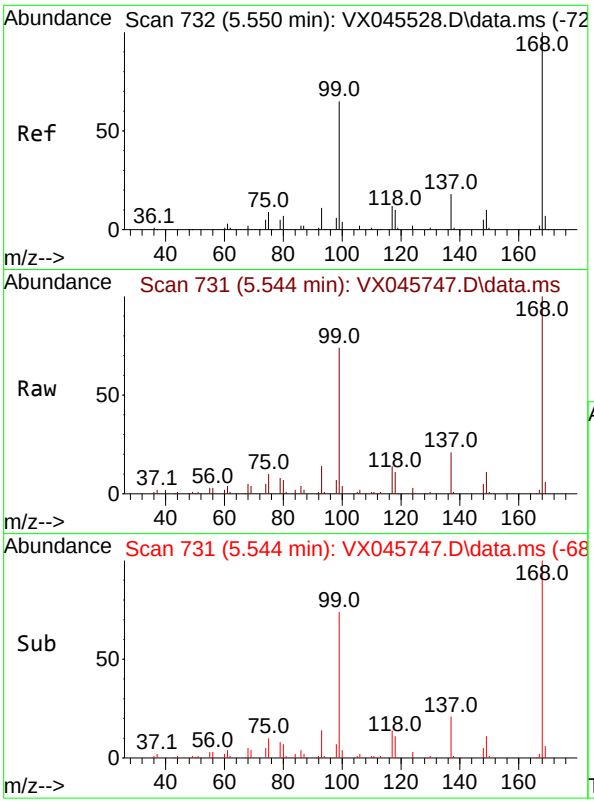
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Quant Time: Apr 11 23:06:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



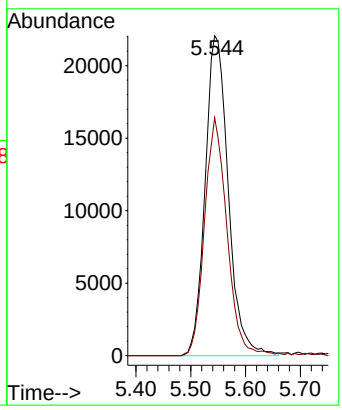


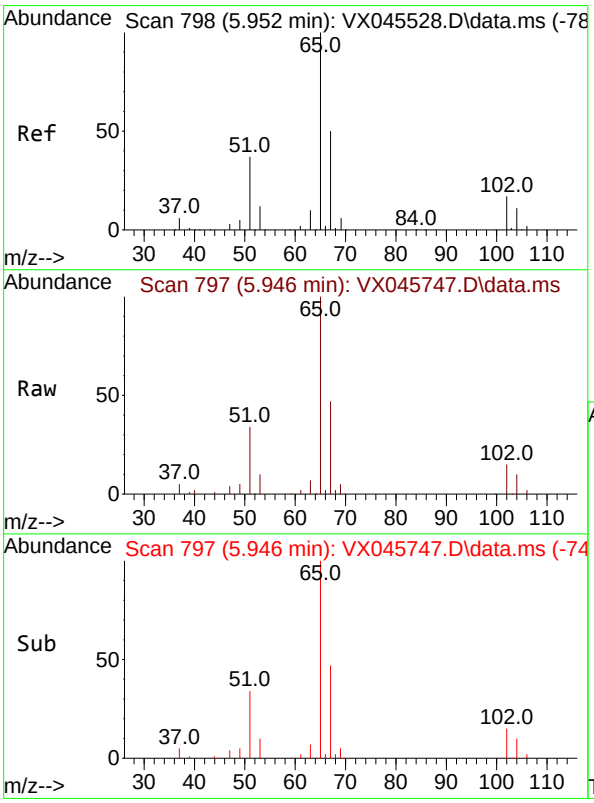
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Tgt Ion:168 Resp: 64635

Ion	Ratio	Lower	Upper
168	100		
99	74.4	52.3	78.5

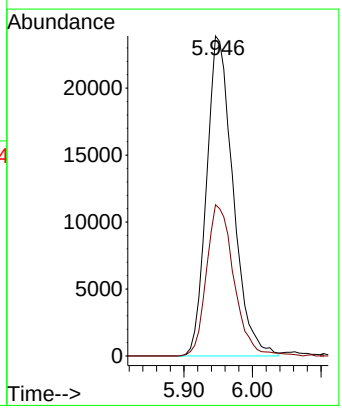


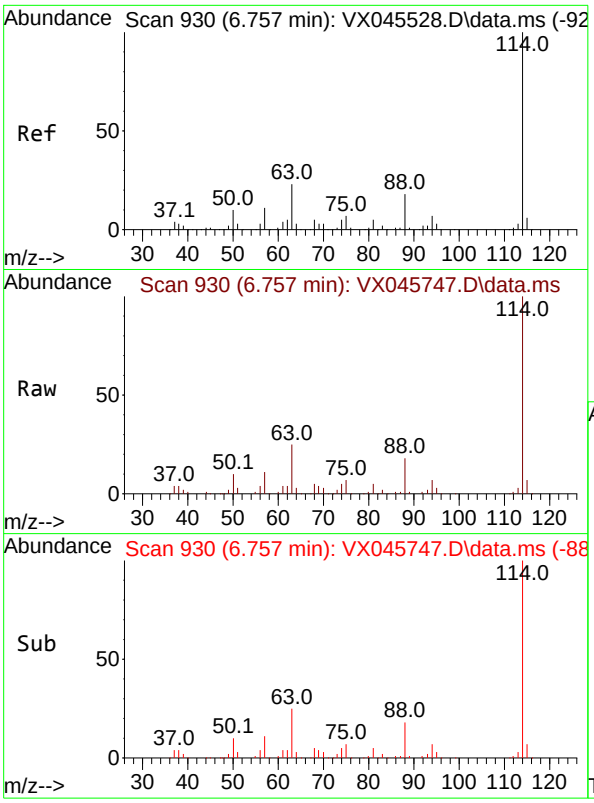


#33
1,2-Dichloroethane-d4
Concen: 54.186 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Tgt Ion: 65 Resp: 64048

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



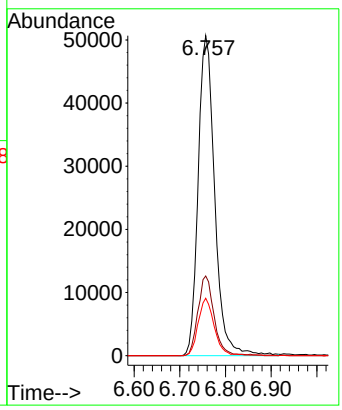


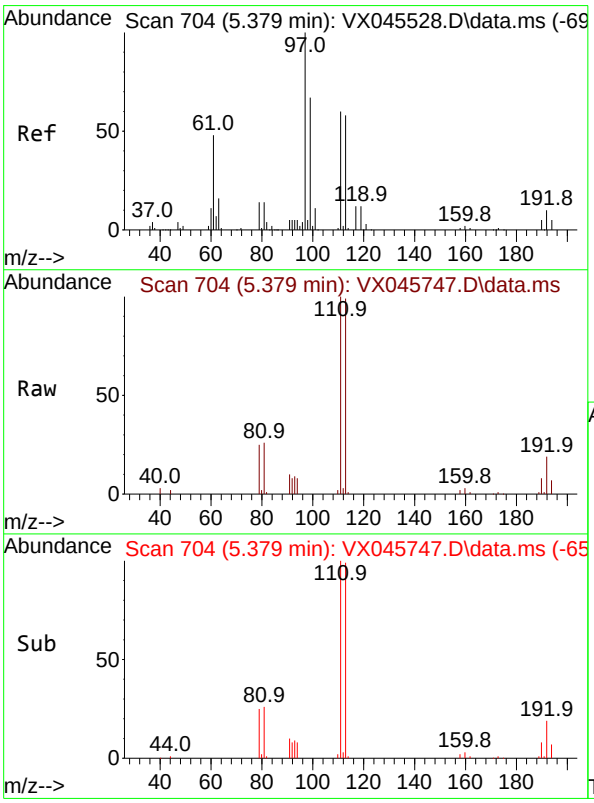
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Tgt Ion:114 Resp: 127456

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.8
88	18.0	0.0	35.4

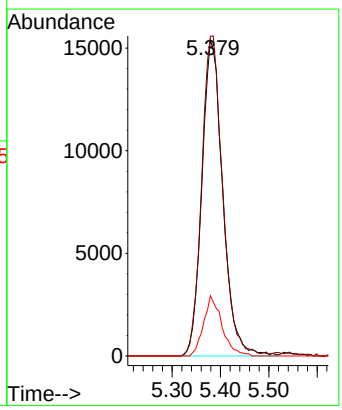


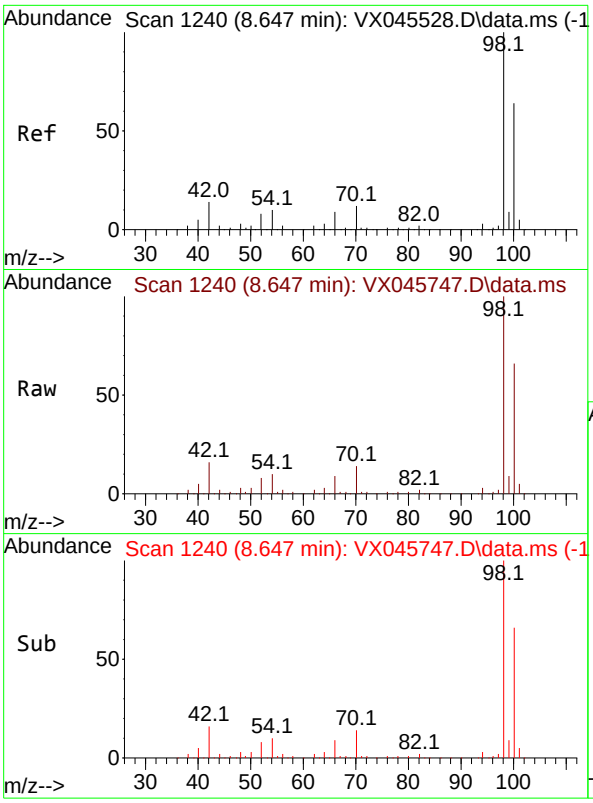


#35
Dibromofluoromethane
Concen: 51.011 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Tgt Ion:113 Resp: 46129

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	16.8	13.8	20.6



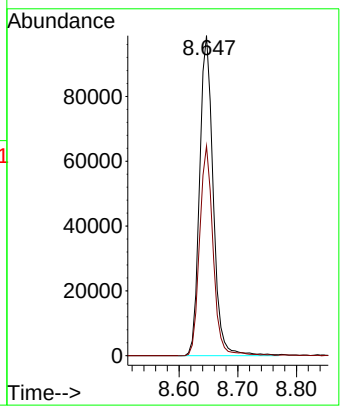


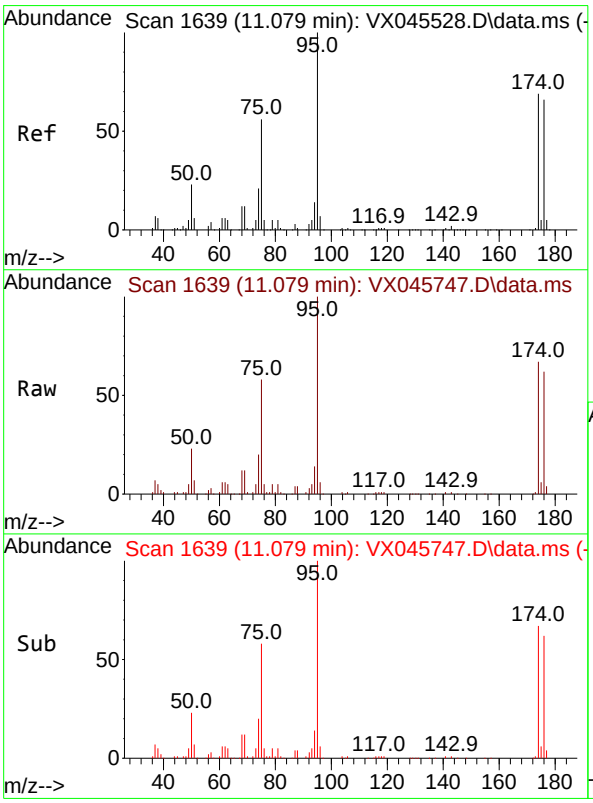
#50
Toluene-d8
Concen: 50.143 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Tgt Ion: 98 Resp: 158270

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4

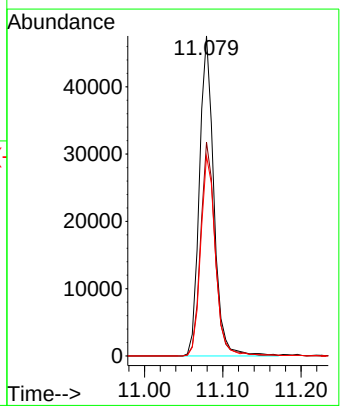


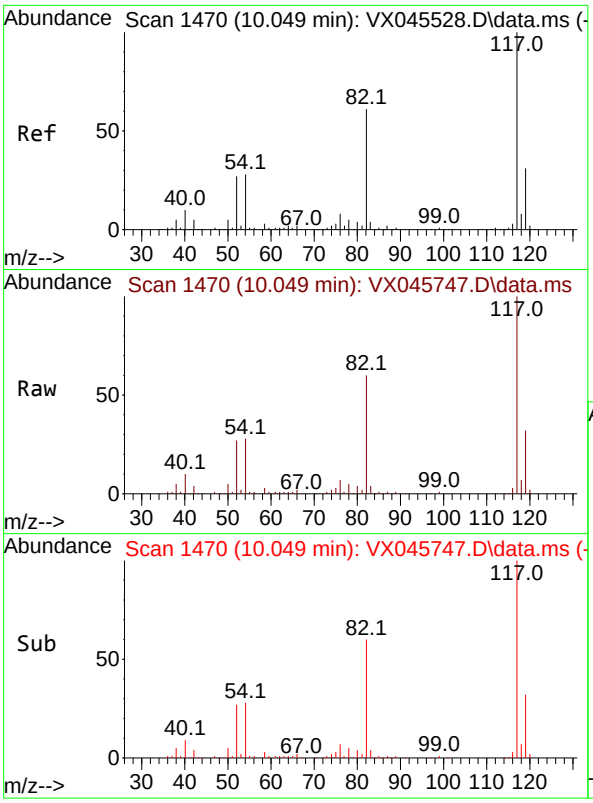


#62
4-Bromofluorobenzene
Concen: 52.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Tgt Ion: 95 Resp: 60732

Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	135.8
176	64.3	0.0	131.4



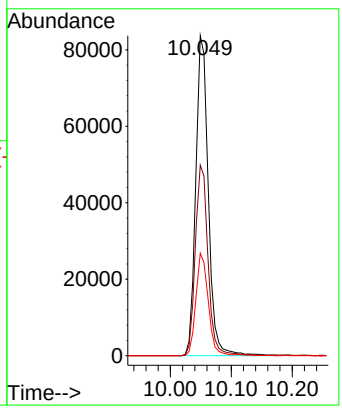


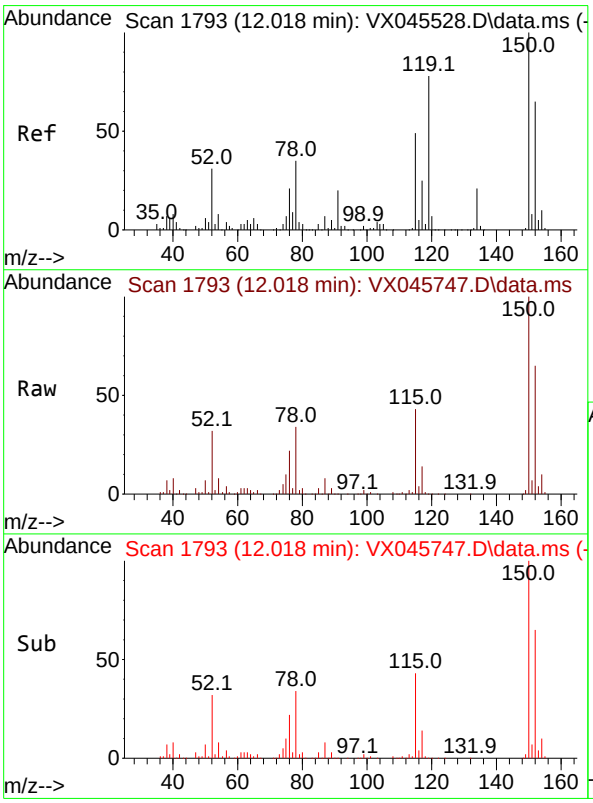
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Tgt Ion:117 Resp: 119779

Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.0	25.1	37.7

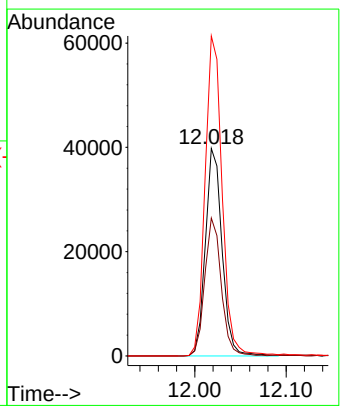




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045747.D
Acq: 11 Apr 2025 17:23

Tgt Ion:152 Resp: 50320

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	157.8	0.0	349.4



Sample Results: **VX045747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

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_X\Method\82X040225W.M
Title : SW846 8260

Signal : TIC: VX045747.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.642	69	91	98	rBV4	7524	36758	8.25%	1.531%
2	5.379	694	704	721	rBV	52549	156857	35.22%	6.532%
3	5.544	721	731	749	rVB	76894	216201	48.55%	9.004%
4	5.952	788	798	814	rBV	60958	168411	37.82%	7.014%
5	6.757	921	930	944	rBV	132017	324160	72.79%	13.500%
6	8.647	1233	1240	1256	rBV	276050	445331	100.00%	18.546%
7	10.049	1465	1470	1485	rBV	284835	407158	91.43%	16.957%
8	11.079	1634	1639	1652	rBV	235277	299637	67.28%	12.479%
9	12.018	1788	1793	1808	rBV	277585	346670	77.85%	14.437%

Sum of corrected areas: 2401183

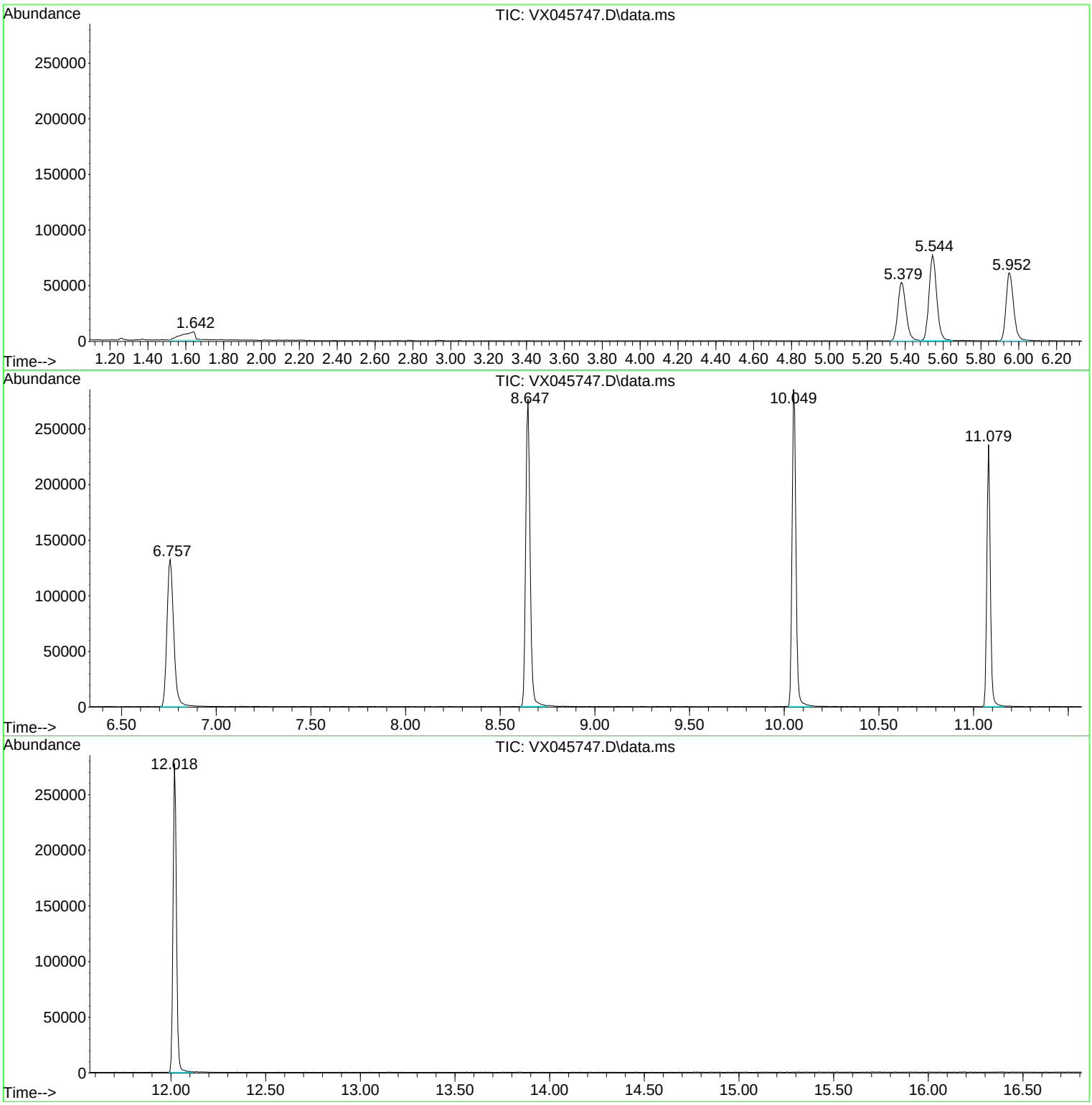
Sample Results: **VX045747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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_X\Data\VX041125\
Data File : VX045747.D
Acq On : 11 Apr 2025 17:23
Operator : JC/MD
Sample : Q1773-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D2-GW-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045735.D	1		04/11/25 12:45	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.80		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	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	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	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	0.98	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	1.70		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	130		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	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:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D2-GW-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045735.D	1		04/11/25 12:45	VX041125

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	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64500	5.55				
540-36-3	1,4-Difluorobenzene	124000	6.757				
3114-55-4	Chlorobenzene-d5	112000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	44200	12.018				
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:	04/07/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D2-GW-20250407	SDG No.:	Q1773
Lab Sample ID:	Q1773-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045735.D	1		04/11/25 12:45	VX041125

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_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Quant Time: Apr 11 23:04:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

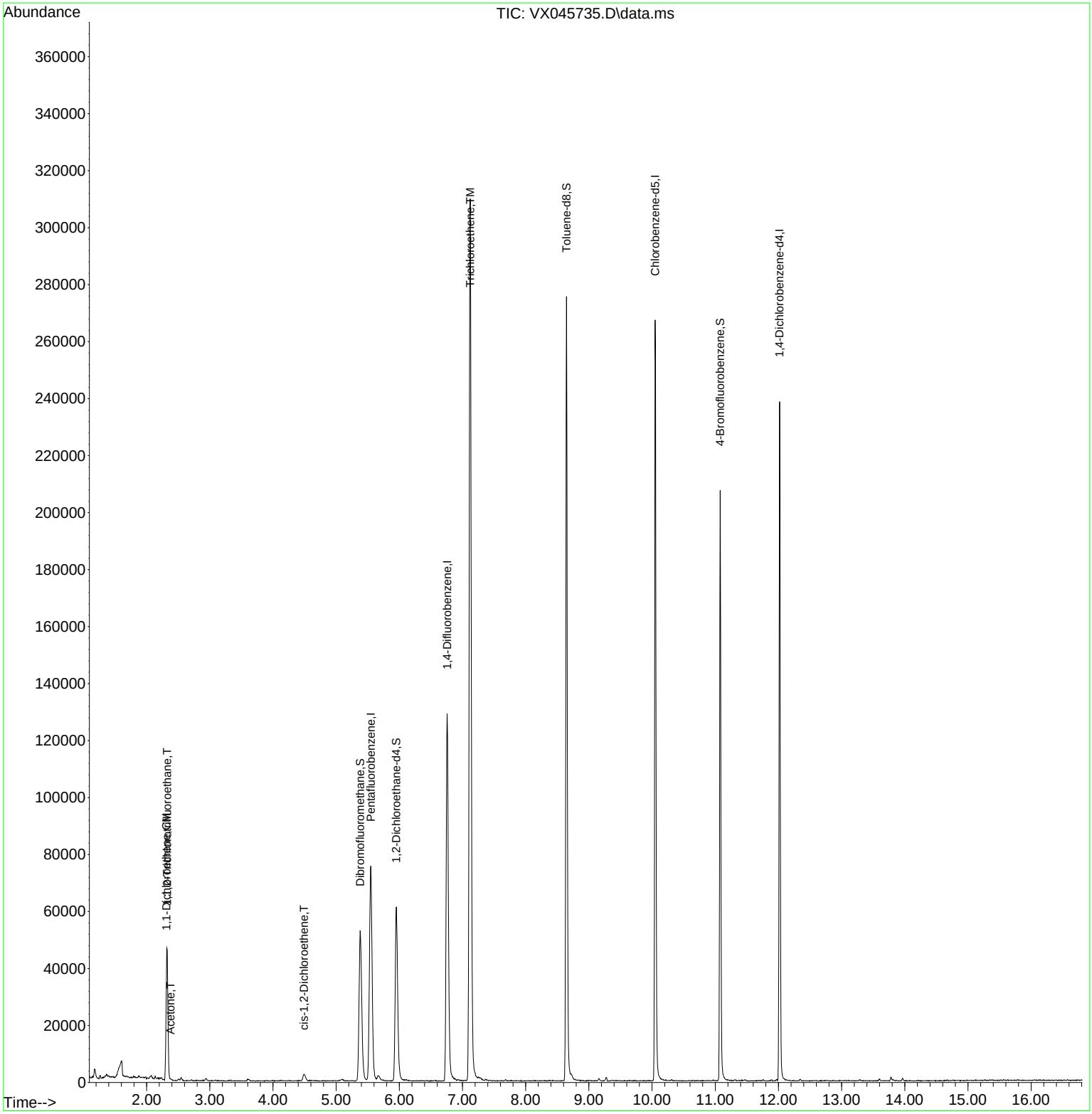
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	112481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62219	52.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.460%			
35) Dibromofluoromethane	5.379	113	44969	50.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	8.647	98	155879	50.638	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	55472	49.472	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.940%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	15502	19.557	ug/l	100
12) 1,1-Dichloroethene	2.312	96	2976	3.842	ug/l	94
16) Acetone	2.379	43	575	1.187	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	1620	1.680	ug/l	99
44) Trichloroethene	7.123	130	112715	130.395	ug/l	92

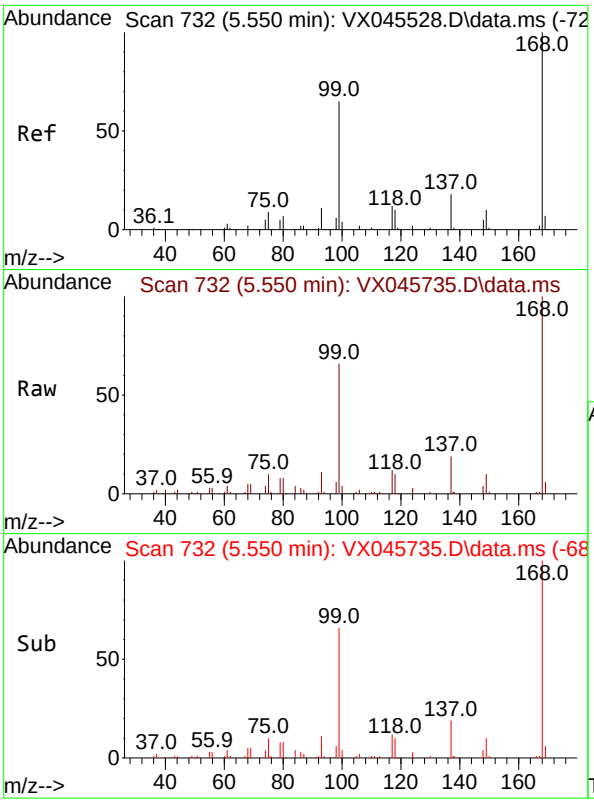
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Quant Time: Apr 11 23:04:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



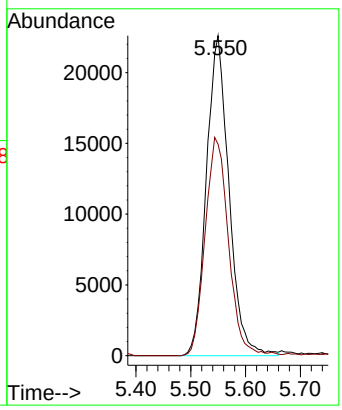


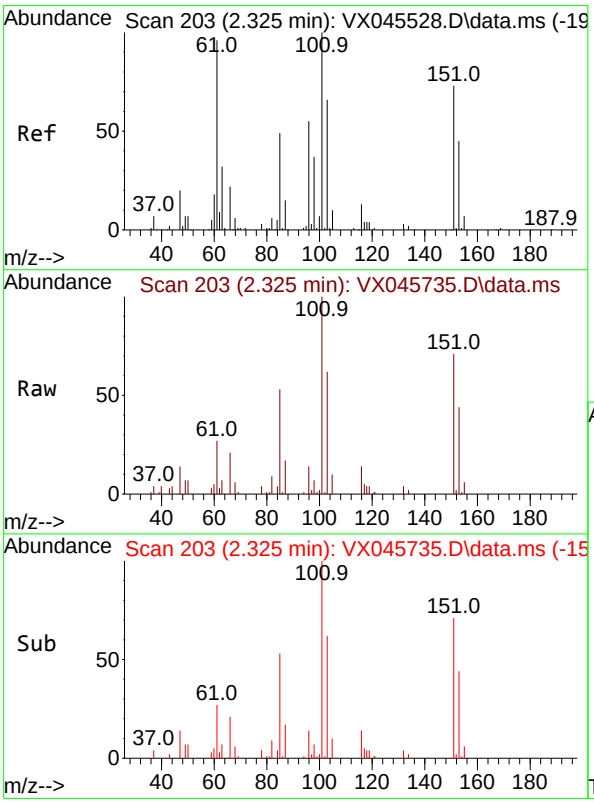
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion:168 Resp: 64518

Ion	Ratio	Lower	Upper
168	100		
99	66.1	52.3	78.5

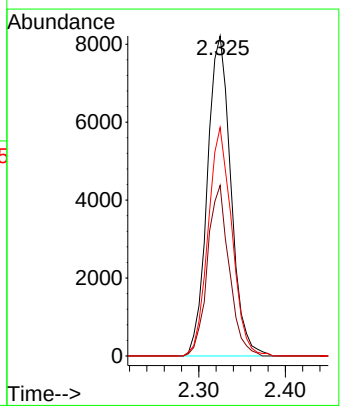


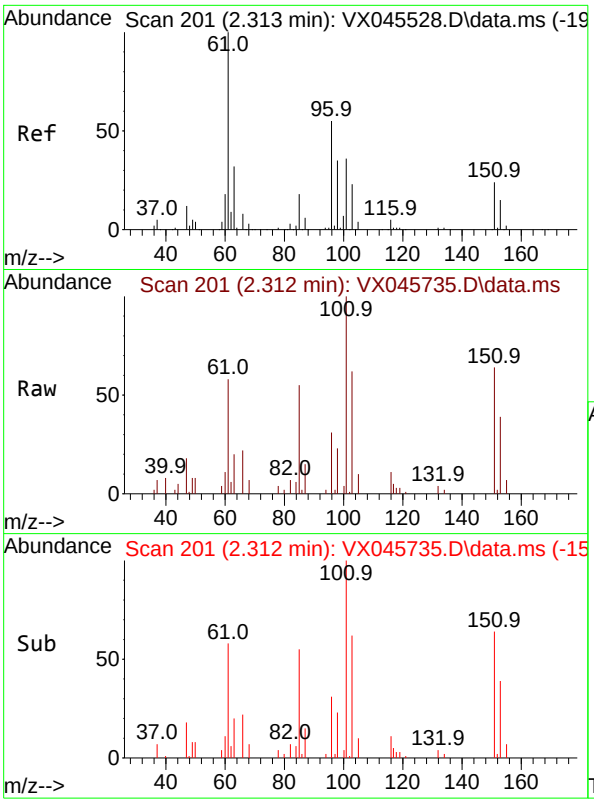


#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.557 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion:101 Resp: 15502

Ion	Ratio	Lower	Upper
101	100		
85	49.2	38.9	58.3
151	71.9	57.5	86.3



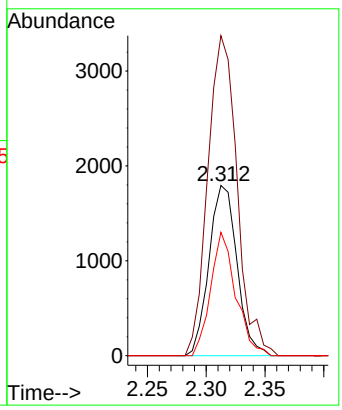


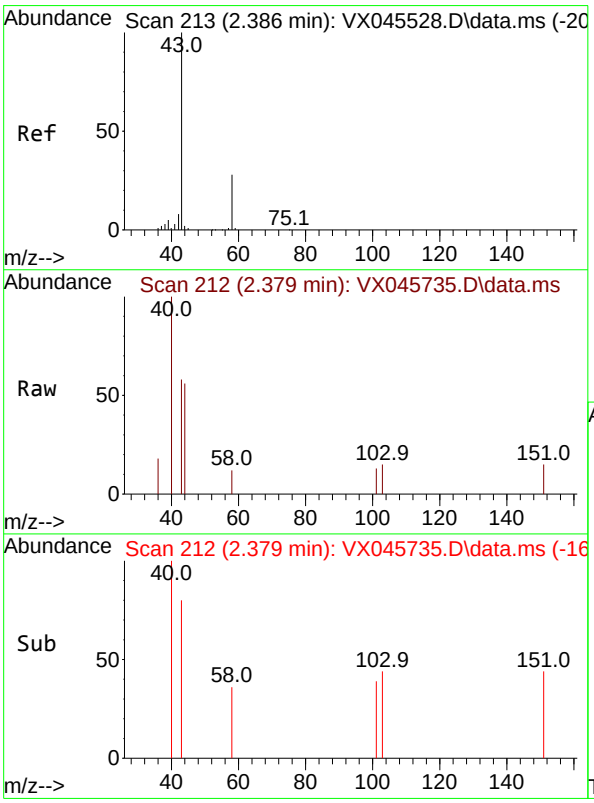
#12
1,1-Dichloroethene
Concen: 3.842 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion: 96 Resp: 2976

Ion	Ratio	Lower	Upper
96	100		
61	188.0	145.7	218.5
98	72.5	51.6	77.4

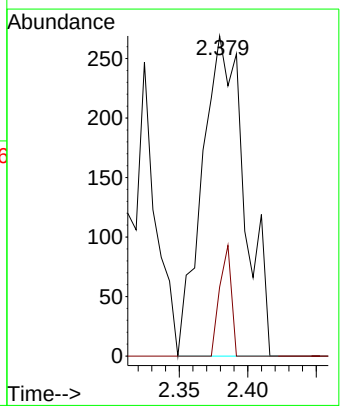


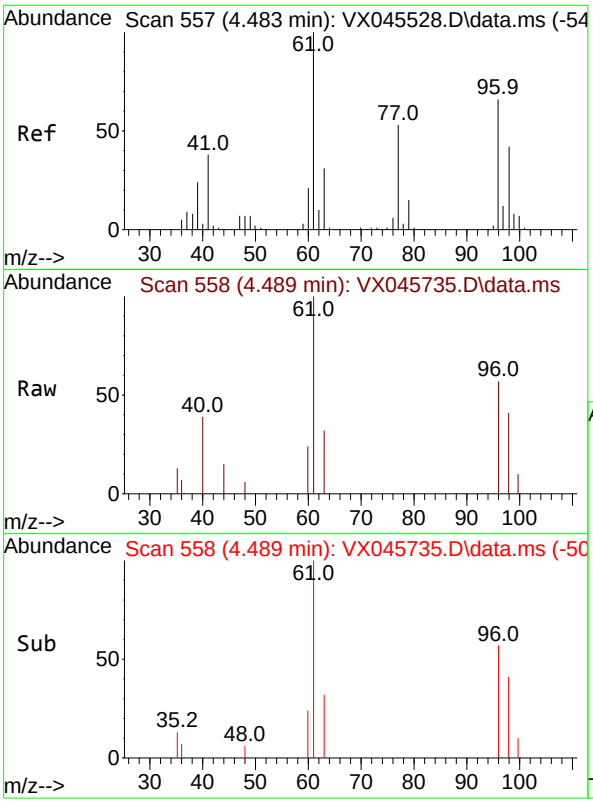


#16
Acetone
Concen: 1.187 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion: 43 Resp: 575

Ion	Ratio	Lower	Upper
43	100		
58	21.6	22.3	33.5#



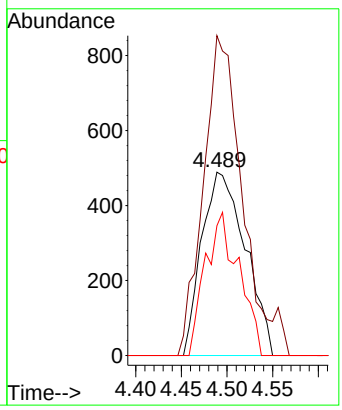


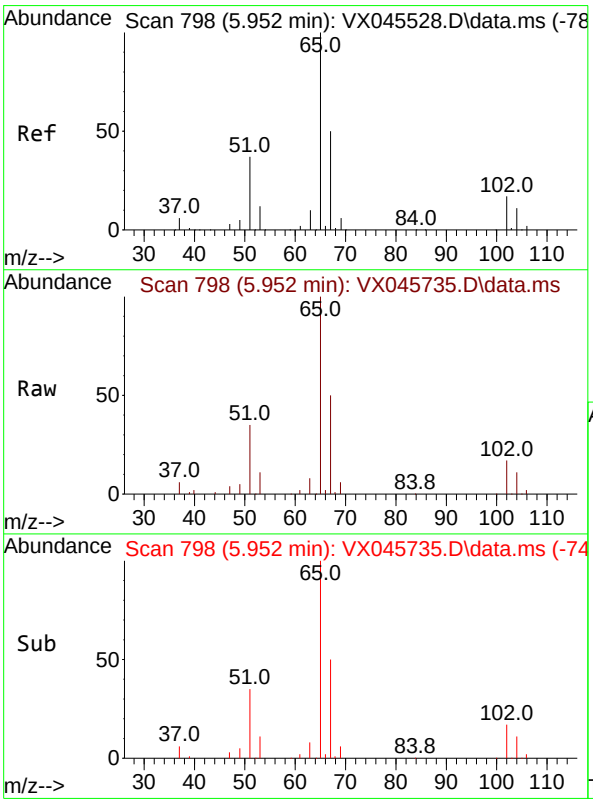
#27
cis-1,2-Dichloroethene
Concen: 1.680 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion: 96 Resp: 1620

Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	313.2
98	60.4	0.0	126.4

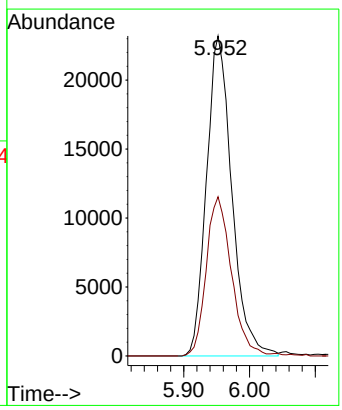


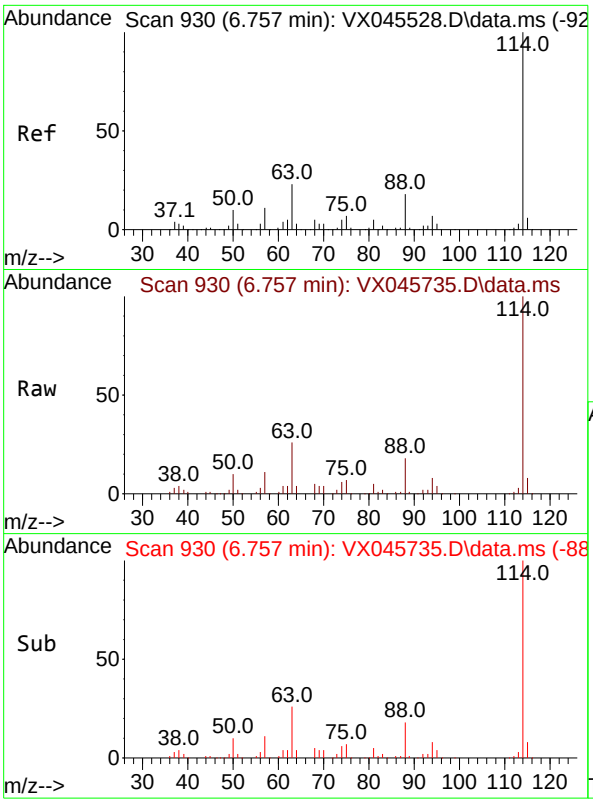


#33
1,2-Dichloroethane-d4
Concen: 52.734 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion: 65 Resp: 62219

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



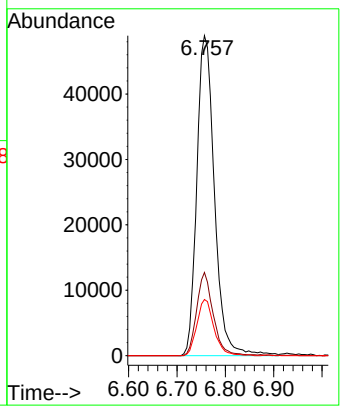


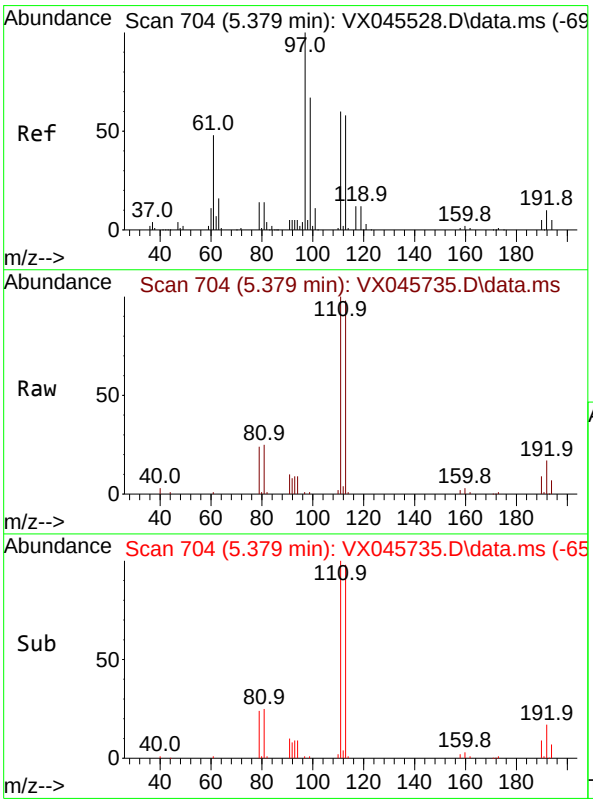
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion:114 Resp: 124304

Ion	Ratio	Lower	Upper
114	100		
63	26.0	0.0	46.8
88	17.5	0.0	35.4

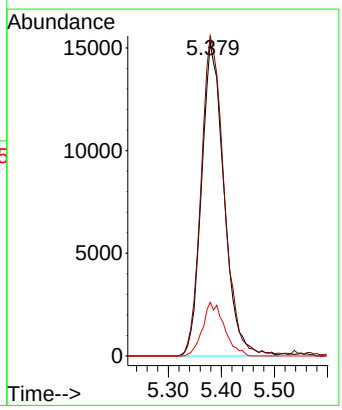


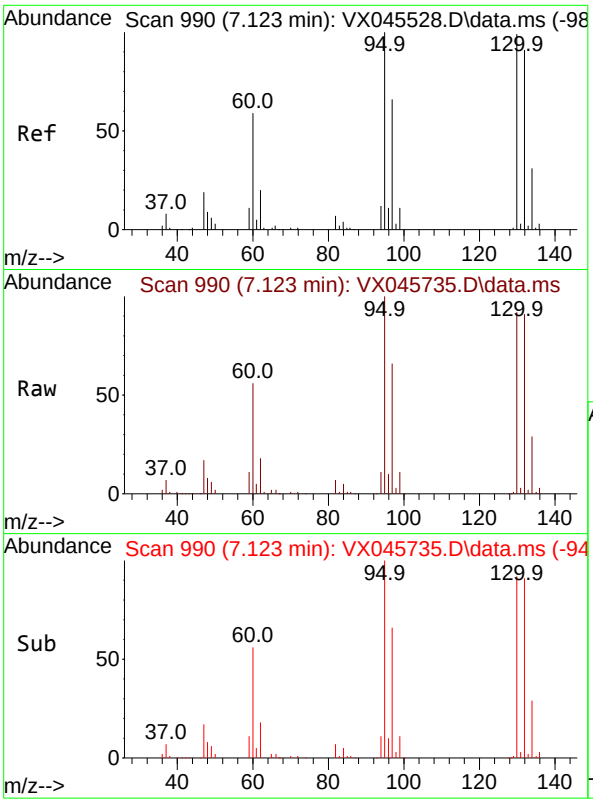


#35
Dibromofluoromethane
Concen: 50.989 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion:113 Resp: 44969

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	16.5	13.8	20.6



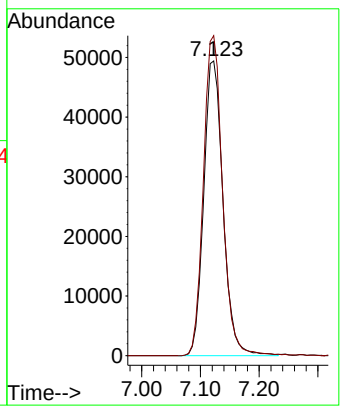


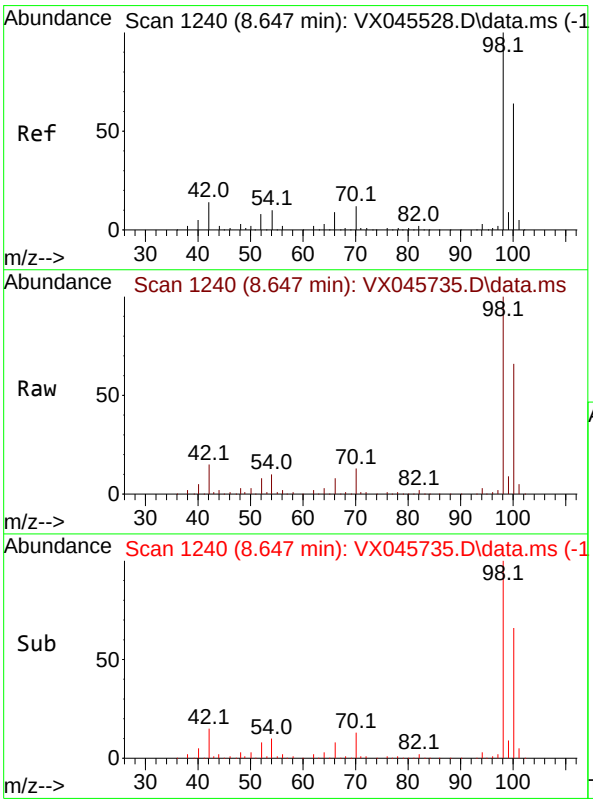
#44
Trichloroethene
Concen: 130.395 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion:130 Resp: 112715

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0

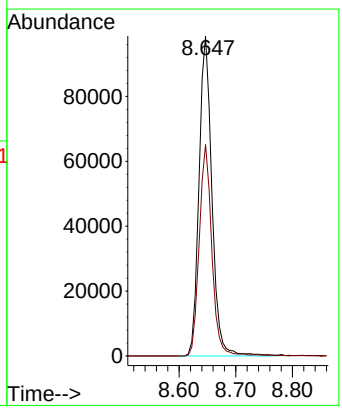


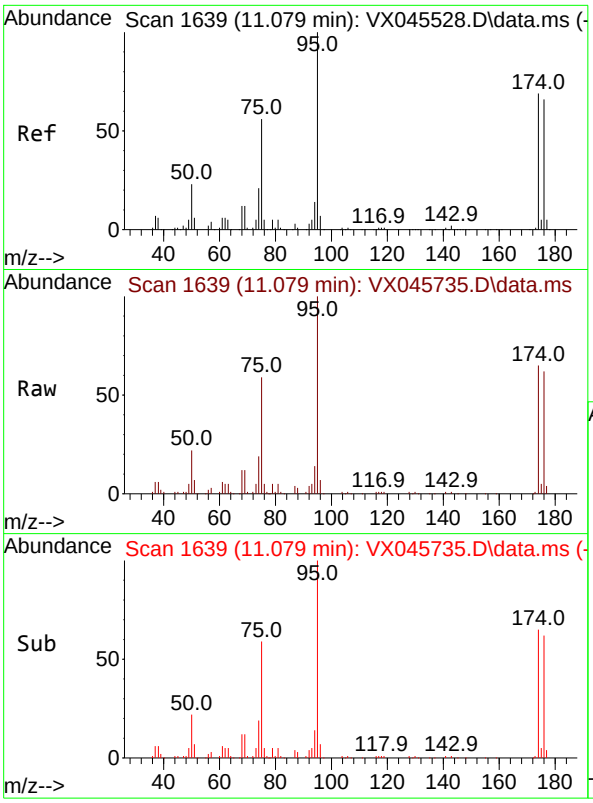


#50
Toluene-d8
Concen: 50.638 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion: 98 Resp: 155879

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.4



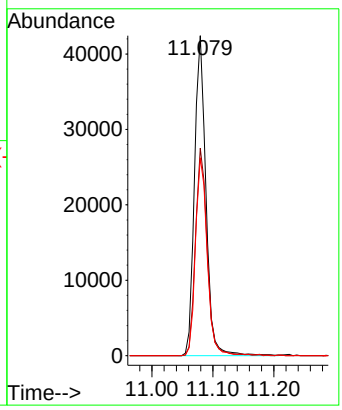


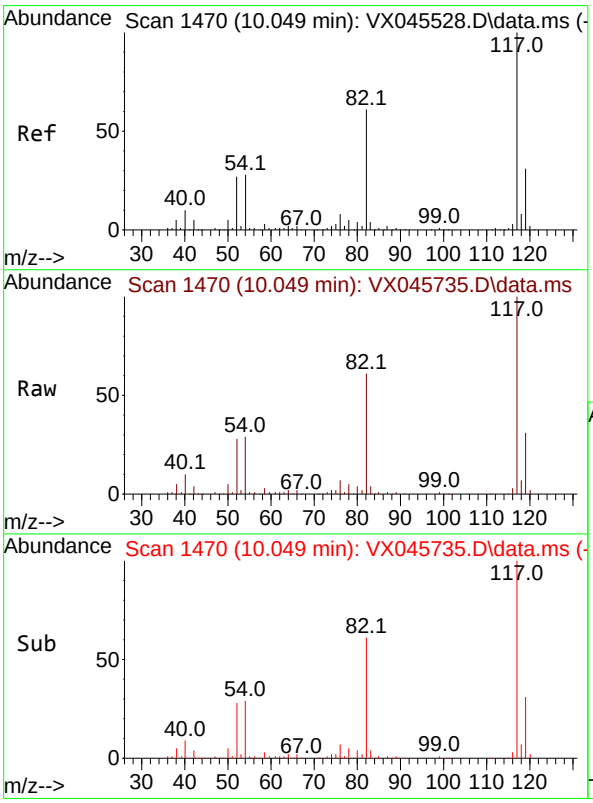
#62
4-Bromofluorobenzene
Concen: 49.472 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion: 95 Resp: 55472

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	135.8
176	63.4	0.0	131.4

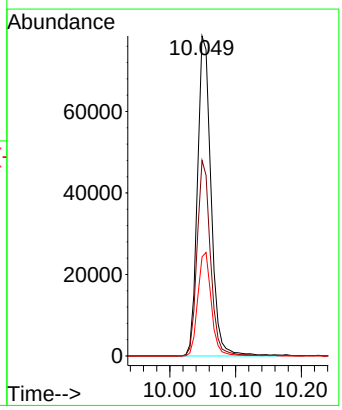


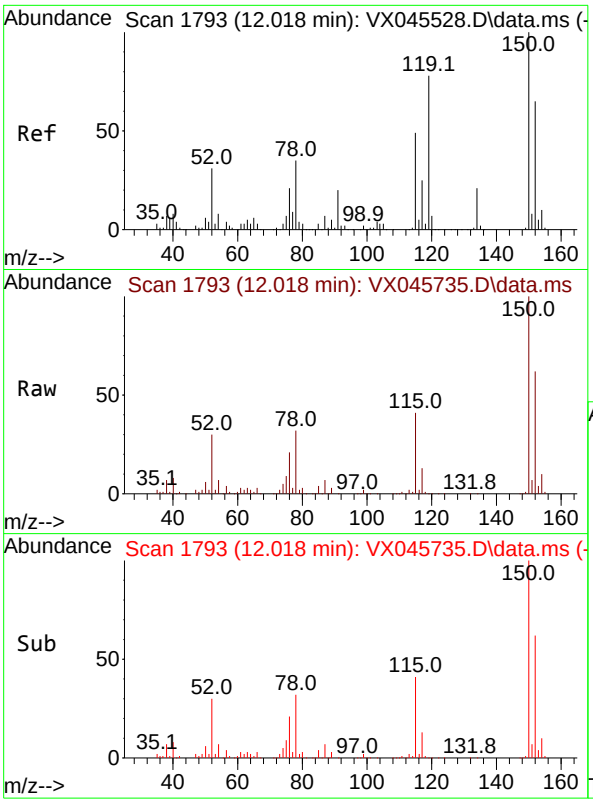


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Tgt Ion:117 Resp: 112481

Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	30.9	25.1	37.7



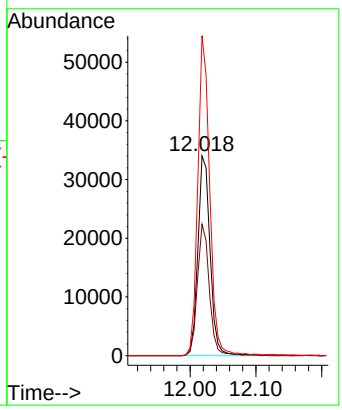


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045735.D
Acq: 11 Apr 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Tgt Ion:152 Resp: 44175

Ion	Ratio	Lower	Upper
152	100		
115	64.5	46.9	140.7
150	156.5	0.0	349.4



Sample Results: **VX045735.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

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_X\Method\82X040225W.M
Title : SW846 8260

Signal : TIC: VX045735.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.605	68	85	88	rBV6	5867	21291	3.05%	0.694%
2	2.319	196	202	211	rBV2	46380	91829	13.14%	2.995%
3	4.489	551	558	572	rVB3	2396	7205	1.03%	0.235%
4	5.379	691	704	721	rBV2	52903	156561	22.39%	5.106%
5	5.550	721	732	746	rVV2	75358	218442	31.25%	7.125%
6	5.952	788	798	813	rBV	61013	163275	23.35%	5.325%
7	6.757	922	930	948	rBV	128851	316554	45.28%	10.325%
8	7.123	980	990	1009	rBV	309509	699113	100.00%	22.802%
9	8.647	1233	1240	1260	rBV	275249	439540	62.87%	14.336%
10	10.049	1465	1470	1484	rBV	266871	380908	54.48%	12.424%
11	11.079	1634	1639	1654	rBV	207058	271090	38.78%	8.842%
12	12.018	1788	1793	1805	rBV	238305	300213	42.94%	9.792%

Sum of corrected areas: 3066021

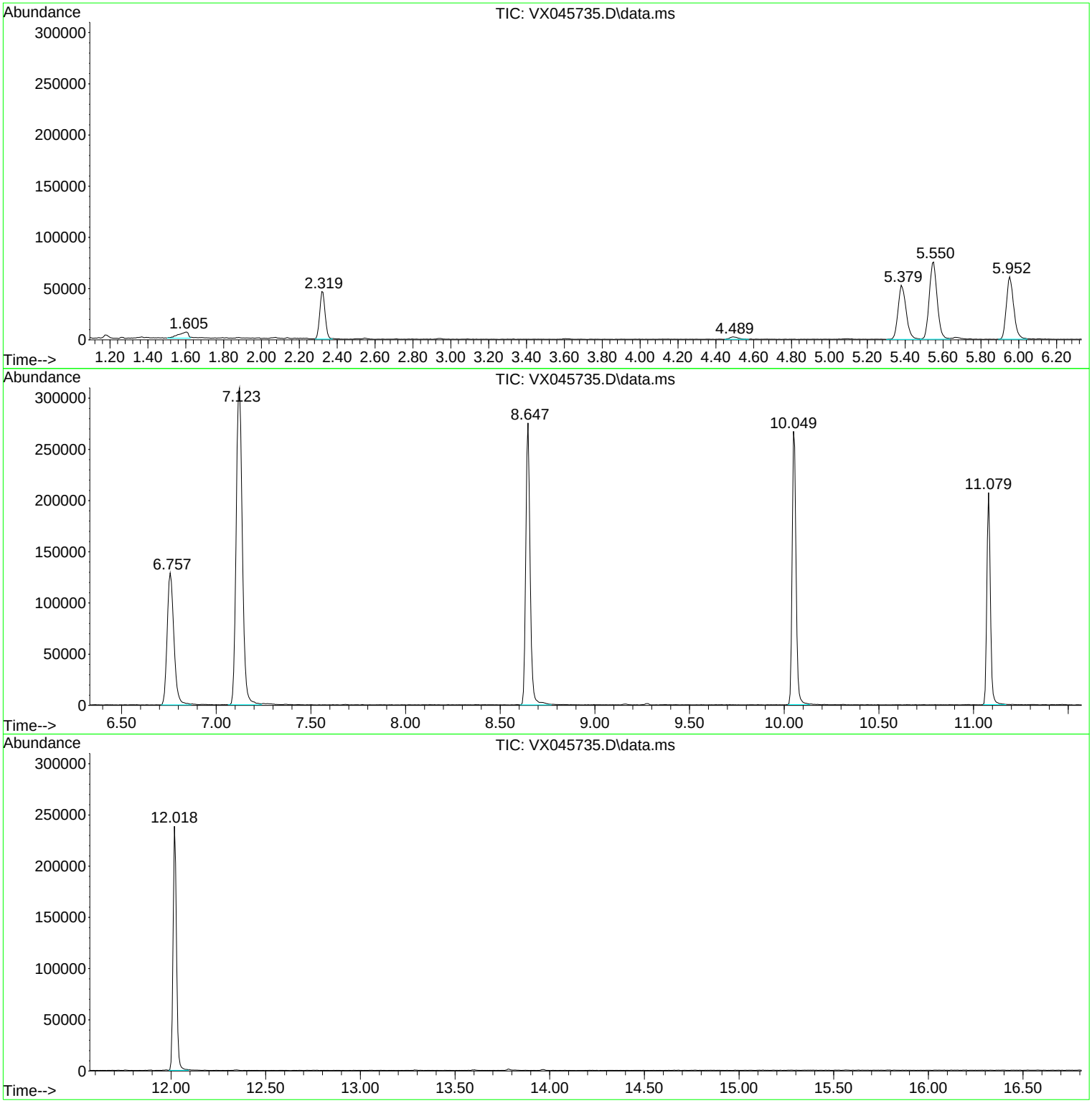
Sample Results: **VX045735.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045735.D
Acq On : 11 Apr 2025 12:45
Operator : JC/MD
Sample : Q1773-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D2-GW-20250407

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D1-GW-20250409	SDG No.:	Q1773
Lab Sample ID:	Q1773-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045736.D	1		04/11/25 13:08	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	8.80		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.70		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	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	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	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	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	3.00		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.80		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	1.40		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	440	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.20		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	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:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D1-GW-20250409	SDG No.:	Q1773
Lab Sample ID:	Q1773-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045736.D	1		04/11/25 13:08	VX041125

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	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67100	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D1-GW-20250409	SDG No.:	Q1773
Lab Sample ID:	Q1773-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045736.D	1		04/11/25 13:08	VX041125

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_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Quant Time: Apr 11 23:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

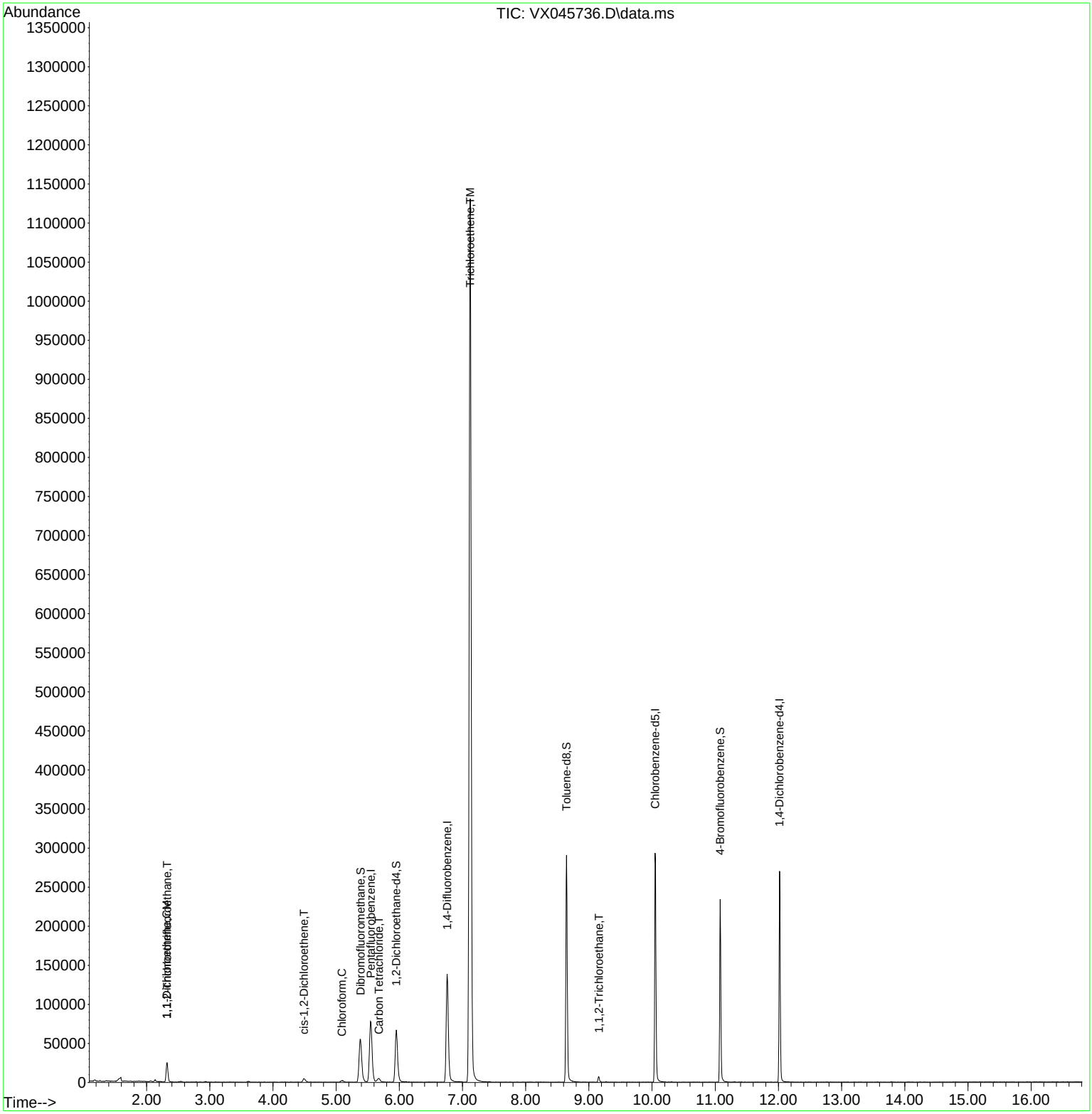
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66855	54.454	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.900%			
35) Dibromofluoromethane	5.385	113	47739	51.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	8.647	98	164412	50.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	61082	51.670	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	7245	8.784	ug/l	95
12) 1,1-Dichloroethene	2.318	96	2974	3.690	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	2777	2.768	ug/l	89
30) Chloroform	5.092	83	2443	1.394	ug/l	97
38) Carbon Tetrachloride	5.678	117	4109	3.028	ug/l #	80
44) Trichloroethene	7.122	130	404492	443.842	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	2023	2.188	ug/l	91

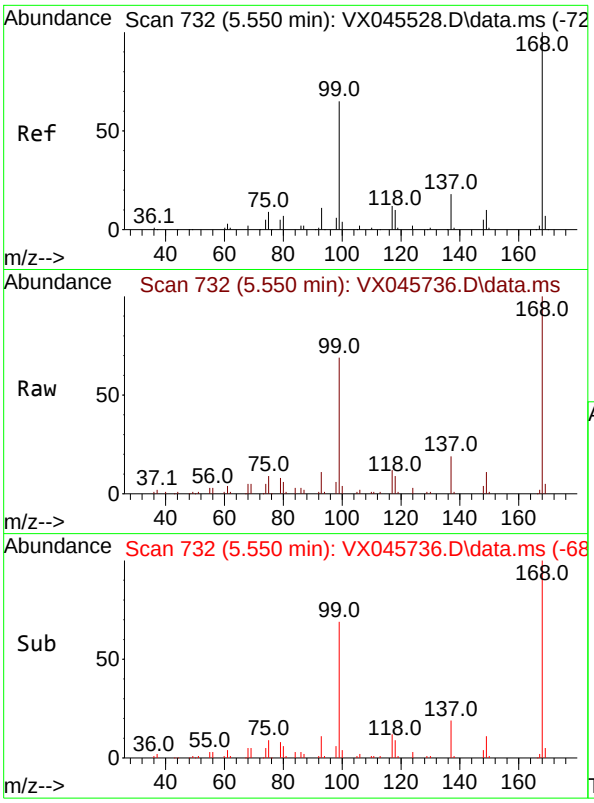
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Quant Time: Apr 11 23:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



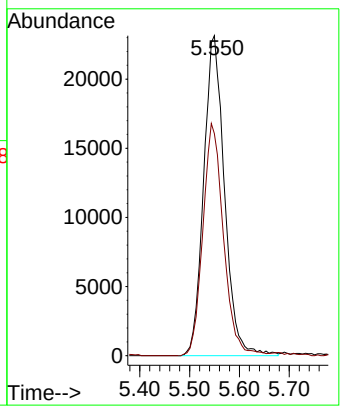


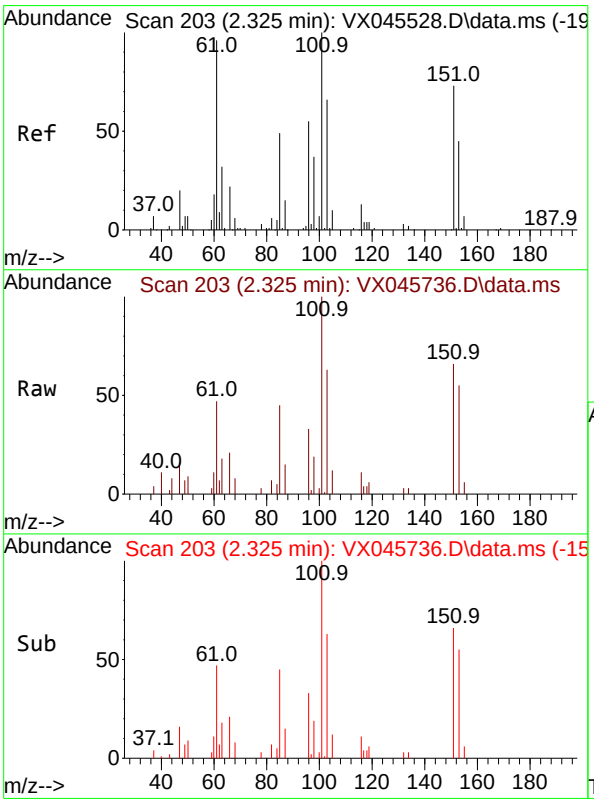
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion:168 Resp: 67136

Ion	Ratio	Lower	Upper
168	100		
99	69.4	52.3	78.5

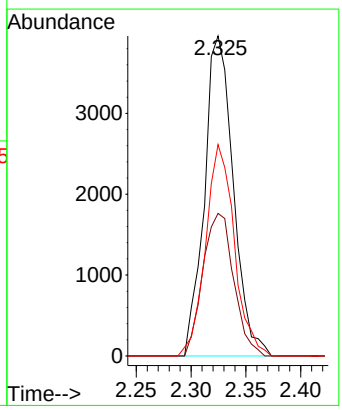


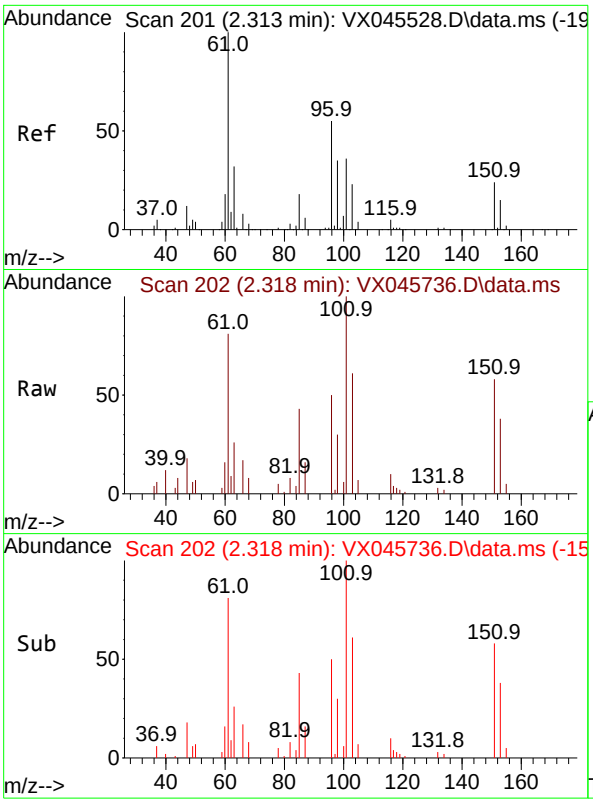


#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.784 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion:101 Resp: 7245

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.9	58.3
151	65.6	57.5	86.3



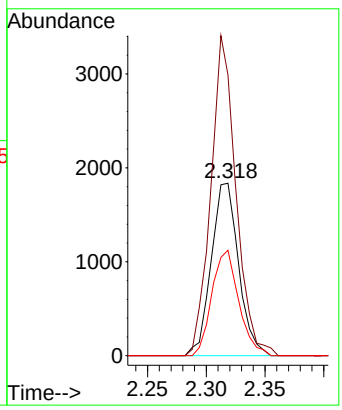


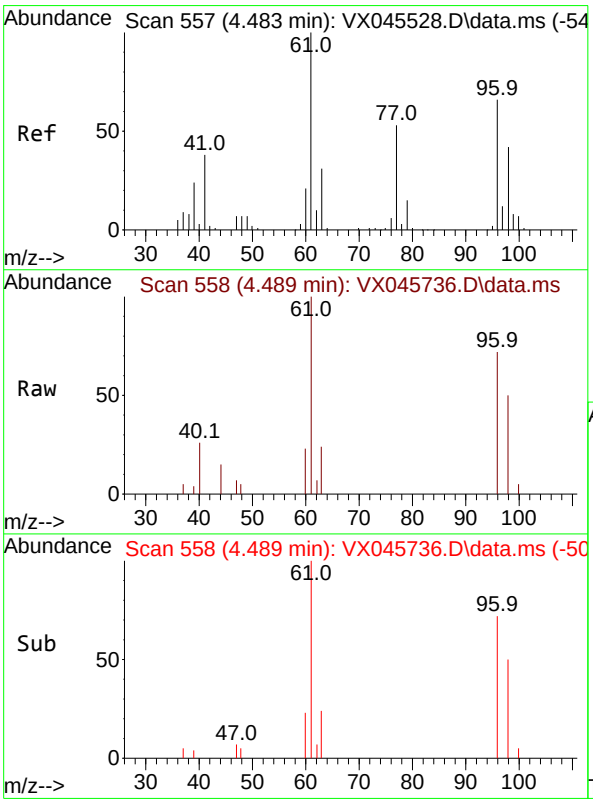
#12
1,1-Dichloroethene
Concen: 3.690 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion: 96 Resp: 2974

Ion	Ratio	Lower	Upper
96	100		
61	162.8	145.7	218.5
98	61.1	51.6	77.4

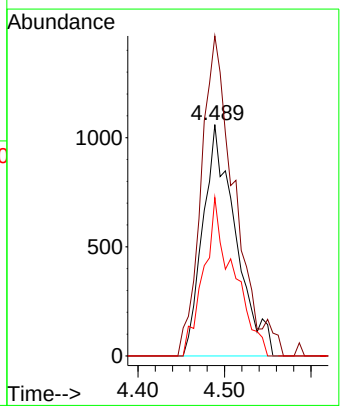


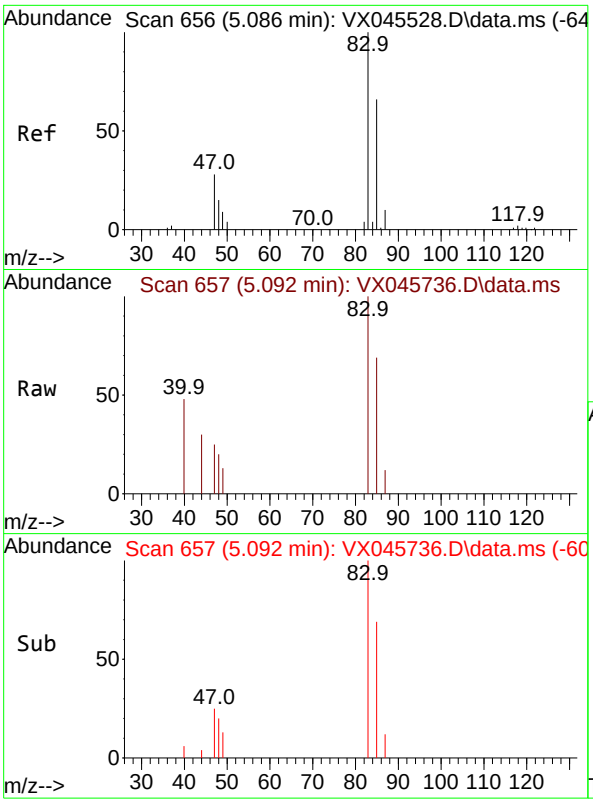


#27
cis-1,2-Dichloroethene
Concen: 2.768 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion: 96 Resp: 2777

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	313.2
98	62.5	0.0	126.4



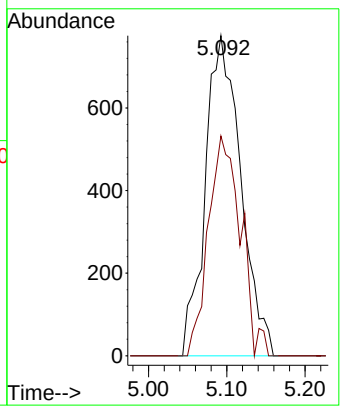


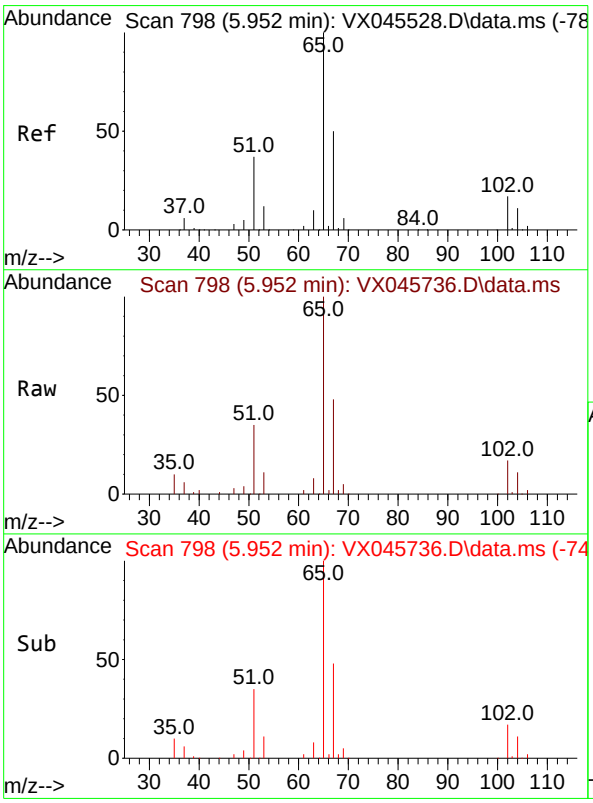
#30
Chloroform
Concen: 1.394 ug/l
RT: 5.092 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion: 83 Resp: 2443

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.8	79.2

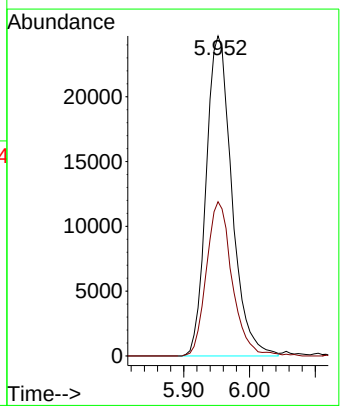


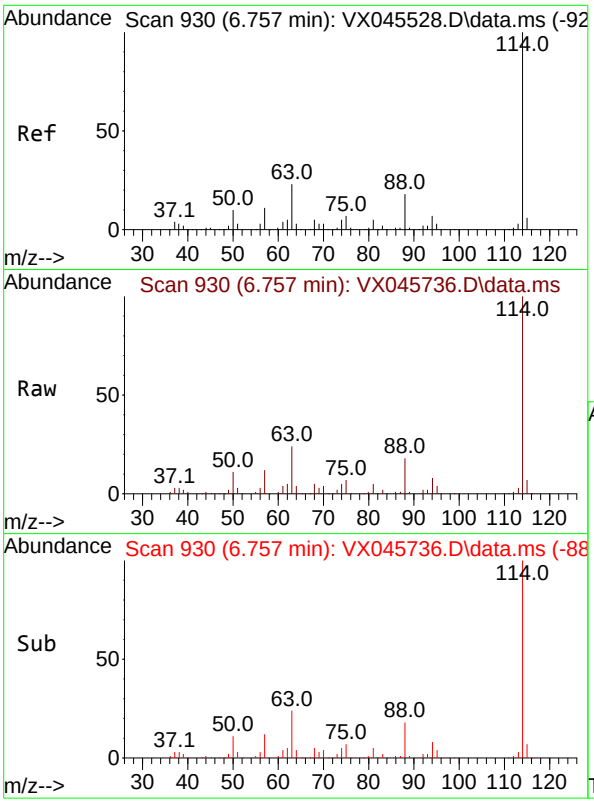


#33
1,2-Dichloroethane-d4
Concen: 54.454 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion: 65 Resp: 66855

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0



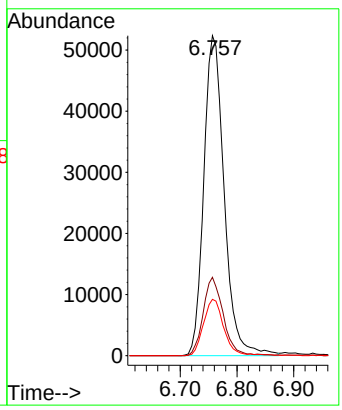


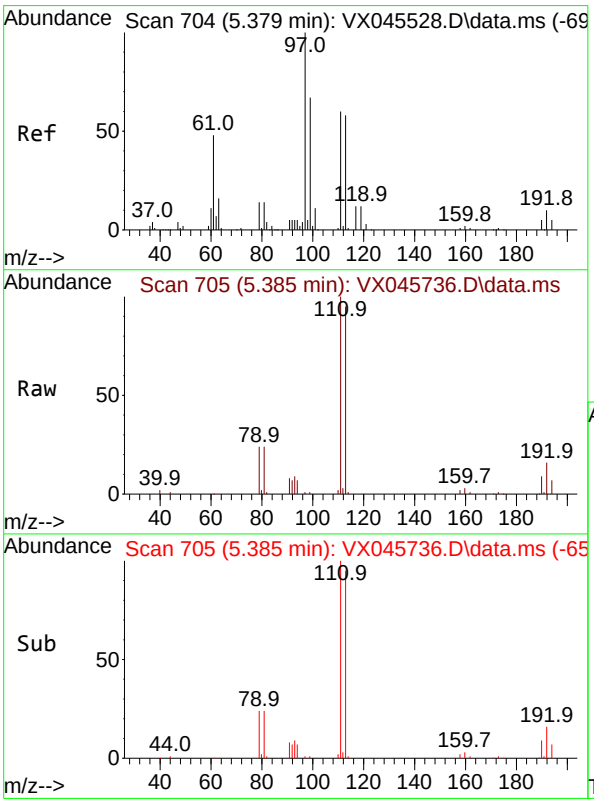
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion:114 Resp: 131053

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.8
88	17.6	0.0	35.4

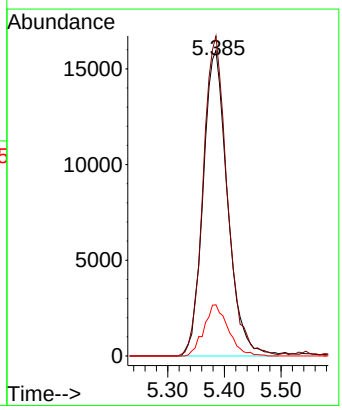


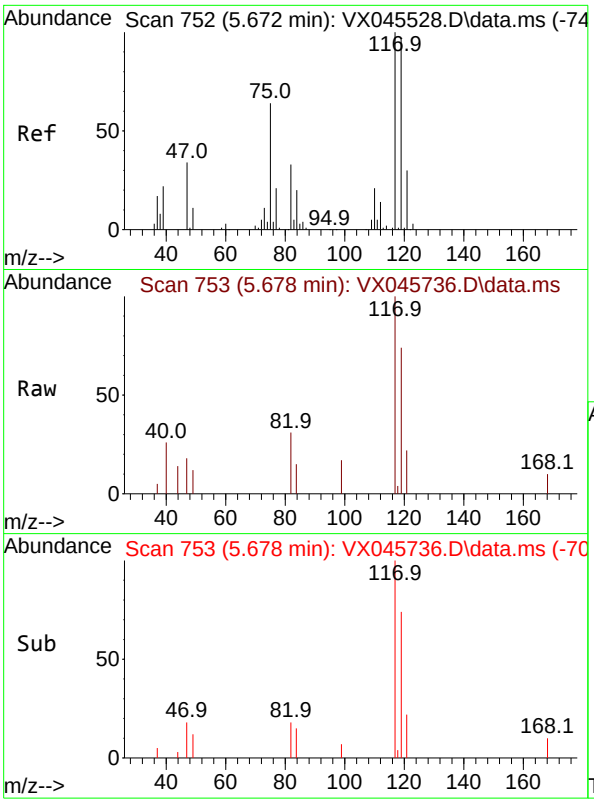


#35
Dibromofluoromethane
Concen: 51.342 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion:113 Resp: 47739

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.7	13.8	20.6



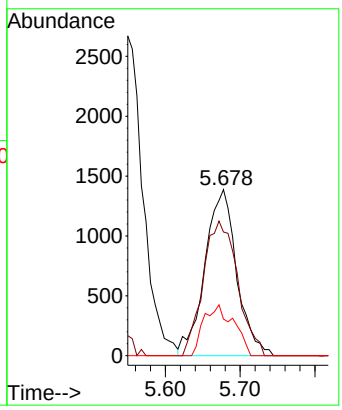


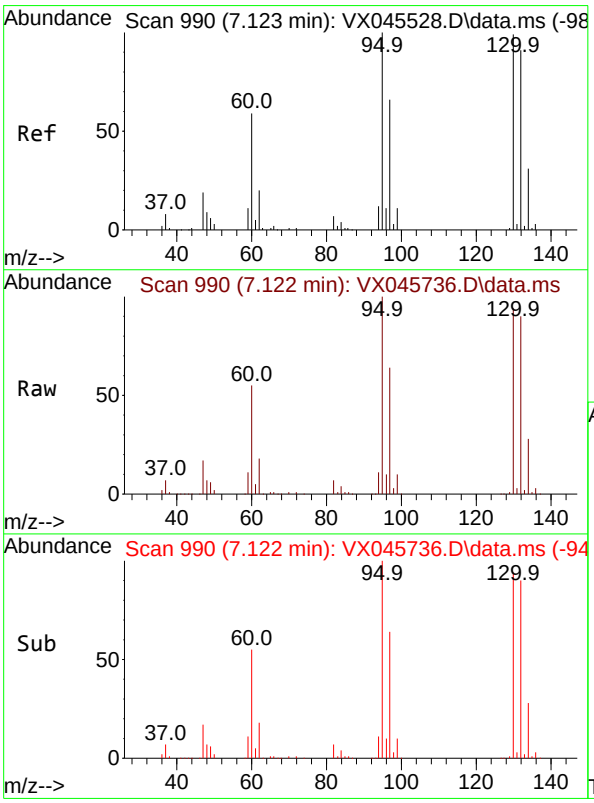
#38
Carbon Tetrachloride
Concen: 3.028 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion:117 Resp: 4109

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.9	115.3#
121	22.1	24.2	36.2#

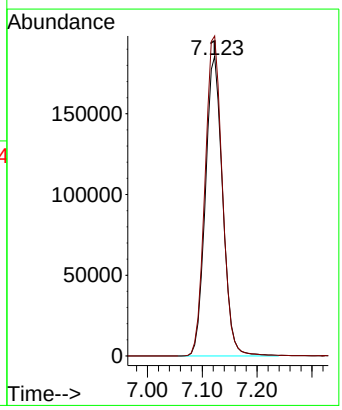


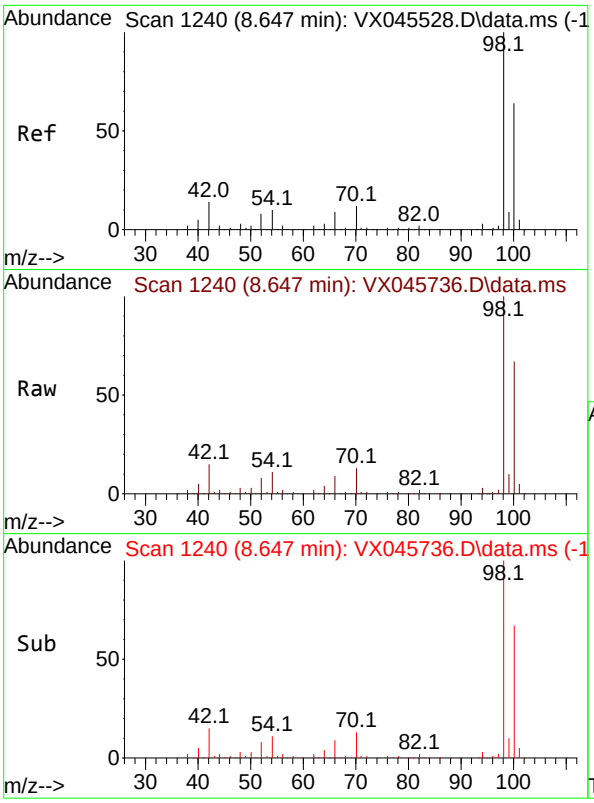


#44
Trichloroethene
Concen: 443.842 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion:130 Resp: 404492

Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	202.0



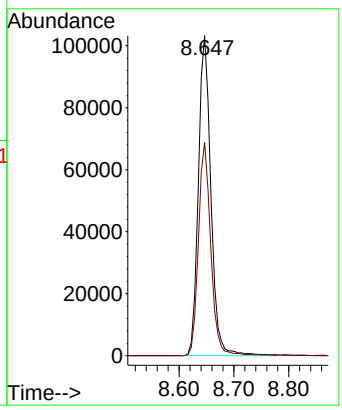


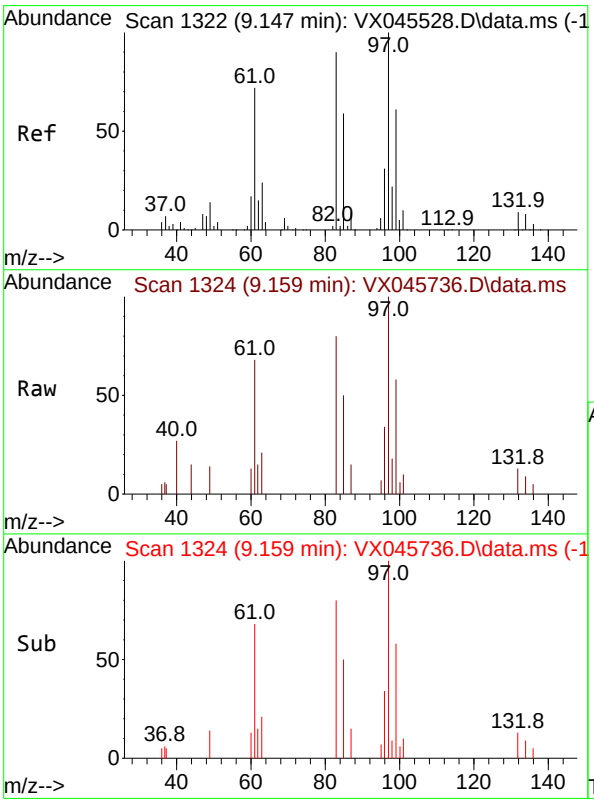
#50
Toluene-d8
Concen: 50.659 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion: 98 Resp: 164412

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4

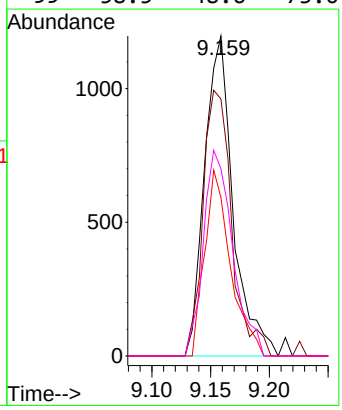


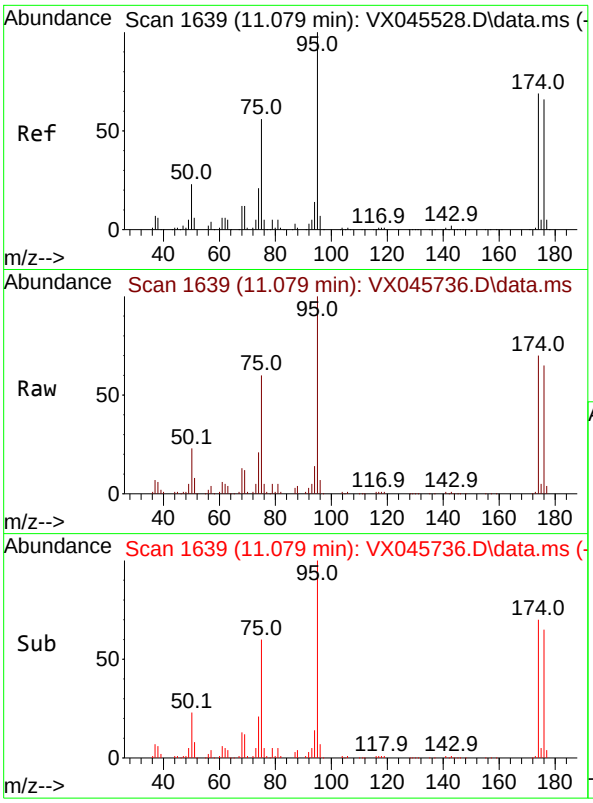


#55
1,1,2-Trichloroethane
Concen: 2.188 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion: 97 Resp: 2023

Ion	Ratio	Lower	Upper
97	100		
83	80.3	71.8	107.8
85	49.5	47.0	70.6
99	58.5	48.6	73.0



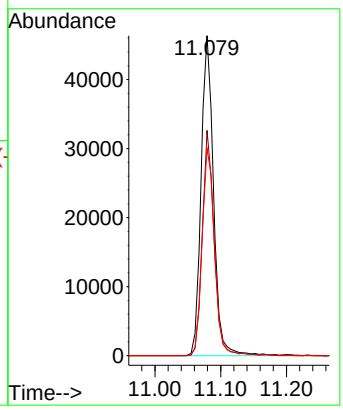


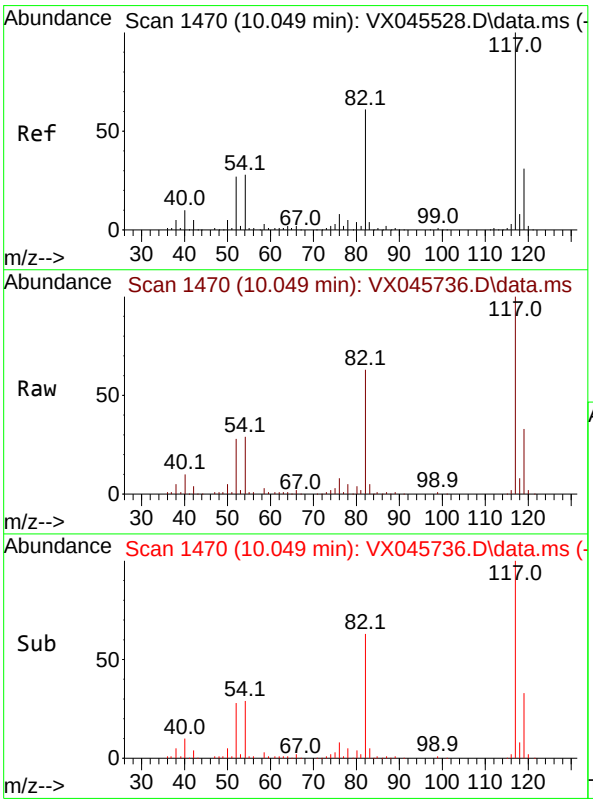
#62
4-Bromofluorobenzene
Concen: 51.670 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion: 95 Resp: 61082

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.7	0.0	131.4

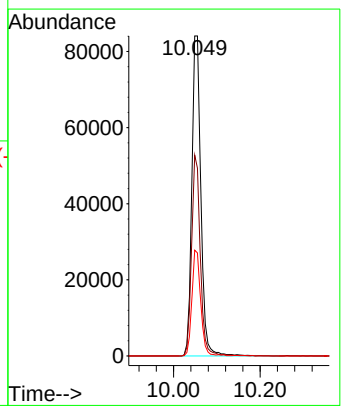


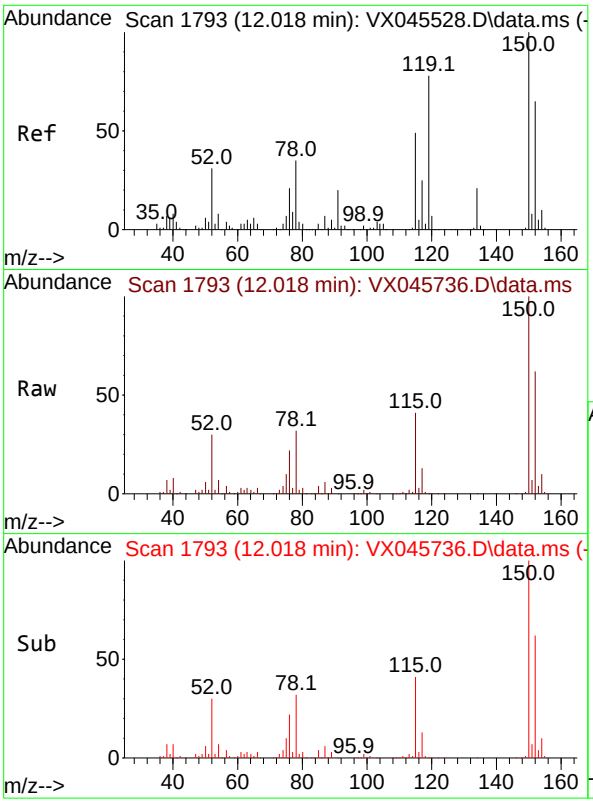


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Tgt Ion:117 Resp: 122019

Ion	Ratio	Lower	Upper
117	100		
82	62.7	49.2	73.8
119	33.1	25.1	37.7



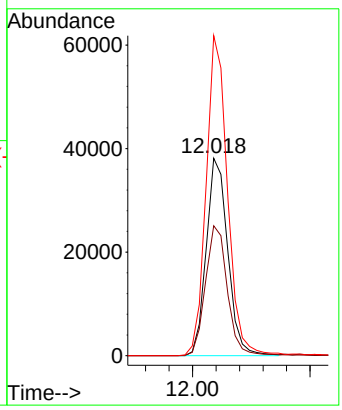


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045736.D
Acq: 11 Apr 2025 13:08

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Tgt Ion:152 Resp: 48475

Ion	Ratio	Lower	Upper
152	100		
115	67.3	46.9	140.7
150	161.6	0.0	349.4



Sample Results: **VX045736.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

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_X\Method\82X040225W.M
Title : SW846 8260

Signal : TIC: VX045736.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.318	196	202	217	rVB2	24612	50148	2.01%	1.009%
2	5.379	694	704	721	rBV	54850	165572	6.64%	3.332%
3	5.544	721	731	743	rVV	77541	224335	9.00%	4.515%
4	5.952	789	798	814	rBV	66780	176590	7.08%	3.554%
5	6.757	921	930	951	rBV	138064	337801	13.54%	6.799%
6	7.123	980	990	1013	rBV	1130462	2493934	100.00%	50.196%
7	8.647	1233	1240	1255	rBV	290320	464206	18.61%	9.343%
8	10.049	1465	1470	1487	rBV	293021	415391	16.66%	8.361%
9	11.079	1634	1639	1658	rBV	233923	300580	12.05%	6.050%
10	12.018	1788	1793	1803	rBV	269978	339855	13.63%	6.840%

Sum of corrected areas: 4968412

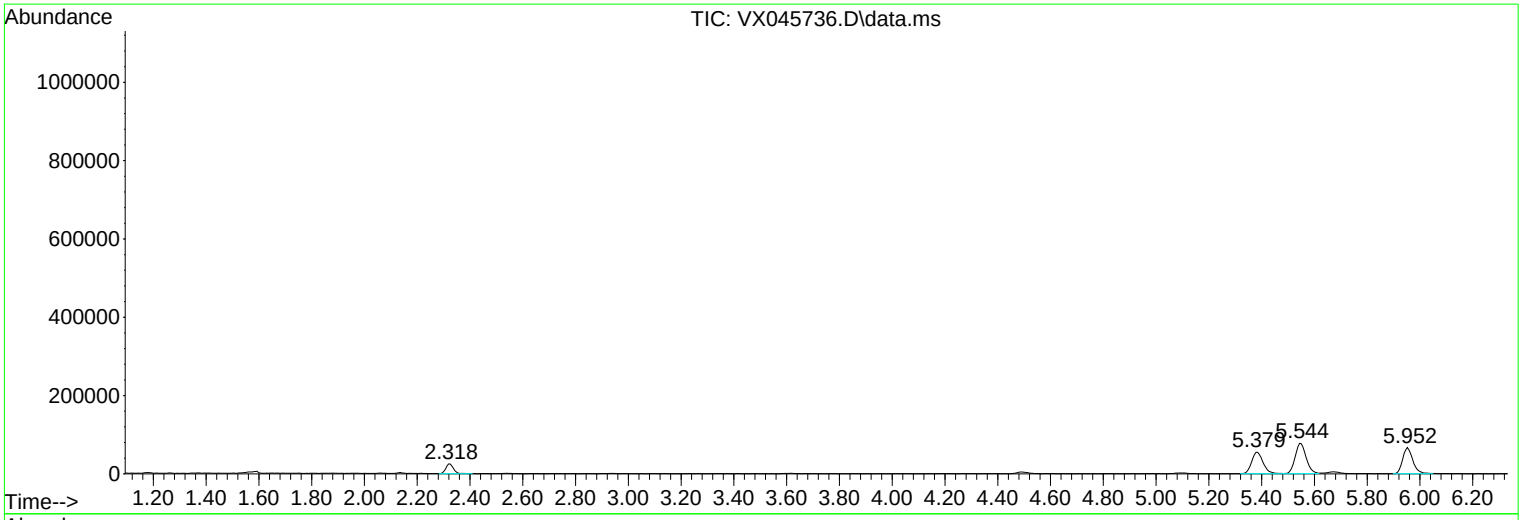
Sample Results: **VX045736.D**

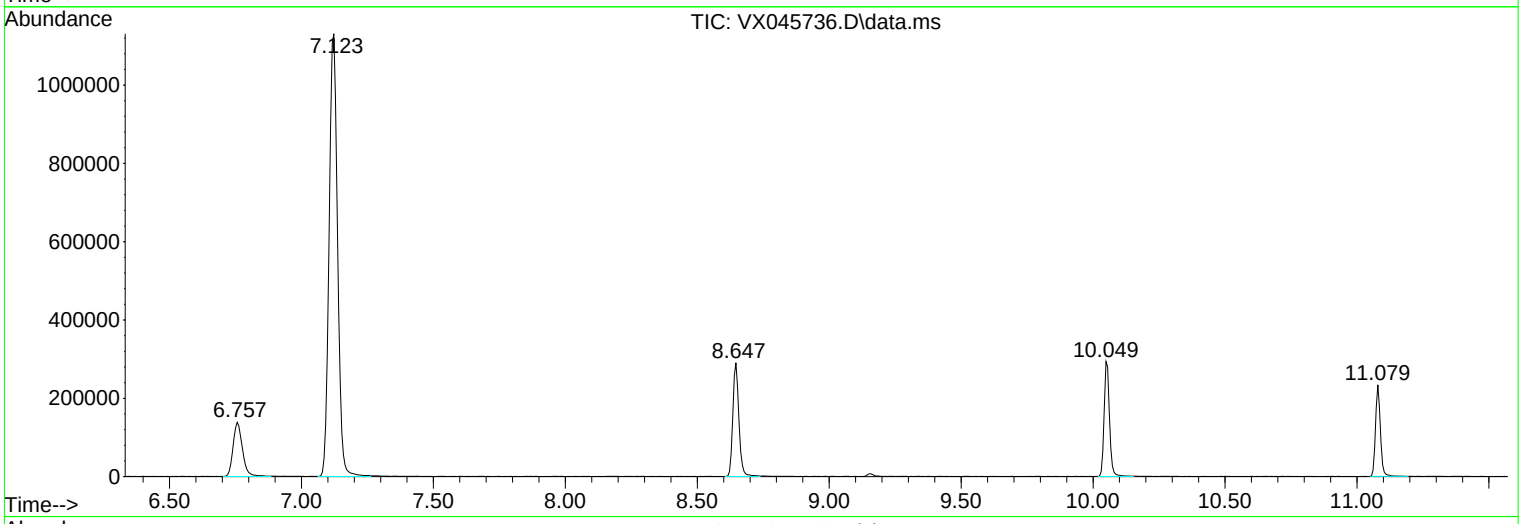
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

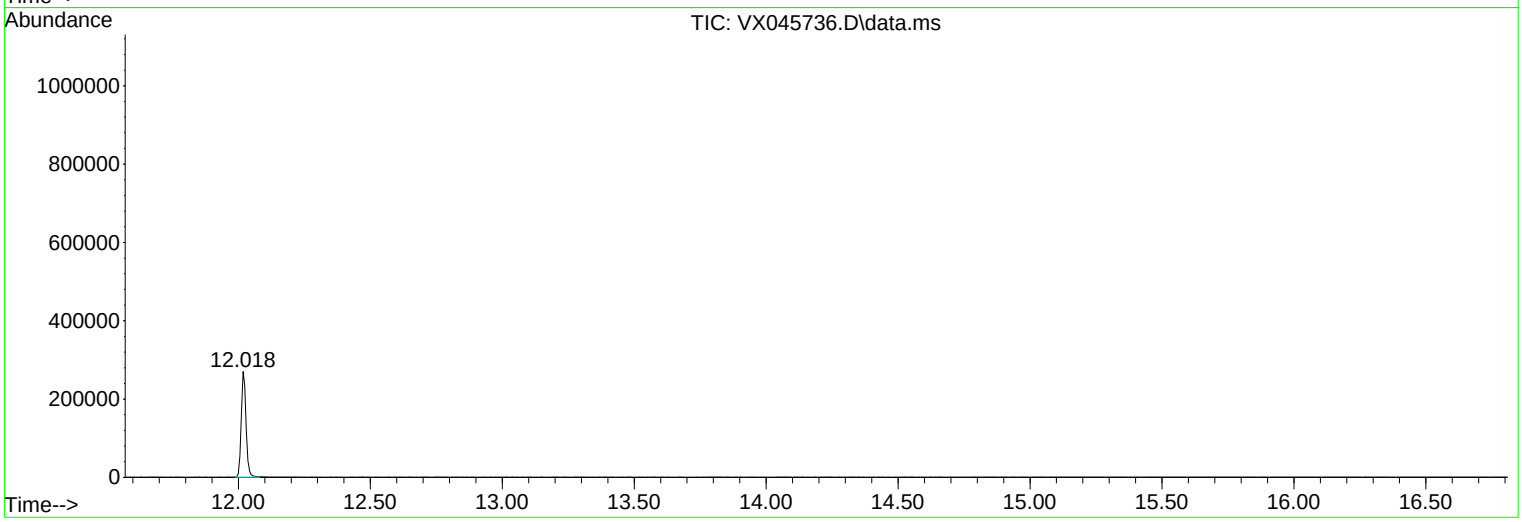
Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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_X\Data\VX041125\
Data File : VX045736.D
Acq On : 11 Apr 2025 13:08
Operator : JC/MD
Sample : Q1773-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D1-GW-20250409DL	SDG No.:	Q1773
Lab Sample ID:	Q1773-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045746.D	10		04/11/25 17:00	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	8.40	JD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	JD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	1.90	7.50	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	420	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	BP-TT190D1-GW-20250409DL	SDG No.:	Q1773
Lab Sample ID:	Q1773-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045746.D	10		04/11/25 17:00	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66500	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49100	12.018				

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_X\Data\VX041125\
Data File : VX045746.D
Acq On : 11 Apr 2025 17:00
Operator : JC/MD
Sample : Q1773-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Quant Time: Apr 12 02:49:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

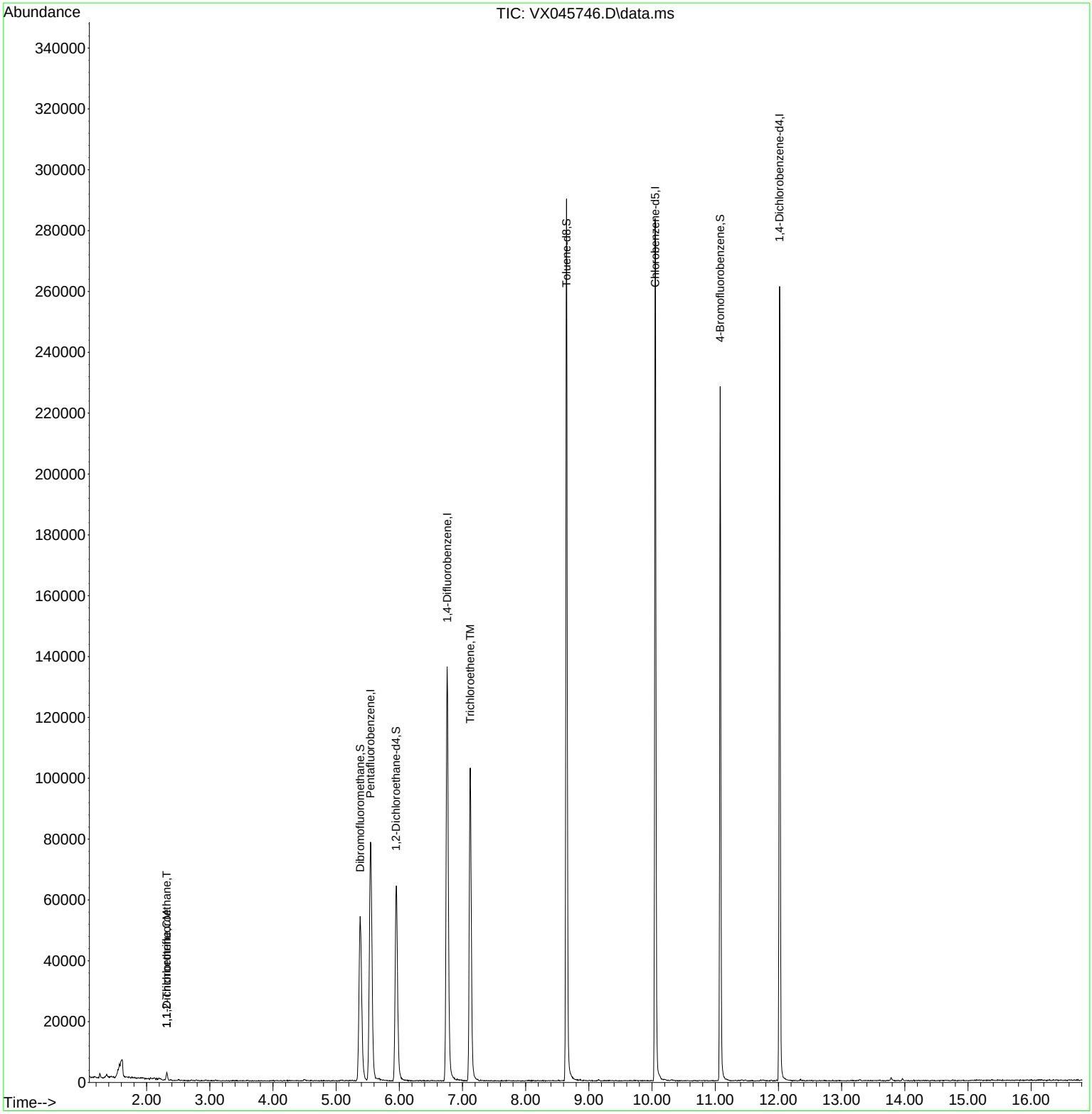
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65219	53.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.240%			
35) Dibromofluoromethane	5.379	113	47248	51.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	8.647	98	161182	50.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.400%			
62) 4-Bromofluorobenzene	11.079	95	59940	51.250	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.500%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	685	0.838	ug/l	91
12) 1,1-Dichloroethene	2.319	96	301	0.377	ug/l #	74
44) Trichloroethene	7.123	130	38049	42.200	ug/l	96

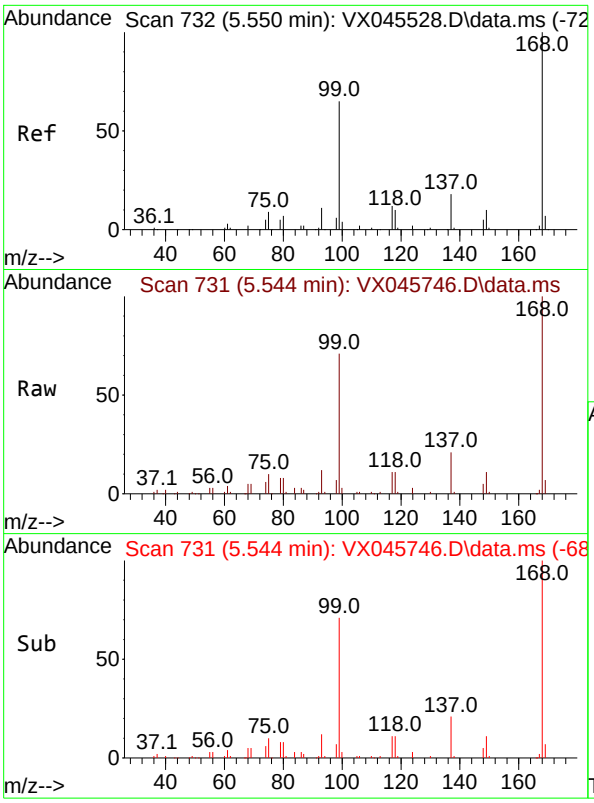
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045746.D
Acq On : 11 Apr 2025 17:00
Operator : JC/MD
Sample : Q1773-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Quant Time: Apr 12 02:49:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



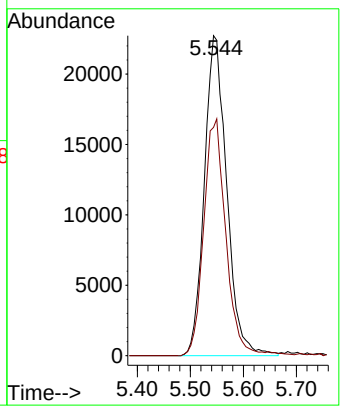


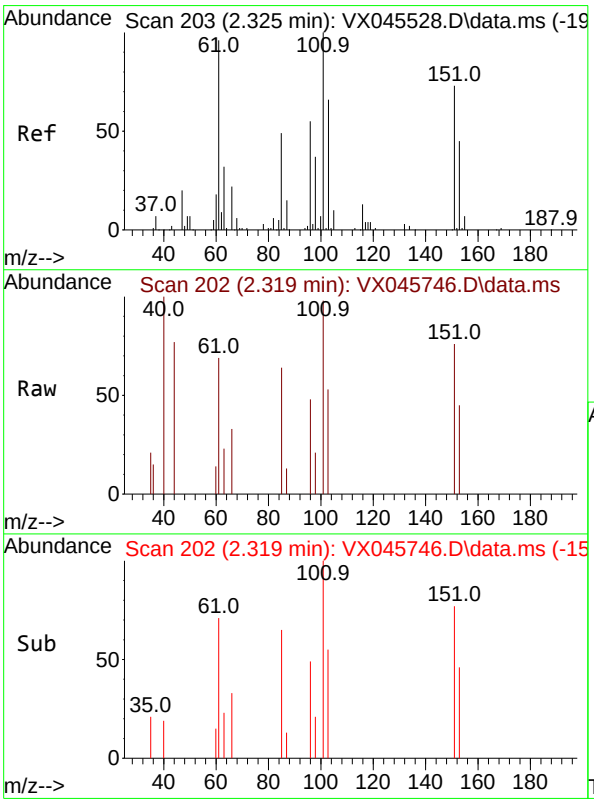
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion:168 Resp: 66514

Ion	Ratio	Lower	Upper
168	100		
99	71.4	52.3	78.5

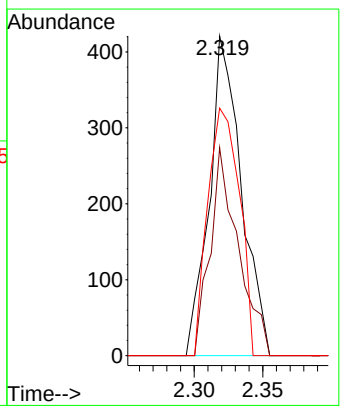


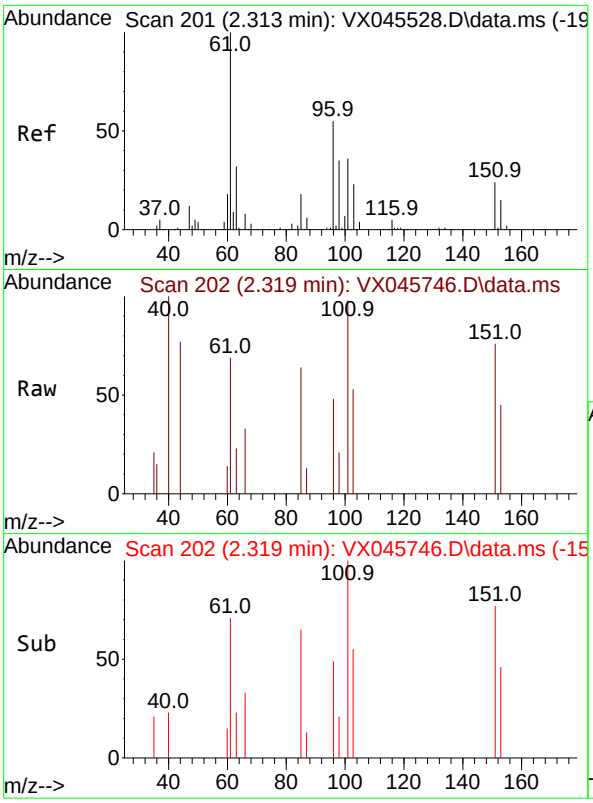


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.838 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Tgt Ion:101 Resp: 685

Ion	Ratio	Lower	Upper
101	100		
85	57.4	38.9	58.3
151	76.5	57.5	86.3



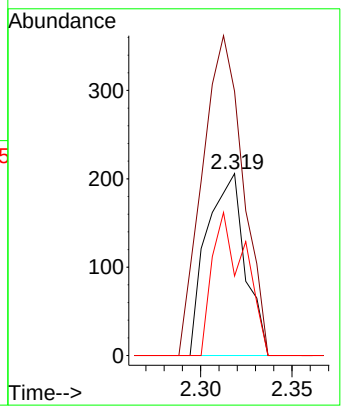


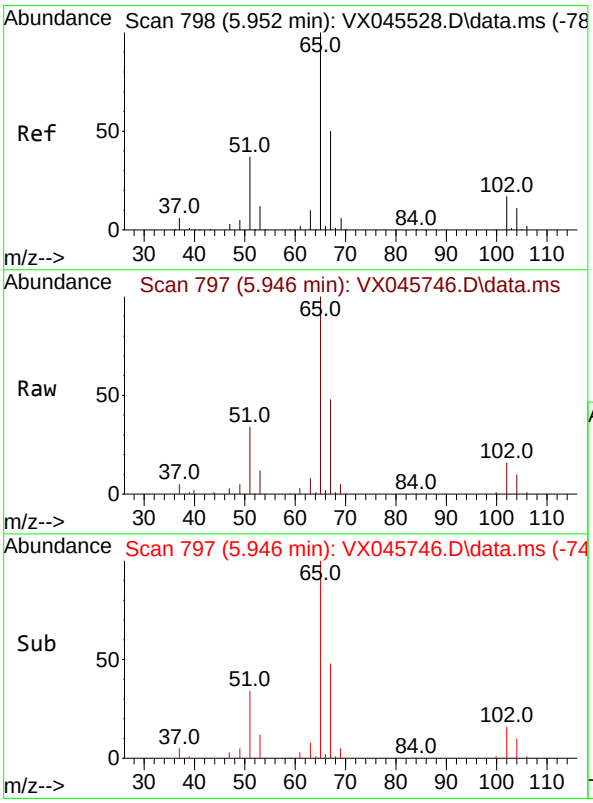
#12
1,1-Dichloroethene
Concen: 0.377 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion: 96 Resp: 301

Ion	Ratio	Lower	Upper
96	100		
61	145.1	145.7	218.5#
98	43.7	51.6	77.4#

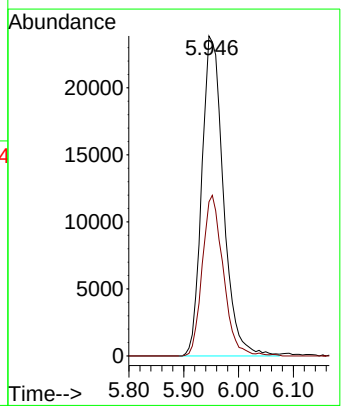


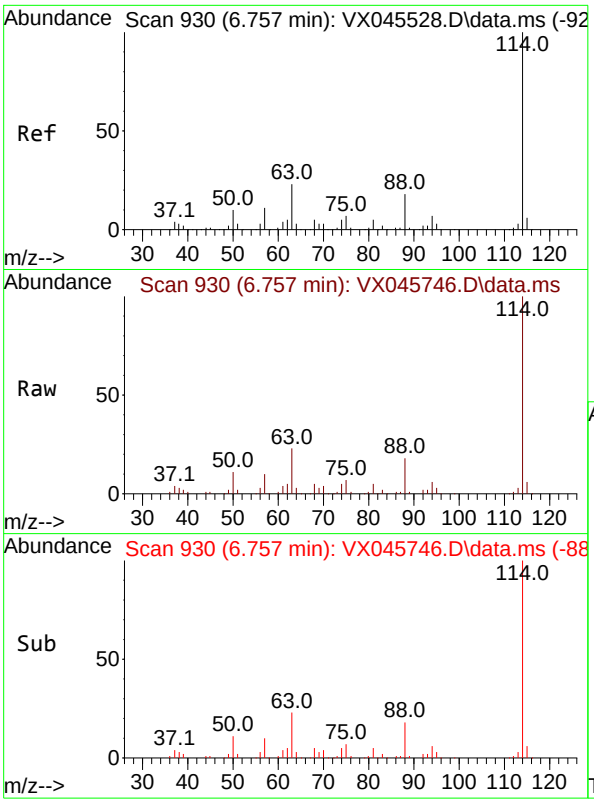


#33
1,2-Dichloroethane-d4
Concen: 53.618 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Tgt Ion: 65 Resp: 65219

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0



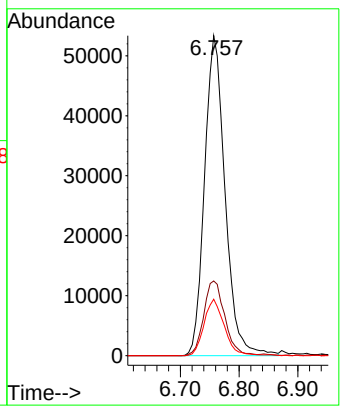


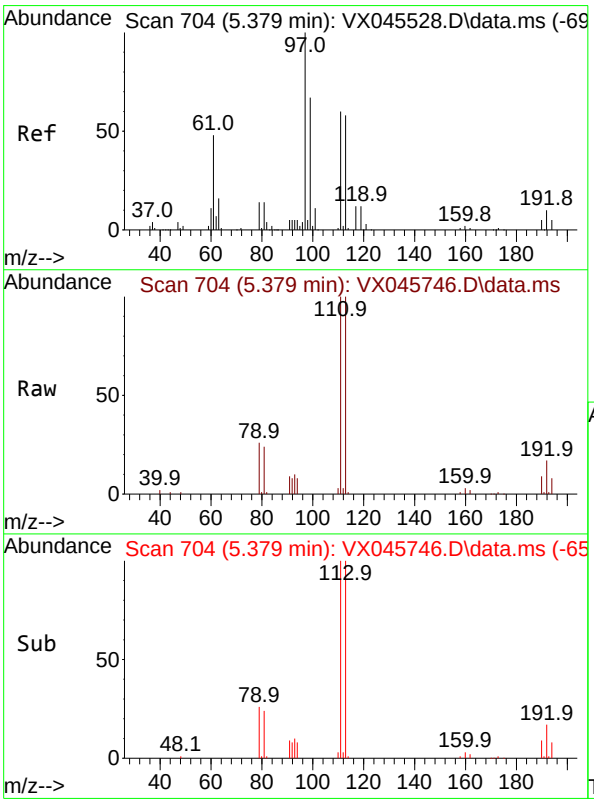
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion:114 Resp: 129658

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.8
88	17.7	0.0	35.4

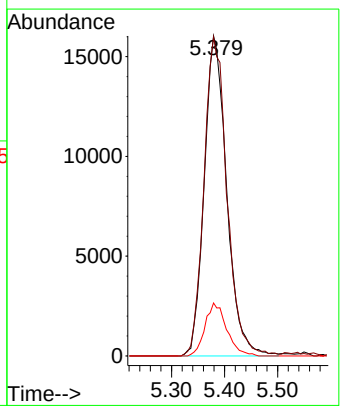


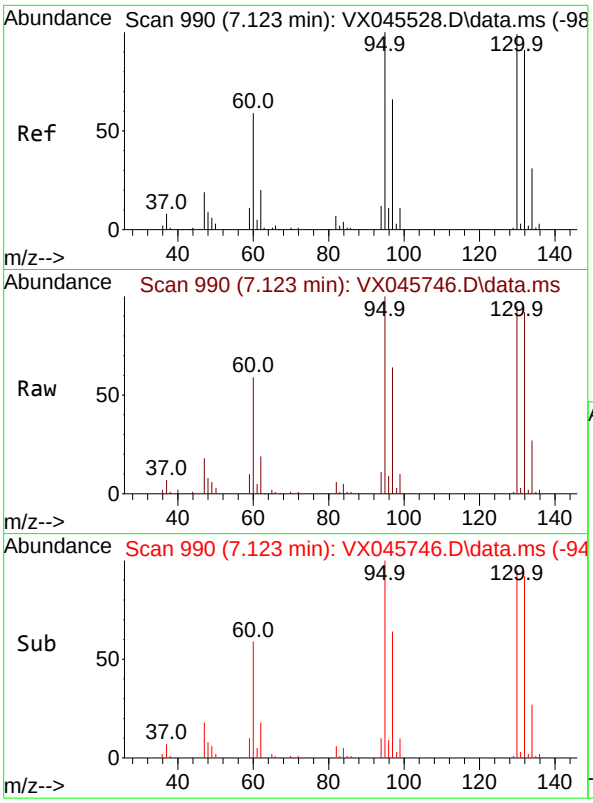


#35
Dibromofluoromethane
Concen: 51.361 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Tgt Ion:113 Resp: 47248

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	15.9	13.8	20.6



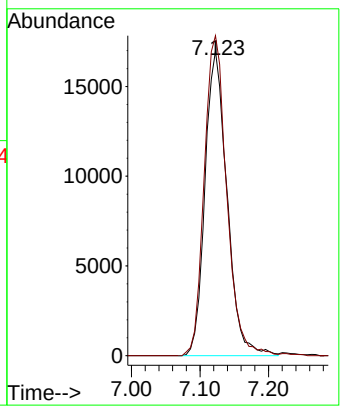


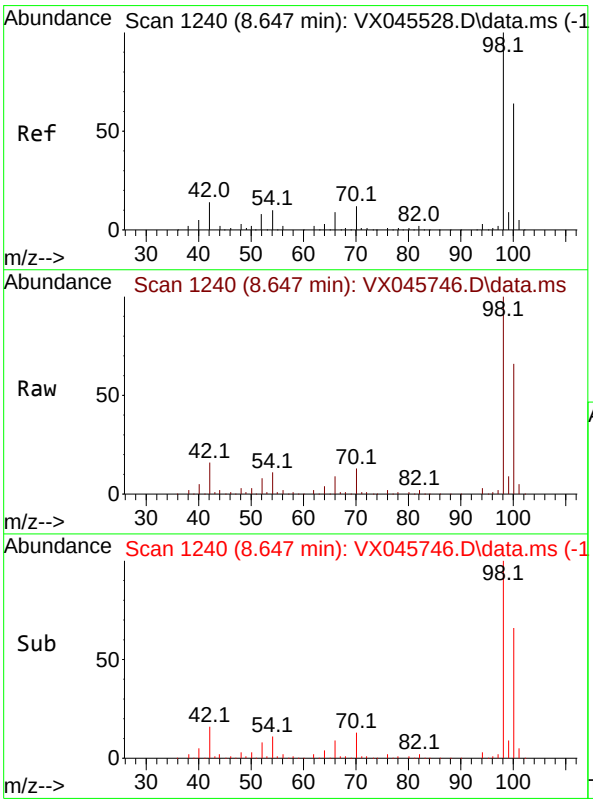
#44
Trichloroethene
Concen: 42.200 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion:130 Resp: 38049

Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	202.0

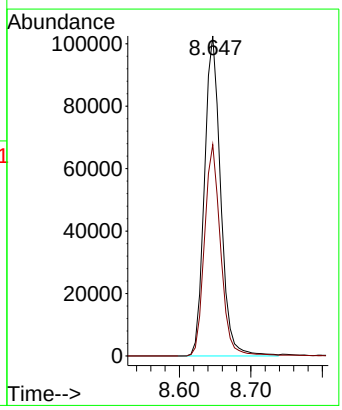


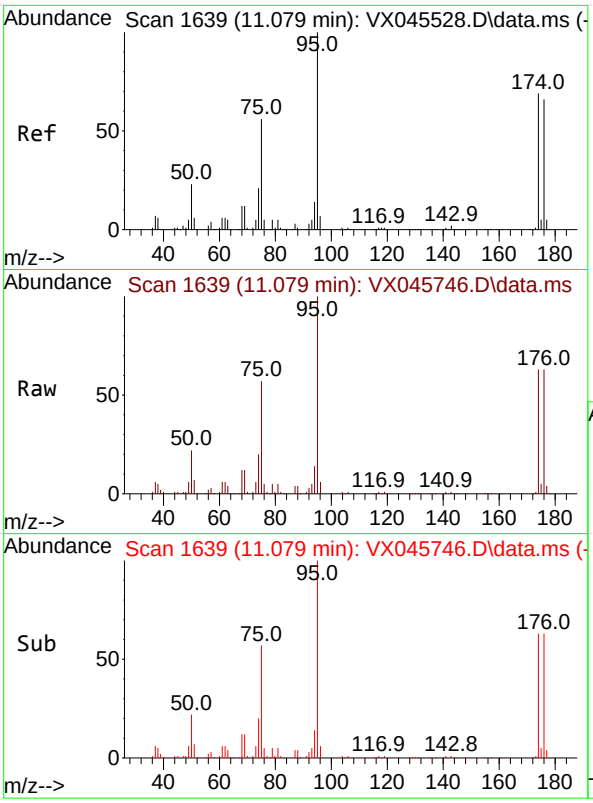


#50
Toluene-d8
Concen: 50.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Tgt Ion: 98 Resp: 161182

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



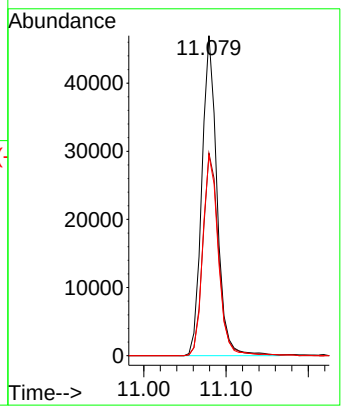


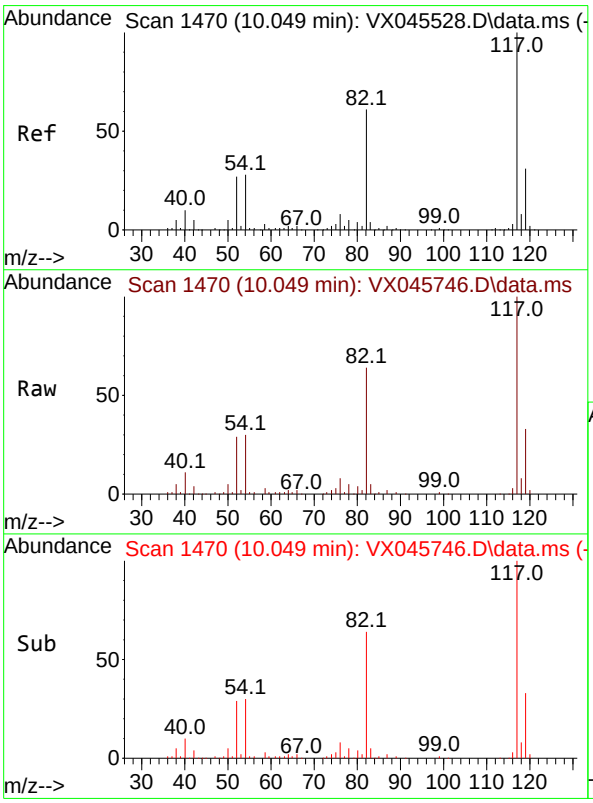
#62
4-Bromofluorobenzene
Concen: 51.250 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion: 95 Resp: 59940

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	135.8
176	64.6	0.0	131.4

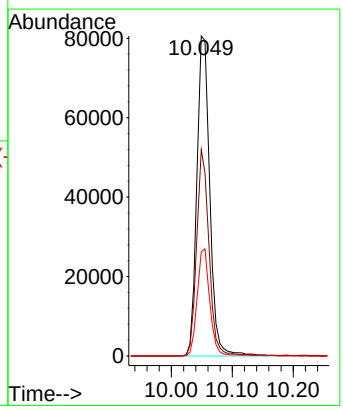


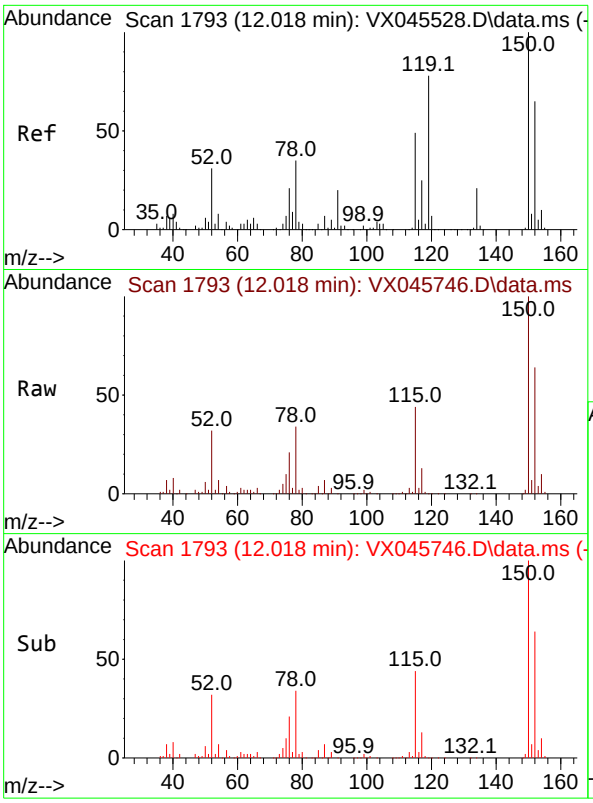


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Tgt Ion:117 Resp: 118906

Ion	Ratio	Lower	Upper
117	100		
82	64.5	49.2	73.8
119	32.5	25.1	37.7



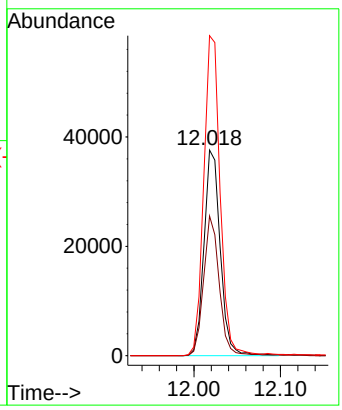


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045746.D
Acq: 11 Apr 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT190D1-GW-20250409DL

Tgt Ion:152 Resp: 49147

Ion	Ratio	Lower	Upper
152	100		
115	65.4	46.9	140.7
150	156.5	0.0	349.4



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.764	0.734	0.777	0.784	0.815	0.734	0.768	4.1
Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.4
Bromomethane		0.342	0.327	0.330	0.341	0.327	0.333	2.2
Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.3
Trichlorofluoromethane	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.2
1,1,2-Trichlorotrifluoroethane	0.575	0.599	0.635	0.621	0.621	0.634	0.614	3.7
1,1-Dichloroethene	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.5
Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.3
Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.2
Methyl tert-butyl Ether	1.915	1.964	2.169	2.118	2.217	2.216	2.100	6.2
Methylene Chloride	0.692	0.695	0.726	0.709	0.705	0.690	0.703	2
trans-1,2-Dichloroethene	0.574	0.594	0.636	0.624	0.621	0.630	0.613	3.9
1,1-Dichloroethane	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3
2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.5
Carbon Tetrachloride	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.5
cis-1,2-Dichloroethene	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.4
Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.6
1,1,1-Trichloroethane	1.028	1.052	1.120	1.109	1.153	1.167	1.105	5
Methylcyclohexane	0.519	0.527	0.596	0.622	0.628	0.632	0.587	8.8
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8
1,2-Dichloroethane	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.7
Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.7
1,2-Dichloropropane	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.8
Bromodichloromethane	0.521	0.519	0.576	0.572	0.587	0.583	0.560	5.6
4-Methyl-2-Pentanone	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.6
Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.8
t-1,3-Dichloropropene	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.3
cis-1,3-Dichloropropene	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.9
1,1,2-Trichloroethane	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.1
2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.1

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.1
Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.5
Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.8
Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.9
m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.9
o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.2
Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.8
Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.1
Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.2
1,1,2,2-Tetrachloroethane	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.4
1,3-Dichlorobenzene	1.658	1.605	1.726	1.699	1.714	1.706	1.684	2.7
1,4-Dichlorobenzene	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.1
1,2-Dichlorobenzene	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.3
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	5.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025
Response Via : Initial Calibration

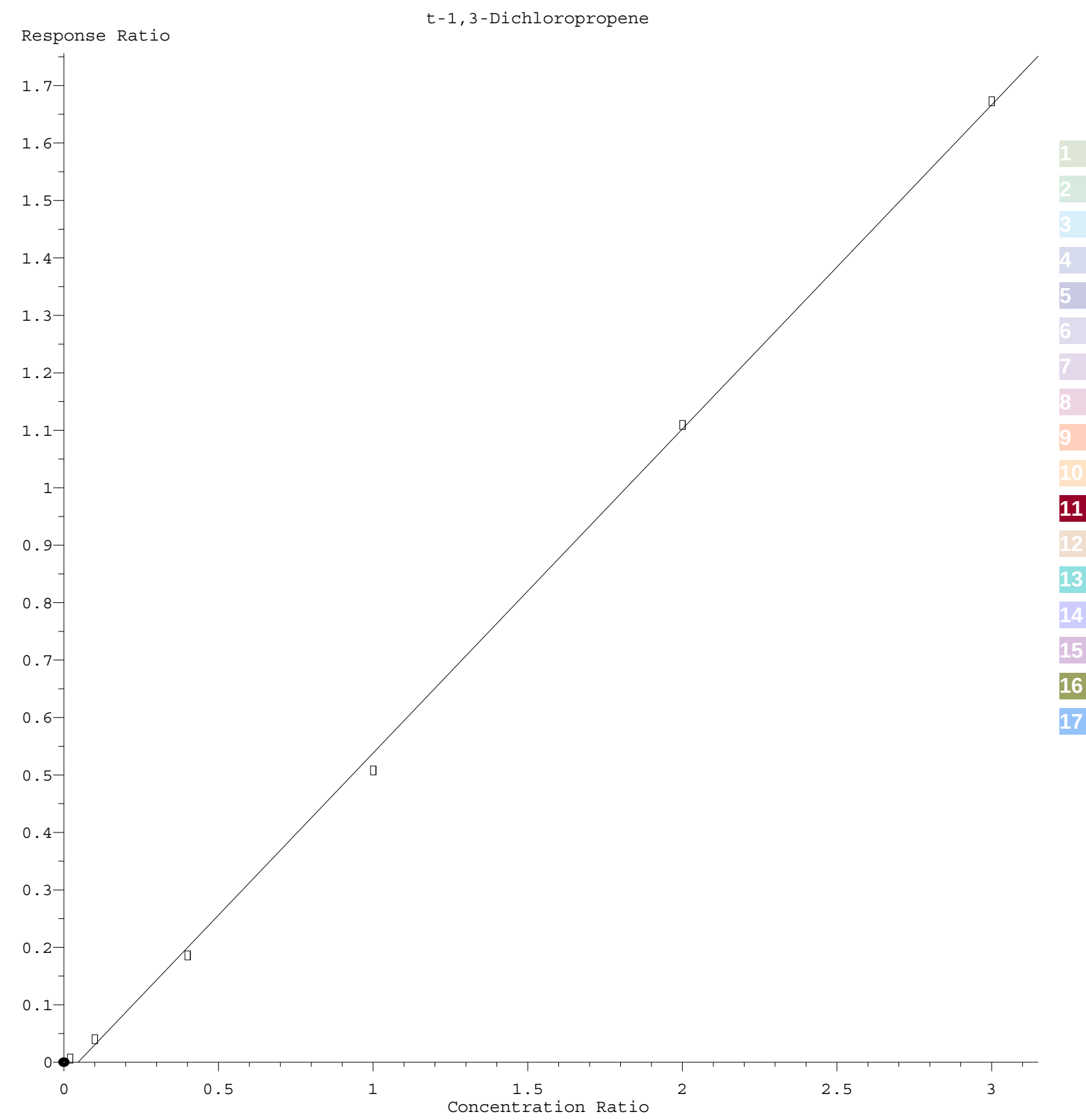
Calibration Files
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		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluo...	0.615	0.695	0.700	0.820	0.837	0.820	0.748	12.13
3)	P	Chloromethane	0.764	0.734	0.777	0.784	0.815	0.734	0.768	4.05
4)	C	Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.43#
5)	T	Bromomethane		0.342	0.327	0.330	0.341	0.327	0.333	2.20
6)	T	Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.27
7)	T	Trichlorofluor...	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.22
8)	T	Diethyl Ether	0.345	0.340	0.356	0.355	0.358	0.357	0.352	2.11
9)	T	1,1,2-Trichlor...	0.575	0.599	0.635	0.621	0.621	0.634	0.614	3.74
10)	T	Methyl Iodide		0.705	0.789	0.799	0.788	0.750	0.766	5.08
11)	T	Tert butyl alc...		0.111	0.124	0.127	0.128	0.124	0.123	5.44
12)	CM	1,1-Dichloroet...	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.51#
13)	T	Acrolein		0.176	0.161	0.167	0.170	0.172	0.169	3.41
14)	T	Allyl chloride	1.092	1.068	1.142	1.172	1.199	1.160	1.139	4.36
15)	T	Acrylonitrile	0.356	0.382	0.413	0.407	0.394	0.376	0.388	5.38
16)	T	Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.28
17)	T	Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.24
18)	T	Methyl Acetate	0.901	0.863	0.864	0.857	0.855	0.846	0.864	2.22
19)	T	Methyl tert-bu...	1.915	1.964	2.169	2.118	2.217	2.216	2.100	6.20
20)	T	Methylene Chlo...	0.692	0.695	0.726	0.709	0.705	0.690	0.703	1.96
21)	T	trans-1,2-Dich...	0.574	0.594	0.636	0.624	0.621	0.630	0.613	3.94
22)	T	Diisopropyl ether	2.003	2.120	2.329	2.293	2.359	2.357	2.243	6.59
23)	T	Vinyl Acetate	1.542	1.693	2.005	2.087	2.147	2.156	1.938	13.34
24)	P	1,1-Dichloroet...	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3.01
25)	T	2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.55
26)	T	2,2-Dichloropr...	0.676	0.757	0.802	0.847	0.903	0.933	0.820	11.67
27)	T	cis-1,2-Dichlo...	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.43
28)	T	Bromochloromet...	0.671	0.608	0.617	0.596	0.610	0.576	0.613	5.18
29)	T	Tetrahydrofuran	0.339	0.341	0.371	0.371	0.364	0.352	0.356	4.05
30)	C	Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.60#
31)	T	Cyclohexane		1.044	1.148	1.123	1.145	1.149	1.122	4.00
32)	T	1,1,1-Trichlor...	1.028	1.052	1.120	1.109	1.153	1.167	1.105	4.96
33)	S	1,2-Dichloroet...		0.962	0.900	0.868	0.904	0.937	0.914	3.94
34)	I	1,4-Difluorobenzene	----------	ISTD	----------					
35)	S	Dibromofluorom...		0.372	0.342	0.345	0.353	0.362	0.355	3.48
36)	T	1,1-Dichloropr...	0.477	0.443	0.474	0.485	0.496	0.499	0.479	4.26
37)	T	Ethyl Acetate	0.582	0.565	0.609	0.623	0.629	0.614	0.604	4.15
38)	T	Carbon Tetrach...	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.49
39)	T	Methylcyclohexane	0.519	0.527	0.596	0.622	0.628	0.632	0.587	8.76
40)	TM	Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.81
41)	T	Methacrylonitrile	0.252	0.276	0.338	0.351	0.350	0.343	0.318	13.52
42)	TM	1,2-Dichloroet...	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.72
43)	T	Isopropyl Acetate	0.735	0.831	0.952	0.978	1.002	0.991	0.915	11.77
44)	TM	Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.67
45)	C	1,2-Dichloropr...	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.83#
46)	T	Dibromomethane	0.237	0.287	0.297	0.292	0.286	0.282	0.280	7.76
47)	T	Bromodichlorom...	0.521	0.519	0.576	0.571	0.587	0.583	0.560	5.56
48)	T	Methyl methacr...	0.405	0.416	0.486	0.508	0.518	0.502	0.472	10.44
49)	T	1,4-Dioxane	0.007	0.010	0.009	0.009	0.009	0.008	0.009	13.93
50)	S	Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.50
51)	T	4-Methyl-2-Pen...	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.57
52)	CM	Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.79#
53)	T	t-1,3-Dichloro...	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.27
54)	T	cis-1,3-Dichlo...	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.88
55)	T	1,1,2-Trichlor...	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.11
56)	T	Ethyl methacry...	0.407	0.482	0.562	0.600	0.629	0.595	0.546	15.54

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X040225W.M

57)	T	1,3-Dichloropr...	0.555	0.614	0.652	0.633	0.630	0.601	0.614	5.49
58)	T	2-Chloroethyl ...	0.221	0.257	0.286	0.298	0.301	0.293	0.276	11.26
59)	T	2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.14
60)	T	Dibromochlorom...	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.06
61)	T	1,2-Dibromoethane	0.294	0.351	0.380	0.373	0.380	0.364	0.357	9.12
62)	S	4-Bromofluorob...		0.413	0.448	0.453	0.481	0.460	0.451	5.45
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.47
65)	PM	Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.83
66)	T	1,1,1,2-Tetrac...	0.368	0.344	0.372	0.373	0.379	0.390	0.371	4.18
67)	C	Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.89#
68)	T	m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.92
69)	T	o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.17
70)	T	Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.82
71)	P	Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.07
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.17
74)	T	N-amyl acetate	1.442	1.682	1.960	2.058	2.132	2.221	1.916	15.51
75)	P	1,1,2,2-Tetrac...	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.43
76)	T	1,2,3-Trichlor...	1.221	1.257	1.251	1.225	1.192	1.171	1.220	2.71
77)	T	Bromobenzene	0.877	0.927	0.953	0.938	0.925	0.932	0.925	2.77
78)	T	n-propylbenzene	3.734	4.346	5.012	4.896	4.819	4.872	4.613	10.59
79)	T	2-Chlorotoluene	2.894	2.873	3.130	2.966	2.915	2.918	2.949	3.19
80)	T	1,3,5-Trimethy...	2.931	3.119	3.571	3.511	3.367	3.371	3.312	7.35
81)	T	trans-1,4-Dich...		0.274	0.323	0.371	0.401	0.428	0.359	17.16
82)	T	4-Chlorotoluene	2.961	3.156	3.470	3.449	3.350	3.343	3.288	5.93
83)	T	tert-Butylbenzene	2.894	3.124	3.437	3.427	3.387	3.405	3.279	6.78
84)	T	1,2,4-Trimethy...	2.906	3.129	3.529	3.523	3.438	3.420	3.324	7.57
85)	T	sec-Butylbenzene	3.195	3.828	4.316	4.300	4.232	4.292	4.027	11.12
86)	T	p-Isopropyltol...	2.734	3.157	3.515	3.524	3.506	3.484	3.320	9.63
87)	T	1,3-Dichlorobe...	1.658	1.605	1.726	1.699	1.714	1.706	1.684	2.70
88)	T	1,4-Dichlorobe...	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.09
89)	T	n-Butylbenzene	2.117	2.486	2.974	3.160	3.256	3.283	2.879	16.50
90)	T	Hexachloroethane	0.493	0.493	0.556	0.597	0.623	0.661	0.571	12.14
91)	T	1,2-Dichlorobe...	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.34
92)	T	1,2-Dibromo-3-...	0.196	0.260	0.312	0.316	0.333	0.349	0.294	19.37
93)	T	1,2,4-Trichlor...	0.727	0.844	0.948	0.947	1.045	1.083	0.932	14.07
94)	T	Hexachlorobuta...	0.379	0.389	0.401	0.404	0.415	0.422	0.402	4.03
95)	T	Naphthalene	2.544	3.070	3.630	3.722	3.867	3.982	3.469	15.93
96)	T	1,2,3-Trichlor...	0.782	0.916	0.999	1.000	1.063	1.097	0.976	11.63

(#) = Out of Range



Response = 5.639e-001 * Amt - 2.582e-002
Coef of Det (r^2) = 0.999232 Curve Fit: Linear
Method Name: Q:\73-VOCMSZ Group1\compsrv\HPCHEM1\MSVOA X\Method\82X040225W.M
Calibration Table Last Updated: Wed Apr 02 03:11:43 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	96737	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	175266	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	153312	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61114	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	1.167	85	1189	0.822	ug/l		94
3) Chloromethane	1.307	50	1479	0.995	ug/l	#	86
4) Vinyl Chloride	1.374	62	1299	0.955	ug/l		98
6) Chloroethane	1.673	64	732	1.014	ug/l	#	67
7) Trichlorofluoromethane	1.880	101	2034	1.003	ug/l		93
8) Diethyl Ether	2.130	74	668	0.981	ug/l		83
9) 1,1,2-Trichlorotrifluo...	2.325	101	1113	0.936	ug/l		94
12) 1,1-Dichloroethene	2.313	96	1090	0.939	ug/l		95
14) Allyl chloride	2.660	41	2113	0.959	ug/l		93
15) Acrylonitrile	3.075	53	3446	4.592	ug/l		95
16) Acetone	2.380	43	3867	5.323	ug/l		98
17) Carbon Disulfide	2.508	76	2580	0.899	ug/l	#	95
18) Methyl Acetate	2.703	43	1744	1.043	ug/l		91
19) Methyl tert-butyl Ether	3.117	73	3705	0.912	ug/l		92
20) Methylene Chloride	2.782	84	1338	0.984	ug/l		91
21) trans-1,2-Dichloroethene	3.087	96	1111	0.936	ug/l	#	93
22) Diisopropyl ether	3.758	45	3875	0.893	ug/l	#	59
23) Vinyl Acetate	3.727	43	14921	3.979	ug/l		95
24) 1,1-Dichloroethane	3.611	63	2343	0.954	ug/l	#	90
25) 2-Butanone	4.581	43	4590	4.317	ug/l		92
26) 2,2-Dichloropropane	4.471	77	1307	0.824	ug/l		85
27) cis-1,2-Dichloroethene	4.495	96	1475	1.020	ug/l		80
28) Bromochloromethane	4.891	49	1298	1.094	ug/l	#	97
29) Tetrahydrofuran	5.032	42	3276	4.752	ug/l		97
30) Chloroform	5.093	83	2406	0.953	ug/l		84
32) 1,1,1-Trichloroethane	5.385	97	1989	0.931	ug/l	#	53
36) 1,1-Dichloropropene	5.696	75	1671	0.995	ug/l	#	89
37) Ethyl Acetate	4.751	43	2040	0.964	ug/l	#	76
38) Carbon Tetrachloride	5.672	117	1578	0.870	ug/l	#	91
39) Methylcyclohexane	7.379	83	1818	0.883	ug/l	#	89
40) Benzene	6.038	78	4957	0.967	ug/l		97
41) Methacrylonitrile	4.952	41	883m	0.784	ug/l		
42) 1,2-Dichloroethane	6.092	62	1867	0.882	ug/l		86
43) Isopropyl Acetate	6.361	43	2578	0.804	ug/l	#	86
44) Trichloroethene	7.123	130	1224	1.004	ug/l		87
45) 1,2-Dichloropropane	7.434	63	1082	0.846	ug/l		90

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	831	0.846	ug/l		90
47) Bromodichloromethane	7.824	83	1827	0.931	ug/l	#	77
48) Methyl methacrylate	7.720	41	1419	0.857	ug/l		92
49) 1,4-Dioxane	7.671	88	458m	15.288	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	8746	4.114	ug/l		100
52) Toluene	8.720	92	2863	0.923	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1109	2.850	ug/l		93
54) cis-1,3-Dichloropropene	8.379	75	1300	0.705	ug/l		90
55) 1,1,2-Trichloroethane	9.159	97	1183	0.957	ug/l	#	76
56) Ethyl methacrylate	9.129	69	1425m	0.745	ug/l		
57) 1,3-Dichloropropane	9.311	76	1946	0.904	ug/l		91
58) 2-Chloroethyl Vinyl ether	8.245	63	3880	4.008	ug/l		93
59) 2-Hexanone	9.439	43	6360	4.040	ug/l		85
60) Dibromochloromethane	9.519	129	1097	0.814	ug/l		99
61) 1,2-Dibromoethane	9.610	107	1032	0.825	ug/l		96
64) Tetrachloroethene	9.269	164	1062	0.981	ug/l		92
65) Chlorobenzene	10.080	112	2916	0.890	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	1128	0.992	ug/l	#	64
67) Ethyl Benzene	10.195	91	4930	0.840	ug/l		90
68) m/p-Xylenes	10.305	106	3645	1.708	ug/l		97
69) o-Xylene	10.640	106	1724	0.820	ug/l		83
70) Styrene	10.659	104	2750	0.793	ug/l		94
71) Bromoform	10.805	173	675	0.795	ug/l	#	94
73) Isopropylbenzene	10.964	105	4377	0.894	ug/l		95
74) N-amyl acetate	10.854	43	1762	0.752	ug/l	#	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	1781	1.036	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1493m	1.002	ug/l		
77) Bromobenzene	11.201	156	1072	0.948	ug/l		95
78) n-propylbenzene	11.305	91	4564	0.809	ug/l		97
79) 2-Chlorotoluene	11.366	91	3537	0.981	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	3582	0.885	ug/l		100
82) 4-Chlorotoluene	11.457	91	3619	0.900	ug/l		96
83) tert-Butylbenzene	11.713	119	3537	0.883	ug/l		94
84) 1,2,4-Trimethylbenzene	11.750	105	3552	0.874	ug/l		99
85) sec-Butylbenzene	11.890	105	3905	0.793	ug/l		98
86) p-Isopropyltoluene	12.012	119	3342	0.824	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	2026	0.984	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	2042m	0.978	ug/l		
89) n-Butylbenzene	12.335	91	2587	0.735	ug/l		99
90) Hexachloroethane	12.543	117	602	0.863	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	2009	0.981	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	239	0.665	ug/l	#	73
93) 1,2,4-Trichlorobenzene	13.591	180	888	0.779	ug/l		94
94) Hexachlorobutadiene	13.725	225	463	0.943	ug/l		90
95) Naphthalene	13.780	128	3109	0.733	ug/l		99
96) 1,2,3-Trichlorobenzene	13.969	180	956	0.801	ug/l		88

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

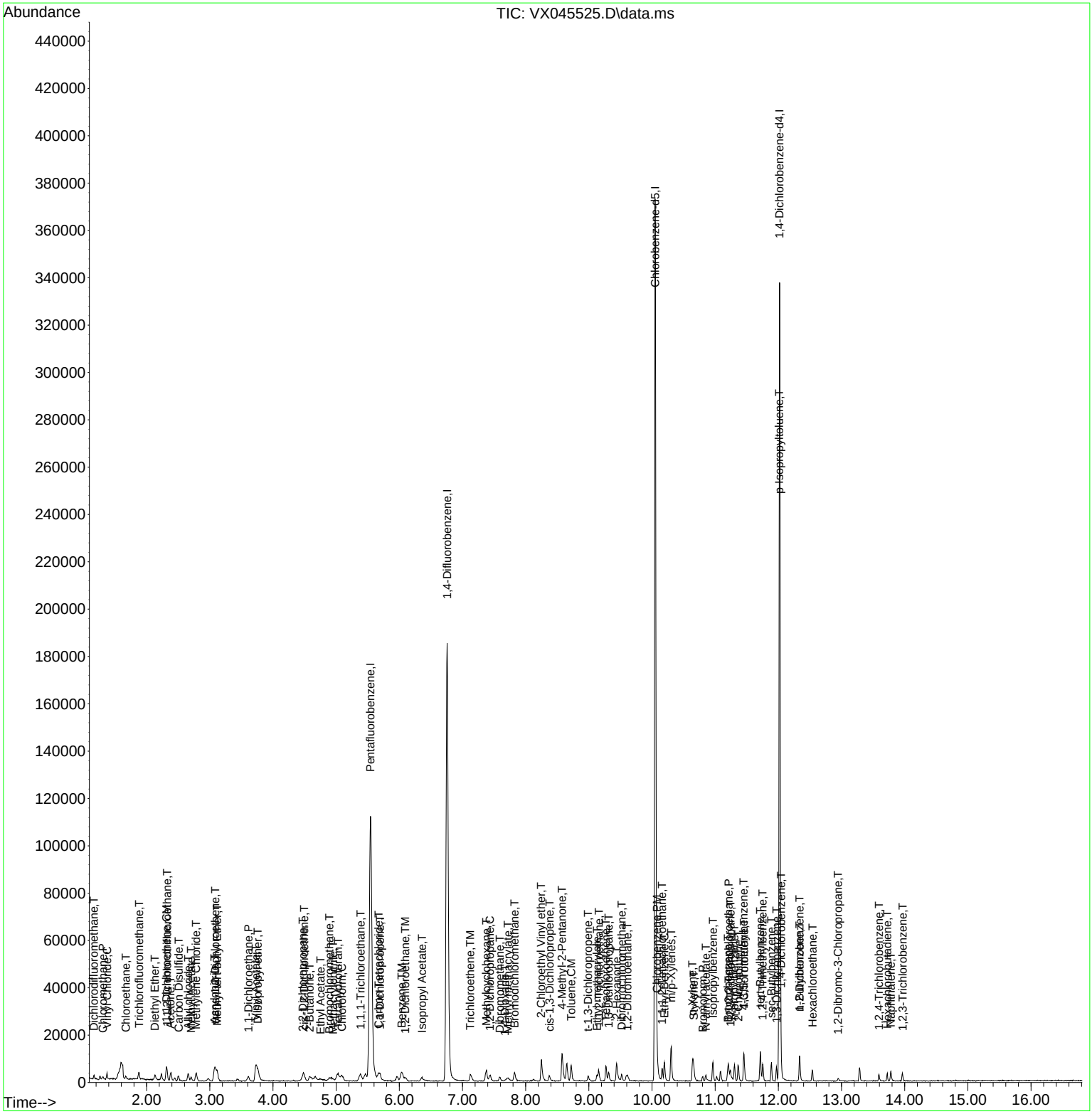
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

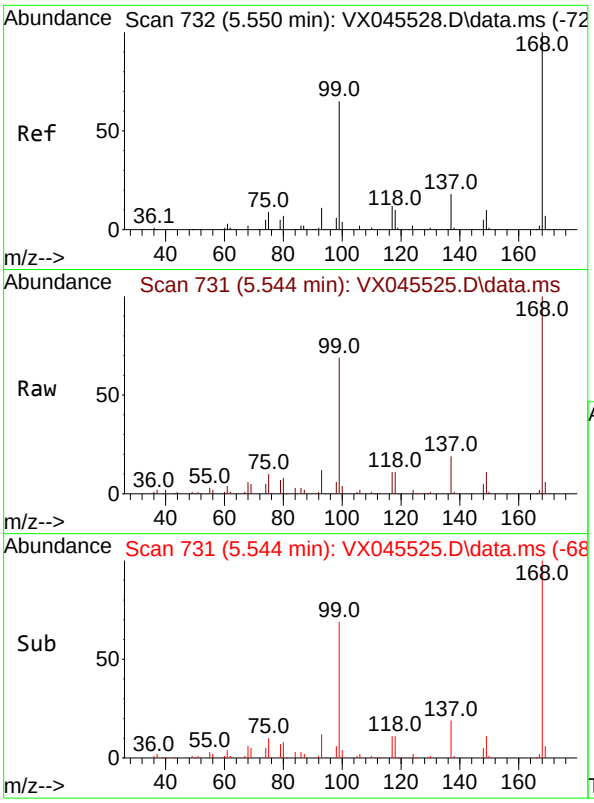
Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

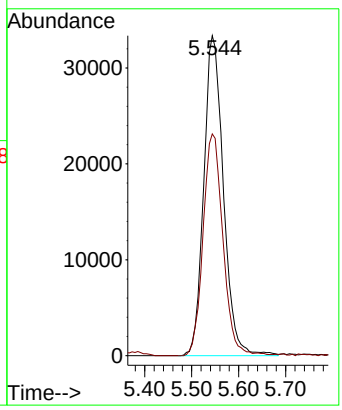




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:168 Resp: 9673

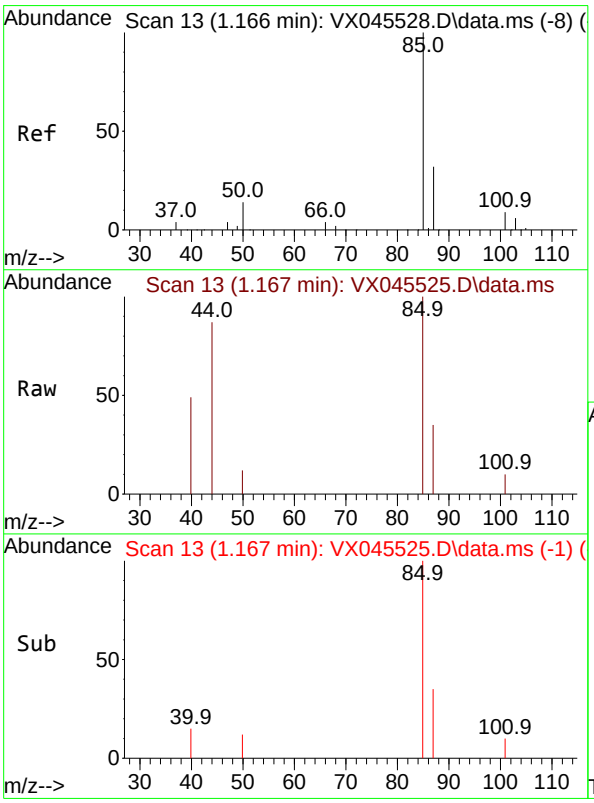
Ion	Ratio	Lower	Upper
168	100		
99	69.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

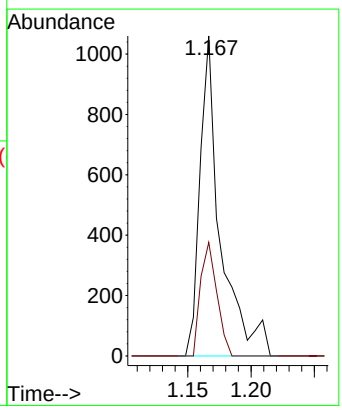
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

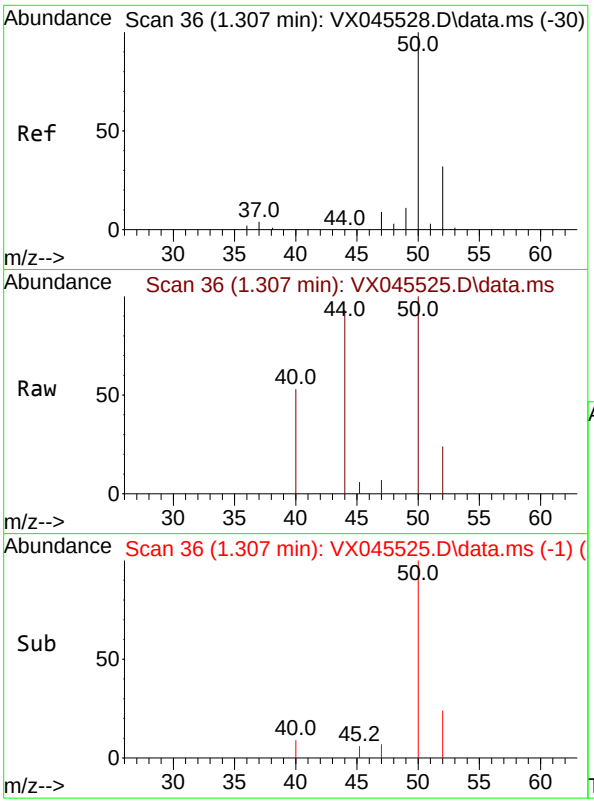


#2
Dichlorodifluoromethane
Concen: 0.822 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 85 Resp: 1189

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.1	48.2

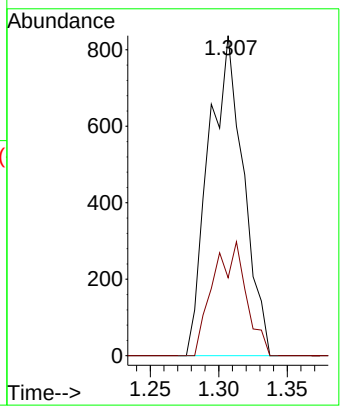




#3
Chloromethane
Concen: 0.995 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 50 Resp: 147

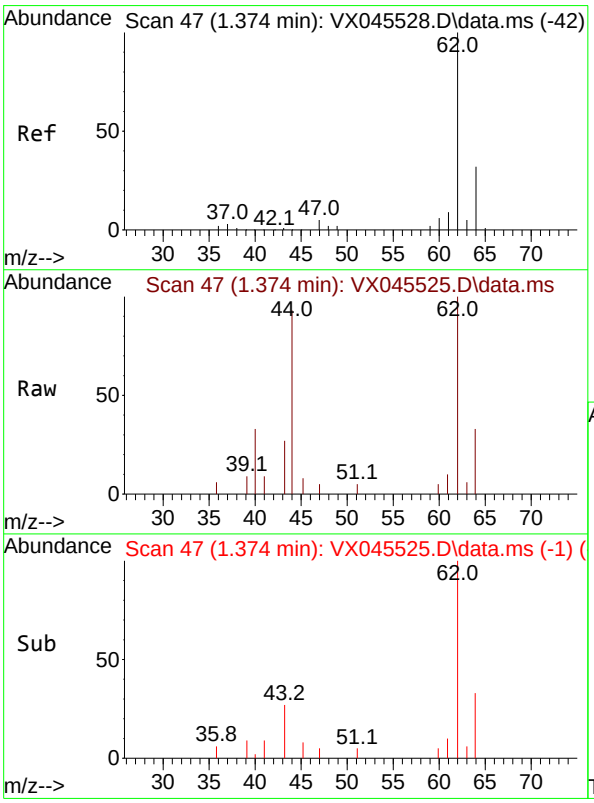
Ion	Ratio	Lower	Upper
50	100		
52	24.4	25.9	38.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

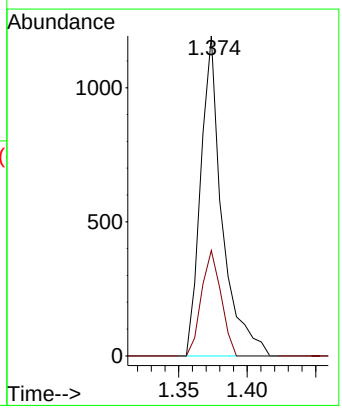
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

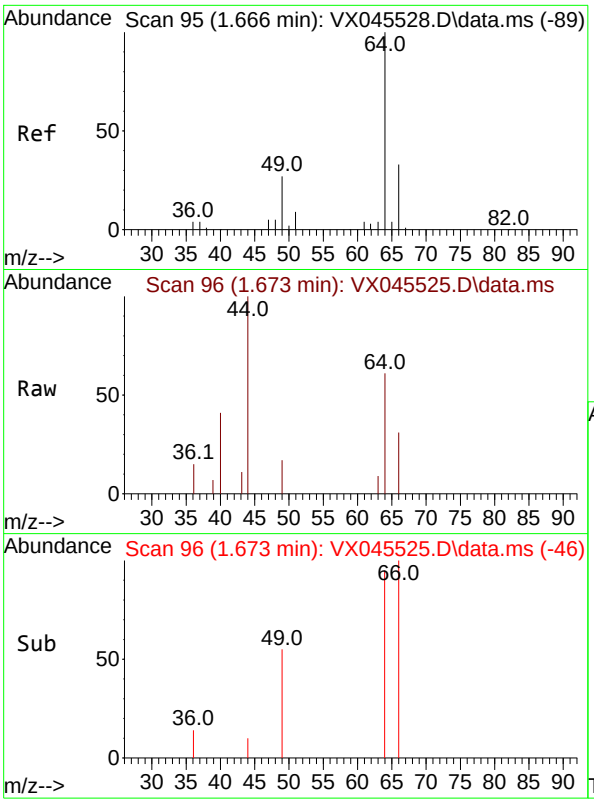


#4
Vinyl Chloride
Concen: 0.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 1299

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3

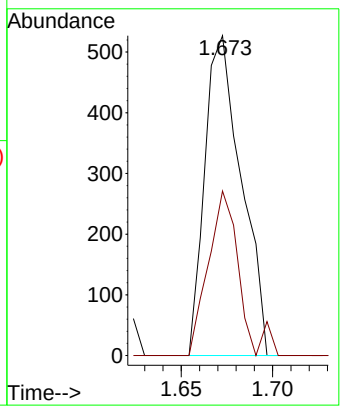




#6
Chloroethane
Concen: 1.014 ug/l
RT: 1.673 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 64 Resp: 73

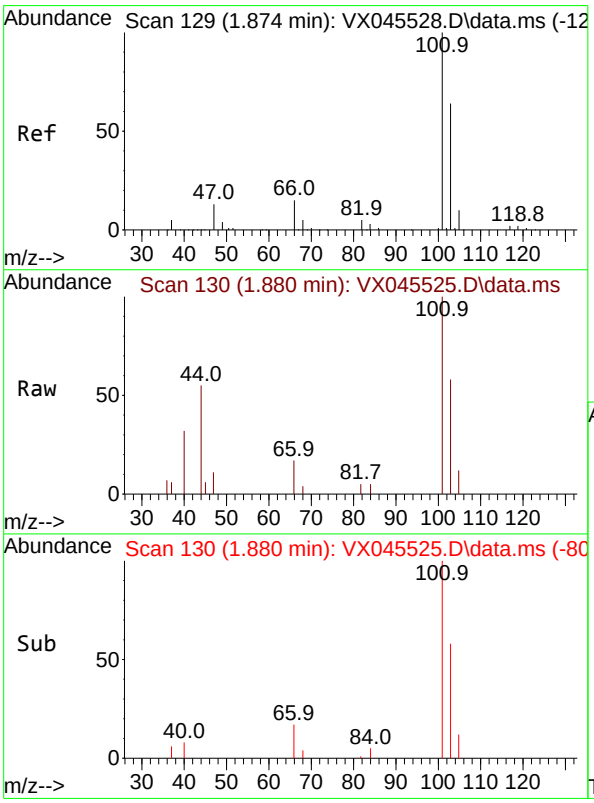
Ion	Ratio	Lower	Upper
64	100		
66	51.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

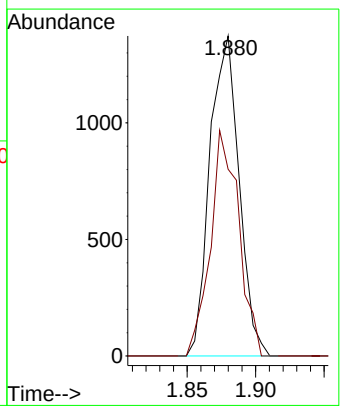
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

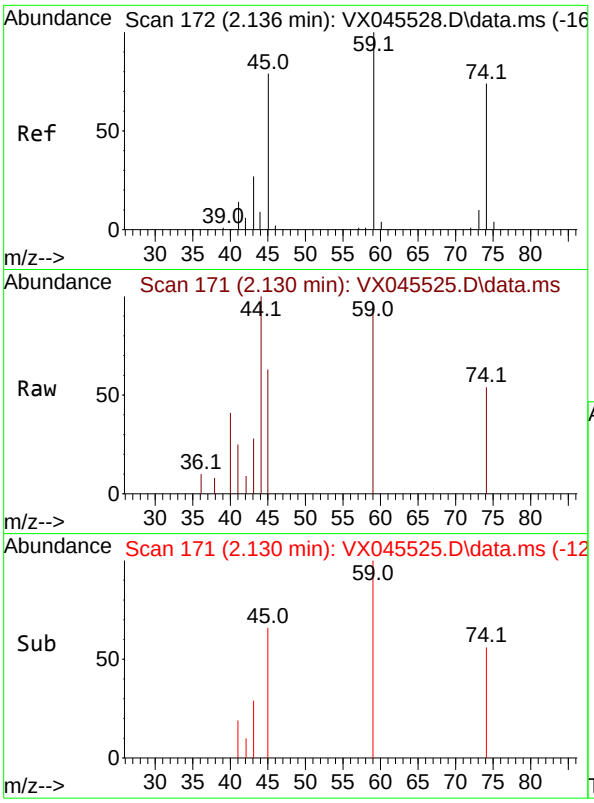


#7
Trichlorofluoromethane
Concen: 1.003 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:101 Resp: 2034

Ion	Ratio	Lower	Upper
101	100		
103	58.3	51.1	76.7





#8
Diethyl Ether
Concen: 0.981 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

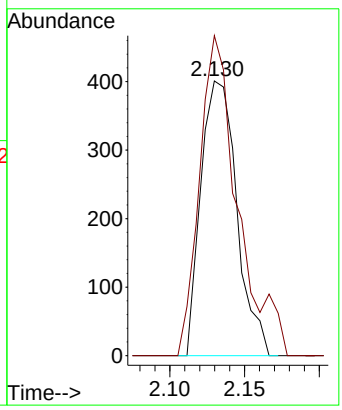
Tgt Ion: 74 Resp: 66

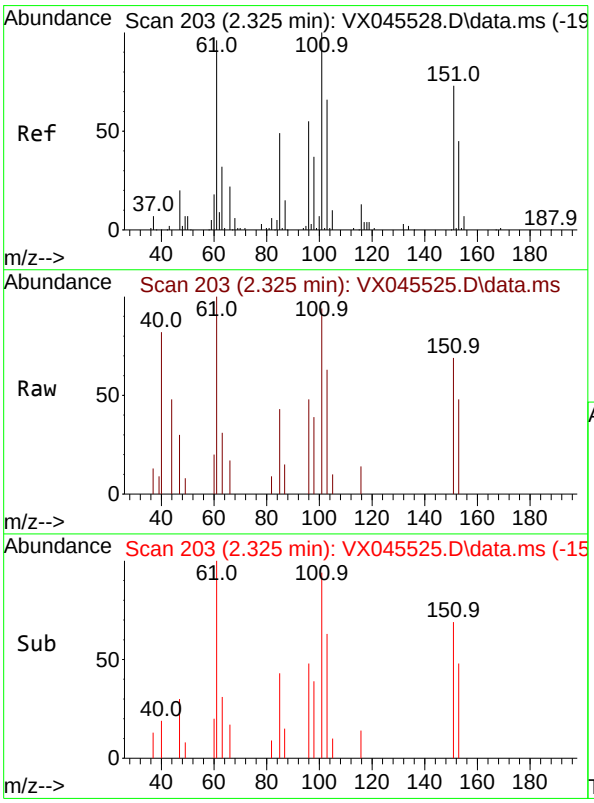
Ion	Ratio	Lower	Upper
74	100		
45	124.1	53.0	159.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

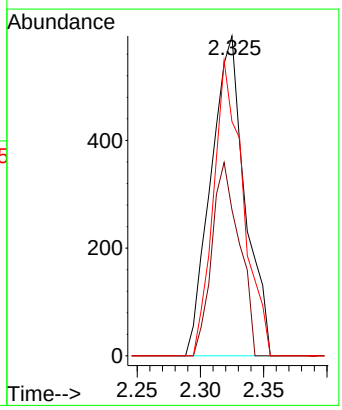


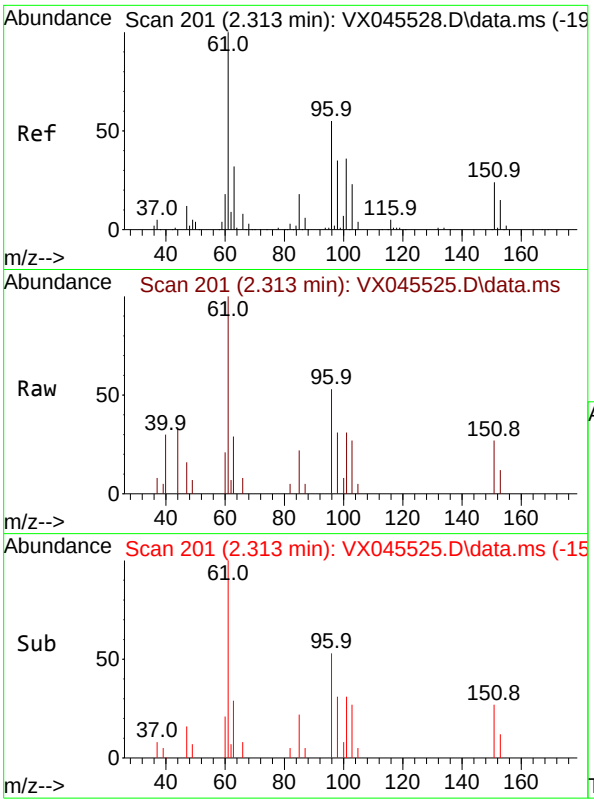


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.936 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:101 Resp: 1113

Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.9	58.3
151	80.3	57.5	86.3

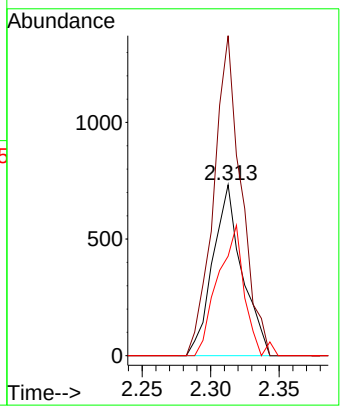




#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 109(

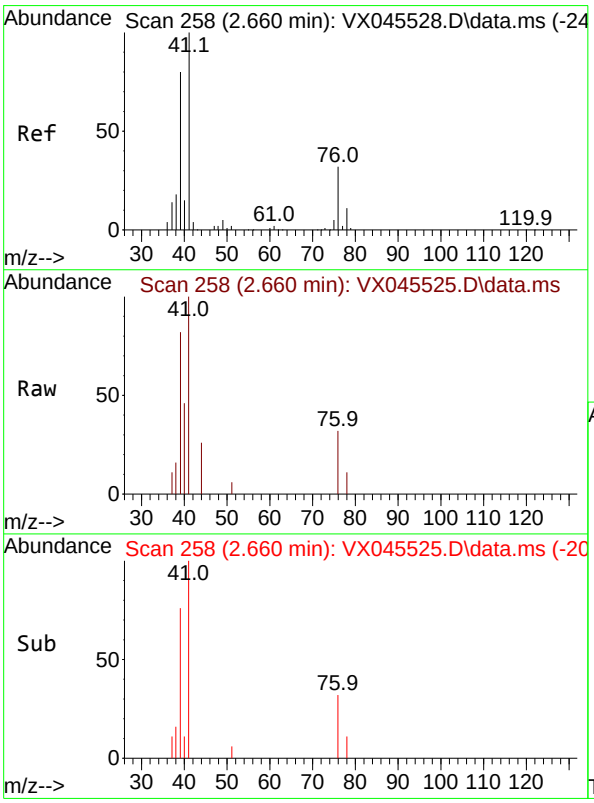
Ion	Ratio	Lower	Upper
96	100		
61	187.2	145.7	218.5
98	58.3	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

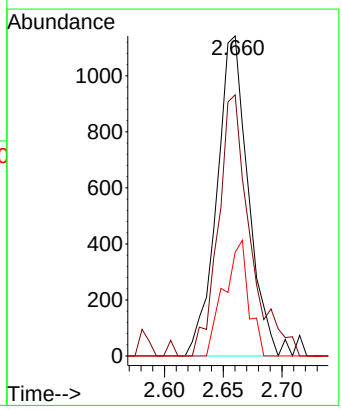
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

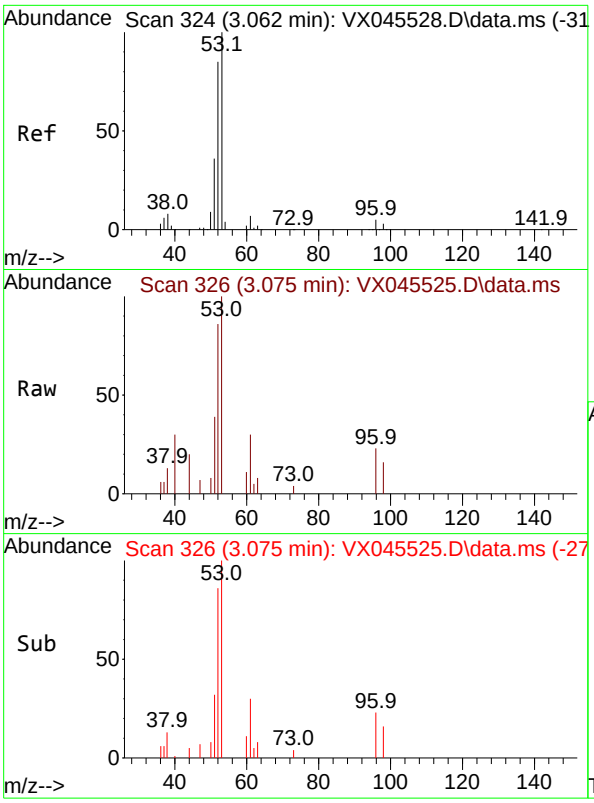


#14
Allyl chloride
Concen: 0.959 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 2113

Ion	Ratio	Lower	Upper
41	100		
39	82.6	60.2	90.2
76	28.3	24.6	36.8

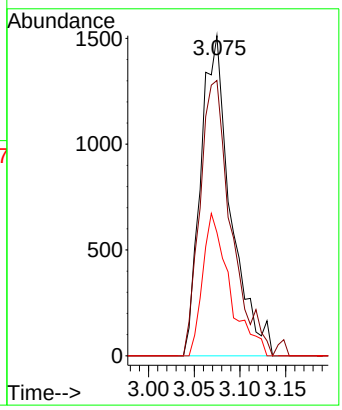




#15
Acrylonitrile
Concen: 4.592 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 53 Resp: 344

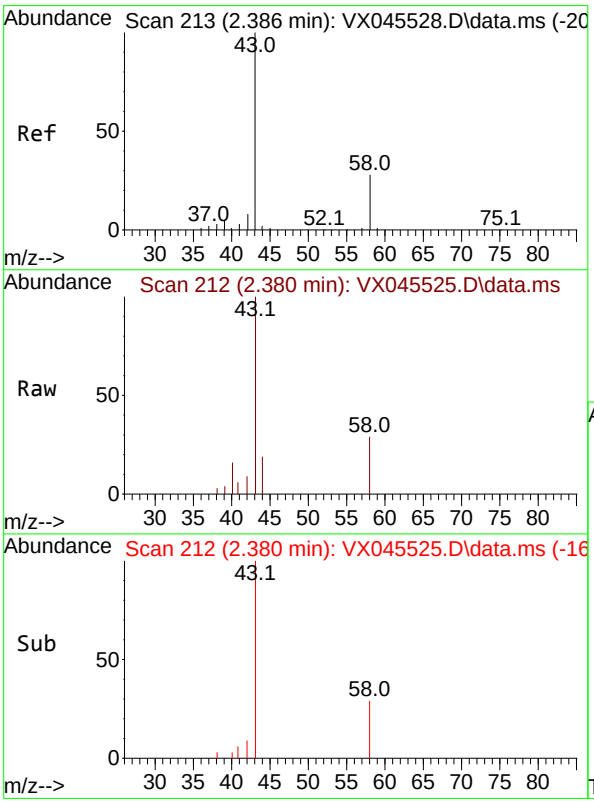
Ion	Ratio	Lower	Upper
53	100		
52	89.4	67.4	101.2
51	40.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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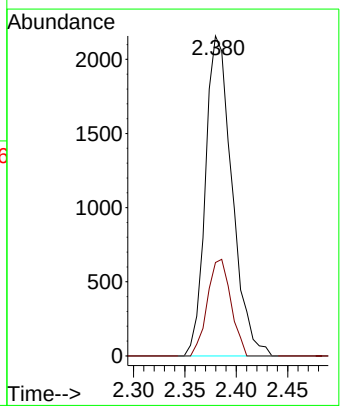
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

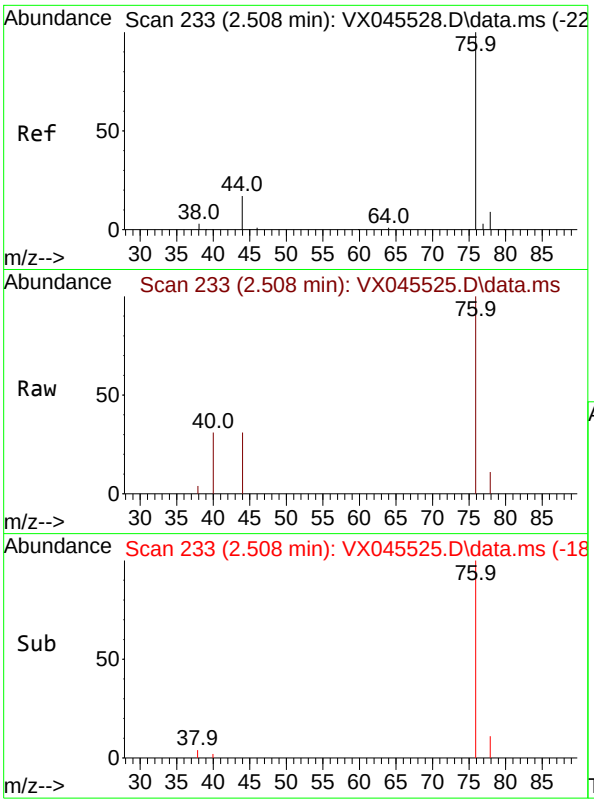


#16
Acetone
Concen: 5.323 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 3867

Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.3	33.5





#17
Carbon Disulfide
Concen: 0.899 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

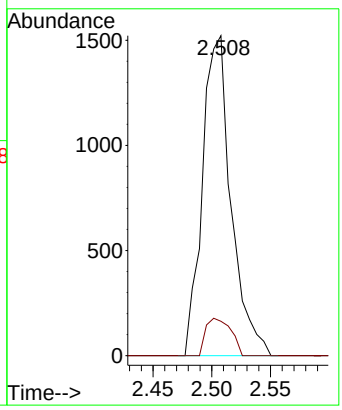
Tgt Ion: 76 Resp: 258

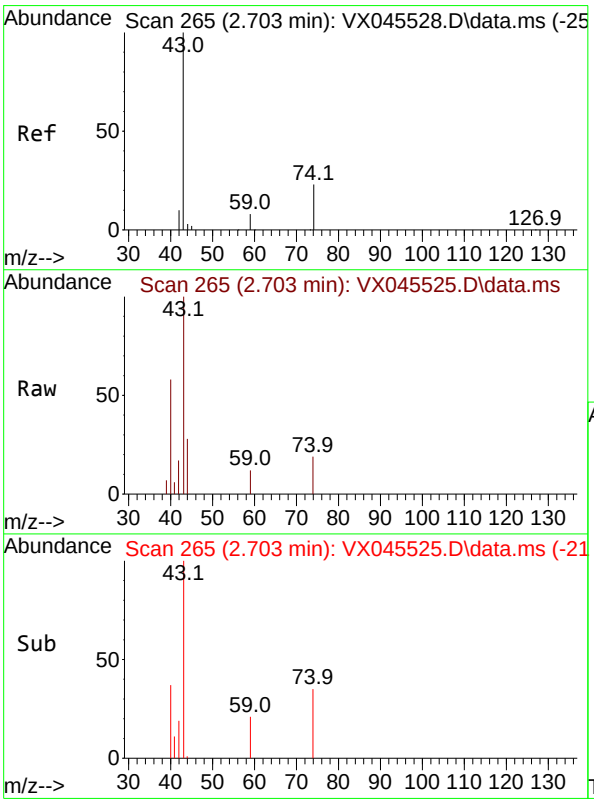
Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

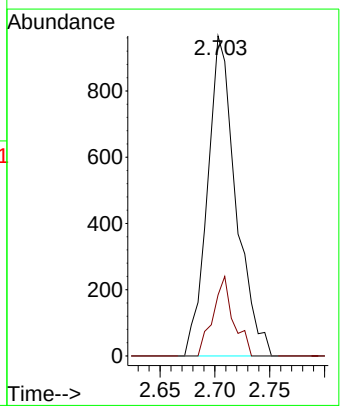


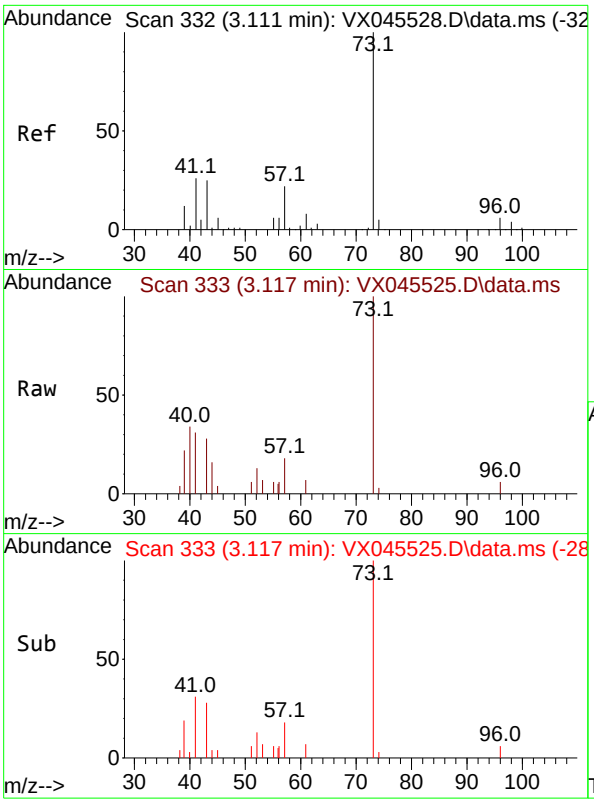


#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 1744

Ion	Ratio	Lower	Upper
43	100		
74	17.8	17.5	26.3

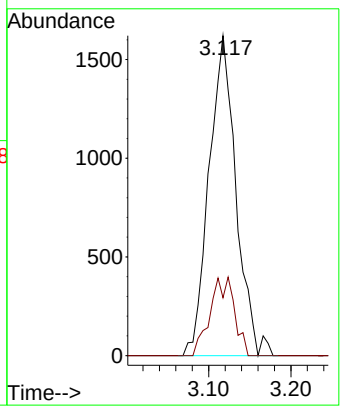




#19
Methyl tert-butyl Ether
Concen: 0.912 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 73 Resp: 370

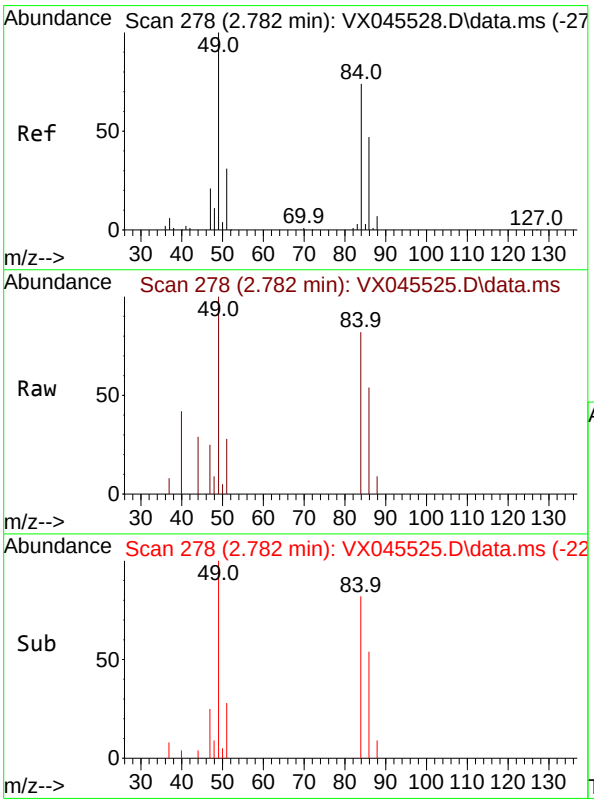
Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

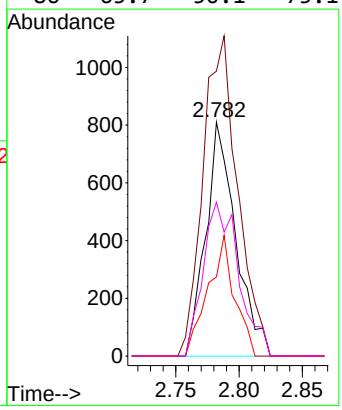
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

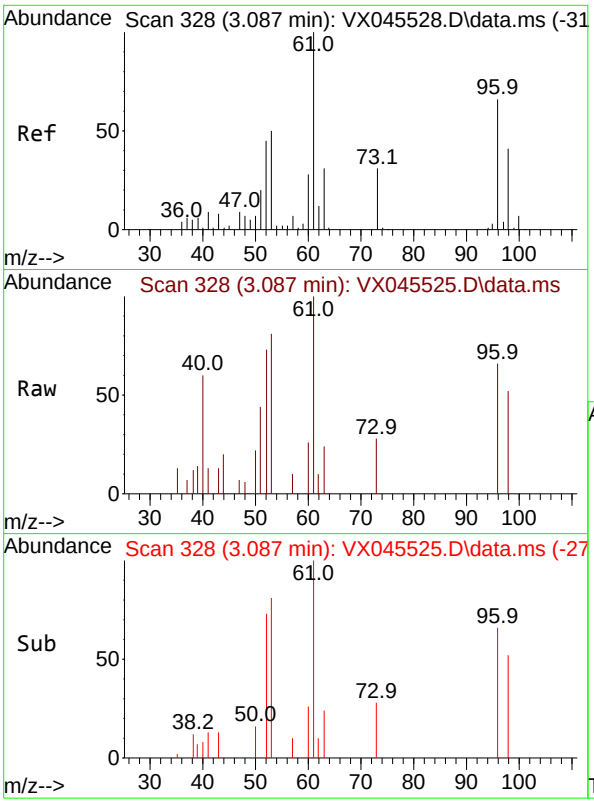


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 84 Resp: 1338

Ion	Ratio	Lower	Upper
84	100		
49	121.7	107.5	161.3
51	33.8	33.0	49.6
86	65.7	50.1	75.1

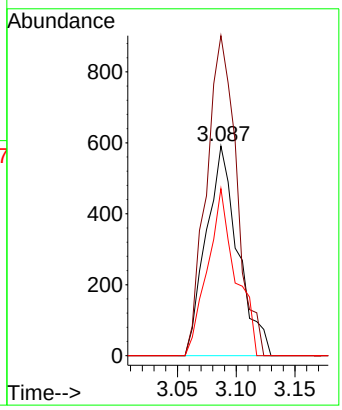




#21
trans-1,2-Dichloroethene
Concen: 0.936 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 111

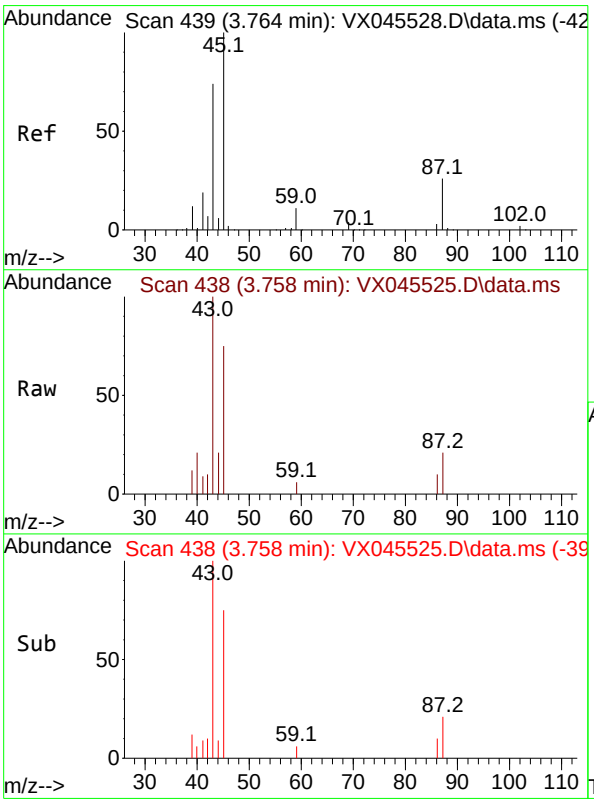
Ion	Ratio	Lower	Upper
96	100		
61	152.6	121.0	181.6
98	79.7	49.7	74.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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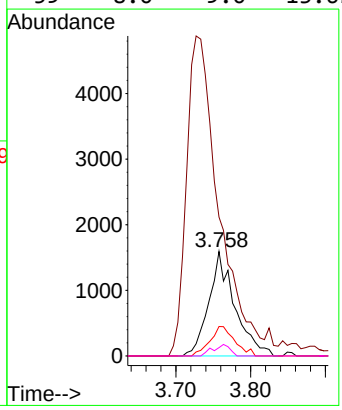
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

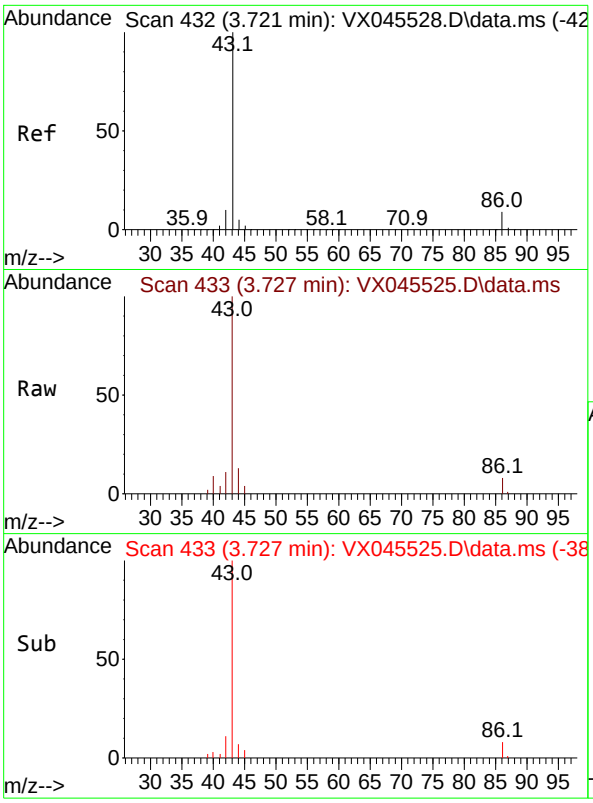


#22
Diisopropyl ether
Concen: 0.893 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 45 Resp: 3875

Ion	Ratio	Lower	Upper
45	100		
43	123.5	59.3	88.9#
87	28.2	20.4	30.6
59	8.0	9.0	13.6#





#23
Vinyl Acetate
Concen: 3.979 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

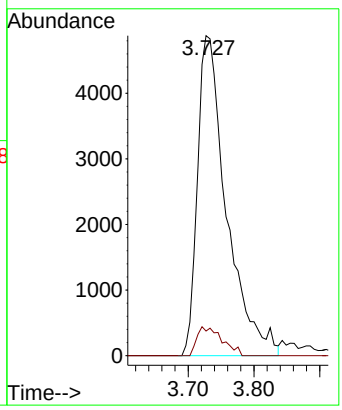
Tgt Ion: 43 Resp: 1492

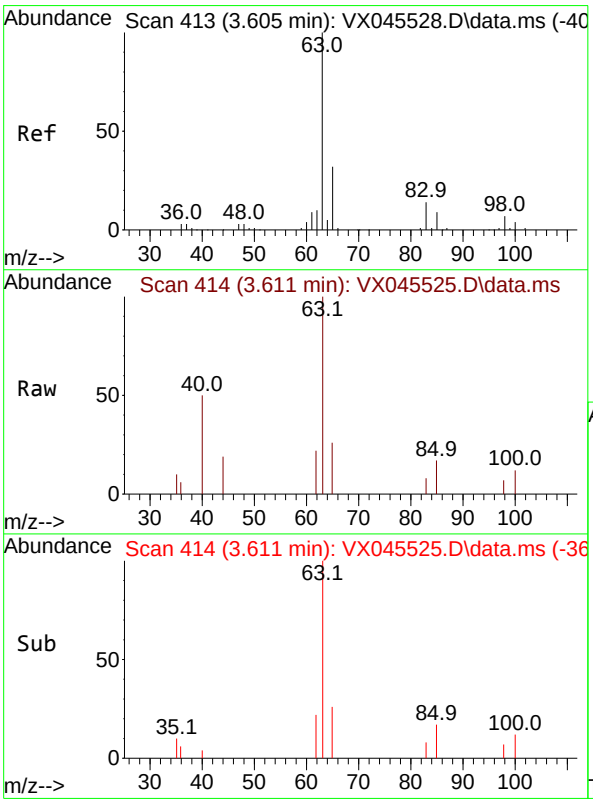
Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

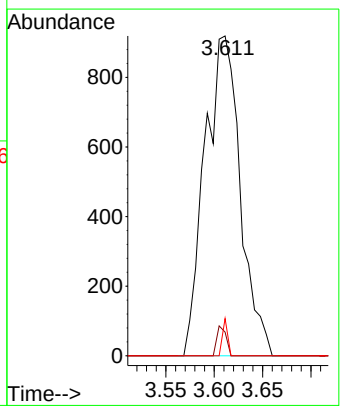


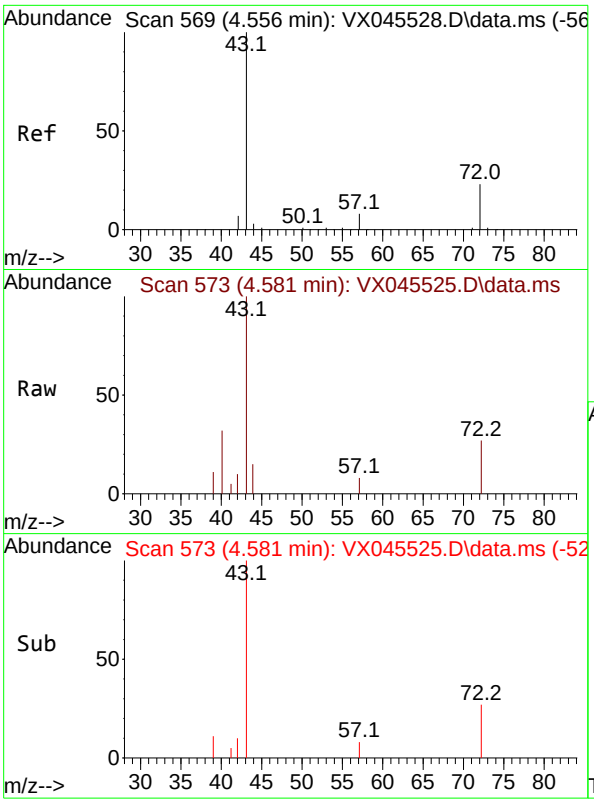


#24
1,1-Dichloroethane
Concen: 0.954 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 2343

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	11.6	2.2	6.6#

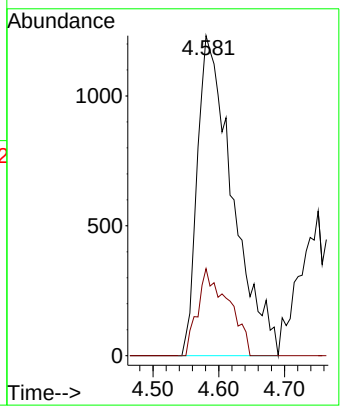




#25
2-Butanone
Concen: 4.317 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 459

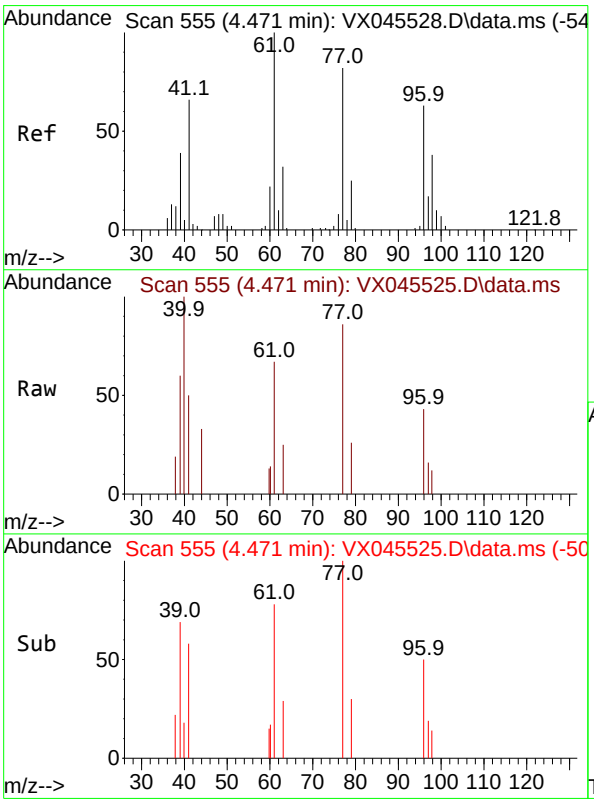
Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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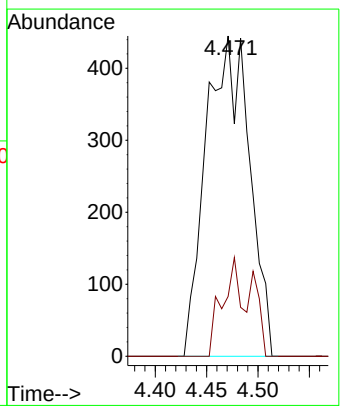
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

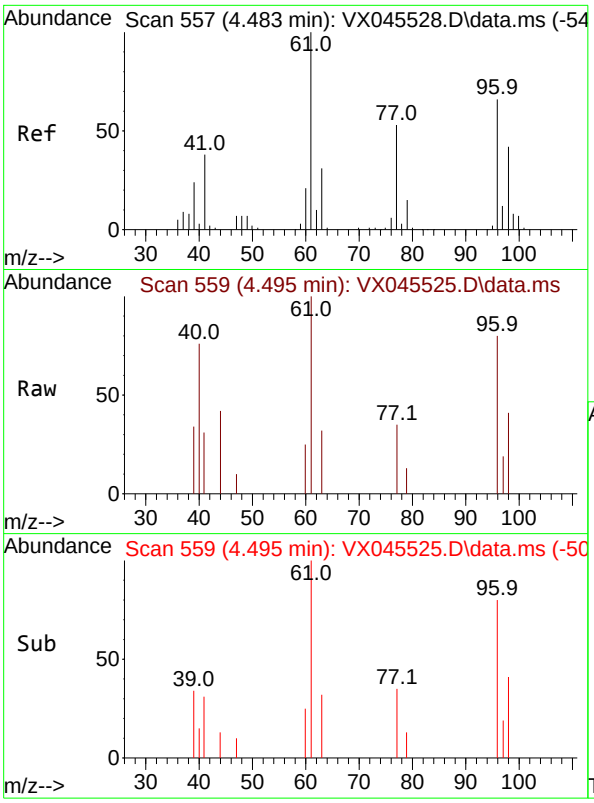


#26
2,2-Dichloropropane
Concen: 0.824 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 77 Resp: 1307

Ion	Ratio	Lower	Upper
77	100		
97	13.9	10.6	31.8

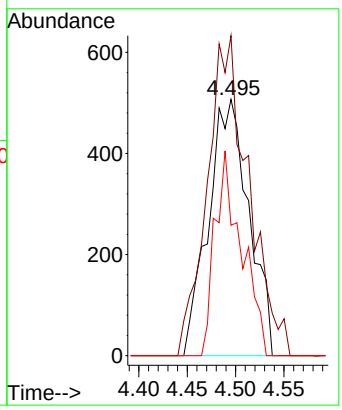




#27
cis-1,2-Dichloroethene
Concen: 1.020 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 147

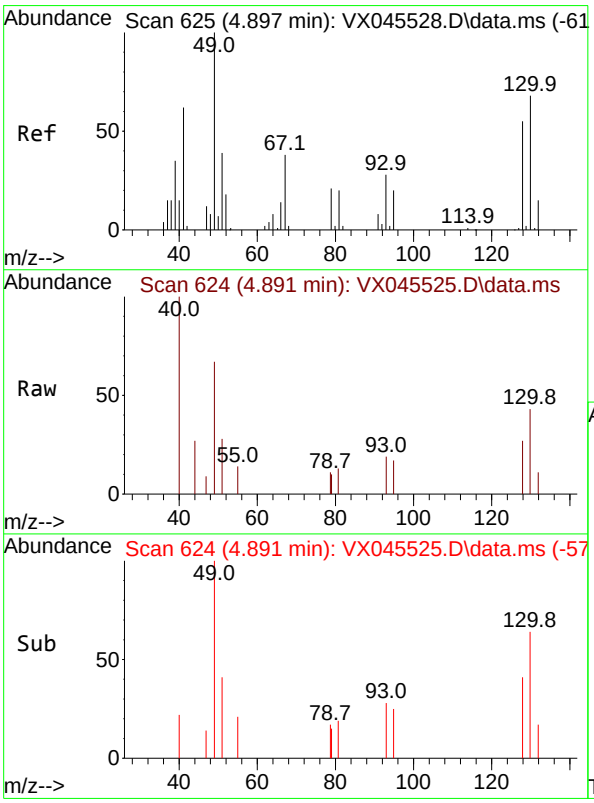
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	313.2
98	52.4	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

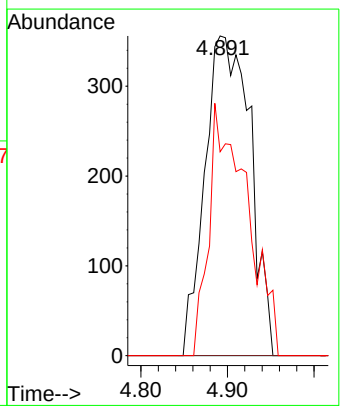
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

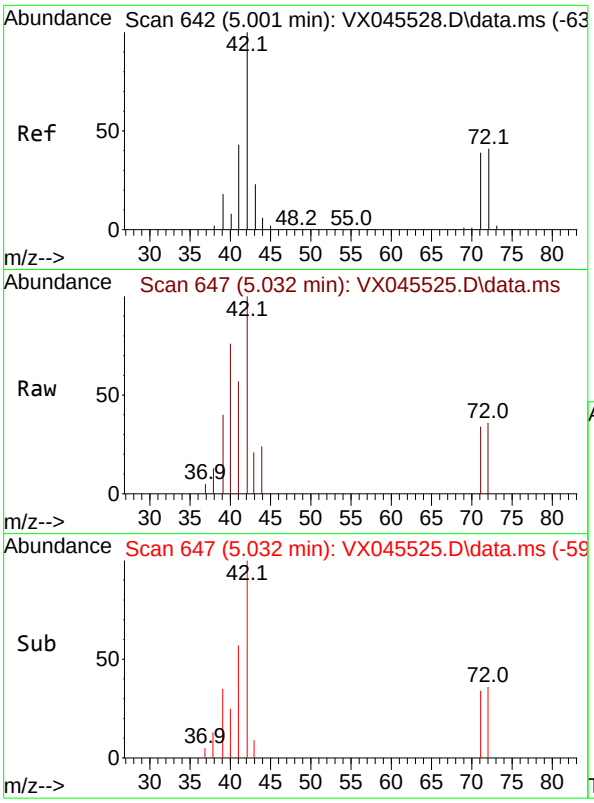


#28
Bromochloromethane
Concen: 1.094 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 49 Resp: 1298

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	66.0	54.6	81.8





#29
Tetrahydrofuran
Concen: 4.752 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

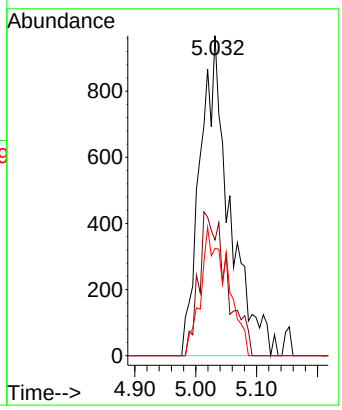
Tgt Ion: 42 Resp: 327

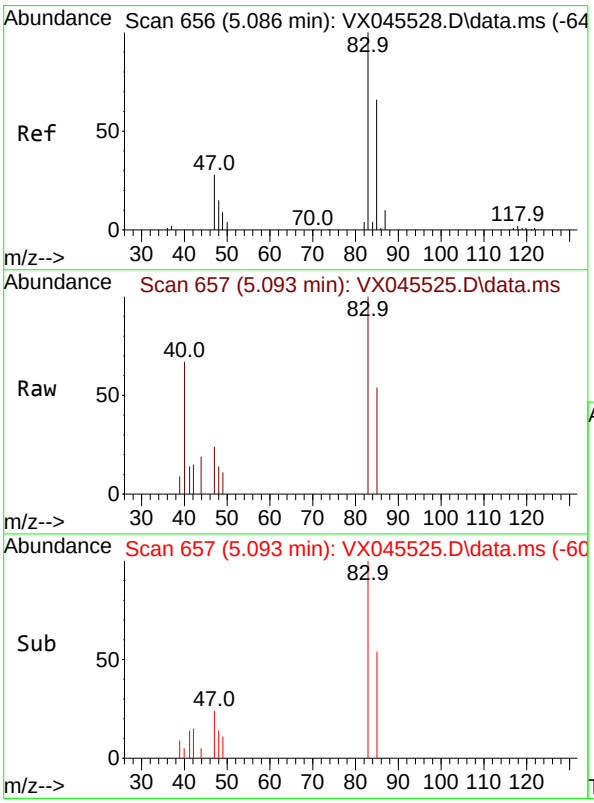
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	36.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

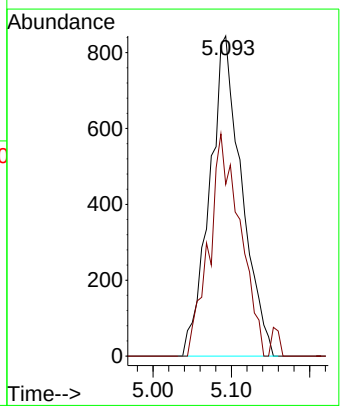


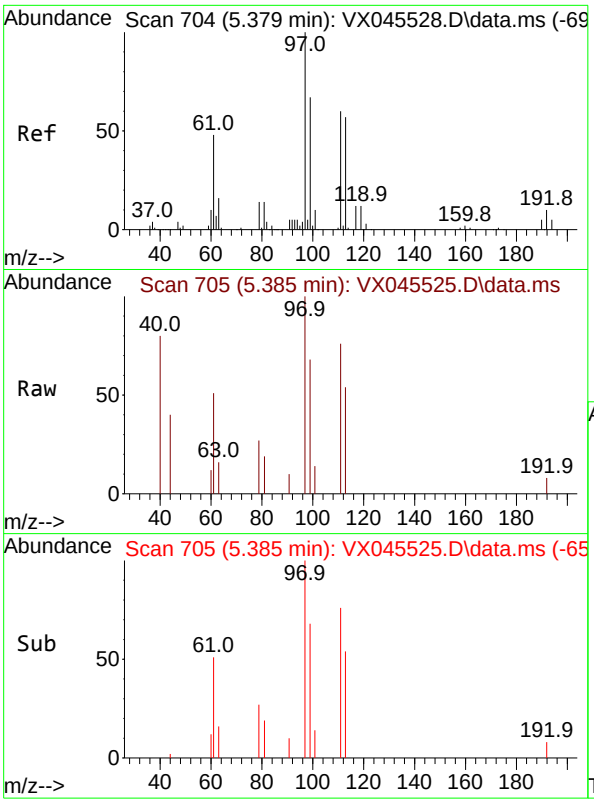


#30
Chloroform
Concen: 0.953 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 2406

Ion	Ratio	Lower	Upper
83	100		
85	53.7	52.8	79.2

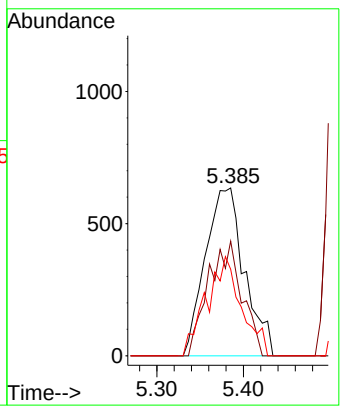




#32
1,1,1-Trichloroethane
Concen: 0.931 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 198

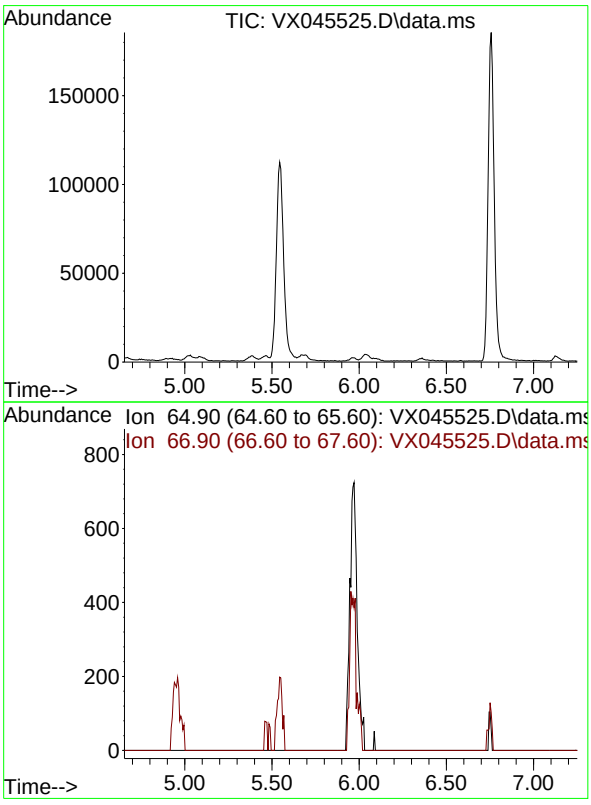
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	52.8	41.0	61.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

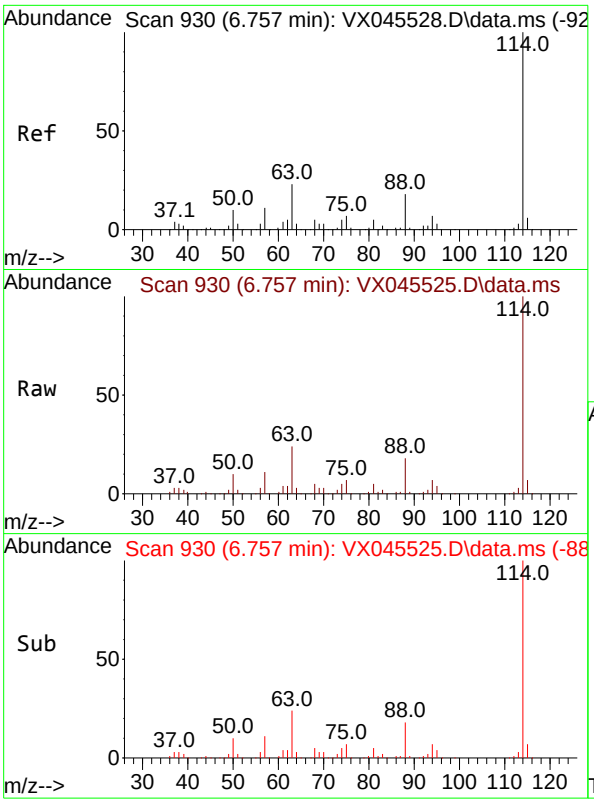


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

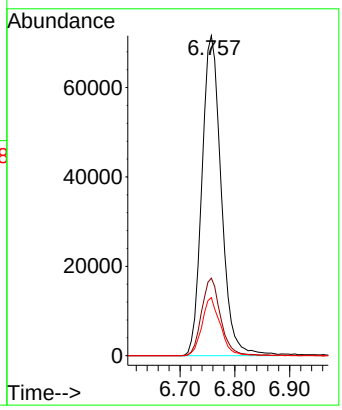
Tgt Ion:114 Resp: 17526

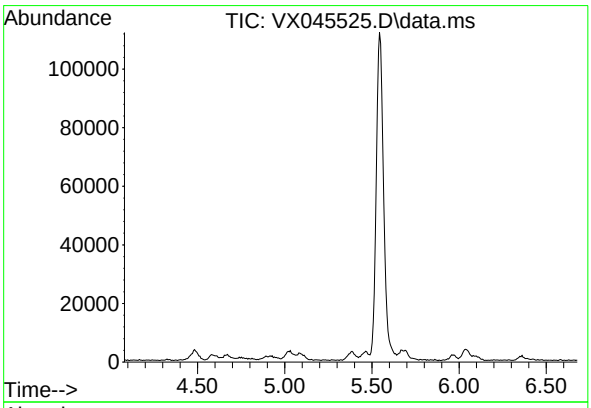
Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	18.1	0.0	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



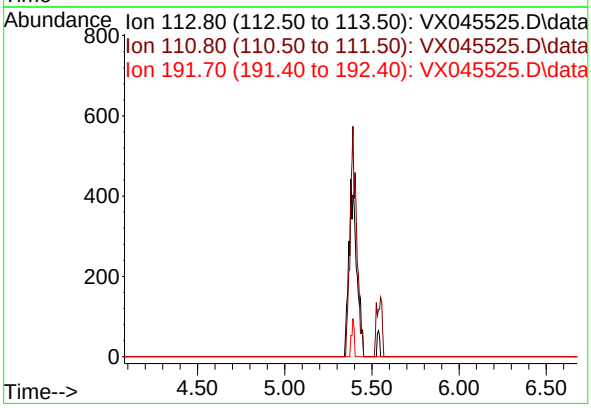


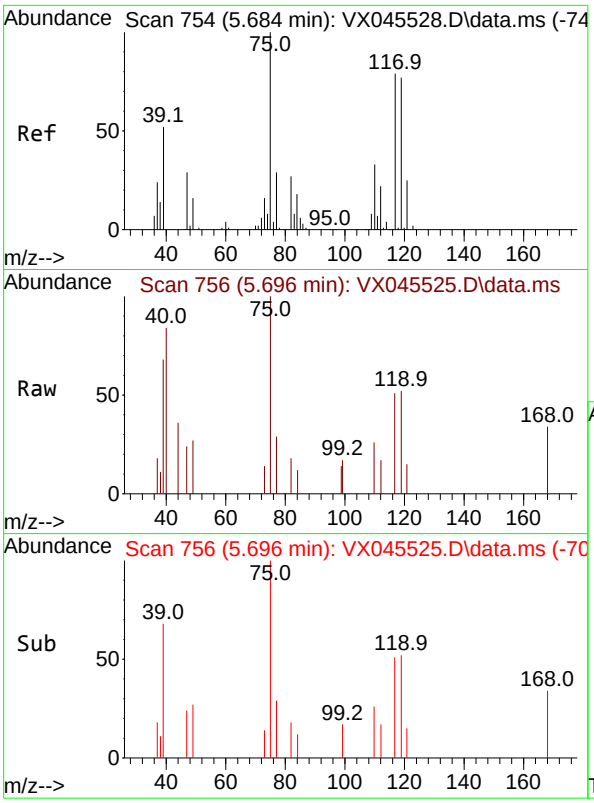
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.2
192	17.2

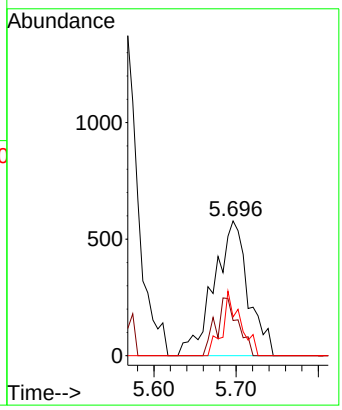




#36
1,1-Dichloropropene
Concen: 0.995 ug/l
RT: 5.696 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 167

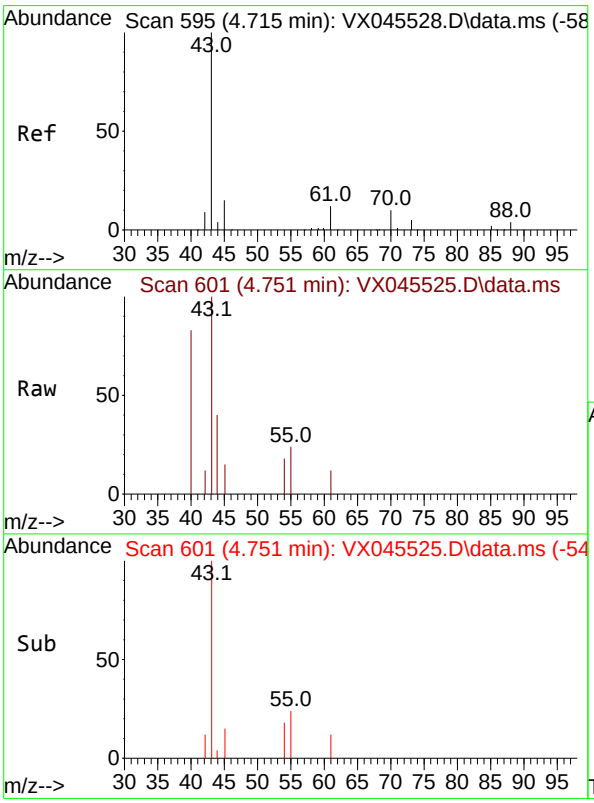
Ion	Ratio	Lower	Upper
75	100		
110	27.6	16.9	50.6
77	25.0	25.0	37.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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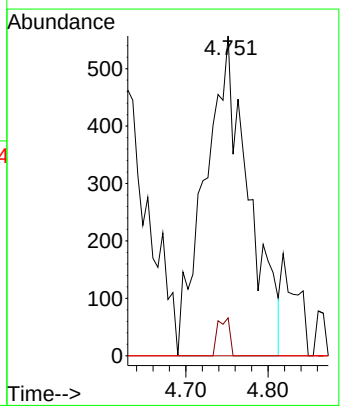
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

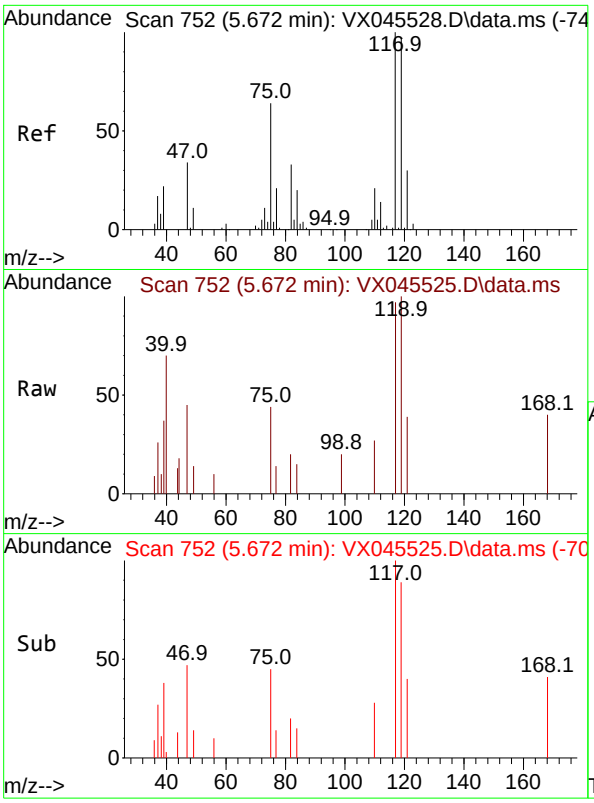


#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 2040

Ion	Ratio	Lower	Upper
43	100		
61	3.3	9.9	14.9#
70	0.0	7.5	11.3#





#38
Carbon Tetrachloride
Concen: 0.870 ug/l
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

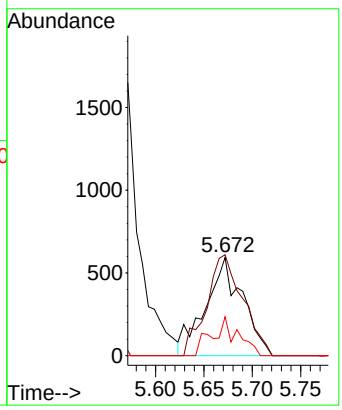
Tgt Ion:117 Resp: 157

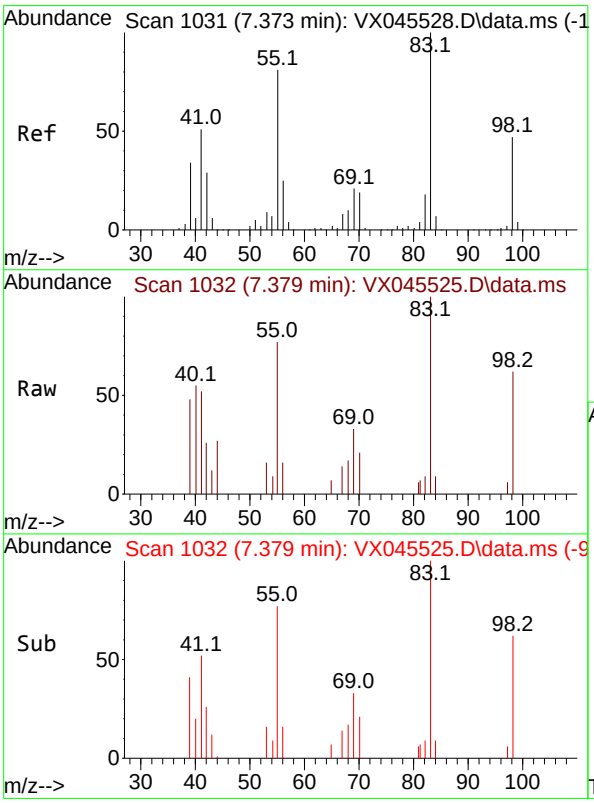
Ion	Ratio	Lower	Upper
117	100		
119	102.7	76.9	115.3
121	39.6	24.2	36.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

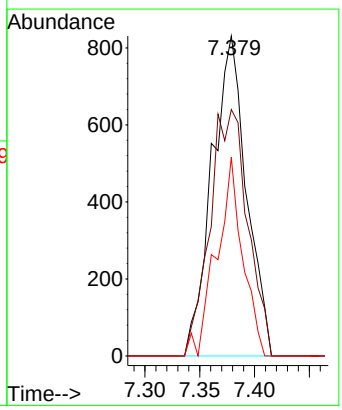


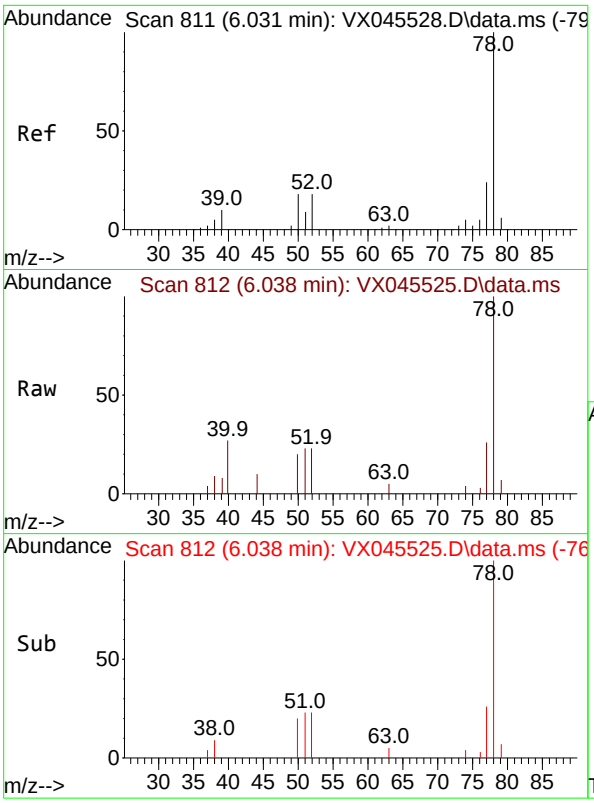


#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1818

Ion	Ratio	Lower	Upper
83	100		
55	77.0	64.9	97.3
98	62.1	37.4	56.0#

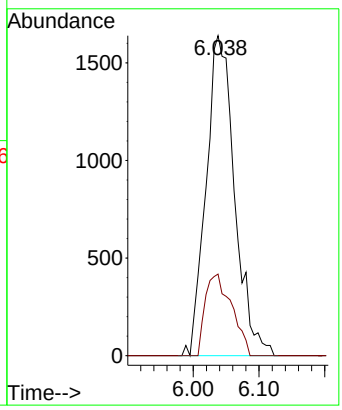




#40
Benzene
Concen: 0.967 ug/l
RT: 6.038 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 78 Resp: 495

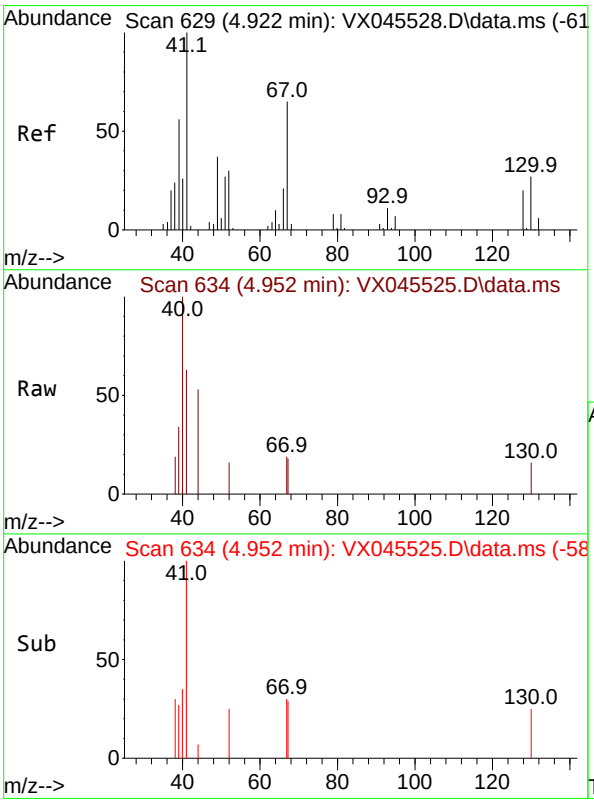
Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

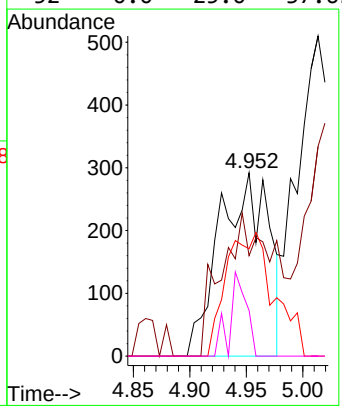
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

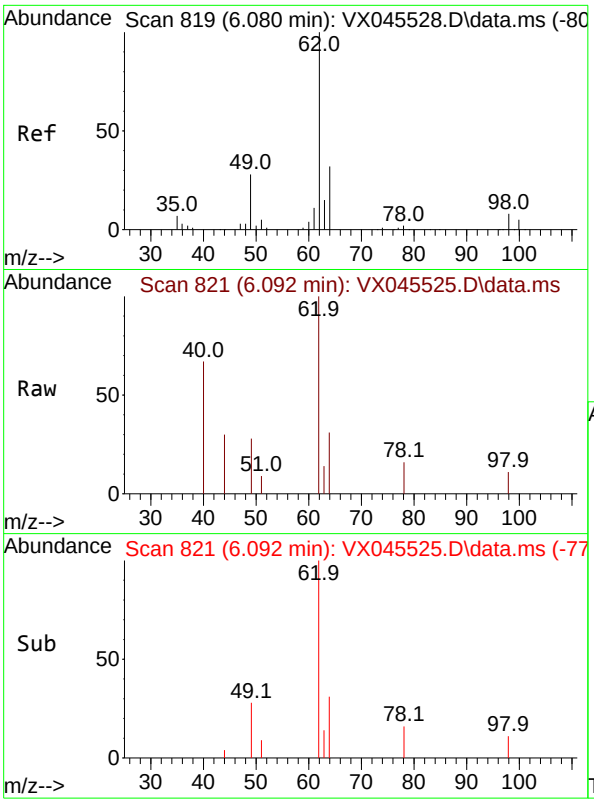


#41
Methacrylonitrile
Concen: 0.784 ug/l m
RT: 4.952 min Scan# 634
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 883

Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#

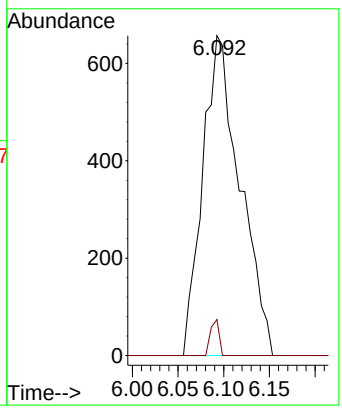




#42
1,2-Dichloroethane
Concen: 0.882 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 186

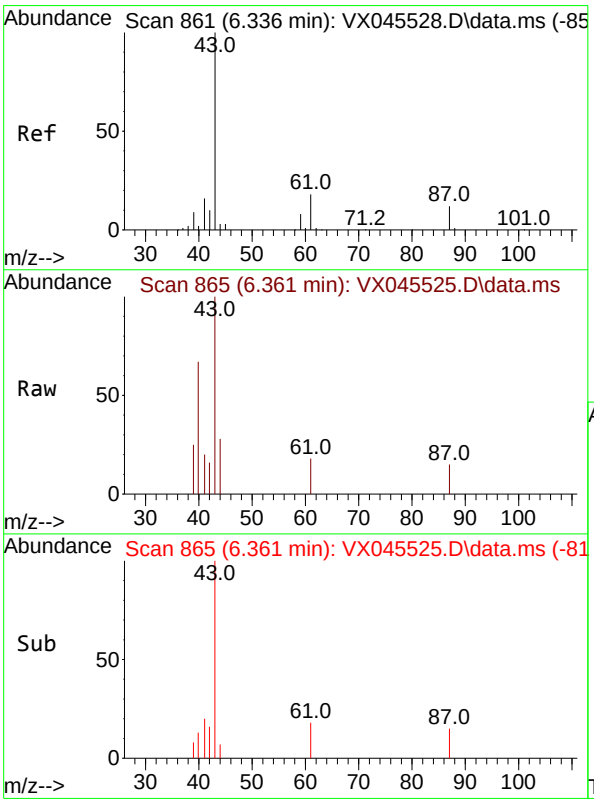
Ion	Ratio	Lower	Upper
62	100		
98	2.6	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

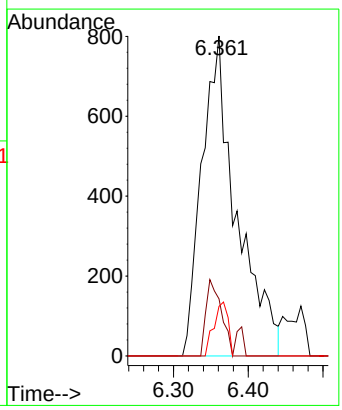
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

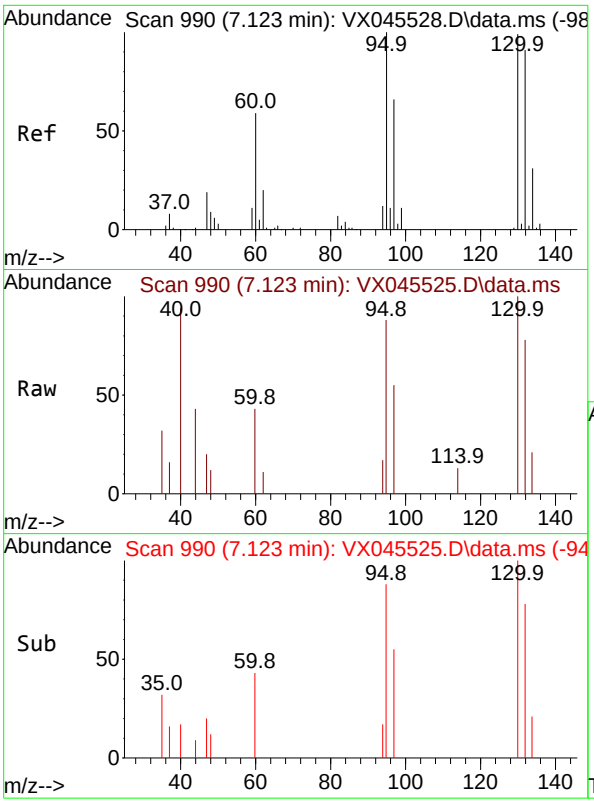


#43
Isopropyl Acetate
Concen: 0.804 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 2578

Ion	Ratio	Lower	Upper
43	100		
61	10.6	14.1	21.1#
87	6.9	9.2	13.8#

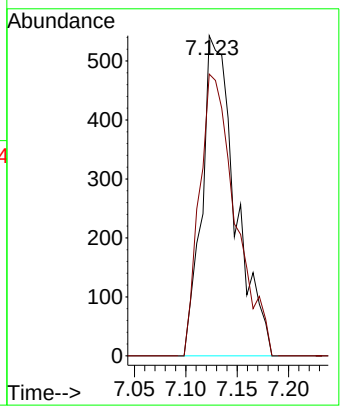




#44
Trichloroethene
Concen: 1.004 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:130 Resp: 122

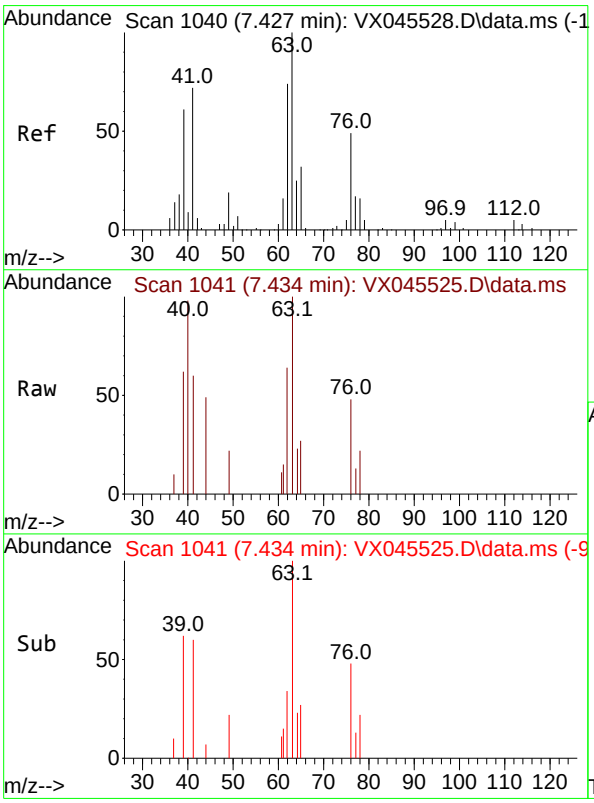
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	202.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

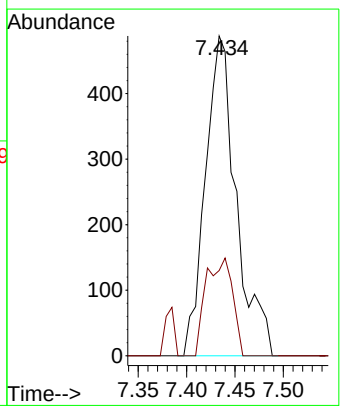
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

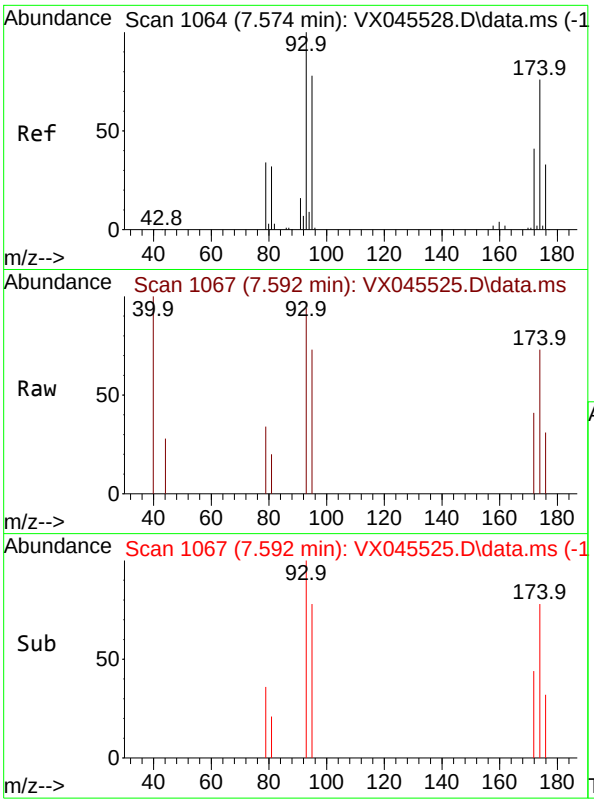


#45
1,2-Dichloropropane
Concen: 0.846 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 1082

Ion	Ratio	Lower	Upper
63	100		
65	26.6	25.8	38.6

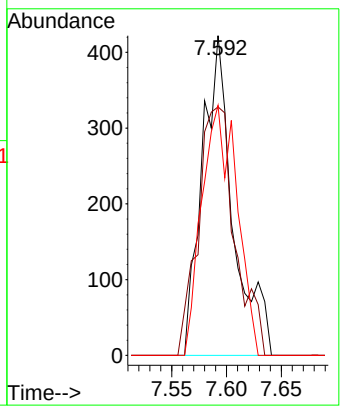




#46
Dibromomethane
Concen: 0.846 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 93 Resp: 83

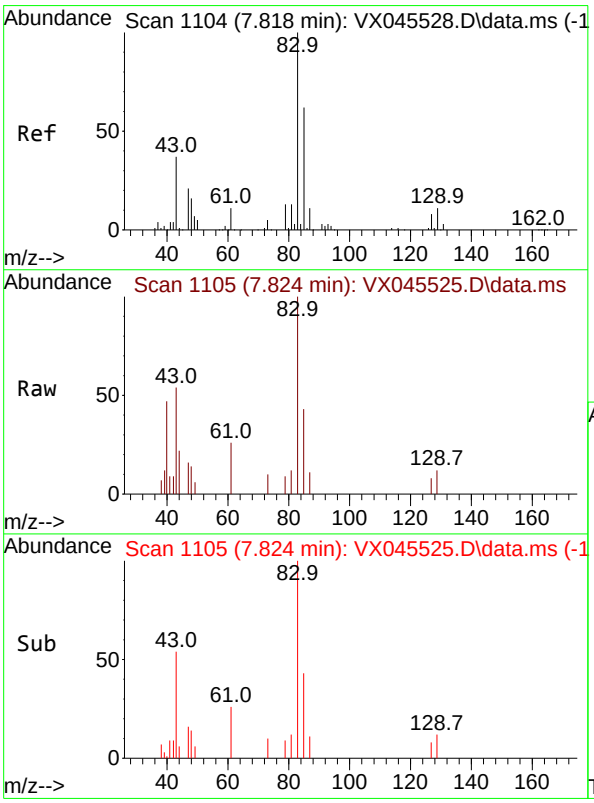
Ion	Ratio	Lower	Upper
93	100		
95	92.2	64.8	97.2
174	88.4	65.4	98.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

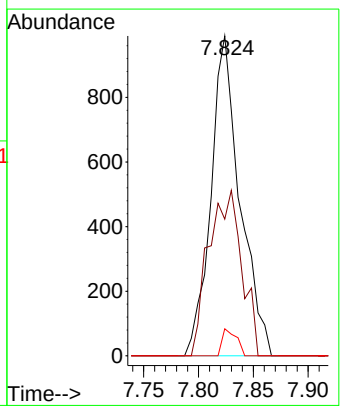
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

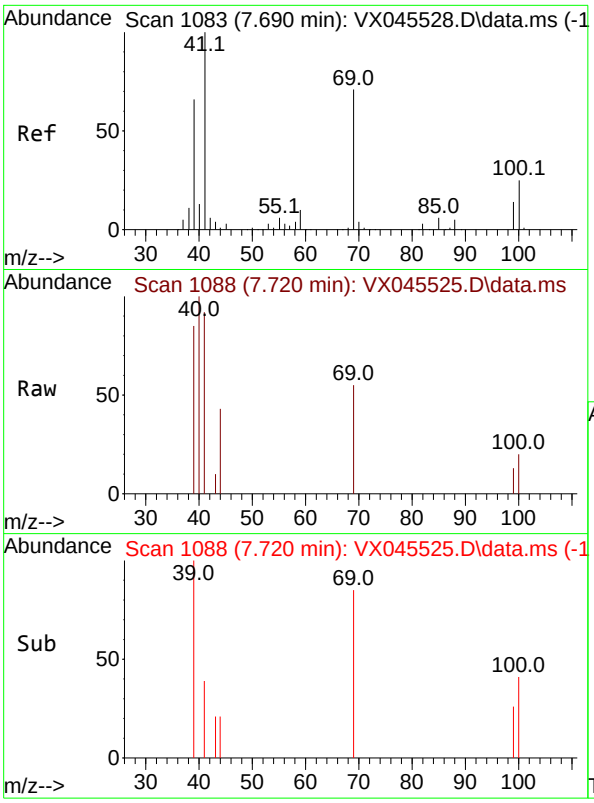


#47
Bromodichloromethane
Concen: 0.931 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1827

Ion	Ratio	Lower	Upper
83	100		
85	42.7	49.7	74.5#
127	8.5	6.1	9.1

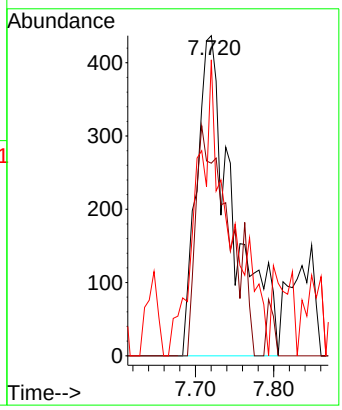




#48
Methyl methacrylate
Concen: 0.857 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 141

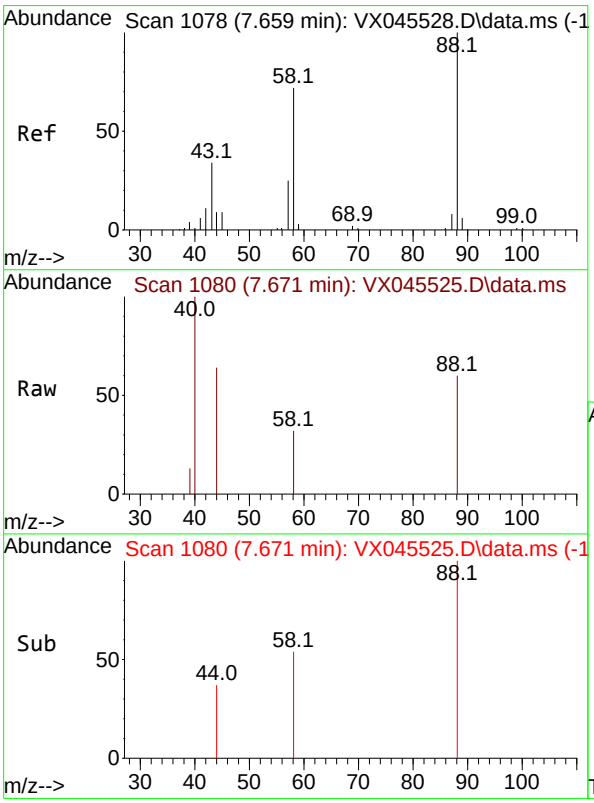
Ion	Ratio	Lower	Upper
41	100		
69	64.7	58.2	87.2
39	72.7	53.6	80.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

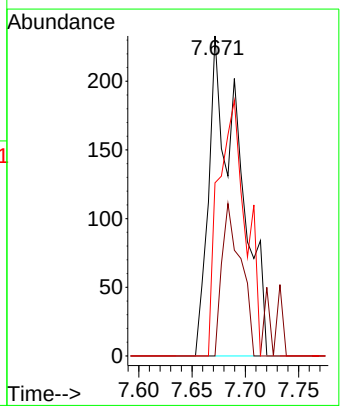
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

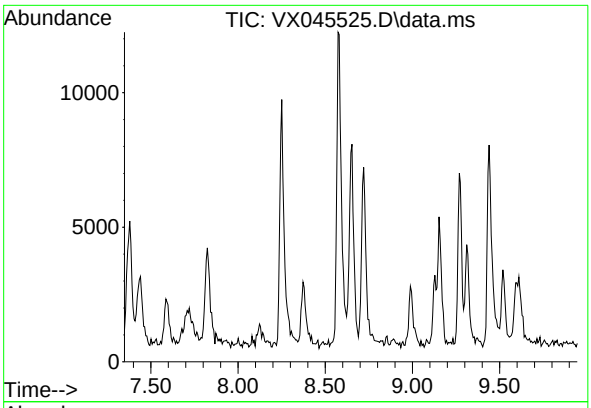


#49
1,4-Dioxane
Concen: 15.288 ug/l m
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 88 Resp: 458

Ion	Ratio	Lower	Upper
88	100		
43	30.3	32.2	48.4#
58	72.3	58.6	88.0





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

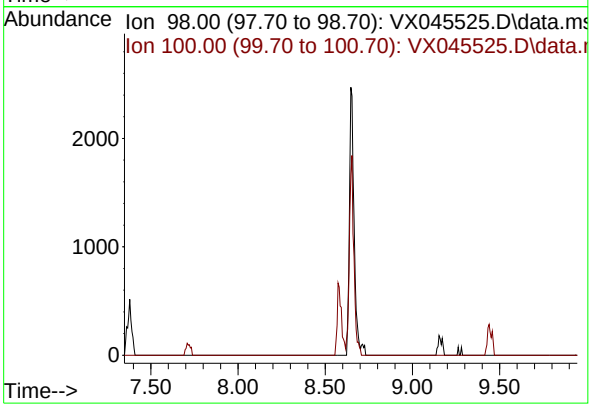
Tgt Ion: 98

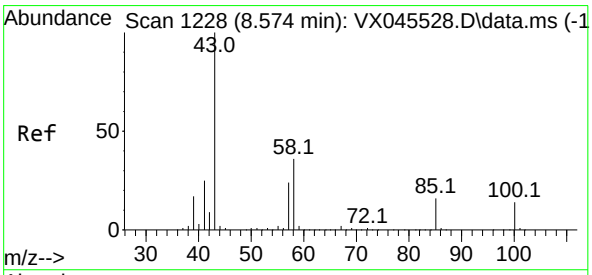
Sig	Exp Ratio
98	100
100	65.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

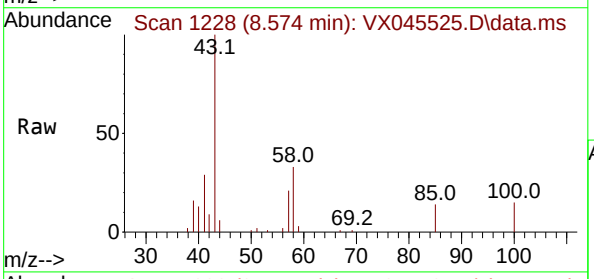


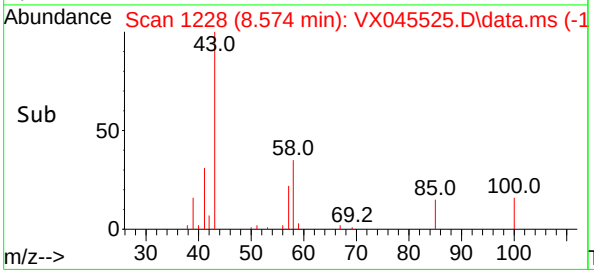


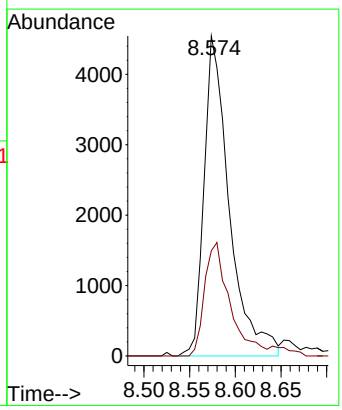
#51
4-Methyl-2-Pentanone
Concen: 4.114 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

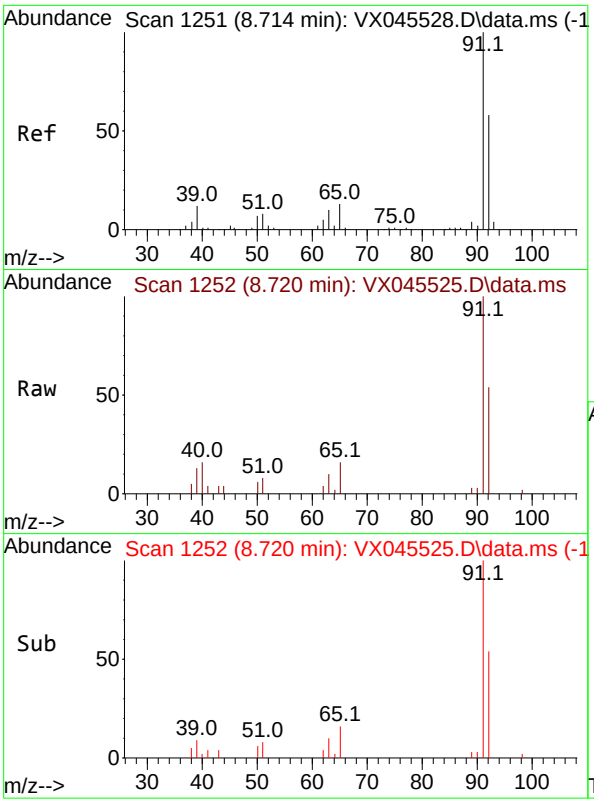
Tgt Ion: 43 Resp: 8746

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7





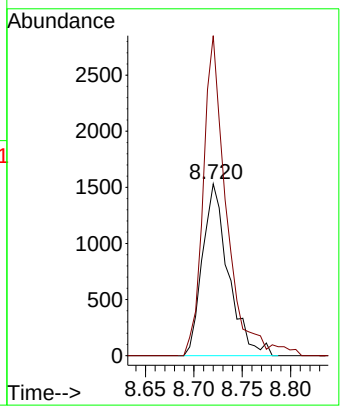




#52
Toluene
Concen: 0.923 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 92 Resp: 286

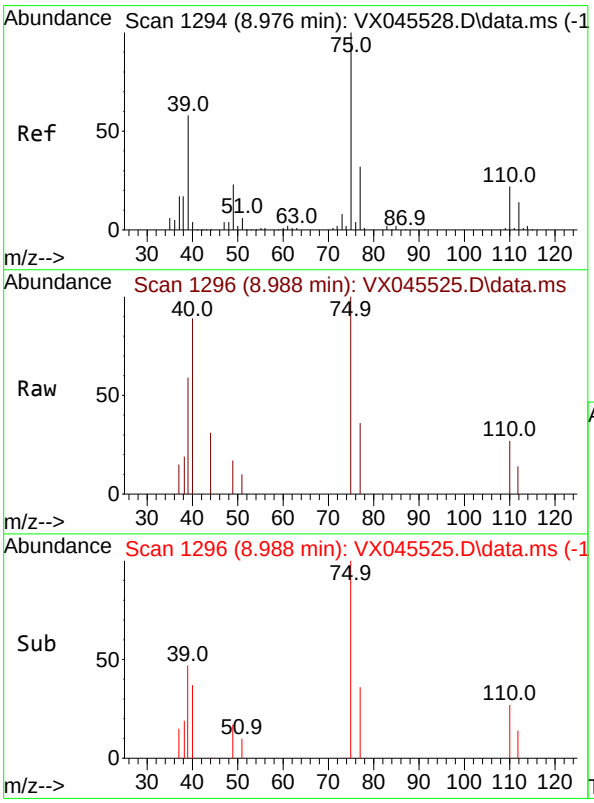
Ion	Ratio	Lower	Upper
92	100		
91	167.2	138.7	208.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

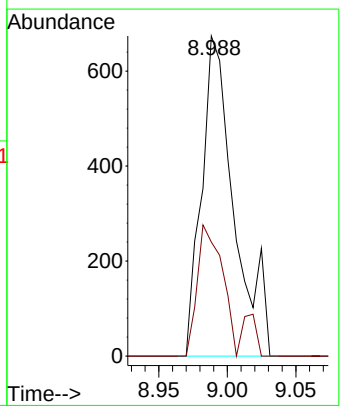
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

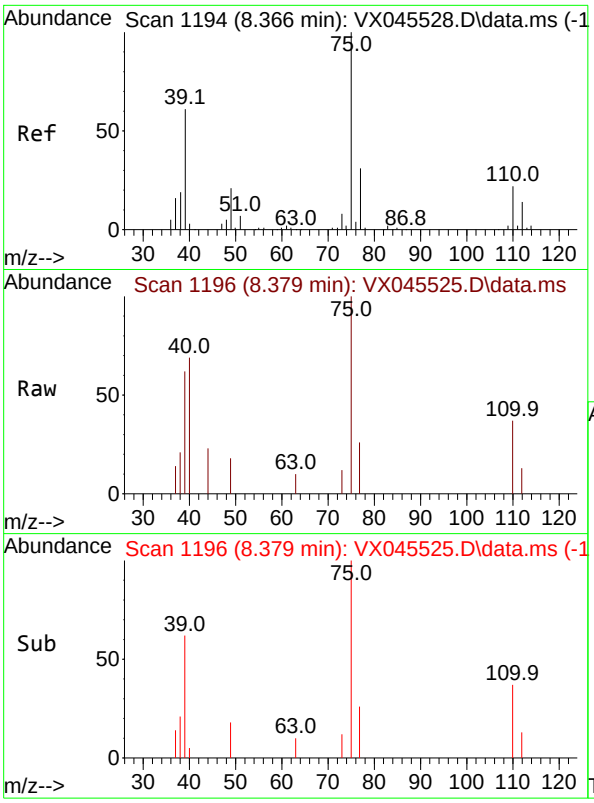


#53
t-1,3-Dichloropropene
Concen: 2.850 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1109

Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.4	38.0

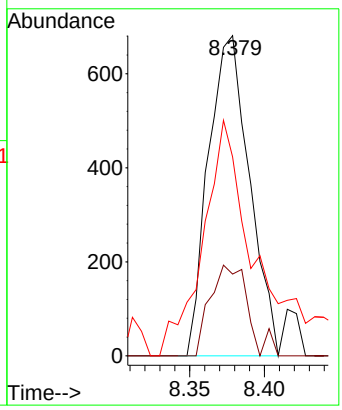




#54
cis-1,3-Dichloropropene
Concen: 0.705 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 130

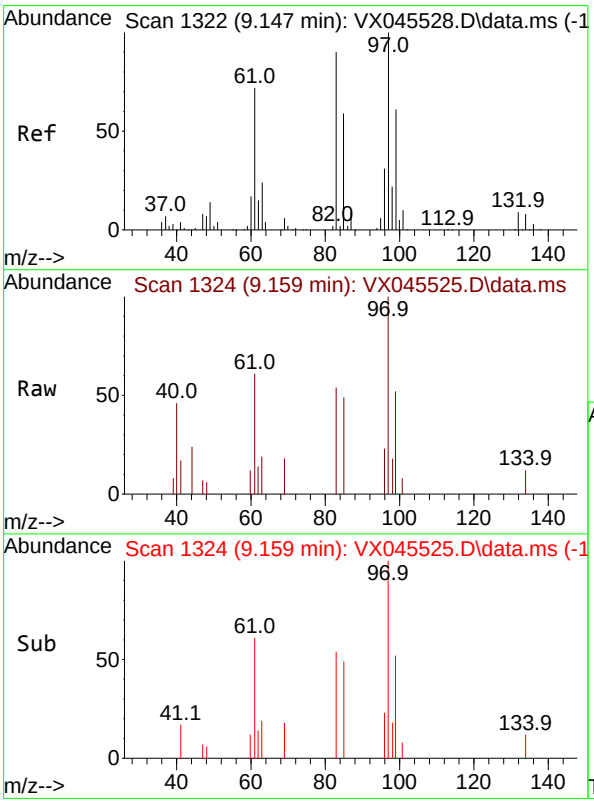
Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	36.8
39	52.4	48.4	72.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

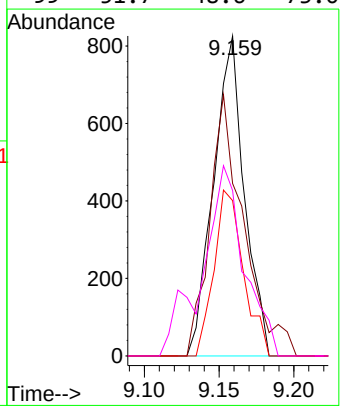
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

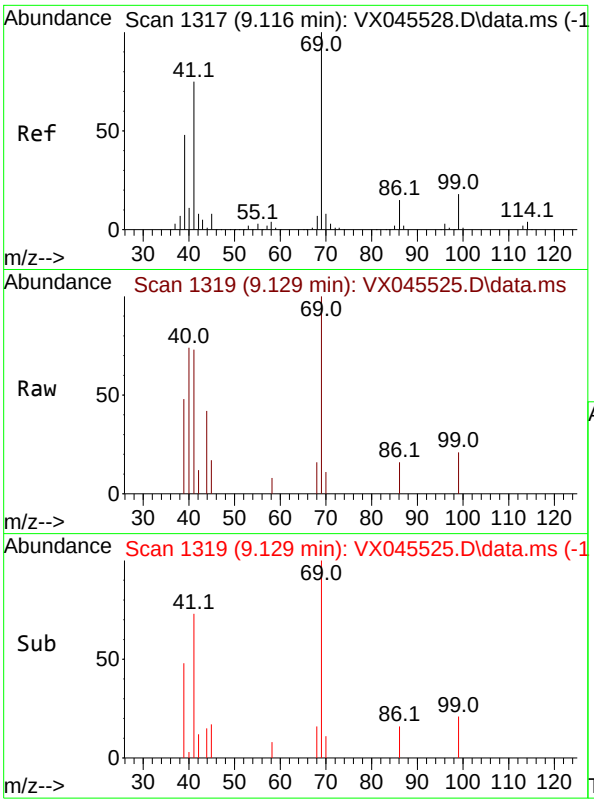


#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 1183

Ion	Ratio	Lower	Upper
97	100		
83	53.9	71.8	107.8#
85	48.5	47.0	70.6
99	51.7	48.6	73.0

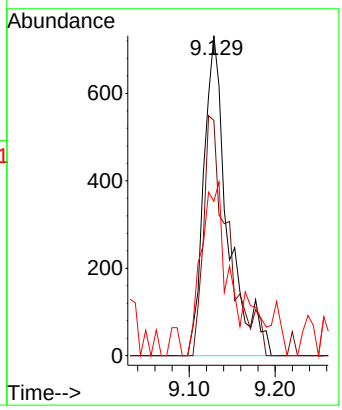




#56
Ethyl methacrylate
Concen: 0.745 ug/l m
RT: 9.129 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 69 Resp: 142

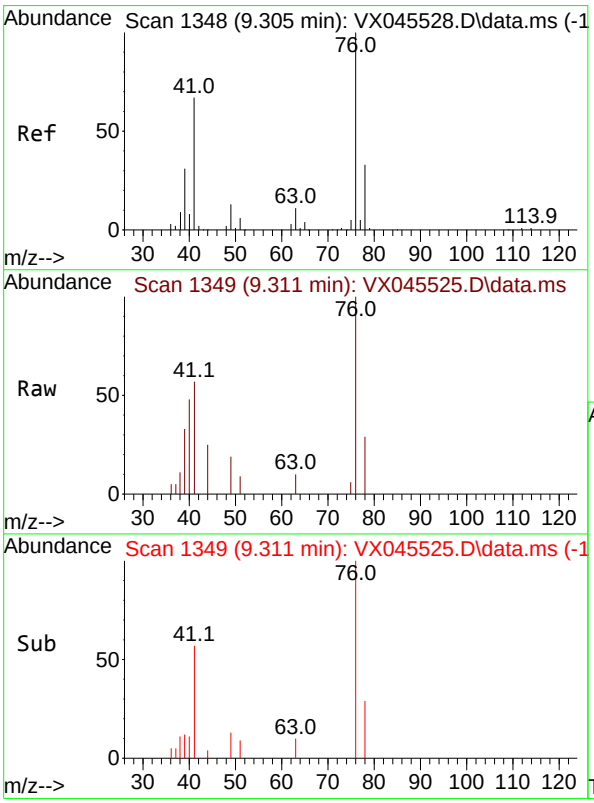
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.3	91.9
39	56.9	40.2	60.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

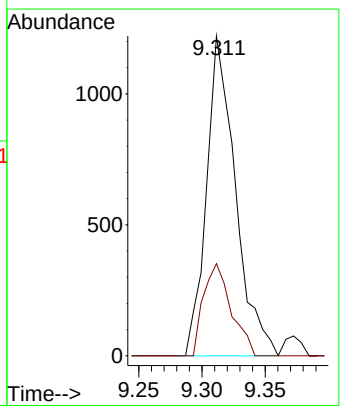
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

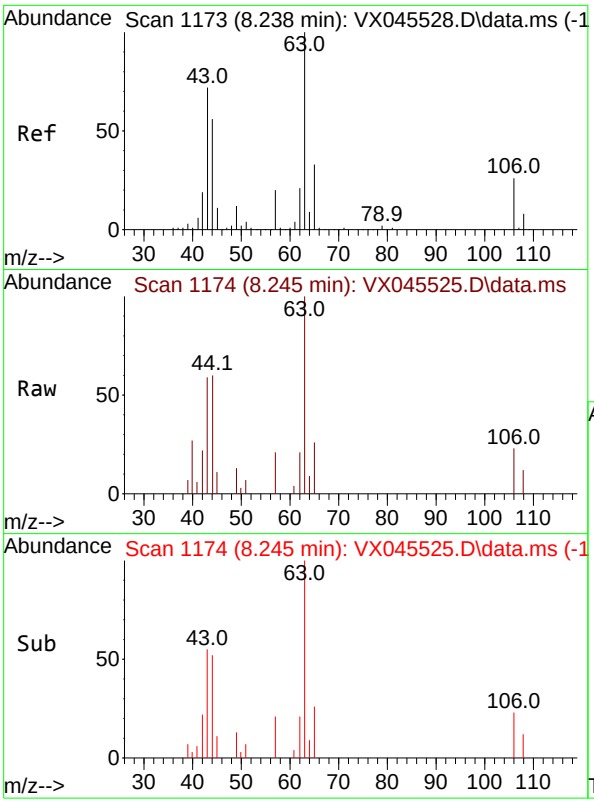


#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 76 Resp: 1946

Ion	Ratio	Lower	Upper
76	100		
78	27.5	26.0	39.0

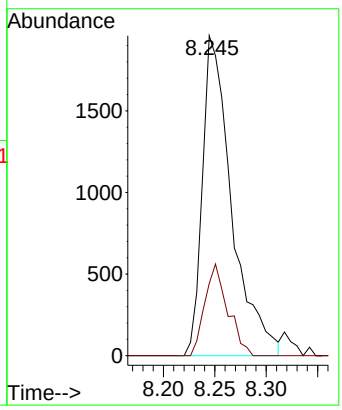




#58
2-Chloroethyl Vinyl ether
Concen: 4.008 ug/l
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 388

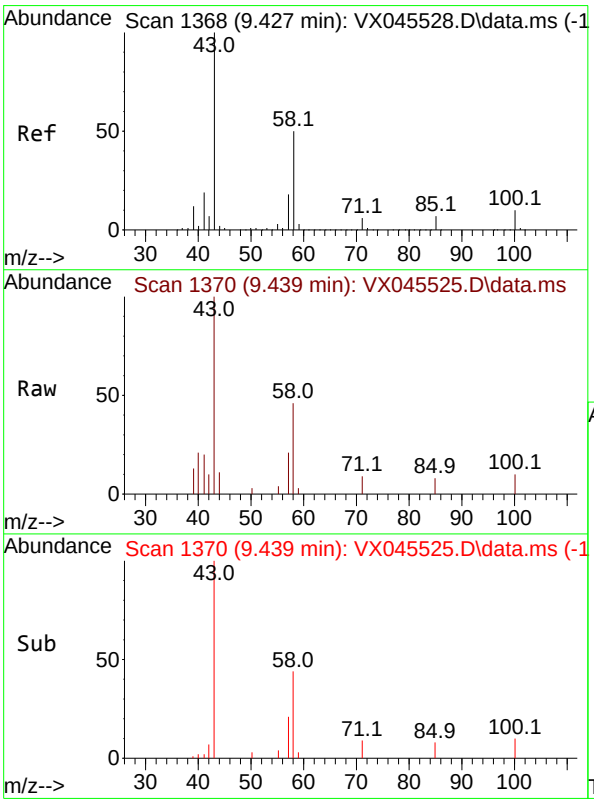
Ion	Ratio	Lower	Upper
63	100		
106	22.6	21.0	31.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

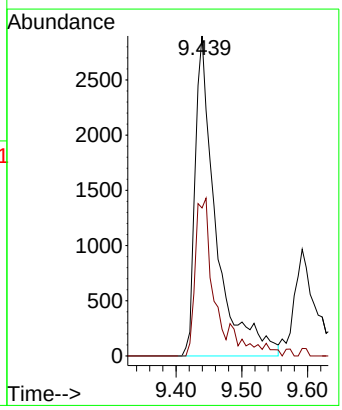
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

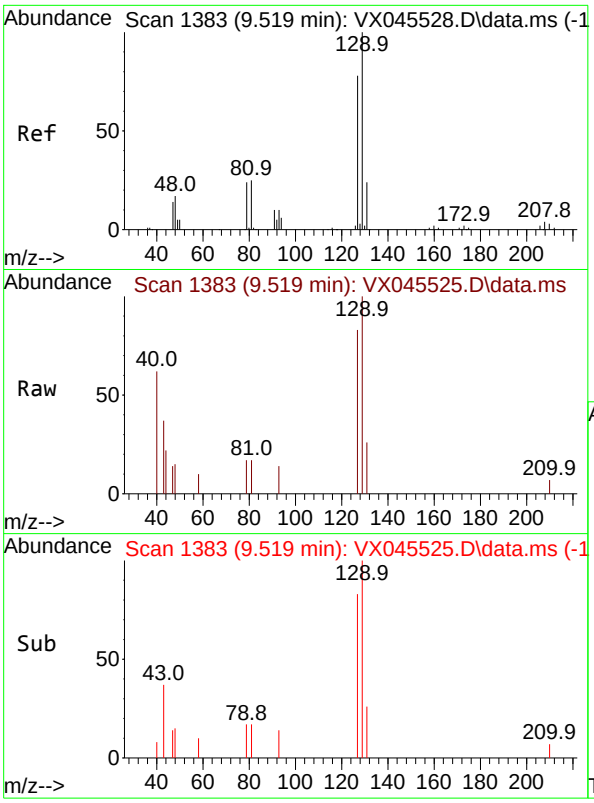


#59
2-Hexanone
Concen: 4.040 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 6360

Ion	Ratio	Lower	Upper
43	100		
58	39.5	24.9	74.6

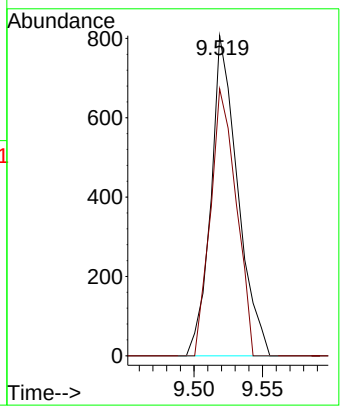




#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:129 Resp: 109

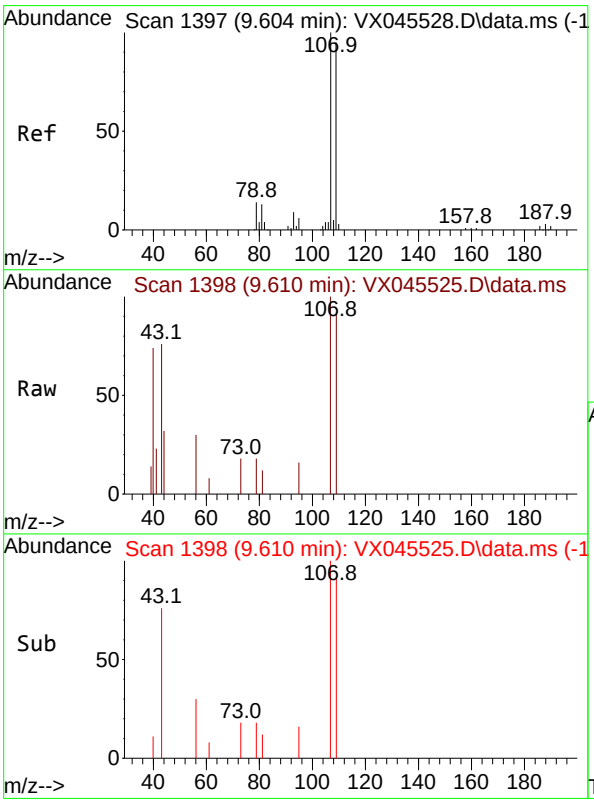
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

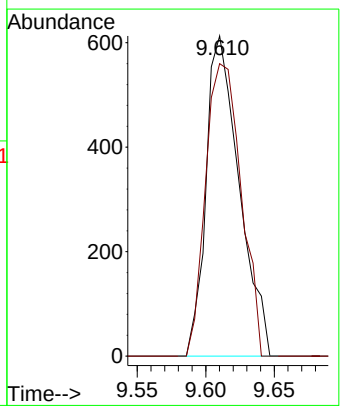
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

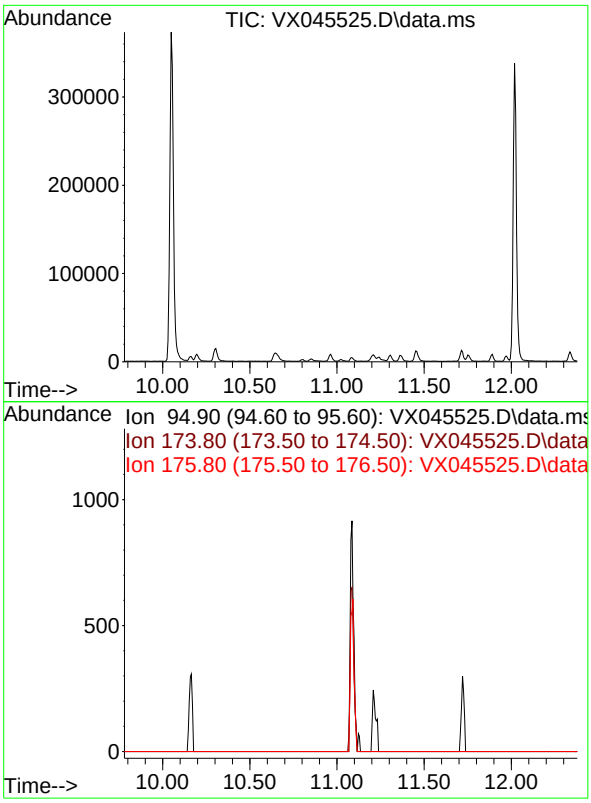


#61
1,2-Dibromoethane
Concen: 0.825 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:107 Resp: 1032

Ion	Ratio	Lower	Upper
107	100		
109	98.1	75.7	113.5





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

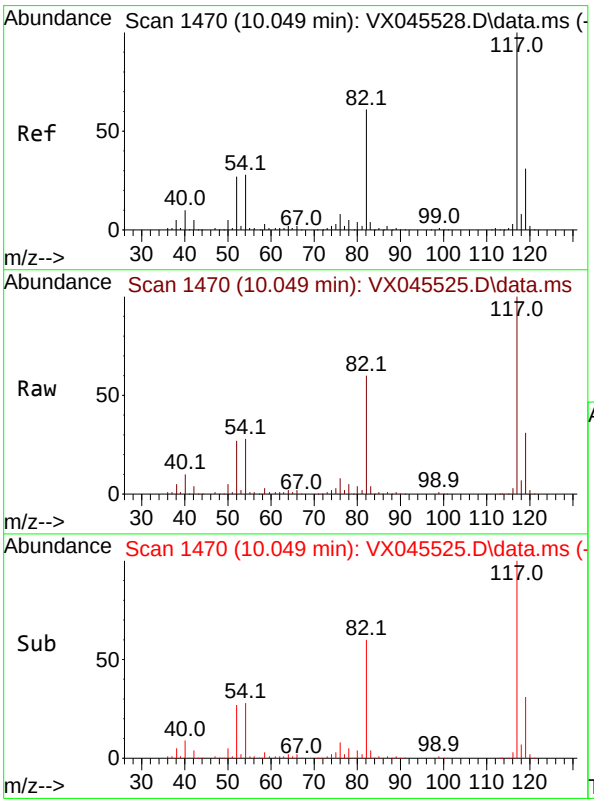
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

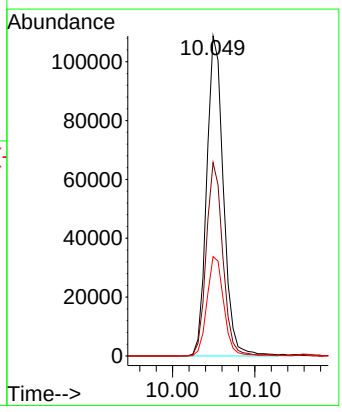
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

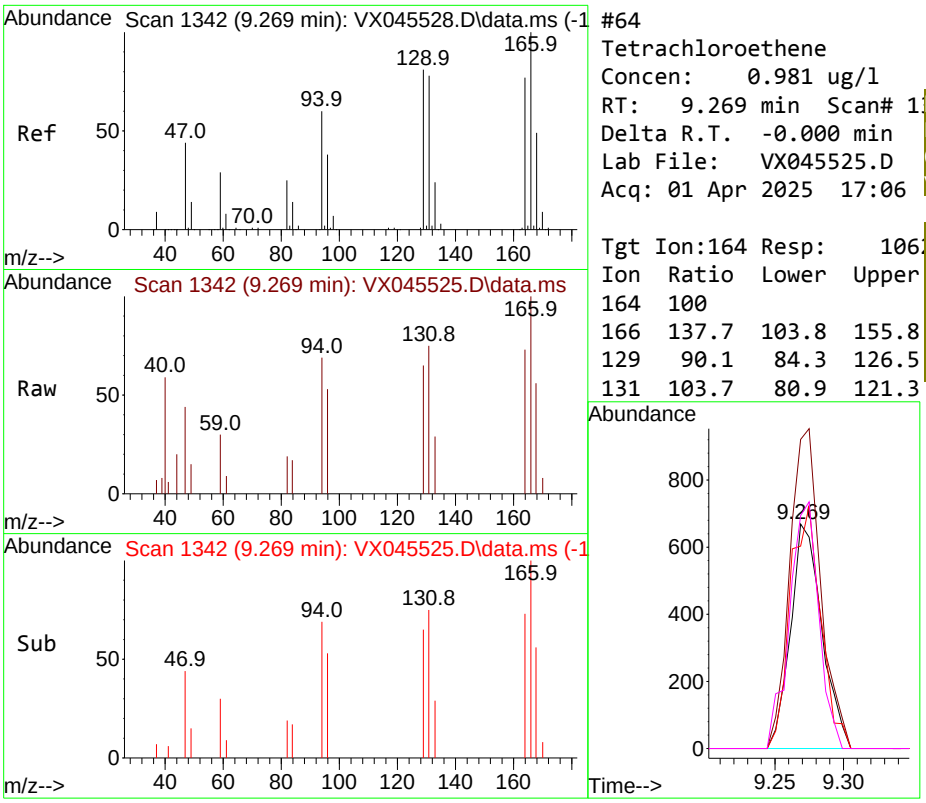


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 153312

Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.2	73.8
119	31.0	25.1	37.7





#64
Tetrachloroethene
Concen: 0.981 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

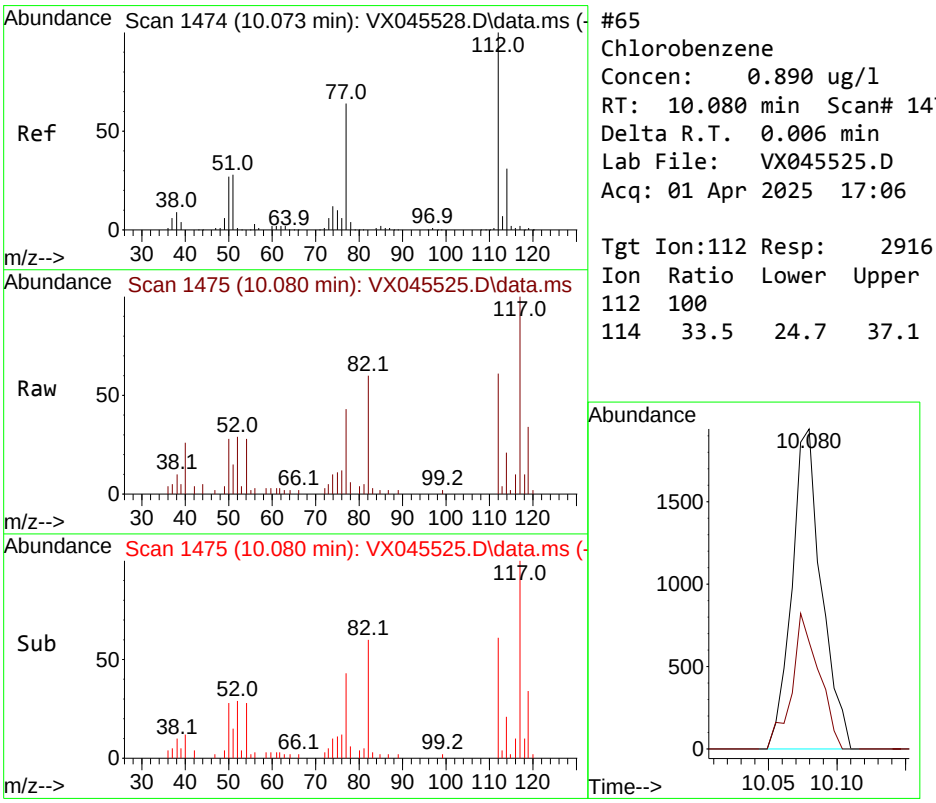
Tgt Ion:164 Resp: 106

Ion	Ratio	Lower	Upper
164	100		
166	137.7	103.8	155.8
129	90.1	84.3	126.5
131	103.7	80.9	121.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

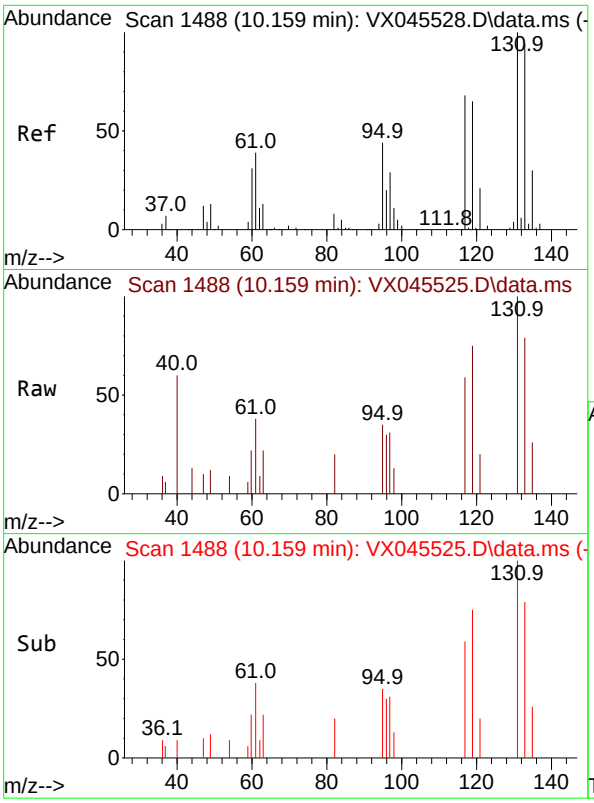
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#65
Chlorobenzene
Concen: 0.890 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:112 Resp: 2916

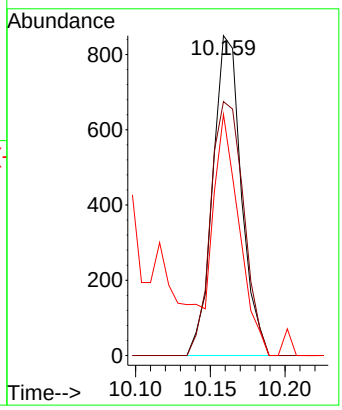
Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.7	37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 0.992 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:131 Resp: 112

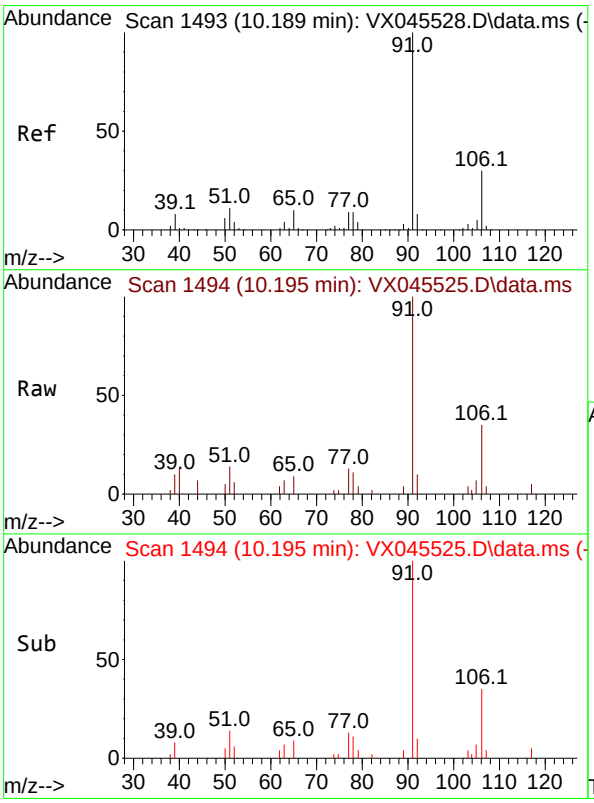
Ion	Ratio	Lower	Upper
131	100		
133	91.6	47.5	142.5
119	0.0	32.9	98.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

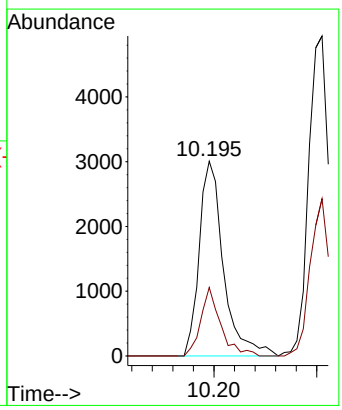
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

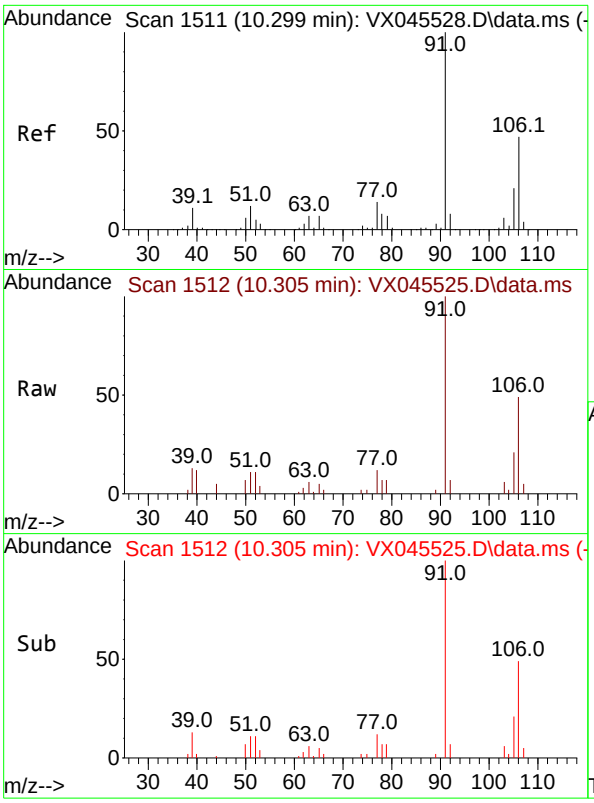


#67
Ethyl Benzene
Concen: 0.840 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 4930

Ion	Ratio	Lower	Upper
91	100		
106	35.2	23.7	35.5

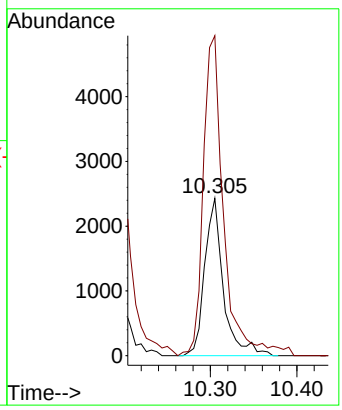




#68
m/p-Xylenes
Concen: 1.708 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 364

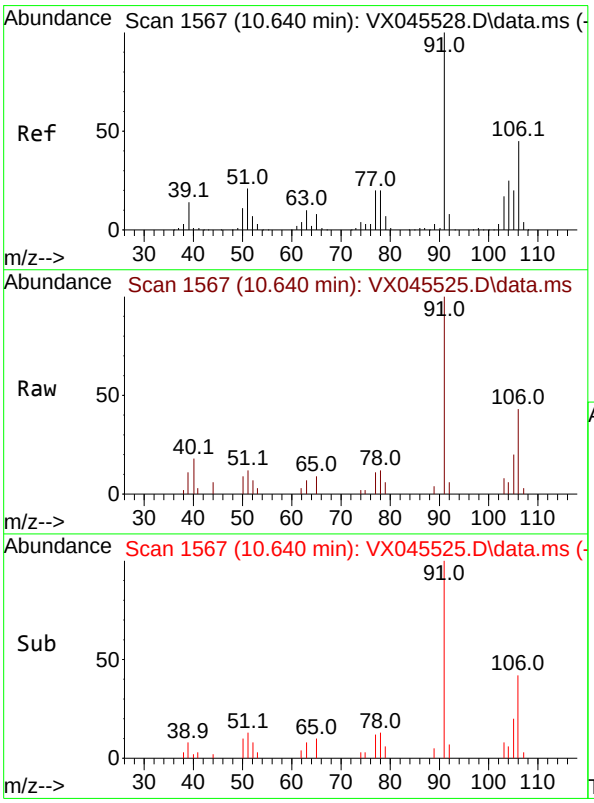
Ion	Ratio	Lower	Upper
106	100		
91	221.2	172.6	258.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

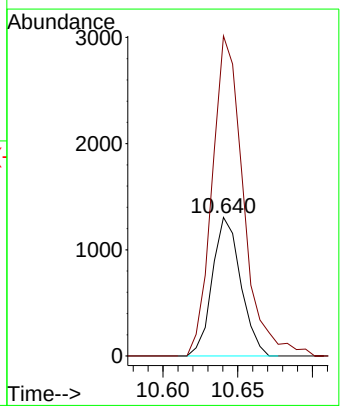
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

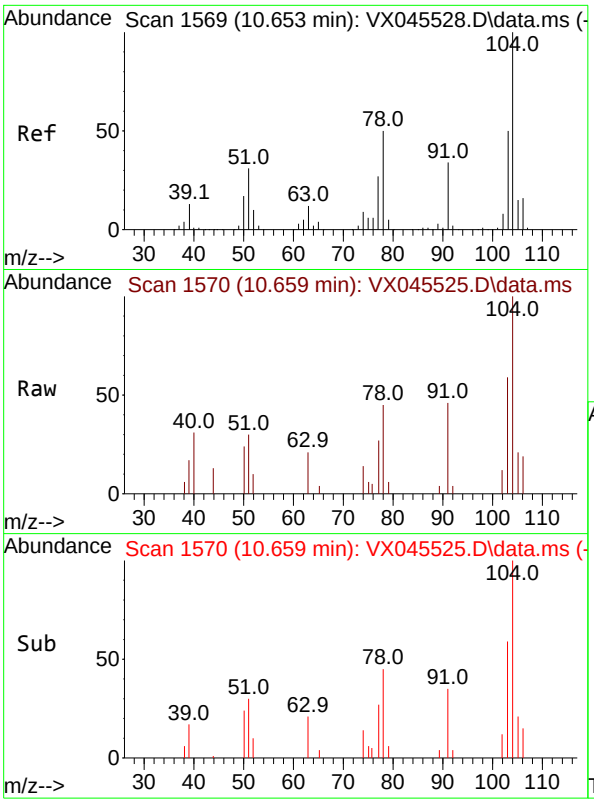


#69
o-Xylene
Concen: 0.820 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 1724

Ion	Ratio	Lower	Upper
106	100		
91	254.4	113.6	340.6

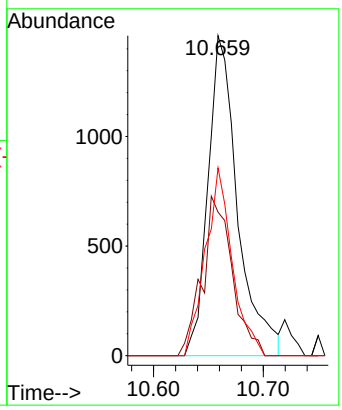




#70
Styrene
Concen: 0.793 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:104 Resp: 275

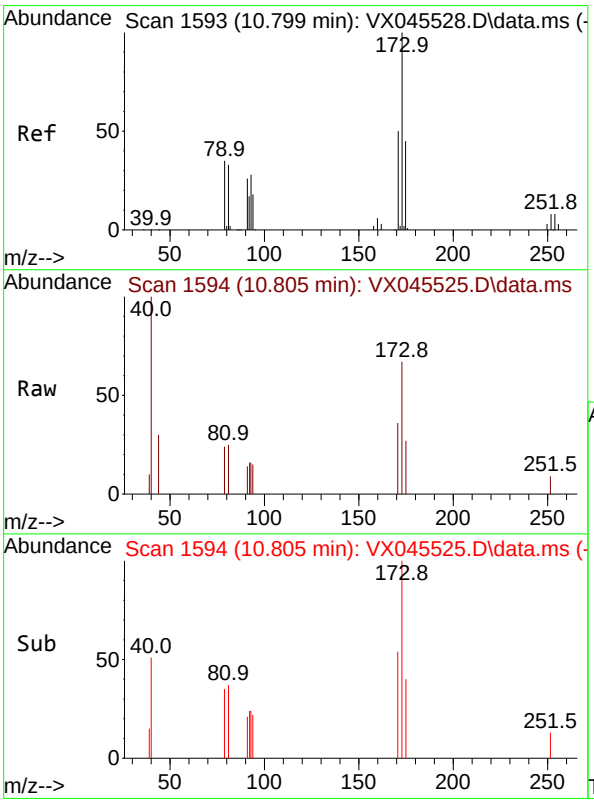
Ion	Ratio	Lower	Upper
104	100		
78	50.1	45.4	68.2
103	53.2	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

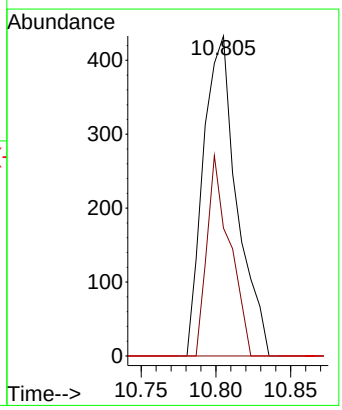
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

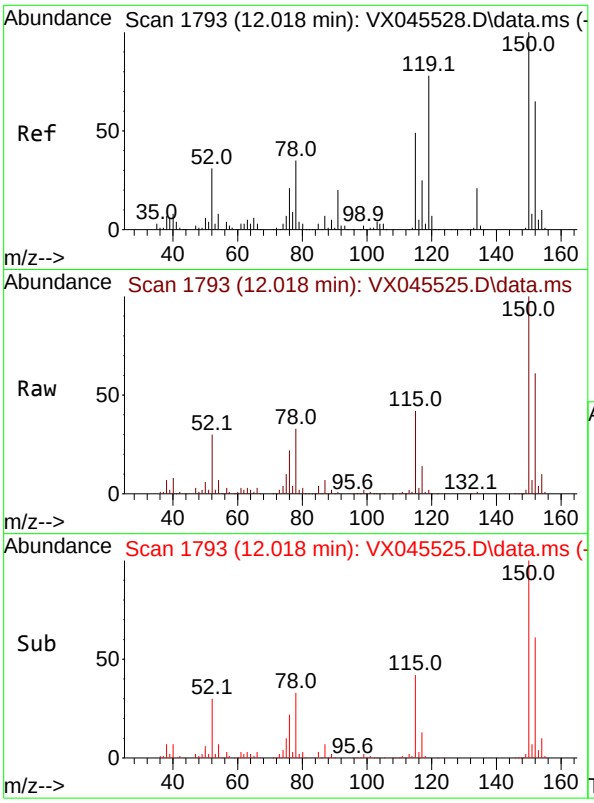


#71
Bromoform
Concen: 0.795 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:173 Resp: 675

Ion	Ratio	Lower	Upper
173	100		
175	42.7	23.4	70.2
254	0.0	0.0	0.0

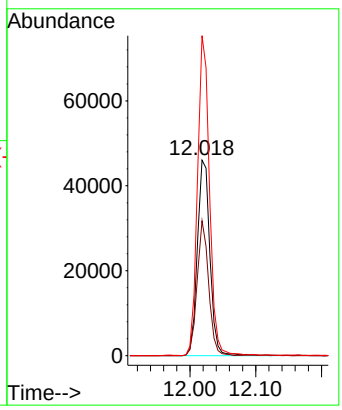




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:152 Resp: 6111

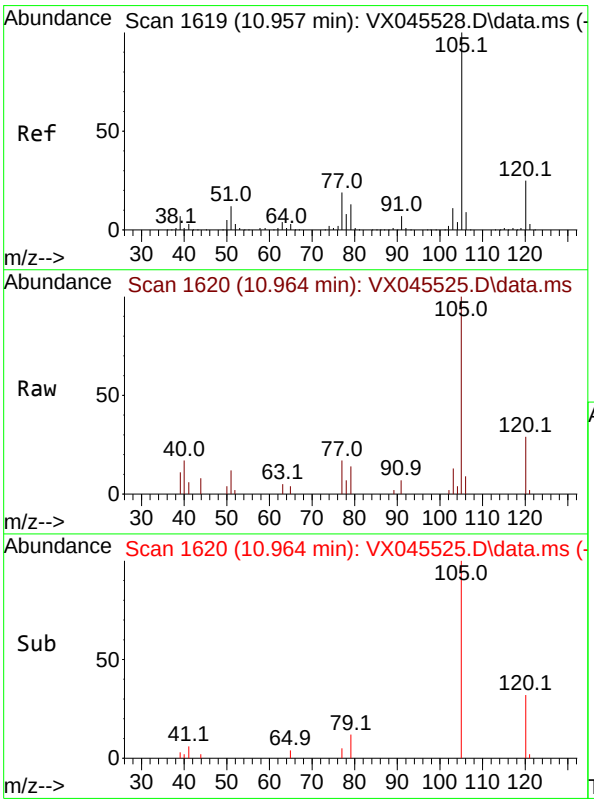
Ion	Ratio	Lower	Upper
152	100		
115	63.5	46.9	140.7
150	155.9	0.0	349.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

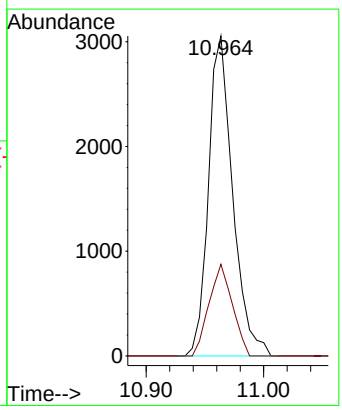
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

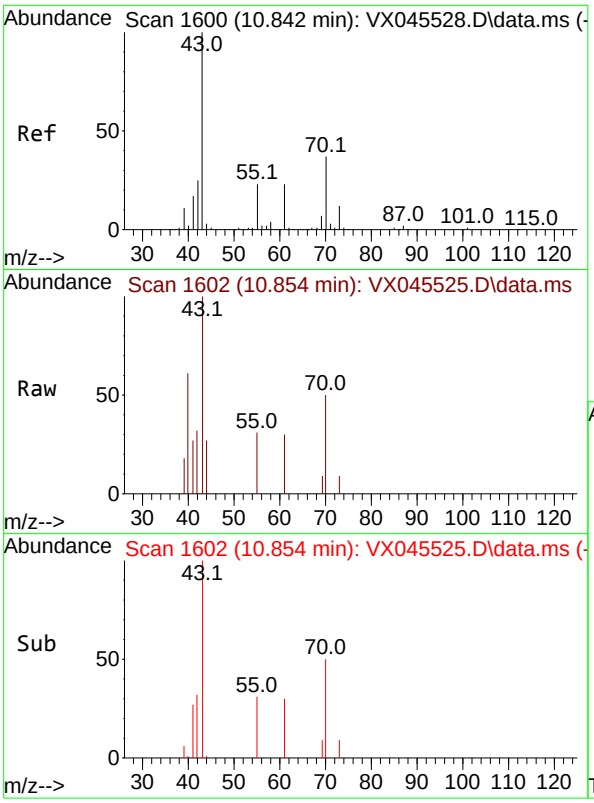


#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 4377

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.7	38.0

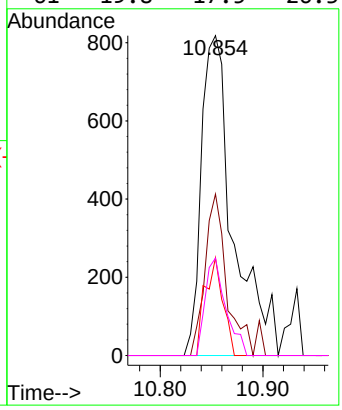




#74
N-amyl acetate
Concen: 0.752 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 176

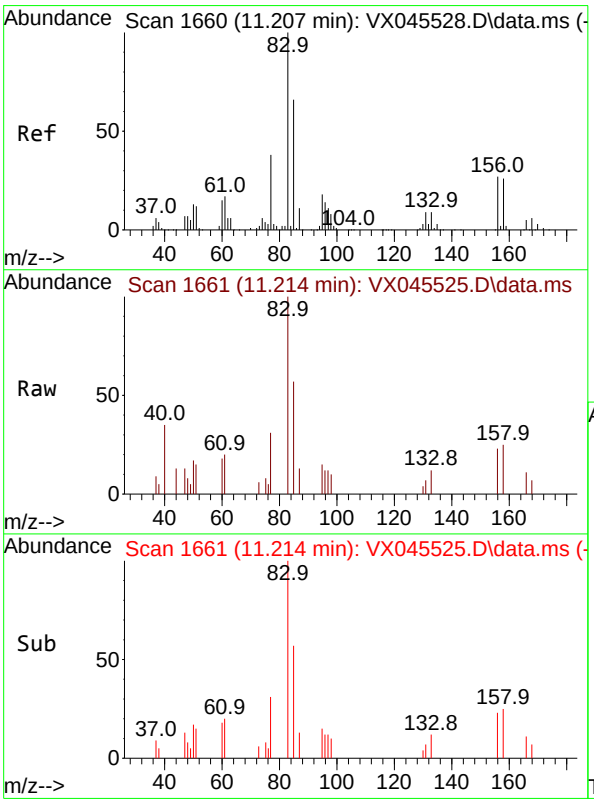
Ion	Ratio	Lower	Upper
43	100		
70	34.4	30.1	45.1
55	17.3	18.3	27.5
61	19.8	17.5	26.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

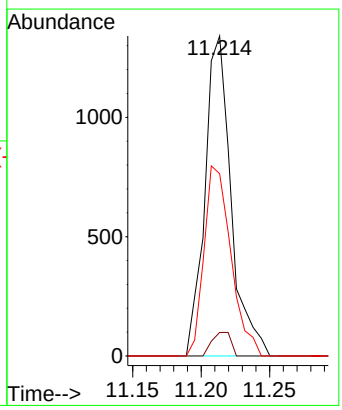
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

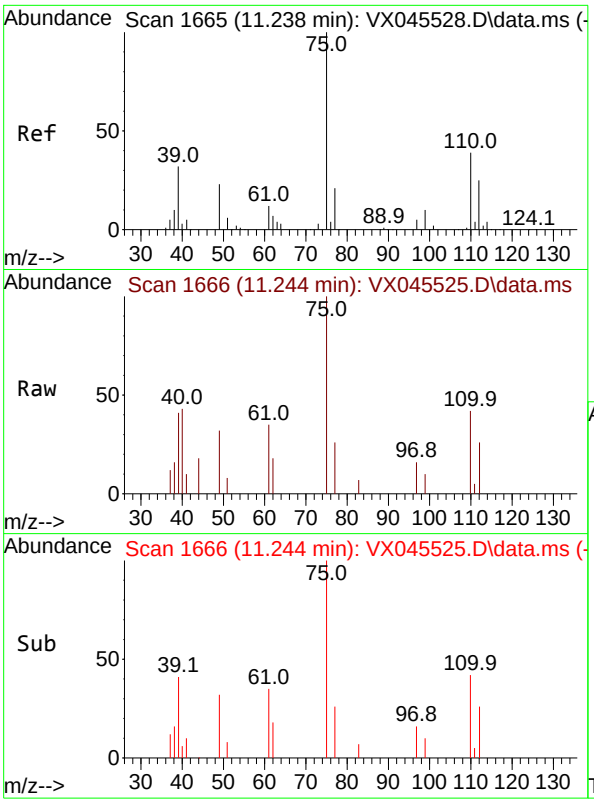


#75
1,1,2,2-Tetrachloroethane
Concen: 1.036 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1781

Ion	Ratio	Lower	Upper
83	100		
131	5.3	4.7	14.1
85	61.1	32.4	97.2

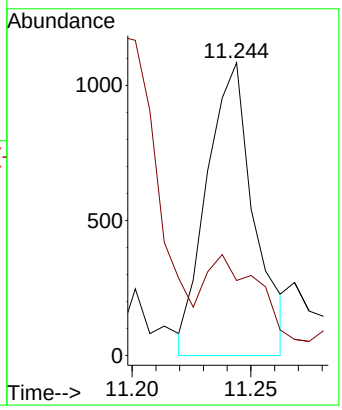




#76
1,2,3-Trichloropropane
Concen: 1.002 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 149

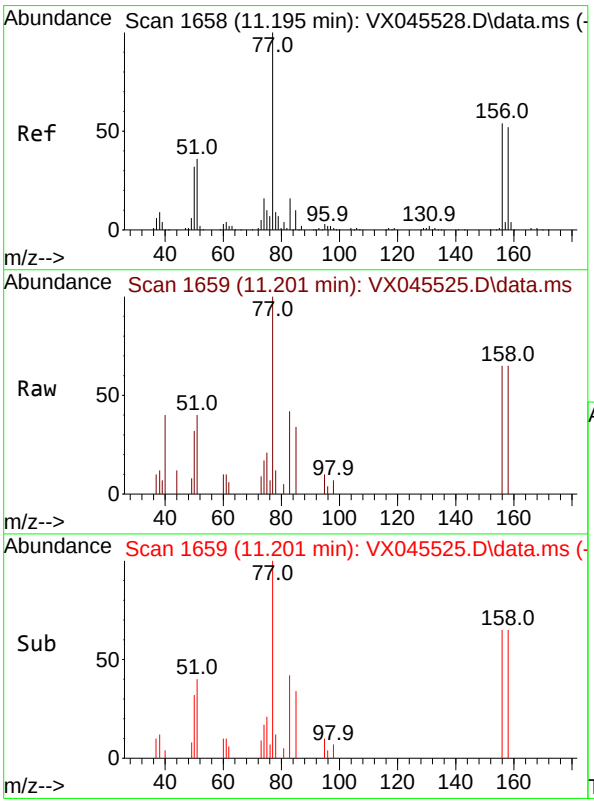
Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.0	59.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

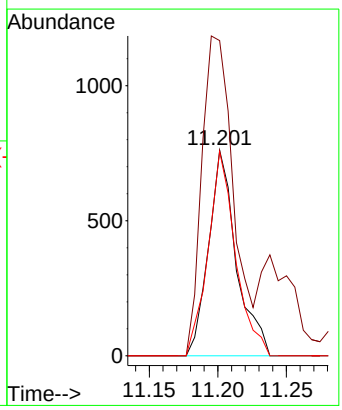
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

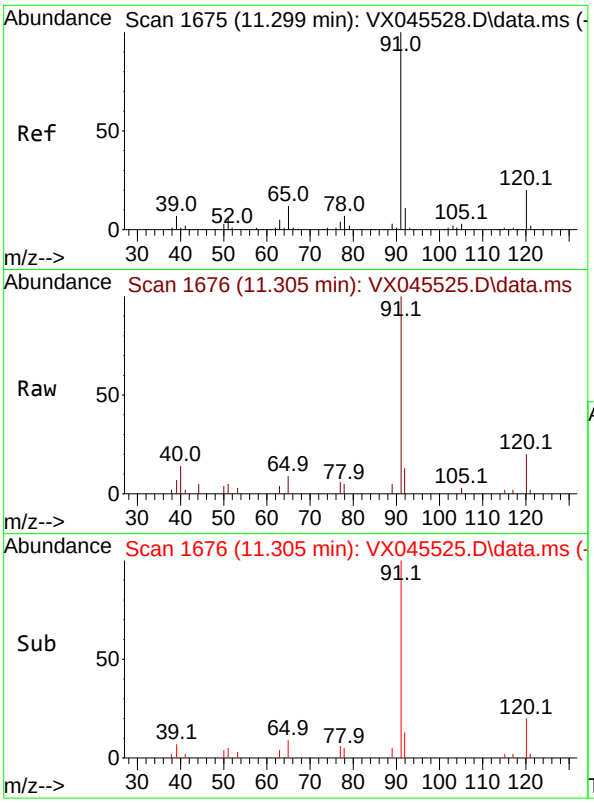


#77
Bromobenzene
Concen: 0.948 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:156 Resp: 1072

Ion	Ratio	Lower	Upper
156	100		
77	176.5	92.6	277.8
158	98.4	48.1	144.4

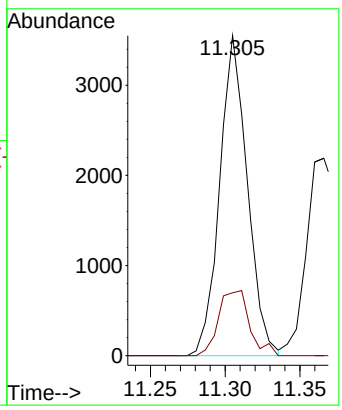




#78
n-propylbenzene
Concen: 0.809 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 456

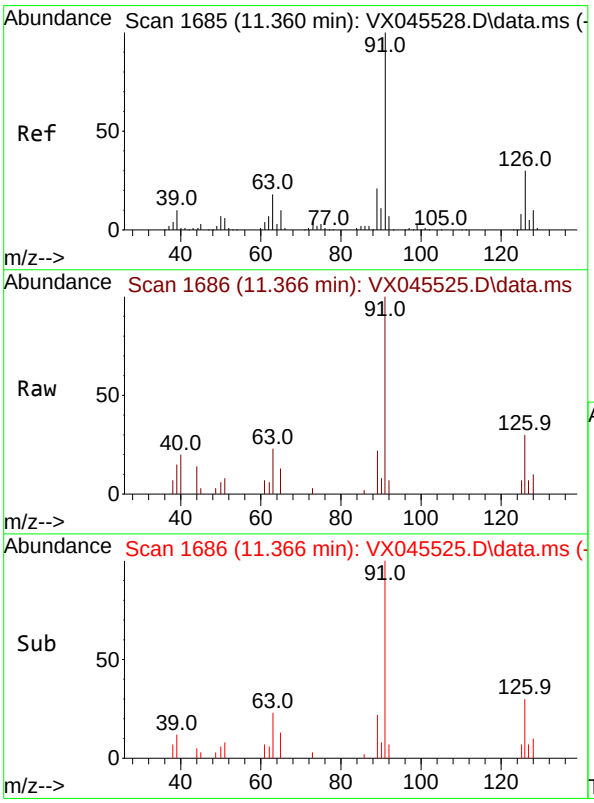
Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.8	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

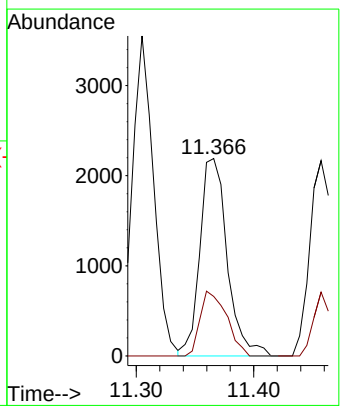
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

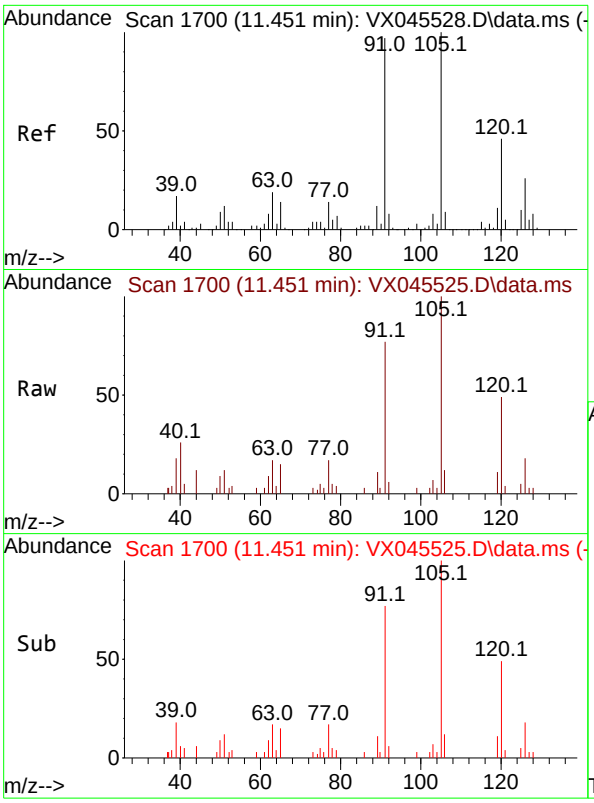


#79
2-Chlorotoluene
Concen: 0.981 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3537

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.4

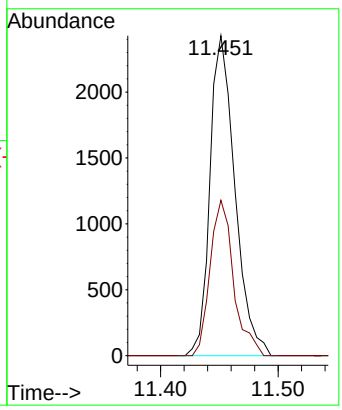




#80
1,3,5-Trimethylbenzene
Concen: 0.885 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 358

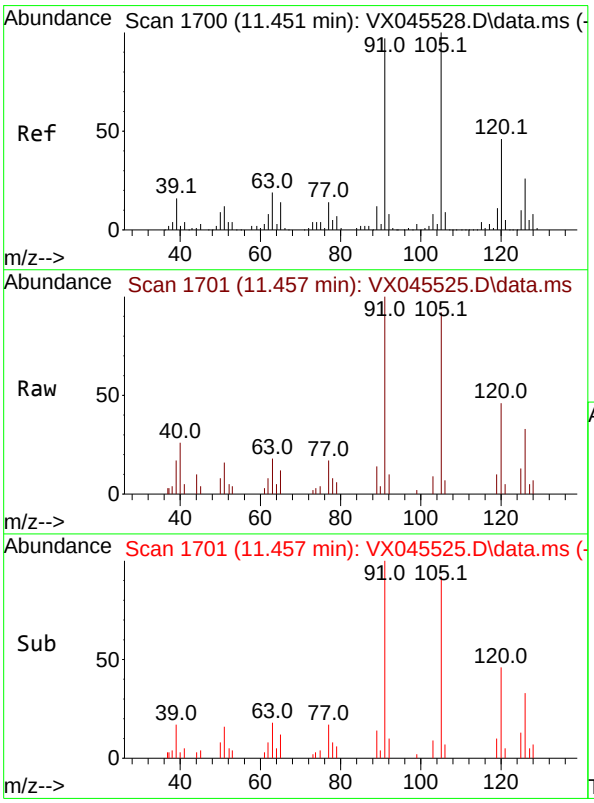
Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

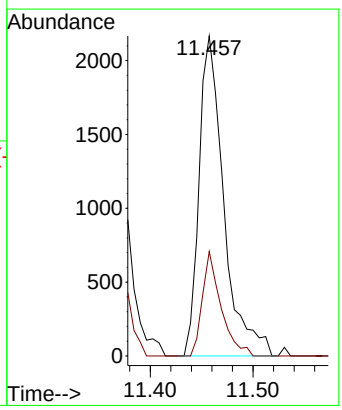
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

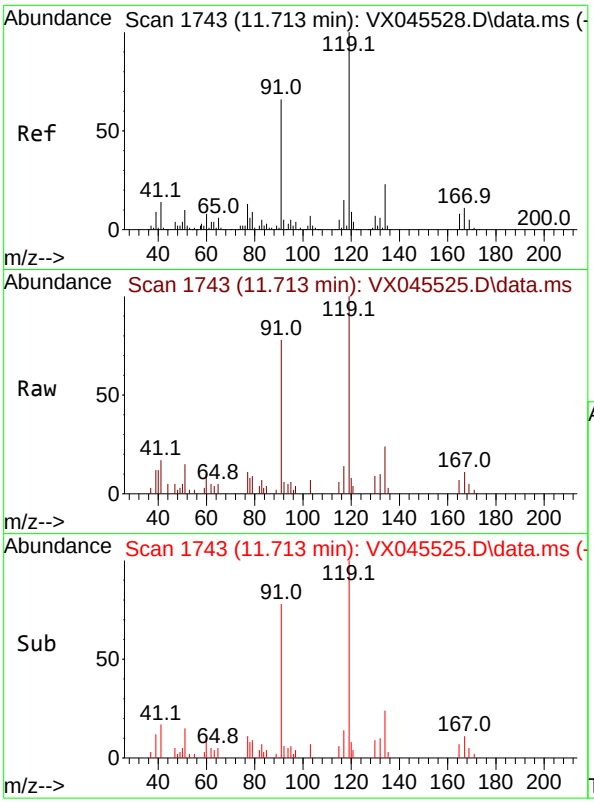


#82
4-Chlorotoluene
Concen: 0.900 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3619

Ion	Ratio	Lower	Upper
91	100		
126	24.7	13.3	39.9

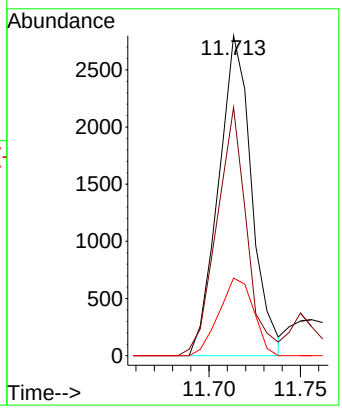




#83
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 353

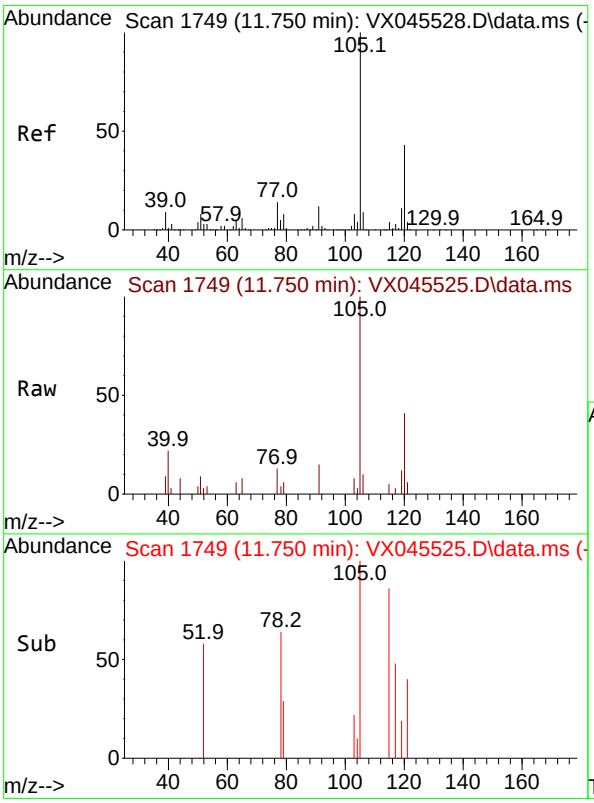
Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.4	97.2
134	25.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

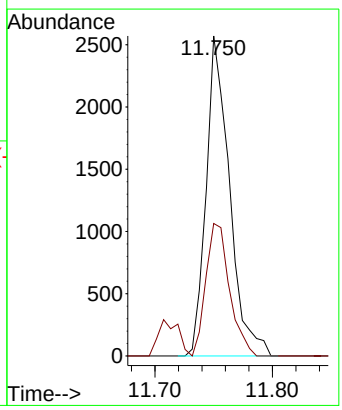
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

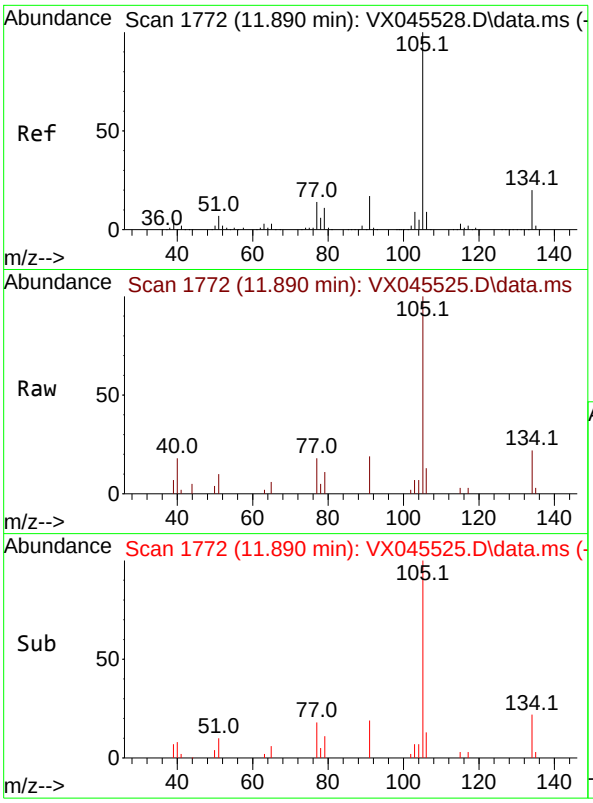


#84
1,2,4-Trimethylbenzene
Concen: 0.874 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 3552

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.4	64.3





#85
sec-Butylbenzene
Concen: 0.793 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

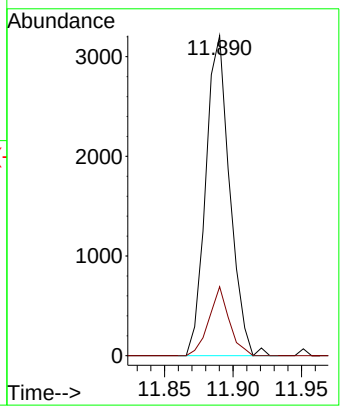
Tgt Ion:105 Resp: 390

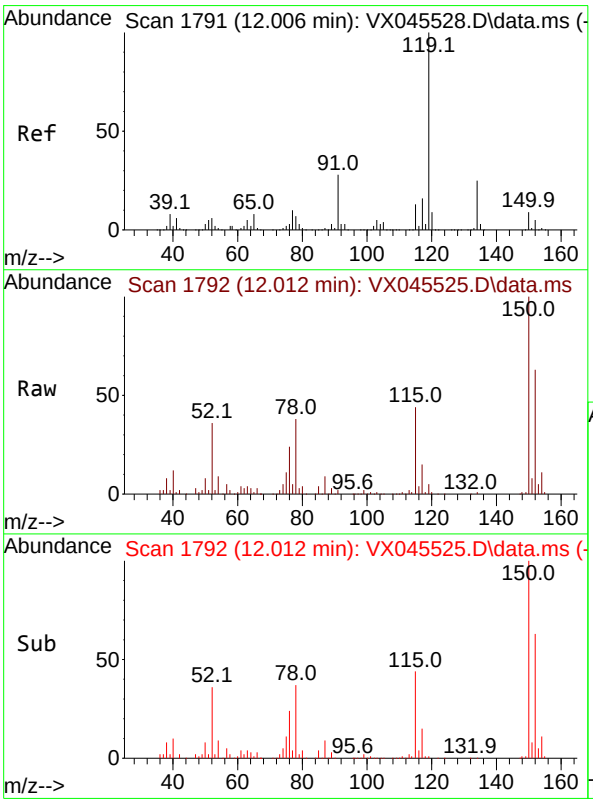
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

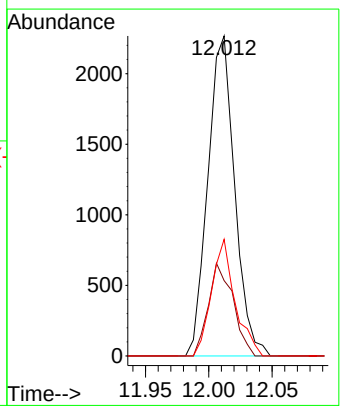


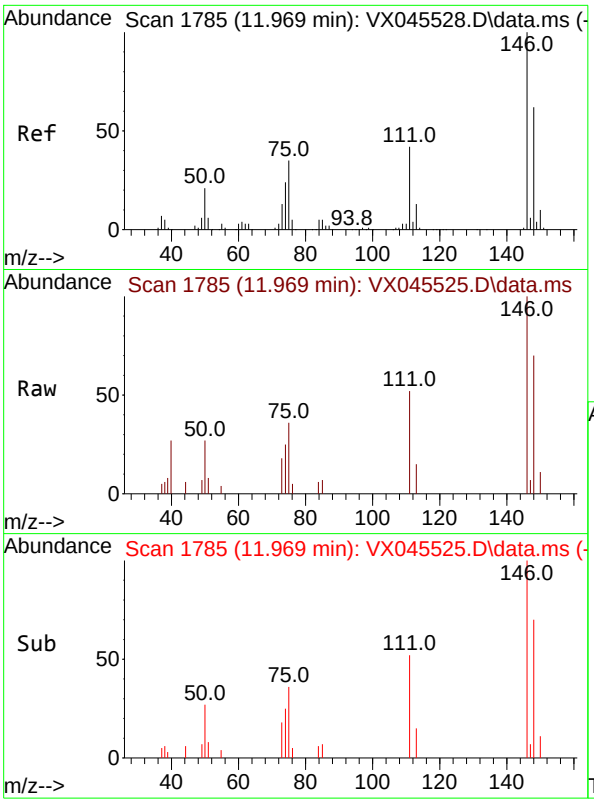


#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 3342

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.6	37.8
91	31.9	13.7	41.1

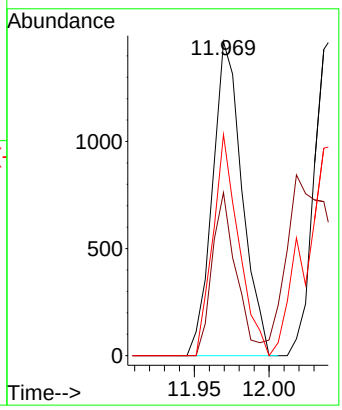




#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 202

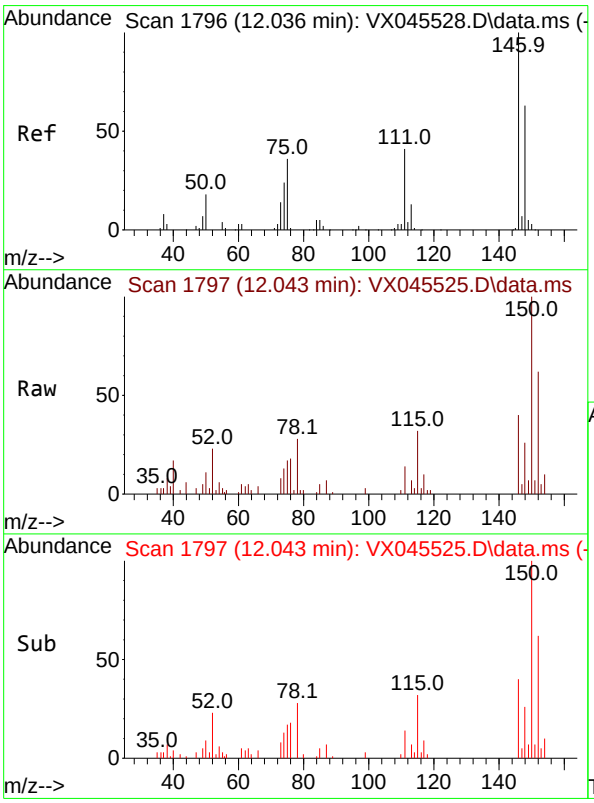
Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	61.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

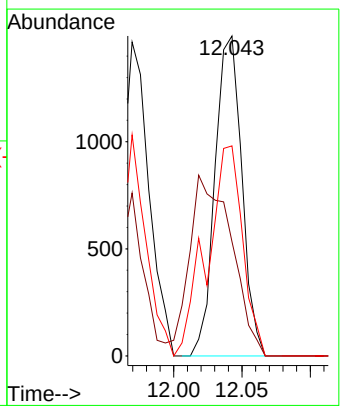
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

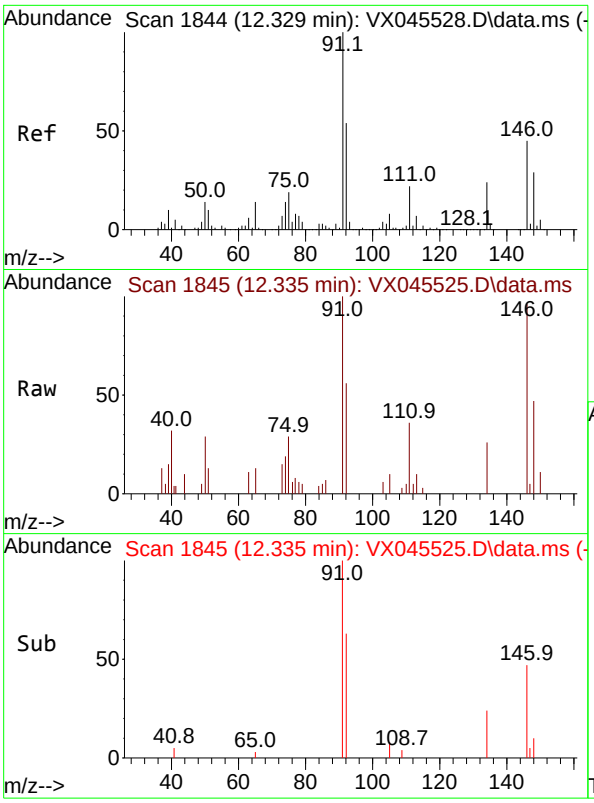


#88
1,4-Dichlorobenzene
Concen: 0.978 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 2042

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	60.7	31.5	94.5

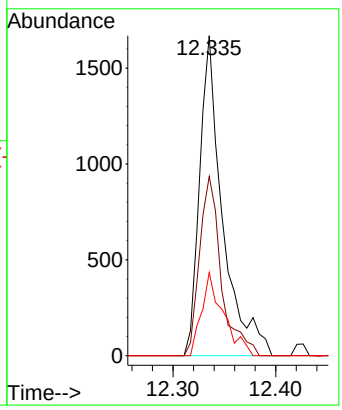




#89
n-Butylbenzene
Concen: 0.735 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 258

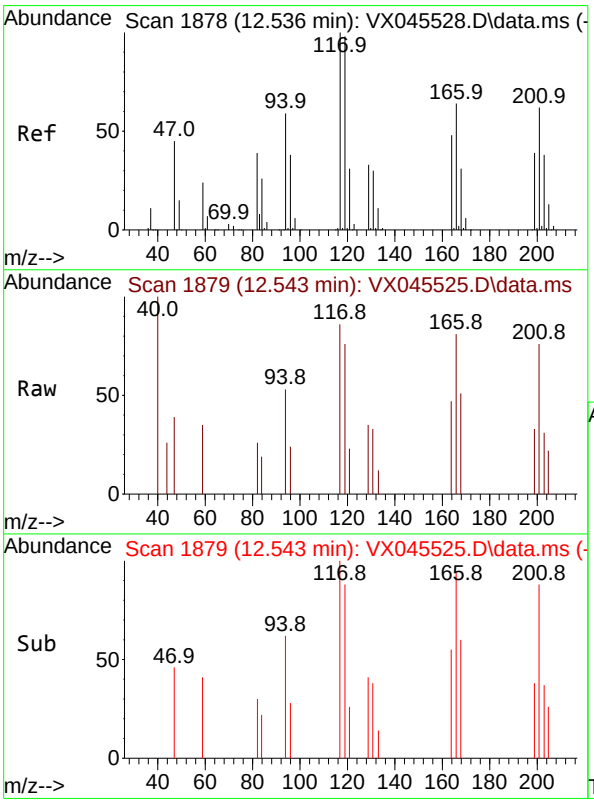
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

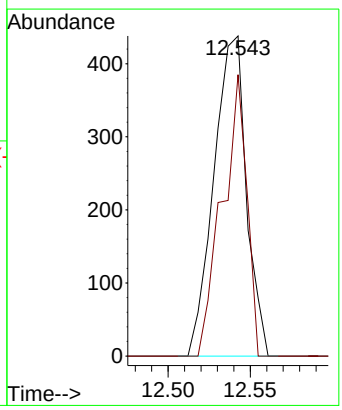
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

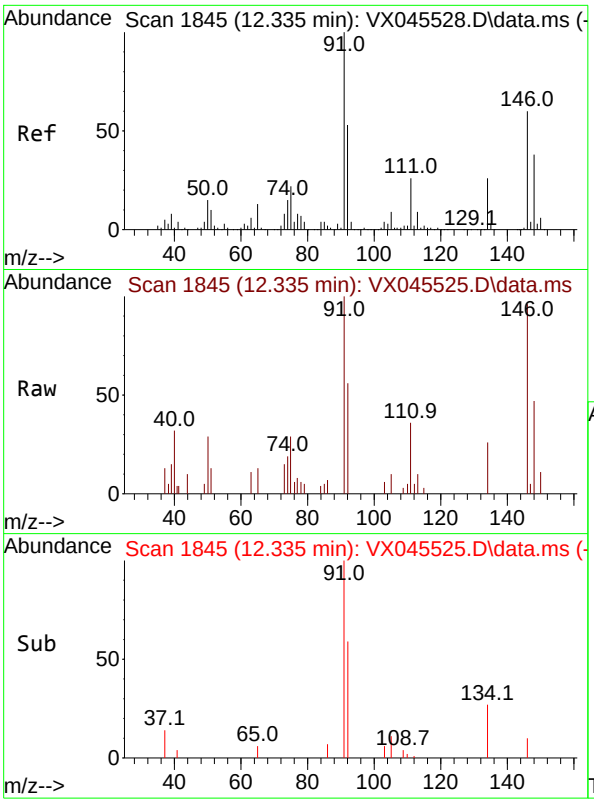


#90
Hexachloroethane
Concen: 0.863 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 602

Ion	Ratio	Lower	Upper
117	100		
201	66.3	31.2	93.6

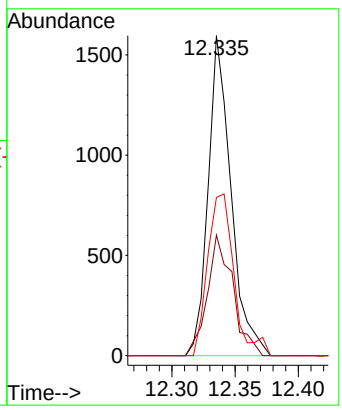




#91
1,2-Dichlorobenzene
Concen: 0.981 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 200

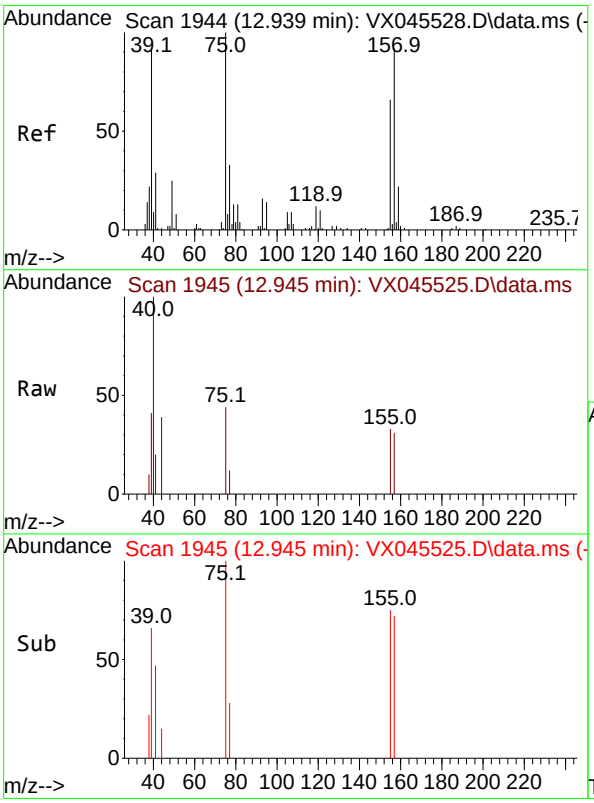
Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.9	68.8
148	58.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

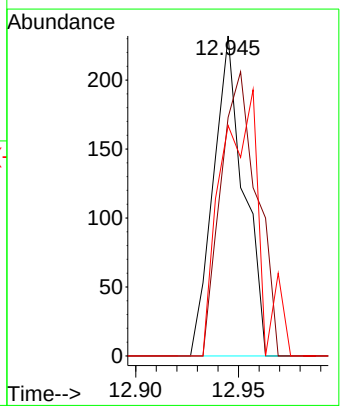
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

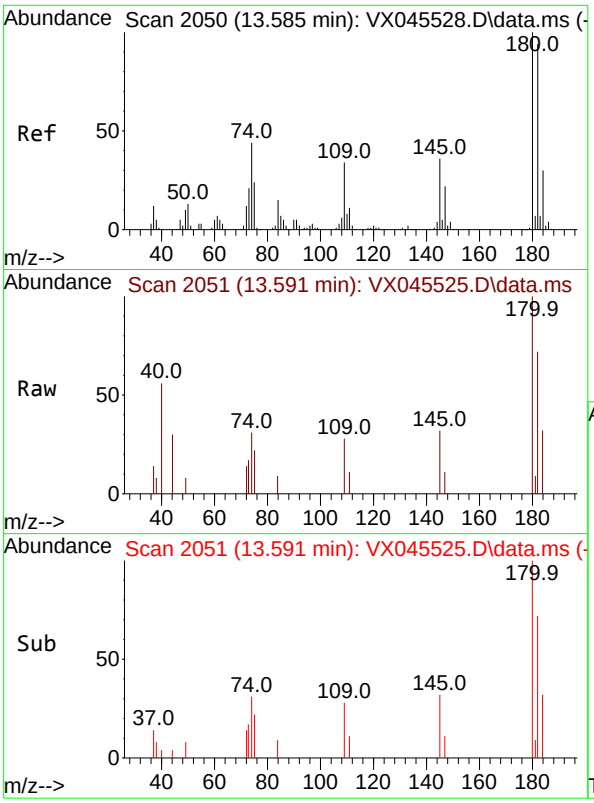


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.665 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 239

Ion	Ratio	Lower	Upper
75	100		
155	105.4	34.9	104.7#
157	103.8	44.9	134.7

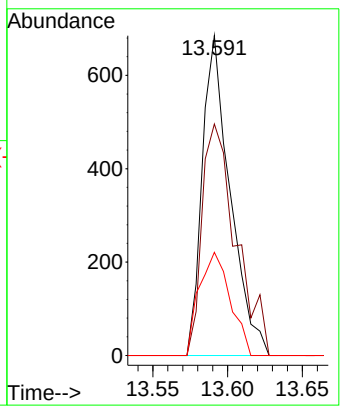




#93
1,2,4-Trichlorobenzene
Concen: 0.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 88

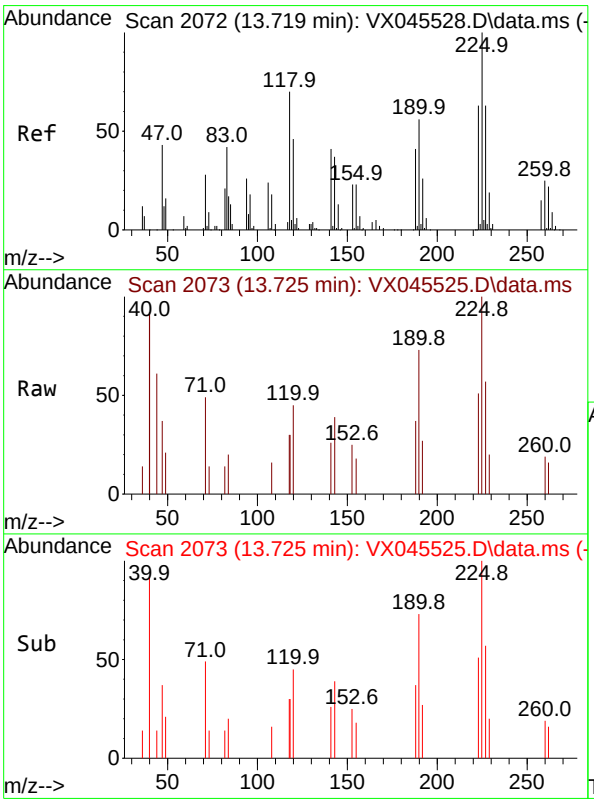
Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.9	143.6
145	35.8	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

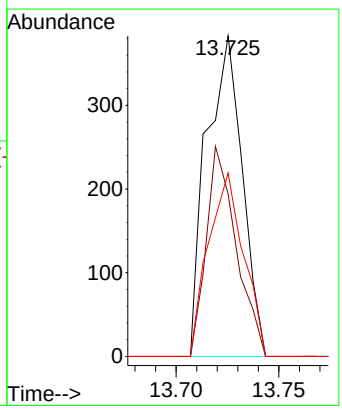
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

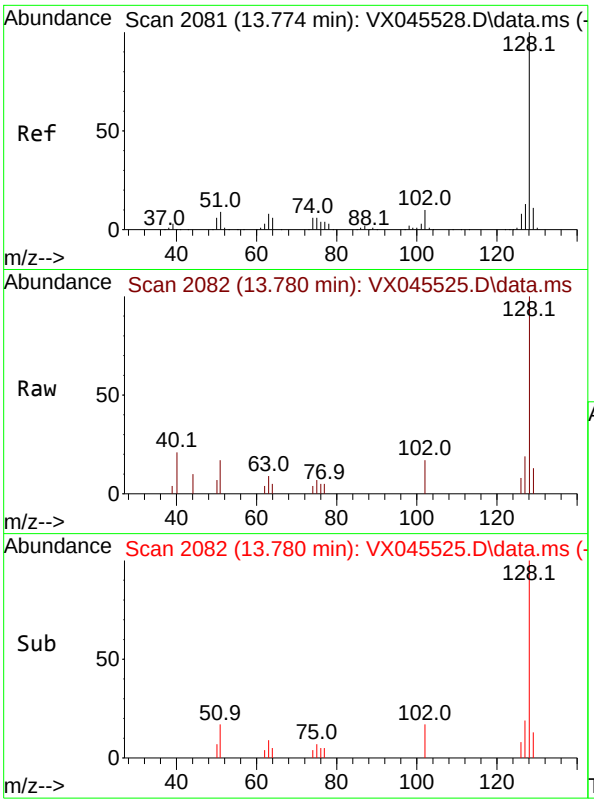


#94
Hexachlorobutadiene
Concen: 0.943 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:225 Resp: 463

Ion	Ratio	Lower	Upper
225	100		
223	54.9	31.1	93.3
227	56.4	32.2	96.6

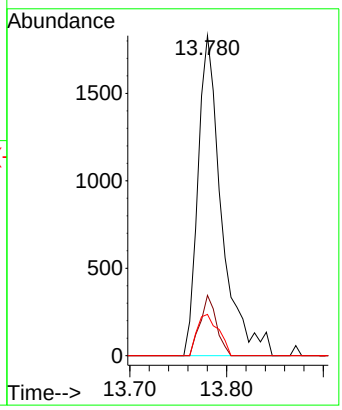




#95
Naphthalene
Concen: 0.733 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:128 Resp: 310

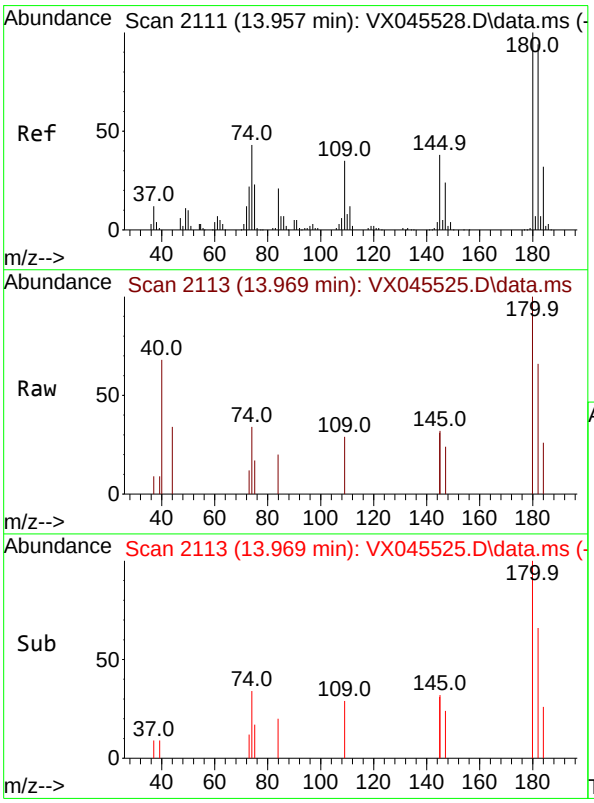
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

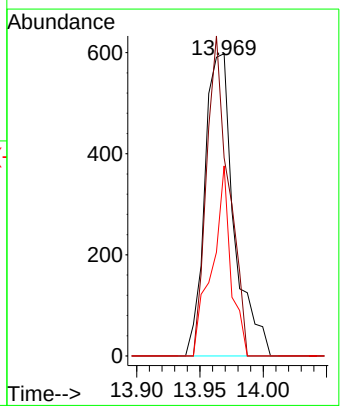
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.801 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 956

Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.3	141.8
145	40.4	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8969	5.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.520%#		
35) Dibromofluoromethane	5.391	113	6181	5.244	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.480%#		
50) Toluene-d8	8.647	98	20890	5.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.160%#		
62) 4-Bromofluorobenzene	11.079	95	6867	4.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6482	4.649	ug/l	91
3) Chloromethane	1.307	50	6846	4.779	ug/l	99
4) Vinyl Chloride	1.374	62	6169	4.706	ug/l	100
5) Bromomethane	1.593	94	3185	5.124	ug/l	90
6) Chloroethane	1.666	64	3703	5.324	ug/l	96
7) Trichlorofluoromethane	1.874	101	9316	4.766	ug/l	94
8) Diethyl Ether	2.136	74	3171	4.832	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	5589	4.879	ug/l	99
10) Methyl Iodide	2.447	142	6574	4.601	ug/l	97
11) Tert butyl alcohol	2.983	59	5186	22.633	ug/l	99
12) 1,1-Dichloroethene	2.313	96	5485	4.901	ug/l	90
13) Acrolein	2.239	56	8202	25.993	ug/l	97
14) Allyl chloride	2.654	41	9960	4.690	ug/l	95
15) Acrylonitrile	3.069	53	17811	24.624	ug/l	97
16) Acetone	2.386	43	17188	24.550	ug/l	99
17) Carbon Disulfide	2.502	76	12376	4.477	ug/l #	93
18) Methyl Acetate	2.703	43	8042	4.989	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	18314	4.677	ug/l	100
20) Methylene Chloride	2.782	84	6481	4.945	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	5534	4.840	ug/l	95
22) Diisopropyl ether	3.764	45	19765	4.725	ug/l #	82
23) Vinyl Acetate	3.721	43	78907	21.831	ug/l	98
24) 1,1-Dichloroethane	3.605	63	11562	4.887	ug/l	98
25) 2-Butanone	4.574	43	25026	24.419	ug/l	99
26) 2,2-Dichloropropane	4.477	77	7054	4.615	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	6485	4.655	ug/l	95
28) Bromochloromethane	4.898	49	5666	4.956	ug/l	95
29) Tetrahydrofuran	5.013	42	15913	23.950	ug/l	100
30) Chloroform	5.087	83	12200	5.012	ug/l	99
31) Cyclohexane	5.465	56	9731	4.653	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	9811	4.763	ug/l	99
36) 1,1-Dichloropropene	5.690	75	7354	4.621	ug/l	98
37) Ethyl Acetate	4.721	43	9384	4.679	ug/l #	91
38) Carbon Tetrachloride	5.666	117	8264	4.804	ug/l	99
39) Methylcyclohexane	7.379	83	8757	4.489	ug/l	95
40) Benzene	6.038	78	23522	4.839	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	4593	4.302	ug/l		92
42) 1,2-Dichloroethane	6.092	62	9713	4.838	ug/l		100
43) Isopropyl Acetate	6.348	43	13803	4.541	ug/l		97
44) Trichloroethene	7.129	130	5355	4.635	ug/l		99
45) 1,2-Dichloropropane	7.434	63	6060	4.997	ug/l		99
46) Dibromomethane	7.580	93	4767	5.120	ug/l		99
47) Bromodichloromethane	7.818	83	8619	4.636	ug/l	#	97
48) Methyl methacrylate	7.696	41	6908	4.401	ug/l		98
49) 1,4-Dioxane	7.665	88	3205	112.864	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	48050	23.844	ug/l		97
52) Toluene	8.714	92	14391	4.893	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	6643	5.834	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	7873	4.506	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	5741	4.898	ug/l		90
56) Ethyl methacrylate	9.116	69	8012	4.417	ug/l		95
57) 1,3-Dichloropropane	9.305	76	10208	5.002	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	21382	23.302	ug/l		99
59) 2-Hexanone	9.433	43	35628	23.875	ug/l		99
60) Dibromochloromethane	9.519	129	5855	4.582	ug/l		99
61) 1,2-Dibromoethane	9.610	107	5837	4.920	ug/l		98
64) Tetrachloroethene	9.275	164	5373	5.287	ug/l		93
65) Chlorobenzene	10.073	112	15178	4.935	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	4945	4.631	ug/l		97
67) Ethyl Benzene	10.195	91	26180	4.753	ug/l		97
68) m/p-Xylenes	10.299	106	19268	9.617	ug/l		99
69) o-Xylene	10.640	106	9735	4.932	ug/l		99
70) Styrene	10.653	104	15017	4.610	ug/l		96
71) Bromoform	10.799	173	3634	4.558	ug/l	#	95
73) Isopropylbenzene	10.964	105	24604	4.806	ug/l		100
74) N-amyl acetate	10.848	43	10750	4.390	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	9127	5.075	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	8032m	5.152	ug/l		
77) Bromobenzene	11.195	156	5927	5.011	ug/l		97
78) n-propylbenzene	11.305	91	27777	4.711	ug/l		98
79) 2-Chlorotoluene	11.360	91	18358	4.870	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	19936	4.710	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	1752	3.814	ug/l		85
82) 4-Chlorotoluene	11.457	91	20171	4.799	ug/l		99
83) tert-Butylbenzene	11.713	119	19962	4.763	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	19998	4.707	ug/l		99
85) sec-Butylbenzene	11.890	105	24465	4.753	ug/l		100
86) p-Isopropyltoluene	12.006	119	20178	4.755	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10255	4.763	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	11016	5.047	ug/l		93
89) n-Butylbenzene	12.329	91	15887	4.317	ug/l		98
90) Hexachloroethane	12.536	117	3151	4.320	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	10510	4.910	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1661	4.417	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	5391	4.524	ug/l		95
94) Hexachlorobutadiene	13.719	225	2483	4.836	ug/l		98
95) Naphthalene	13.774	128	19618	4.424	ug/l		97
96) 1,2,3-Trichlorobenzene	13.957	180	5854	4.692	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

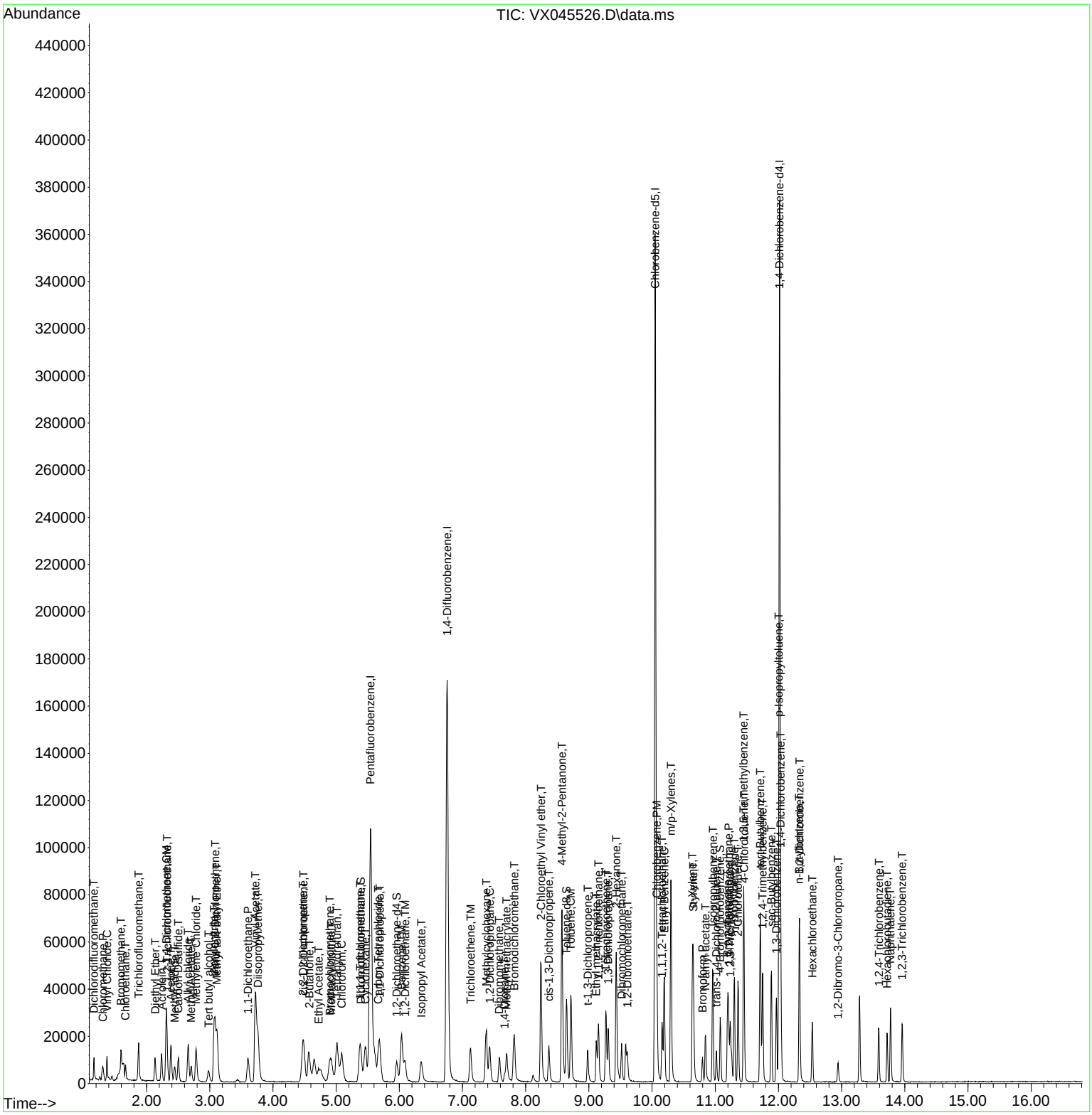
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Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

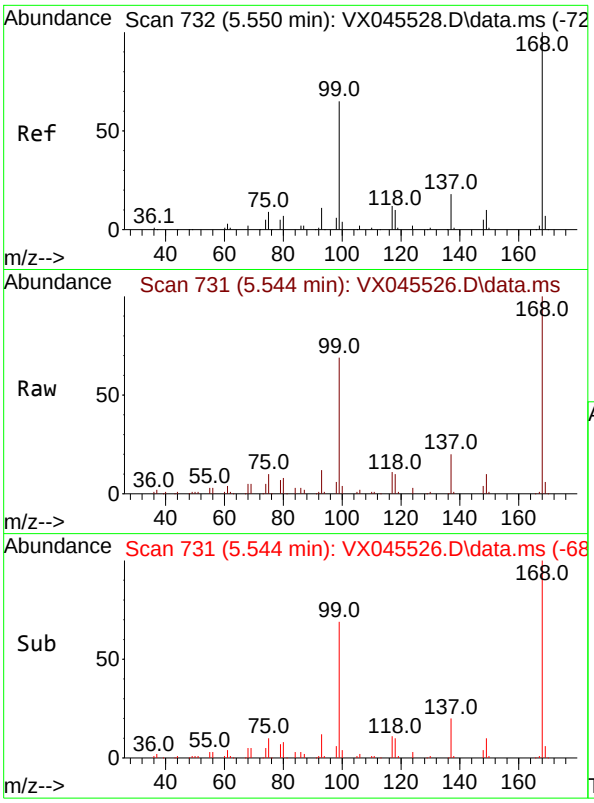
Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

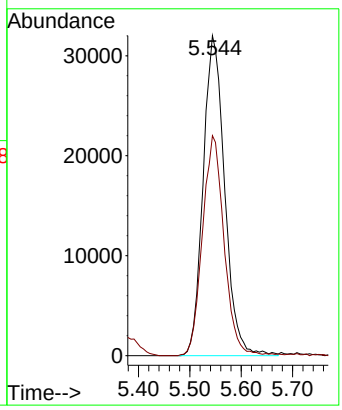




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:168 Resp: 9323

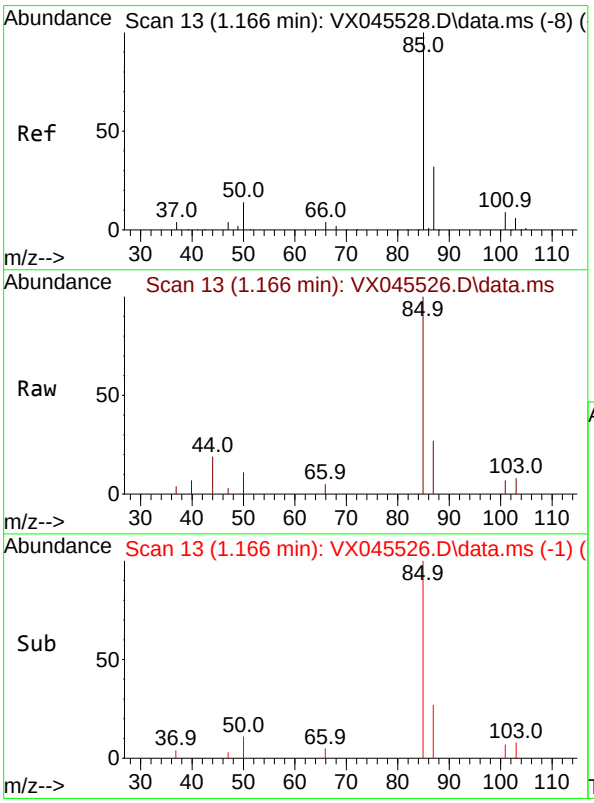
Ion	Ratio	Lower	Upper
168	100		
99	68.8	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

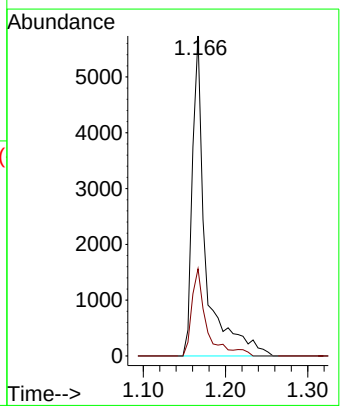
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

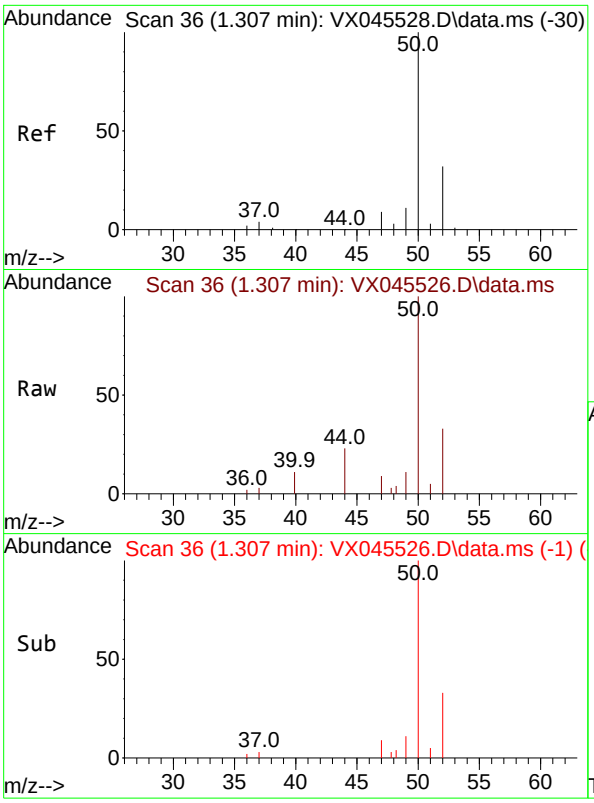


#2
Dichlorodifluoromethane
Concen: 4.649 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 85 Resp: 6482

Ion	Ratio	Lower	Upper
85	100		
87	27.3	16.1	48.2

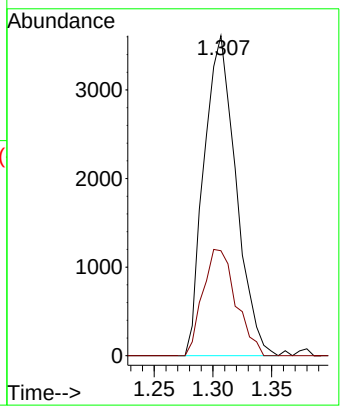




#3
Chloromethane
Concen: 4.779 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 50 Resp: 684

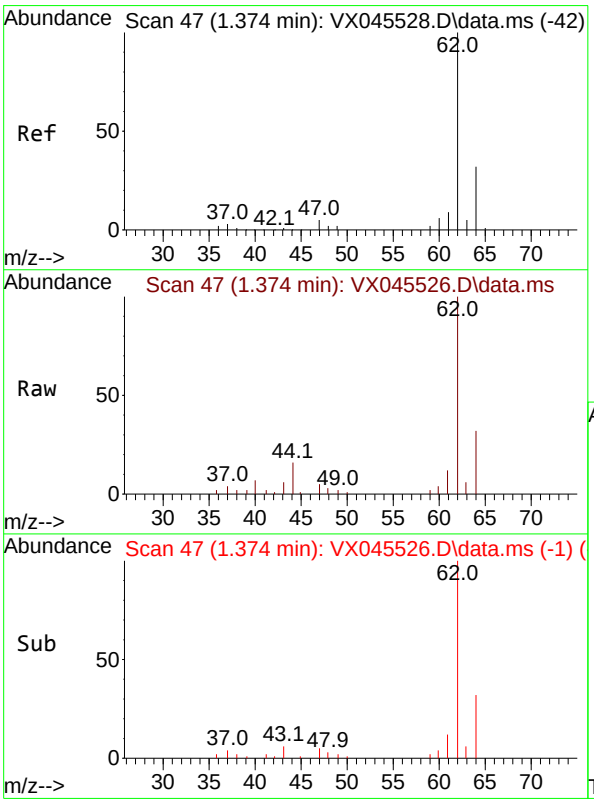
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

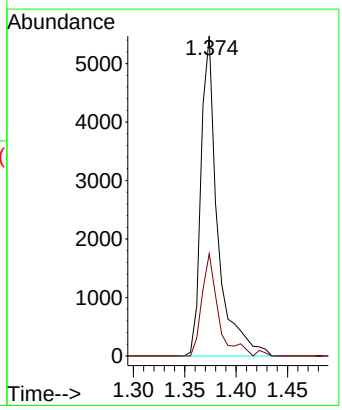
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

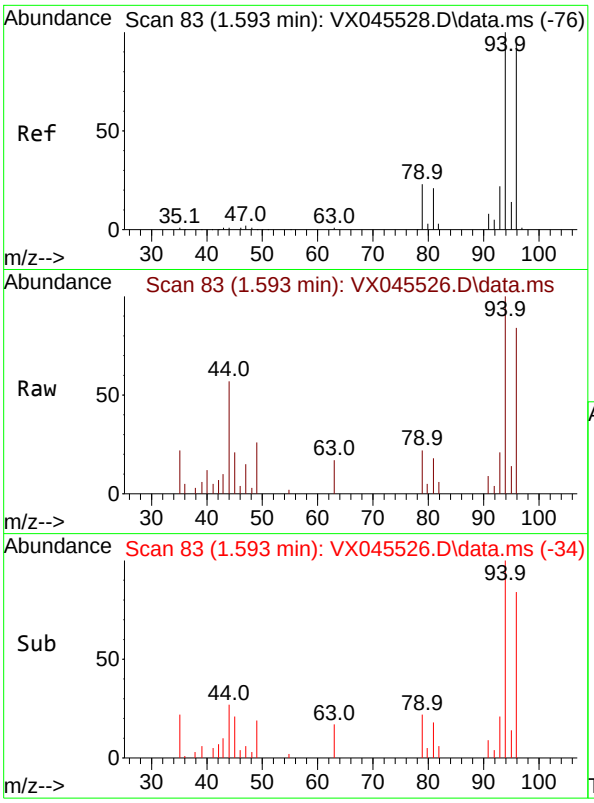


#4
Vinyl Chloride
Concen: 4.706 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 6169

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

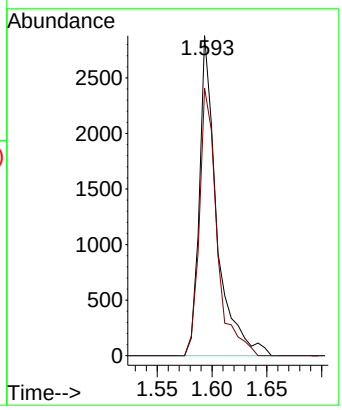




#5
Bromomethane
Concen: 5.124 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 94 Resp: 318

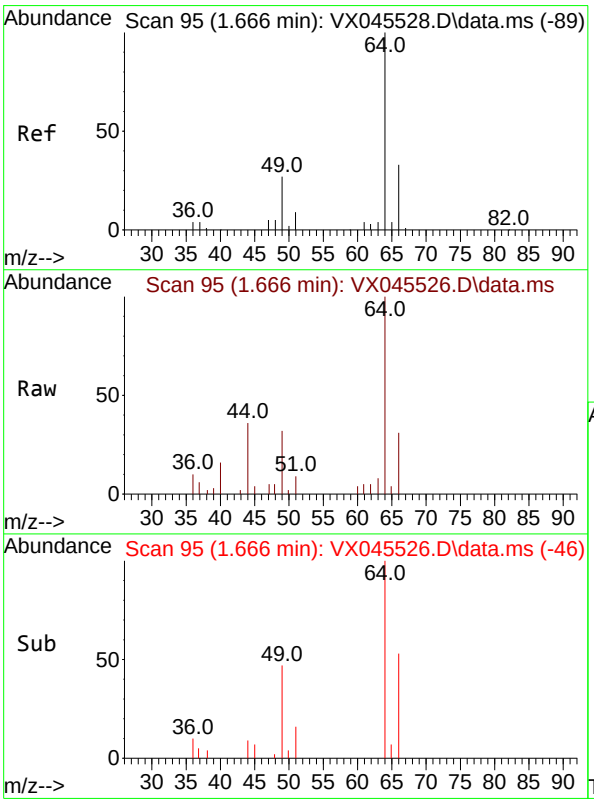
Ion	Ratio	Lower	Upper
94	100		
96	83.6	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

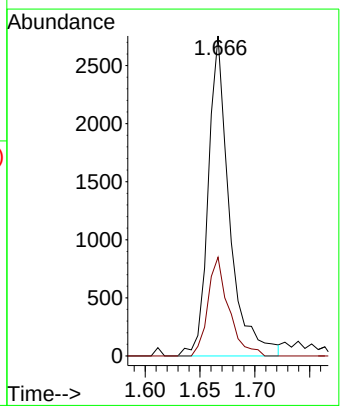
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

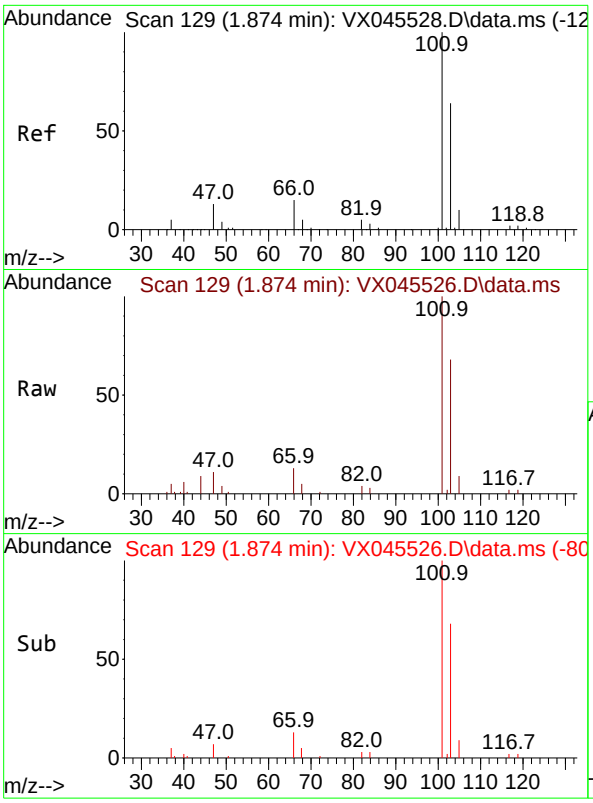


#6
Chloroethane
Concen: 5.324 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 64 Resp: 3703

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.3	39.5

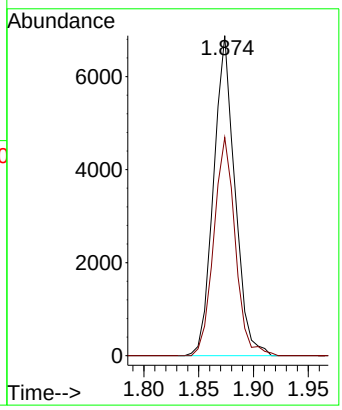




#7
Trichlorofluoromethane
Concen: 4.766 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 931

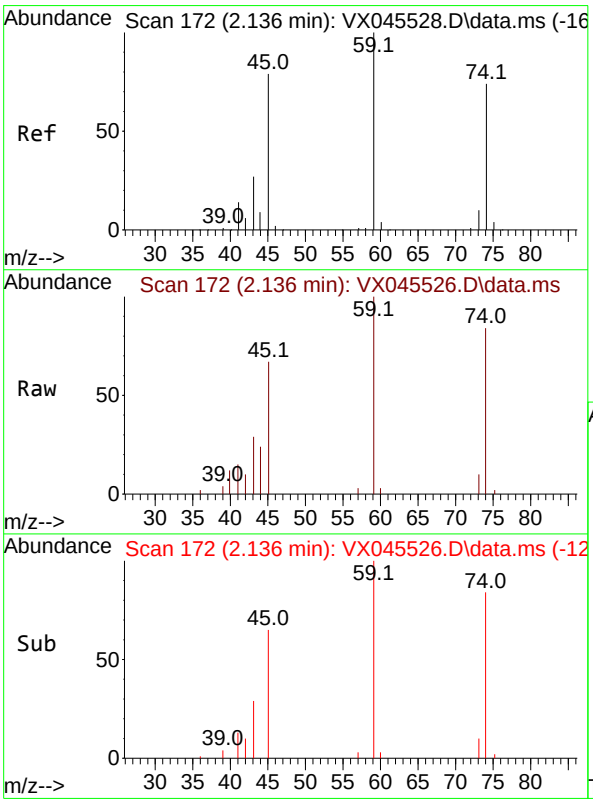
Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

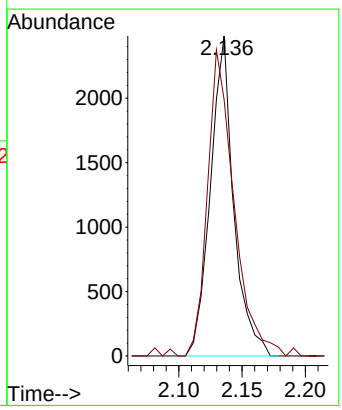
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

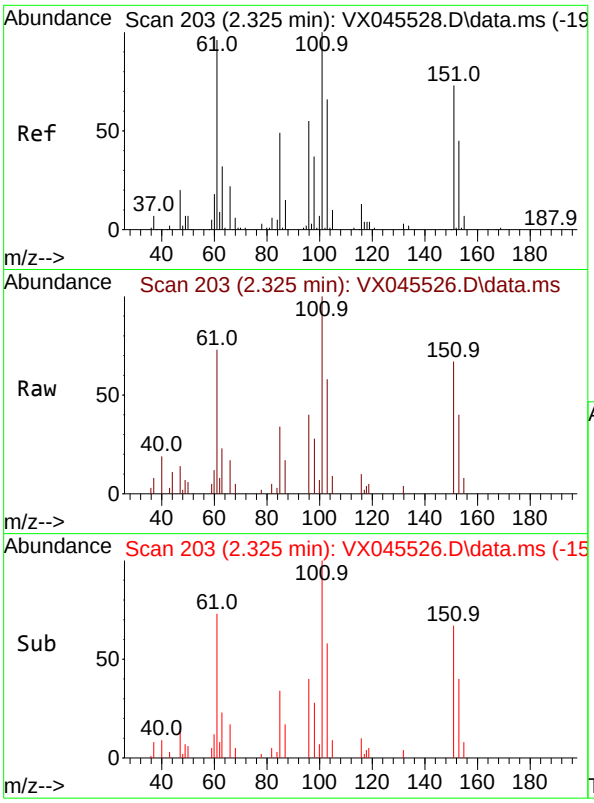


#8
Diethyl Ether
Concen: 4.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 74 Resp: 3171

Ion	Ratio	Lower	Upper
74	100		
45	110.2	53.0	159.1

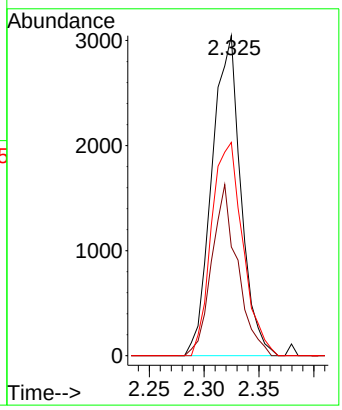




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.879 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 558

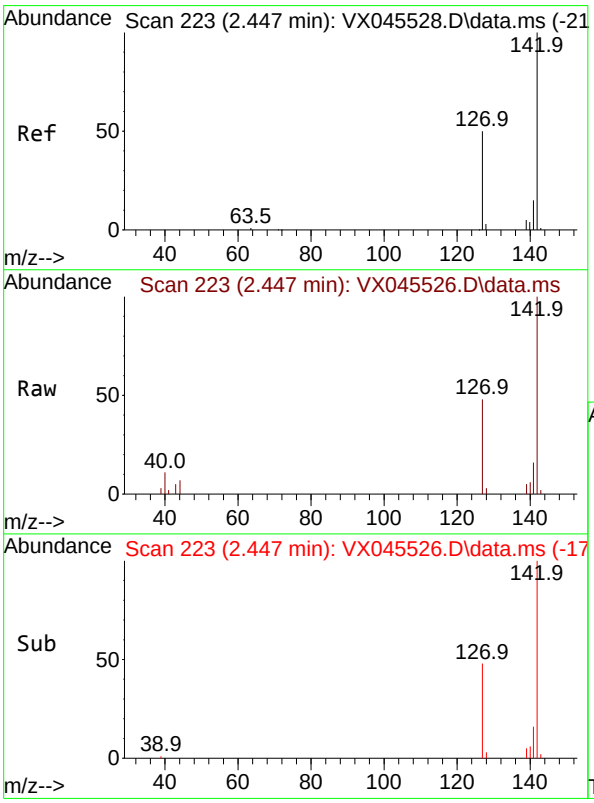
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	72.4	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

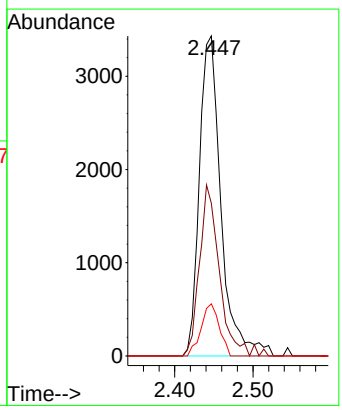
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

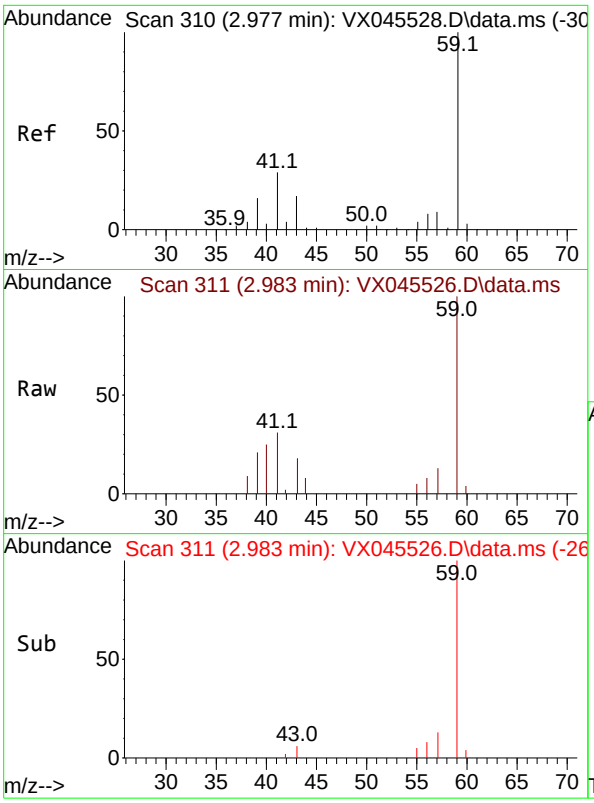


#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:142 Resp: 6574

Ion	Ratio	Lower	Upper
142	100		
127	48.4	40.2	60.4
141	13.7	11.7	17.5

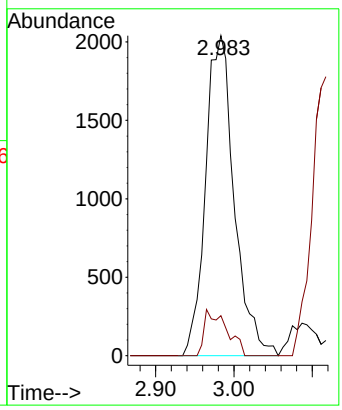




#11
Tert butyl alcohol
Concen: 22.633 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 59 Resp: 518

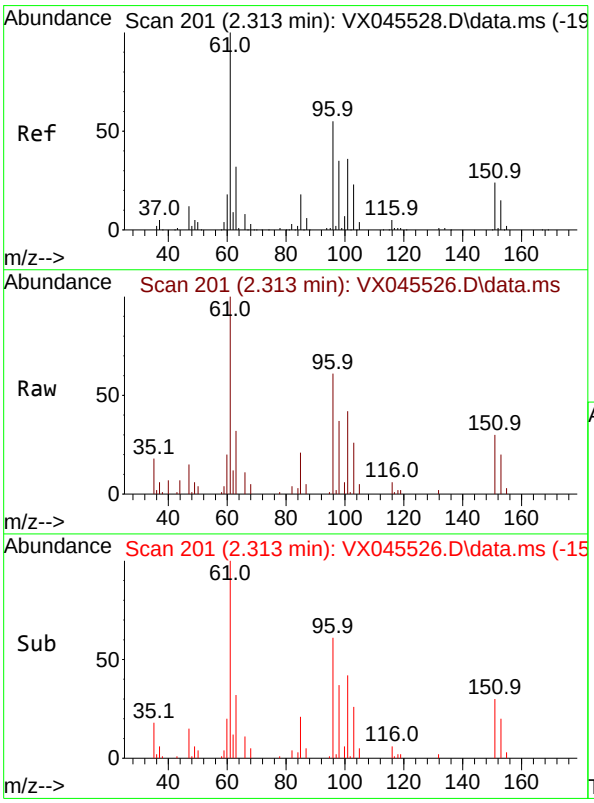
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

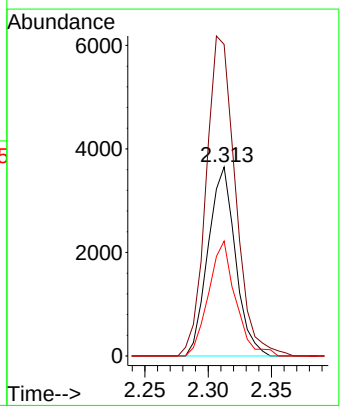
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

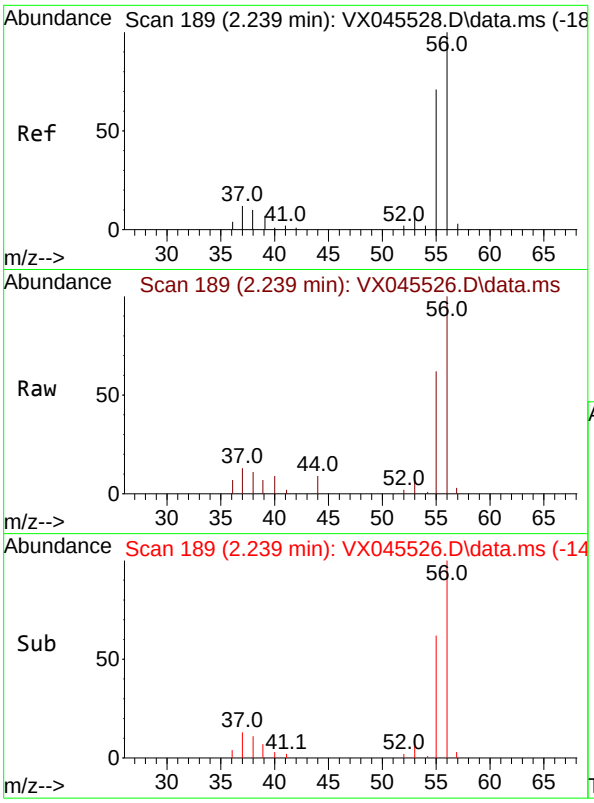


#12
1,1-Dichloroethene
Concen: 4.901 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 5485

Ion	Ratio	Lower	Upper
96	100		
61	164.9	145.7	218.5
98	60.8	51.6	77.4

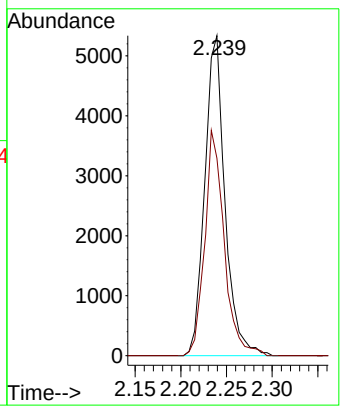




#13
Acrolein
Concen: 25.993 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 56 Resp: 820

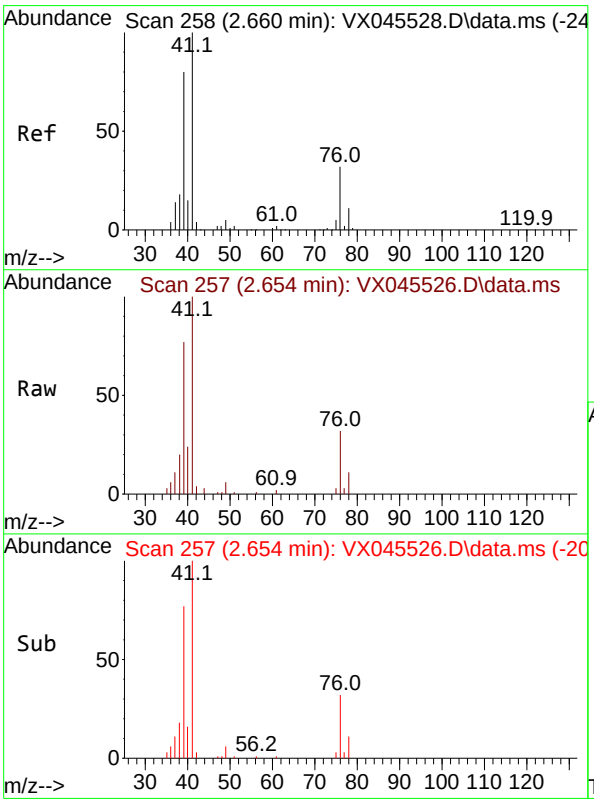
Ion	Ratio	Lower	Upper
56	100		
55	67.9	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

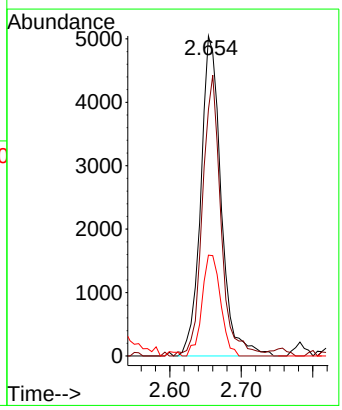
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

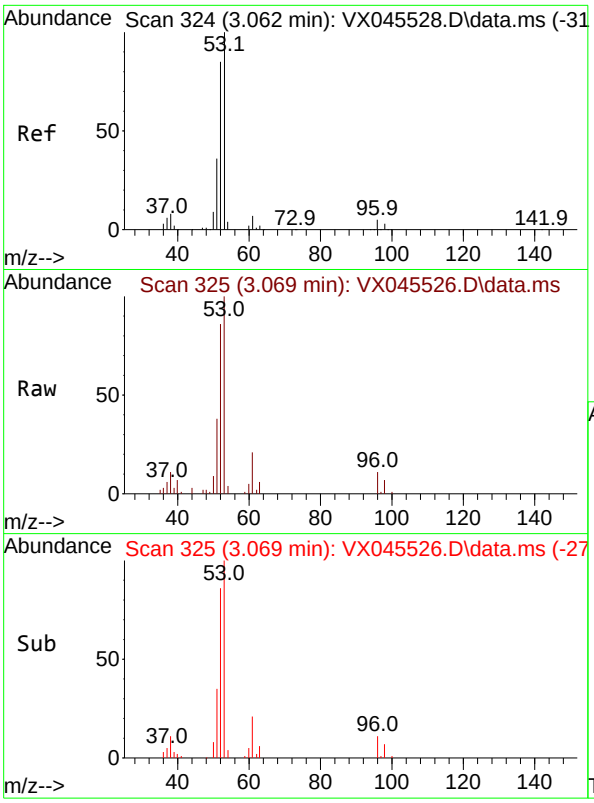


#14
Allyl chloride
Concen: 4.690 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 9960

Ion	Ratio	Lower	Upper
41	100		
39	79.8	60.2	90.2
76	28.8	24.6	36.8

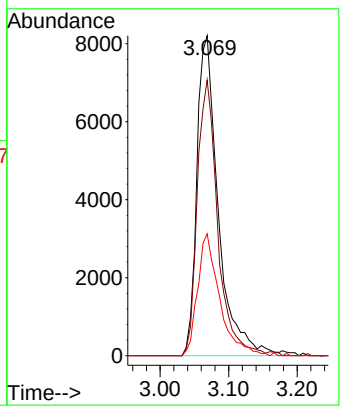




#15
Acrylonitrile
Concen: 24.624 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 53 Resp: 1781

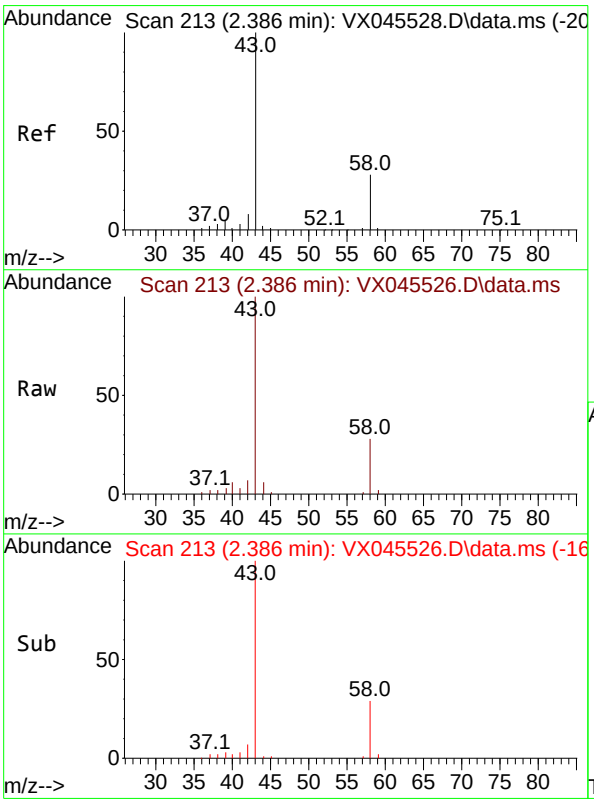
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.2
51	39.3	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

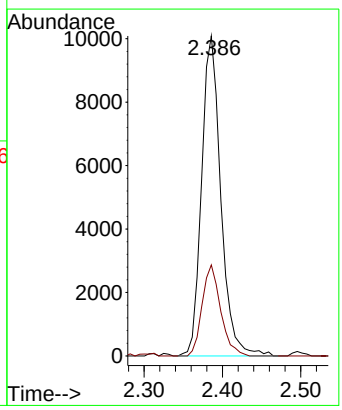
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

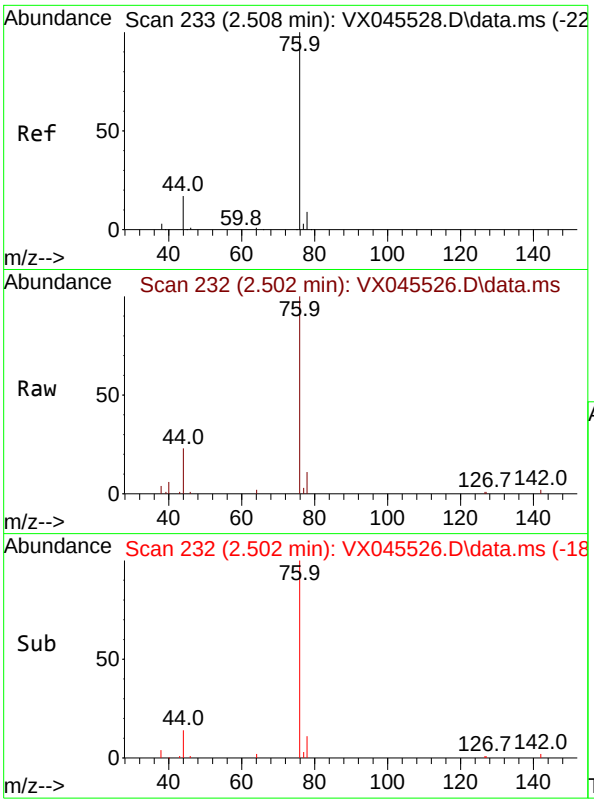


#16
Acetone
Concen: 24.550 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 17188

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.3	33.5





#17
Carbon Disulfide
Concen: 4.477 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

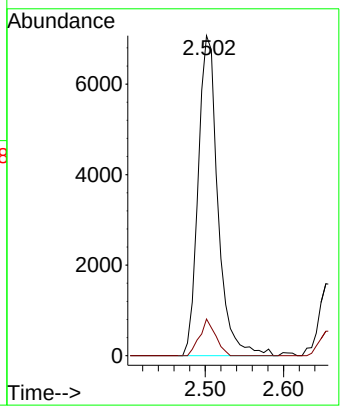
Tgt Ion: 76 Resp: 1237

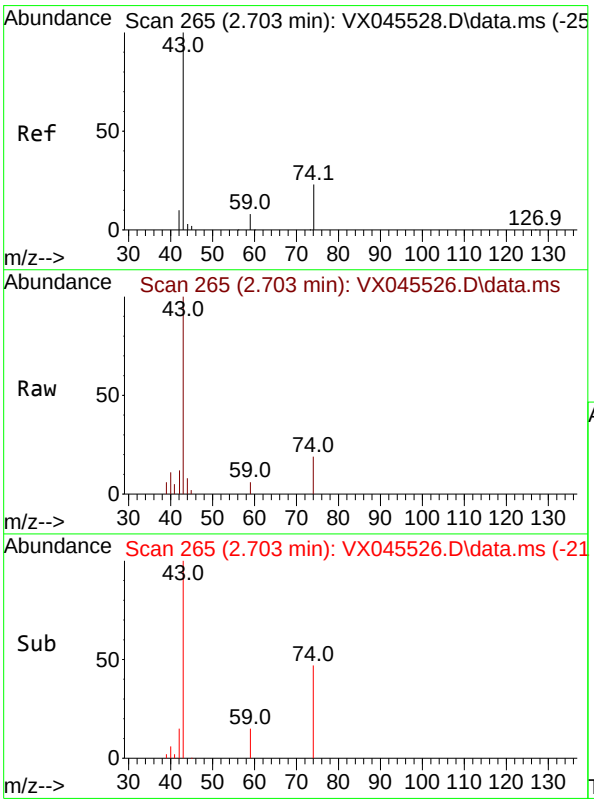
Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

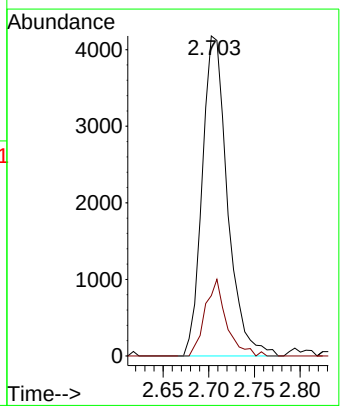


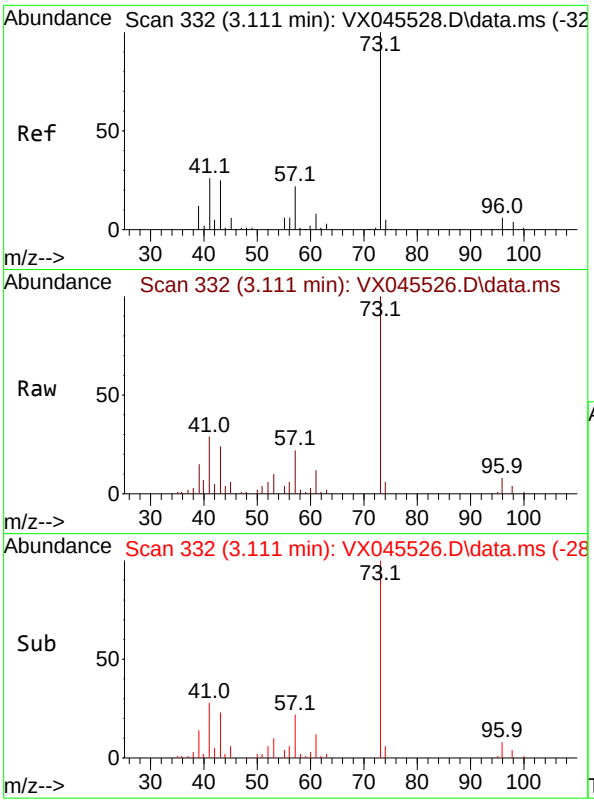


#18
Methyl Acetate
Concen: 4.989 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.5	26.3

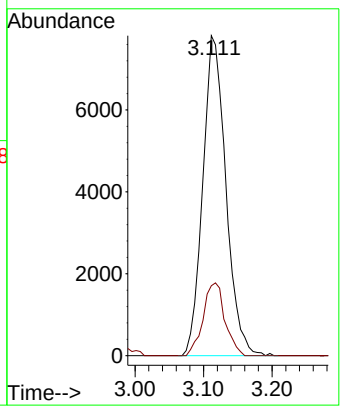




#19
Methyl tert-butyl Ether
Concen: 4.677 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 73 Resp: 1831

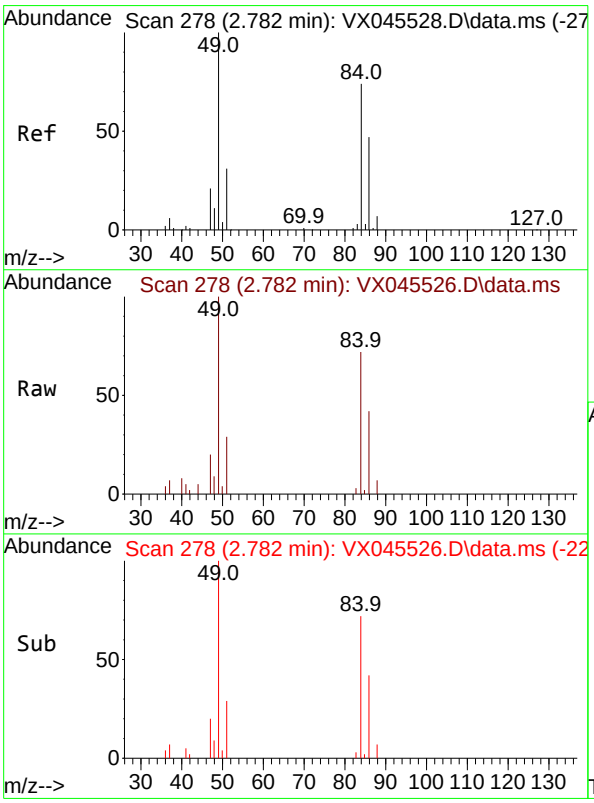
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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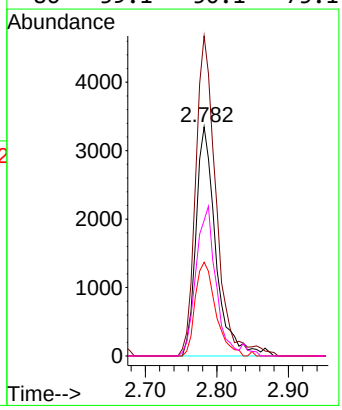
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

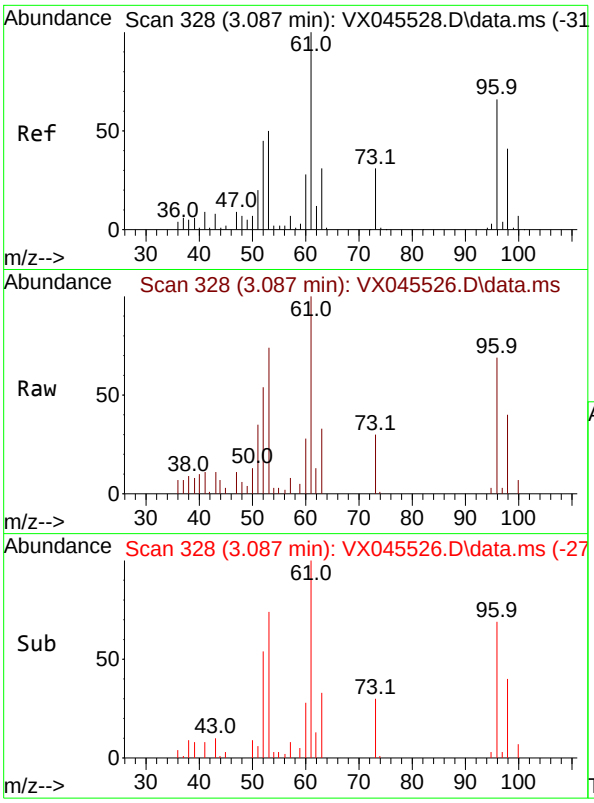


#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 84 Resp: 6481

Ion	Ratio	Lower	Upper
84	100		
49	139.6	107.5	161.3
51	40.9	33.0	49.6
86	59.1	50.1	75.1

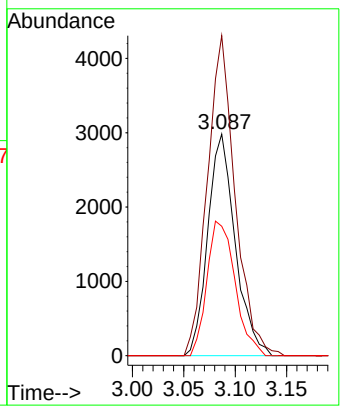




#21
trans-1,2-Dichloroethene
Concen: 4.840 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 553

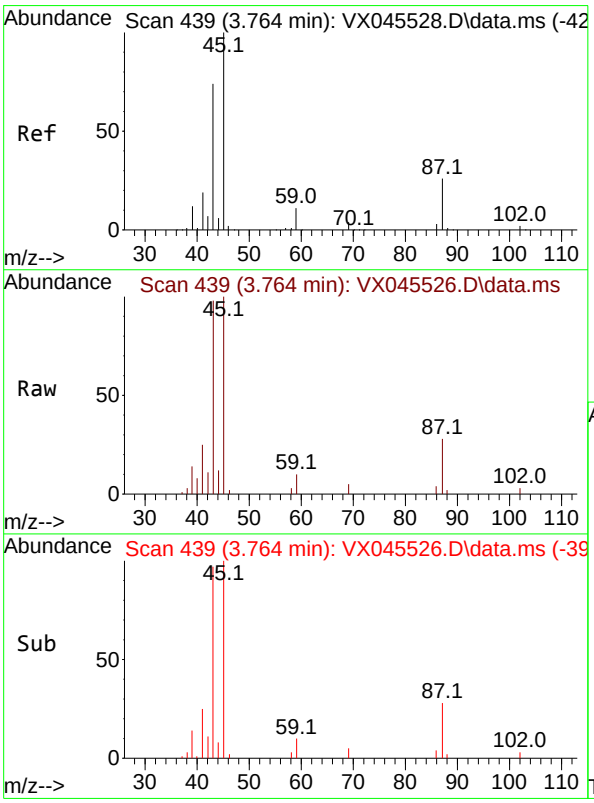
Ion	Ratio	Lower	Upper
96	100		
61	144.4	121.0	181.6
98	58.5	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

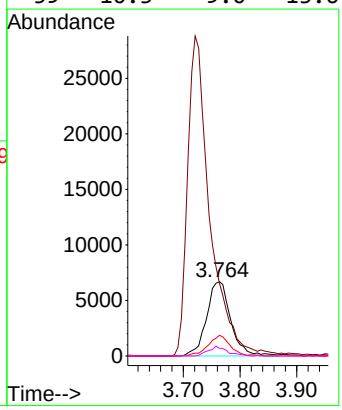
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

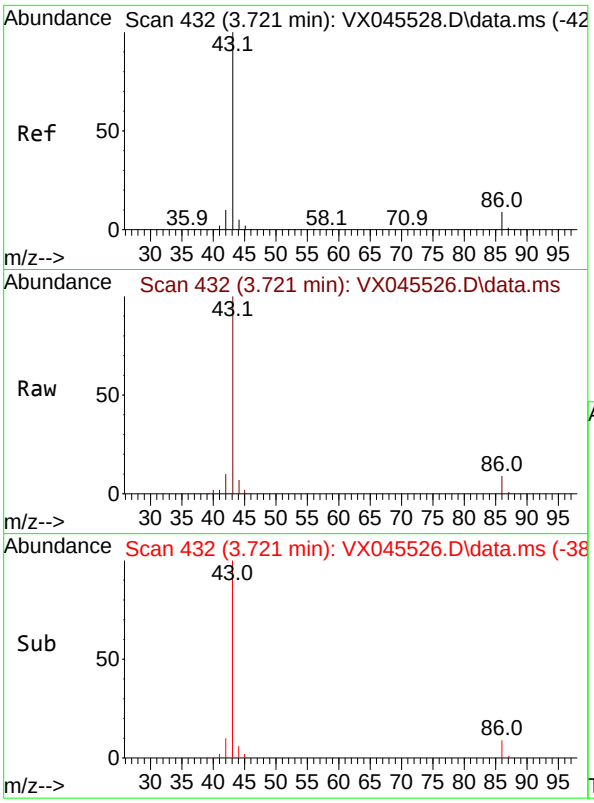


#22
Diisopropyl ether
Concen: 4.725 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 45 Resp: 19765

Ion	Ratio	Lower	Upper
45	100		
43	94.7	59.3	88.9#
87	27.8	20.4	30.6
59	10.3	9.0	13.6





#23
Vinyl Acetate
Concen: 21.831 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

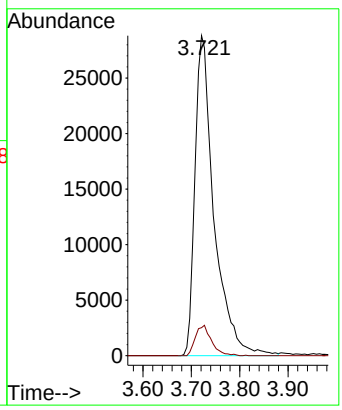
Tgt Ion: 43 Resp: 7890

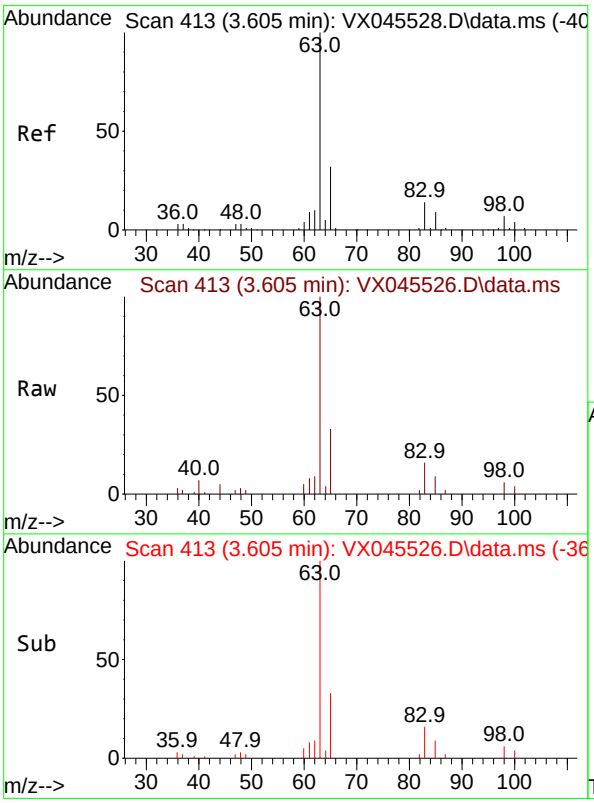
Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

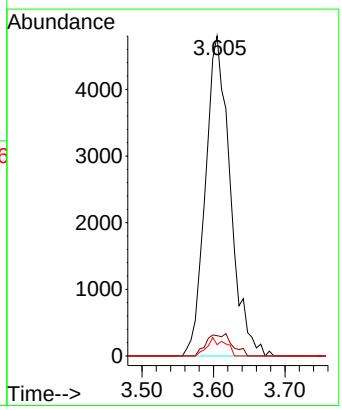


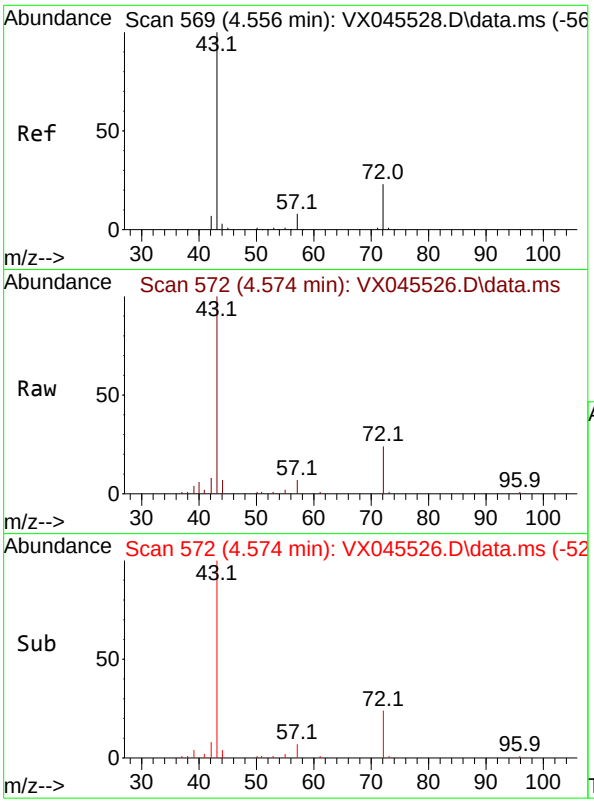


#24
1,1-Dichloroethane
Concen: 4.887 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 11562

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	3.6	2.2	6.6

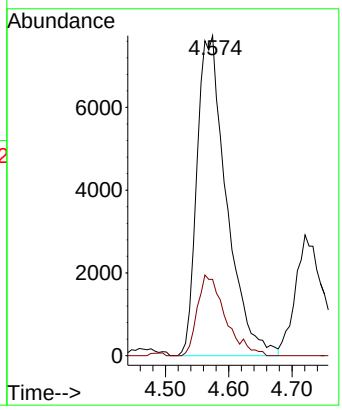




#25
2-Butanone
Concen: 24.419 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 2502

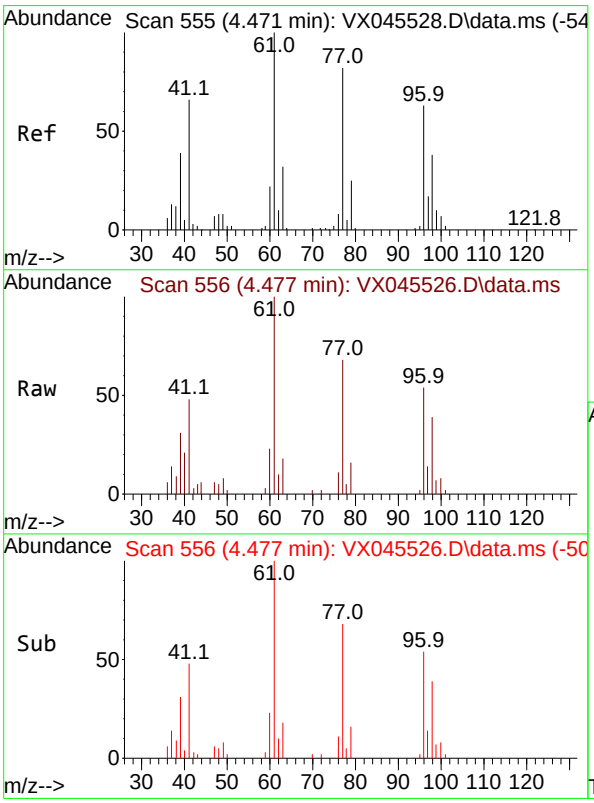
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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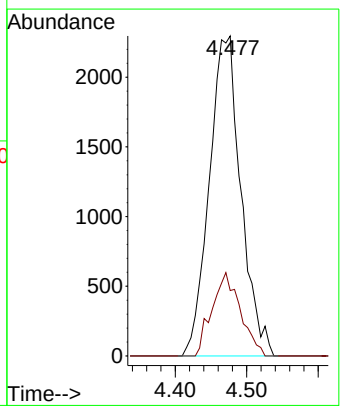
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

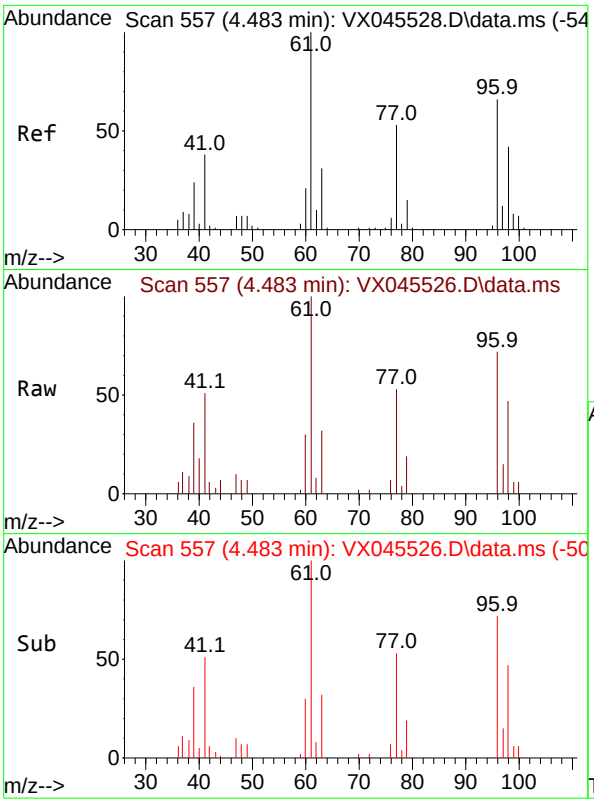


#26
2,2-Dichloropropane
Concen: 4.615 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 77 Resp: 7054

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.6	31.8

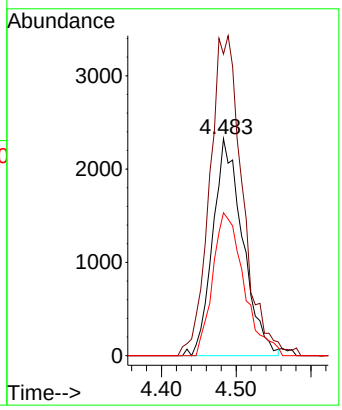




#27
cis-1,2-Dichloroethene
Concen: 4.655 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 648

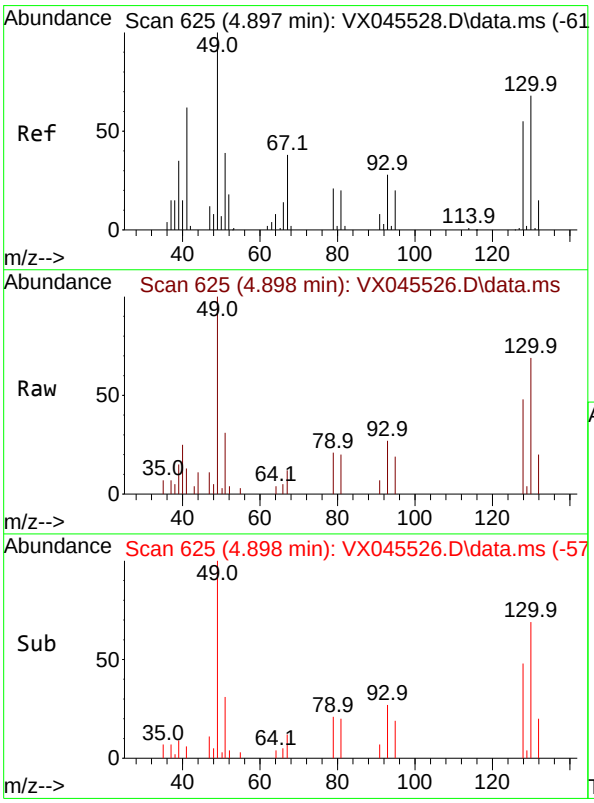
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	313.2
98	68.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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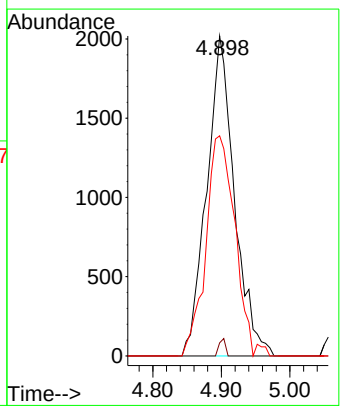
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

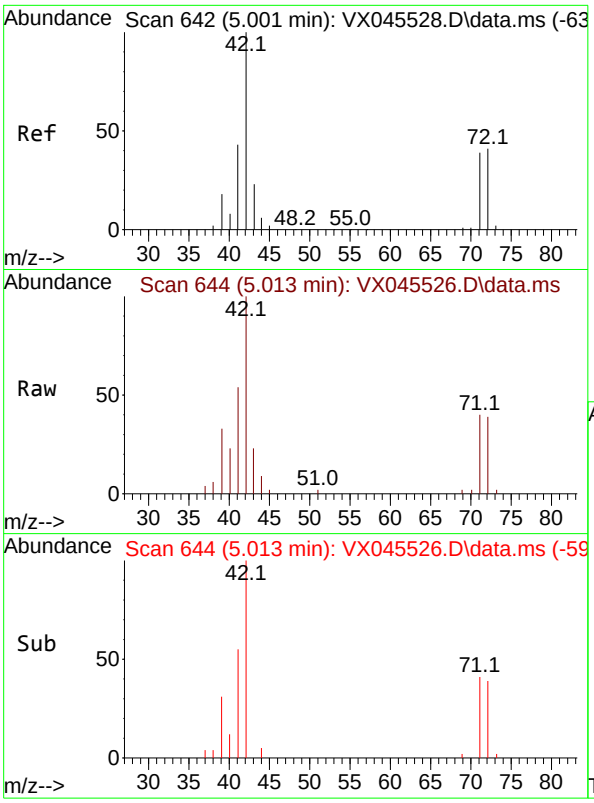


#28
Bromochloromethane
Concen: 4.956 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 49 Resp: 5666

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	72.2	54.6	81.8





#29
Tetrahydrofuran
Concen: 23.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

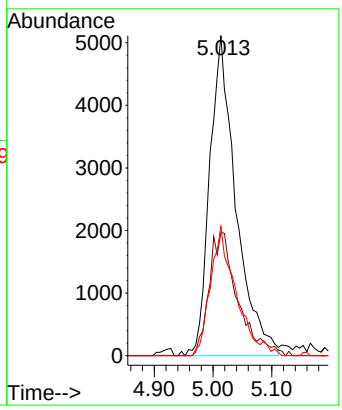
Tgt Ion: 42 Resp: 1591

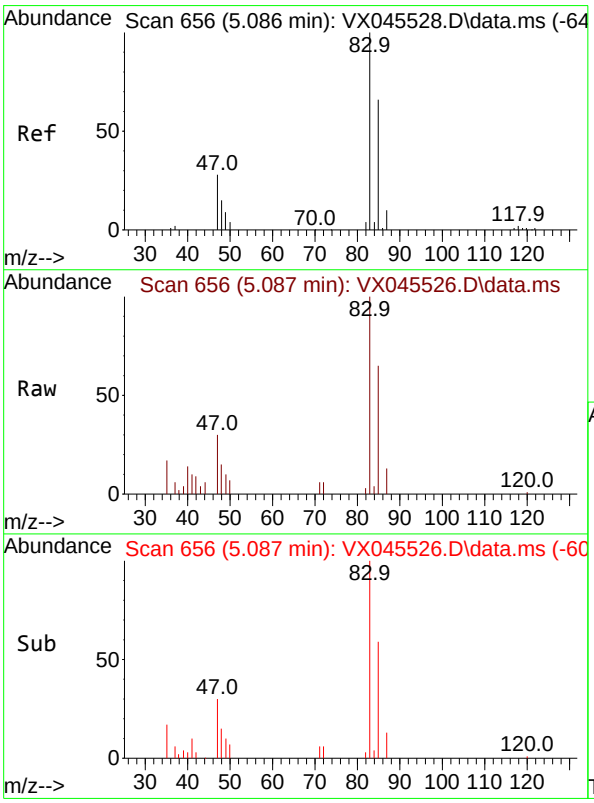
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

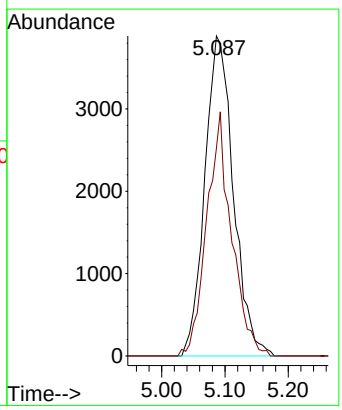


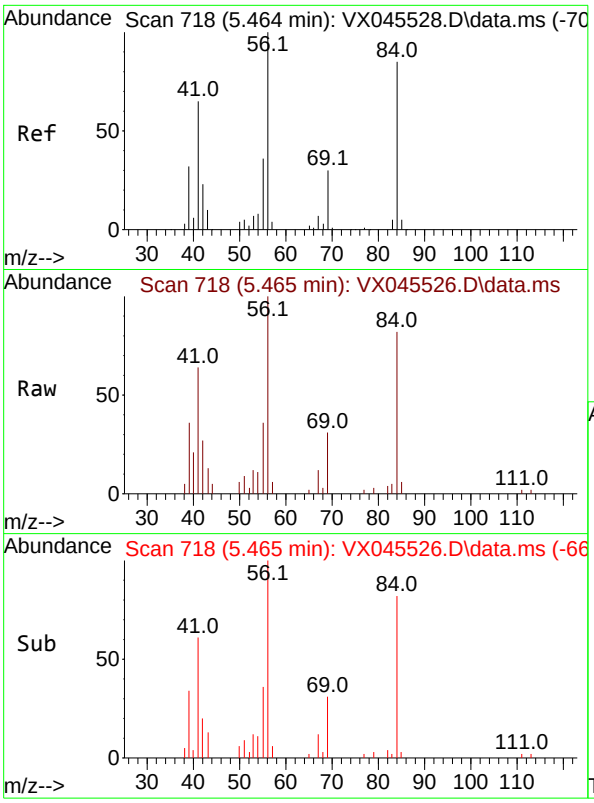


#30
Chloroform
Concen: 5.012 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 12200

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.8	79.2

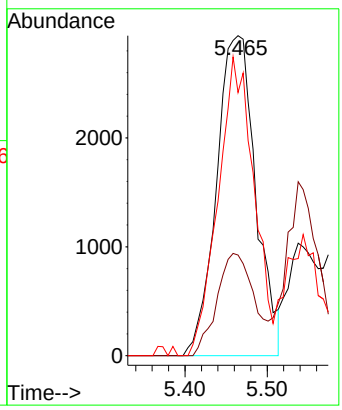




#31
Cyclohexane
Concen: 4.653 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 56 Resp: 973

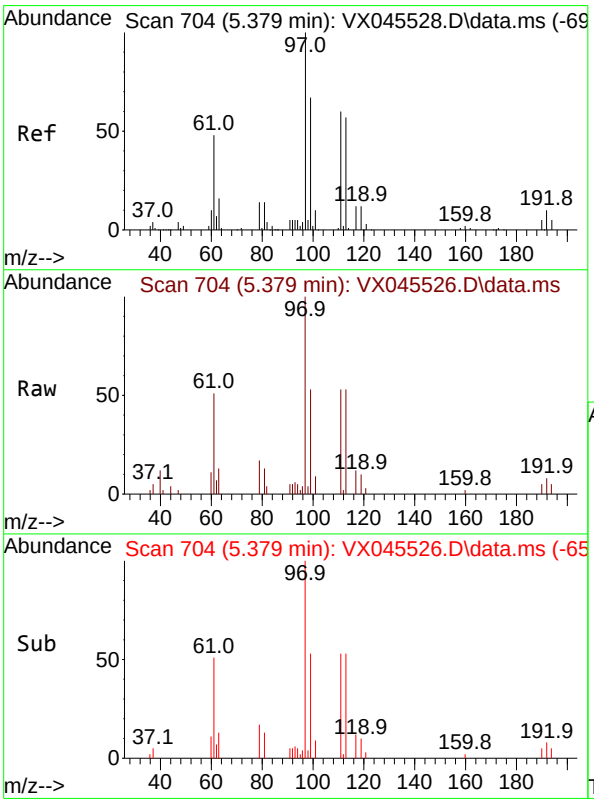
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.6	35.4
84	82.2	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

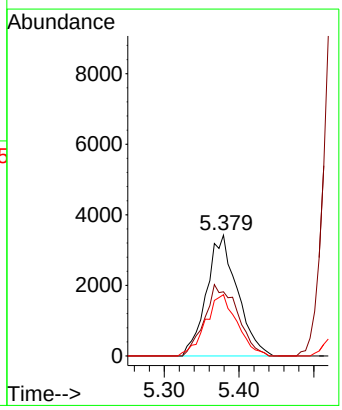
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

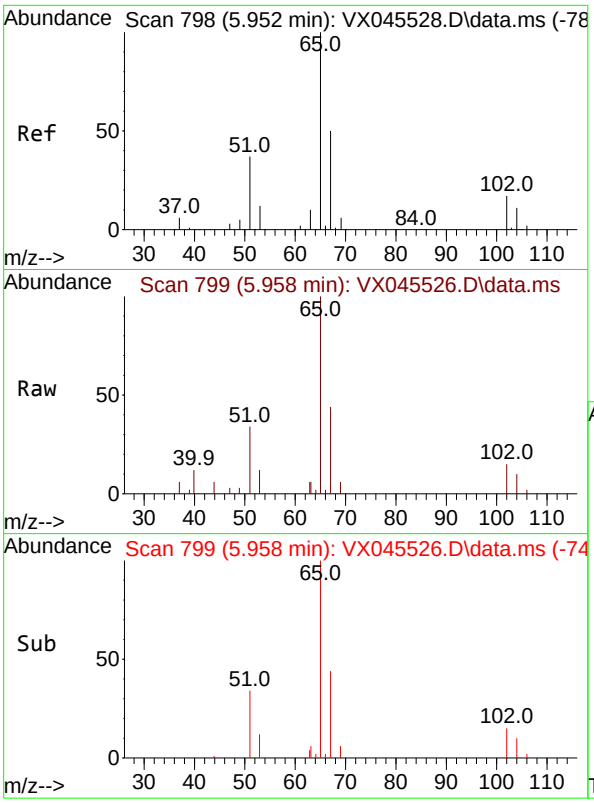


#32
1,1,1-Trichloroethane
Concen: 4.763 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 9811

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	52.0	41.0	61.4

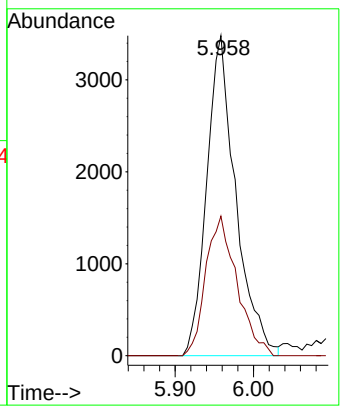




#33
1,2-Dichloroethane-d4
Concen: 5.260 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 65 Resp: 896

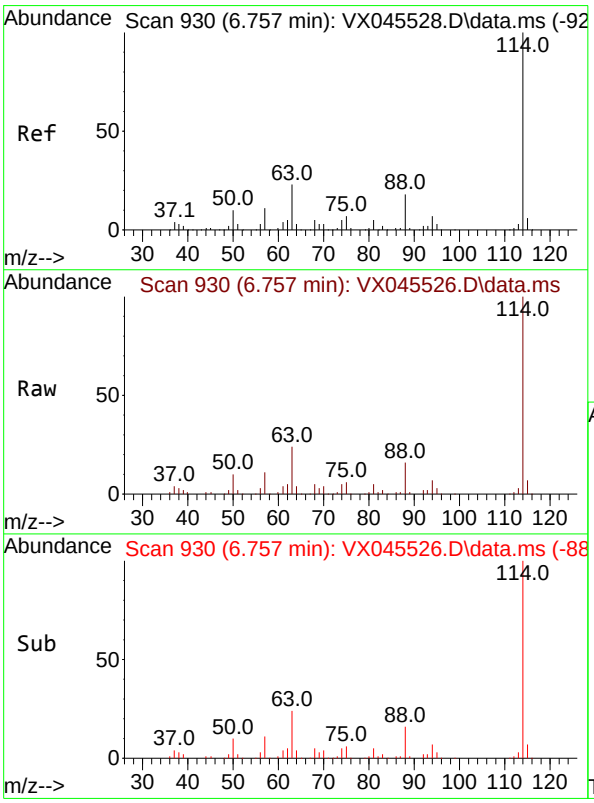
Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

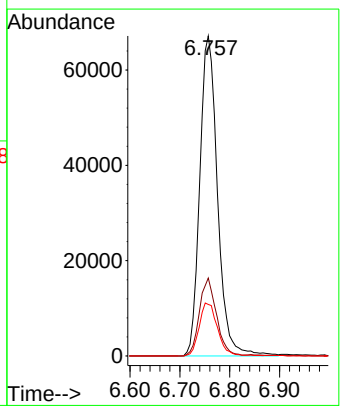
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

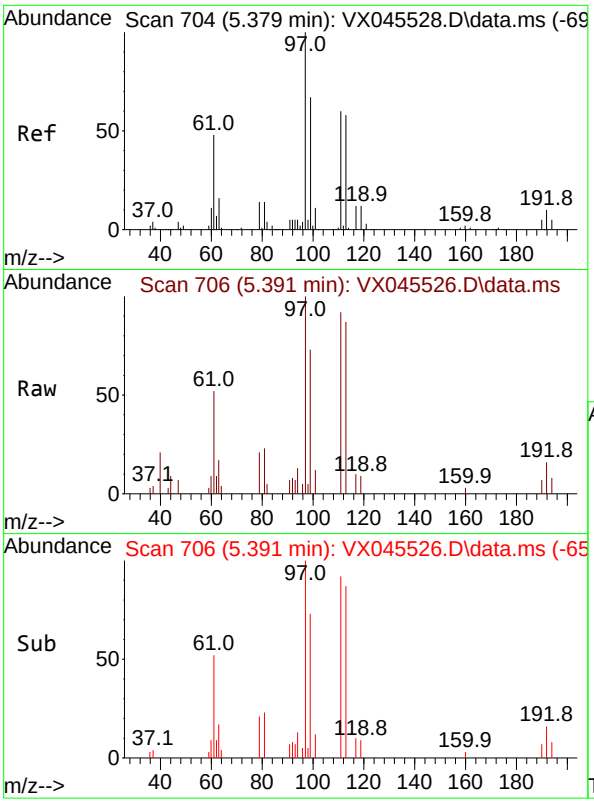


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:114 Resp: 166137

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.1	0.0	35.4

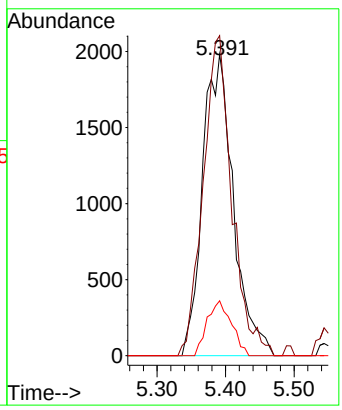




#35
Dibromofluoromethane
Concen: 5.244 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:113 Resp: 618

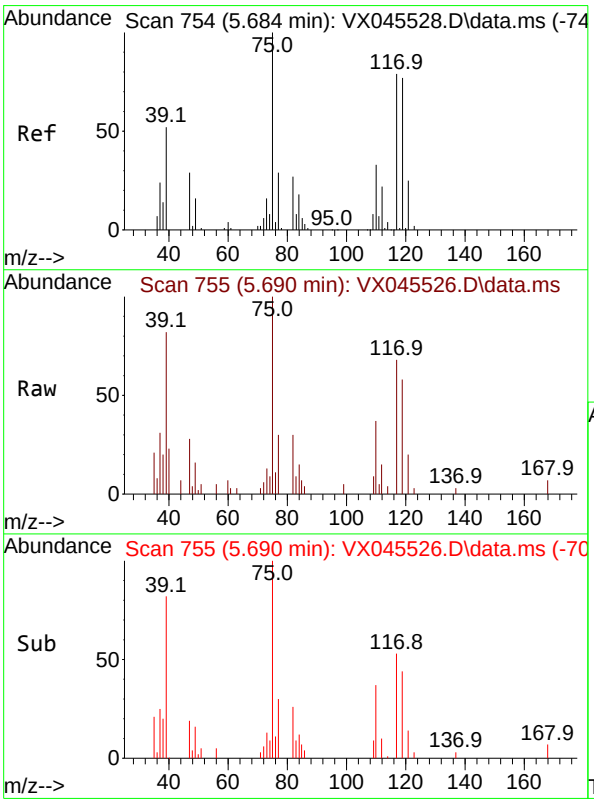
Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.8	122.6
192	14.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

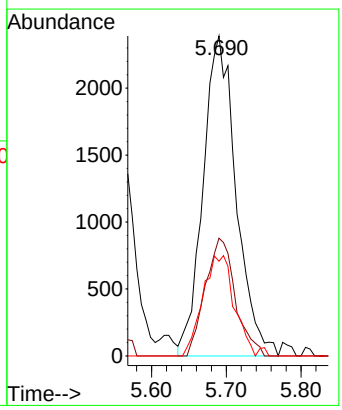
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

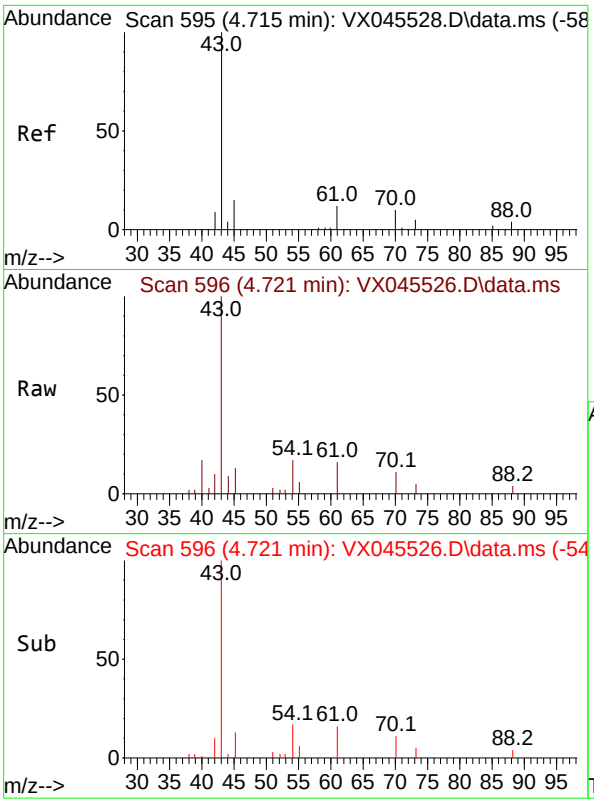


#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7354

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	29.8	25.0	37.4





#37
Ethyl Acetate
Concen: 4.679 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

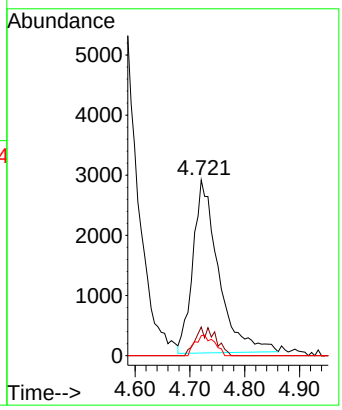
Tgt Ion: 43 Resp: 938

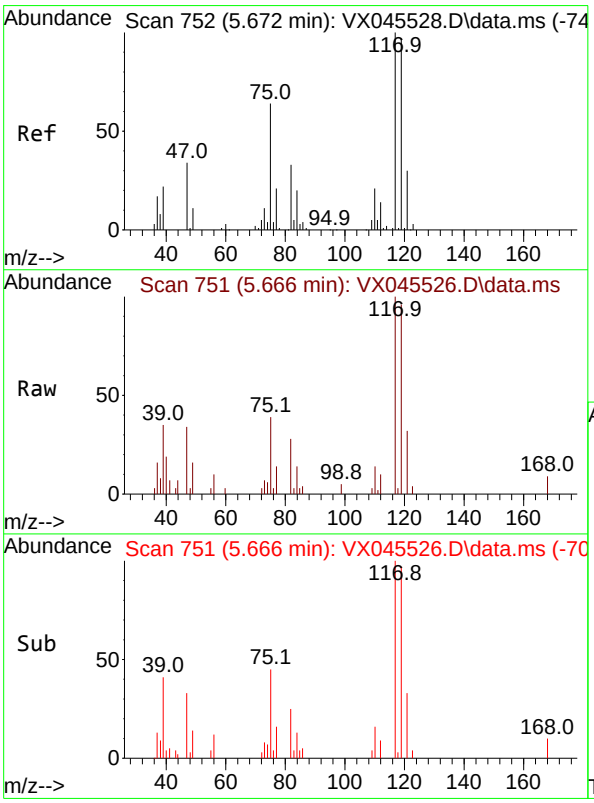
Ion	Ratio	Lower	Upper
43	100		
61	6.3	9.9	14.9#
70	8.9	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

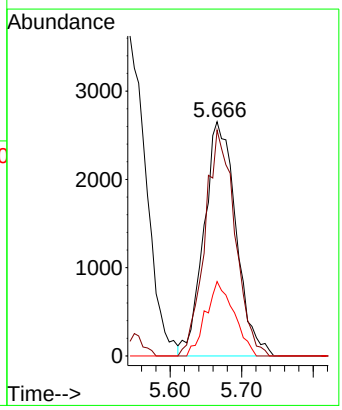


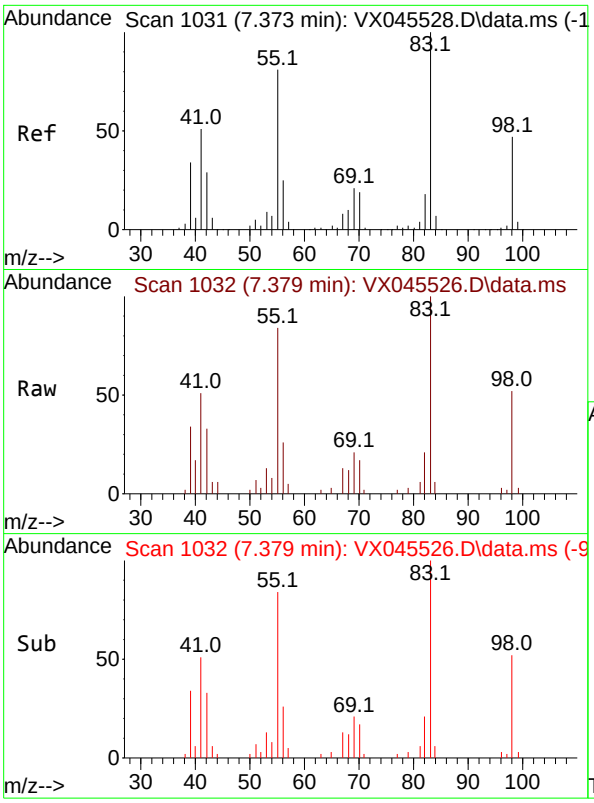


#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 8264

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	31.7	24.2	36.2

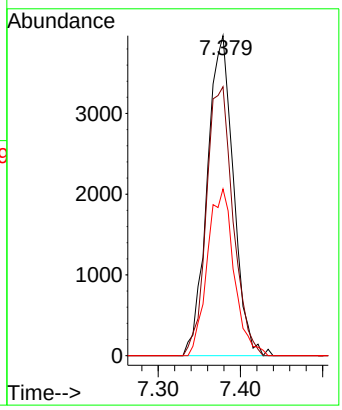




#39
Methylcyclohexane
Concen: 4.489 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 875

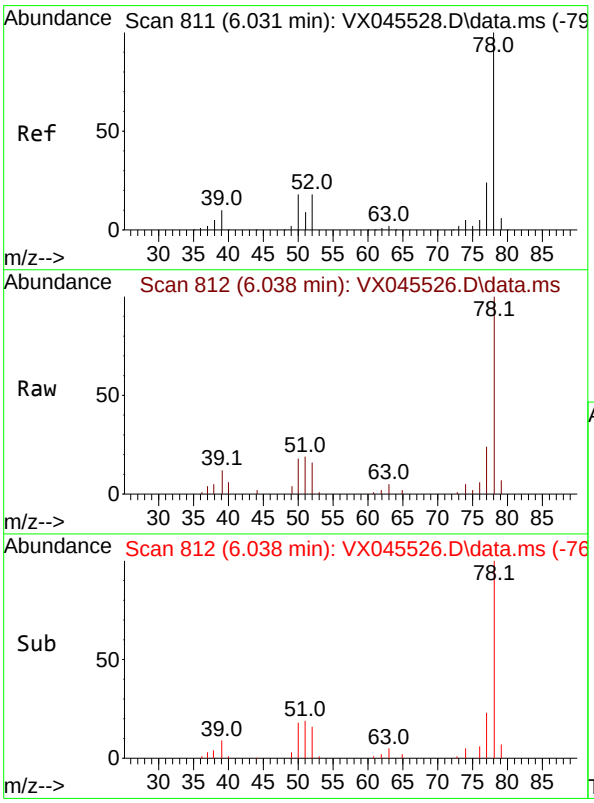
Ion	Ratio	Lower	Upper
83	100		
55	84.0	64.9	97.3
98	52.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

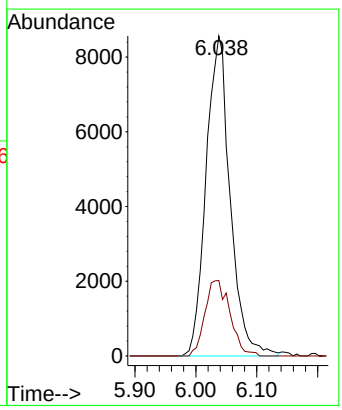
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

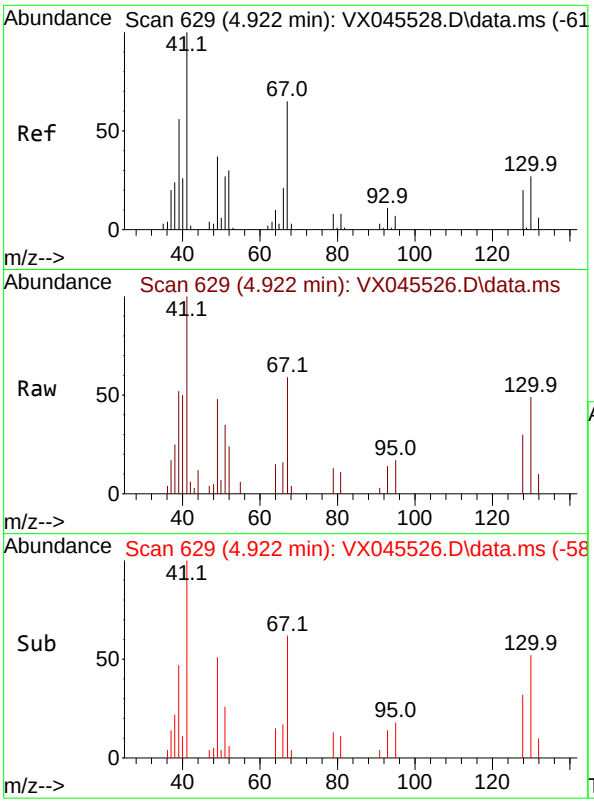


#40
Benzene
Concen: 4.839 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 78 Resp: 23522

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6

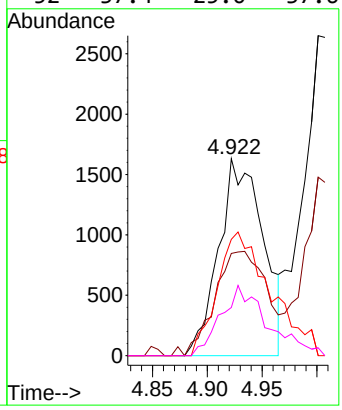




#41
Methacrylonitrile
Concen: 4.302 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 459

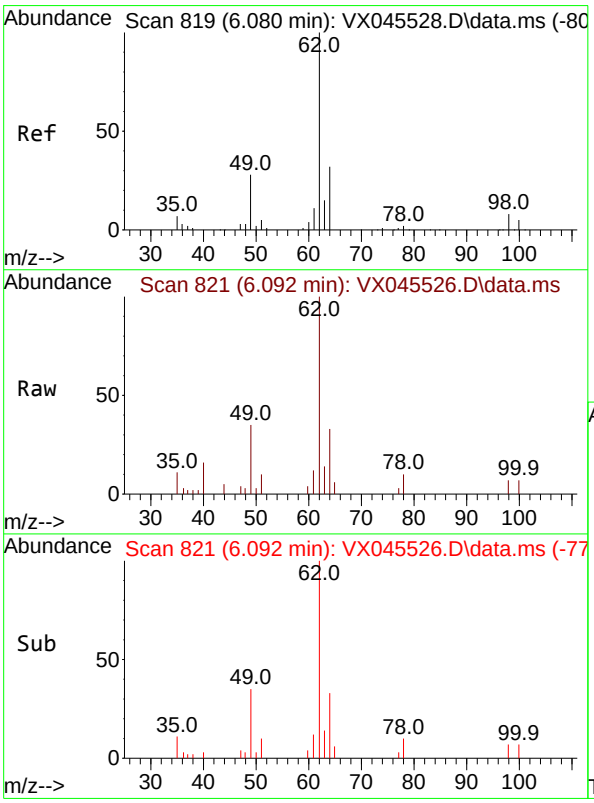
Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.0	70.6
67	75.2	53.2	79.8
52	37.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

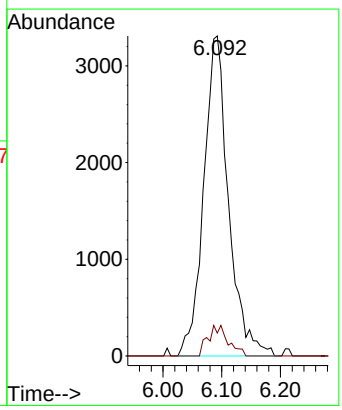
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

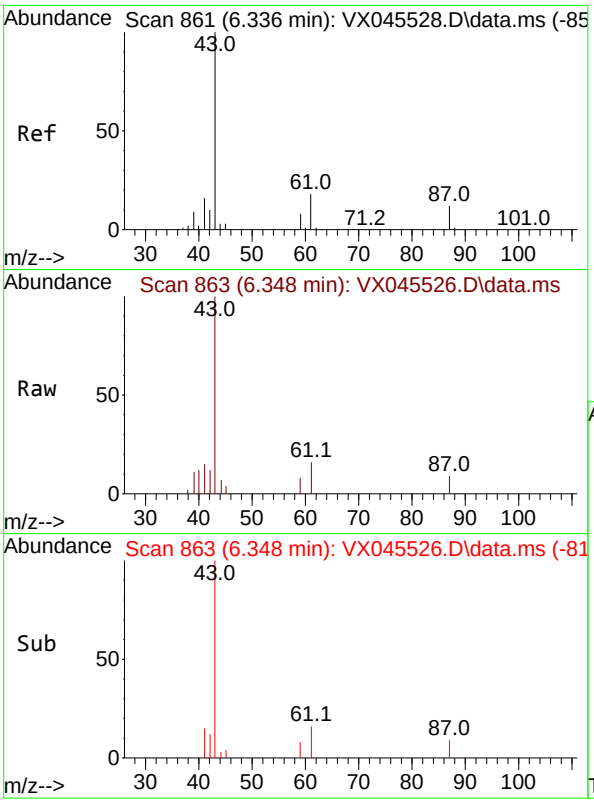


#42
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 9713

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 4.541 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

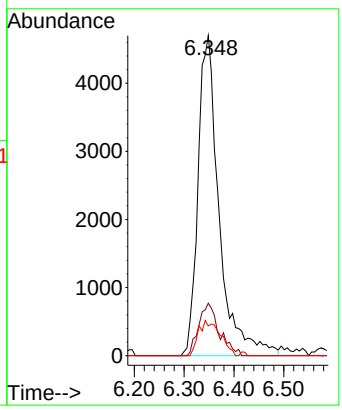
Tgt Ion: 43 Resp: 1380

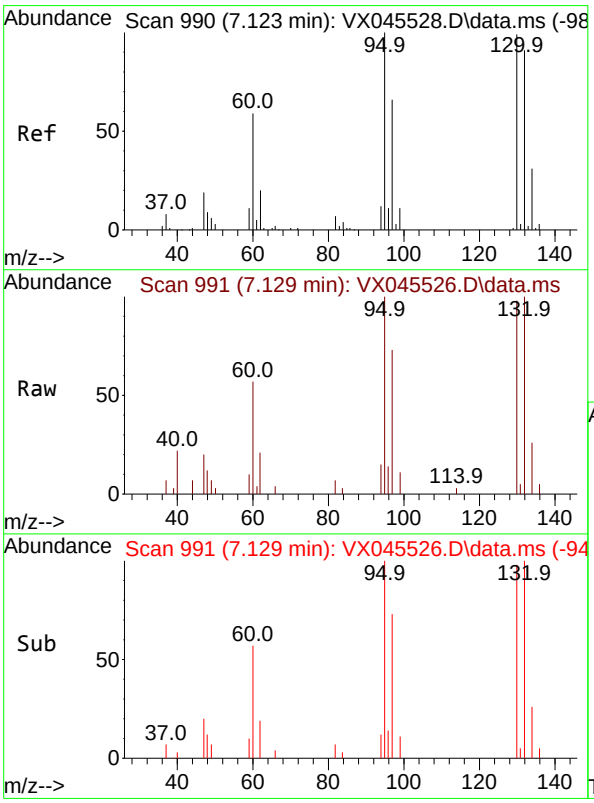
Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

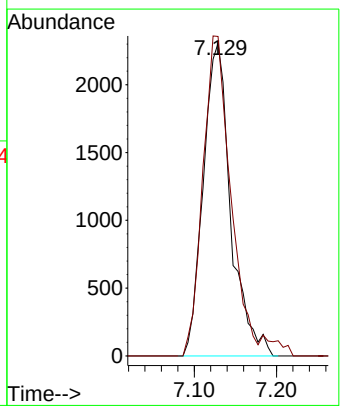


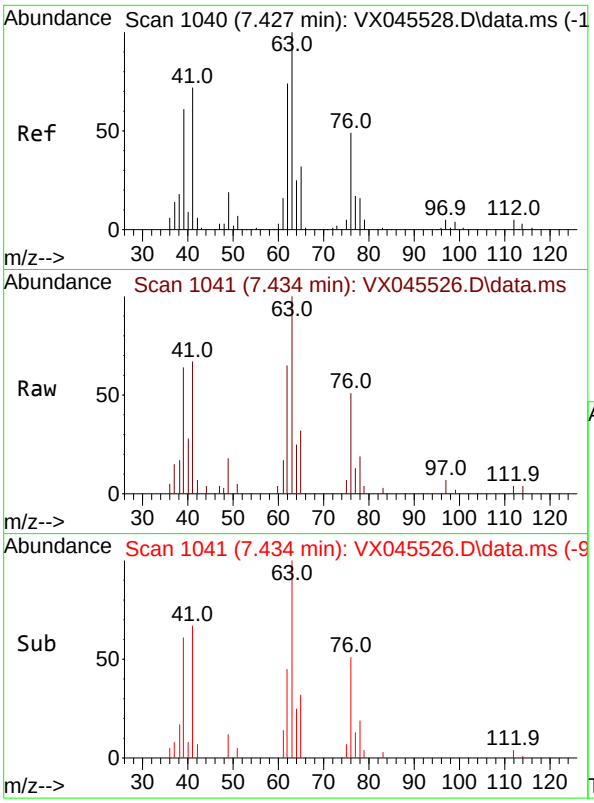


#44
Trichloroethene
Concen: 4.635 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:130 Resp: 5355

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0

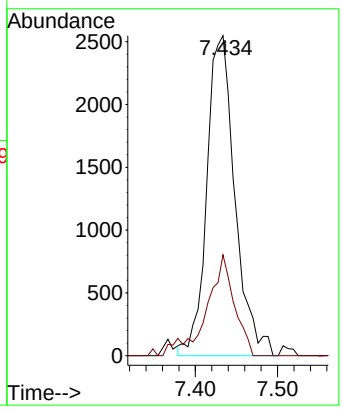




#45
1,2-Dichloropropane
Concen: 4.997 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 606

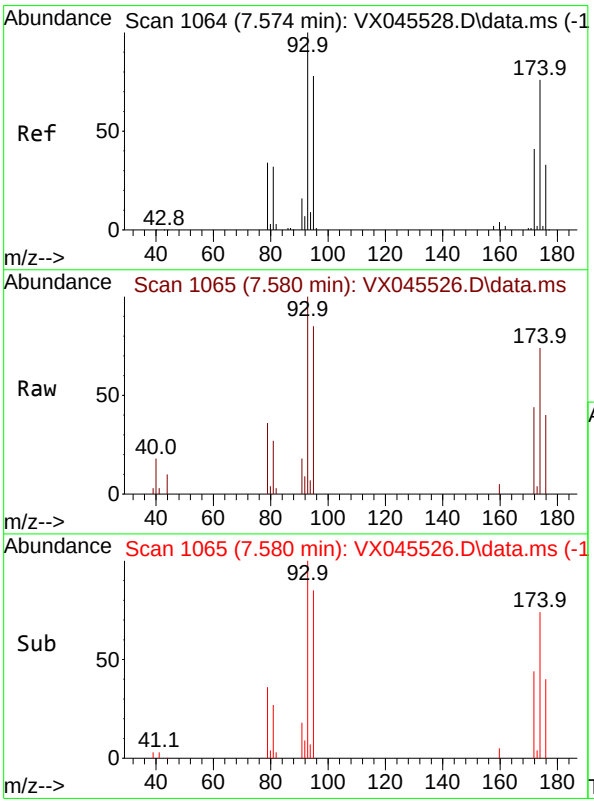
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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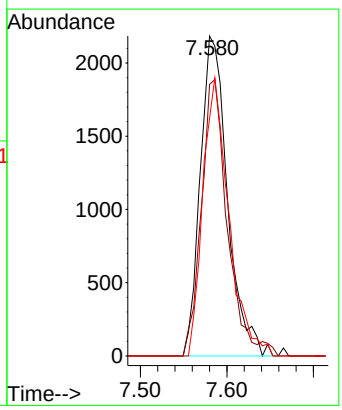
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

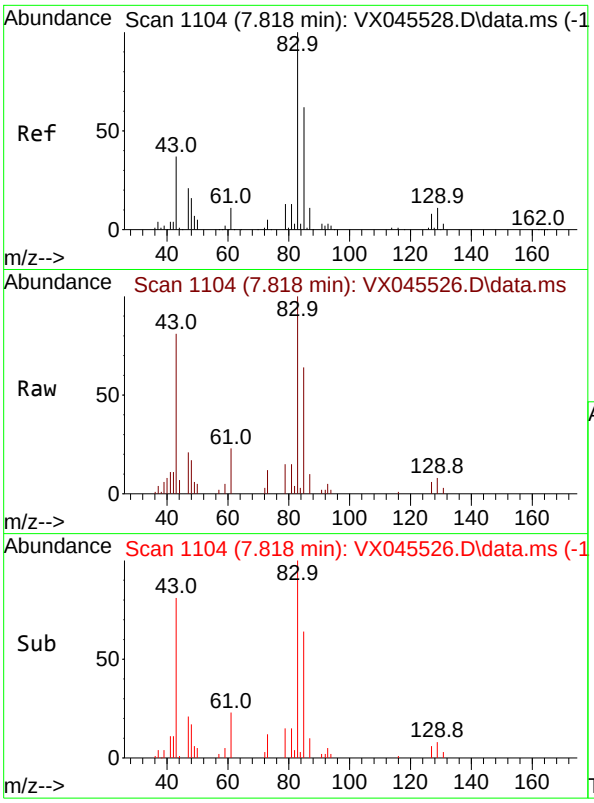


#46
Dibromomethane
Concen: 5.120 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 93 Resp: 4767

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	83.1	65.4	98.0

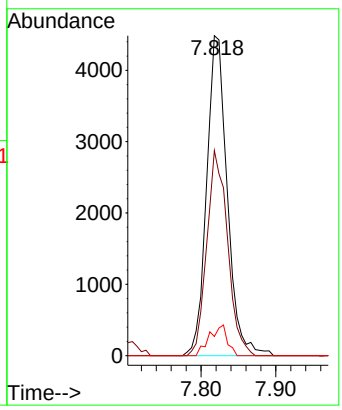




#47
Bromodichloromethane
Concen: 4.636 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 861

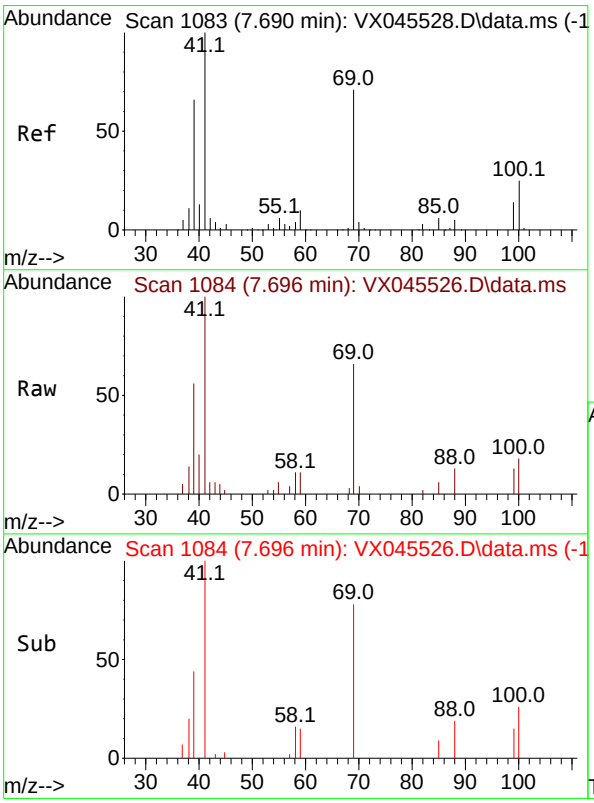
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5
127	6.0	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

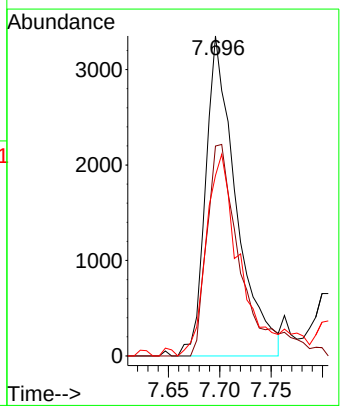
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

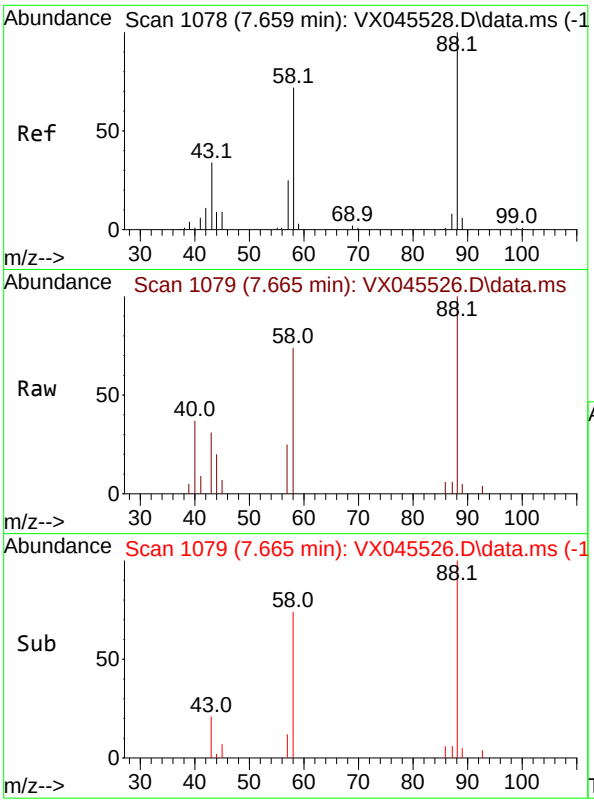


#48
Methyl methacrylate
Concen: 4.401 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 6908

Ion	Ratio	Lower	Upper
41	100		
69	74.6	58.2	87.2
39	68.3	53.6	80.4

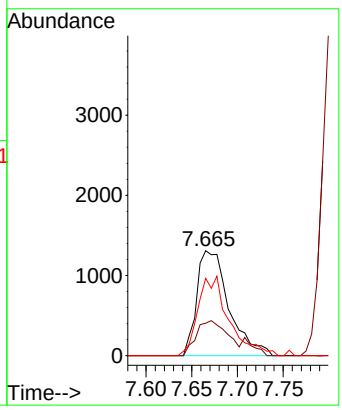




#49
1,4-Dioxane
Concen: 112.864 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 88 Resp: 320

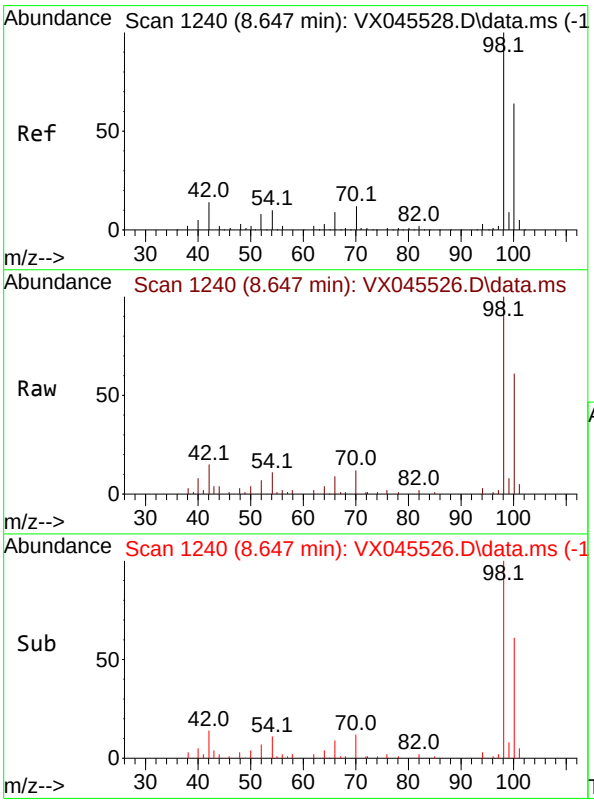
Ion	Ratio	Lower	Upper
88	100		
43	32.4	32.2	48.4
58	72.7	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

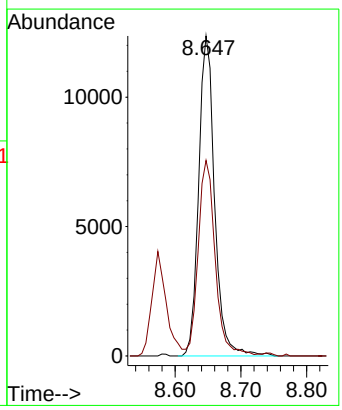
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

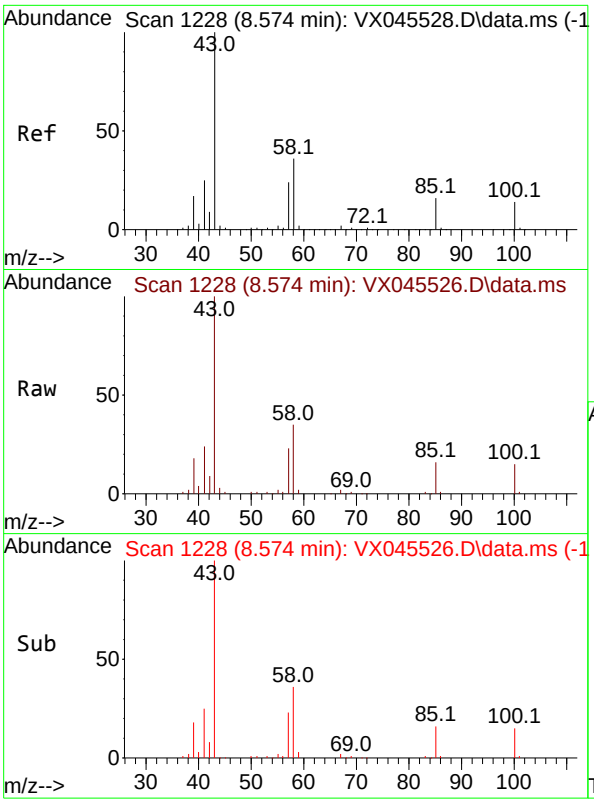


#50
Toluene-d8
Concen: 5.077 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 98 Resp: 20890

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.4

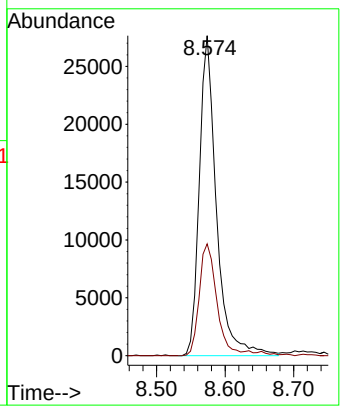




#51
4-Methyl-2-Pentanone
Concen: 23.844 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 4805

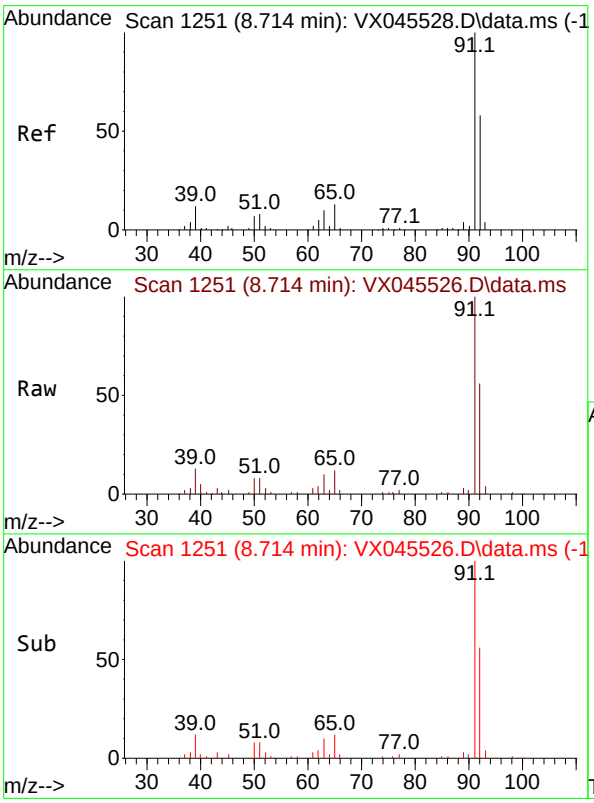
Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

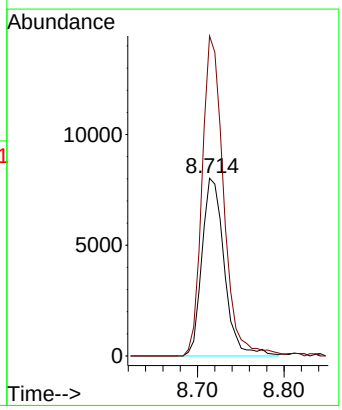
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

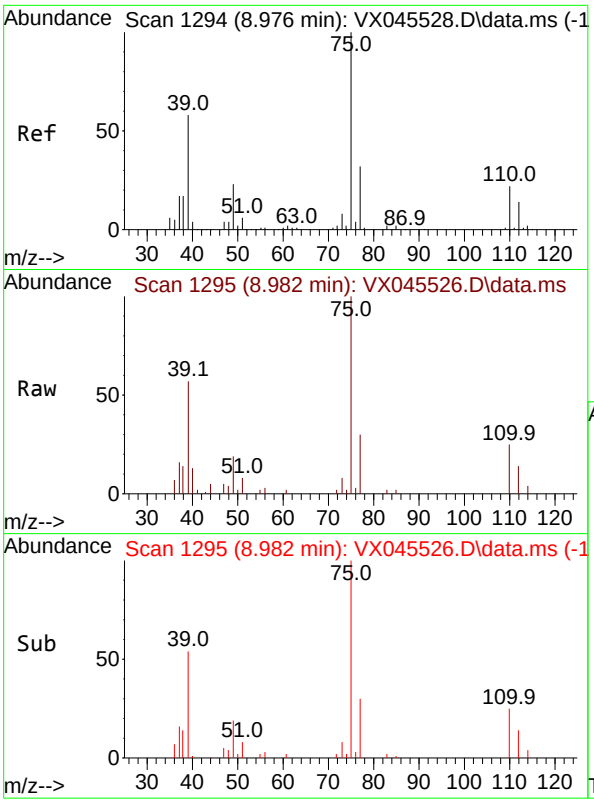


#52
Toluene
Concen: 4.893 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 92 Resp: 14391

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.7	208.1

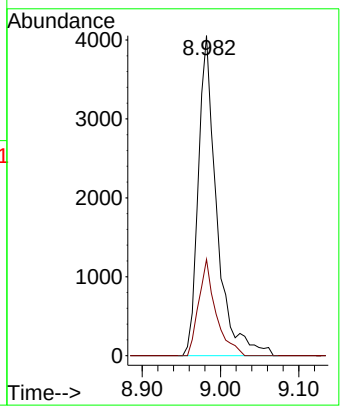




#53
t-1,3-Dichloropropene
Concen: 5.834 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 664

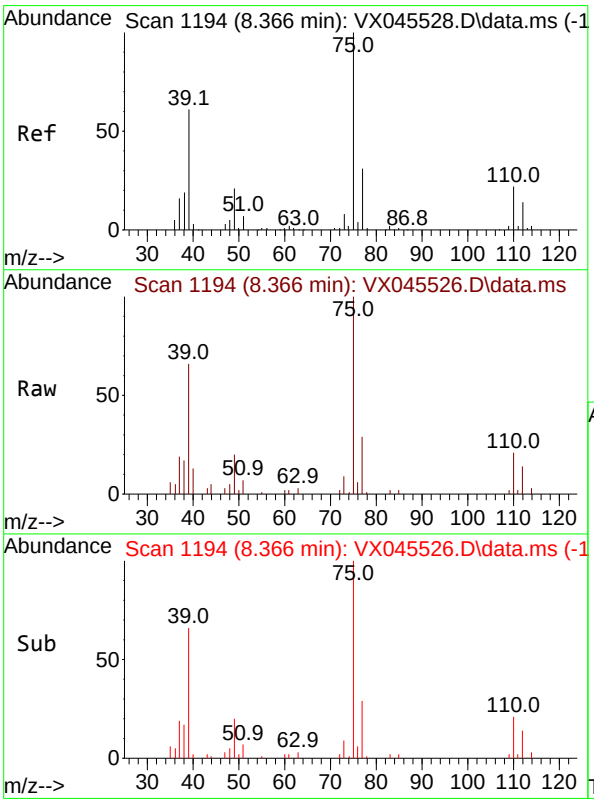
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

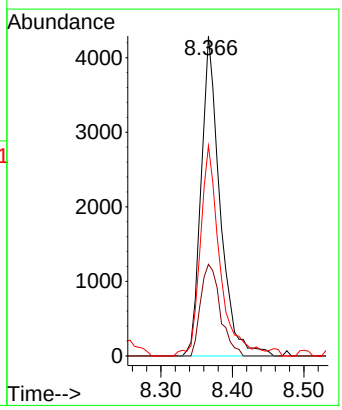
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

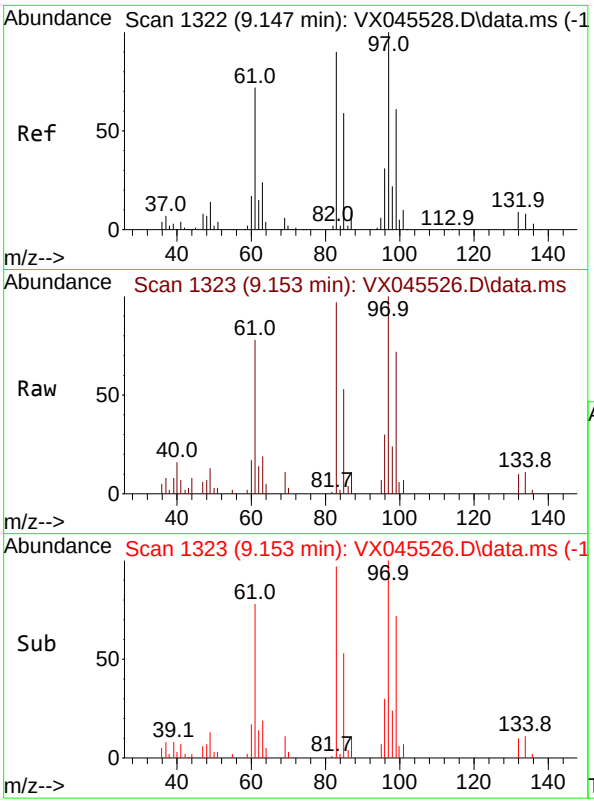


#54
cis-1,3-Dichloropropene
Concen: 4.506 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7873

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.6	36.8
39	64.4	48.4	72.6

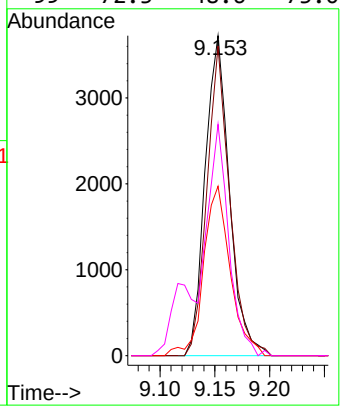




#55
1,1,2-Trichloroethane
Concen: 4.898 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 574

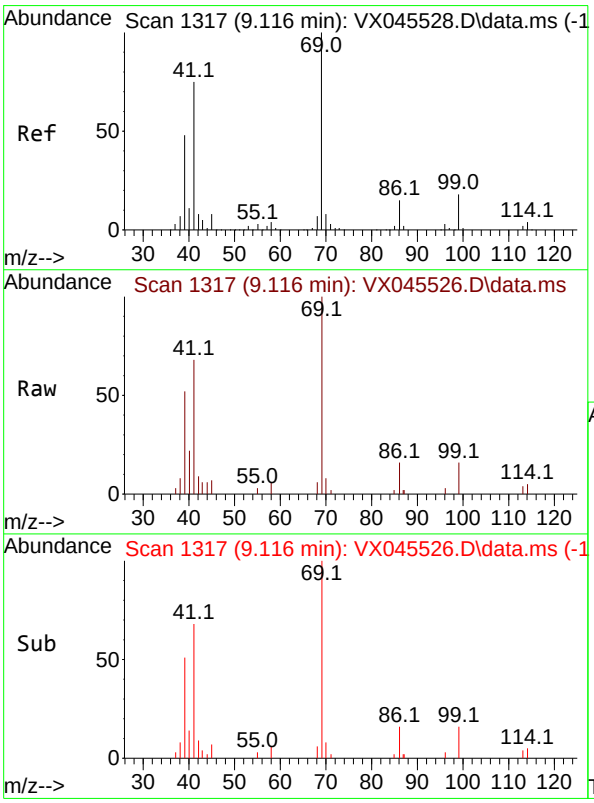
Ion	Ratio	Lower	Upper
97	100		
83	96.8	71.8	107.8
85	52.9	47.0	70.6
99	72.3	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

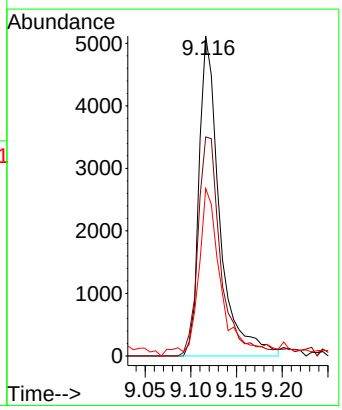
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

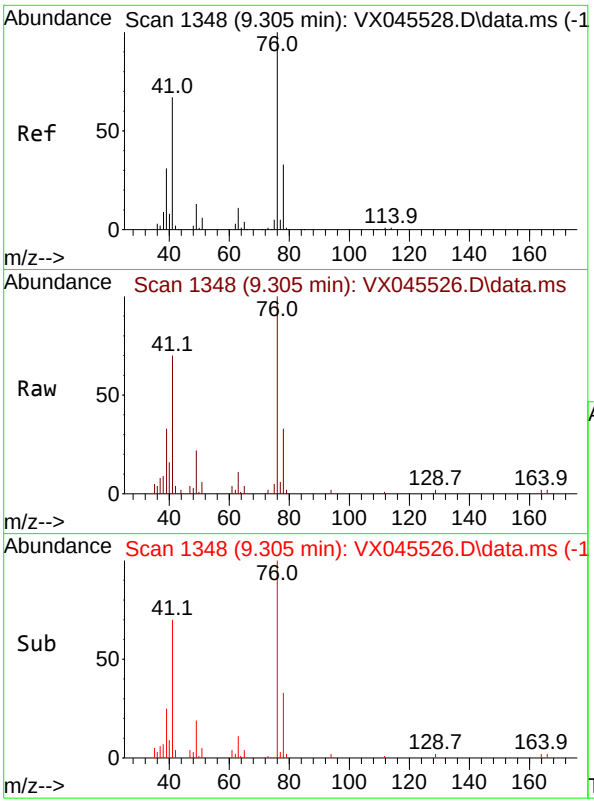


#56
Ethyl methacrylate
Concen: 4.417 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 69 Resp: 8012

Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.3	91.9
39	58.5	40.2	60.2

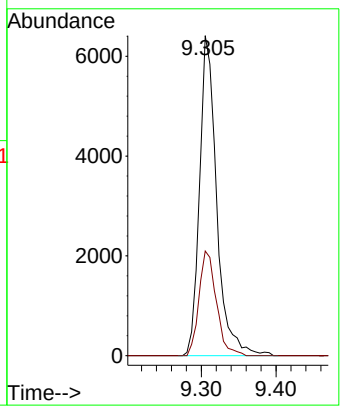




#57
1,3-Dichloropropane
Concen: 5.002 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 76 Resp: 1020

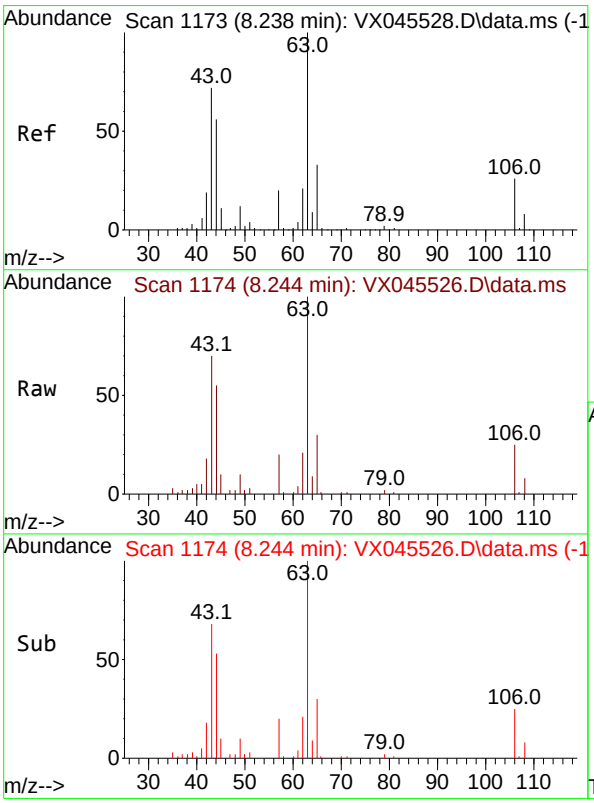
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

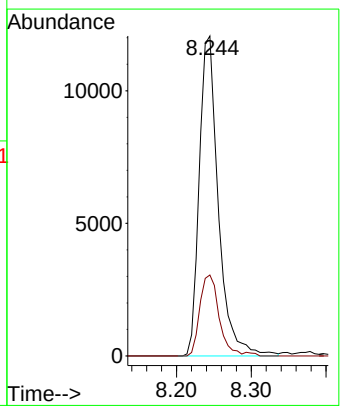
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

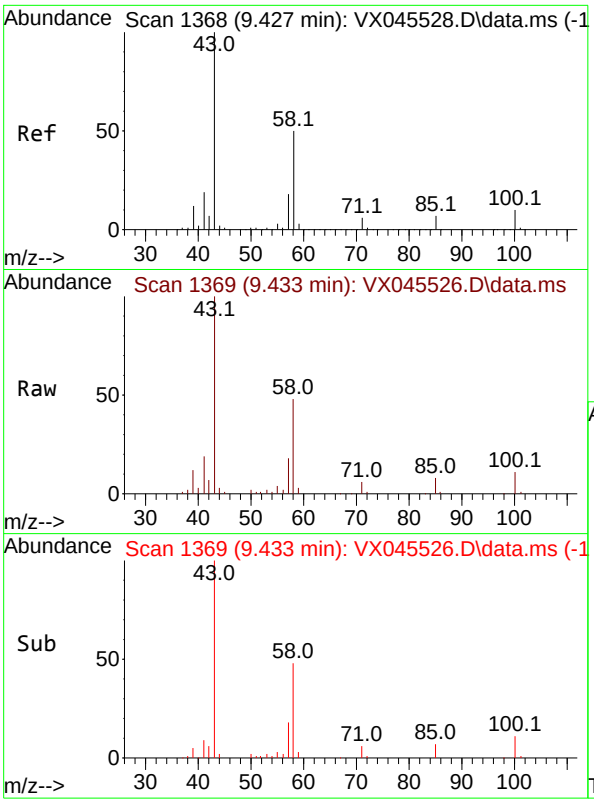


#58
2-Chloroethyl Vinyl ether
Concen: 23.302 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 21382

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.0	31.6

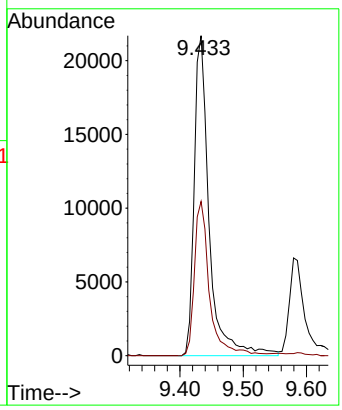




#59
2-Hexanone
Concen: 23.875 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 3562

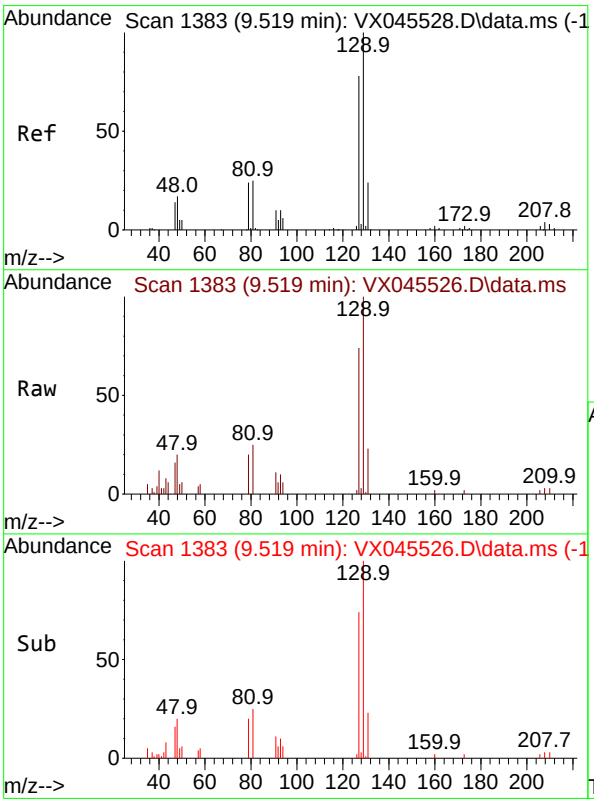
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

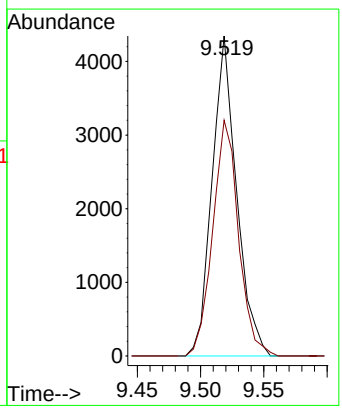
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

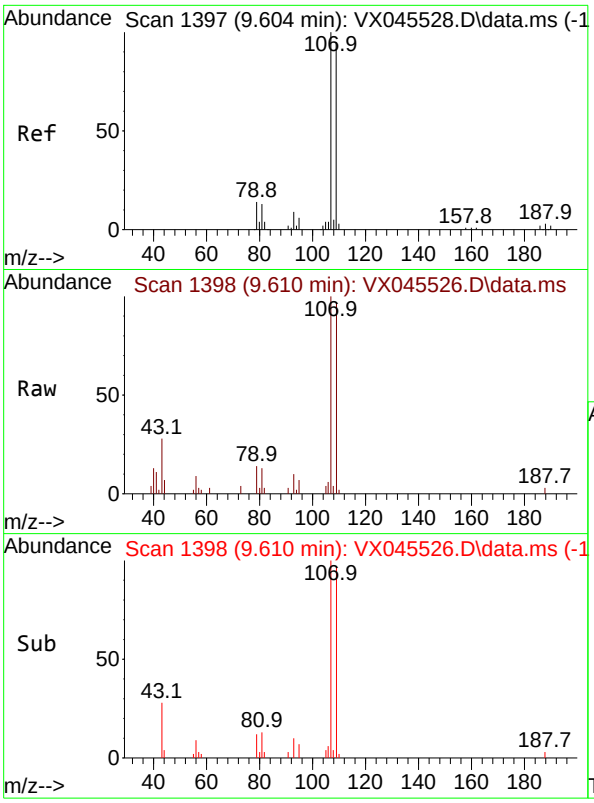


#60
Dibromochloromethane
Concen: 4.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:129 Resp: 5855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.4	118.2

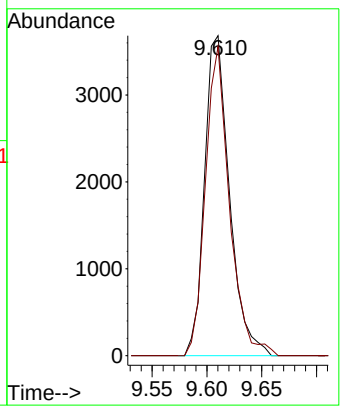




#61
1,2-Dibromoethane
Concen: 4.920 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:107 Resp: 583

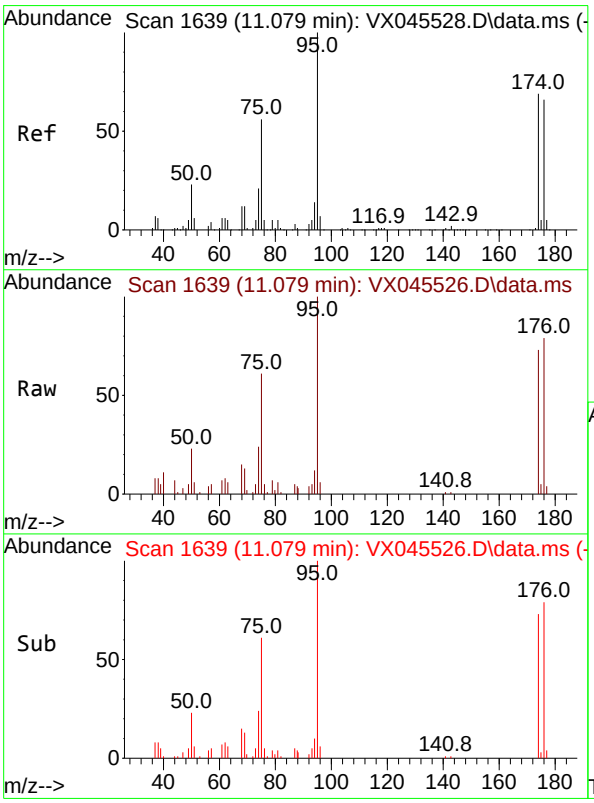
Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

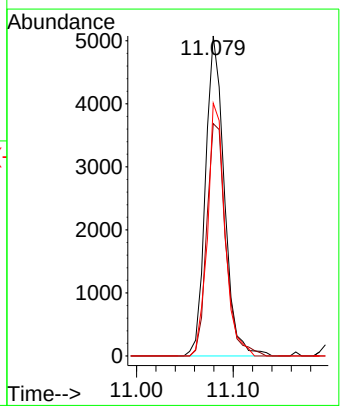
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

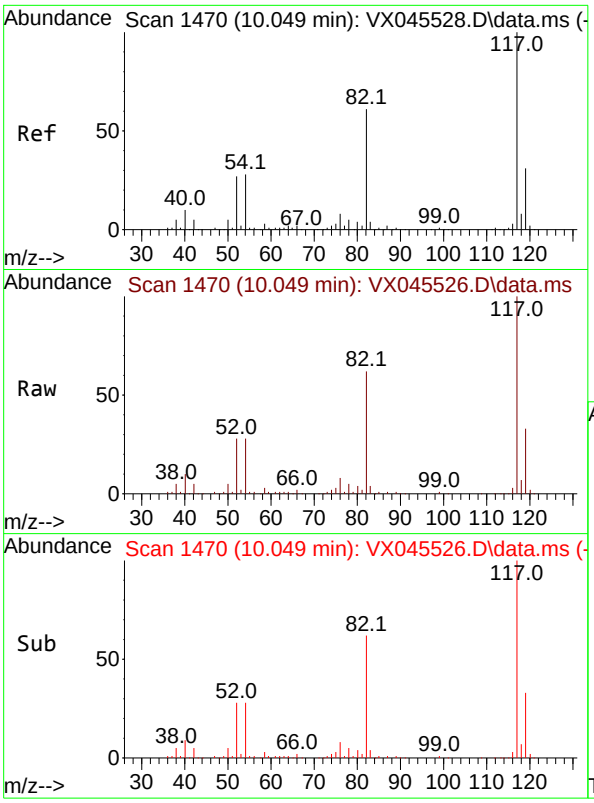


#62
4-Bromofluorobenzene
Concen: 4.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 95 Resp: 6867

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	135.8
176	73.3	0.0	131.4

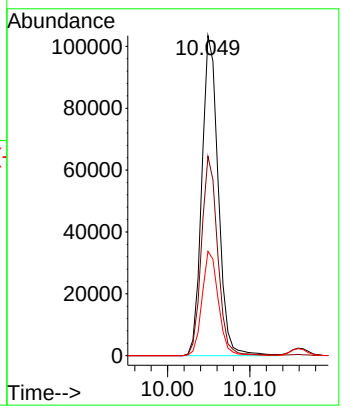




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 14393

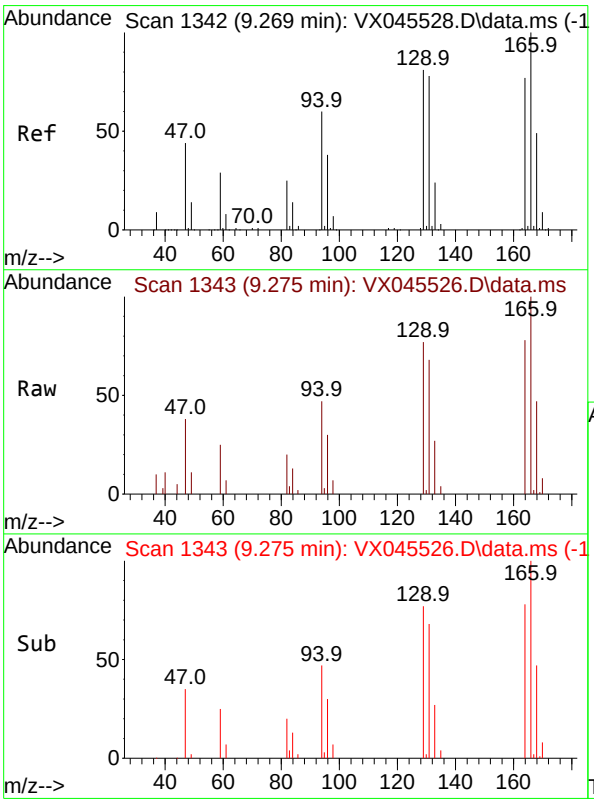
Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	32.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

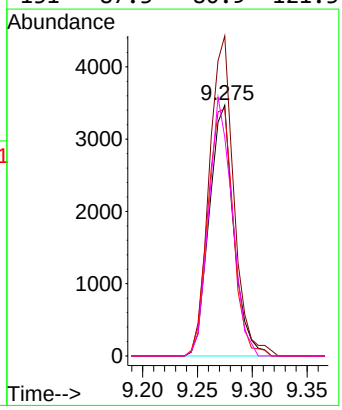
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

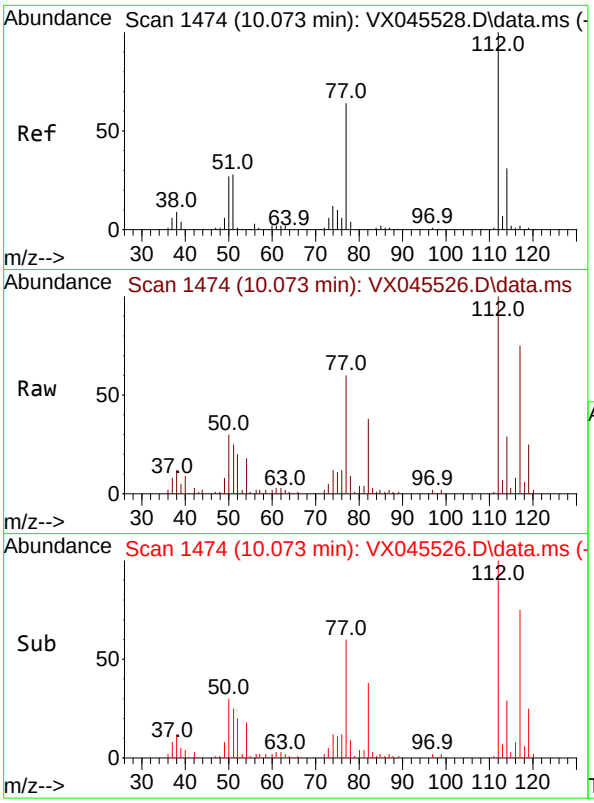


#64
Tetrachloroethene
Concen: 5.287 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:164 Resp: 5373

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.8	155.8
129	98.6	84.3	126.5
131	87.3	80.9	121.3

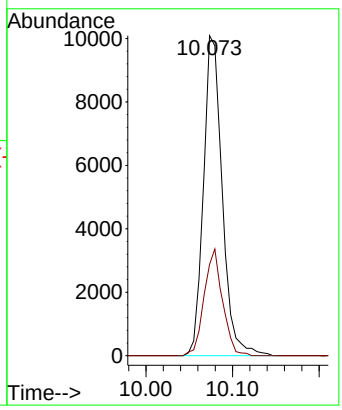




#65
Chlorobenzene
Concen: 4.935 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:112 Resp: 1517

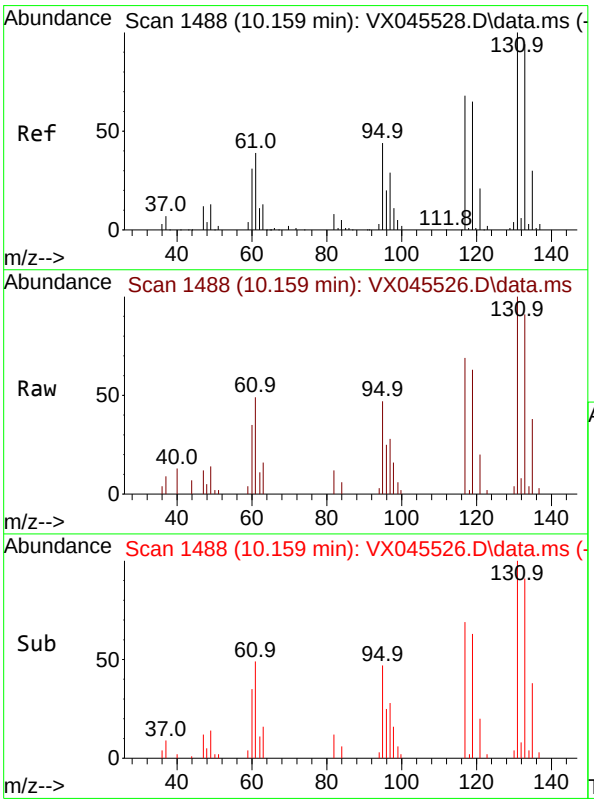
Ion	Ratio	Lower	Upper
112	100		
114	28.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

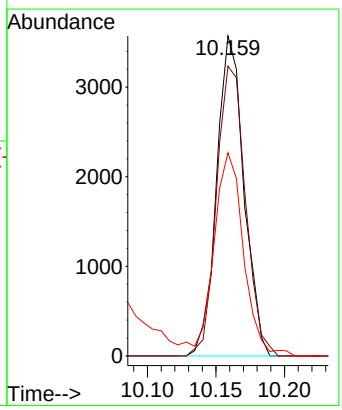
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

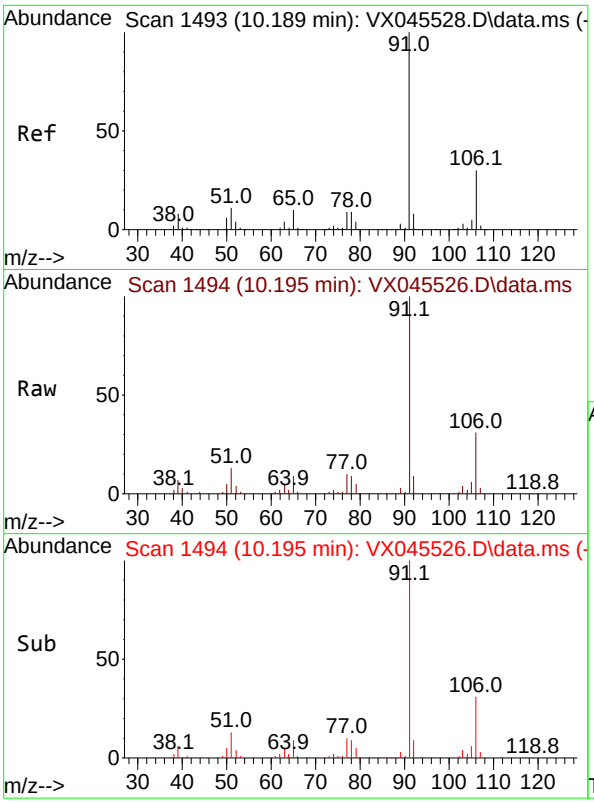


#66
1,1,1,2-Tetrachloroethane
Concen: 4.631 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:131 Resp: 4945

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	70.0	32.9	98.6

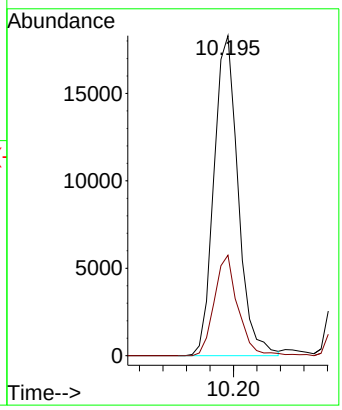




#67
Ethyl Benzene
Concen: 4.753 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 2618

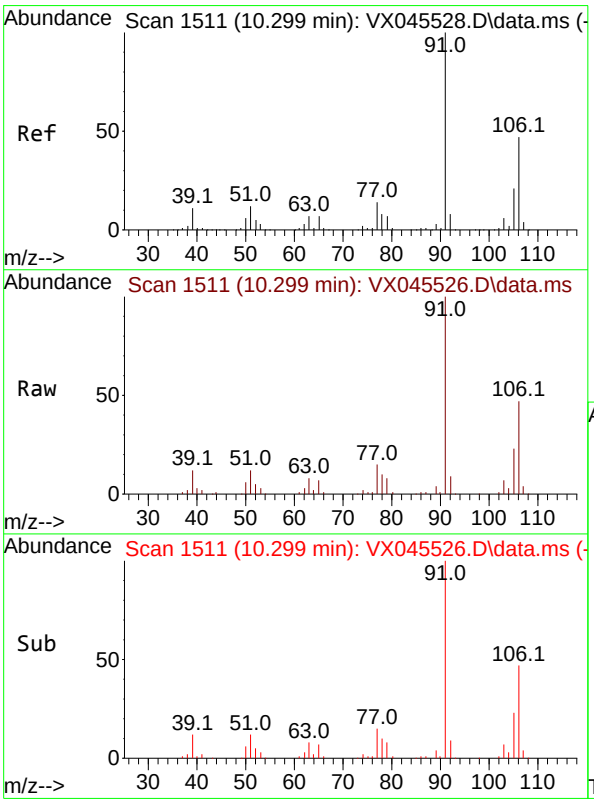
Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

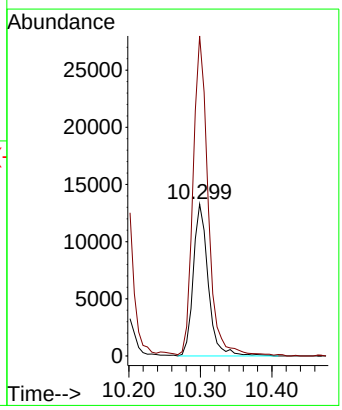
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

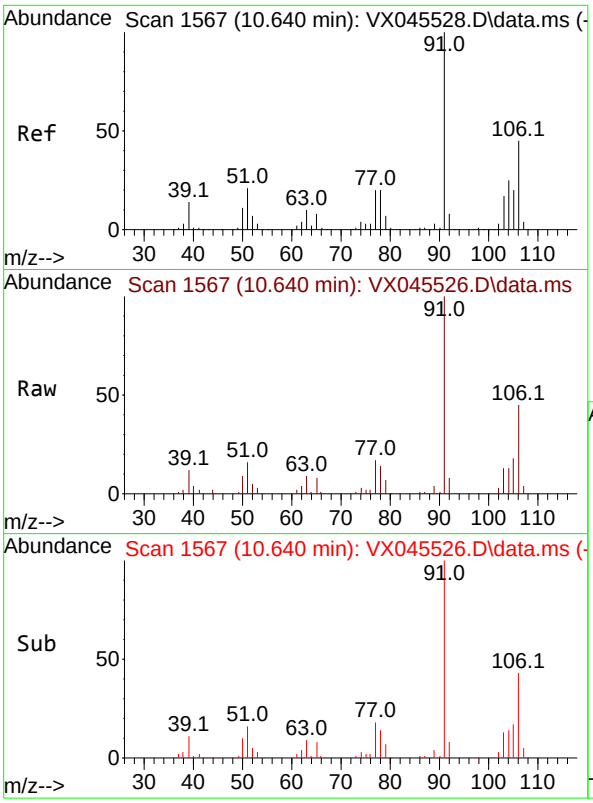


#68
m/p-Xylenes
Concen: 9.617 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 19268

Ion	Ratio	Lower	Upper
106	100		
91	213.6	172.6	258.8

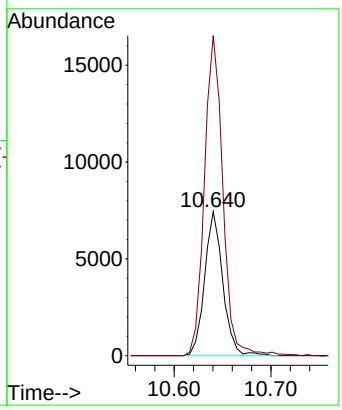




#69
o-Xylene
Concen: 4.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 973

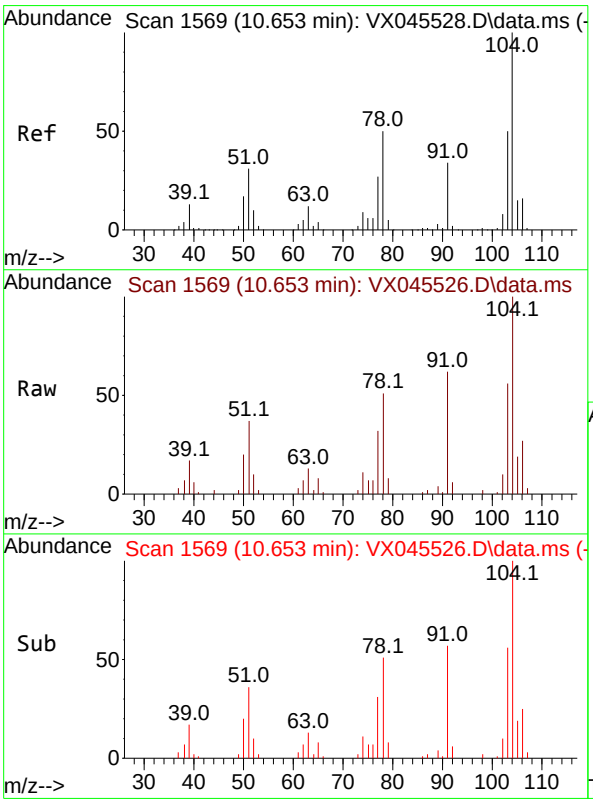
Ion	Ratio	Lower	Upper
106	100		
91	225.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

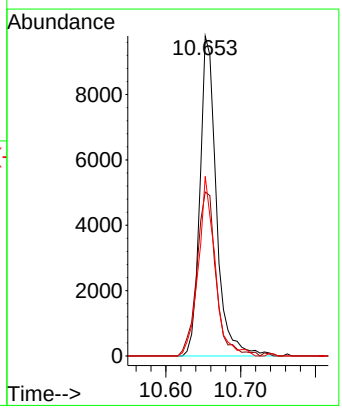
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

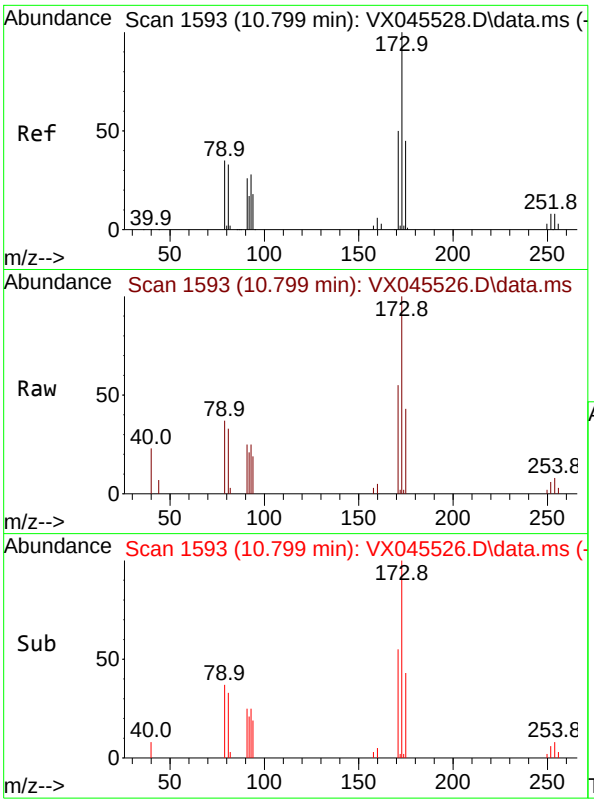


#70
Styrene
Concen: 4.610 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:104 Resp: 15017

Ion	Ratio	Lower	Upper
104	100		
78	59.8	45.4	68.2
103	57.1	43.8	65.8

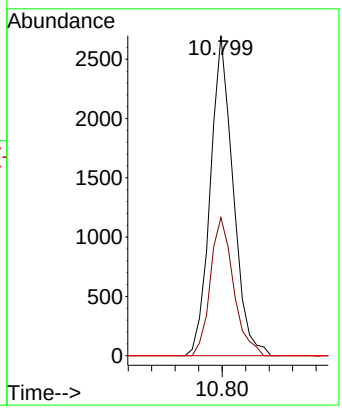




#71
Bromoform
Concen: 4.558 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:173 Resp: 363

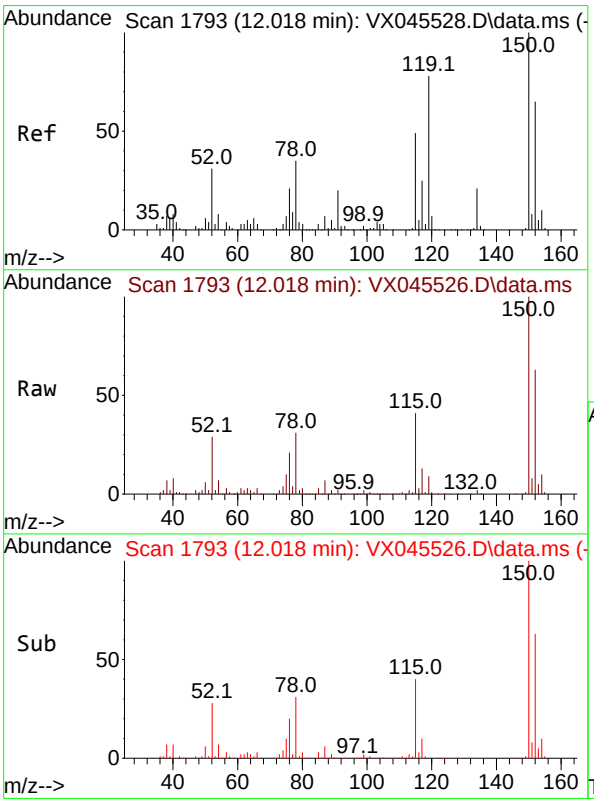
Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

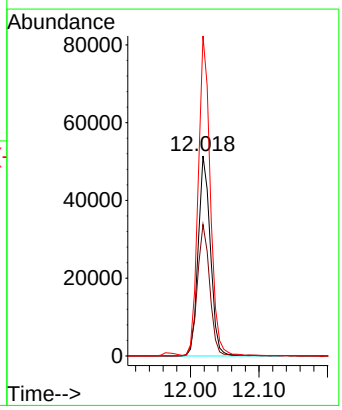
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

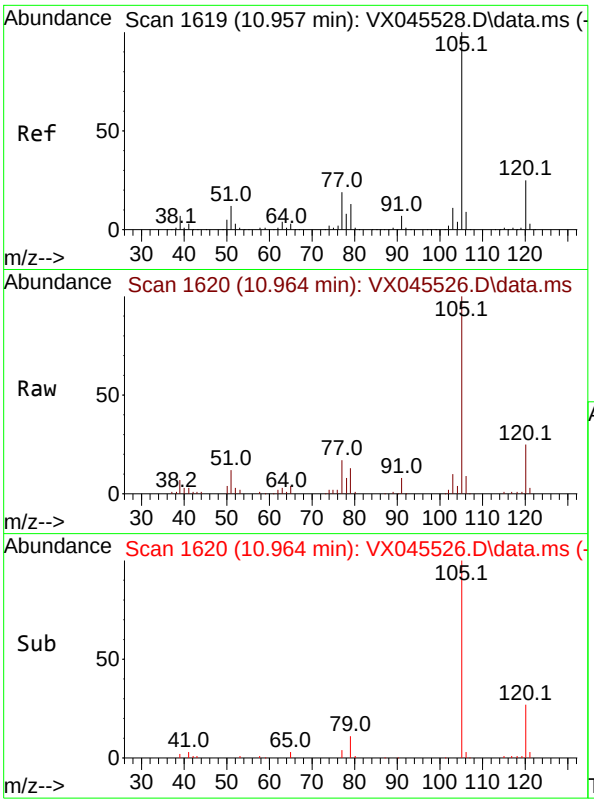


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:152 Resp: 63909

Ion	Ratio	Lower	Upper
152	100		
115	66.5	46.9	140.7
150	157.5	0.0	349.4





#73
Isopropylbenzene
Concen: 4.806 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

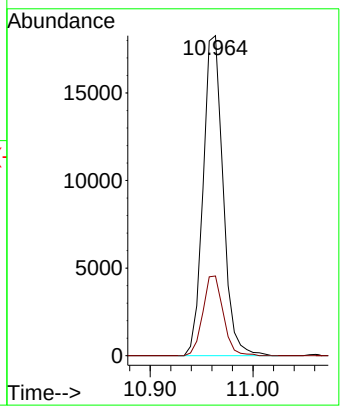
Tgt Ion:105 Resp: 2460

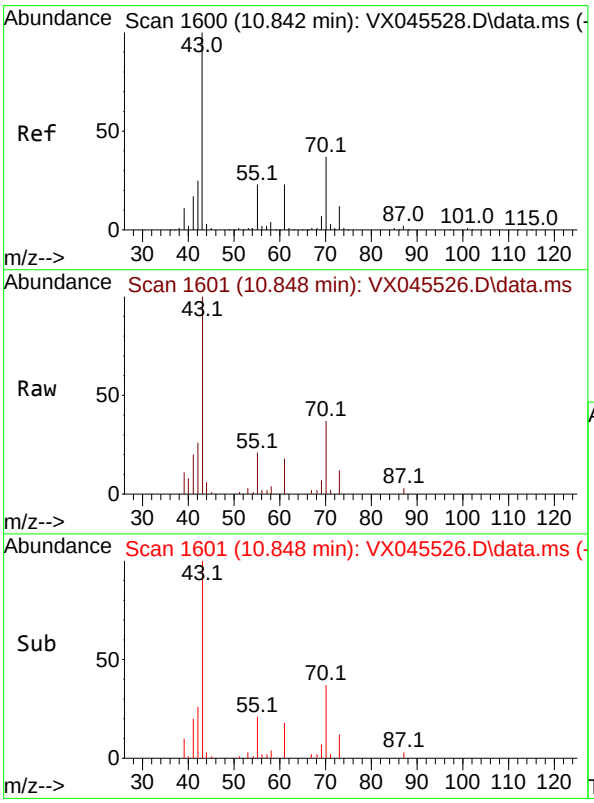
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

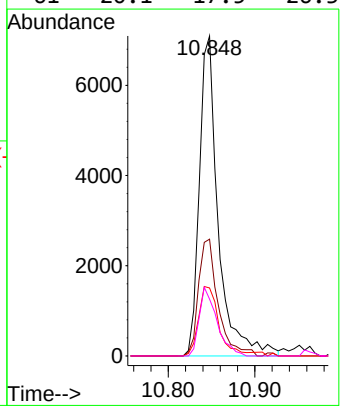


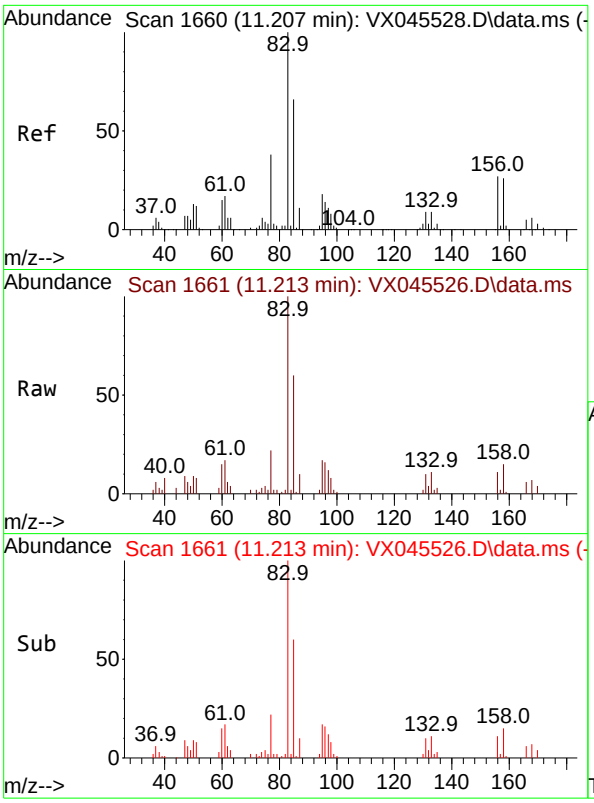


#74
N-amyl acetate
Concen: 4.390 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 10750

Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.1	45.1
55	23.0	18.3	27.5
61	20.1	17.5	26.3

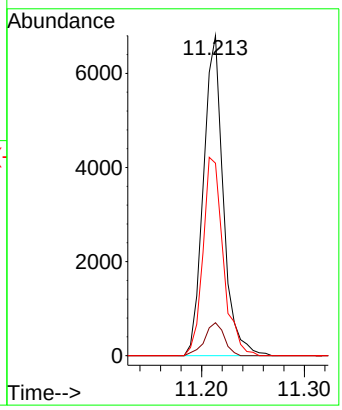




#75
1,1,2,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 912

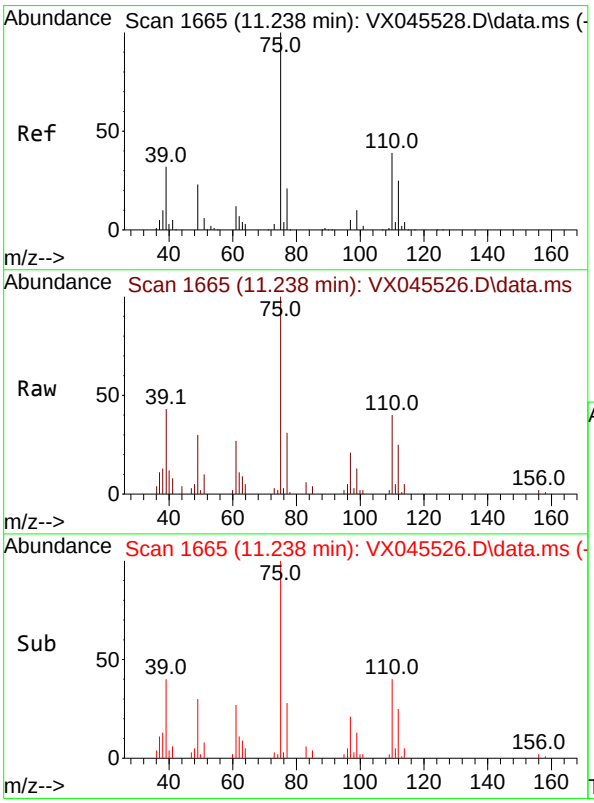
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	63.5	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

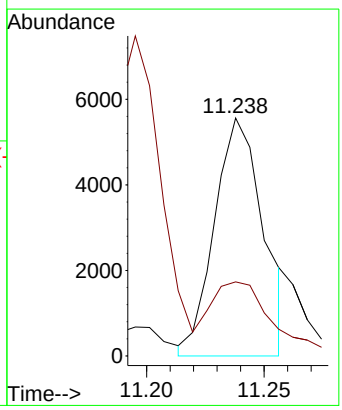
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

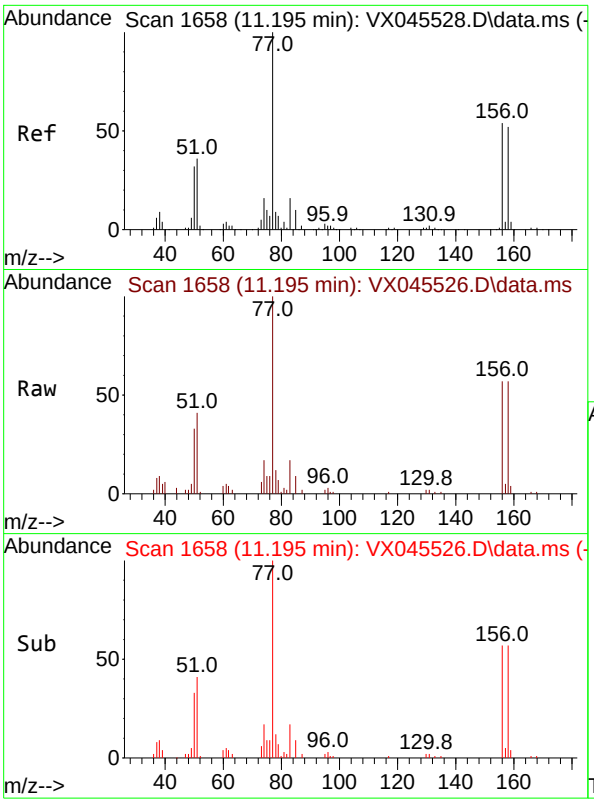


#76
1,2,3-Trichloropropane
Concen: 5.152 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 8032

Ion	Ratio	Lower	Upper
75	100		
77	40.2	20.0	59.9

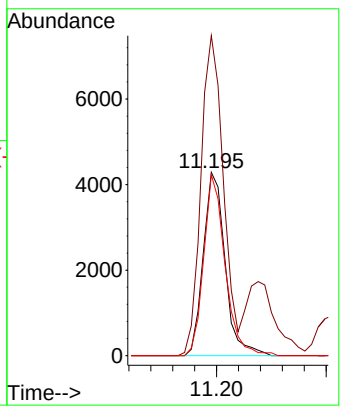




#77
Bromobenzene
Concen: 5.011 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:156 Resp: 592

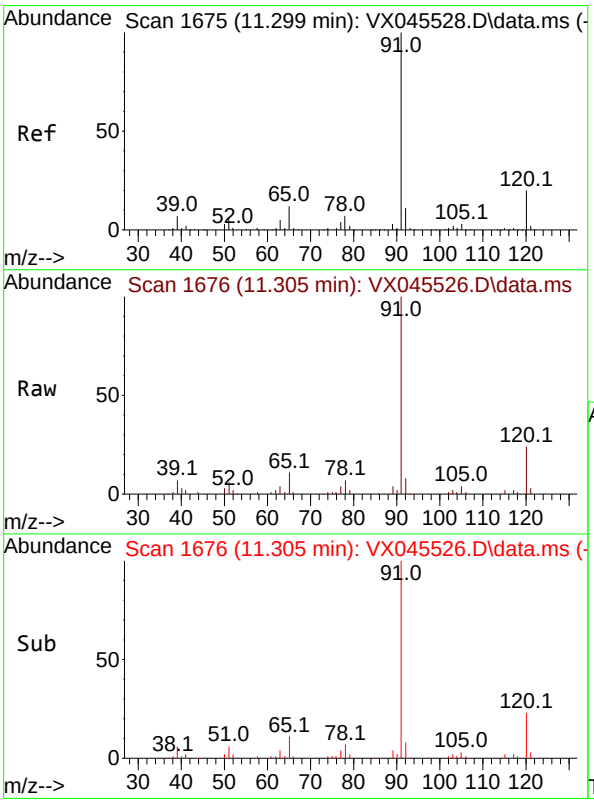
Ion	Ratio	Lower	Upper
156	100		
77	178.8	92.6	277.8
158	97.0	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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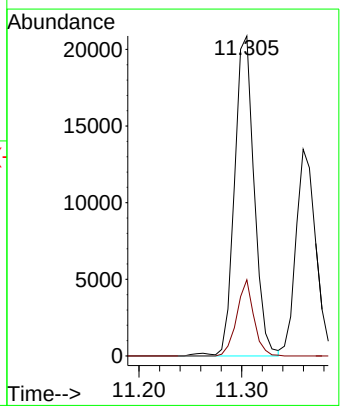
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

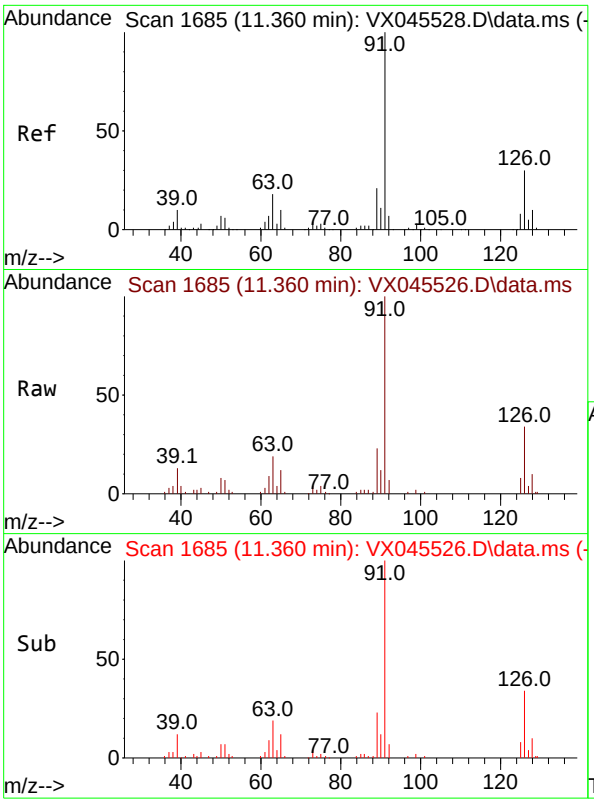


#78
n-propylbenzene
Concen: 4.711 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 27777

Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.8	32.3

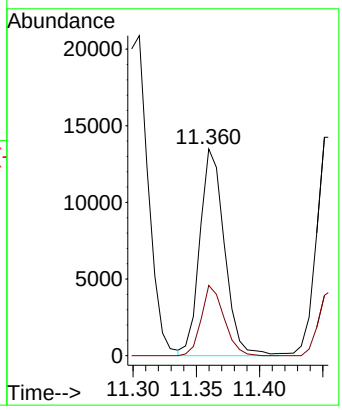




#79
2-Chlorotoluene
Concen: 4.870 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1835

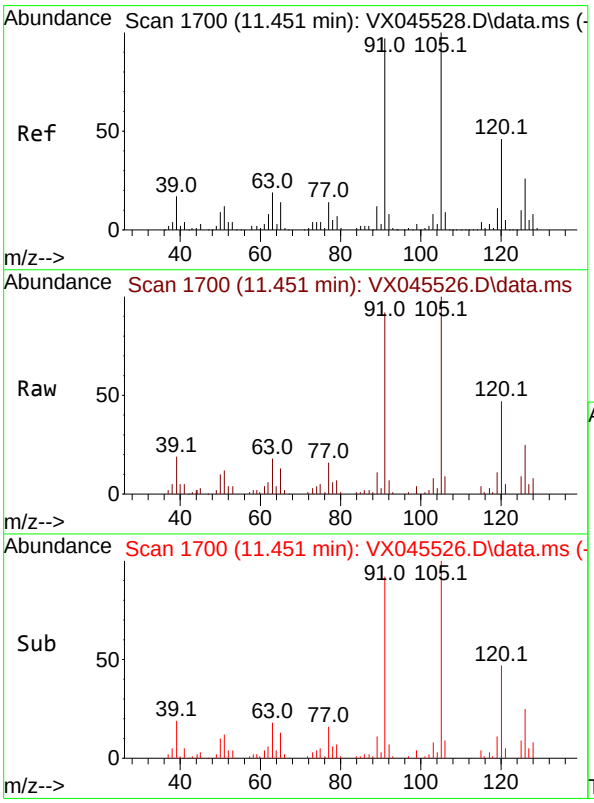
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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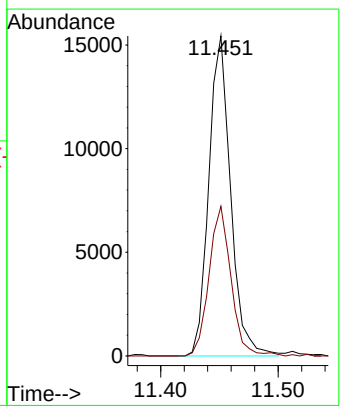
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

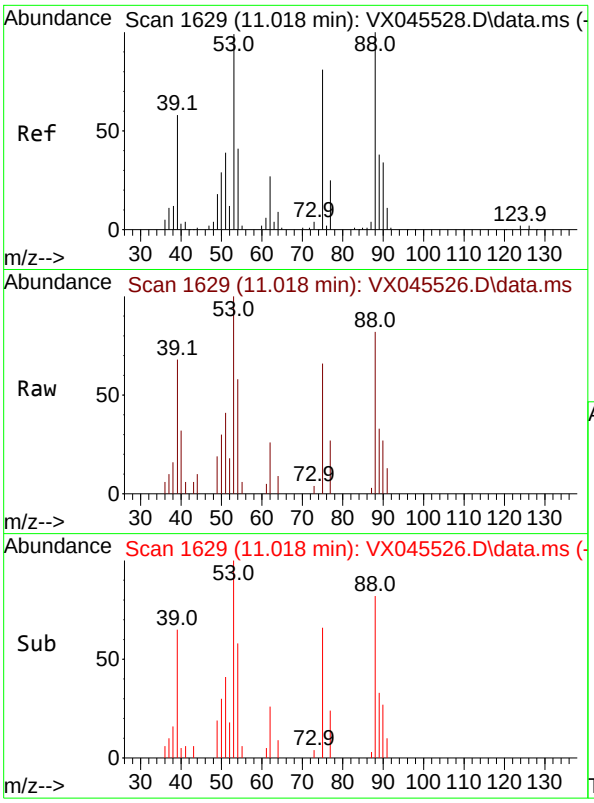


#80
1,3,5-Trimethylbenzene
Concen: 4.710 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19936

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 3.814 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

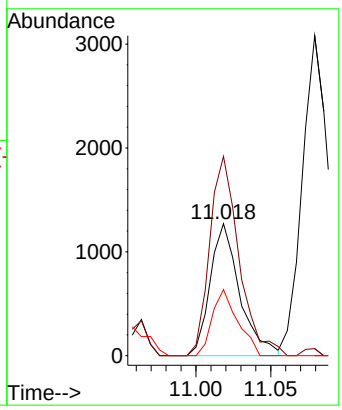
Tgt Ion: 75 Resp: 175

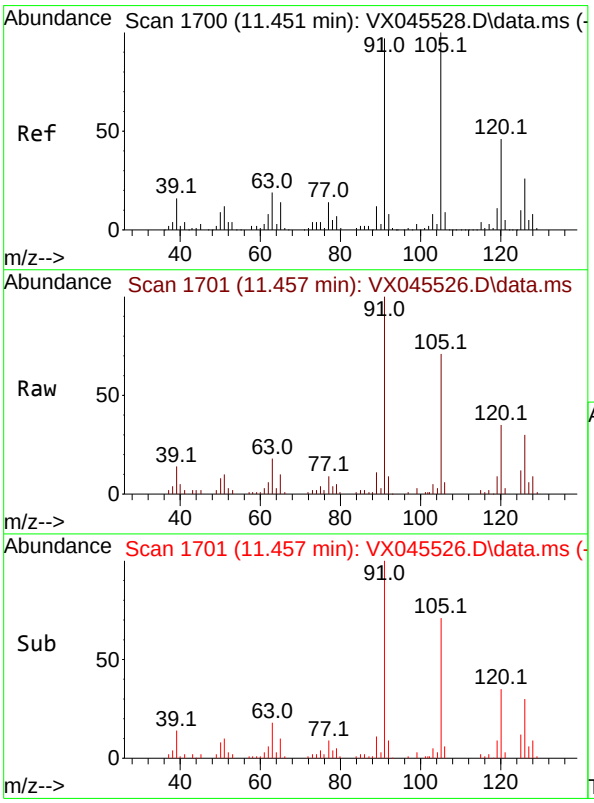
Ion	Ratio	Lower	Upper
75	100		
53	149.1	101.8	152.6
89	43.1	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

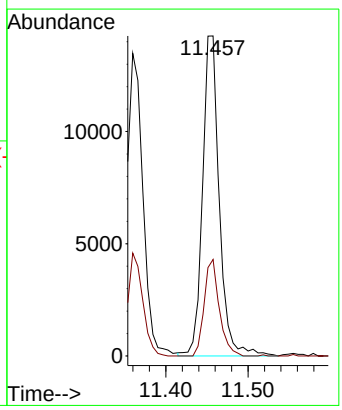


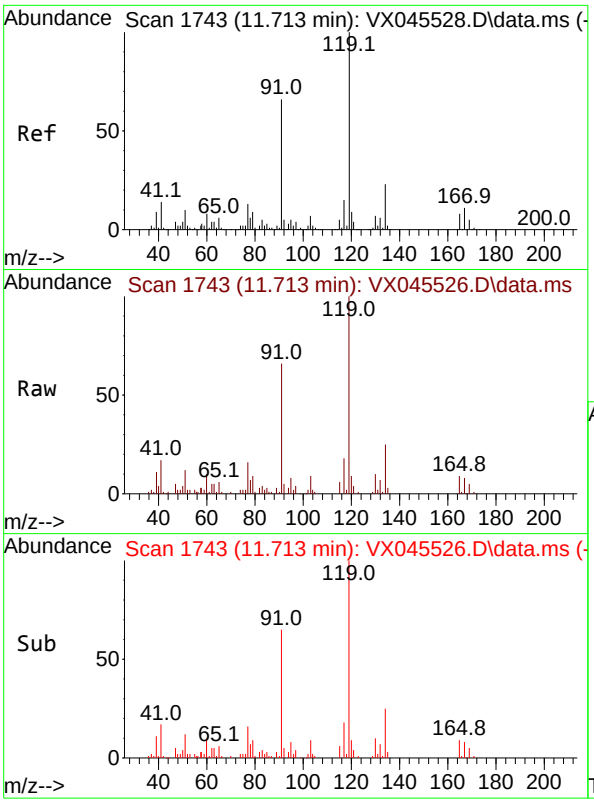


#82
4-Chlorotoluene
Concen: 4.799 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 20171

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.9

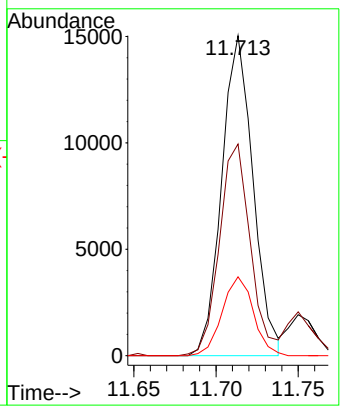




#83
tert-Butylbenzene
Concen: 4.763 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:119 Resp: 1996

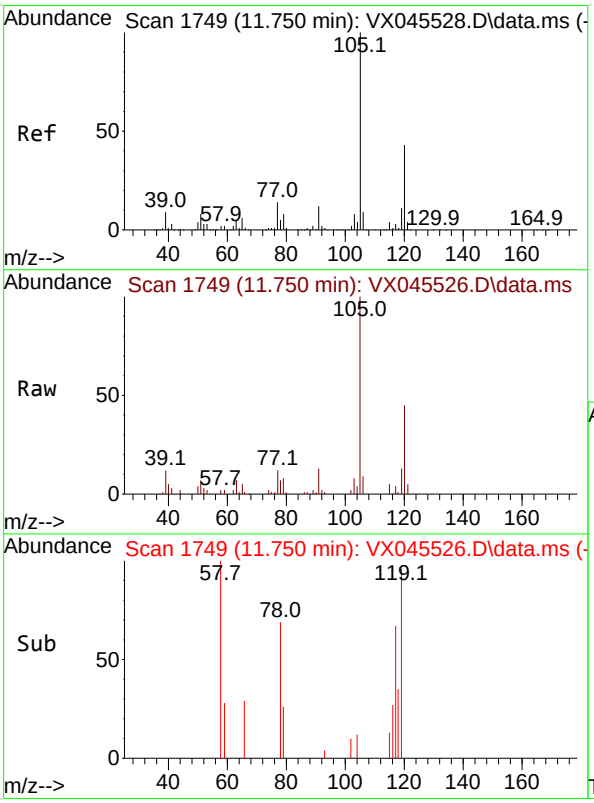
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

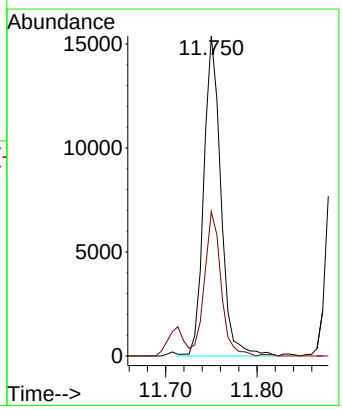
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

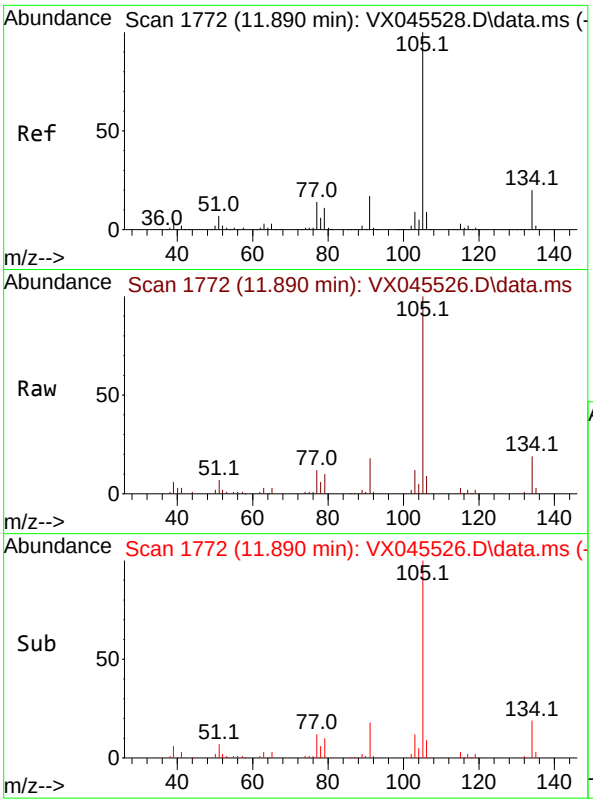


#84
1,2,4-Trimethylbenzene
Concen: 4.707 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19998

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3

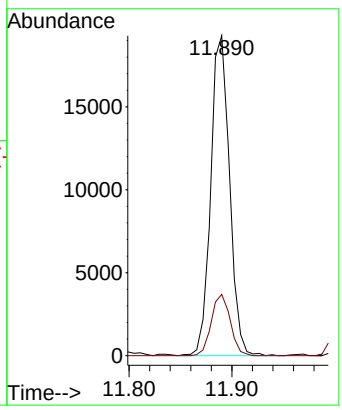




#85
sec-Butylbenzene
Concen: 4.753 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 2446

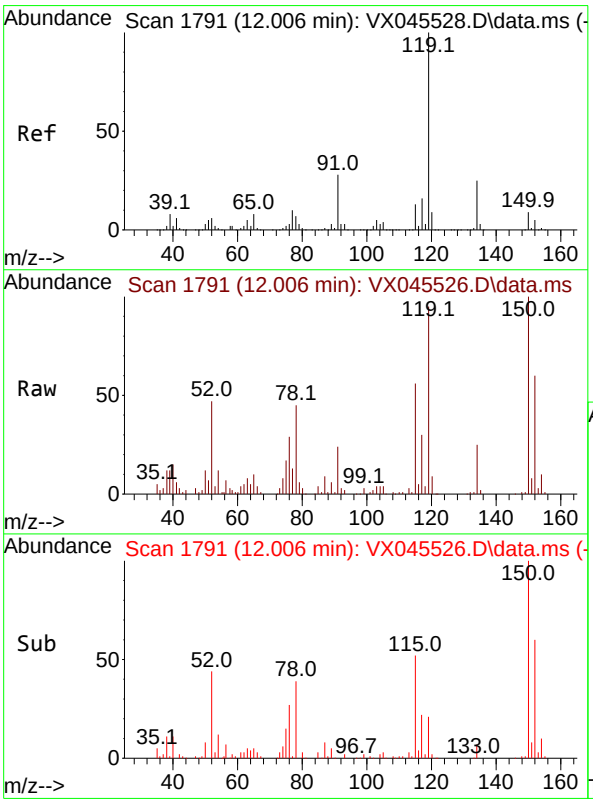
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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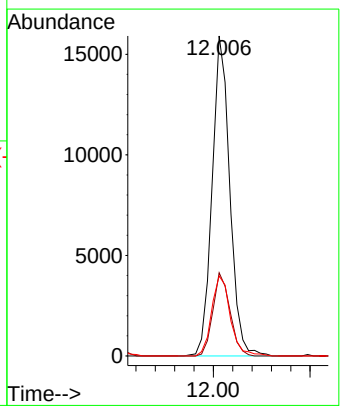
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

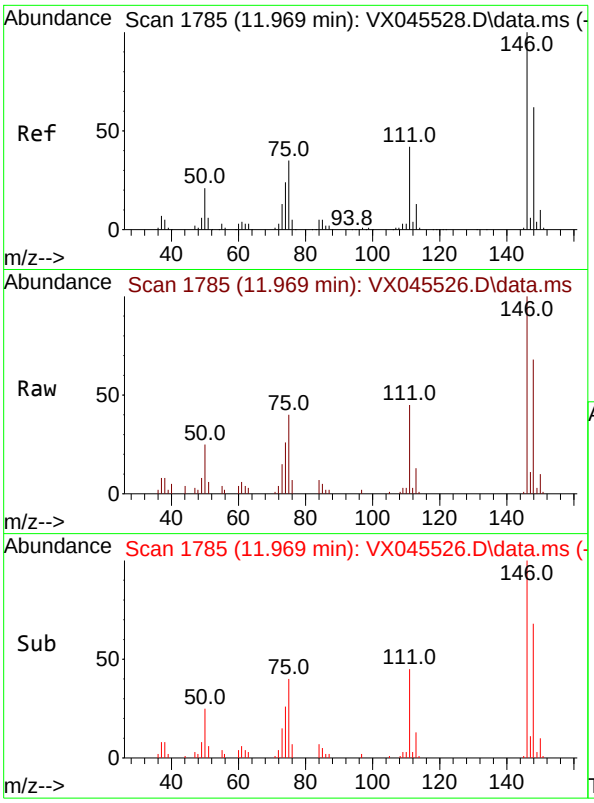


#86
p-Isopropyltoluene
Concen: 4.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:119 Resp: 20178

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	26.4	13.7	41.1

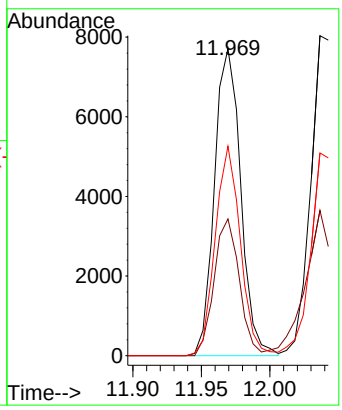




#87
1,3-Dichlorobenzene
Concen: 4.763 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1025

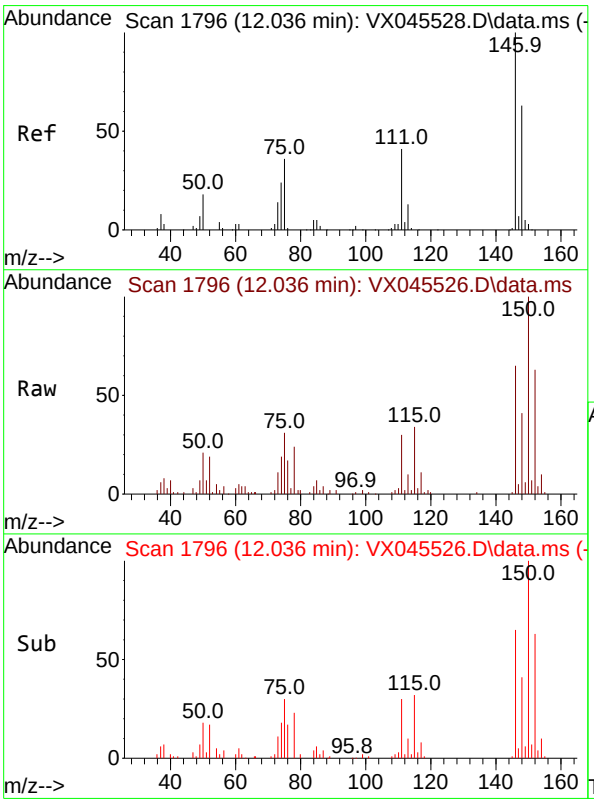
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.2	66.6
148	65.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

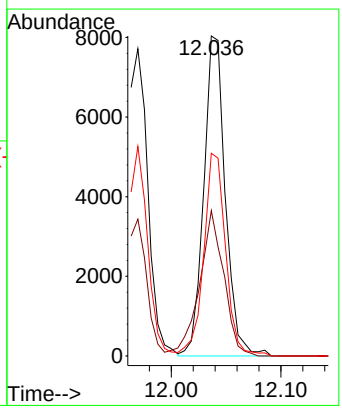
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

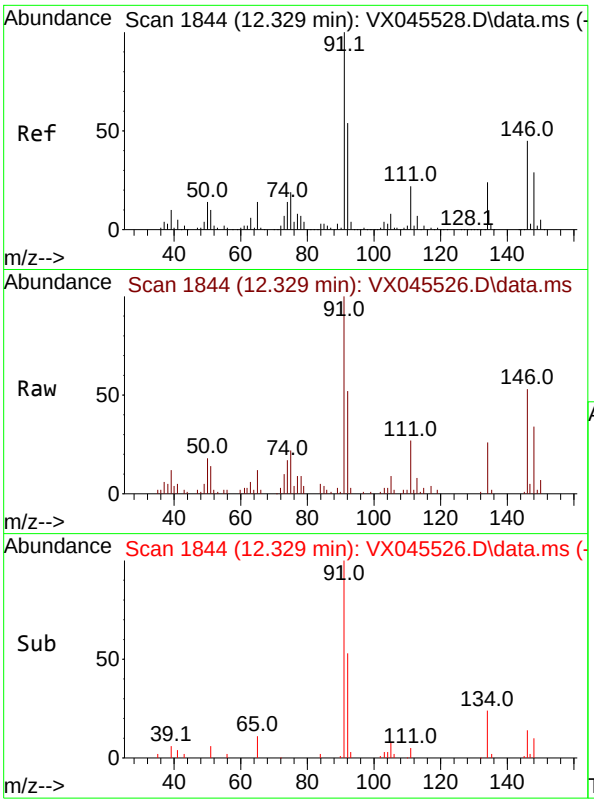


#88
1,4-Dichlorobenzene
Concen: 5.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 11016

Ion	Ratio	Lower	Upper
146	100		
111	51.4	20.9	62.8
148	64.2	31.5	94.5

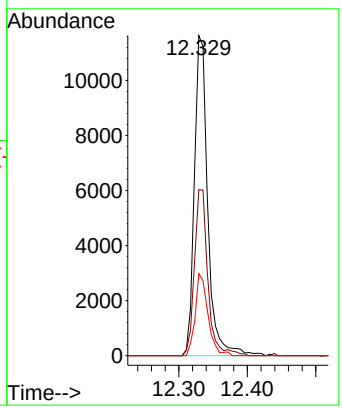




#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1588

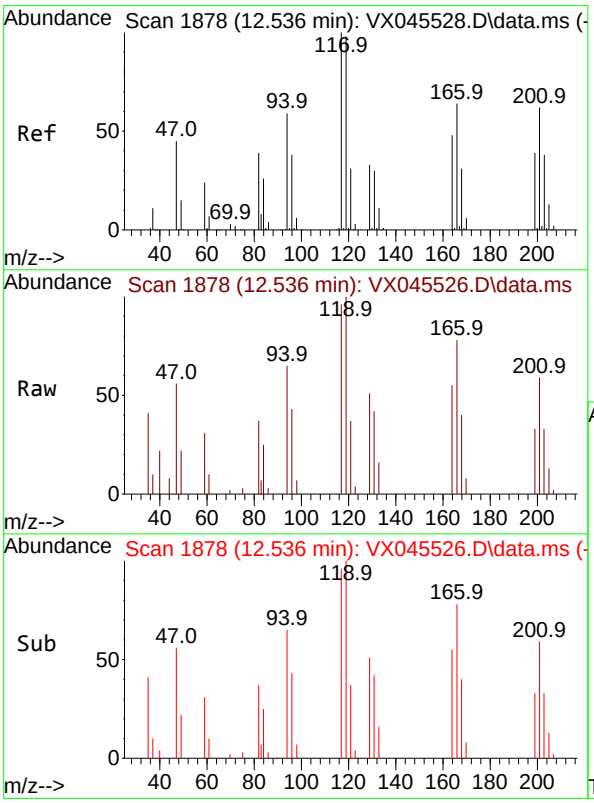
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

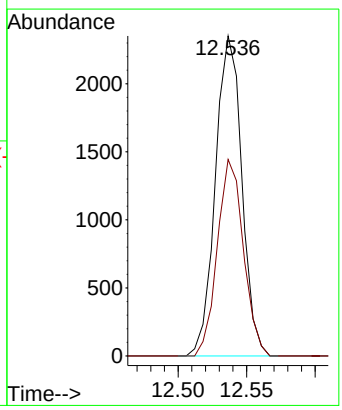
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

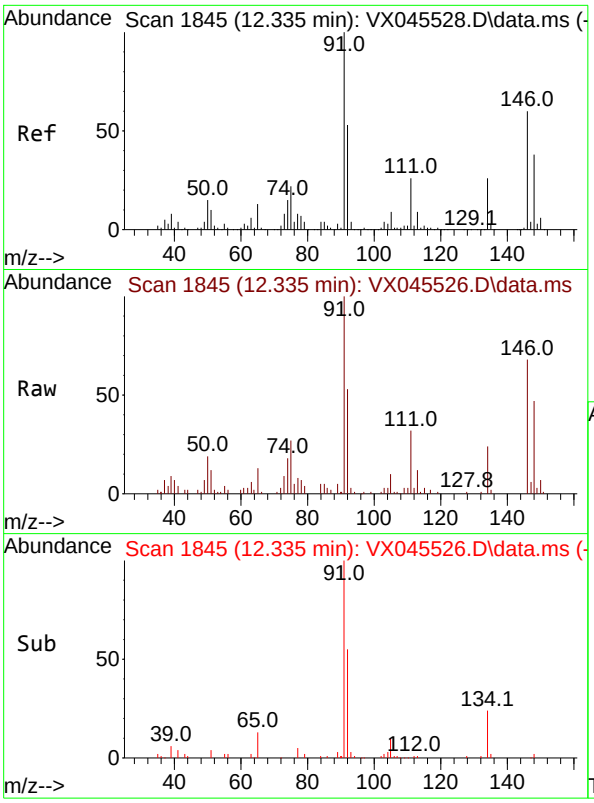


#90
Hexachloroethane
Concen: 4.320 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 3151

Ion	Ratio	Lower	Upper
117	100		
201	60.6	31.2	93.6

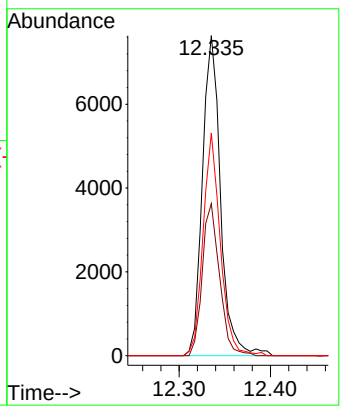




#91
1,2-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1051

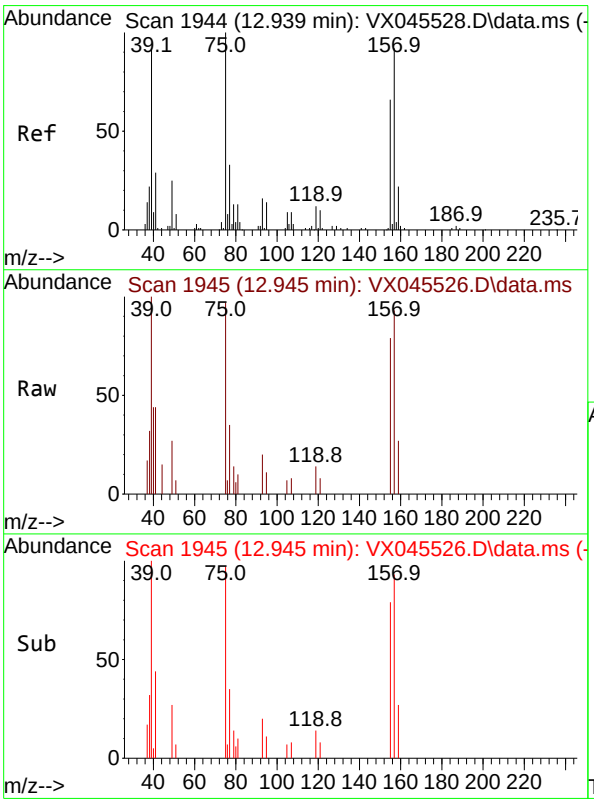
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	66.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

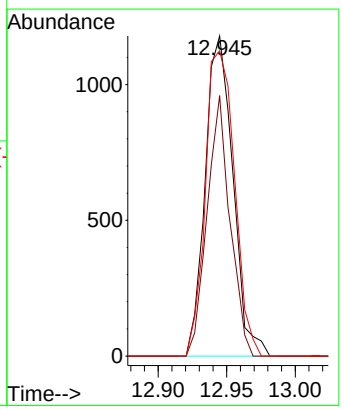
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

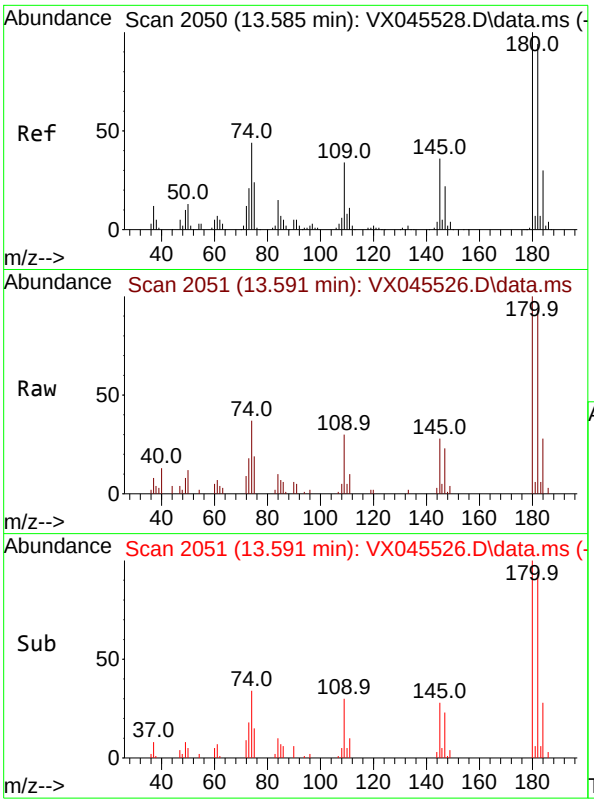


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.417 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 1661

Ion	Ratio	Lower	Upper
75	100		
155	67.3	34.9	104.7
157	100.4	44.9	134.7

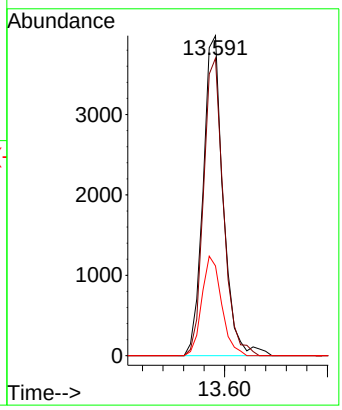




#93
1,2,4-Trichlorobenzene
Concen: 4.524 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 539

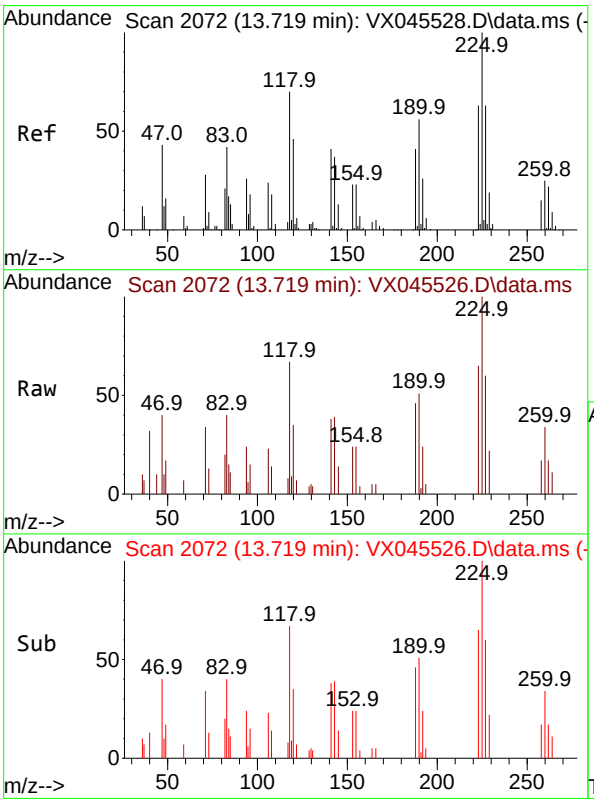
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.6
145	30.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

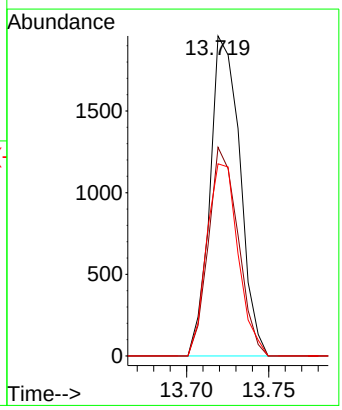
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

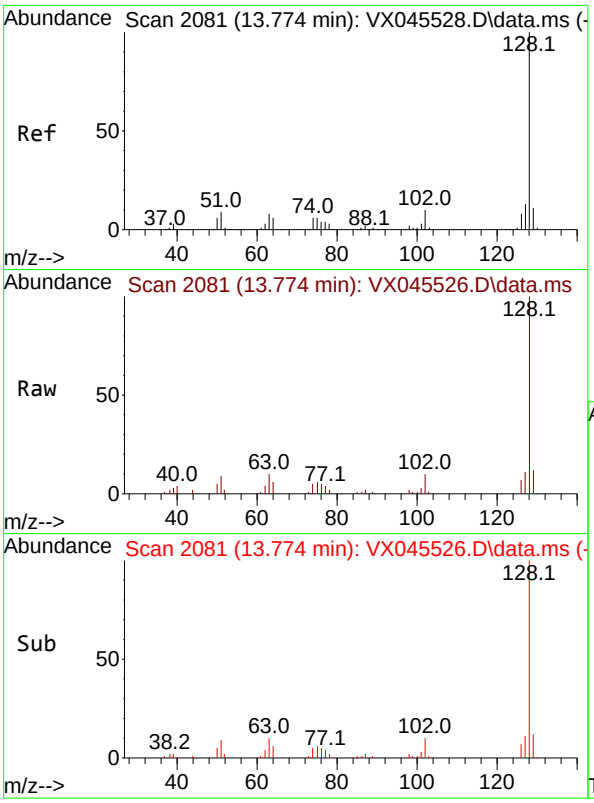


#94
Hexachlorobutadiene
Concen: 4.836 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:225 Resp: 2483

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.1	93.3
227	62.8	32.2	96.6

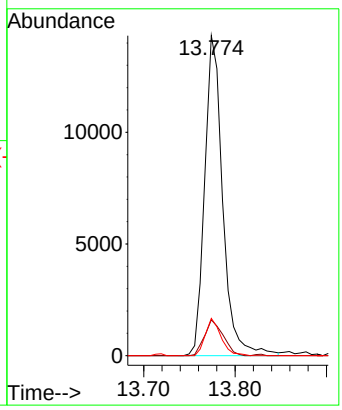




#95
Naphthalene
Concen: 4.424 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:128 Resp: 1961

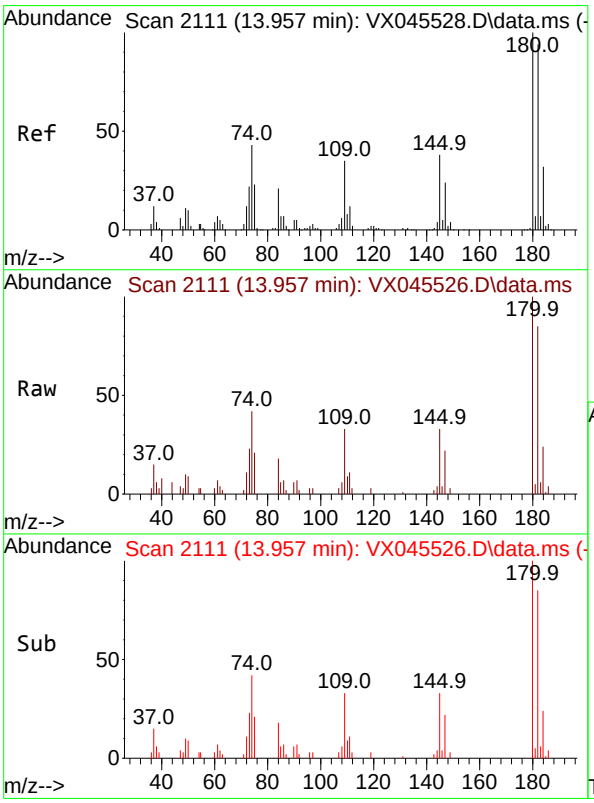
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

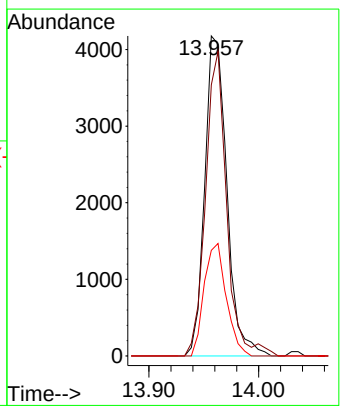
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.692 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 5854

Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.3	141.8
145	35.2	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	90228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	32500	19.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.400%#		
35) Dibromofluoromethane	5.385	113	21963	19.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.520%#		
50) Toluene-d8	8.647	98	79303	19.921	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.840%#		
62) 4-Bromofluorobenzene	11.079	95	28795	19.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25265	18.724	ug/l	97
3) Chloromethane	1.301	50	28034	20.223	ug/l	98
4) Vinyl Chloride	1.374	62	25285	19.931	ug/l	97
5) Bromomethane	1.593	94	11815	19.642	ug/l	99
6) Chloroethane	1.666	64	14071	20.905	ug/l	98
7) Trichlorofluoromethane	1.874	101	38815	20.518	ug/l	98
8) Diethyl Ether	2.136	74	12852	20.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	22917	20.673	ug/l	95
10) Methyl Iodide	2.441	142	28478	20.596	ug/l	99
11) Tert butyl alcohol	2.983	59	22453	101.253	ug/l	100
12) 1,1-Dichloroethene	2.306	96	22103	20.406	ug/l	96
13) Acrolein	2.239	56	28991	94.938	ug/l	99
14) Allyl chloride	2.660	41	41233	20.063	ug/l	99
15) Acrylonitrile	3.062	53	74487	106.412	ug/l	98
16) Acetone	2.386	43	69788	103.000	ug/l	99
17) Carbon Disulfide	2.502	76	51771	19.352	ug/l	98
18) Methyl Acetate	2.703	43	31190	19.994	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	78284	20.660	ug/l	96
20) Methylene Chloride	2.782	84	26212	20.664	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	22968	20.755	ug/l	92
22) Diisopropyl ether	3.757	45	84046	20.760	ug/l #	81
23) Vinyl Acetate	3.721	43	361881	103.458	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47560	20.772	ug/l	99
25) 2-Butanone	4.556	43	105062	105.931	ug/l	99
26) 2,2-Dichloropropane	4.471	77	28956	19.574	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27425	20.342	ug/l	98
28) Bromochloromethane	4.897	49	22285	20.141	ug/l	100
29) Tetrahydrofuran	5.007	42	66994	104.187	ug/l	99
30) Chloroform	5.093	83	48639	20.646	ug/l	100
31) Cyclohexane	5.458	56	41450	20.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	40407	20.270	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30504	19.808	ug/l	98
37) Ethyl Acetate	4.715	43	39163	20.180	ug/l	98
38) Carbon Tetrachloride	5.672	117	33533	20.148	ug/l	94
39) Methylcyclohexane	7.373	83	38303	20.291	ug/l	97
40) Benzene	6.031	78	97667	20.766	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21740	21.046	ug/l		97
42) 1,2-Dichloroethane	6.086	62	41733	21.484	ug/l		100
43) Isopropyl Acetate	6.342	43	61222	20.814	ug/l		99
44) Trichloroethene	7.123	130	22918	20.501	ug/l		97
45) 1,2-Dichloropropane	7.428	63	24926	21.241	ug/l		90
46) Dibromomethane	7.580	93	19104	21.207	ug/l		99
47) Bromodichloromethane	7.818	83	37036	20.587	ug/l		99
48) Methyl methacrylate	7.696	41	31247	20.575	ug/l		99
49) 1,4-Dioxane	7.659	88	12104	440.515	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	212645	109.055	ug/l		99
52) Toluene	8.714	92	60357	21.208	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29870	18.764	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	35099	20.762	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	24191	21.331	ug/l		96
56) Ethyl methacrylate	9.116	69	36155	20.600	ug/l		99
57) 1,3-Dichloropropane	9.305	76	41900	21.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	91923	103.534	ug/l		100
59) 2-Hexanone	9.427	43	156999	108.730	ug/l		99
60) Dibromochloromethane	9.519	129	25992	21.023	ug/l		98
61) 1,2-Dibromoethane	9.604	107	24456	21.303	ug/l		99
64) Tetrachloroethene	9.269	164	21379	21.015	ug/l		98
65) Chlorobenzene	10.079	112	64727	21.023	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21447	20.064	ug/l		98
67) Ethyl Benzene	10.189	91	115368	20.921	ug/l		99
68) m/p-Xylenes	10.299	106	84420	42.092	ug/l		99
69) o-Xylene	10.640	106	41803	21.158	ug/l		100
70) Styrene	10.653	104	69290	21.249	ug/l		99
71) Bromoform	10.799	173	15659	19.619	ug/l	#	99
73) Isopropylbenzene	10.957	105	110396	21.093	ug/l		100
74) N-amyl acetate	10.842	43	51238	20.466	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38177	20.764	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32690m	20.510	ug/l		
77) Bromobenzene	11.195	156	24902	20.592	ug/l		100
78) n-propylbenzene	11.299	91	130994	21.729	ug/l		98
79) 2-Chlorotoluene	11.360	91	81817	21.229	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	93328	21.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8435	17.961	ug/l		88
82) 4-Chlorotoluene	11.451	91	90704	21.108	ug/l		99
83) tert-Butylbenzene	11.713	119	89828	20.964	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	92242	21.235	ug/l		100
85) sec-Butylbenzene	11.890	105	112800	21.433	ug/l		100
86) p-Isopropyltoluene	12.006	119	91866	21.173	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	45105	20.490	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	46208	20.706	ug/l		99
89) n-Butylbenzene	12.329	91	77739	20.662	ug/l		100
90) Hexachloroethane	12.536	117	14544	19.505	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	45732	20.896	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8153	21.203	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	24787	20.347	ug/l		98
94) Hexachlorobutadiene	13.725	225	10488	19.979	ug/l		97
95) Naphthalene	13.774	128	94875	20.928	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	26113	20.471	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

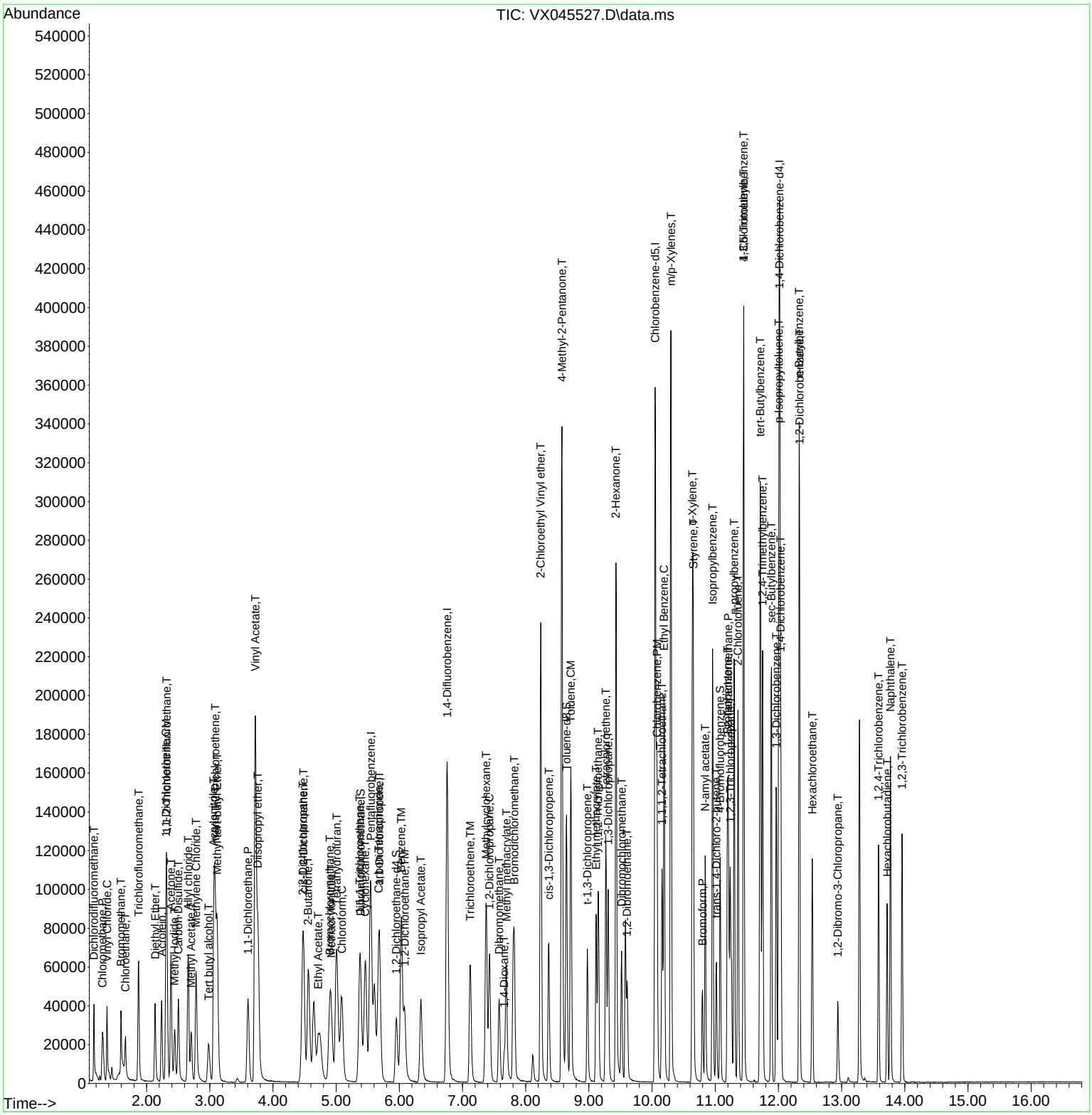
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

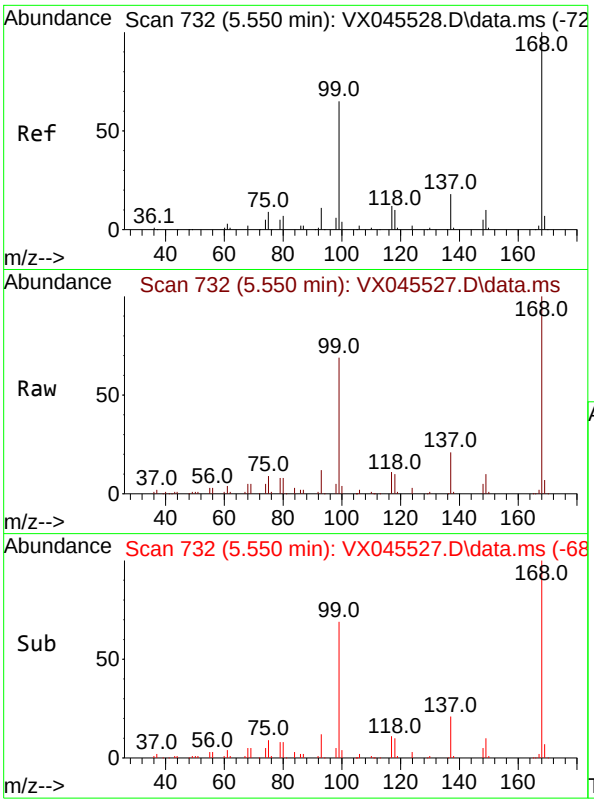
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

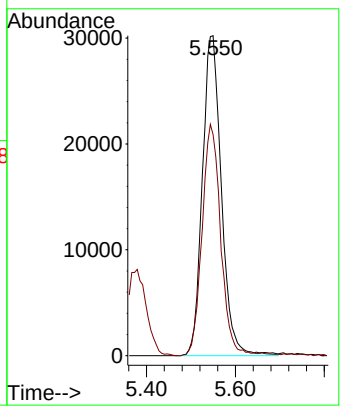




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:168 Resp: 9022

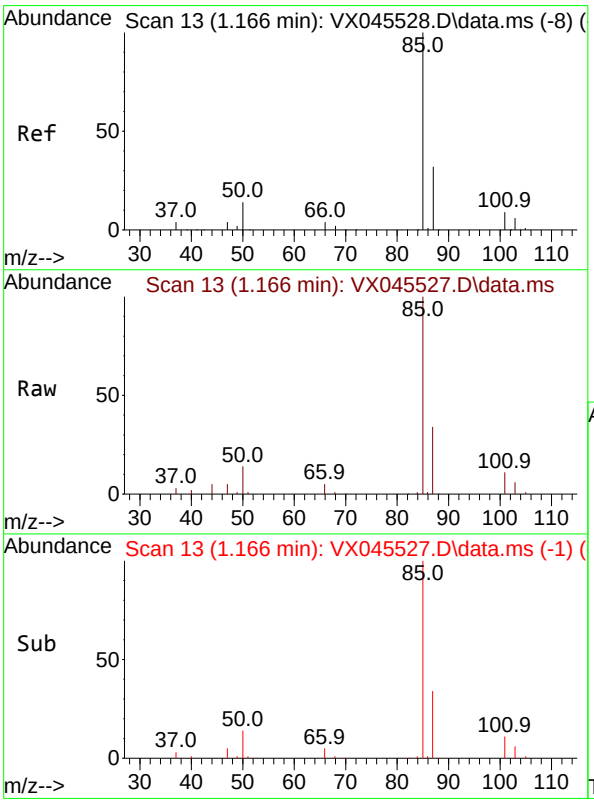
Ion	Ratio	Lower	Upper
168	100		
99	69.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

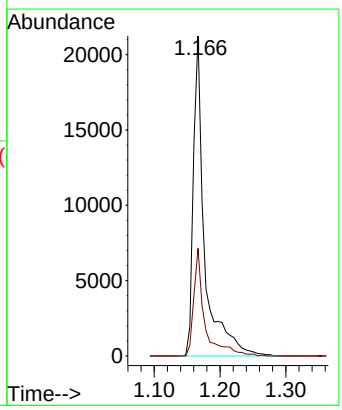
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

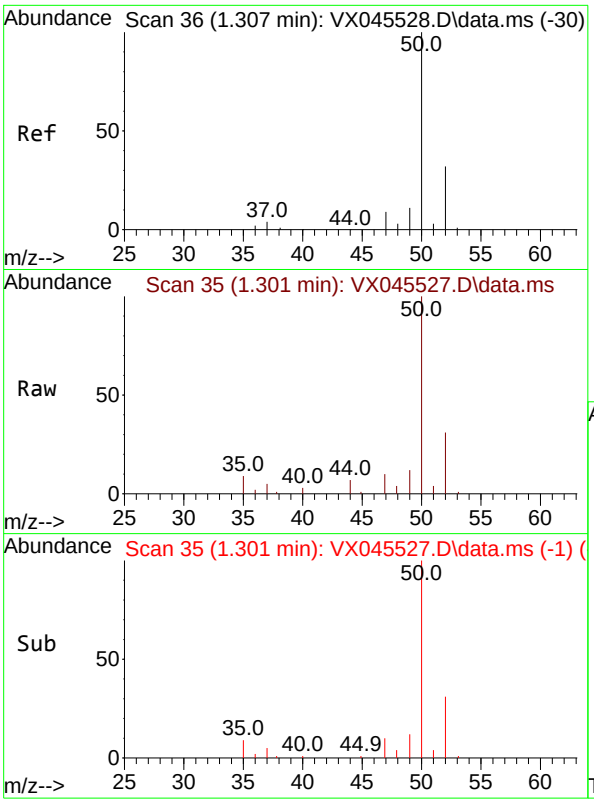


#2
Dichlorodifluoromethane
Concen: 18.724 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 85 Resp: 25265

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.1	48.2

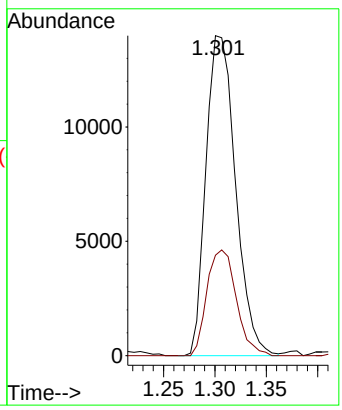




#3
Chloromethane
Concen: 20.223 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 50 Resp: 2803

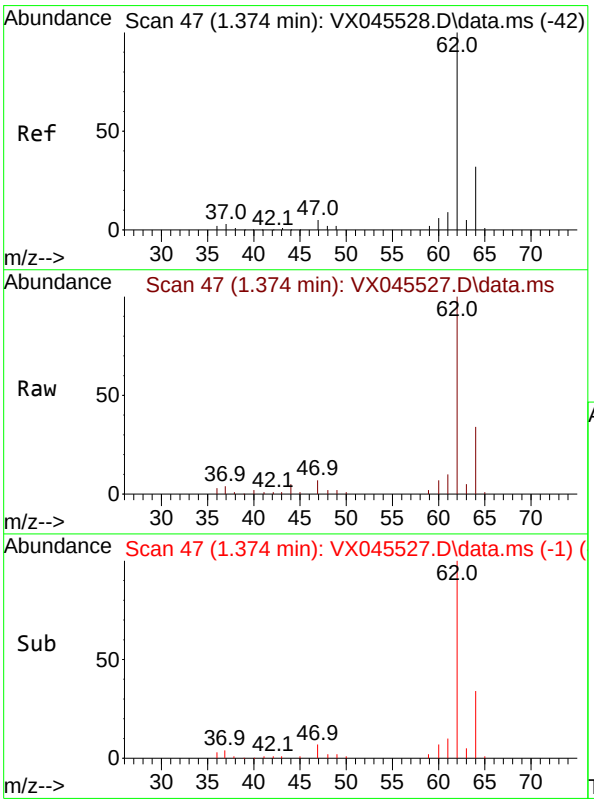
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

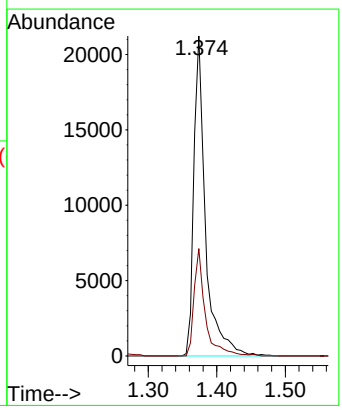
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

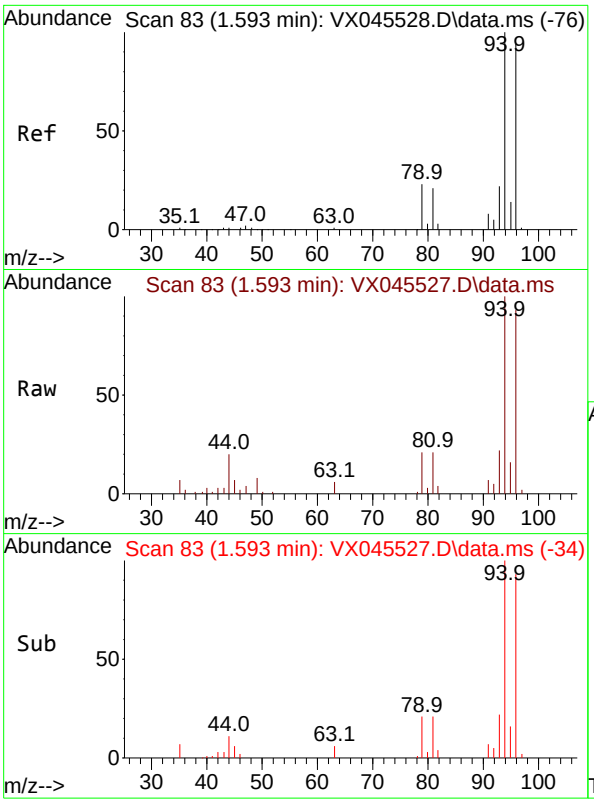


#4
Vinyl Chloride
Concen: 19.931 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 25285

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3





#5
Bromomethane
Concen: 19.642 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

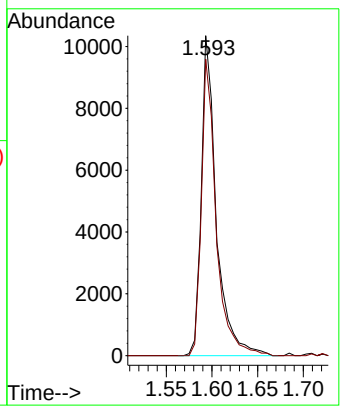
Tgt Ion: 94 Resp: 1181

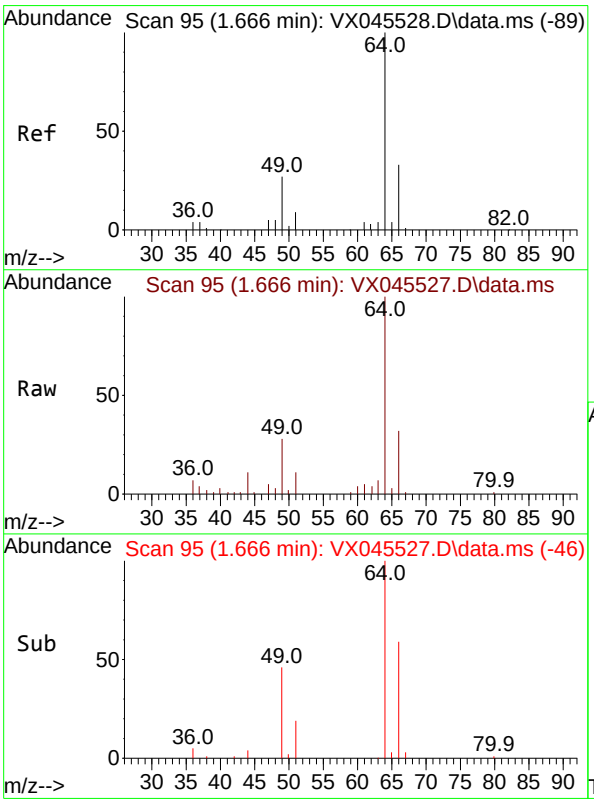
Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.8	112.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

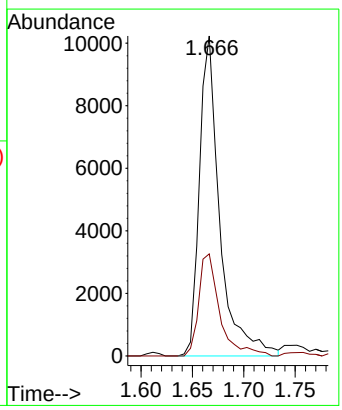


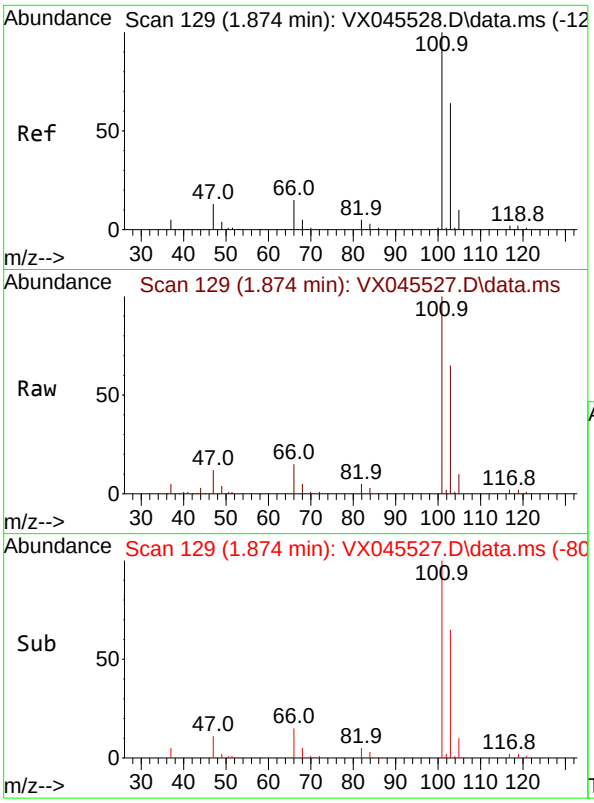


#6
Chloroethane
Concen: 20.905 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 64 Resp: 14071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.3	39.5

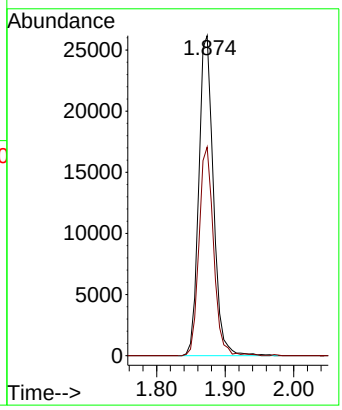




#7
Trichlorofluoromethane
Concen: 20.518 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 3881

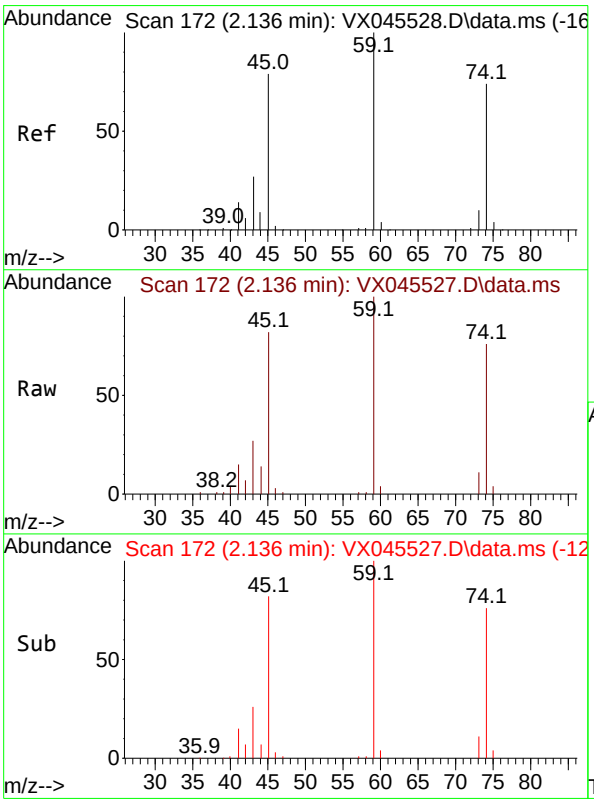
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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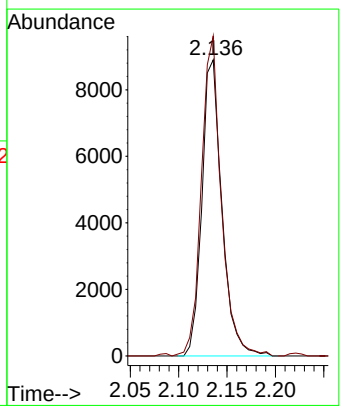
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

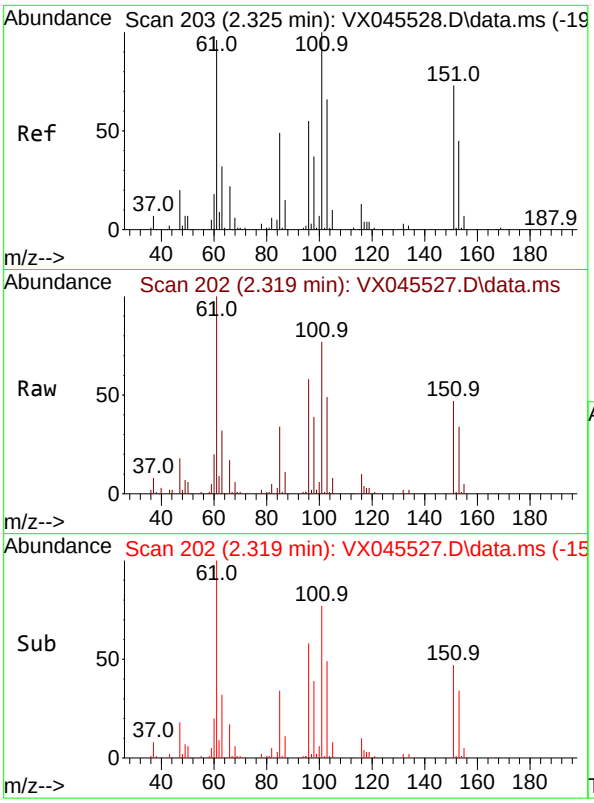


#8
Diethyl Ether
Concen: 20.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 74 Resp: 12852

Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.0	159.1

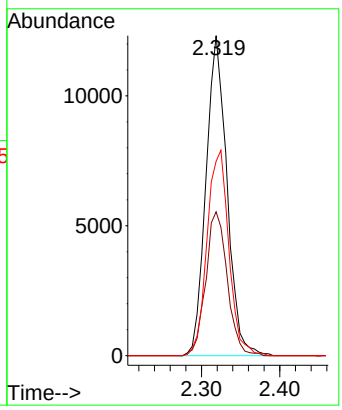




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.673 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 2291

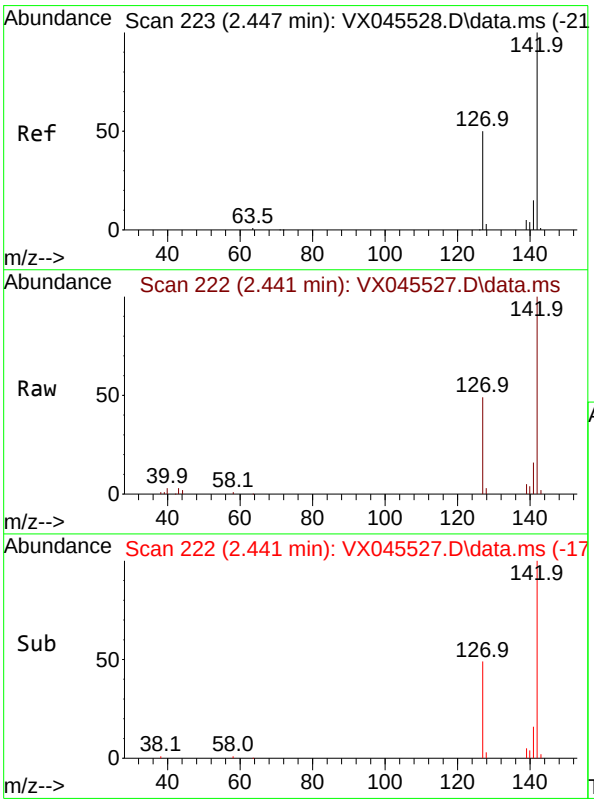
Ion	Ratio	Lower	Upper
101	100		
85	46.2	38.9	58.3
151	66.8	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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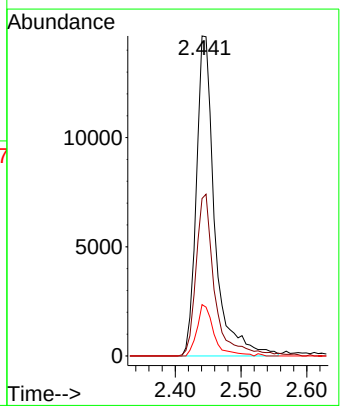
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

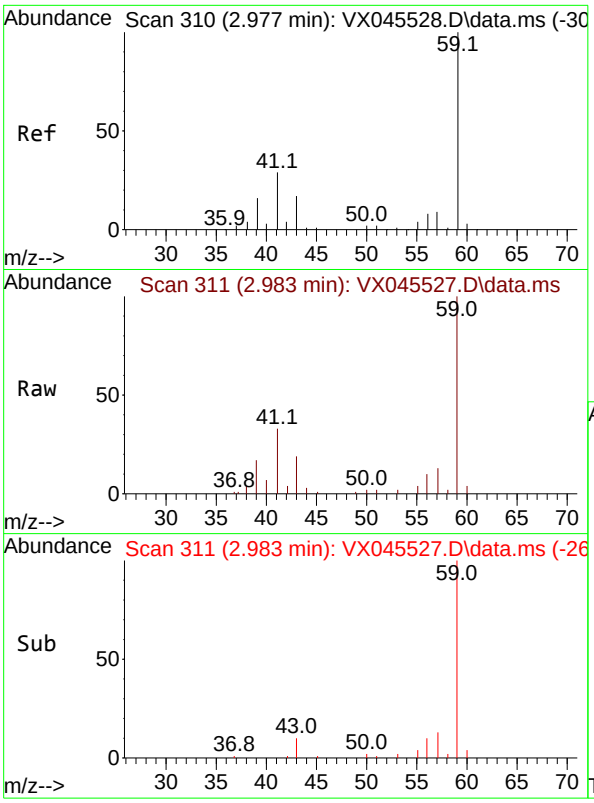


#10
Methyl Iodide
Concen: 20.596 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:142 Resp: 28478

Ion	Ratio	Lower	Upper
142	100		
127	51.5	40.2	60.4
141	14.8	11.7	17.5

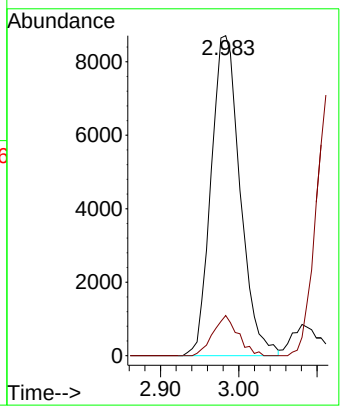




#11
Tert butyl alcohol
Concen: 101.253 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 59 Resp: 2245

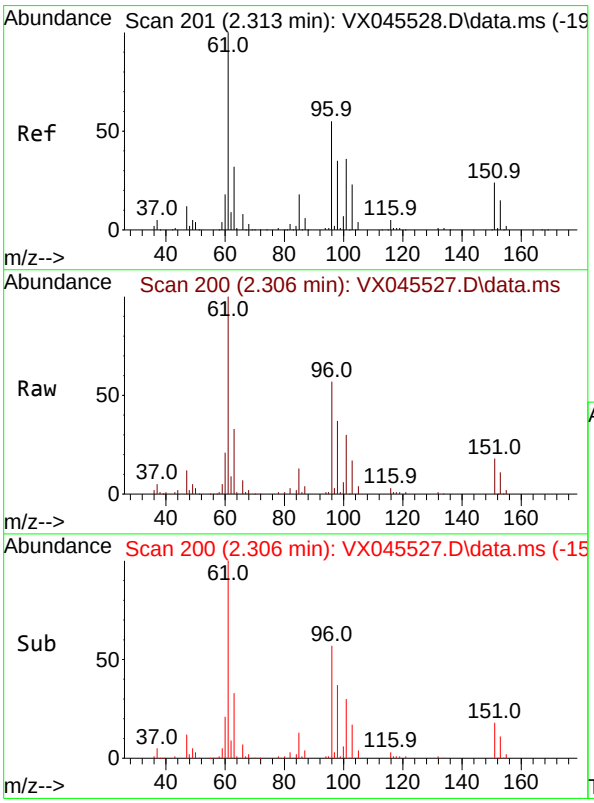
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

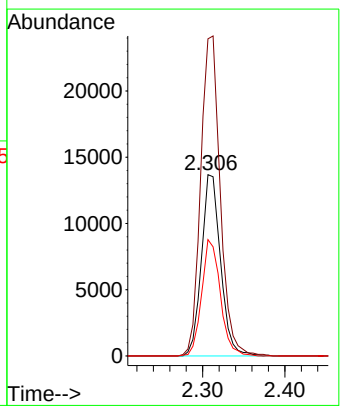
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

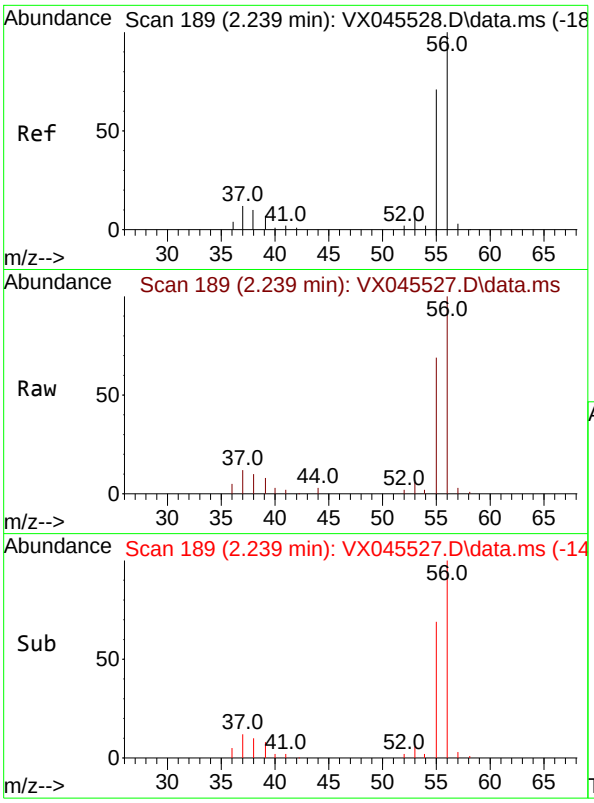


#12
1,1-Dichloroethene
Concen: 20.406 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 22103

Ion	Ratio	Lower	Upper
96	100		
61	175.0	145.7	218.5
98	64.2	51.6	77.4

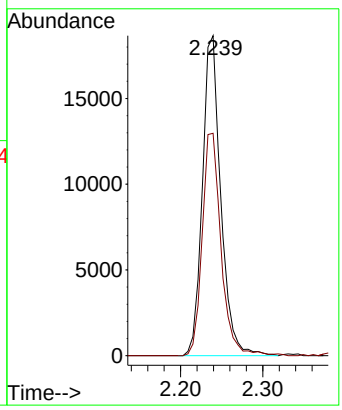




#13
Acrolein
Concen: 94.938 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 2899

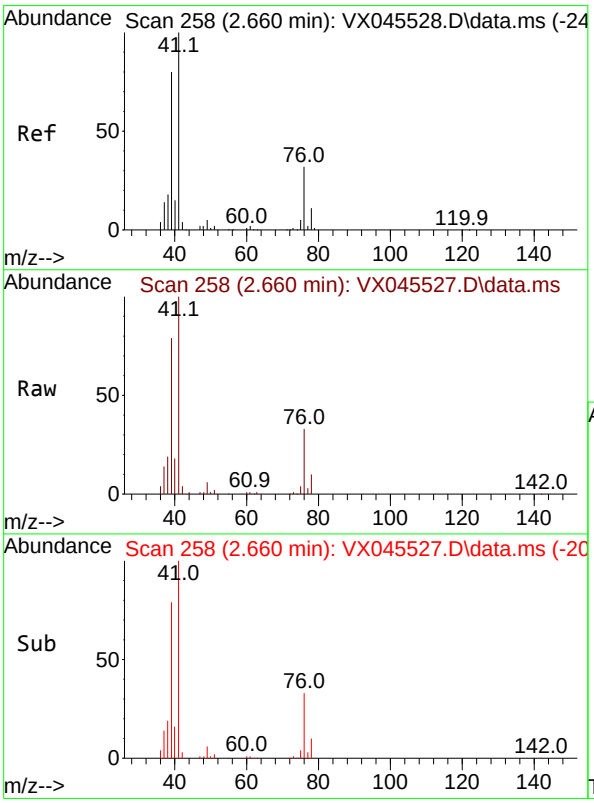
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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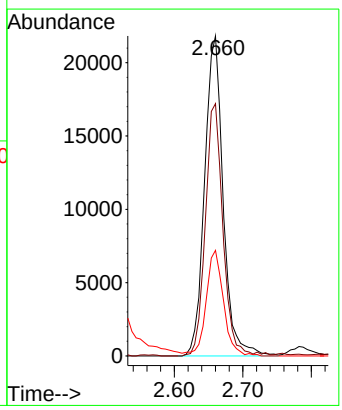
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

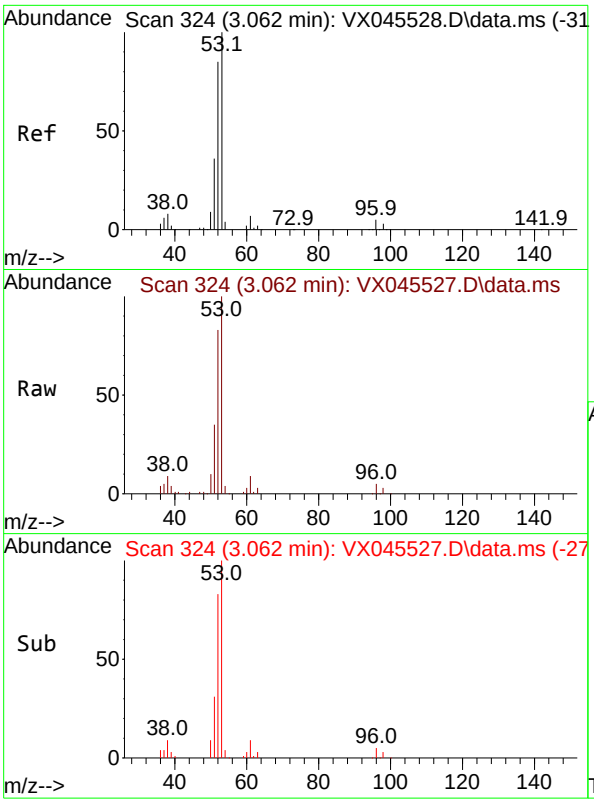


#14
Allyl chloride
Concen: 20.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 41233

Ion	Ratio	Lower	Upper
41	100		
39	74.2	60.2	90.2
76	31.0	24.6	36.8





#15
Acrylonitrile
Concen: 106.412 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

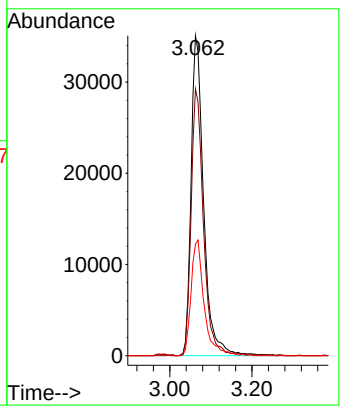
Tgt Ion: 53 Resp: 7448

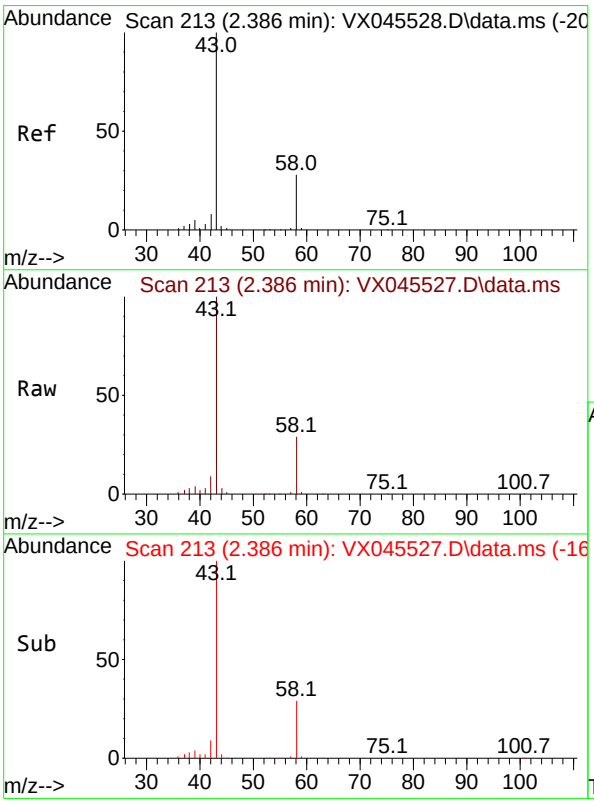
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	37.6	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

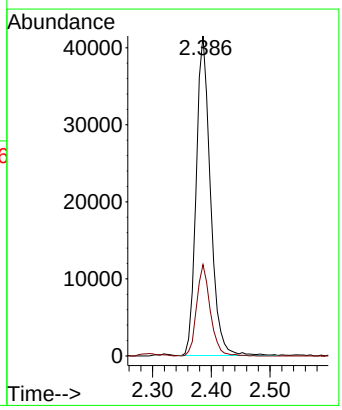


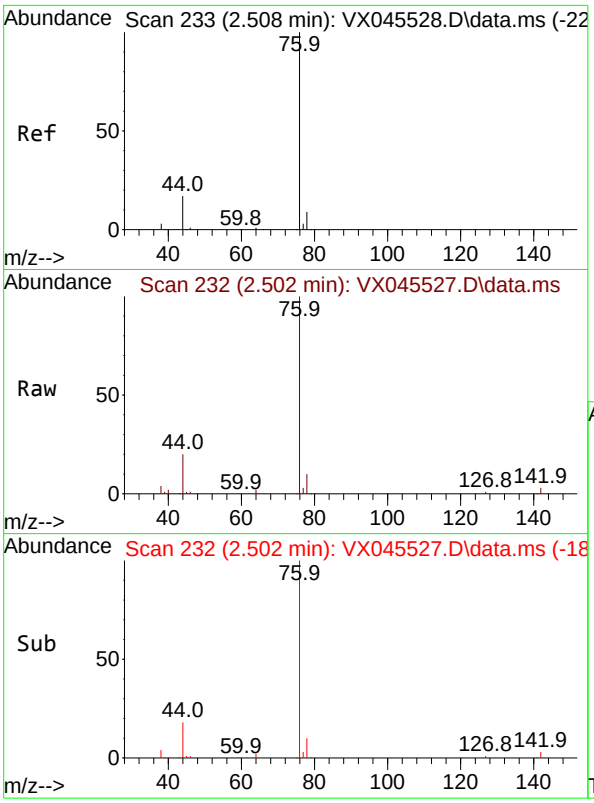


#16
Acetone
Concen: 103.000 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 69788

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5





#17
Carbon Disulfide
Concen: 19.352 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

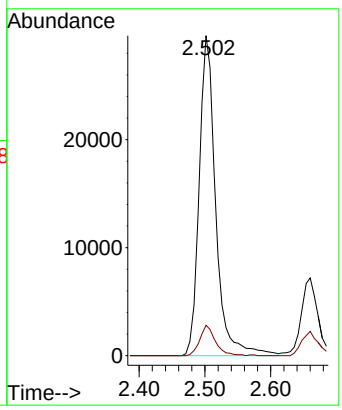
Tgt Ion: 76 Resp: 5177

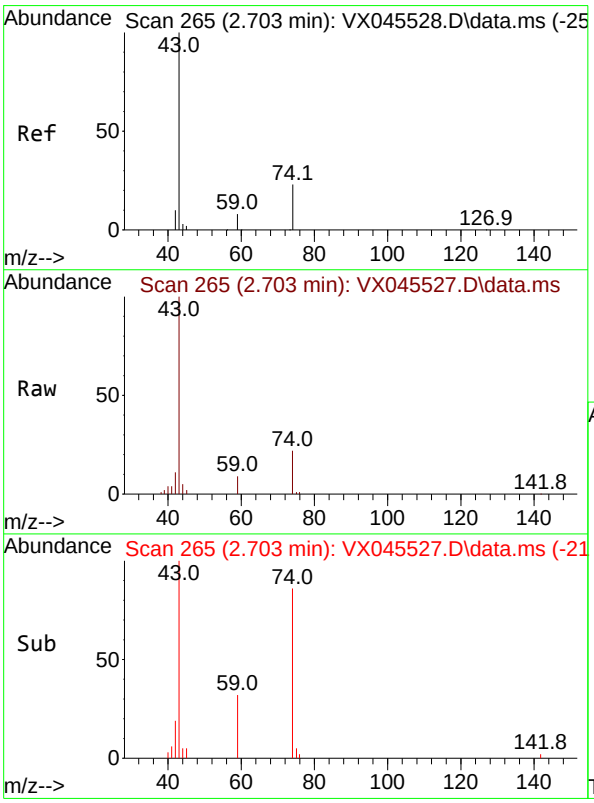
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

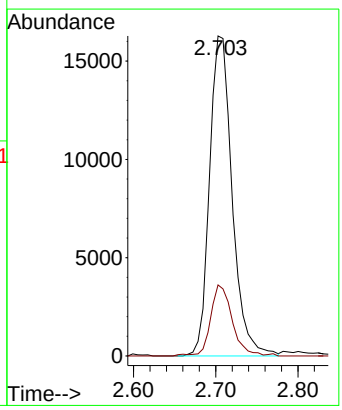


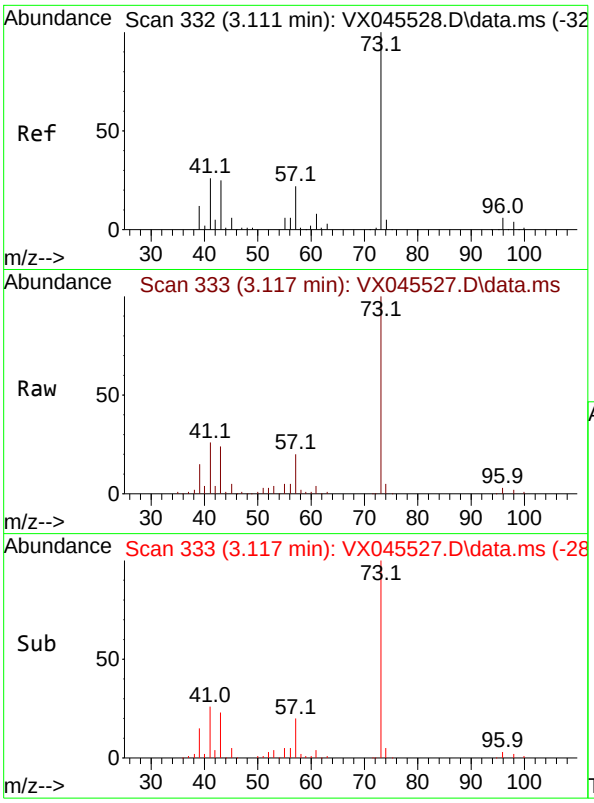


#18
Methyl Acetate
Concen: 19.994 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 31190

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3

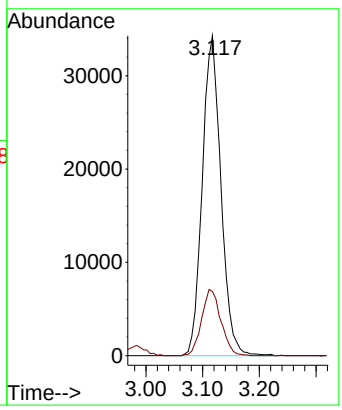




#19
Methyl tert-butyl Ether
Concen: 20.660 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 73 Resp: 7828

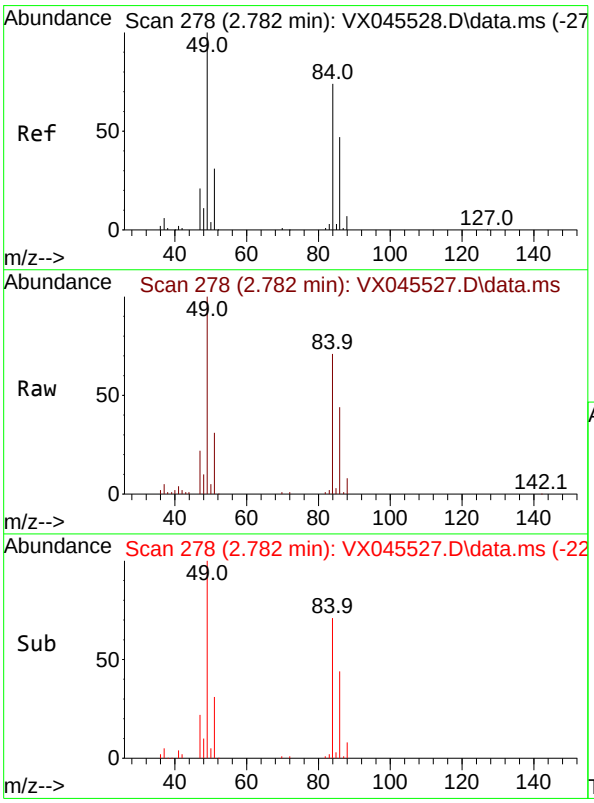
Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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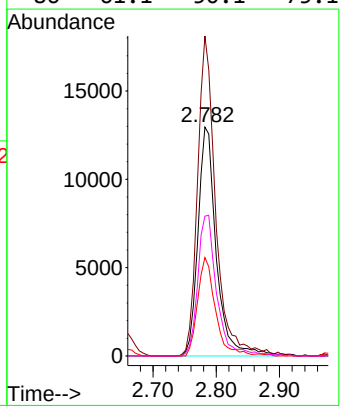
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

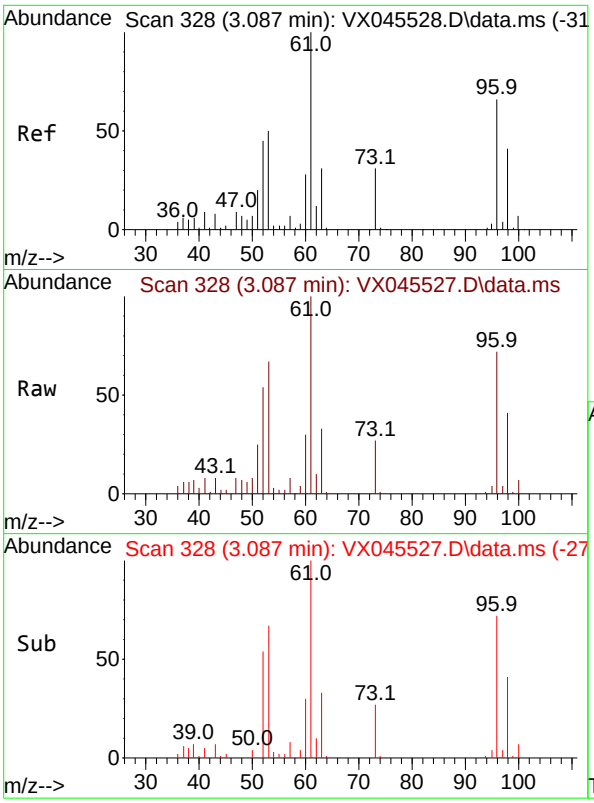


#20
Methylene Chloride
Concen: 20.664 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 84 Resp: 26212

Ion	Ratio	Lower	Upper
84	100		
49	139.9	107.5	161.3
51	43.0	33.0	49.6
86	61.1	50.1	75.1

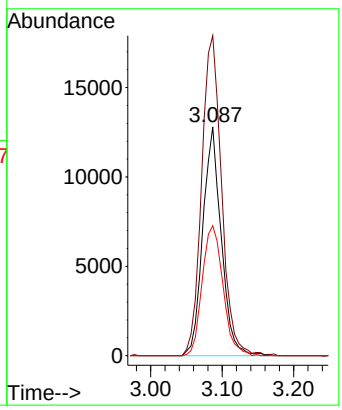




#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2296

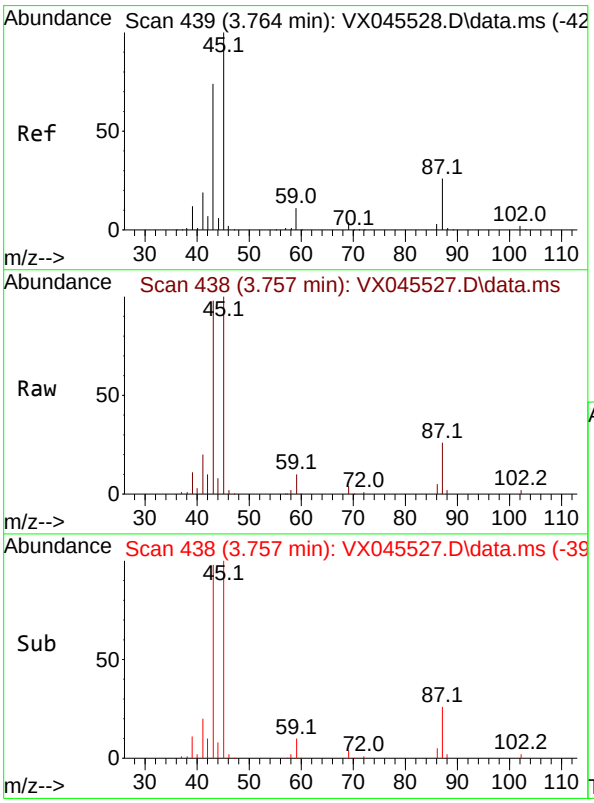
Ion	Ratio	Lower	Upper
96	100		
61	139.8	121.0	181.6
98	56.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

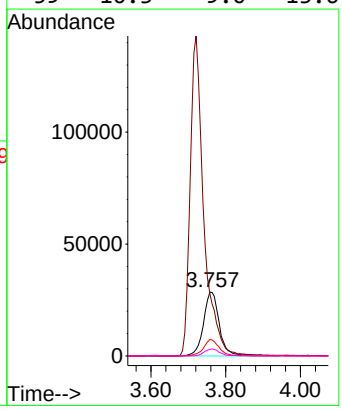
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

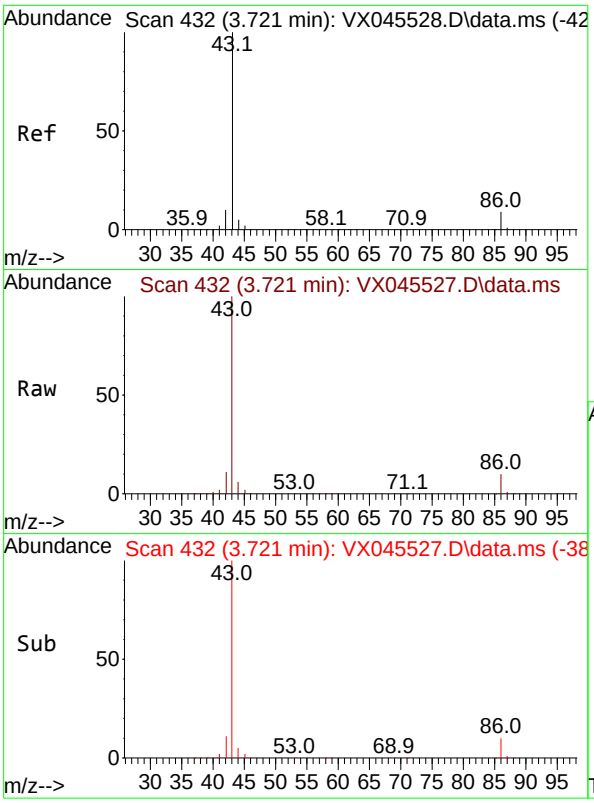


#22
Diisopropyl ether
Concen: 20.760 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 45 Resp: 84046

Ion	Ratio	Lower	Upper
45	100		
43	98.0	59.3	88.9#
87	25.9	20.4	30.6
59	10.3	9.0	13.6





#23
Vinyl Acetate
Concen: 103.458 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

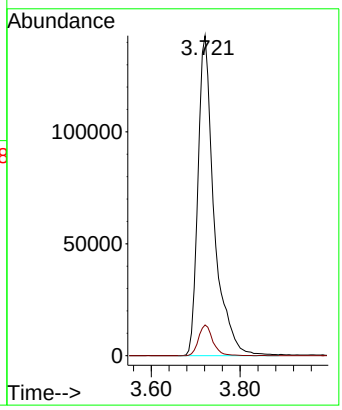
Tgt Ion: 43 Resp: 36188

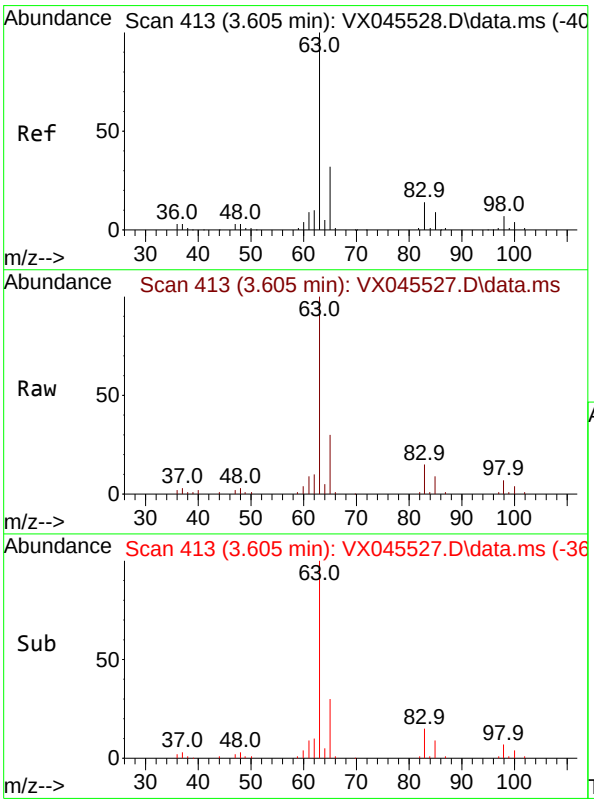
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

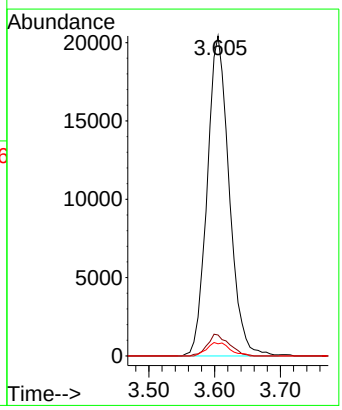


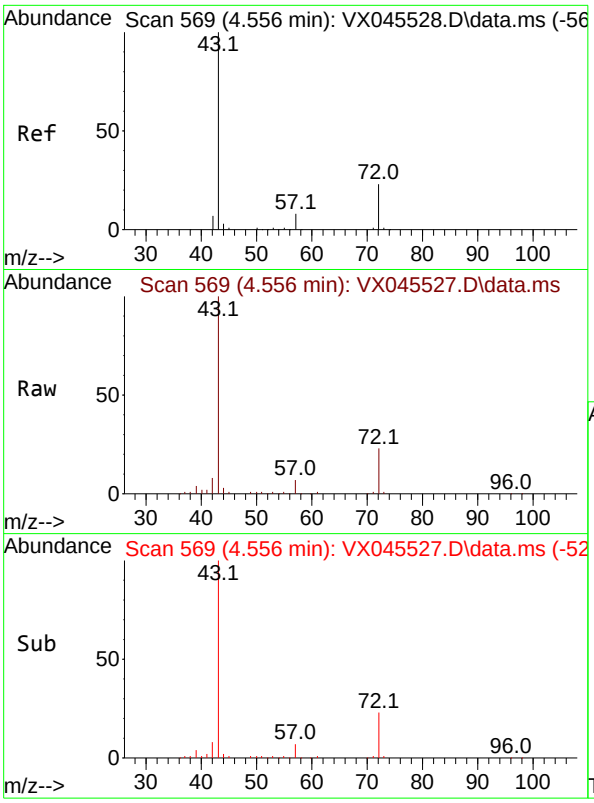


#24
1,1-Dichloroethane
Concen: 20.772 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 47560

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.8	2.2	6.6

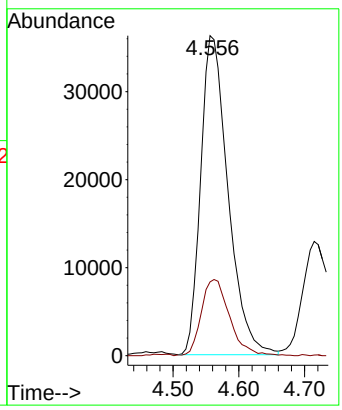




#25
2-Butanone
Concen: 105.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 10506

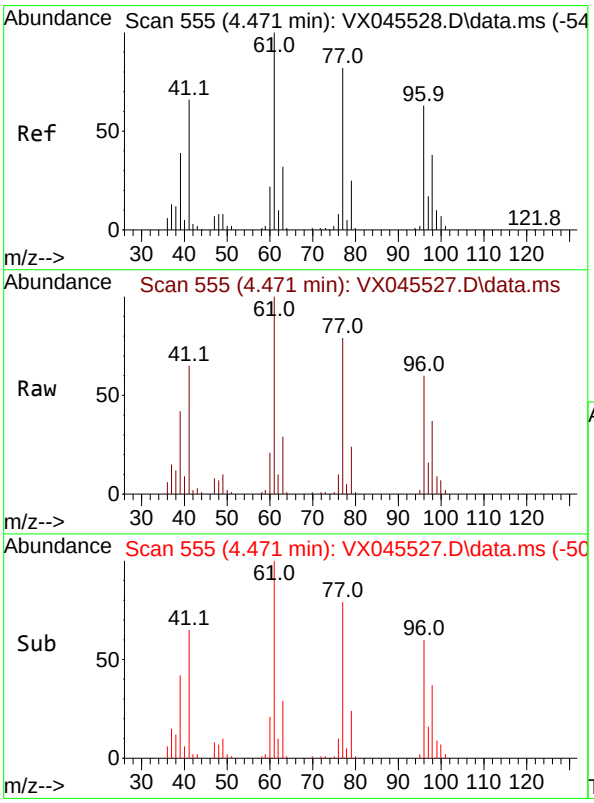
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

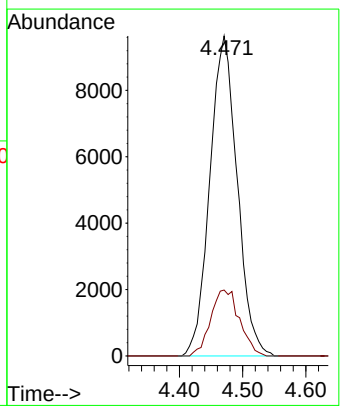
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

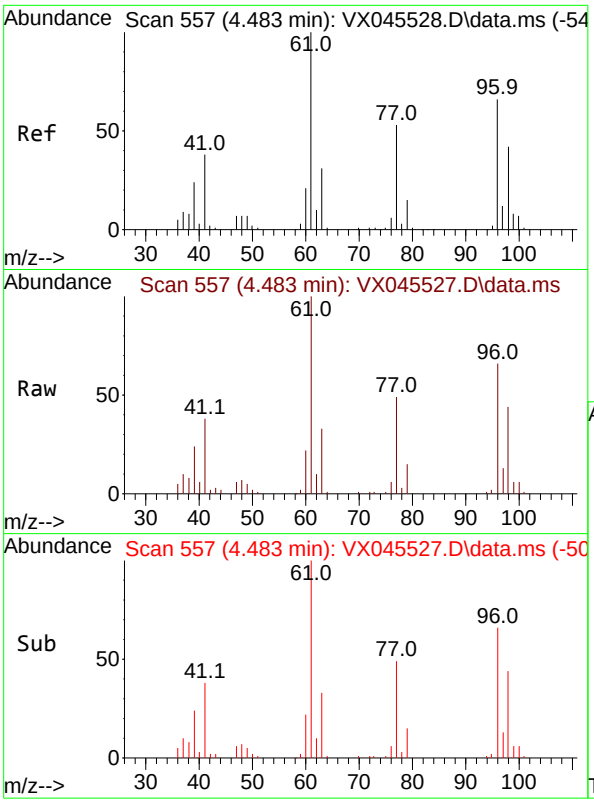


#26
2,2-Dichloropropane
Concen: 19.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 77 Resp: 28956

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

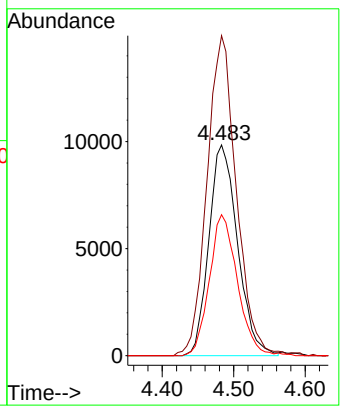




#27
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2742

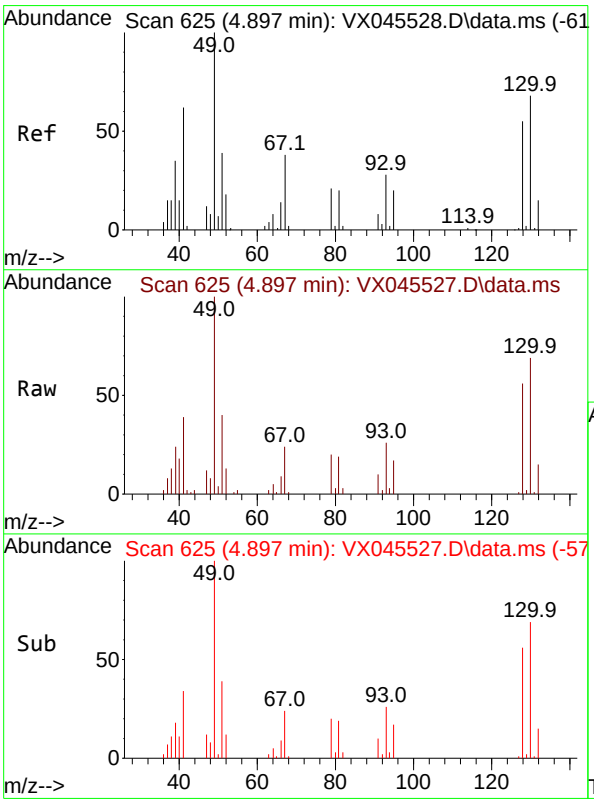
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	313.2
98	65.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

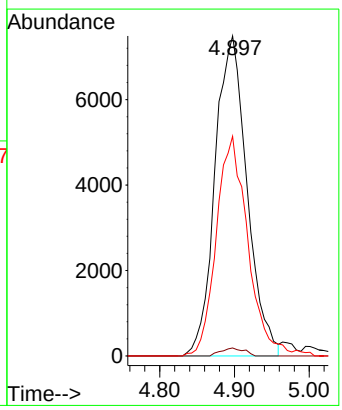
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

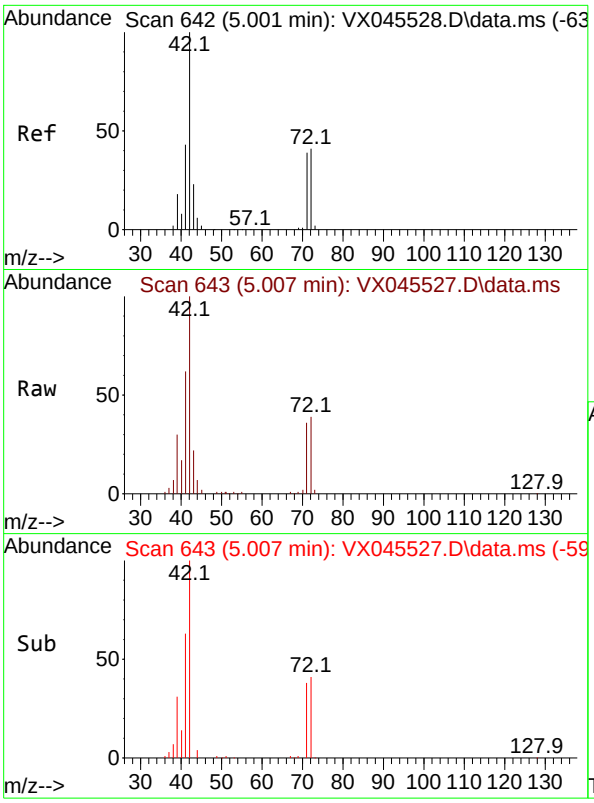


#28
Bromochloromethane
Concen: 20.141 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 49 Resp: 22285

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.0	54.6	81.8

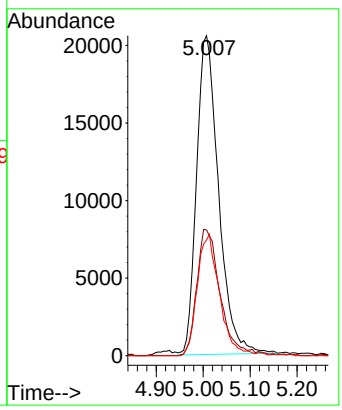




#29
Tetrahydrofuran
Concen: 104.187 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 42 Resp: 6699

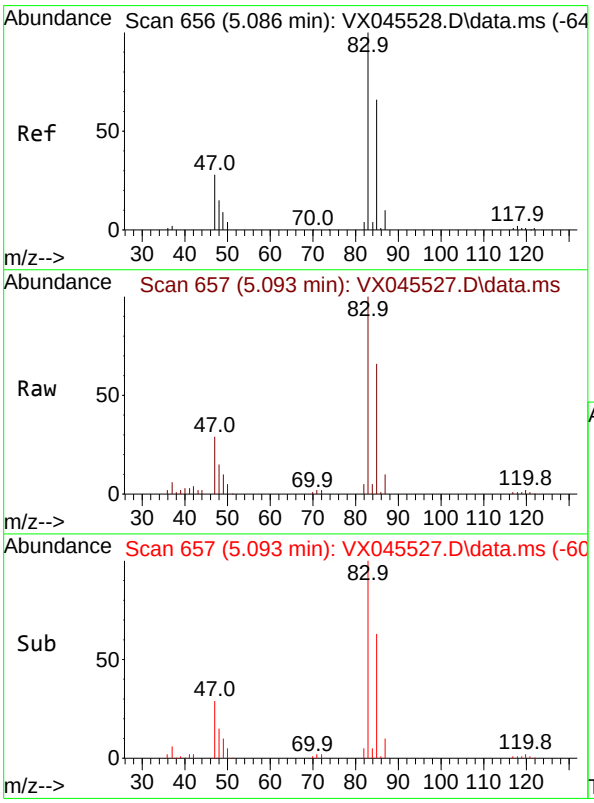
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	38.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

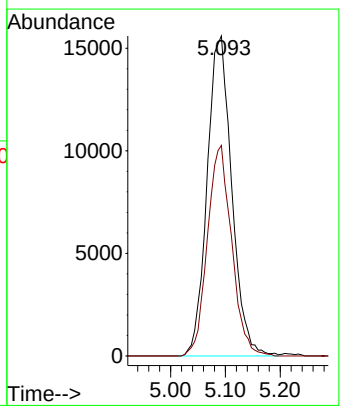
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

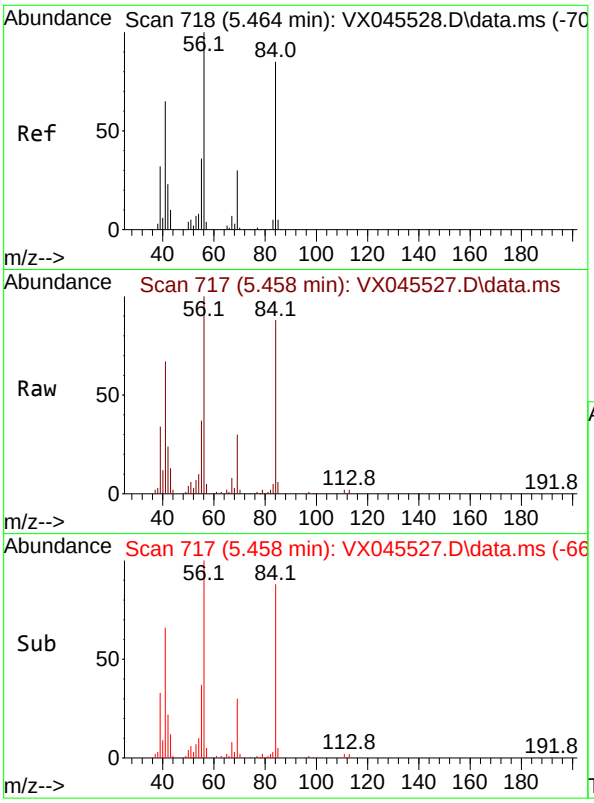


#30
Chloroform
Concen: 20.646 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 48639

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2

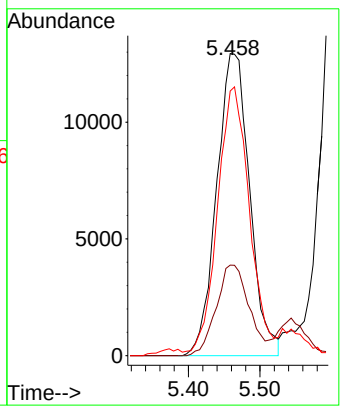




#31
Cyclohexane
Concen: 20.478 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 4145

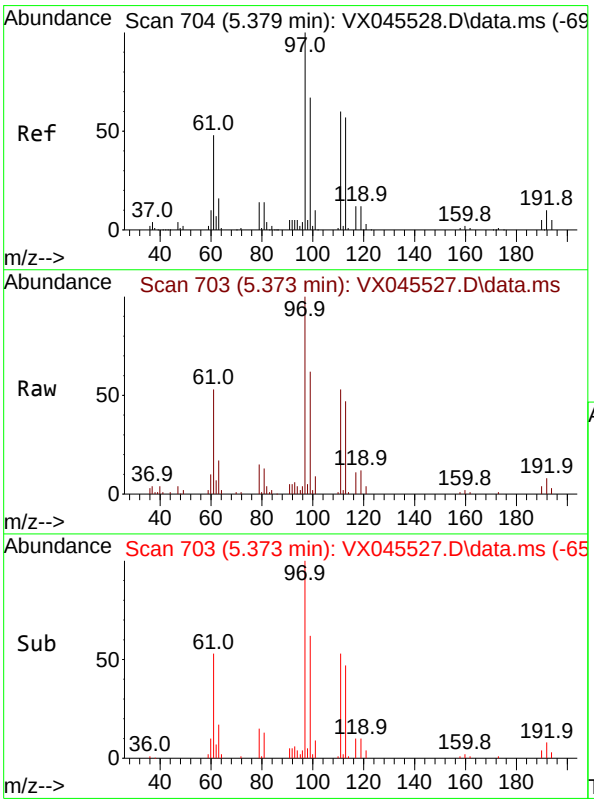
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.6	35.4
84	85.5	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

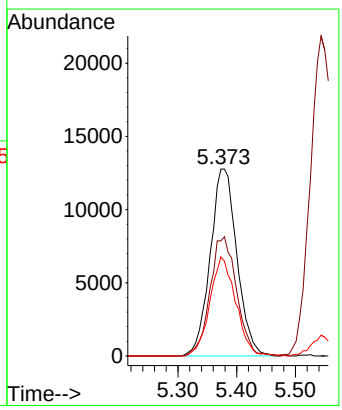
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

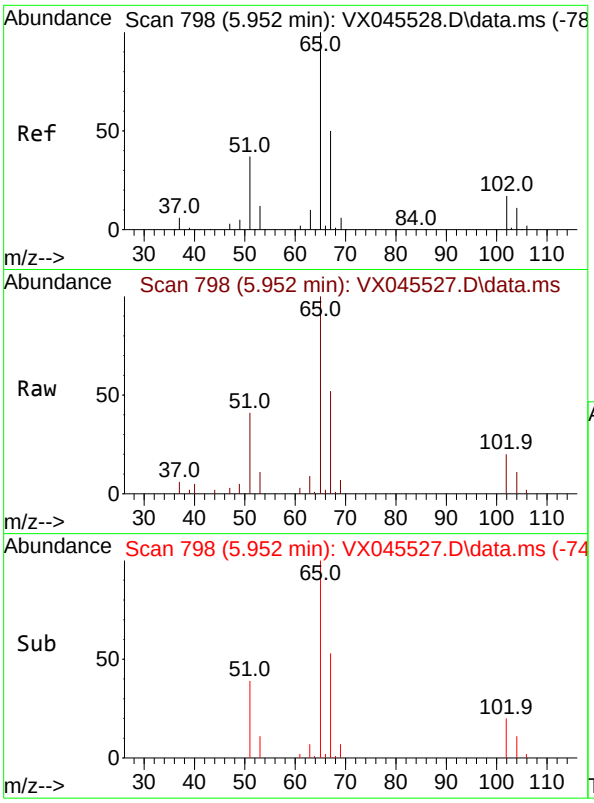


#32
1,1,1-Trichloroethane
Concen: 20.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 40407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	51.3	41.0	61.4

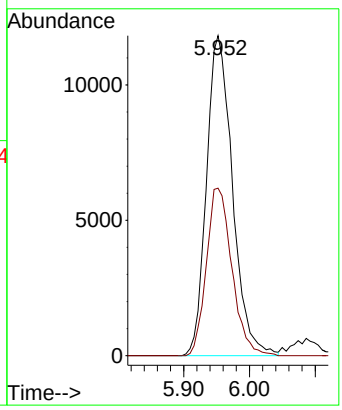




#33
1,2-Dichloroethane-d4
Concen: 19.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 65 Resp: 3250

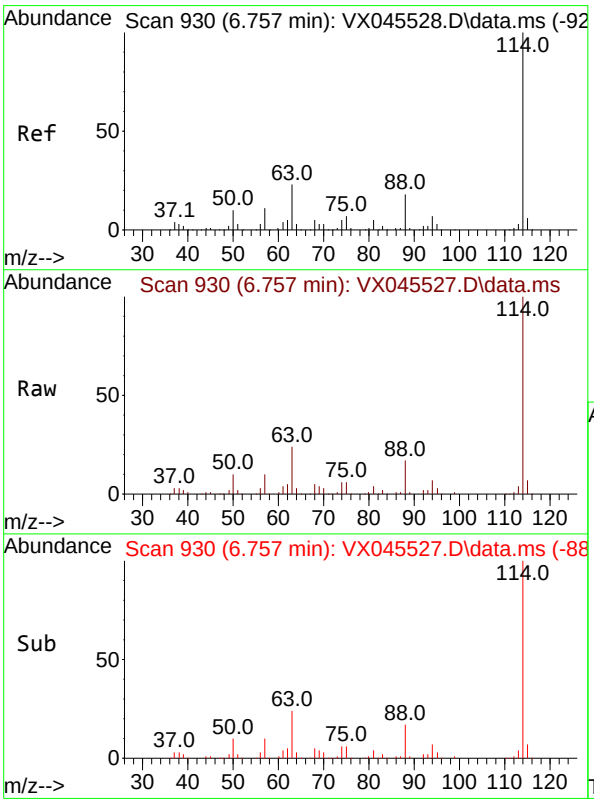
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

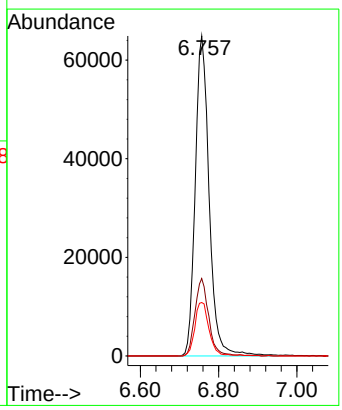
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

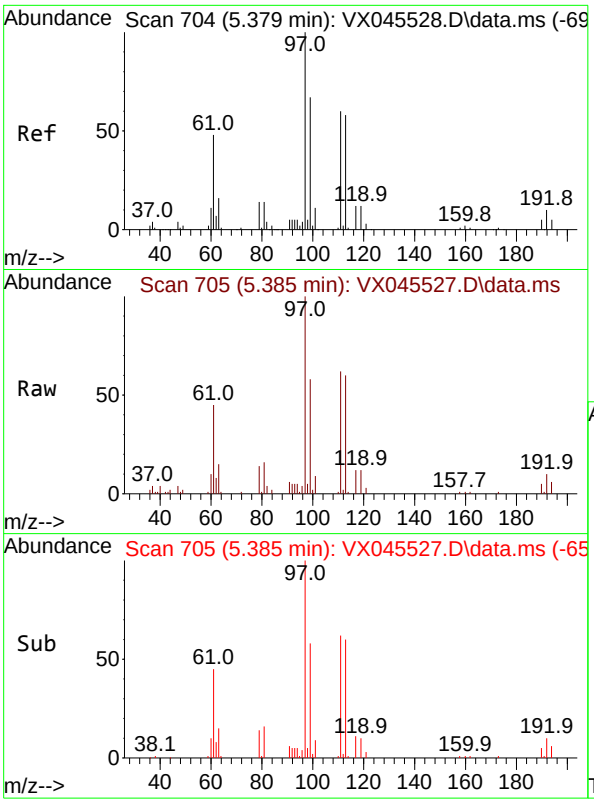


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:114 Resp: 160754

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.8
88	16.7	0.0	35.4

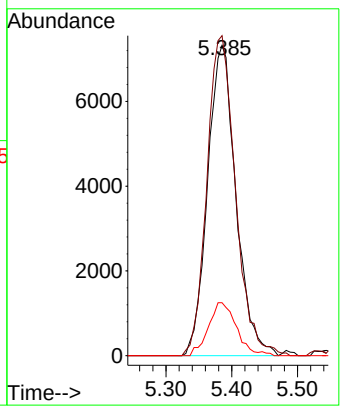




#35
Dibromofluoromethane
Concen: 19.256 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:113 Resp: 2196

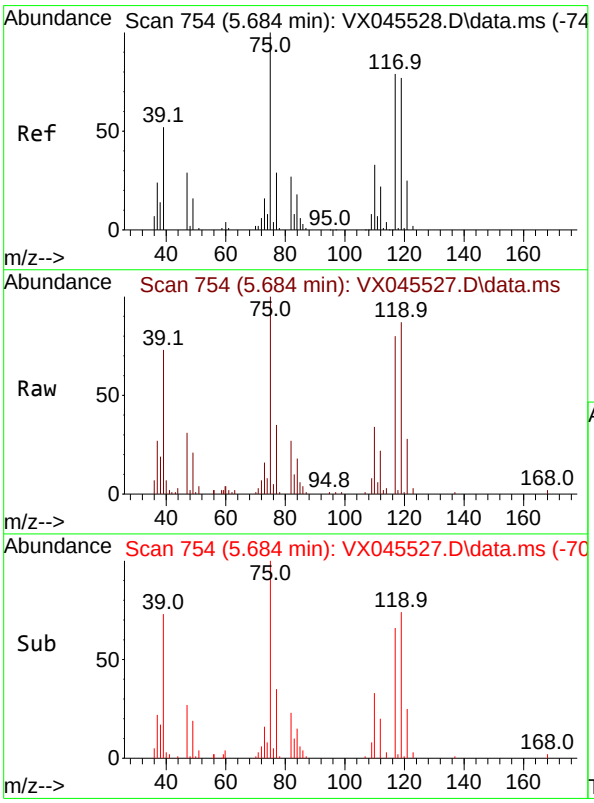
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.0	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

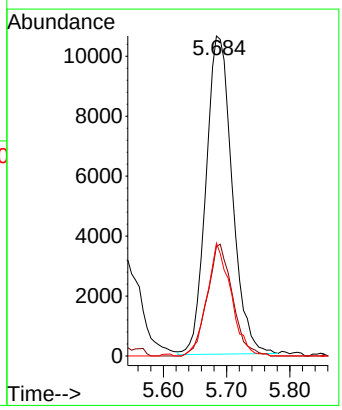
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

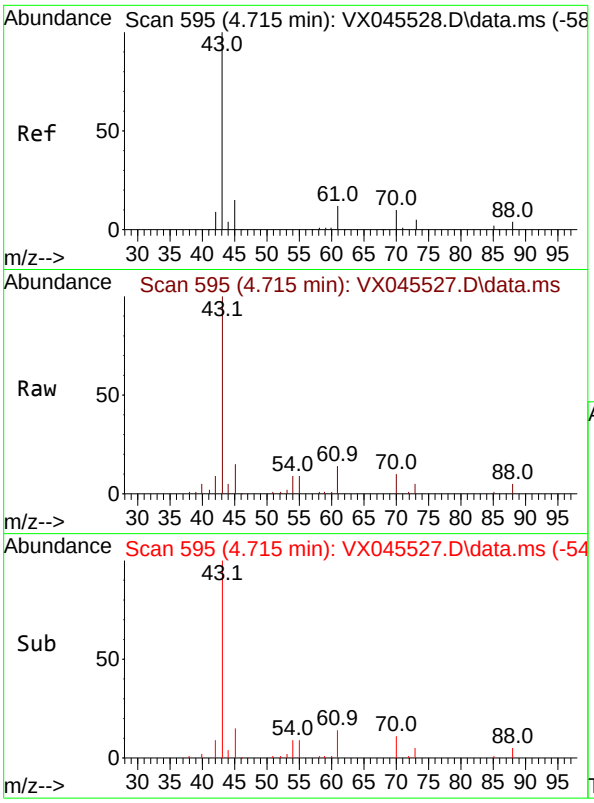


#36
1,1-Dichloropropene
Concen: 19.808 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 30504

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	32.7	25.0	37.4





#37
Ethyl Acetate
Concen: 20.180 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

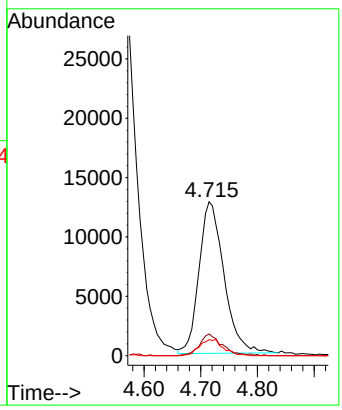
Tgt Ion: 43 Resp: 3916

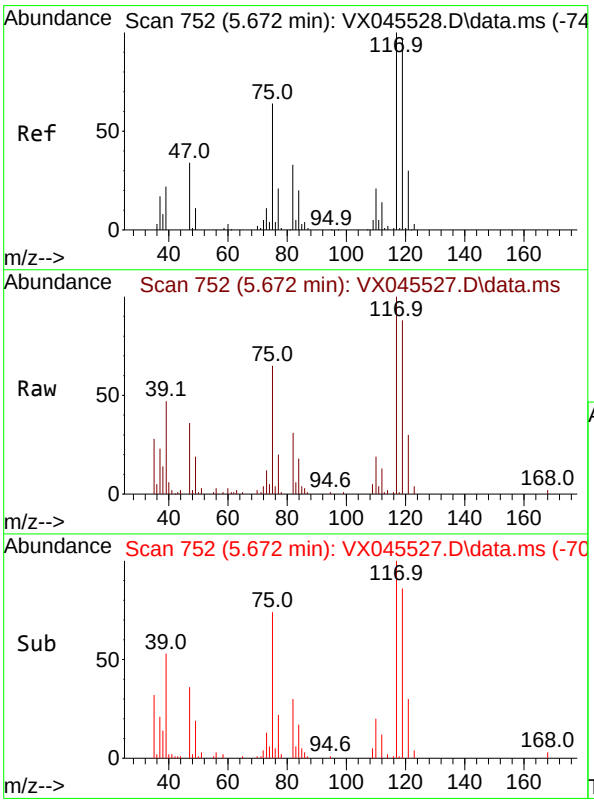
Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	10.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

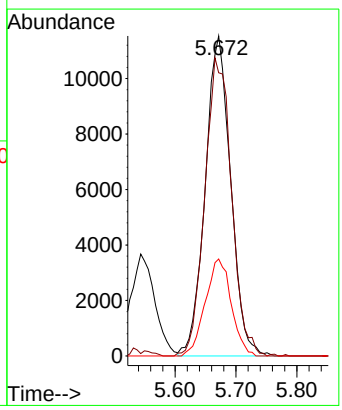


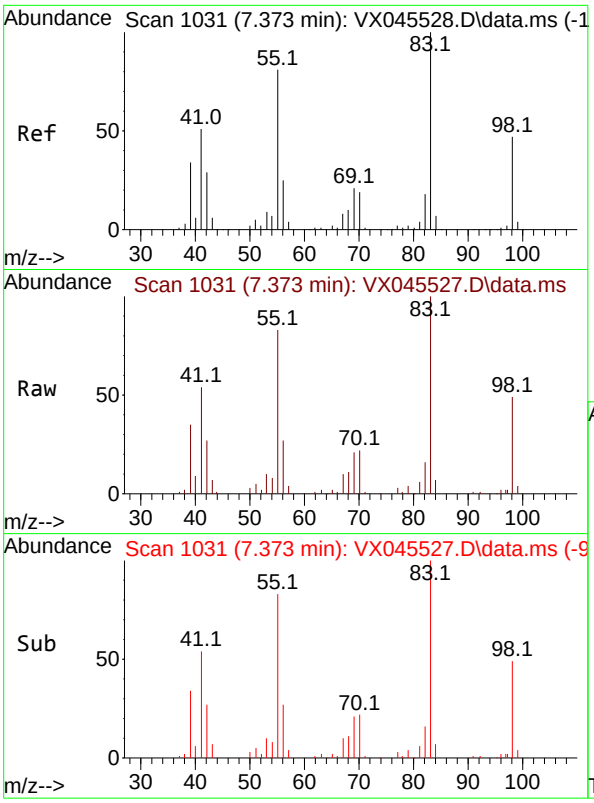


#38
Carbon Tetrachloride
Concen: 20.148 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 33533

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.9	115.3
121	30.3	24.2	36.2

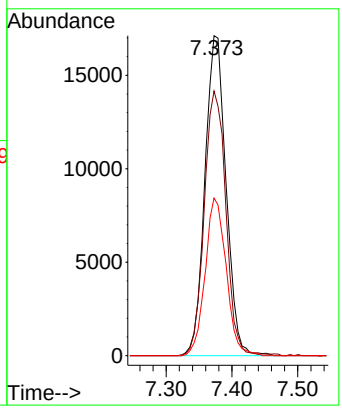




#39
Methylcyclohexane
Concen: 20.291 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3830

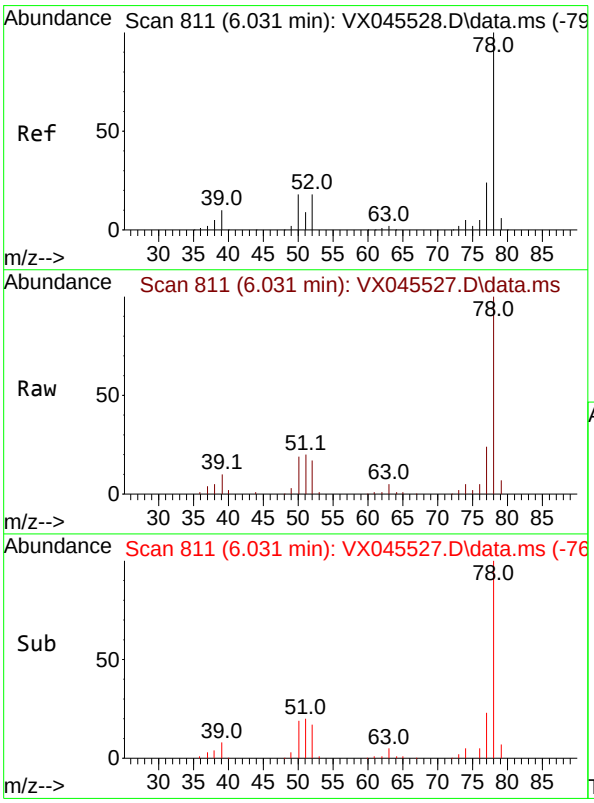
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	49.2	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

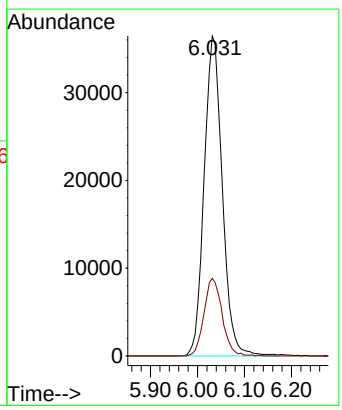
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

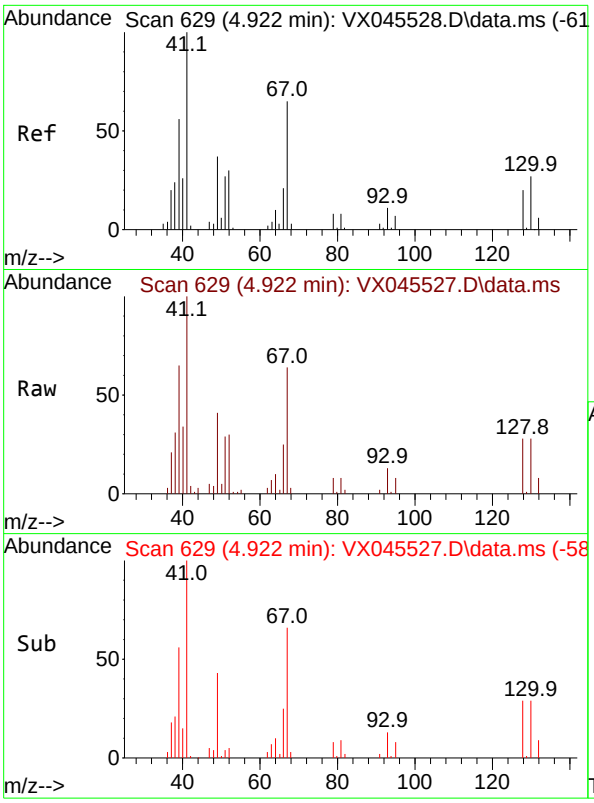


#40
Benzene
Concen: 20.766 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 78 Resp: 97667

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6

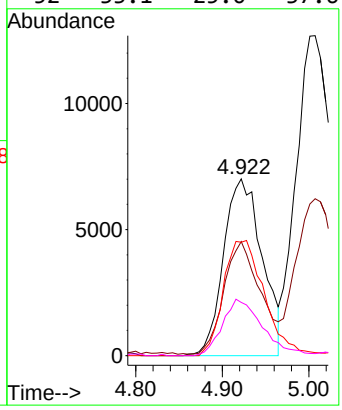




#41
Methacrylonitrile
Concen: 21.046 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 2174

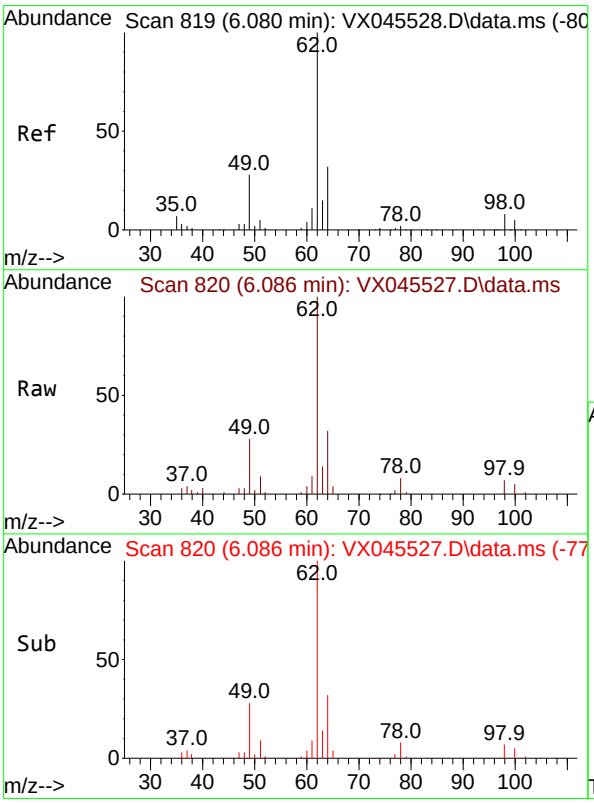
Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.0	70.6
67	69.9	53.2	79.8
52	33.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

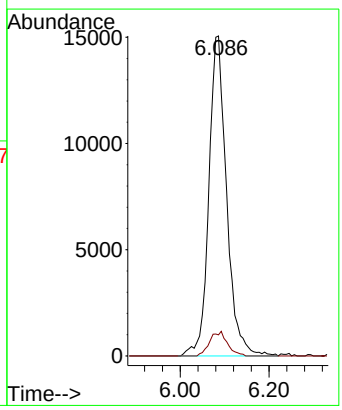
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

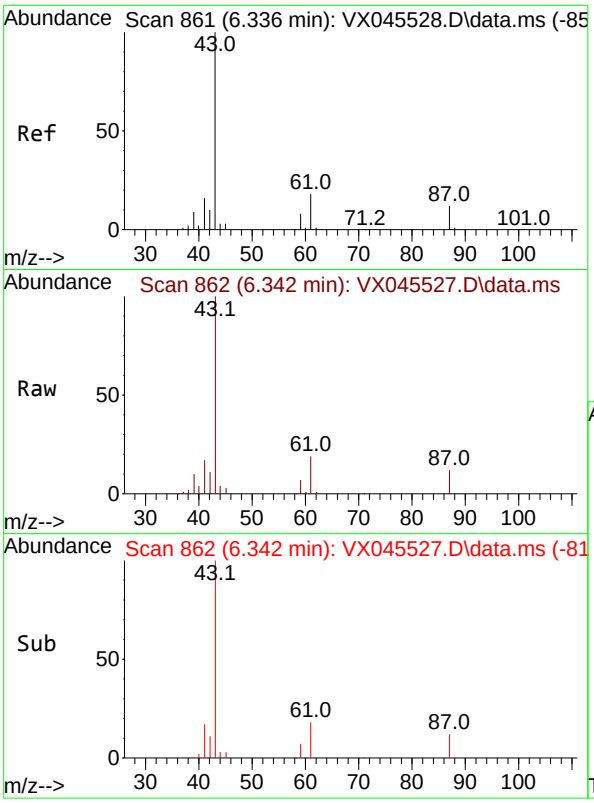


#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 41733

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.814 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

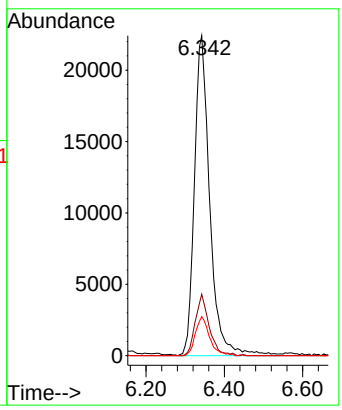
Tgt Ion: 43 Resp: 6122

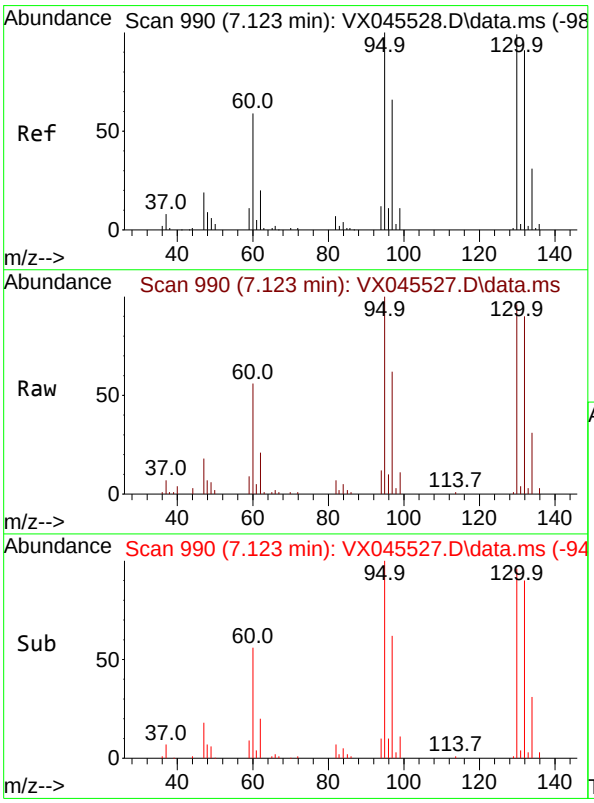
Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.1	21.1
87	11.2	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

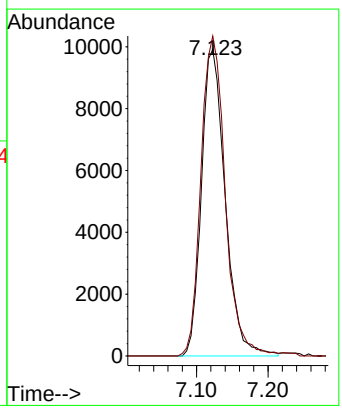


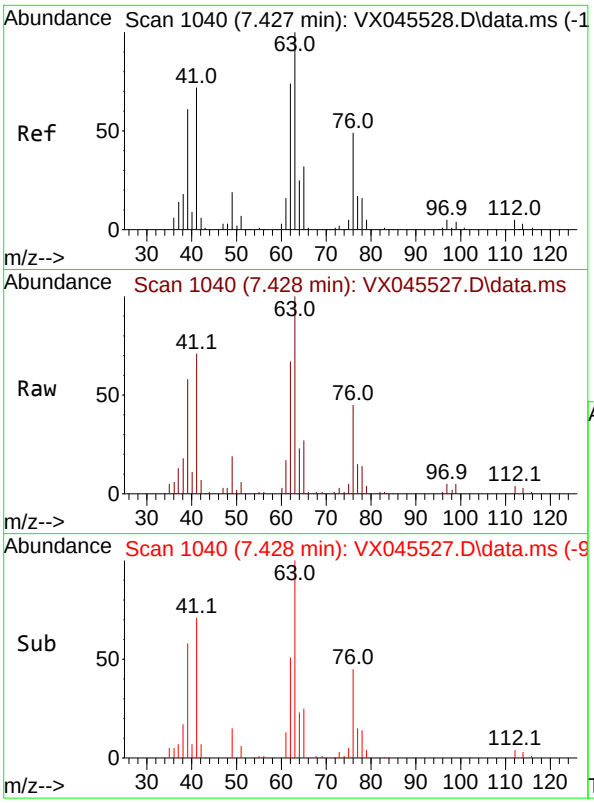


#44
Trichloroethene
Concen: 20.501 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:130 Resp: 22918

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

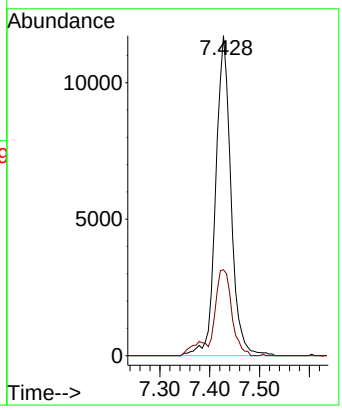




#45
1,2-Dichloropropane
Concen: 21.241 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 2492

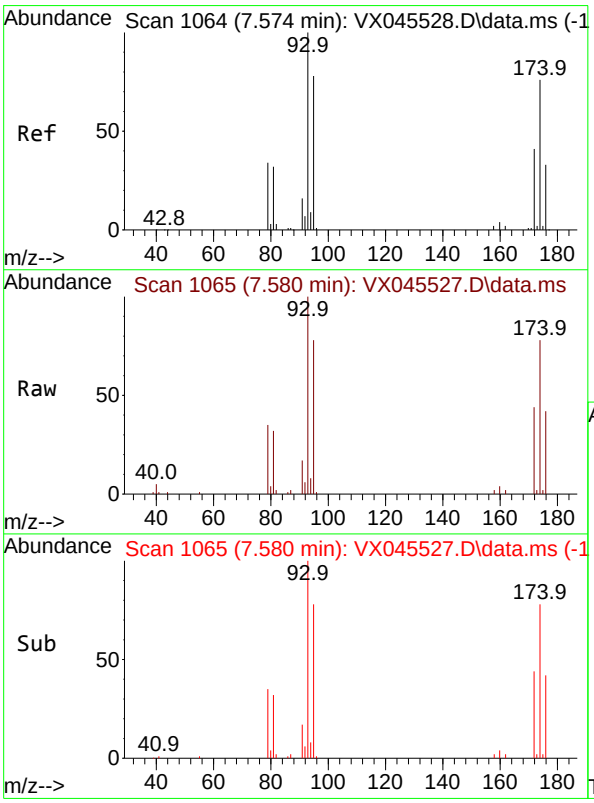
Ion	Ratio	Lower	Upper
63	100		
65	26.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

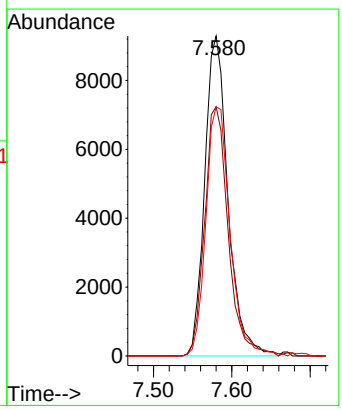
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

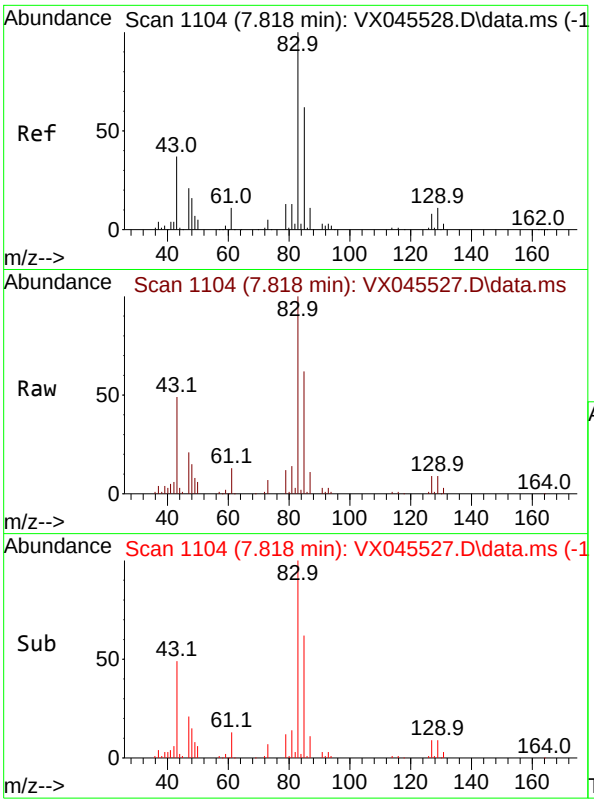


#46
Dibromomethane
Concen: 21.207 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 93 Resp: 19104

Ion	Ratio	Lower	Upper
93	100		
95	79.2	64.8	97.2
174	81.1	65.4	98.0

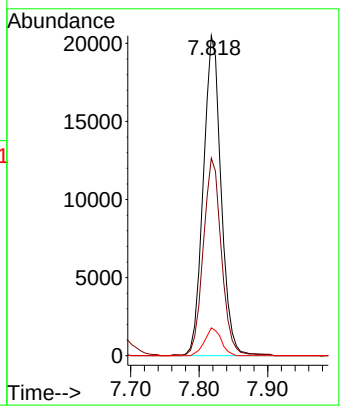




#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3703

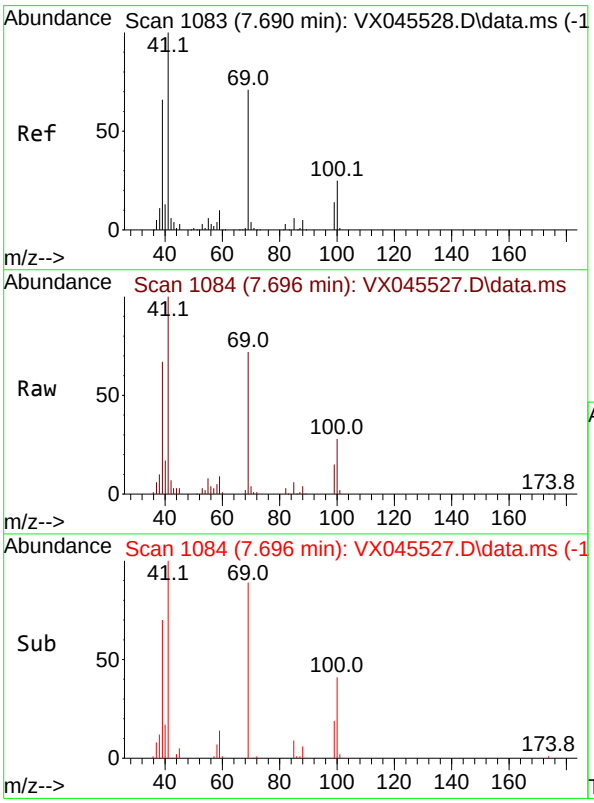
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.7	74.5
127	8.7	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

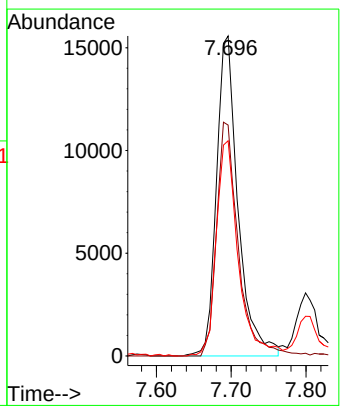
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

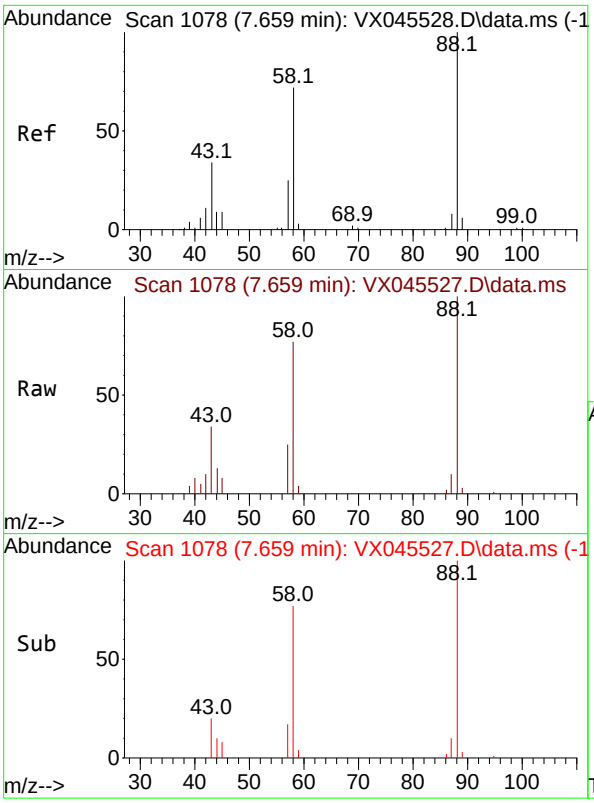


#48
Methyl methacrylate
Concen: 20.575 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 31247

Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.2	87.2
39	68.7	53.6	80.4





#49
1,4-Dioxane
Concen: 440.515 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

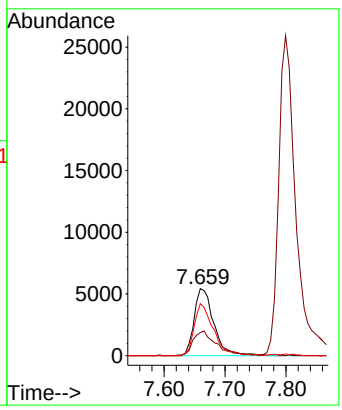
Tgt Ion: 88 Resp: 1210

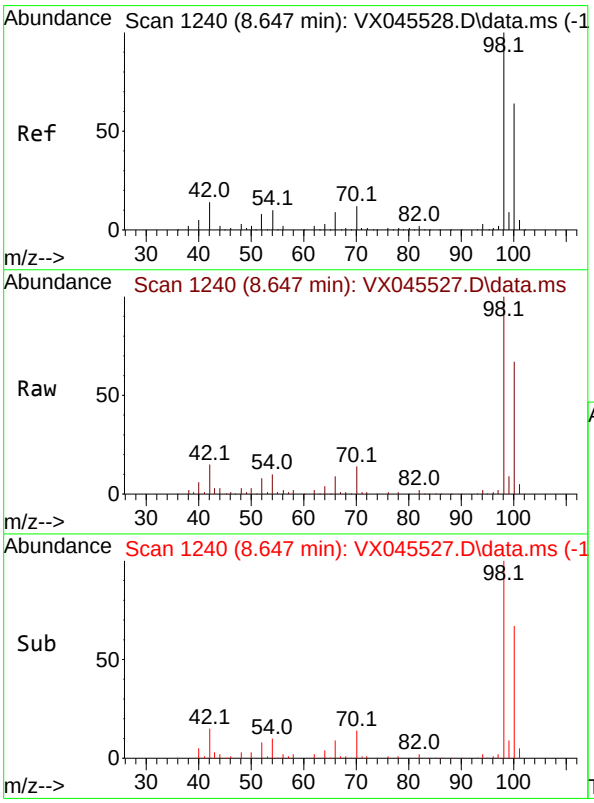
Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.2	48.4
58	76.4	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

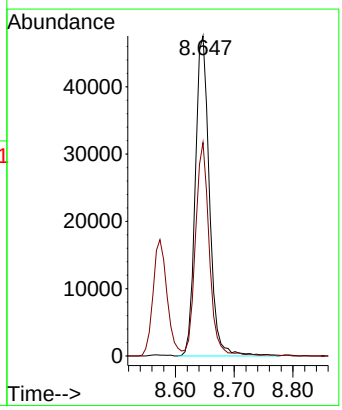


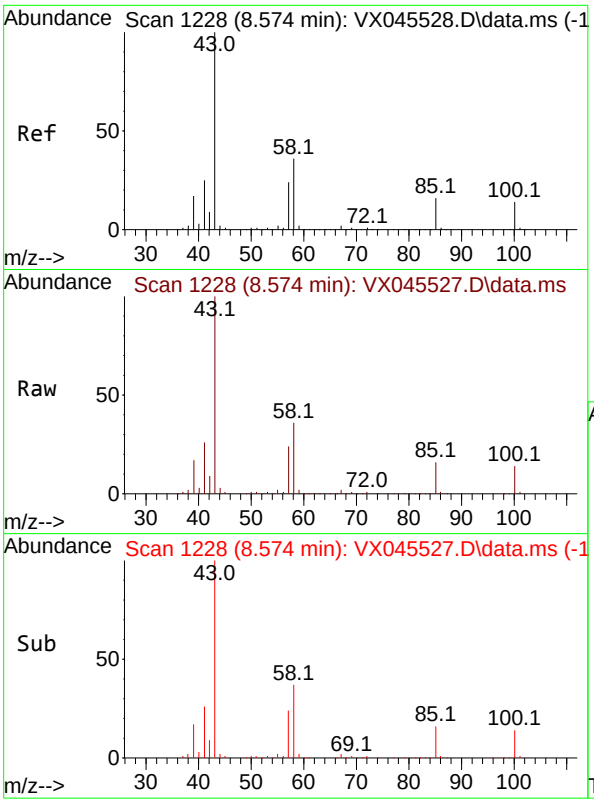


#50
Toluene-d8
Concen: 19.921 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 98 Resp: 79303

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

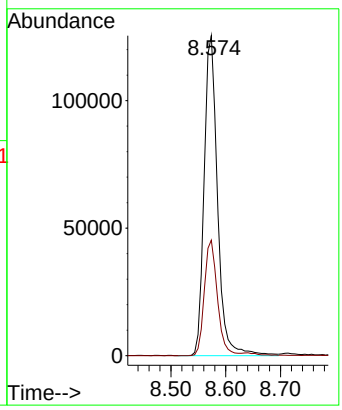




#51
4-Methyl-2-Pentanone
Concen: 109.055 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 21264

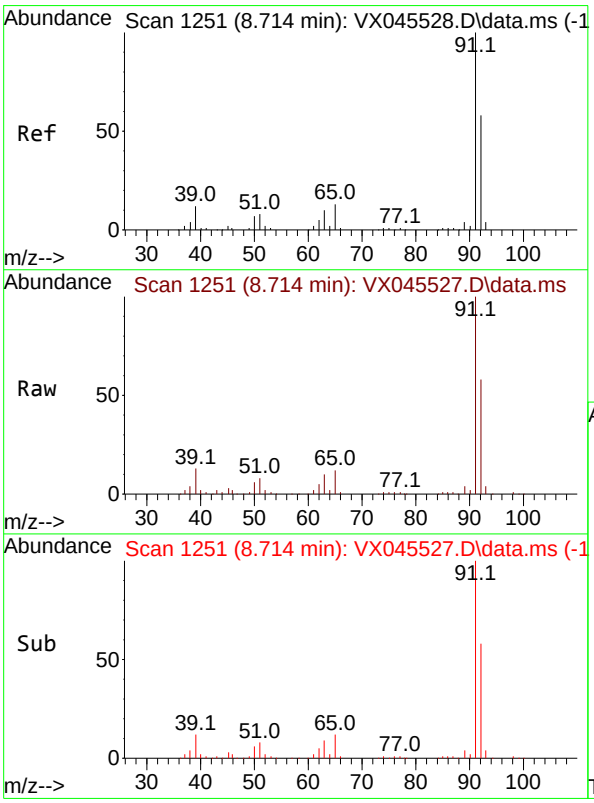
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

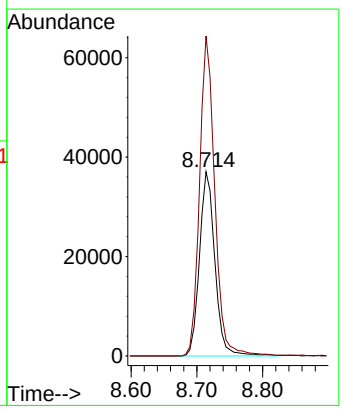
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

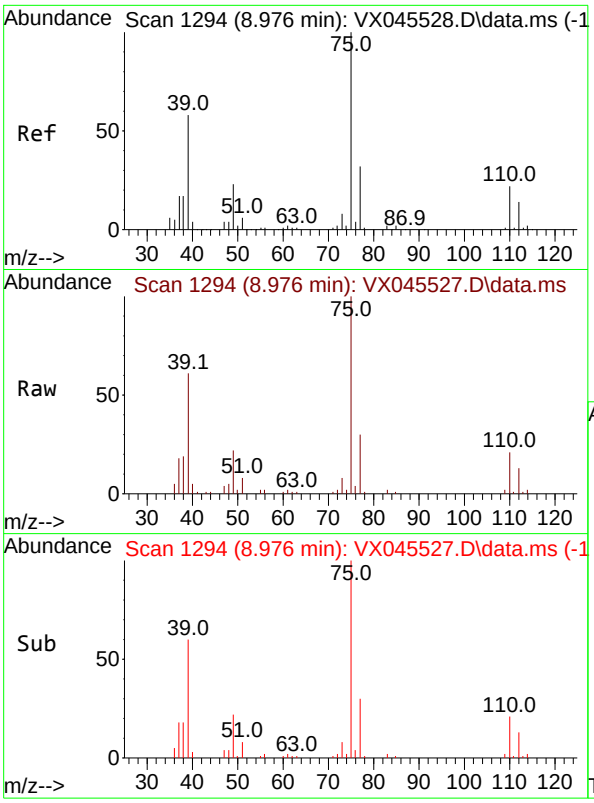


#52
Toluene
Concen: 21.208 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 92 Resp: 60357

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.7	208.1

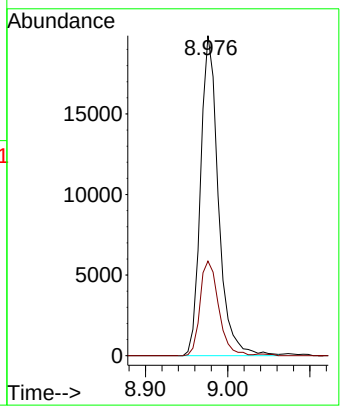




#53
t-1,3-Dichloropropene
Concen: 18.764 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 2987

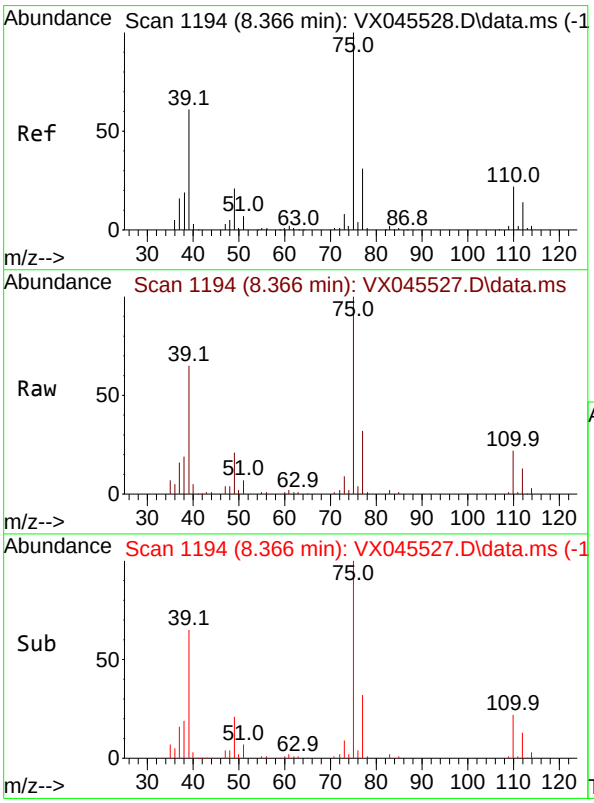
Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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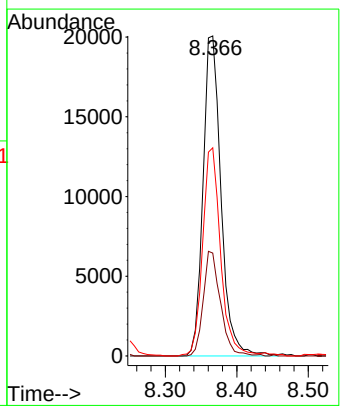
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

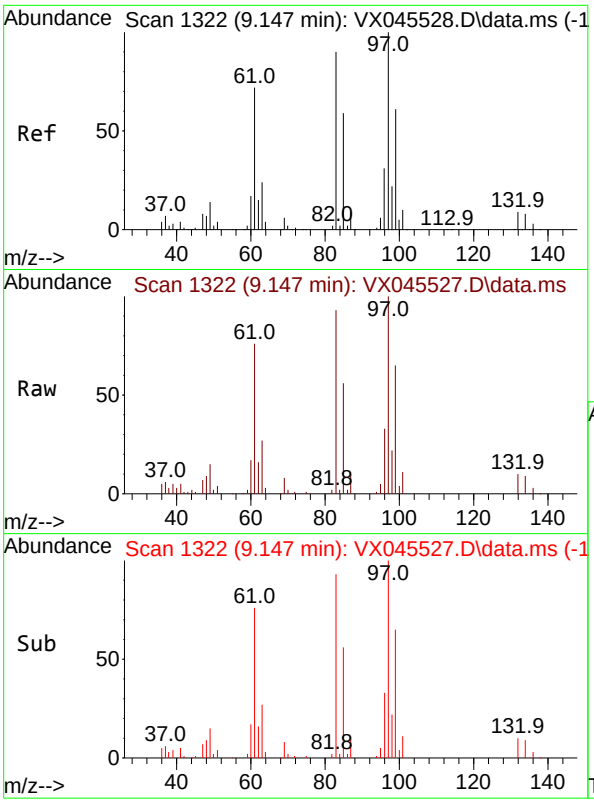


#54
cis-1,3-Dichloropropene
Concen: 20.762 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 35099

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	65.0	48.4	72.6

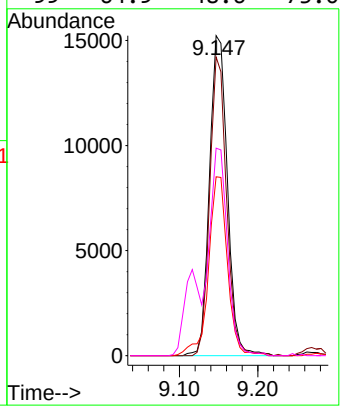




#55
1,1,2-Trichloroethane
Concen: 21.331 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 2419

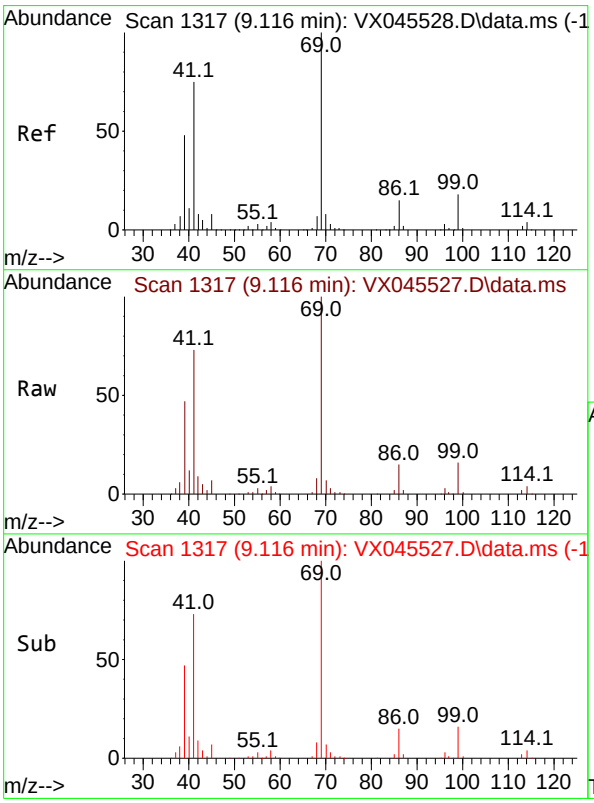
Ion	Ratio	Lower	Upper
97	100		
83	93.4	71.8	107.8
85	55.9	47.0	70.6
99	64.9	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

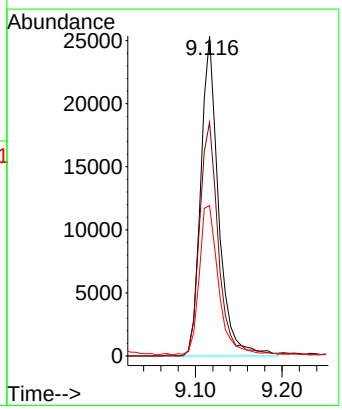
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

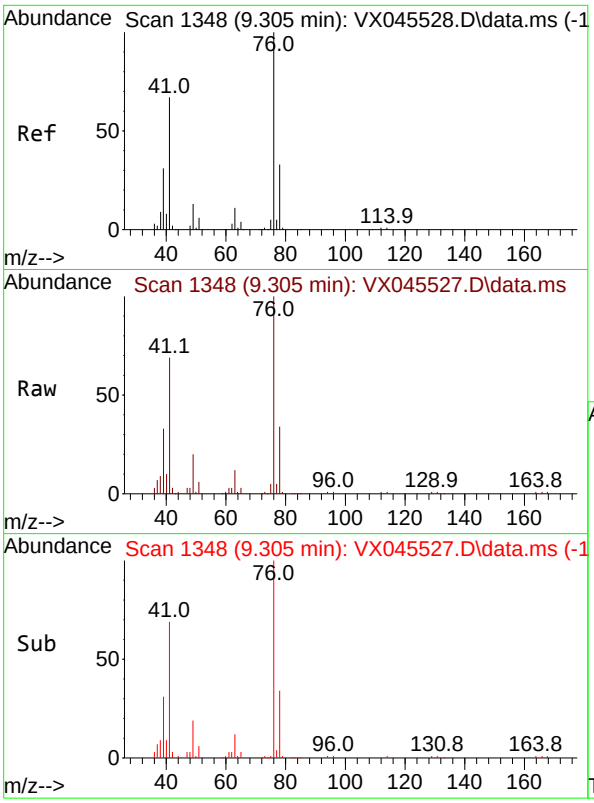


#56
Ethyl methacrylate
Concen: 20.600 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 69 Resp: 36155

Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.3	91.9
39	51.5	40.2	60.2

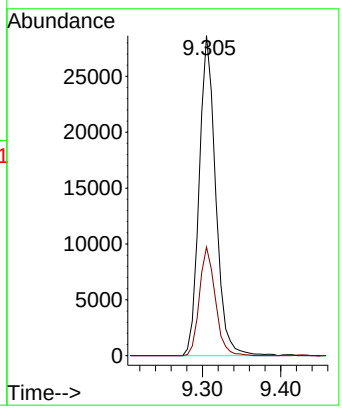




#57
1,3-Dichloropropane
Concen: 21.217 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 76 Resp: 4190

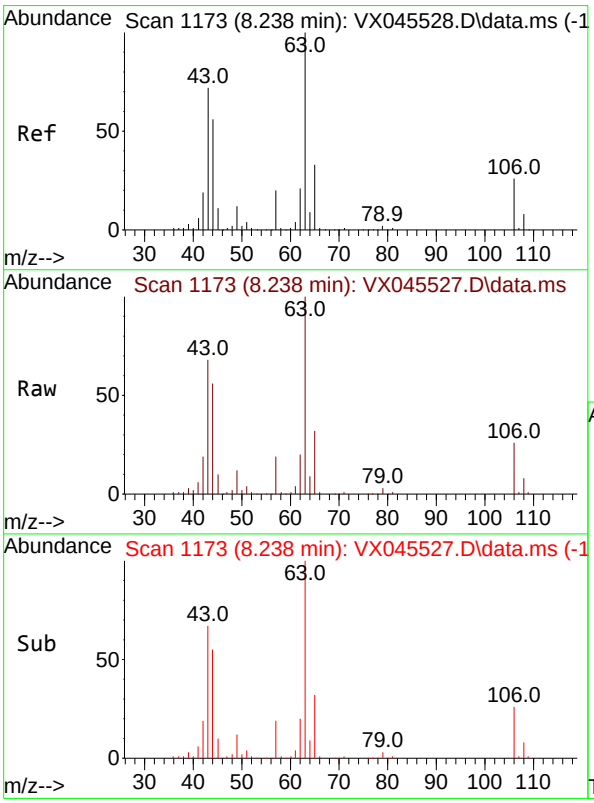
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

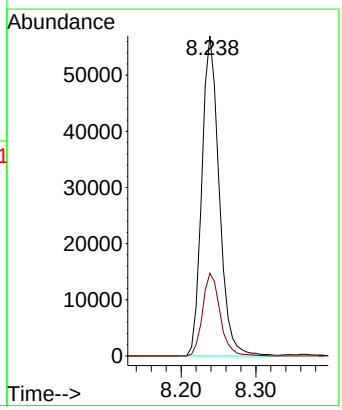
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

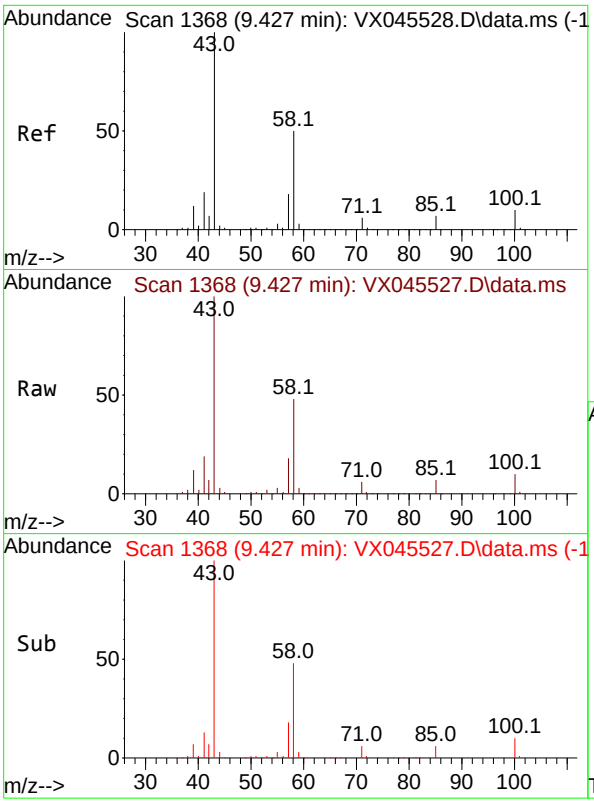


#58
2-Chloroethyl Vinyl ether
Concen: 103.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 91923

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.0	31.6

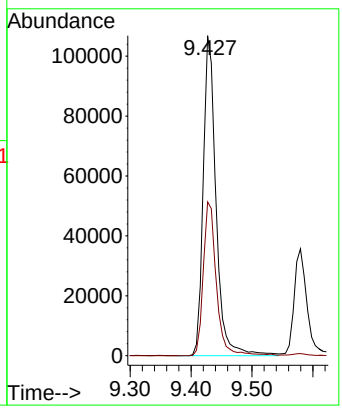




#59
2-Hexanone
Concen: 108.730 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 15699

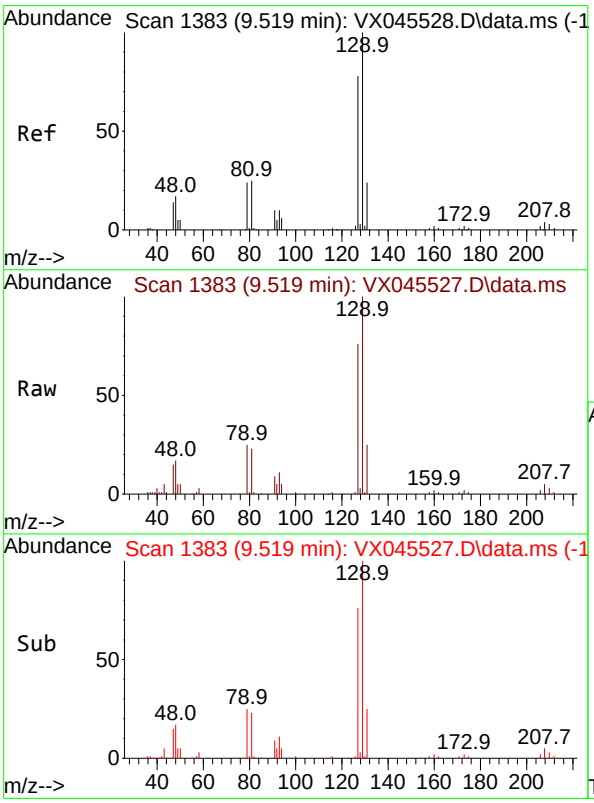
Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

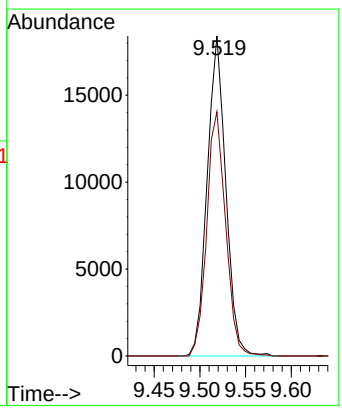
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

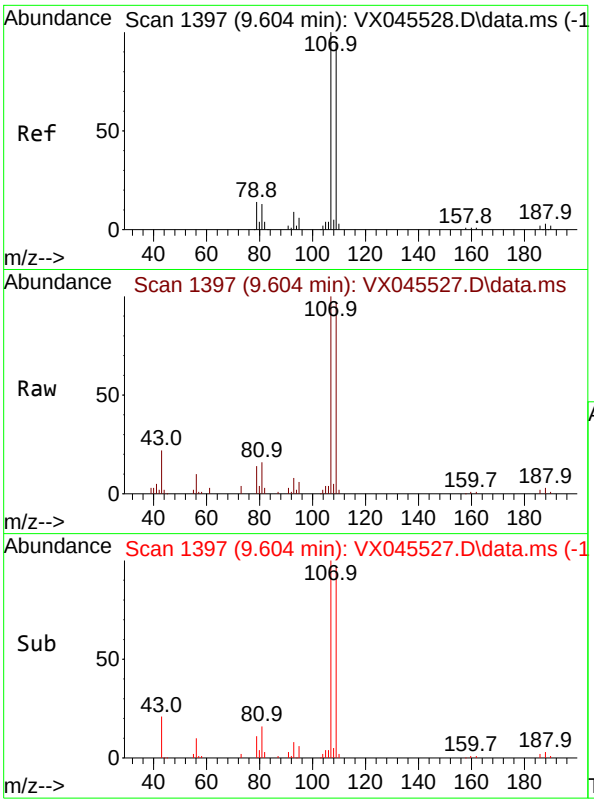


#60
Dibromochloromethane
Concen: 21.023 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:129 Resp: 25992

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.4	118.2

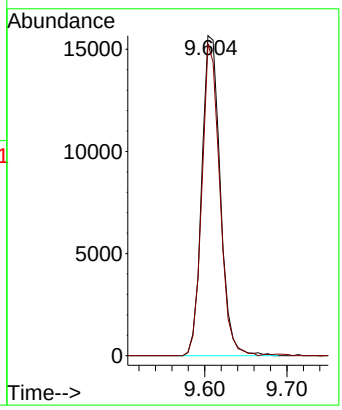




#61
1,2-Dibromoethane
Concen: 21.303 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:107 Resp: 2445

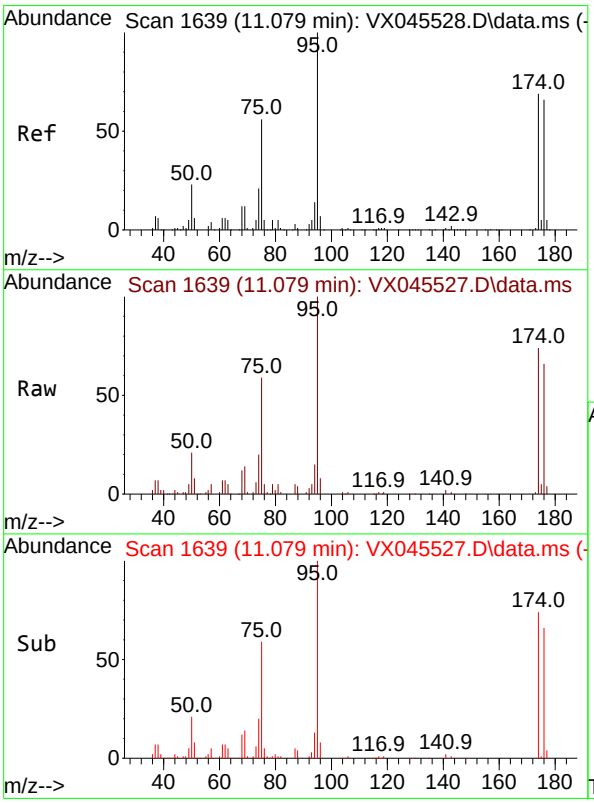
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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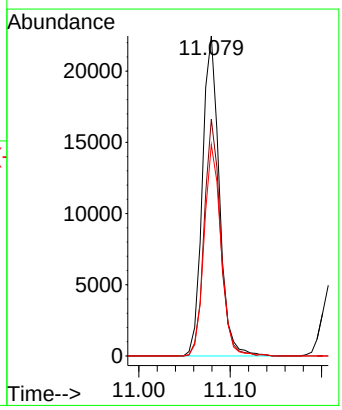
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

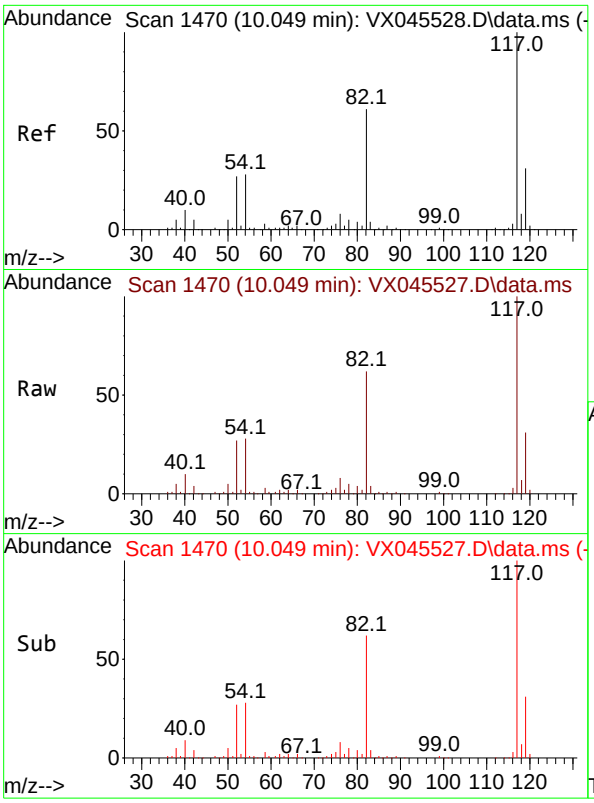


#62
4-Bromofluorobenzene
Concen: 19.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 95 Resp: 28795

Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	135.8
176	65.8	0.0	131.4

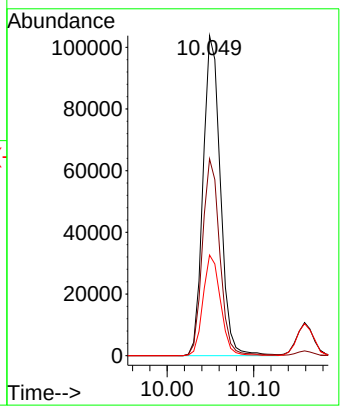




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14408

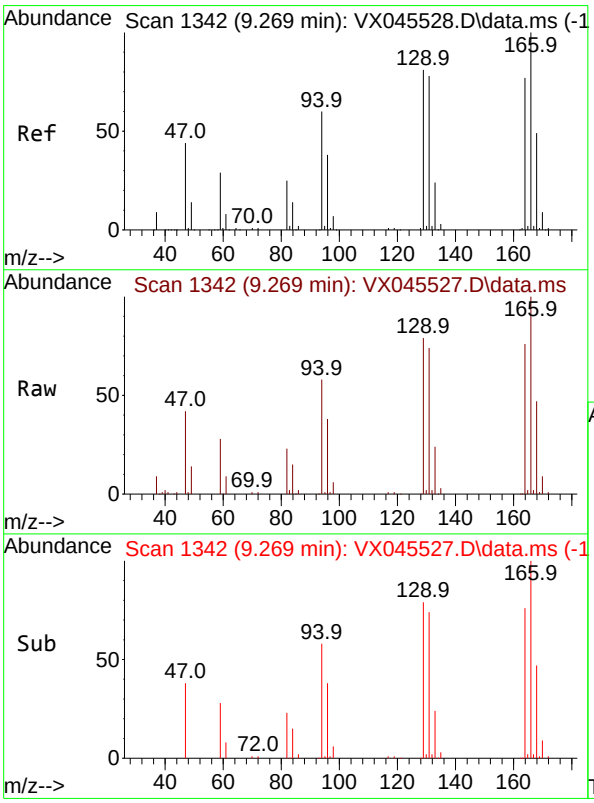
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

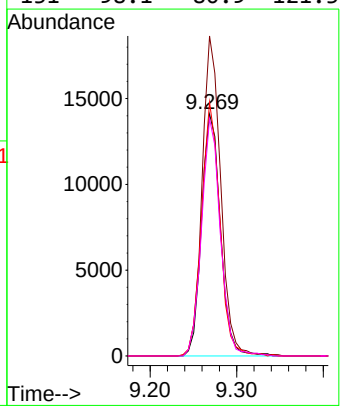
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

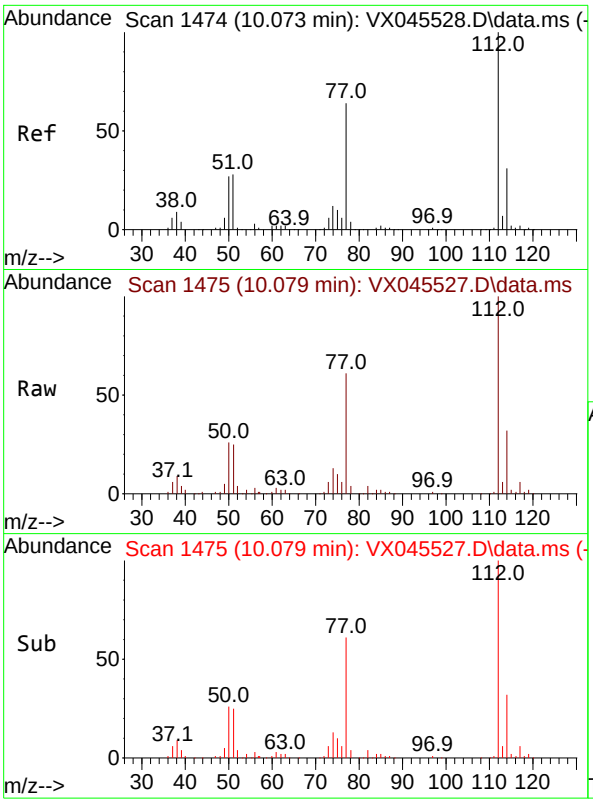


#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:164 Resp: 21379

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.8	155.8
129	104.9	84.3	126.5
131	98.1	80.9	121.3

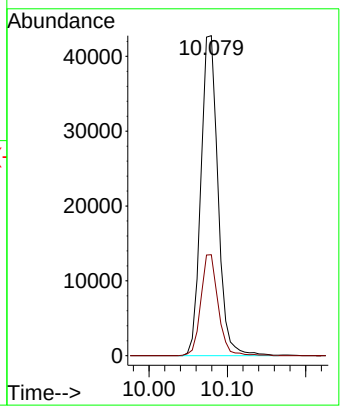




#65
Chlorobenzene
Concen: 21.023 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:112 Resp: 6472

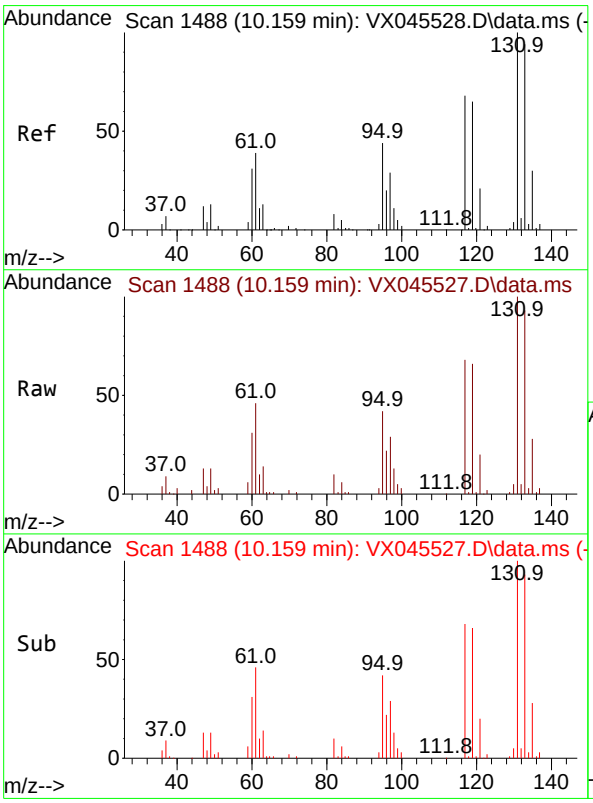
Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

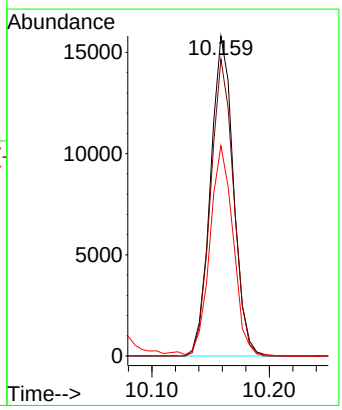
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

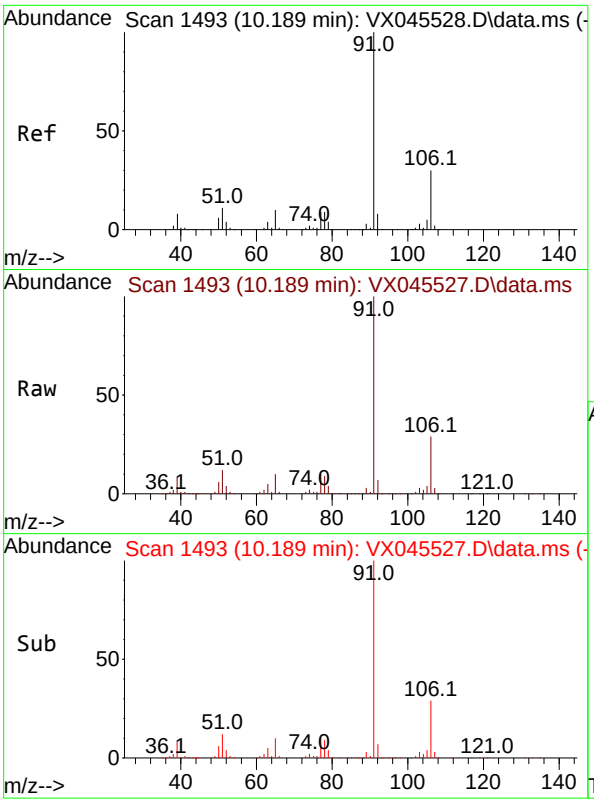


#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:131 Resp: 21447

Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.5	142.5
119	66.3	32.9	98.6

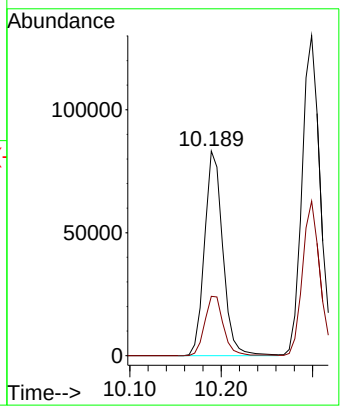




#67
Ethyl Benzene
Concen: 20.921 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 11536

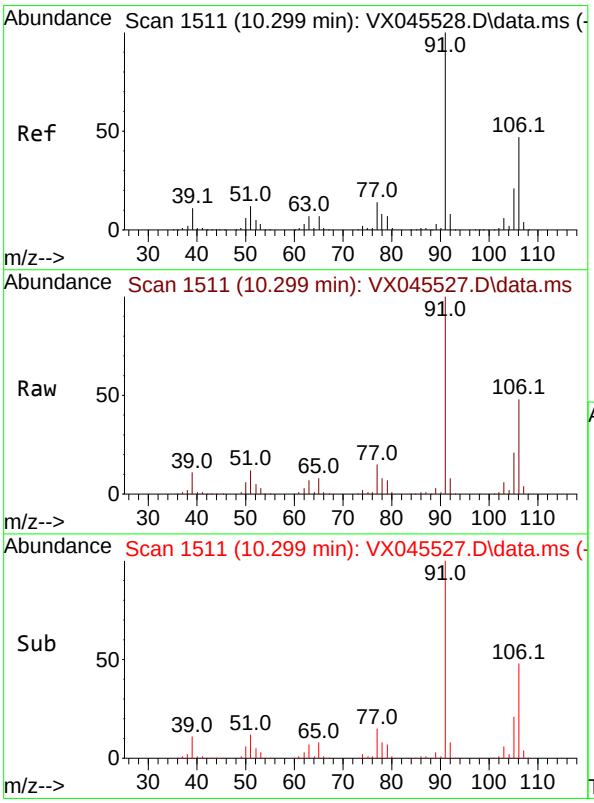
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

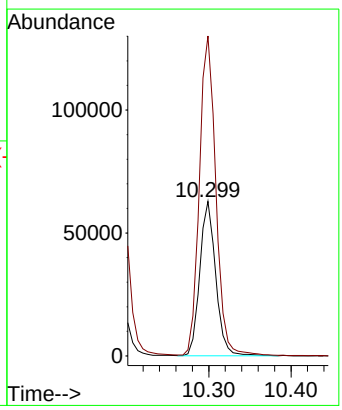
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

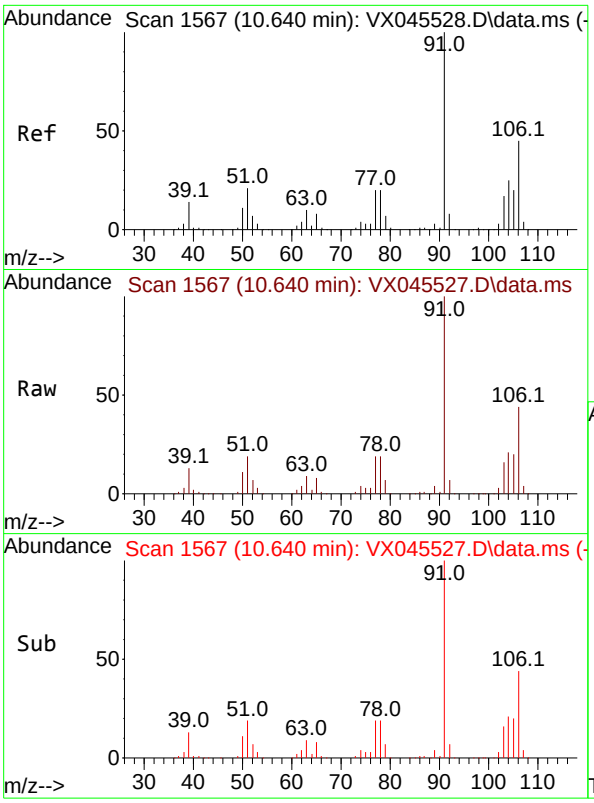


#68
m/p-Xylenes
Concen: 42.092 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 84420

Ion	Ratio	Lower	Upper
106	100		
91	214.4	172.6	258.8

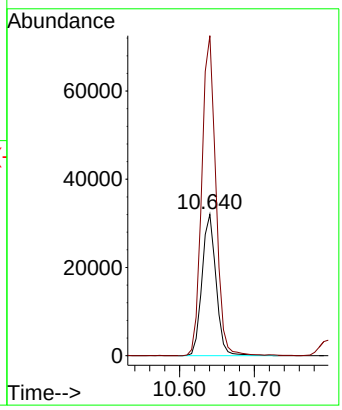




#69
o-Xylene
Concen: 21.158 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 4180

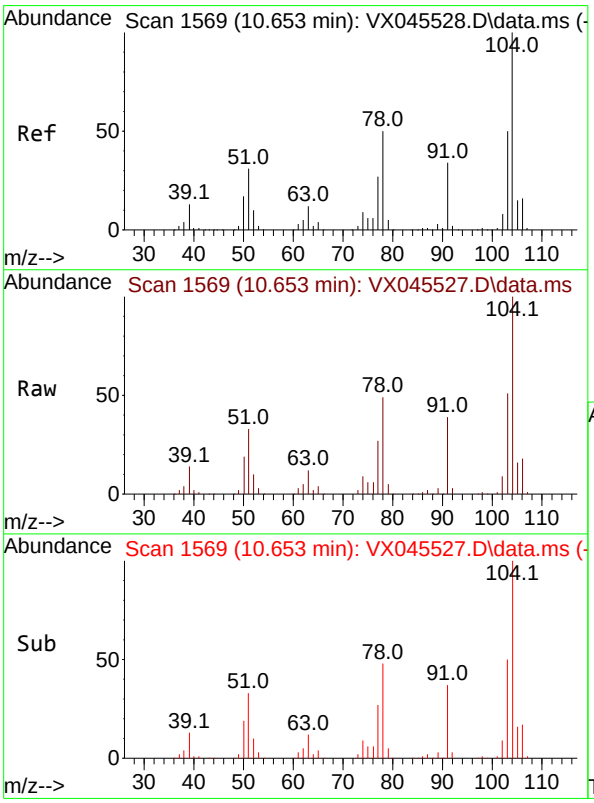
Ion	Ratio	Lower	Upper
106	100		
91	226.9	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

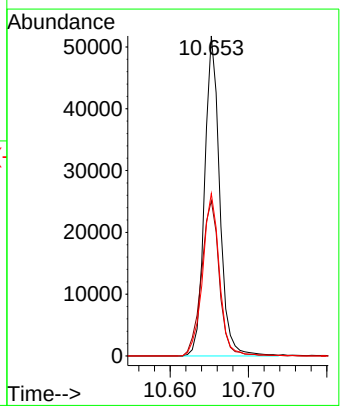
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

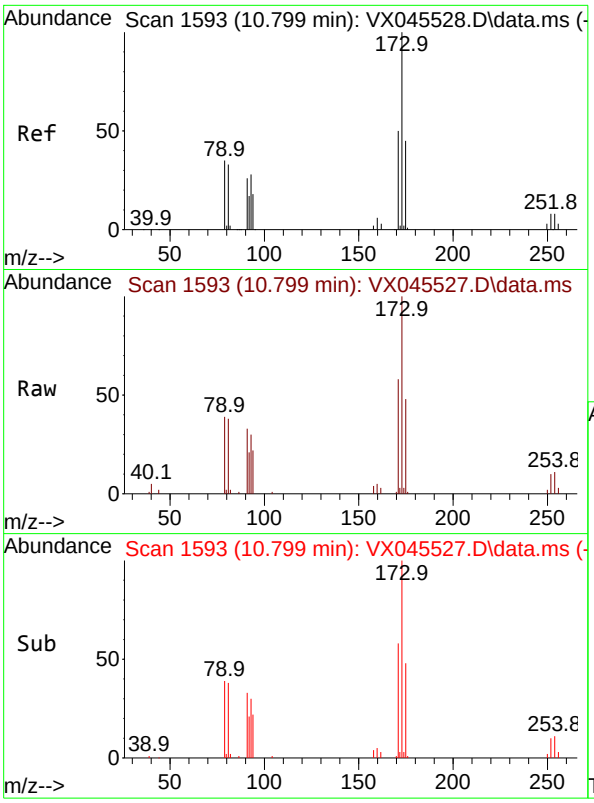


#70
Styrene
Concen: 21.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:104 Resp: 69290

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	56.5	43.8	65.8

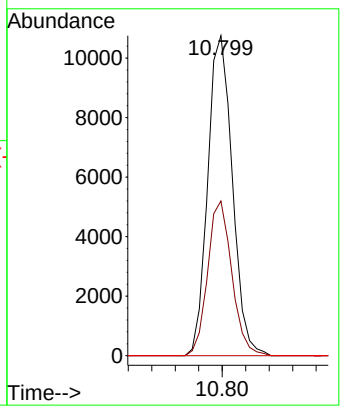




#71
Bromoform
Concen: 19.619 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:173 Resp: 1565

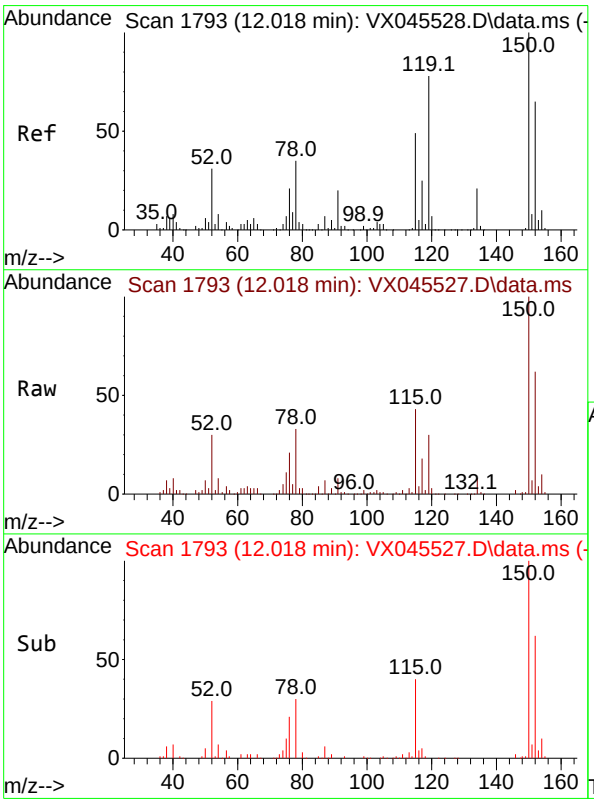
Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

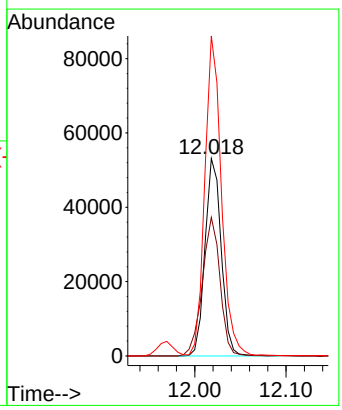
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

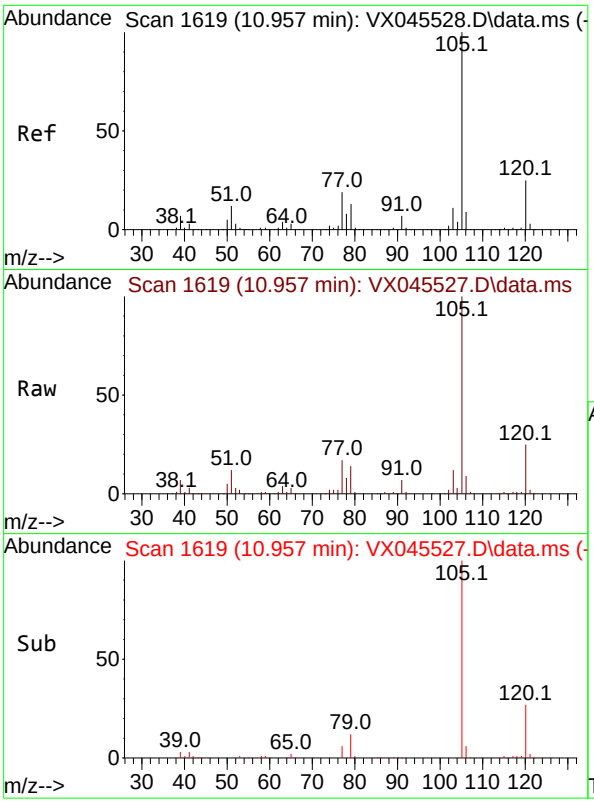


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:152 Resp: 65341

Ion	Ratio	Lower	Upper
152	100		
115	76.8	46.9	140.7
150	166.0	0.0	349.4

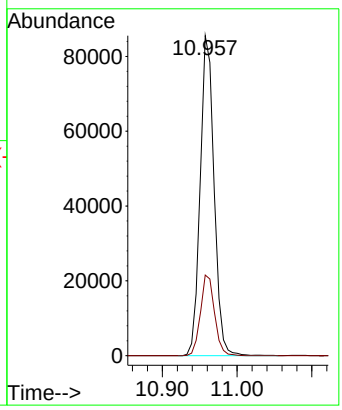




#73
Isopropylbenzene
Concen: 21.093 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11039

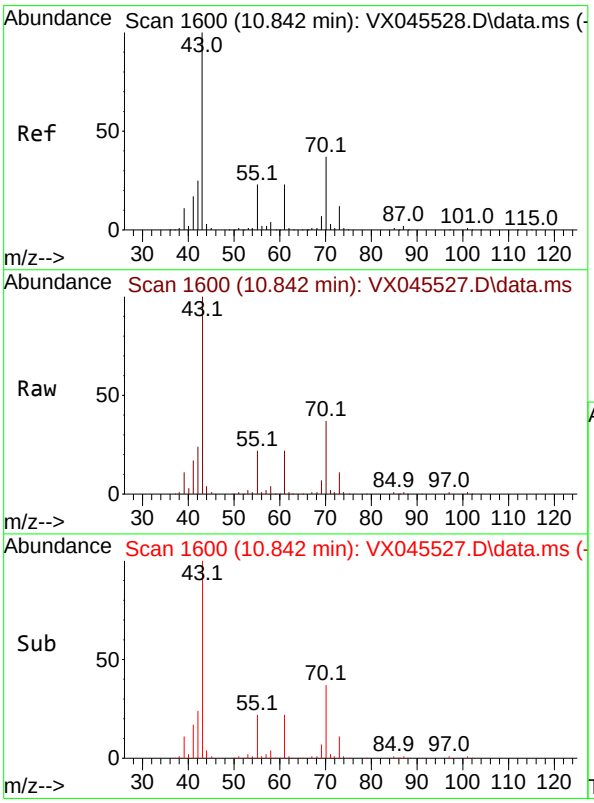
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

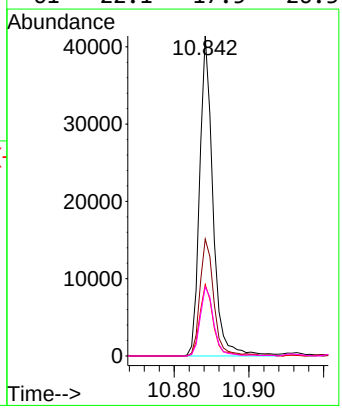
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

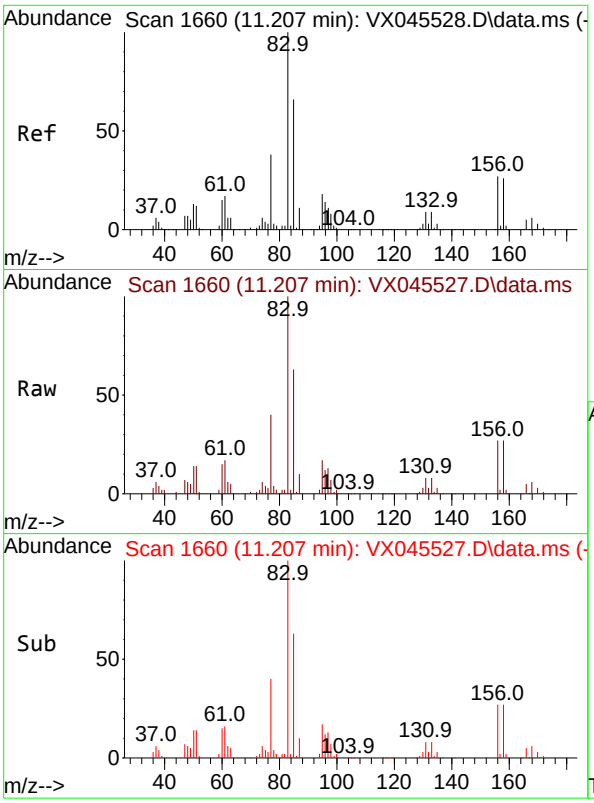


#74
N-amyl acetate
Concen: 20.466 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 51238

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.5	18.3	27.5
61	22.1	17.5	26.3

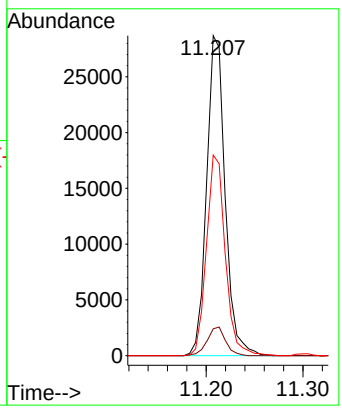




#75
1,1,2,2-Tetrachloroethane
Concen: 20.764 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3817

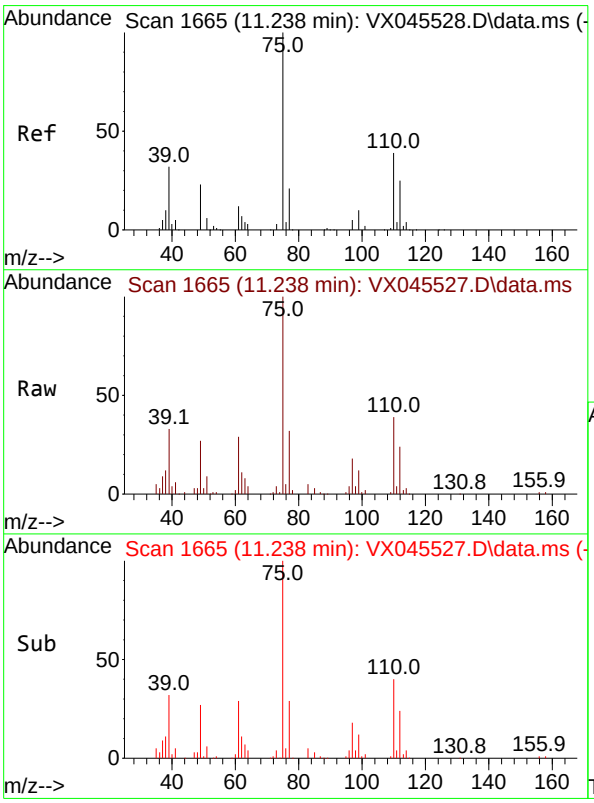
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	63.7	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

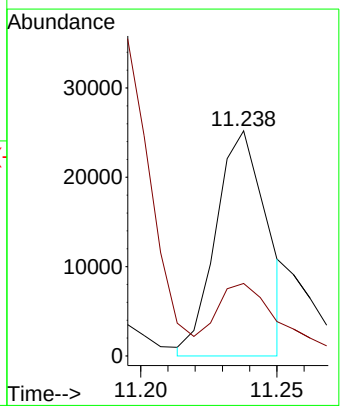
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

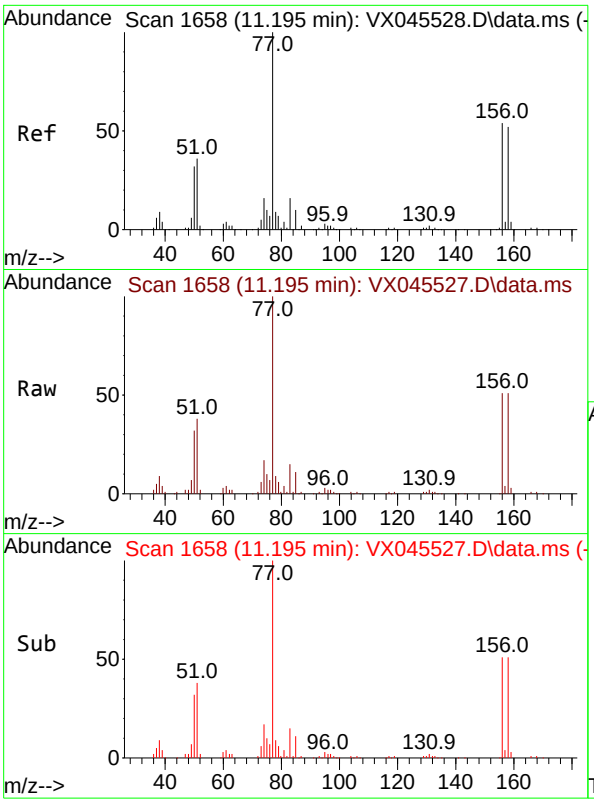


#76
1,2,3-Trichloropropane
Concen: 20.510 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 32690

Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.0	59.9





#77
Bromobenzene
Concen: 20.592 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

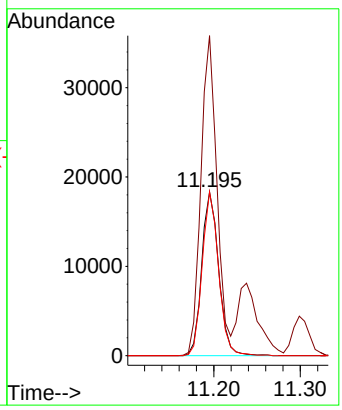
Tgt Ion:156 Resp: 2490

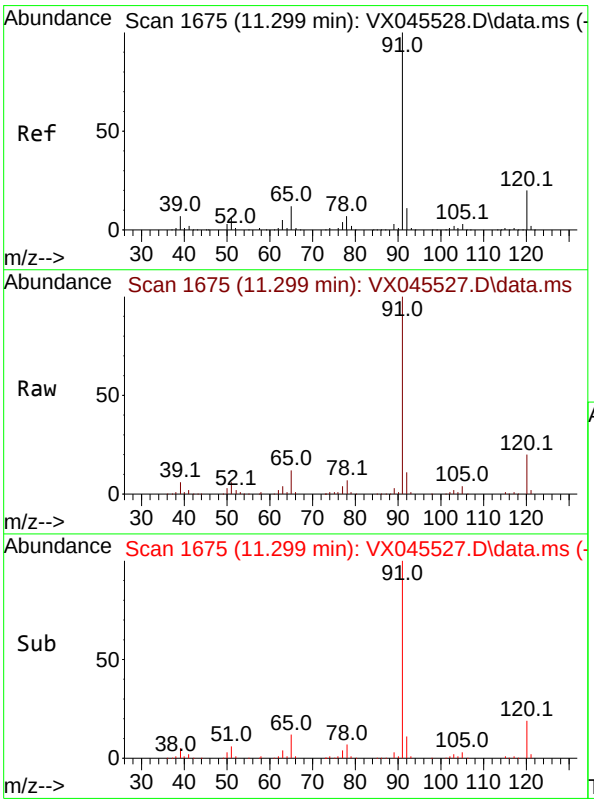
Ion	Ratio	Lower	Upper
156	100		
77	185.0	92.6	277.8
158	96.7	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

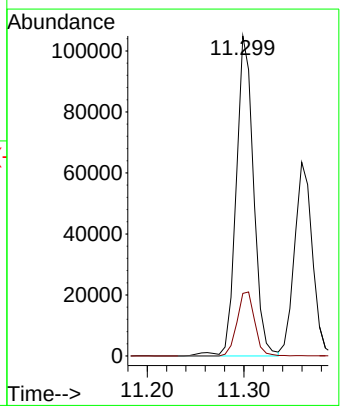


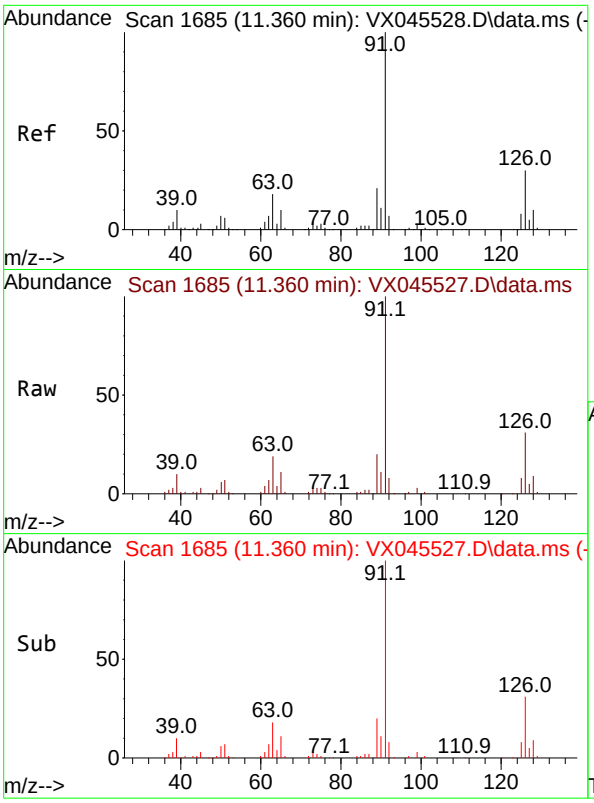


#78
n-propylbenzene
Concen: 21.729 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 130994

Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.8	32.3

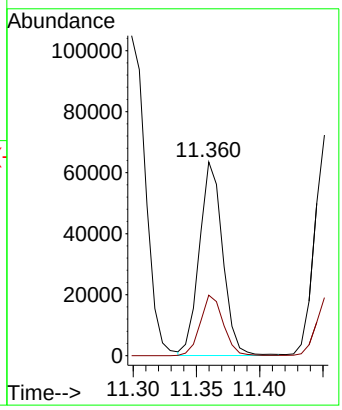




#79
2-Chlorotoluene
Concen: 21.229 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 8181

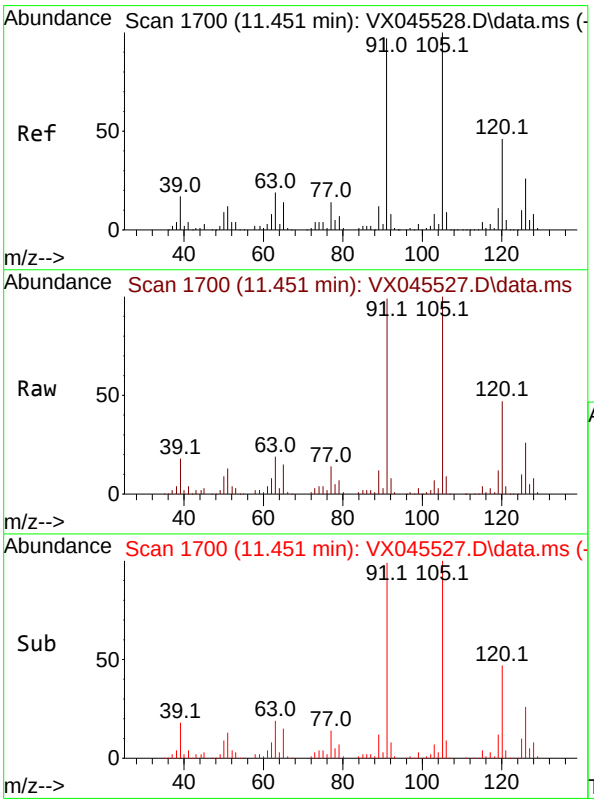
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

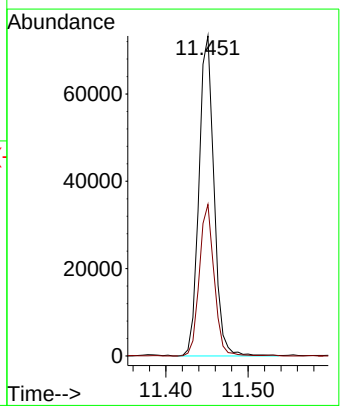
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

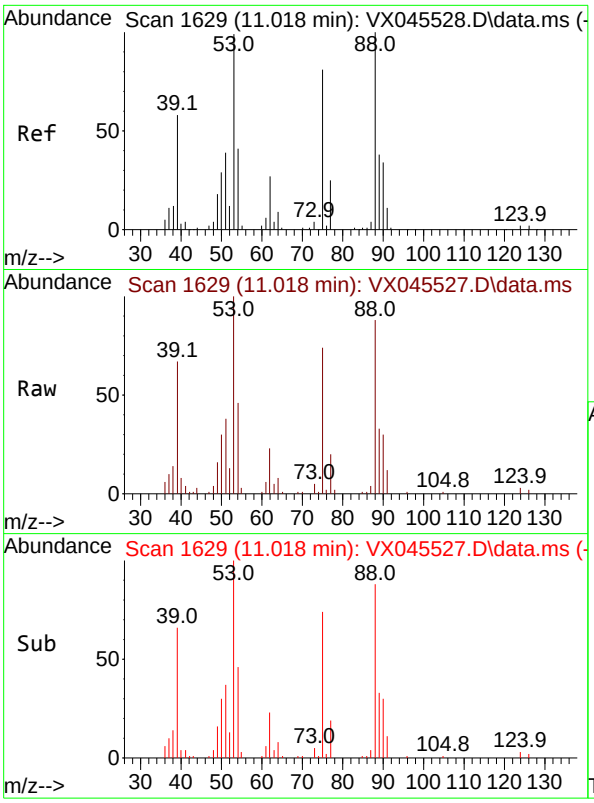


#80
1,3,5-Trimethylbenzene
Concen: 21.564 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 93328

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.961 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

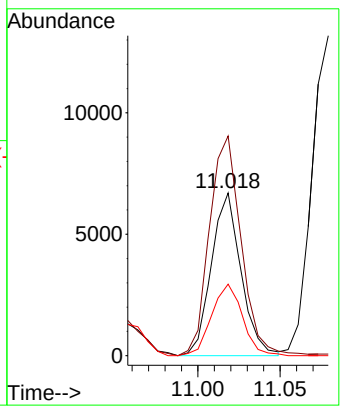
Tgt Ion: 75 Resp: 843

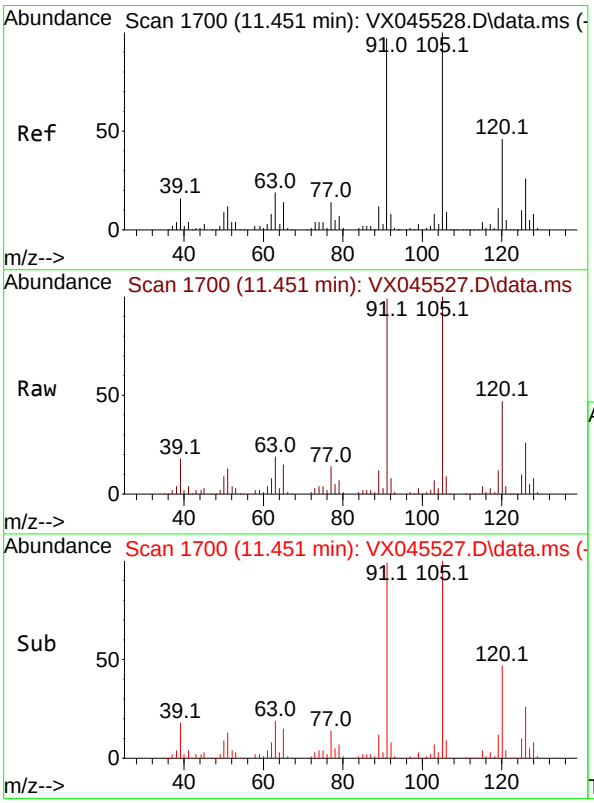
Ion	Ratio	Lower	Upper
75	100		
53	144.7	101.8	152.6
89	45.5	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

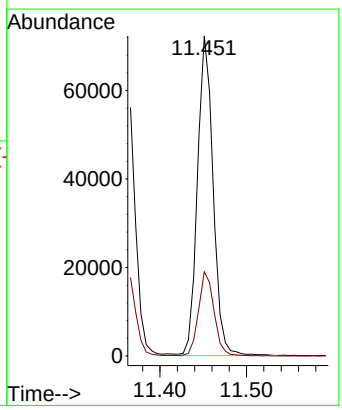


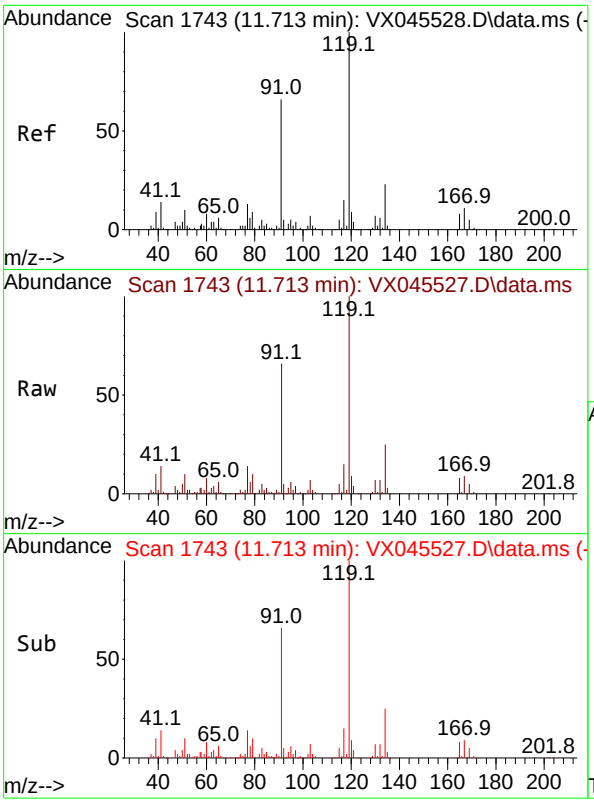


#82
4-Chlorotoluene
Concen: 21.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 90704

Ion	Ratio	Lower	Upper
91	100		
126	26.2	13.3	39.9

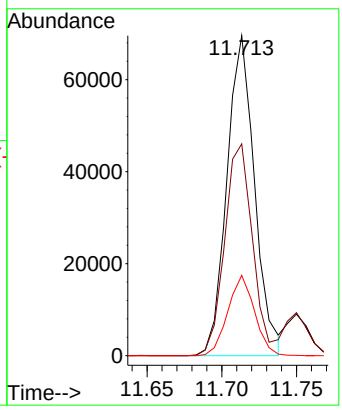




#83
tert-Butylbenzene
Concen: 20.964 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 8982

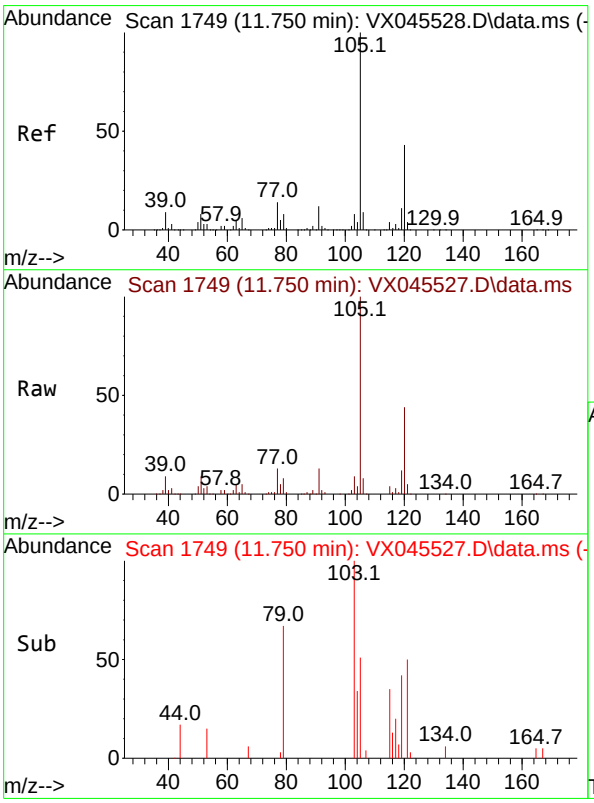
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

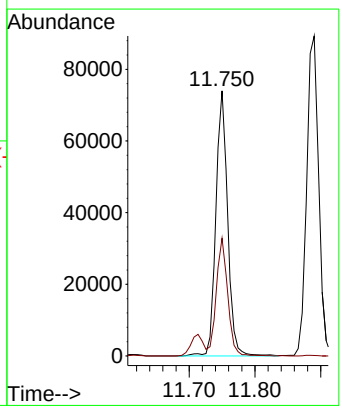
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

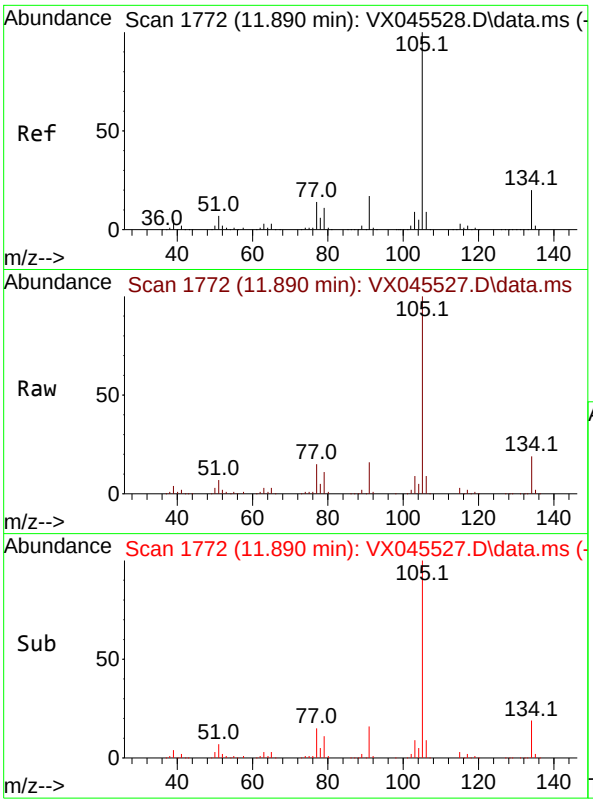


#84
1,2,4-Trimethylbenzene
Concen: 21.235 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 92242

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.4	64.3

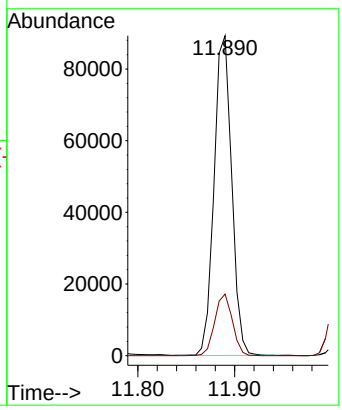




#85
sec-Butylbenzene
Concen: 21.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11280

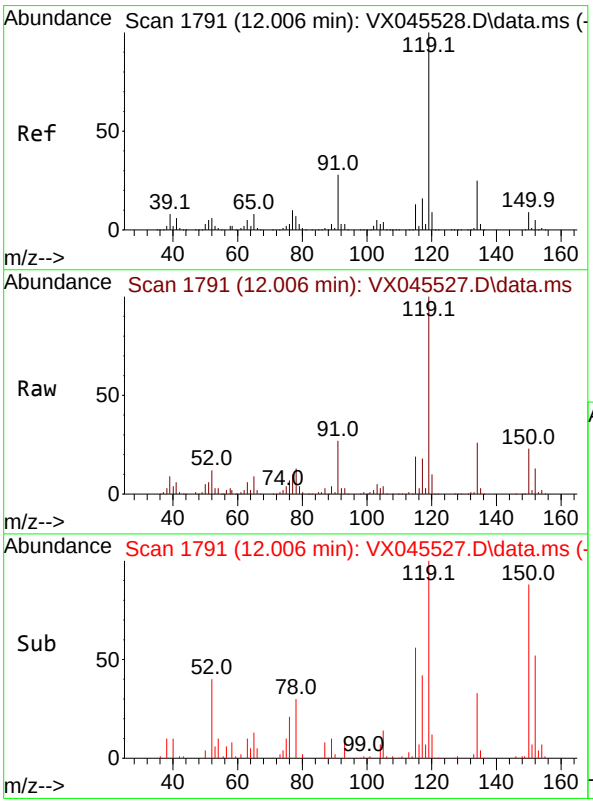
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

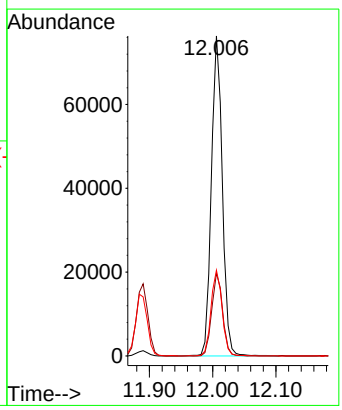
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

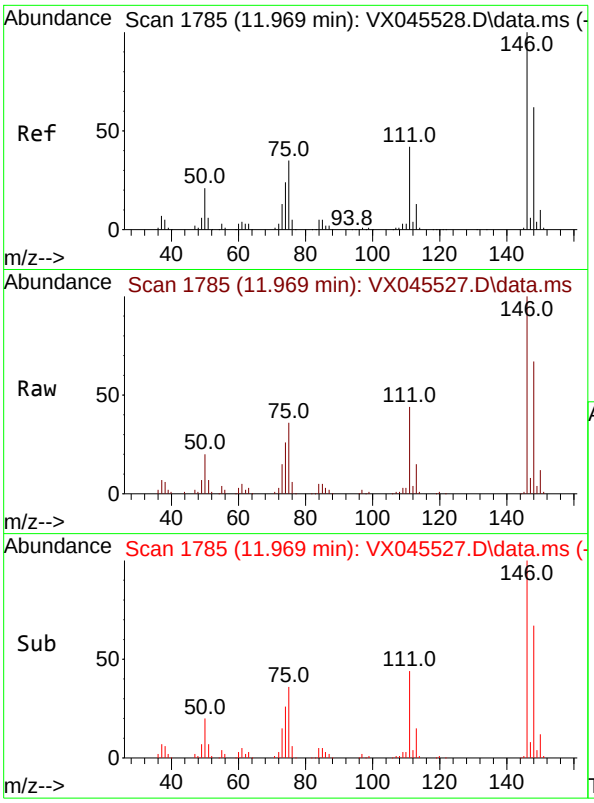


#86
p-Isopropyltoluene
Concen: 21.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 91866

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	27.1	13.7	41.1

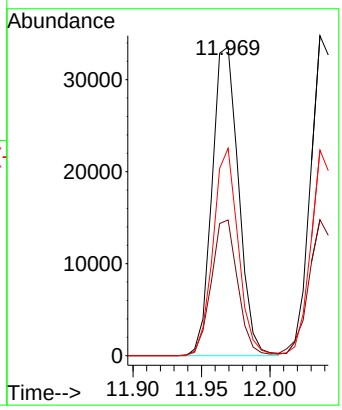




#87
1,3-Dichlorobenzene
Concen: 20.490 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4510

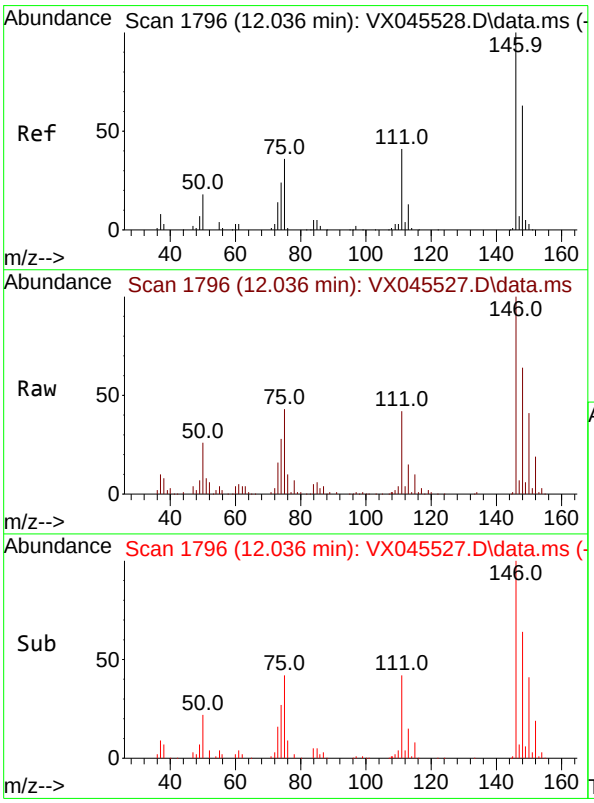
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

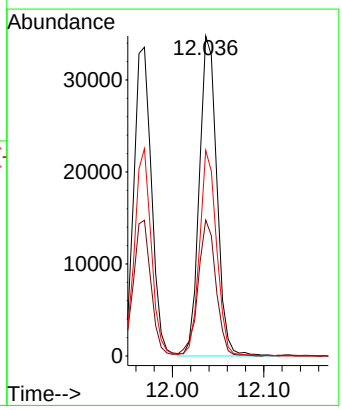
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

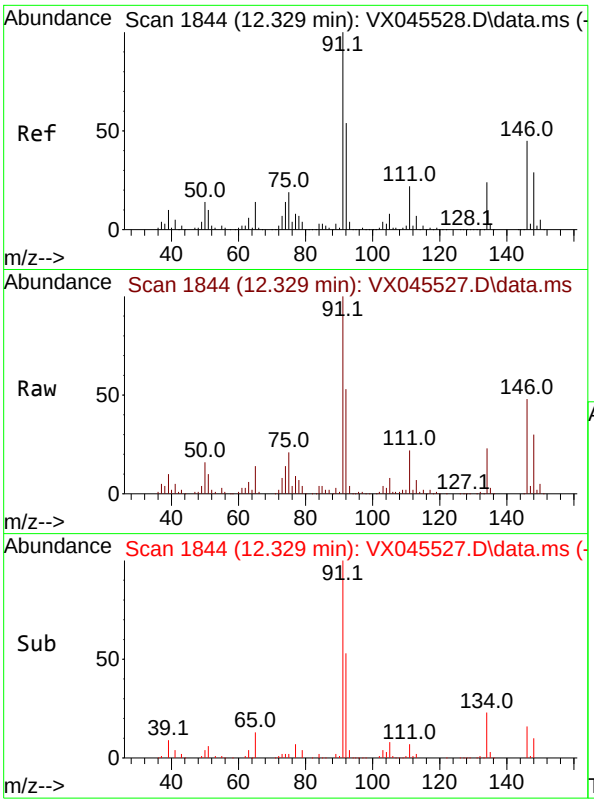


#88
1,4-Dichlorobenzene
Concen: 20.706 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 46208

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	62.6	31.5	94.5

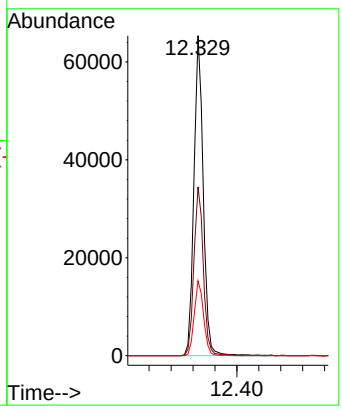




#89
n-Butylbenzene
Concen: 20.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 7773

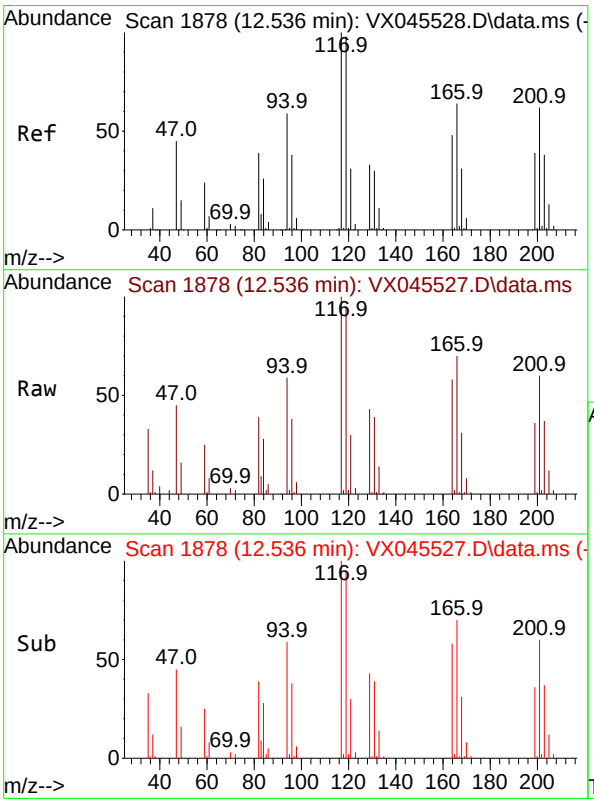
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.6
134	23.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

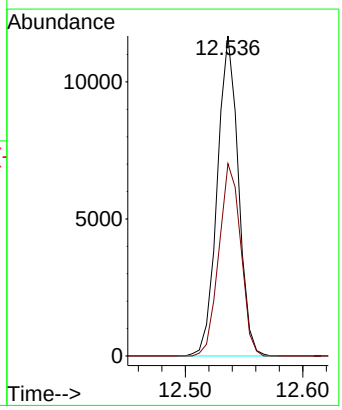
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

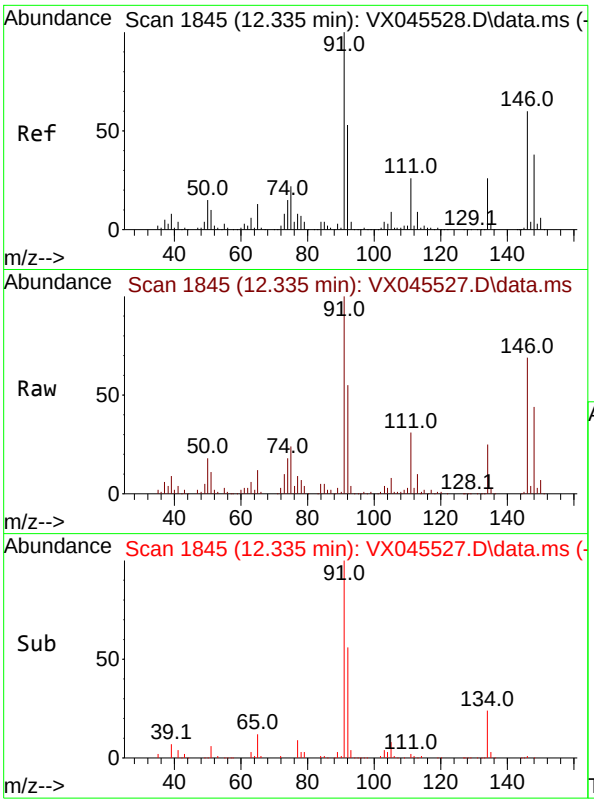


#90
Hexachloroethane
Concen: 19.505 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14544

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.2	93.6

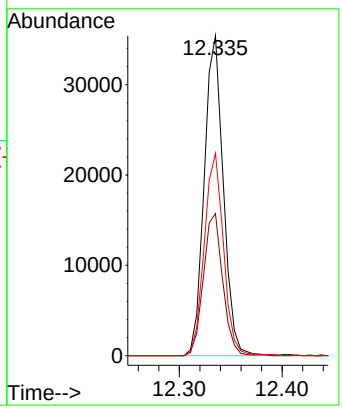




#91
1,2-Dichlorobenzene
Concen: 20.896 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4573

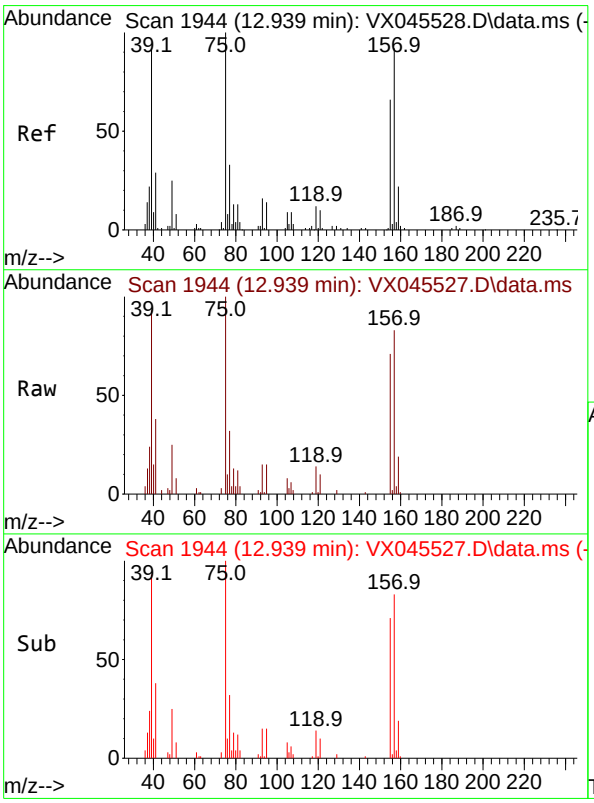
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

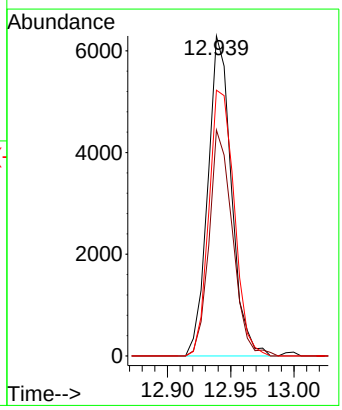
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

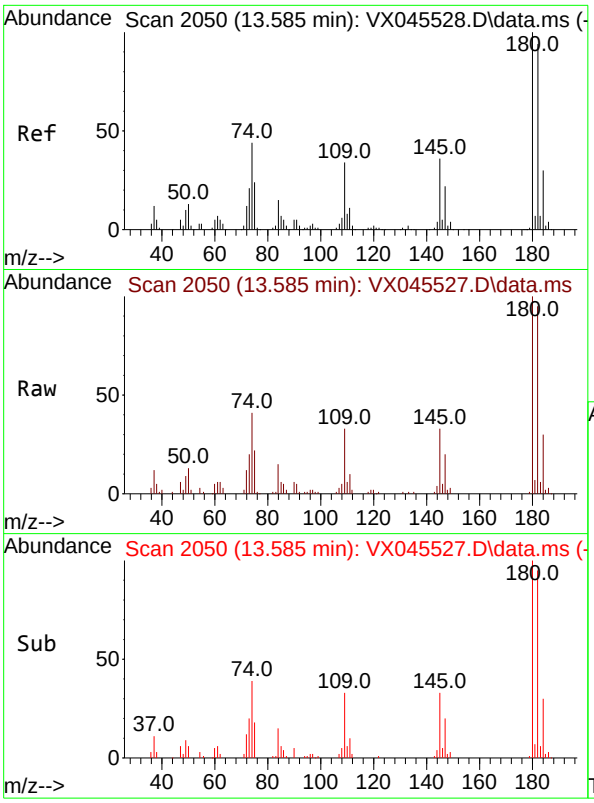


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.203 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 8153

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.7
157	89.1	44.9	134.7

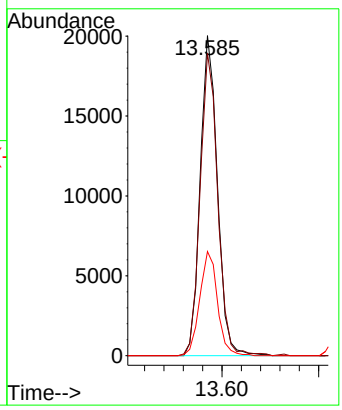




#93
1,2,4-Trichlorobenzene
Concen: 20.347 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:180 Resp: 2478

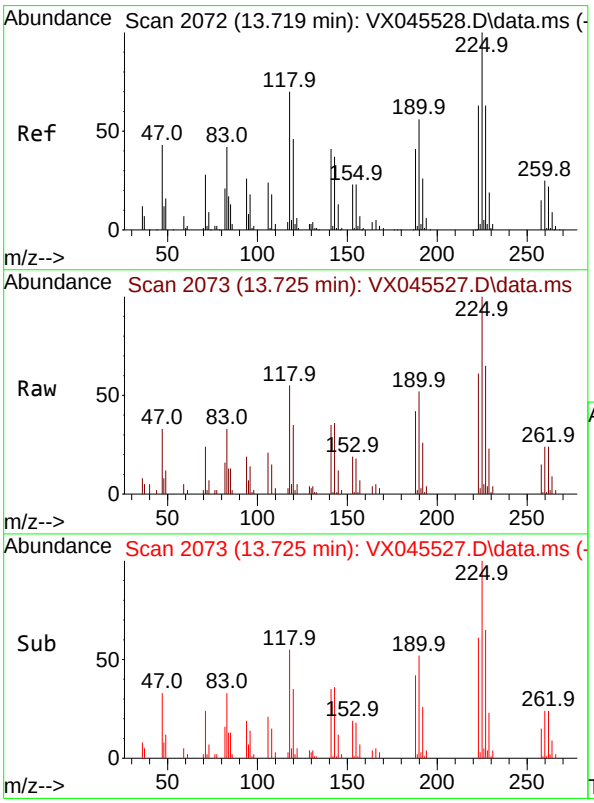
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	33.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

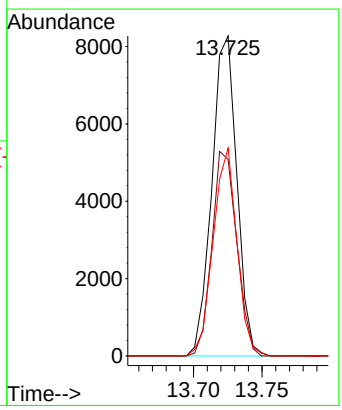
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

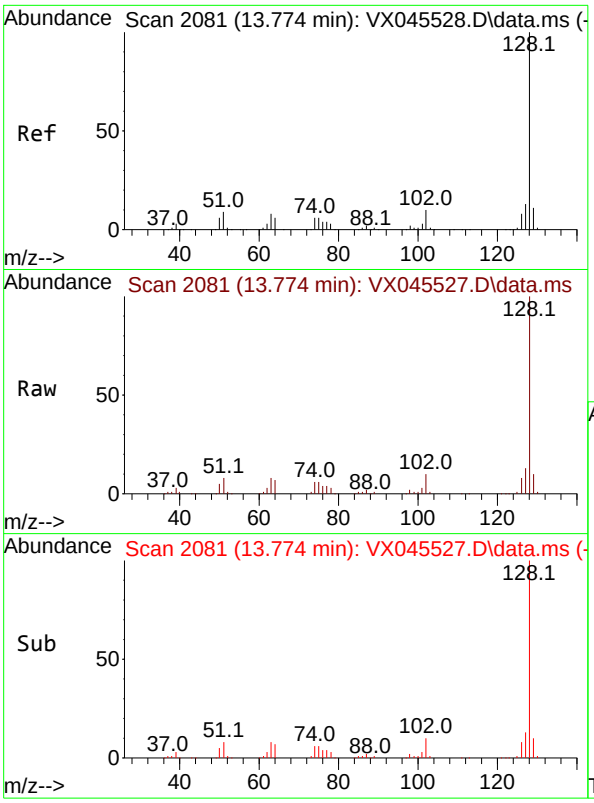


#94
Hexachlorobutadiene
Concen: 19.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:225 Resp: 10488

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	61.6	32.2	96.6





#95
Naphthalene
Concen: 20.928 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

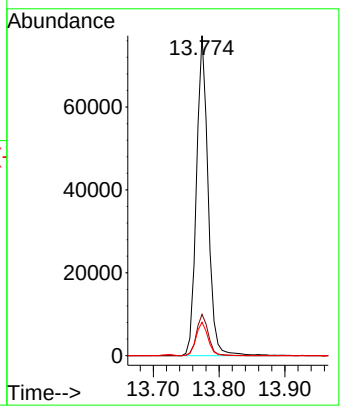
Tgt Ion:128 Resp: 9487

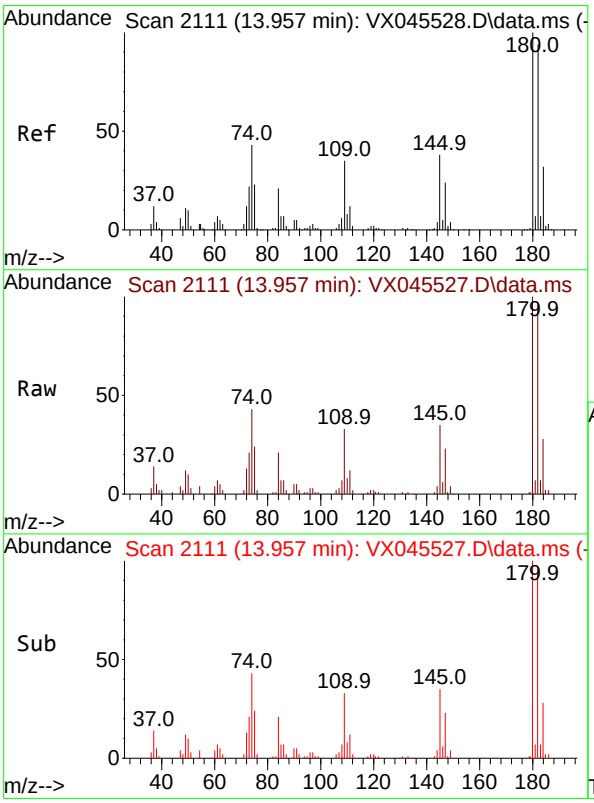
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

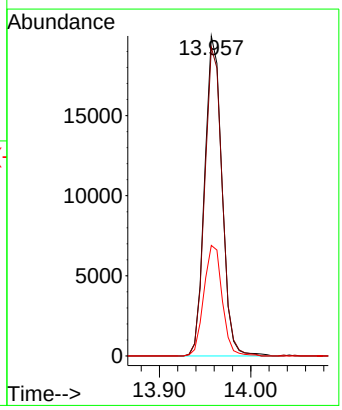




#96
1,2,3-Trichlorobenzene
Concen: 20.471 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:180 Resp: 26113

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	36.7	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	95658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83054	47.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.960%			
35) Dibromofluoromethane	5.379	113	58108	48.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	8.647	98	204338	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	76190	50.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78444	54.834	ug/l	100
3) Chloromethane	1.307	50	75032	51.054	ug/l	100
4) Vinyl Chloride	1.374	62	68516	50.942	ug/l	100
5) Bromomethane	1.593	94	31584	49.526	ug/l	100
6) Chloroethane	1.666	64	38112	53.409	ug/l	100
7) Trichlorofluoromethane	1.874	101	103888	51.798	ug/l	100
8) Diethyl Ether	2.136	74	33953	50.424	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	59431	50.569	ug/l	100
10) Methyl Iodide	2.447	142	76404	52.121	ug/l	100
11) Tert butyl alcohol	2.977	59	60610	257.809	ug/l	100
12) 1,1-Dichloroethene	2.313	96	57738	50.278	ug/l	100
13) Acrolein	2.239	56	79989	247.074	ug/l	100
14) Allyl chloride	2.660	41	112085	51.441	ug/l	100
15) Acrylonitrile	3.062	53	194445	262.015	ug/l	100
16) Acetone	2.386	43	180563	251.366	ug/l	100
17) Carbon Disulfide	2.508	76	148601	52.393	ug/l	100
18) Methyl Acetate	2.703	43	82000	49.581	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	202582	50.429	ug/l	100
20) Methylene Chloride	2.782	84	67855	50.457	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59696	50.882	ug/l	100
22) Diisopropyl ether	3.764	45	219374	51.111	ug/l	100
23) Vinyl Acetate	3.721	43	998064	269.139	ug/l	100
24) 1,1-Dichloroethane	3.605	63	121348	49.992	ug/l	100
25) 2-Butanone	4.556	43	280076	266.363	ug/l	100
26) 2,2-Dichloropropane	4.471	77	81054	51.683	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71871	50.282	ug/l	100
28) Bromochloromethane	4.897	49	57046	48.632	ug/l	100
29) Tetrahydrofuran	5.001	42	177402	260.230	ug/l	100
30) Chloroform	5.086	83	125797	50.366	ug/l	100
31) Cyclohexane	5.464	56	107407	50.052	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	106062	50.184	ug/l	100
36) 1,1-Dichloropropene	5.684	75	81607	50.620	ug/l	100
37) Ethyl Acetate	4.715	43	104896	51.632	ug/l	100
38) Carbon Tetrachloride	5.672	117	90247	51.797	ug/l	100
39) Methylcyclohexane	7.373	83	104678	52.970	ug/l	100
40) Benzene	6.031	78	249161	50.605	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	59068	54.623	ug/l		100
42) 1,2-Dichloroethane	6.080	62	104601	51.437	ug/l		100
43) Isopropyl Acetate	6.336	43	164588	53.452	ug/l		100
44) Trichloroethene	7.123	130	59042	50.452	ug/l		100
45) 1,2-Dichloropropane	7.427	63	63316	51.540	ug/l		100
46) Dibromomethane	7.574	93	49125	52.092	ug/l		100
47) Bromodichloromethane	7.818	83	96176	51.068	ug/l		100
48) Methyl methacrylate	7.690	41	85483	53.768	ug/l		100
49) 1,4-Dioxane	7.659	88	31199	1084.635	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	558029	273.375	ug/l		100
52) Toluene	8.714	92	153143	51.402	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	85462	47.317	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	95524	53.975	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	60452	50.919	ug/l		100
56) Ethyl methacrylate	9.116	69	100998	54.970	ug/l		100
57) 1,3-Dichloropropane	9.305	76	106580	51.554	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	250428	269.434	ug/l		100
59) 2-Hexanone	9.427	43	413824	273.765	ug/l		100
60) Dibromochloromethane	9.519	129	69258	53.511	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62812	52.264	ug/l		100
64) Tetrachloroethene	9.269	164	52155	49.181	ug/l		100
65) Chlorobenzene	10.073	112	162829	50.733	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55974	50.233	ug/l		100
67) Ethyl Benzene	10.189	91	301481	52.447	ug/l		100
68) m/p-Xylenes	10.299	106	218702	104.606	ug/l		100
69) o-Xylene	10.640	106	108028	52.452	ug/l		100
70) Styrene	10.653	104	182620	53.723	ug/l		100
71) Bromoform	10.799	173	44397	53.361	ug/l	#	100
73) Isopropylbenzene	10.957	105	287628	52.203	ug/l		100
74) N-amyl acetate	10.842	43	141589	53.721	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	95200	49.185	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	84279m	50.230	ug/l		
77) Bromobenzene	11.195	156	64527	50.686	ug/l		100
78) n-propylbenzene	11.299	91	336796	53.069	ug/l		100
79) 2-Chlorotoluene	11.360	91	203994	50.279	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241536	53.013	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25488	51.556	ug/l		100
82) 4-Chlorotoluene	11.451	91	237213	52.439	ug/l		100
83) tert-Butylbenzene	11.713	119	235715	52.256	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	242301	52.986	ug/l		100
85) sec-Butylbenzene	11.890	105	295799	53.391	ug/l		100
86) p-Isopropyltoluene	12.006	119	242416	53.073	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	116890	50.441	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	117164	49.871	ug/l		100
89) n-Butylbenzene	12.329	91	217345	54.874	ug/l		100
90) Hexachloroethane	12.536	117	41095	52.352	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115426	50.099	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21712	53.638	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65145	50.797	ug/l		100
94) Hexachlorobutadiene	13.719	225	27795	50.296	ug/l		100
95) Naphthalene	13.774	128	256009	53.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68781	51.219	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

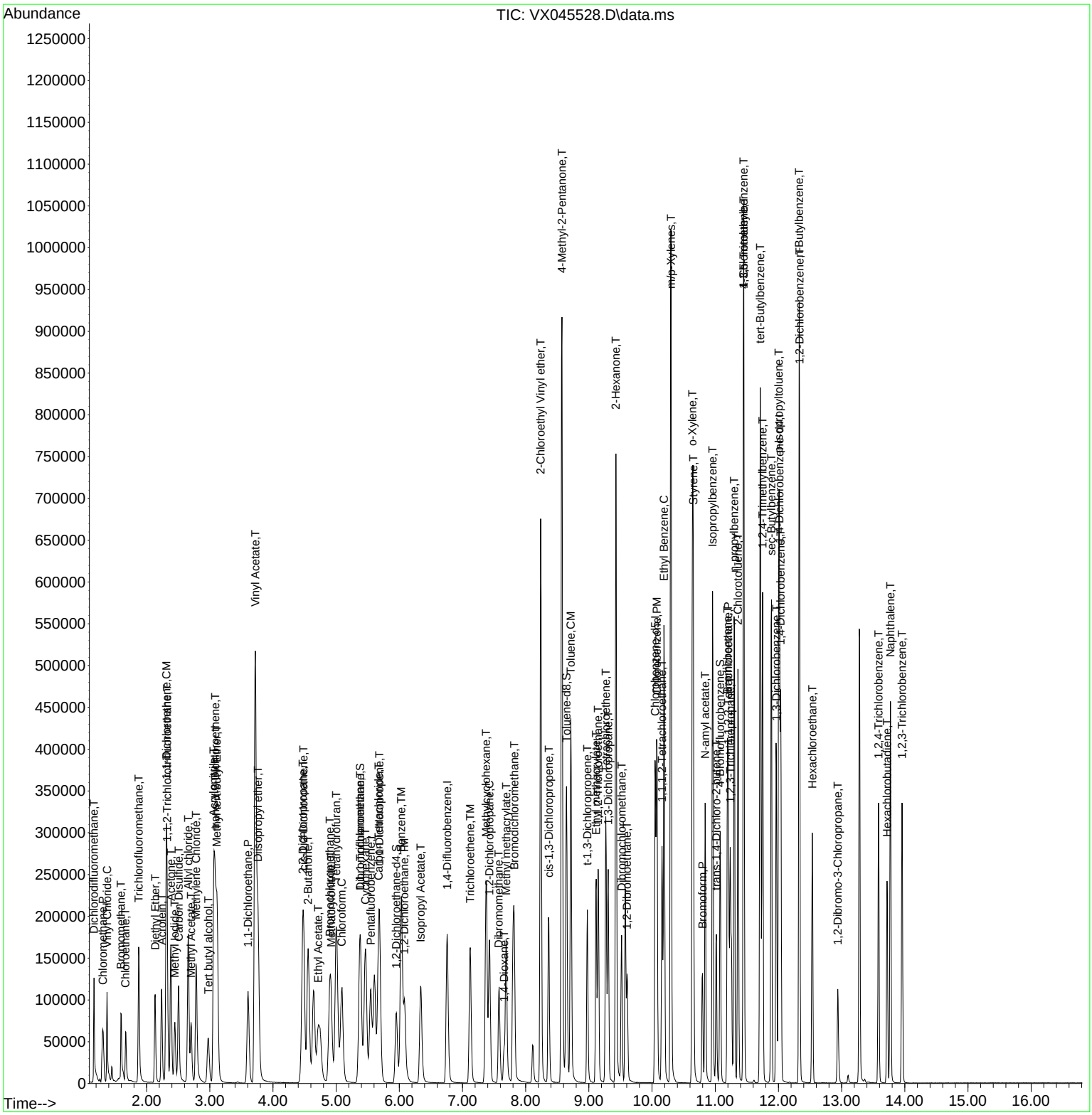
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Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

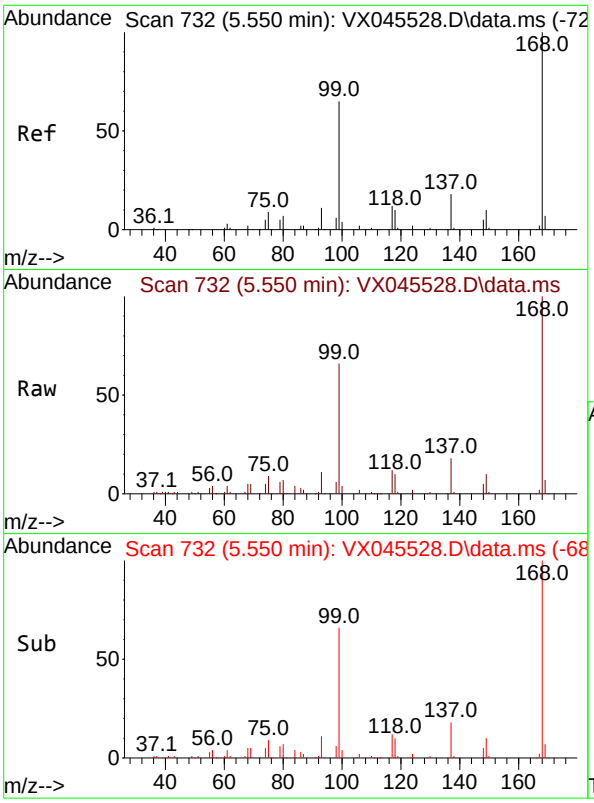
Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

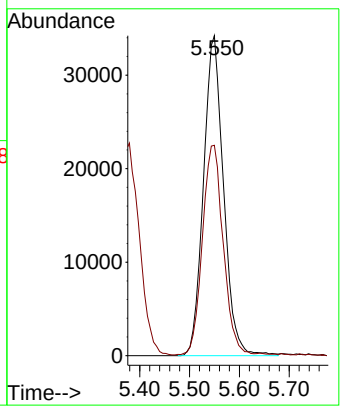




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:168 Resp: 9565

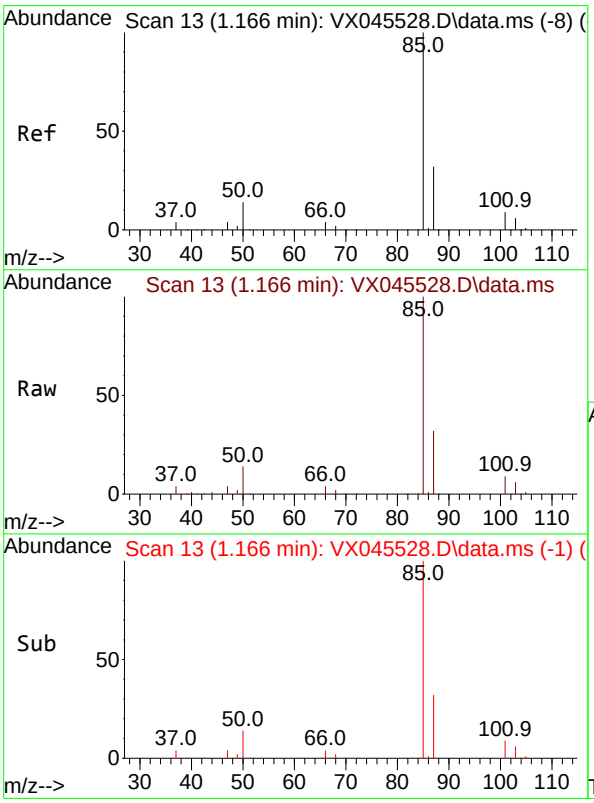
Ion	Ratio	Lower	Upper
168	100		
99	65.4	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

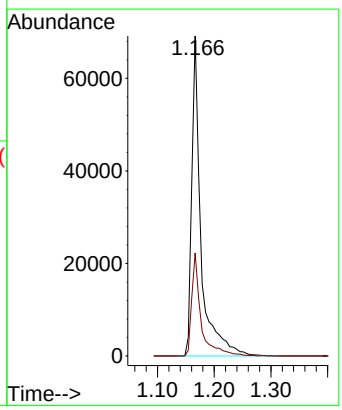
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

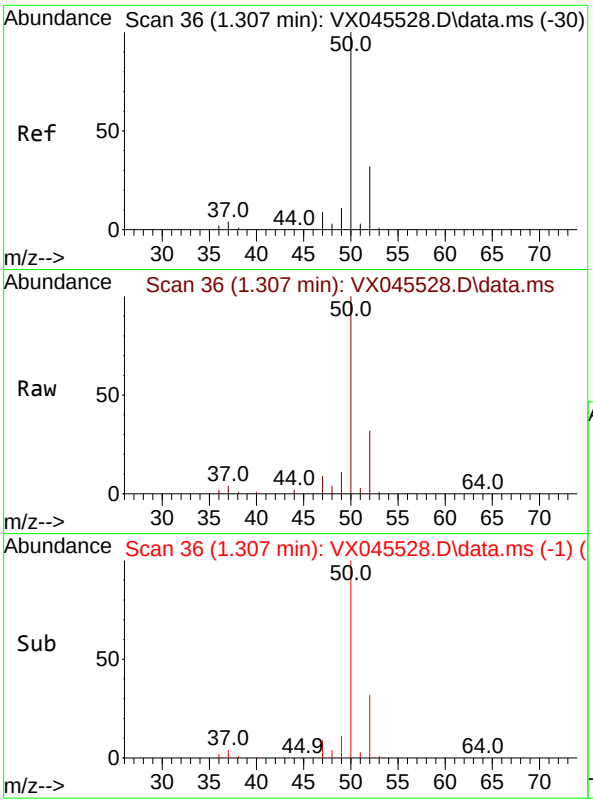


#2
Dichlorodifluoromethane
Concen: 54.834 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 85 Resp: 78444

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2

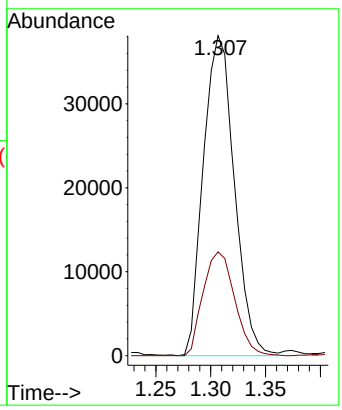




#3
Chloromethane
Concen: 51.054 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 50 Resp: 7503

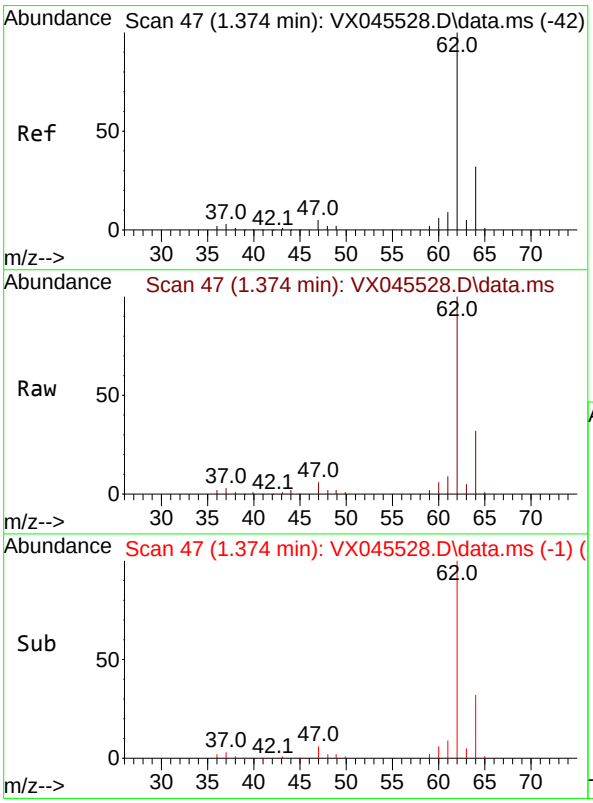
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

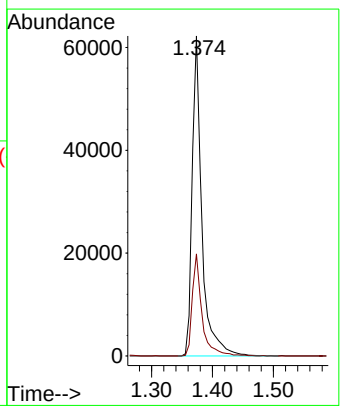
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

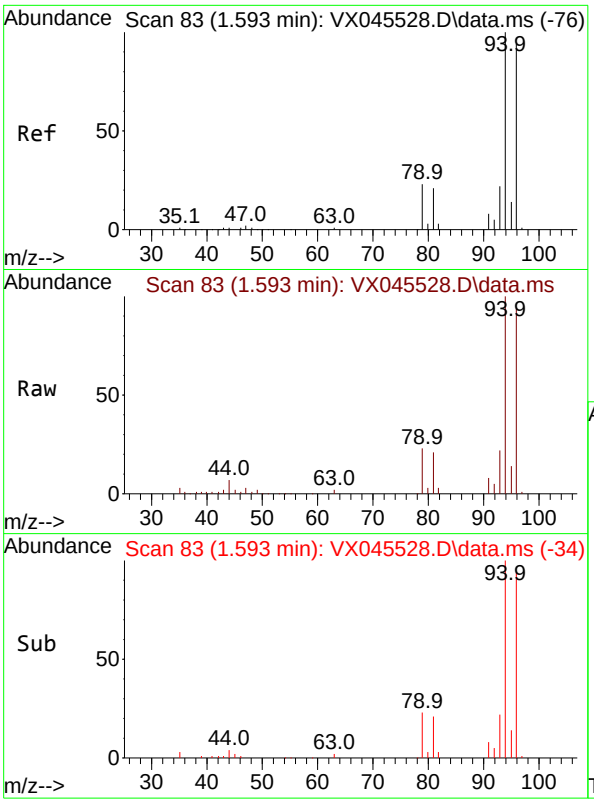


#4
Vinyl Chloride
Concen: 50.942 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 68516

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

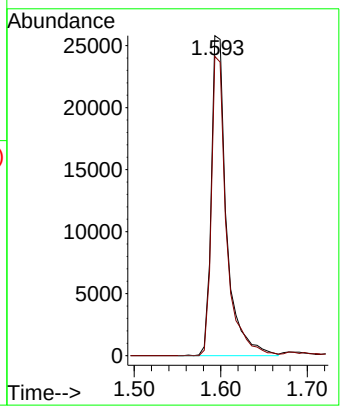




#5
Bromomethane
Concen: 49.526 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 94 Resp: 3158

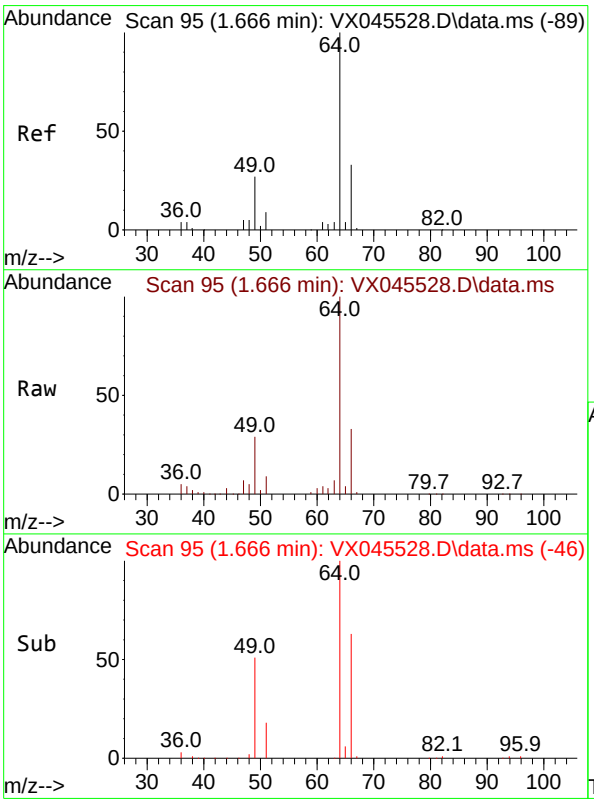
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

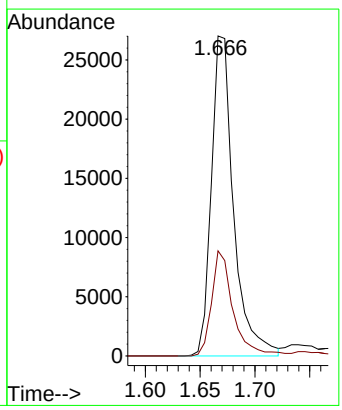
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

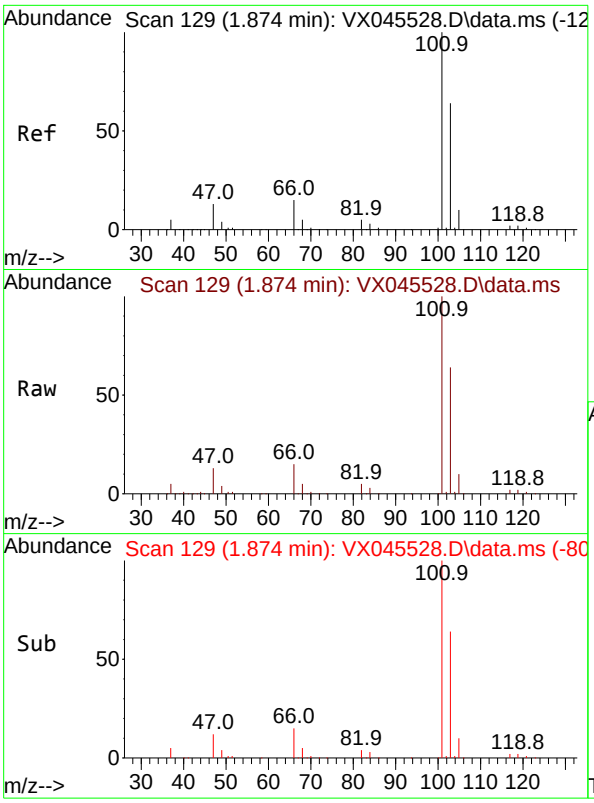


#6
Chloroethane
Concen: 53.409 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 64 Resp: 38112

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.3	39.5

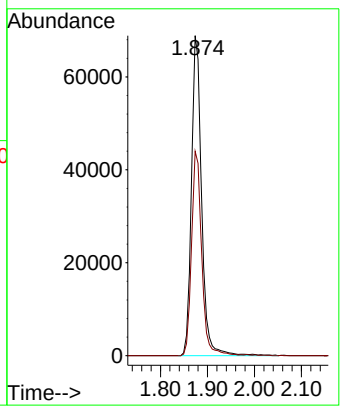




#7
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:101 Resp: 10388

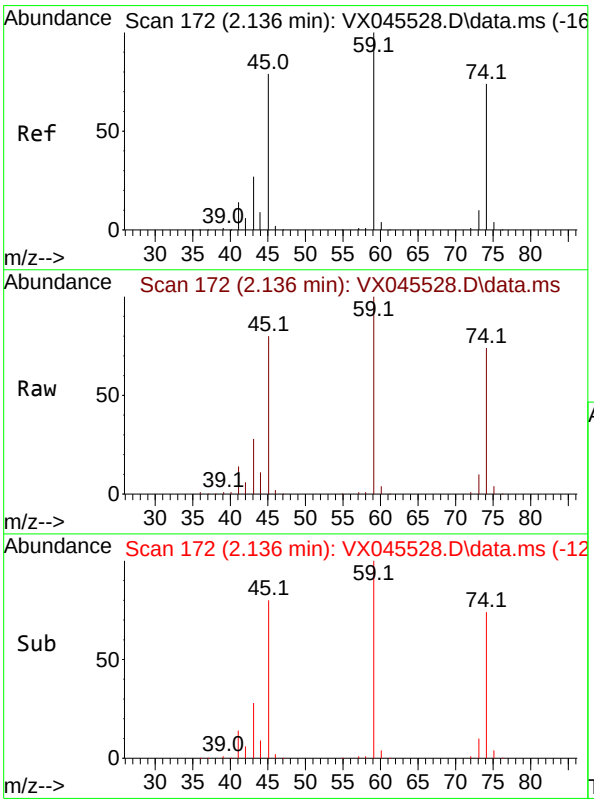
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

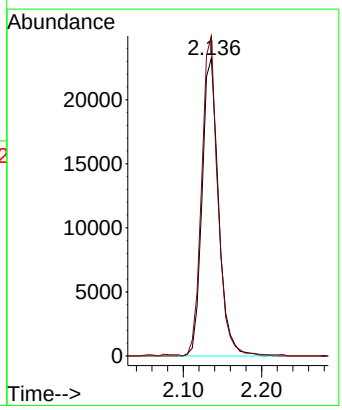
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

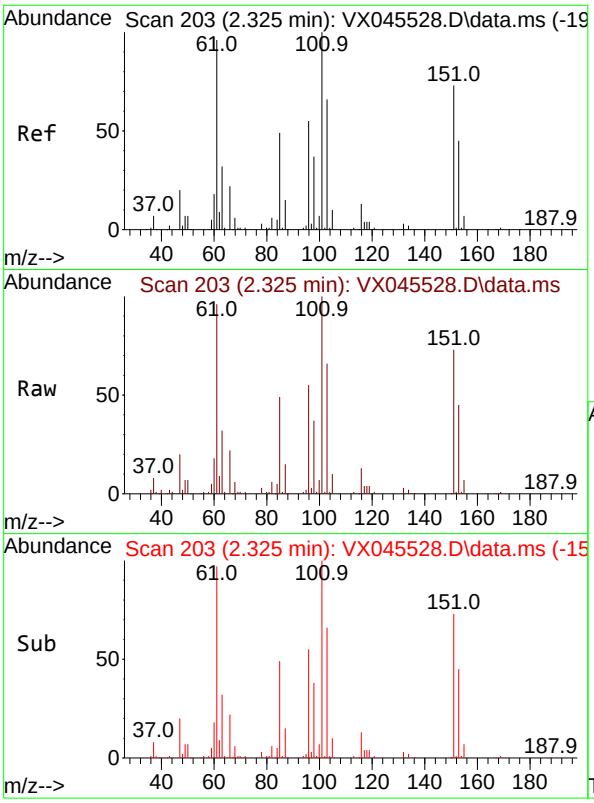


#8
Diethyl Ether
Concen: 50.424 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 74 Resp: 33953

Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.0	159.1

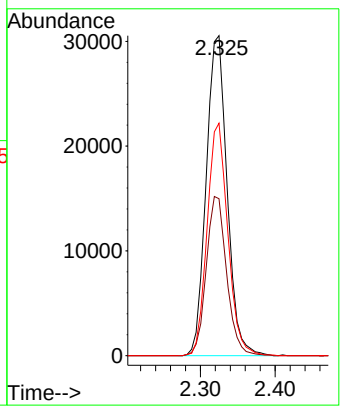




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.569 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:101 Resp: 5943

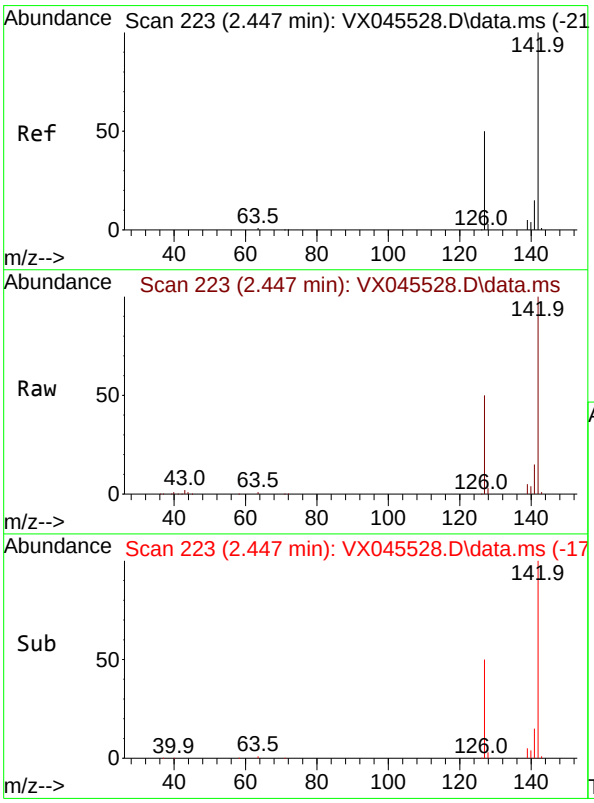
Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.9	58.3
151	71.9	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

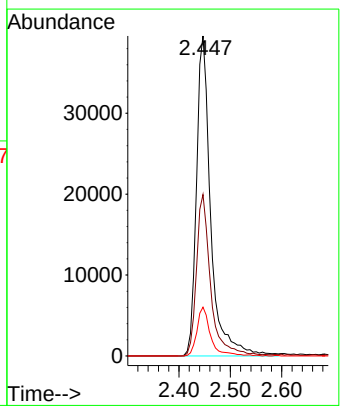
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

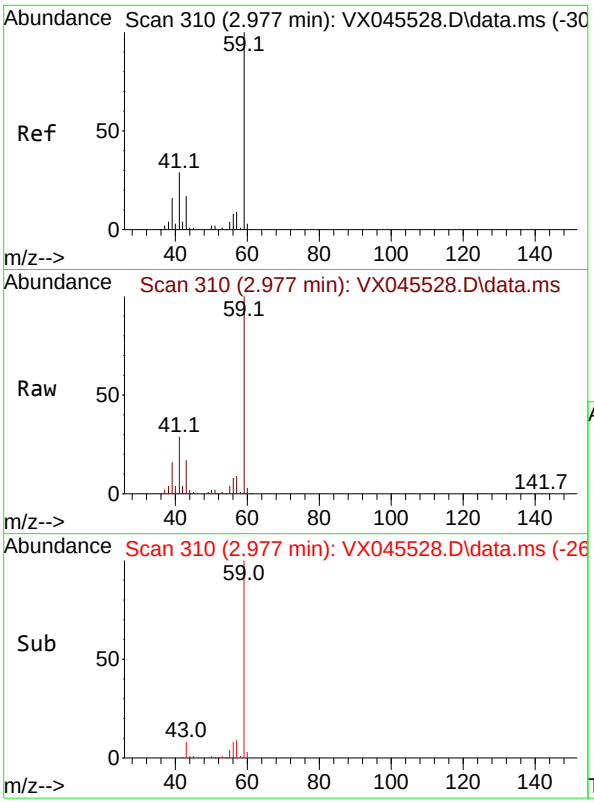


#10
Methyl Iodide
Concen: 52.121 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:142 Resp: 76404

Ion	Ratio	Lower	Upper
142	100		
127	50.3	40.2	60.4
141	14.6	11.7	17.5





#11
Tert butyl alcohol
Concen: 257.809 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

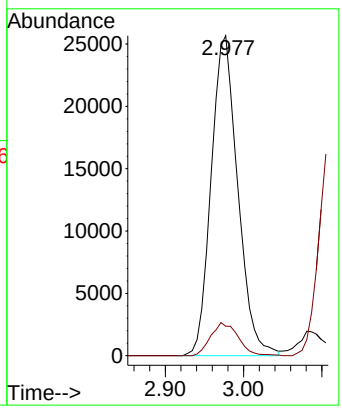
Tgt Ion: 59 Resp: 6061

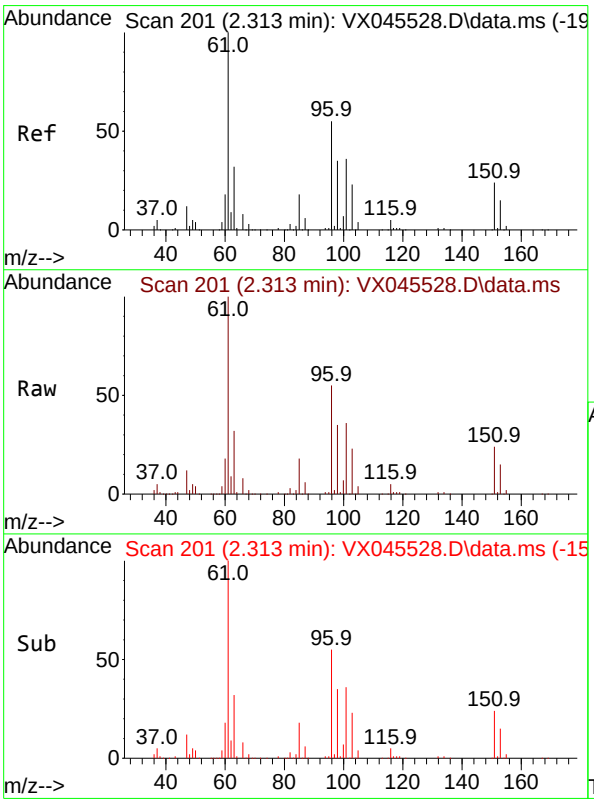
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

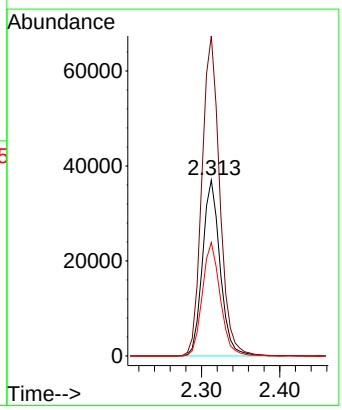


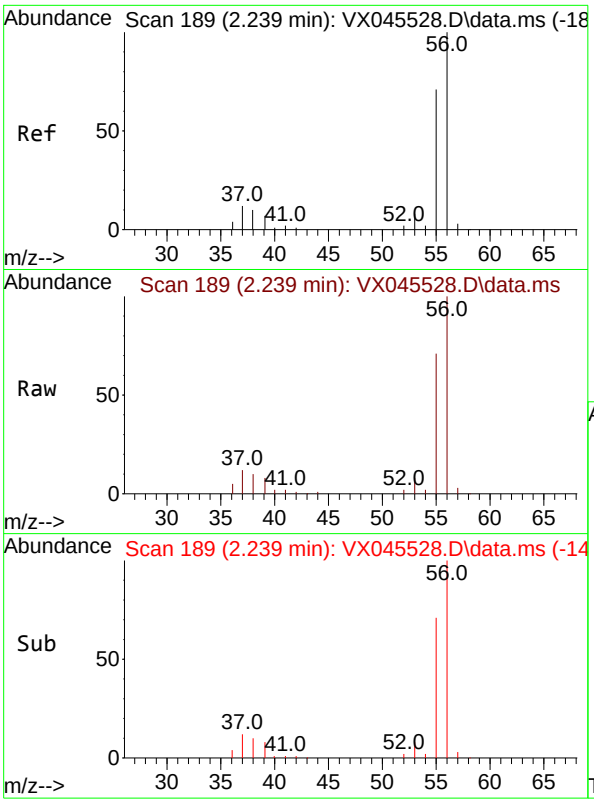


#12
1,1-Dichloroethene
Concen: 50.278 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 57738

Ion	Ratio	Lower	Upper
96	100		
61	182.1	145.7	218.5
98	64.5	51.6	77.4

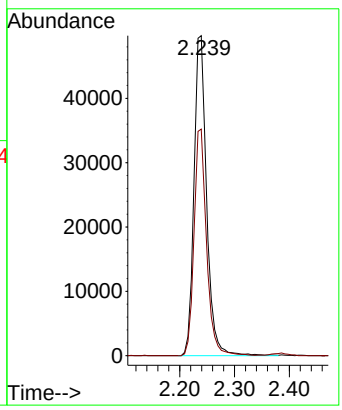




#13
Acrolein
Concen: 247.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 7998

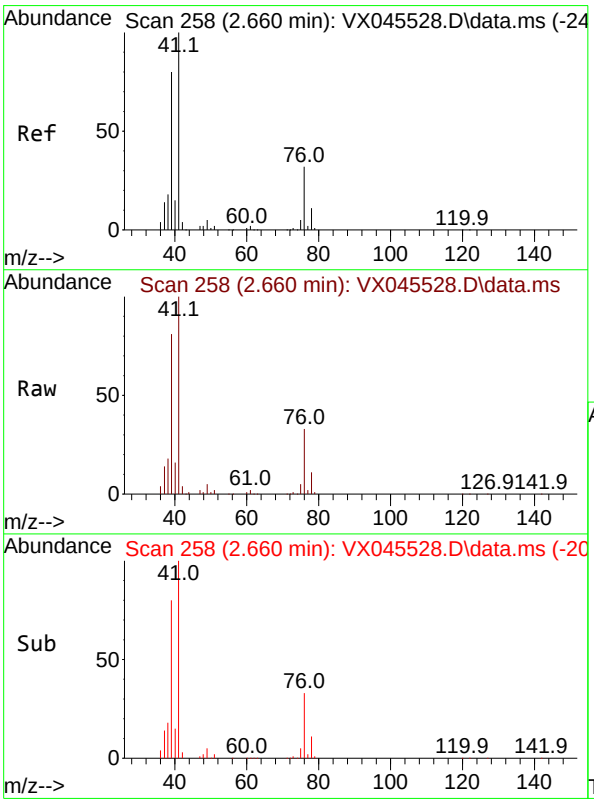
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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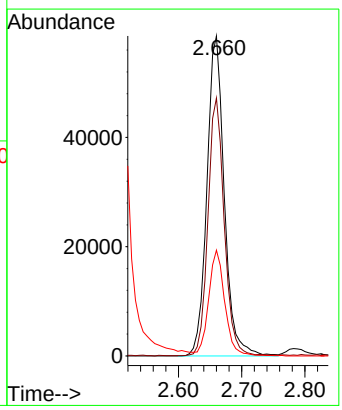
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

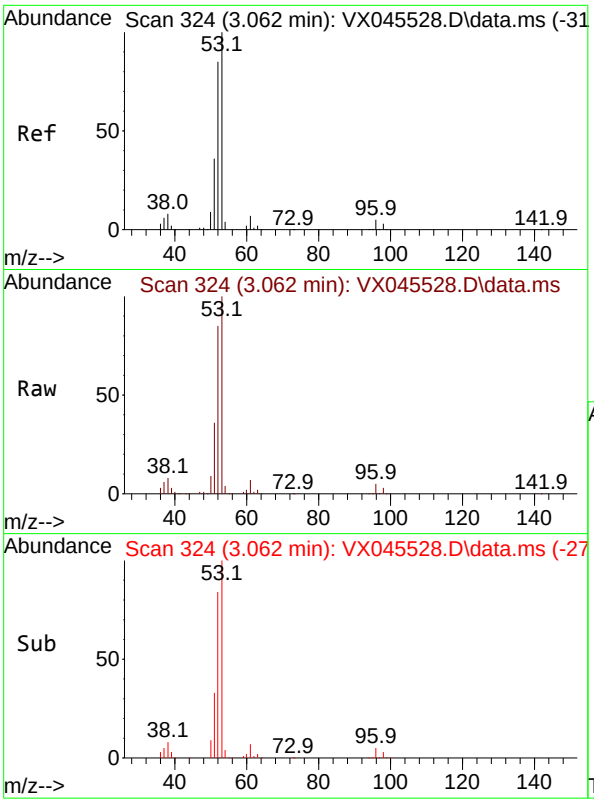


#14
Allyl chloride
Concen: 51.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 112085

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	30.7	24.6	36.8

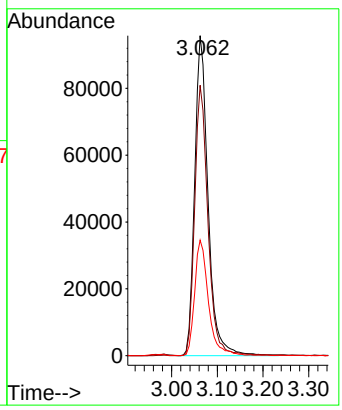




#15
Acrylonitrile
Concen: 262.015 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 53 Resp: 19444

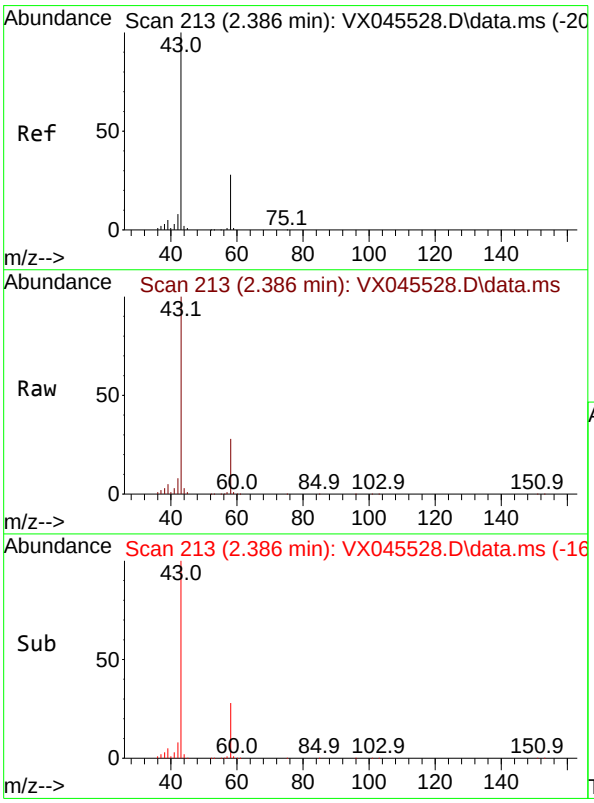
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.4	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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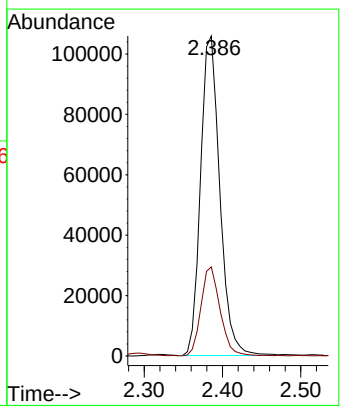
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

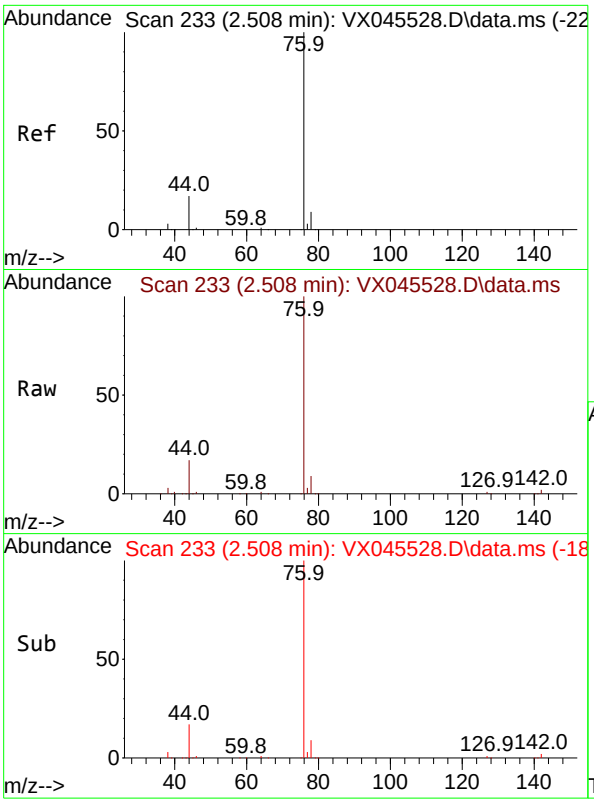


#16
Acetone
Concen: 251.366 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 180563

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





#17
Carbon Disulfide
Concen: 52.393 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

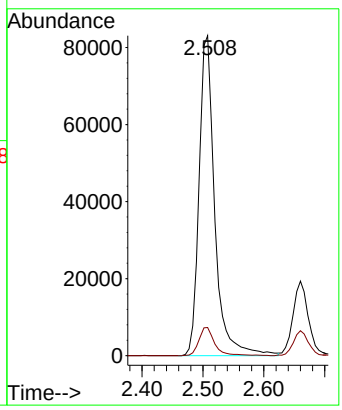
Tgt Ion: 76 Resp: 14860

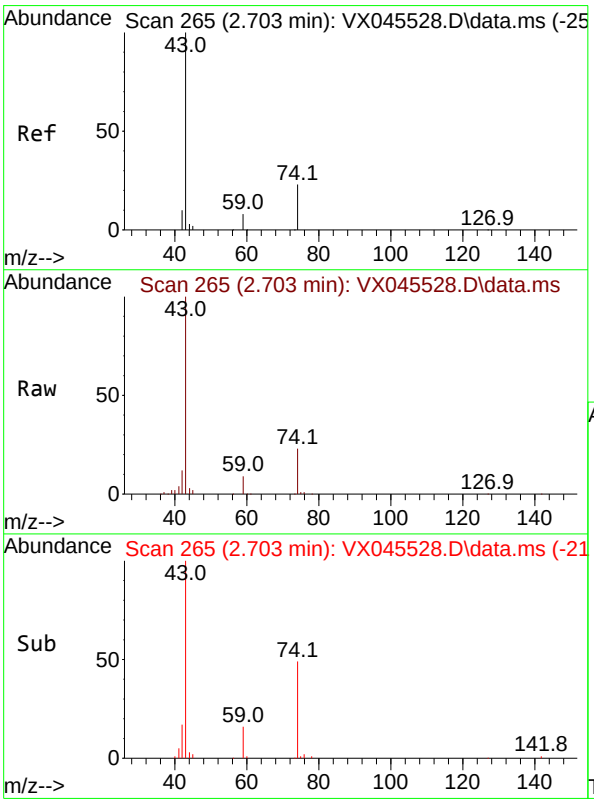
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

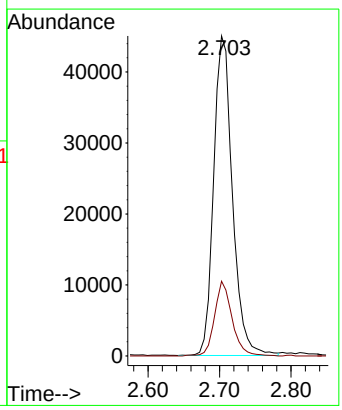


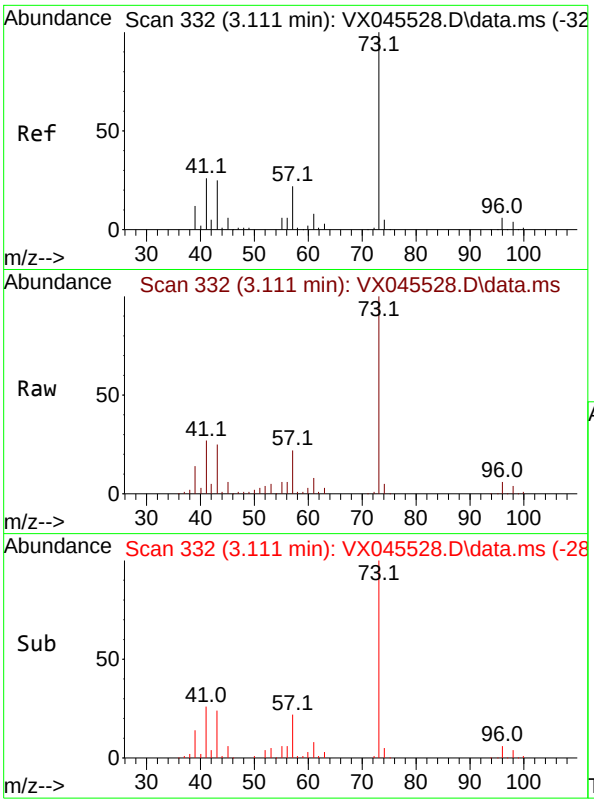


#18
Methyl Acetate
Concen: 49.581 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 82000

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3

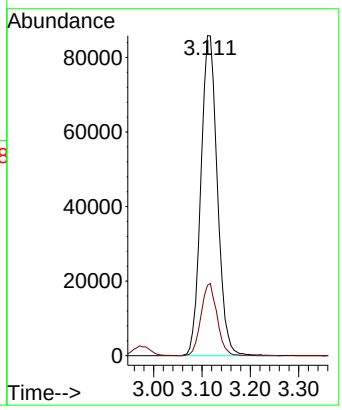




#19
Methyl tert-butyl Ether
Concen: 50.429 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 73 Resp: 20258

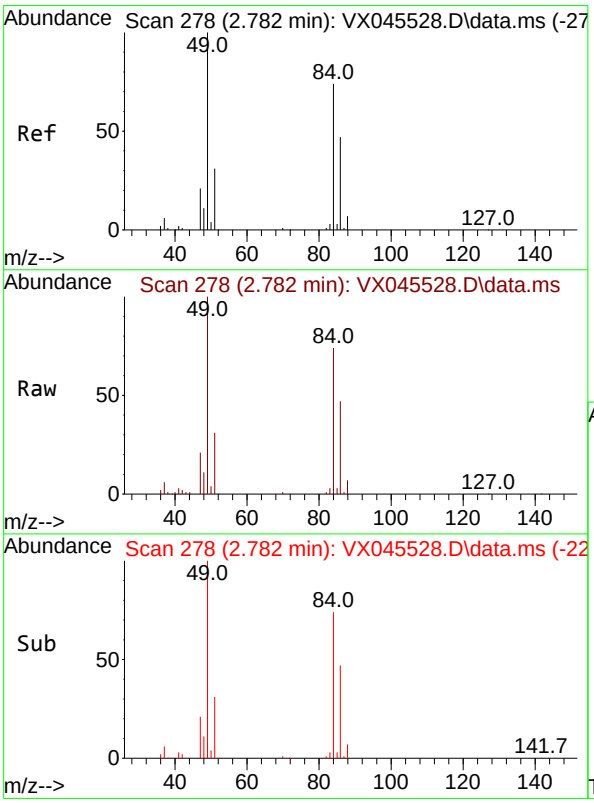
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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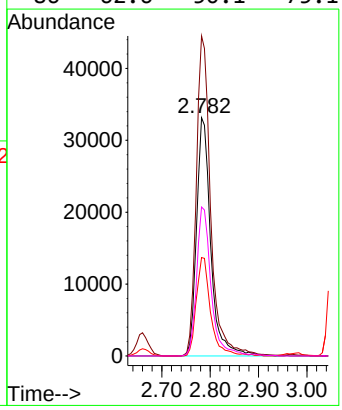
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

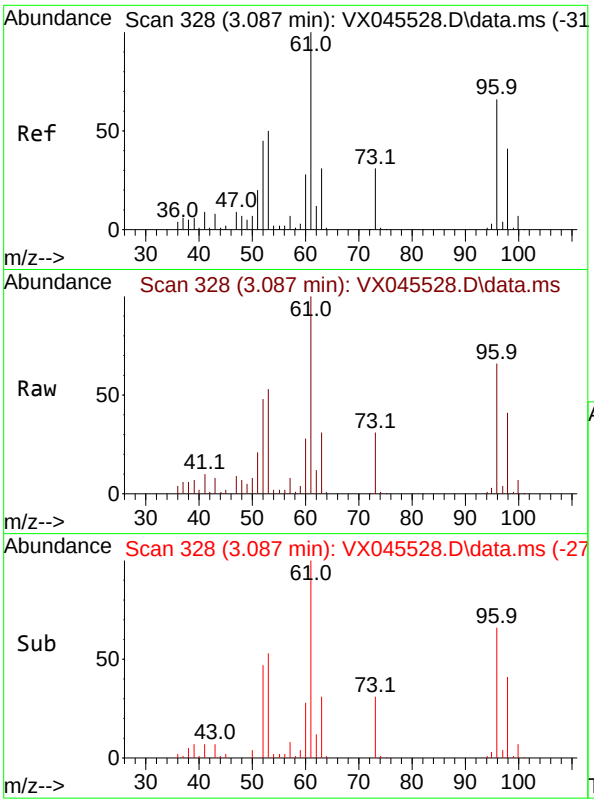


#20
Methylene Chloride
Concen: 50.457 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 84 Resp: 67855

Ion	Ratio	Lower	Upper
84	100		
49	134.4	107.5	161.3
51	41.3	33.0	49.6
86	62.6	50.1	75.1

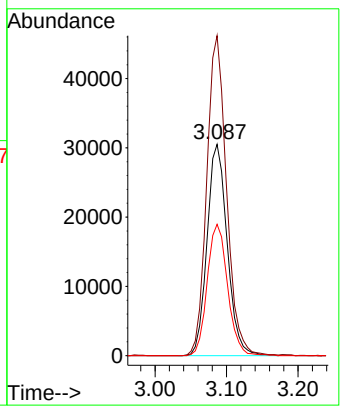




#21
trans-1,2-Dichloroethene
Concen: 50.882 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 5969

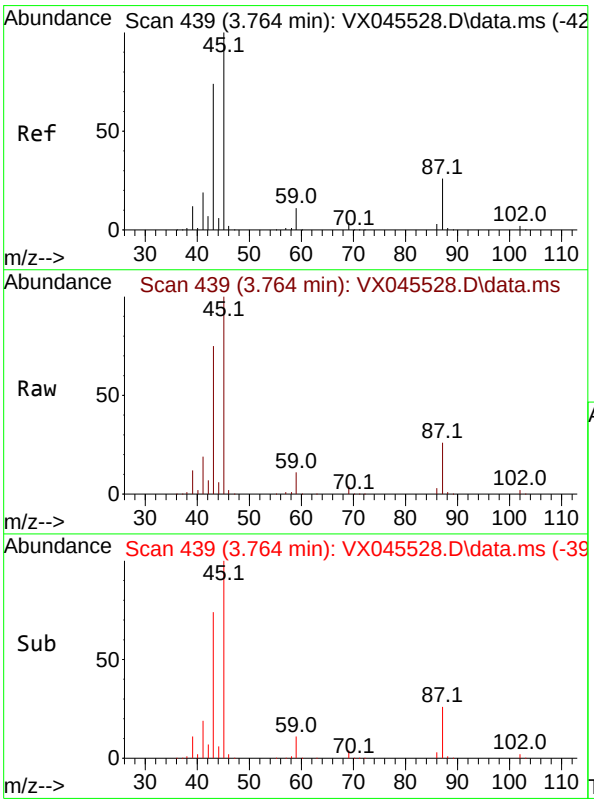
Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.0	181.6
98	62.1	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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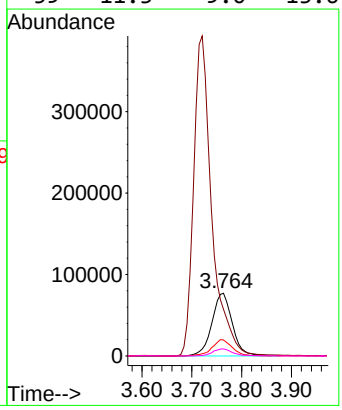
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

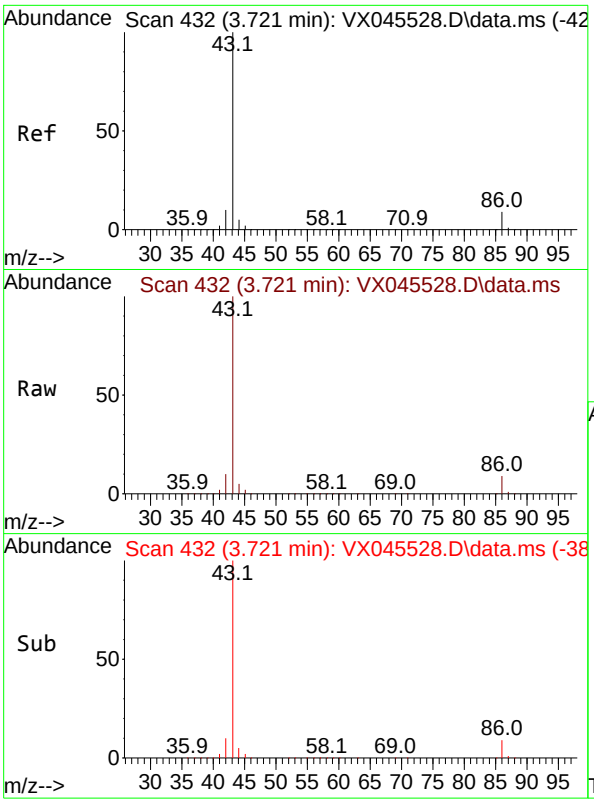


#22
Diisopropyl ether
Concen: 51.111 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 45 Resp: 219374

Ion	Ratio	Lower	Upper
45	100		
43	74.1	59.3	88.9
87	25.5	20.4	30.6
59	11.3	9.0	13.6





#23
Vinyl Acetate
Concen: 269.139 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

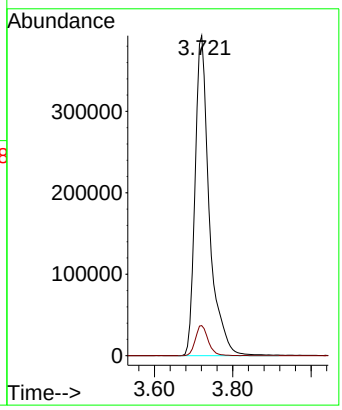
Tgt Ion: 43 Resp: 99806

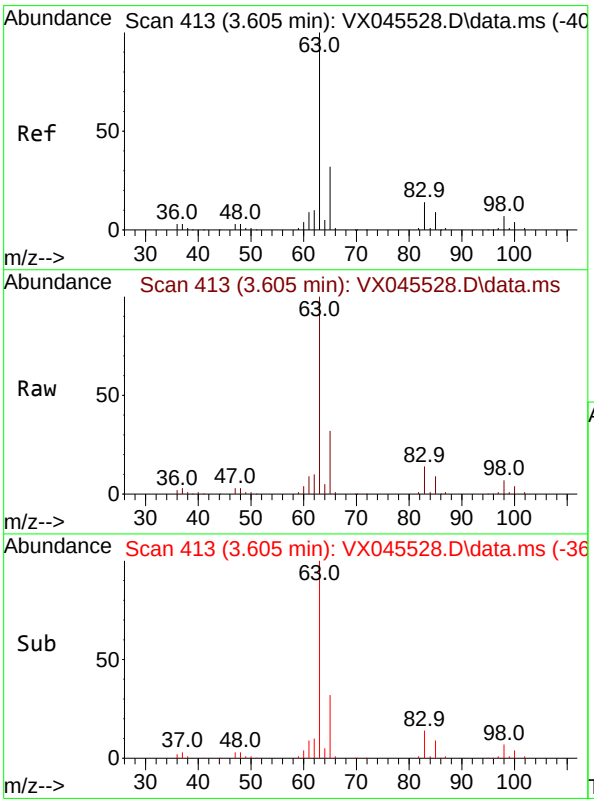
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

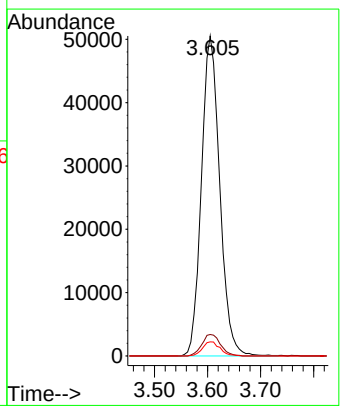


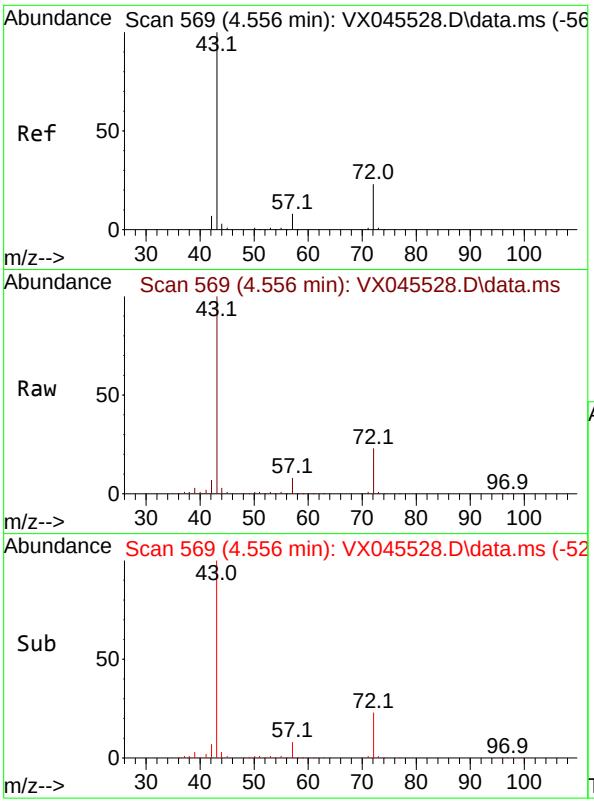


#24
1,1-Dichloroethane
Concen: 49.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 121348

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 266.363 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

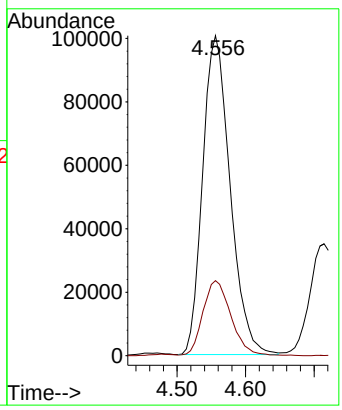
Tgt Ion: 43 Resp: 28007

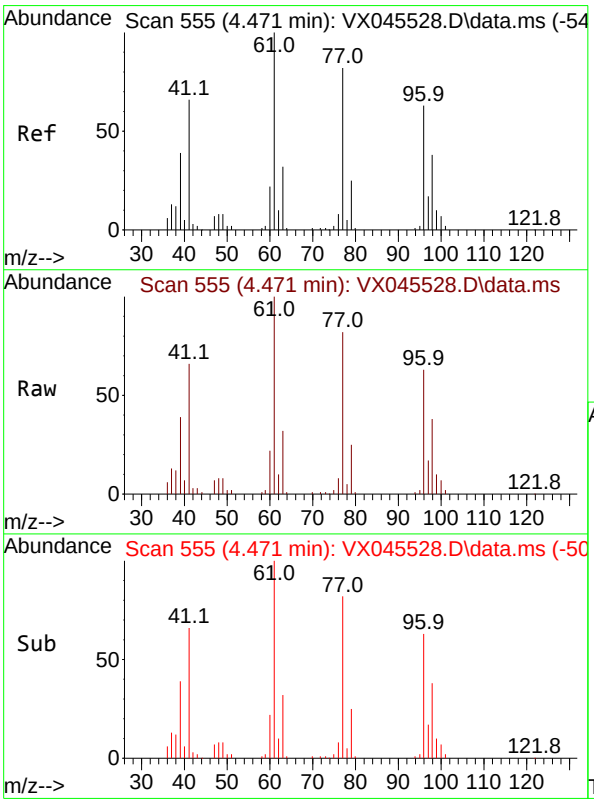
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

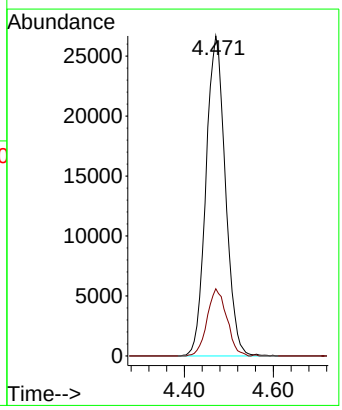


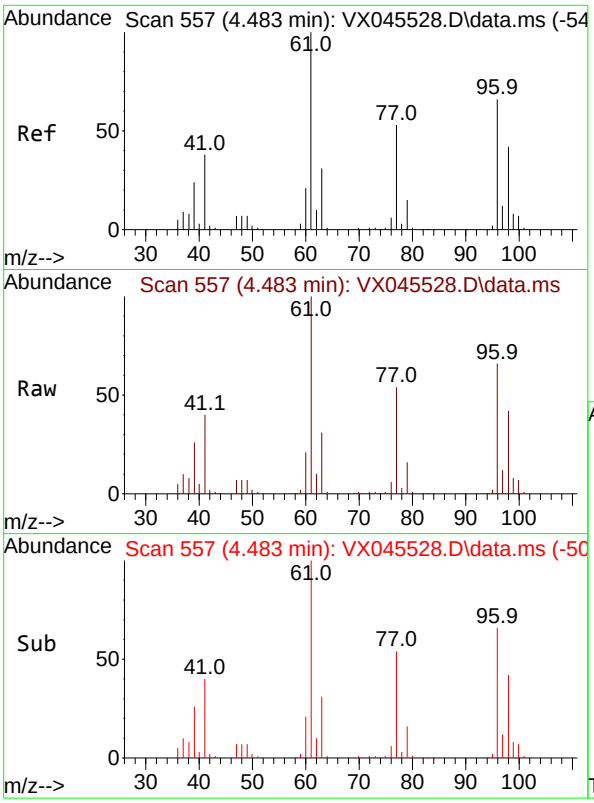


#26
2,2-Dichloropropane
Concen: 51.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 77 Resp: 81054

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

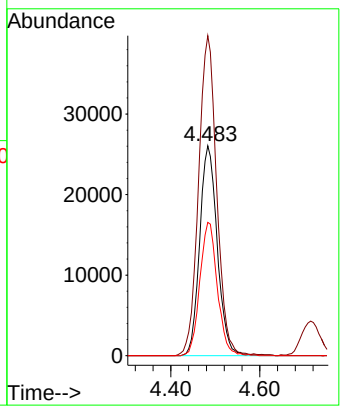




#27
cis-1,2-Dichloroethene
Concen: 50.282 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 7187

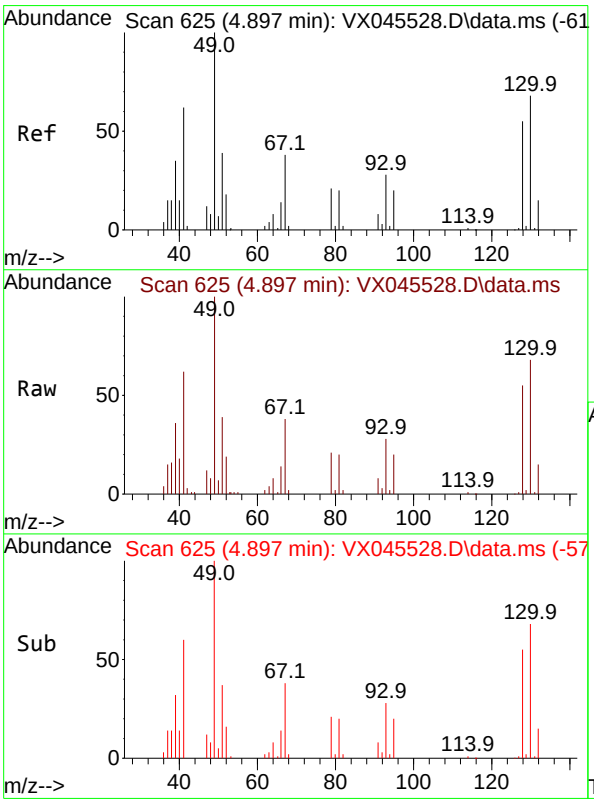
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	313.2
98	63.2	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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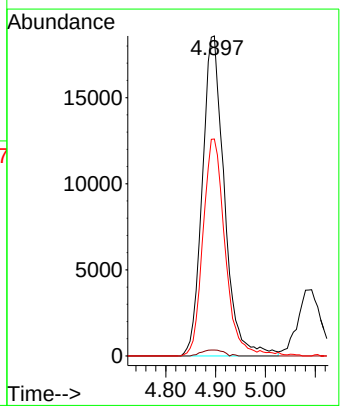
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

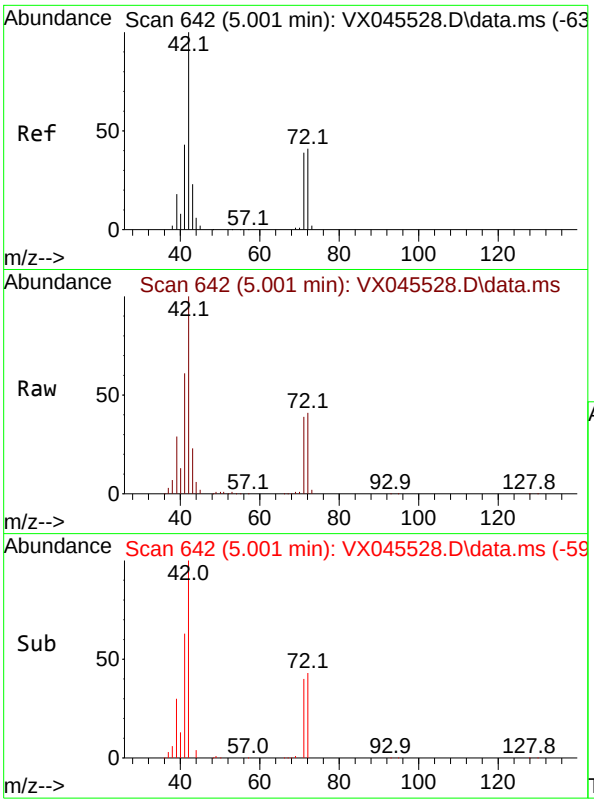


#28
Bromochloromethane
Concen: 48.632 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 49 Resp: 57046

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	68.2	54.6	81.8





#29
Tetrahydrofuran
Concen: 260.230 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

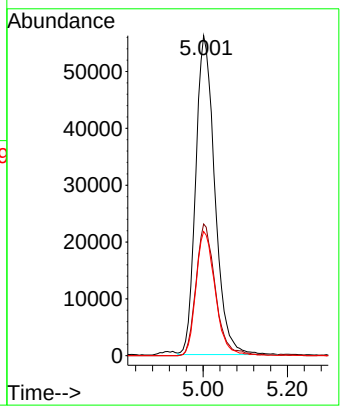
Tgt Ion: 42 Resp: 17740

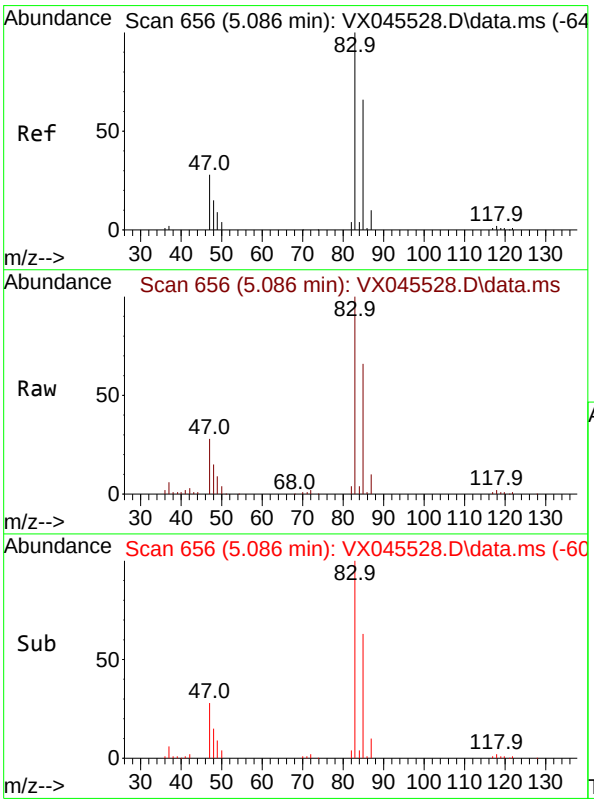
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

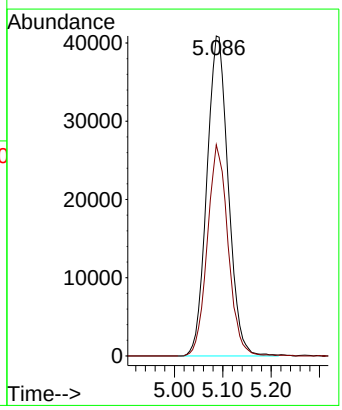


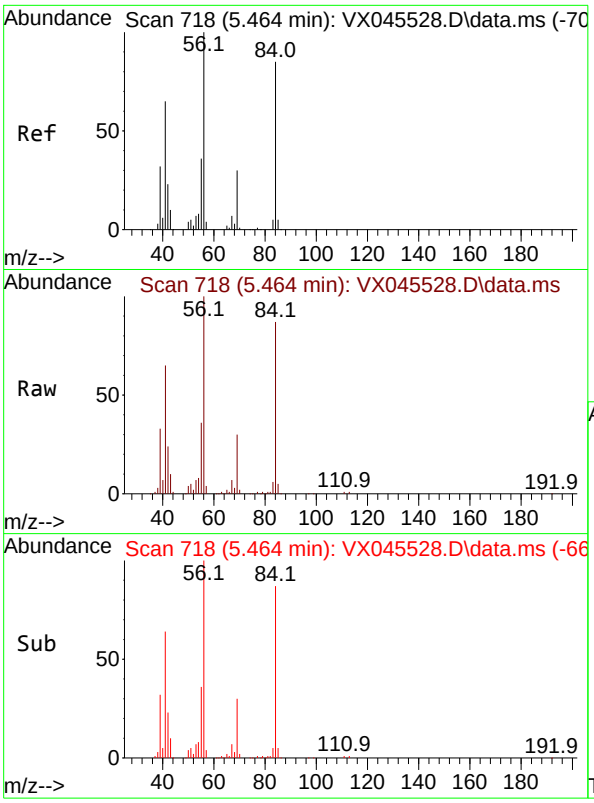


#30
Chloroform
Concen: 50.366 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 125797

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2

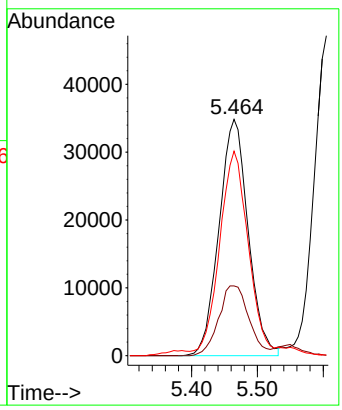




#31
Cyclohexane
Concen: 50.052 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 10740

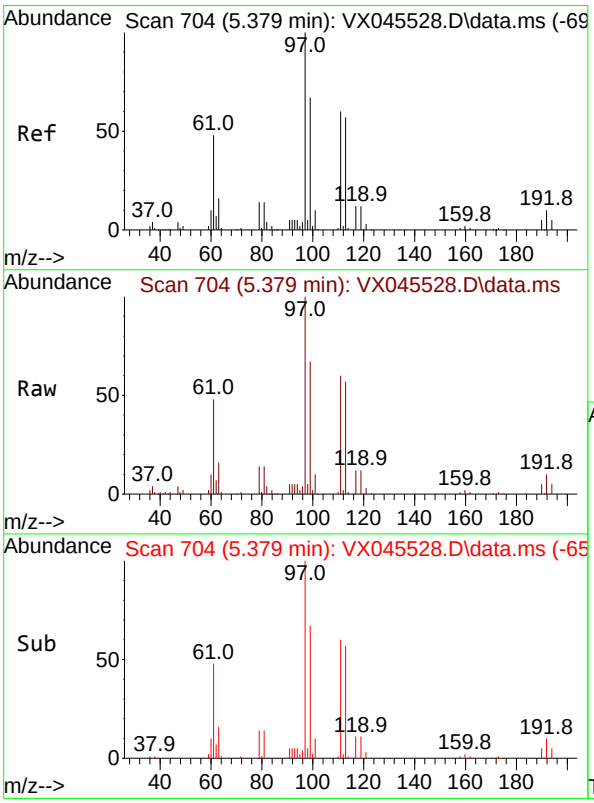
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	84.6	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

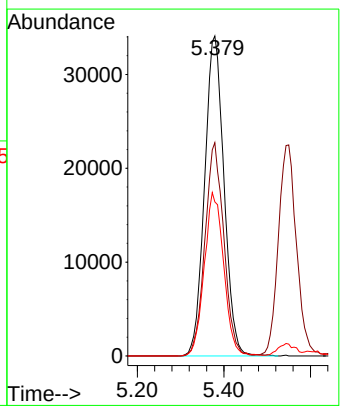
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

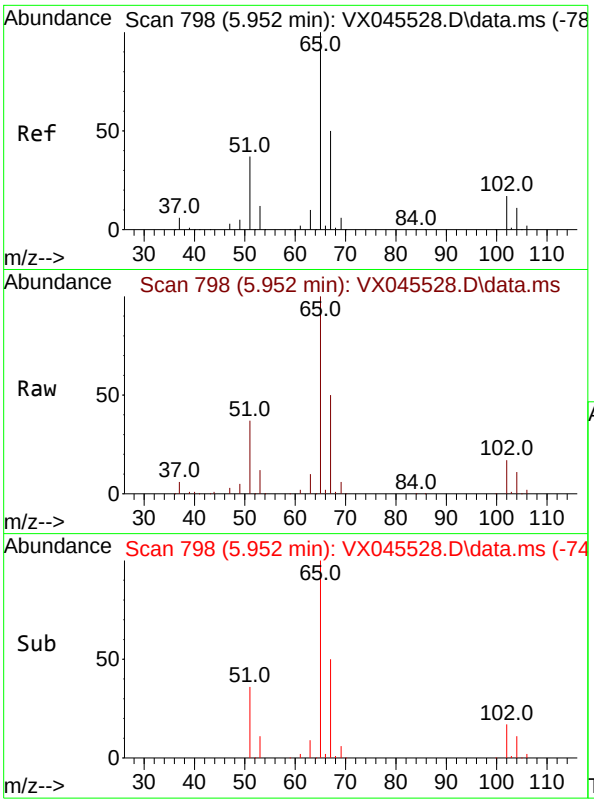


#32
1,1,1-Trichloroethane
Concen: 50.184 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 106062

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	51.2	41.0	61.4

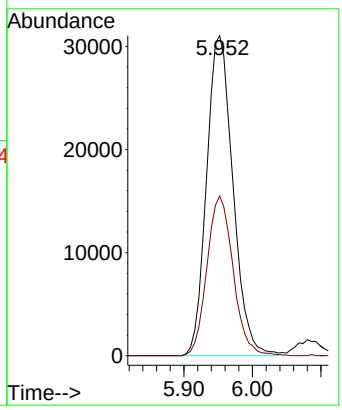




#33
1,2-Dichloroethane-d4
Concen: 47.477 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 65 Resp: 8305

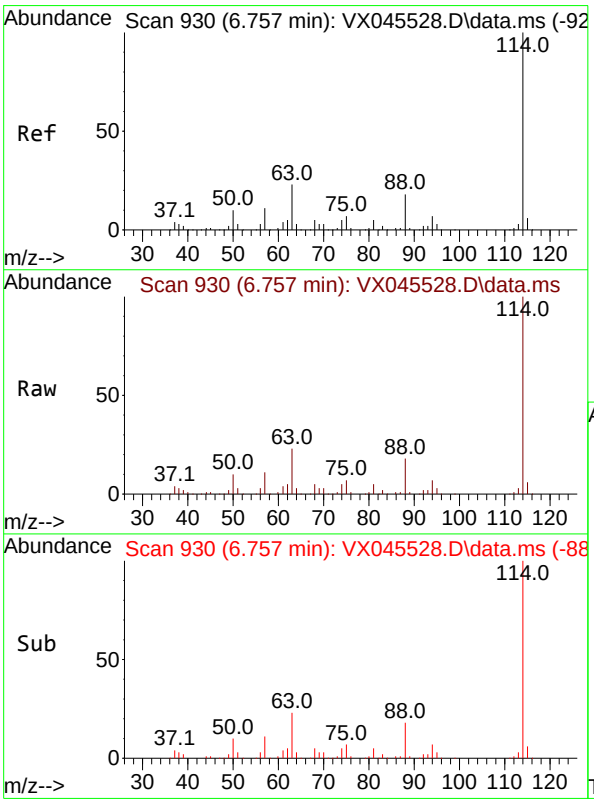
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

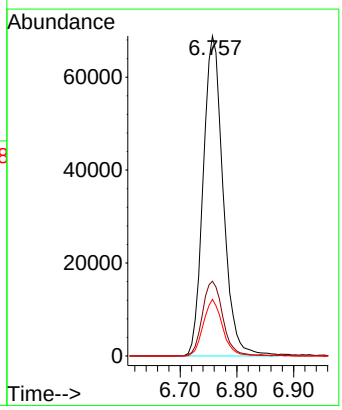
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

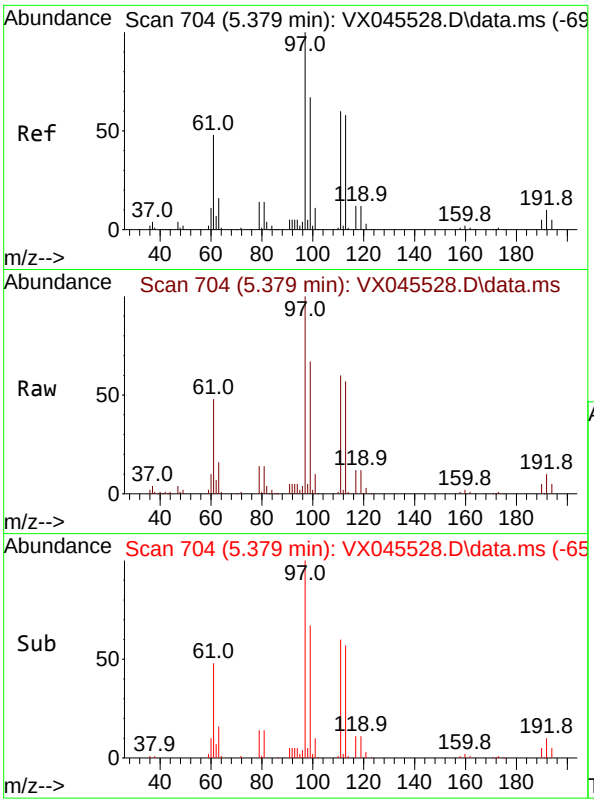


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:114 Resp: 168287

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.8
88	17.7	0.0	35.4

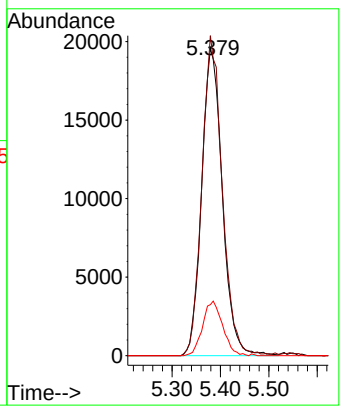




#35
Dibromofluoromethane
Concen: 48.667 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:113 Resp: 5810

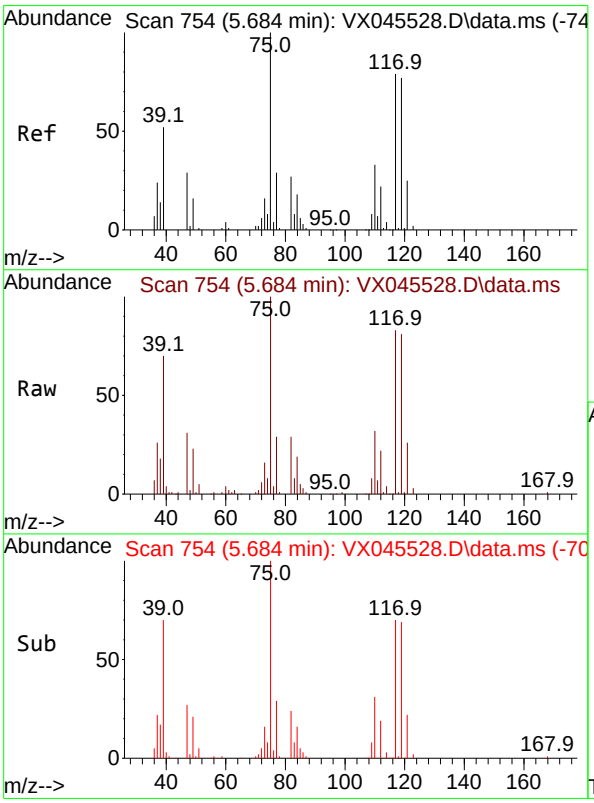
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

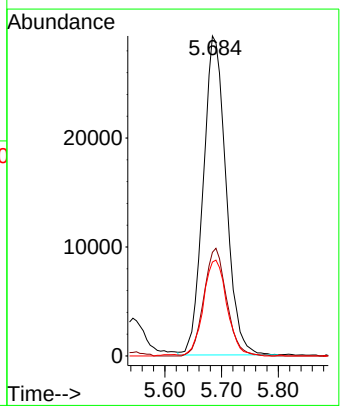
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

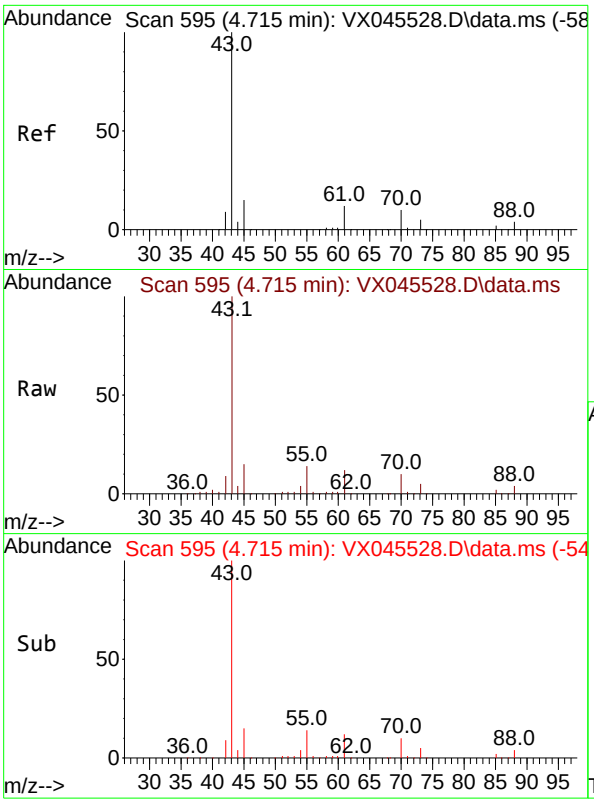


#36
1,1-Dichloropropene
Concen: 50.620 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 81607

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.2	25.0	37.4

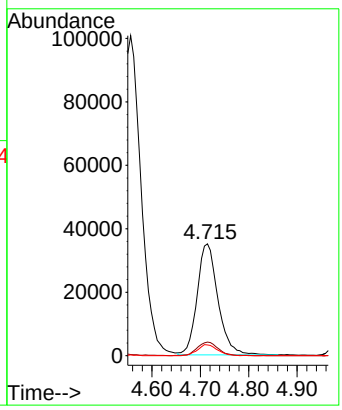




#37
Ethyl Acetate
Concen: 51.632 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 10489

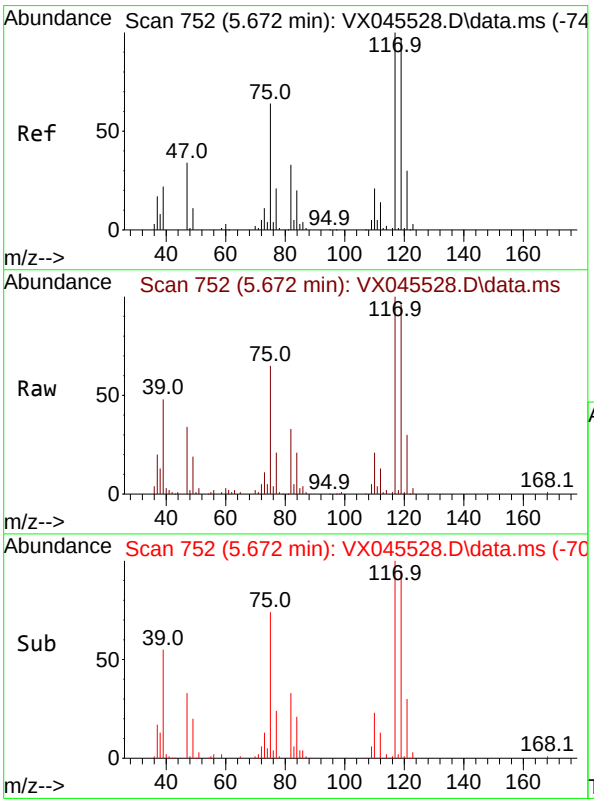
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

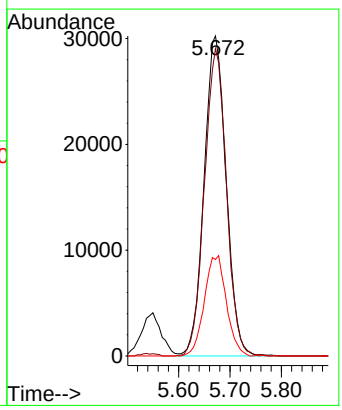
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

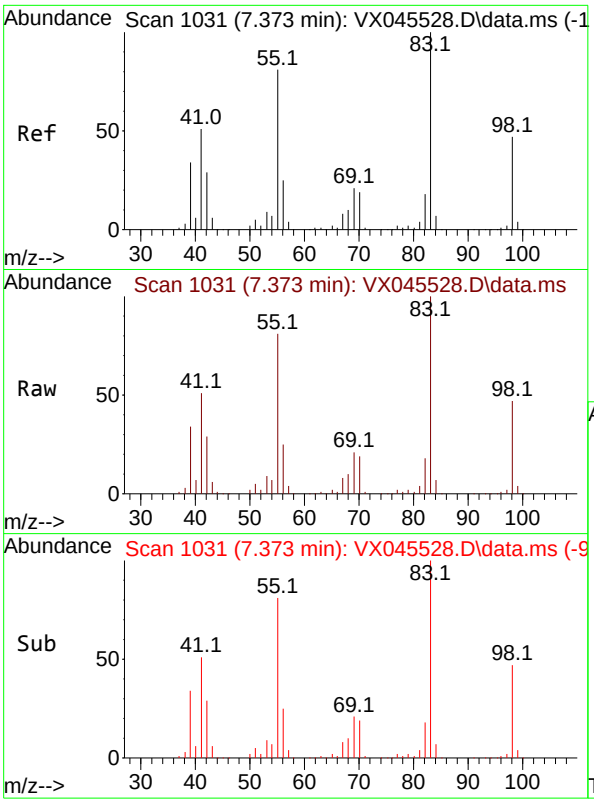


#38
Carbon Tetrachloride
Concen: 51.797 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 90247

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.2	24.2	36.2

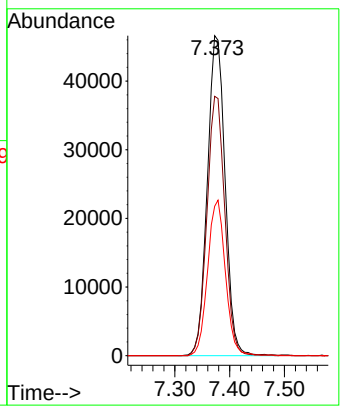




#39
Methylcyclohexane
Concen: 52.970 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 10467

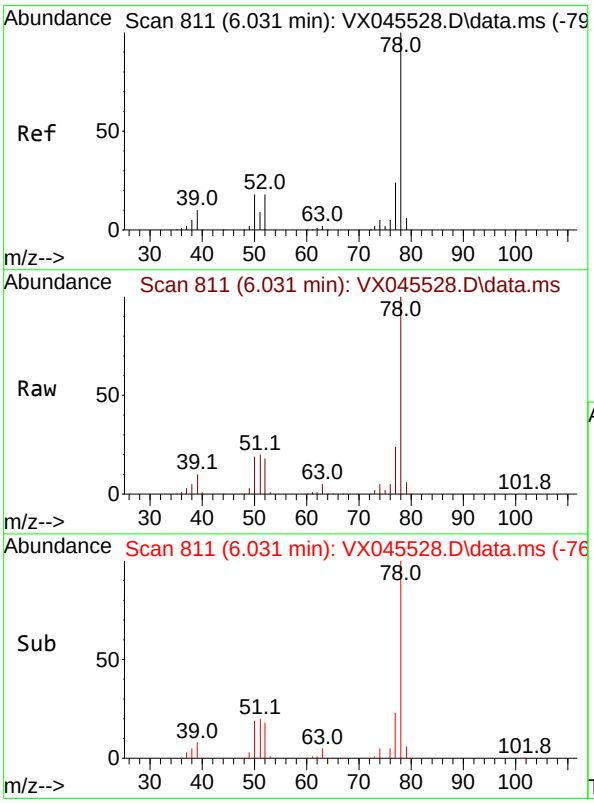
Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.9	97.3
98	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

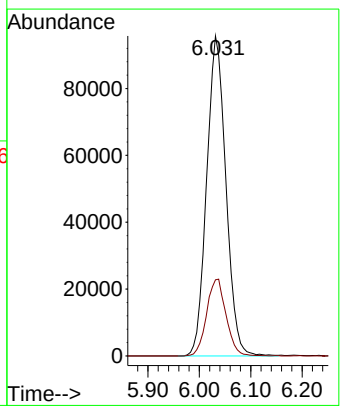
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

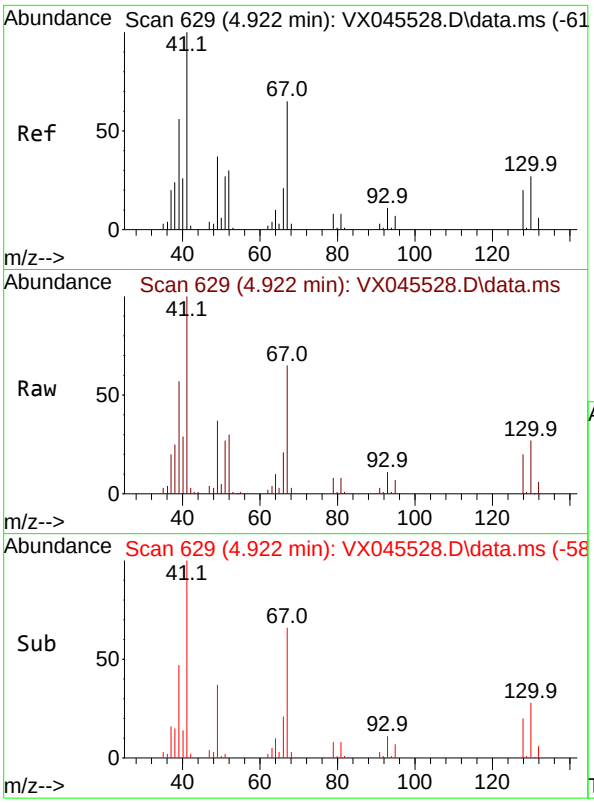


#40
Benzene
Concen: 50.605 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 78 Resp: 249161

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

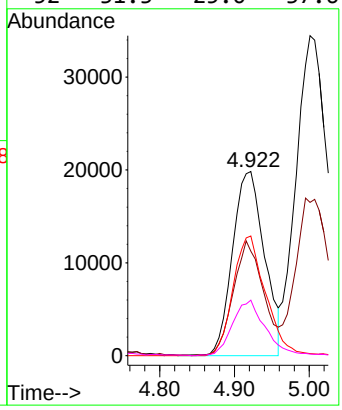




#41
Methacrylonitrile
Concen: 54.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 5906

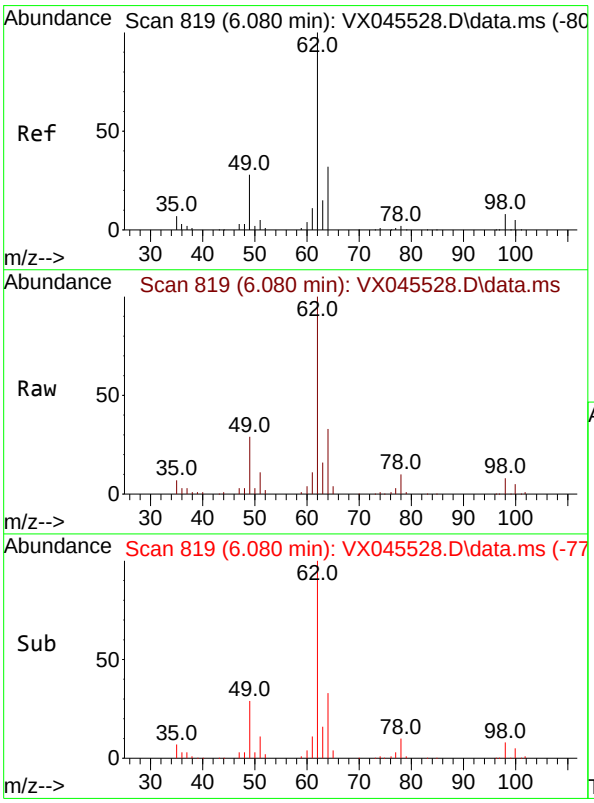
Ion	Ratio	Lower	Upper
41	100		
39	58.8	47.0	70.6
67	66.5	53.2	79.8
52	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

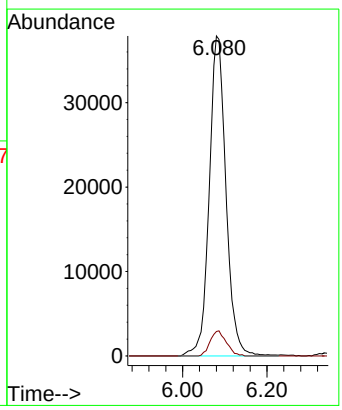
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

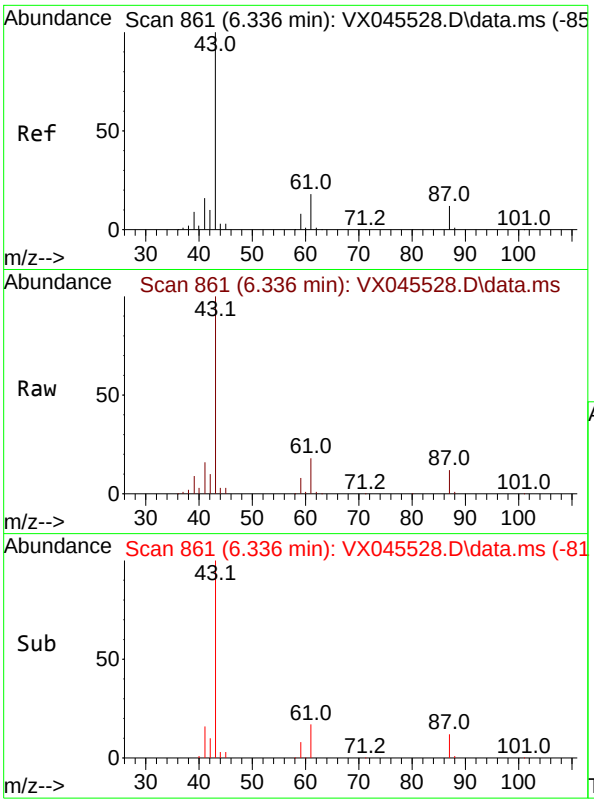


#42
1,2-Dichloroethane
Concen: 51.437 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 104601

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 53.452 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

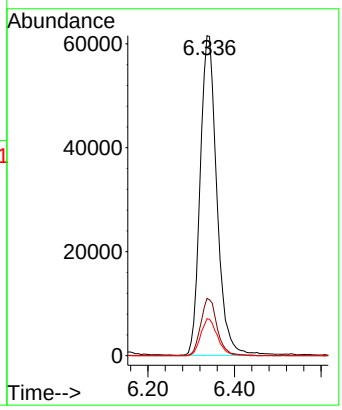
Tgt Ion: 43 Resp: 16458

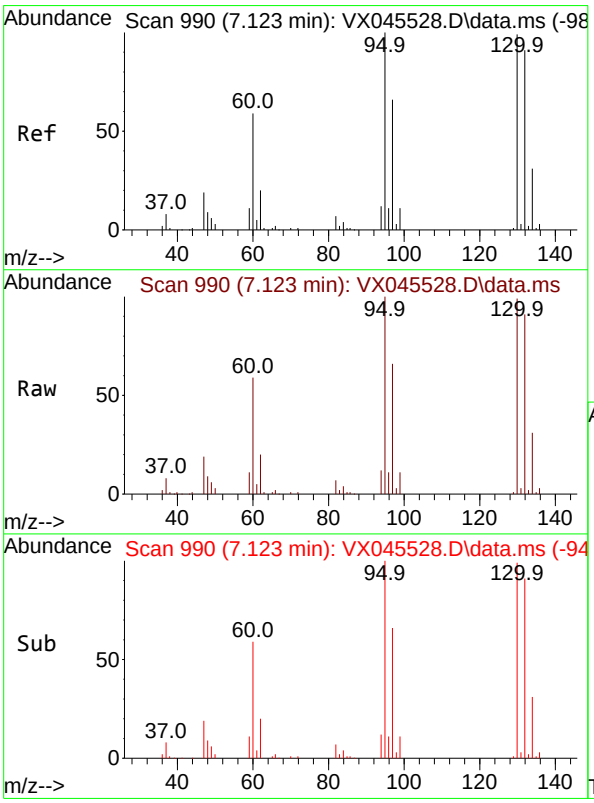
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.5	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

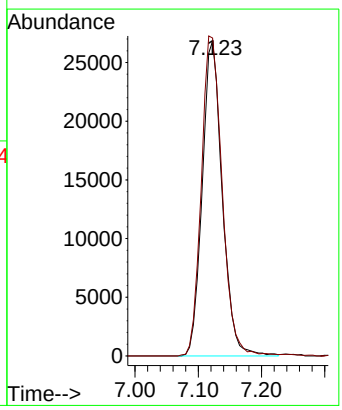


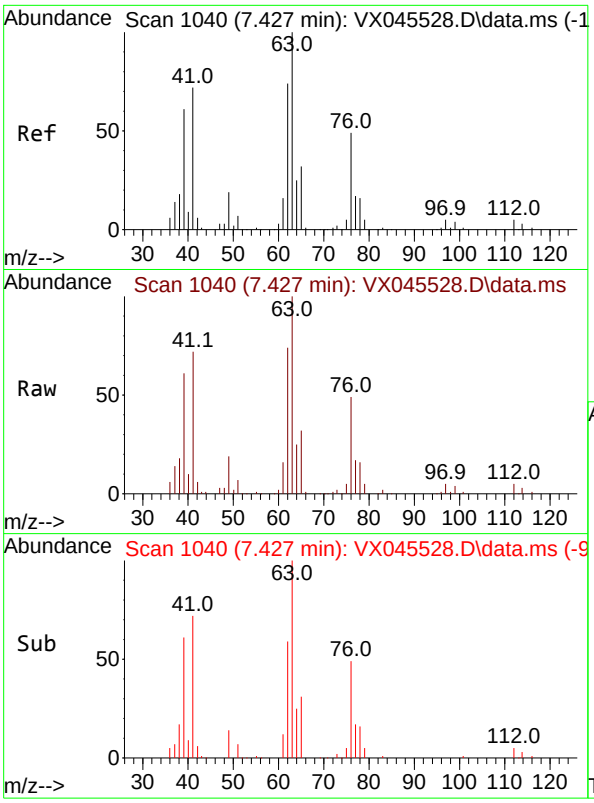


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:130 Resp: 59042

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0

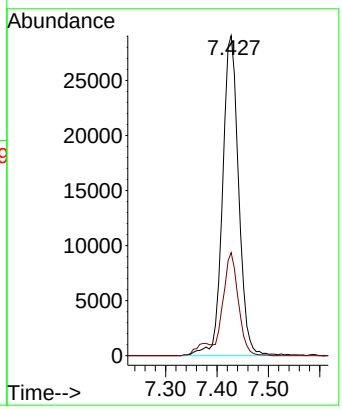




#45
1,2-Dichloropropane
Concen: 51.540 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 6331

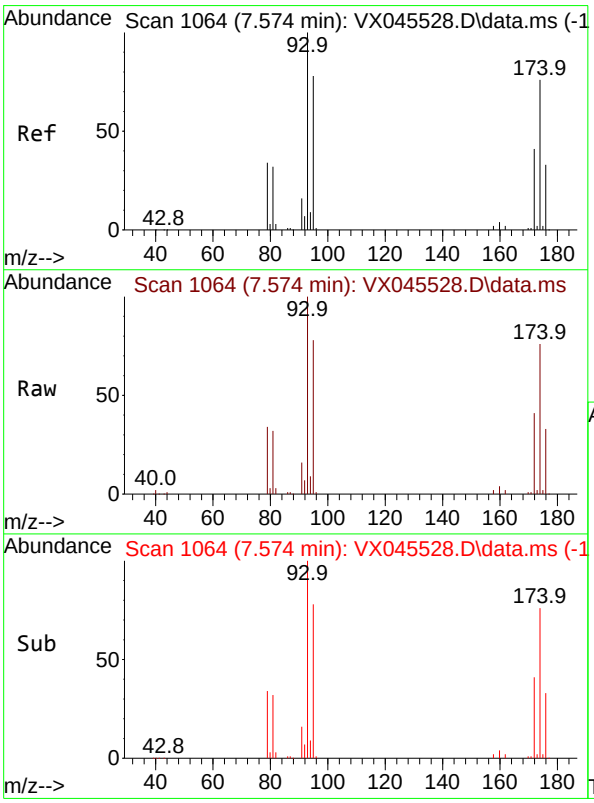
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

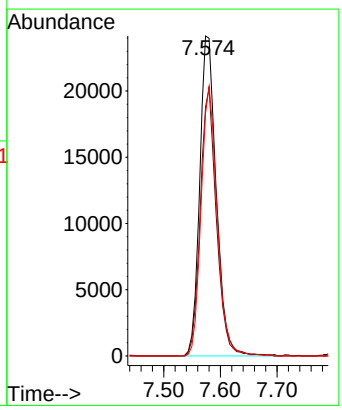
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

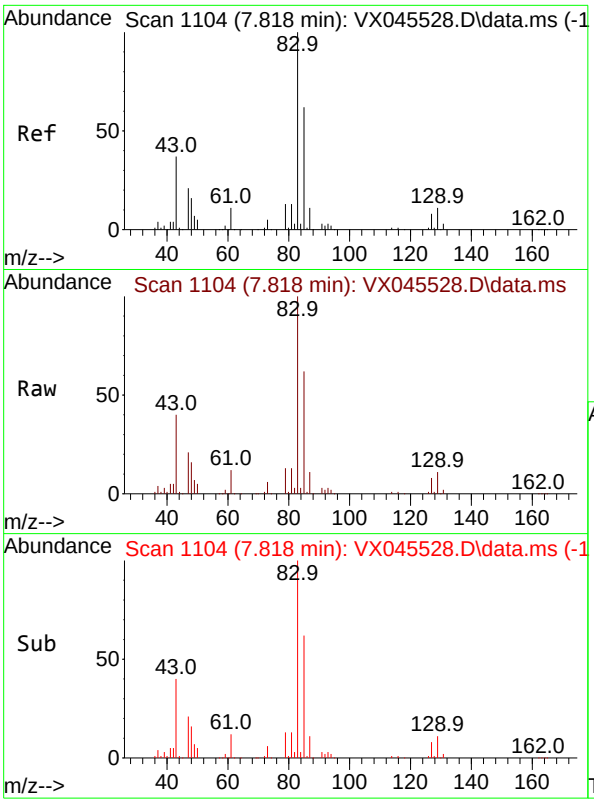


#46
Dibromomethane
Concen: 52.092 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 93 Resp: 49125

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	81.7	65.4	98.0

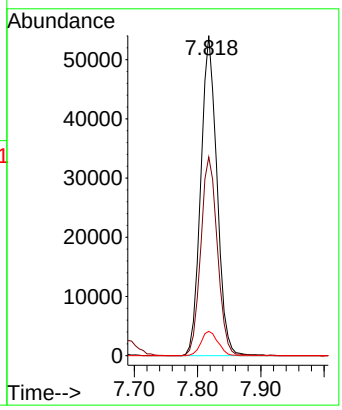




#47
Bromodichloromethane
Concen: 51.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9617

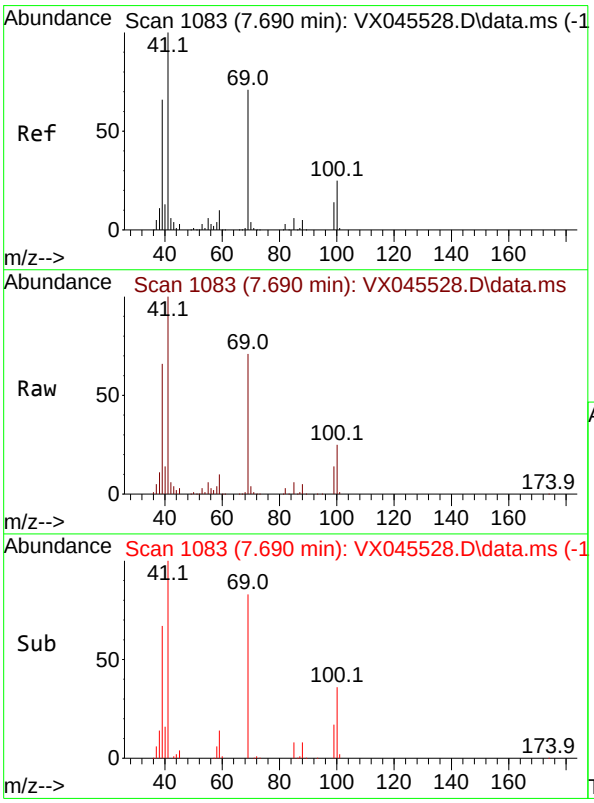
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	7.6	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

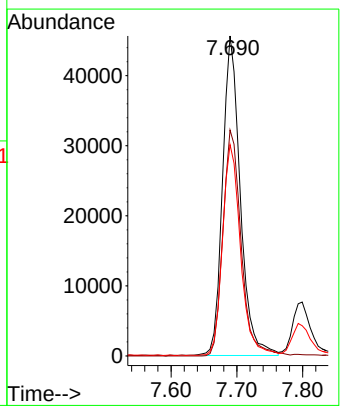
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

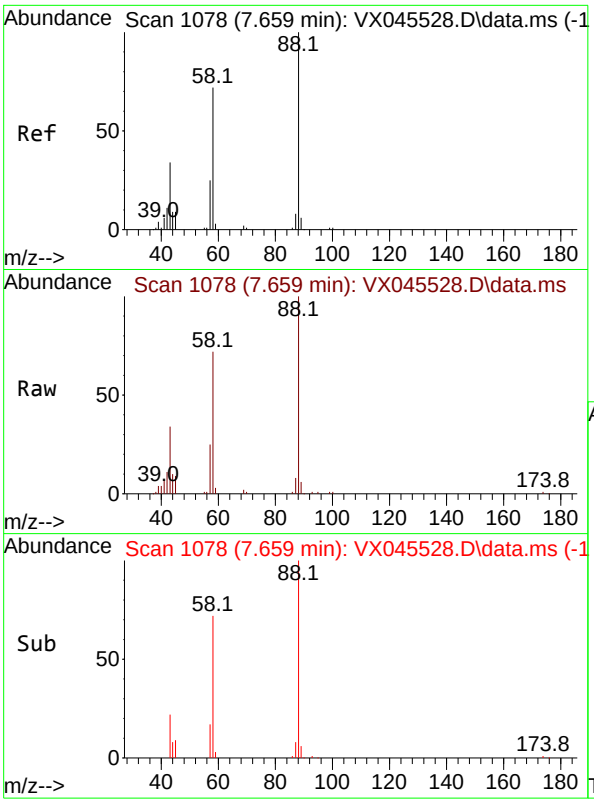


#48
Methyl methacrylate
Concen: 53.768 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 85483

Ion	Ratio	Lower	Upper
41	100		
69	72.7	58.2	87.2
39	67.0	53.6	80.4

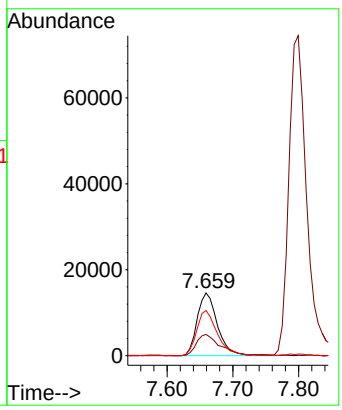




#49
1,4-Dioxane
Concen: 1084.635 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 88 Resp: 3119

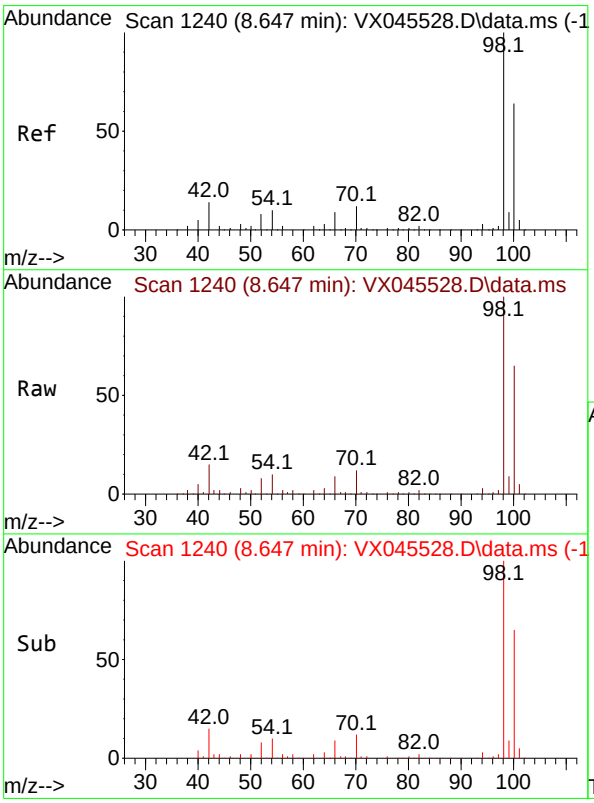
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

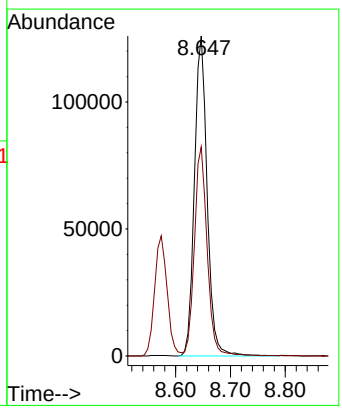
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

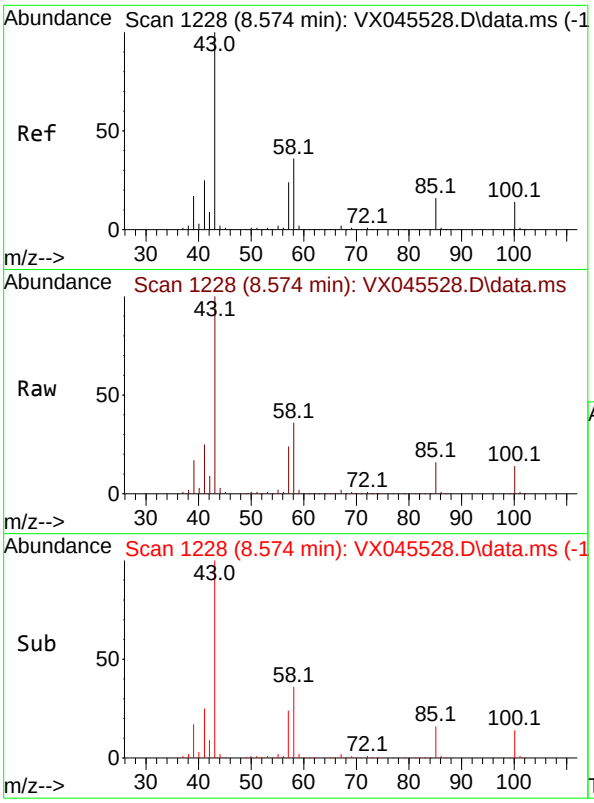


#50
Toluene-d8
Concen: 49.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 98 Resp: 204338

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4

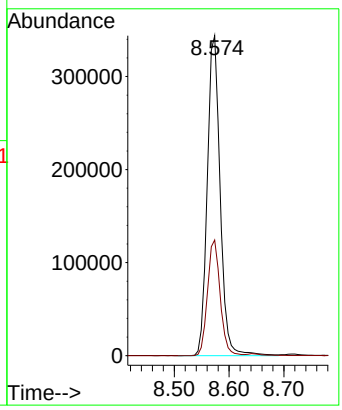




#51
4-Methyl-2-Pentanone
Concen: 273.375 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 55802

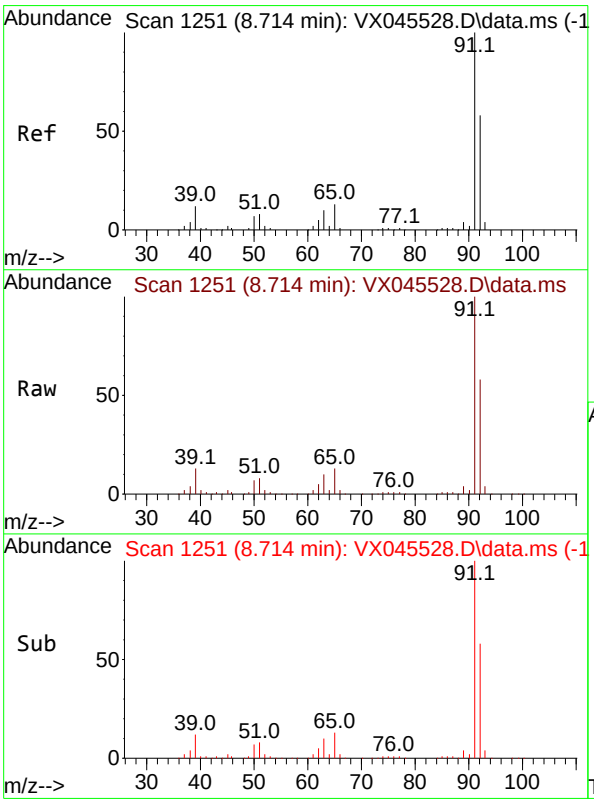
Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

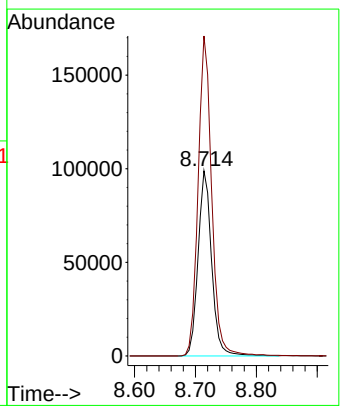
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

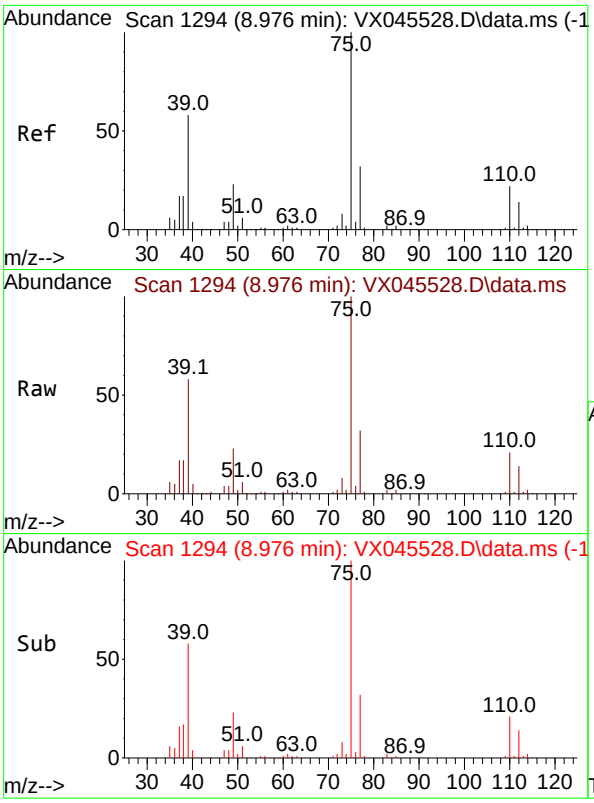


#52
Toluene
Concen: 51.402 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 92 Resp: 153143

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.7	208.1

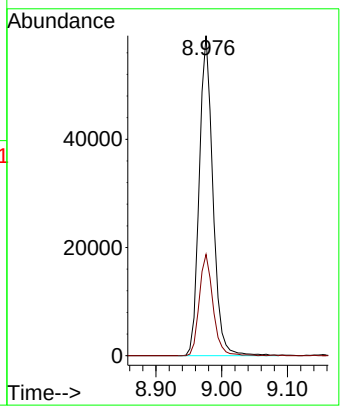




#53
t-1,3-Dichloropropene
Concen: 47.317 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 8546

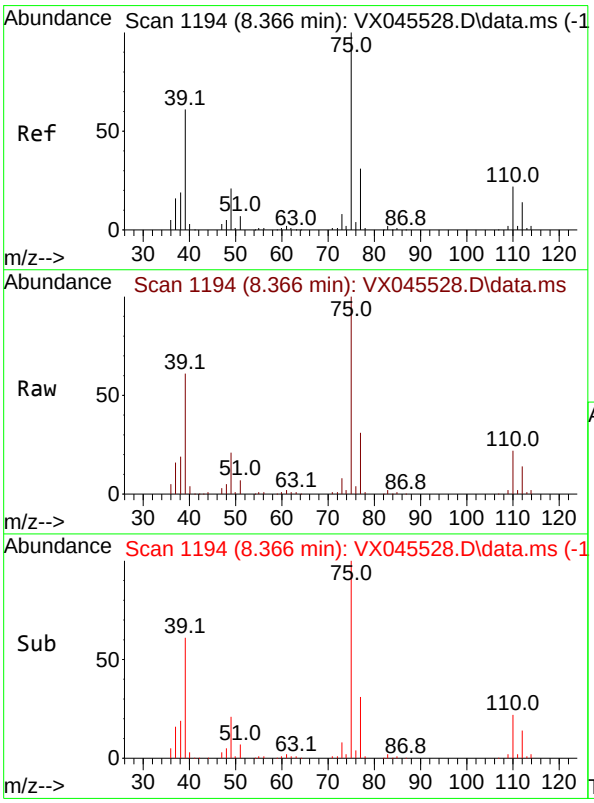
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

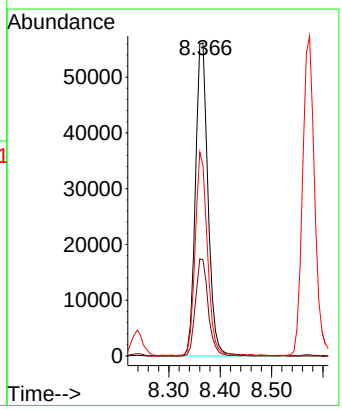
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

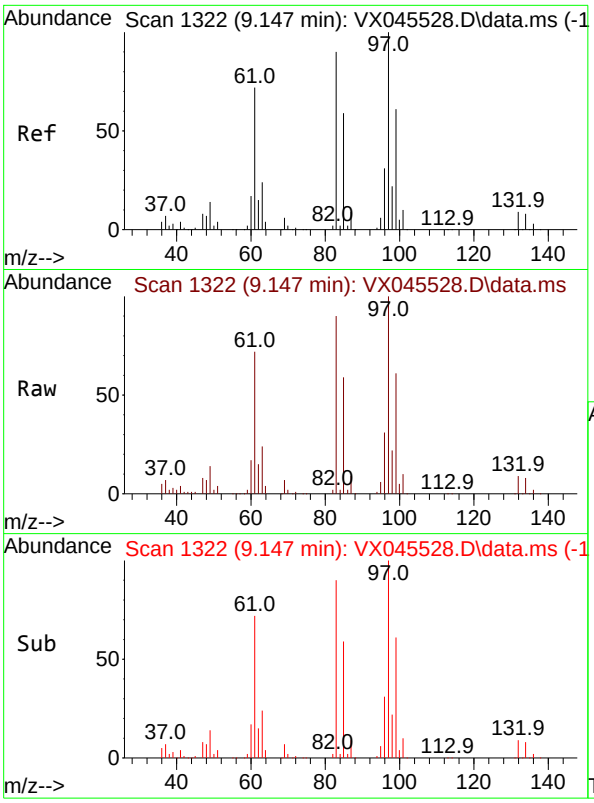


#54
cis-1,3-Dichloropropene
Concen: 53.975 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 95524

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	60.5	48.4	72.6

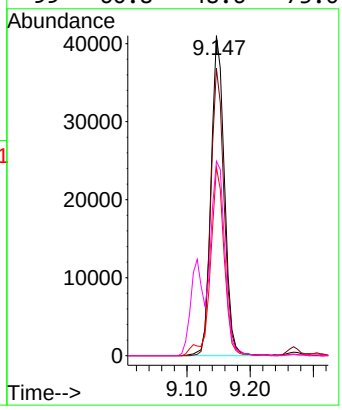




#55
1,1,2-Trichloroethane
Concen: 50.919 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 6045

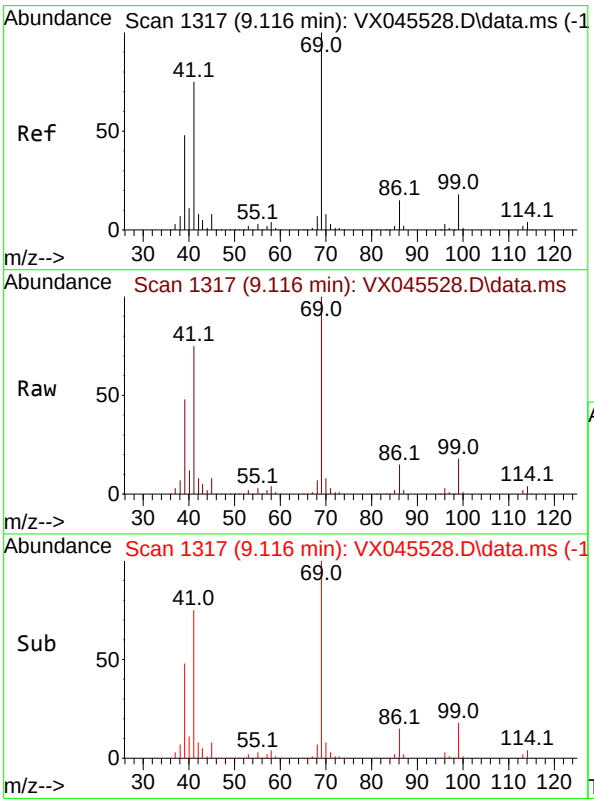
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.8	107.8
85	58.8	47.0	70.6
99	60.8	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

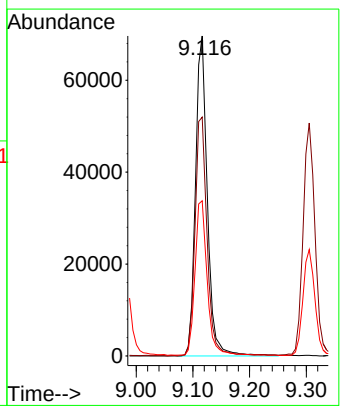
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

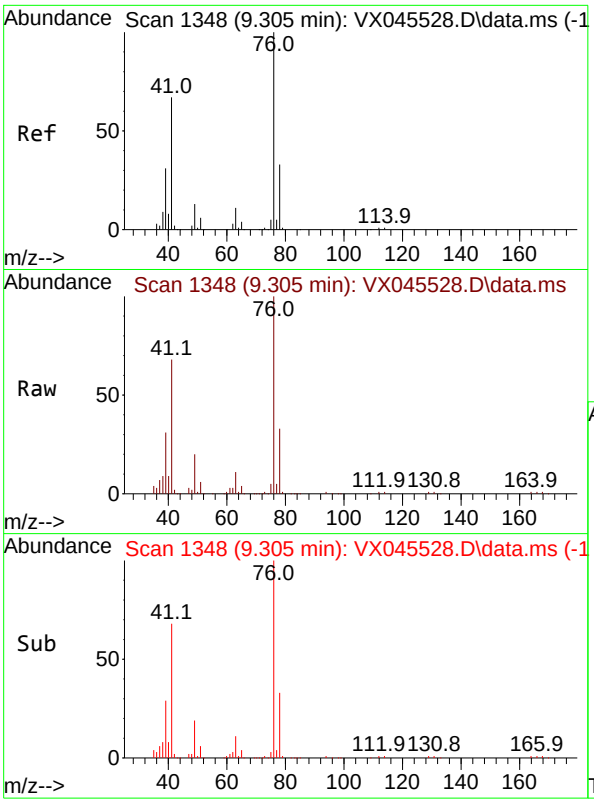


#56
Ethyl methacrylate
Concen: 54.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 69 Resp: 100998

Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.3	91.9
39	50.2	40.2	60.2

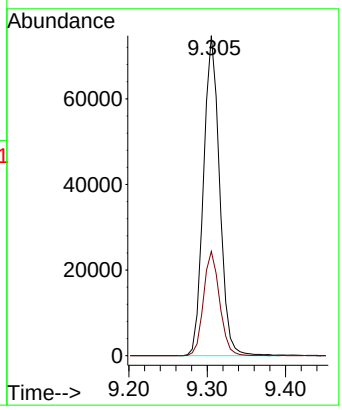




#57
1,3-Dichloropropane
Concen: 51.554 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 76 Resp: 10658

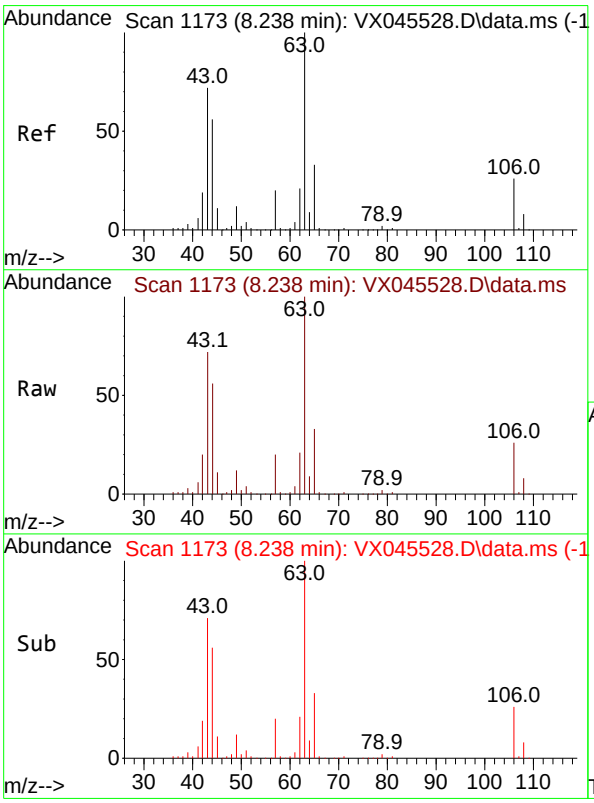
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

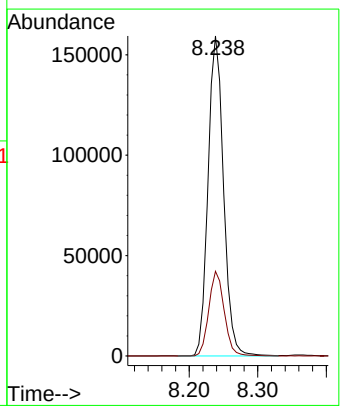
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

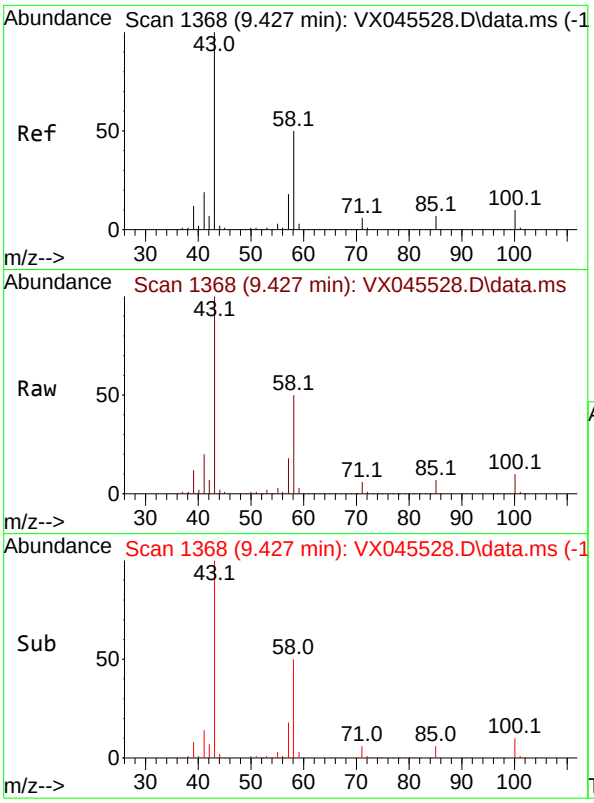


#58
2-Chloroethyl Vinyl ether
Concen: 269.434 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 250428

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6

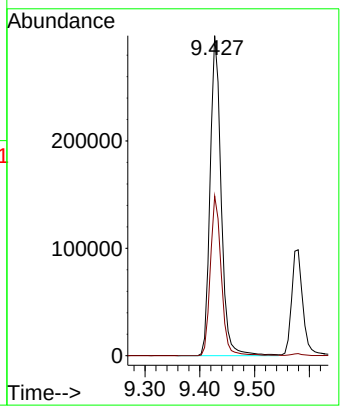




#59
2-Hexanone
Concen: 273.765 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 41382

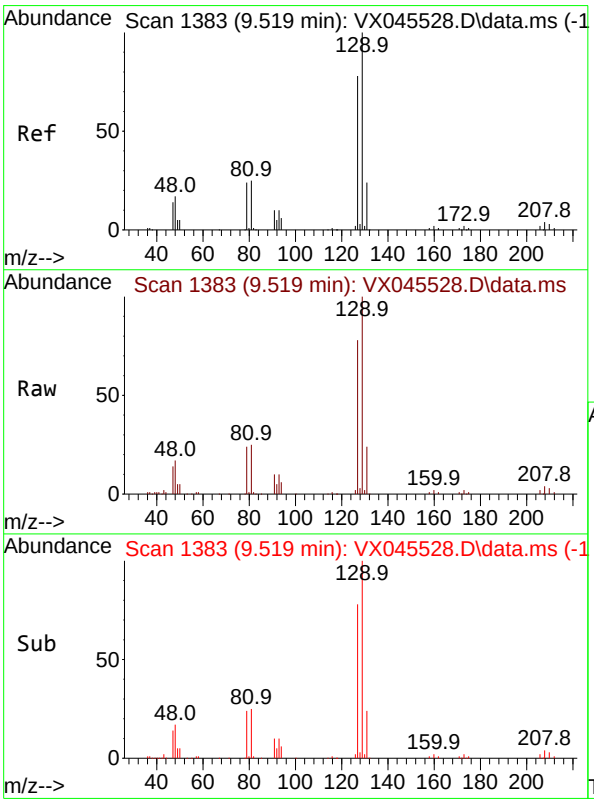
Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

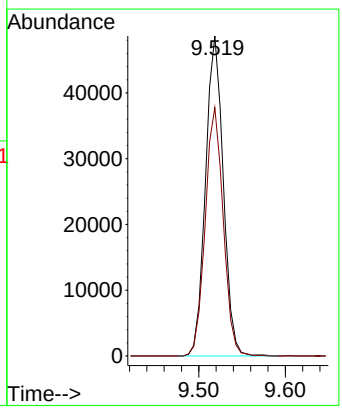
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

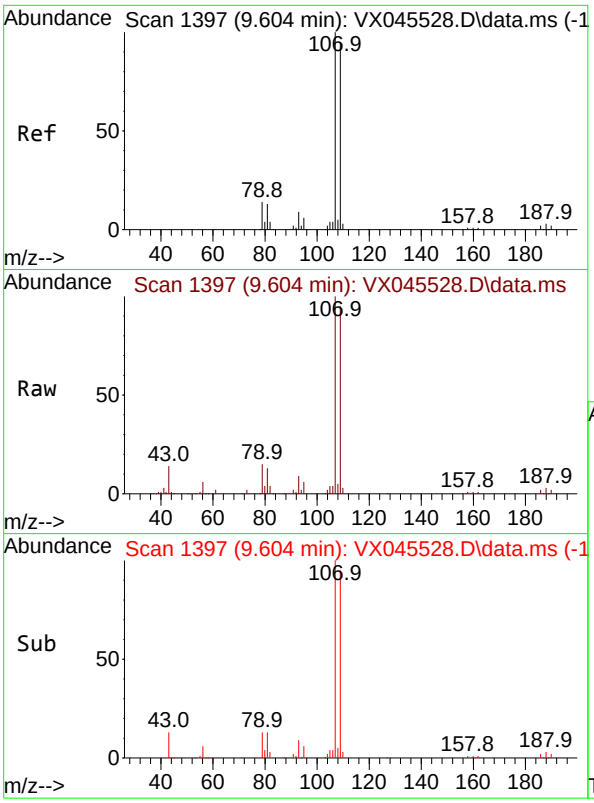


#60
Dibromochloromethane
Concen: 53.511 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:129 Resp: 69258

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2

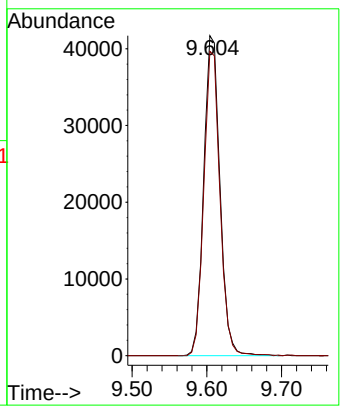




#61
1,2-Dibromoethane
Concen: 52.264 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:107 Resp: 6281

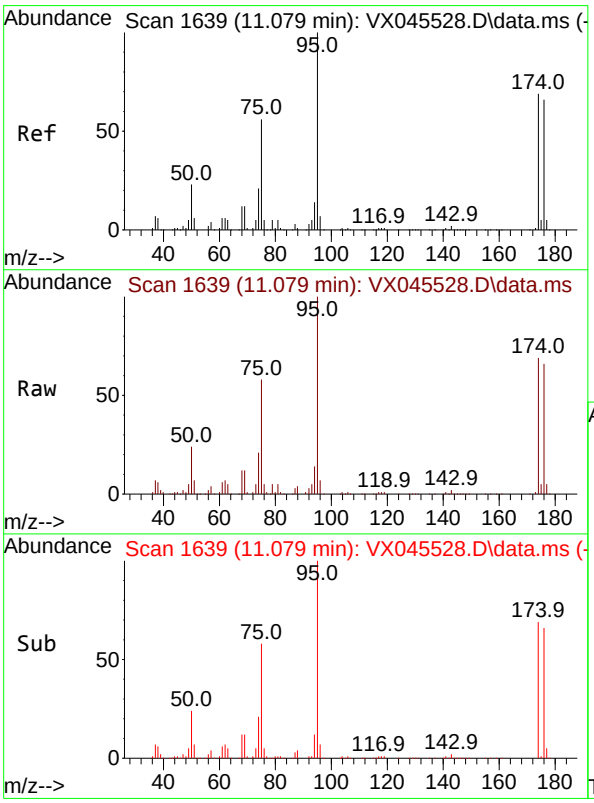
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

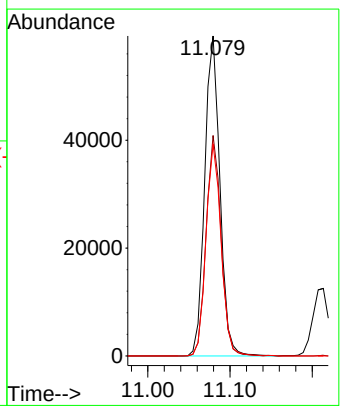
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

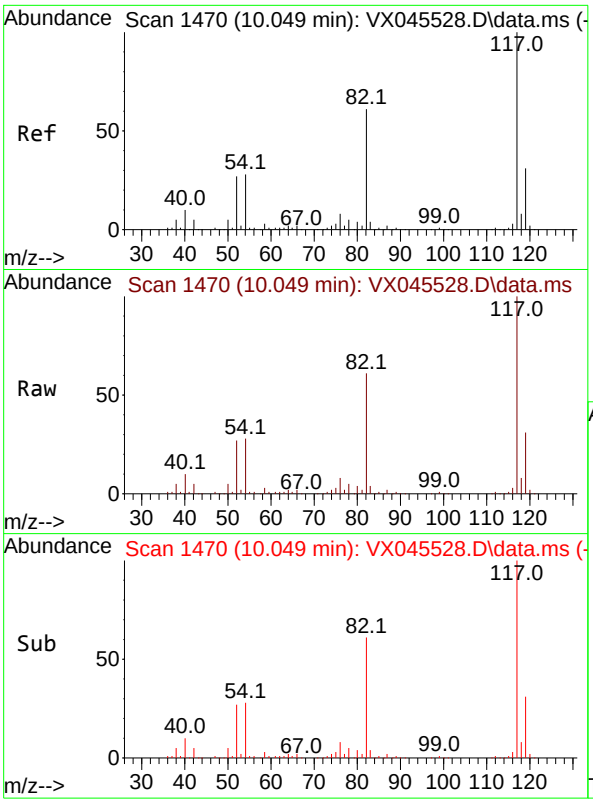


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 95 Resp: 76190

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4

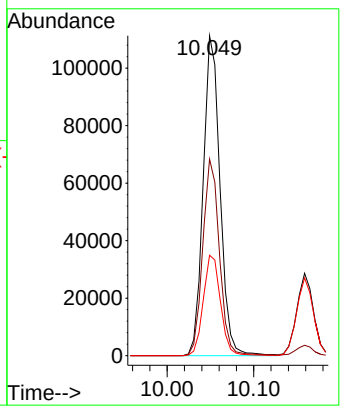




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 15020

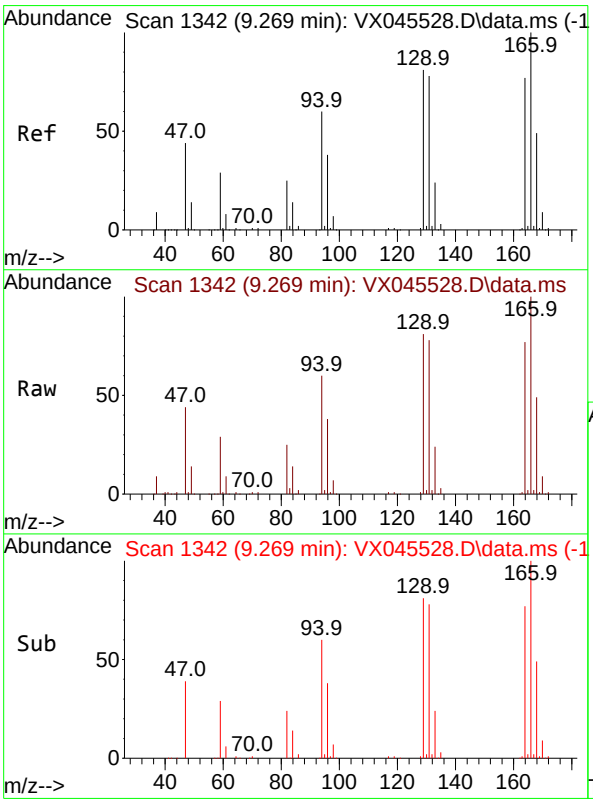
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

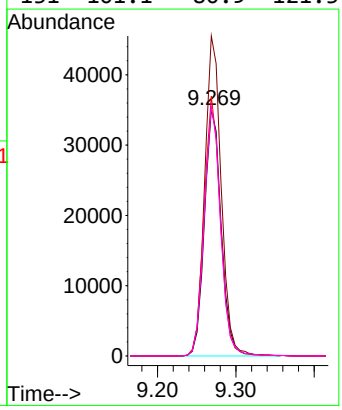
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

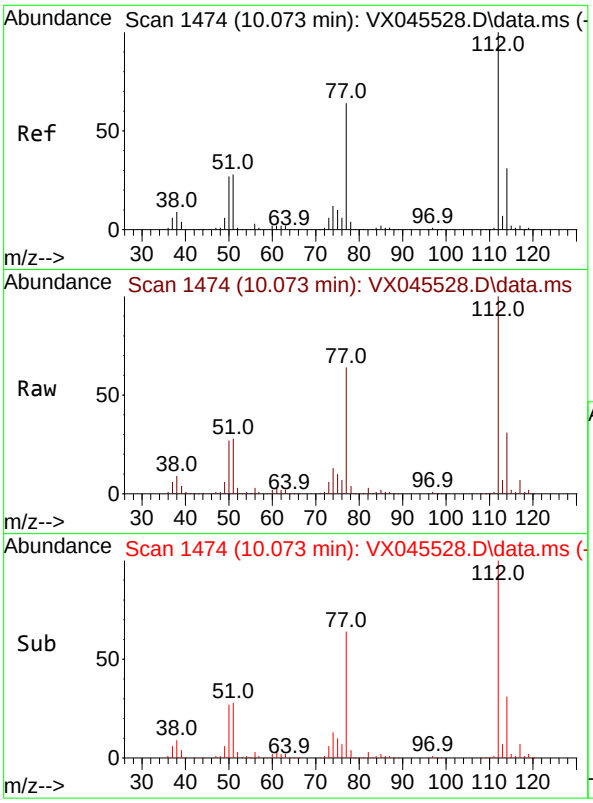


#64
Tetrachloroethene
Concen: 49.181 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:164 Resp: 52155

Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	105.4	84.3	126.5
131	101.1	80.9	121.3

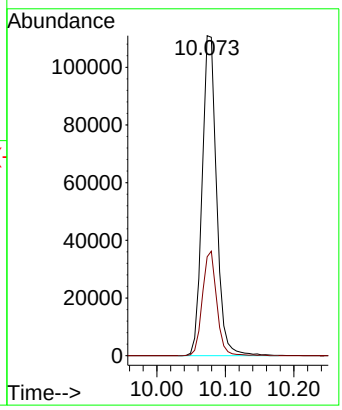




#65
Chlorobenzene
Concen: 50.733 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:112 Resp: 16282

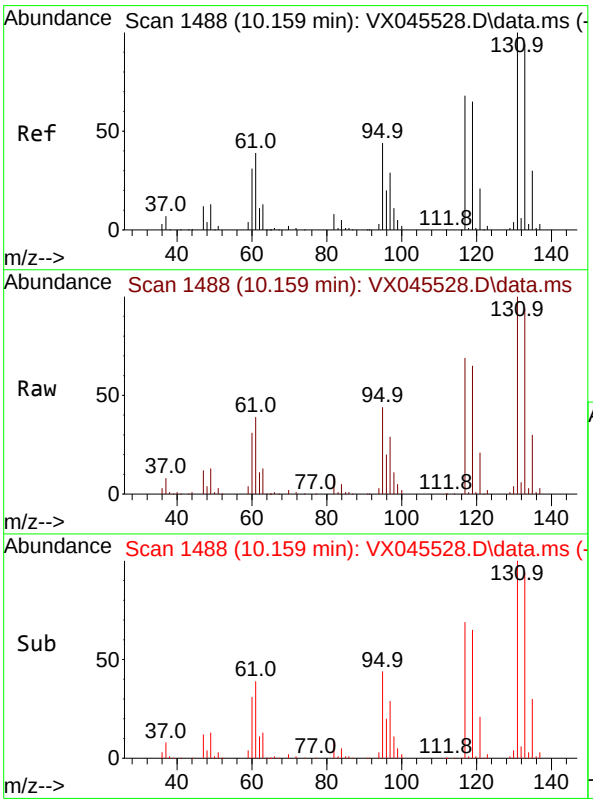
Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

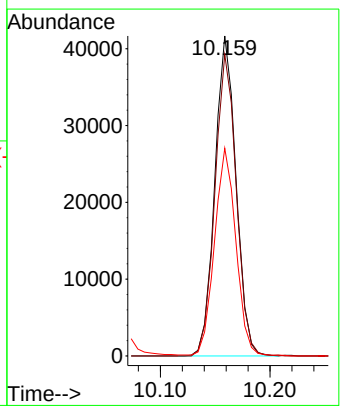
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

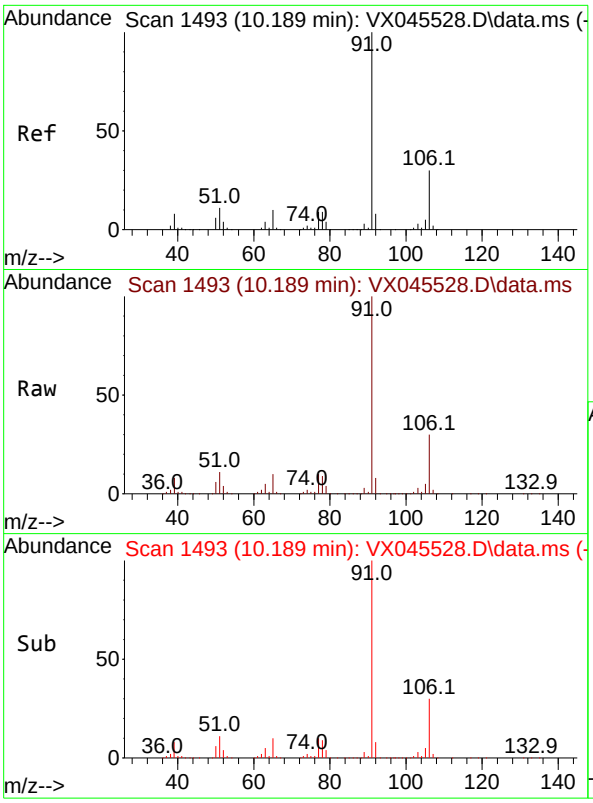


#66
1,1,1,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:131 Resp: 55974

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.5	142.5
119	65.7	32.9	98.6

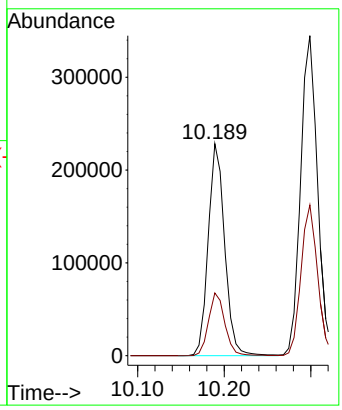




#67
Ethyl Benzene
Concen: 52.447 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 30148

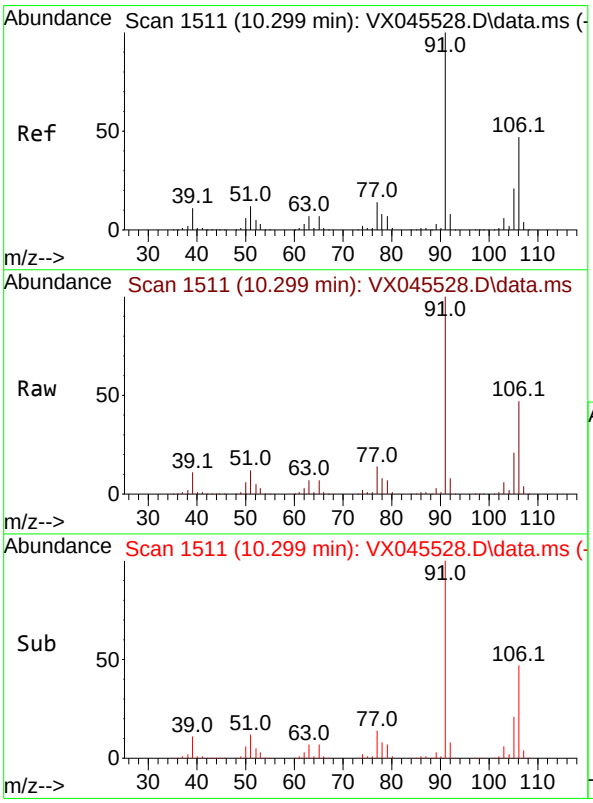
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

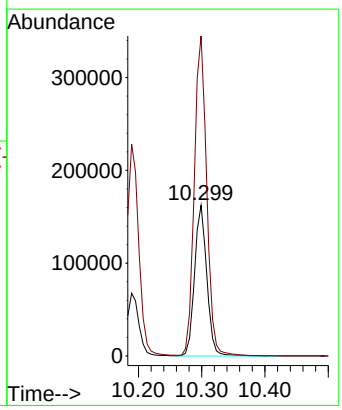
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

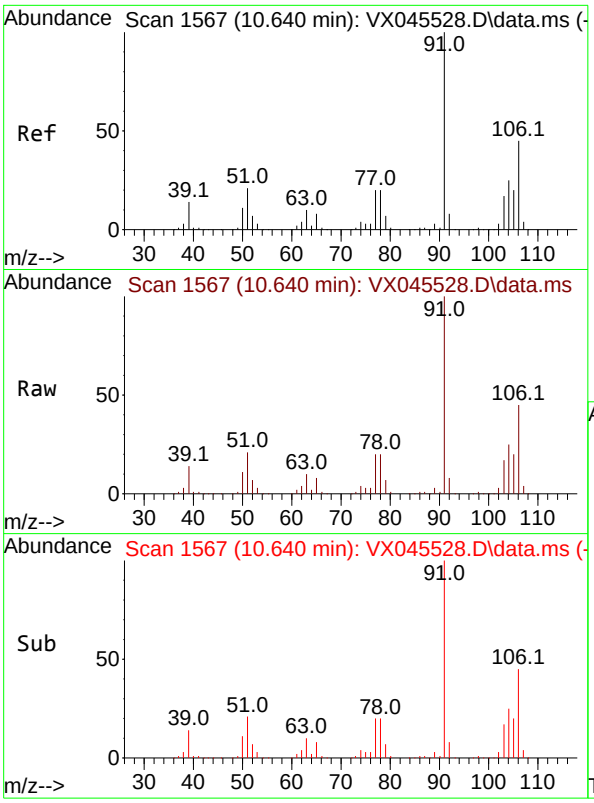


#68
m/p-Xylenes
Concen: 104.606 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 218702

Ion	Ratio	Lower	Upper
106	100		
91	215.7	172.6	258.8

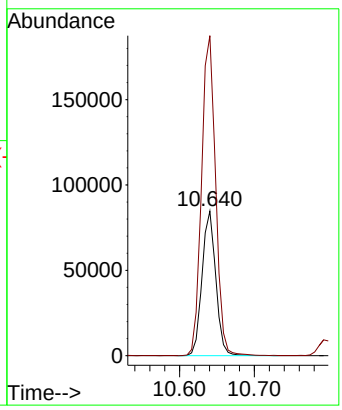




#69
o-Xylene
Concen: 52.452 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 10802

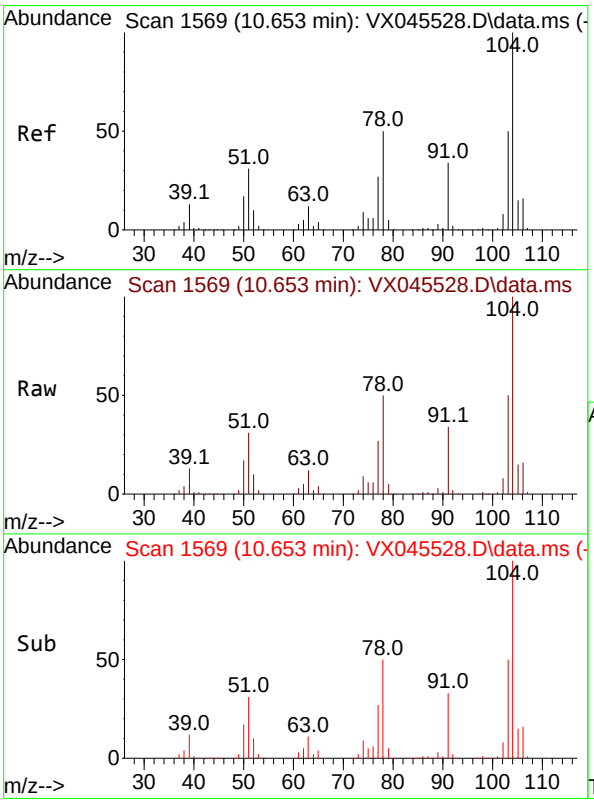
Ion	Ratio	Lower	Upper
106	100		
91	227.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

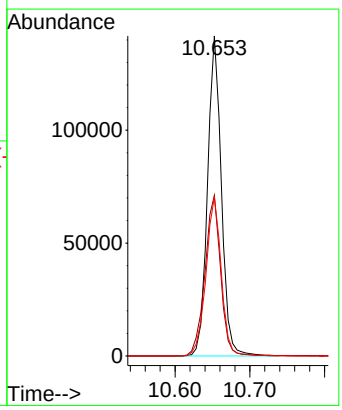
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

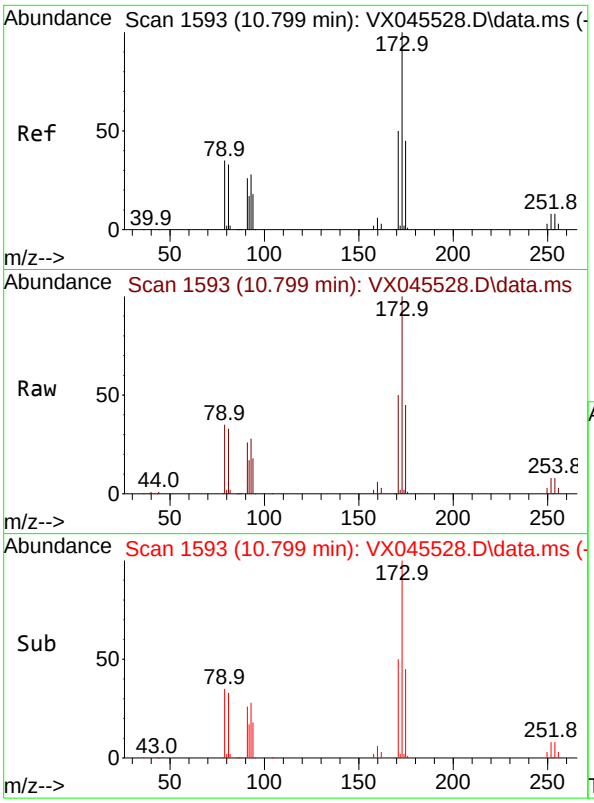


#70
Styrene
Concen: 53.723 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:104 Resp: 182620

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	54.8	43.8	65.8

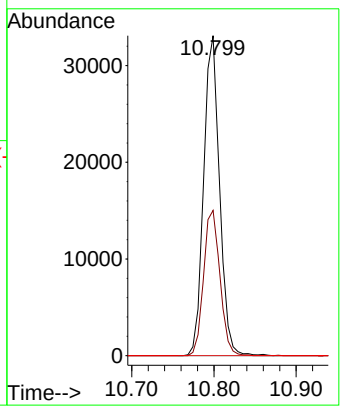




#71
Bromoform
Concen: 53.361 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:173 Resp: 4439

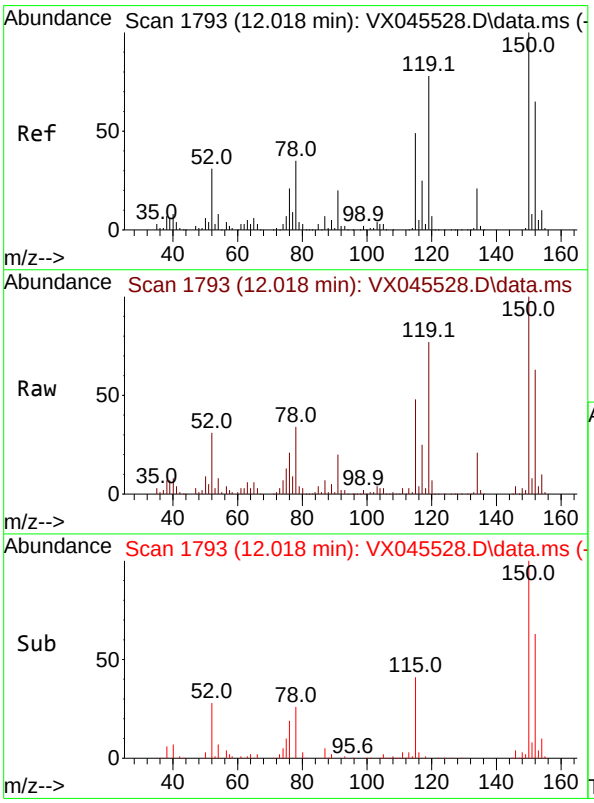
Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

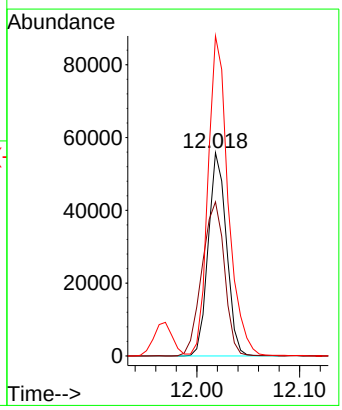
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

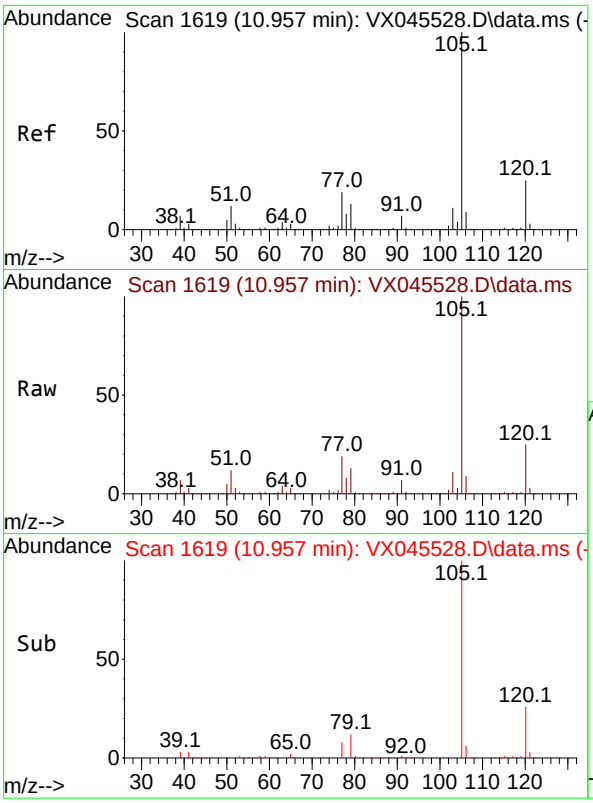


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:152 Resp: 68786

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	174.7	0.0	349.4





#73
Isopropylbenzene
Concen: 52.203 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

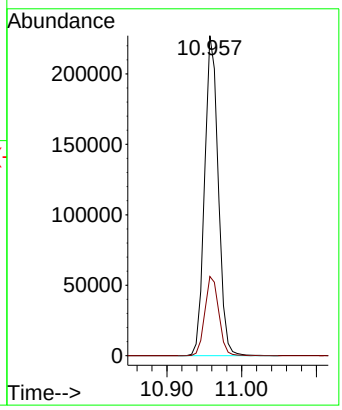
Tgt Ion:105 Resp: 28762

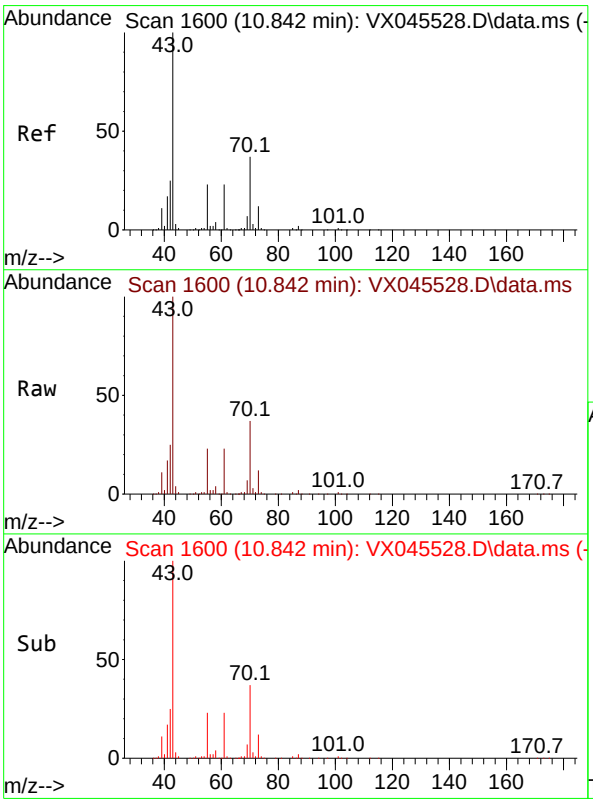
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

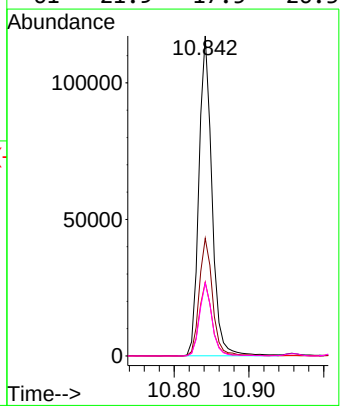


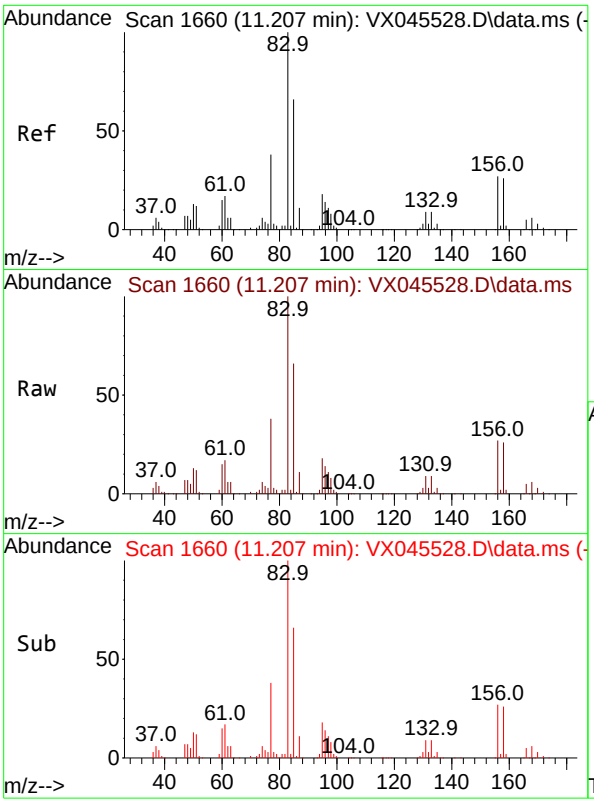


#74
N-amyl acetate
Concen: 53.721 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 141589

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3

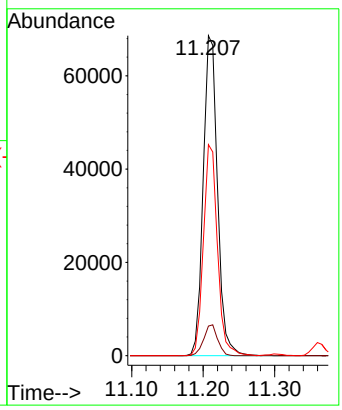




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9520

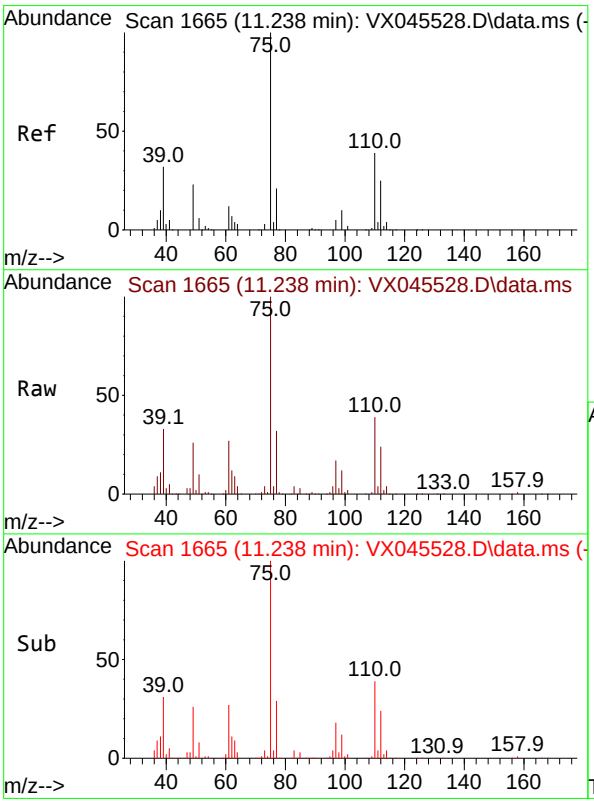
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.8	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

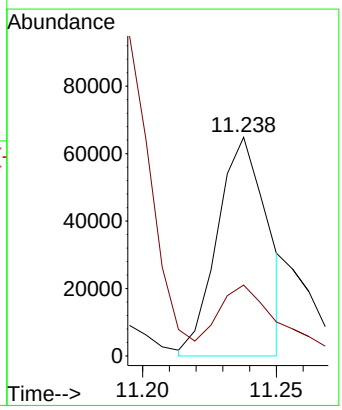
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

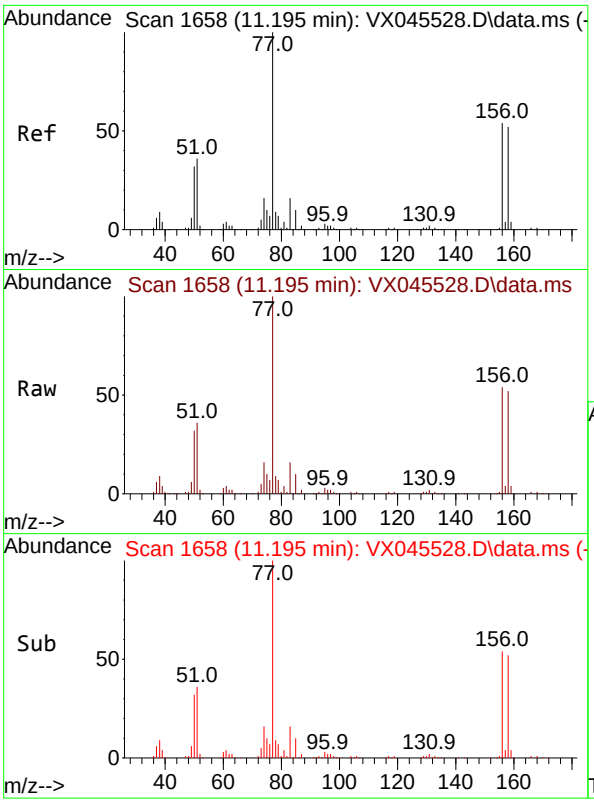


#76
1,2,3-Trichloropropane
Concen: 50.230 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 84279

Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.0	59.9

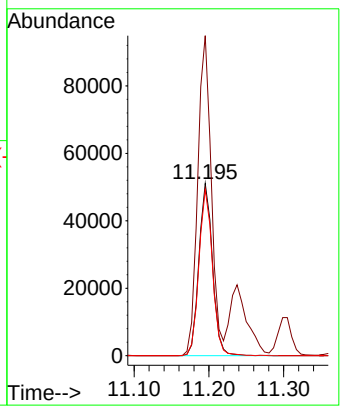




#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:156 Resp: 6452

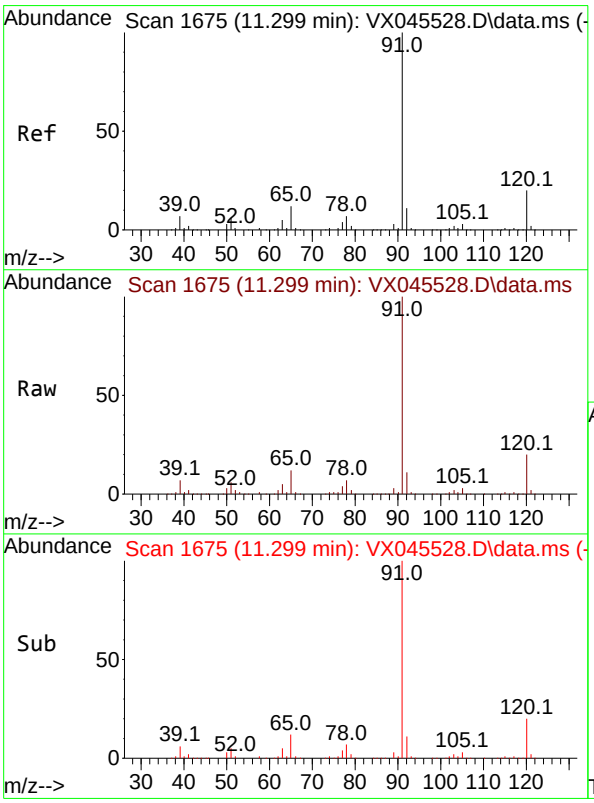
Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.6	277.8
158	96.3	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

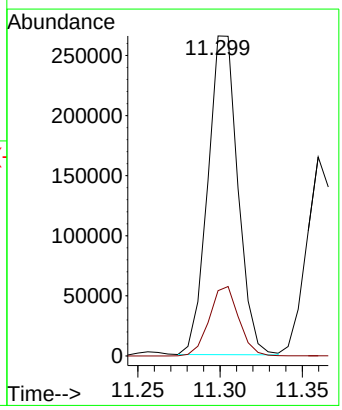
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

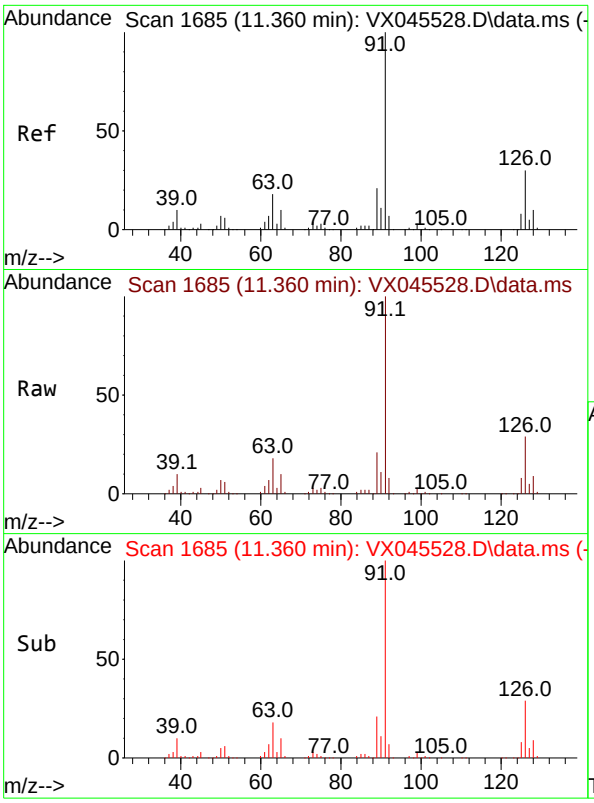


#78
n-propylbenzene
Concen: 53.069 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 336796

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 50.279 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

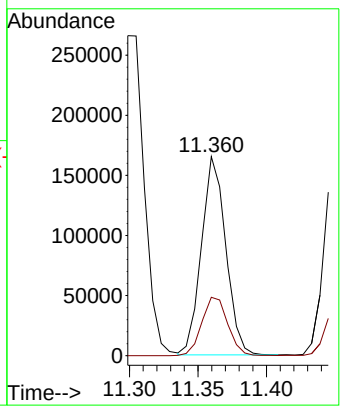
Tgt Ion: 91 Resp: 20399

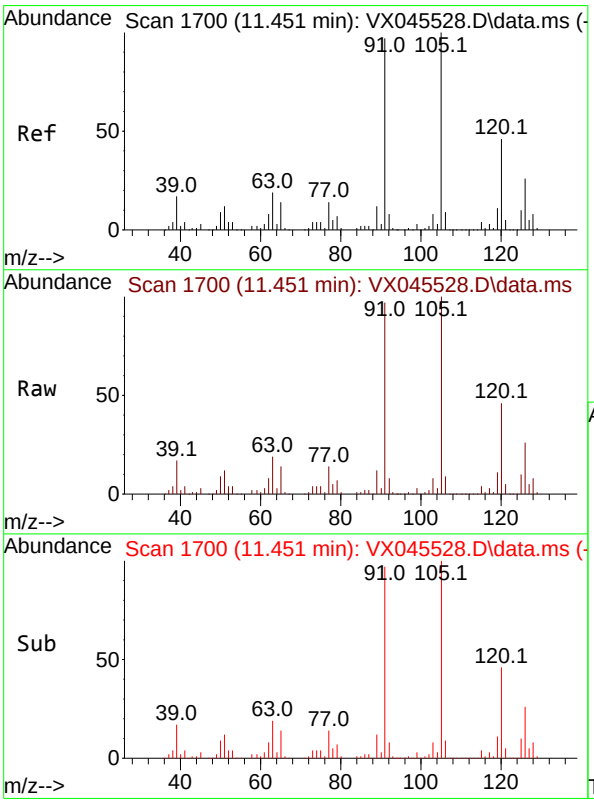
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

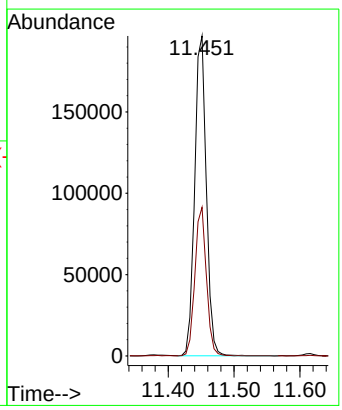


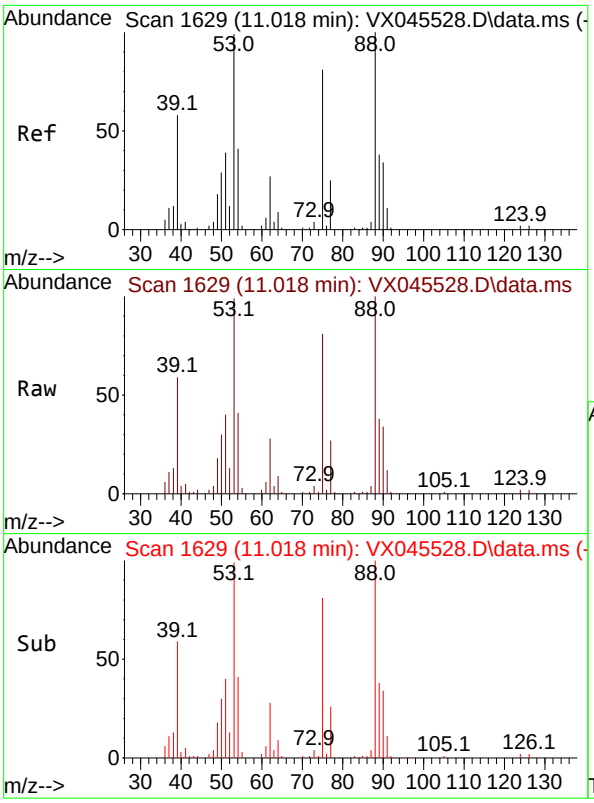


#80
1,3,5-Trimethylbenzene
Concen: 53.013 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 241536

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0

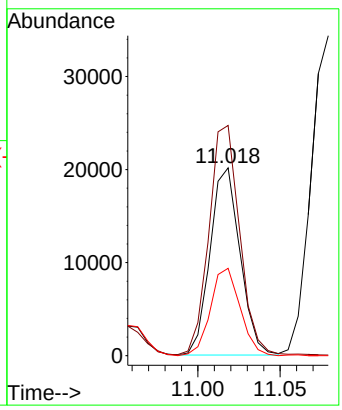




#81
trans-1,4-Dichloro-2-butene
Concen: 51.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 2548

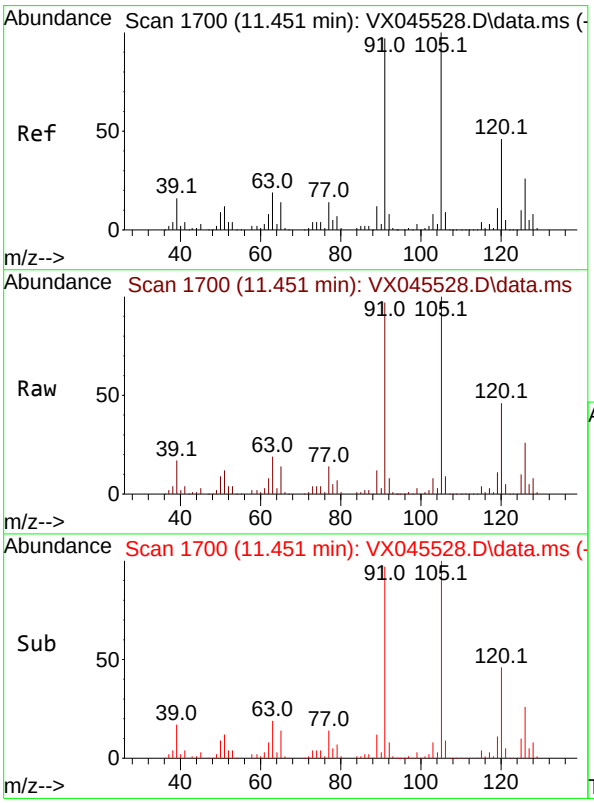
Ion	Ratio	Lower	Upper
75	100		
53	127.2	101.8	152.6
89	46.5	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

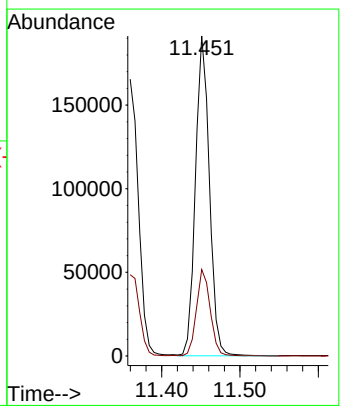
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

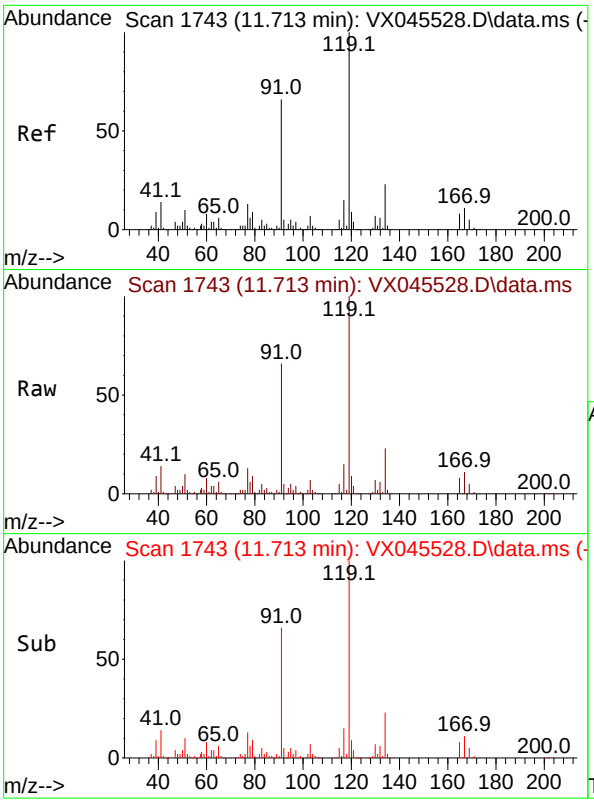


#82
4-Chlorotoluene
Concen: 52.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 237213

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9

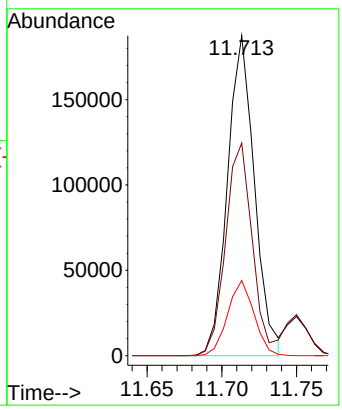




#83
tert-Butylbenzene
Concen: 52.256 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 23571

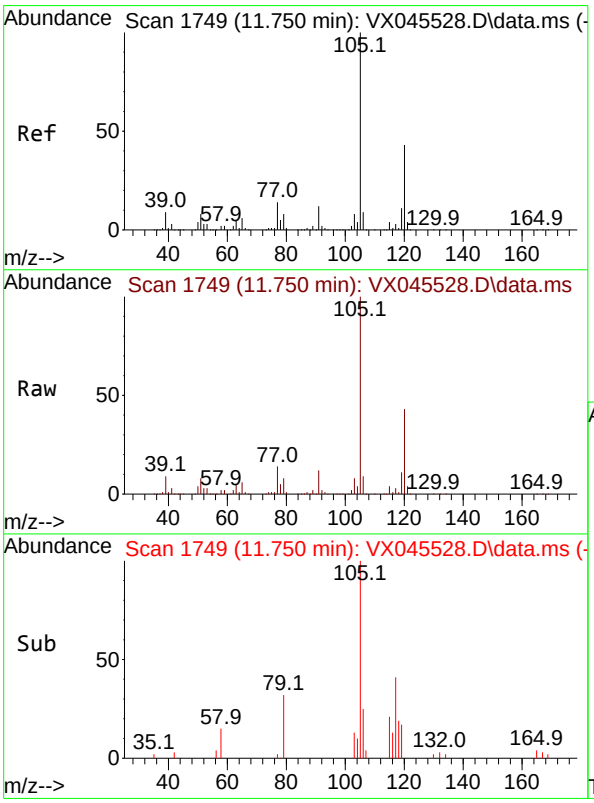
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	23.0	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

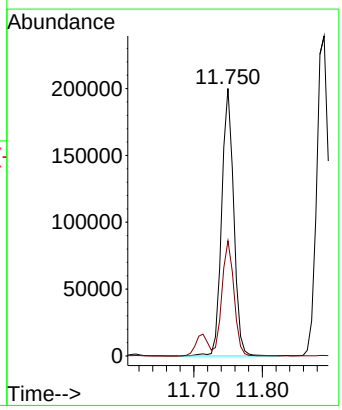
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

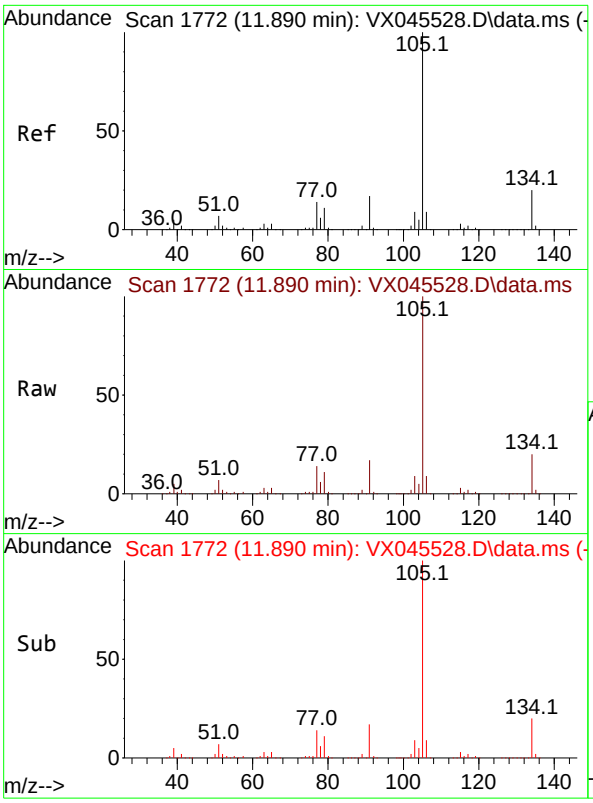


#84
1,2,4-Trimethylbenzene
Concen: 52.986 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 242301

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.3

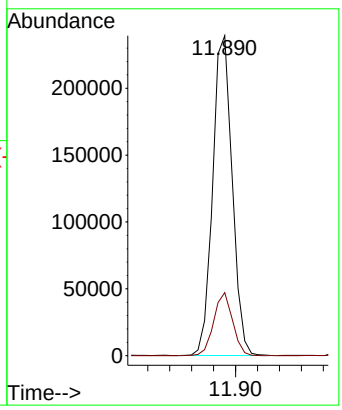




#85
sec-Butylbenzene
Concen: 53.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 29579

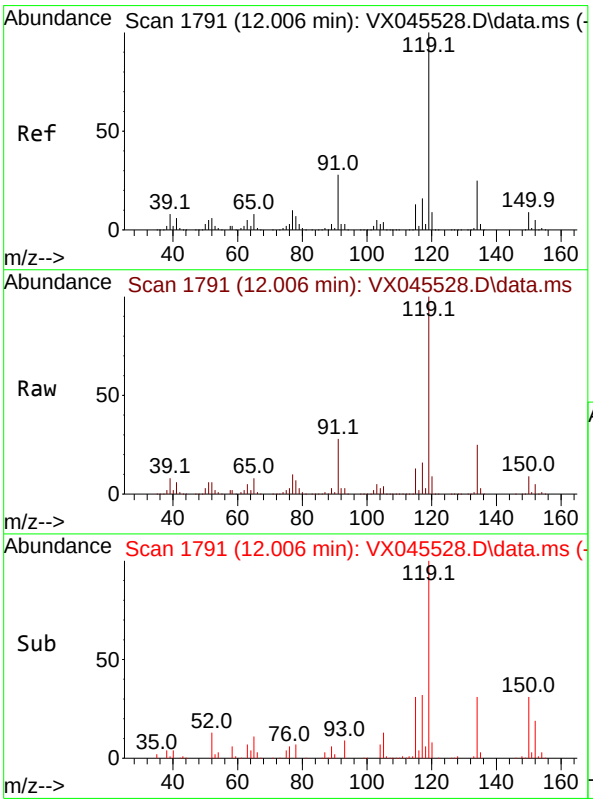
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

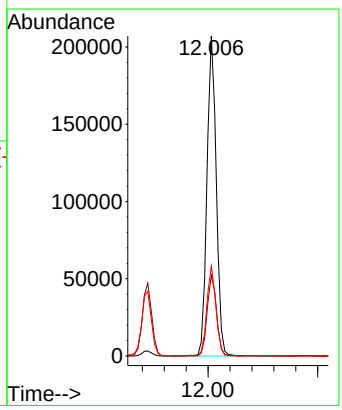
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

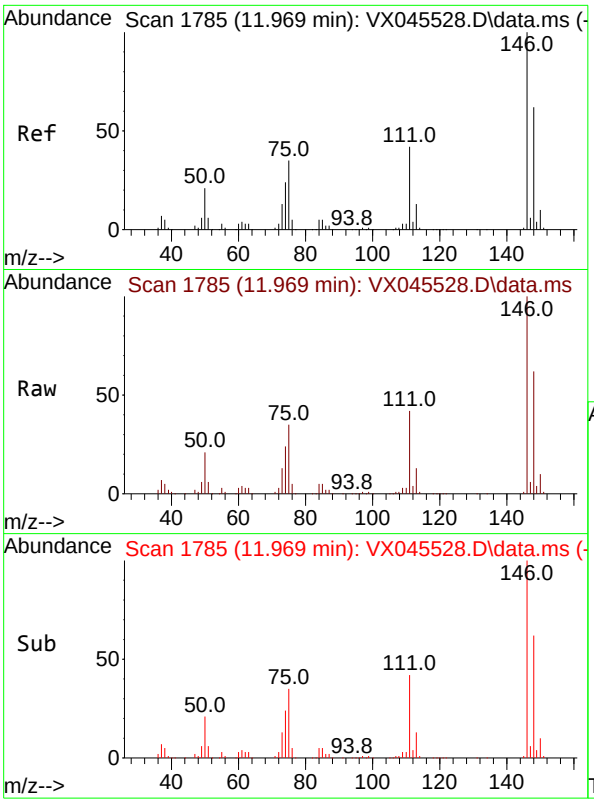


#86
p-Isopropyltoluene
Concen: 53.073 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 242416

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.4	13.7	41.1

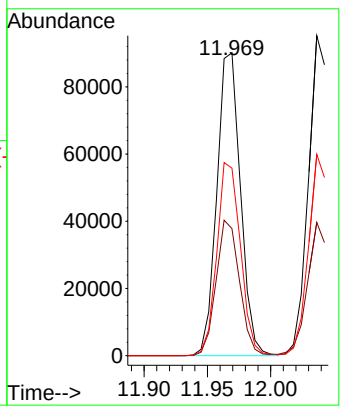




#87
1,3-Dichlorobenzene
Concen: 50.441 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11689

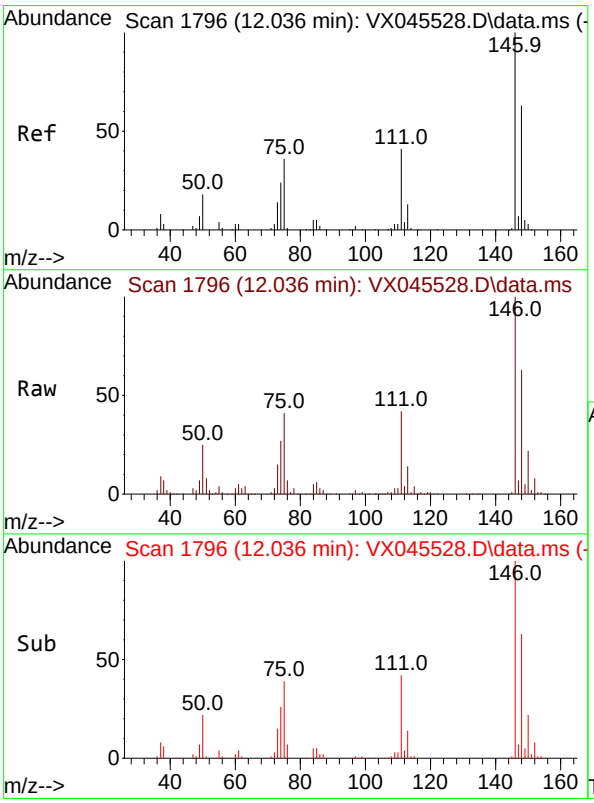
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

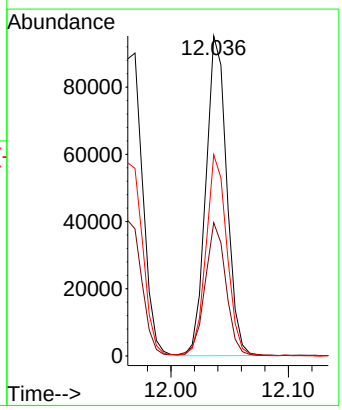
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

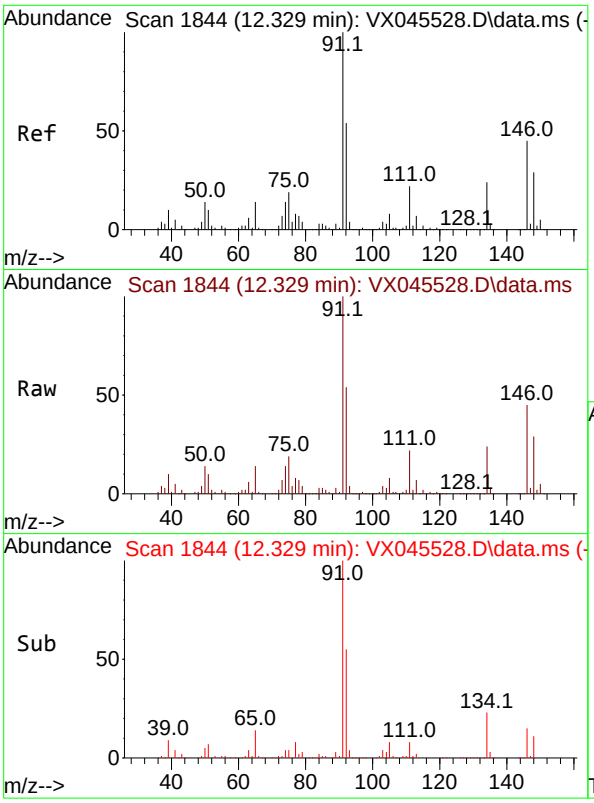


#88
1,4-Dichlorobenzene
Concen: 49.871 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 117164

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.0	31.5	94.5

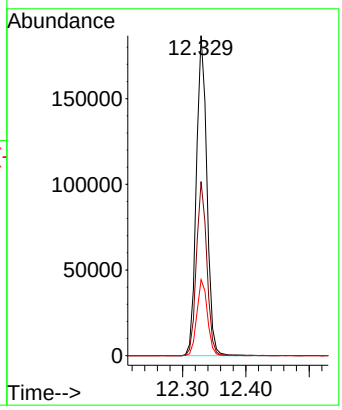




#89
n-Butylbenzene
Concen: 54.874 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 21734

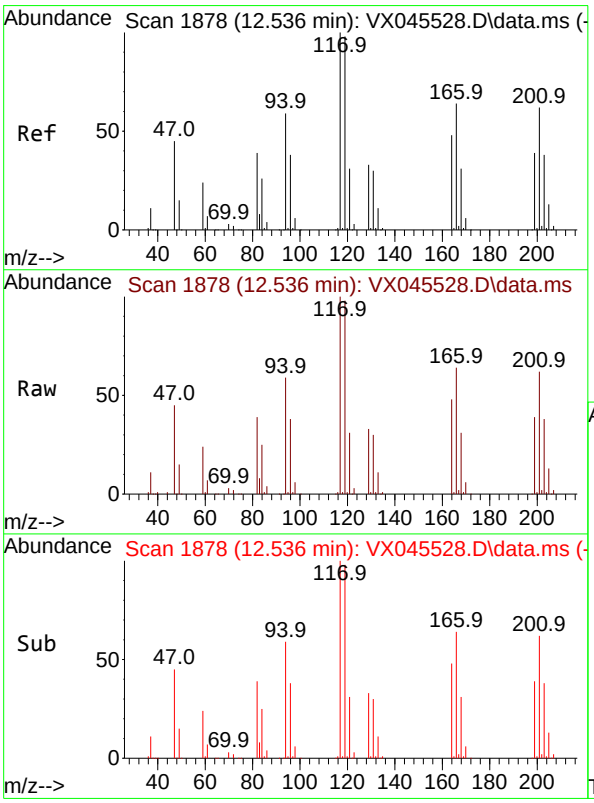
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	23.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

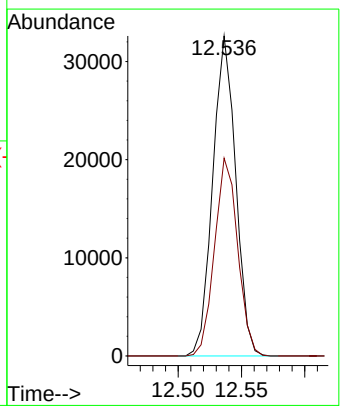
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

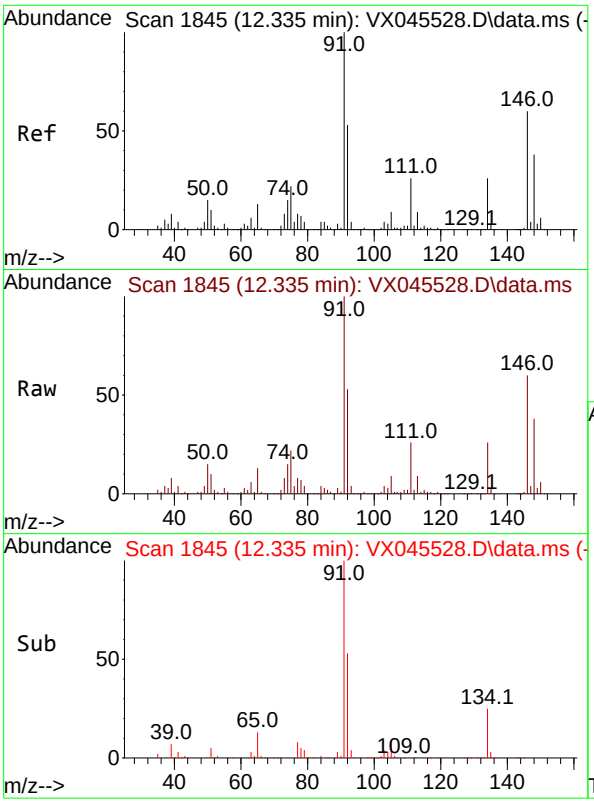


#90
Hexachloroethane
Concen: 52.352 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 41095

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.2	93.6

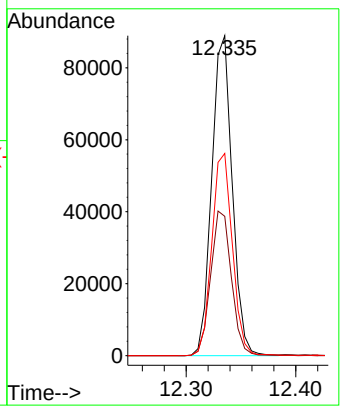




#91
1,2-Dichlorobenzene
Concen: 50.099 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11542

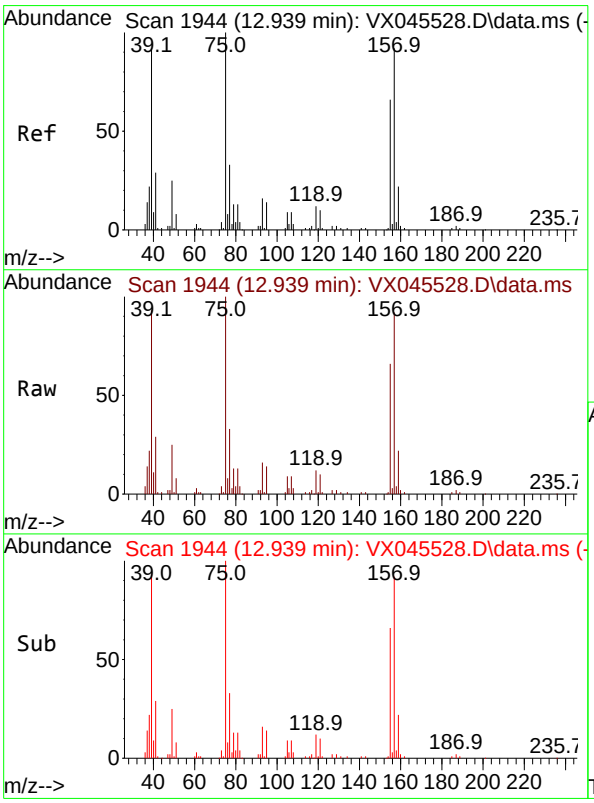
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

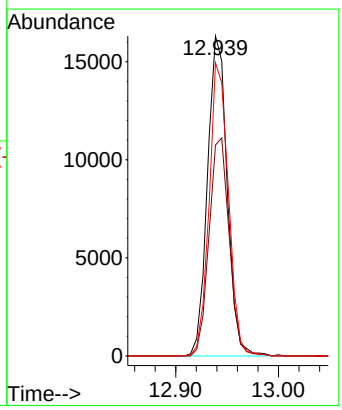
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

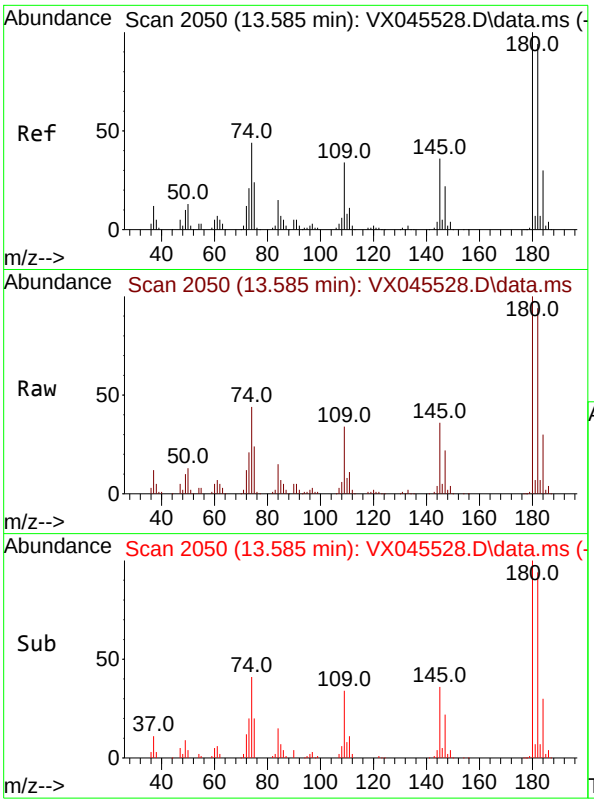


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.638 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 21712

Ion	Ratio	Lower	Upper
75	100		
155	69.8	34.9	104.7
157	89.8	44.9	134.7

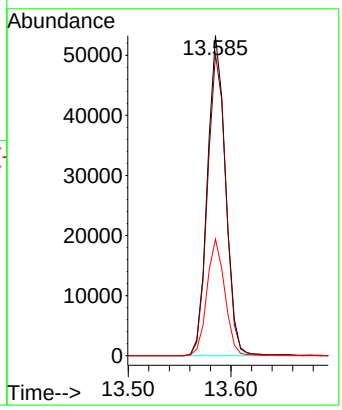




#93
1,2,4-Trichlorobenzene
Concen: 50.797 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 6514

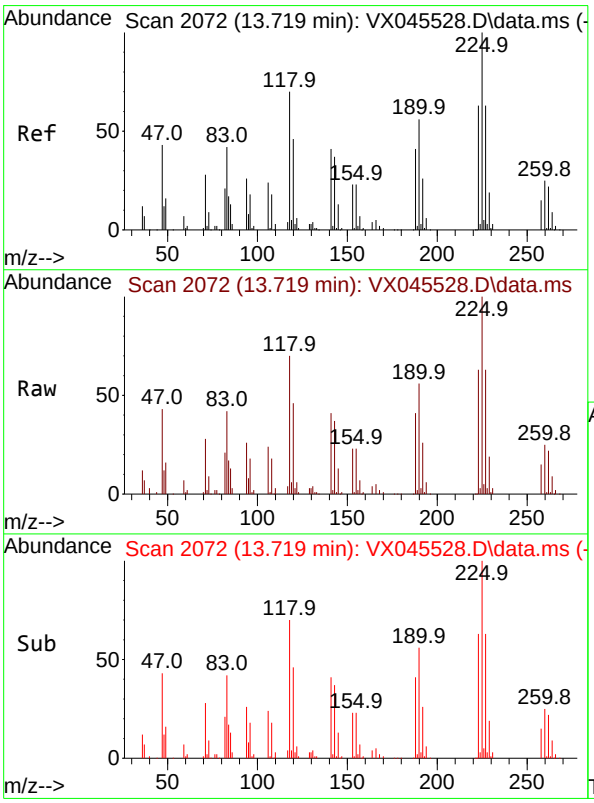
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	35.9	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

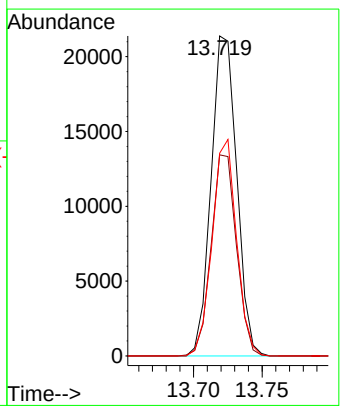
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

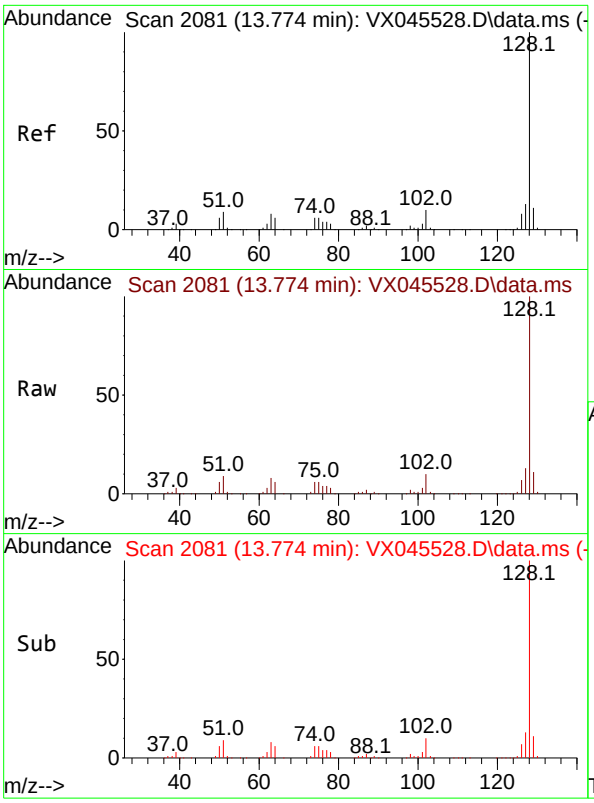


#94
Hexachlorobutadiene
Concen: 50.296 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:225 Resp: 27795

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	64.4	32.2	96.6

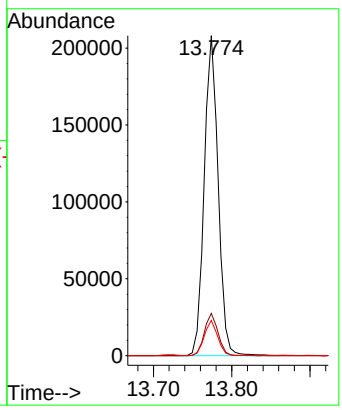




#95
Naphthalene
Concen: 53.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:128 Resp: 25600

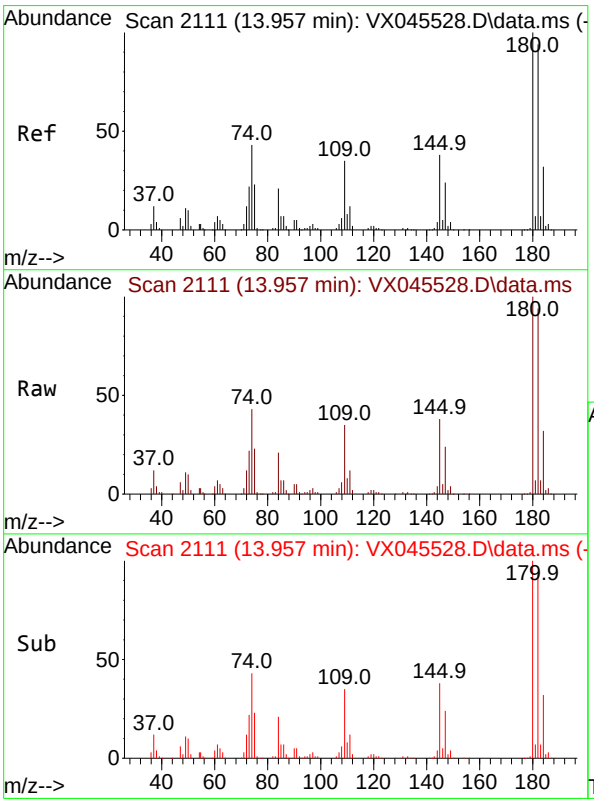
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

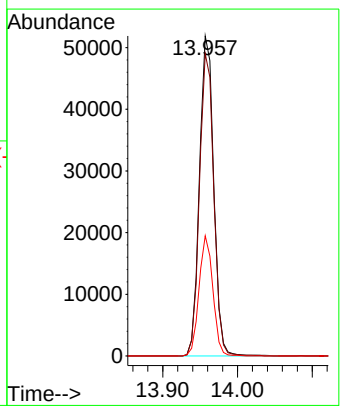
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.219 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 68781

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.4	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	86107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155757	98.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.820%#			
35) Dibromofluoromethane	5.379	113	107908	99.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.160%#			
50) Toluene-d8	8.647	98	375599	99.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.620%#			
62) 4-Bromofluorobenzene	11.079	95	146944	106.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	144108	111.909	ug/l	99
3) Chloromethane	1.307	50	140360	106.098	ug/l	100
4) Vinyl Chloride	1.374	62	127174	105.042	ug/l	99
5) Bromomethane	1.593	94	58706	102.266	ug/l	98
6) Chloroethane	1.660	64	61099	95.120	ug/l	98
7) Trichlorofluoromethane	1.867	101	187555	103.887	ug/l	98
8) Diethyl Ether	2.136	74	61683	101.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106989	101.133	ug/l	97
10) Methyl Iodide	2.441	142	135732	102.863	ug/l	100
11) Tert butyl alcohol	2.989	59	110044	519.999	ug/l	99
12) 1,1-Dichloroethene	2.306	96	106404	102.934	ug/l	99
13) Acrolein	2.233	56	146268	501.914	ug/l	99
14) Allyl chloride	2.654	41	206484	105.276	ug/l	99
15) Acrylonitrile	3.062	53	338970	507.426	ug/l	99
16) Acetone	2.386	43	314285	486.054	ug/l	100
17) Carbon Disulfide	2.502	76	276285	108.215	ug/l	100
18) Methyl Acetate	2.703	43	147272	98.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381719	105.561	ug/l	99
20) Methylene Chloride	2.782	84	121435	100.316	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106896	101.220	ug/l	98
22) Diisopropyl ether	3.757	45	406185	105.132	ug/l	95
23) Vinyl Acetate	3.721	43	1848817	553.853	ug/l	99
24) 1,1-Dichloroethane	3.605	63	220934	101.114	ug/l	100
25) 2-Butanone	4.556	43	491249	519.018	ug/l	100
26) 2,2-Dichloropropane	4.465	77	155592	110.215	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129785	100.871	ug/l	98
28) Bromochloromethane	4.891	49	105093	99.530	ug/l	100
29) Tetrahydrofuran	5.001	42	313121	510.264	ug/l	99
30) Chloroform	5.086	83	225402	100.255	ug/l	99
31) Cyclohexane	5.458	56	197136	102.056	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	198511	104.346	ug/l	99
36) 1,1-Dichloropropene	5.684	75	151448	103.515	ug/l	99
37) Ethyl Acetate	4.715	43	192130	104.207	ug/l	99
38) Carbon Tetrachloride	5.672	117	166465	105.278	ug/l	99
39) Methylcyclohexane	7.373	83	191752	106.921	ug/l	99
40) Benzene	6.031	78	452946	101.369	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	107037	109.068	ug/l		99
42) 1,2-Dichloroethane	6.080	62	189528	102.696	ug/l		100
43) Isopropyl Acetate	6.336	43	305974	109.494	ug/l		100
44) Trichloroethene	7.123	130	107332	101.062	ug/l		97
45) 1,2-Dichloropropane	7.421	63	115731	103.806	ug/l		98
46) Dibromomethane	7.574	93	87381	102.101	ug/l		97
47) Bromodichloromethane	7.818	83	179265	104.886	ug/l		98
48) Methyl methacrylate	7.690	41	158241	109.675	ug/l		99
49) 1,4-Dioxane	7.665	88	52624	2015.906	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	988881	533.814	ug/l		99
52) Toluene	8.714	92	276323	102.199	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	169413	100.645	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	182328	113.521	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109208	101.361	ug/l		98
56) Ethyl methacrylate	9.116	69	192034	115.168	ug/l		99
57) 1,3-Dichloropropane	9.305	76	192473	102.588	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	460297	545.696	ug/l		100
59) 2-Hexanone	9.427	43	738772	538.538	ug/l		99
60) Dibromochloromethane	9.519	129	128700	109.570	ug/l		98
61) 1,2-Dibromoethane	9.604	107	115919	106.282	ug/l		99
64) Tetrachloroethene	9.269	164	90817	94.325	ug/l		99
65) Chlorobenzene	10.073	112	296300	101.682	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	103437	102.243	ug/l		99
67) Ethyl Benzene	10.189	91	543568	104.152	ug/l		99
68) m/p-Xylenes	10.299	106	394241	207.694	ug/l		100
69) o-Xylene	10.640	106	195381	104.487	ug/l		99
70) Styrene	10.653	104	335333	108.654	ug/l		100
71) Bromoform	10.799	173	83632	110.714	ug/l	#	97
73) Isopropylbenzene	10.957	105	522436	100.944	ug/l		100
74) N-amyl acetate	10.842	43	275462	111.267	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	174977	96.243	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	154048m	97.744	ug/l		
77) Bromobenzene	11.195	156	119561	99.983	ug/l		99
78) n-propylbenzene	11.299	91	622679	104.454	ug/l		100
79) 2-Chlorotoluene	11.360	91	376682	98.840	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	435137	101.675	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	51873	111.704	ug/l		95
82) 4-Chlorotoluene	11.451	91	432884	101.877	ug/l		99
83) tert-Butylbenzene	11.713	119	437649	103.292	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	444211	103.414	ug/l		99
85) sec-Butylbenzene	11.890	105	546857	105.082	ug/l		100
86) p-Isopropyltoluene	12.006	119	453109	105.609	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	221481	101.749	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	216367	98.047	ug/l		98
89) n-Butylbenzene	12.329	91	420694	113.075	ug/l		99
90) Hexachloroethane	12.536	117	80489	109.160	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	215157	99.419	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43047	113.214	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	135046	112.106	ug/l		99
94) Hexachlorobutadiene	13.725	225	53636	103.326	ug/l		98
95) Naphthalene	13.774	128	499719	111.473	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	137328	108.869	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

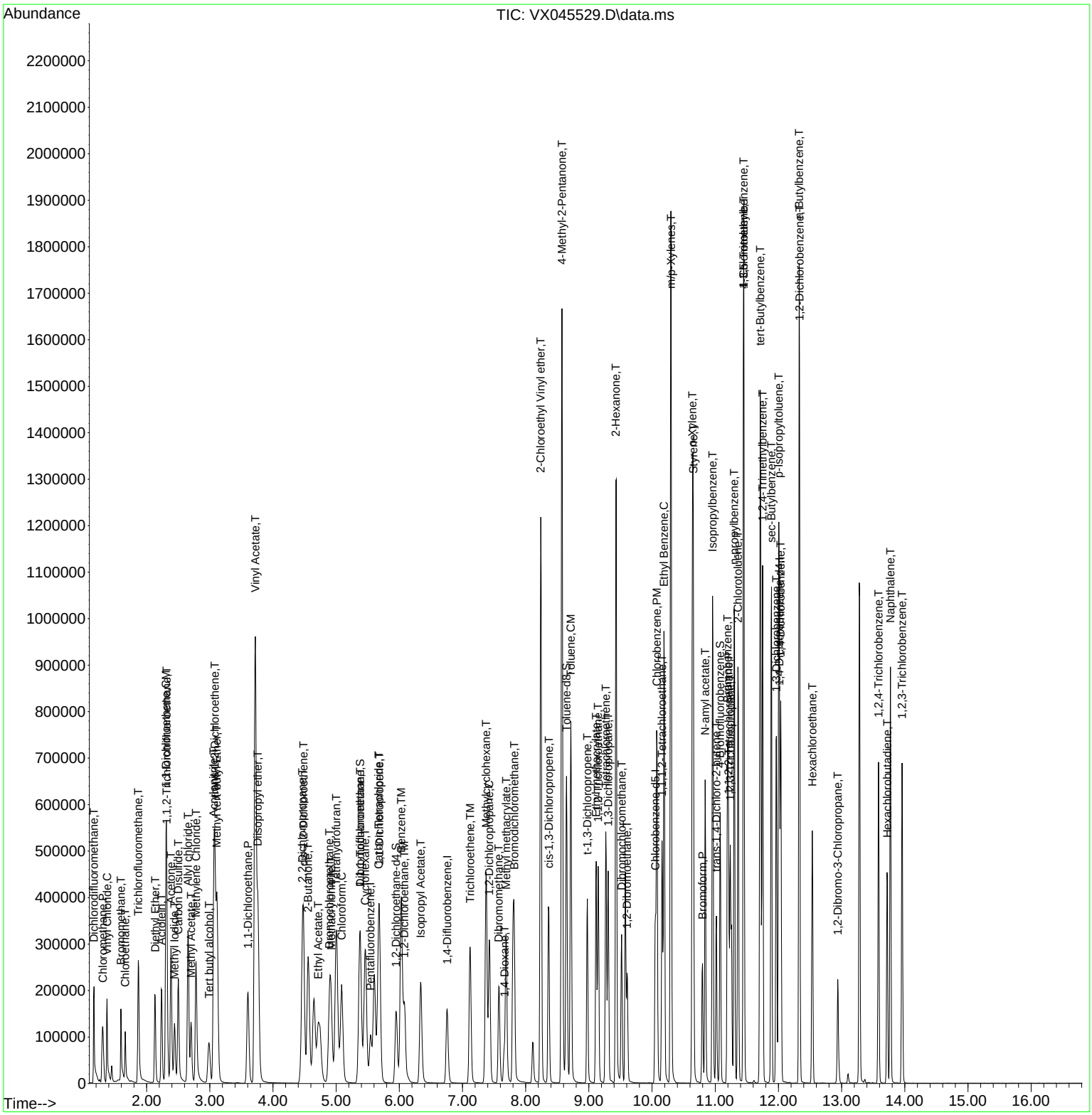
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Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

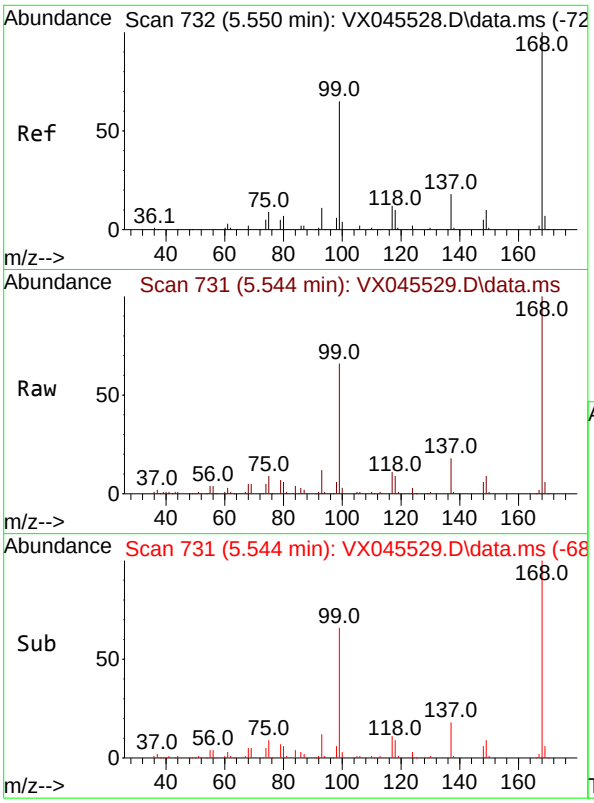
Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

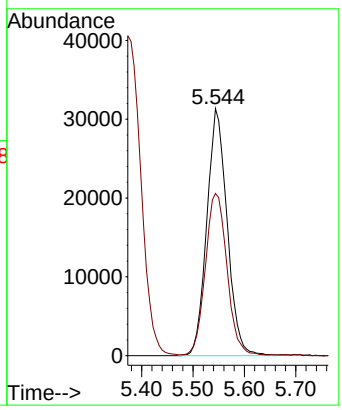




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:168 Resp: 8610

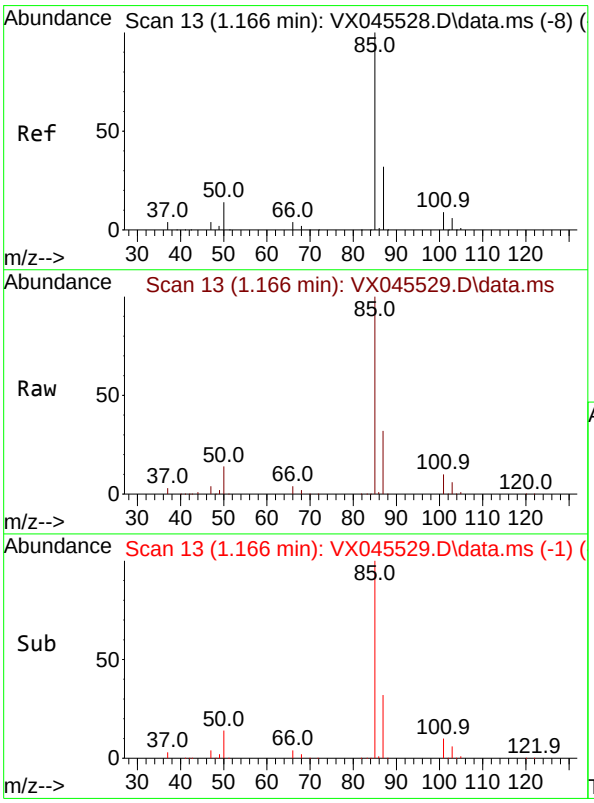
Ion	Ratio	Lower	Upper
168	100		
99	65.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

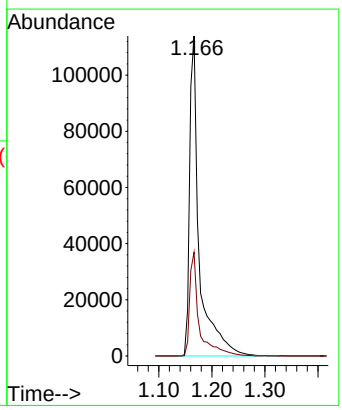
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

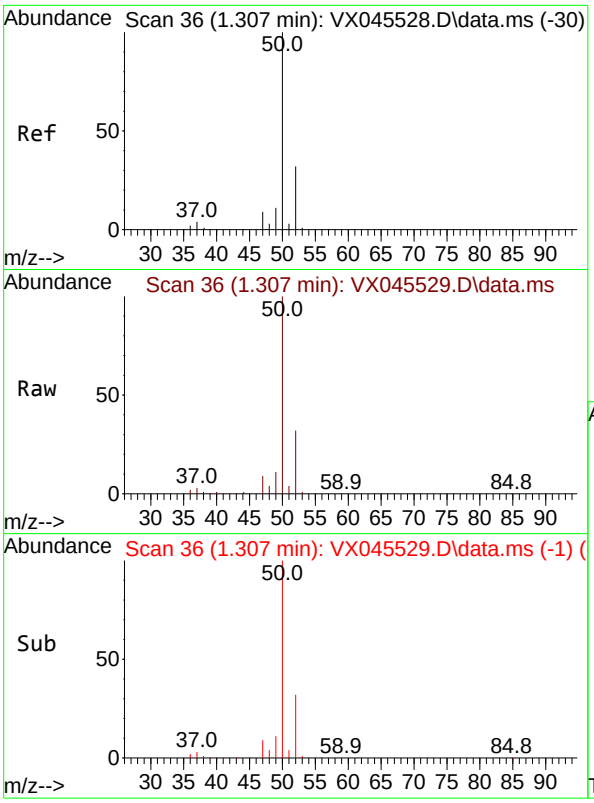


#2
Dichlorodifluoromethane
Concen: 111.909 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 85 Resp: 144108

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2

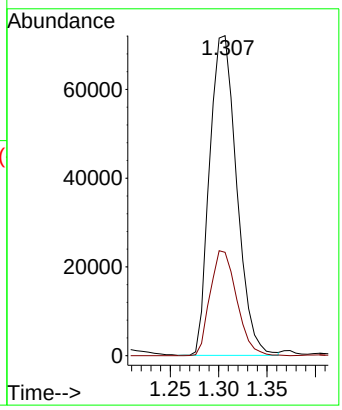




#3
Chloromethane
Concen: 106.098 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 50 Resp: 14036

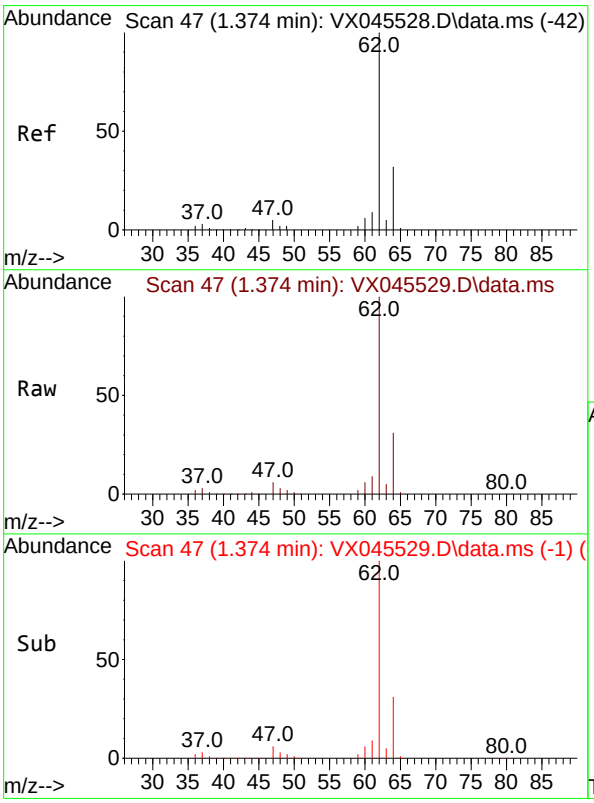
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

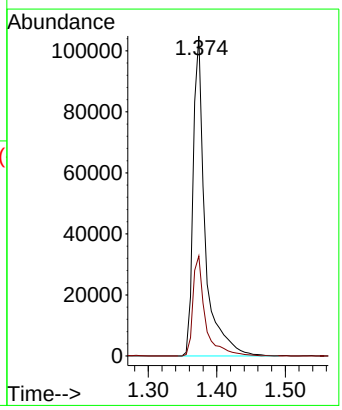
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

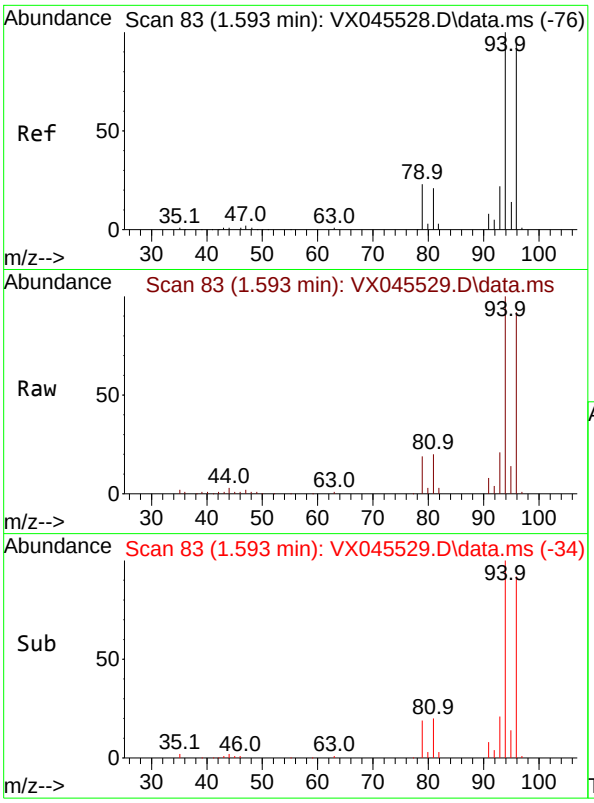


#4
Vinyl Chloride
Concen: 105.042 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 127174

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3

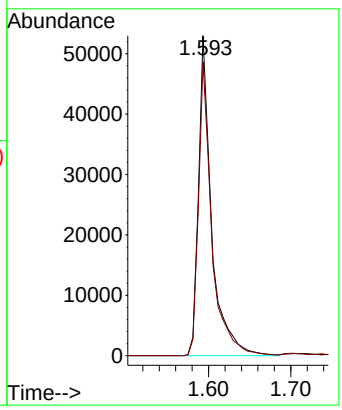




#5
Bromomethane
Concen: 102.266 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 94 Resp: 5870

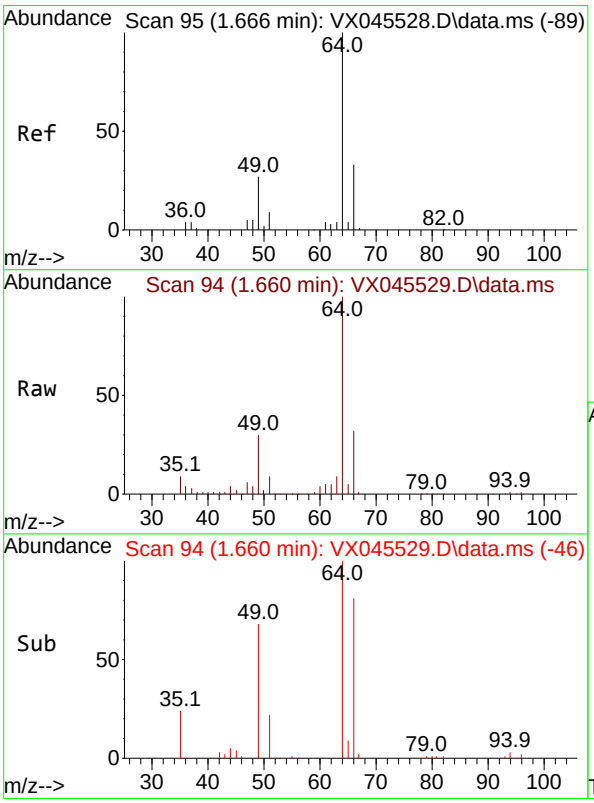
Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

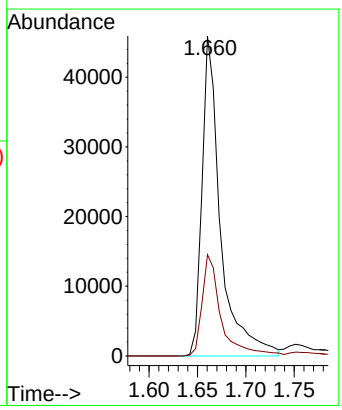
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

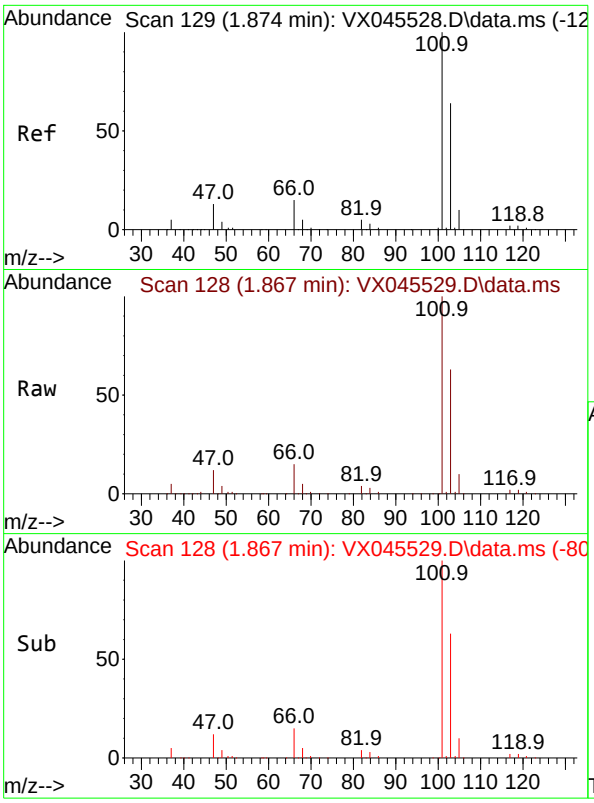


#6
Chloroethane
Concen: 95.120 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 64 Resp: 61099

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.3	39.5

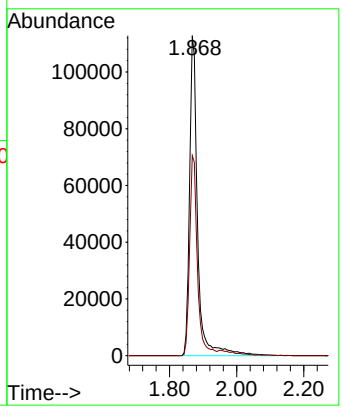




#7
Trichlorofluoromethane
Concen: 103.887 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 18755

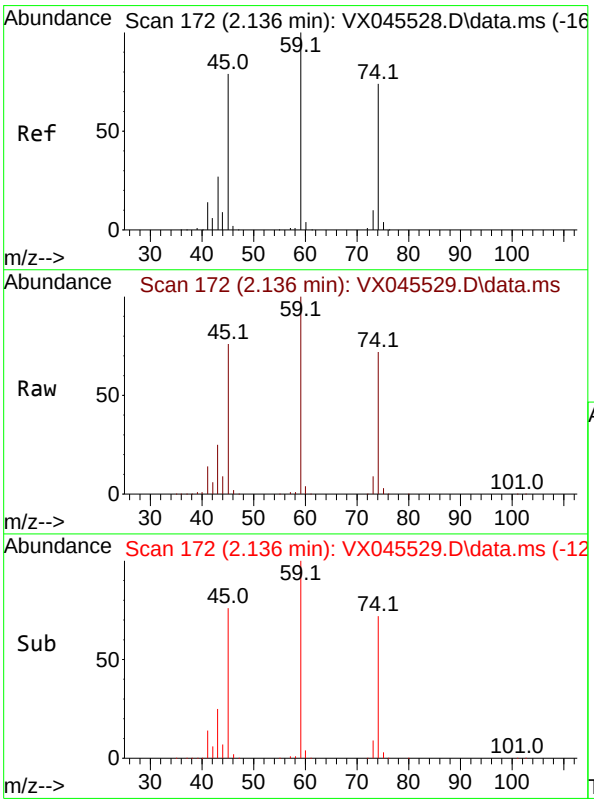
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

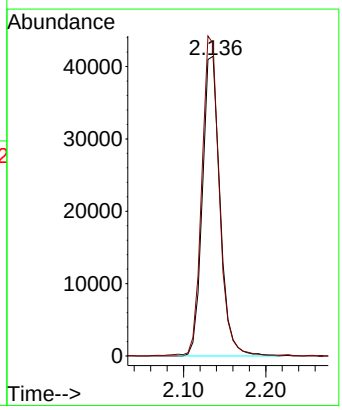
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

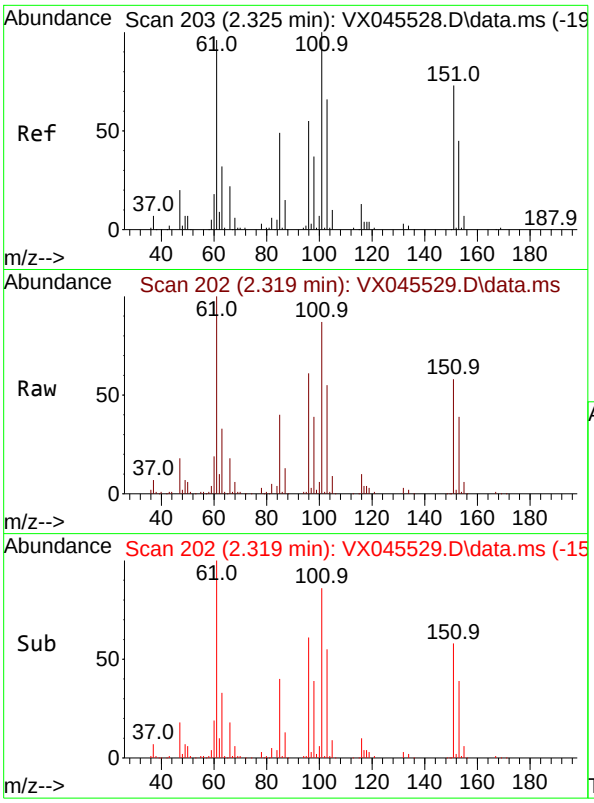


#8
Diethyl Ether
Concen: 101.767 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 74 Resp: 61683

Ion	Ratio	Lower	Upper
74	100		
45	106.7	53.0	159.1

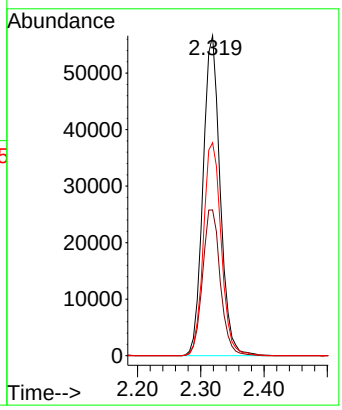




#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.133 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 10698

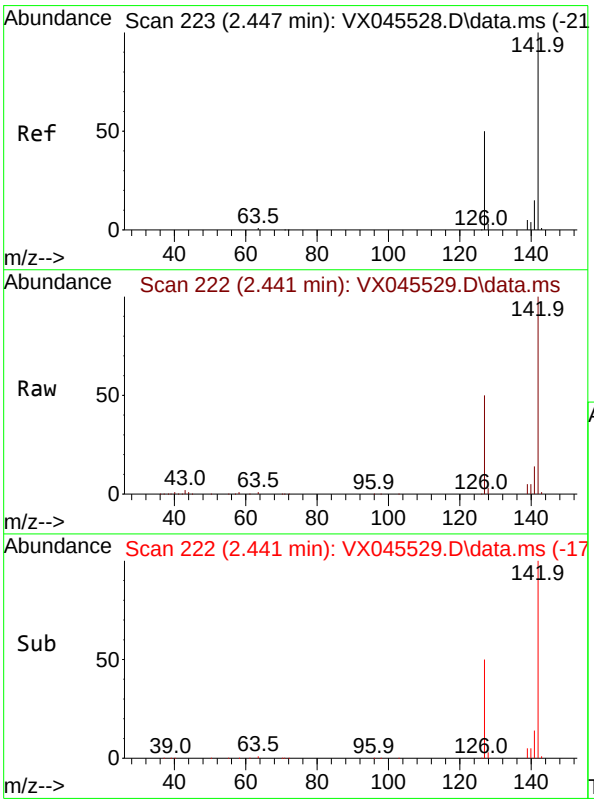
Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.9	58.3
151	69.0	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

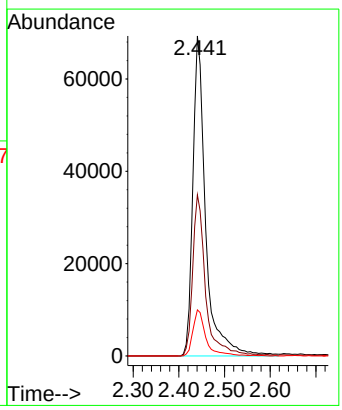
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

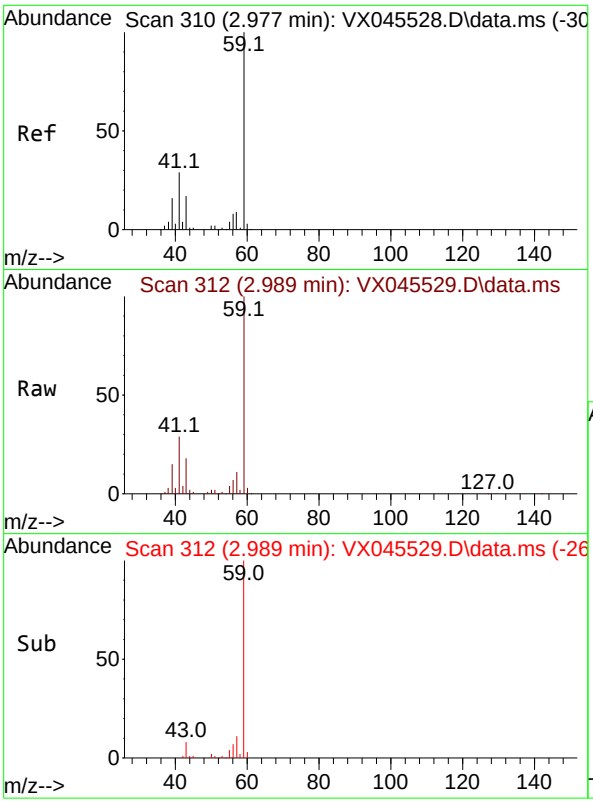


#10
Methyl Iodide
Concen: 102.863 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:142 Resp: 135732

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.5	11.7	17.5

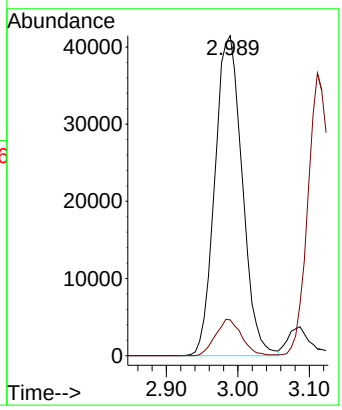




#11
Tert butyl alcohol
Concen: 519.999 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 59 Resp: 11004

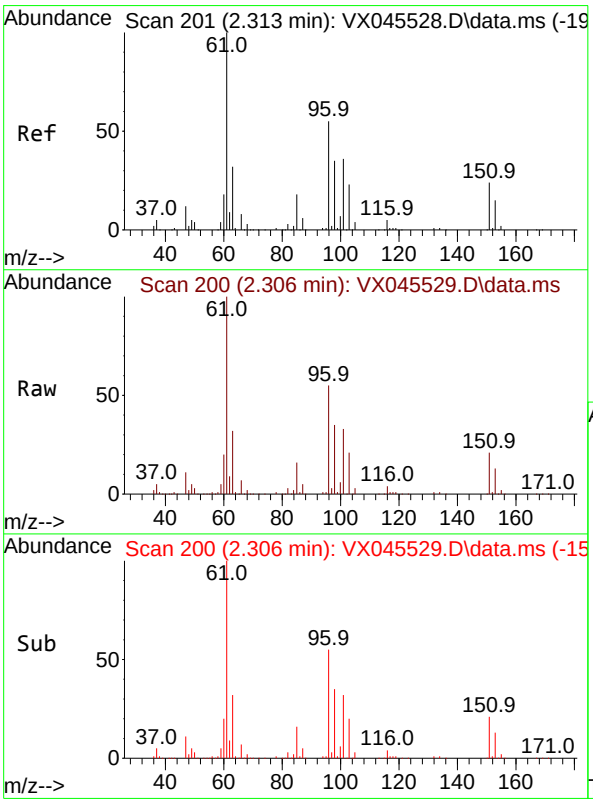
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

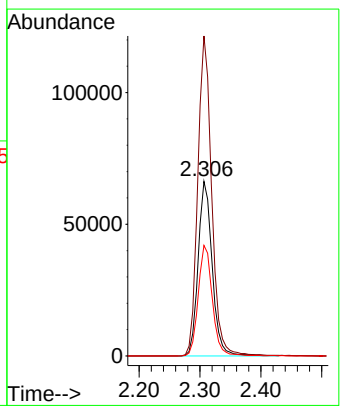
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

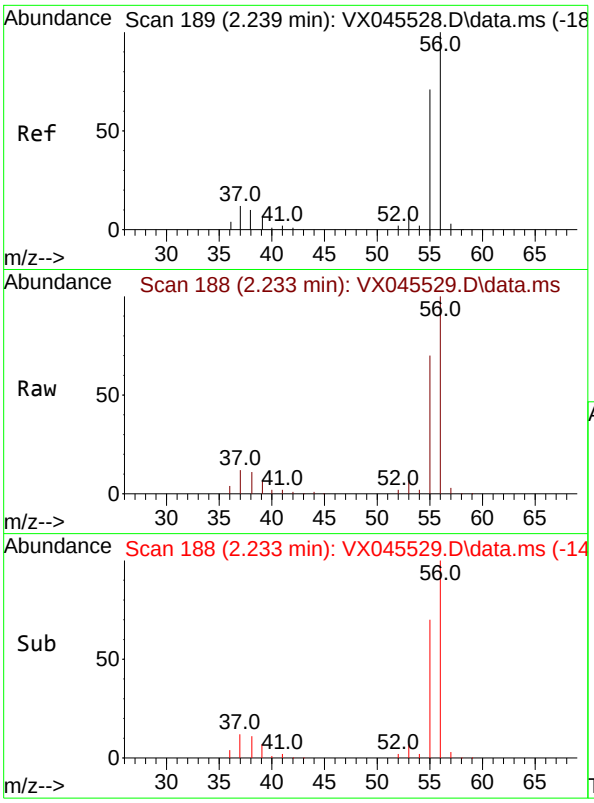


#12
1,1-Dichloroethene
Concen: 102.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 106404

Ion	Ratio	Lower	Upper
96	100		
61	183.3	145.7	218.5
98	63.3	51.6	77.4

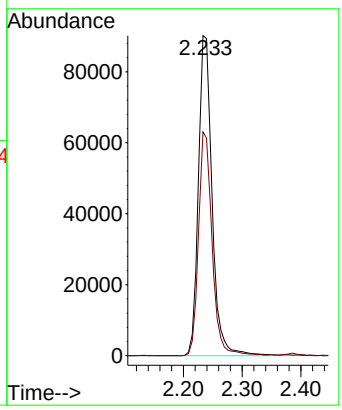




#13
Acrolein
Concen: 501.914 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 14626

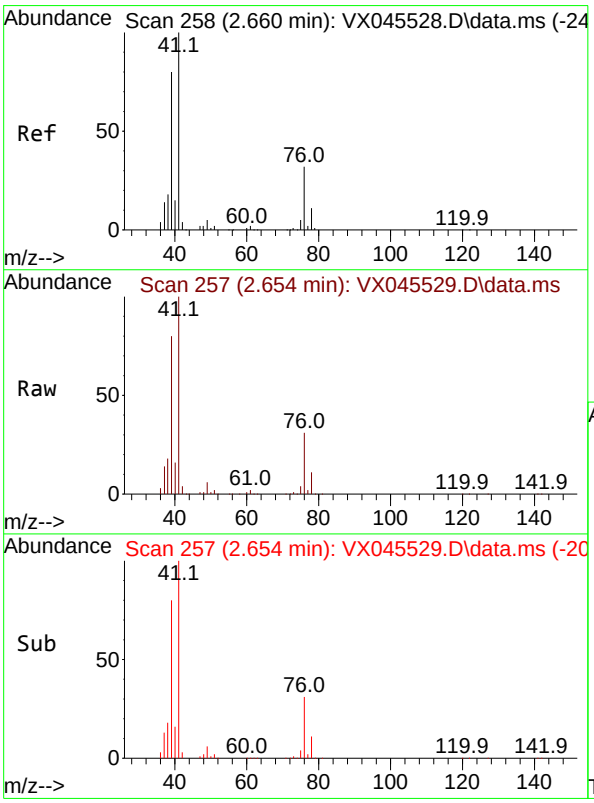
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

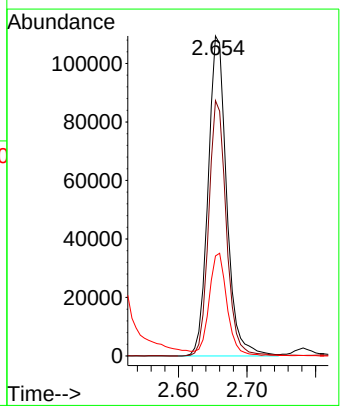
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

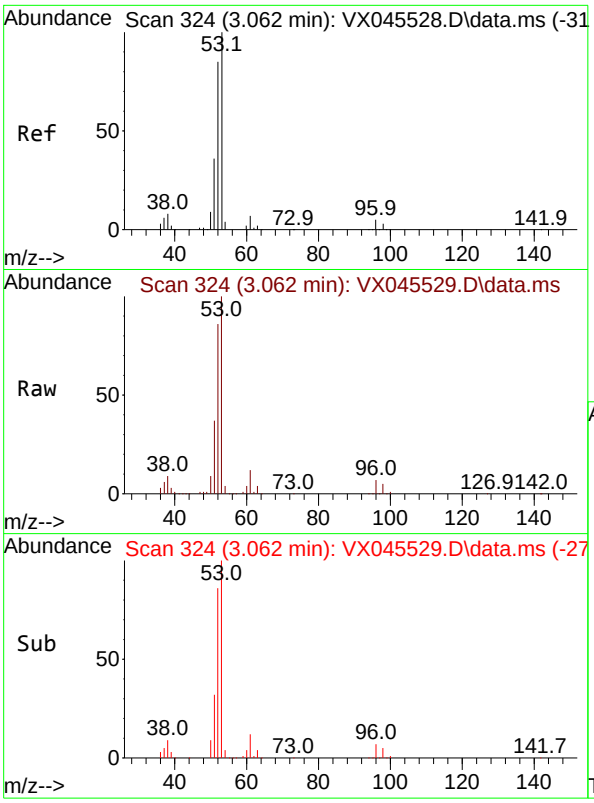


#14
Allyl chloride
Concen: 105.276 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 206484

Ion	Ratio	Lower	Upper
41	100		
39	75.8	60.2	90.2
76	31.3	24.6	36.8

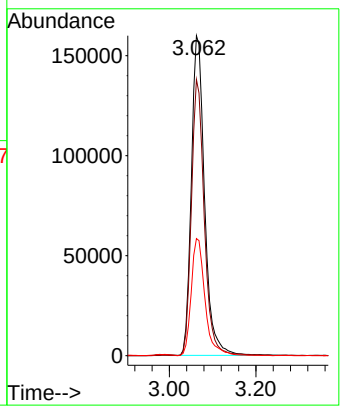




#15
Acrylonitrile
Concen: 507.426 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 53 Resp: 33897

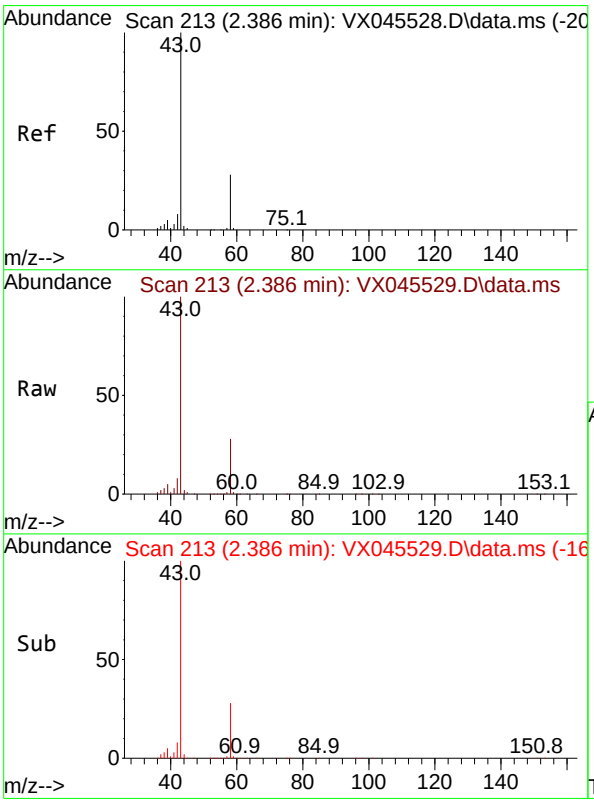
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.2
51	38.0	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

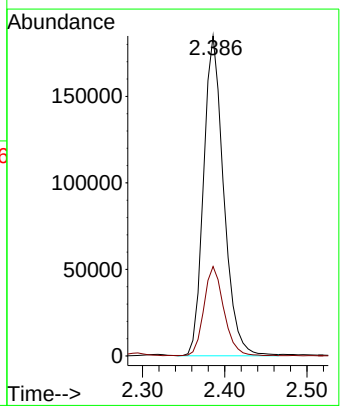
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

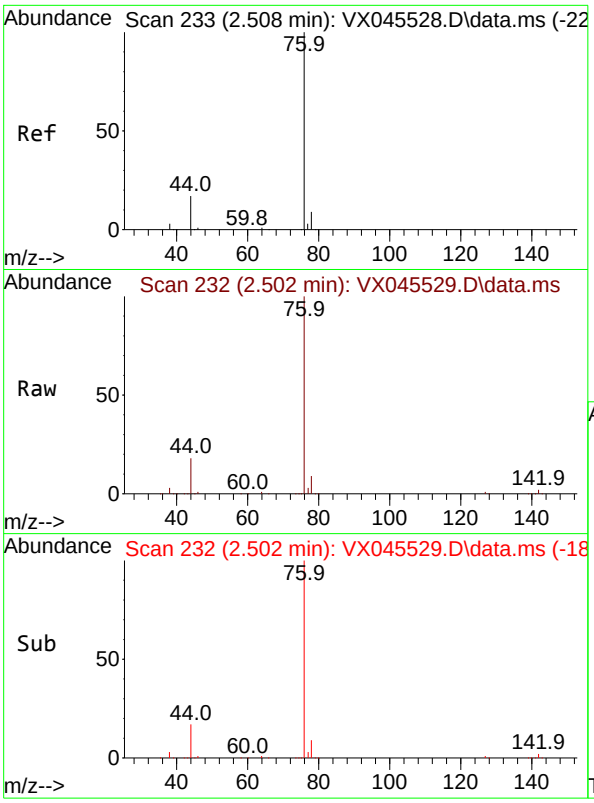


#16
Acetone
Concen: 486.054 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 314285

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5

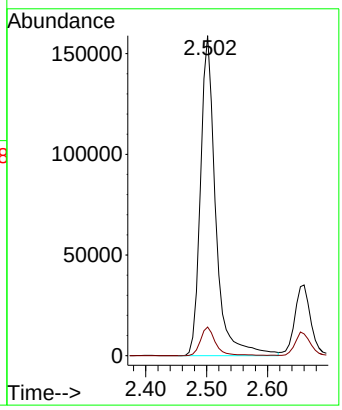




#17
Carbon Disulfide
Concen: 108.215 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 76 Resp: 27628

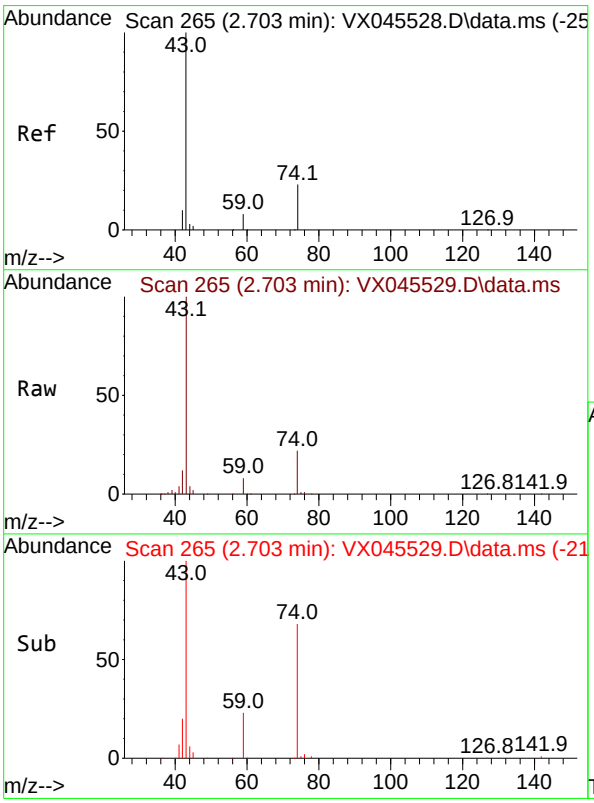
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

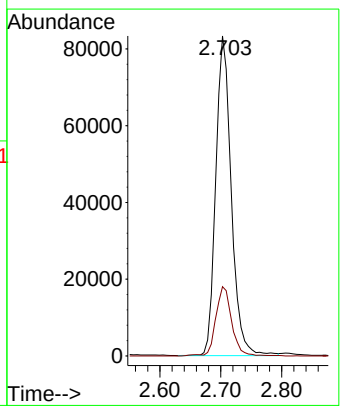
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

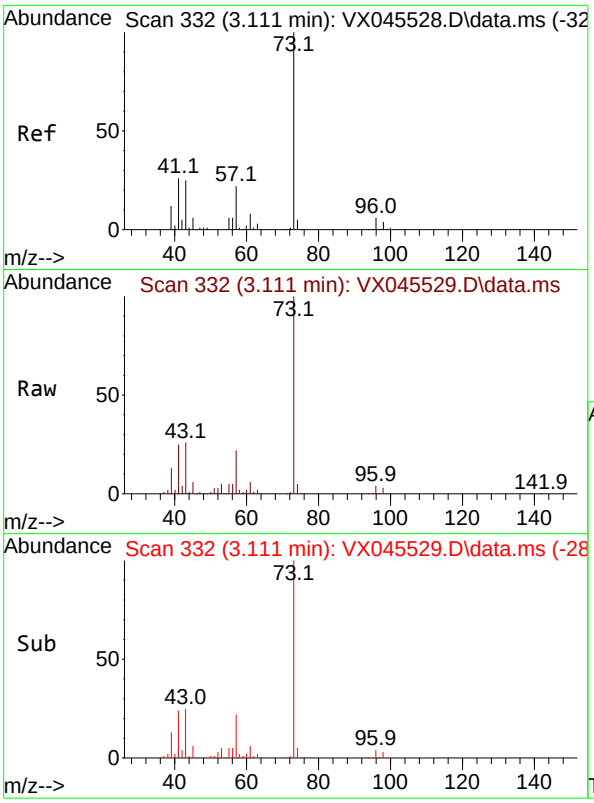


#18
Methyl Acetate
Concen: 98.925 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 147272

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3

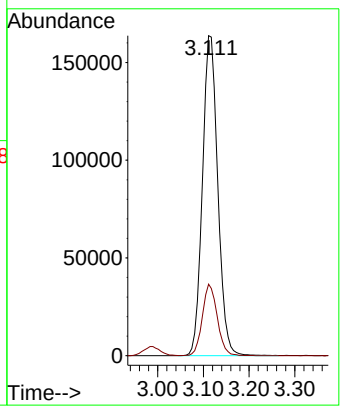




#19
Methyl tert-butyl Ether
Concen: 105.561 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 73 Resp: 38171

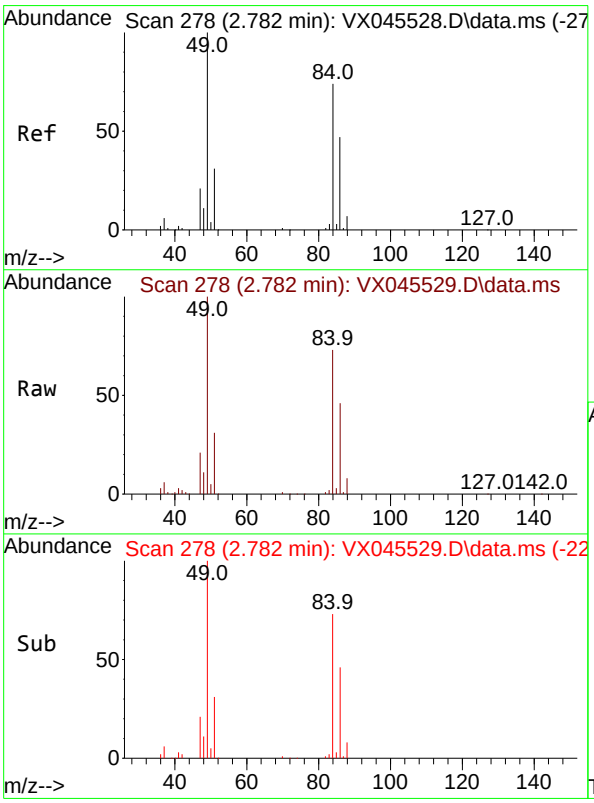
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

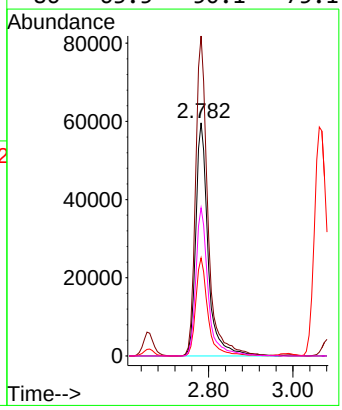
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

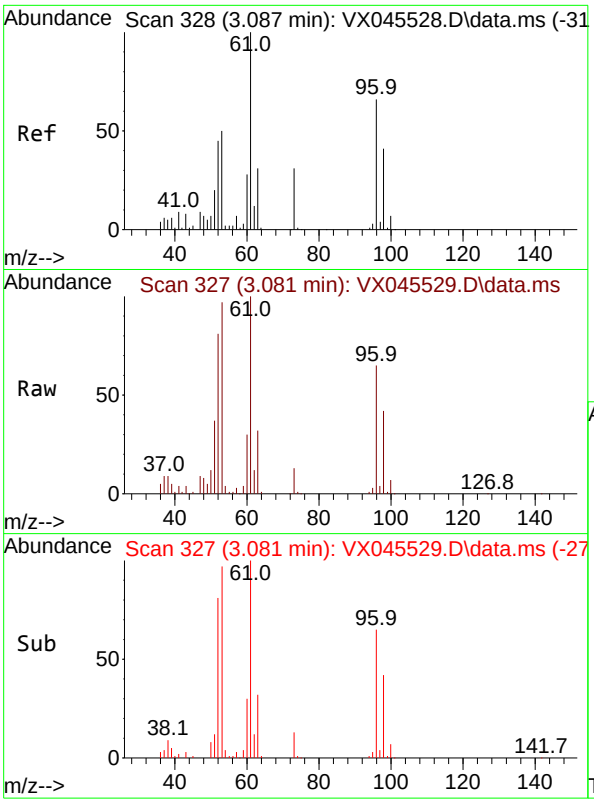


#20
Methylene Chloride
Concen: 100.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 84 Resp: 121435

Ion	Ratio	Lower	Upper
84	100		
49	137.2	107.5	161.3
51	42.1	33.0	49.6
86	63.5	50.1	75.1

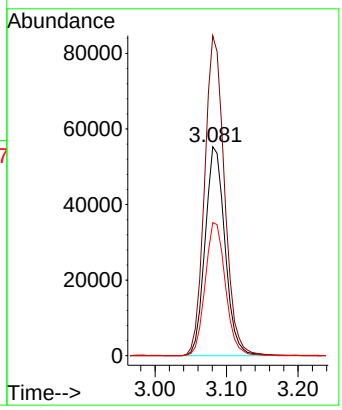




#21
trans-1,2-Dichloroethene
Concen: 101.220 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 10689

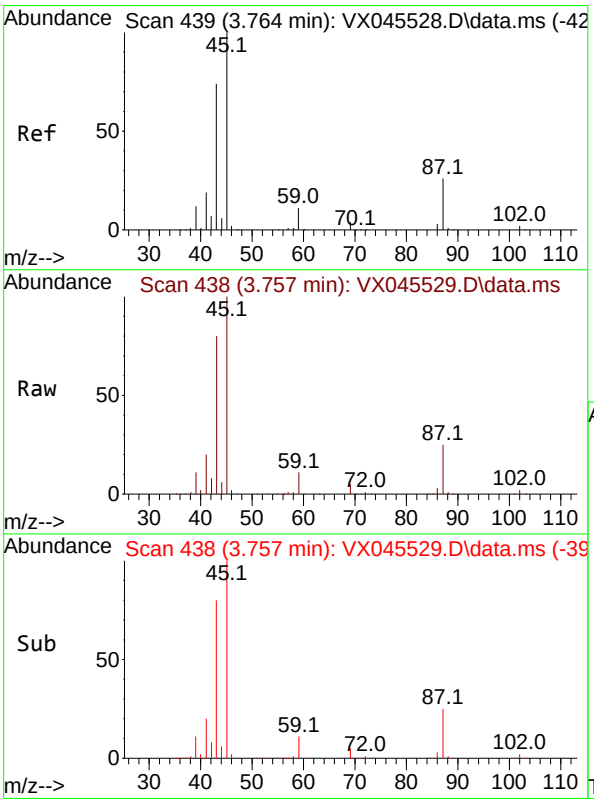
Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.0	181.6
98	63.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

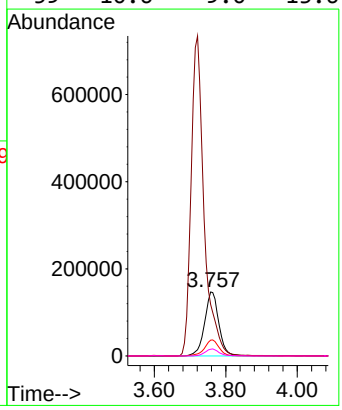
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

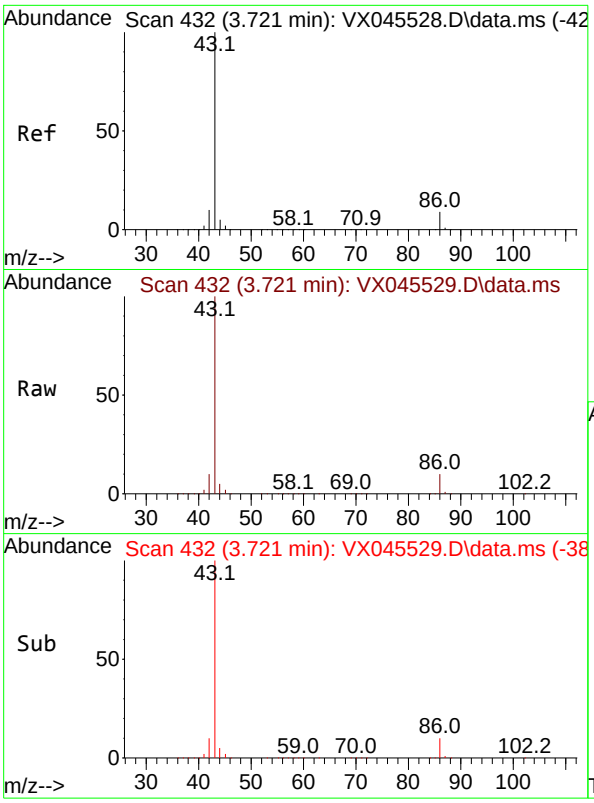


#22
Diisopropyl ether
Concen: 105.132 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 45 Resp: 406185

Ion	Ratio	Lower	Upper
45	100		
43	80.1	59.3	88.9
87	24.7	20.4	30.6
59	10.6	9.0	13.6

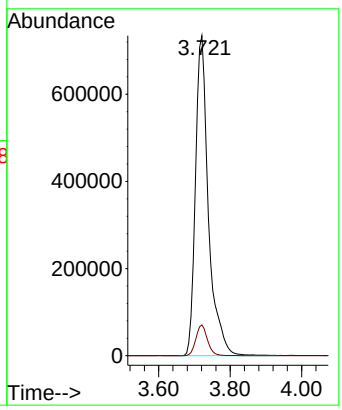




#23
Vinyl Acetate
Concen: 553.853 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 184881

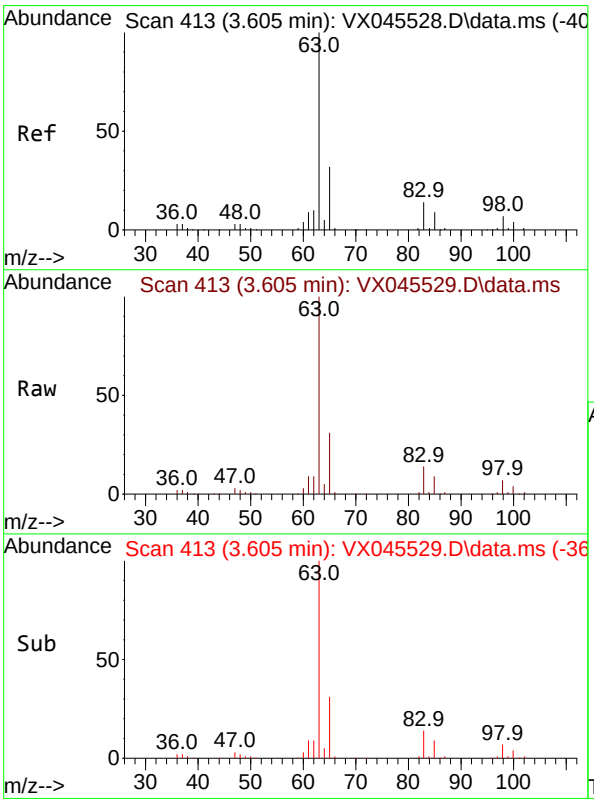
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

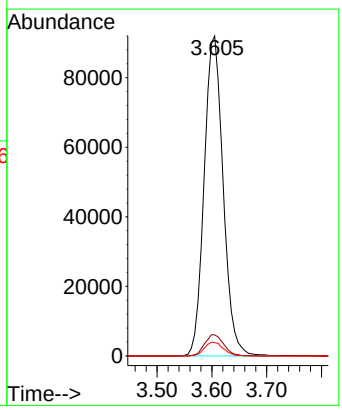
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

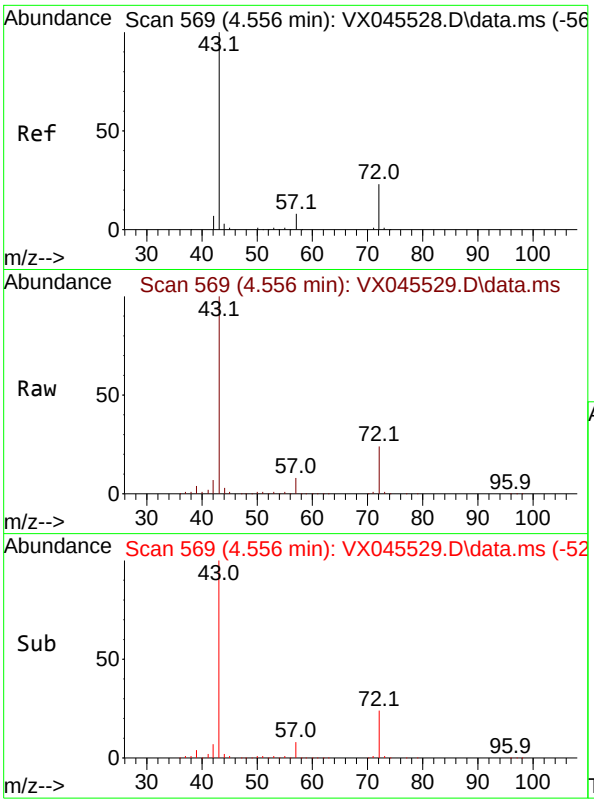


#24
1,1-Dichloroethane
Concen: 101.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 220934

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.2	2.2	6.6

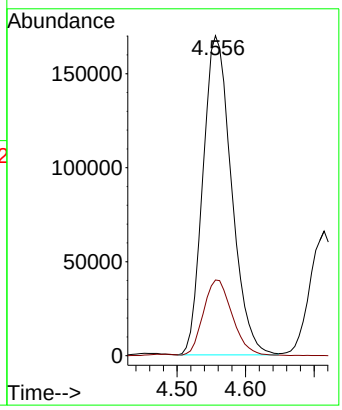




#25
2-Butanone
Concen: 519.018 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 49124

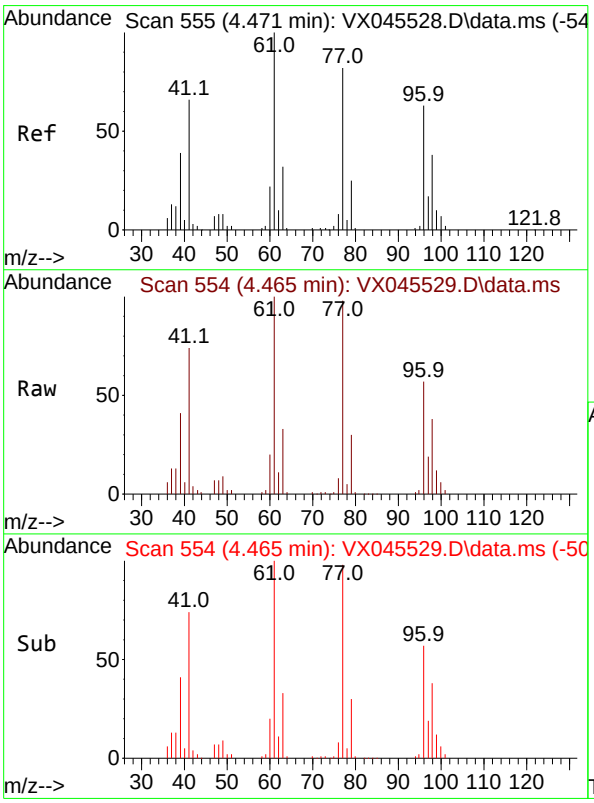
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

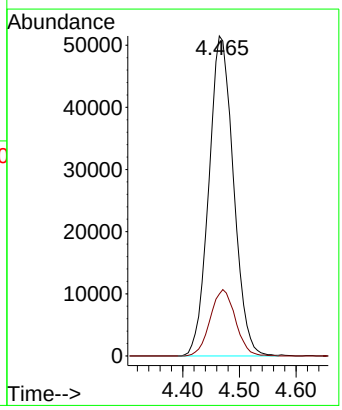
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

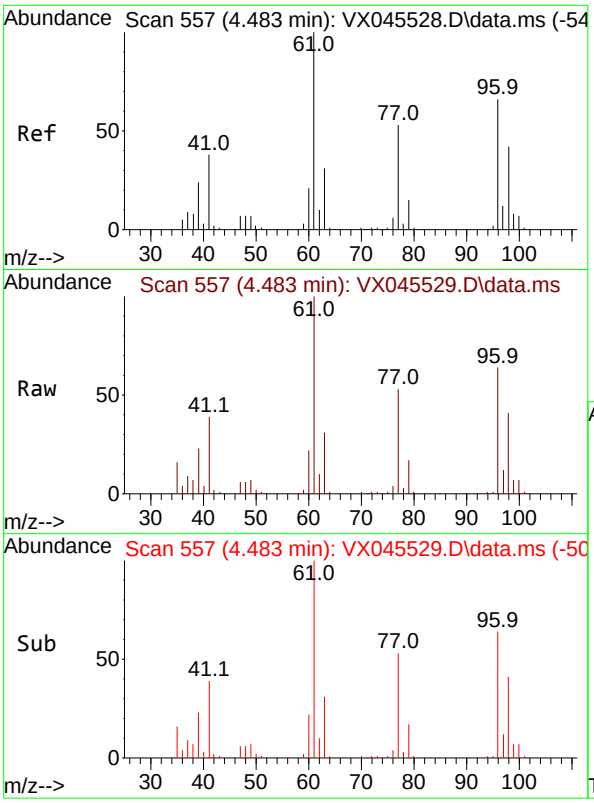


#26
2,2-Dichloropropane
Concen: 110.215 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 77 Resp: 155592

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

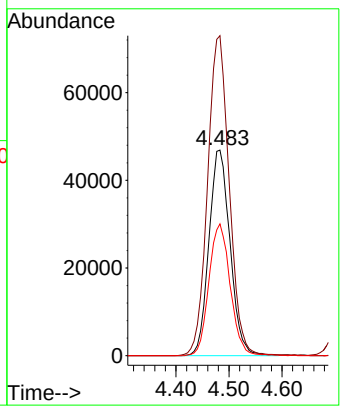




#27
cis-1,2-Dichloroethene
Concen: 100.871 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 12978

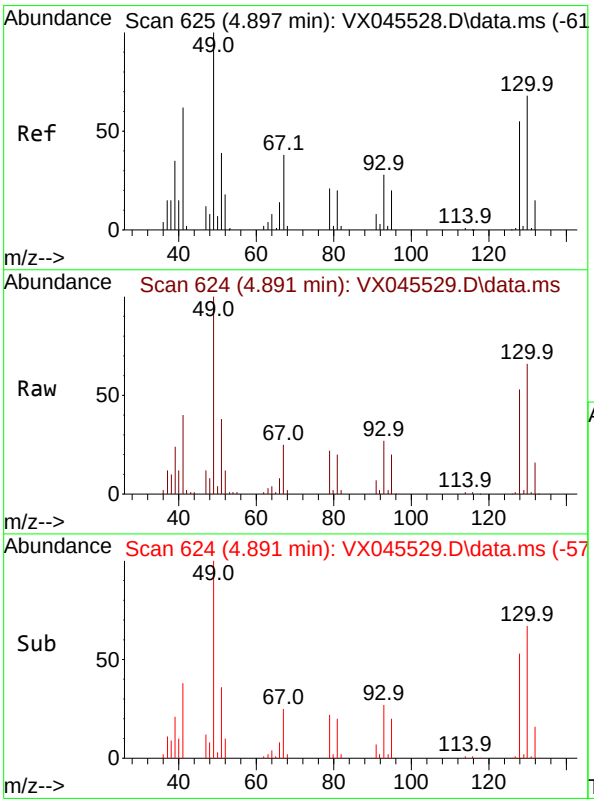
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	313.2
98	64.7	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

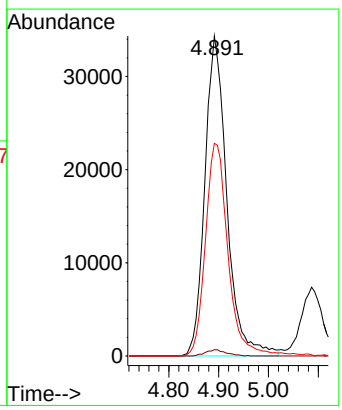
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

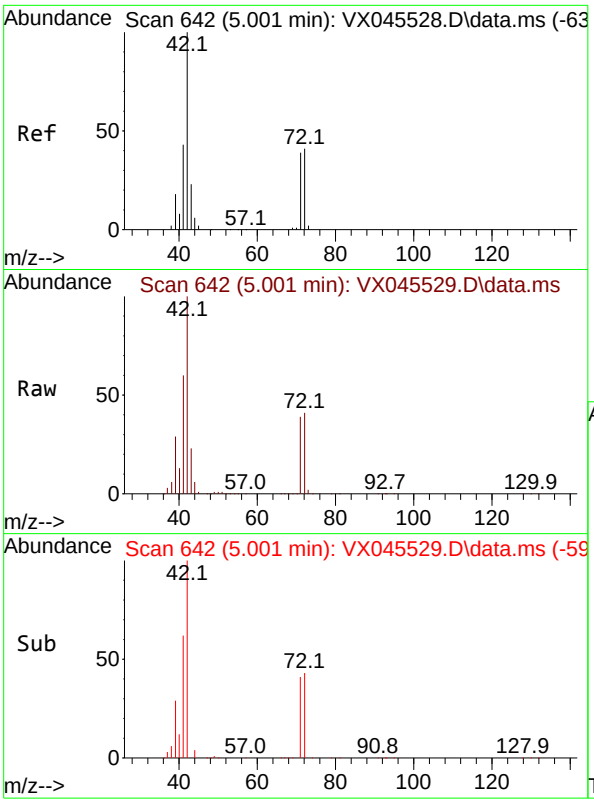


#28
Bromochloromethane
Concen: 99.530 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 49 Resp: 105093

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.4	54.6	81.8





#29
Tetrahydrofuran
Concen: 510.264 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

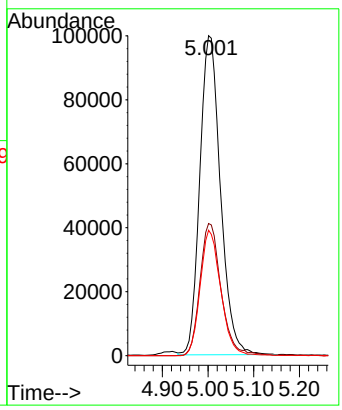
Tgt Ion: 42 Resp: 31312

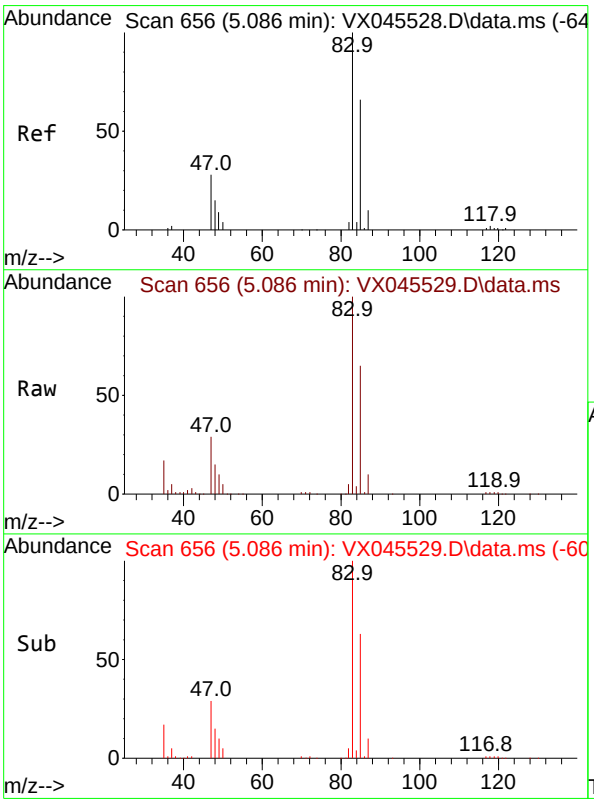
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

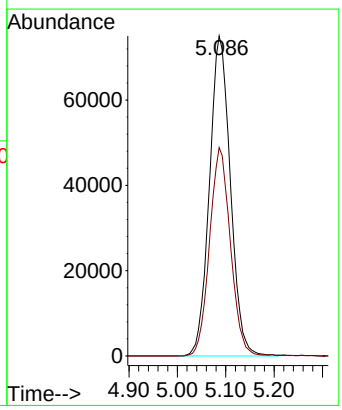


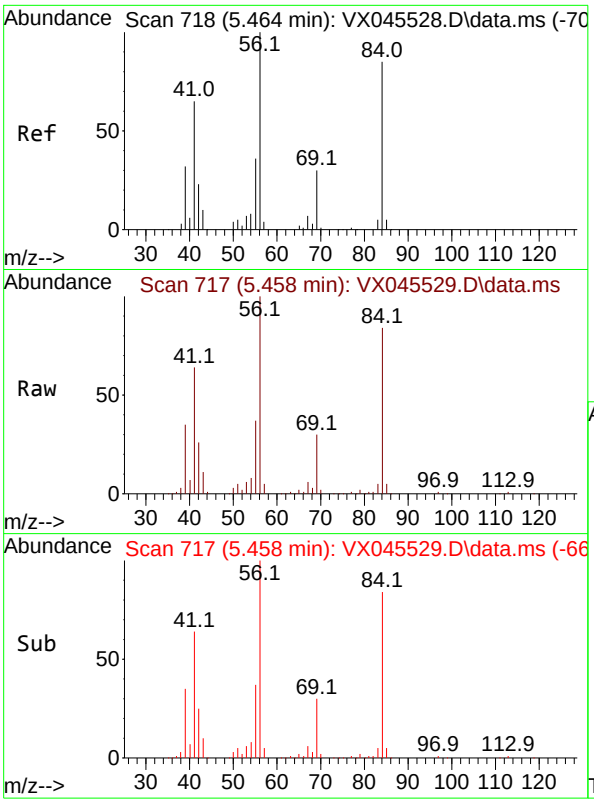


#30
Chloroform
Concen: 100.255 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 225402

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

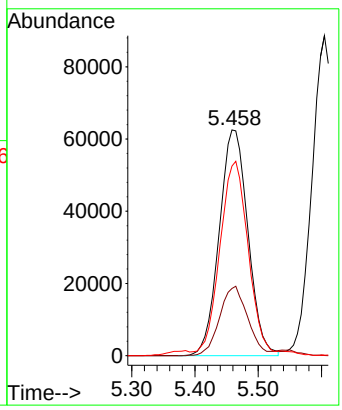




#31
Cyclohexane
Concen: 102.056 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 19713

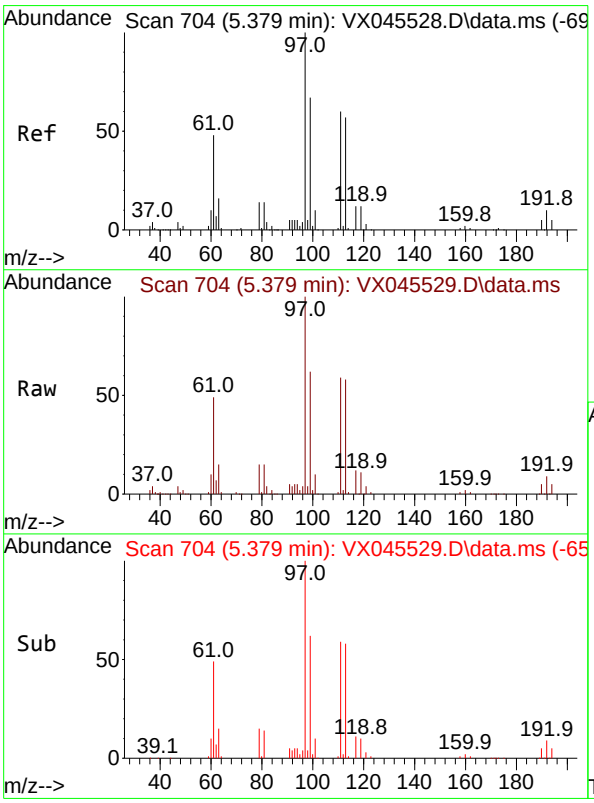
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	82.1	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

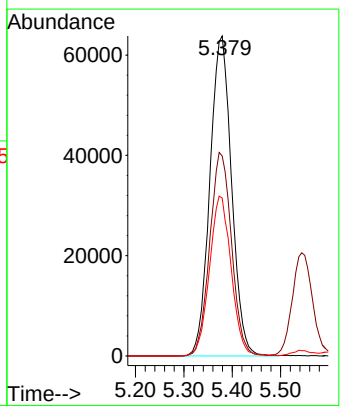
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

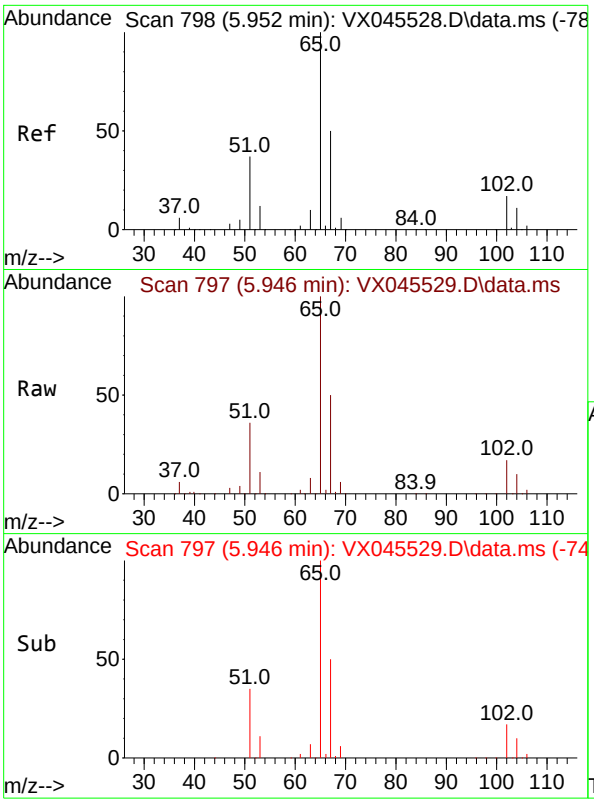


#32
1,1,1-Trichloroethane
Concen: 104.346 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 97 Resp: 198511

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	50.2	41.0	61.4

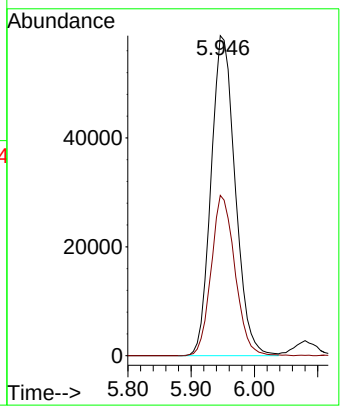




#33
1,2-Dichloroethane-d4
Concen: 98.914 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 65 Resp: 15575

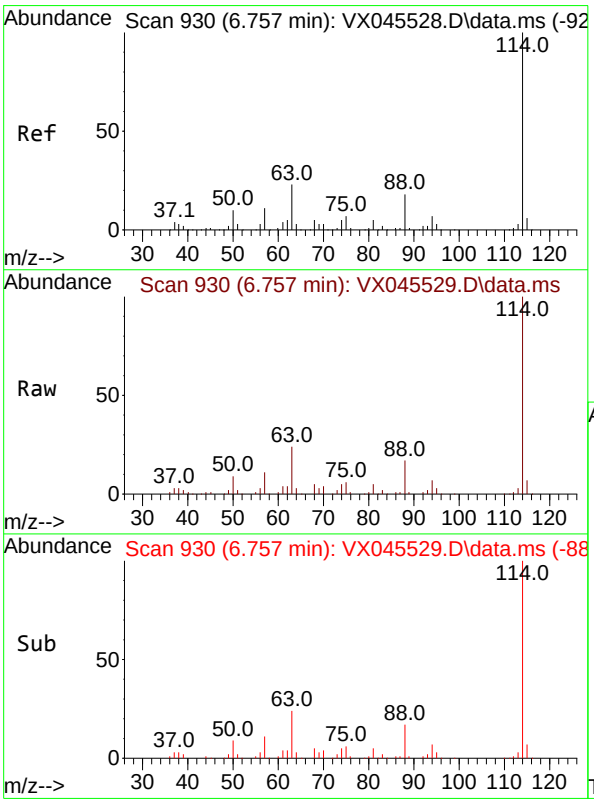
Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

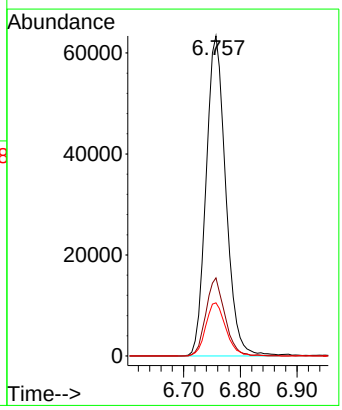
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

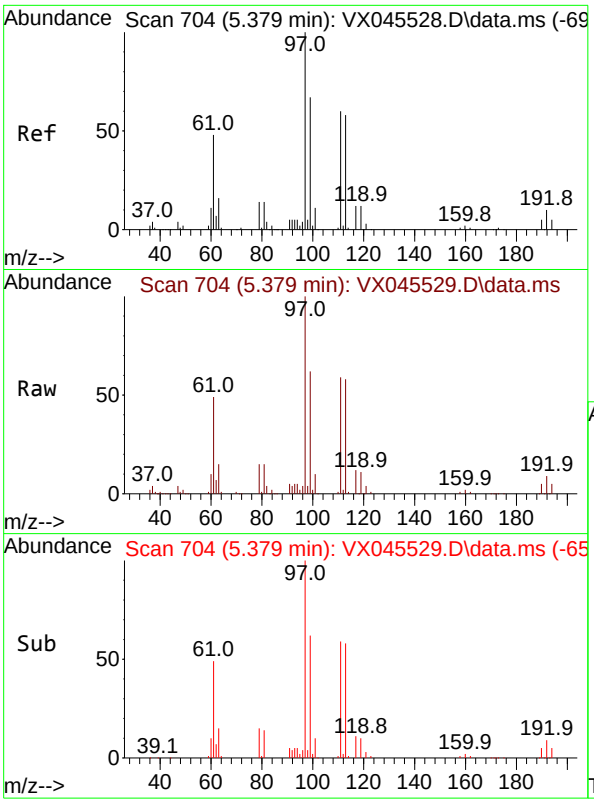


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:114 Resp: 152724

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.6	0.0	35.4

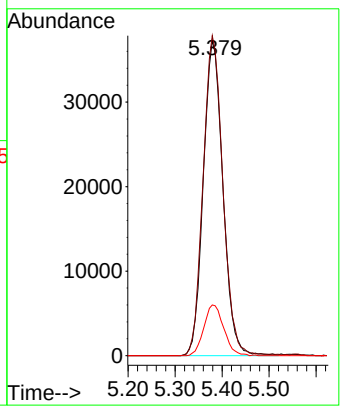




#35
Dibromofluoromethane
Concen: 99.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:113 Resp: 10790

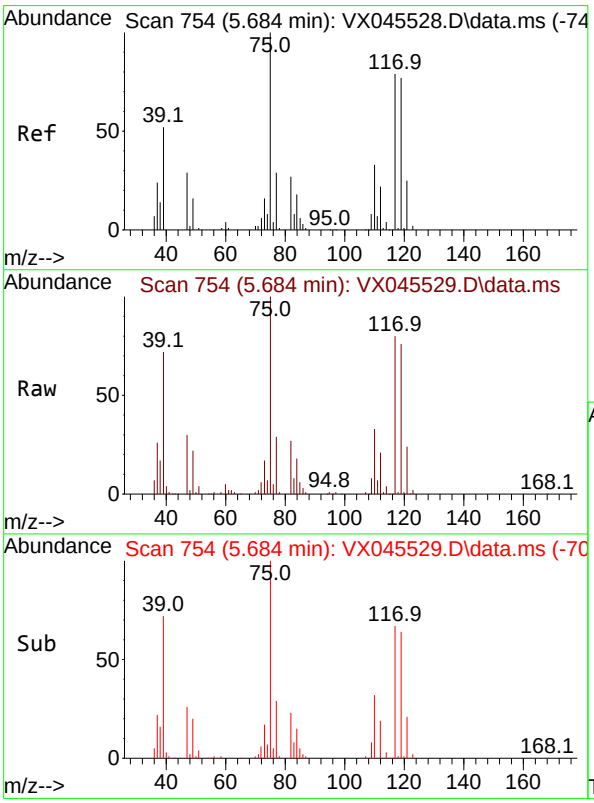
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

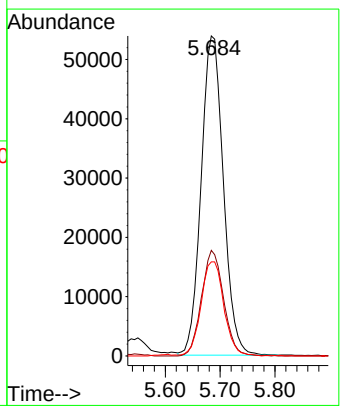
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

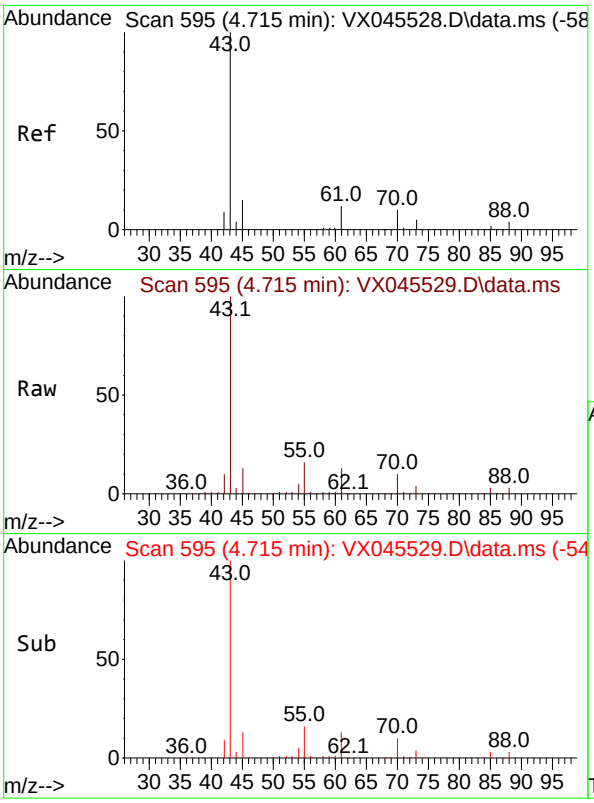


#36
1,1-Dichloropropene
Concen: 103.515 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 151448

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.4	25.0	37.4

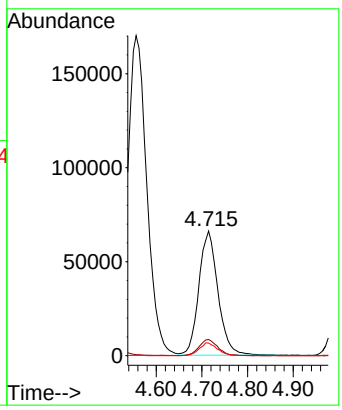




#37
Ethyl Acetate
Concen: 104.207 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 19213

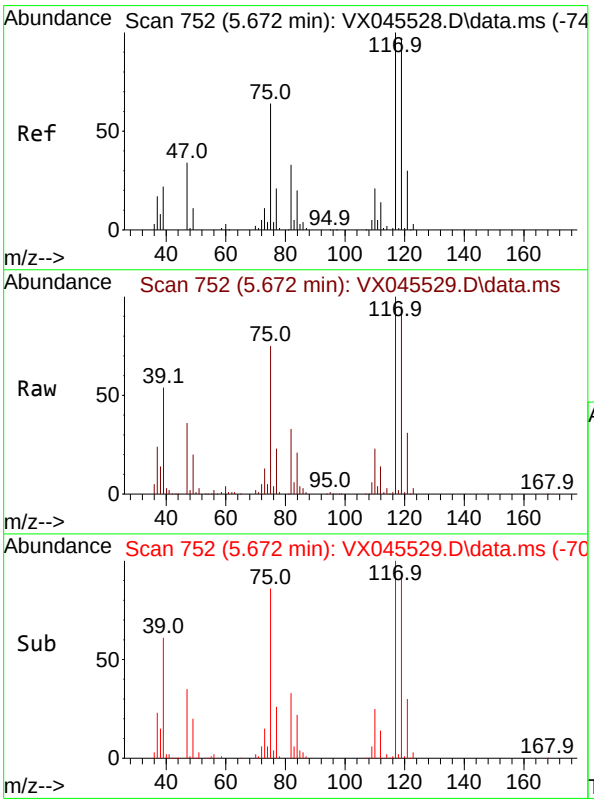
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.8	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

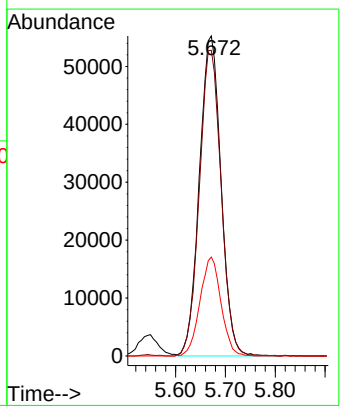
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

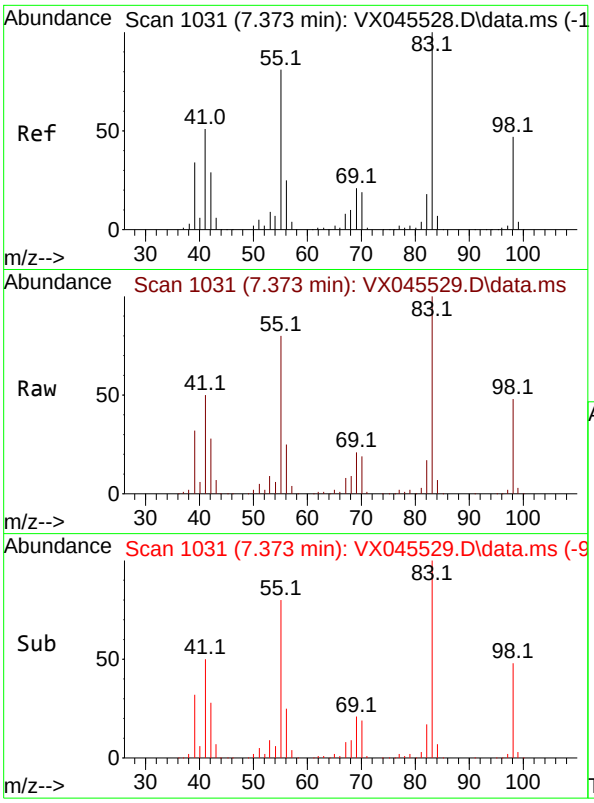


#38
Carbon Tetrachloride
Concen: 105.278 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 166465

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.9	24.2	36.2

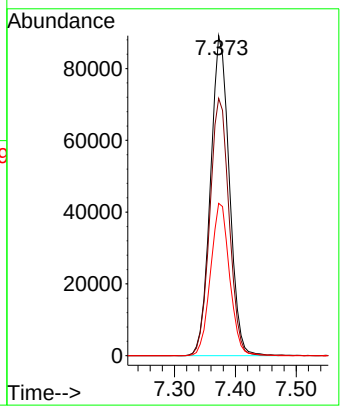




#39
Methylcyclohexane
Concen: 106.921 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 19175

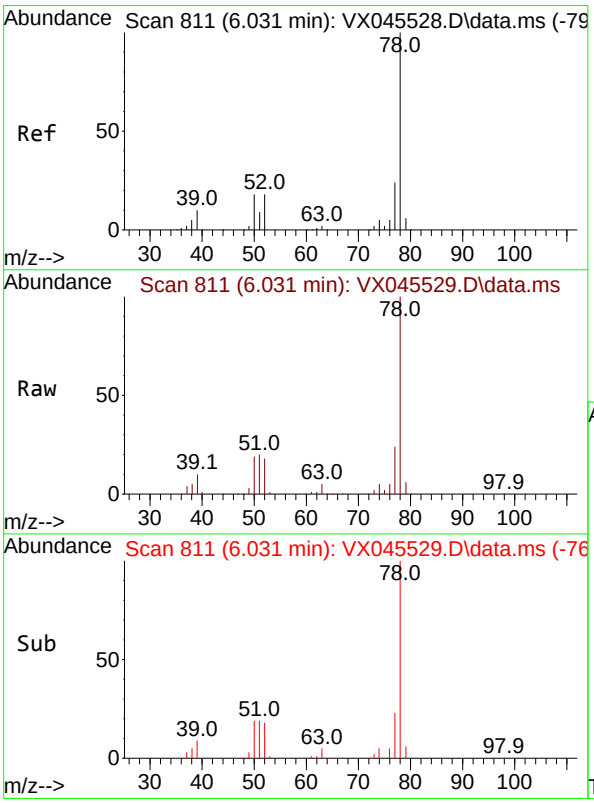
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.9	97.3
98	47.6	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

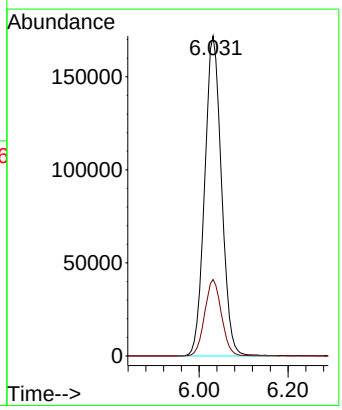
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

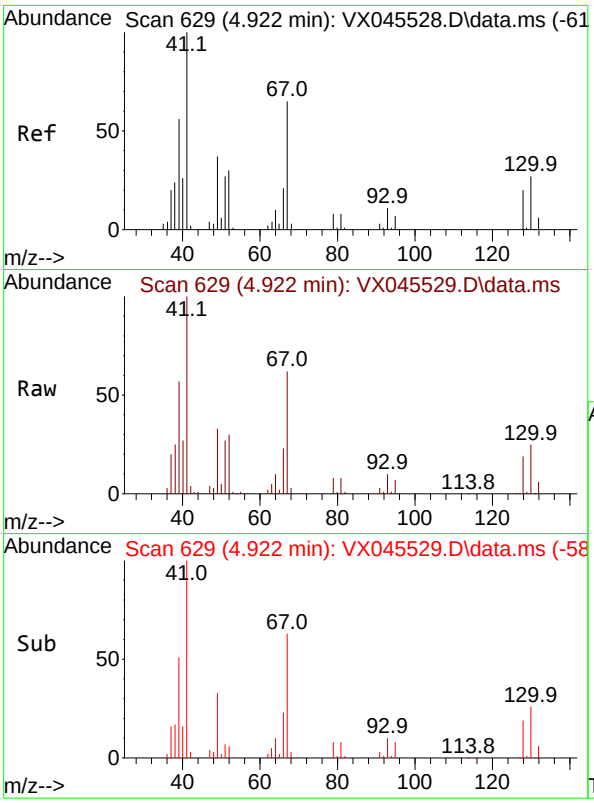


#40
Benzene
Concen: 101.369 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 78 Resp: 452946

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

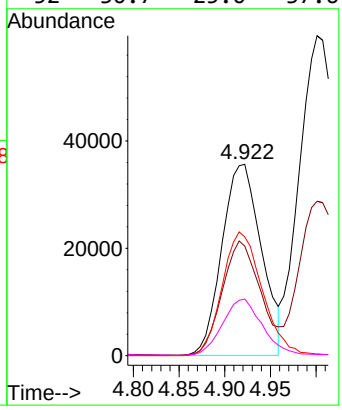




#41
Methacrylonitrile
Concen: 109.068 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 10703

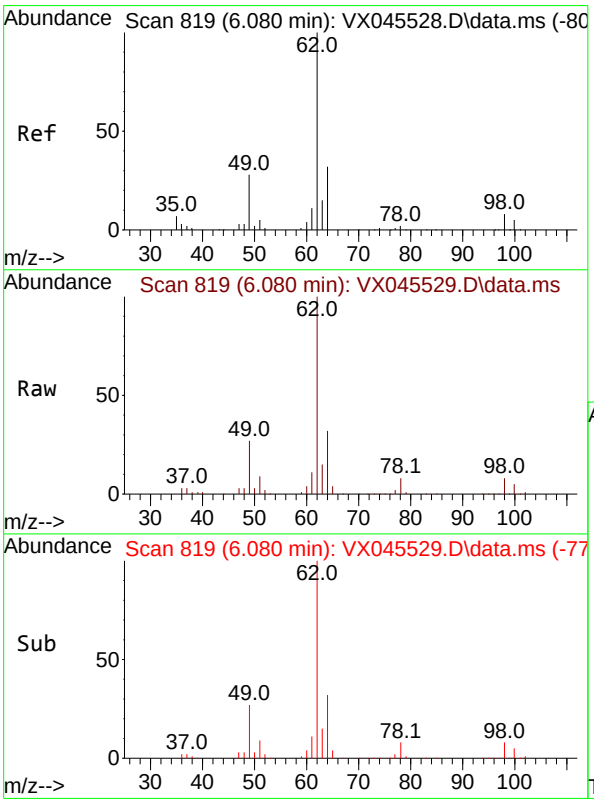
Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.0	70.6
67	66.2	53.2	79.8
52	30.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

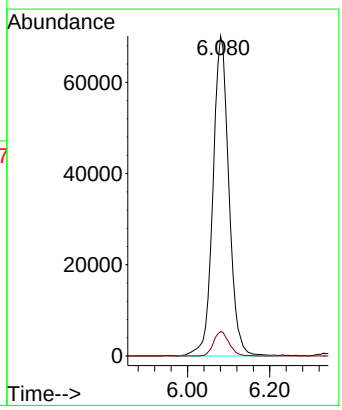
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

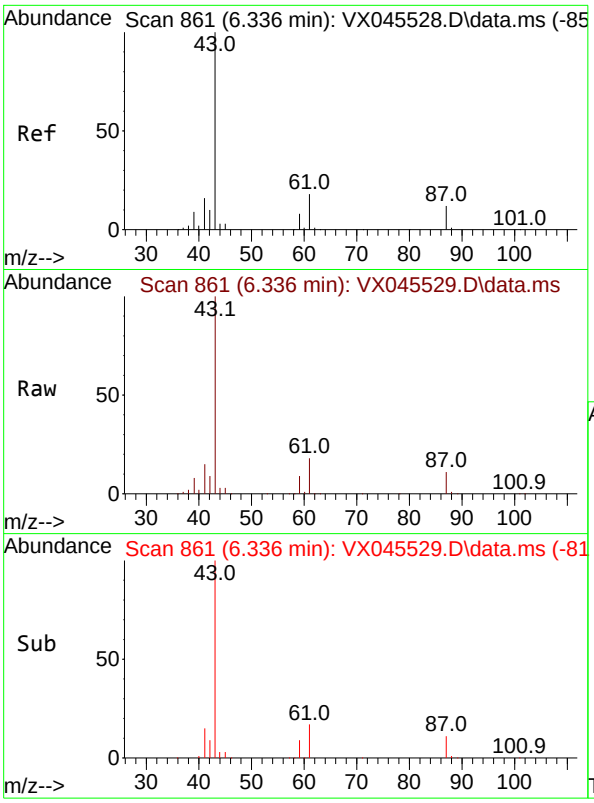


#42
1,2-Dichloroethane
Concen: 102.696 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 189528

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

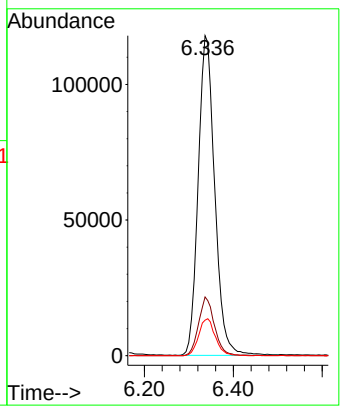




#43
Isopropyl Acetate
Concen: 109.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 30597

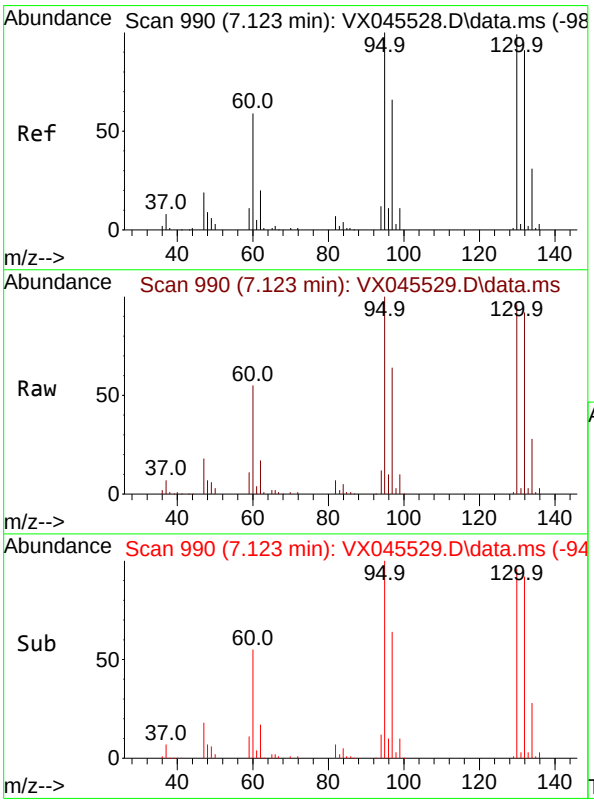
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.6	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

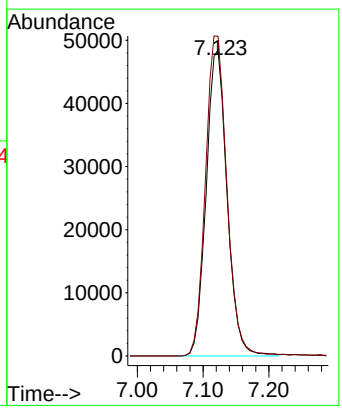
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

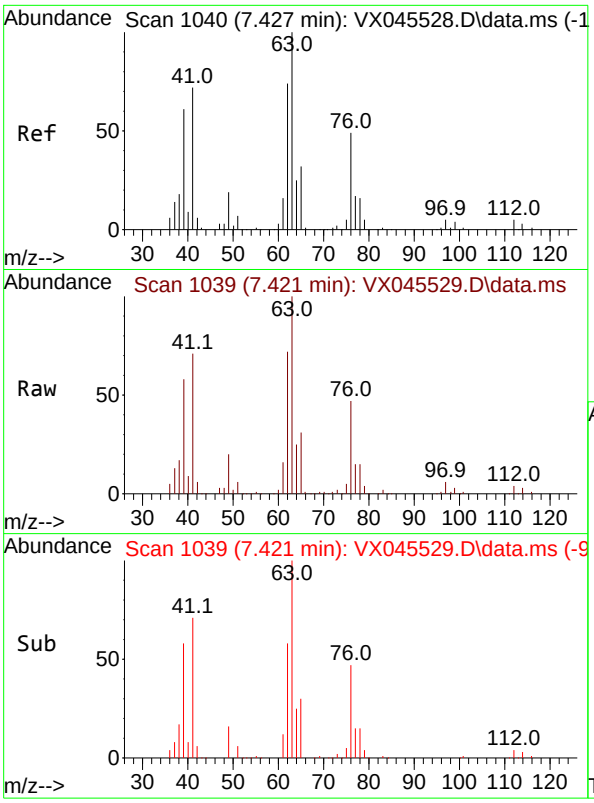


#44
Trichloroethene
Concen: 101.062 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:130 Resp: 107332

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

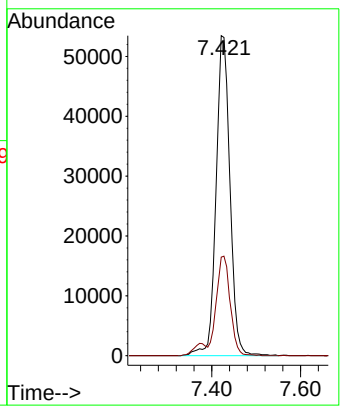




#45
1,2-Dichloropropane
Concen: 103.806 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 11573

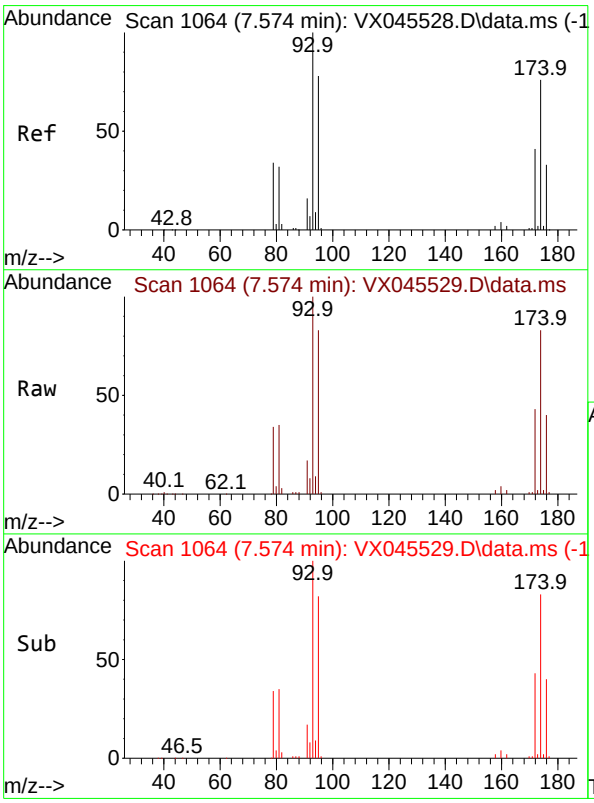
Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

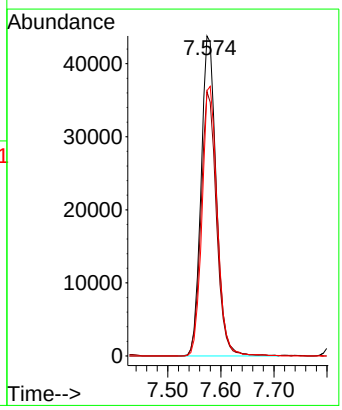
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

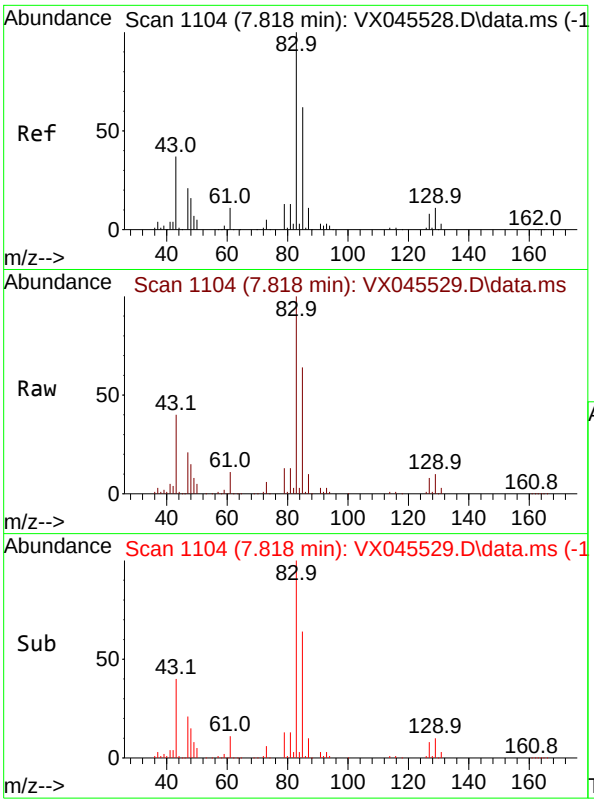


#46
Dibromomethane
Concen: 102.101 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 93 Resp: 87381

Ion	Ratio	Lower	Upper
93	100		
95	83.4	64.8	97.2
174	84.4	65.4	98.0

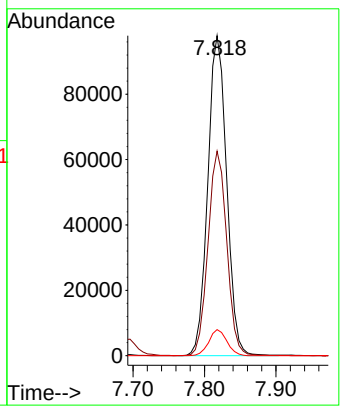




#47
Bromodichloromethane
Concen: 104.886 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 17926

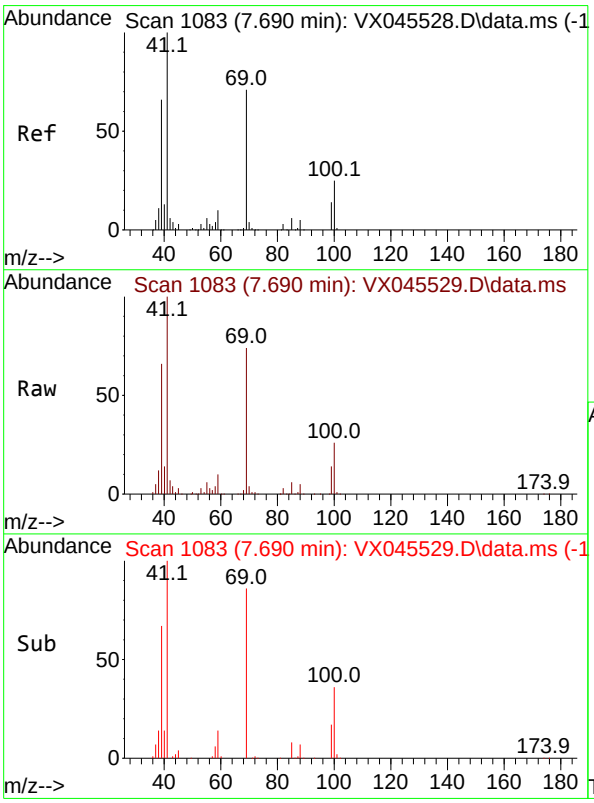
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	8.2	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

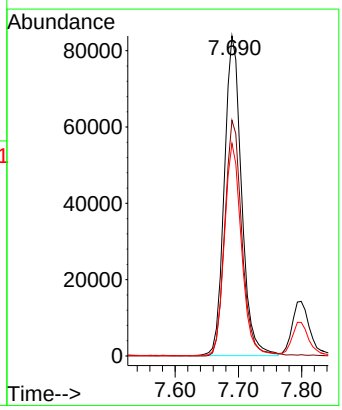
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

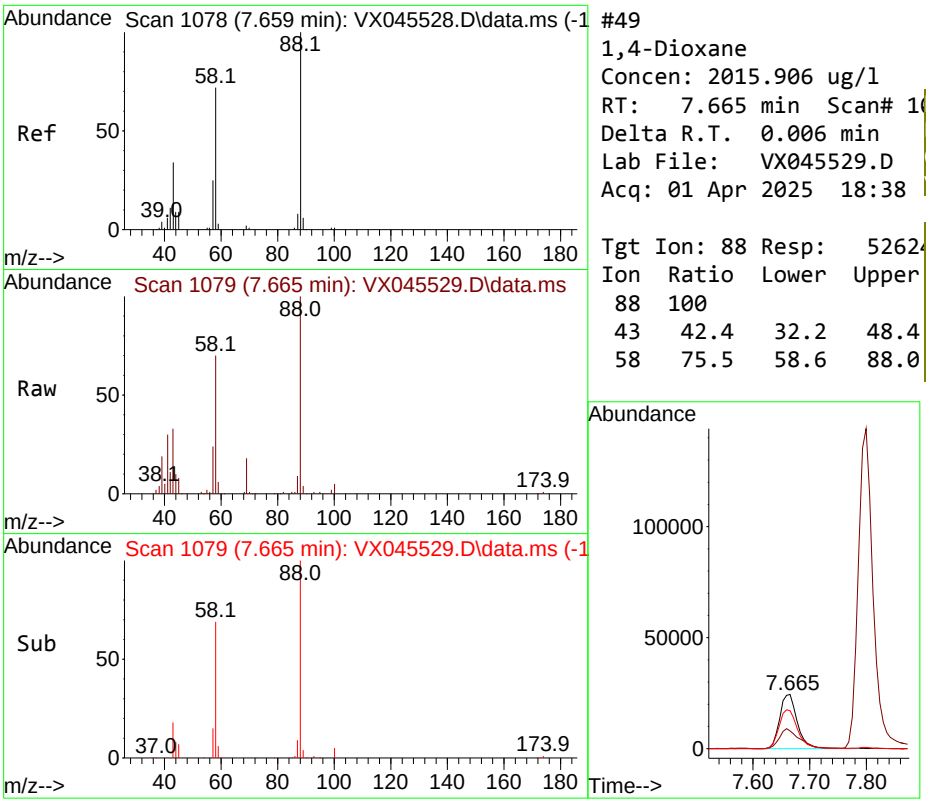


#48
Methyl methacrylate
Concen: 109.675 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 158241

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.2	87.2
39	65.9	53.6	80.4





#49
1,4-Dioxane
Concen: 2015.906 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

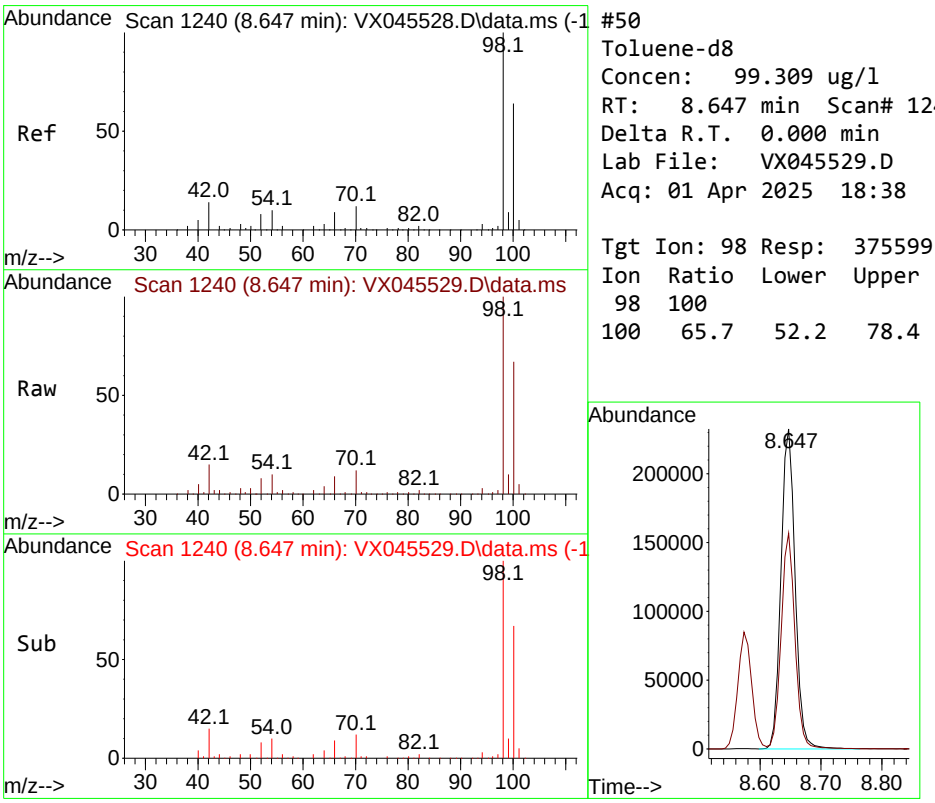
Tgt Ion: 88 Resp: 5262

Ion	Ratio	Lower	Upper
88	100		
43	42.4	32.2	48.4
58	75.5	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

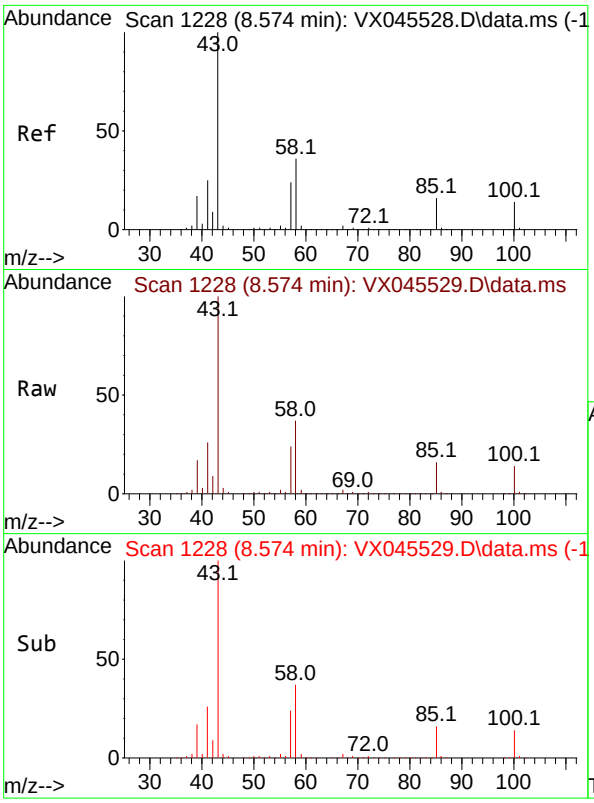
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#50
Toluene-d8
Concen: 99.309 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 98 Resp: 375599

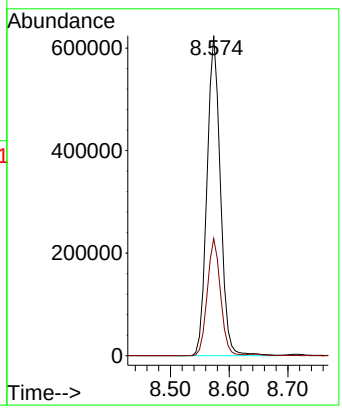
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



#51
4-Methyl-2-Pentanone
Concen: 533.814 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 98888

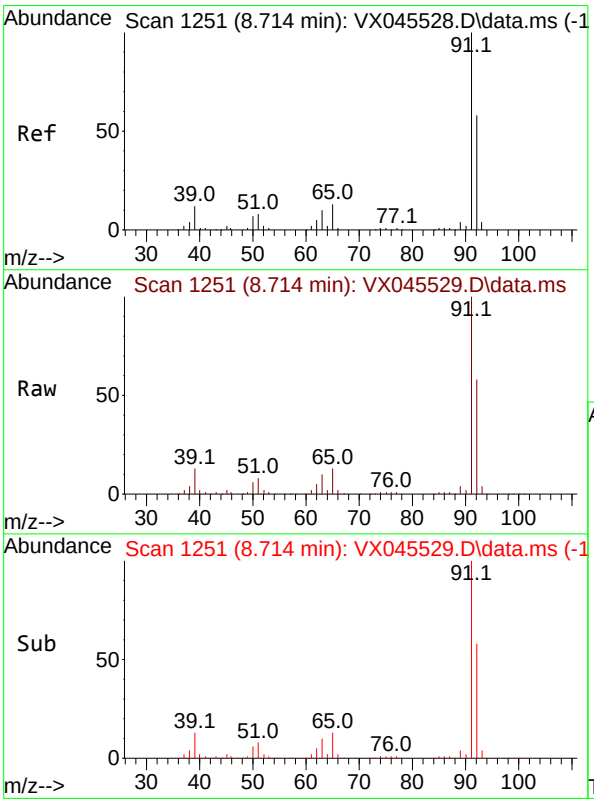
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

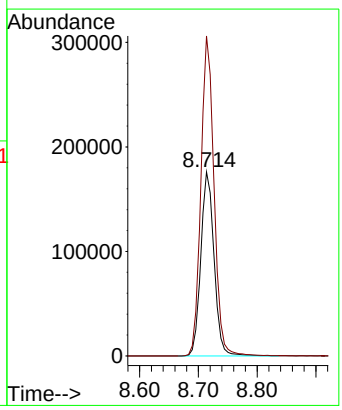
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

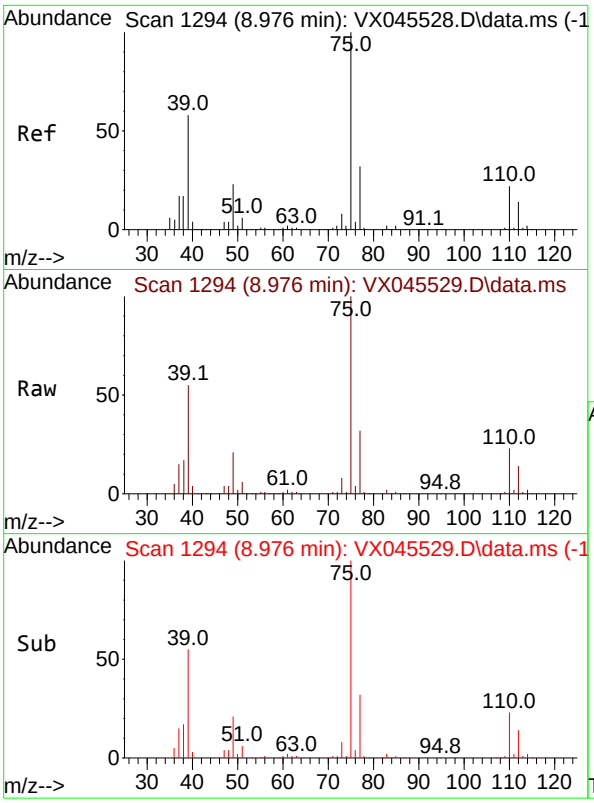


#52
Toluene
Concen: 102.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 92 Resp: 276323

Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.7	208.1

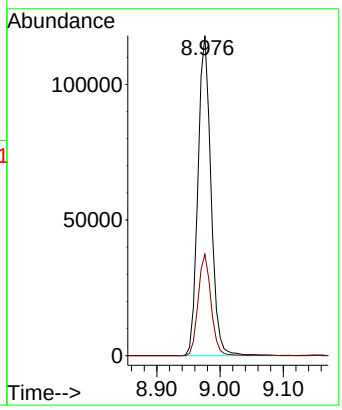




#53
t-1,3-Dichloropropene
Concen: 100.645 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 16941

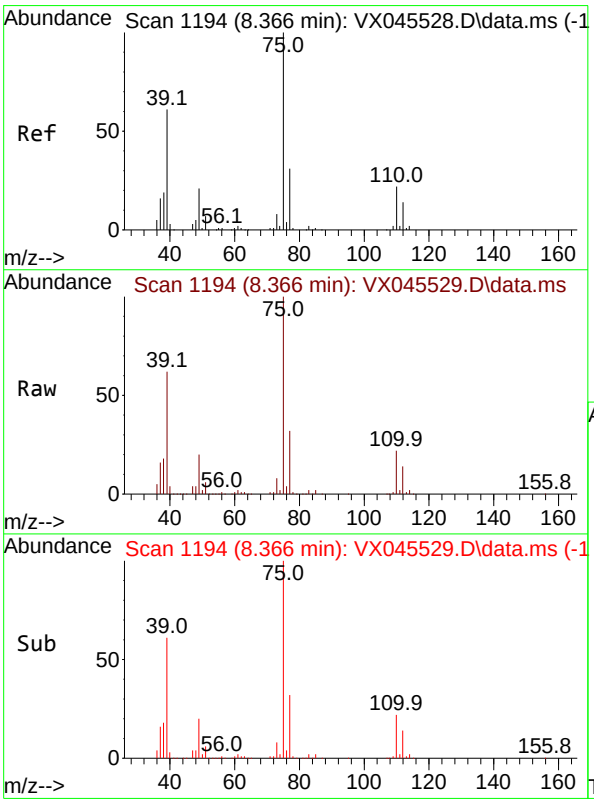
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

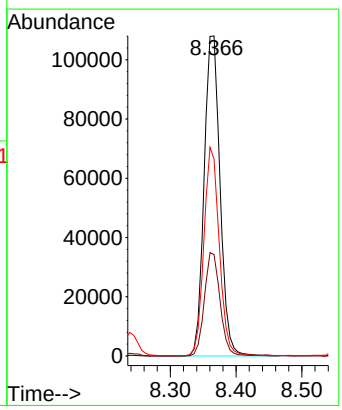
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

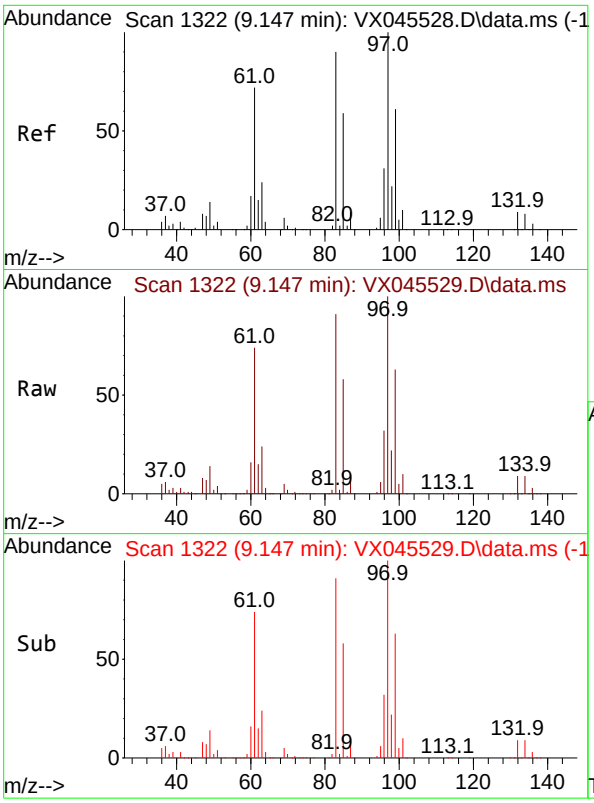


#54
cis-1,3-Dichloropropene
Concen: 113.521 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 182328

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	61.4	48.4	72.6

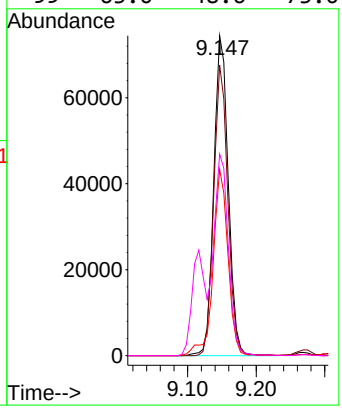




#55
1,1,2-Trichloroethane
Concen: 101.361 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 97 Resp: 10920

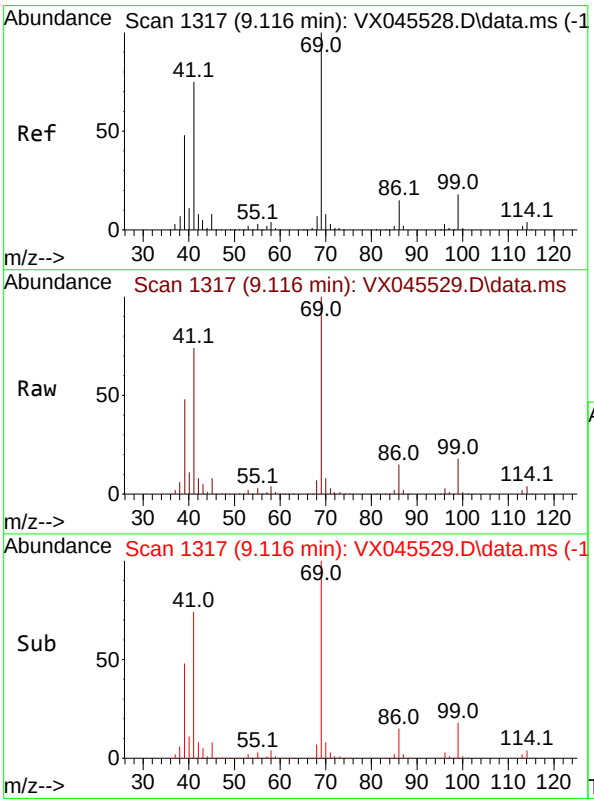
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.8	107.8
85	58.2	47.0	70.6
99	63.0	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

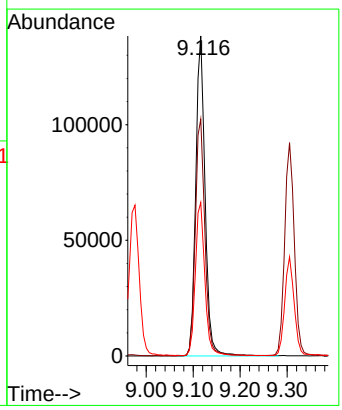
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

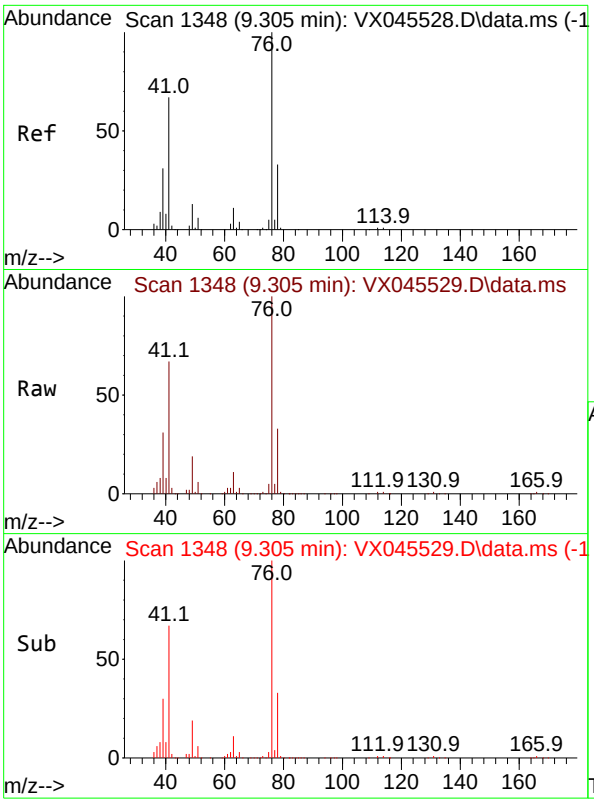


#56
Ethyl methacrylate
Concen: 115.168 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 69 Resp: 192034

Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.3	91.9
39	49.0	40.2	60.2

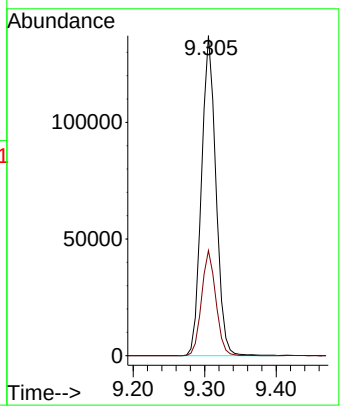




#57
1,3-Dichloropropane
Concen: 102.588 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 76 Resp: 19247

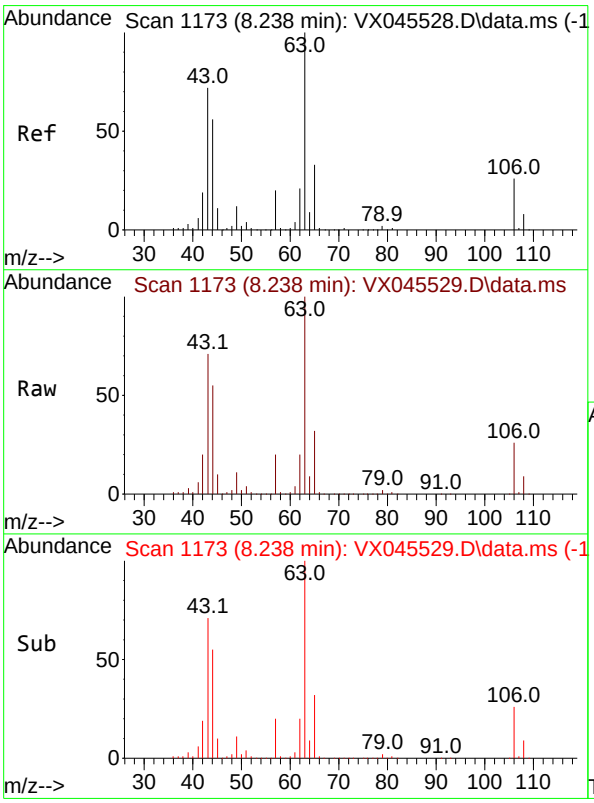
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

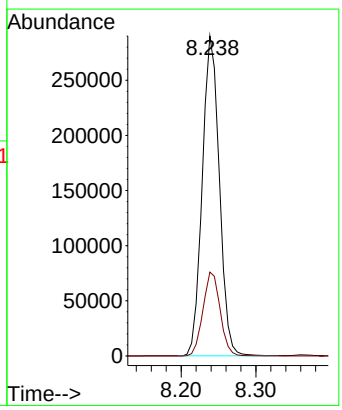
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

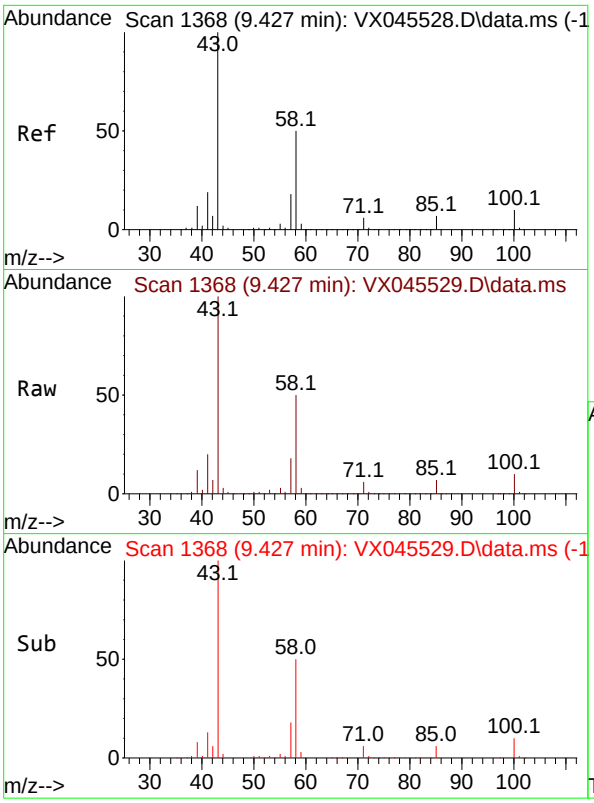


#58
2-Chloroethyl Vinyl ether
Concen: 545.696 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 460297

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.6

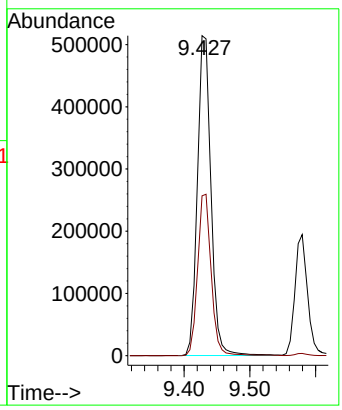




#59
2-Hexanone
Concen: 538.538 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 73877

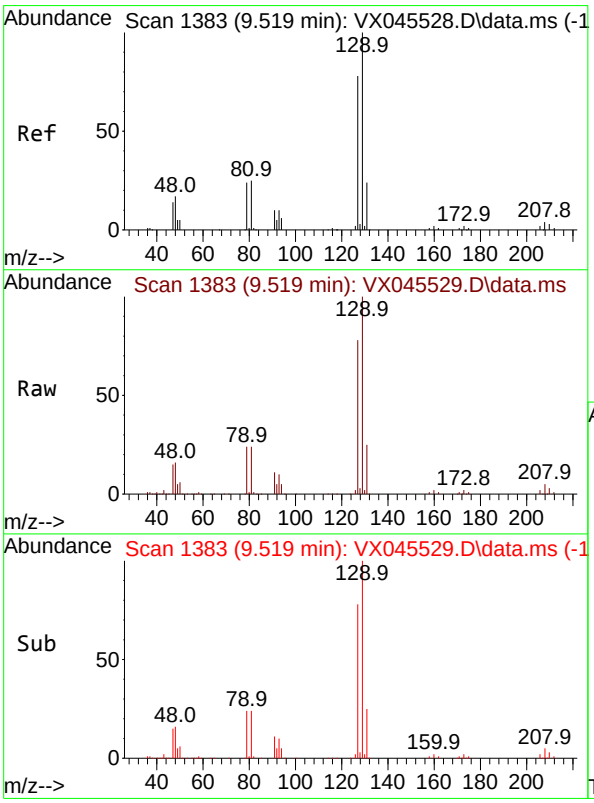
Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

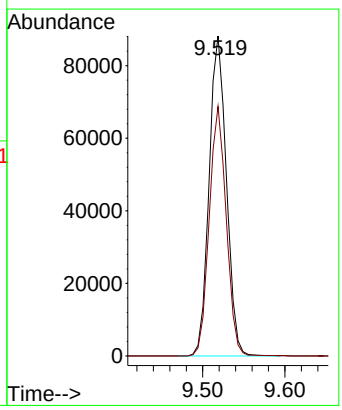
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

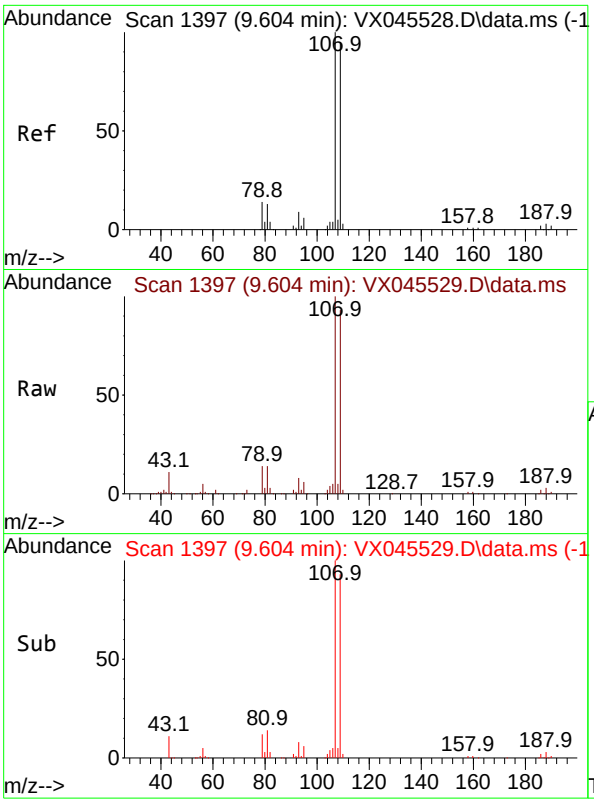


#60
Dibromochloromethane
Concen: 109.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:129 Resp: 128700

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.4	118.2

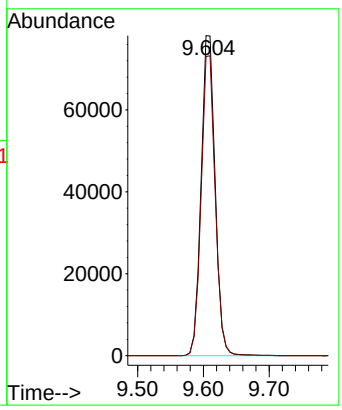




#61
1,2-Dibromoethane
Concen: 106.282 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:107 Resp: 11591

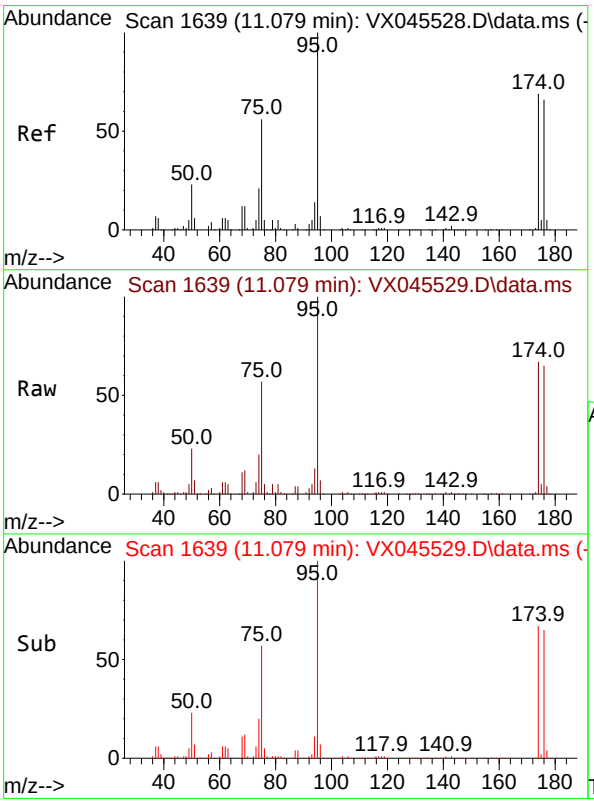
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

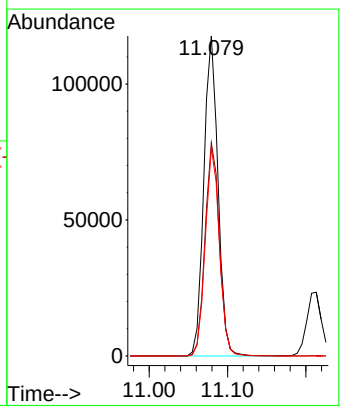
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

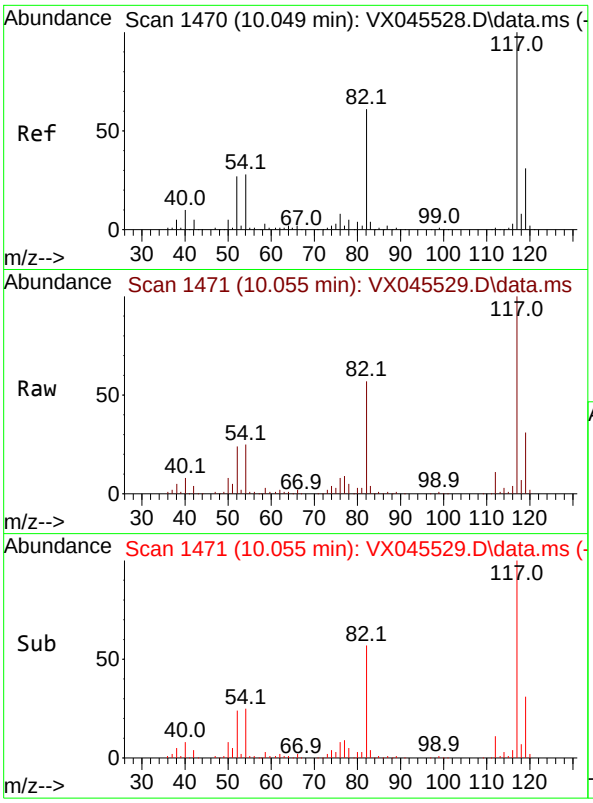


#62
4-Bromofluorobenzene
Concen: 106.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 95 Resp: 146944

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	64.7	0.0	131.4

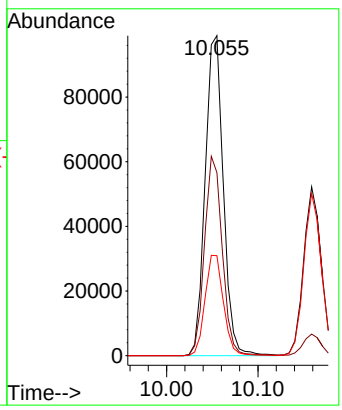




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 13636

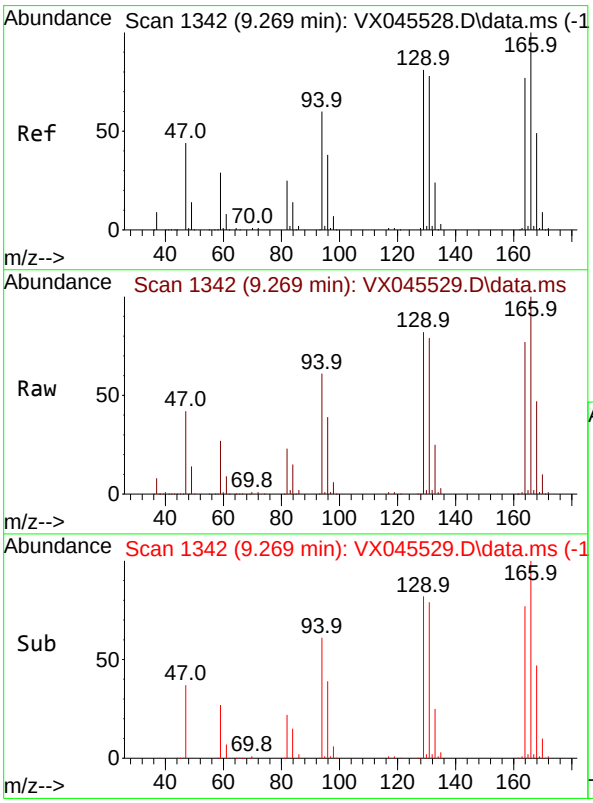
Ion	Ratio	Lower	Upper
117	100		
82	57.2	49.2	73.8
119	31.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

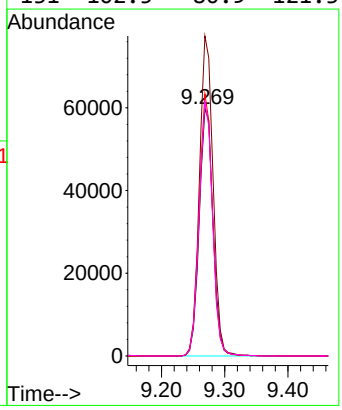
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

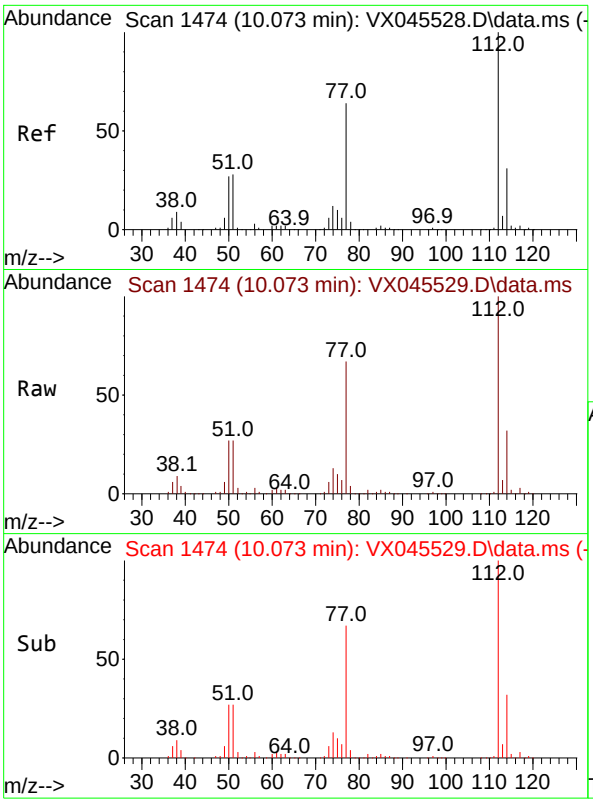


#64
Tetrachloroethene
Concen: 94.325 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:164 Resp: 90817

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.8
129	105.9	84.3	126.5
131	102.5	80.9	121.3

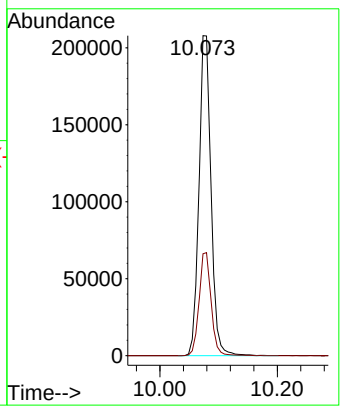




#65
Chlorobenzene
Concen: 101.682 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:112 Resp: 29630

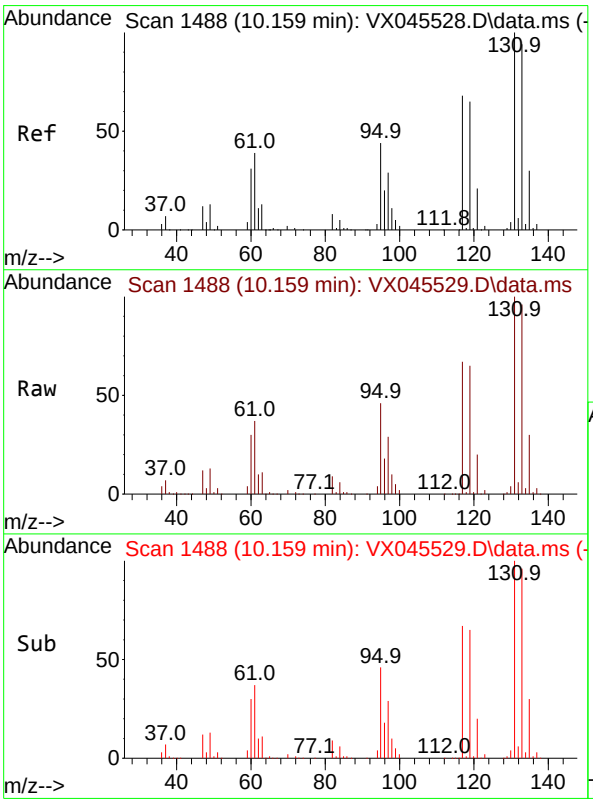
Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

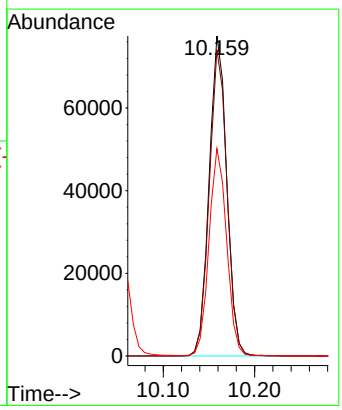
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

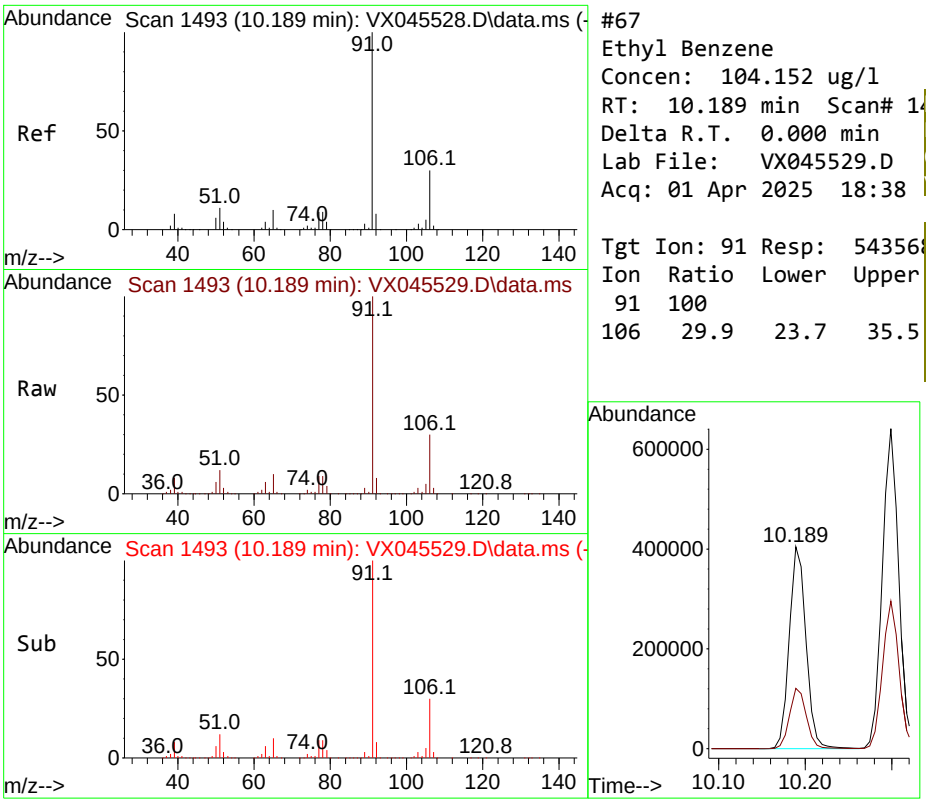


#66
1,1,1,2-Tetrachloroethane
Concen: 102.243 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:131 Resp: 103437

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.5
119	65.0	32.9	98.6





#67
Ethyl Benzene
Concen: 104.152 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

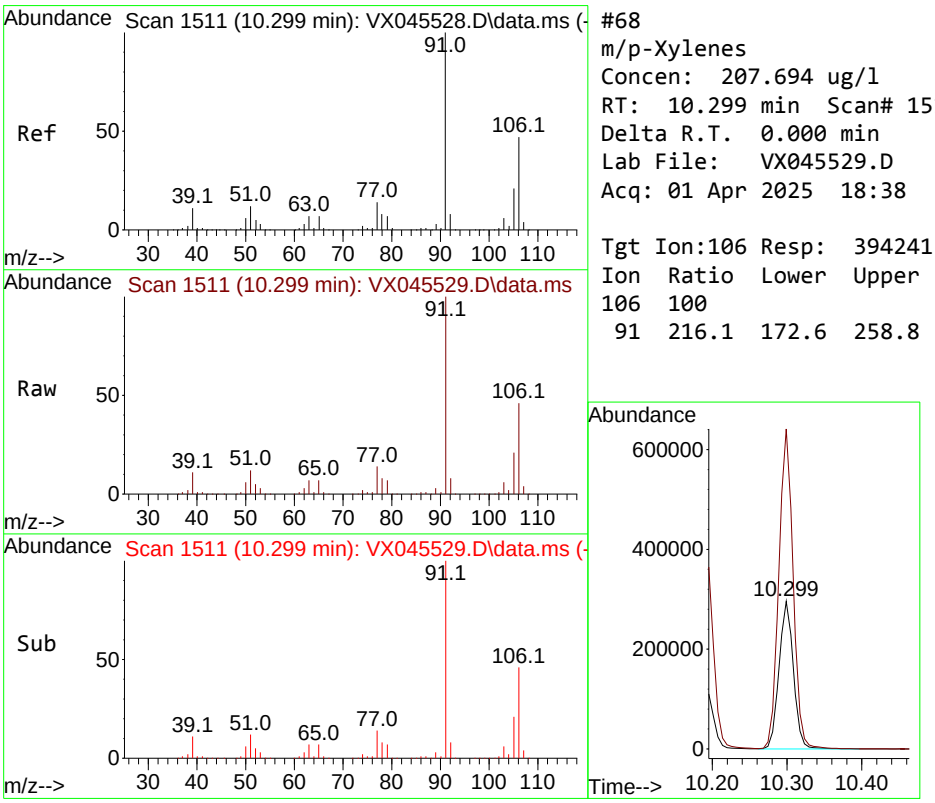
Tgt Ion: 91 Resp: 54356

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

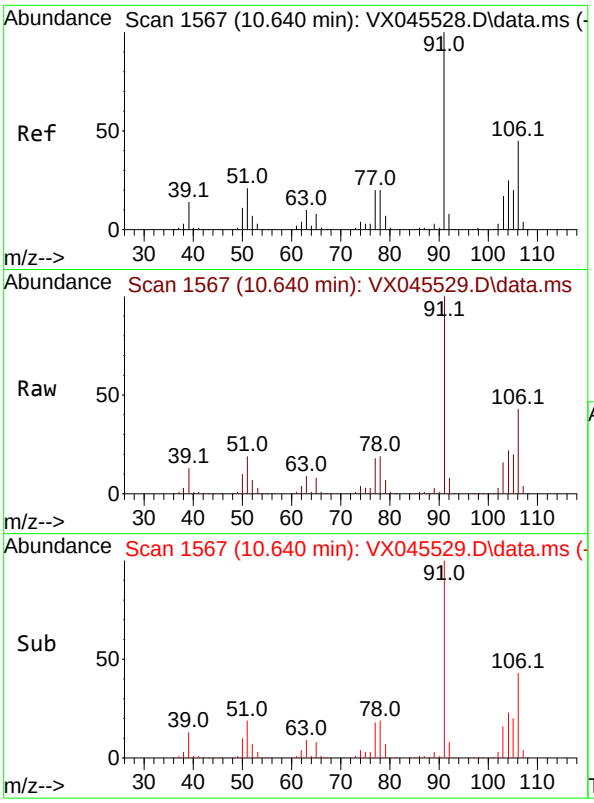
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#68
m/p-Xylenes
Concen: 207.694 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 394241

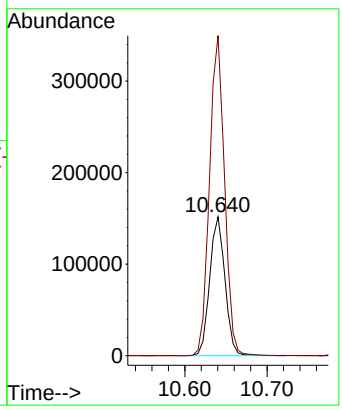
Ion	Ratio	Lower	Upper
106	100		
91	216.1	172.6	258.8



#69
o-Xylene
Concen: 104.487 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 19538

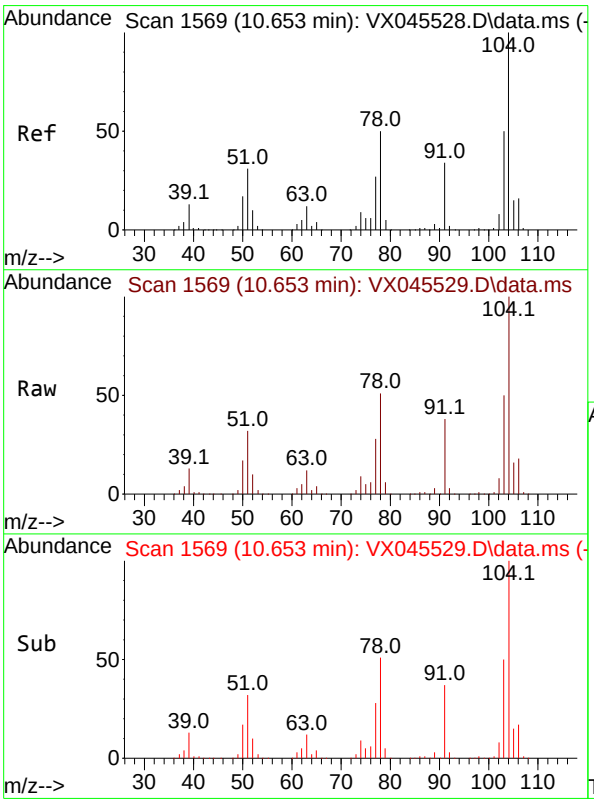
Ion	Ratio	Lower	Upper
106	100		
91	228.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

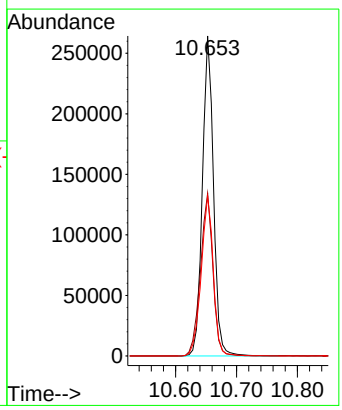
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

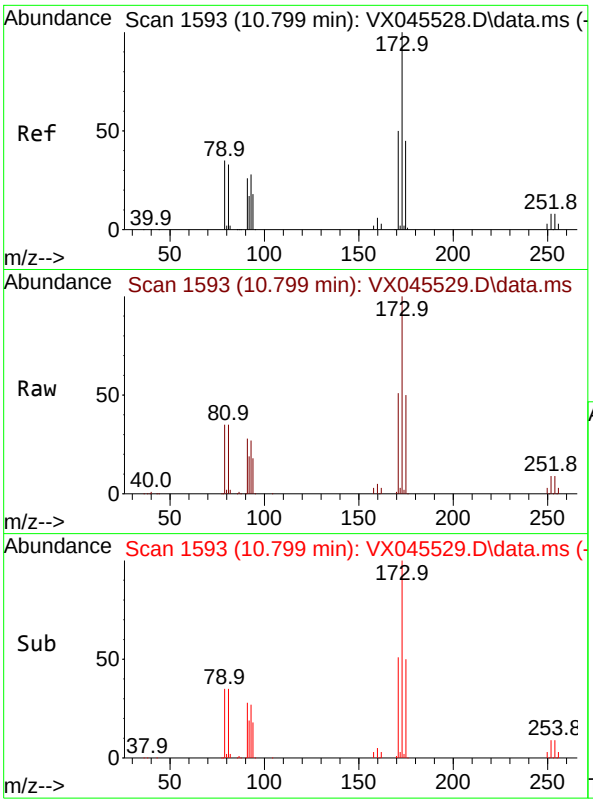


#70
Styrene
Concen: 108.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:104 Resp: 335333

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	54.7	43.8	65.8

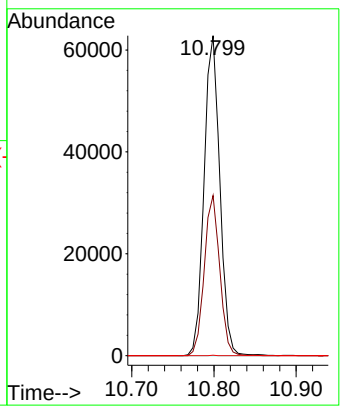




#71
Bromoform
Concen: 110.714 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:173 Resp: 8363

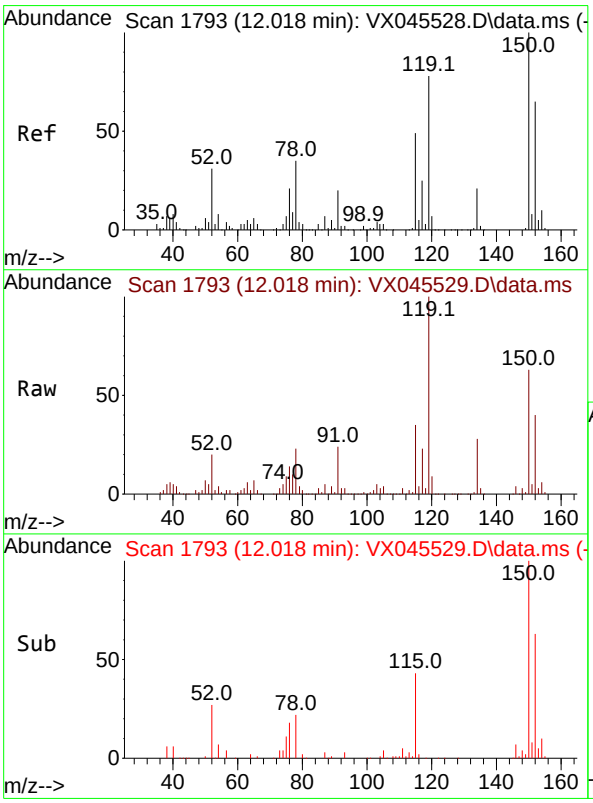
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

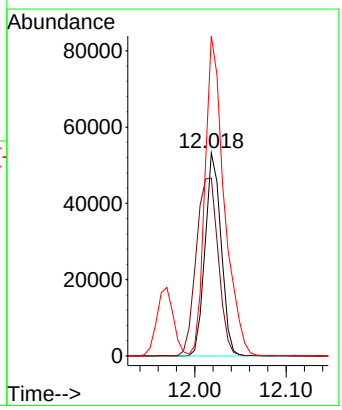
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

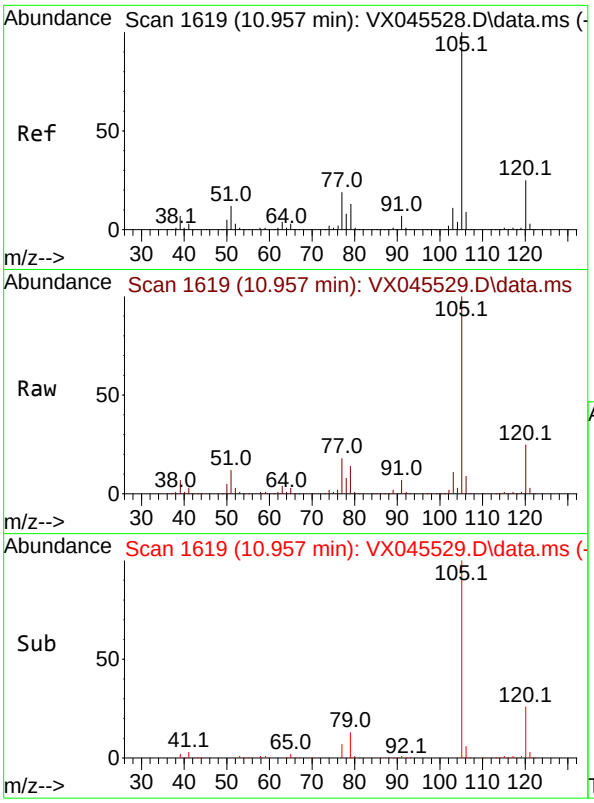


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:152 Resp: 64612

Ion	Ratio	Lower	Upper
152	100		
115	121.0	46.9	140.7
150	188.4	0.0	349.4

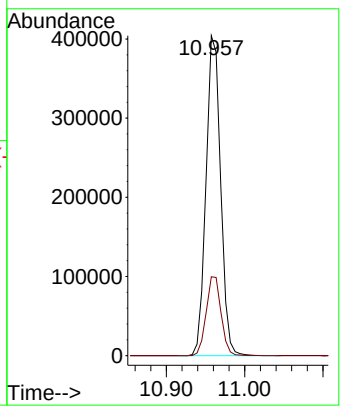




#73
Isopropylbenzene
Concen: 100.944 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 52243

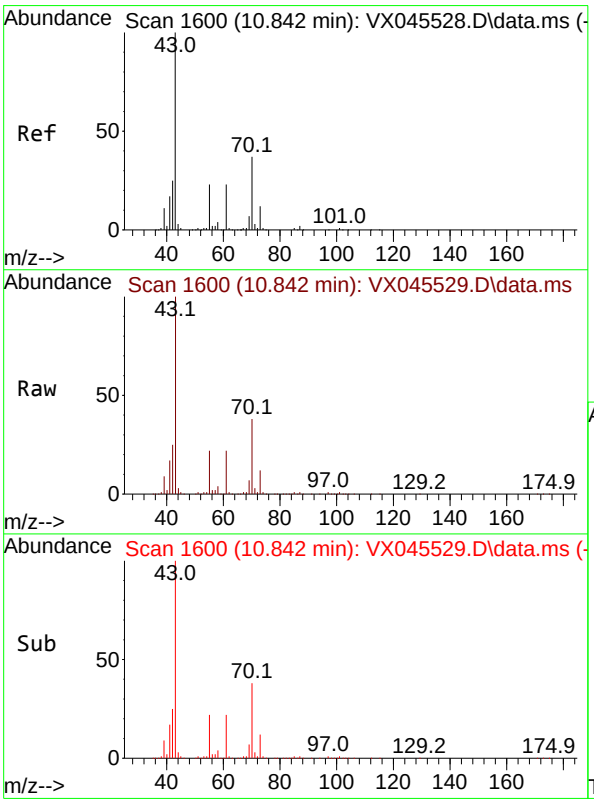
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

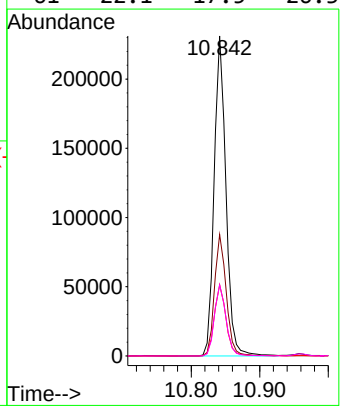
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

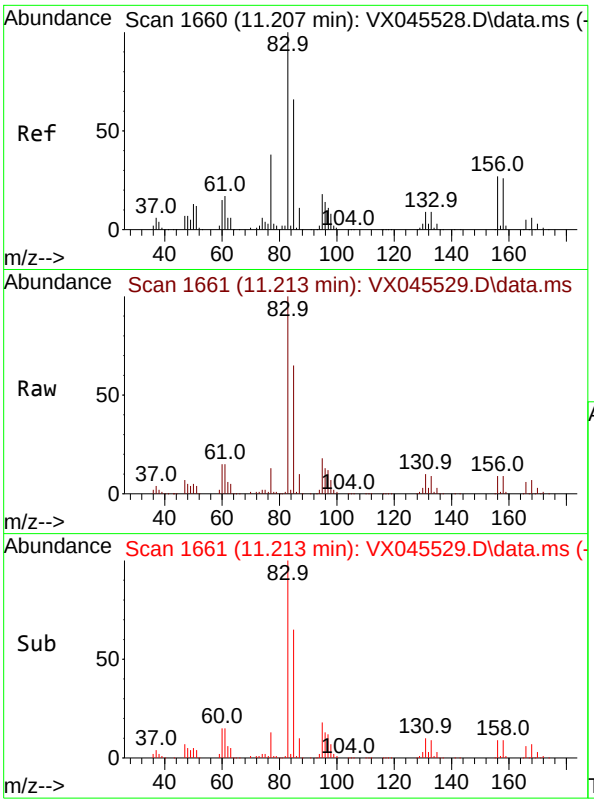


#74
N-amyl acetate
Concen: 111.267 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 275462

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.4	18.3	27.5
61	22.1	17.5	26.3

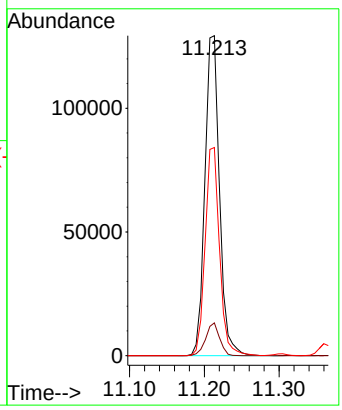




#75
1,1,2,2-Tetrachloroethane
Concen: 96.243 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 17497

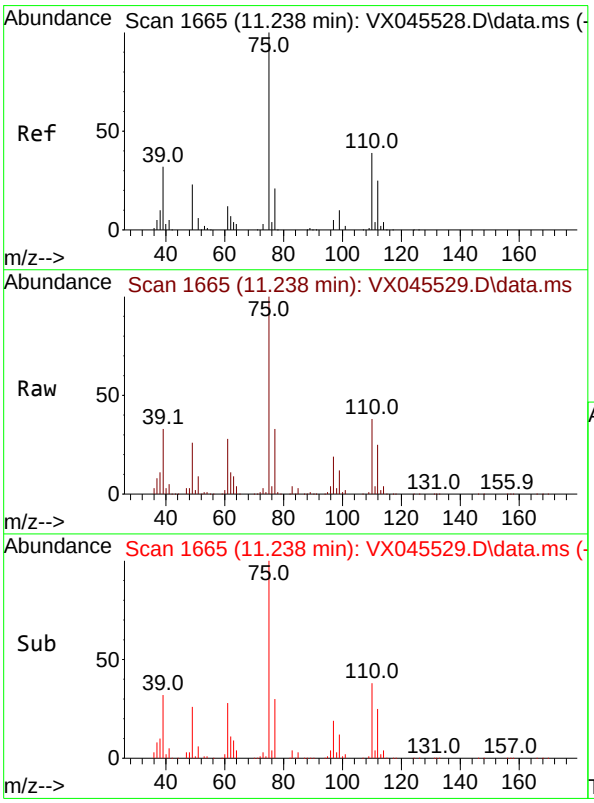
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.3	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

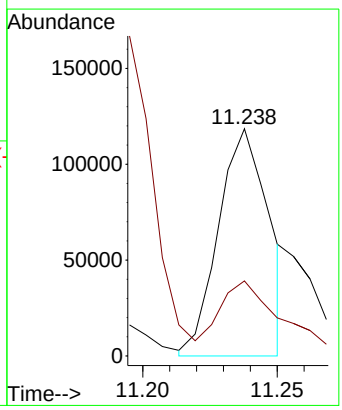
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

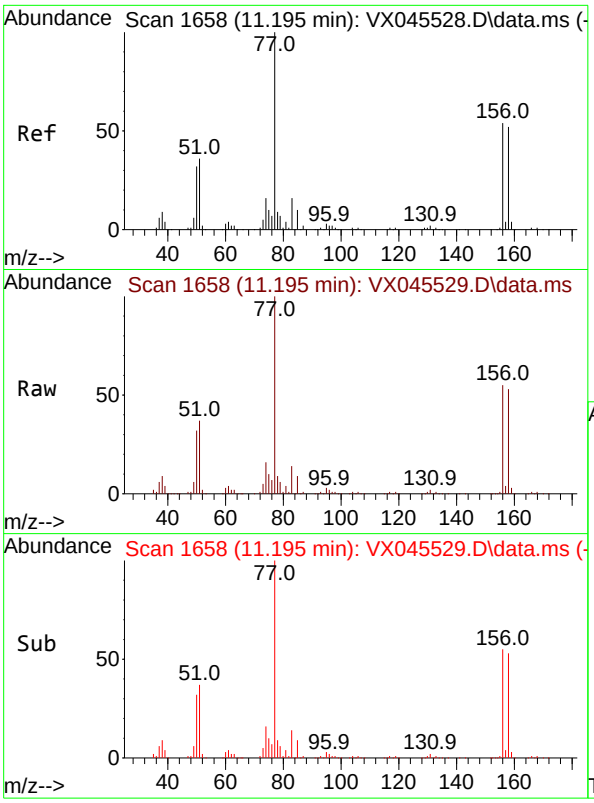


#76
1,2,3-Trichloropropane
Concen: 97.744 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 154048

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.0	59.9

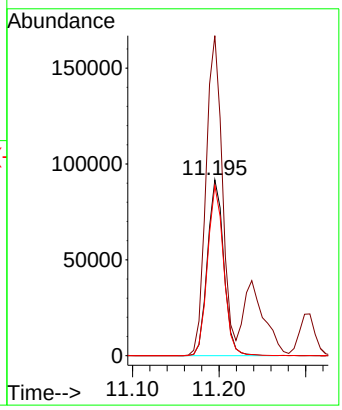




#77
Bromobenzene
Concen: 99.983 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:156 Resp: 11956

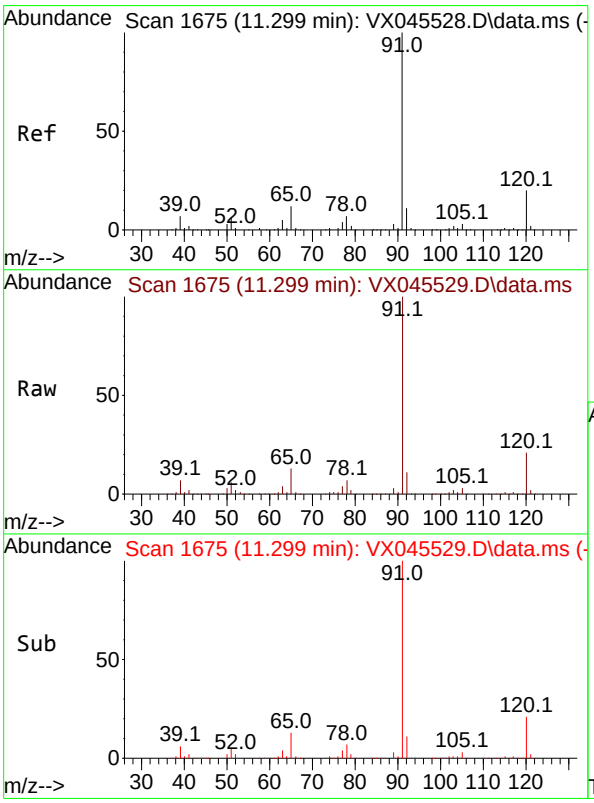
Ion	Ratio	Lower	Upper
156	100		
77	183.4	92.6	277.8
158	95.9	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

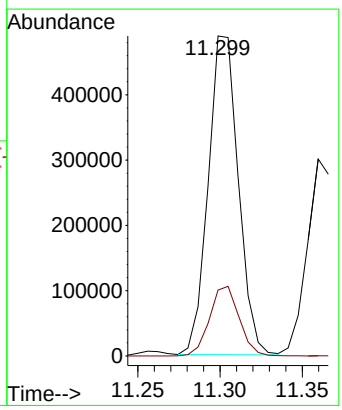
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

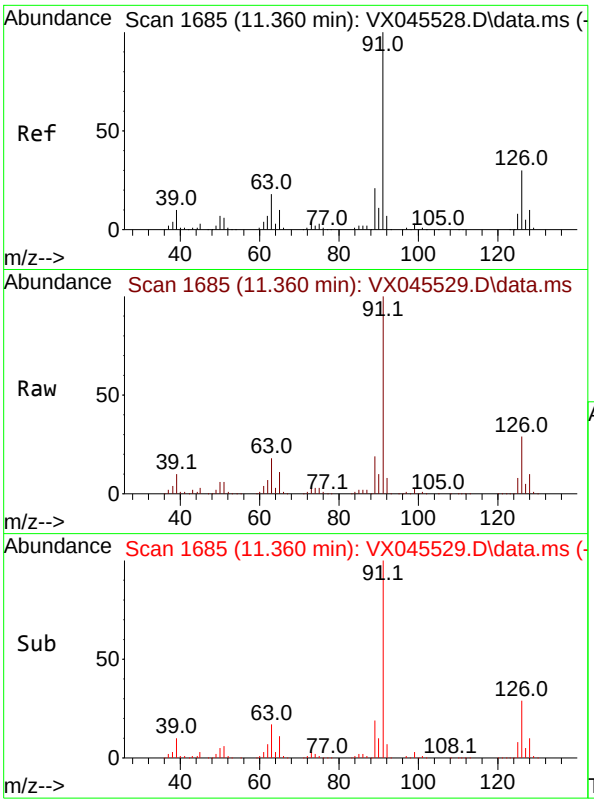


#78
n-propylbenzene
Concen: 104.454 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 622679

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 98.840 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

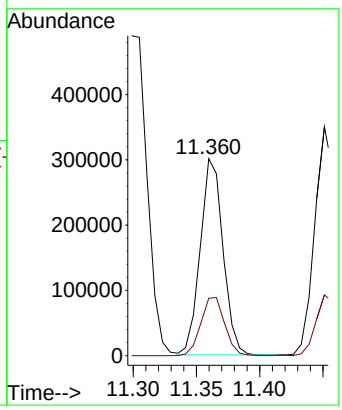
Tgt Ion: 91 Resp: 37668

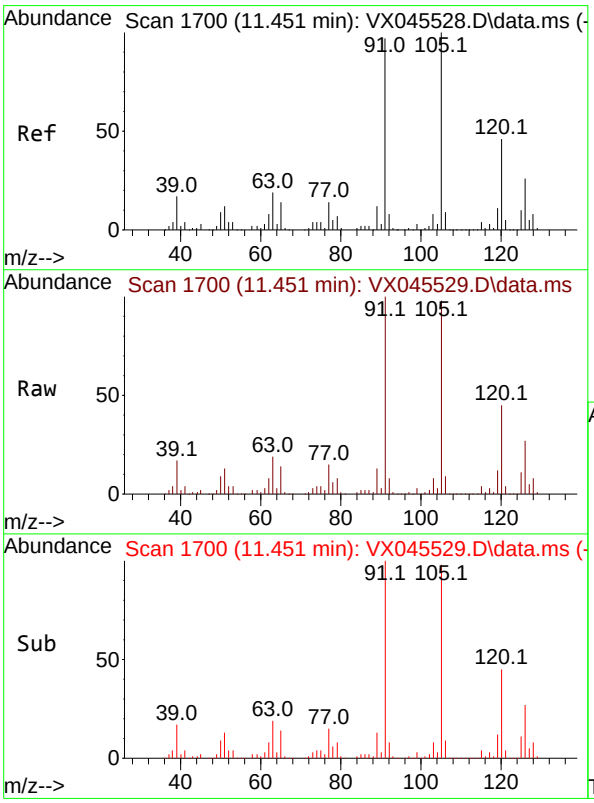
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

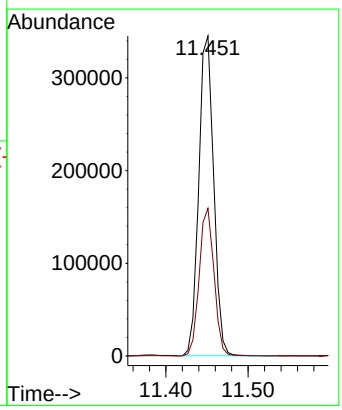


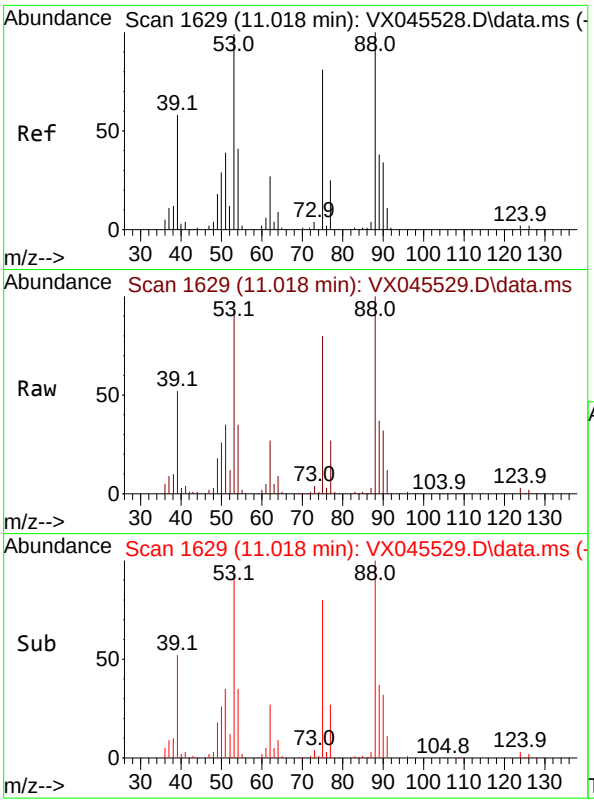


#80
1,3,5-Trimethylbenzene
Concen: 101.675 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 435137

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 111.704 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

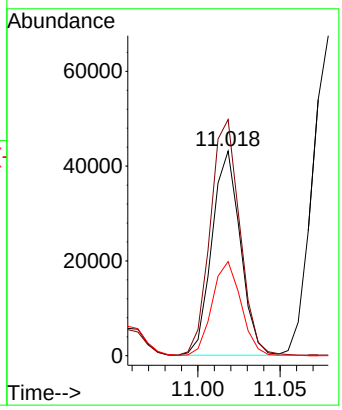
Tgt Ion: 75 Resp: 5187

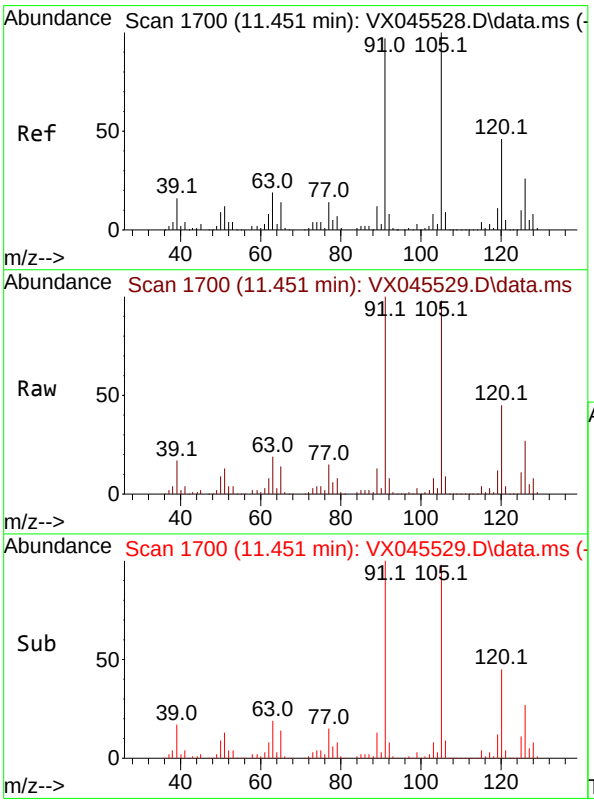
Ion	Ratio	Lower	Upper
75	100		
53	119.5	101.8	152.6
89	46.9	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

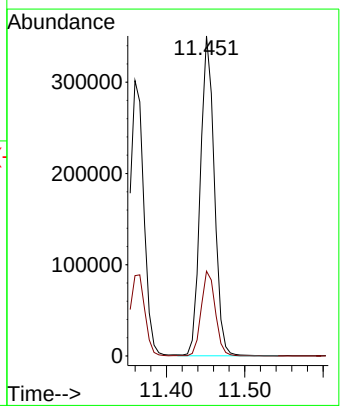


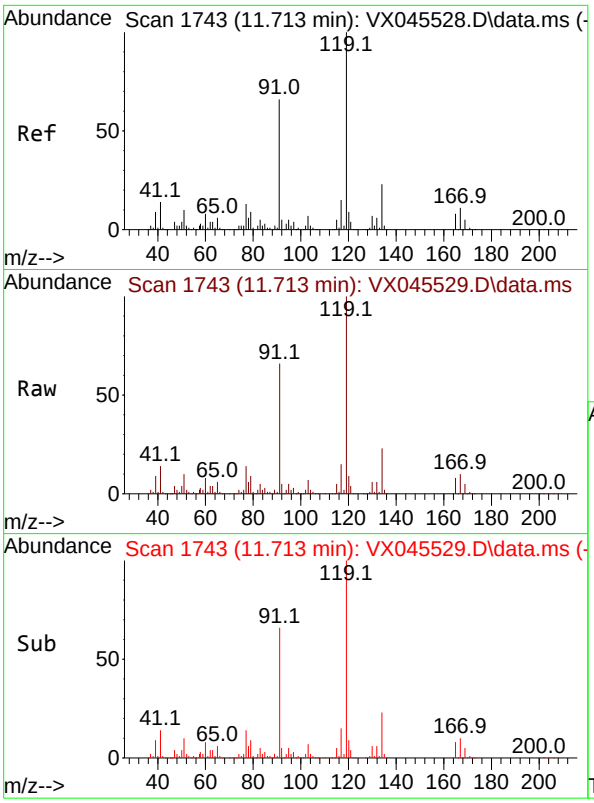


#82
4-Chlorotoluene
Concen: 101.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 432884

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

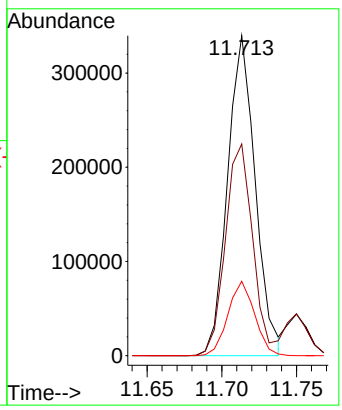




#83
tert-Butylbenzene
Concen: 103.292 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 43764

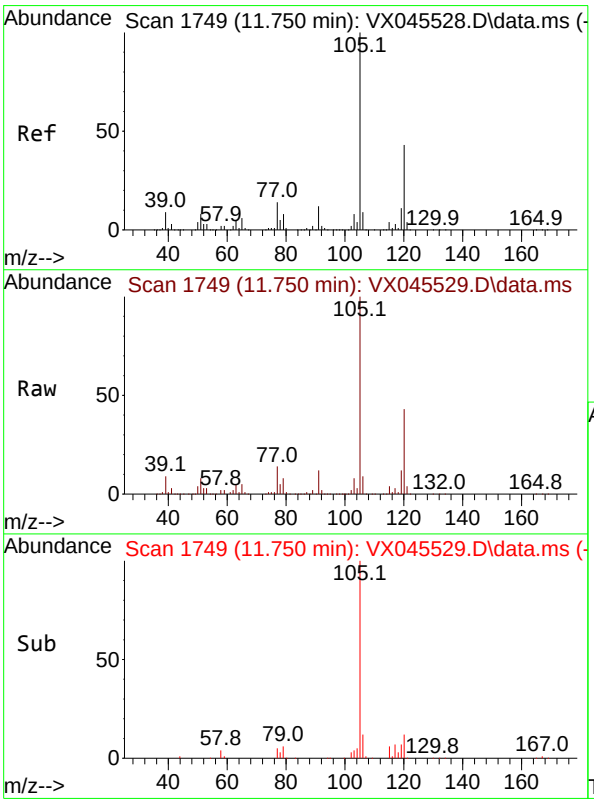
Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.4	97.2
134	22.4	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

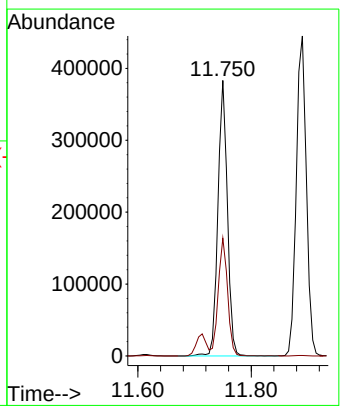
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

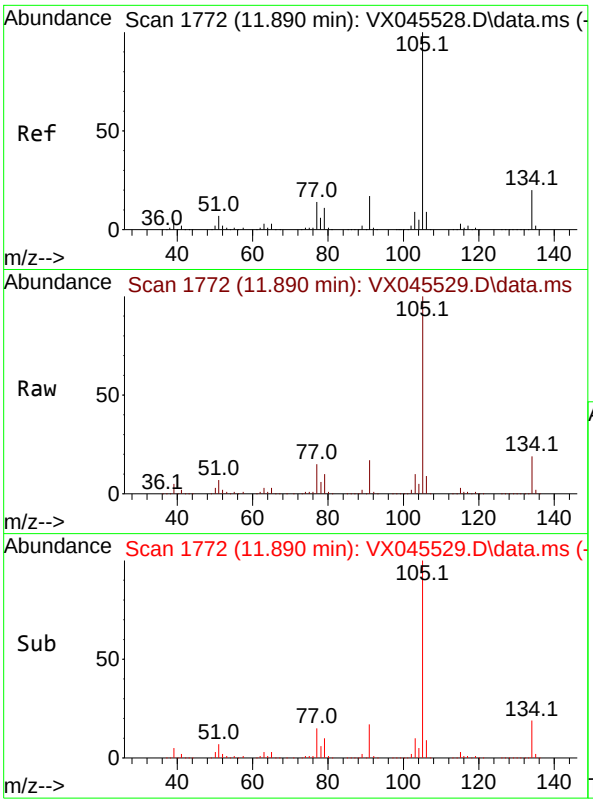


#84
1,2,4-Trimethylbenzene
Concen: 103.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 444211

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.4	64.3

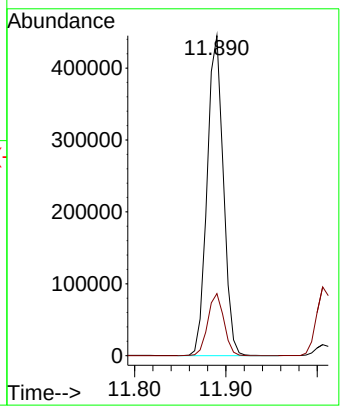




#85
sec-Butylbenzene
Concen: 105.082 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 54685

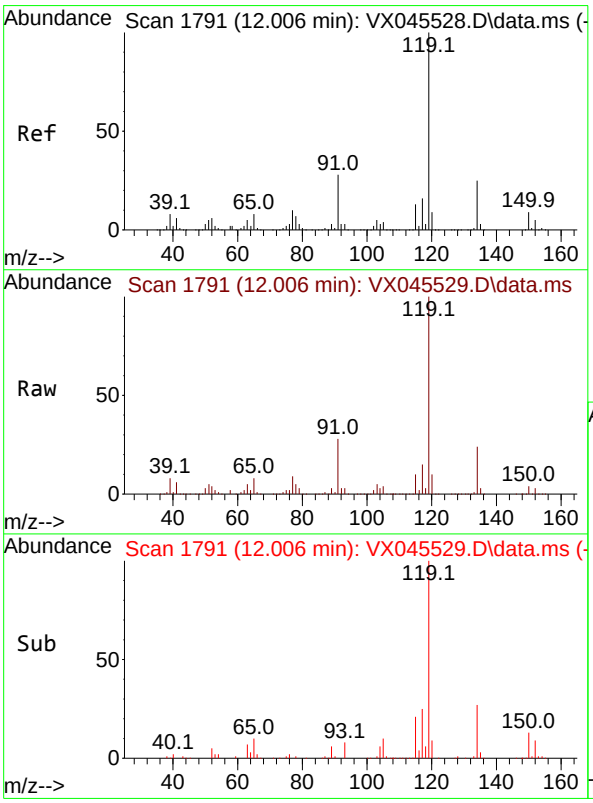
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

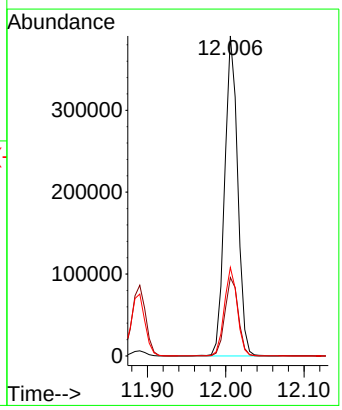
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

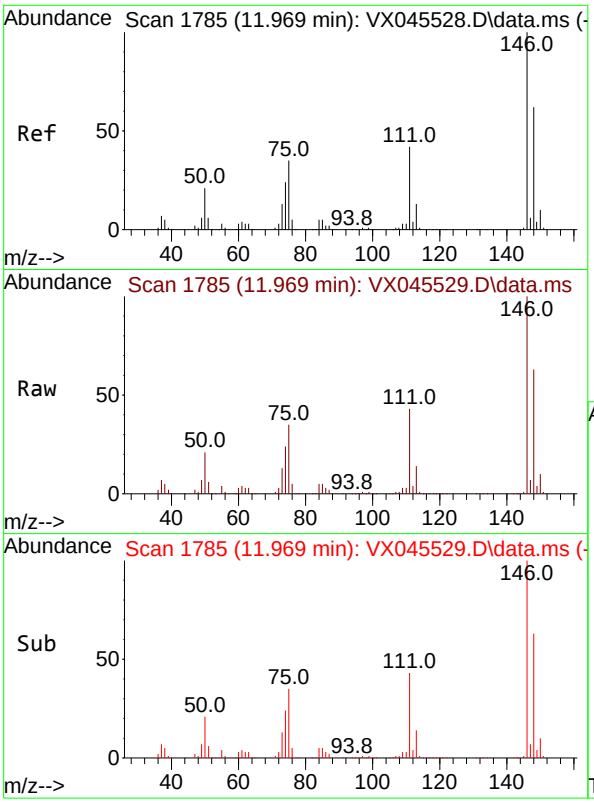


#86
p-Isopropyltoluene
Concen: 105.609 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 453109

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.4	13.7	41.1

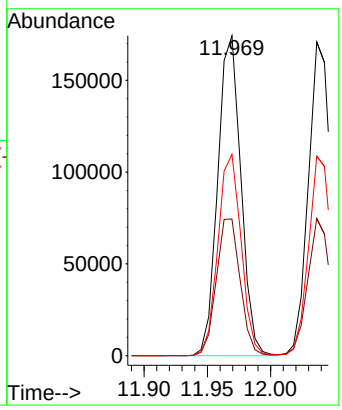




#87
1,3-Dichlorobenzene
Concen: 101.749 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 22148

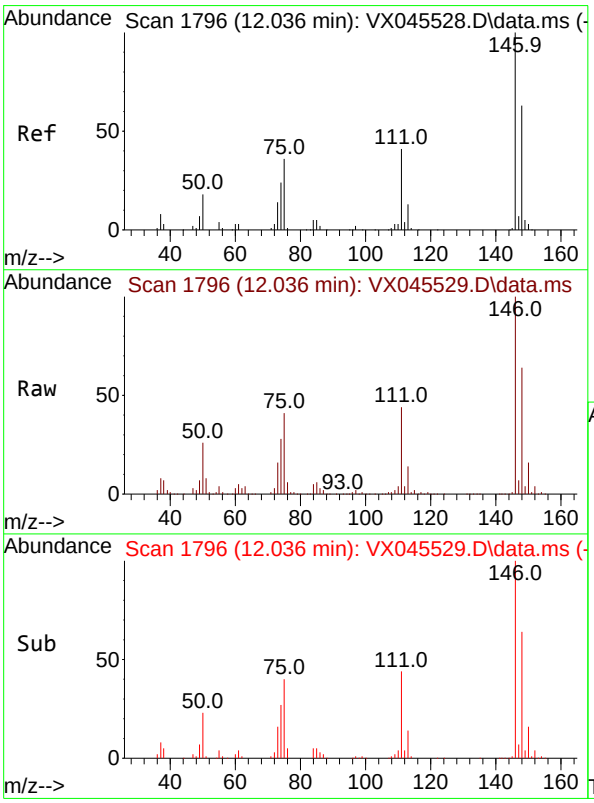
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

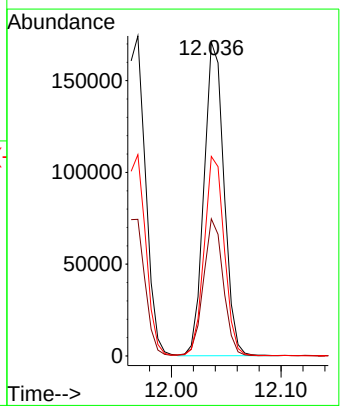
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

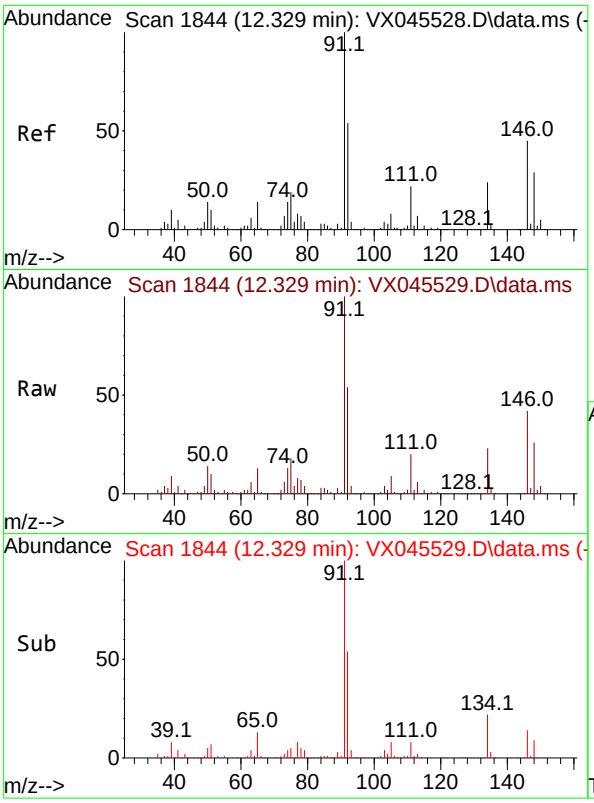


#88
1,4-Dichlorobenzene
Concen: 98.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 216367

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.9	62.8
148	64.0	31.5	94.5

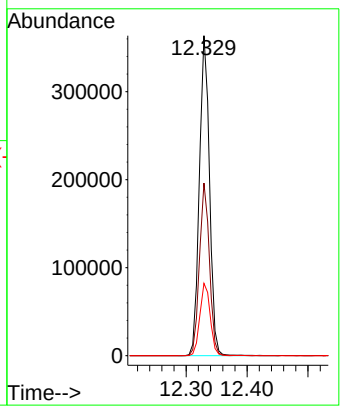




#89
n-Butylbenzene
Concen: 113.075 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 42069

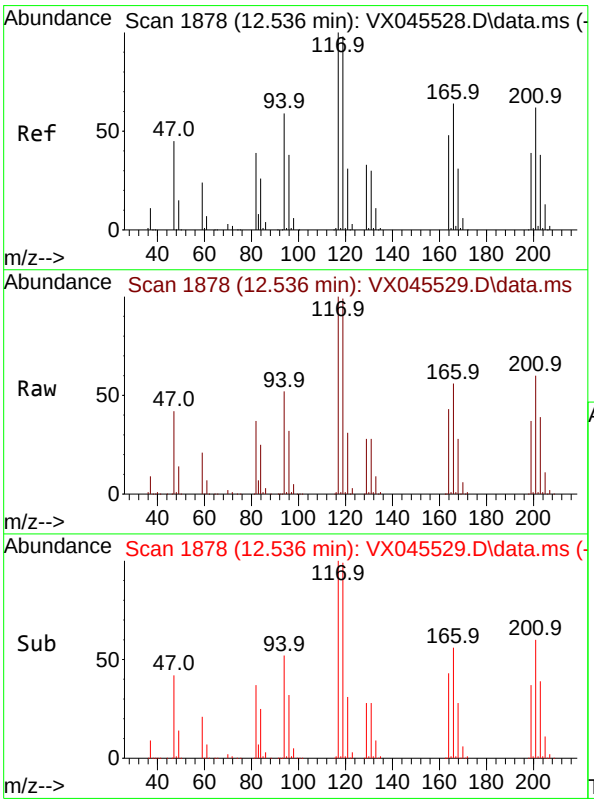
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.6
134	23.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

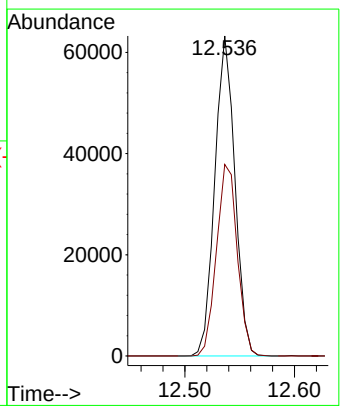
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

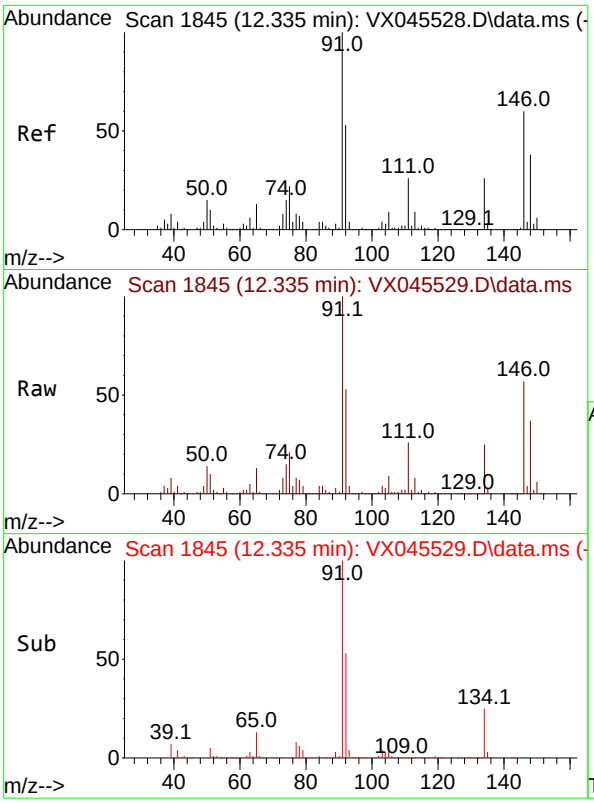


#90
Hexachloroethane
Concen: 109.160 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 80489

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.2	93.6

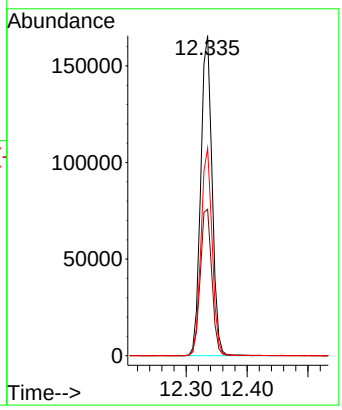




#91
1,2-Dichlorobenzene
Concen: 99.419 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 21515

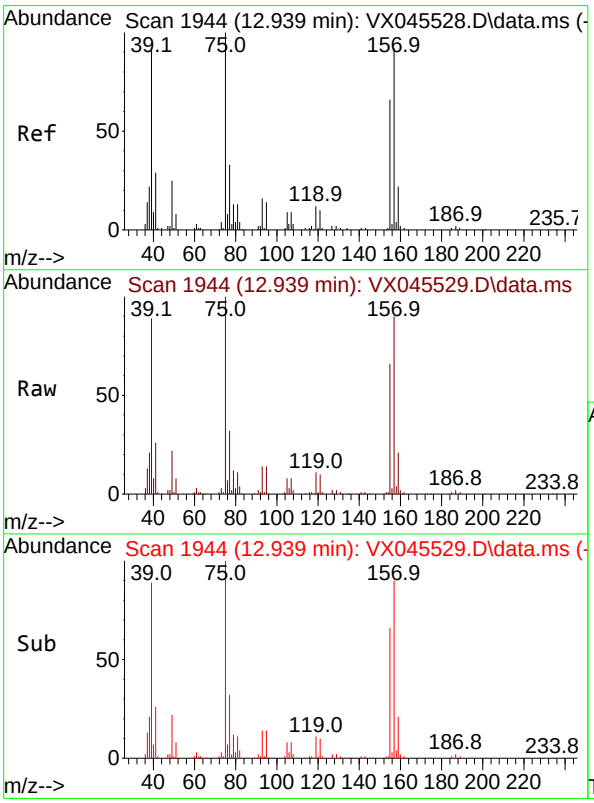
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

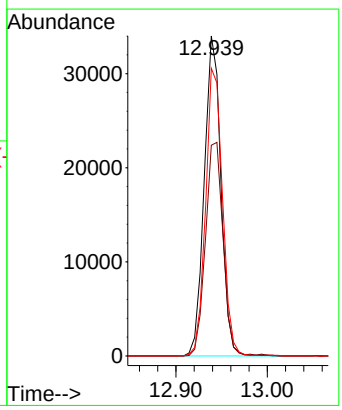
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

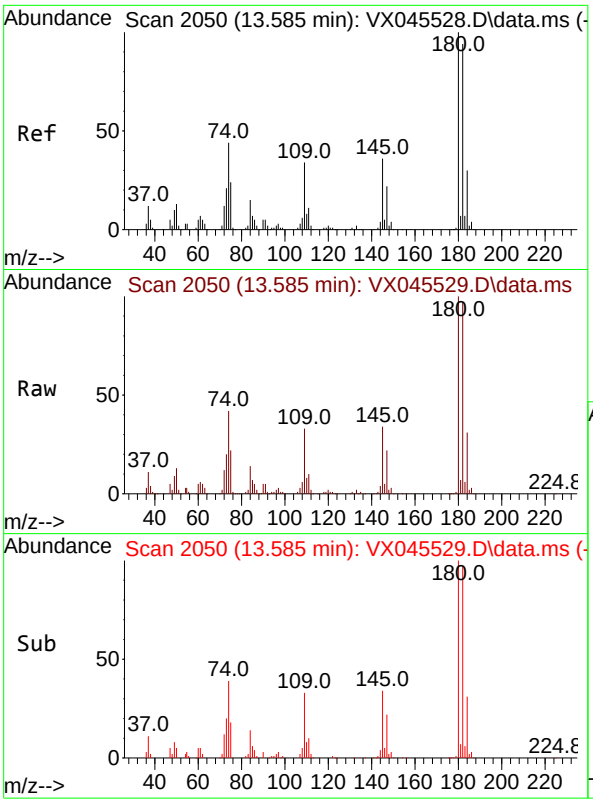


#92
1,2-Dibromo-3-Chloropropane
Concen: 113.214 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 43047

Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.9	104.7
157	90.6	44.9	134.7

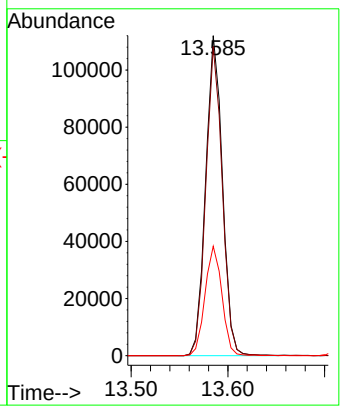




#93
1,2,4-Trichlorobenzene
Concen: 112.106 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 13504

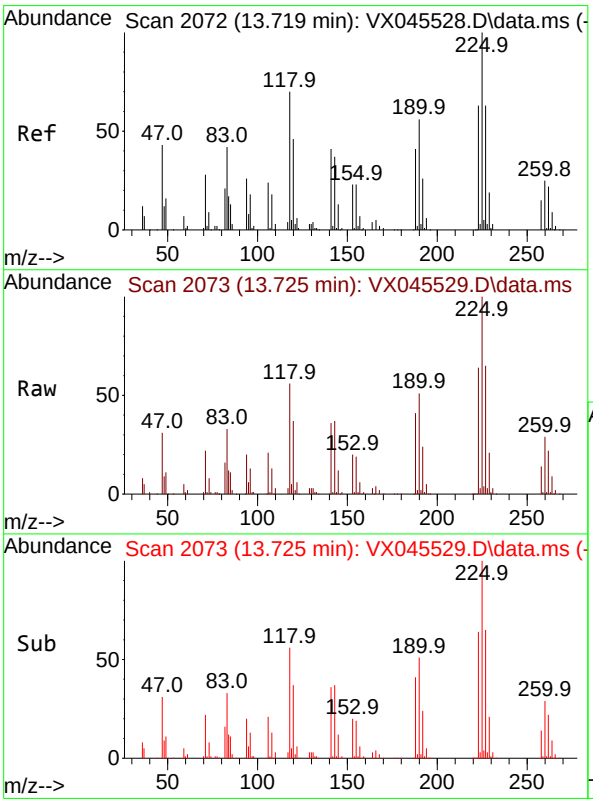
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

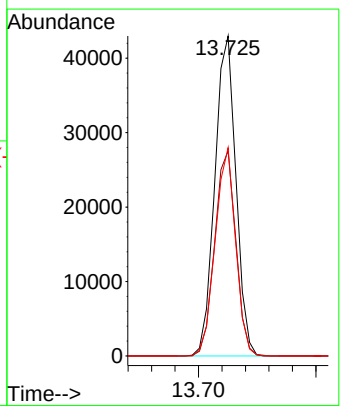
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

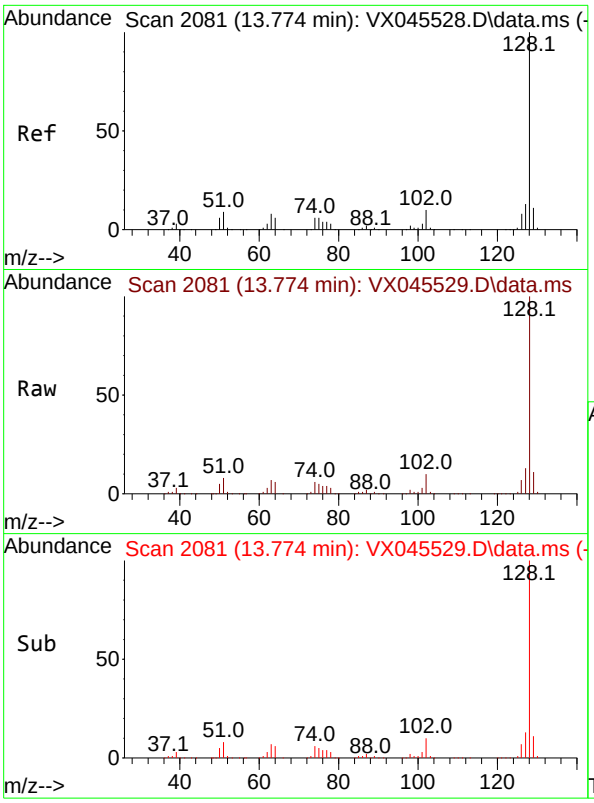


#94
Hexachlorobutadiene
Concen: 103.326 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:225 Resp: 53636

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	62.9	32.2	96.6

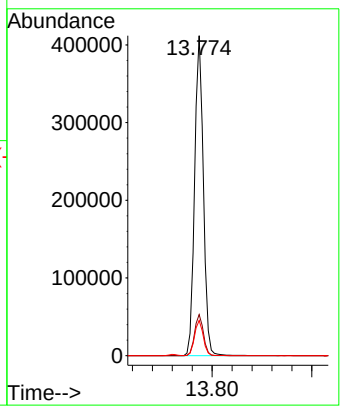




#95
Naphthalene
Concen: 111.473 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:128 Resp: 49971

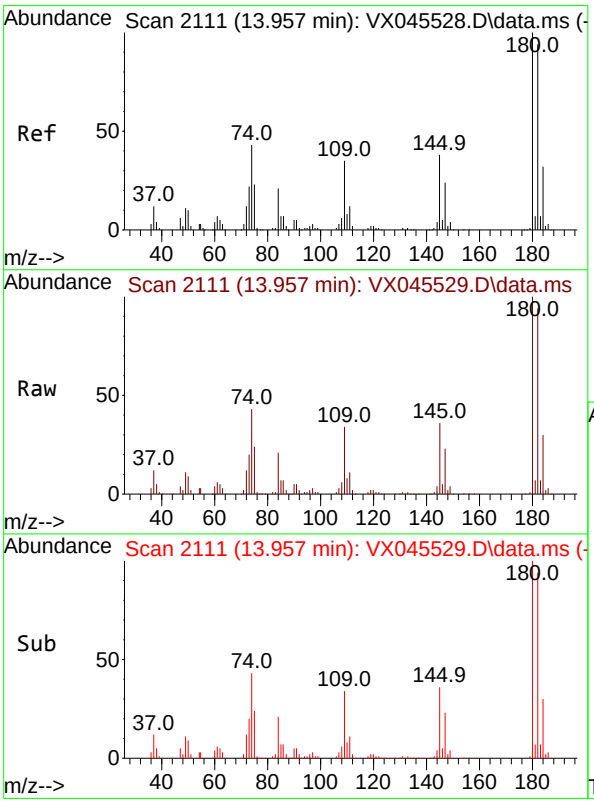
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

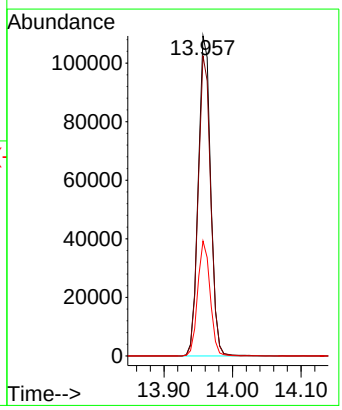
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 108.869 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 137328

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.0	18.2	54.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	90033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61380	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	252998	153.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.320%#			
35) Dibromofluoromethane	5.379	113	173598	152.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 305.780%#			
50) Toluene-d8	8.647	98	603264	152.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 304.440%#			
62) 4-Bromofluorobenzene	11.079	95	220921	153.035	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.060%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	221436	164.460	ug/l	100
3) Chloromethane	1.307	50	198321	143.373	ug/l	98
4) Vinyl Chloride	1.374	62	197096	155.697	ug/l	100
5) Bromomethane	1.593	94	88225	146.986	ug/l	97
6) Chloroethane	1.660	64	86251	128.421	ug/l	97
7) Trichlorofluoromethane	1.868	101	267098	141.495	ug/l	100
8) Diethyl Ether	2.136	74	96467	152.215	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	171118	154.698	ug/l	97
10) Methyl Iodide	2.441	142	202594	146.838	ug/l	99
11) Tert butyl alcohol	2.989	59	167769	758.202	ug/l	100
12) 1,1-Dichloroethene	2.307	96	166365	153.921	ug/l	97
13) Acrolein	2.239	56	232818	764.070	ug/l	100
14) Allyl chloride	2.654	41	313268	152.755	ug/l	99
15) Acrylonitrile	3.069	53	507965	727.247	ug/l	100
16) Acetone	2.386	43	479564	709.323	ug/l	99
17) Carbon Disulfide	2.502	76	443495	166.133	ug/l	99
18) Methyl Acetate	2.703	43	228558	146.832	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	598532	158.301	ug/l	99
20) Methylene Chloride	2.782	84	186382	147.254	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	170283	154.210	ug/l	98
22) Diisopropyl ether	3.764	45	636728	157.617	ug/l	94
23) Vinyl Acetate	3.721	43	2911326	834.120	ug/l	100
24) 1,1-Dichloroethane	3.605	63	349040	152.778	ug/l	99
25) 2-Butanone	4.556	43	740096	747.834	ug/l	99
26) 2,2-Dichloropropane	4.465	77	252063	170.765	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	205254	152.571	ug/l	98
28) Bromochloromethane	4.891	49	155600	140.938	ug/l	97
29) Tetrahydrofuran	5.001	42	475589	741.226	ug/l	100
30) Chloroform	5.087	83	353681	150.451	ug/l	98
31) Cyclohexane	5.458	56	310219	153.595	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	315136	158.426	ug/l	98
36) 1,1-Dichloropropene	5.684	75	239776	156.399	ug/l	98
37) Ethyl Acetate	4.715	43	294559	152.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	266770	161.005	ug/l	99
39) Methylcyclohexane	7.373	83	303251	161.366	ug/l	96
40) Benzene	6.031	78	703311	150.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	164699	160.155	ug/l		98
42) 1,2-Dichloroethane	6.080	62	296168	153.146	ug/l		100
43) Isopropyl Acetate	6.336	43	475823	162.494	ug/l		99
44) Trichloroethene	7.117	130	170940	153.599	ug/l		95
45) 1,2-Dichloropropane	7.428	63	179457	153.610	ug/l		98
46) Dibromomethane	7.574	93	135415	150.996	ug/l		98
47) Bromodichloromethane	7.818	83	279881	156.272	ug/l		98
48) Methyl methacrylate	7.690	41	240818	159.281	ug/l		99
49) 1,4-Dioxane	7.659	88	74929	2739.196	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1414771	728.817	ug/l		99
52) Toluene	8.714	92	420015	148.245	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	267671	150.589	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	287973	171.104	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	163426	144.752	ug/l		98
56) Ethyl methacrylate	9.116	69	285895	163.624	ug/l		98
57) 1,3-Dichloropropane	9.305	76	288430	146.708	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	703881	796.340	ug/l		99
59) 2-Hexanone	9.433	43	1053971	733.198	ug/l		100
60) Dibromochloromethane	9.519	129	194342	157.895	ug/l		98
61) 1,2-Dibromoethane	9.610	107	174571	152.745	ug/l		99
64) Tetrachloroethene	9.269	164	138926	147.568	ug/l		98
65) Chlorobenzene	10.080	112	444631	156.049	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	156069	157.769	ug/l		99
67) Ethyl Benzene	10.189	91	821130	160.907	ug/l		99
68) m/p-Xylenes	10.299	106	583228	314.231	ug/l		99
69) o-Xylene	10.640	106	285670	156.241	ug/l		100
70) Styrene	10.653	104	480722	159.299	ug/l		99
71) Bromoform	10.799	173	126115	170.743	ug/l	#	98
73) Isopropylbenzene	10.957	105	764406	155.475	ug/l		100
74) N-amyl acetate	10.842	43	408934	173.877	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	249980	144.737	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	215694m	144.064	ug/l		
77) Bromobenzene	11.195	156	171573	151.033	ug/l		99
78) n-propylbenzene	11.305	91	897084	158.408	ug/l		100
79) 2-Chlorotoluene	11.360	91	537263	148.399	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	620819	152.700	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	78805	178.636	ug/l		93
82) 4-Chlorotoluene	11.451	91	615594	152.505	ug/l		99
83) tert-Butylbenzene	11.713	119	627039	155.783	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	629704	154.317	ug/l		100
85) sec-Butylbenzene	11.890	105	790355	159.869	ug/l		100
86) p-Isopropyltoluene	12.006	119	641521	157.397	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	314077	151.885	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	314197	149.876	ug/l		99
89) n-Butylbenzene	12.329	91	604445	171.019	ug/l		100
90) Hexachloroethane	12.536	117	121761	173.829	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	307031	149.342	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64317	178.062	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	199365	174.213	ug/l		99
94) Hexachlorobutadiene	13.725	225	77792	157.752	ug/l		99
95) Naphthalene	13.774	128	733300	172.191	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	201989	168.562	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

ICAL Form

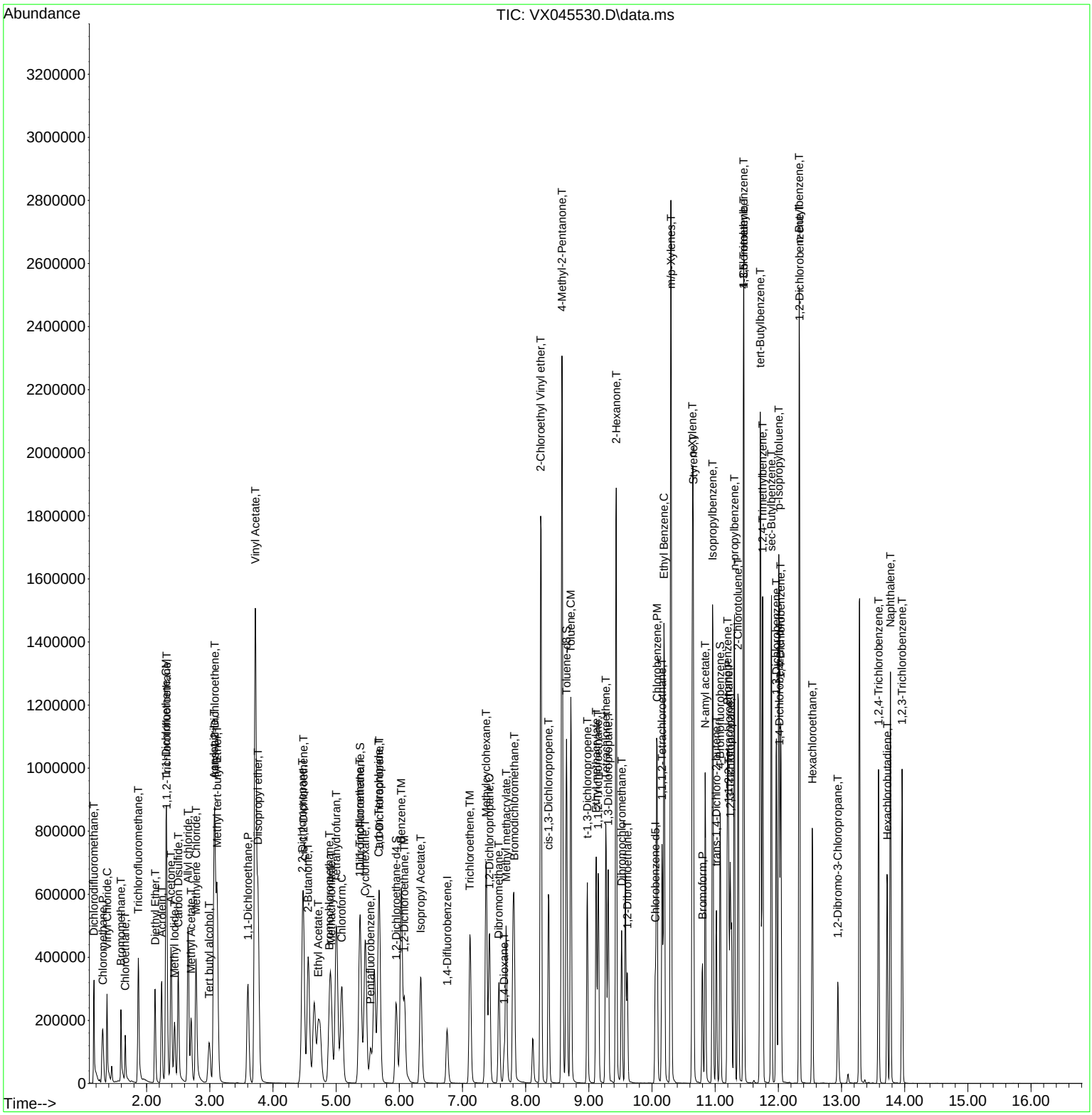
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

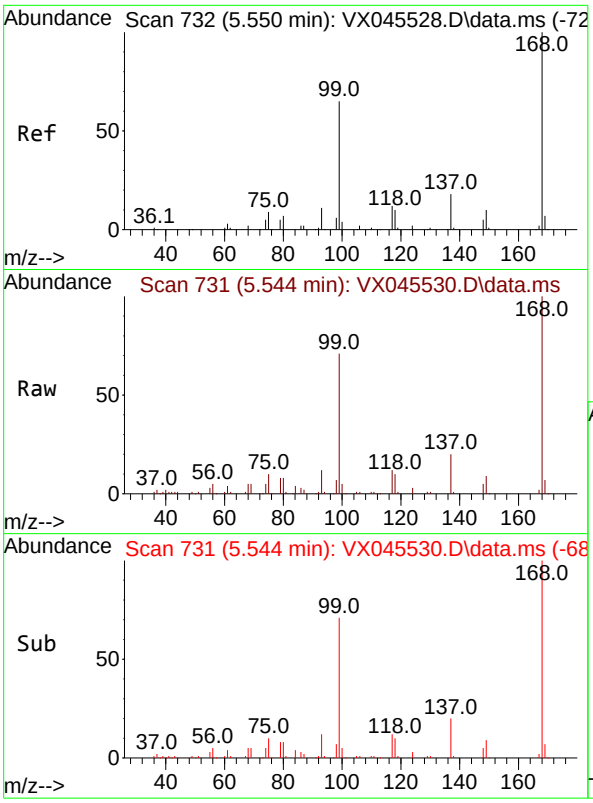
Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

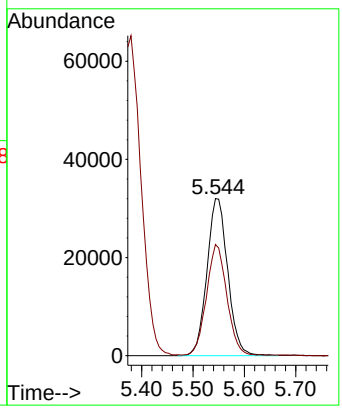




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:168 Resp: 9003

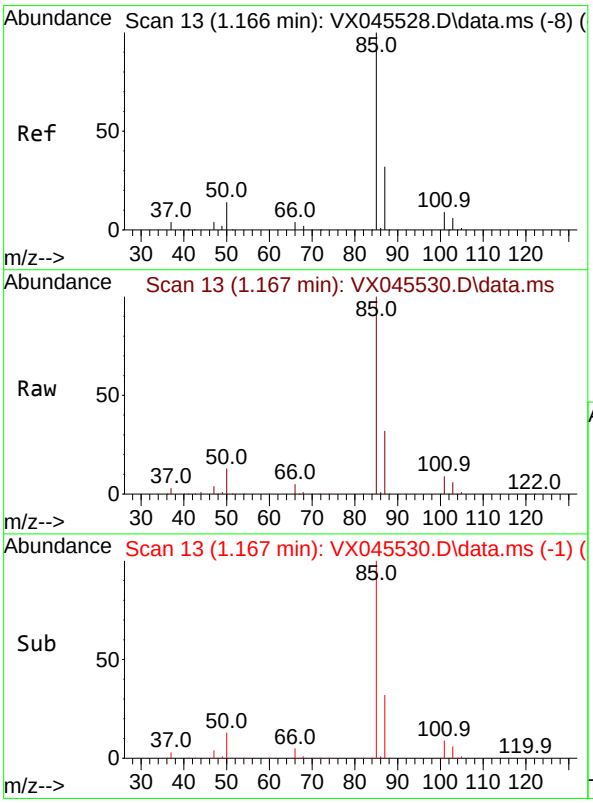
Ion	Ratio	Lower	Upper
168	100		
99	70.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

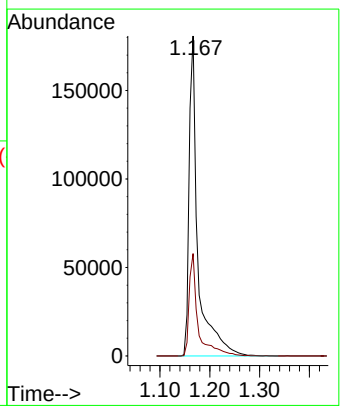
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

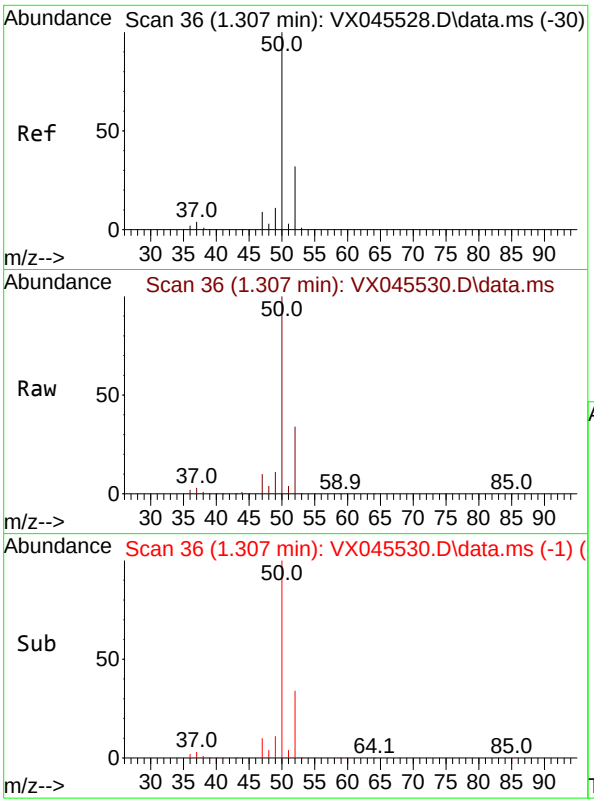


#2
Dichlorodifluoromethane
Concen: 164.460 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 85 Resp: 221436

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2

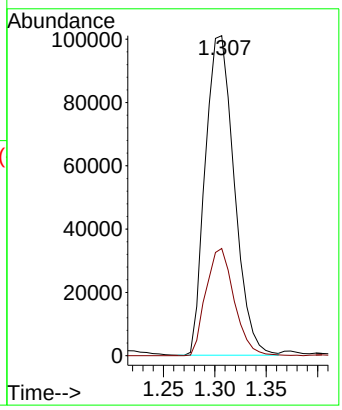




#3
Chloromethane
Concen: 143.373 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 50 Resp: 19832

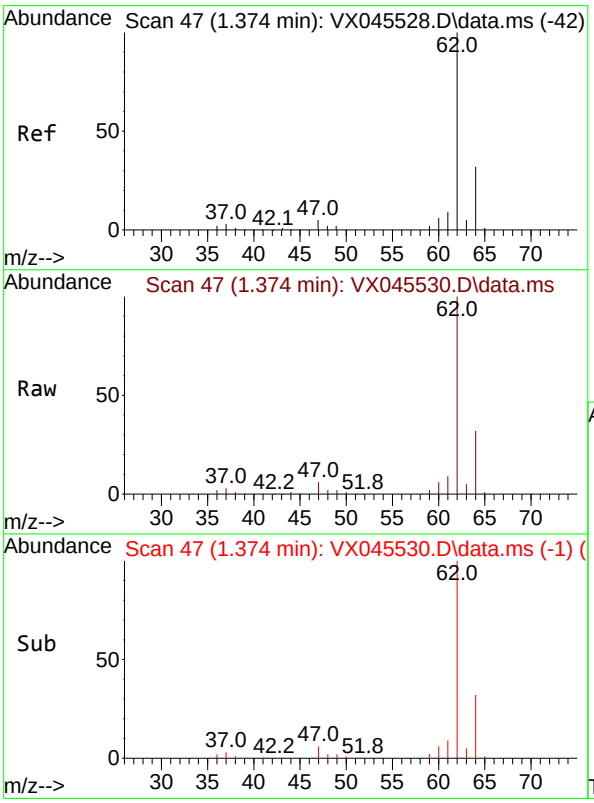
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

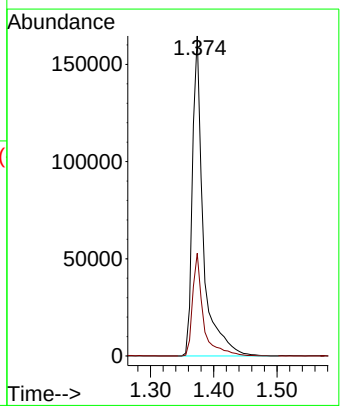
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

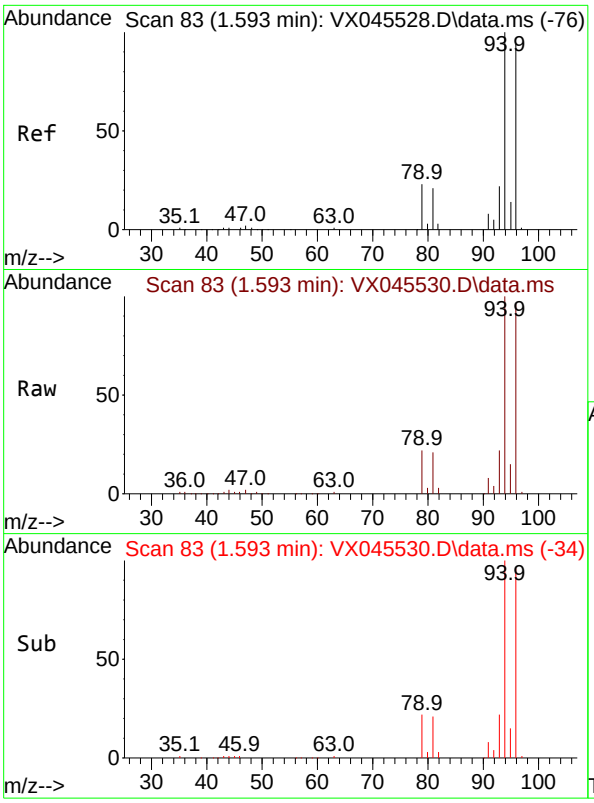


#4
Vinyl Chloride
Concen: 155.697 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 197096

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.5	38.3

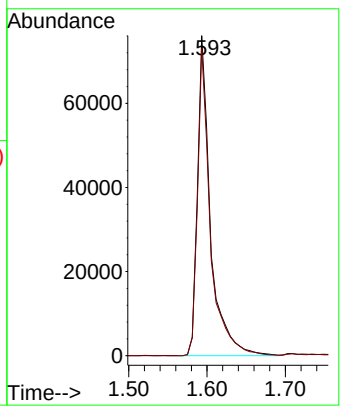




#5
Bromomethane
Concen: 146.986 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 94 Resp: 8822

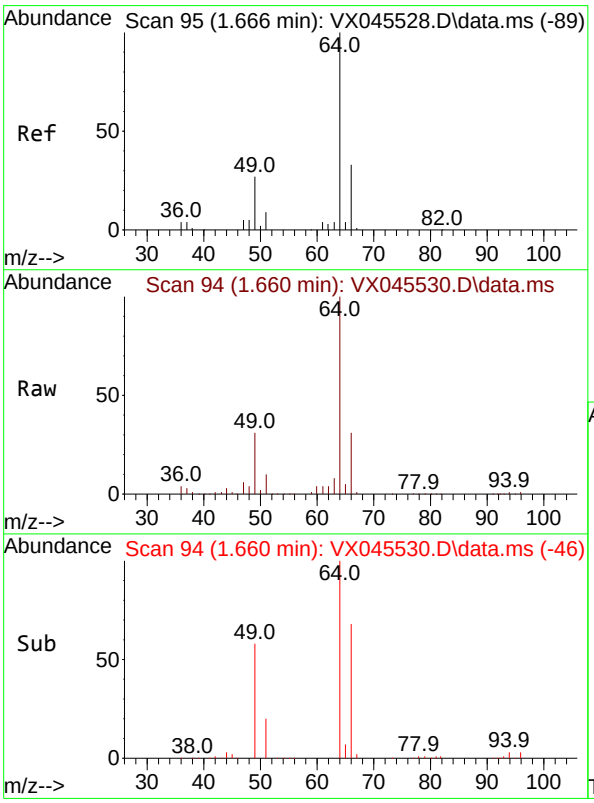
Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

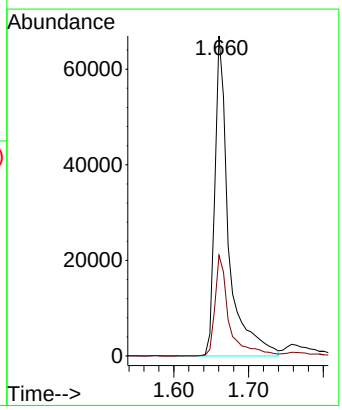
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

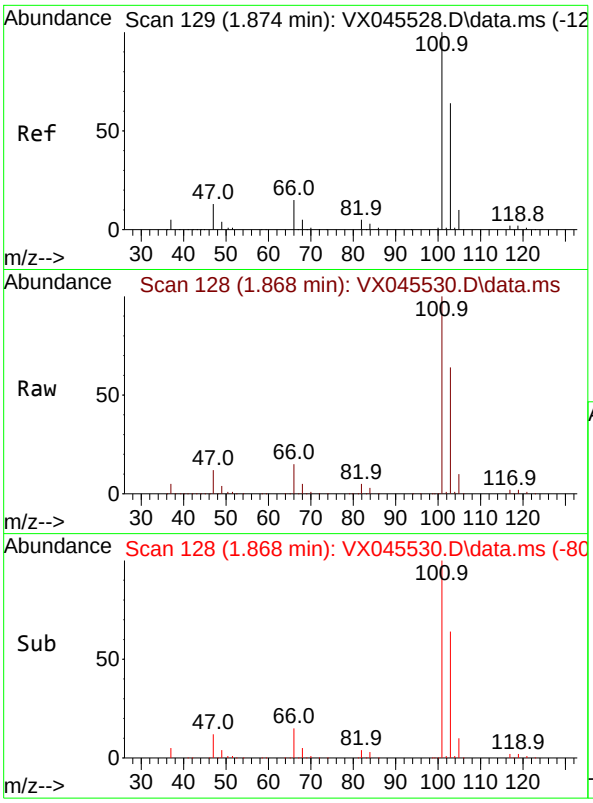


#6
Chloroethane
Concen: 128.421 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 64 Resp: 86251

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.3	39.5

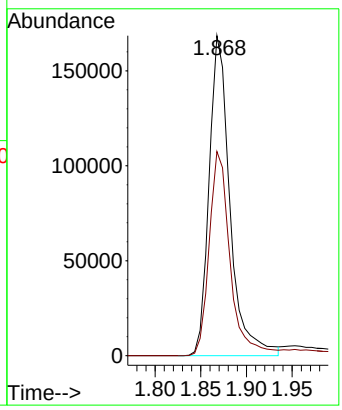




#7
Trichlorofluoromethane
Concen: 141.495 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:101 Resp: 26709

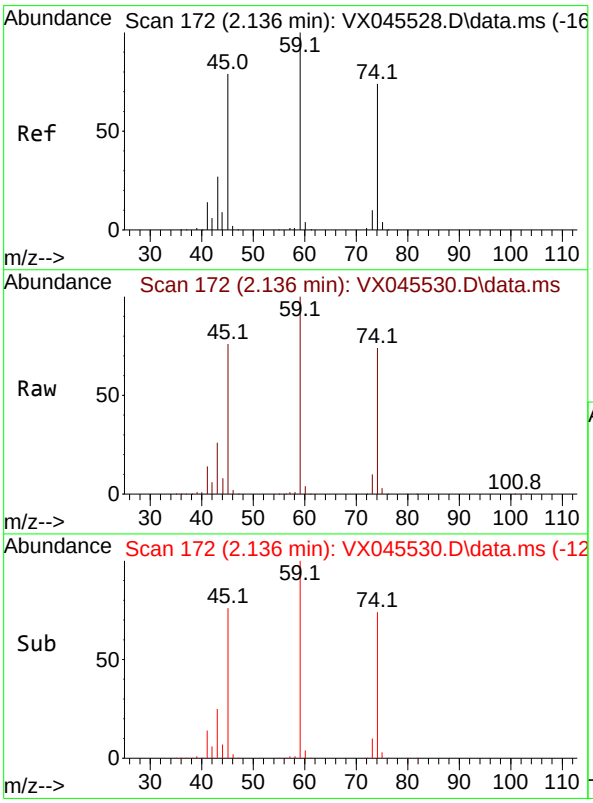
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

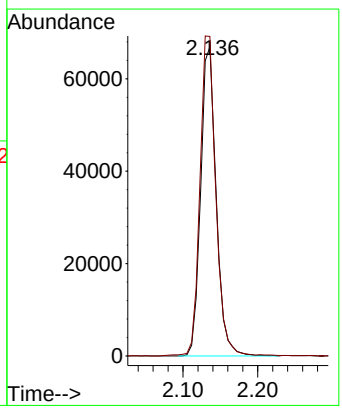
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

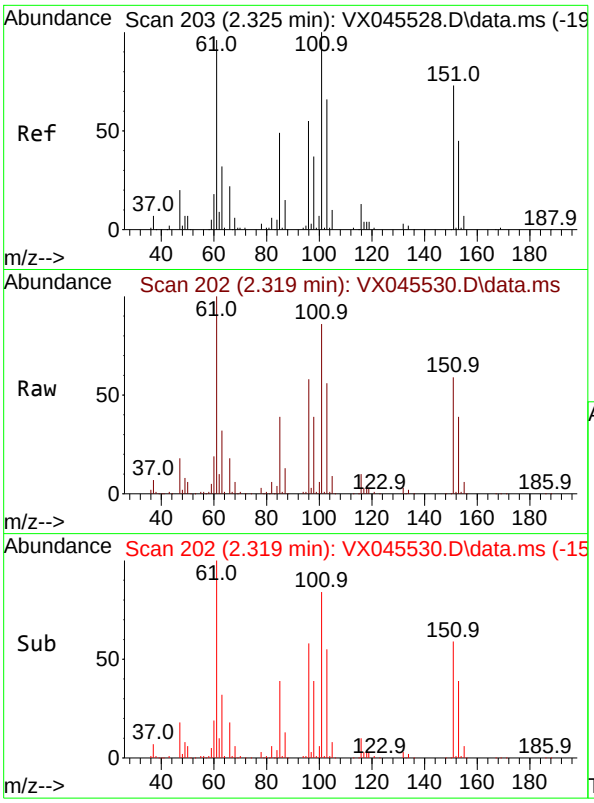


#8
Diethyl Ether
Concen: 152.215 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 74 Resp: 96467

Ion	Ratio	Lower	Upper
74	100		
45	105.8	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.698 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

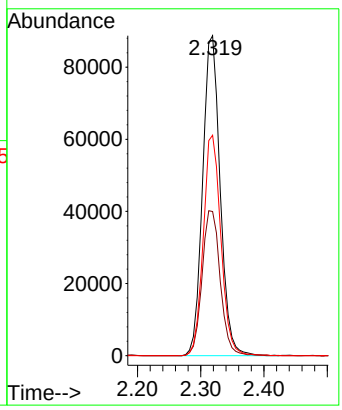
Tgt Ion:101 Resp: 17111

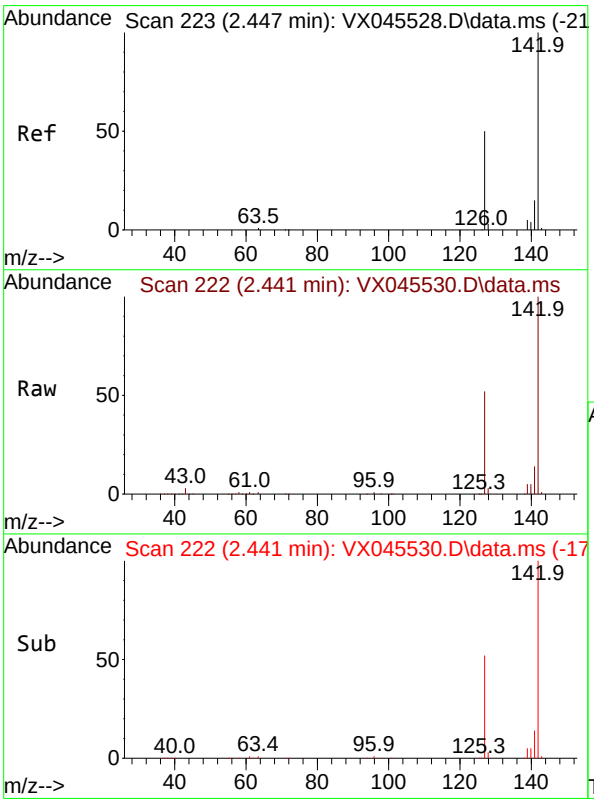
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

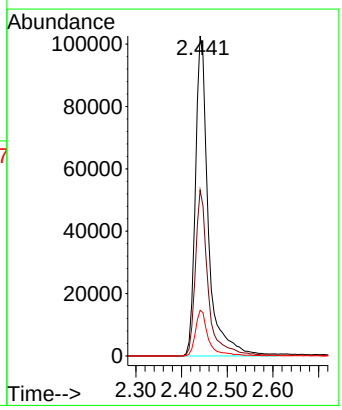


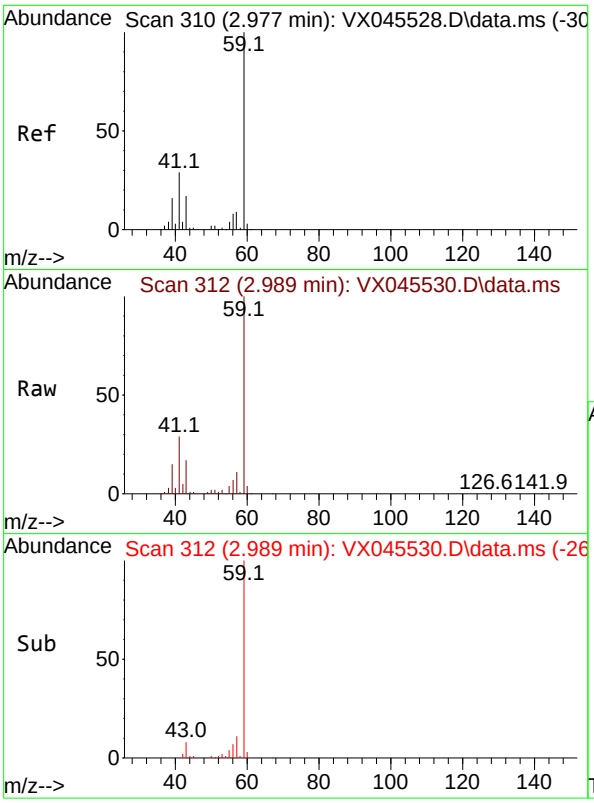


#10
Methyl Iodide
Concen: 146.838 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:142 Resp: 202594

Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.2	60.4
141	14.3	11.7	17.5





#11
Tert butyl alcohol
Concen: 758.202 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

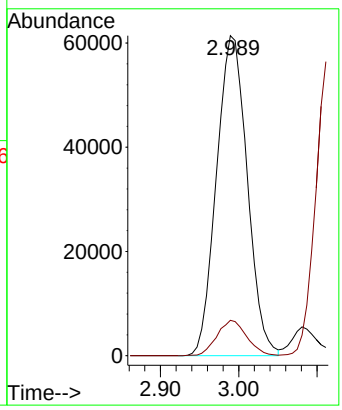
Tgt Ion: 59 Resp: 16776

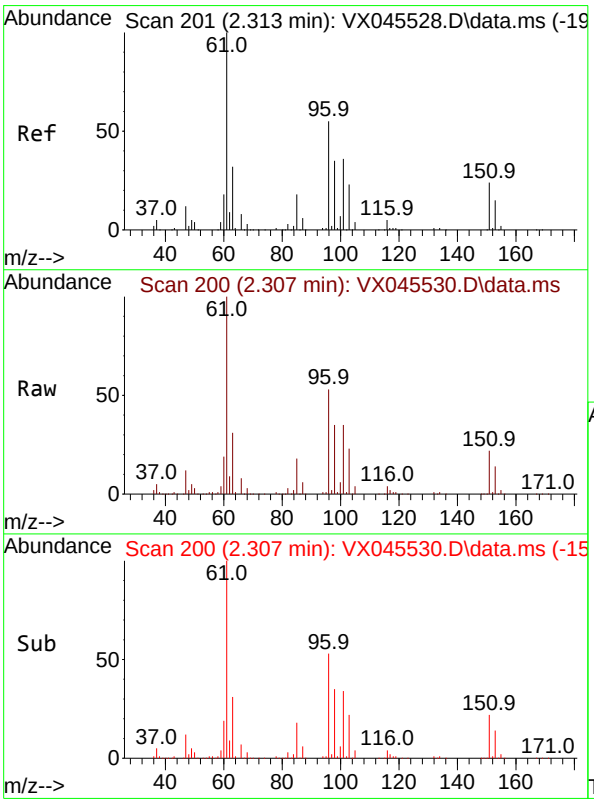
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

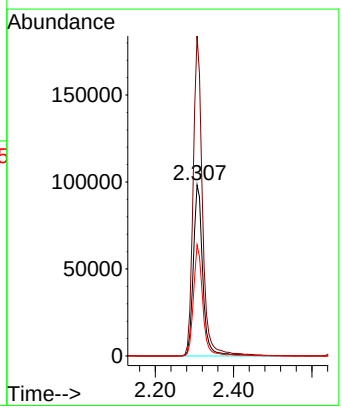


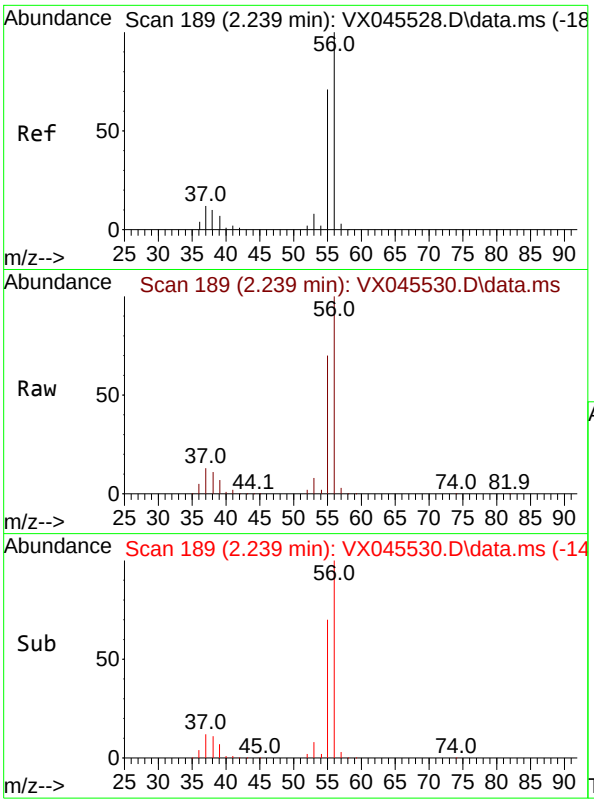


#12
1,1-Dichloroethene
Concen: 153.921 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 166365

Ion	Ratio	Lower	Upper
96	100		
61	187.0	145.7	218.5
98	65.0	51.6	77.4

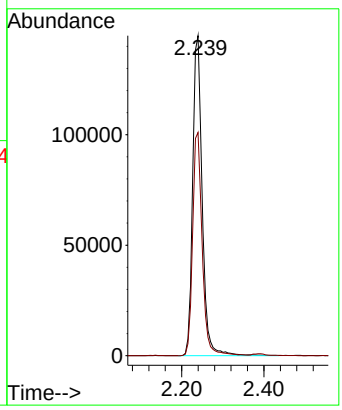




#13
Acrolein
Concen: 764.070 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 23281

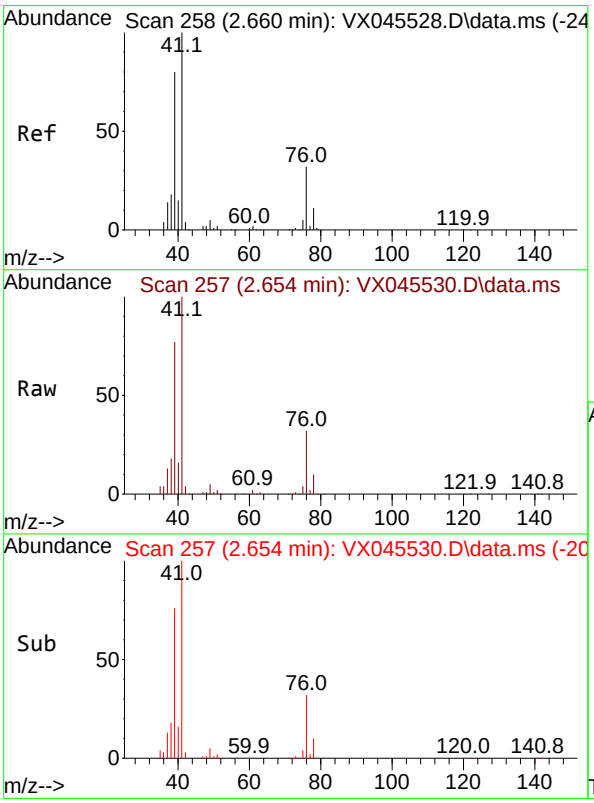
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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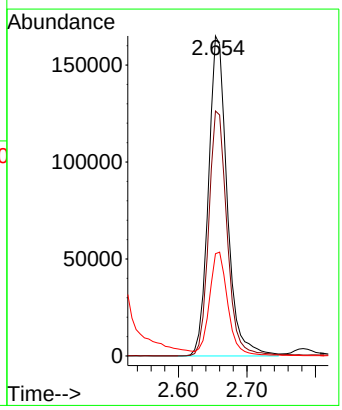
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

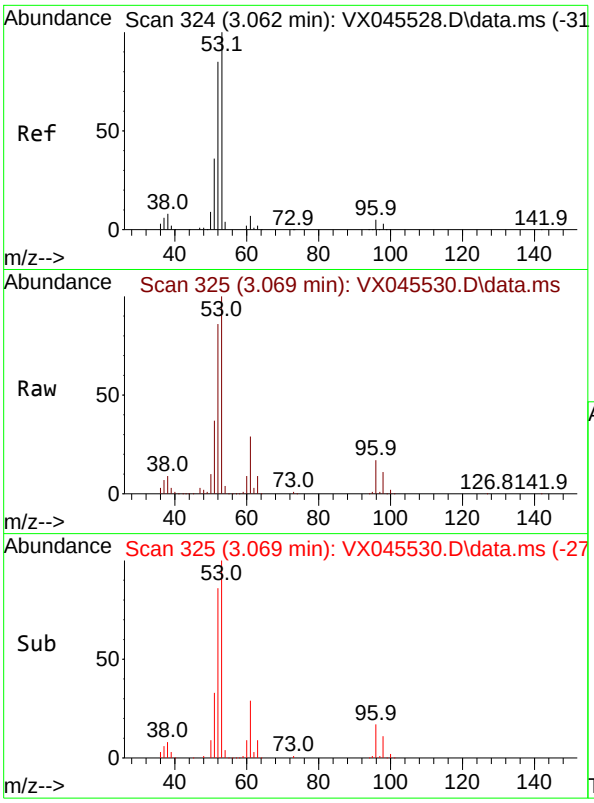


#14
Allyl chloride
Concen: 152.755 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 313268

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.2	90.2
76	32.2	24.6	36.8

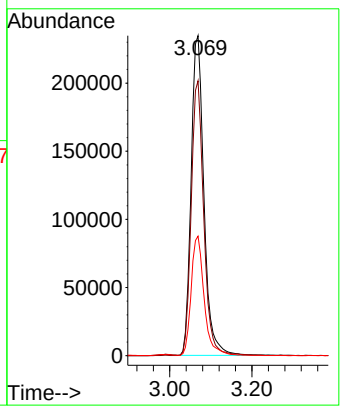




#15
Acrylonitrile
Concen: 727.247 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 53 Resp: 50796

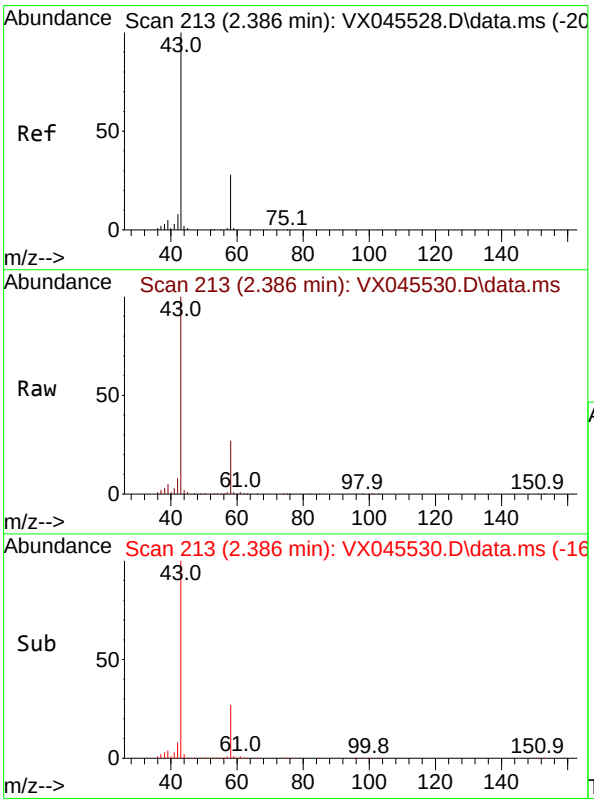
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	37.7	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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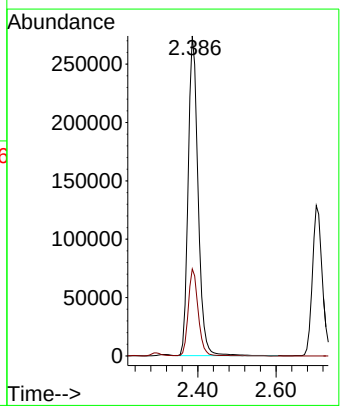
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

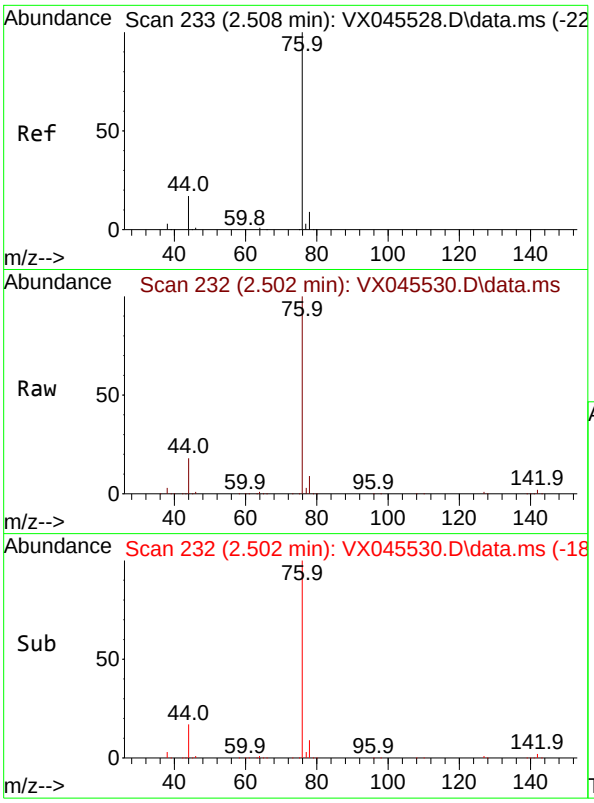


#16
Acetone
Concen: 709.323 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 479564

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

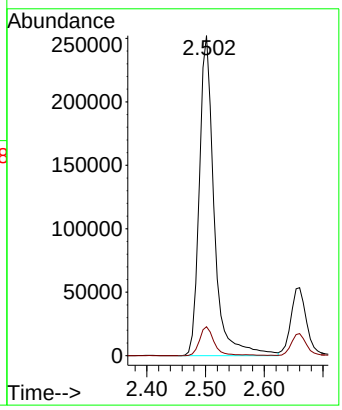




#17
Carbon Disulfide
Concen: 166.133 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 44349

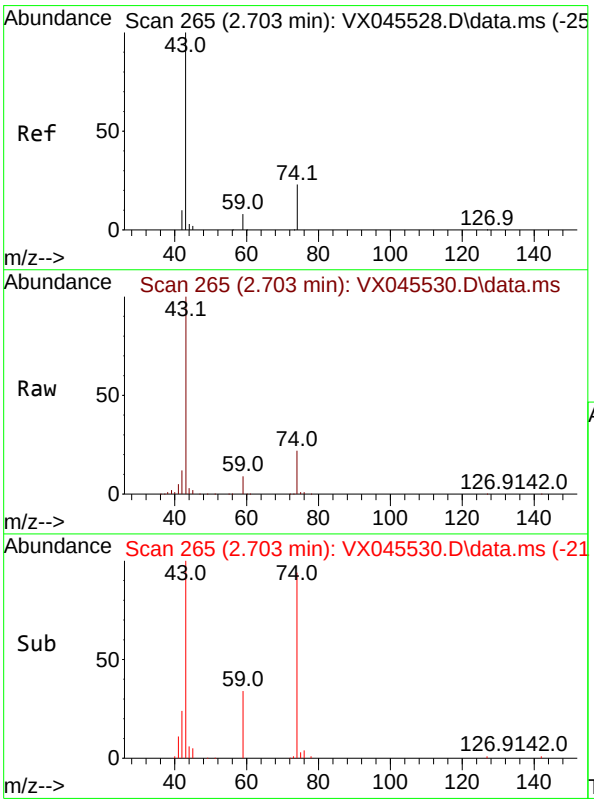
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

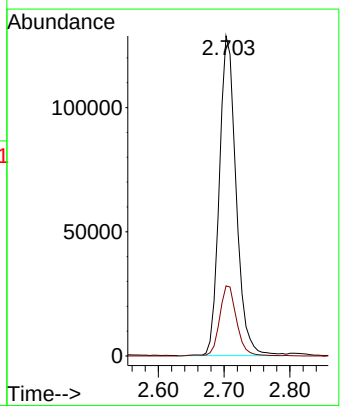
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

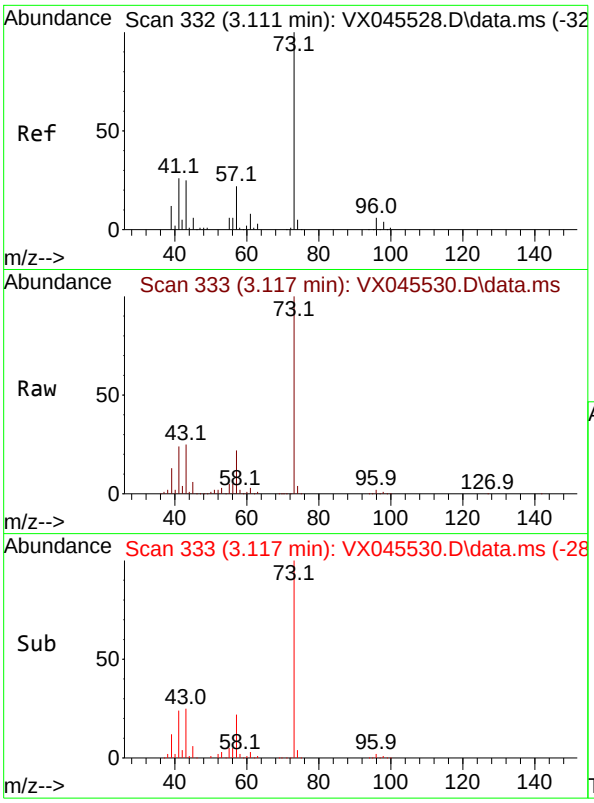


#18
Methyl Acetate
Concen: 146.832 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 228558

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.5	26.3

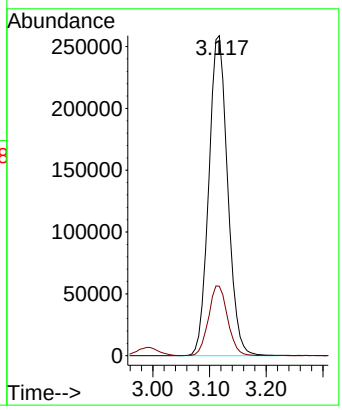




#19
Methyl tert-butyl Ether
Concen: 158.301 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 73 Resp: 59853

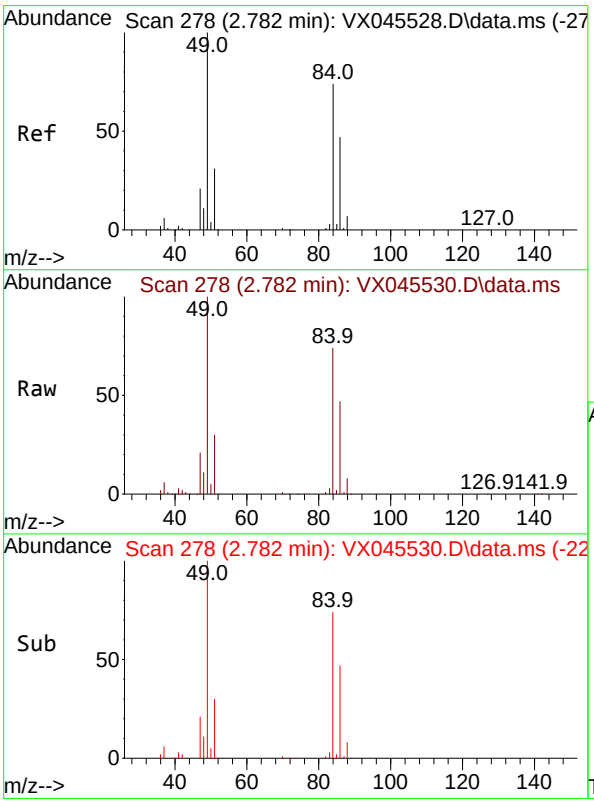
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

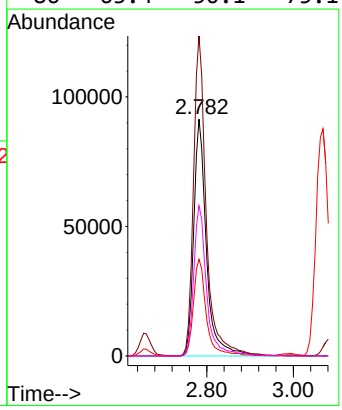
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

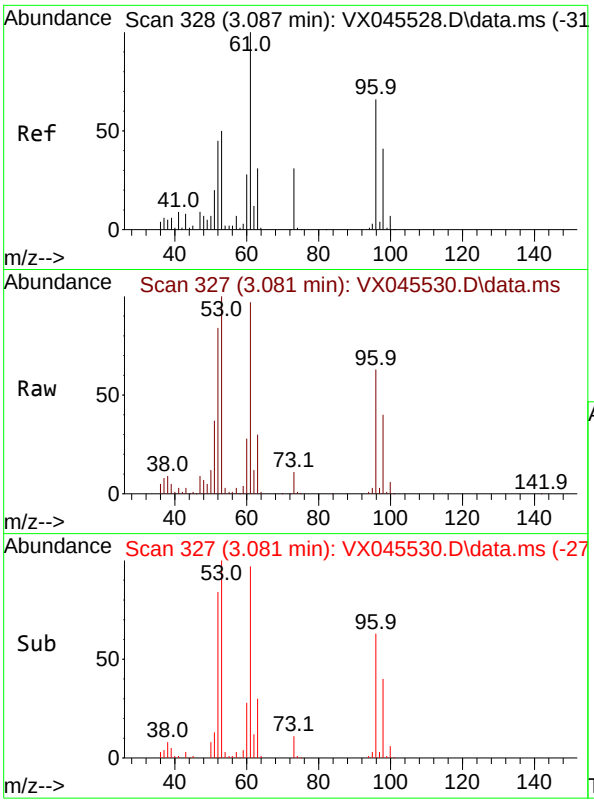


#20
Methylene Chloride
Concen: 147.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 84 Resp: 186382

Ion	Ratio	Lower	Upper
84	100		
49	135.1	107.5	161.3
51	40.8	33.0	49.6
86	63.4	50.1	75.1





#21
trans-1,2-Dichloroethene
Concen: 154.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

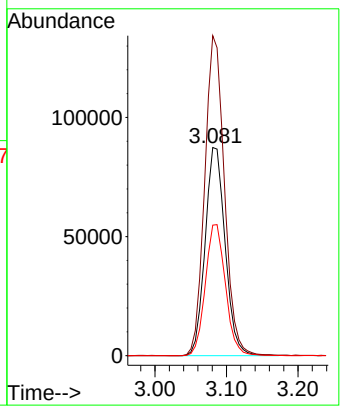
Tgt Ion: 96 Resp: 17028

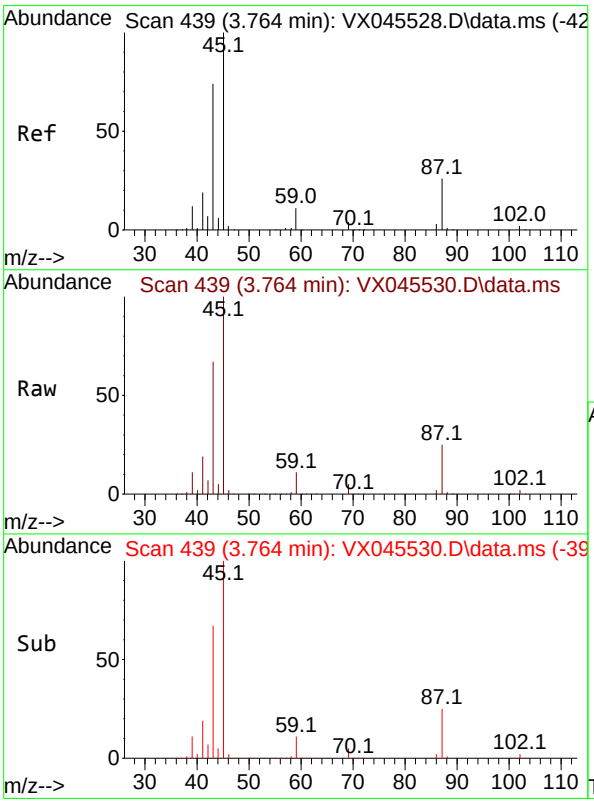
Ion	Ratio	Lower	Upper
96	100		
61	153.7	121.0	181.6
98	62.7	49.7	74.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

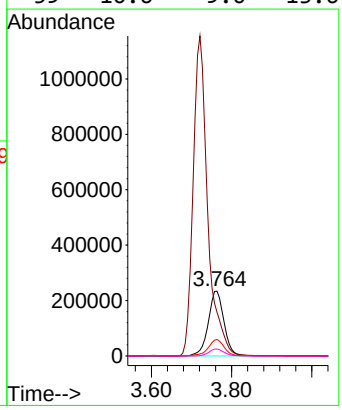


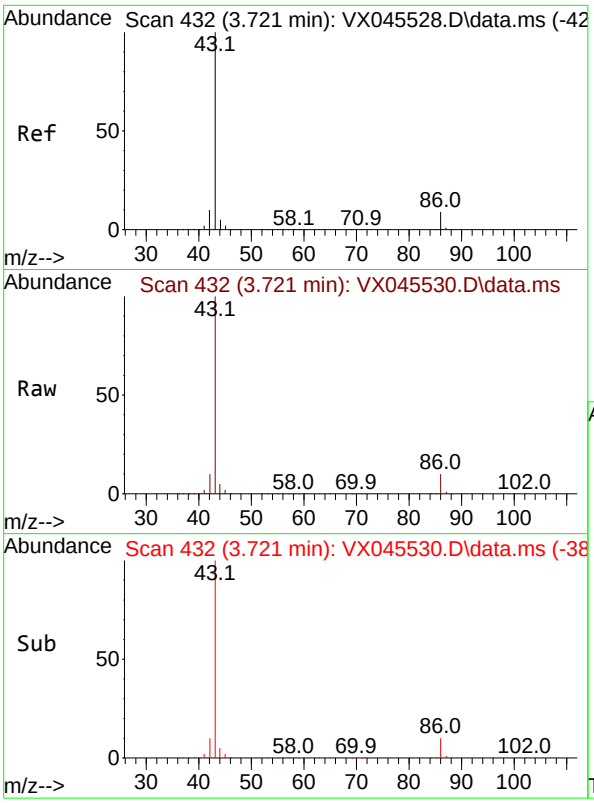


#22
Diisopropyl ether
Concen: 157.617 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 45 Resp: 636728

Ion	Ratio	Lower	Upper
45	100		
43	67.0	59.3	88.9
87	25.5	20.4	30.6
59	10.6	9.0	13.6

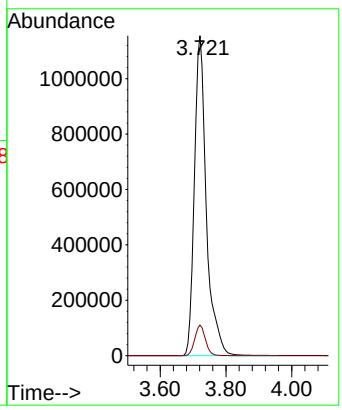




#23
Vinyl Acetate
Concen: 834.120 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 291132

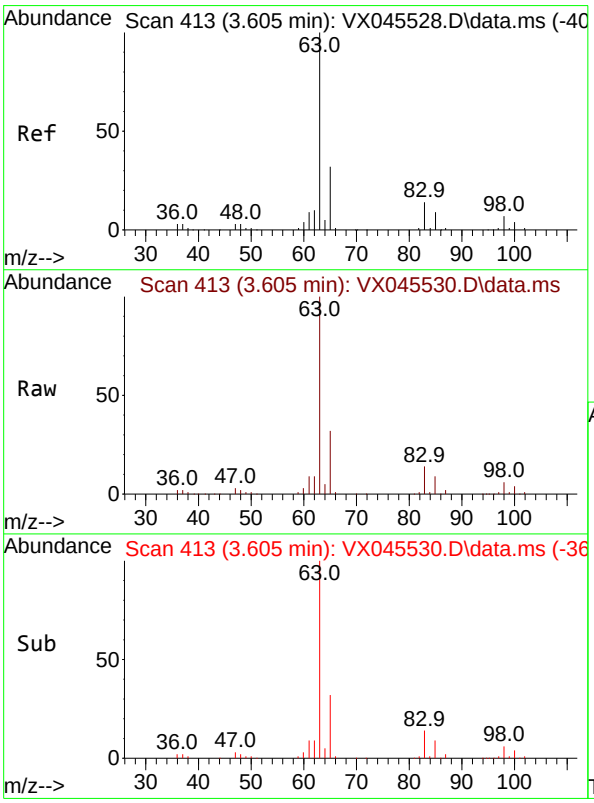
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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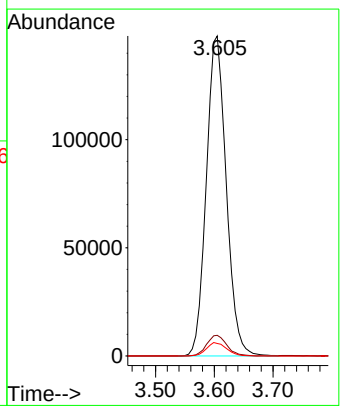
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

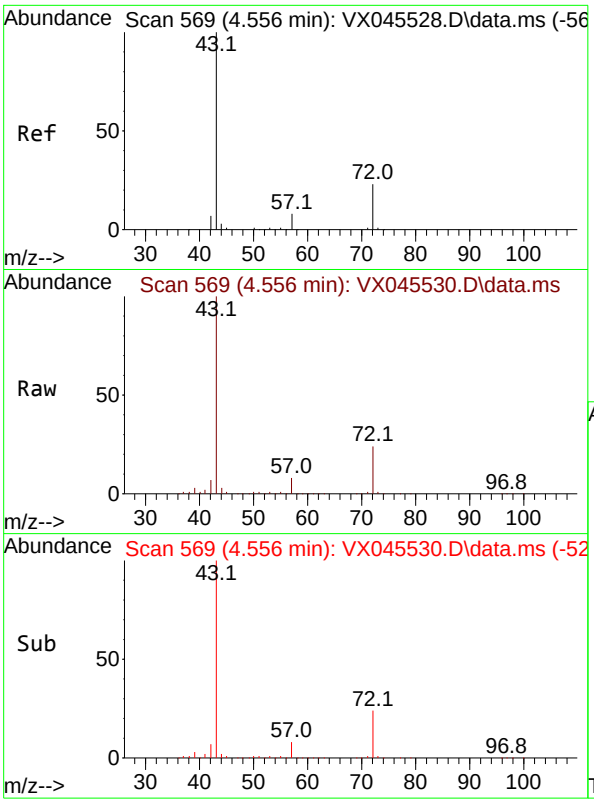


#24
1,1-Dichloroethane
Concen: 152.778 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 349040

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	3.9	2.2	6.6





#25
2-Butanone
Concen: 747.834 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

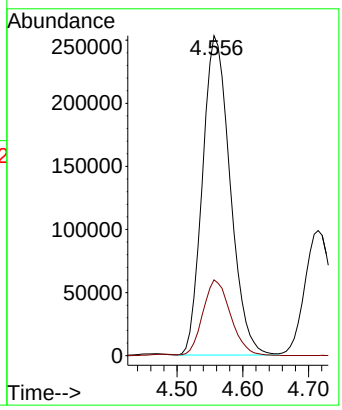
Tgt Ion: 43 Resp: 74009

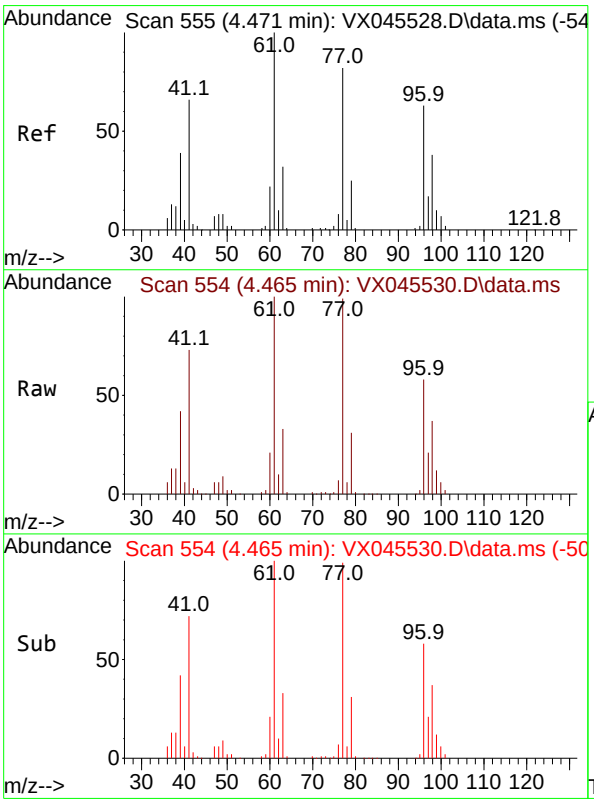
Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

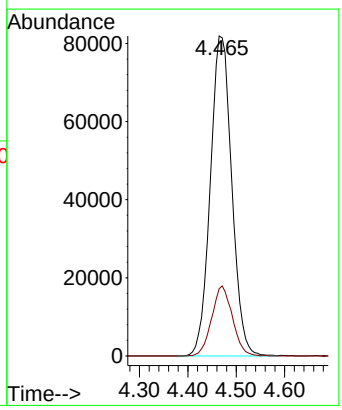


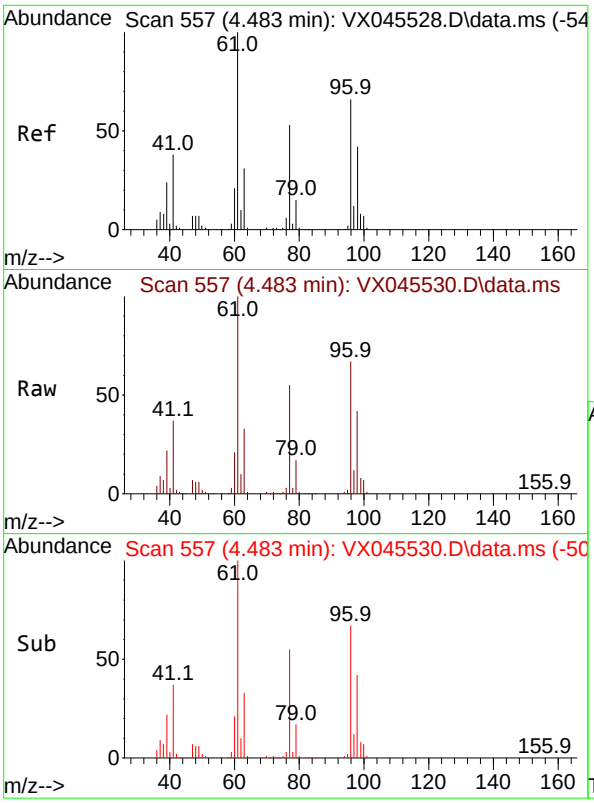


#26
2,2-Dichloropropane
Concen: 170.765 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 77 Resp: 252063

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

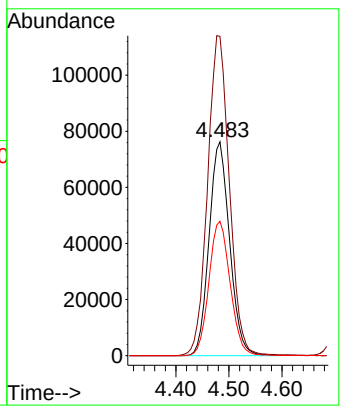




#27
cis-1,2-Dichloroethene
Concen: 152.571 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 20525

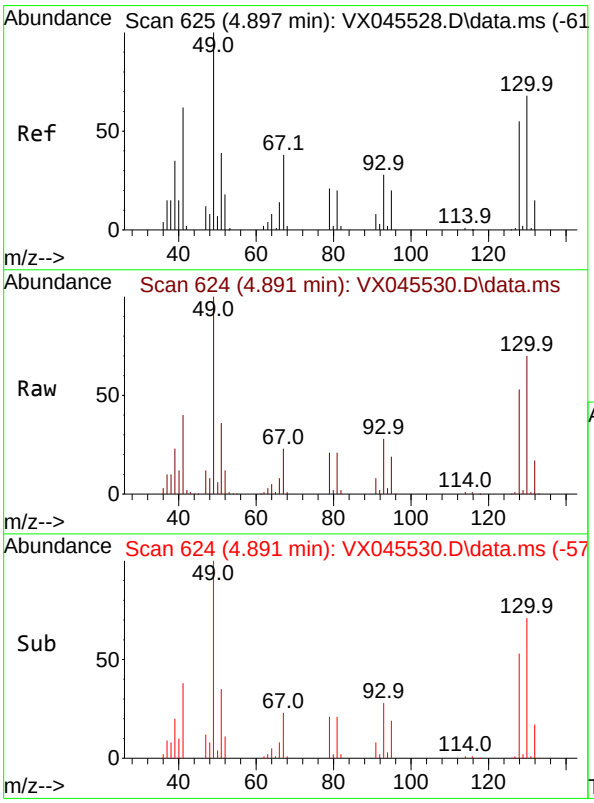
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	313.2
98	64.9	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

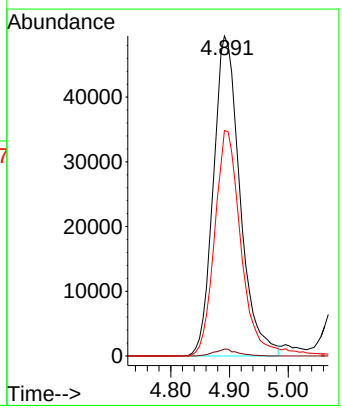
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

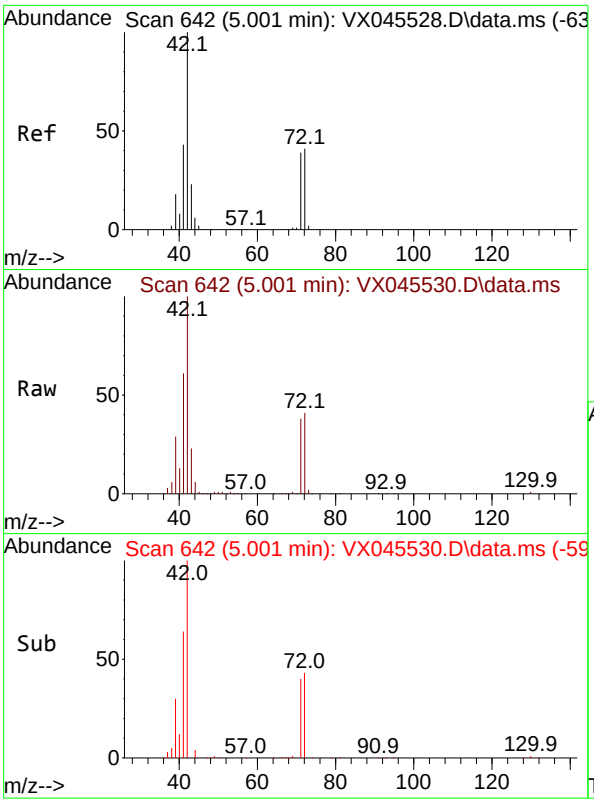


#28
Bromochloromethane
Concen: 140.938 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 49 Resp: 155600

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	70.7	54.6	81.8

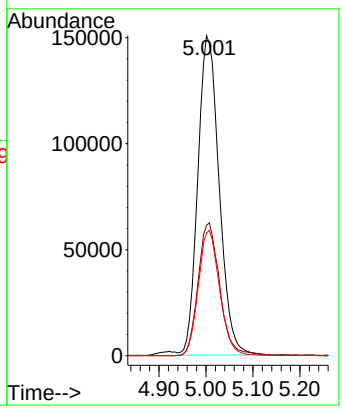




#29
Tetrahydrofuran
Concen: 741.226 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 42 Resp: 47558

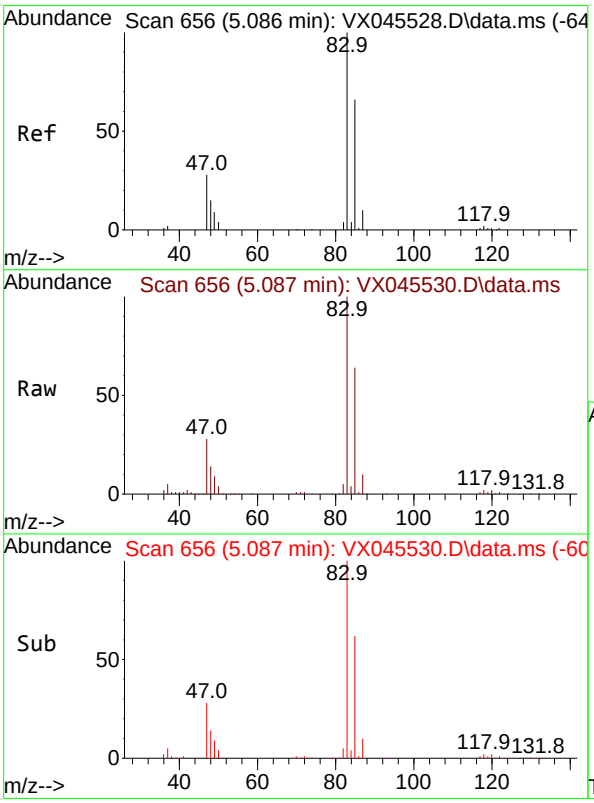
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

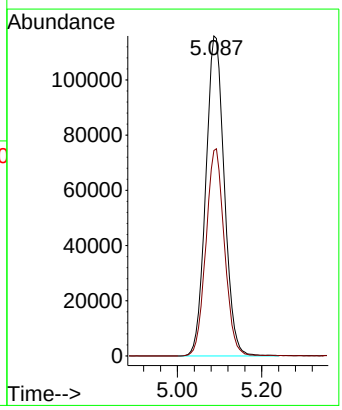
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

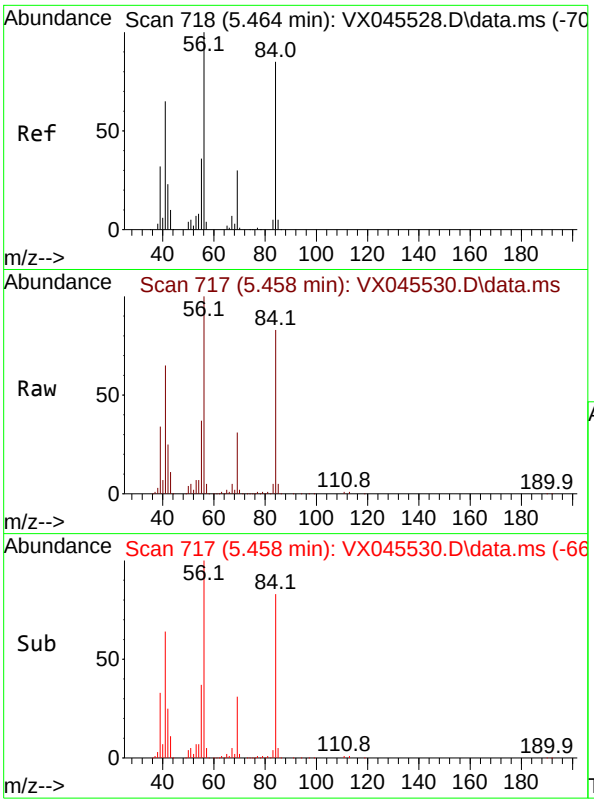


#30
Chloroform
Concen: 150.451 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 353681

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

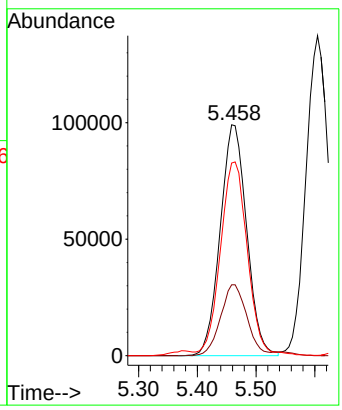




#31
Cyclohexane
Concen: 153.595 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 31021

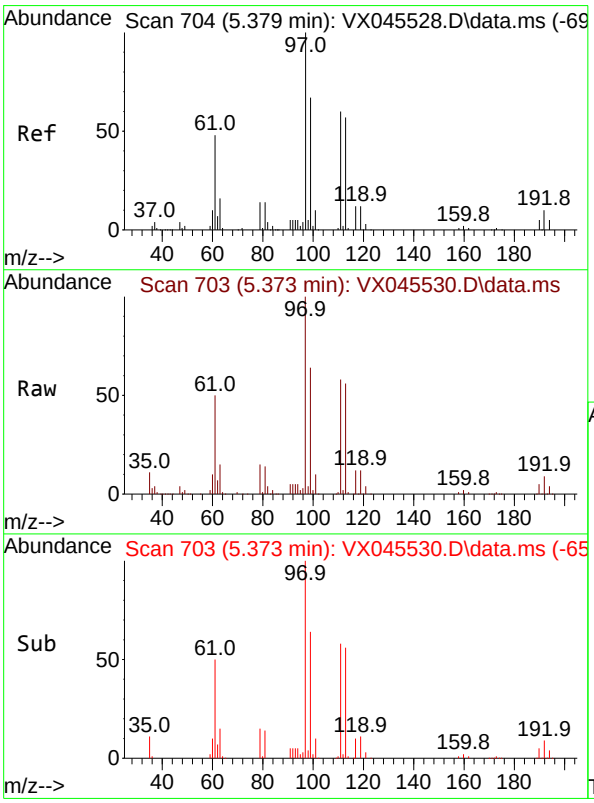
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.6	35.4
84	81.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

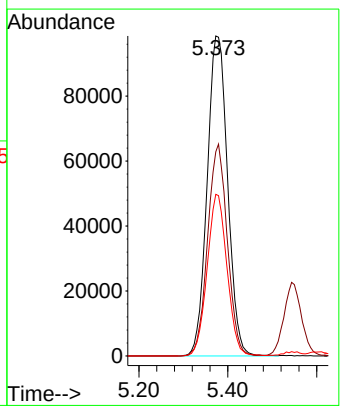
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

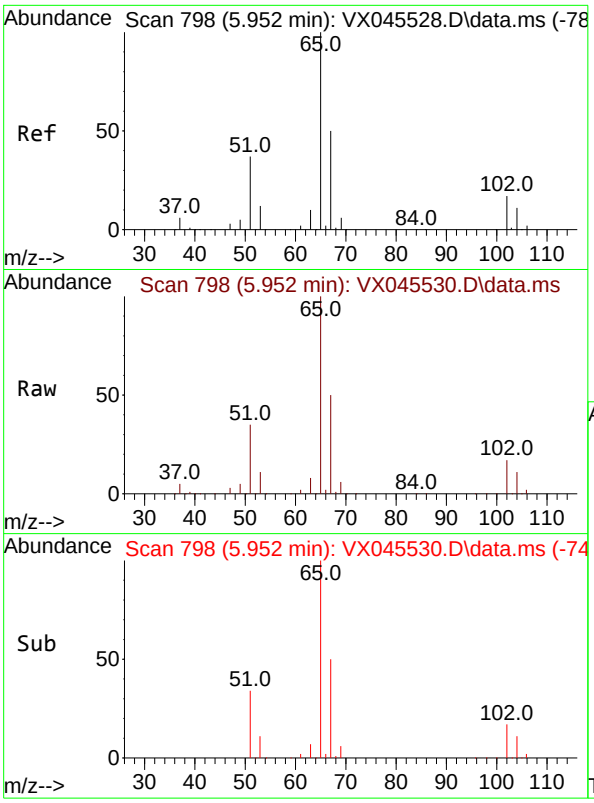


#32
1,1,1-Trichloroethane
Concen: 158.426 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 315136

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	49.1	41.0	61.4

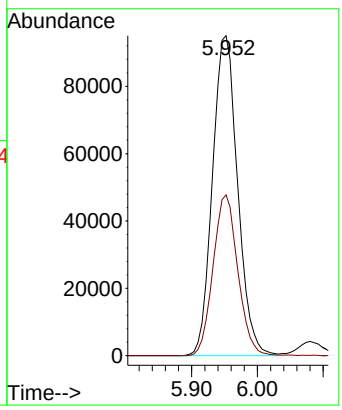




#33
1,2-Dichloroethane-d4
Concen: 153.661 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 65 Resp: 25299

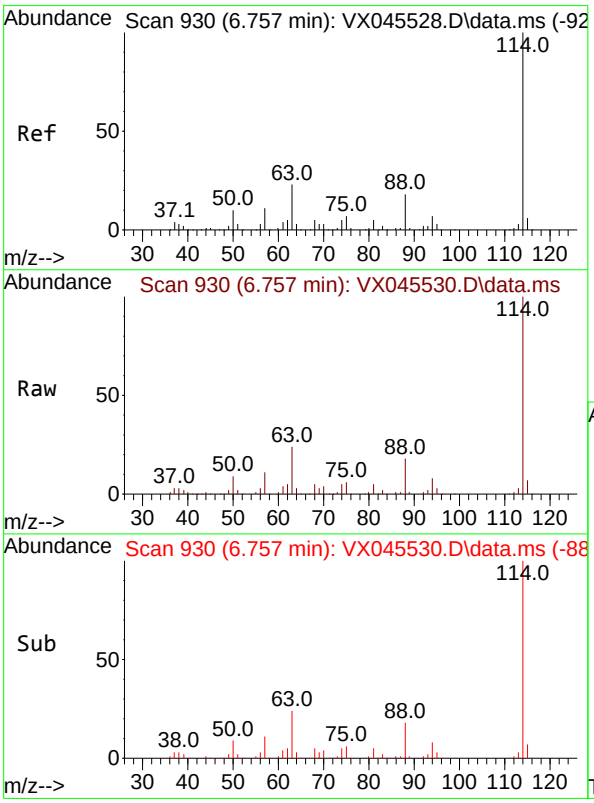
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

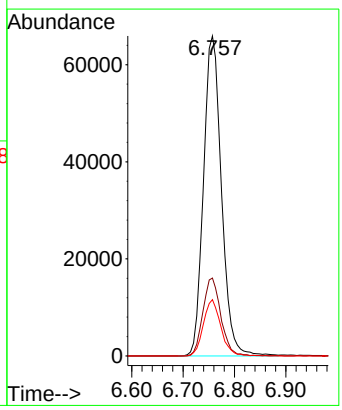
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

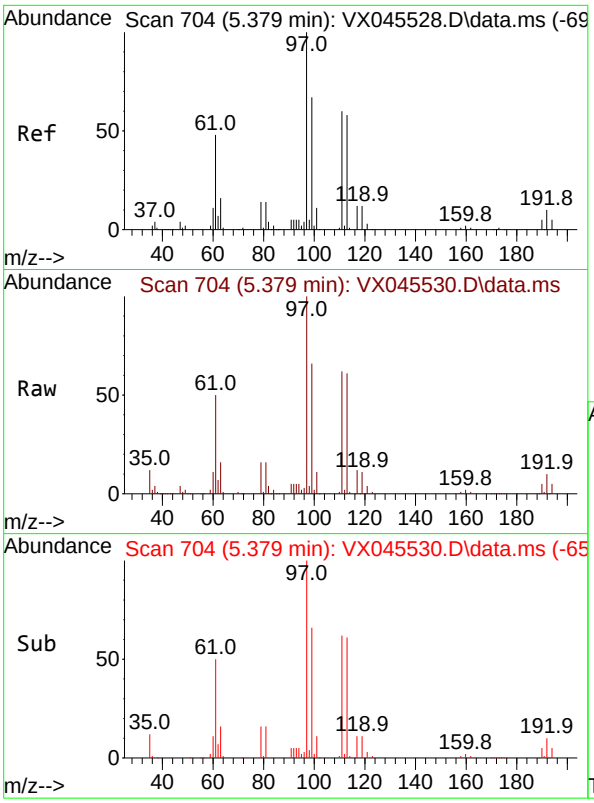


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:114 Resp: 160037

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	17.6	0.0	35.4

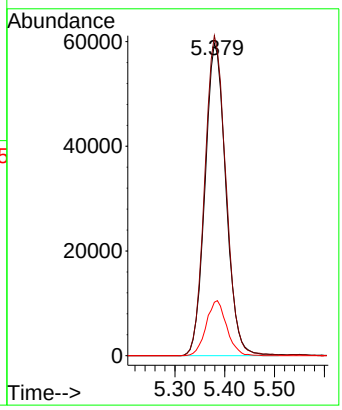




#35
Dibromofluoromethane
Concen: 152.887 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:113 Resp: 17359

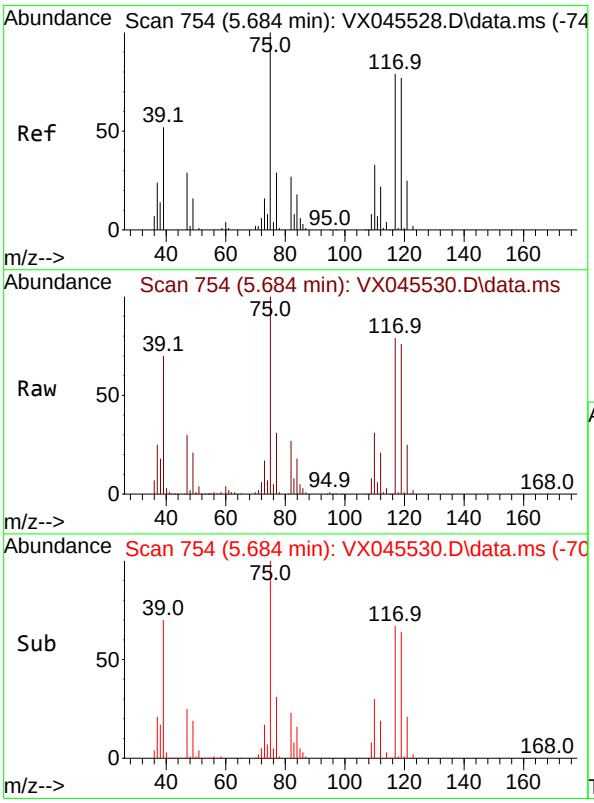
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	17.3	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

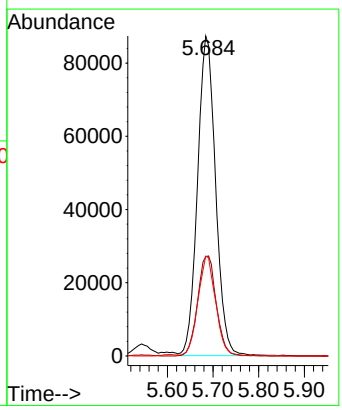
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

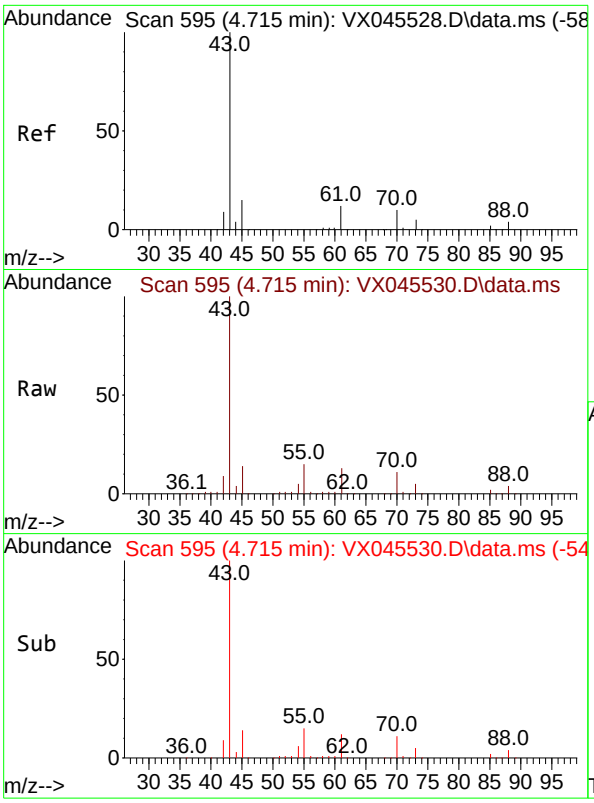


#36
1,1-Dichloropropene
Concen: 156.399 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 239776

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.9	50.6
77	30.6	25.0	37.4

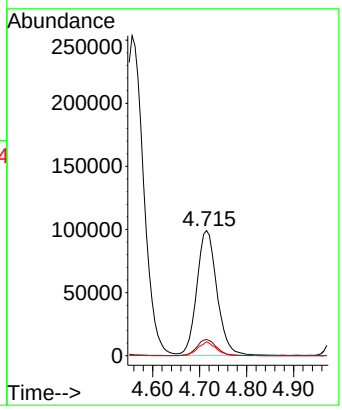




#37
Ethyl Acetate
Concen: 152.461 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 29455

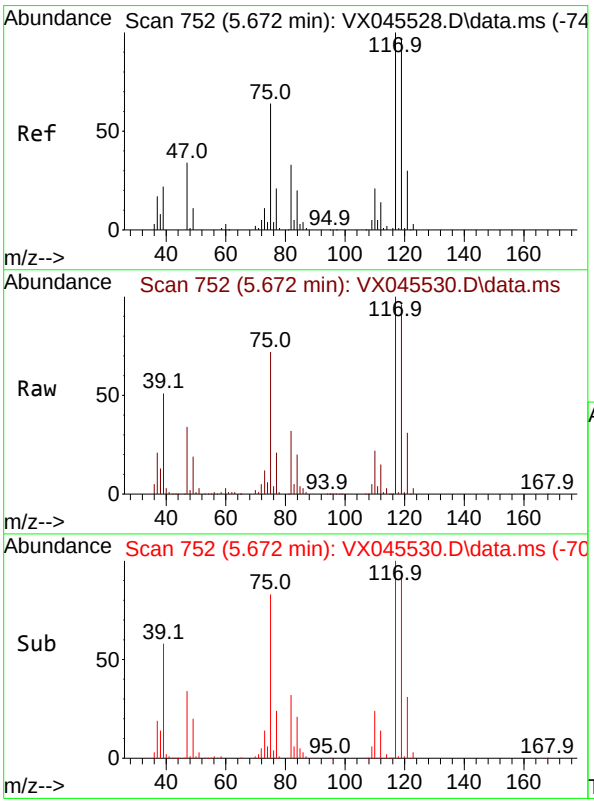
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.9	14.9
70	10.0	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

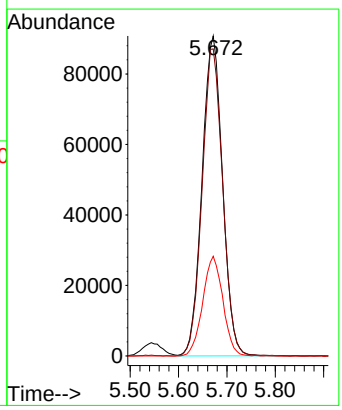
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

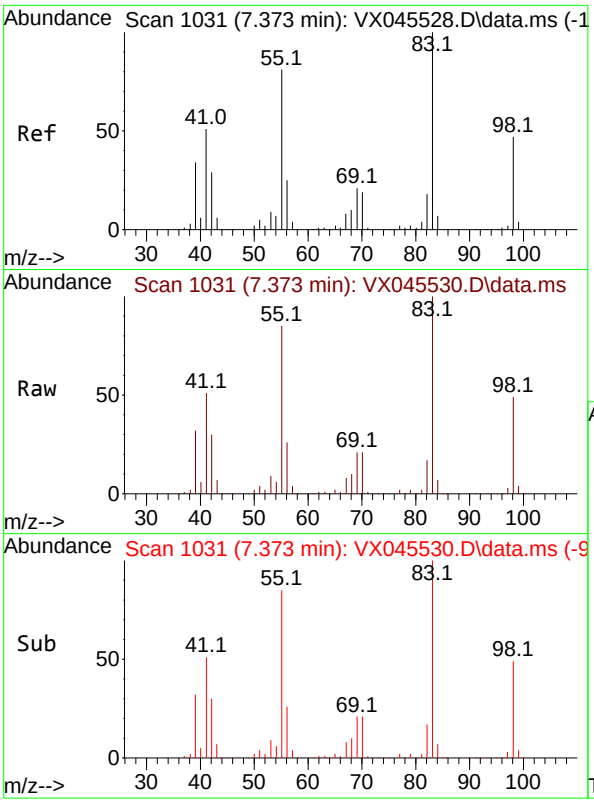


#38
Carbon Tetrachloride
Concen: 161.005 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 266770

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	31.2	24.2	36.2

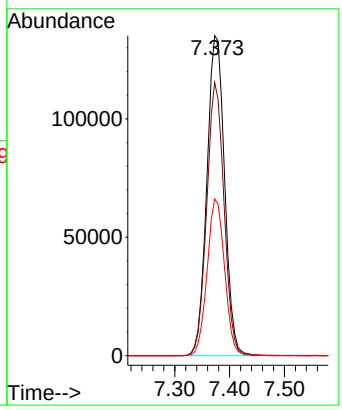




#39
Methylcyclohexane
Concen: 161.366 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 30325

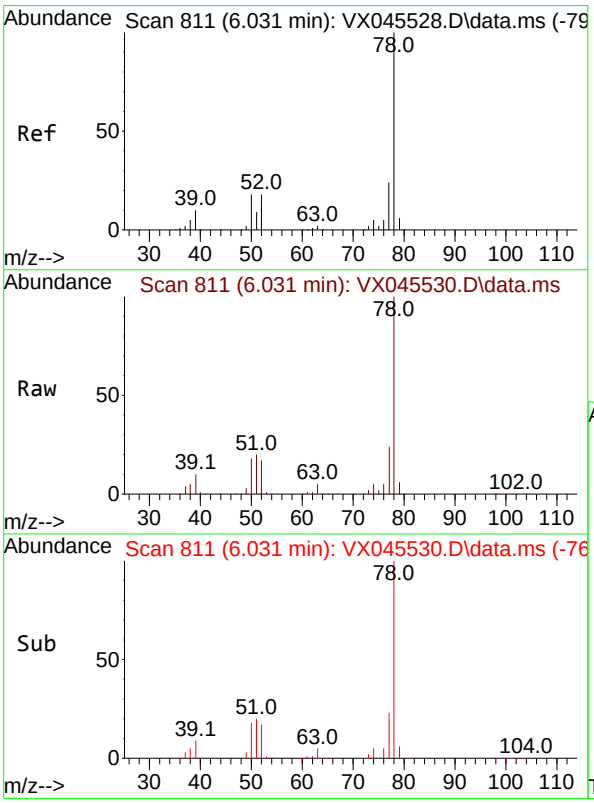
Ion	Ratio	Lower	Upper
83	100		
55	85.4	64.9	97.3
98	49.0	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

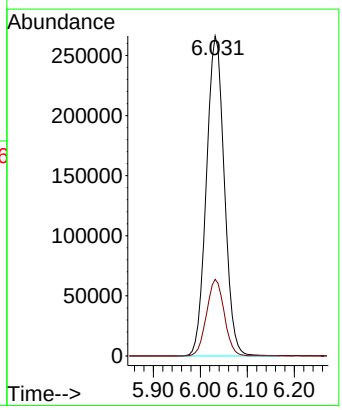
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

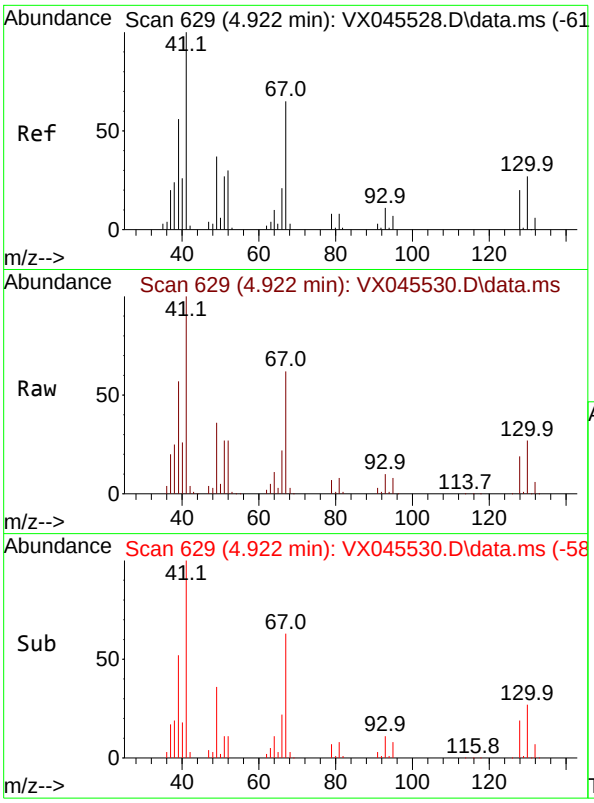


#40
Benzene
Concen: 150.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 78 Resp: 703311

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

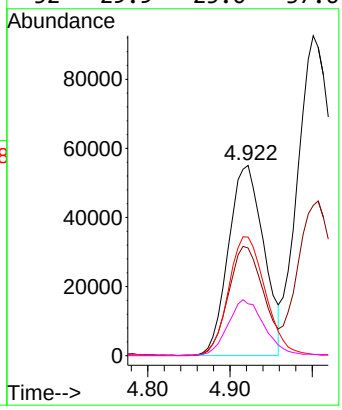




#41
Methacrylonitrile
Concen: 160.155 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 16469

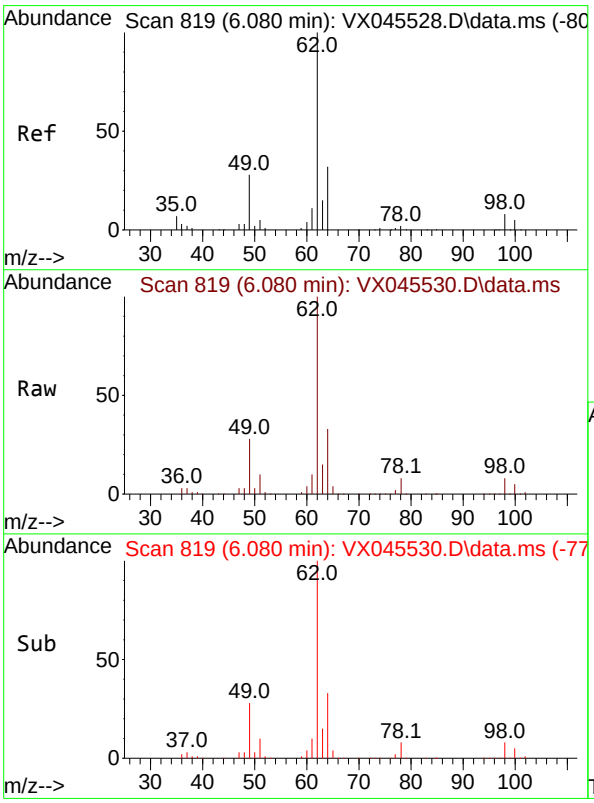
Ion	Ratio	Lower	Upper
41	100		
39	57.4	47.0	70.6
67	65.5	53.2	79.8
52	29.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

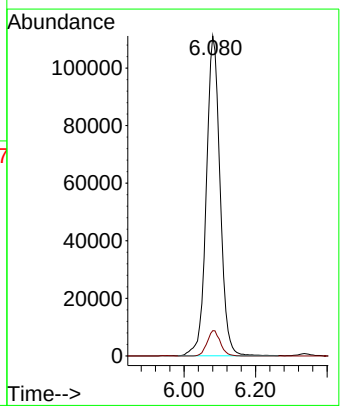
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

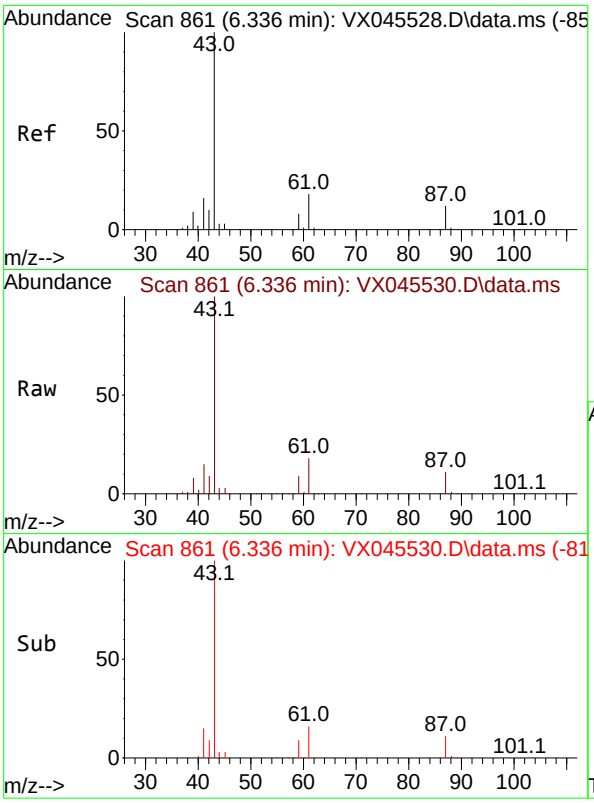


#42
1,2-Dichloroethane
Concen: 153.146 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 296168

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

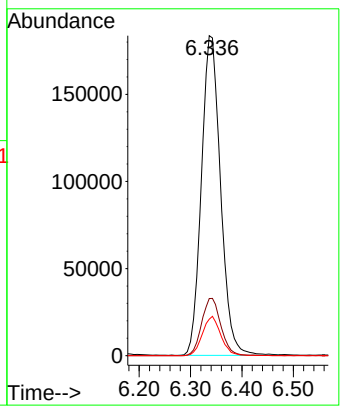




#43
Isopropyl Acetate
Concen: 162.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 47582

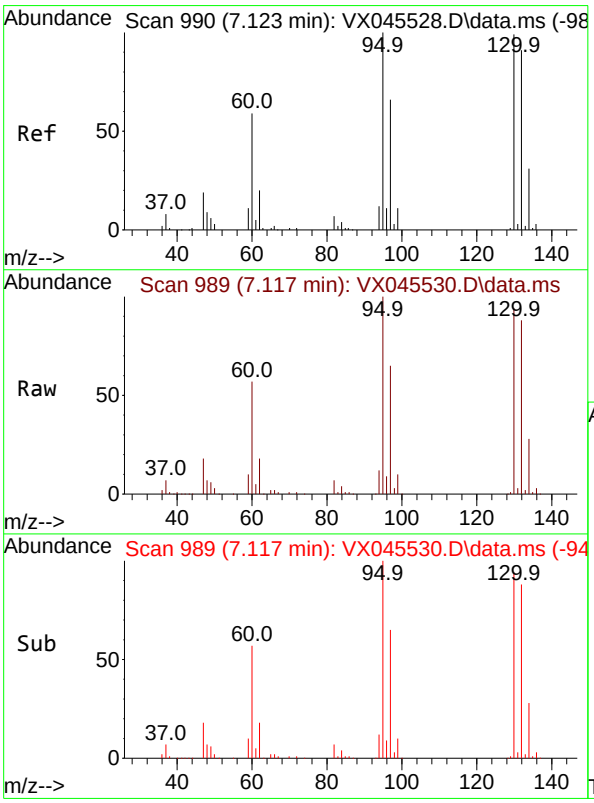
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	11.8	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

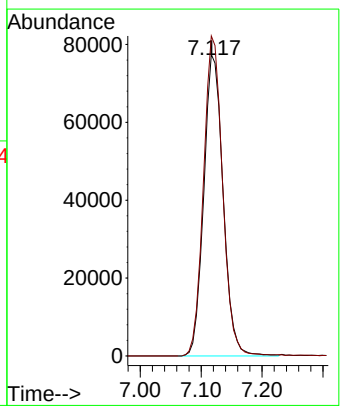
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

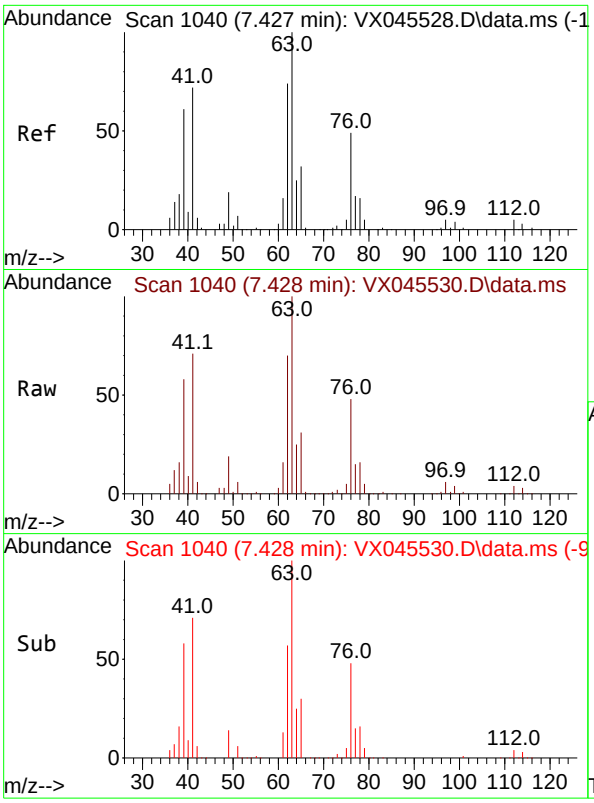


#44
Trichloroethene
Concen: 153.599 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:130 Resp: 170940

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0

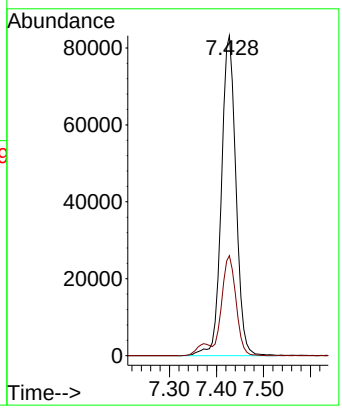




#45
1,2-Dichloropropane
Concen: 153.610 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 17945

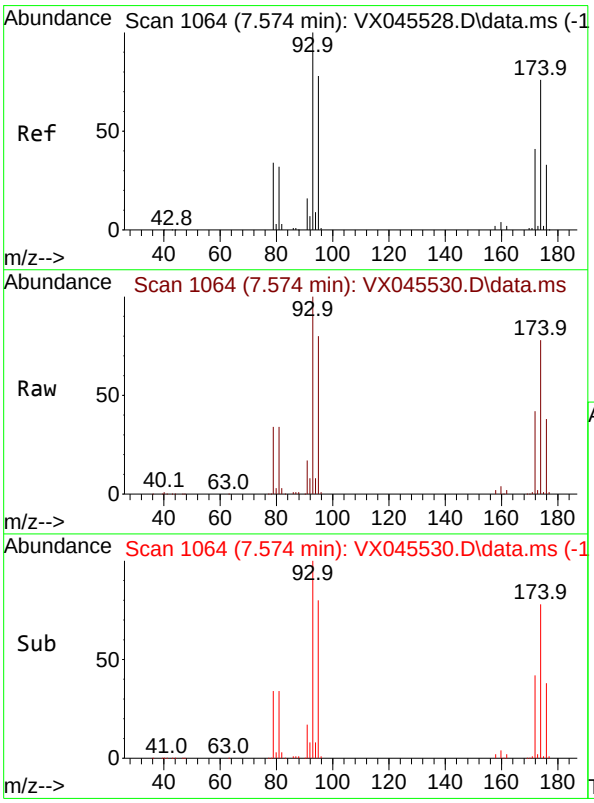
Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

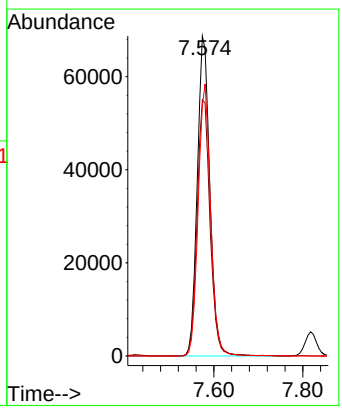
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

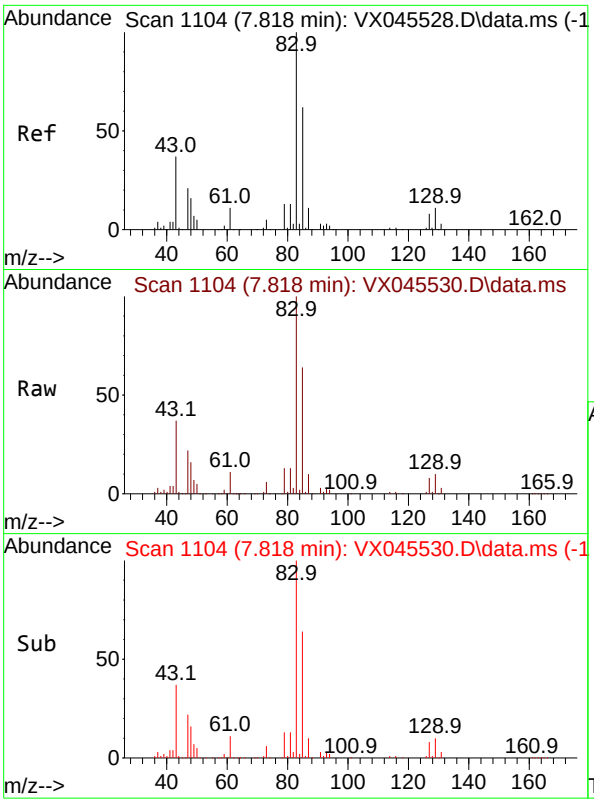


#46
Dibromomethane
Concen: 150.996 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 93 Resp: 135415

Ion	Ratio	Lower	Upper
93	100		
95	82.4	64.8	97.2
174	84.1	65.4	98.0

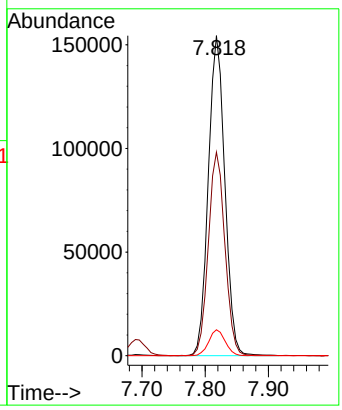




#47
Bromodichloromethane
Concen: 156.272 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 27988

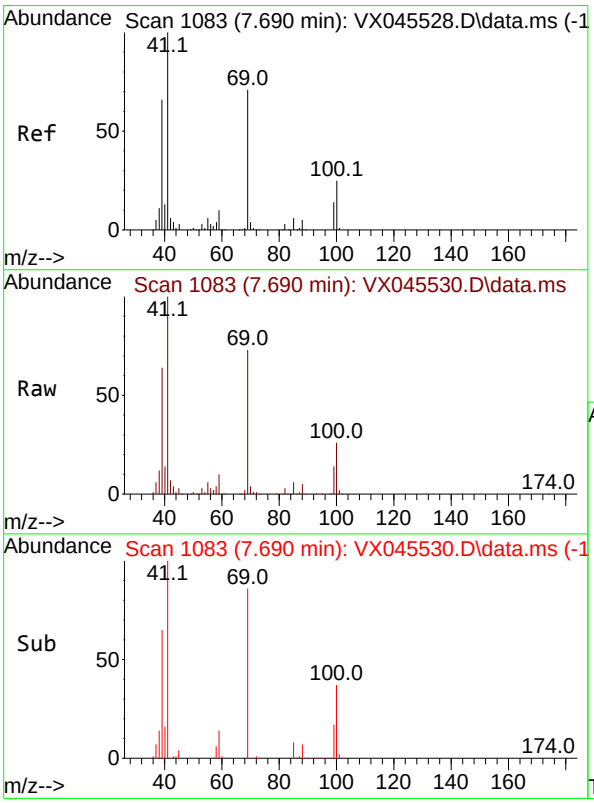
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

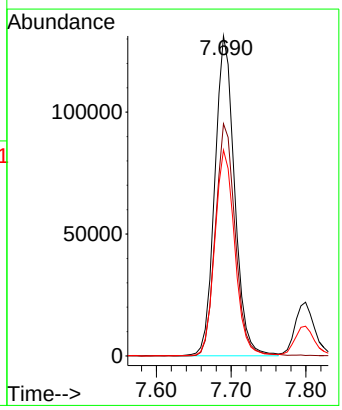
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

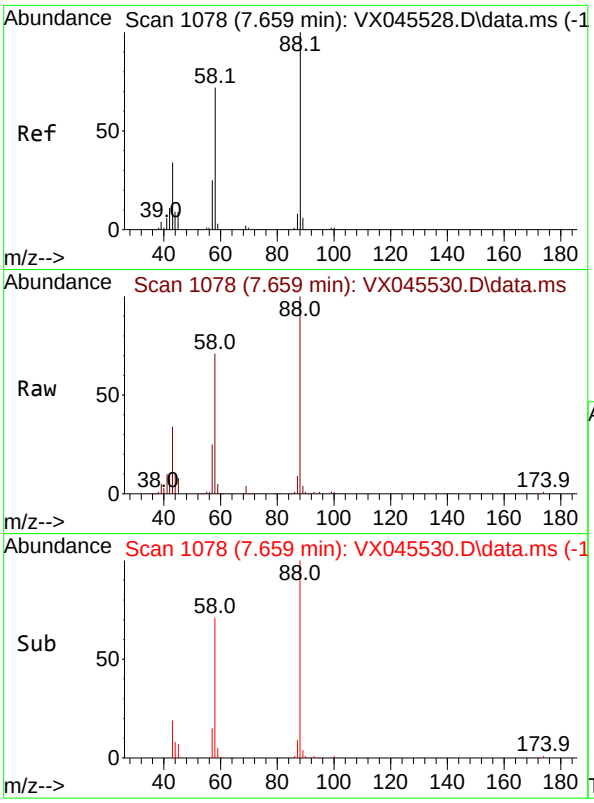


#48
Methyl methacrylate
Concen: 159.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 240818

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.2	87.2
39	64.9	53.6	80.4





#49
1,4-Dioxane
Concen: 2739.196 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

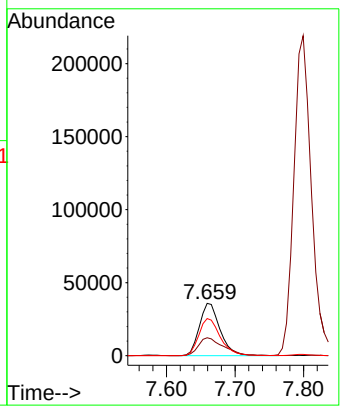
Tgt Ion: 88 Resp: 7492

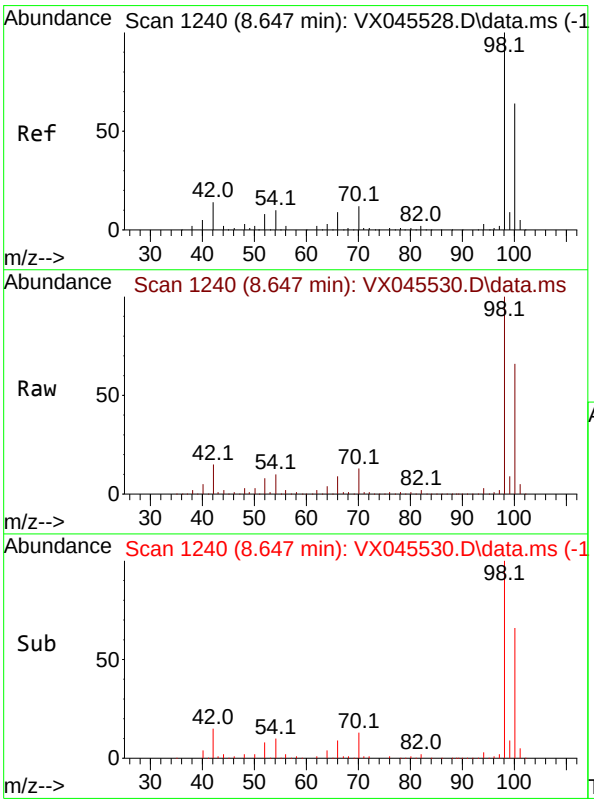
Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	74.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

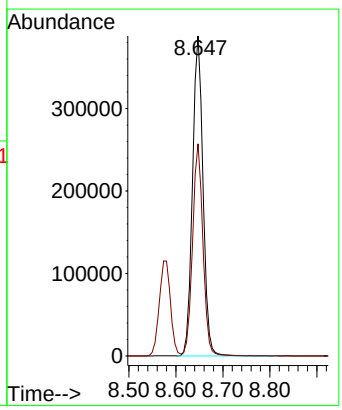


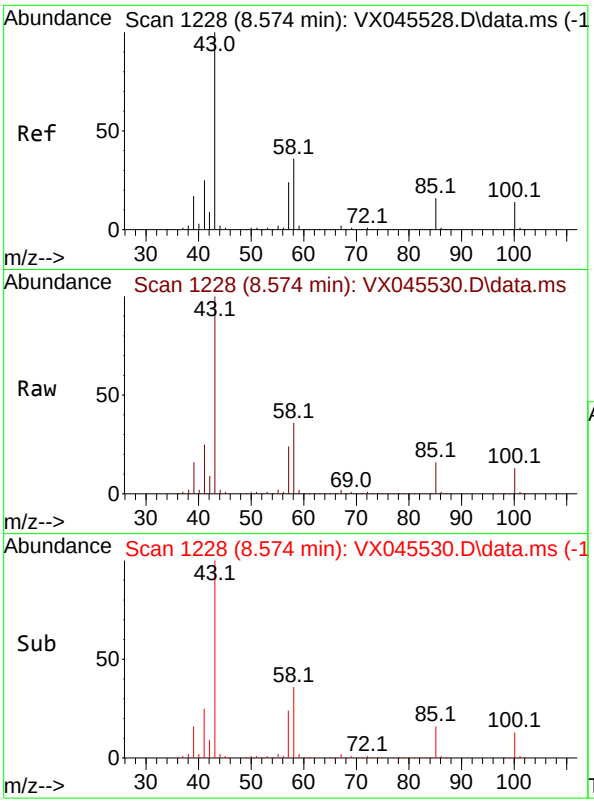


#50
Toluene-d8
Concen: 152.216 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 98 Resp: 603264

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

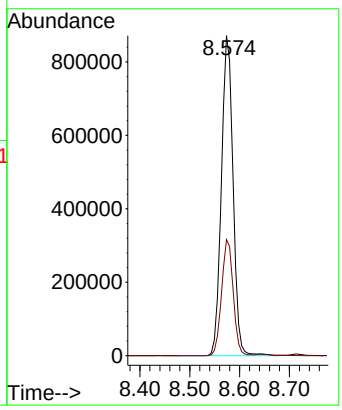




#51
4-Methyl-2-Pentanone
Concen: 728.817 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 141477

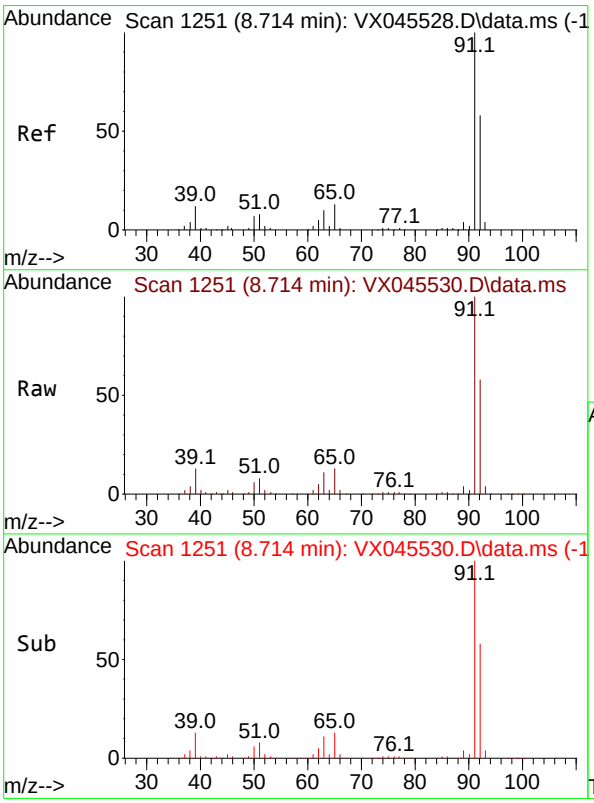
Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

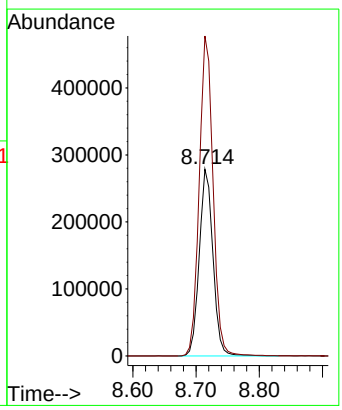
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

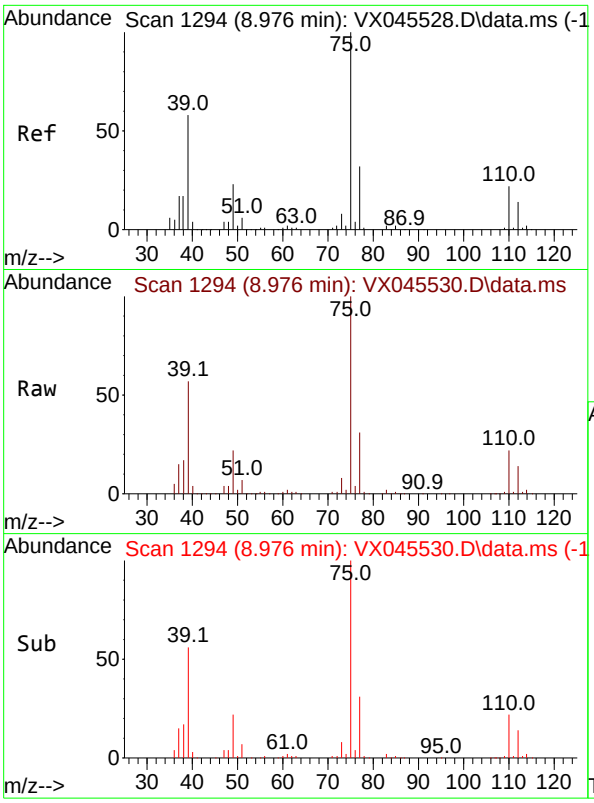


#52
Toluene
Concen: 148.245 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 92 Resp: 420015

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.7	208.1

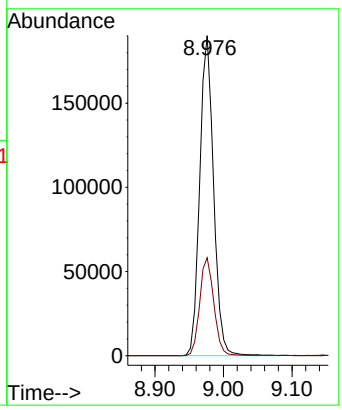




#53
t-1,3-Dichloropropene
Concen: 150.589 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 26767

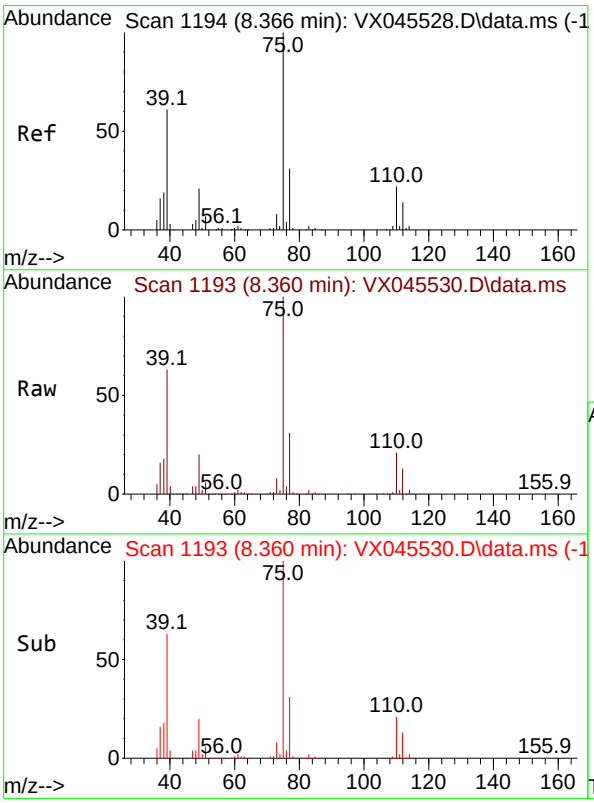
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

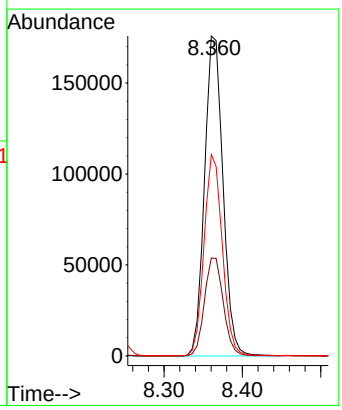
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

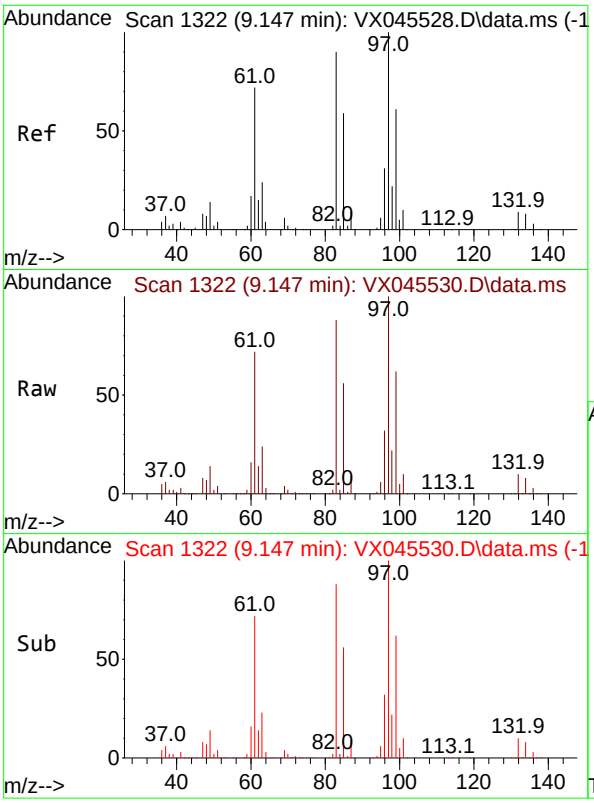


#54
cis-1,3-Dichloropropene
Concen: 171.104 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 287973

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	62.9	48.4	72.6

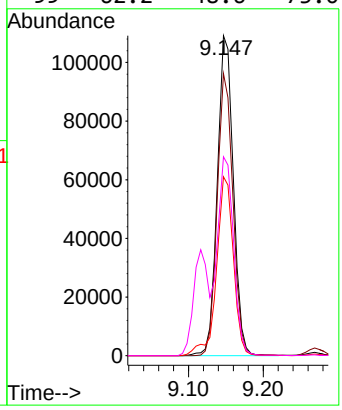




#55
1,1,2-Trichloroethane
Concen: 144.752 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 16342

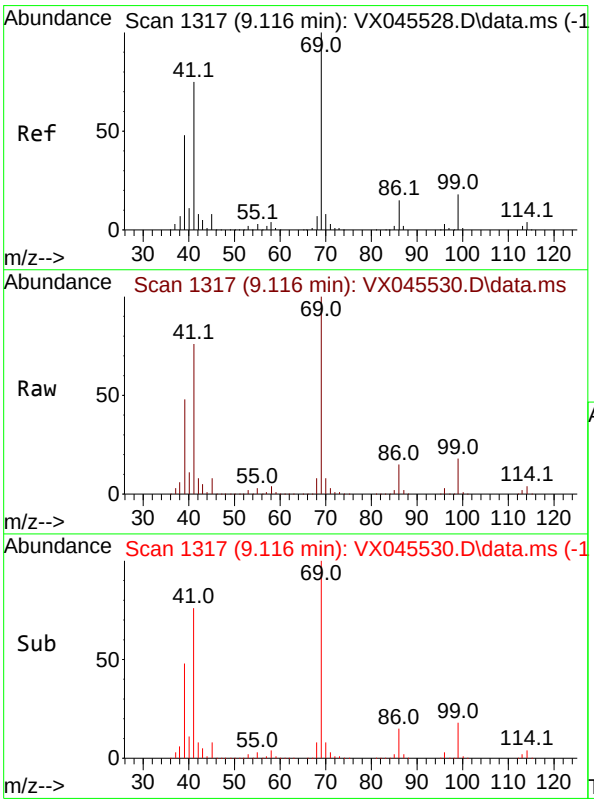
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.9	47.0	70.6
99	62.2	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

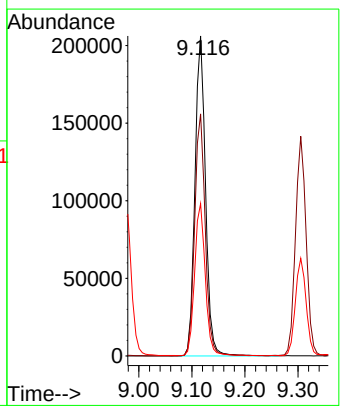
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

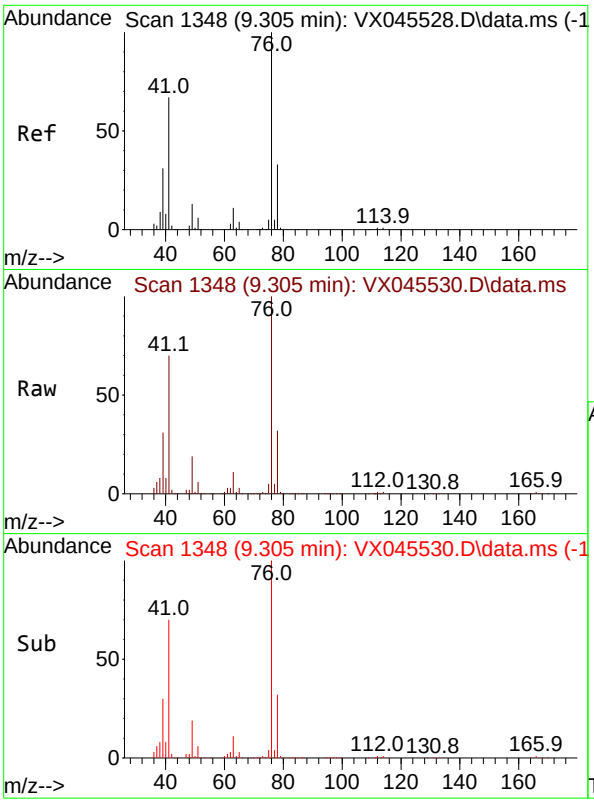


#56
Ethyl methacrylate
Concen: 163.624 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 69 Resp: 285895

Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.3	91.9
39	48.0	40.2	60.2

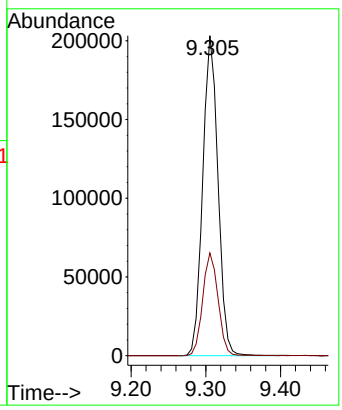




#57
1,3-Dichloropropane
Concen: 146.708 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 28843

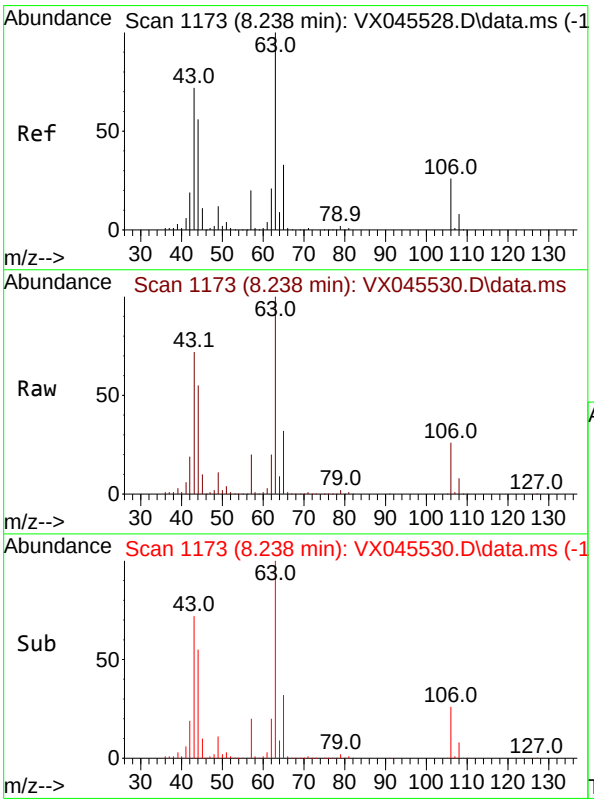
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

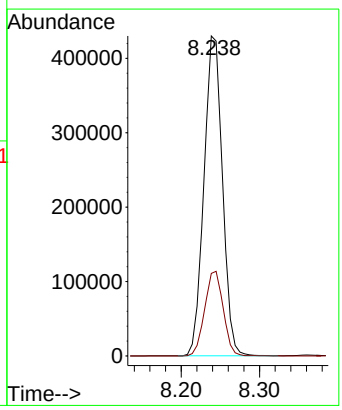
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

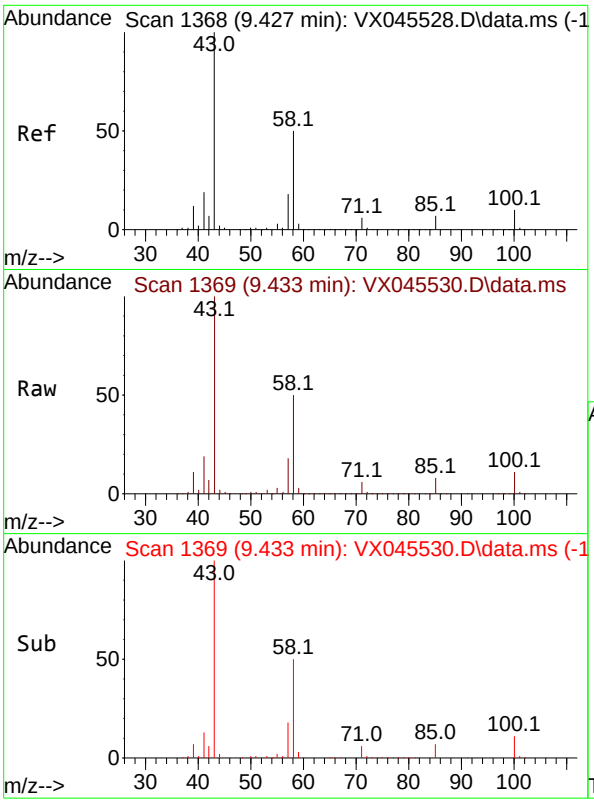


#58
2-Chloroethyl Vinyl ether
Concen: 796.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 703881

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6





#59
2-Hexanone
Concen: 733.198 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

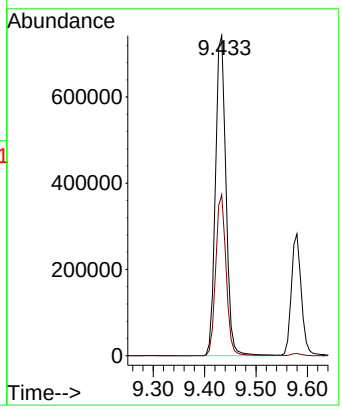
Tgt Ion: 43 Resp: 105397

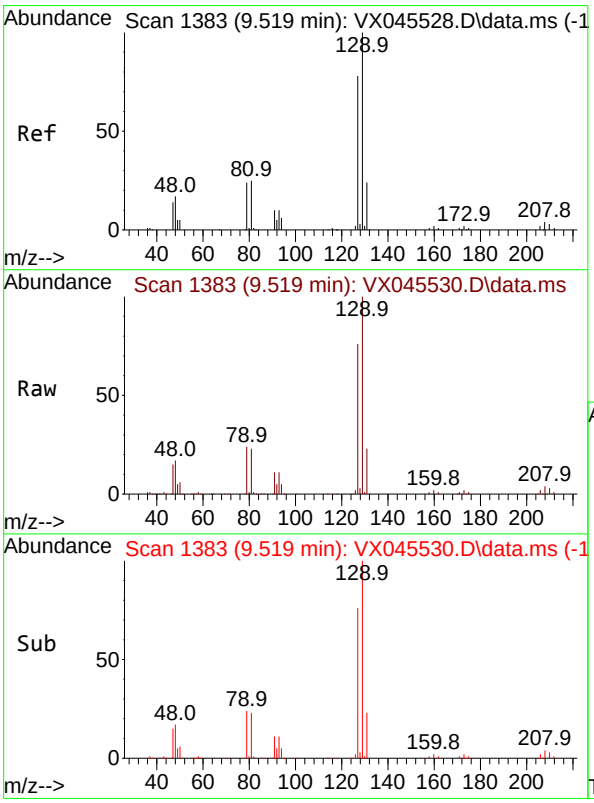
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

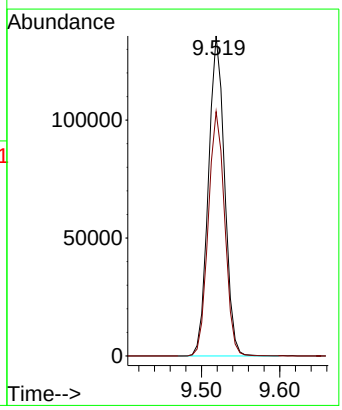


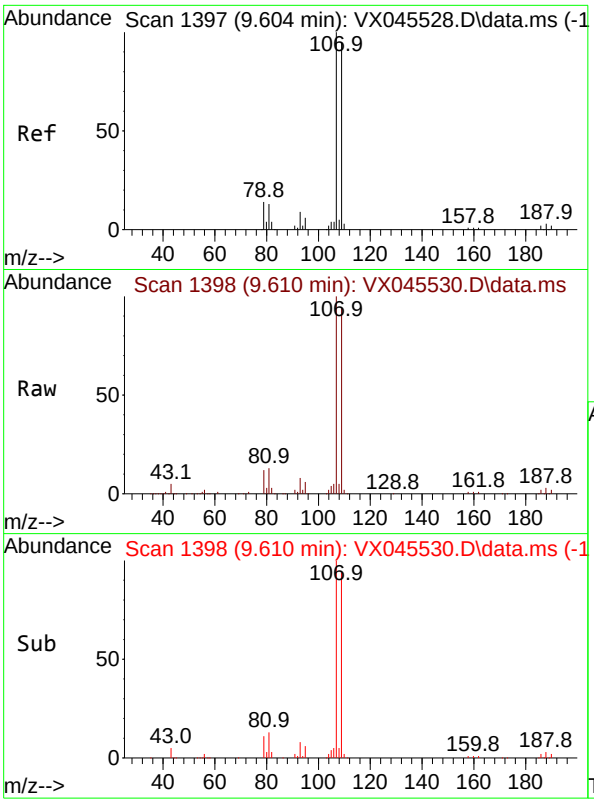


#60
Dibromochloromethane
Concen: 157.895 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:129 Resp: 194342

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.4	118.2

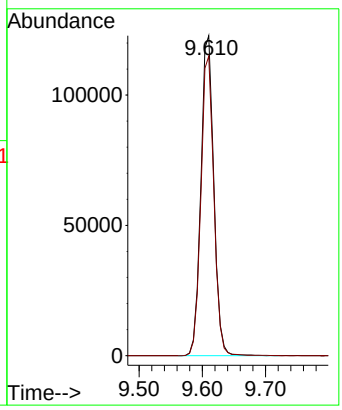




#61
1,2-Dibromoethane
Concen: 152.745 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:107 Resp: 17457

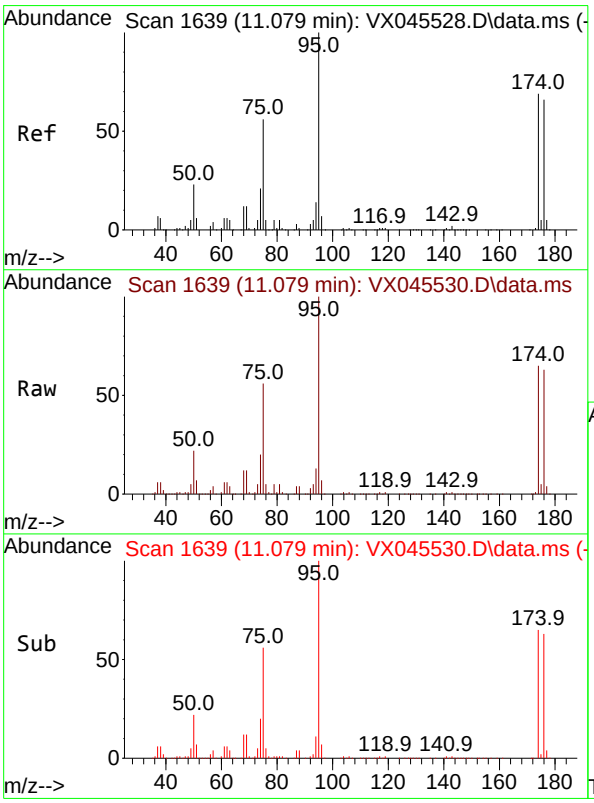
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

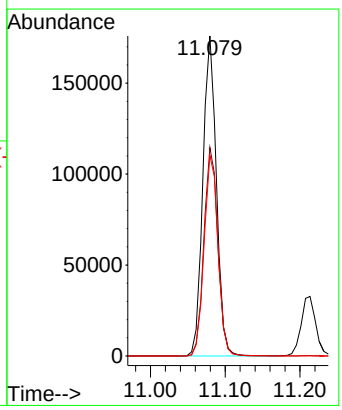
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

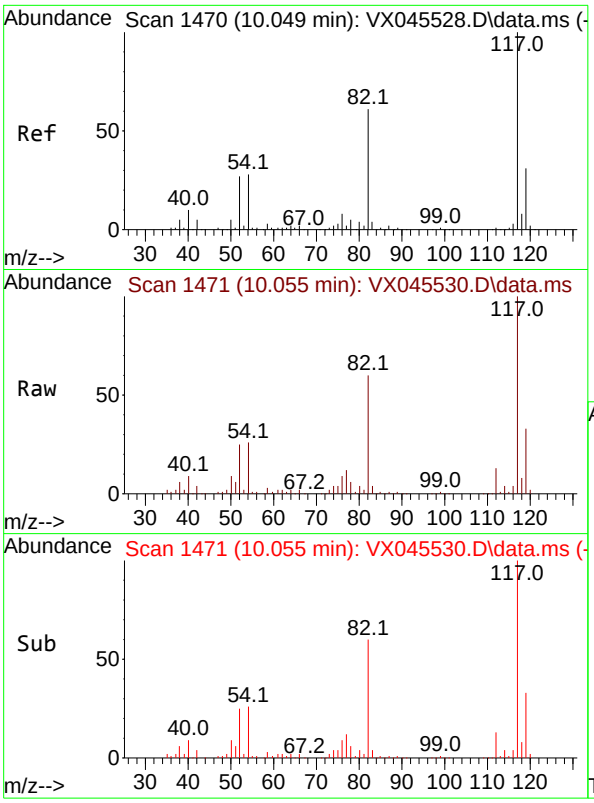


#62
4-Bromofluorobenzene
Concen: 153.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 95 Resp: 220921

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	64.3	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

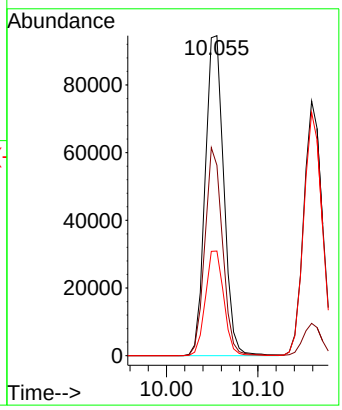
Tgt Ion:117 Resp: 13334

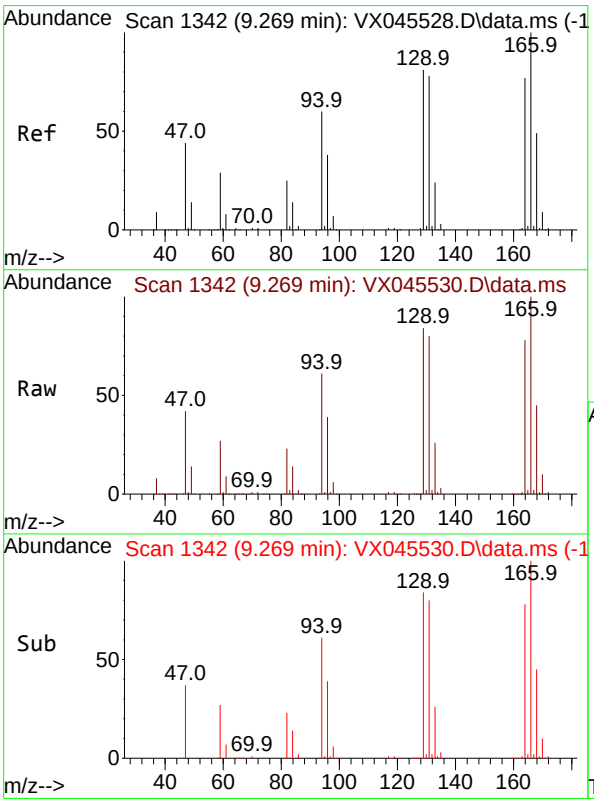
Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.7	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

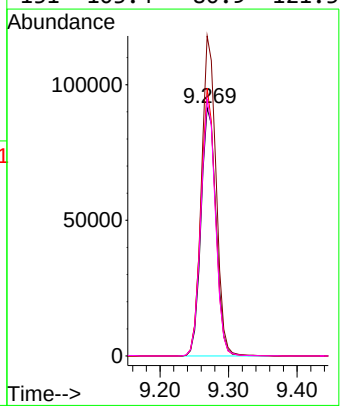


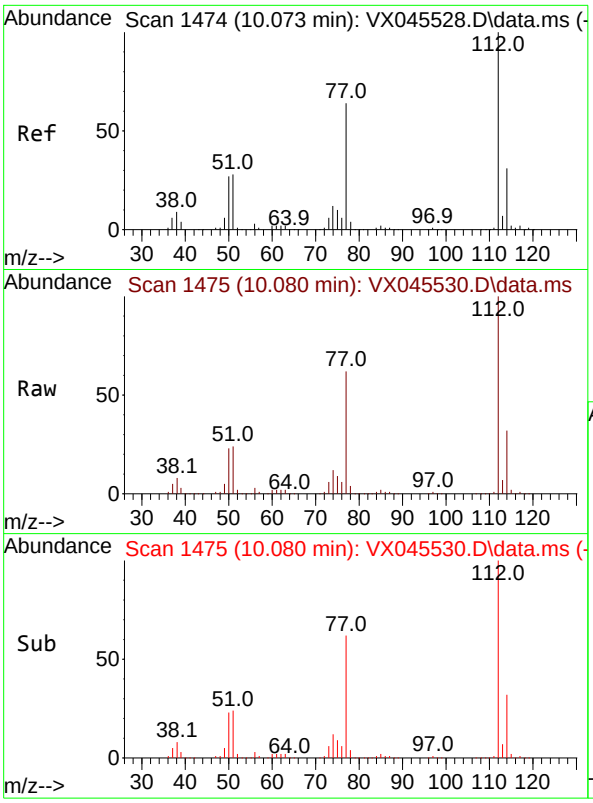


#64
Tetrachloroethene
Concen: 147.568 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:164 Resp: 138926

Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.8	155.8
129	107.9	84.3	126.5
131	103.4	80.9	121.3

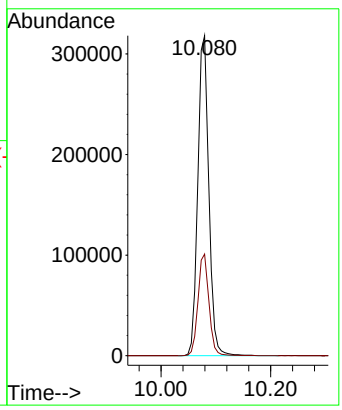




#65
Chlorobenzene
Concen: 156.049 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:112 Resp: 44463

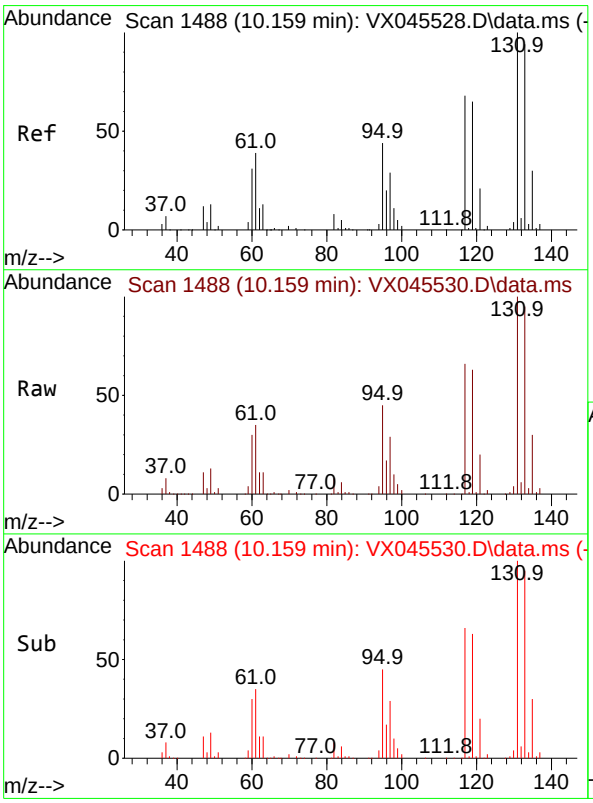
Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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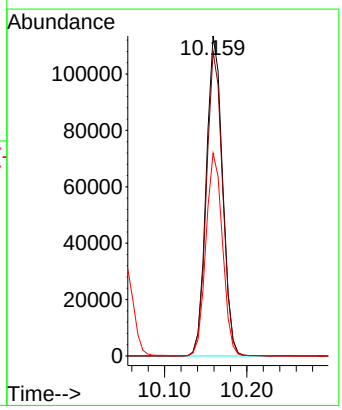
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

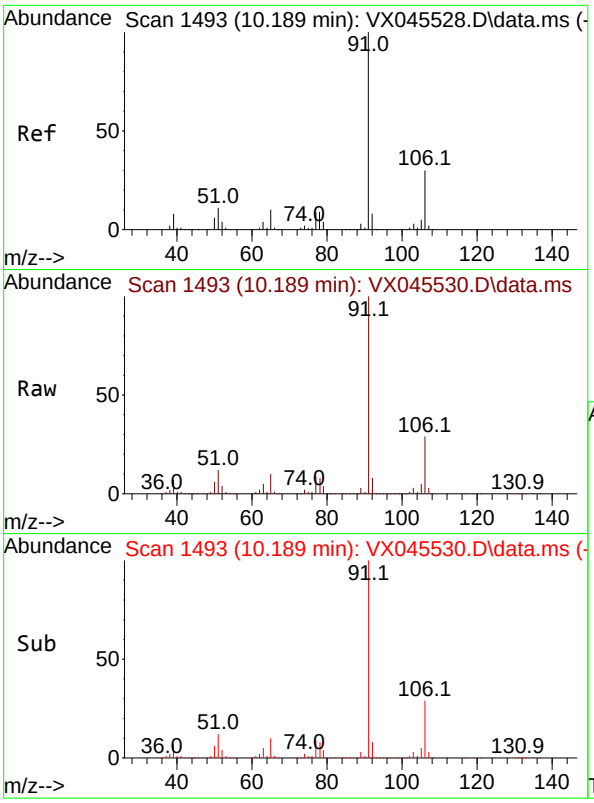


#66
1,1,1,2-Tetrachloroethane
Concen: 157.769 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:131 Resp: 156069

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.5	142.5
119	64.4	32.9	98.6

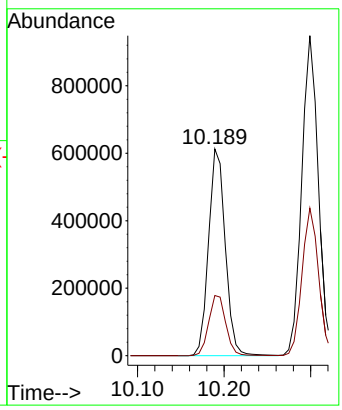




#67
Ethyl Benzene
Concen: 160.907 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 82113

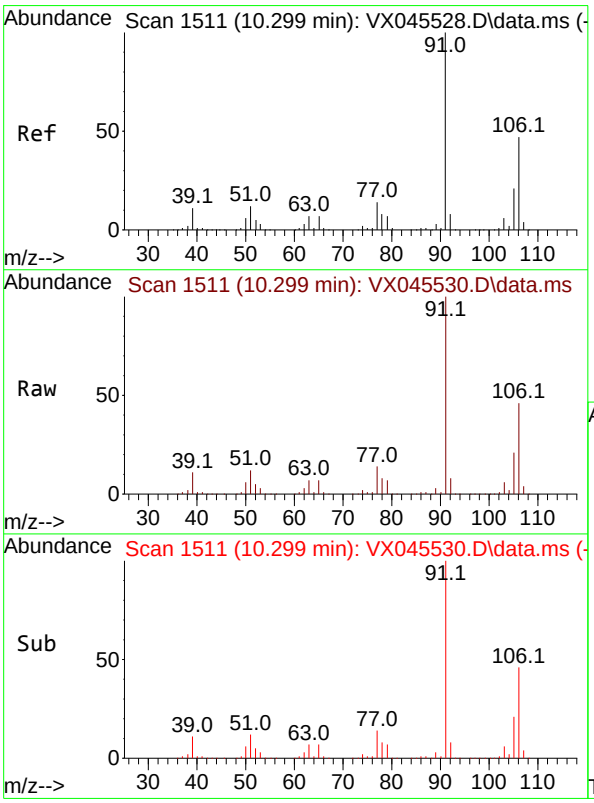
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

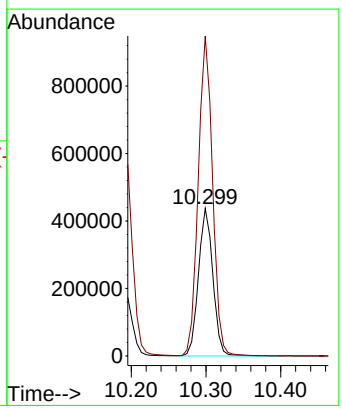
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

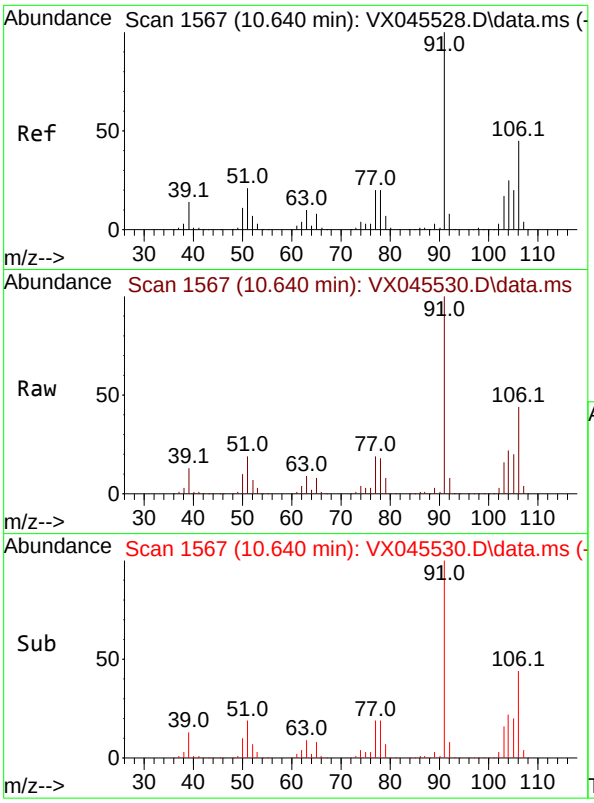


#68
m/p-Xylenes
Concen: 314.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 583228

Ion	Ratio	Lower	Upper
106	100		
91	216.7	172.6	258.8

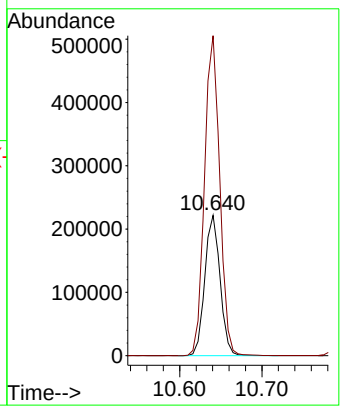




#69
o-Xylene
Concen: 156.241 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 28567

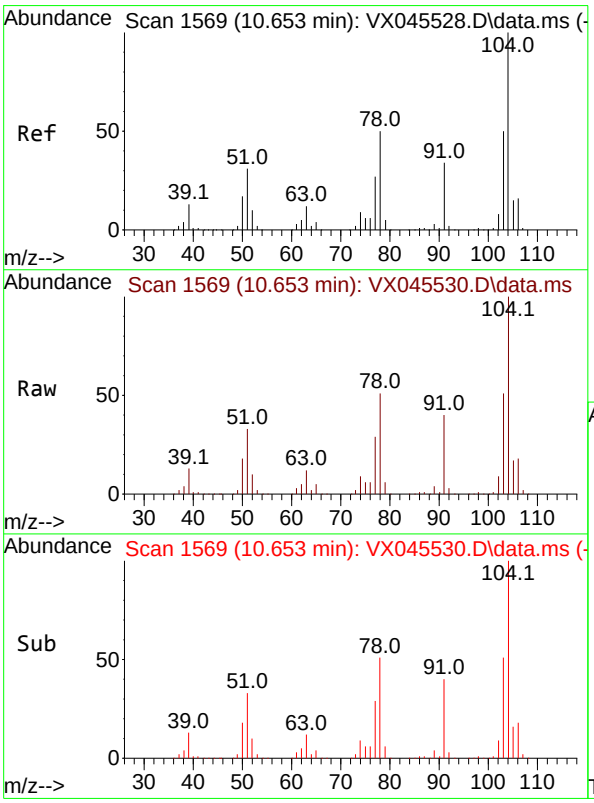
Ion	Ratio	Lower	Upper
106	100		
91	227.6	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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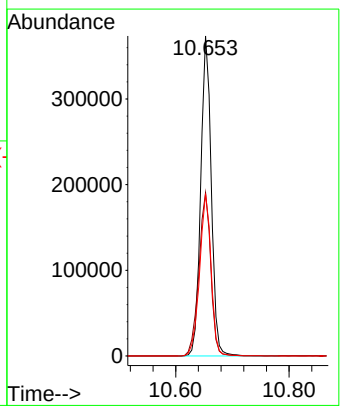
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

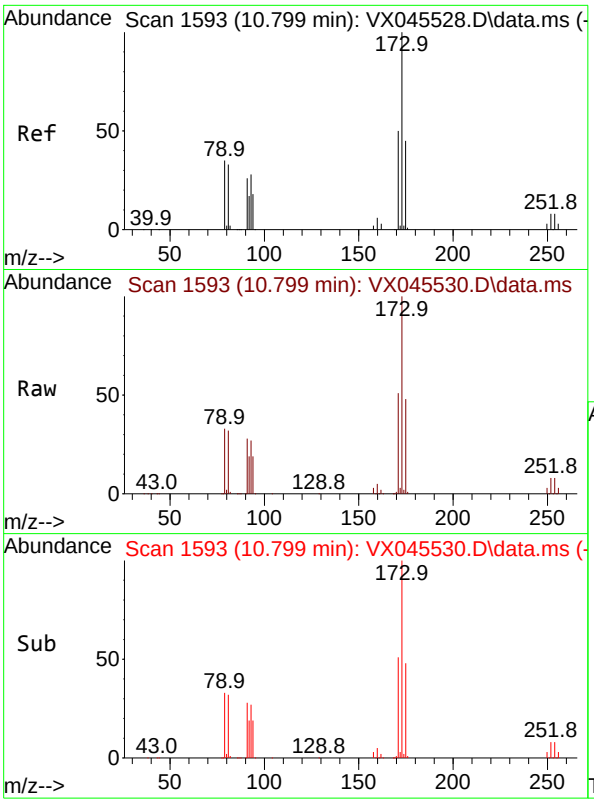


#70
Styrene
Concen: 159.299 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:104 Resp: 480722

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.4	68.2
103	55.4	43.8	65.8

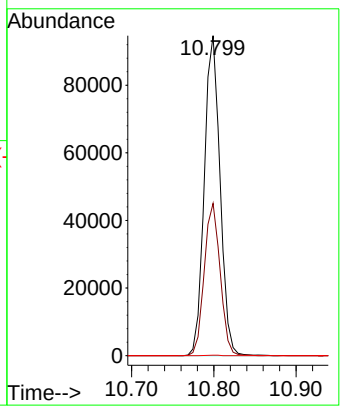




#71
Bromoform
Concen: 170.743 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:173 Resp: 12611

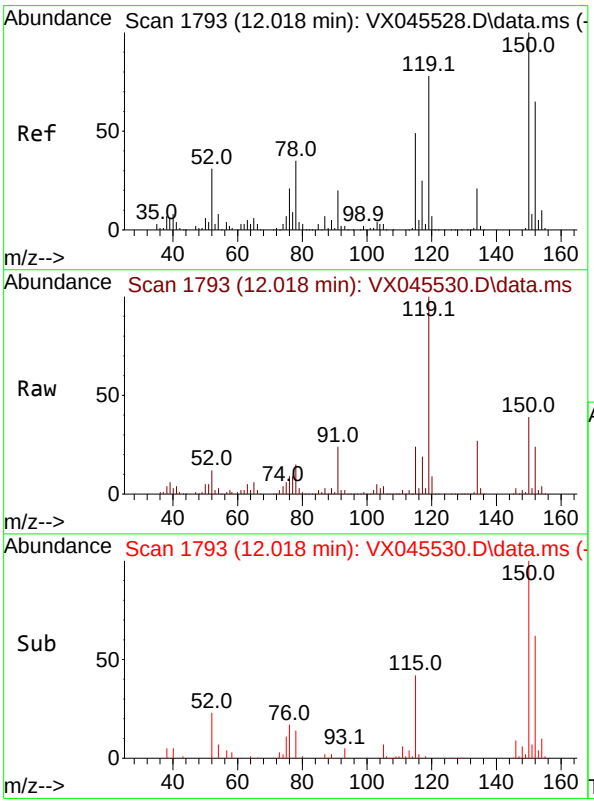
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

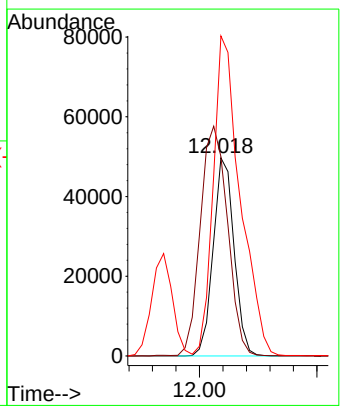
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

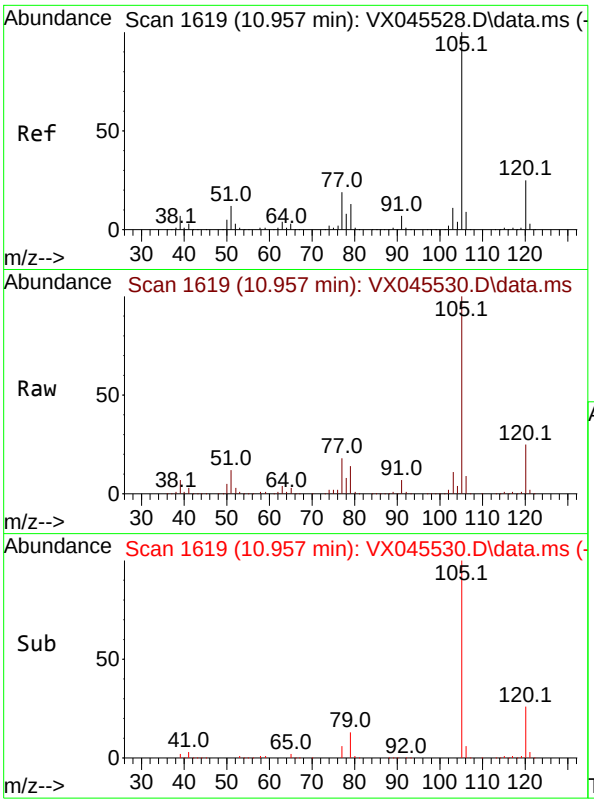


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:152 Resp: 61380

Ion	Ratio	Lower	Upper
152	100		
115	151.4	46.9	140.7#
150	208.6	0.0	349.4





#73
Isopropylbenzene
Concen: 155.475 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

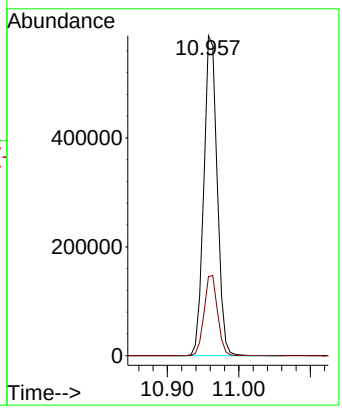
Tgt Ion:105 Resp: 76440

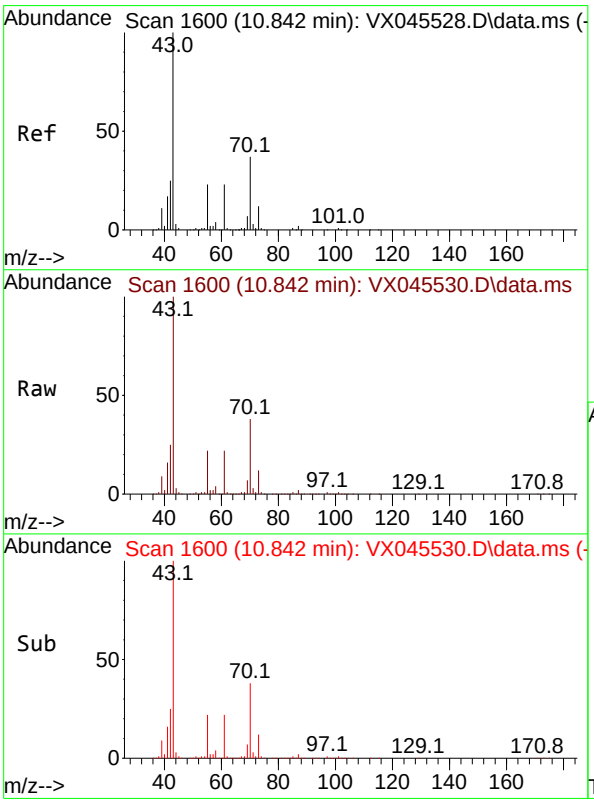
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

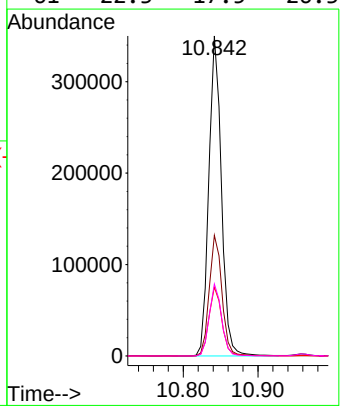


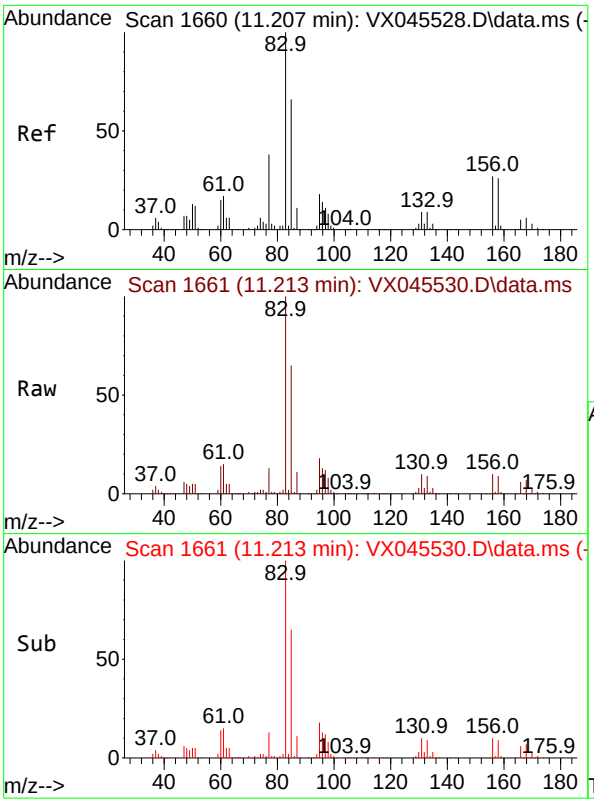


#74
N-amyl acetate
Concen: 173.877 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 408934

Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.1	45.1
55	22.0	18.3	27.5
61	22.3	17.5	26.3

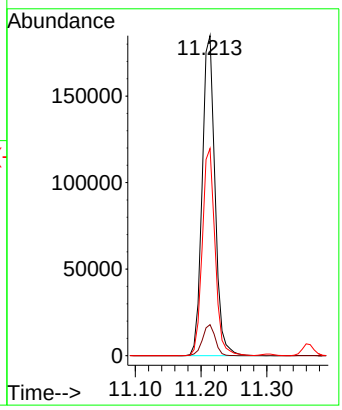




#75
1,1,2,2-Tetrachloroethane
Concen: 144.737 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 24998

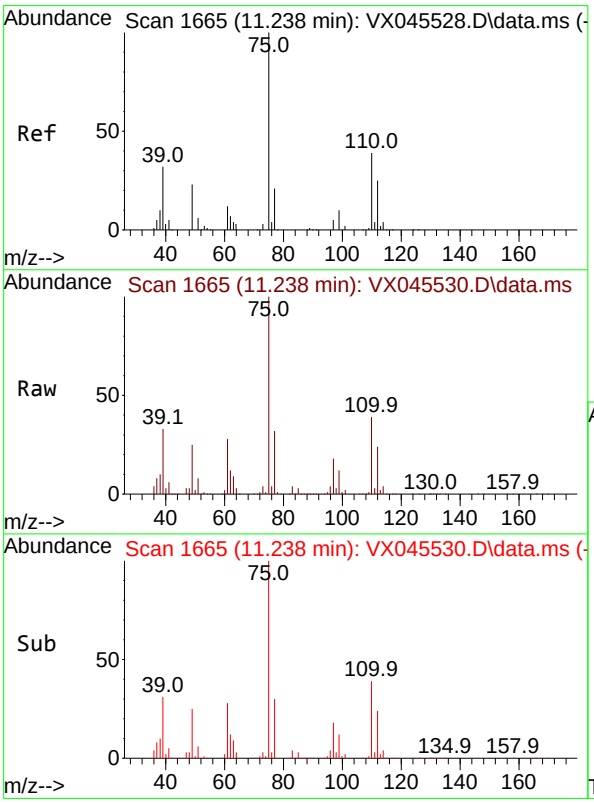
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.8	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

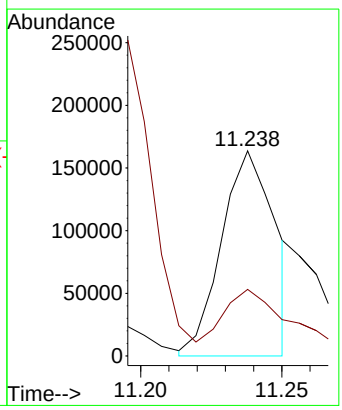
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

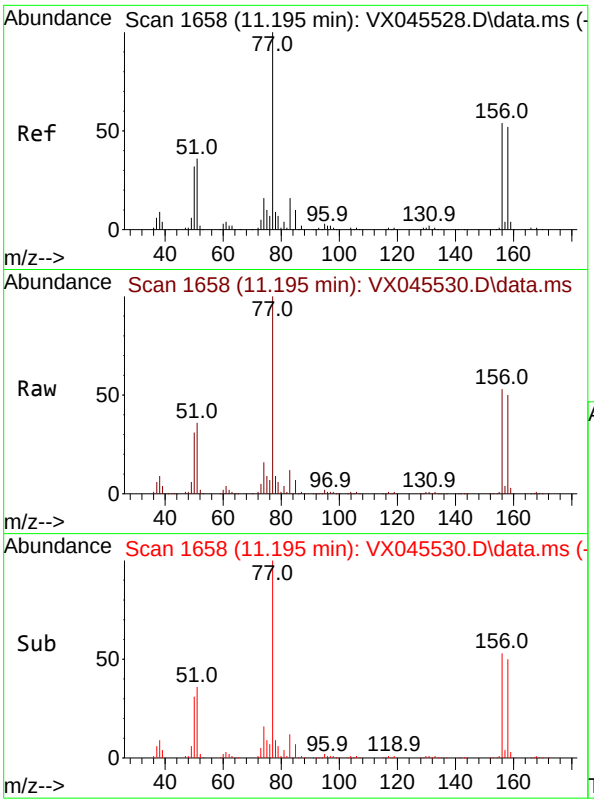


#76
1,2,3-Trichloropropane
Concen: 144.064 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 215694

Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.0	59.9





#77
Bromobenzene
Concen: 151.033 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

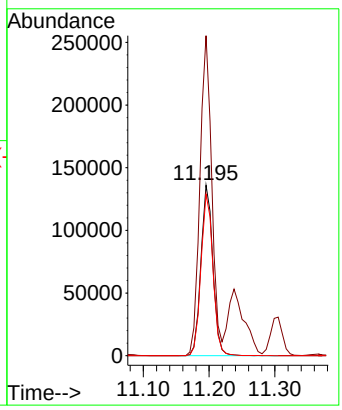
Tgt Ion:156 Resp: 17157

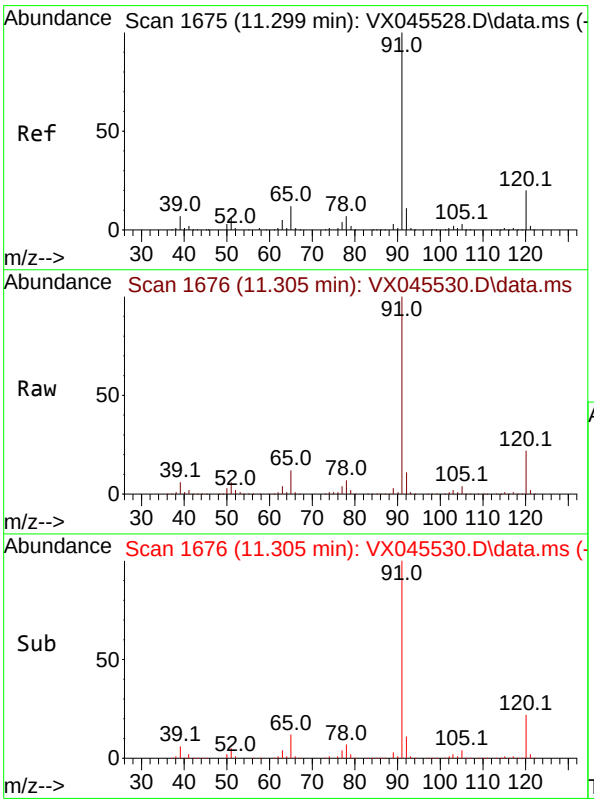
Ion	Ratio	Lower	Upper
156	100		
77	185.8	92.6	277.8
158	95.3	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

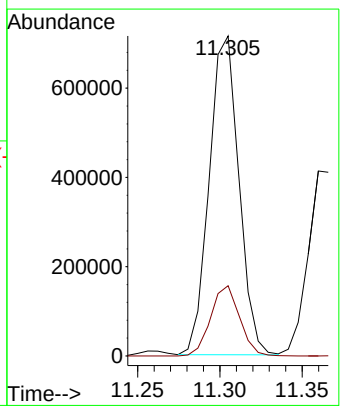


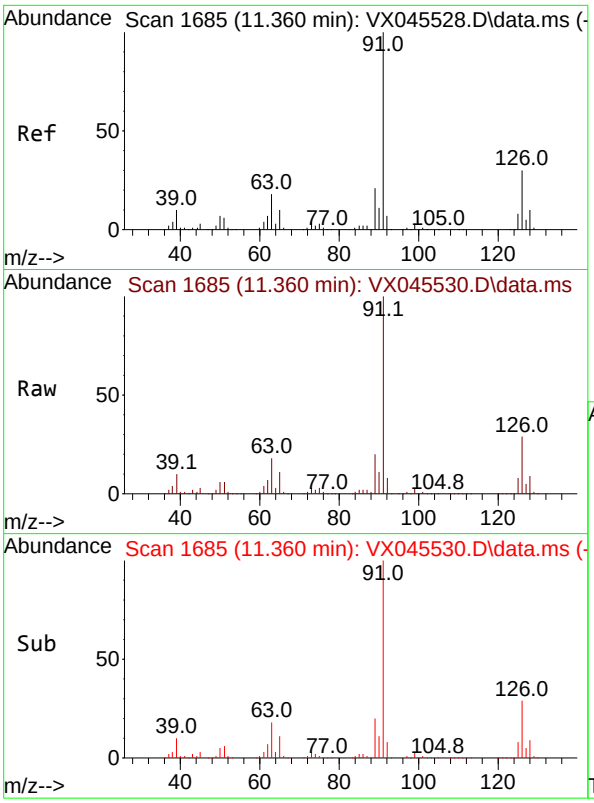


#78
n-propylbenzene
Concen: 158.408 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 897084

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 148.399 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

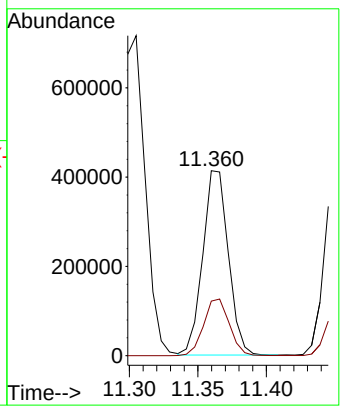
Tgt Ion: 91 Resp: 53726

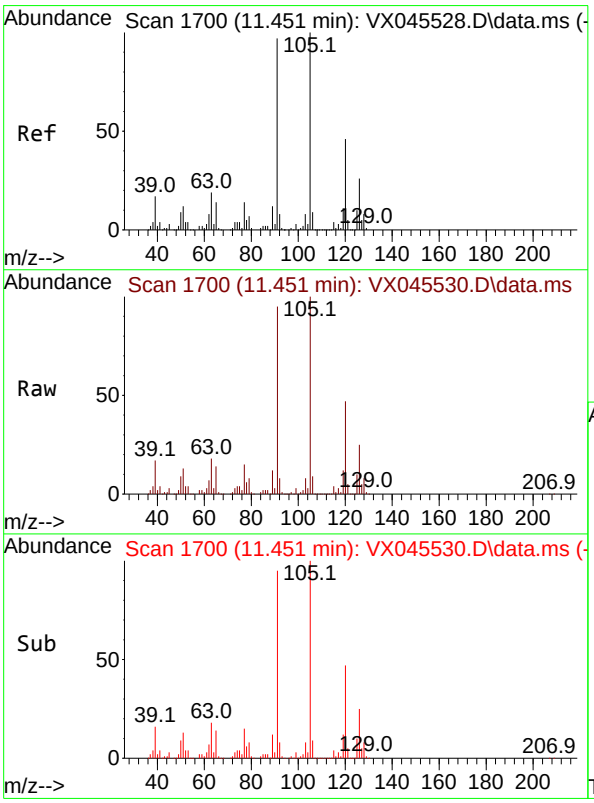
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

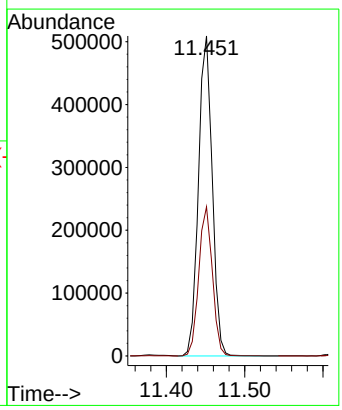


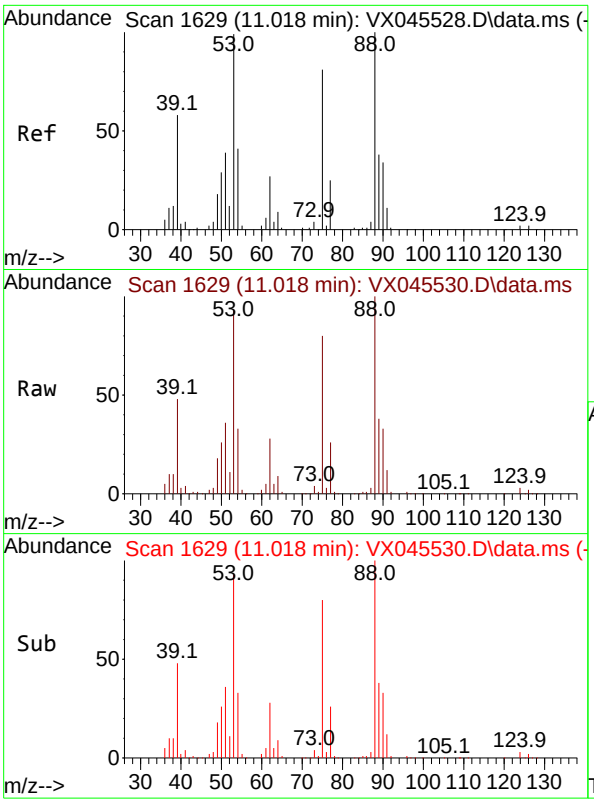


#80
1,3,5-Trimethylbenzene
Concen: 152.700 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 620819

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0

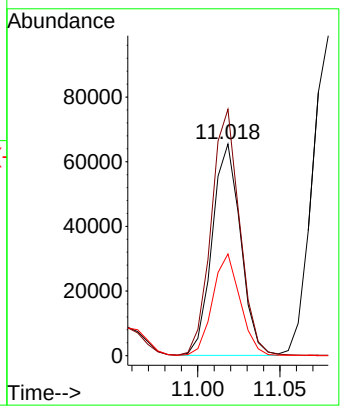




#81
trans-1,4-Dichloro-2-butene
Concen: 178.636 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 7880

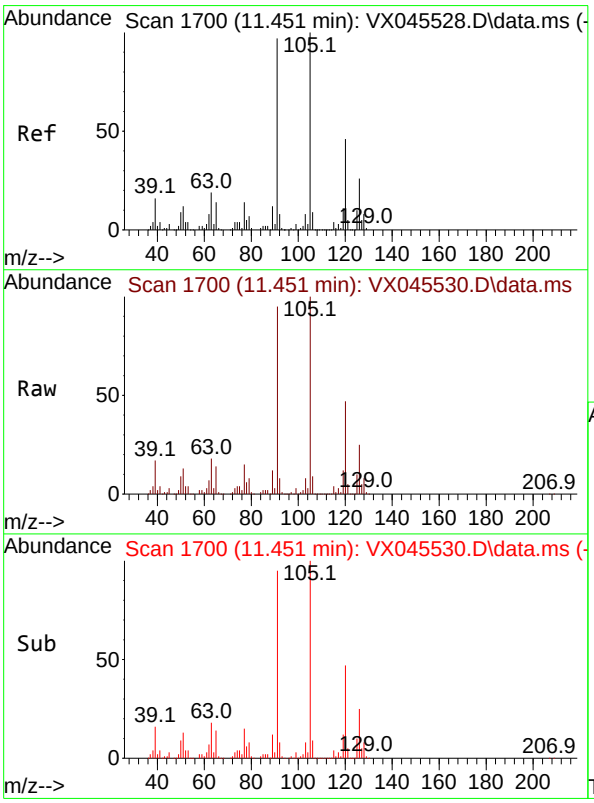
Ion	Ratio	Lower	Upper
75	100		
53	116.0	101.8	152.6
89	46.8	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

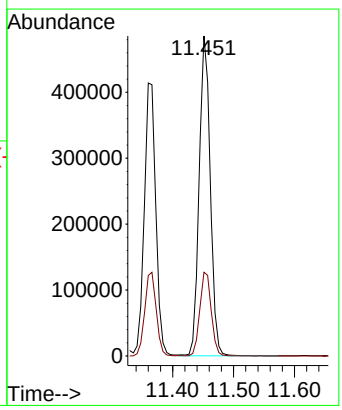
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

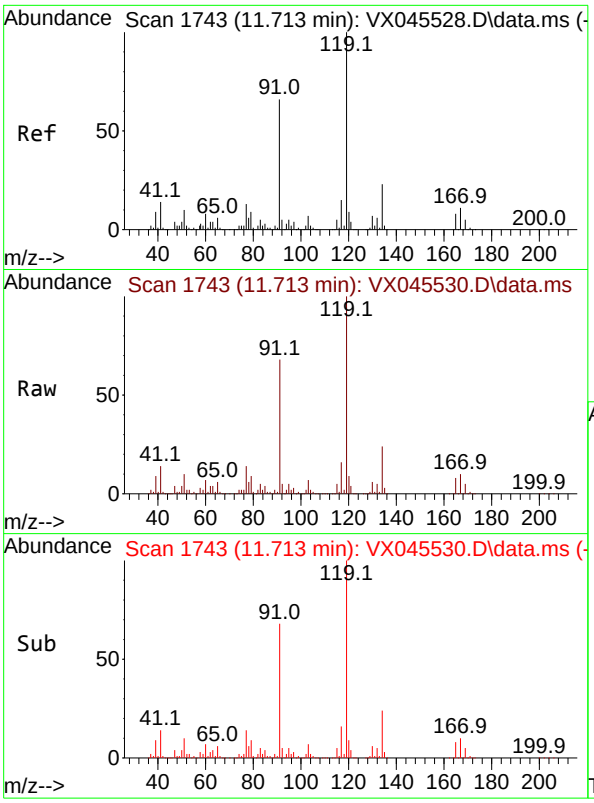


#82
4-Chlorotoluene
Concen: 152.505 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 615594

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

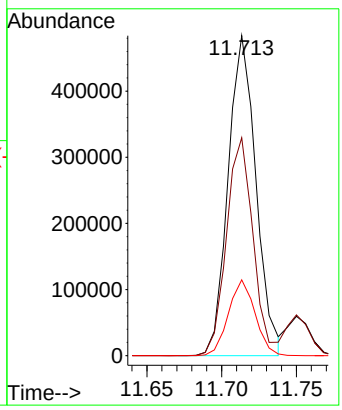




#83
tert-Butylbenzene
Concen: 155.783 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 62703

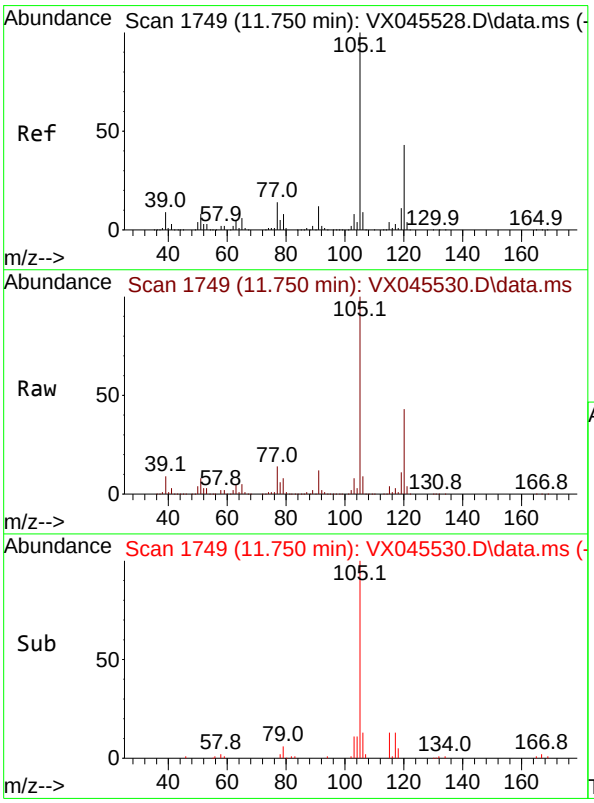
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.4	97.2
134	22.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

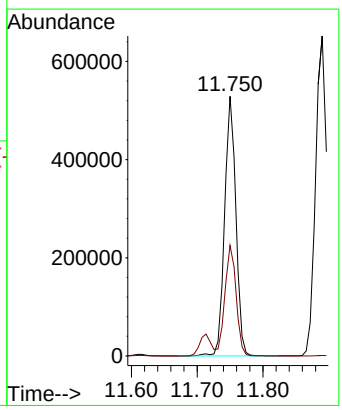
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

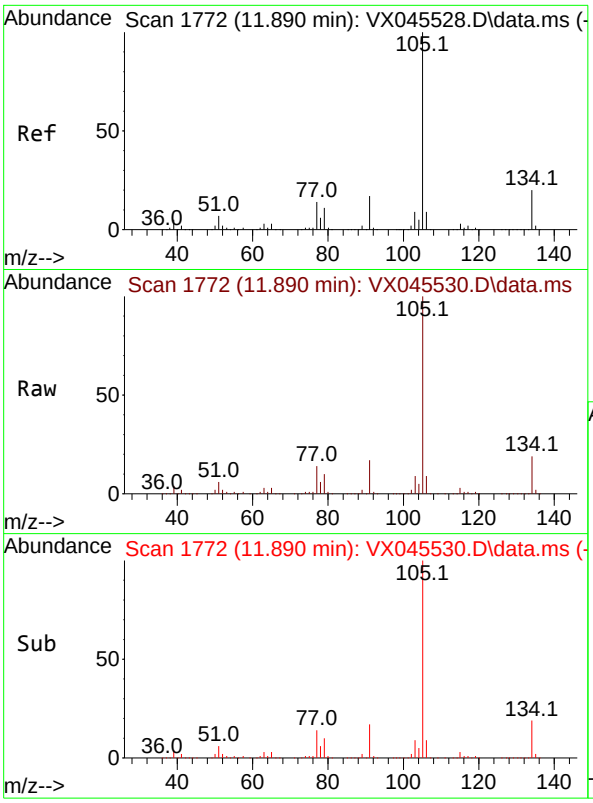


#84
1,2,4-Trimethylbenzene
Concen: 154.317 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 629704

Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.4	64.3

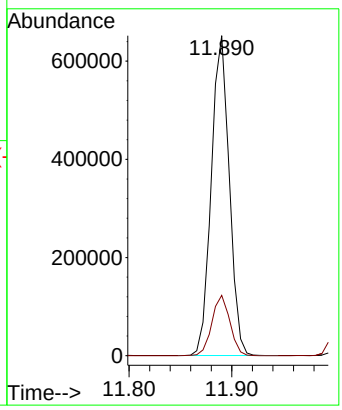




#85
sec-Butylbenzene
Concen: 159.869 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 79035

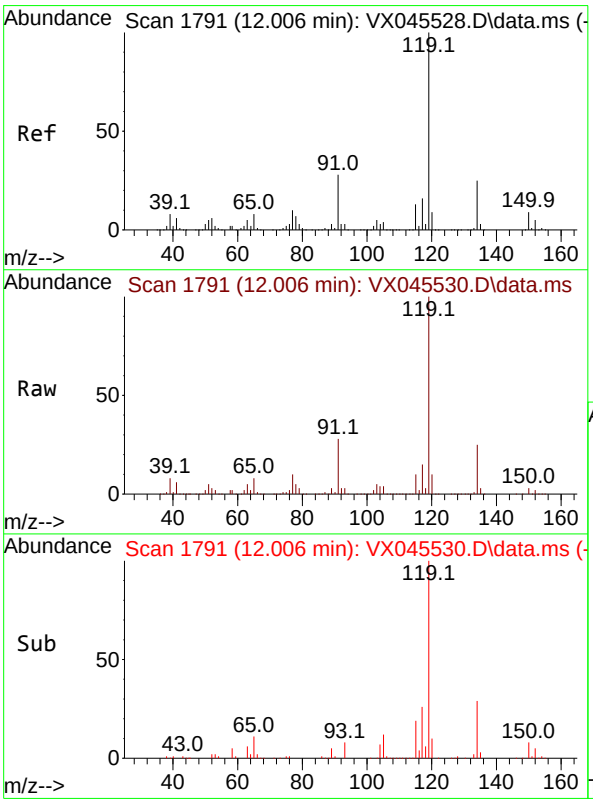
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

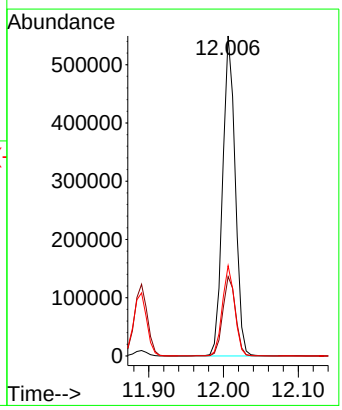
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

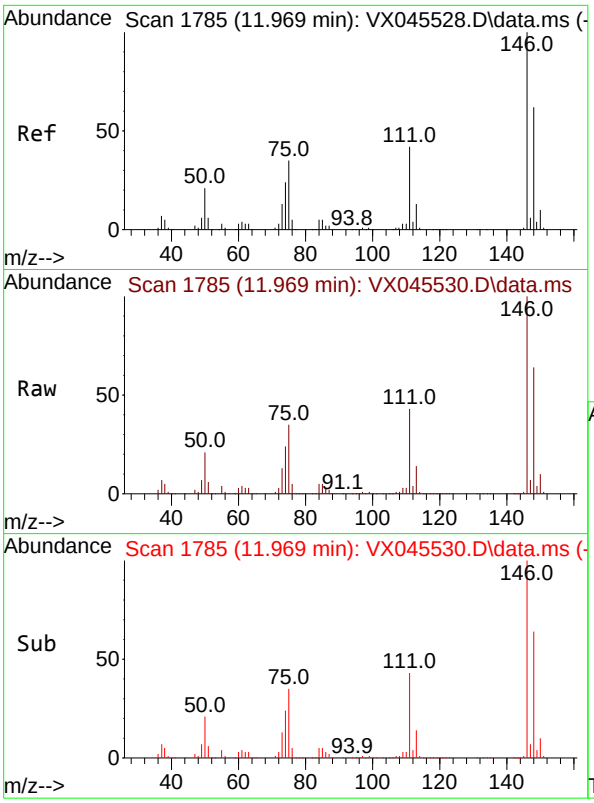


#86
p-Isopropyltoluene
Concen: 157.397 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 641521

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	27.6	13.7	41.1

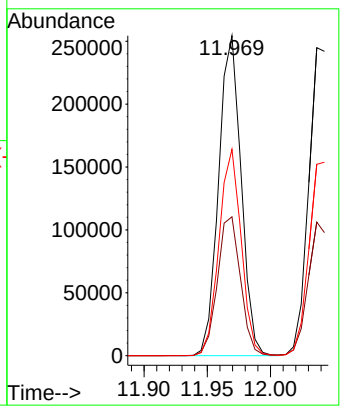




#87
1,3-Dichlorobenzene
Concen: 151.885 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 31407

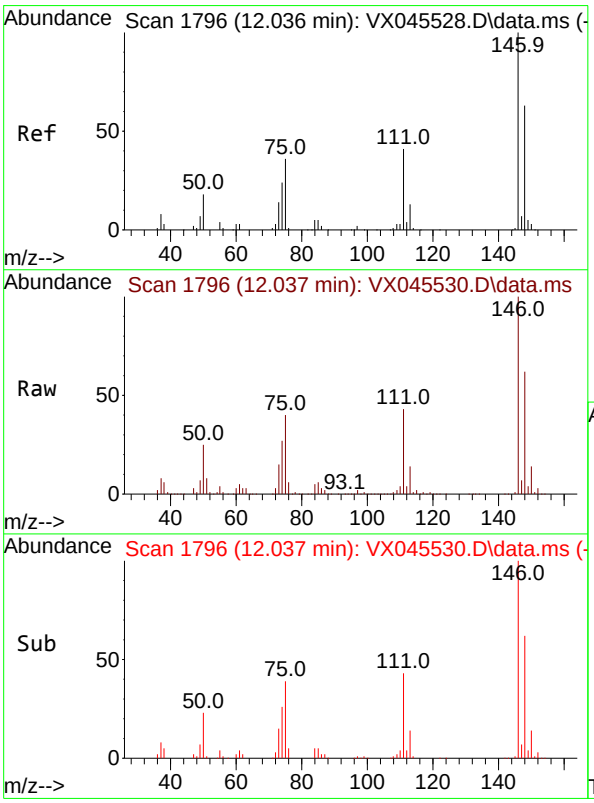
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

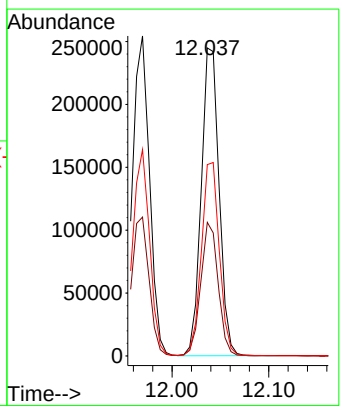
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

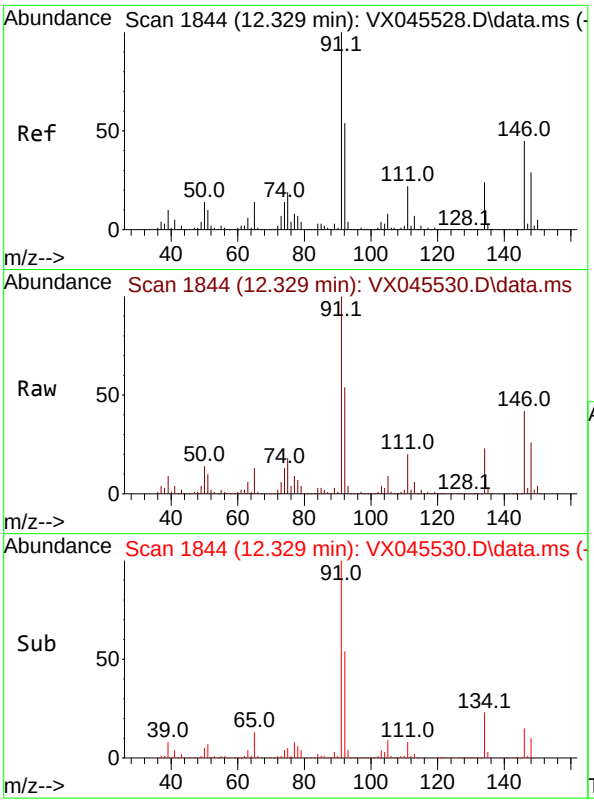


#88
1,4-Dichlorobenzene
Concen: 149.876 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 314197

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	63.5	31.5	94.5





#89
n-Butylbenzene
Concen: 171.019 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

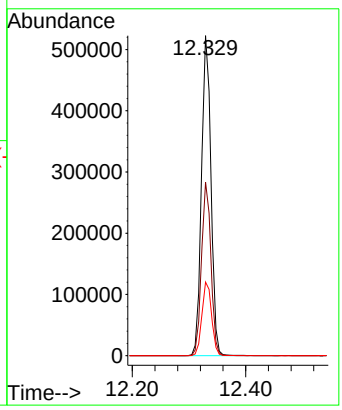
Tgt Ion: 91 Resp: 60444

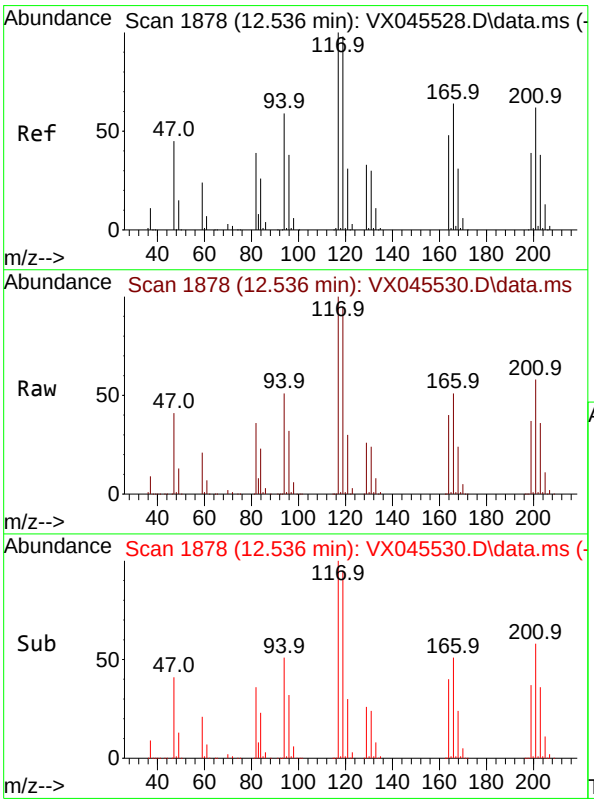
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.6
134	23.6	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

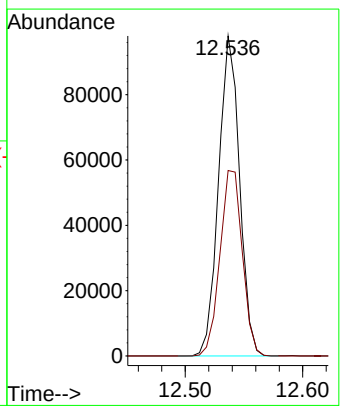


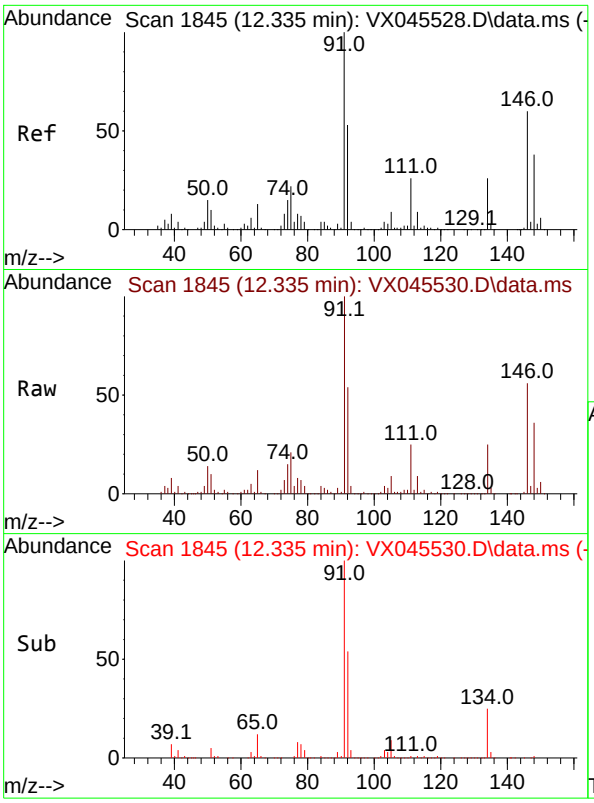


#90
Hexachloroethane
Concen: 173.829 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 121761

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.2	93.6

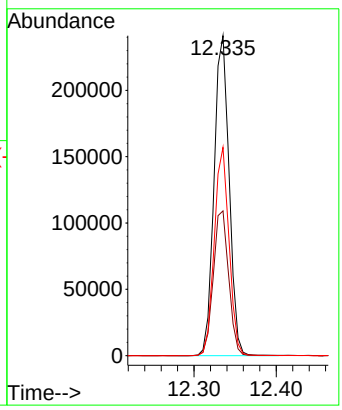




#91
1,2-Dichlorobenzene
Concen: 149.342 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 30703

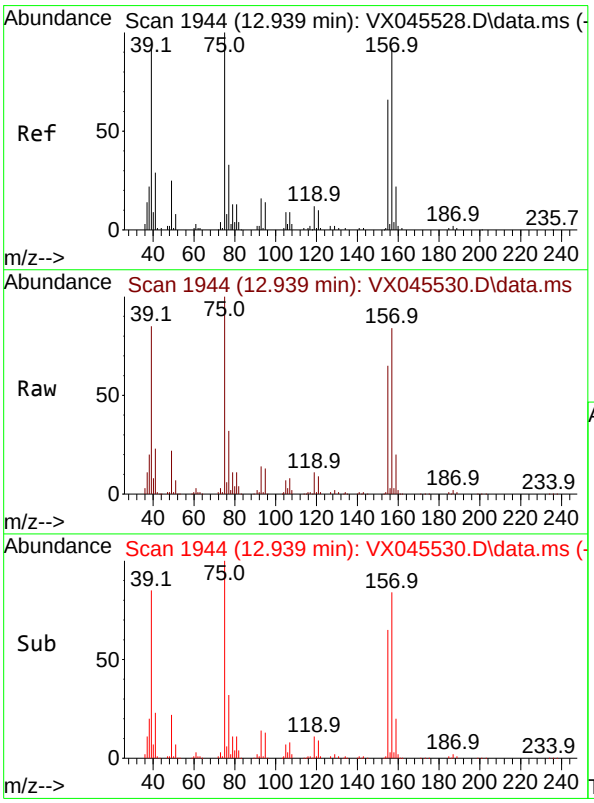
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.8
148	63.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

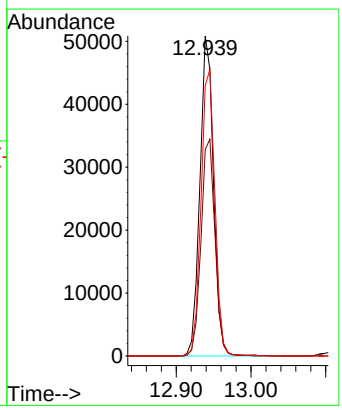
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

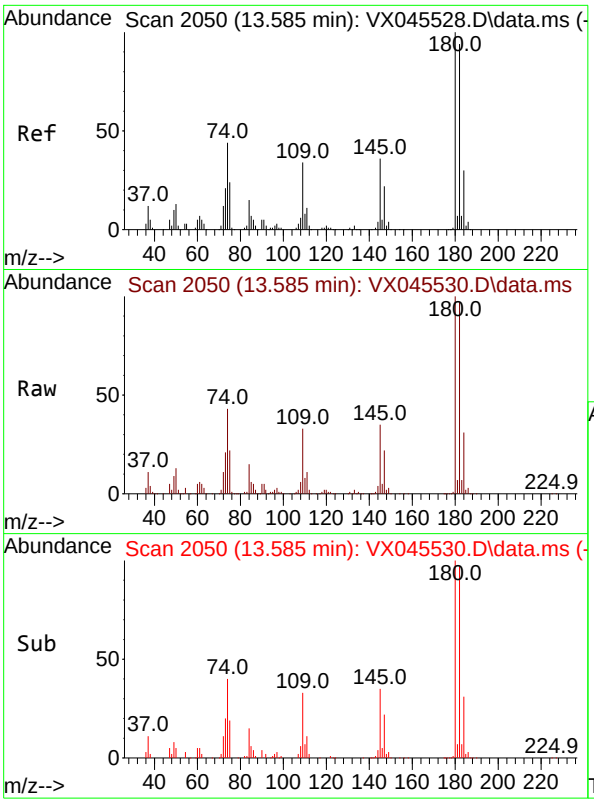


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.062 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 64317

Ion	Ratio	Lower	Upper
75	100		
155	69.7	34.9	104.7
157	91.3	44.9	134.7

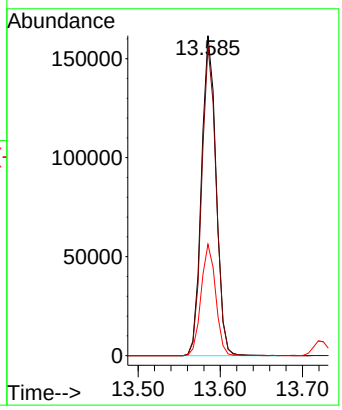




#93
1,2,4-Trichlorobenzene
Concen: 174.213 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 19936

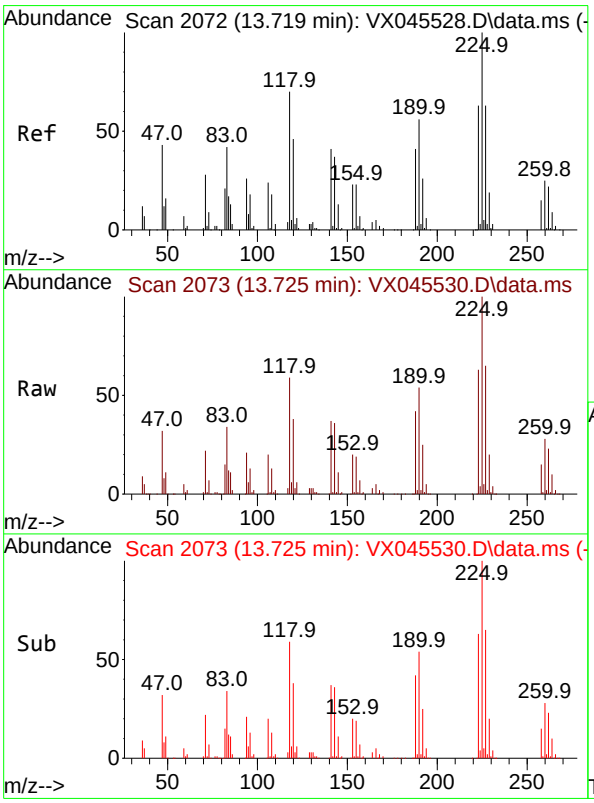
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

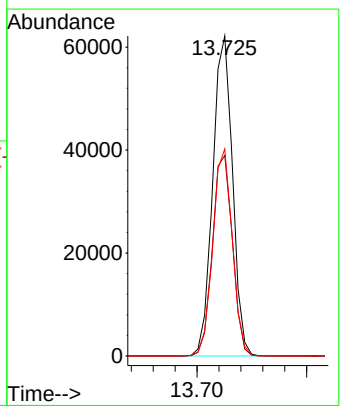
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

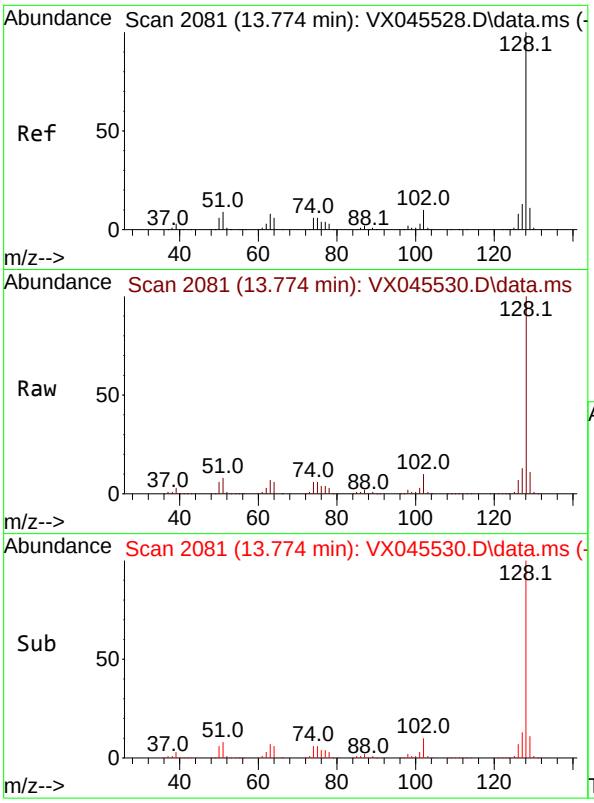


#94
Hexachlorobutadiene
Concen: 157.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:225 Resp: 77792

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	63.8	32.2	96.6

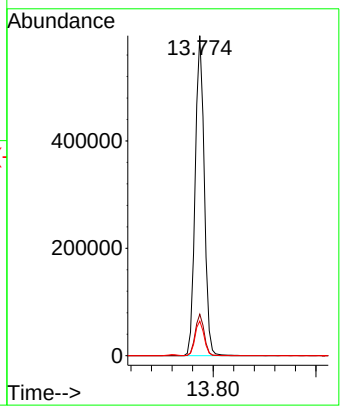




#95
Naphthalene
Concen: 172.191 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:128 Resp: 73330

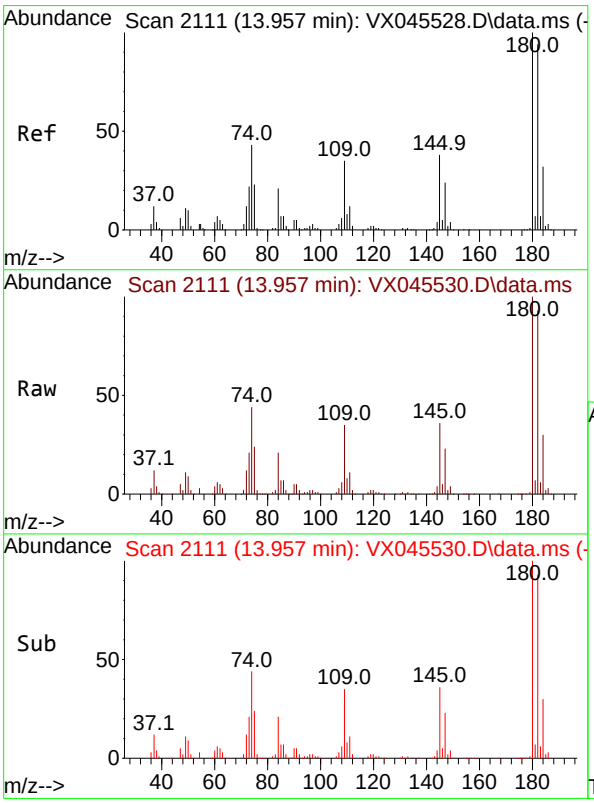
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

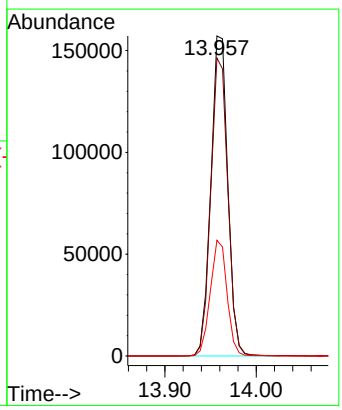
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 168.562 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 201989

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	35.8	18.2	54.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89251	50.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	61107	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.647	98	217200	50.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	80376	50.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76070	52.454	ug/l	97
3) Chloromethane	1.301	50	72033	48.349	ug/l	99
4) Vinyl Chloride	1.374	62	66559	48.816	ug/l	99
5) Bromomethane	1.593	94	30379	46.991	ug/l	99
6) Chloroethane	1.672	64	37317	51.586	ug/l	100
7) Trichlorofluoromethane	1.880	101	102379	50.354	ug/l	96
8) Diethyl Ether	2.130	74	33603	49.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	59007	49.528	ug/l	98
10) Methyl Iodide	2.447	142	72261	48.626	ug/l	99
11) Tert butyl alcohol	2.971	59	58774	246.612	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57888	49.726	ug/l	99
13) Acrolein	2.233	56	78156	238.141	ug/l	99
14) Allyl chloride	2.660	41	111636	50.541	ug/l	99
15) Acrylonitrile	3.062	53	186837	248.351	ug/l	100
16) Acetone	2.380	43	176153	241.904	ug/l	99
17) Carbon Disulfide	2.508	76	149677	52.057	ug/l	100
18) Methyl Acetate	2.703	43	81720	48.742	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	207487	50.950	ug/l	100
20) Methylene Chloride	2.782	84	66875	49.055	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59229	49.800	ug/l	98
22) Diisopropyl ether	3.757	45	221449	50.895	ug/l	92
23) Vinyl Acetate	3.715	43	1005423	267.449	ug/l	99
24) 1,1-Dichloroethane	3.605	63	122240	49.677	ug/l	99
25) 2-Butanone	4.550	43	271686	254.882	ug/l	97
26) 2,2-Dichloropropane	4.471	77	82704	52.020	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71072	49.049	ug/l	98
28) Bromochloromethane	4.891	49	57557	48.403	ug/l	99
29) Tetrahydrofuran	5.001	42	172405	249.473	ug/l	100
30) Chloroform	5.086	83	125621	49.614	ug/l	98
31) Cyclohexane	5.458	56	107862	49.583	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	107830	50.330	ug/l	99
36) 1,1-Dichloropropene	5.684	75	83901	50.088	ug/l	99
37) Ethyl Acetate	4.708	43	105095	49.787	ug/l	98
38) Carbon Tetrachloride	5.672	117	91723	50.667	ug/l	100
39) Methylcyclohexane	7.373	83	102919	50.124	ug/l	99
40) Benzene	6.031	78	251758	49.212	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59140	53.098	ug/l		99
42) 1,2-Dichloroethane	6.080	62	103270	48.875	ug/l		100
43) Isopropyl Acetate	6.336	43	164894	51.539	ug/l		100
44) Trichloroethene	7.123	130	57931	47.643	ug/l		92
45) 1,2-Dichloropropane	7.421	63	63210	49.521	ug/l		95
46) Dibromomethane	7.574	93	47564	48.542	ug/l		97
47) Bromodichloromethane	7.818	83	96418	49.273	ug/l		96
48) Methyl methacrylate	7.690	41	85084	51.507	ug/l		99
49) 1,4-Dioxane	7.659	88	28552	955.327	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	540822	254.994	ug/l		100
52) Toluene	8.714	92	151664	48.994	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87744	46.783	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	99074	53.878	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	60452	49.007	ug/l		97
56) Ethyl methacrylate	9.116	69	102525	53.705	ug/l		100
57) 1,3-Dichloropropane	9.305	76	107121	49.869	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	251285	260.201	ug/l		99
59) 2-Hexanone	9.427	43	395336	251.710	ug/l		100
60) Dibromochloromethane	9.519	129	68562	50.983	ug/l		99
61) 1,2-Dibromoethane	9.604	107	63301	50.693	ug/l		100
64) Tetrachloroethene	9.269	164	50834	47.239	ug/l		99
65) Chlorobenzene	10.073	112	163518	50.207	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	57096	50.495	ug/l		99
67) Ethyl Benzene	10.189	91	300747	51.558	ug/l		100
68) m/p-Xylenes	10.299	106	217943	102.728	ug/l		99
69) o-Xylene	10.640	106	107947	51.650	ug/l		100
70) Styrene	10.653	104	181524	52.624	ug/l		100
71) Bromoform	10.799	173	44489	52.694	ug/l	#	98
73) Isopropylbenzene	10.957	105	286010	52.794	ug/l		100
74) N-amyl acetate	10.842	43	140941	54.387	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92505	48.608	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	82060m	49.741	ug/l		
77) Bromobenzene	11.195	156	63244	50.525	ug/l		98
78) n-propylbenzene	11.299	91	336753	53.967	ug/l		100
79) 2-Chlorotoluene	11.360	91	203677	51.057	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	239822	53.534	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25511	52.482	ug/l		98
82) 4-Chlorotoluene	11.451	91	233159	52.422	ug/l		100
83) tert-Butylbenzene	11.713	119	236276	53.274	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	238257	52.990	ug/l		100
85) sec-Butylbenzene	11.890	105	293633	53.903	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	54.337	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	115113	50.521	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	113458	49.117	ug/l		97
89) n-Butylbenzene	12.329	91	214931	55.189	ug/l		99
90) Hexachloroethane	12.536	117	41729	54.066	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	113126	49.938	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21184	53.226	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65488	51.935	ug/l		98
94) Hexachlorobutadiene	13.725	225	27147	49.961	ug/l		99
95) Naphthalene	13.774	128	247600	52.765	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66542	50.396	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

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

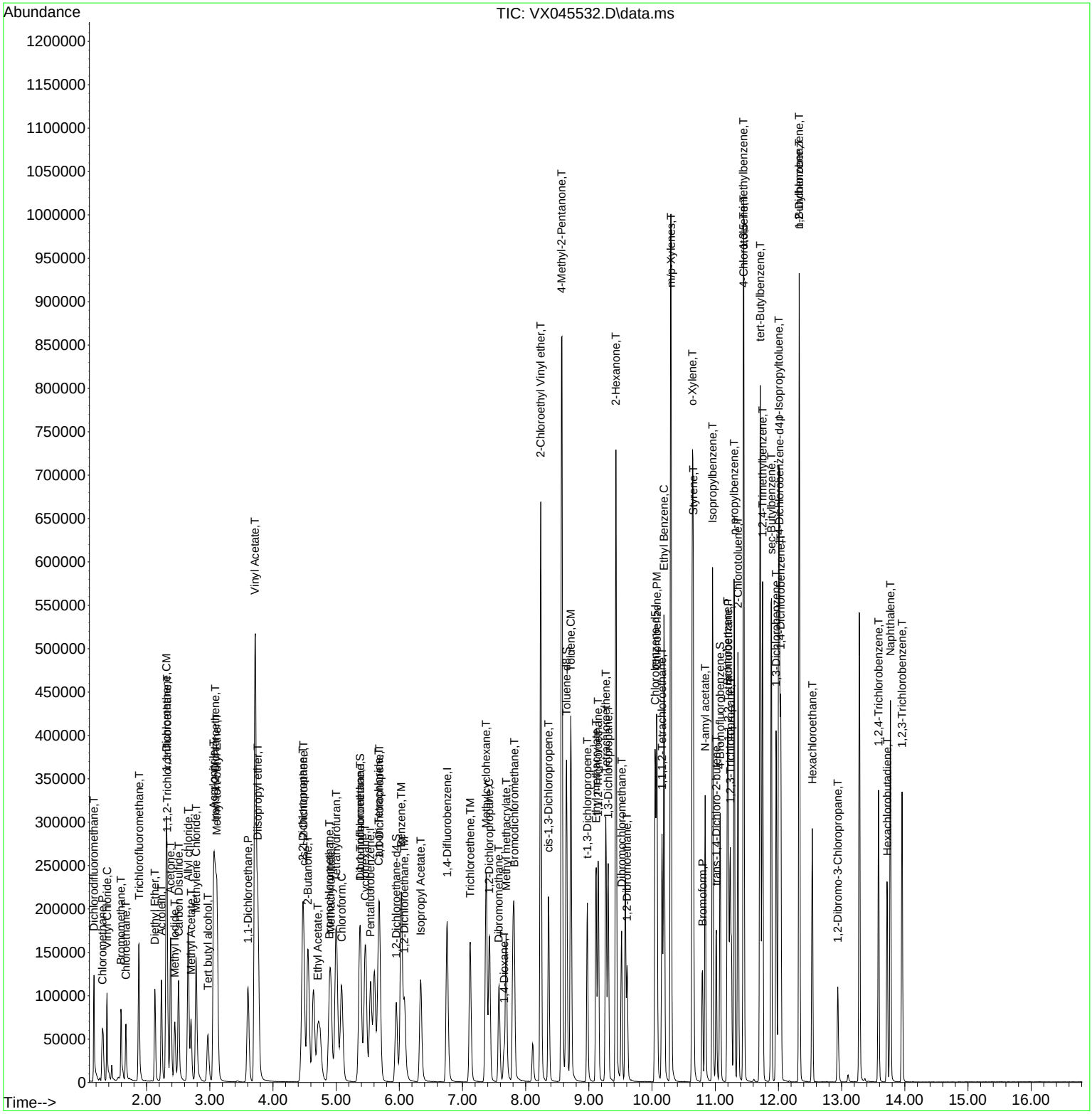
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Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

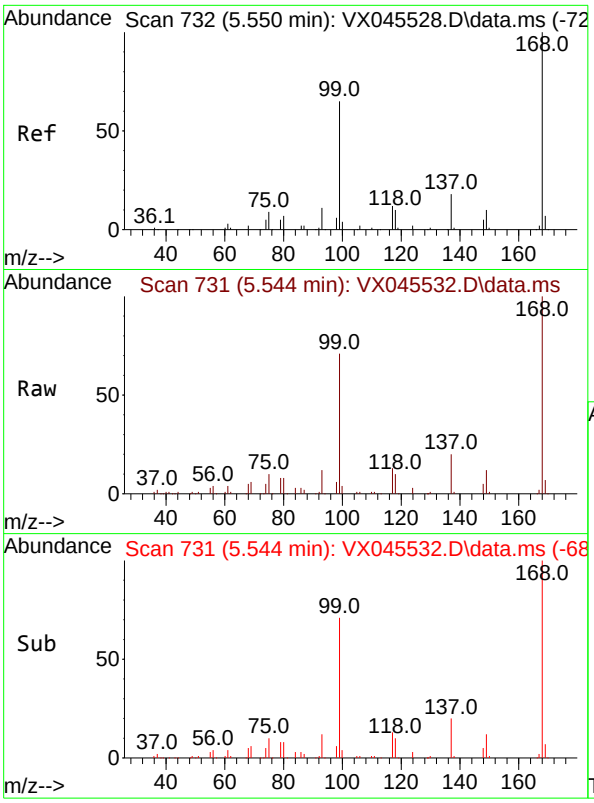
Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

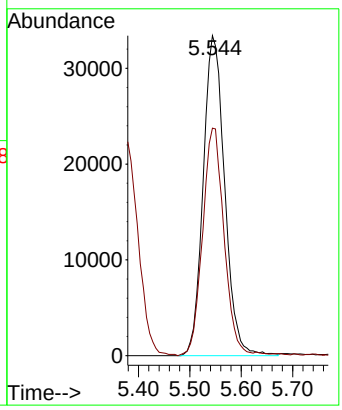




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:168 Resp: 9697

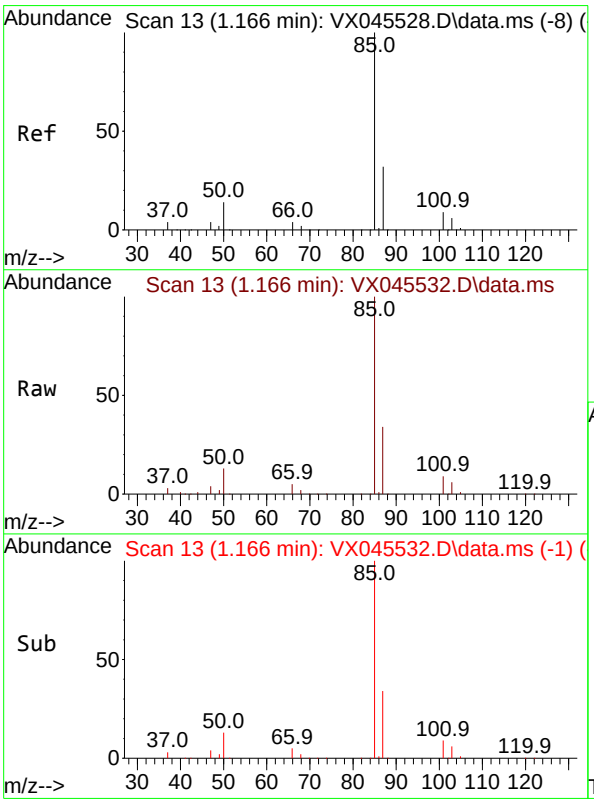
Ion	Ratio	Lower	Upper
168	100		
99	71.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

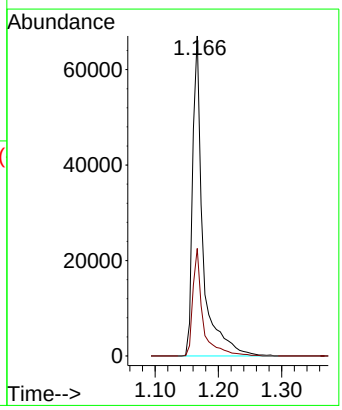
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

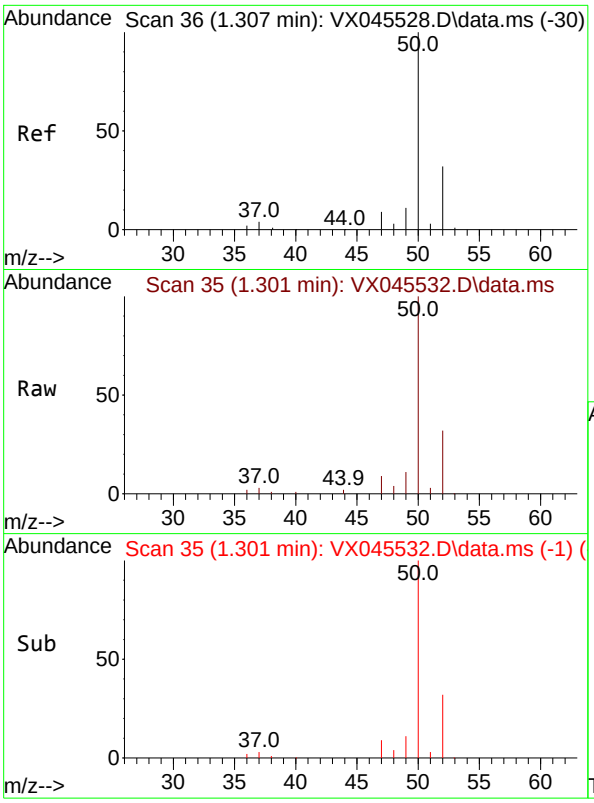


#2
Dichlorodifluoromethane
Concen: 52.454 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 85 Resp: 76070

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.2

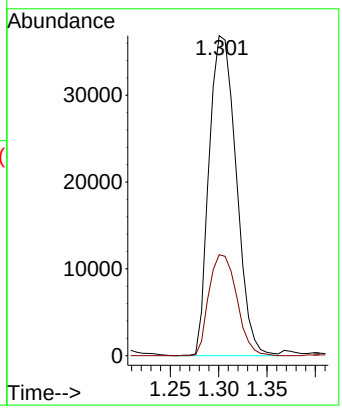




#3
Chloromethane
Concen: 48.349 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 50 Resp: 7203

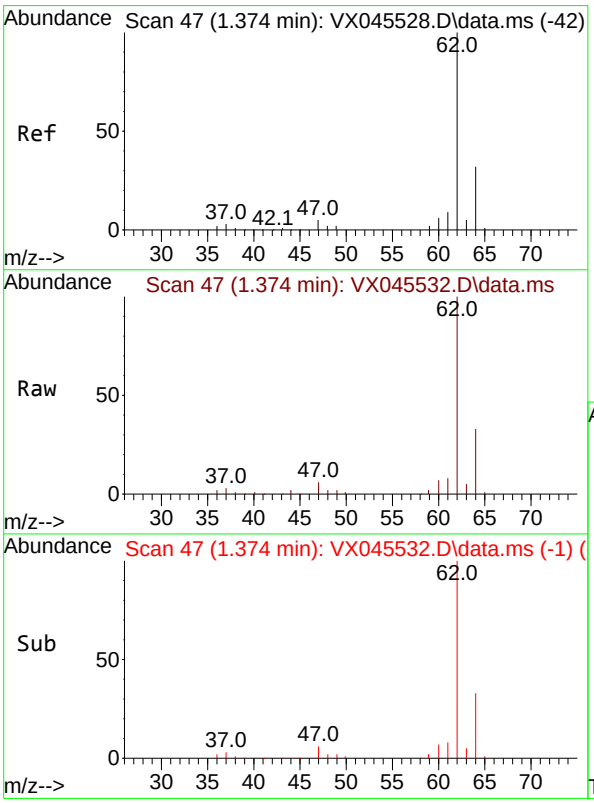
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

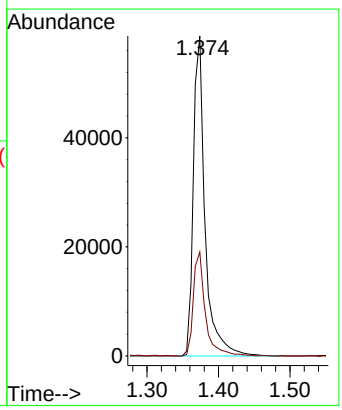
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

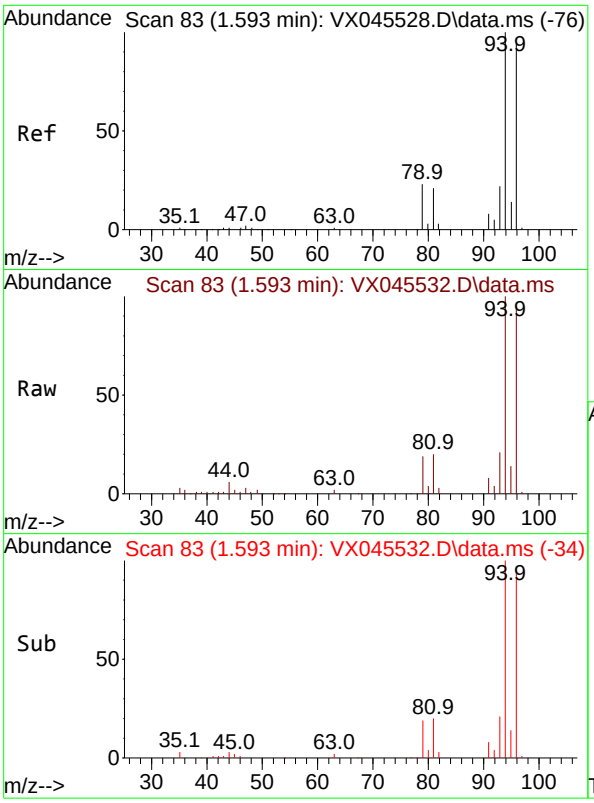


#4
Vinyl Chloride
Concen: 48.816 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 66559

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3

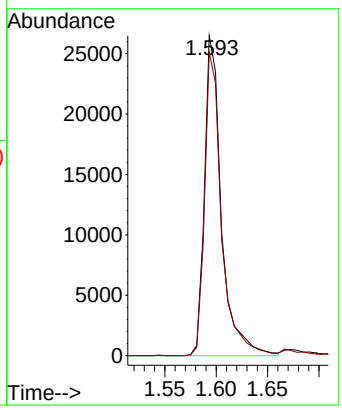




#5
Bromomethane
Concen: 46.991 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 94 Resp: 3037

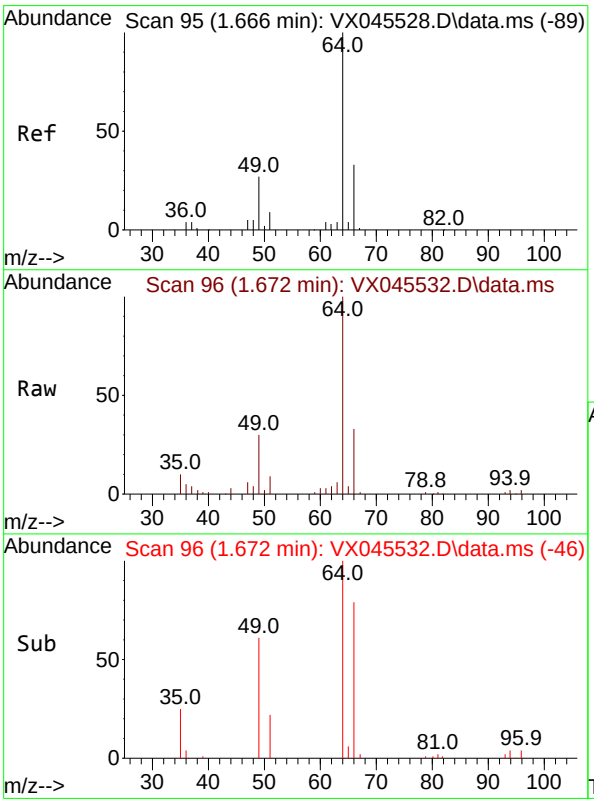
Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

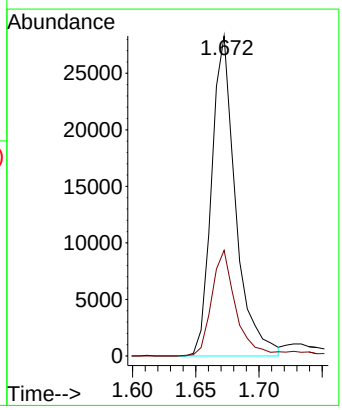
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

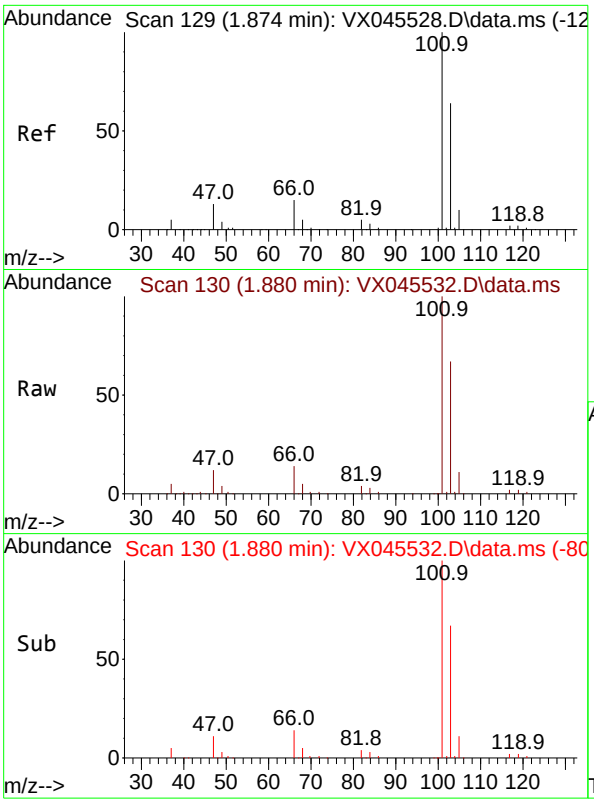


#6
Chloroethane
Concen: 51.586 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 64 Resp: 37317

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.3	39.5

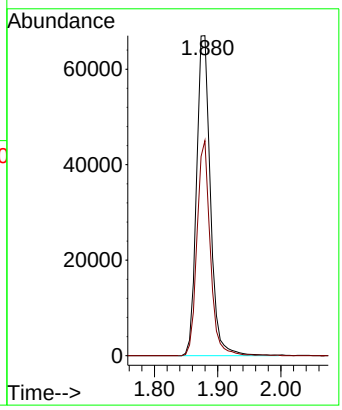




#7
Trichlorofluoromethane
Concen: 50.354 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 10237

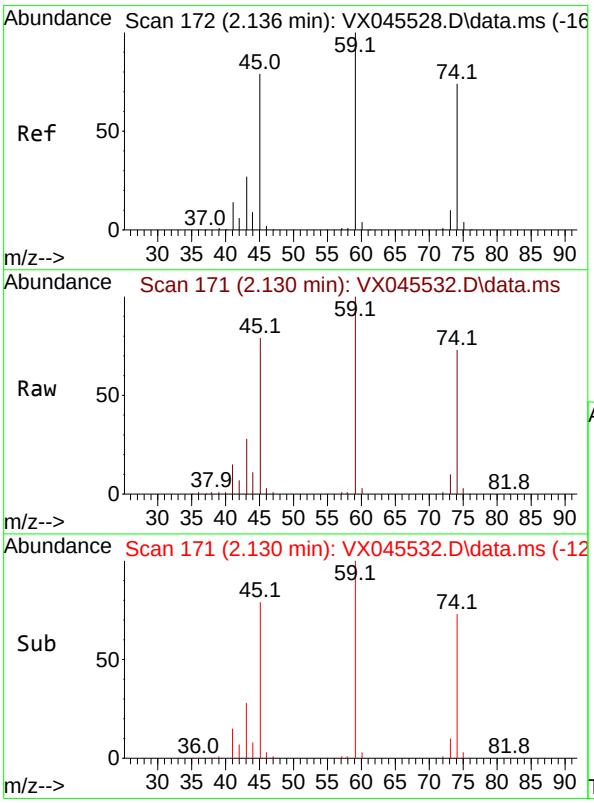
Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

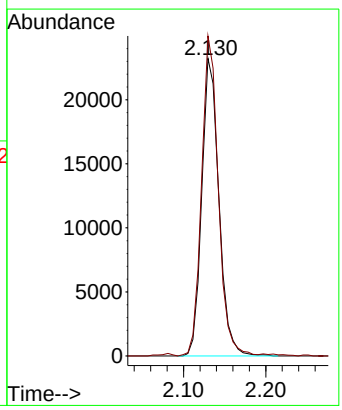
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

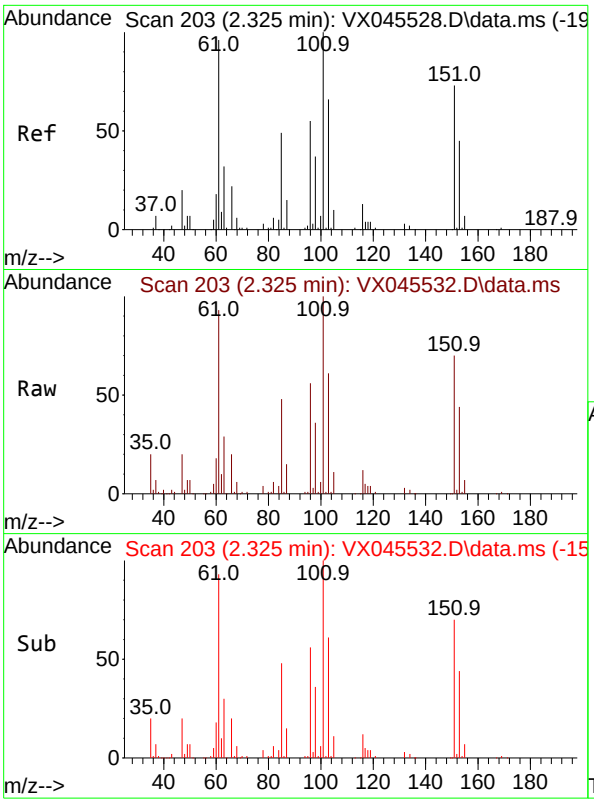


#8
Diethyl Ether
Concen: 49.228 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 74 Resp: 33603

Ion	Ratio	Lower	Upper
74	100		
45	105.2	53.0	159.1

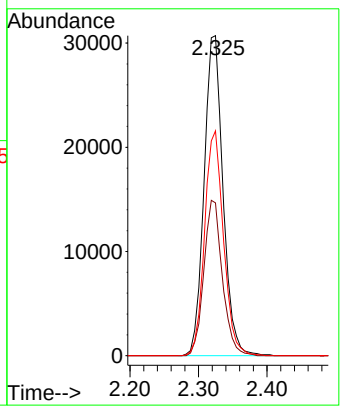




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.528 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 5900

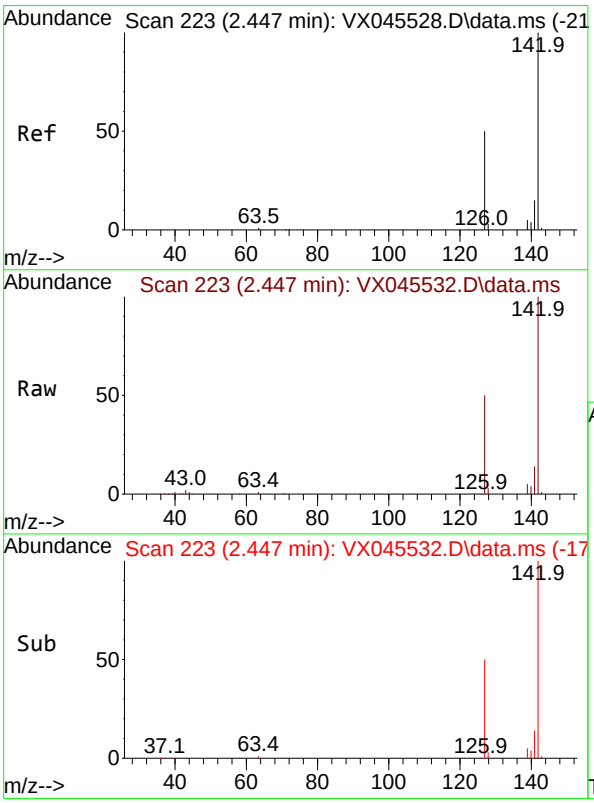
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.9	58.3
151	70.1	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

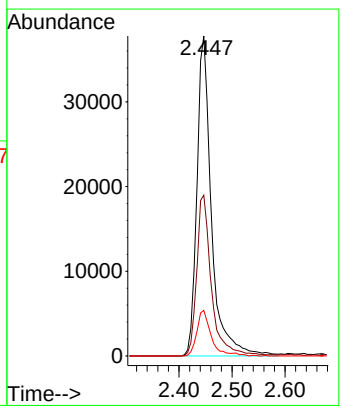
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

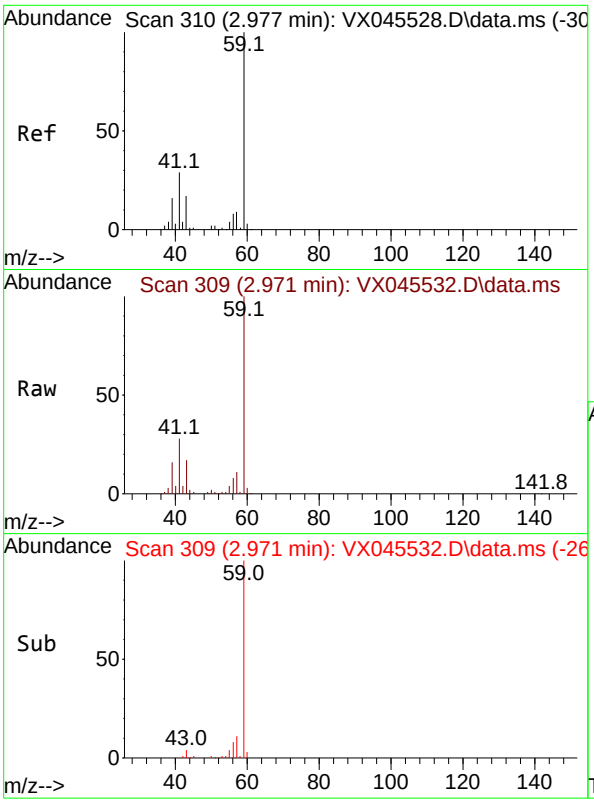


#10
Methyl Iodide
Concen: 48.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:142 Resp: 72261

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.1	11.7	17.5





#11
Tert butyl alcohol
Concen: 246.612 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

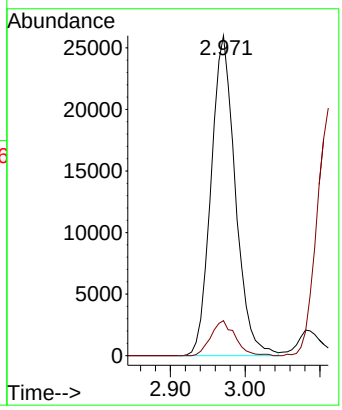
Tgt Ion: 59 Resp: 5877

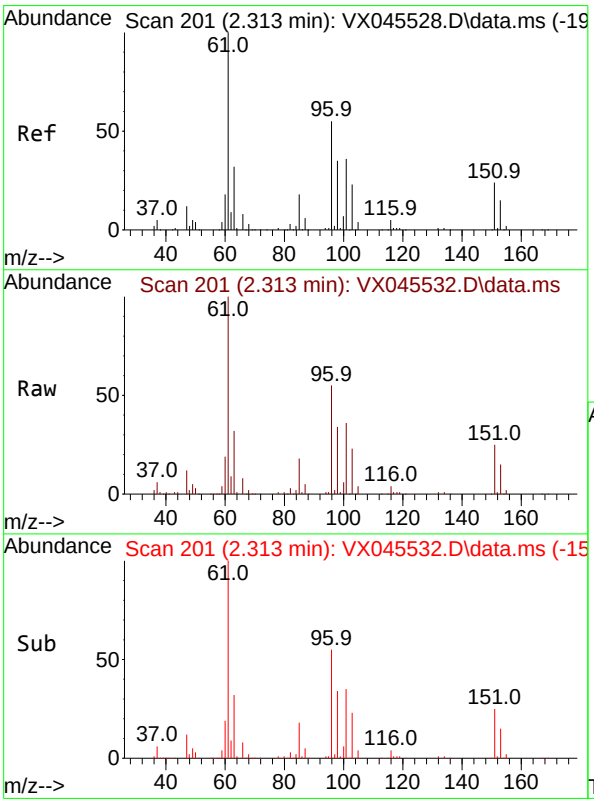
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

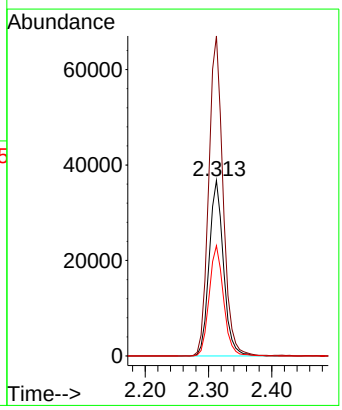


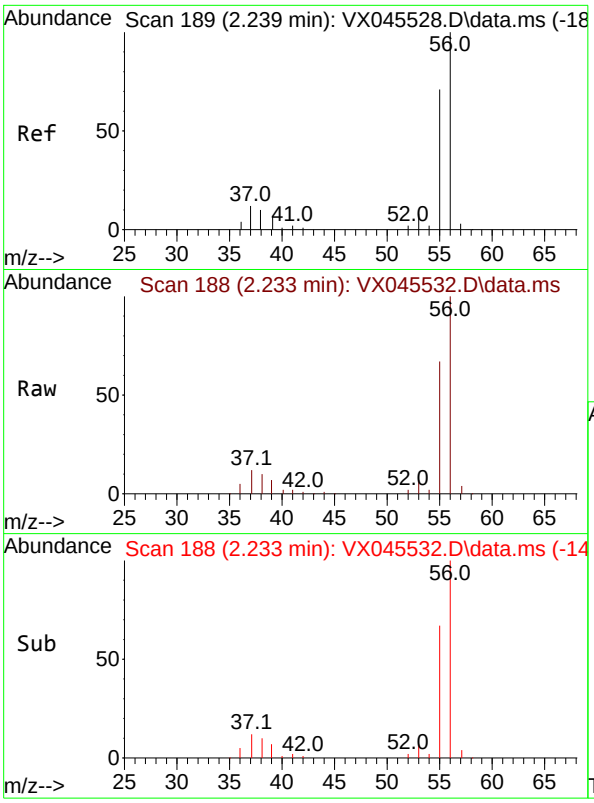


#12
1,1-Dichloroethene
Concen: 49.726 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 57888

Ion	Ratio	Lower	Upper
96	100		
61	182.3	145.7	218.5
98	62.8	51.6	77.4

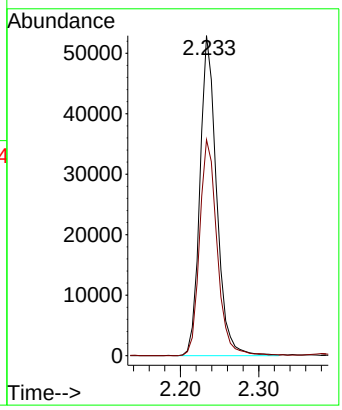




#13
Acrolein
Concen: 238.141 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 7815

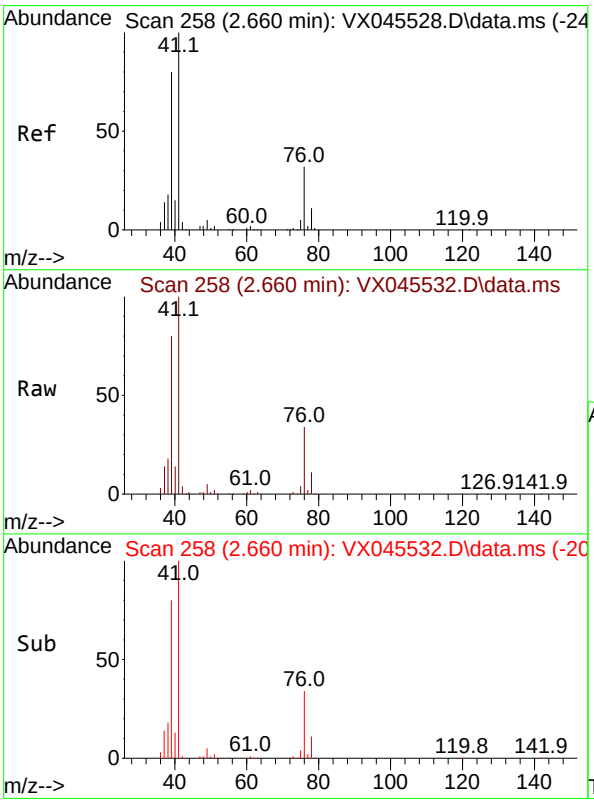
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

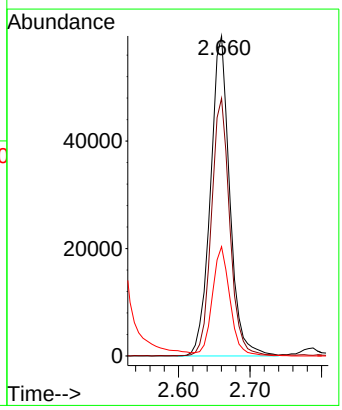
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

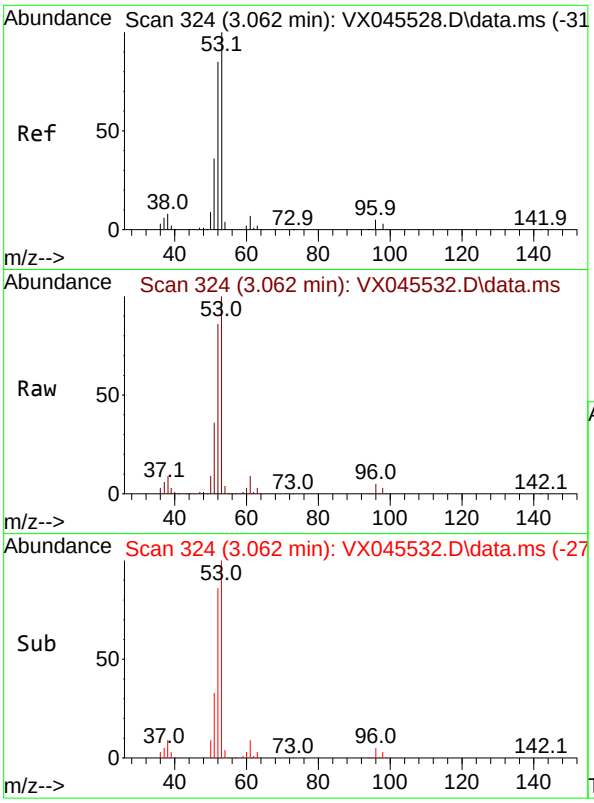


#14
Allyl chloride
Concen: 50.541 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 111636

Ion	Ratio	Lower	Upper
41	100		
39	76.2	60.2	90.2
76	31.6	24.6	36.8

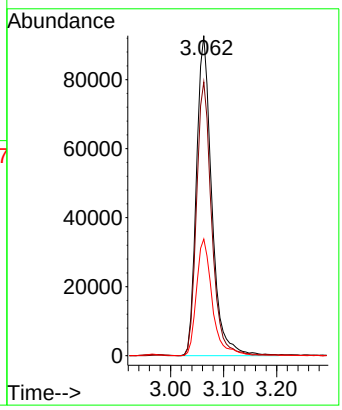




#15
Acrylonitrile
Concen: 248.351 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 53 Resp: 18683

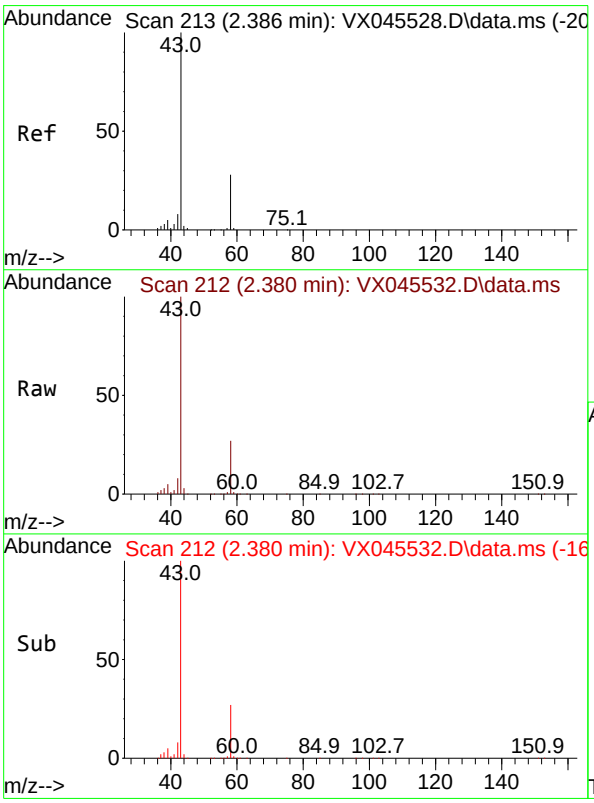
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

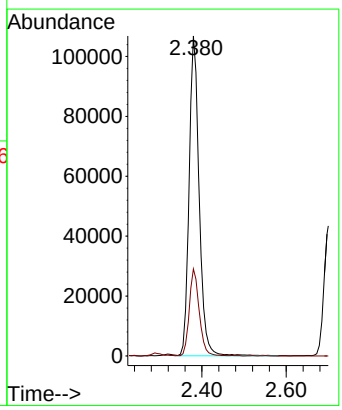
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

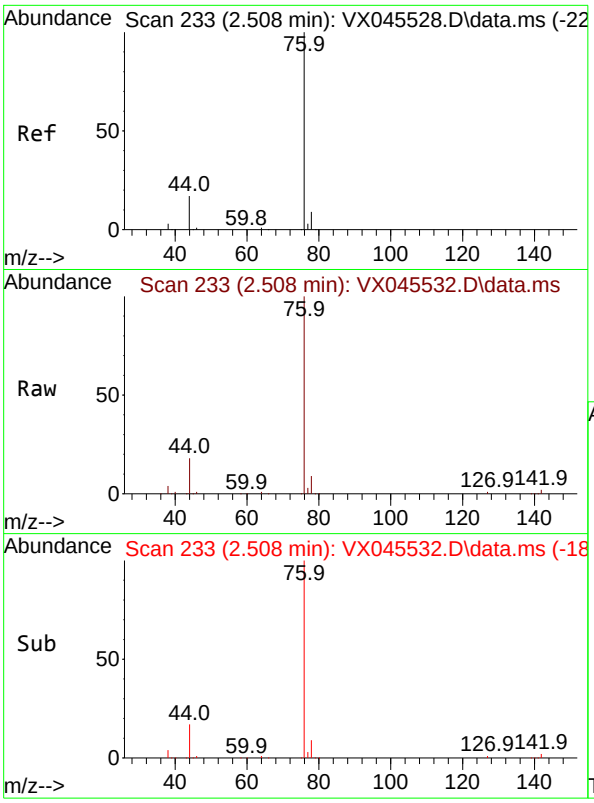


#16
Acetone
Concen: 241.904 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 176153

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

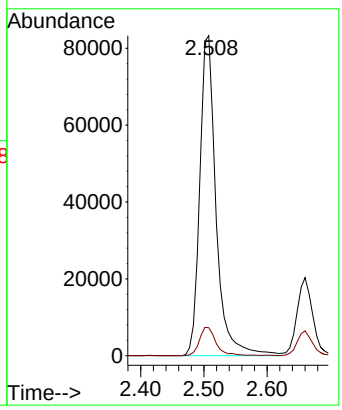




#17
Carbon Disulfide
Concen: 52.057 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 14967

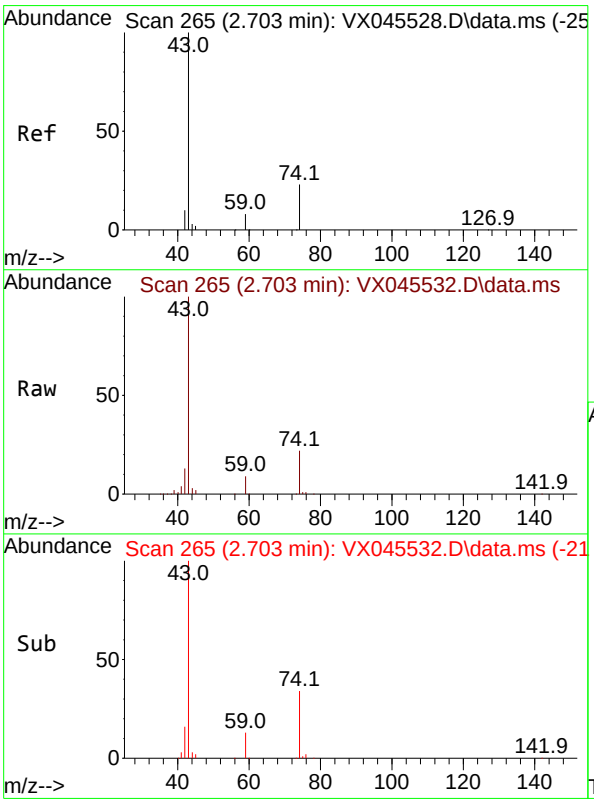
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

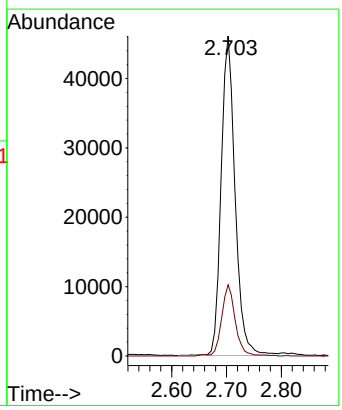
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

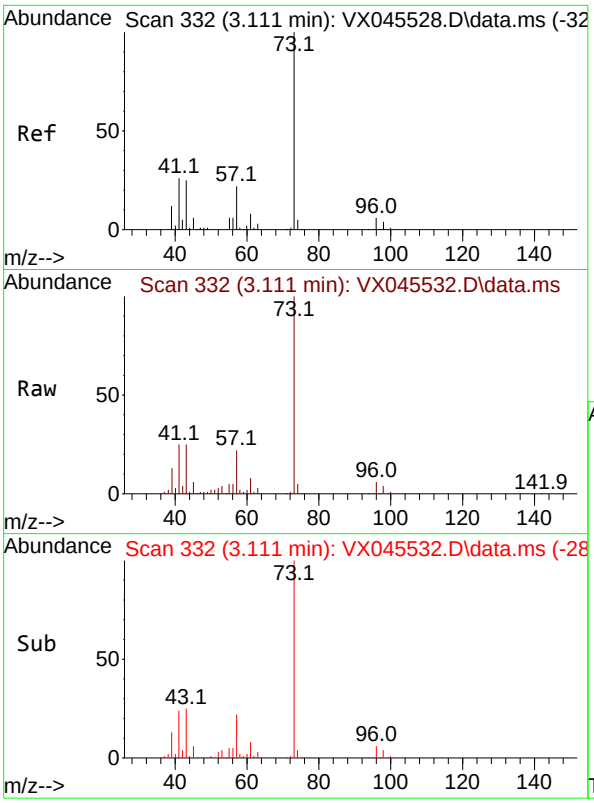


#18
Methyl Acetate
Concen: 48.742 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 81720

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3

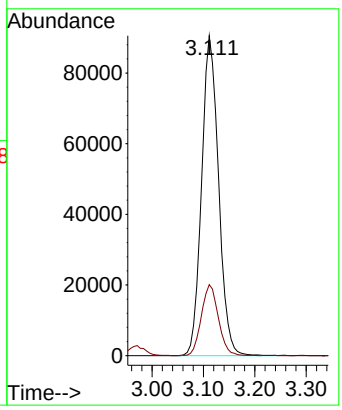




#19
Methyl tert-butyl Ether
Concen: 50.950 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 73 Resp: 20748

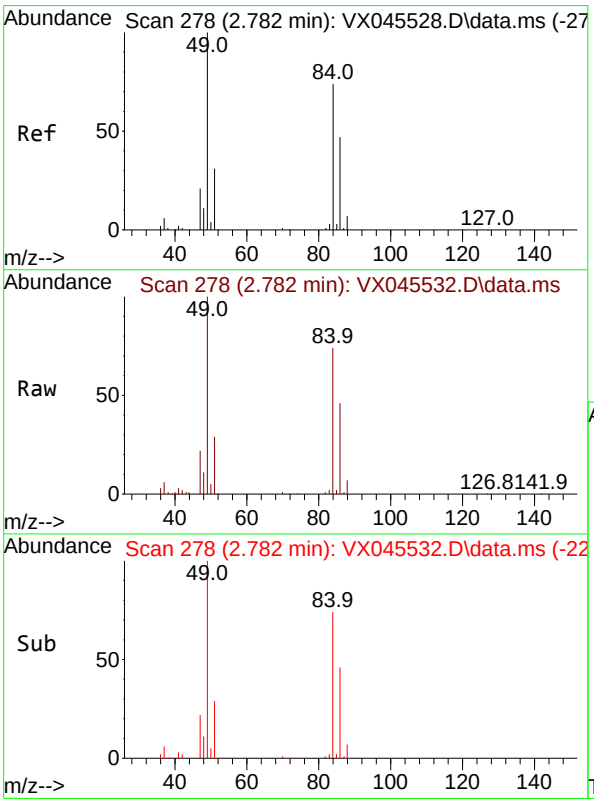
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

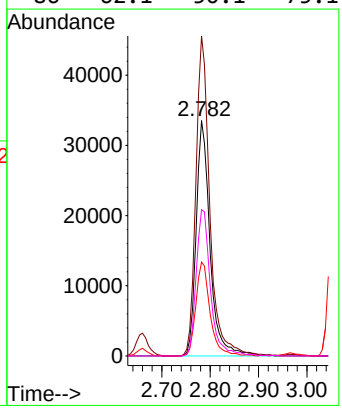
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

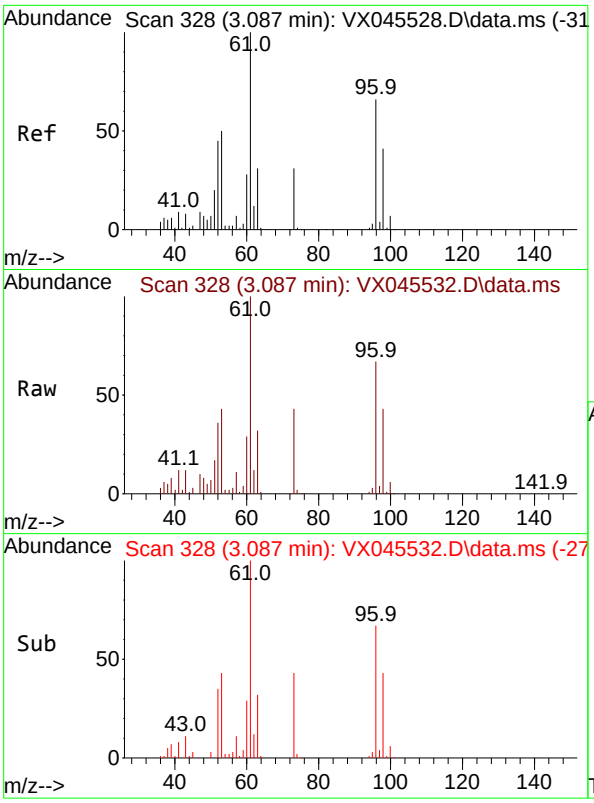


#20
Methylene Chloride
Concen: 49.055 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 84 Resp: 66875

Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.5	161.3
51	39.9	33.0	49.6
86	62.1	50.1	75.1

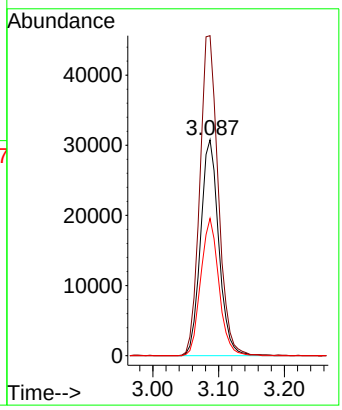




#21
trans-1,2-Dichloroethene
Concen: 49.800 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 5922

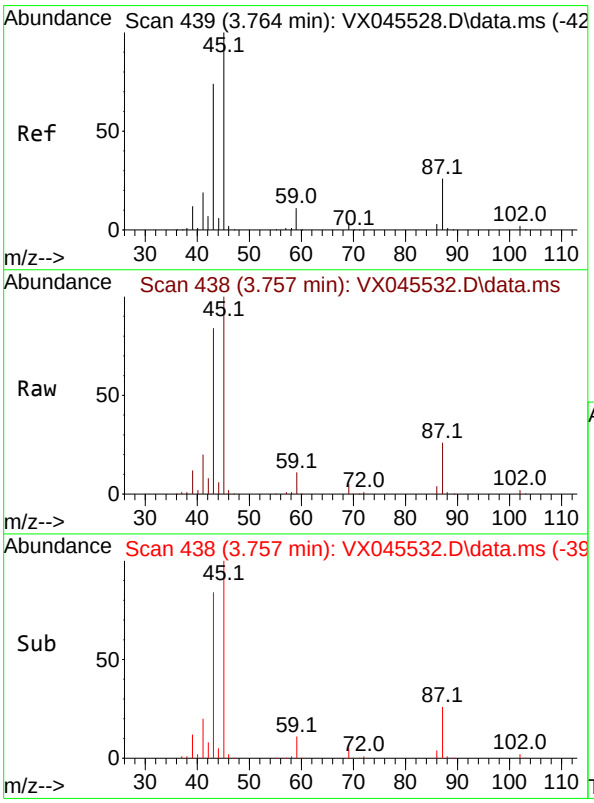
Ion	Ratio	Lower	Upper
96	100		
61	148.2	121.0	181.6
98	63.6	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

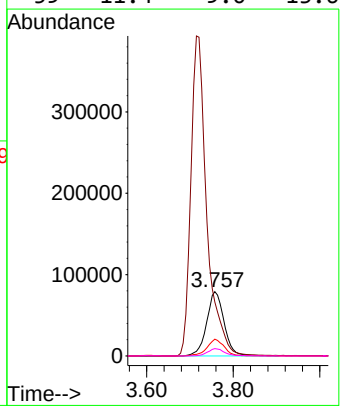
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

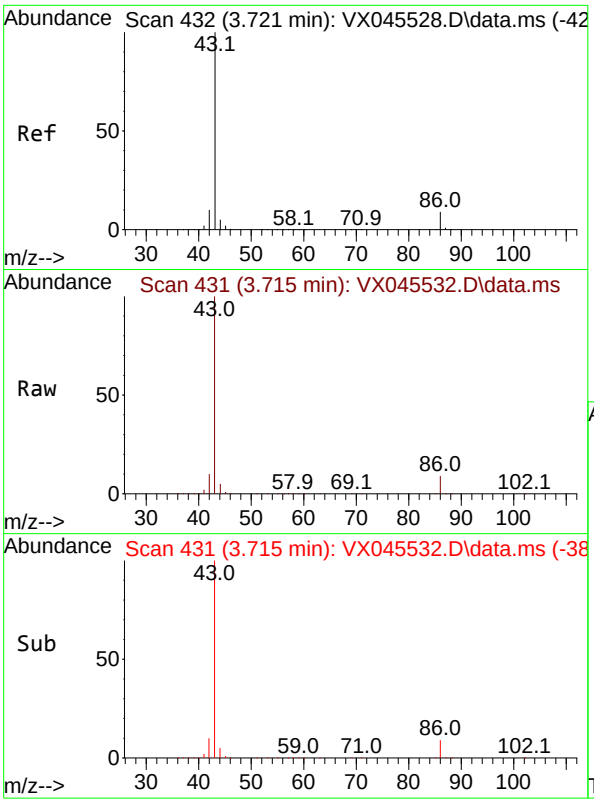


#22
Diisopropyl ether
Concen: 50.895 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 45 Resp: 221449

Ion	Ratio	Lower	Upper
45	100		
43	83.3	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6





#23
Vinyl Acetate
Concen: 267.449 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

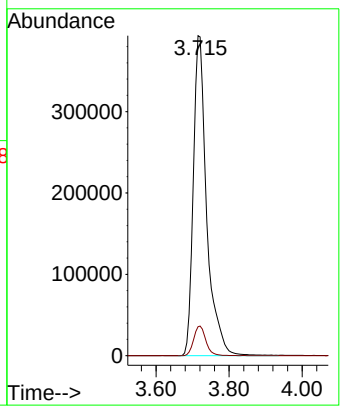
Tgt Ion: 43 Resp: 100542

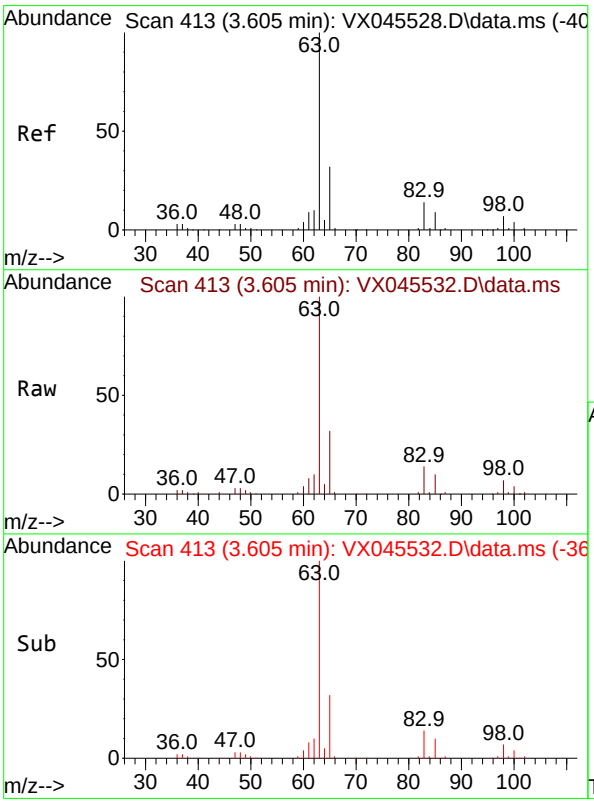
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

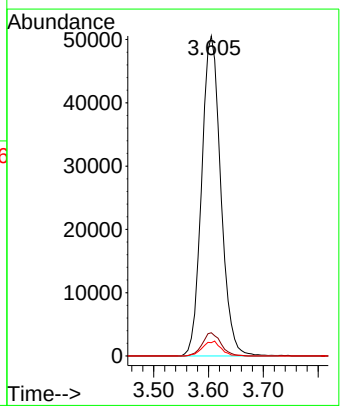


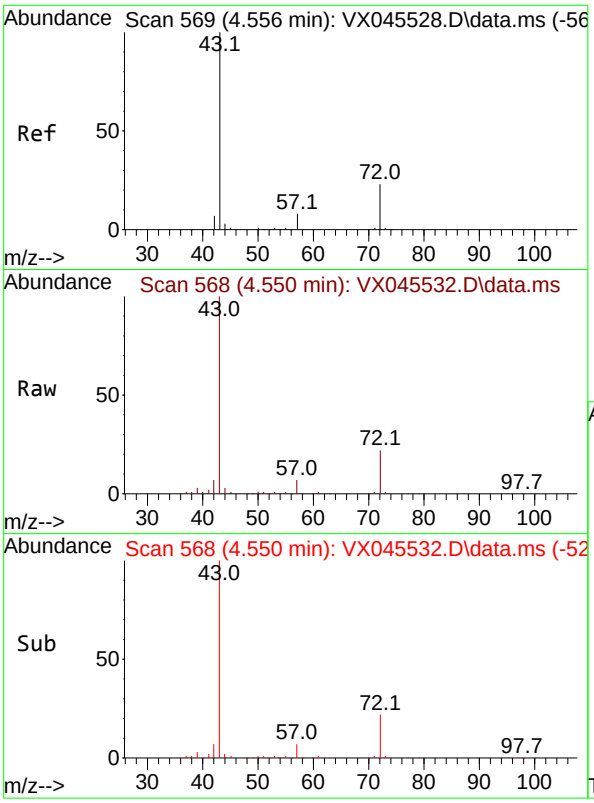


#24
1,1-Dichloroethane
Concen: 49.677 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 122240

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.2	2.2	6.6





#25
2-Butanone
Concen: 254.882 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

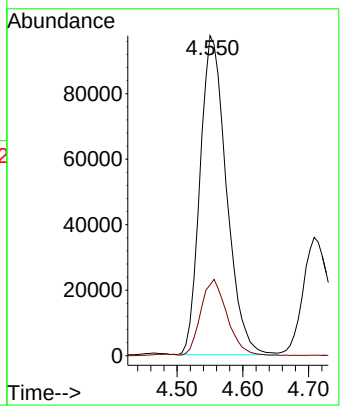
Tgt Ion: 43 Resp: 27168

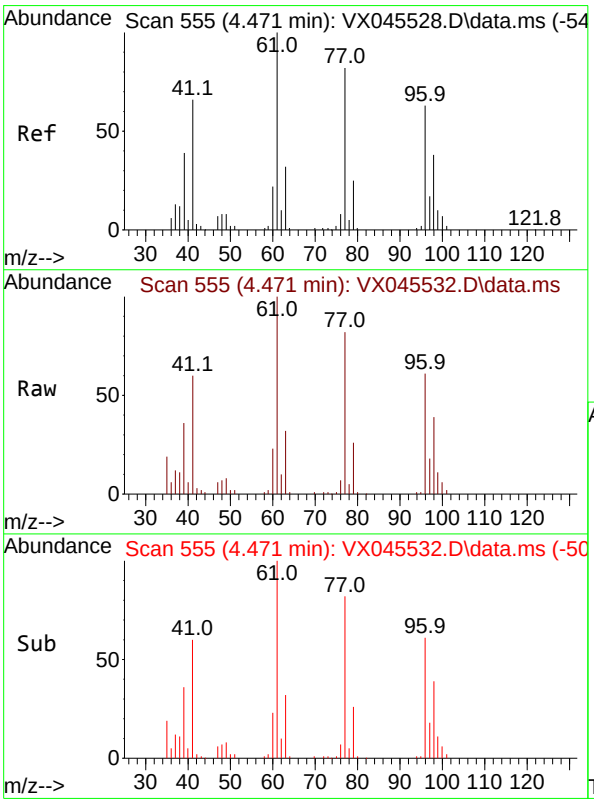
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

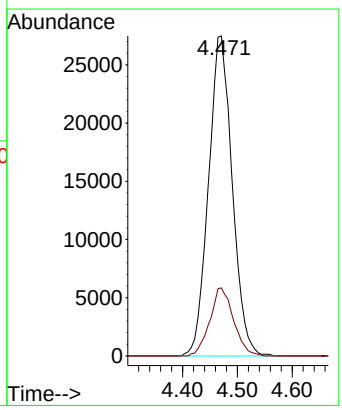


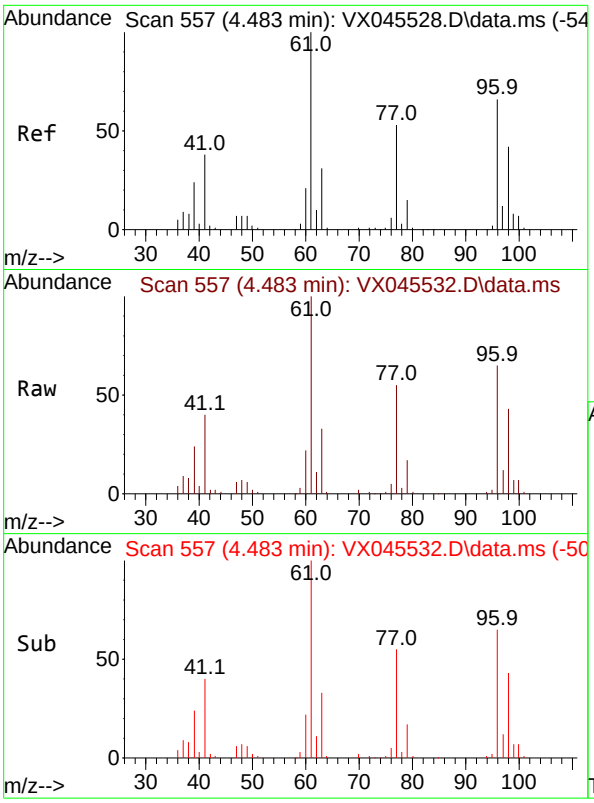


#26
2,2-Dichloropropane
Concen: 52.020 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 77 Resp: 82704

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

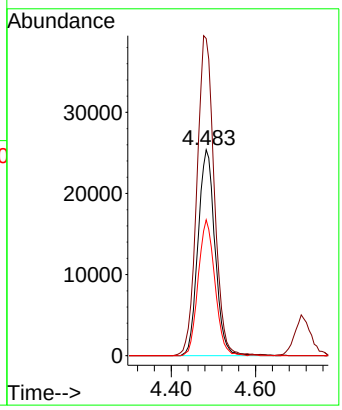




#27
cis-1,2-Dichloroethene
Concen: 49.049 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 7107

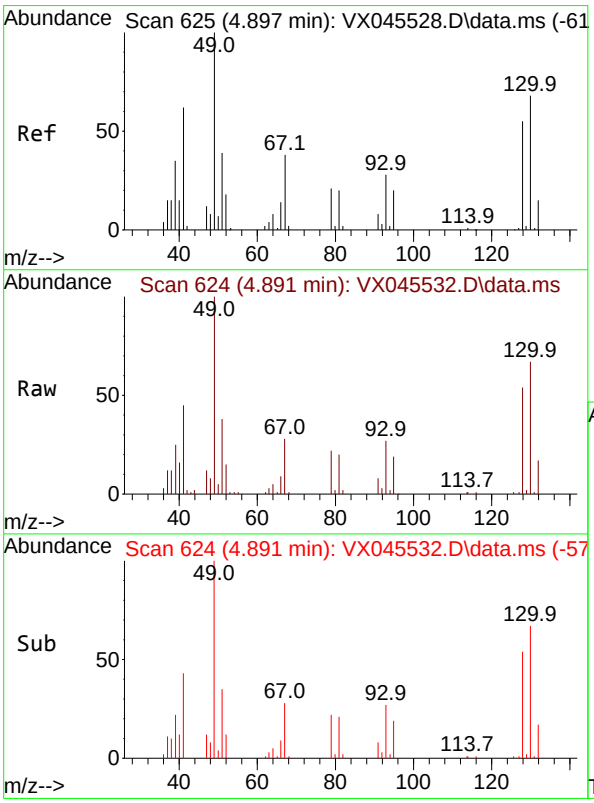
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	313.2
98	65.1	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

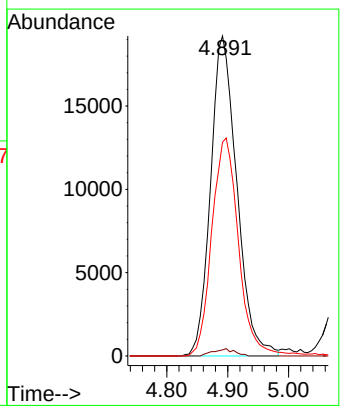
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

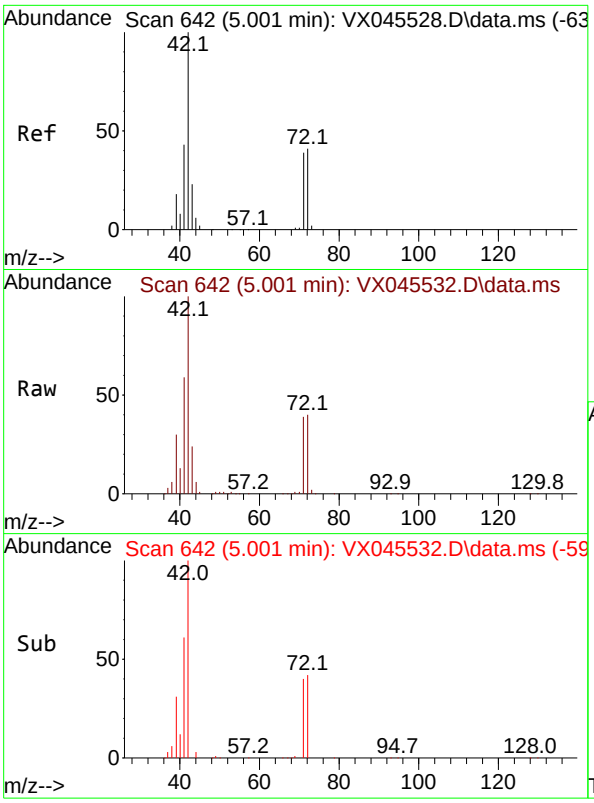


#28
Bromochloromethane
Concen: 48.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 49 Resp: 57557

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.3	54.6	81.8





#29
Tetrahydrofuran
Concen: 249.473 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

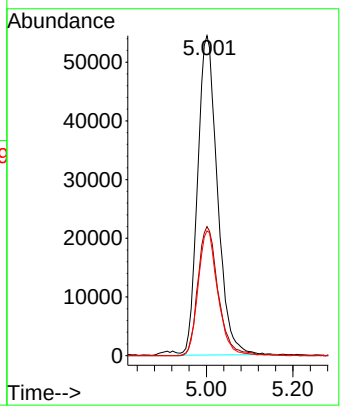
Tgt Ion: 42 Resp: 17240

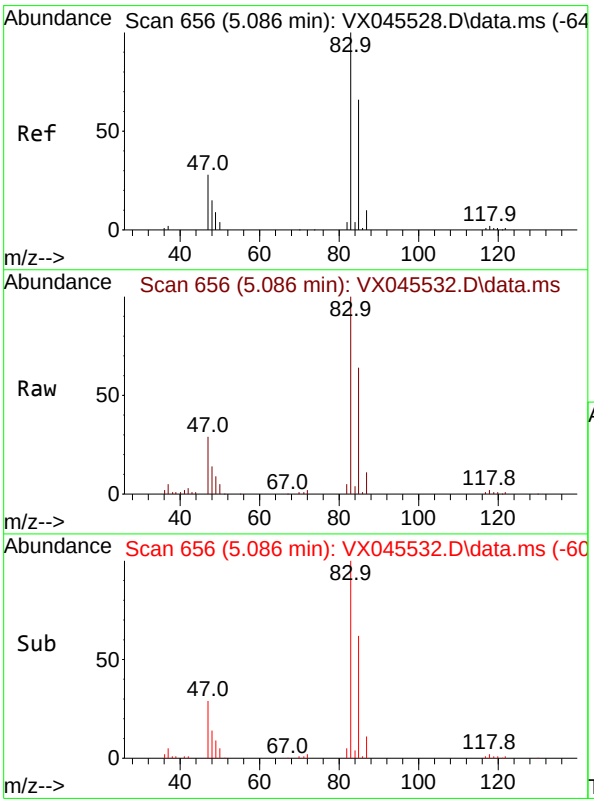
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

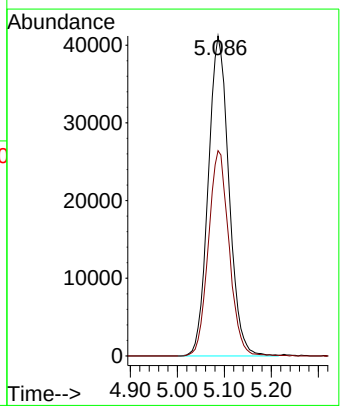


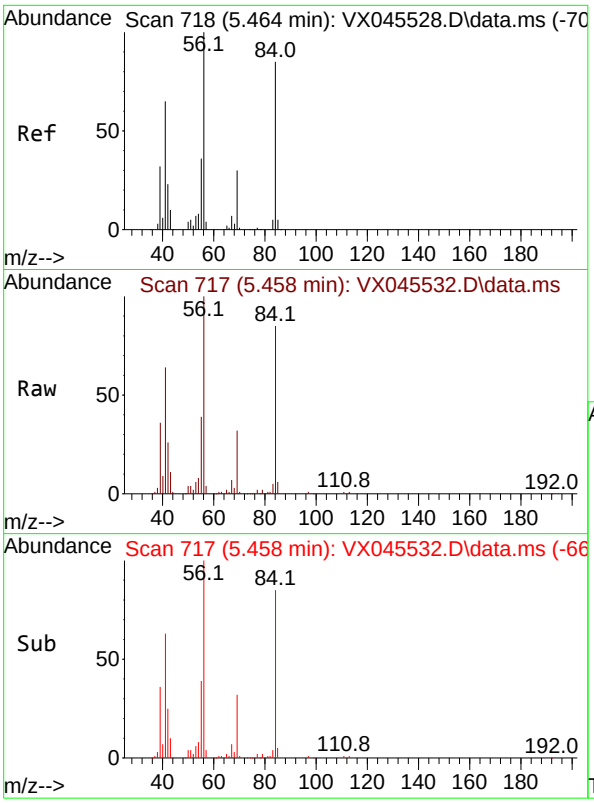


#30
Chloroform
Concen: 49.614 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 125621

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

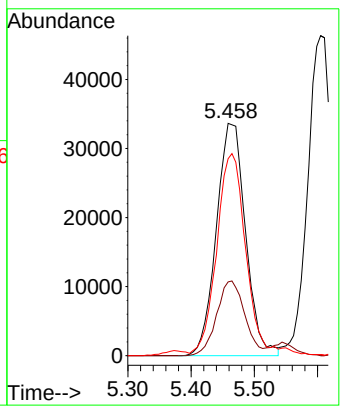




#31
Cyclohexane
Concen: 49.583 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 10786

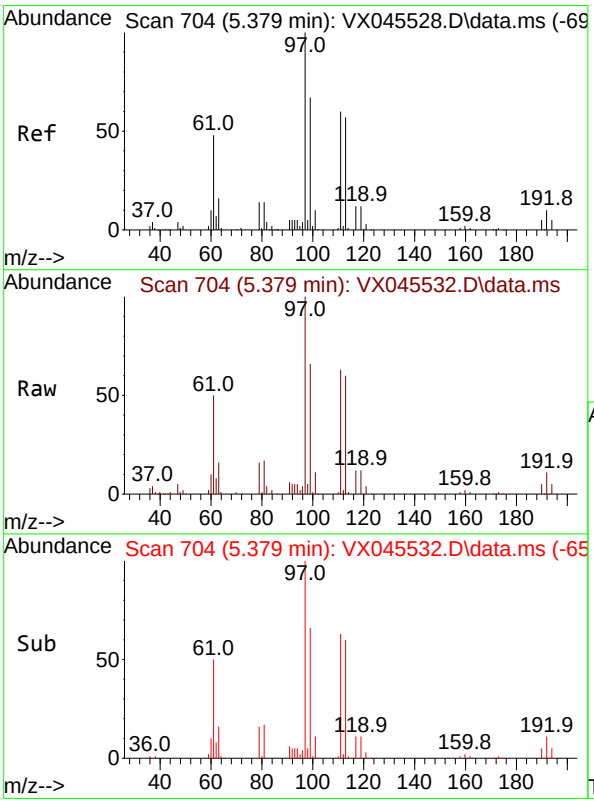
Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.6	35.4
84	82.7	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

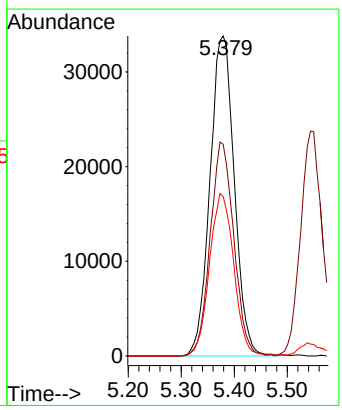
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

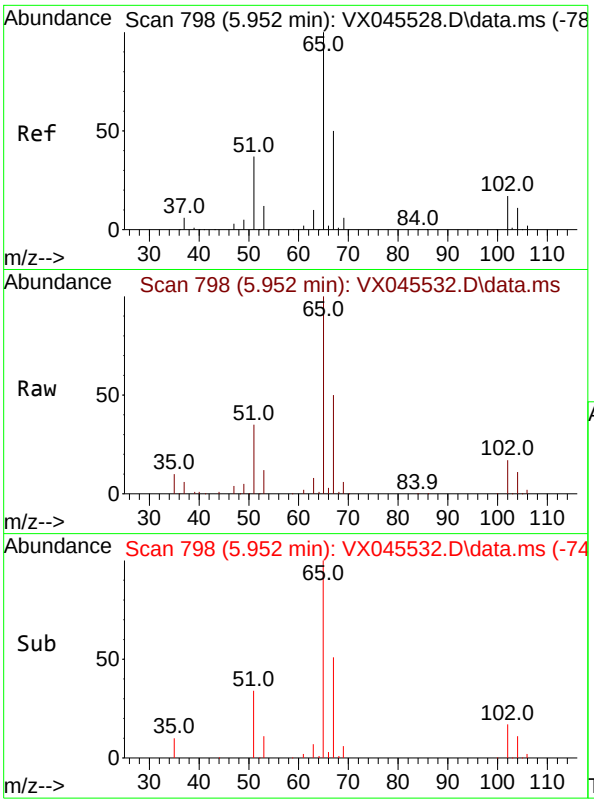


#32
1,1,1-Trichloroethane
Concen: 50.330 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 97 Resp: 107830

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	50.5	41.0	61.4

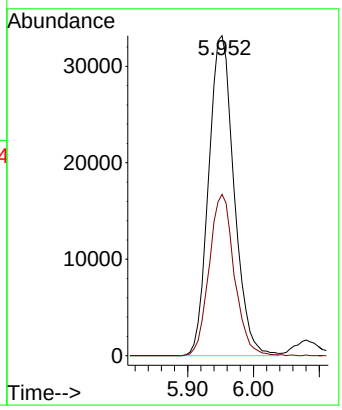




#33
1,2-Dichloroethane-d4
Concen: 50.329 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 65 Resp: 8925

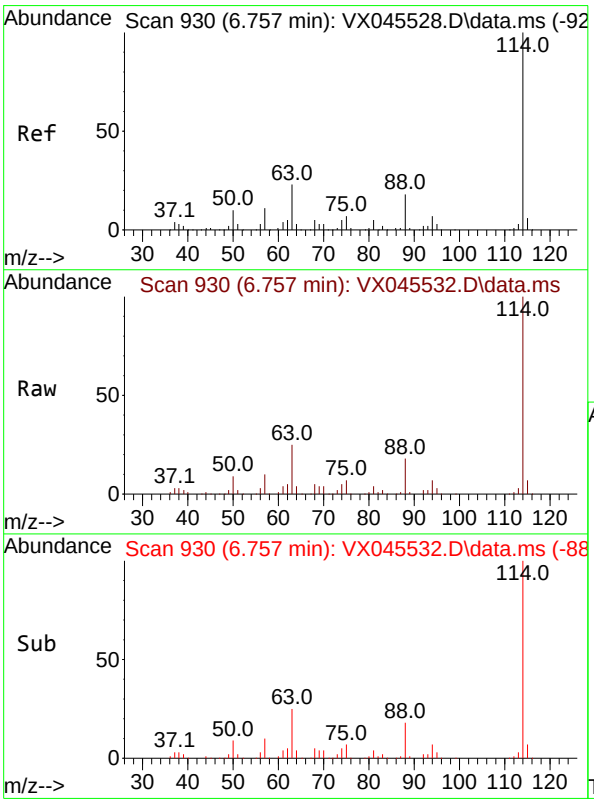
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

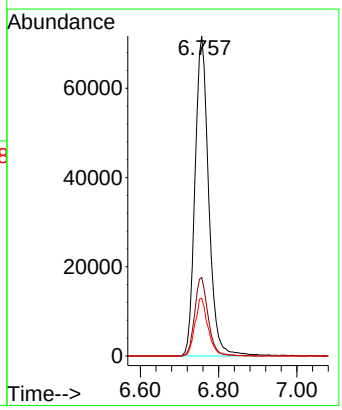
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

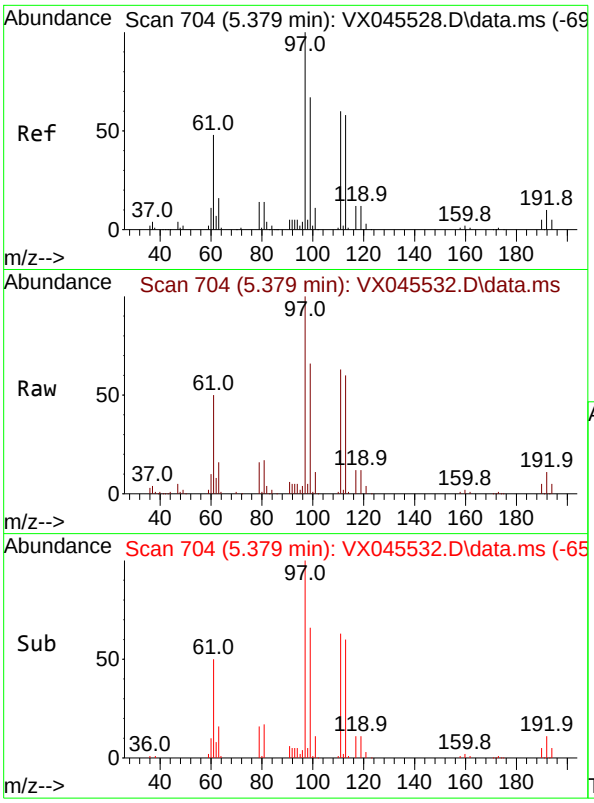


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:114 Resp: 174855

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.8
88	18.1	0.0	35.4

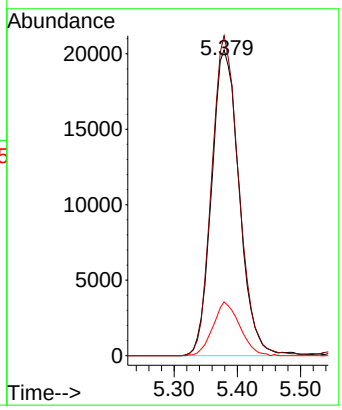




#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:113 Resp: 6110

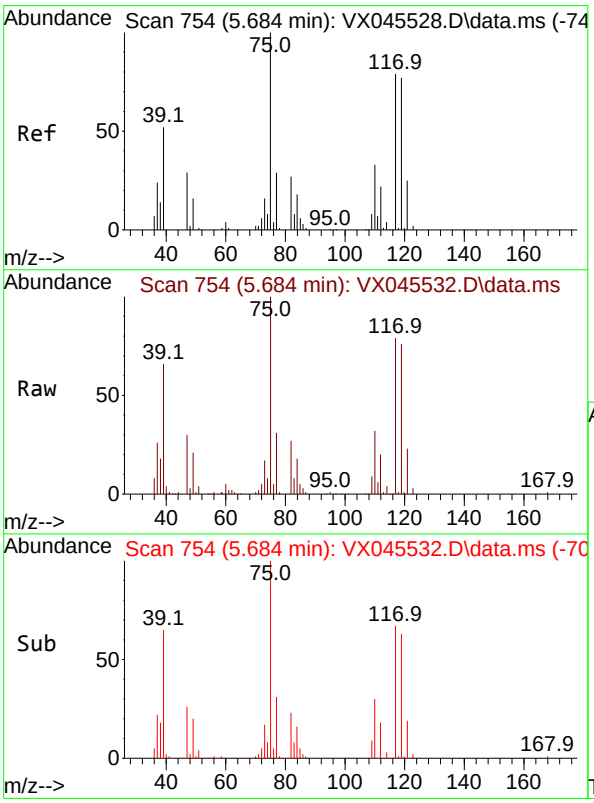
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

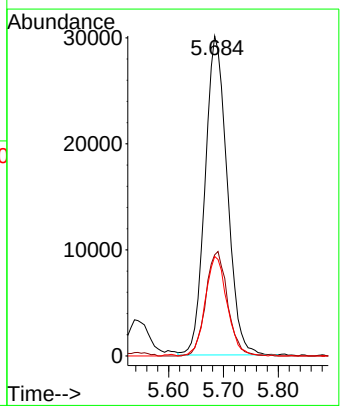
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

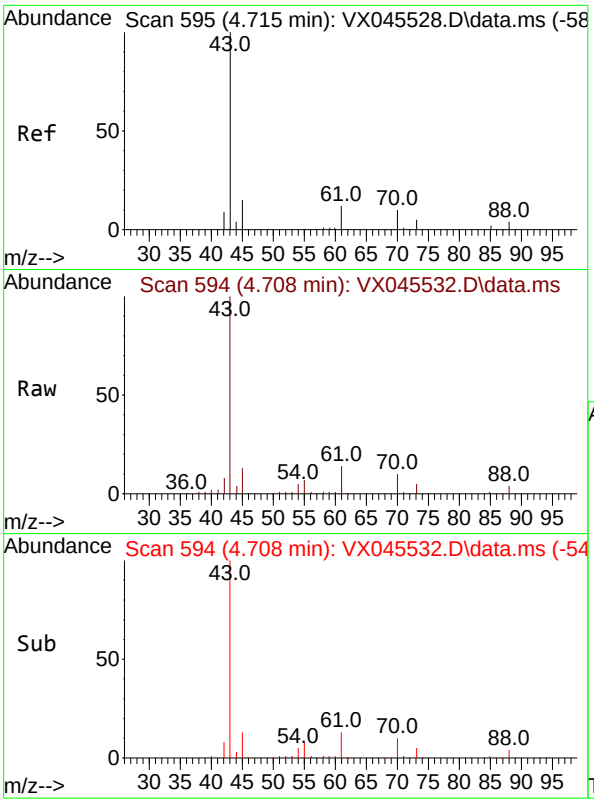


#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 83901

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.9	50.6
77	31.1	25.0	37.4

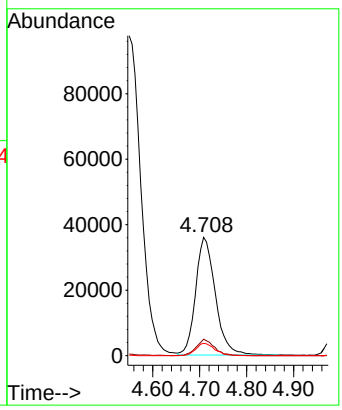




#37
Ethyl Acetate
Concen: 49.787 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 10509

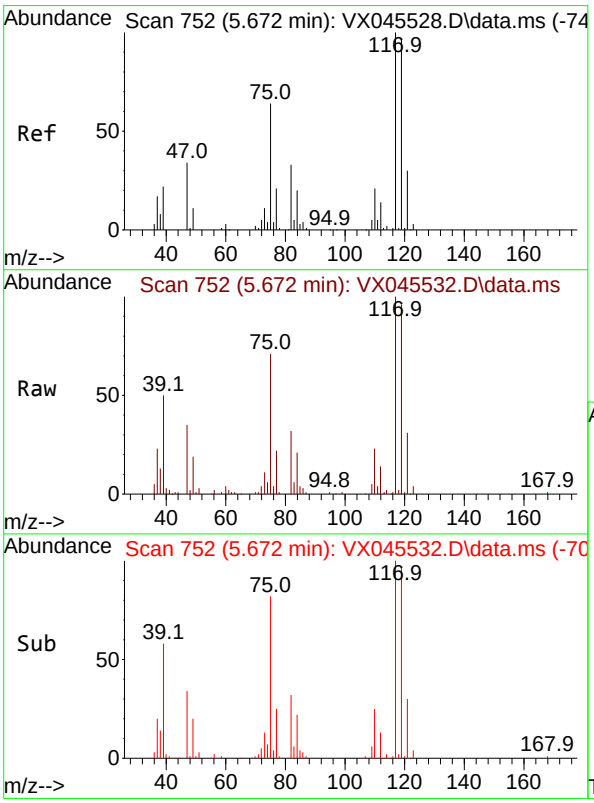
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

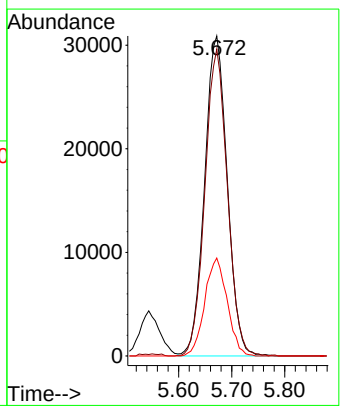
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

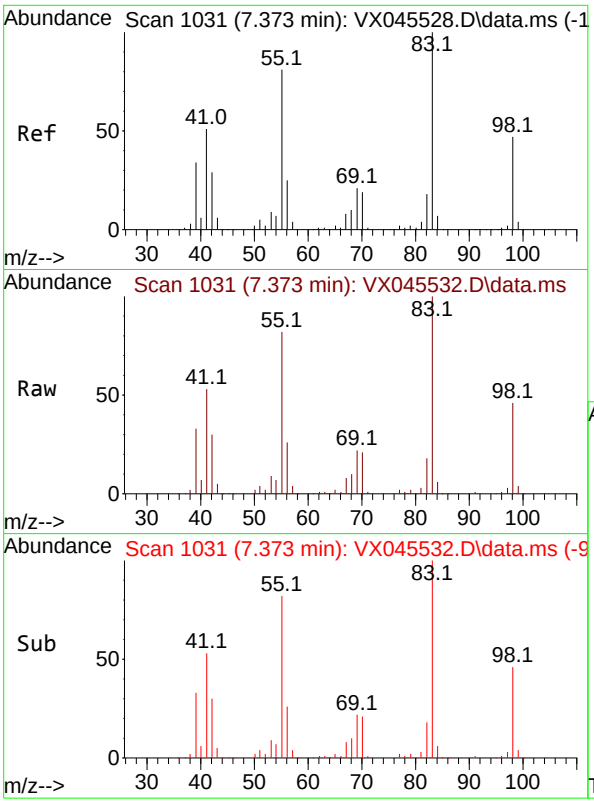


#38
Carbon Tetrachloride
Concen: 50.667 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 91723

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.6	24.2	36.2

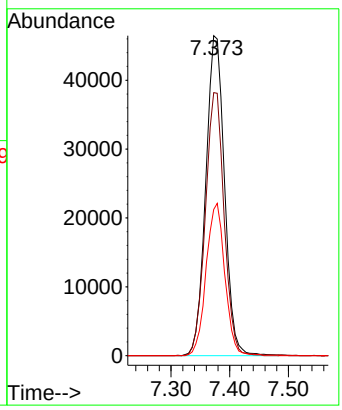




#39
Methylcyclohexane
Concen: 50.124 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 10291

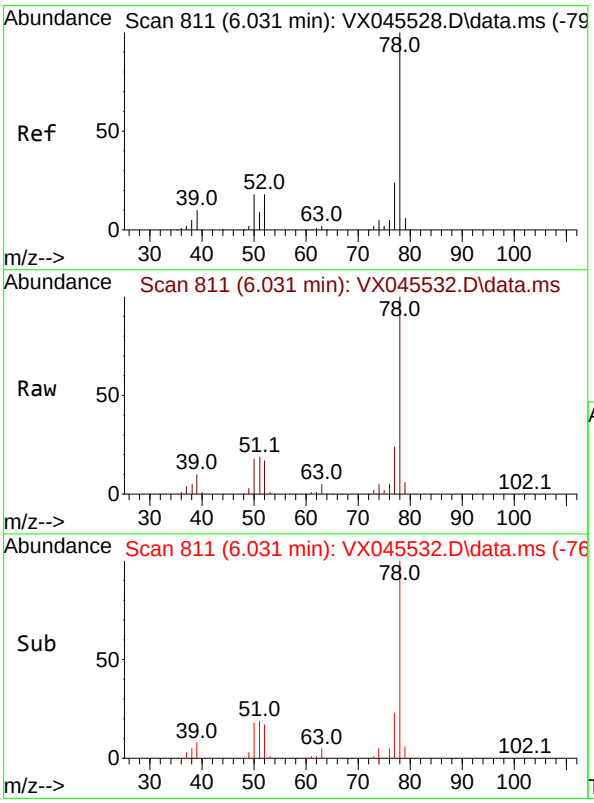
Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.9	97.3
98	45.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

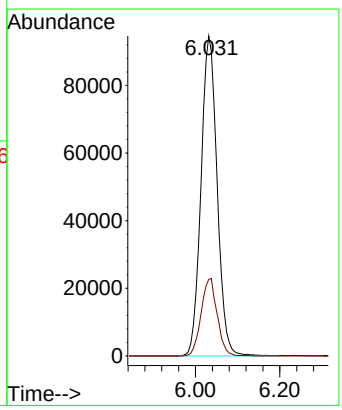
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

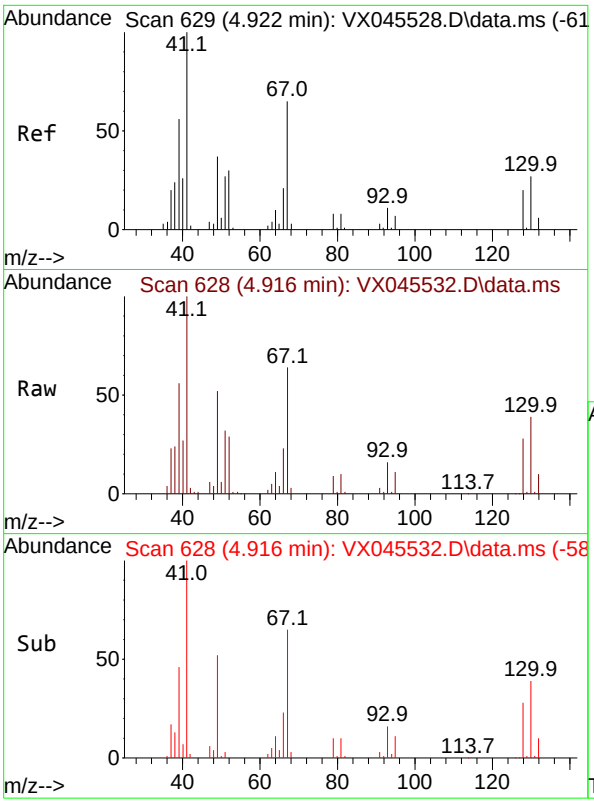


#40
Benzene
Concen: 49.212 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 78 Resp: 251758

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

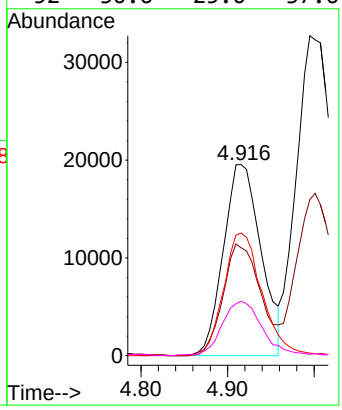




#41
Methacrylonitrile
Concen: 53.098 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 5914

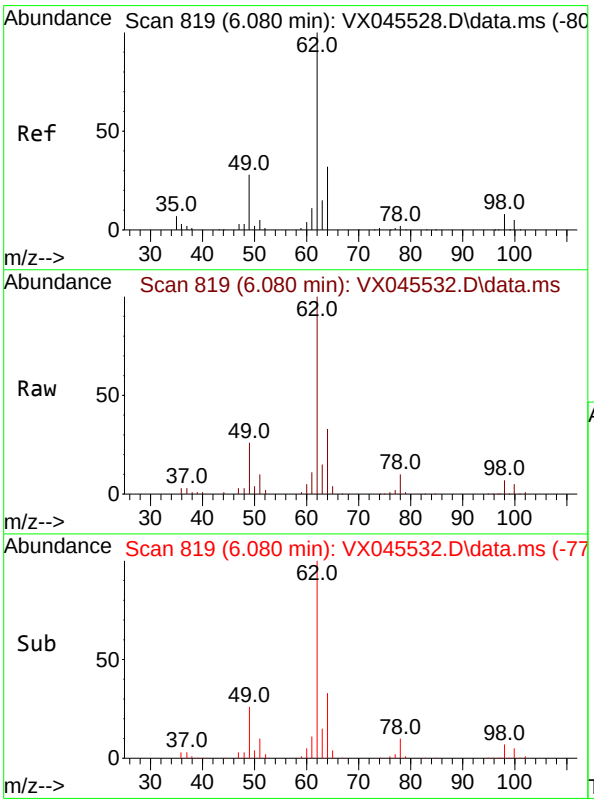
Ion	Ratio	Lower	Upper
41	100		
39	58.5	47.0	70.6
67	65.5	53.2	79.8
52	30.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

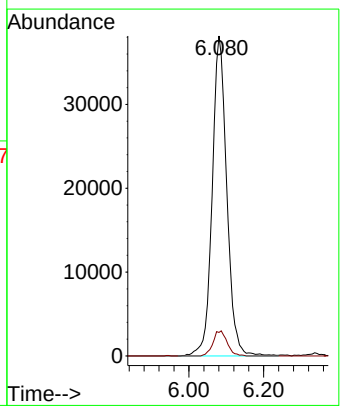
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

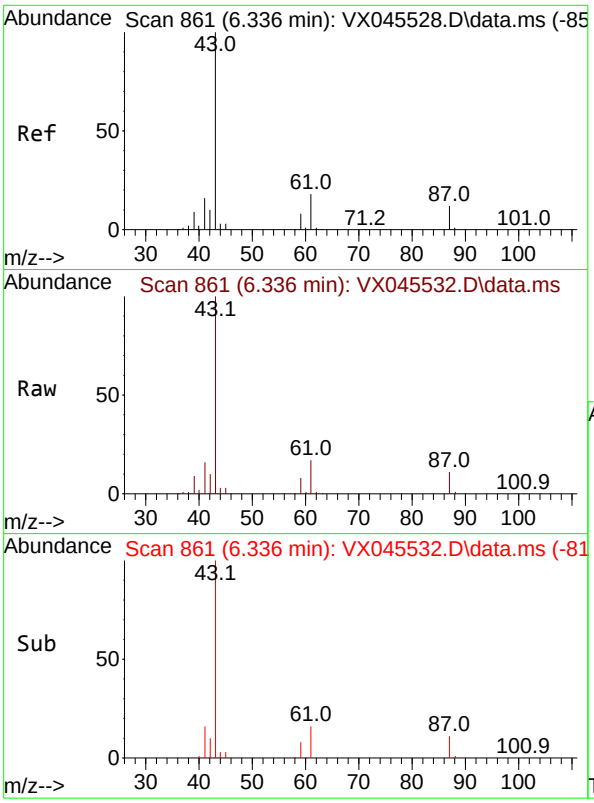


#42
1,2-Dichloroethane
Concen: 48.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 103270

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 51.539 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

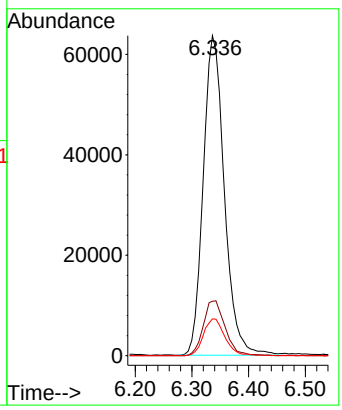
Tgt Ion: 43 Resp: 16489

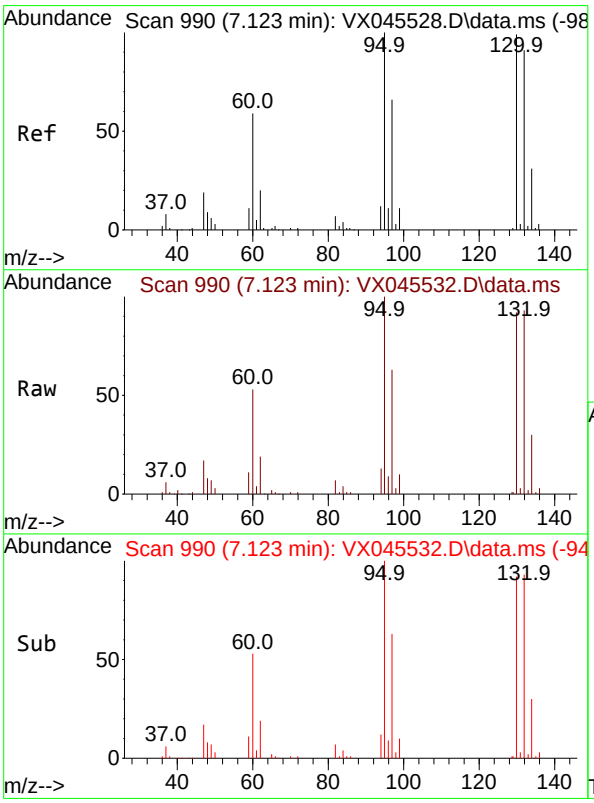
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.6	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

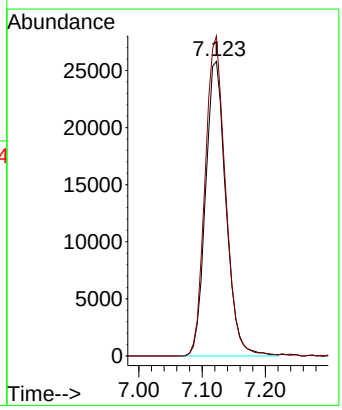


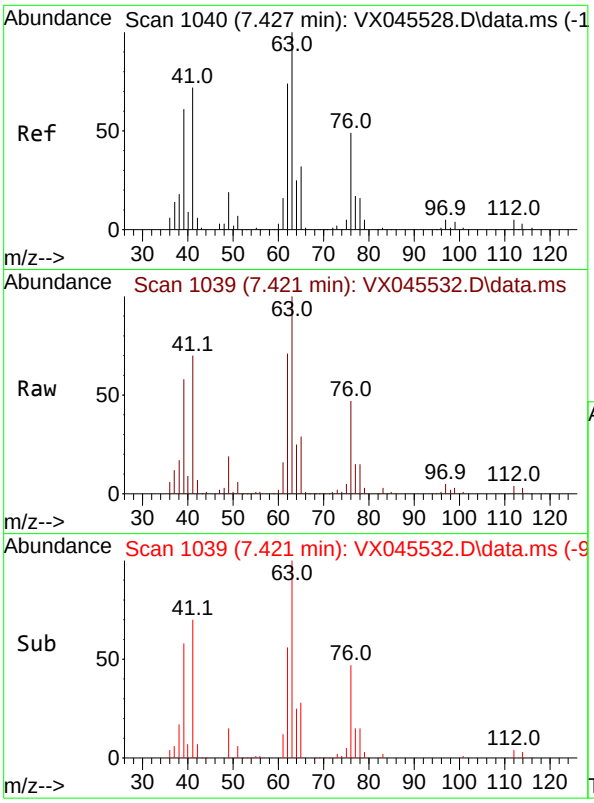


#44
Trichloroethene
Concen: 47.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:130 Resp: 57931

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0

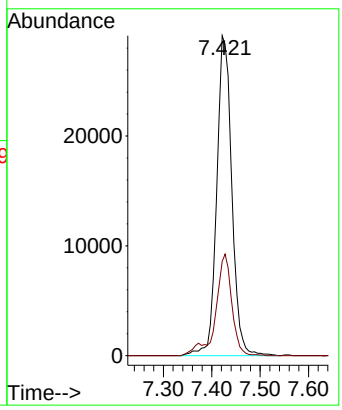




#45
1,2-Dichloropropane
Concen: 49.521 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 6321(

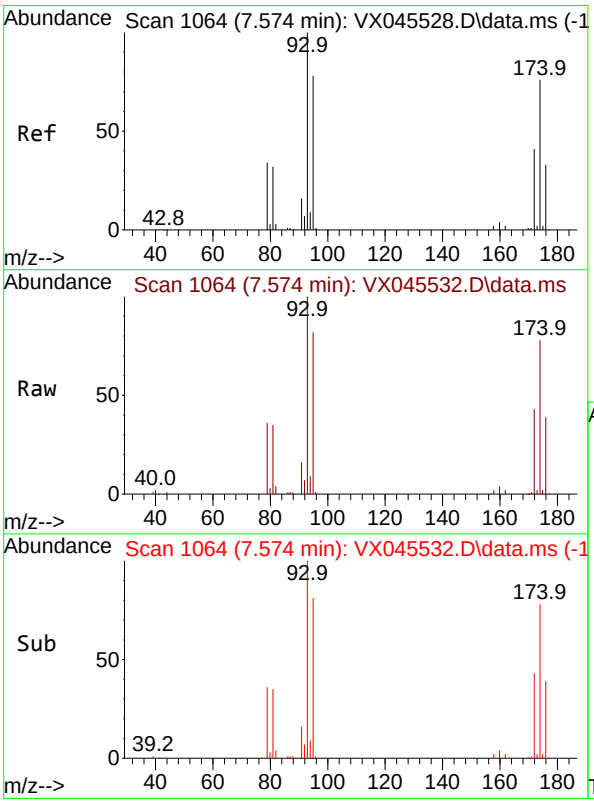
Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

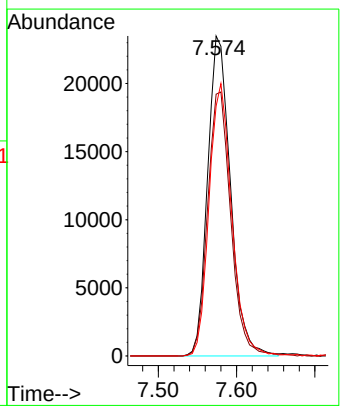
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

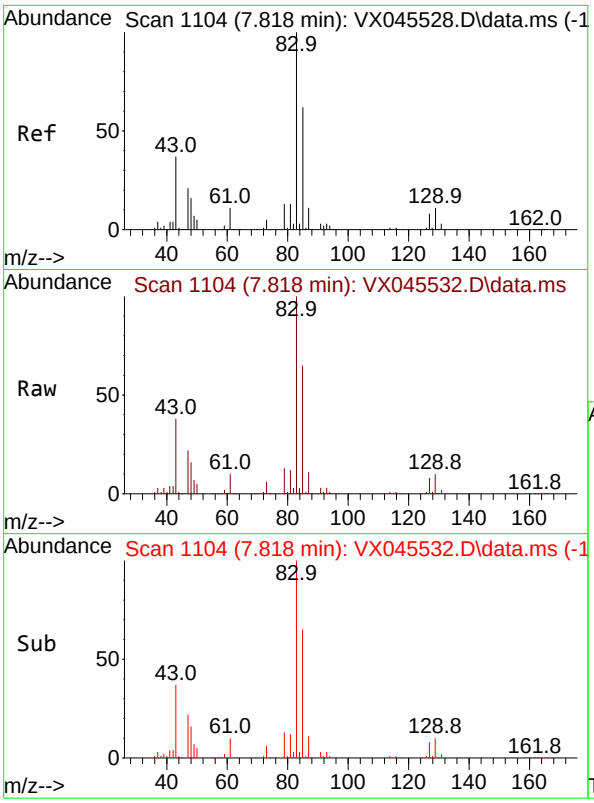


#46
Dibromomethane
Concen: 48.542 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 93 Resp: 47564

Ion	Ratio	Lower	Upper
93	100		
95	83.6	64.8	97.2
174	84.5	65.4	98.0

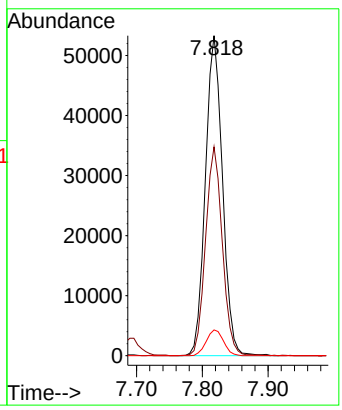




#47
Bromodichloromethane
Concen: 49.273 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9641

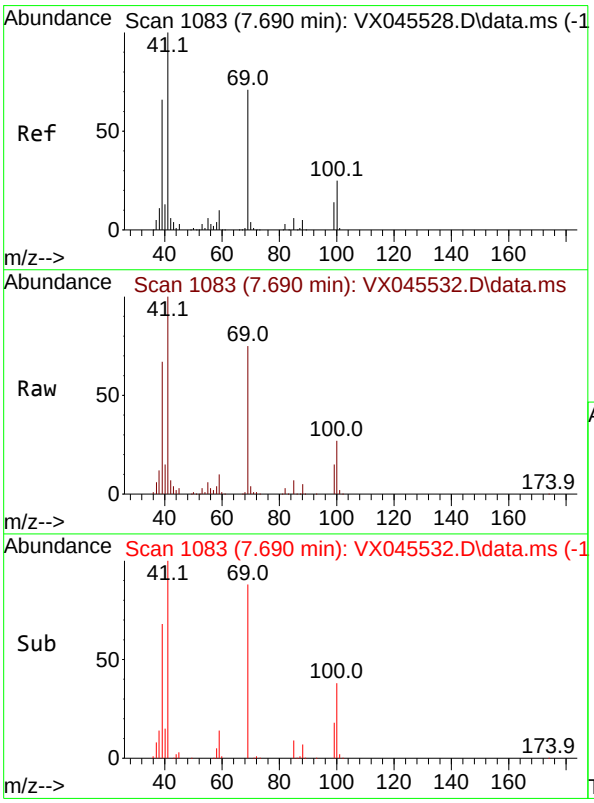
Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

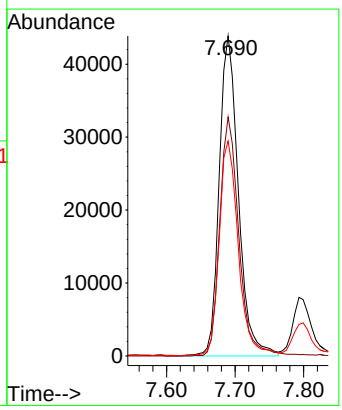
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

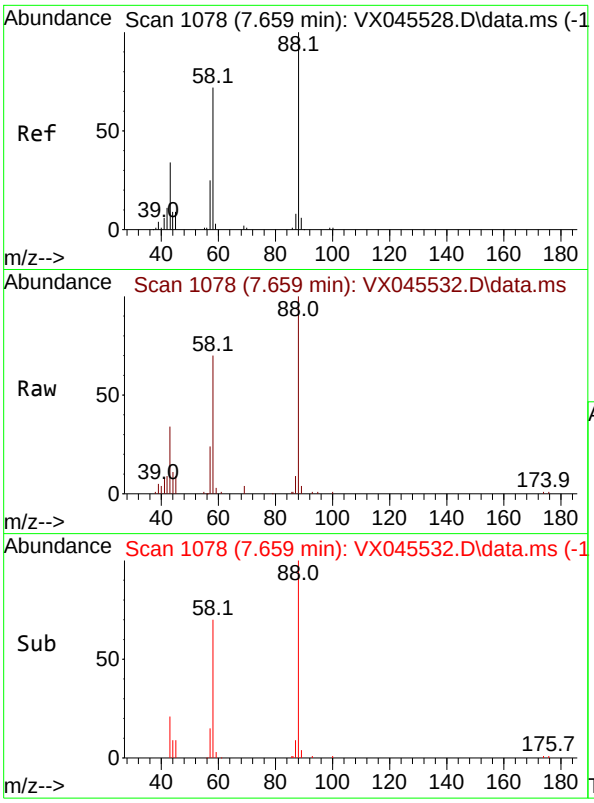


#48
Methyl methacrylate
Concen: 51.507 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 85084

Ion	Ratio	Lower	Upper
41	100		
69	74.5	58.2	87.2
39	67.3	53.6	80.4





#49
1,4-Dioxane
Concen: 955.327 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

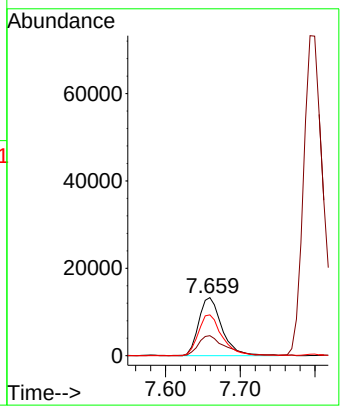
Tgt Ion: 88 Resp: 2855

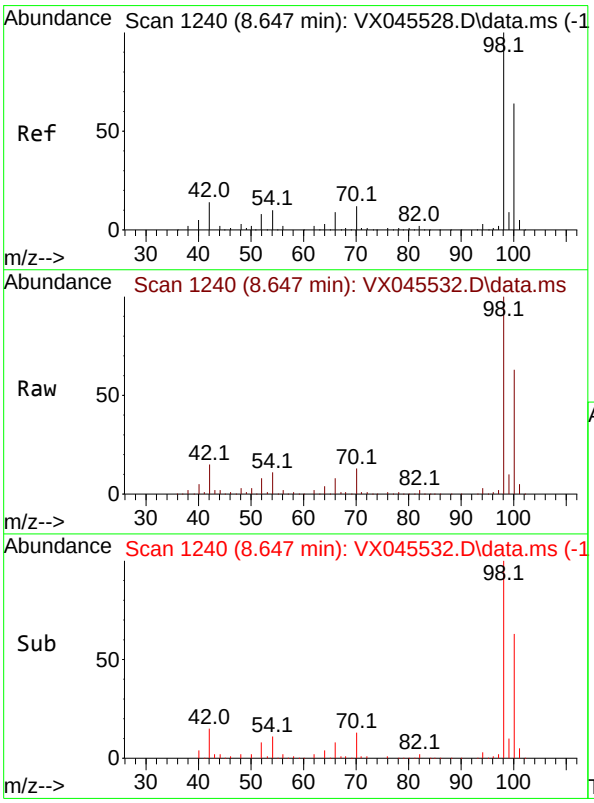
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	72.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

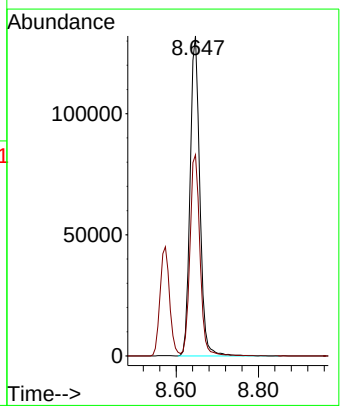


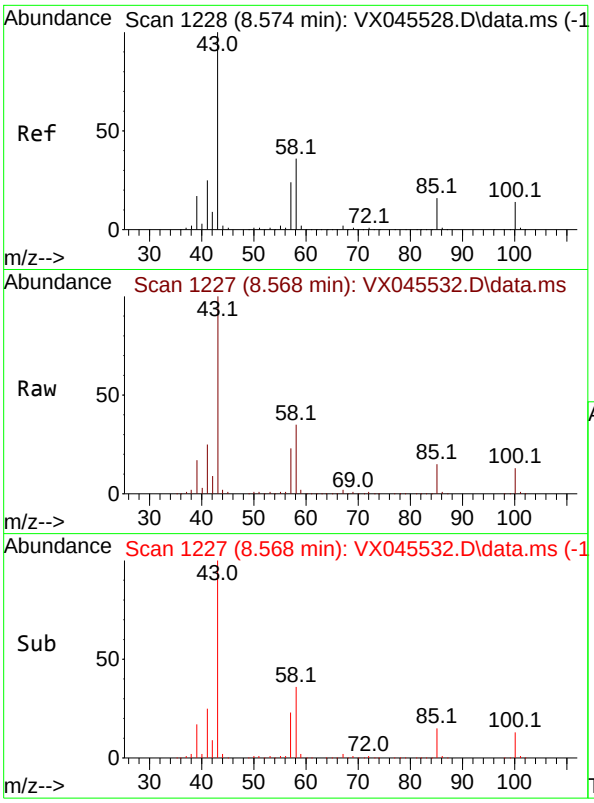


#50
Toluene-d8
Concen: 50.160 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 98 Resp: 217200

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

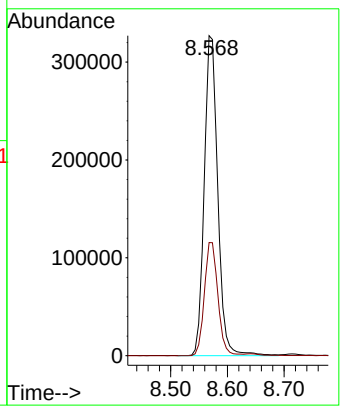




#51
4-Methyl-2-Pentanone
Concen: 254.994 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 54082

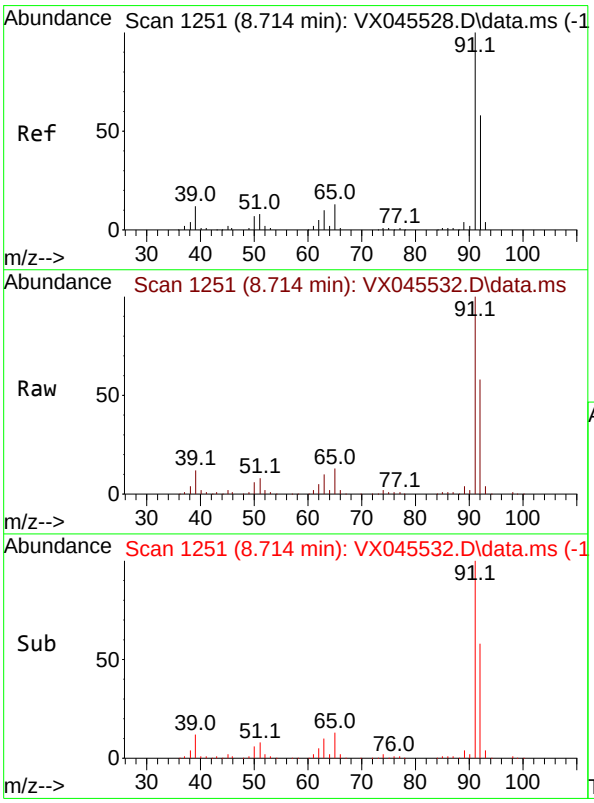
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

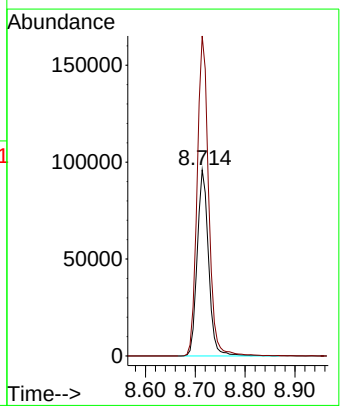
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

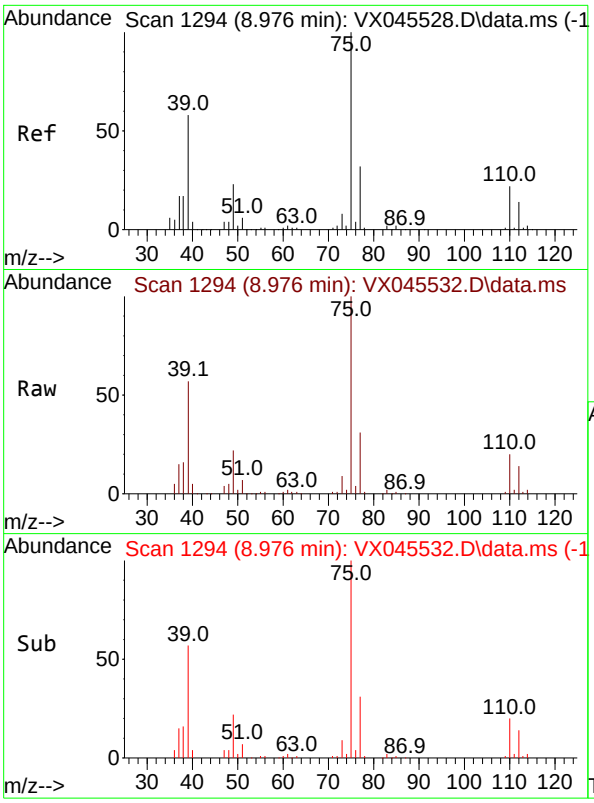


#52
Toluene
Concen: 48.994 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 92 Resp: 151664

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.7	208.1

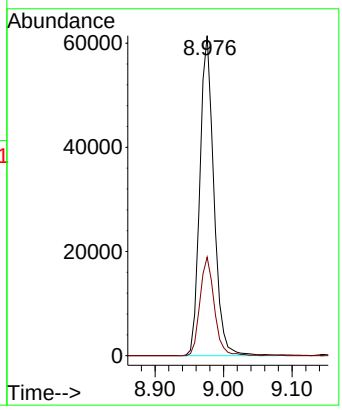




#53
t-1,3-Dichloropropene
Concen: 46.783 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 8774

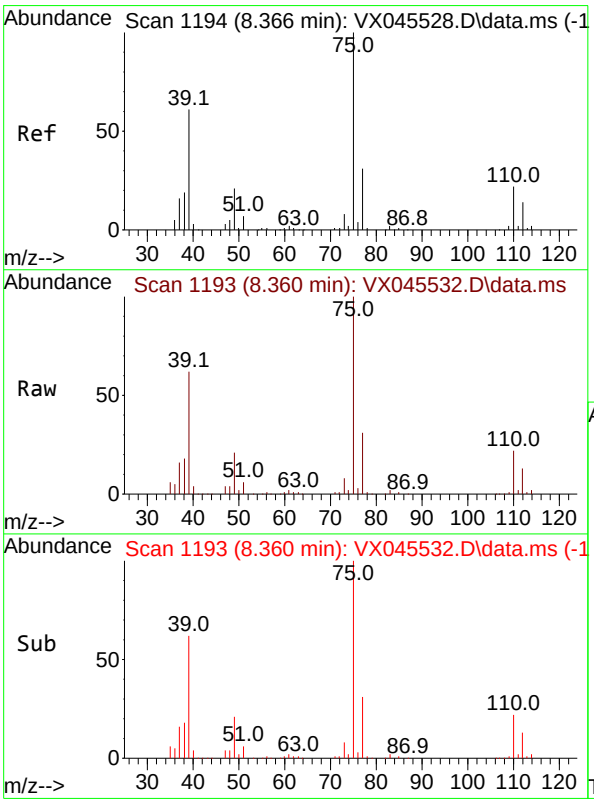
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

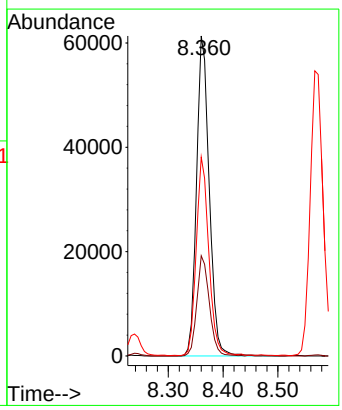
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

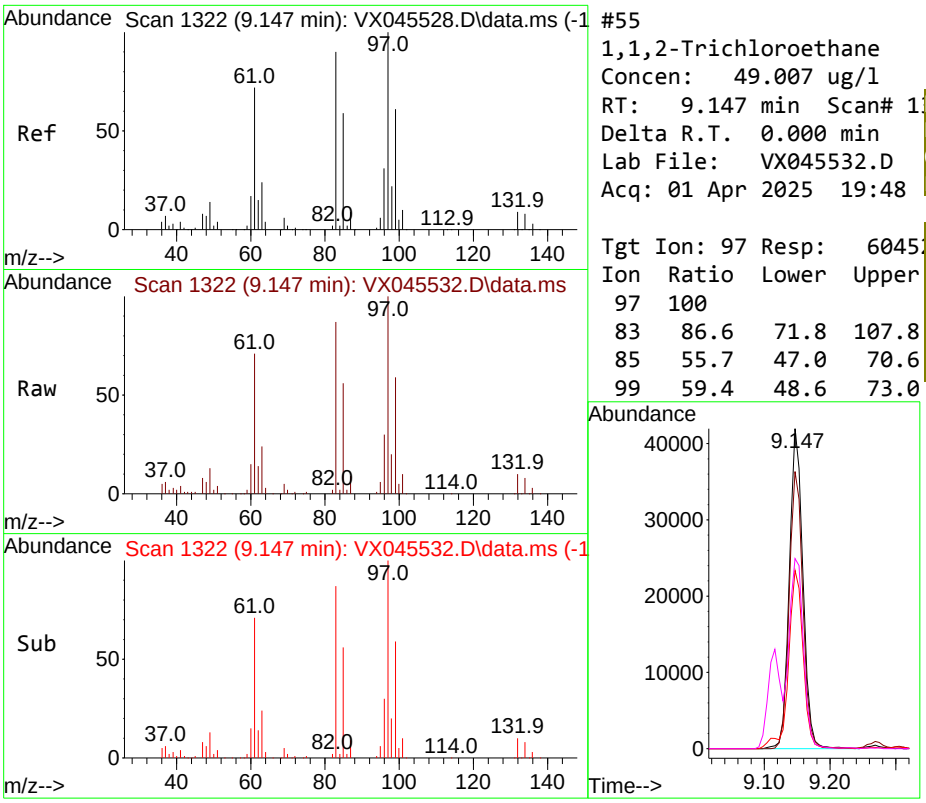


#54
cis-1,3-Dichloropropene
Concen: 53.878 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 99074

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	62.0	48.4	72.6





#55
1,1,2-Trichloroethane
Concen: 49.007 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

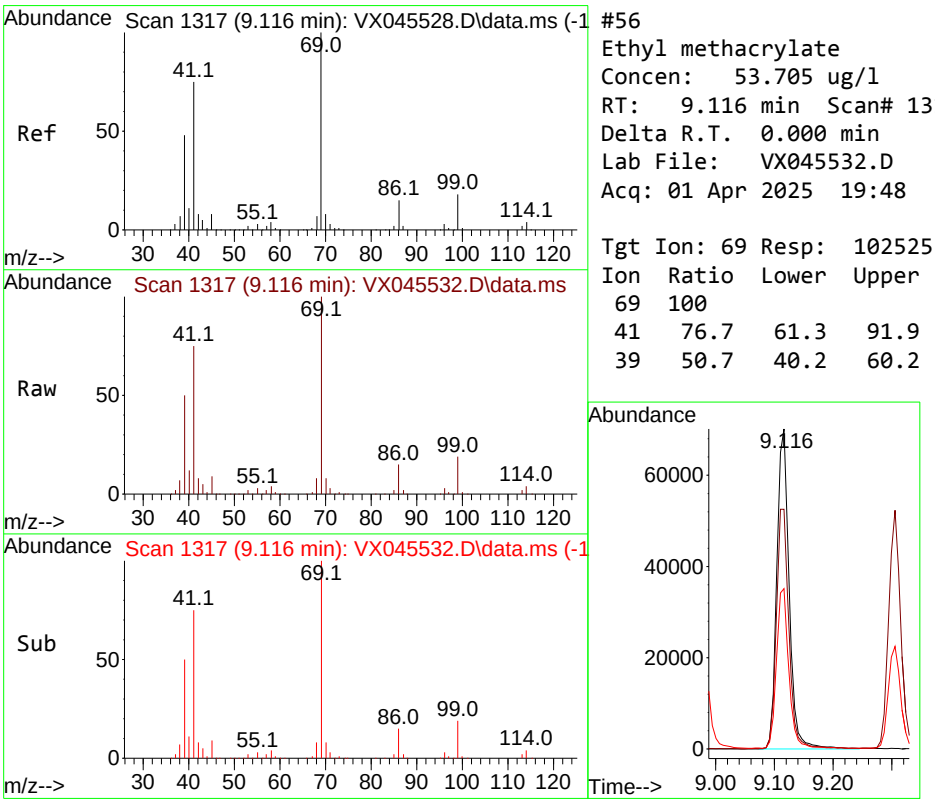
Tgt Ion: 97 Resp: 6045

Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.8	107.8
85	55.7	47.0	70.6
99	59.4	48.6	73.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

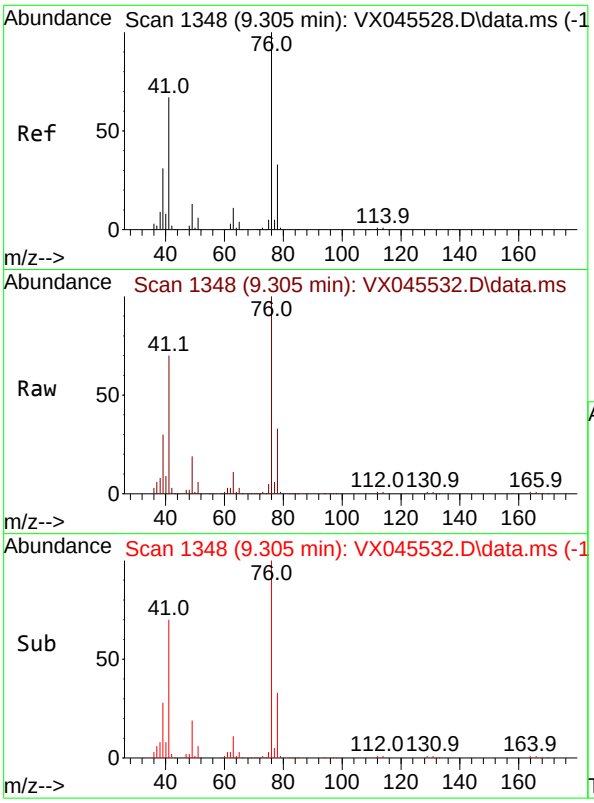
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 53.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 69 Resp: 102525

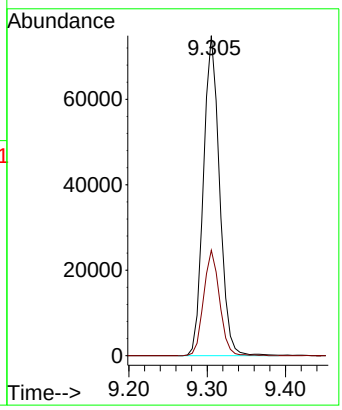
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.3	91.9
39	50.7	40.2	60.2



#57
1,3-Dichloropropane
Concen: 49.869 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 10712

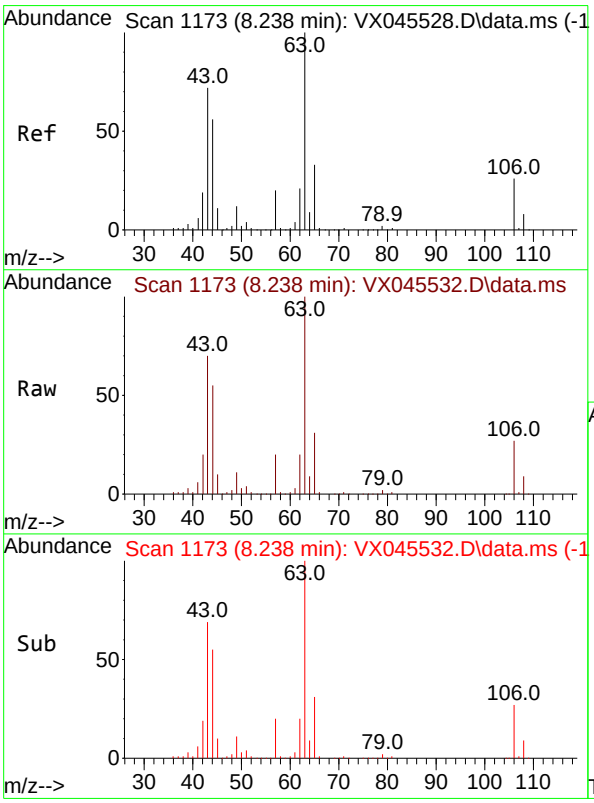
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

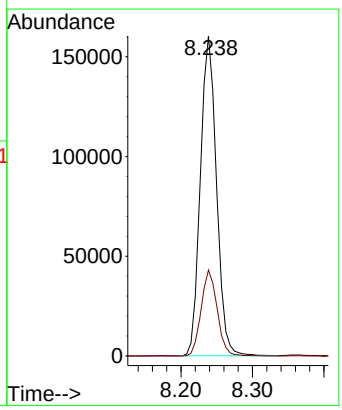
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

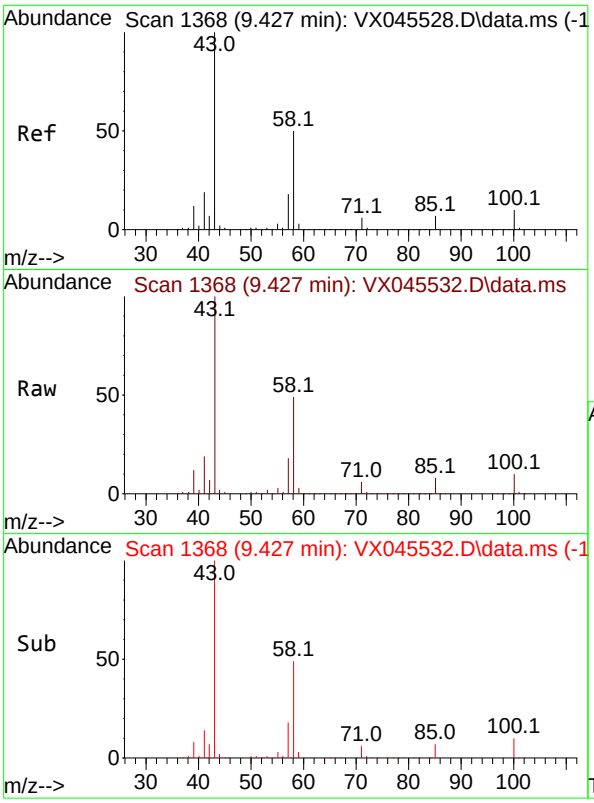


#58
2-Chloroethyl Vinyl ether
Concen: 260.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 251285

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6

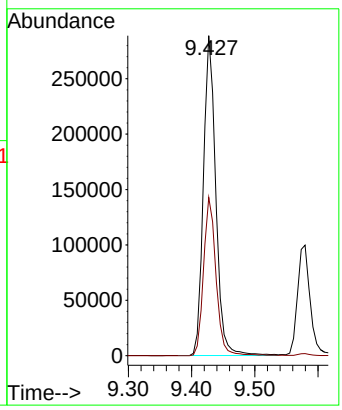




#59
2-Hexanone
Concen: 251.710 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 39533

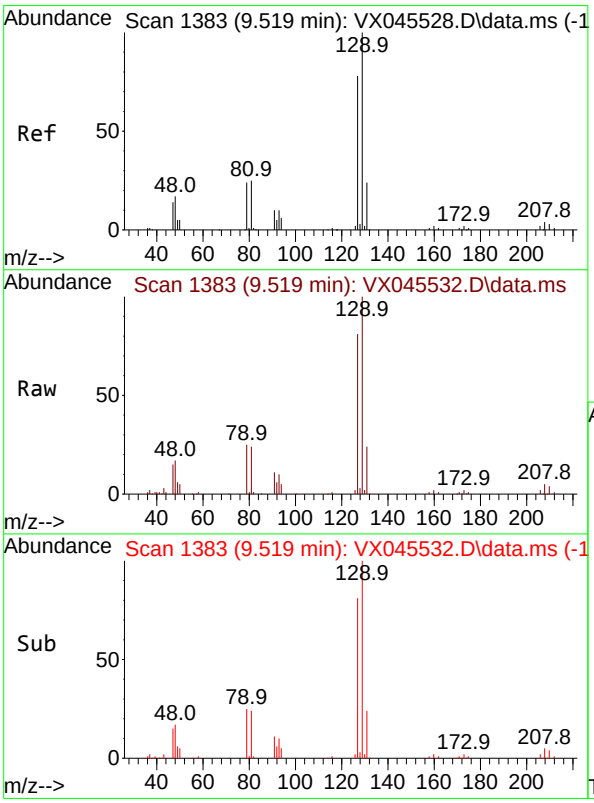
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

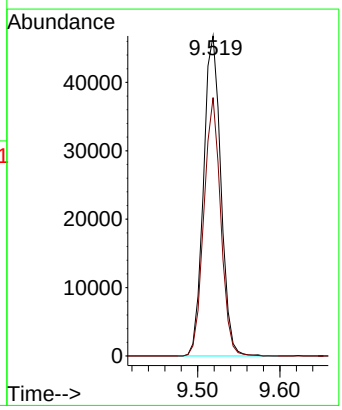
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

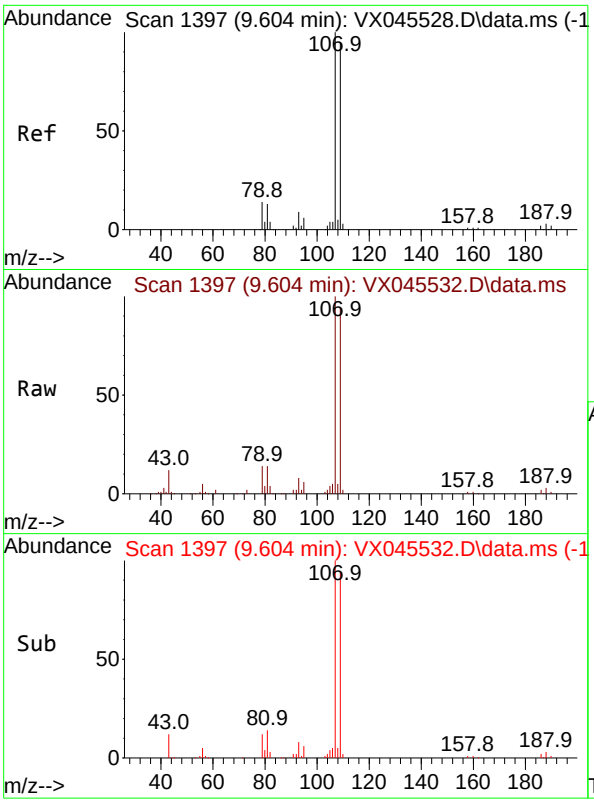


#60
Dibromochloromethane
Concen: 50.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:129 Resp: 68562

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2

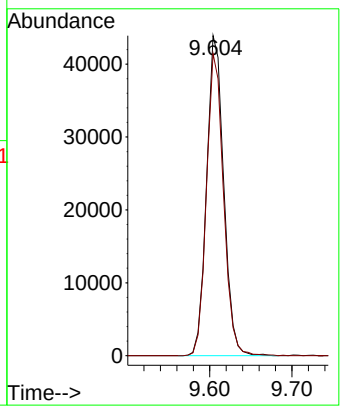




#61
1,2-Dibromoethane
Concen: 50.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:107 Resp: 6330

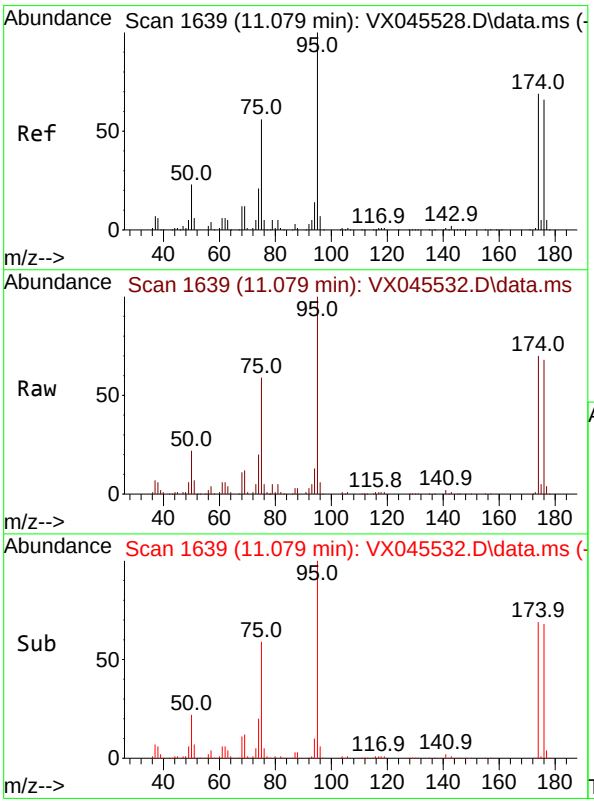
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

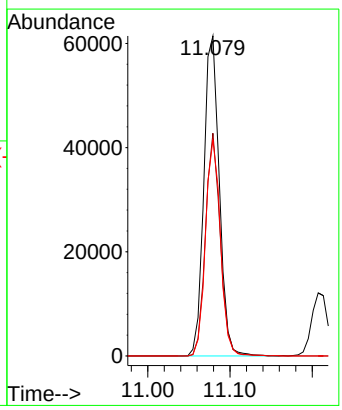
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

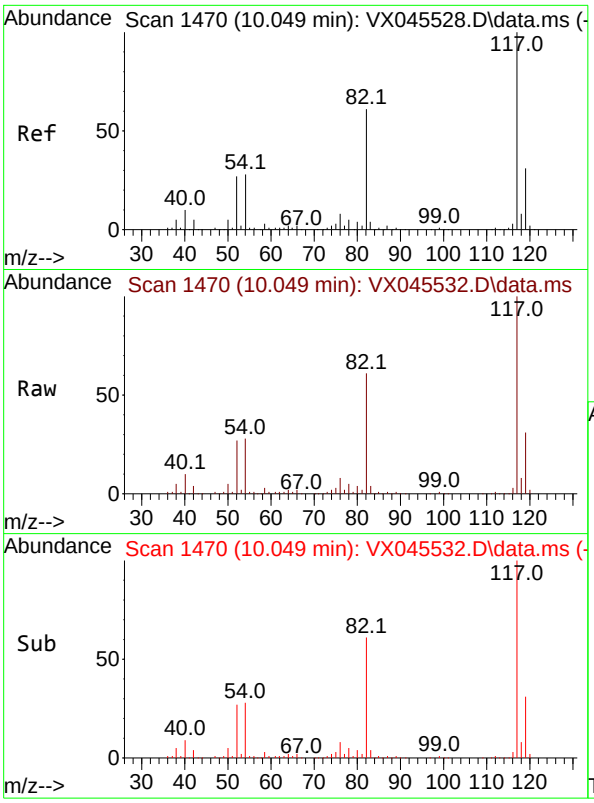


#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 95 Resp: 80376

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	135.8
176	65.2	0.0	131.4

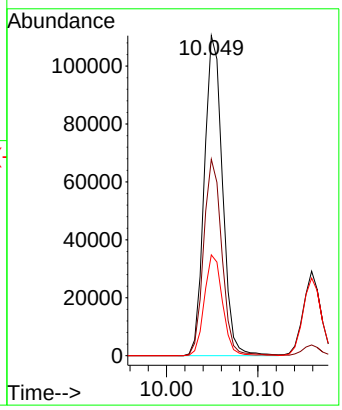




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 15241

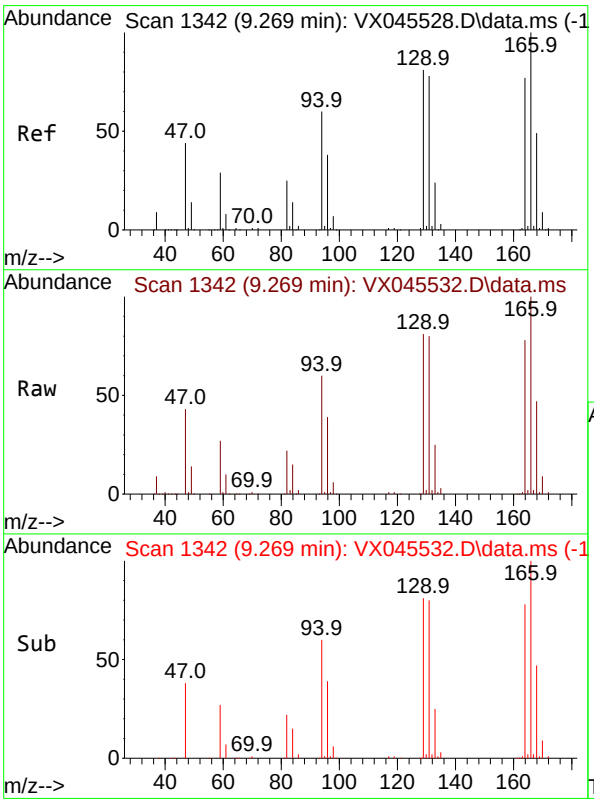
Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

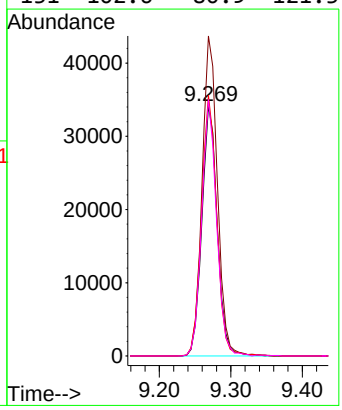
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

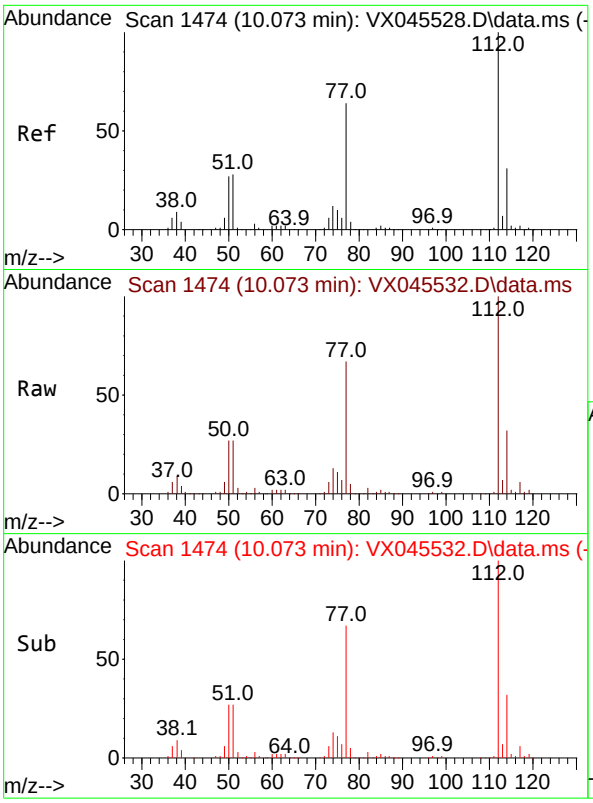


#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:164 Resp: 50834

Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.8	155.8
129	104.3	84.3	126.5
131	102.6	80.9	121.3

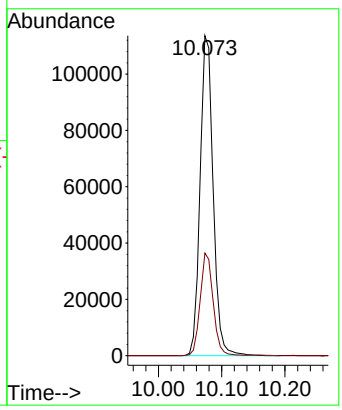




#65
Chlorobenzene
Concen: 50.207 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:112 Resp: 16351

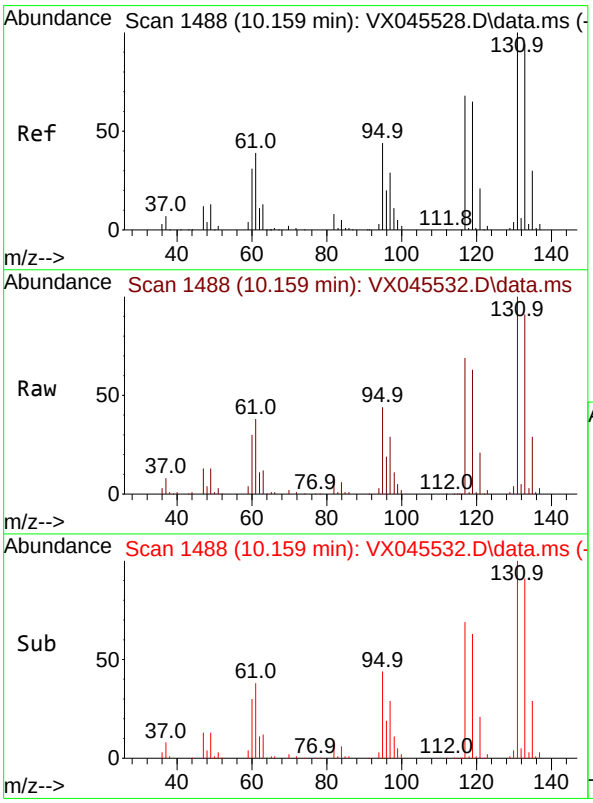
Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

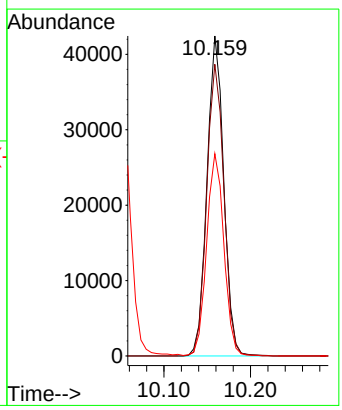
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

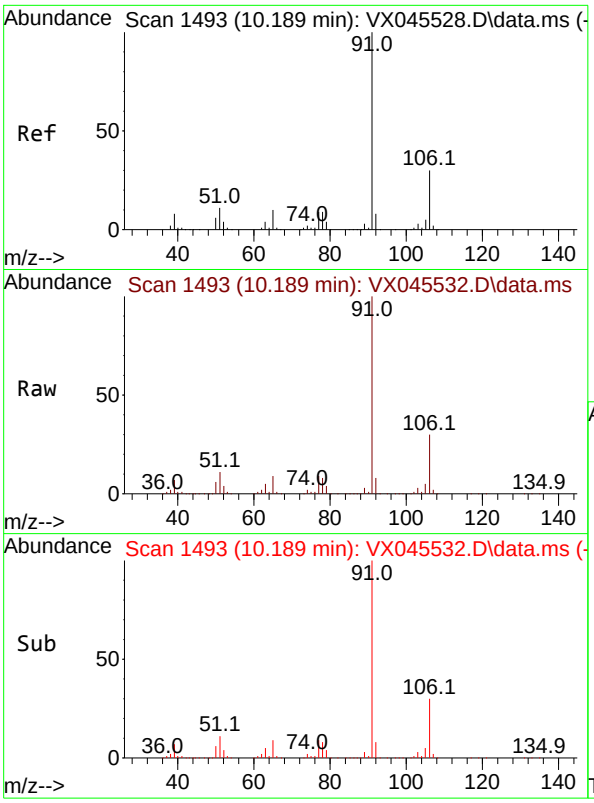


#66
1,1,1,2-Tetrachloroethane
Concen: 50.495 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:131 Resp: 57096

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.5	142.5
119	65.0	32.9	98.6

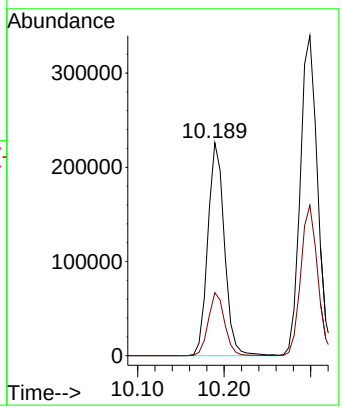




#67
Ethyl Benzene
Concen: 51.558 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 30074

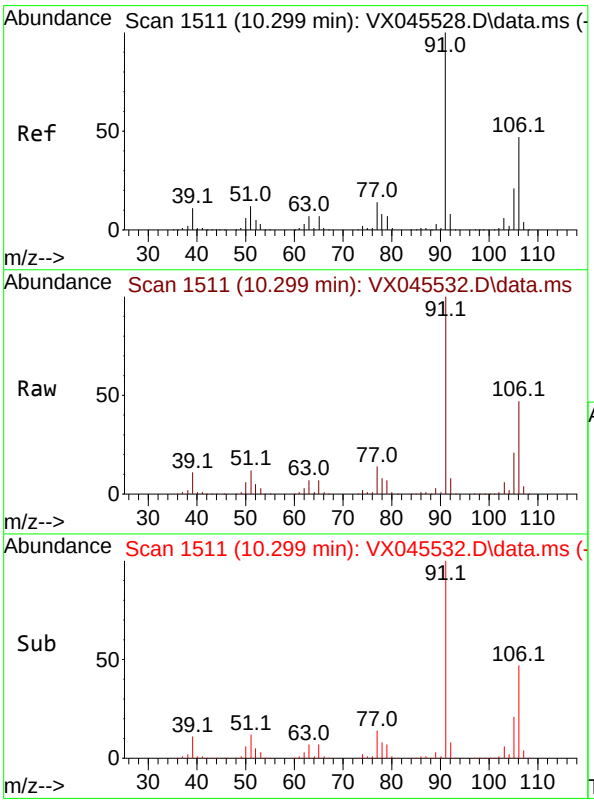
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

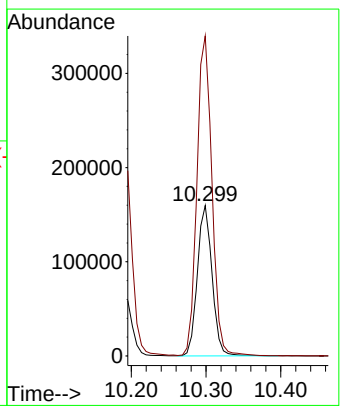
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

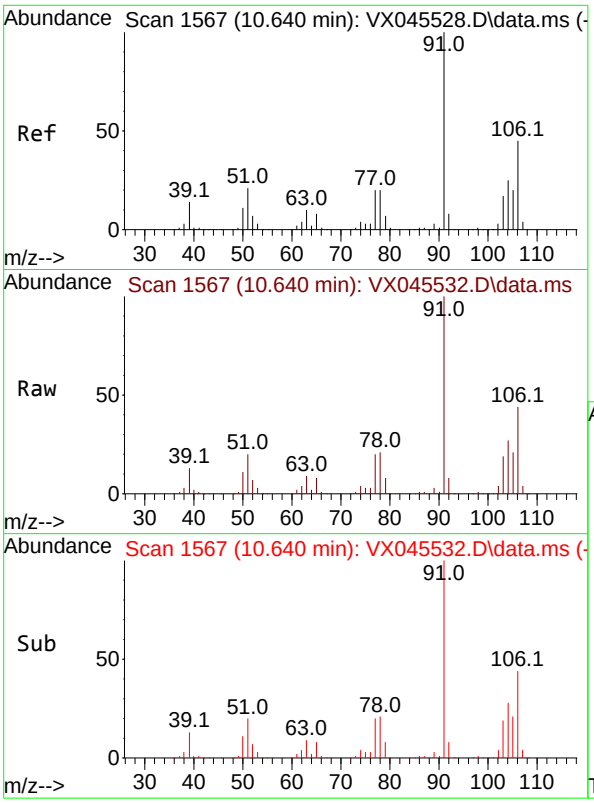


#68
m/p-Xylenes
Concen: 102.728 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 217943

Ion	Ratio	Lower	Upper
106	100		
91	217.6	172.6	258.8

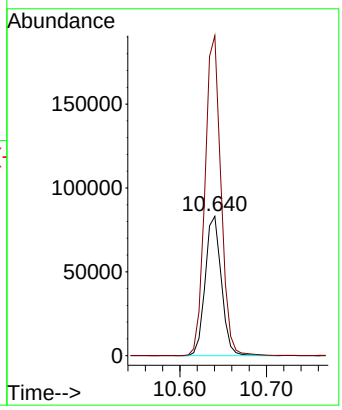




#69
o-Xylene
Concen: 51.650 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 10794

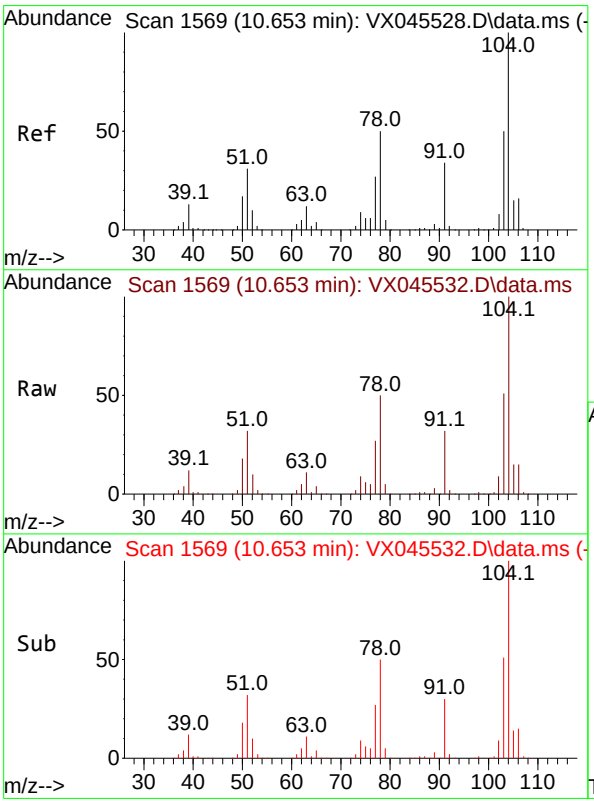
Ion	Ratio	Lower	Upper
106	100		
91	226.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

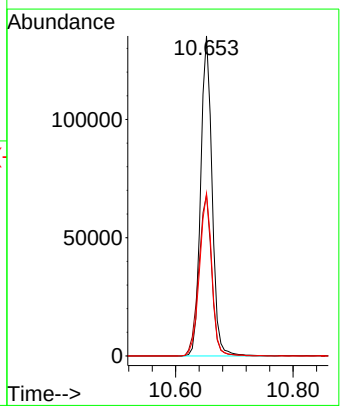
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

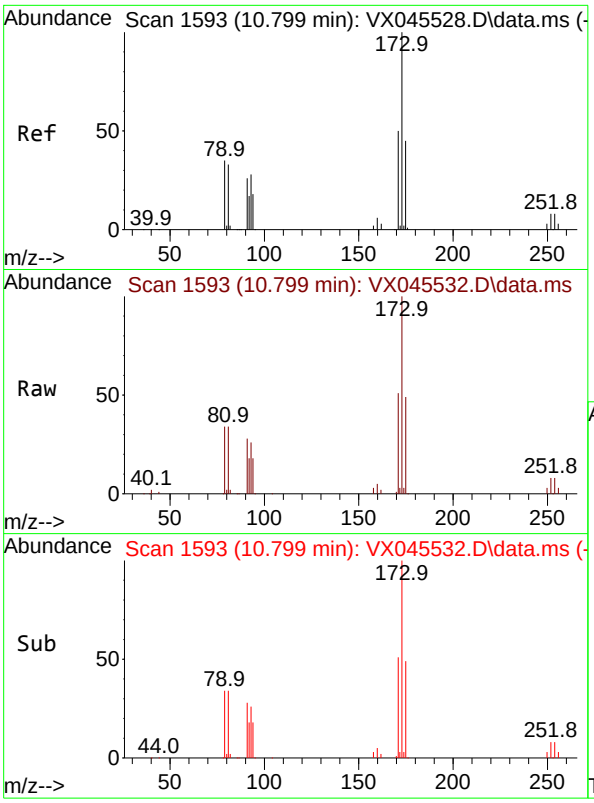


#70
Styrene
Concen: 52.624 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:104 Resp: 181524

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	55.2	43.8	65.8

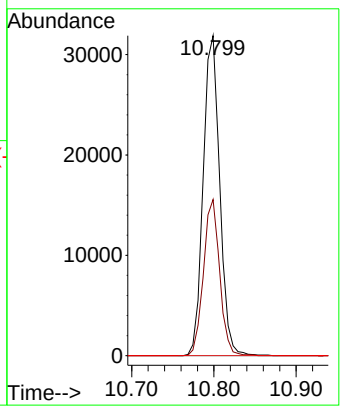




#71
Bromoform
Concen: 52.694 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:173 Resp: 4448

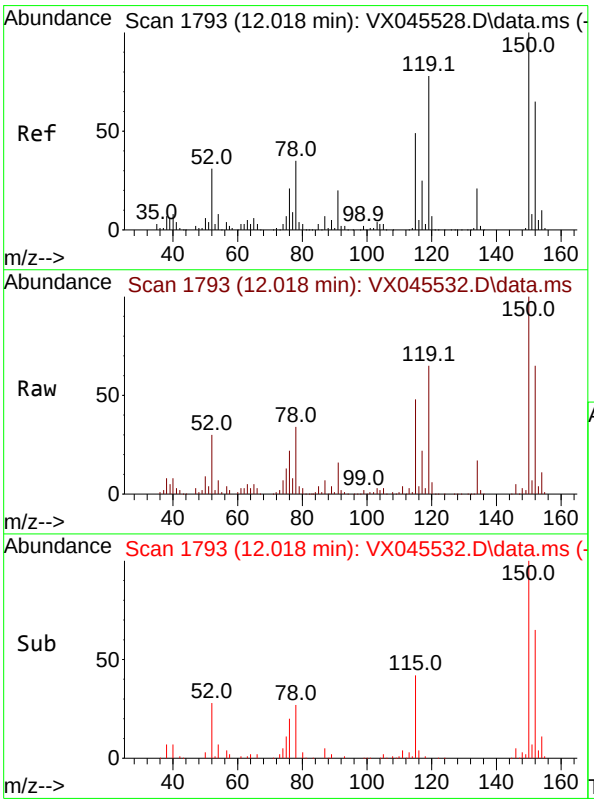
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

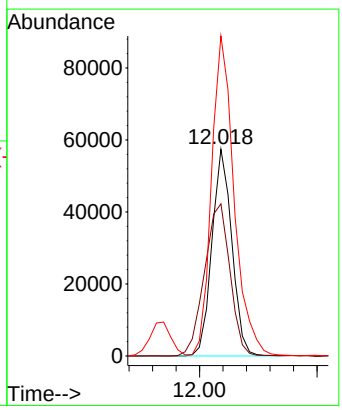
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

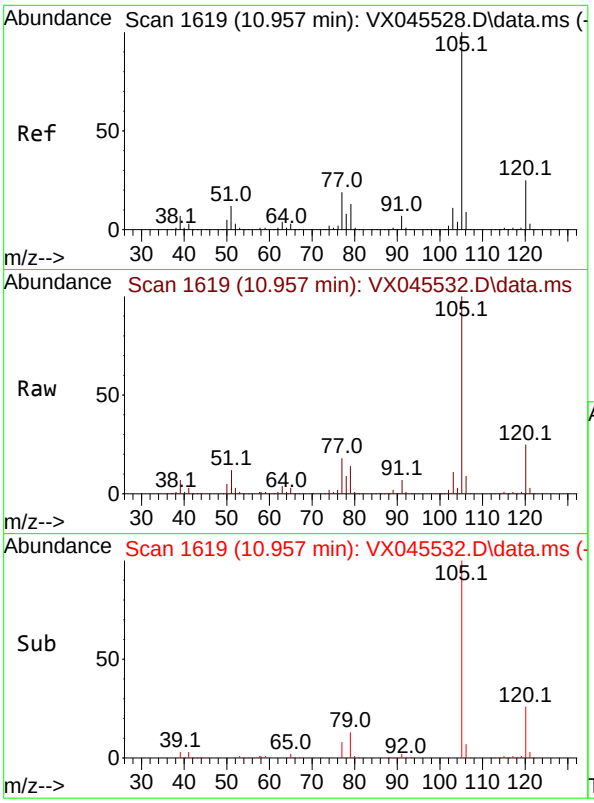


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:152 Resp: 67633

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	175.4	0.0	349.4





#73
Isopropylbenzene
Concen: 52.794 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

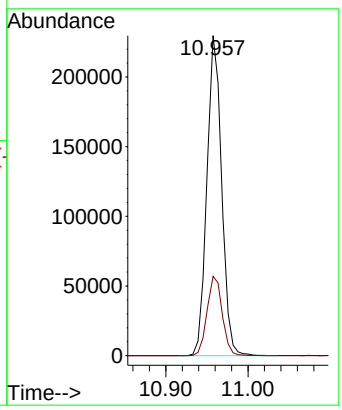
Tgt Ion:105 Resp: 28601

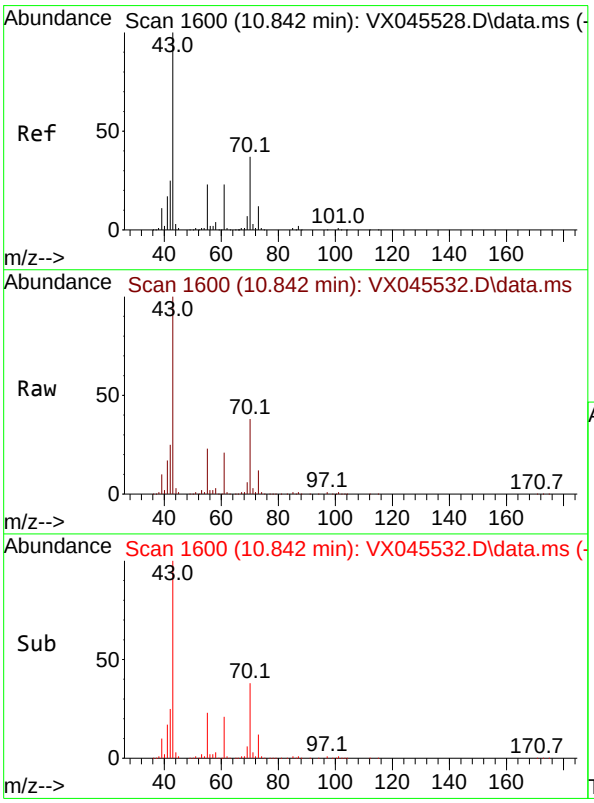
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

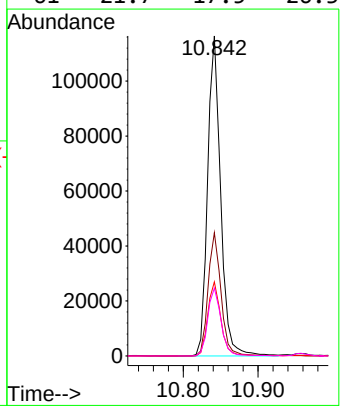


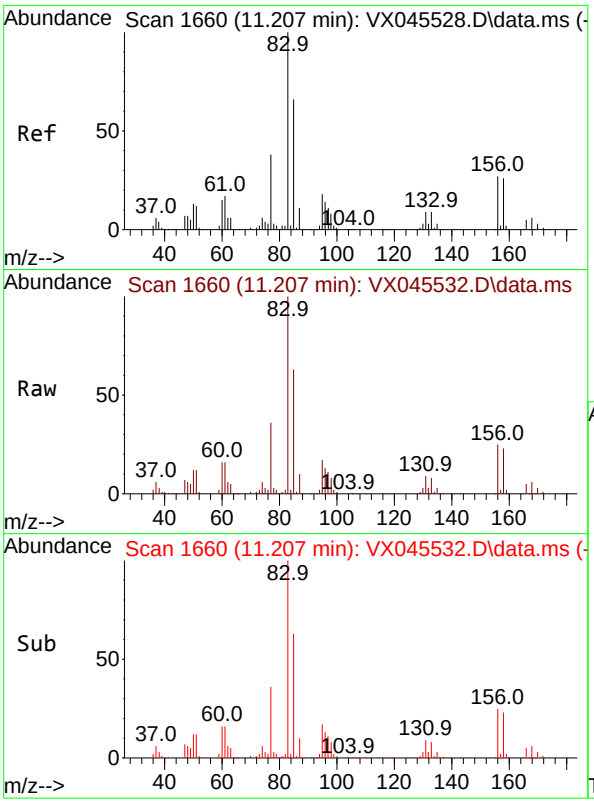


#74
N-amyl acetate
Concen: 54.387 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 140941

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.1	45.1
55	23.3	18.3	27.5
61	21.7	17.5	26.3

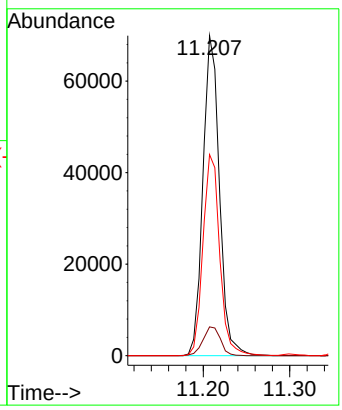




#75
1,1,2,2-Tetrachloroethane
Concen: 48.608 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9250

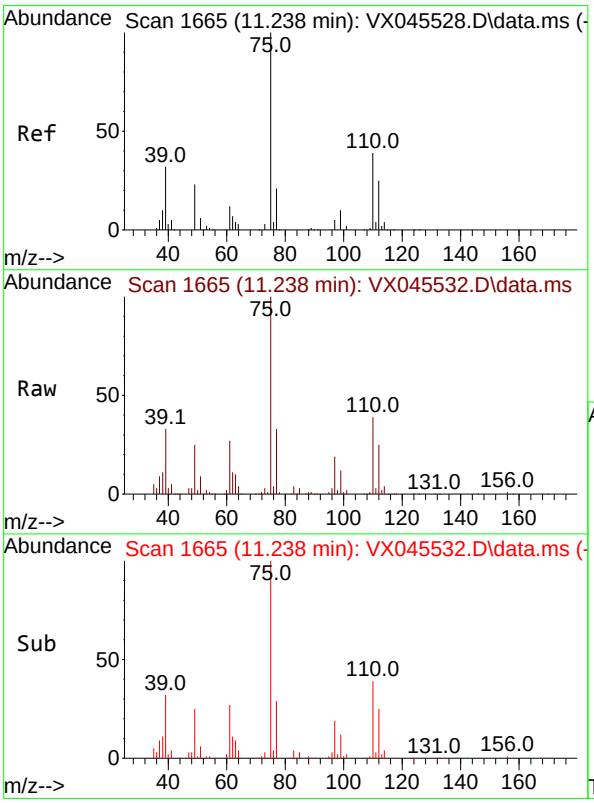
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

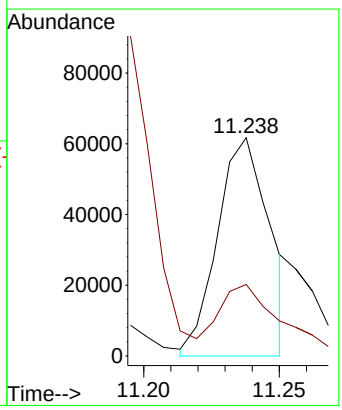
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

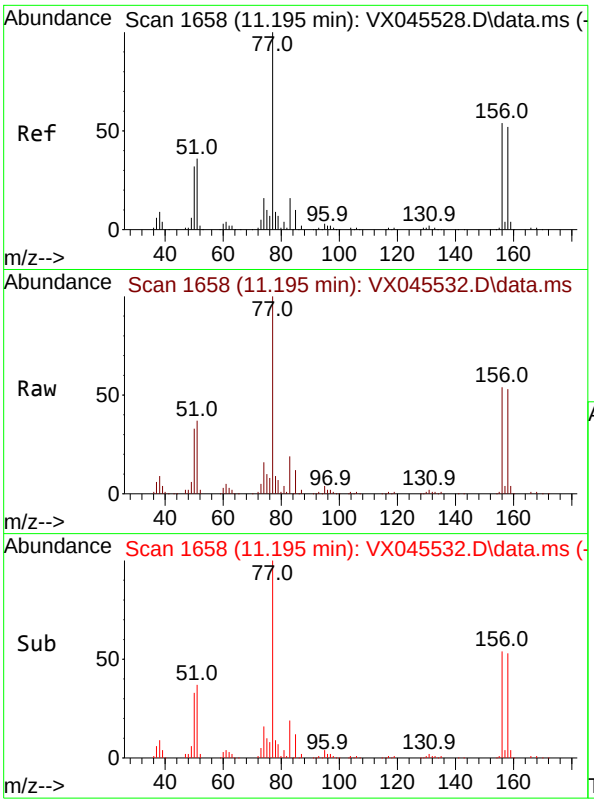


#76
1,2,3-Trichloropropane
Concen: 49.741 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 82060

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.0	59.9

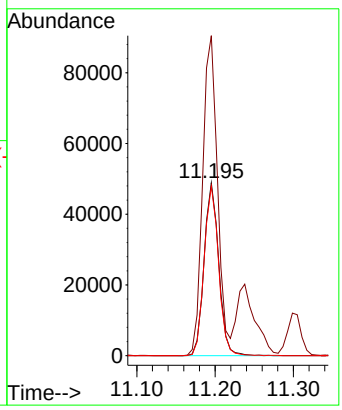




#77
Bromobenzene
Concen: 50.525 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:156 Resp: 6324

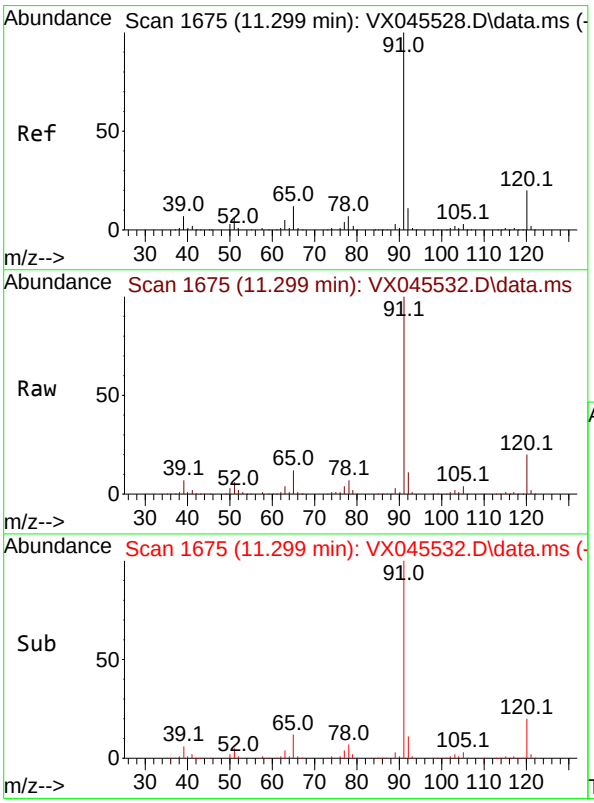
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.6	277.8
158	97.5	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

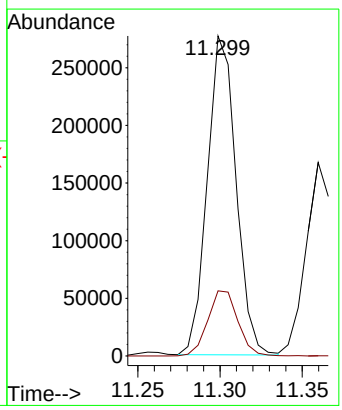
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

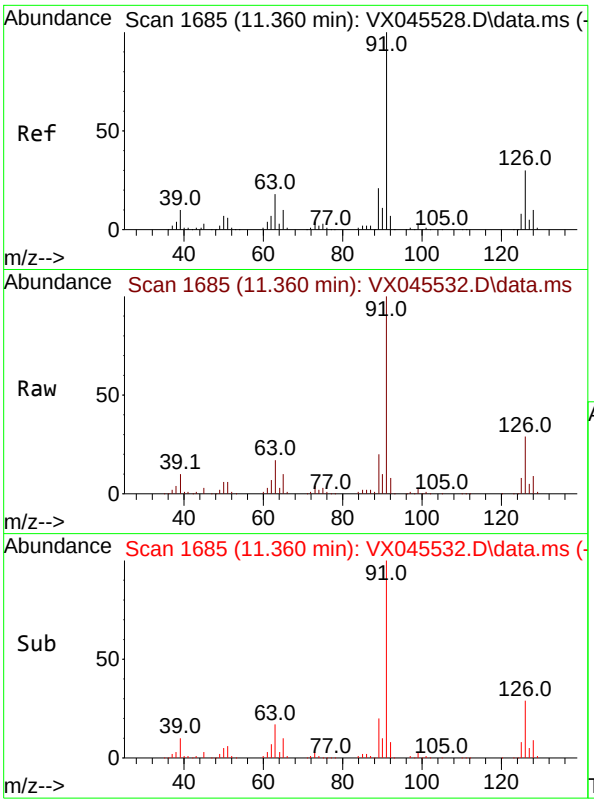


#78
n-propylbenzene
Concen: 53.967 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 336753

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3

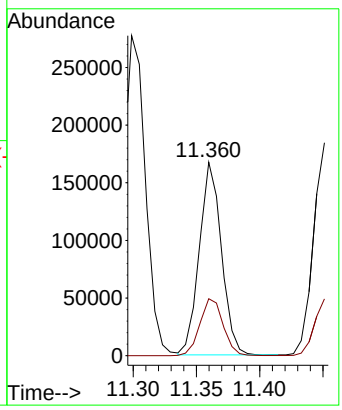




#79
2-Chlorotoluene
Concen: 51.057 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 20367

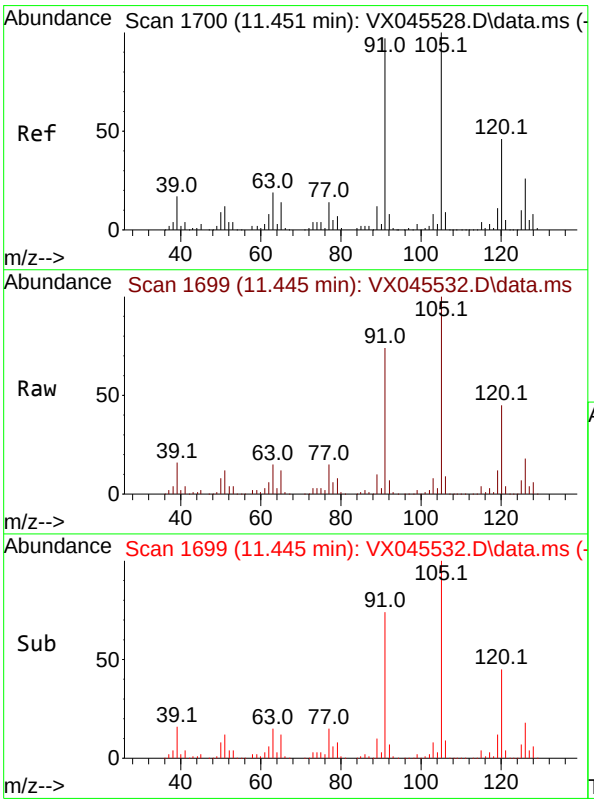
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

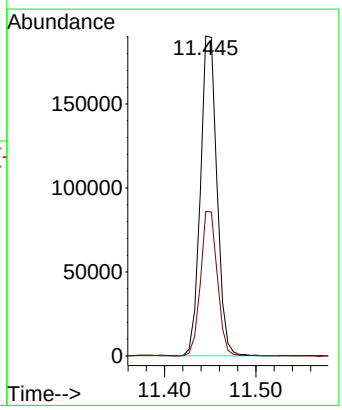
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

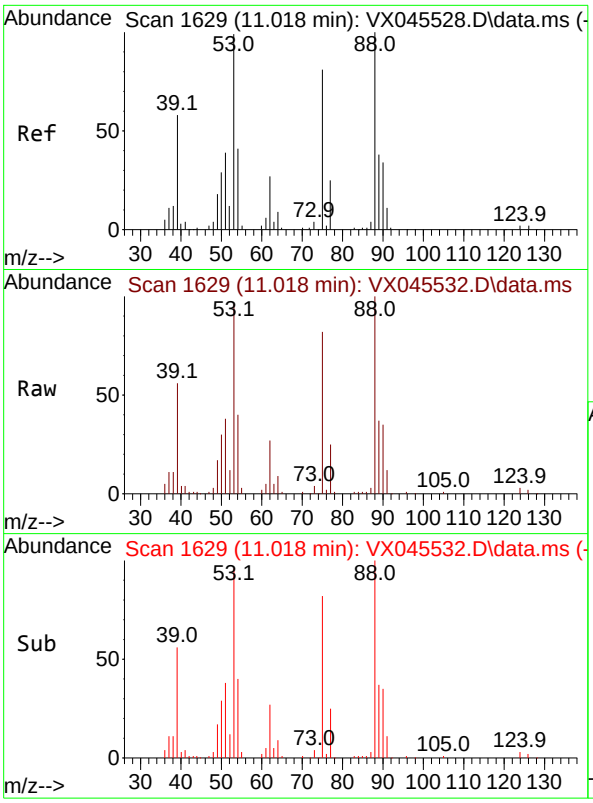


#80
1,3,5-Trimethylbenzene
Concen: 53.534 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 239822

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0

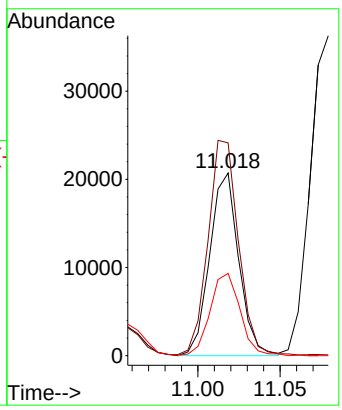




#81
trans-1,4-Dichloro-2-butene
Concen: 52.482 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 2551

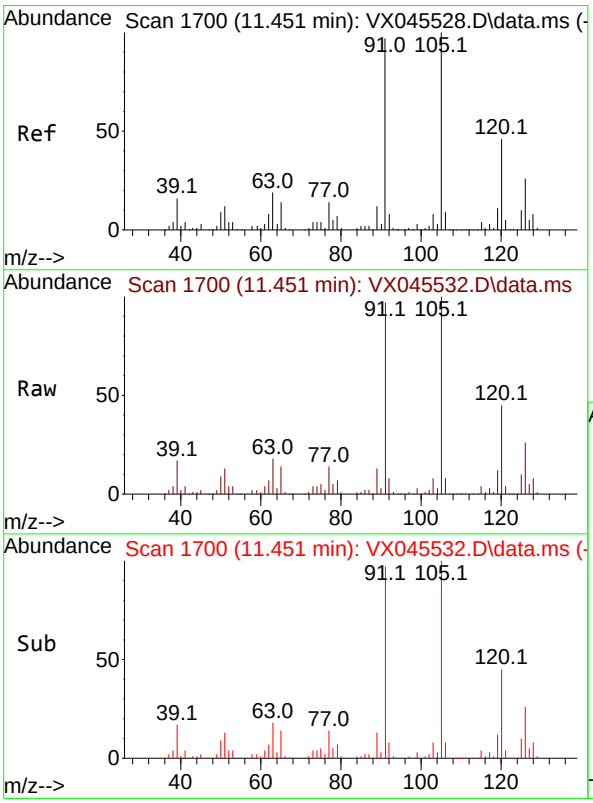
Ion	Ratio	Lower	Upper
75	100		
53	124.4	101.8	152.6
89	46.4	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

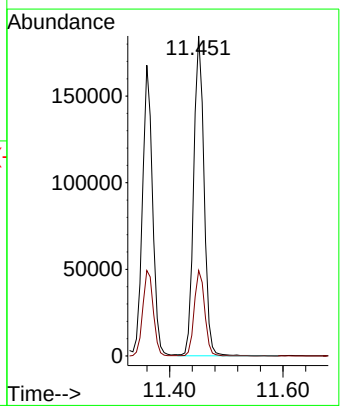
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

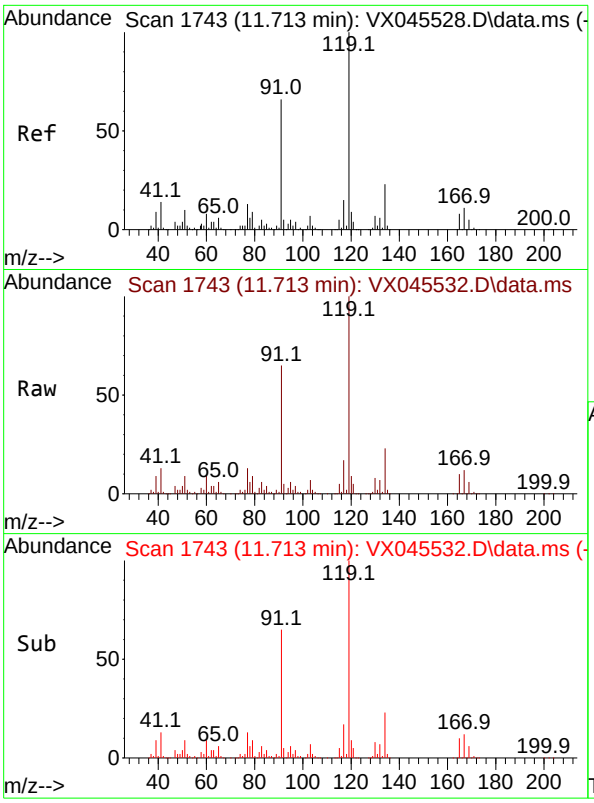


#82
4-Chlorotoluene
Concen: 52.422 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 233159

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

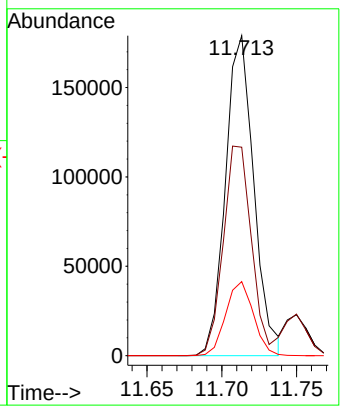




#83
tert-Butylbenzene
Concen: 53.274 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 23627

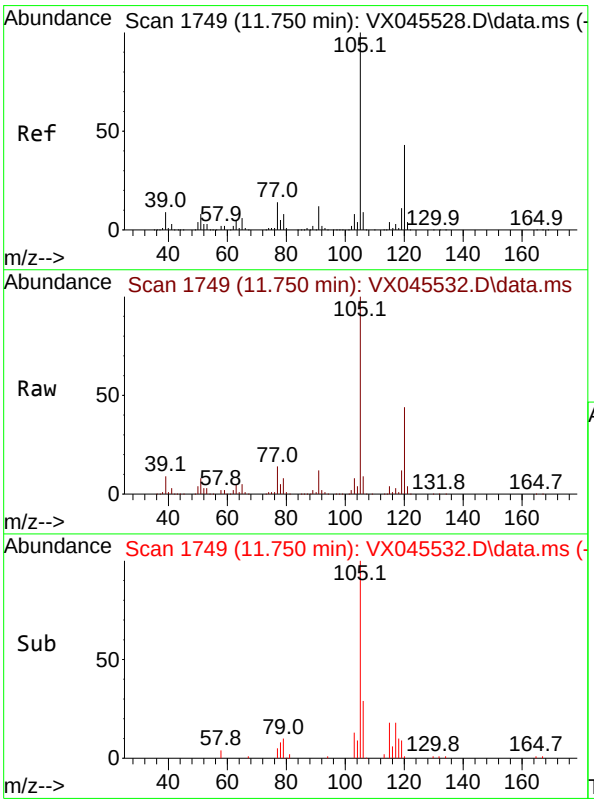
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	22.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

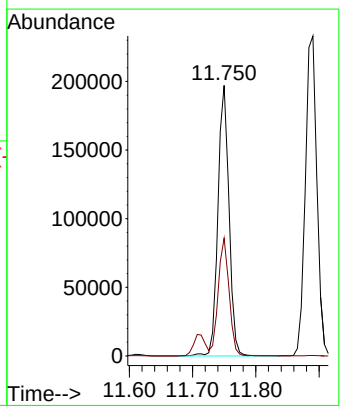
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

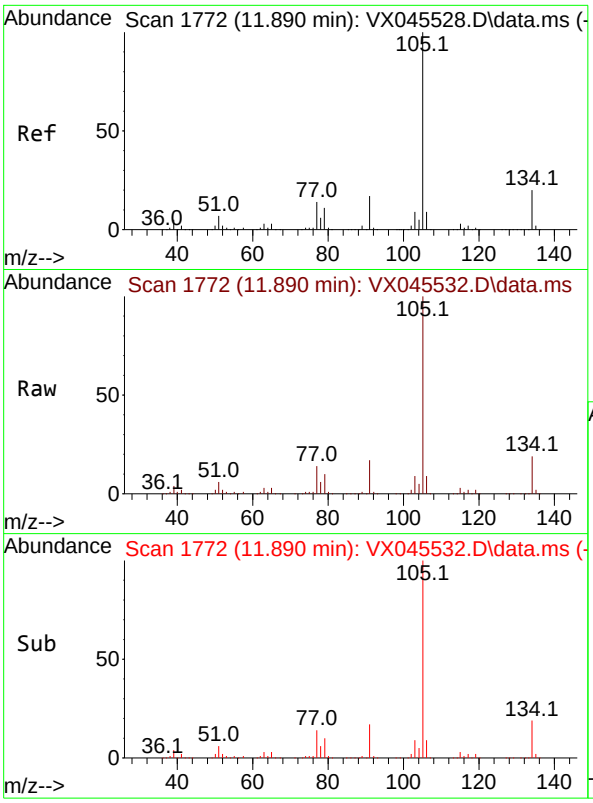


#84
1,2,4-Trimethylbenzene
Concen: 52.990 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 238257

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

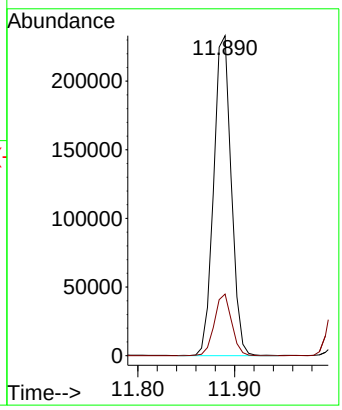




#85
sec-Butylbenzene
Concen: 53.903 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 29363

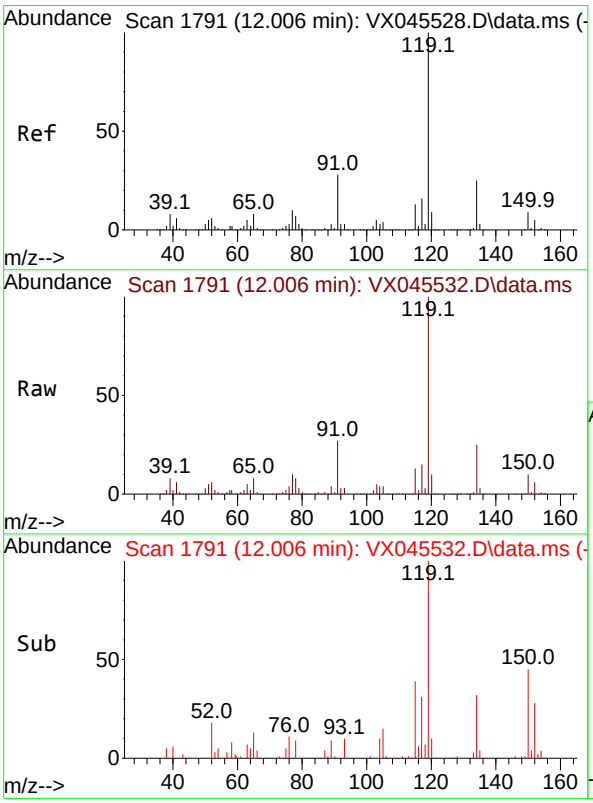
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

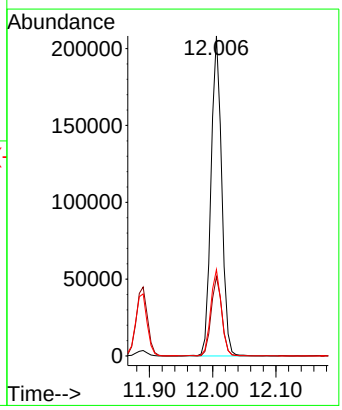
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

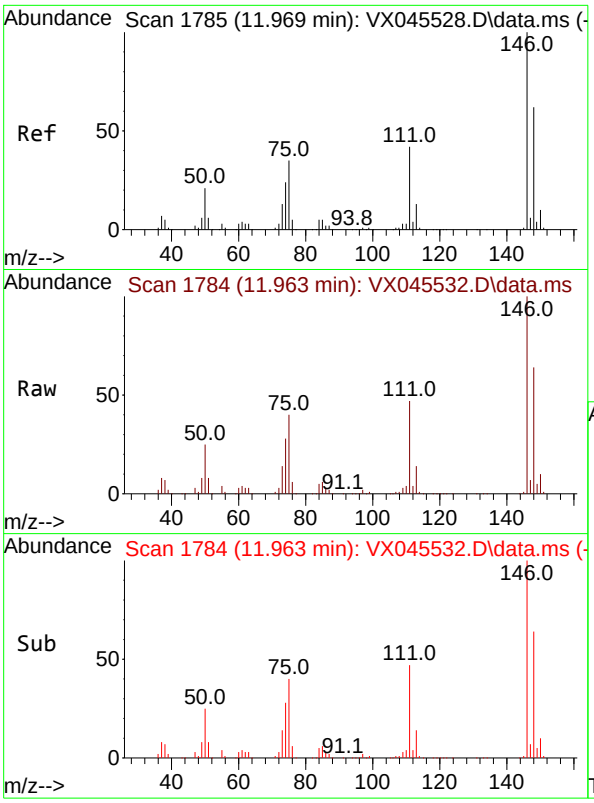


#86
p-Isopropyltoluene
Concen: 54.337 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	27.0	13.7	41.1

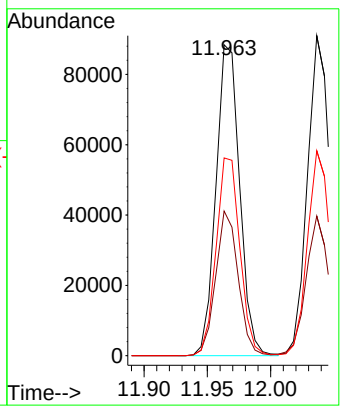




#87
1,3-Dichlorobenzene
Concen: 50.521 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11511

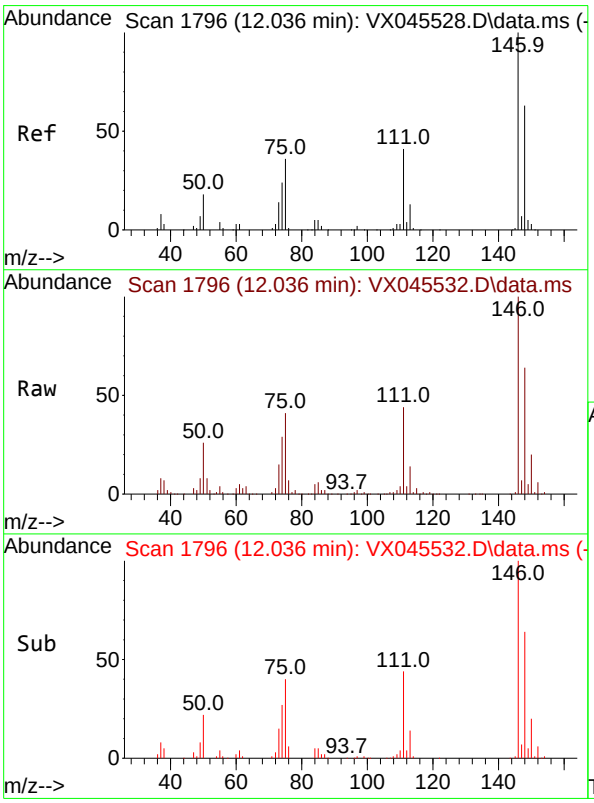
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

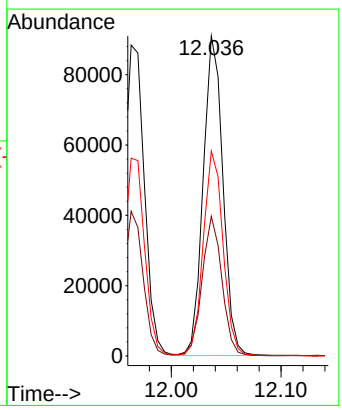
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

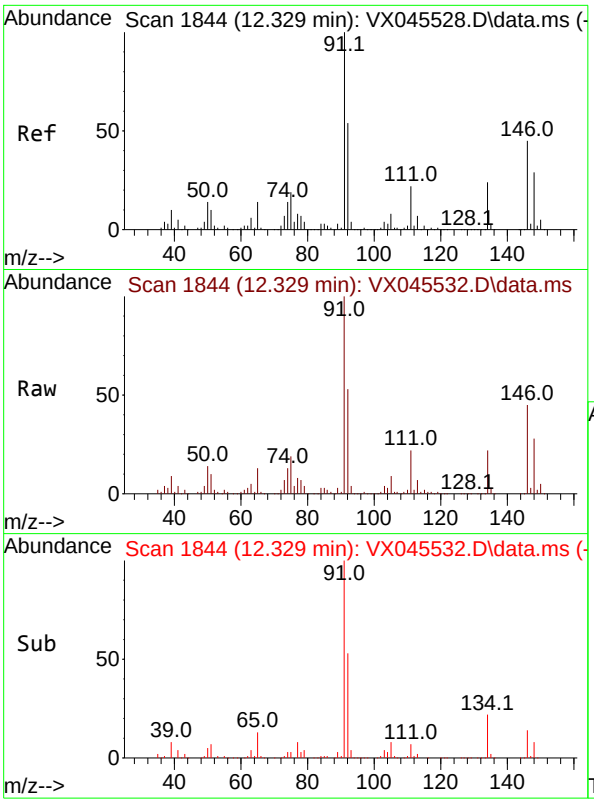


#88
1,4-Dichlorobenzene
Concen: 49.117 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 113458

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	64.5	31.5	94.5

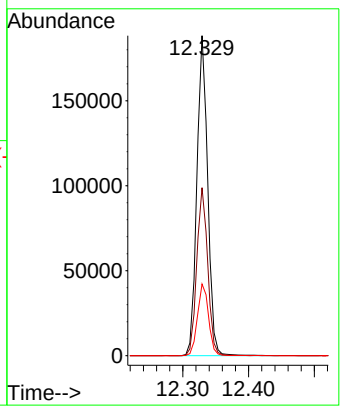




#89
n-Butylbenzene
Concen: 55.189 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 21493

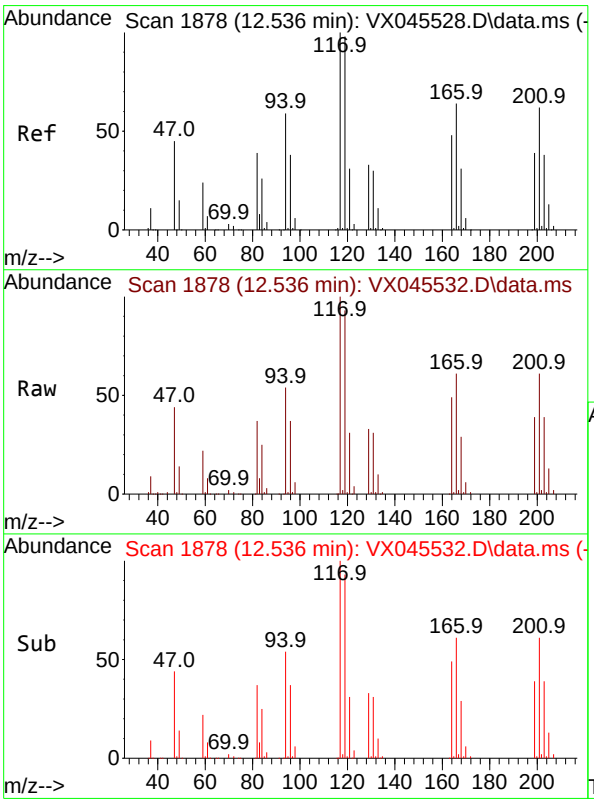
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	23.0	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

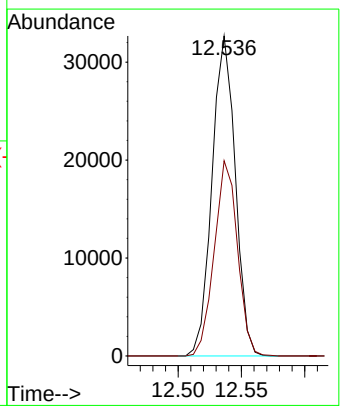
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

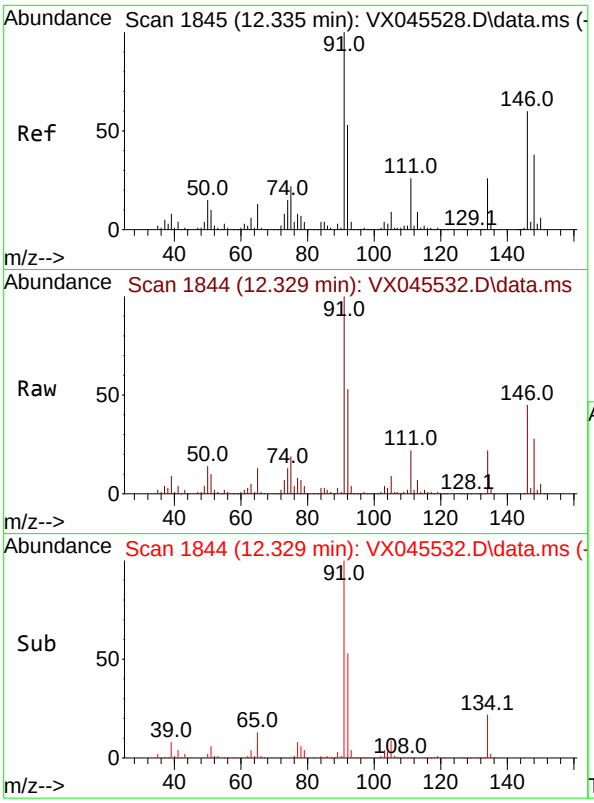


#90
Hexachloroethane
Concen: 54.066 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 41729

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.2	93.6

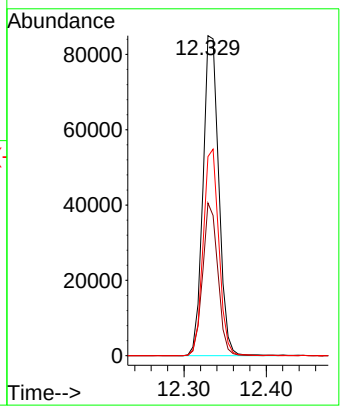




#91
1,2-Dichlorobenzene
Concen: 49.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11312

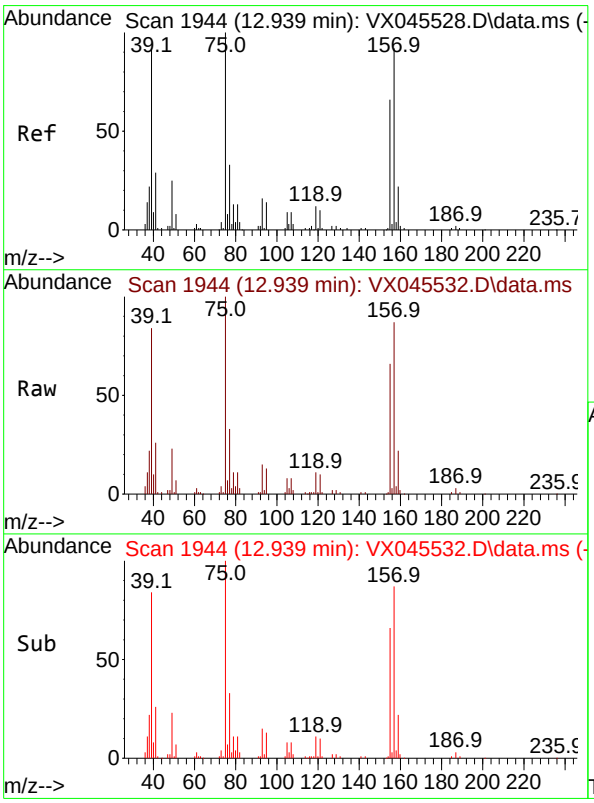
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	64.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

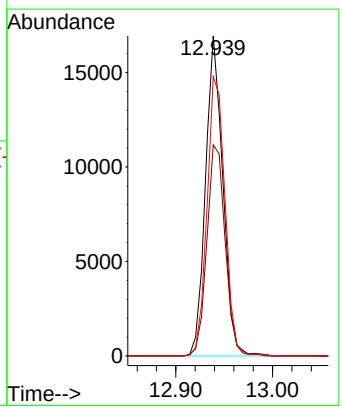
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

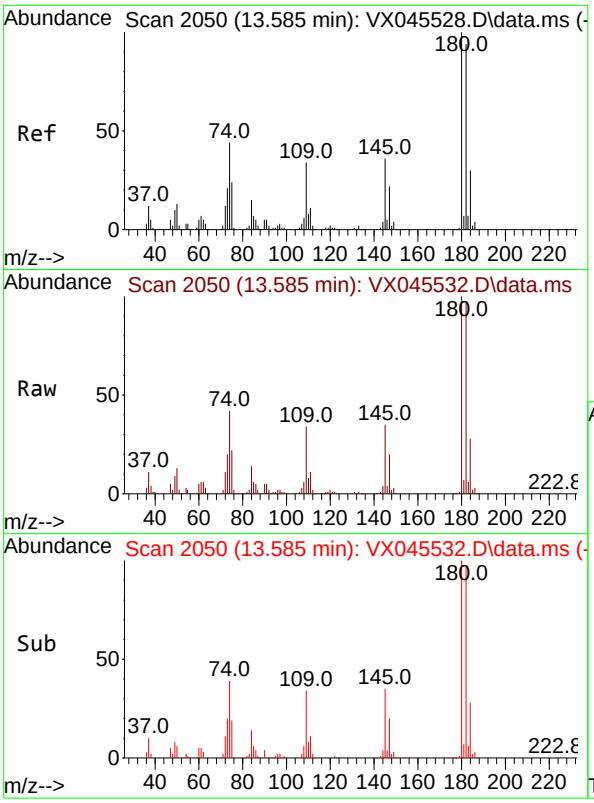


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 21184

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.7
157	90.2	44.9	134.7

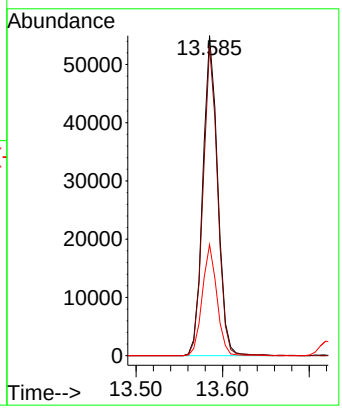




#93
1,2,4-Trichlorobenzene
Concen: 51.935 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 6548

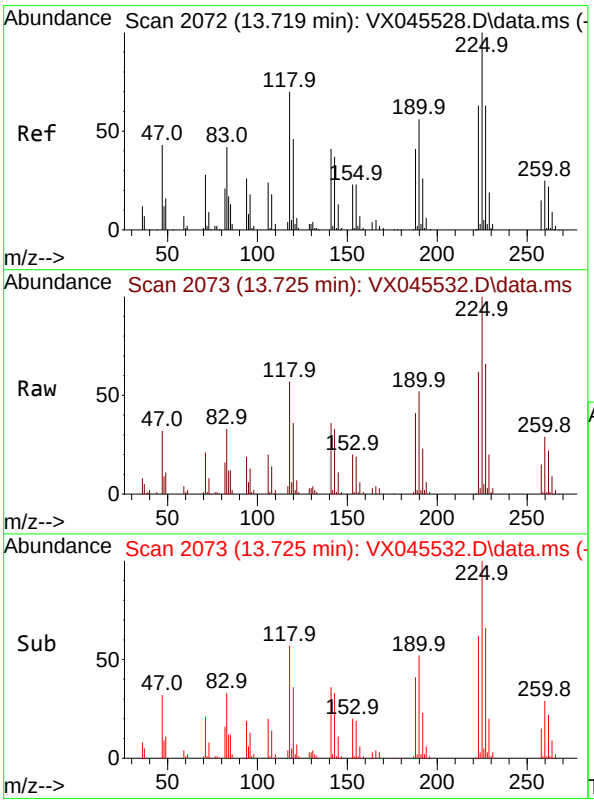
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	34.1	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

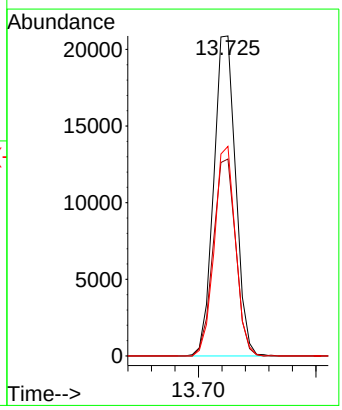
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

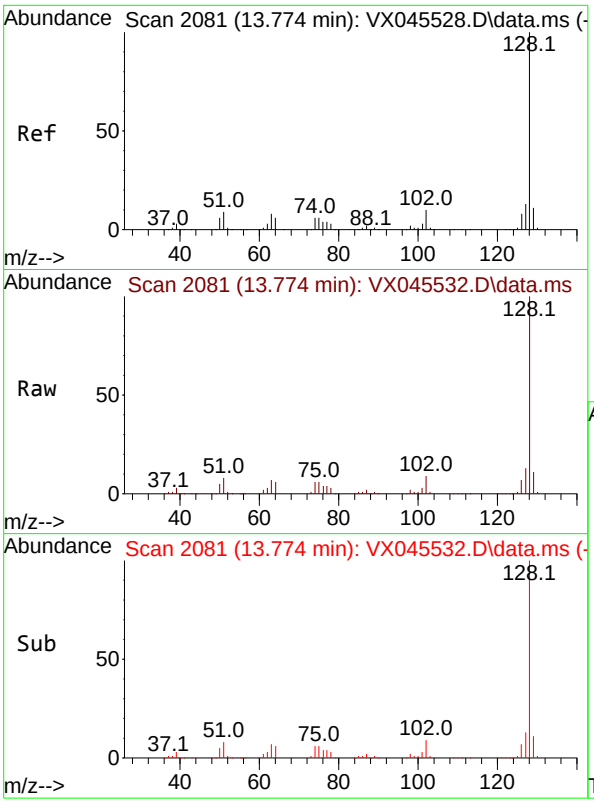


#94
Hexachlorobutadiene
Concen: 49.961 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:225 Resp: 27147

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	63.0	32.2	96.6

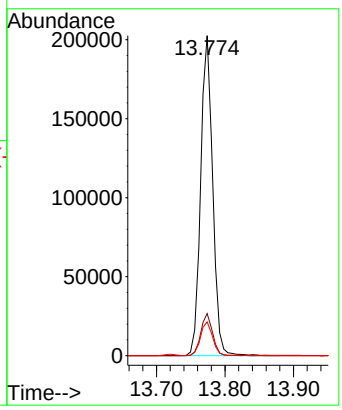




#95
Naphthalene
Concen: 52.765 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:128 Resp: 24760

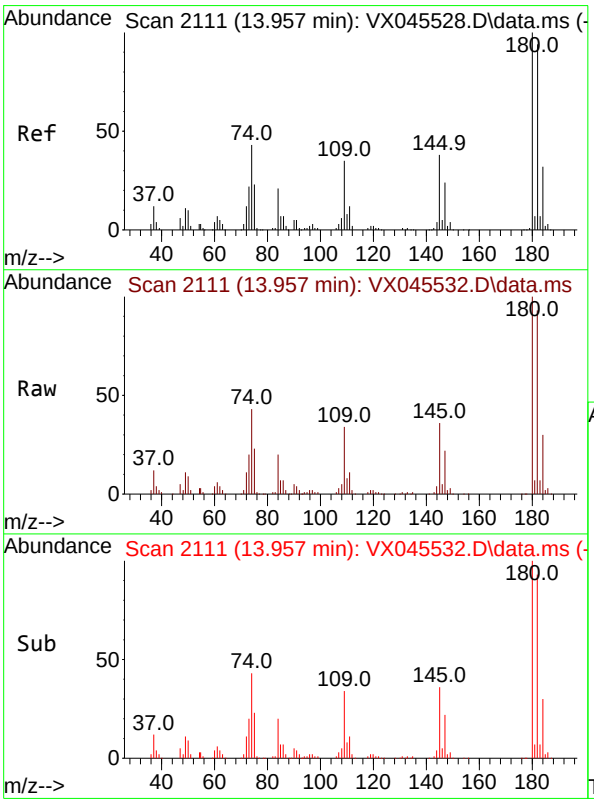
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

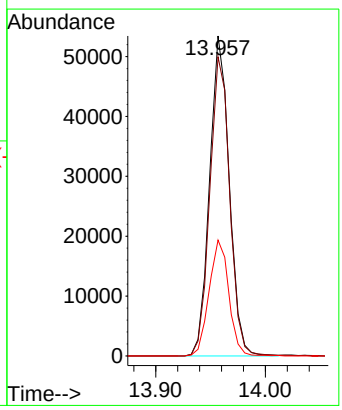
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.396 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 66542

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	36.4	18.2	54.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	101	0.00
2	T	Dichlorodifluoromethane	0.748	0.784	-4.8	97	0.00
3	P	Chloromethane	0.768	0.743	3.3	96	0.00
4	C	Vinyl Chloride	0.703	0.686	2.4#	97	0.00
5	T	Bromomethane	0.333	0.313	6.0	96	0.00
6	T	Chloroethane	0.373	0.385	-3.2	98	0.00
7	T	Trichlorofluoromethane	1.048	1.056	-0.8	99	0.00
8	T	Diethyl Ether	0.352	0.347	1.4	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.608	1.0	99	0.00
10	T	Methyl Iodide	0.766	0.745	2.7	95	0.00
11	T	Tert butyl alcohol	0.123	0.121	1.6	97	0.00
12	CM	1,1-Dichloroethene	0.600	0.597	0.5#	100	0.00
13	T	Acrolein	0.169	0.161	4.7	98	0.00
14	T	Allyl chloride	1.139	1.151	-1.1	100	0.00
15	T	Acrylonitrile	0.388	0.385	0.8	96	0.00
16	T	Acetone	0.375	0.363	3.2	98	0.00
17	T	Carbon Disulfide	1.483	1.544	-4.1	101	0.00
18	T	Methyl Acetate	0.864	0.843	2.4	100	0.00
19	T	Methyl tert-butyl Ether	2.100	2.140	-1.9	102	0.00
20	T	Methylene Chloride	0.703	0.690	1.8	99	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.611	0.3	99	0.00
22	T	Diisopropyl ether	2.243	2.284	-1.8	101	0.00
23	T	Vinyl Acetate	1.938	2.074	-7.0	101	0.00
24	P	1,1-Dichloroethane	1.269	1.261	0.6	101	0.00
25	T	2-Butanone	0.550	0.560	-1.8	97	0.00
26	T	2,2-Dichloropropane	0.820	0.853	-4.0	102	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.733	1.9	99	0.00
28	T	Bromochloromethane	0.613	0.594	3.1	101	0.00
29	T	Tetrahydrofuran	0.356	0.356	0.0	97	0.00
30	C	Chloroform	1.306	1.295	0.8#	100	0.00
31	T	Cyclohexane	1.122	1.112	0.9	100	0.00
32	T	1,1,1-Trichloroethane	1.105	1.112	-0.6	102	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.920	-0.7	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.355	0.349	1.7	105	0.00
36	T	1,1-Dichloropropene	0.479	0.480	-0.2	103	0.00
37	T	Ethyl Acetate	0.604	0.601	0.5	100	0.00
38	T	Carbon Tetrachloride	0.518	0.525	-1.4	102	0.00
39	T	Methylcyclohexane	0.587	0.589	-0.3	98	0.00
40	TM	Benzene	1.463	1.440	1.6	101	0.00
41	T	Methacrylonitrile	0.318	0.338	-6.3	100	0.00
42	TM	1,2-Dichloroethane	0.604	0.591	2.2	99	0.00
43	T	Isopropyl Acetate	0.915	0.943	-3.1	100	0.00
44	TM	Trichloroethene	0.348	0.331	4.9	98	0.00
45	C	1,2-Dichloropropane	0.365	0.361	1.1#	100	0.00
46	T	Dibromomethane	0.280	0.272	2.9	97	0.00
47	T	Bromodichloromethane	0.560	0.551	1.6	100	0.00
48	T	Methyl methacrylate	0.472	0.487	-3.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.009	0.008	11.1	92	0.00
50	S	Toluene-d8	1.238	1.242	-0.3	106	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.619	-2.1	97	0.00
52	CM	Toluene	0.885	0.867	2.0#	99	0.00
53	T	t-1,3-Dichloropropene	0.467	0.502	-7.5	103	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.567	-7.8	104	0.00
55	T	1,1,2-Trichloroethane	0.353	0.346	2.0	100	0.00
56	T	Ethyl methacrylate	0.546	0.586	-7.3	102	0.00
57	T	1,3-Dichloropropane	0.614	0.613	0.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.287	-4.0	100	0.00
59	T	2-Hexanone	0.449	0.452	-0.7	96	0.00
60	T	Dibromochloromethane	0.385	0.392	-1.8	99	0.00
61	T	1,2-Dibromoethane	0.357	0.362	-1.4	101	0.00
62	S	4-Bromofluorobenzene	0.451	0.460	-2.0	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.353	0.334	5.4	97	0.00
65	PM	Chlorobenzene	1.068	1.073	-0.5	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.375	-1.1	102	0.00
67	C	Ethyl Benzene	1.914	1.973	-3.1#	100	0.00
68	T	m/p-Xylenes	0.696	0.715	-2.7	100	0.00
69	T	o-Xylene	0.686	0.708	-3.2	100	0.00
70	T	Styrene	1.132	1.191	-5.2	99	0.00
71	P	Bromoform	0.277	0.292	-5.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.005	4.229	-5.6	99	0.00
74	T	N-amyl acetate	1.916	2.084	-8.8	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.368	2.8	97	0.00
76	T	1,2,3-Trichloropropane	1.220	1.213	0.6	97	0.00
77	T	Bromobenzene	0.925	0.935	-1.1	98	0.00
78	T	n-propylbenzene	4.613	4.979	-7.9	100	0.00
79	T	2-Chlorotoluene	2.949	3.012	-2.1	100	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.546	-7.1	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.377	-5.0	100	0.00
82	T	4-Chlorotoluene	3.288	3.447	-4.8	98	0.00
83	T	tert-Butylbenzene	3.279	3.494	-6.6	100	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.523	-6.0	98	0.00
85	T	sec-Butylbenzene	4.027	4.342	-7.8	99	0.00
86	T	p-Isopropyltoluene	3.320	3.608	-8.7	101	0.00
87	T	1,3-Dichlorobenzene	1.684	1.702	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	1.708	1.678	1.8	97	0.00
89	T	n-Butylbenzene	2.879	3.178	-10.4	99	0.00
90	T	Hexachloroethane	0.571	0.617	-8.1	102	0.00
91	T	1,2-Dichlorobenzene	1.675	1.673	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.313	-6.5	98	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.968	-3.9	101	0.00
94	T	Hexachlorobutadiene	0.402	0.401	0.2	98	0.00
95	T	Naphthalene	3.469	3.661	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.976	0.984	-0.8	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	101	0.00
2	T	Dichlorodifluoromethane	50.000	52.454	-4.9	97	0.00
3	P	Chloromethane	50.000	48.349	3.3	96	0.00
4	C	Vinyl Chloride	50.000	48.816	2.4#	97	0.00
5	T	Bromomethane	50.000	46.991	6.0	96	0.00
6	T	Chloroethane	50.000	51.586	-3.2	98	0.00
7	T	Trichlorofluoromethane	50.000	50.354	-0.7	99	0.00
8	T	Diethyl Ether	50.000	49.228	1.5	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.528	0.9	99	0.00
10	T	Methyl Iodide	50.000	48.626	2.7	95	0.00
11	T	Tert butyl alcohol	250.000	246.612	1.4	97	0.00
12	CM	1,1-Dichloroethene	50.000	49.726	0.5#	100	0.00
13	T	Acrolein	250.000	238.141	4.7	98	0.00
14	T	Allyl chloride	50.000	50.541	-1.1	100	0.00
15	T	Acrylonitrile	250.000	248.351	0.7	96	0.00
16	T	Acetone	250.000	241.904	3.2	98	0.00
17	T	Carbon Disulfide	50.000	52.057	-4.1	101	0.00
18	T	Methyl Acetate	50.000	48.742	2.5	100	0.00
19	T	Methyl tert-butyl Ether	50.000	50.950	-1.9	102	0.00
20	T	Methylene Chloride	50.000	49.055	1.9	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.800	0.4	99	0.00
22	T	Diisopropyl ether	50.000	50.895	-1.8	101	0.00
23	T	Vinyl Acetate	250.000	267.449	-7.0	101	0.00
24	P	1,1-Dichloroethane	50.000	49.677	0.6	101	0.00
25	T	2-Butanone	250.000	254.882	-2.0	97	0.00
26	T	2,2-Dichloropropane	50.000	52.020	-4.0	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.049	1.9	99	0.00
28	T	Bromochloromethane	50.000	48.403	3.2	101	0.00
29	T	Tetrahydrofuran	250.000	249.473	0.2	97	0.00
30	C	Chloroform	50.000	49.614	0.8#	100	0.00
31	T	Cyclohexane	50.000	49.583	0.8	100	0.00
32	T	1,1,1-Trichloroethane	50.000	50.330	-0.7	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.329	-0.7	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	49.256	1.5	105	0.00
36	T	1,1-Dichloropropene	50.000	50.088	-0.2	103	0.00
37	T	Ethyl Acetate	50.000	49.787	0.4	100	0.00
38	T	Carbon Tetrachloride	50.000	50.667	-1.3	102	0.00
39	T	Methylcyclohexane	50.000	50.124	-0.2	98	0.00
40	TM	Benzene	50.000	49.212	1.6	101	0.00
41	T	Methacrylonitrile	50.000	53.098	-6.2	100	0.00
42	TM	1,2-Dichloroethane	50.000	48.875	2.3	99	0.00
43	T	Isopropyl Acetate	50.000	51.539	-3.1	100	0.00
44	TM	Trichloroethene	50.000	47.643	4.7	98	0.00
45	C	1,2-Dichloropropane	50.000	49.521	1.0#	100	0.00
46	T	Dibromomethane	50.000	48.542	2.9	97	0.00
47	T	Bromodichloromethane	50.000	49.273	1.5	100	0.00
48	T	Methyl methacrylate	50.000	51.507	-3.0	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	955.327	4.5	92	0.00
50	S	Toluene-d8	50.000	50.160	-0.3	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.994	-2.0	97	0.00
52	CM	Toluene	50.000	48.994	2.0#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	46.783	6.4	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.878	-7.8	104	0.00
55	T	1,1,2-Trichloroethane	50.000	49.007	2.0	100	0.00
56	T	Ethyl methacrylate	50.000	53.705	-7.4	102	0.00
57	T	1,3-Dichloropropane	50.000	49.869	0.3	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.201	-4.1	100	0.00
59	T	2-Hexanone	250.000	251.710	-0.7	96	0.00
60	T	Dibromochloromethane	50.000	50.983	-2.0	99	0.00
61	T	1,2-Dibromoethane	50.000	50.693	-1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	50.959	-1.9	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	47.239	5.5	97	0.00
65	PM	Chlorobenzene	50.000	50.207	-0.4	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.495	-1.0	102	0.00
67	C	Ethyl Benzene	50.000	51.558	-3.1#	100	0.00
68	T	m/p-Xylenes	100.000	102.728	-2.7	100	0.00
69	T	o-Xylene	50.000	51.650	-3.3	100	0.00
70	T	Styrene	50.000	52.624	-5.2	99	0.00
71	P	Bromoform	50.000	52.694	-5.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	52.794	-5.6	99	0.00
74	T	N-amyl acetate	50.000	54.387	-8.8	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.608	2.8	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.741	0.5	97	0.00
77	T	Bromobenzene	50.000	50.525	-1.0	98	0.00
78	T	n-propylbenzene	50.000	53.967	-7.9	100	0.00
79	T	2-Chlorotoluene	50.000	51.057	-2.1	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.534	-7.1	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.482	-5.0	100	0.00
82	T	4-Chlorotoluene	50.000	52.422	-4.8	98	0.00
83	T	tert-Butylbenzene	50.000	53.274	-6.5	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.990	-6.0	98	0.00
85	T	sec-Butylbenzene	50.000	53.903	-7.8	99	0.00
86	T	p-Isopropyltoluene	50.000	54.337	-8.7	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.521	-1.0	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.117	1.8	97	0.00
89	T	n-Butylbenzene	50.000	55.189	-10.4	99	0.00
90	T	Hexachloroethane	50.000	54.066	-8.1	102	0.00
91	T	1,2-Dichlorobenzene	50.000	49.938	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.226	-6.5	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.935	-3.9	101	0.00
94	T	Hexachlorobutadiene	50.000	49.961	0.1	98	0.00
95	T	Naphthalene	50.000	52.765	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	50.396	-0.8	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.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 10:41

Lab File ID: VX045730.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.768	0.696	0.1	-9.38	20
Vinyl Chloride	0.703	0.636		-9.53	20
Bromomethane	0.333	0.280		-15.92	20
Chloroethane	0.373	0.355		-4.83	20
Trichlorofluoromethane	1.048	1.004		-4.2	20
1,1,2-Trichlorotrifluoroethane	0.614	0.605		-1.47	20
1,1-Dichloroethene	0.600	0.549		-8.5	20
Acetone	0.375	0.347		-7.47	20
Carbon Disulfide	1.483	1.188		-19.89	20
Methyl tert-butyl Ether	2.100	2.067		-1.57	20
Methylene Chloride	0.703	0.649		-7.68	20
trans-1,2-Dichloroethene	0.613	0.554		-9.63	20
1,1-Dichloroethane	1.269	1.181	0.1	-6.93	20
2-Butanone	0.550	0.536		-2.55	20
Carbon Tetrachloride	0.518	0.529		2.12	20
cis-1,2-Dichloroethene	0.747	0.682		-8.7	20
Chloroform	1.306	1.240		-5.05	20
1,1,1-Trichloroethane	1.105	1.067		-3.44	20
Methylcyclohexane	0.587	0.596		1.53	20
Benzene	1.463	1.404		-4.03	20
1,2-Dichloroethane	0.604	0.611		1.16	20
Trichloroethene	0.348	0.335		-3.74	20
1,2-Dichloropropane	0.365	0.361		-1.1	20
Bromodichloromethane	0.560	0.562		0.36	20
4-Methyl-2-Pentanone	0.606	0.640		5.61	20
Toluene	0.885	0.858		-3.05	20
t-1,3-Dichloropropene	0.467	0.511		9.42	20
cis-1,3-Dichloropropene	0.526	0.565		7.41	20
1,1,2-Trichloroethane	0.353	0.353		0	20
2-Hexanone	0.449	0.475		5.79	20
Dibromochloromethane	0.385	0.398		3.38	20
Tetrachloroethene	0.353	0.323		-8.5	20
Chlorobenzene	1.068	1.043	0.3	-2.34	20
Ethyl Benzene	1.914	1.917		0.16	20
m/p-Xylenes	0.696	0.709		1.87	20
o-Xylene	0.686	0.699		1.89	20
Styrene	1.132	1.185		4.68	20
Bromoform	0.277	0.288	0.1	3.97	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.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 10:41

Lab File ID: VX045730.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.005	3.906		-2.47	20
1,1,2,2-Tetrachloroethane	1.407	1.291	0.3	-8.24	20
1,3-Dichlorobenzene	1.684	1.629		-3.27	20
1,4-Dichlorobenzene	1.708	1.635		-4.27	20
1,2-Dichlorobenzene	1.675	1.610		-3.88	20
1,2-Dichloroethane-d4	0.914	0.880		-3.72	20
Dibromofluoromethane	0.355	0.354		-0.28	20
Toluene-d8	1.238	1.226		-0.97	20
4-Bromofluorobenzene	0.451	0.491		8.87	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_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164714	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85573	48.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.200%			
35) Dibromofluoromethane	5.379	113	58254	49.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	202013	49.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	80858	54.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	72437	49.789	ug/l	99
3) Chloromethane	1.307	50	67667	45.273	ug/l	100
4) Vinyl Chloride	1.374	62	61876	45.237	ug/l	99
5) Bromomethane	1.593	94	27260	42.032	ug/l	99
6) Chloroethane	1.666	64	34556	47.617	ug/l	100
7) Trichlorofluoromethane	1.873	101	97632	47.866	ug/l	99
8) Diethyl Ether	2.130	74	31690	46.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	58859	49.246	ug/l	98
10) Methyl Iodide	2.440	142	67086	45.000	ug/l	97
11) Tert butyl alcohol	2.977	59	60339	252.369	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53422	45.743	ug/l	97
13) Acrolein	2.233	56	61319	186.241	ug/l	99
14) Allyl chloride	2.654	41	106077	47.870	ug/l	100
15) Acrylonitrile	3.062	53	178975	237.140	ug/l	98
16) Acetone	2.386	43	168655	230.867	ug/l	97
17) Carbon Disulfide	2.501	76	115535	40.054	ug/l	98
18) Methyl Acetate	2.703	43	89137	52.996	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	201092	49.222	ug/l	98
20) Methylene Chloride	2.782	84	63104	46.141	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	53927	45.197	ug/l	95
22) Diisopropyl ether	3.757	45	208728	47.818	ug/l	93
23) Vinyl Acetate	3.715	43	927978	246.059	ug/l	100
24) 1,1-Dichloroethane	3.599	63	114911	46.549	ug/l	99
25) 2-Butanone	4.556	43	260543	243.647	ug/l	99
26) 2,2-Dichloropropane	4.465	77	88385	55.416	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	66350	45.644	ug/l	96
28) Bromochloromethane	4.891	49	56463	47.331	ug/l	98
29) Tetrahydrofuran	5.001	42	163985	236.531	ug/l	99
30) Chloroform	5.086	83	120655	47.500	ug/l	99
31) Cyclohexane	5.464	56	100209	45.918	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103773	48.281	ug/l	99
36) 1,1-Dichloropropene	5.684	75	76541	48.508	ug/l	99
37) Ethyl Acetate	4.708	43	95833	48.194	ug/l	99
38) Carbon Tetrachloride	5.665	117	87144	51.101	ug/l	98
39) Methylcyclohexane	7.373	83	98187	50.764	ug/l	96
40) Benzene	6.031	78	231234	47.983	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56924	54.255	ug/l		98
42) 1,2-Dichloroethane	6.080	62	100704	50.595	ug/l		100
43) Isopropyl Acetate	6.336	43	158328	52.534	ug/l		100
44) Trichloroethene	7.123	130	55126	48.127	ug/l		97
45) 1,2-Dichloropropane	7.421	63	59390	49.393	ug/l		97
46) Dibromomethane	7.574	93	45368	49.152	ug/l		98
47) Bromodichloromethane	7.818	83	92524	50.194	ug/l		96
48) Methyl methacrylate	7.690	41	82873	53.257	ug/l		98
49) 1,4-Dioxane	7.659	88	30420	1080.494	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	526773	263.661	ug/l		99
52) Toluene	8.714	92	141355	48.475	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84143	47.584	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	93096	53.744	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	58189	50.076	ug/l		97
56) Ethyl methacrylate	9.116	69	98718	54.894	ug/l		99
57) 1,3-Dichloropropane	9.305	76	101969	50.393	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	245823	270.217	ug/l		99
59) 2-Hexanone	9.427	43	391086	264.335	ug/l		100
60) Dibromochloromethane	9.518	129	65483	51.692	ug/l		99
61) 1,2-Dibromoethane	9.604	107	60328	51.286	ug/l		100
64) Tetrachloroethene	9.269	164	47682	45.712	ug/l		98
65) Chlorobenzene	10.073	112	154107	48.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54432	49.662	ug/l		99
67) Ethyl Benzene	10.189	91	283288	50.102	ug/l		100
68) m/p-Xylenes	10.299	106	209512	101.879	ug/l		99
69) o-Xylene	10.640	106	103263	50.973	ug/l		100
70) Styrene	10.652	104	175059	52.356	ug/l		99
71) Bromoform	10.799	173	42549	51.992	ug/l	#	99
73) Isopropylbenzene	10.957	105	279055	48.759	ug/l		99
74) N-amyl acetate	10.841	43	140866	51.455	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	92218	45.869	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80723m	46.318	ug/l		
77) Bromobenzene	11.195	156	62929	47.589	ug/l		99
78) n-propylbenzene	11.299	91	329781	50.027	ug/l		100
79) 2-Chlorotoluene	11.360	91	204153	48.443	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	237040	50.087	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25061	48.803	ug/l		97
82) 4-Chlorotoluene	11.451	91	233003	49.589	ug/l		100
83) tert-Butylbenzene	11.713	119	234833	50.120	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	239508	50.423	ug/l		100
85) sec-Butylbenzene	11.890	105	294171	51.118	ug/l		100
86) p-Isopropyltoluene	12.006	119	243819	51.391	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	116417	48.364	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	116806	47.866	ug/l		99
89) n-Butylbenzene	12.329	91	221431	53.822	ug/l		100
90) Hexachloroethane	12.536	117	41335	50.695	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115059	48.079	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21534	51.215	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	68376	51.329	ug/l		98
94) Hexachlorobutadiene	13.719	225	29358	51.144	ug/l		99
95) Naphthalene	13.774	128	251217	50.677	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	70089	50.247	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

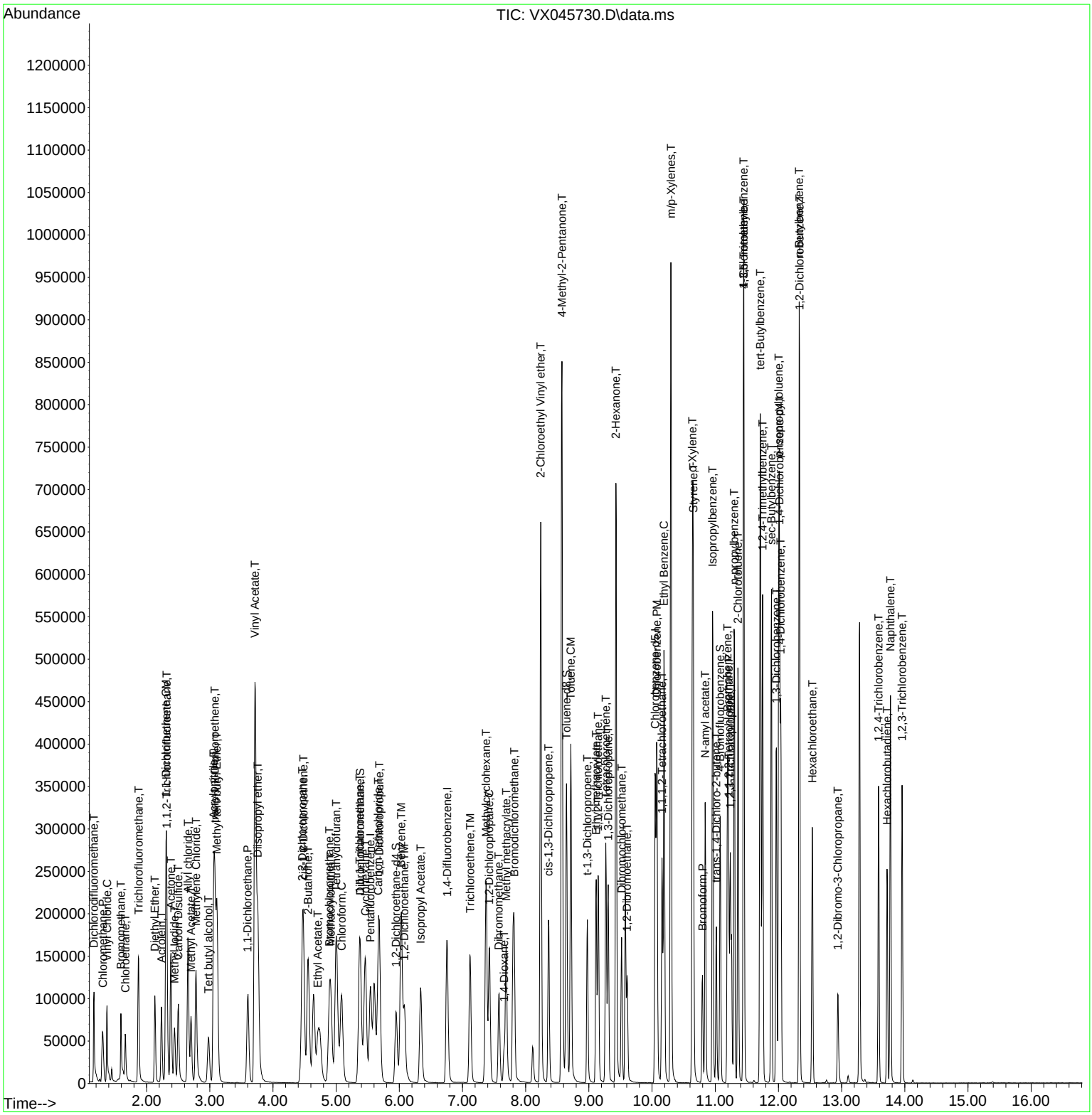
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

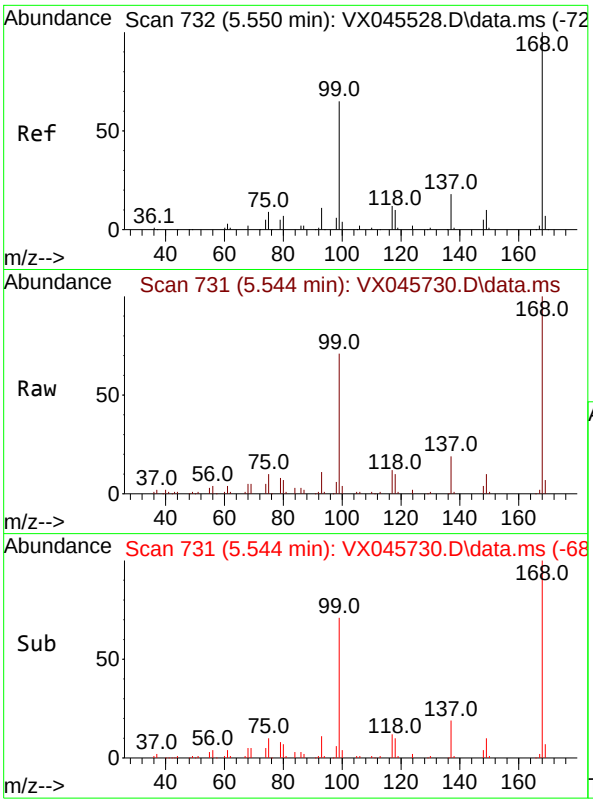
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
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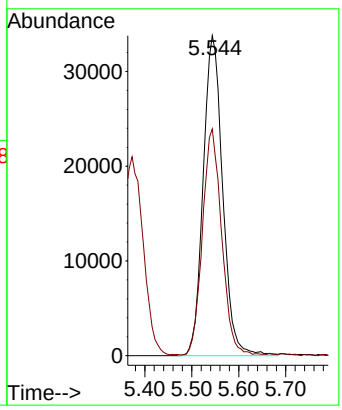




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:168 Resp: 9728

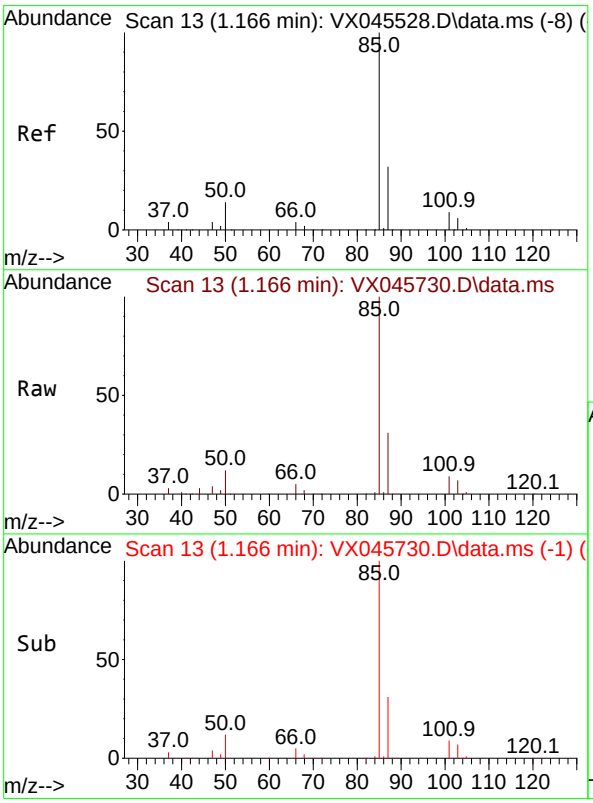
Ion	Ratio	Lower	Upper
168	100		
99	70.5	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

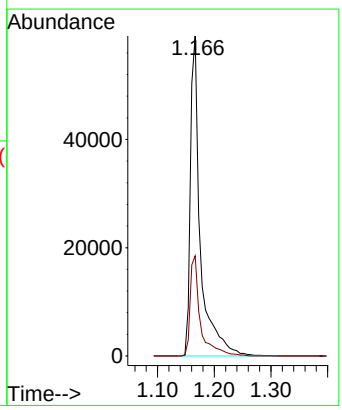
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

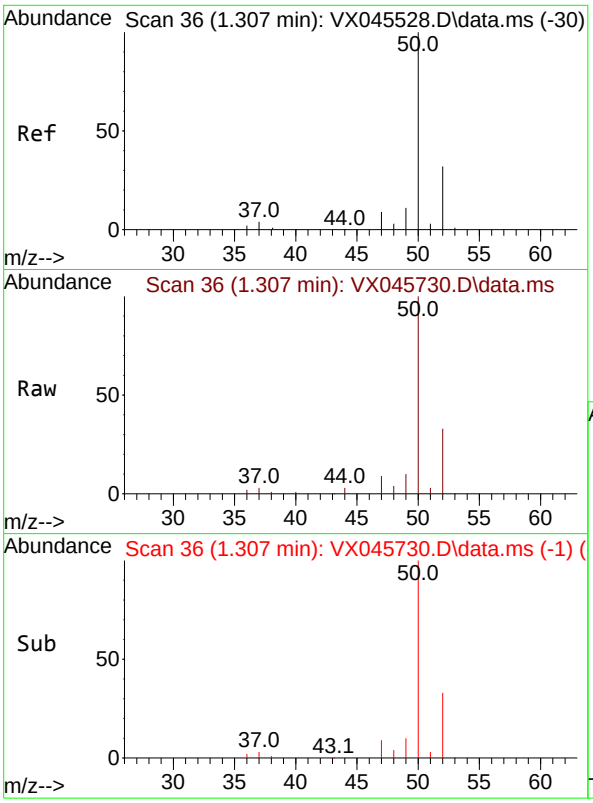


#2
Dichlorodifluoromethane
Concen: 49.789 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 85 Resp: 72437

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.1	48.2

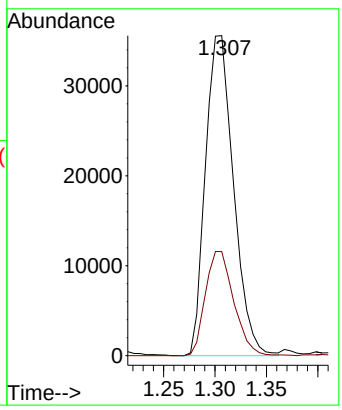




#3
Chloromethane
Concen: 45.273 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 50 Resp: 6766

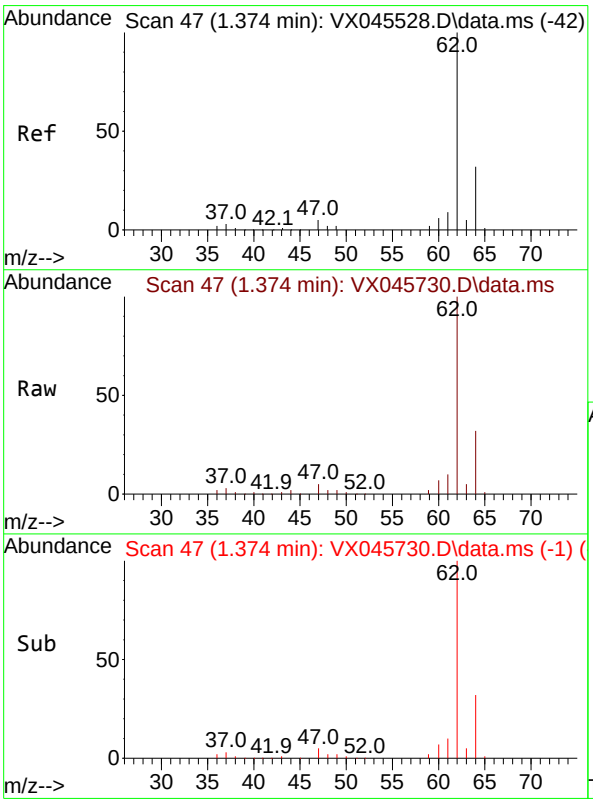
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

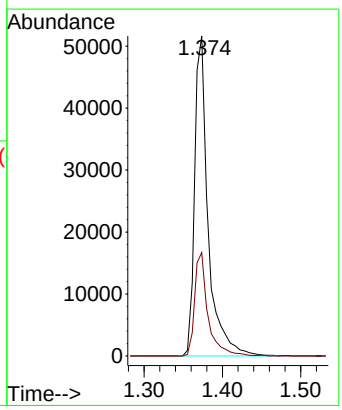
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

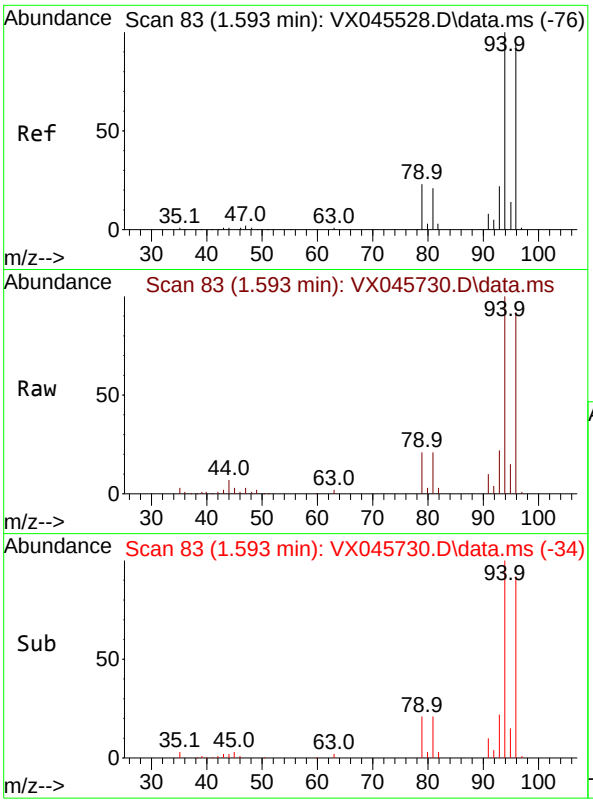


#4
Vinyl Chloride
Concen: 45.237 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 61876

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3

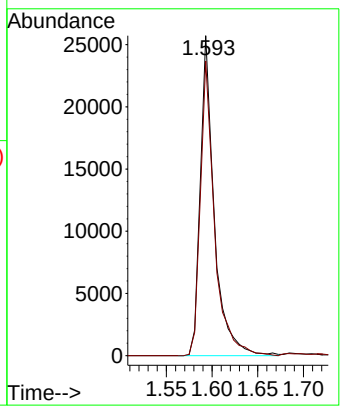




#5
Bromomethane
Concen: 42.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 94 Resp: 2726

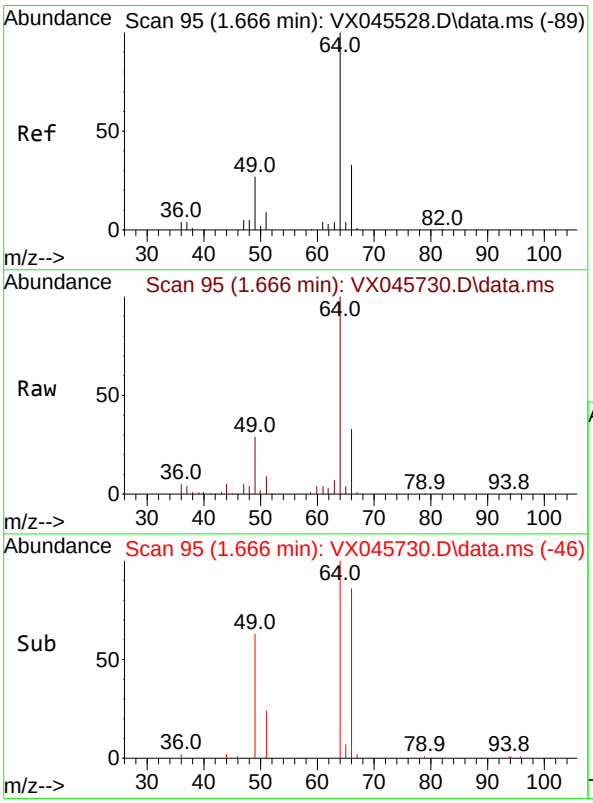
Ion	Ratio	Lower	Upper
94	100		
96	92.1	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

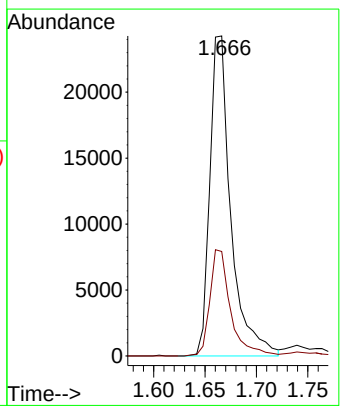
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

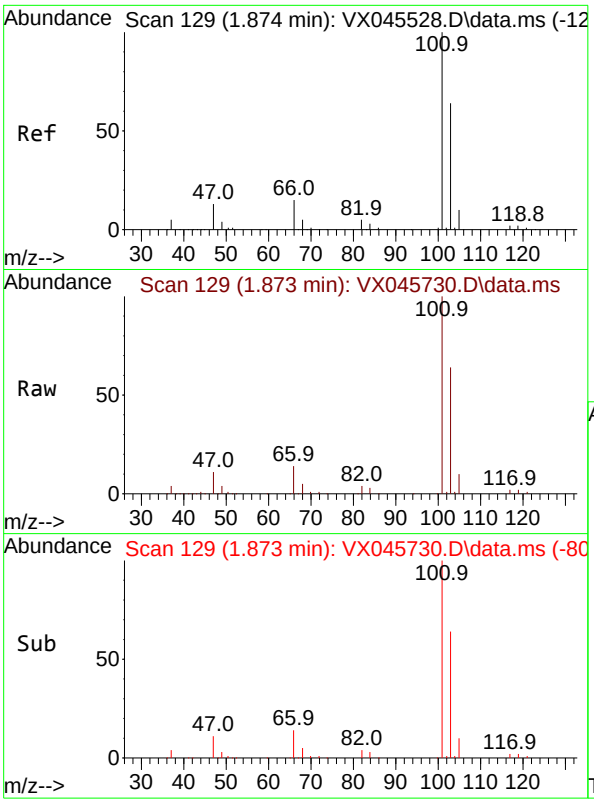


#6
Chloroethane
Concen: 47.617 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 64 Resp: 34556

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.3	39.5

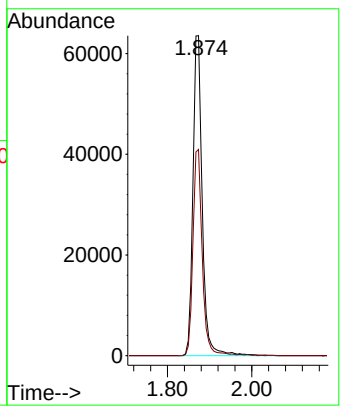




#7
Trichlorofluoromethane
Concen: 47.866 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:101 Resp: 9763

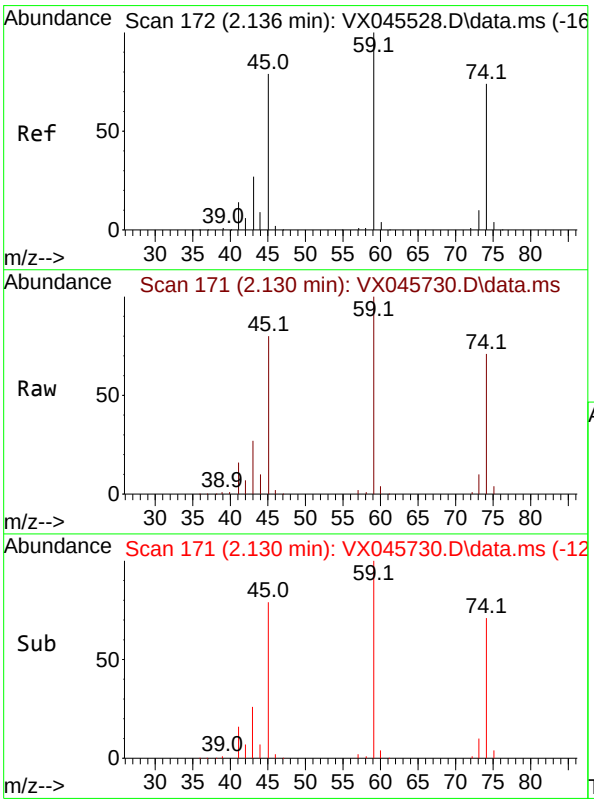
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

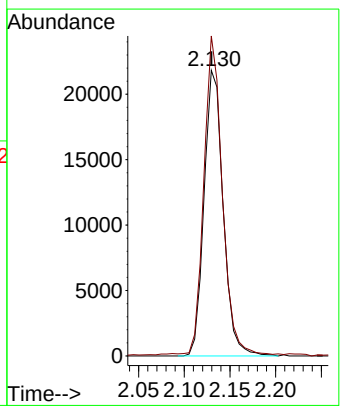
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

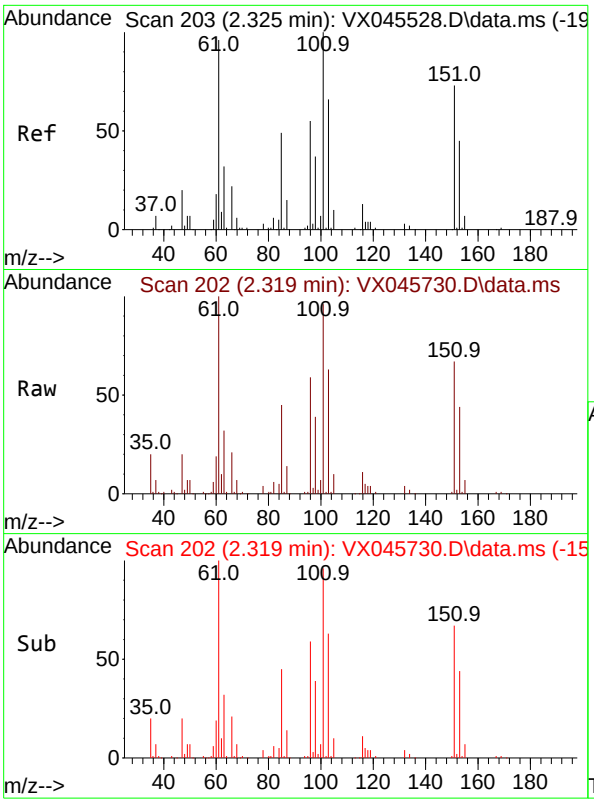


#8
Diethyl Ether
Concen: 46.277 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 74 Resp: 31690

Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.246 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

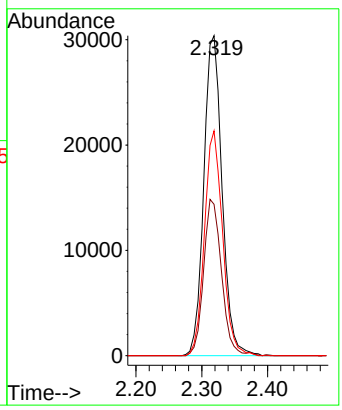
Tgt Ion:101 Resp: 5885

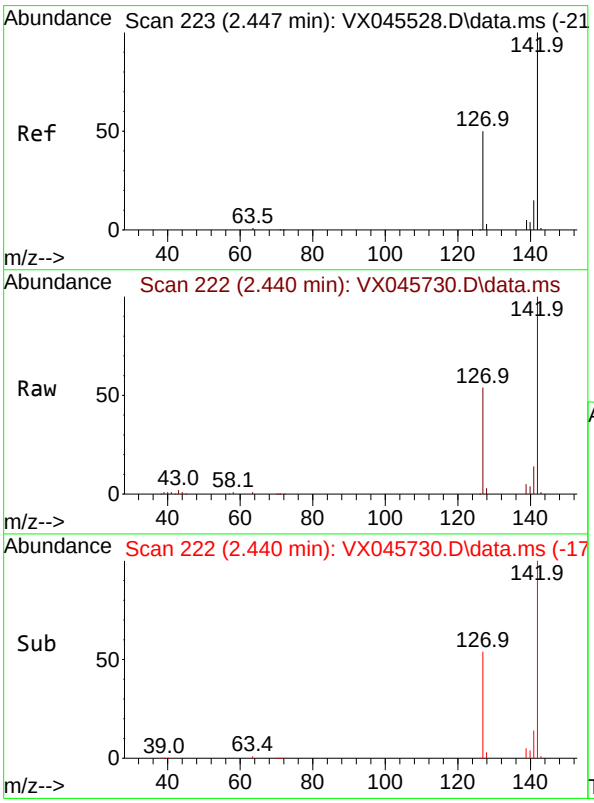
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	69.5	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

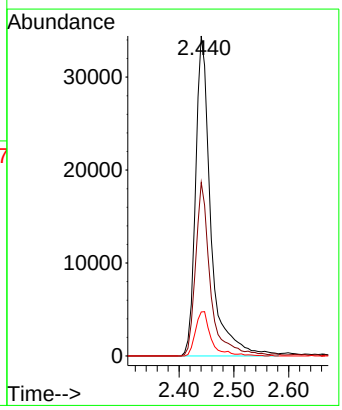


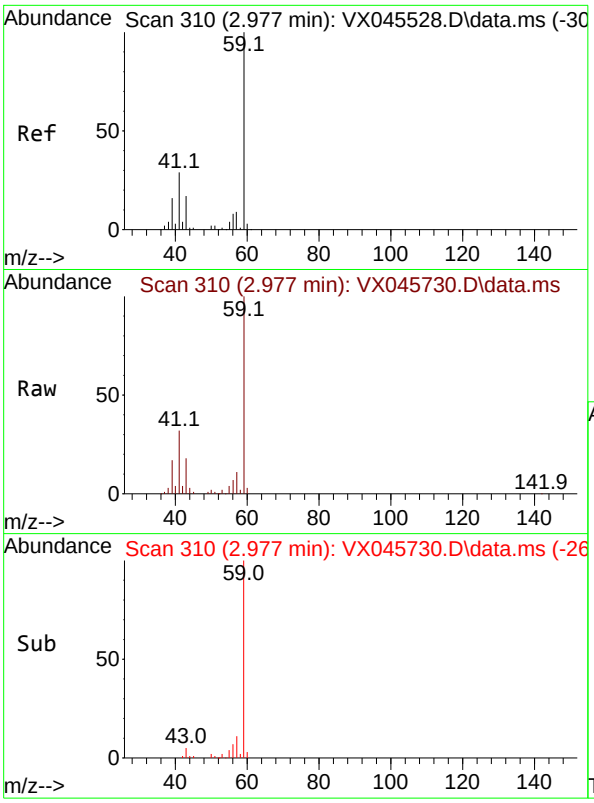


#10
Methyl Iodide
Concen: 45.000 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:142 Resp: 67086

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.2	60.4
141	14.2	11.7	17.5





#11
Tert butyl alcohol
Concen: 252.369 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

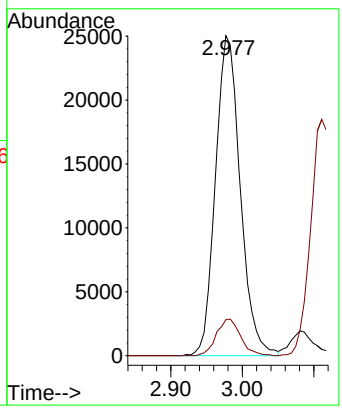
Tgt Ion: 59 Resp: 6033

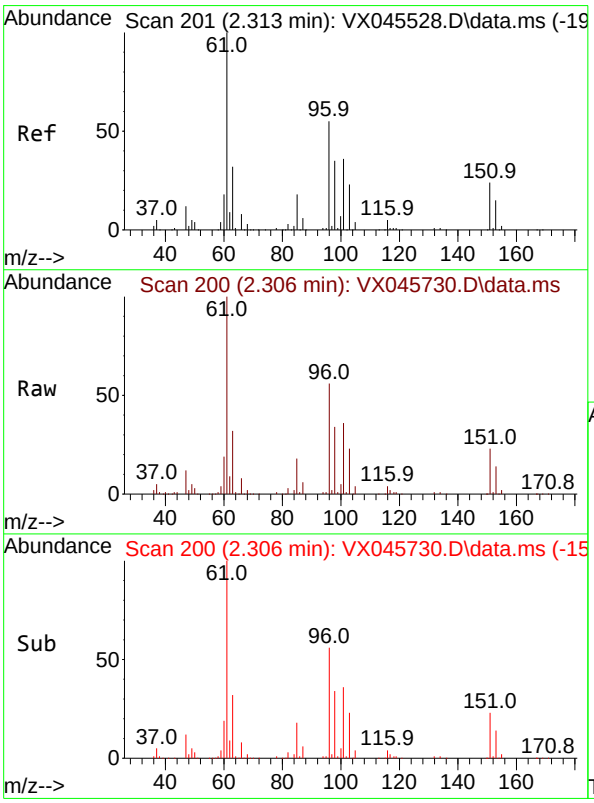
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

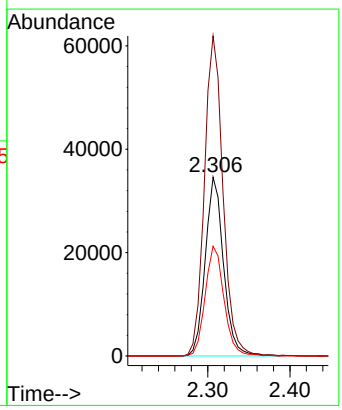


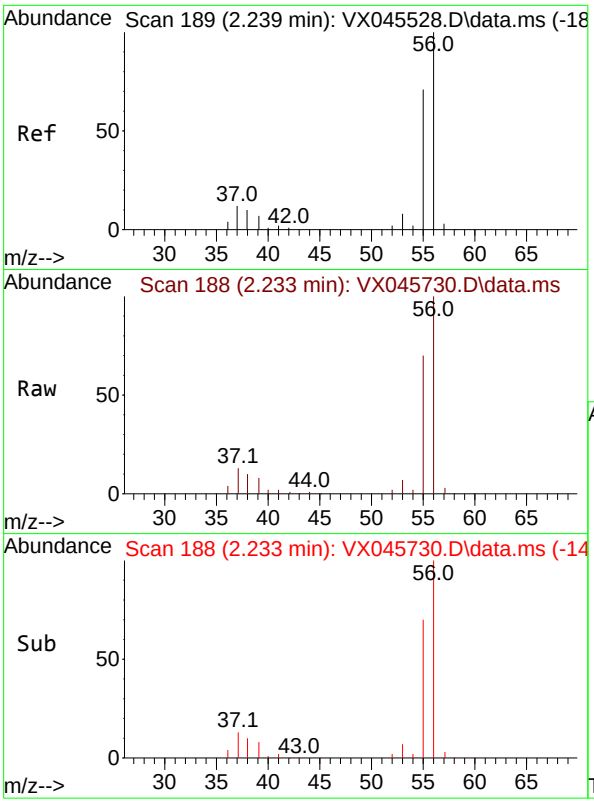


#12
1,1-Dichloroethene
Concen: 45.743 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 53422

Ion	Ratio	Lower	Upper
96	100		
61	179.0	145.7	218.5
98	61.4	51.6	77.4

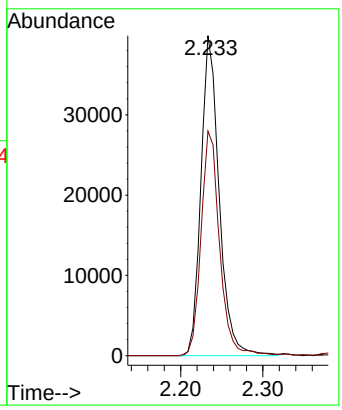




#13
Acrolein
Concen: 186.241 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 56 Resp: 6131

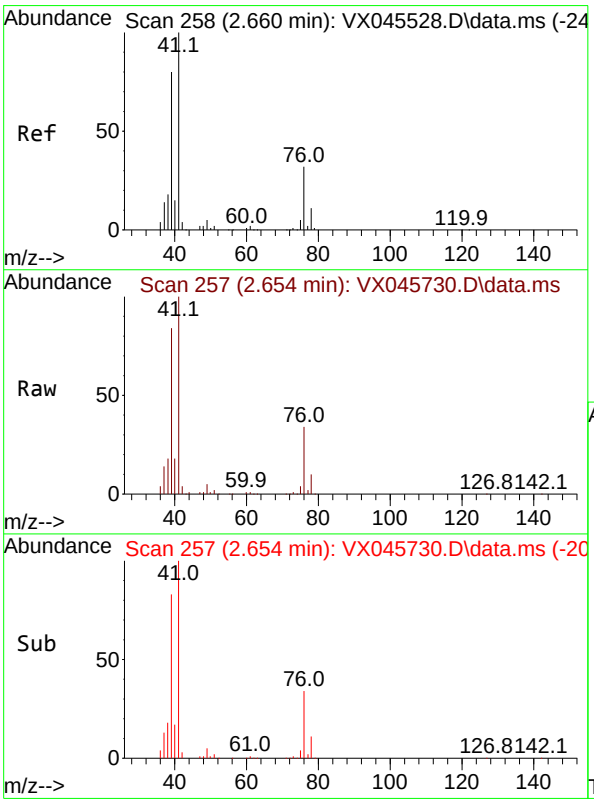
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

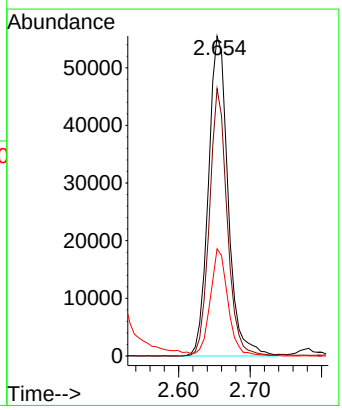
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

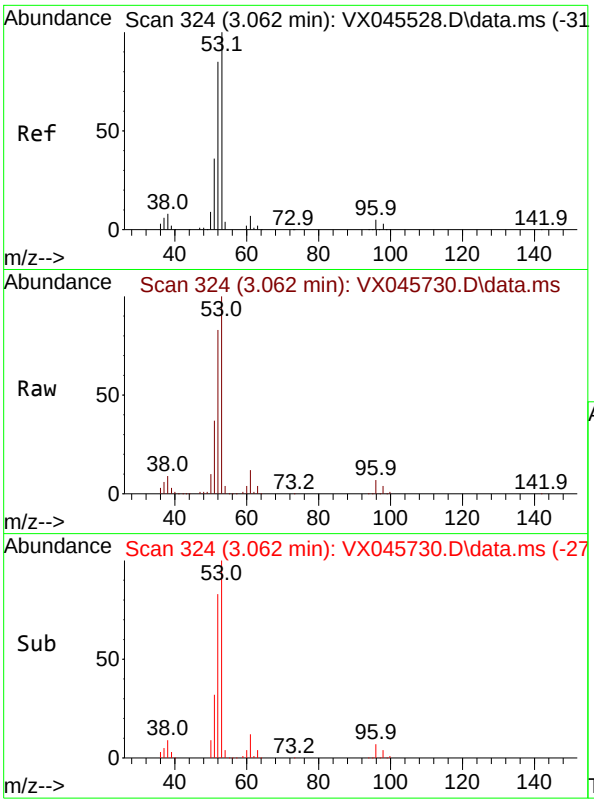


#14
Allyl chloride
Concen: 47.870 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 106077

Ion	Ratio	Lower	Upper
41	100		
39	75.3	60.2	90.2
76	30.2	24.6	36.8

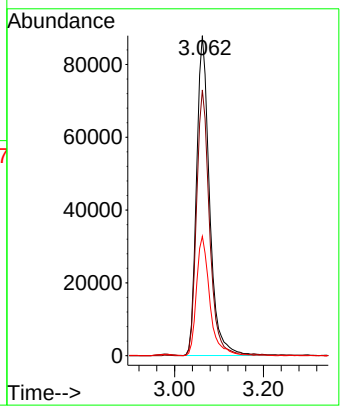




#15
Acrylonitrile
Concen: 237.140 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 53 Resp: 17897

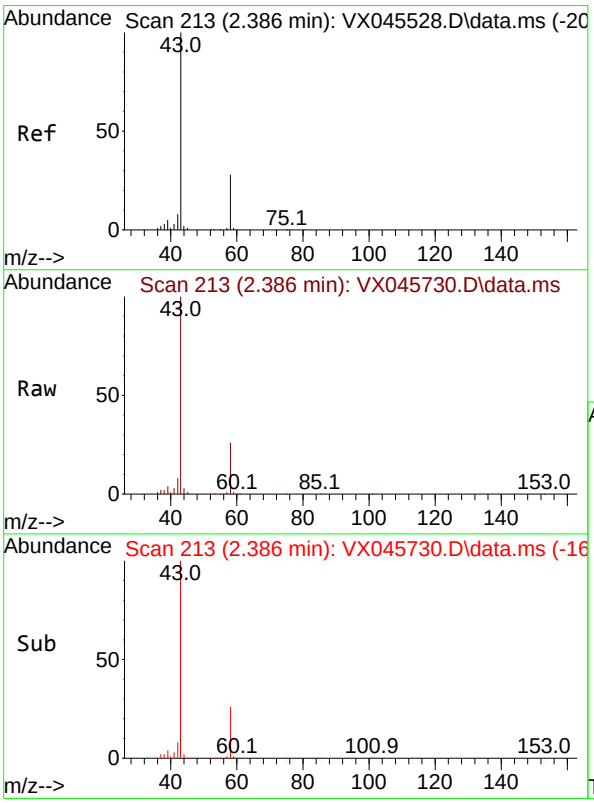
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.4	101.2
51	38.2	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

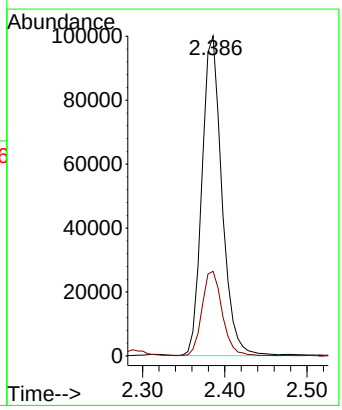
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

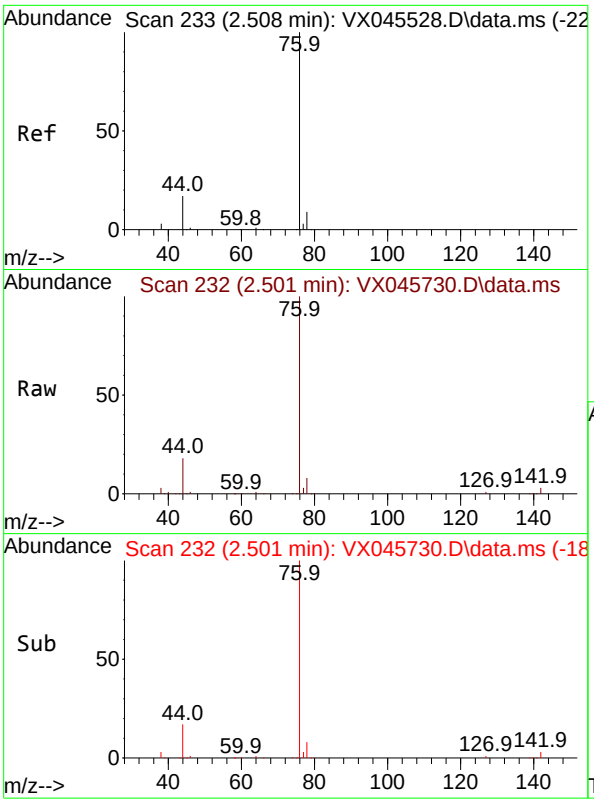


#16
Acetone
Concen: 230.867 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 168655

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5





#17
Carbon Disulfide
Concen: 40.054 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

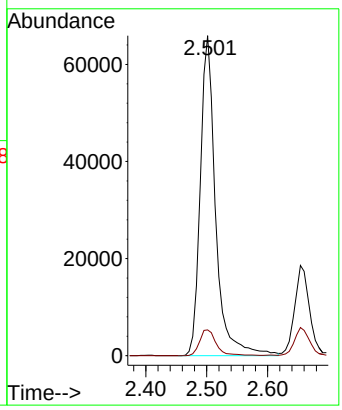
Tgt Ion: 76 Resp: 11553

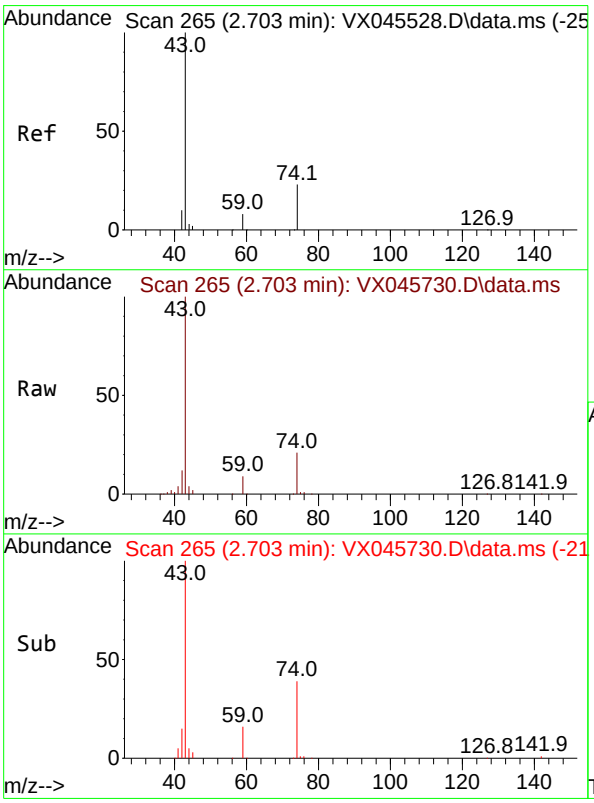
Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

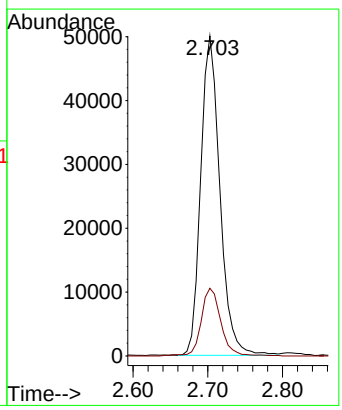


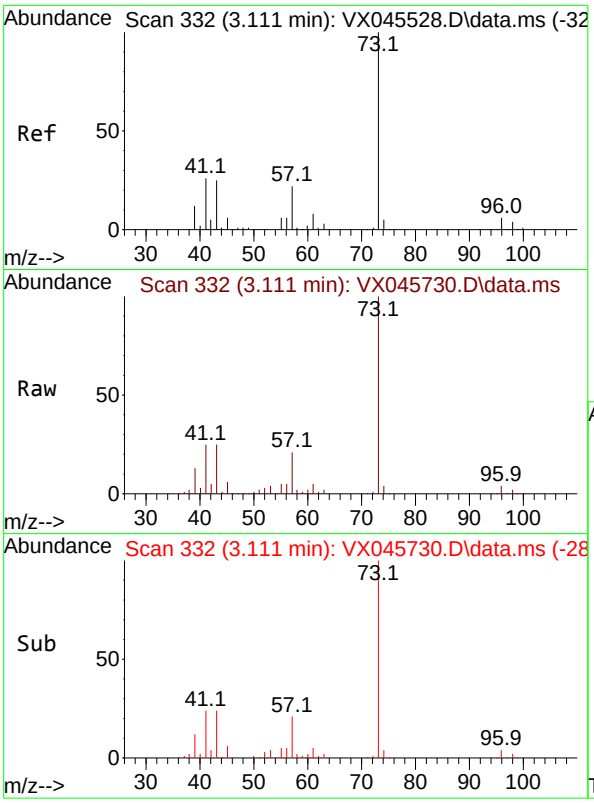


#18
Methyl Acetate
Concen: 52.996 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 89137

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3





#19
Methyl tert-butyl Ether
Concen: 49.222 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

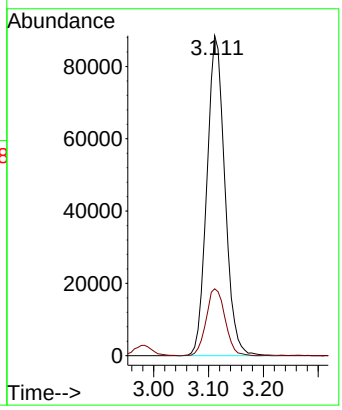
Tgt Ion: 73 Resp: 20109

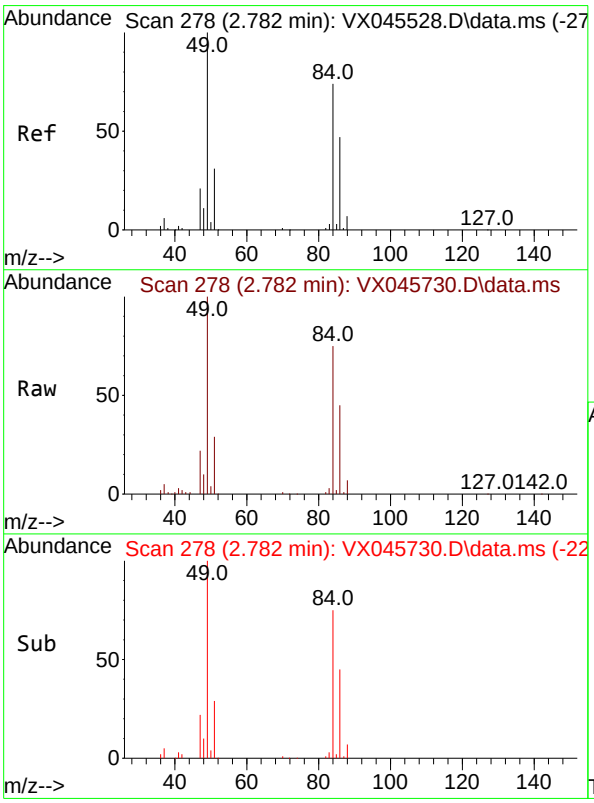
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

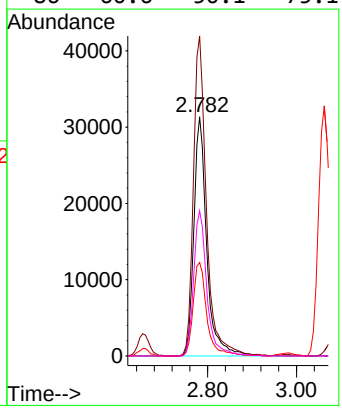


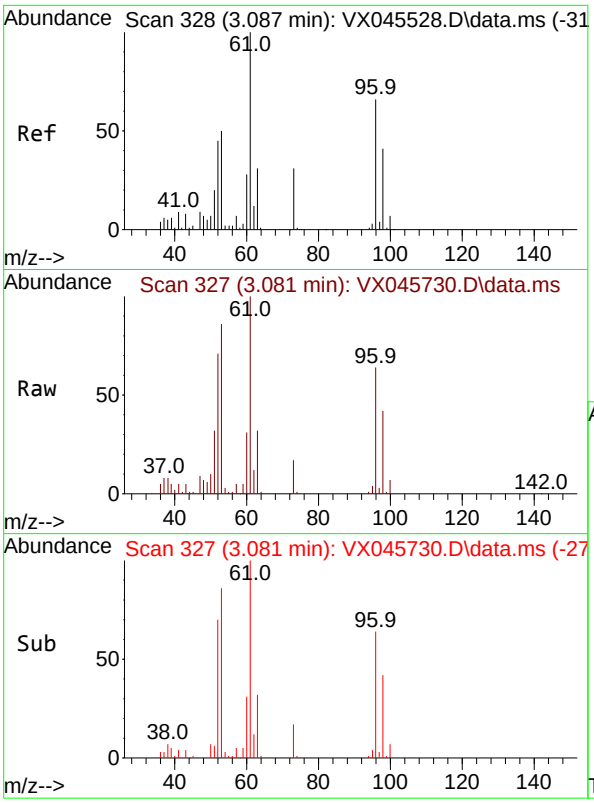


#20
Methylene Chloride
Concen: 46.141 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 84 Resp: 63104

Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.5	161.3
51	39.1	33.0	49.6
86	60.6	50.1	75.1

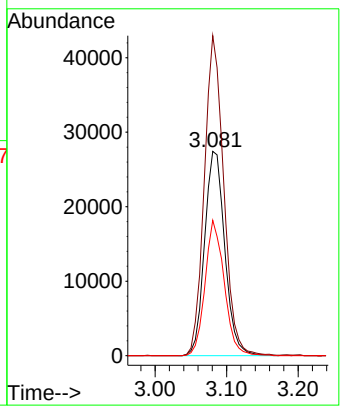




#21
trans-1,2-Dichloroethene
Concen: 45.197 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 5392

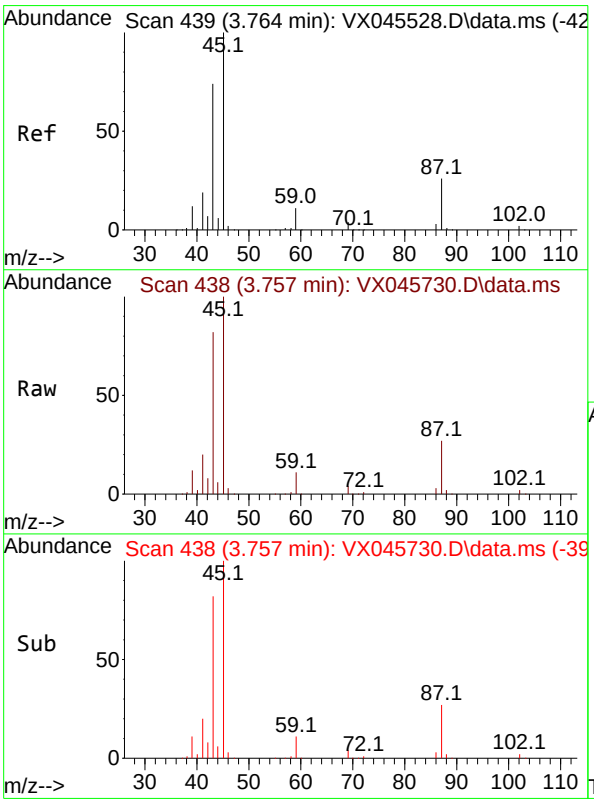
Ion	Ratio	Lower	Upper
96	100		
61	156.7	121.0	181.6
98	66.2	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

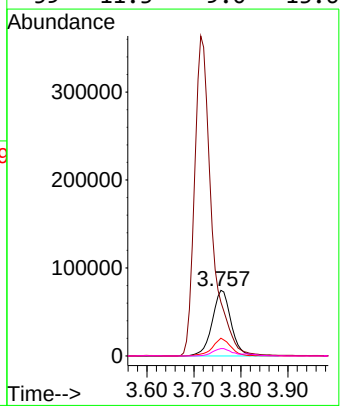
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

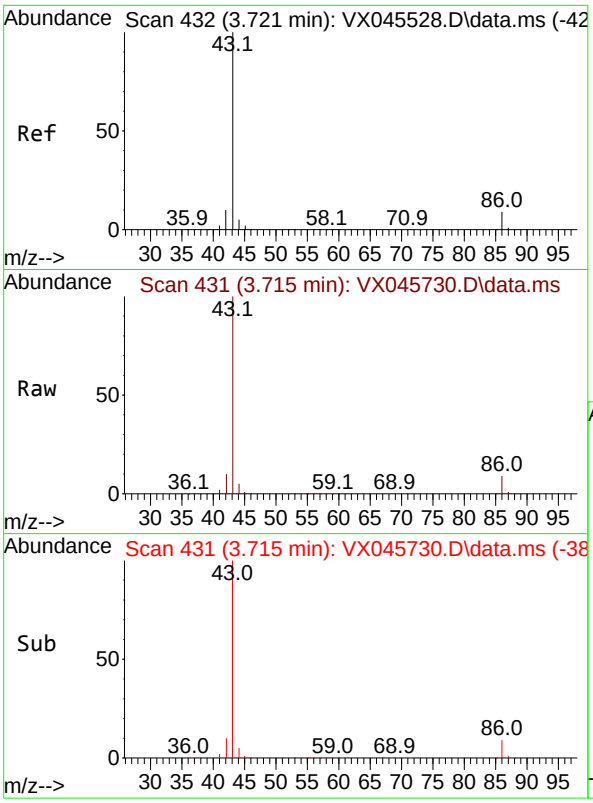


#22
Diisopropyl ether
Concen: 47.818 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 45 Resp: 208728

Ion	Ratio	Lower	Upper
45	100		
43	82.0	59.3	88.9
87	27.2	20.4	30.6
59	11.3	9.0	13.6





#23
Vinyl Acetate
Concen: 246.059 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

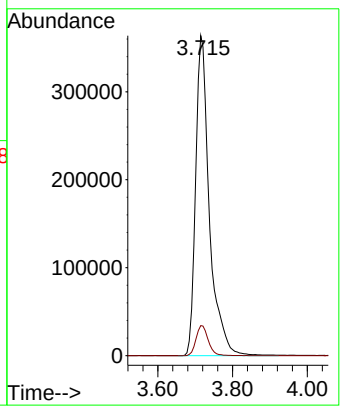
Tgt Ion: 43 Resp: 92797

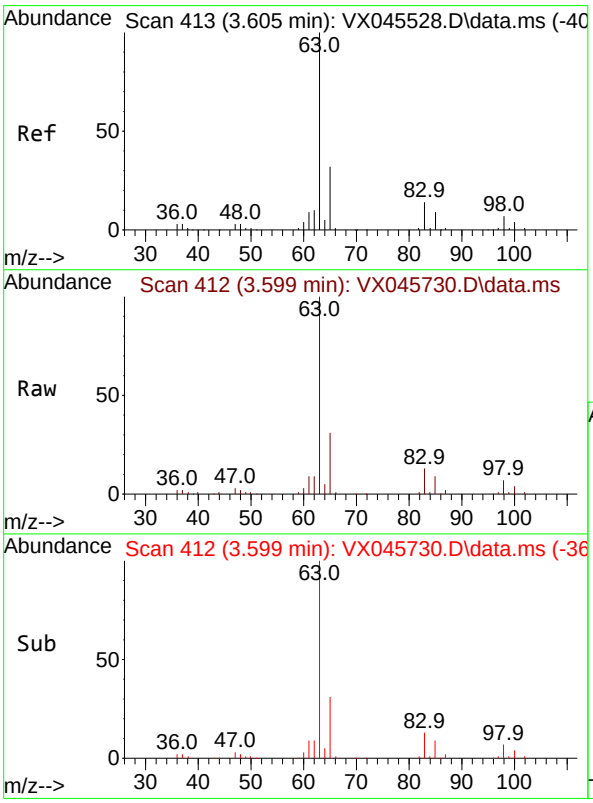
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

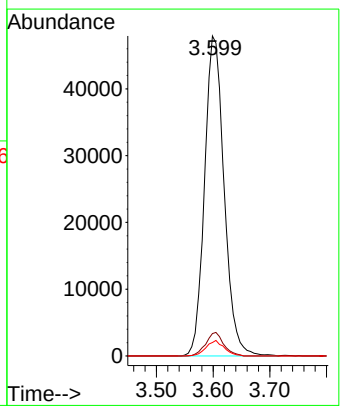


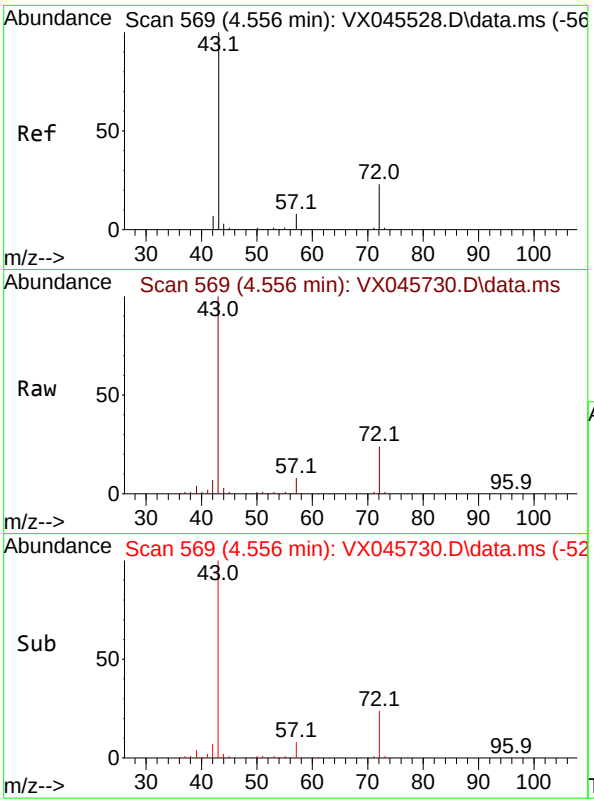


#24
1,1-Dichloroethane
Concen: 46.549 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 114911

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.2	2.2	6.6

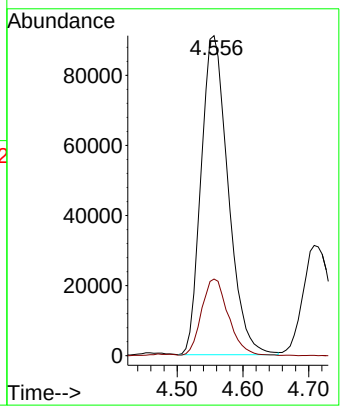




#25
2-Butanone
Concen: 243.647 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 26054

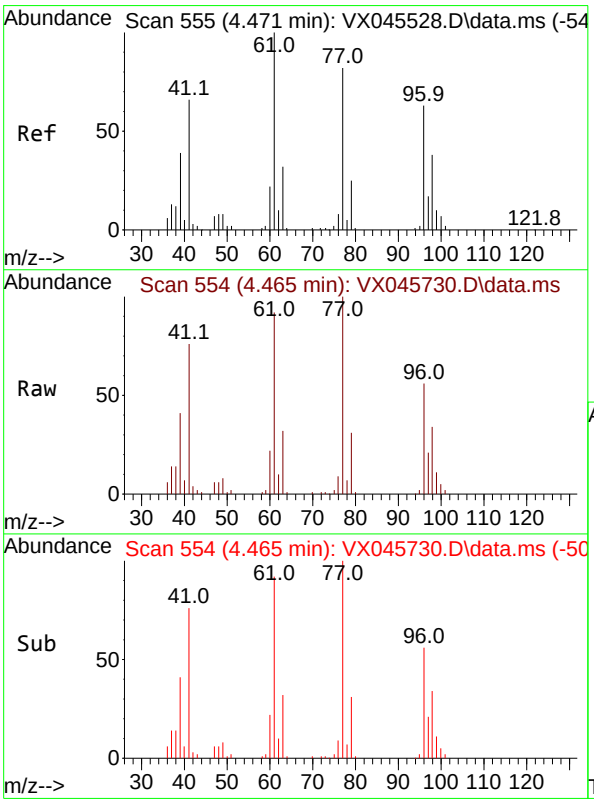
Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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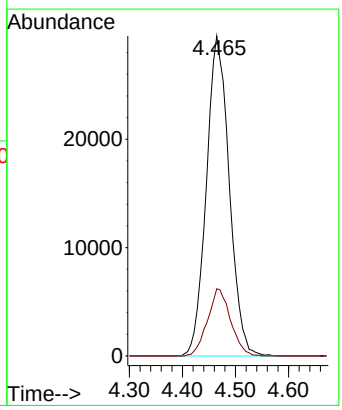
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

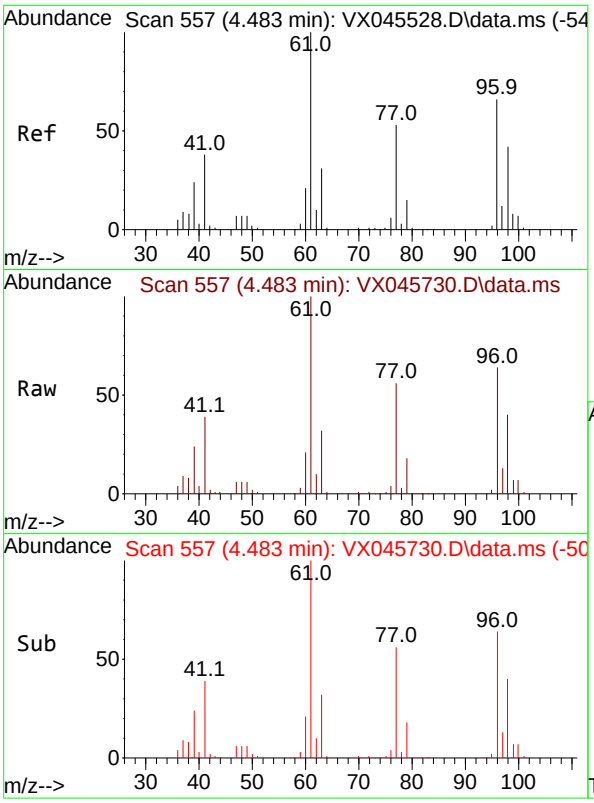


#26
2,2-Dichloropropane
Concen: 55.416 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 77 Resp: 88385

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

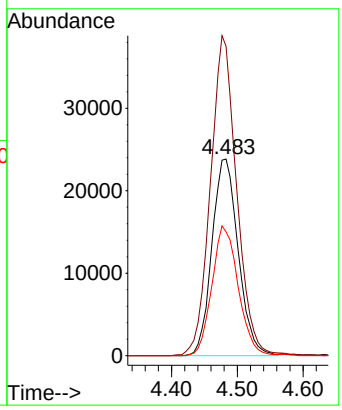




#27
cis-1,2-Dichloroethene
Concen: 45.644 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 6635

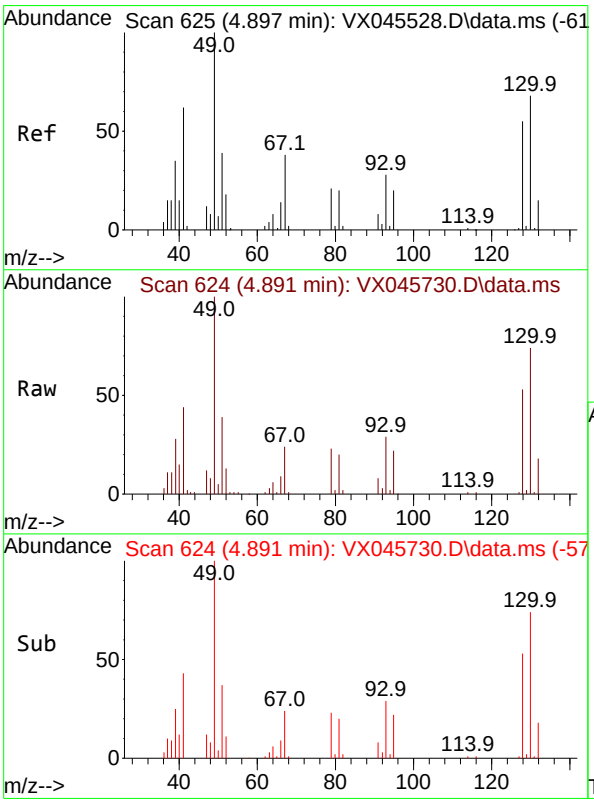
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	313.2
98	66.0	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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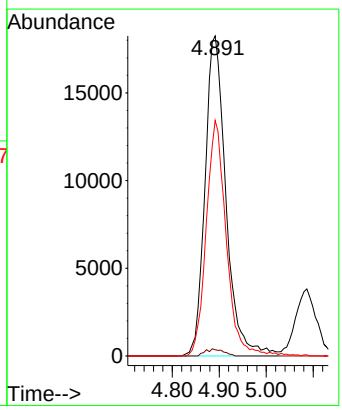
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

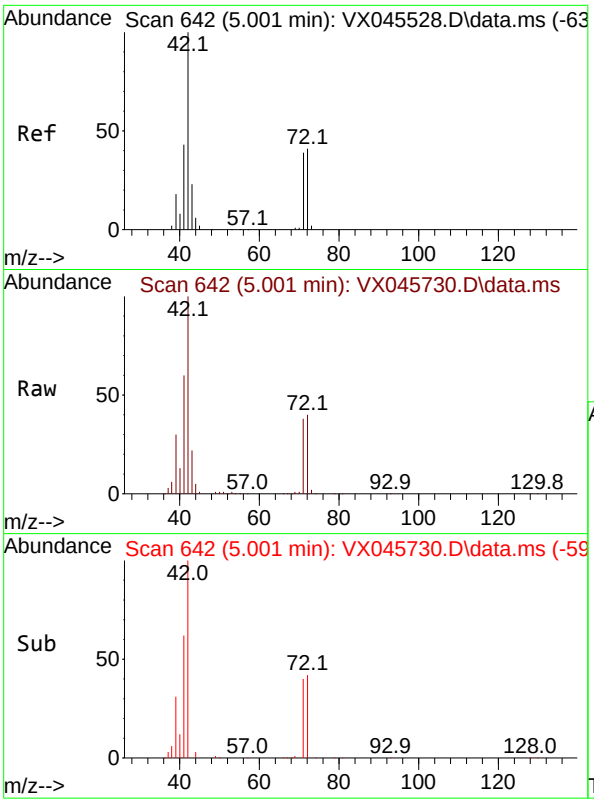


#28
Bromochloromethane
Concen: 47.331 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 49 Resp: 56463

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	69.6	54.6	81.8





#29
Tetrahydrofuran
Concen: 236.531 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

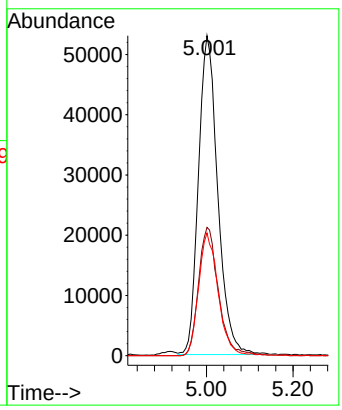
Tgt Ion: 42 Resp: 16398

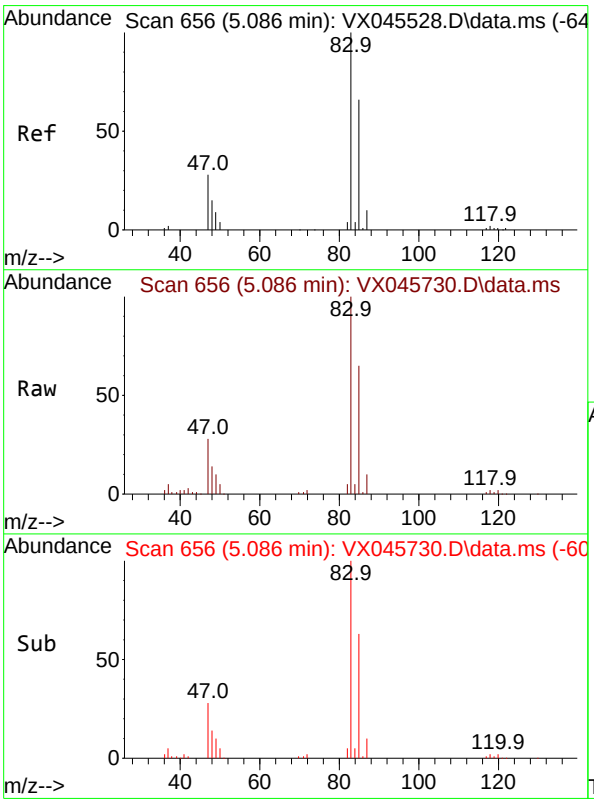
Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.4	50.0
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

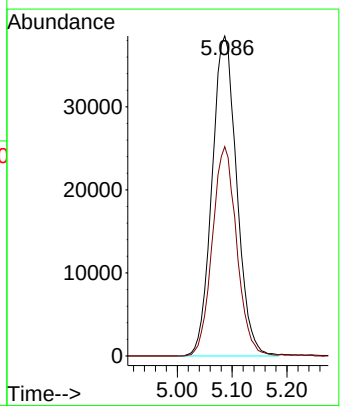


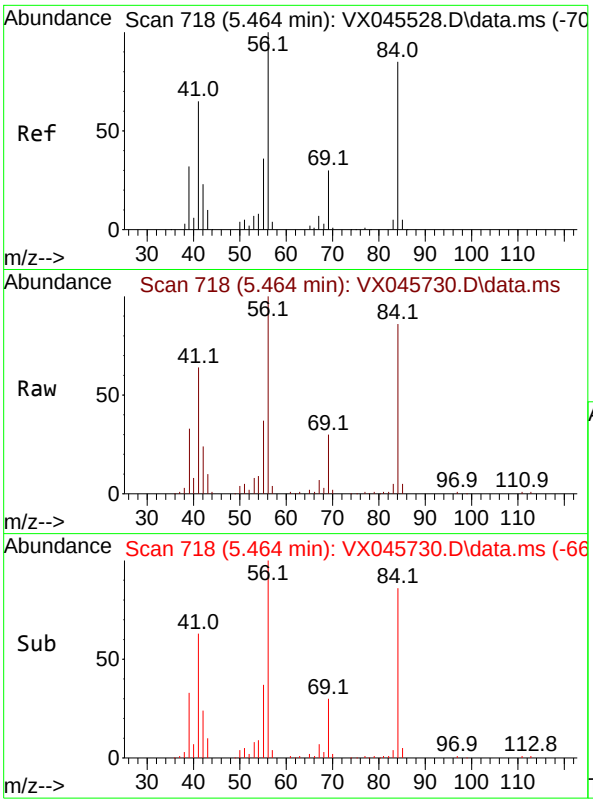


#30
Chloroform
Concen: 47.500 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 120655

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.8	79.2





#31
Cyclohexane
Concen: 45.918 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

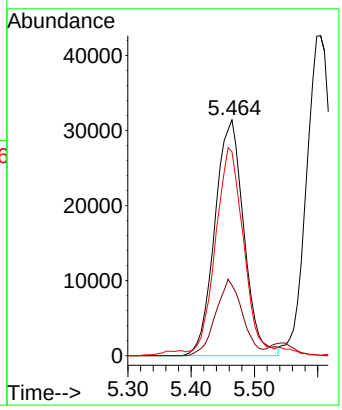
Tgt Ion: 56 Resp: 10020

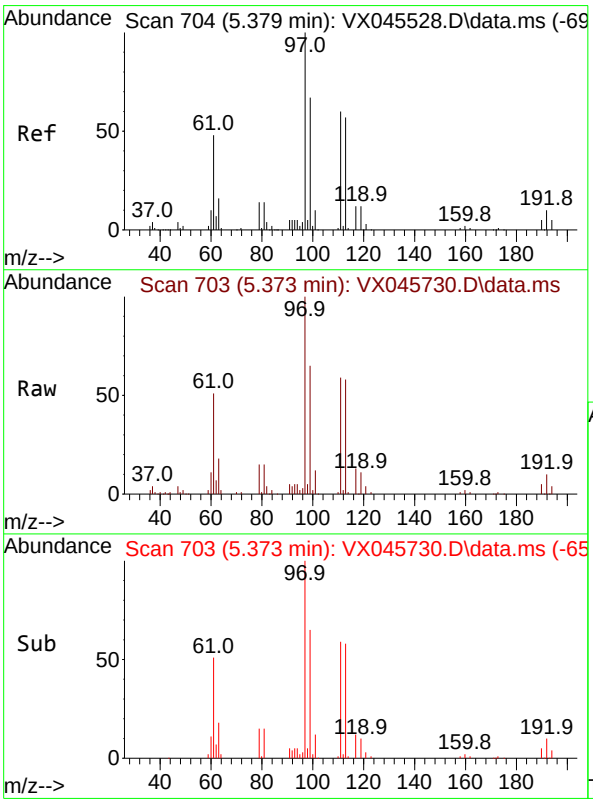
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	84.4	67.7	101.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

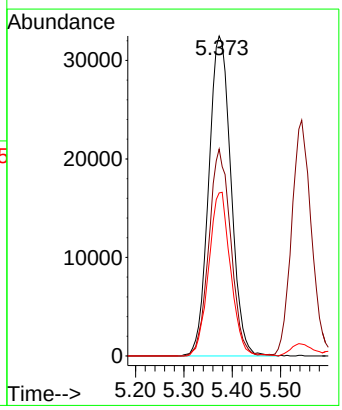


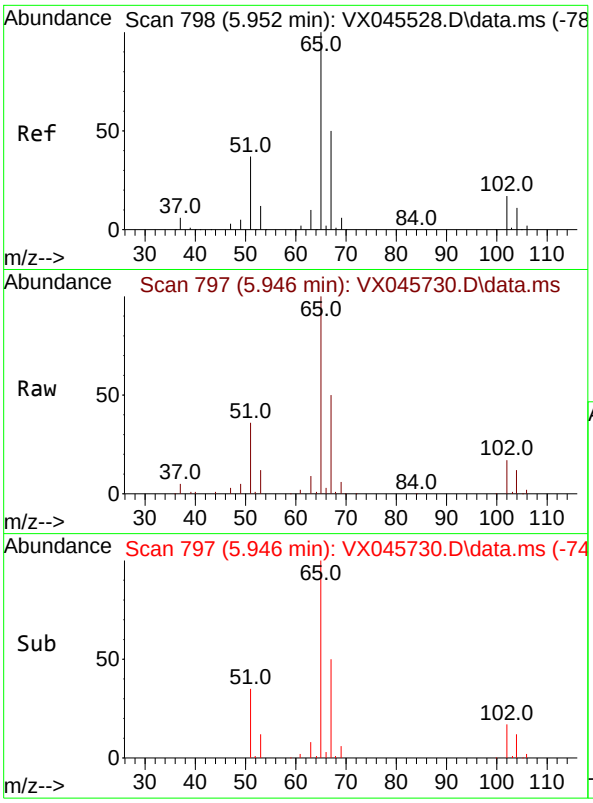


#32
1,1,1-Trichloroethane
Concen: 48.281 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 97 Resp: 103773

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	50.3	41.0	61.4

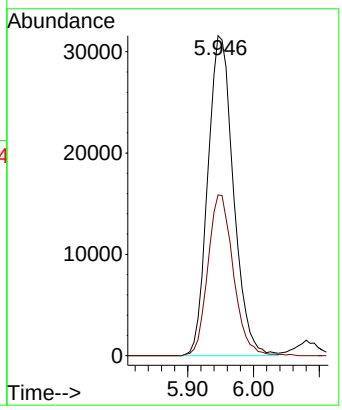




#33
1,2-Dichloroethane-d4
Concen: 48.100 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 65 Resp: 8557

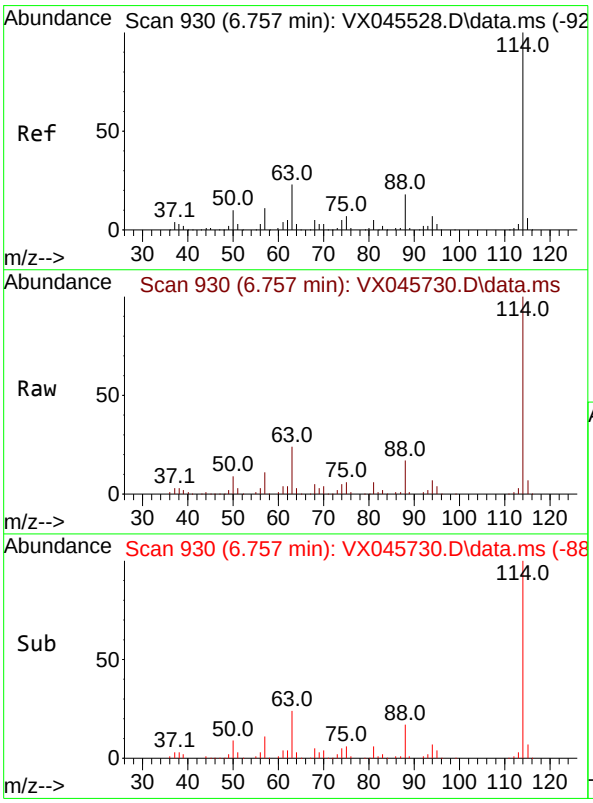
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

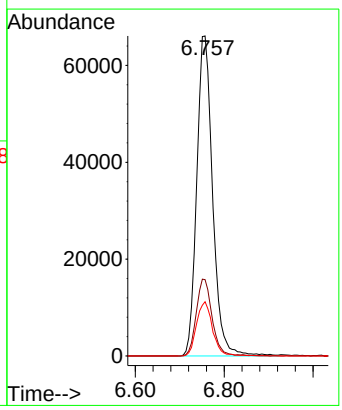
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

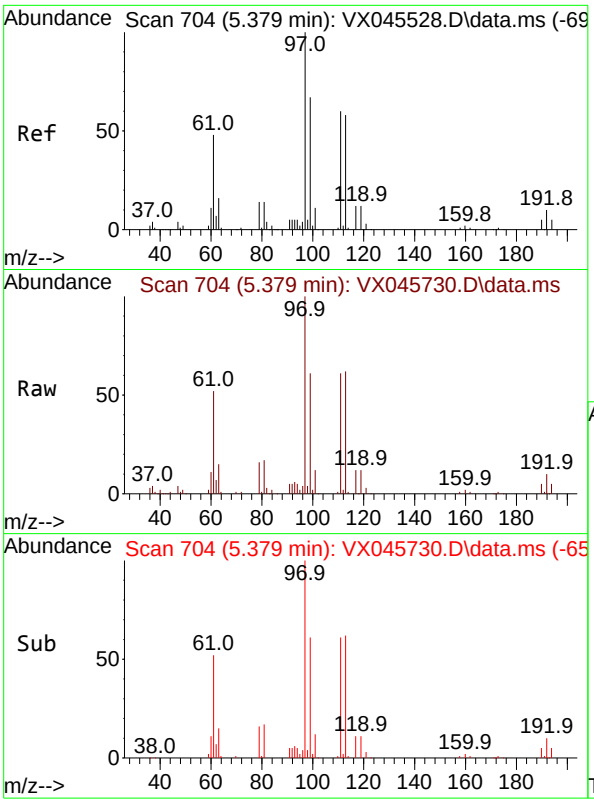


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:114 Resp: 164714

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	46.8
88	17.0	0.0	35.4

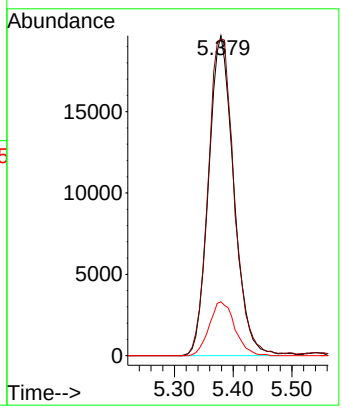




#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:113 Resp: 5825

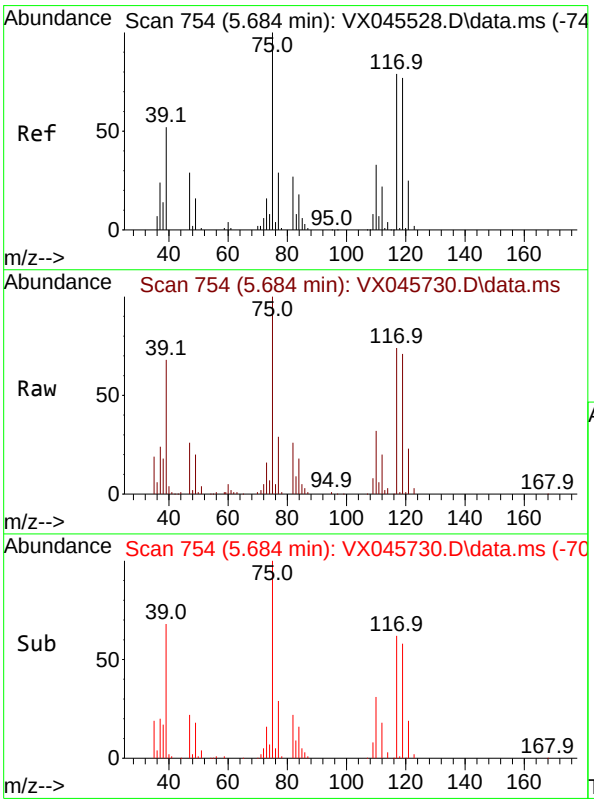
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

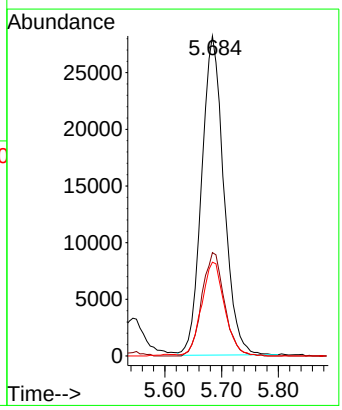
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

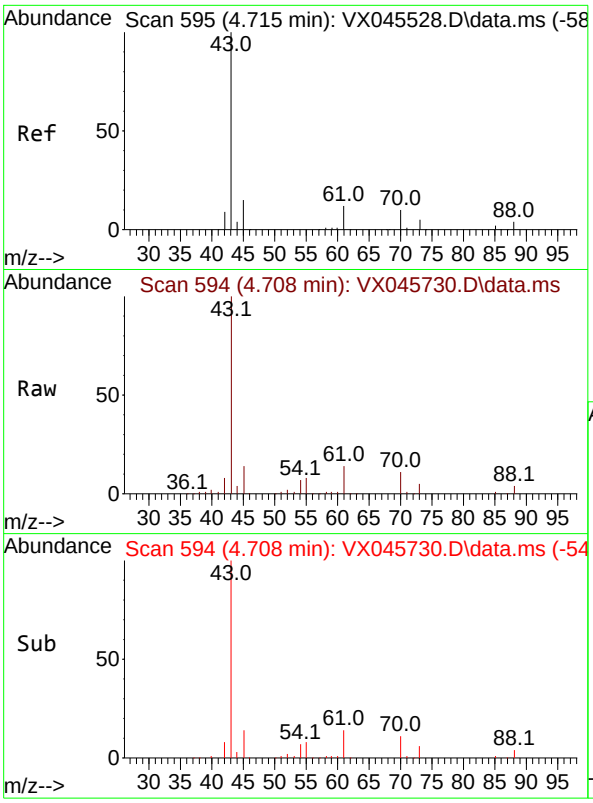


#36
1,1-Dichloropropene
Concen: 48.508 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 76541

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.6	25.0	37.4

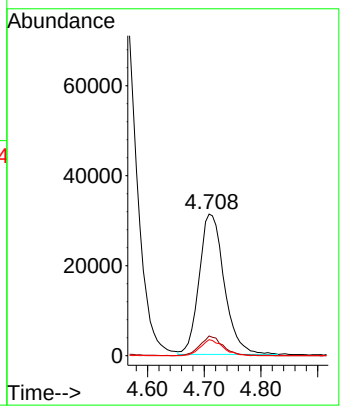




#37
Ethyl Acetate
Concen: 48.194 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 9583

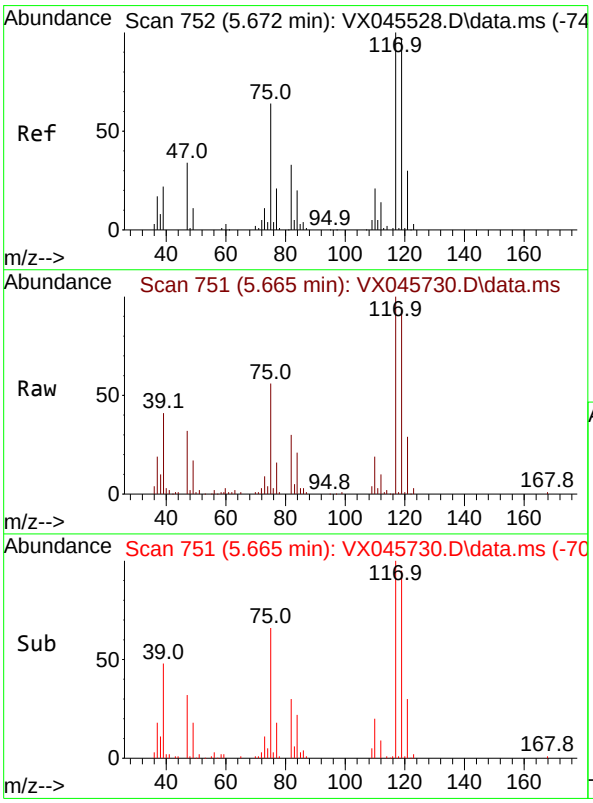
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.1	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

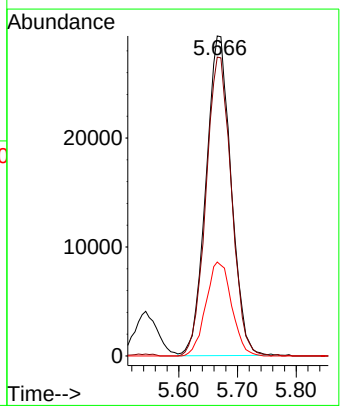
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

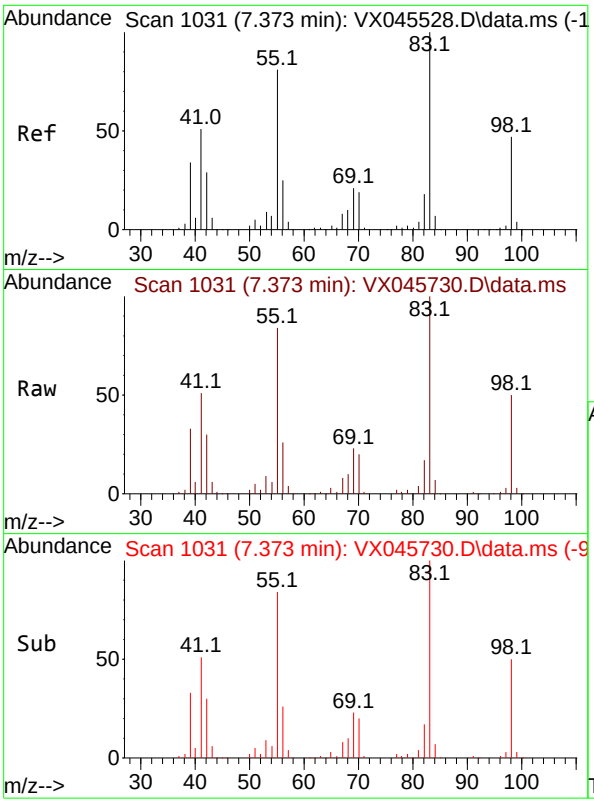


#38
Carbon Tetrachloride
Concen: 51.101 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 87144

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.9	115.3
121	29.4	24.2	36.2

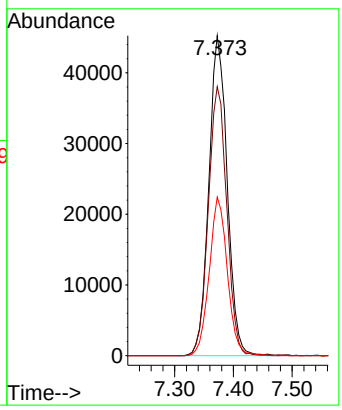




#39
Methylcyclohexane
Concen: 50.764 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9818

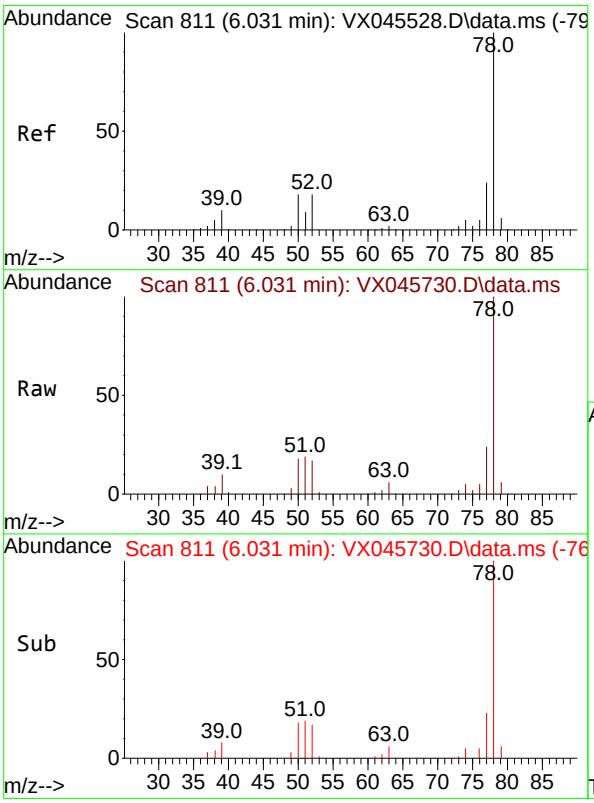
Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.9	97.3
98	49.5	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

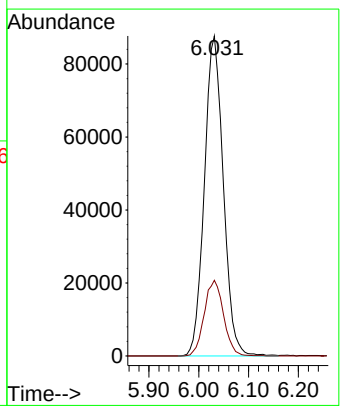
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

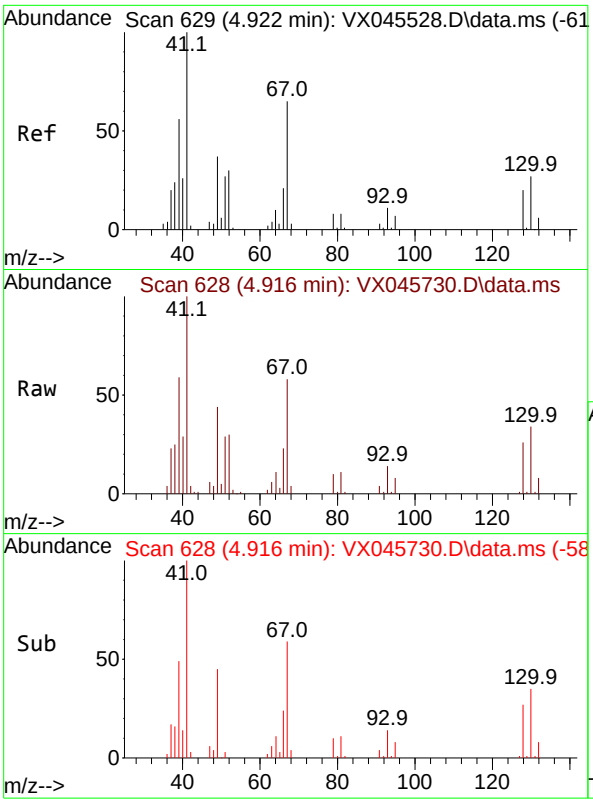


#40
Benzene
Concen: 47.983 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 78 Resp: 231234

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6

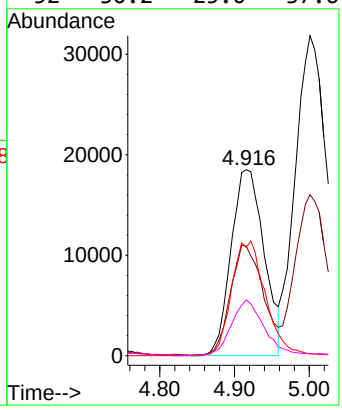




#41
Methacrylonitrile
Concen: 54.255 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 5692

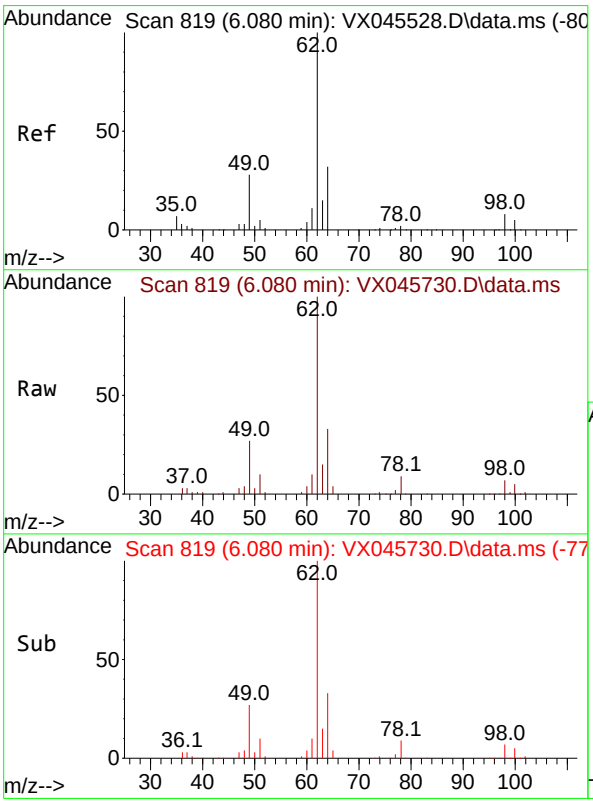
Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.0	70.6
67	63.4	53.2	79.8
52	30.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

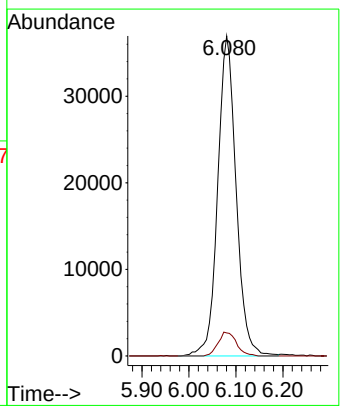
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

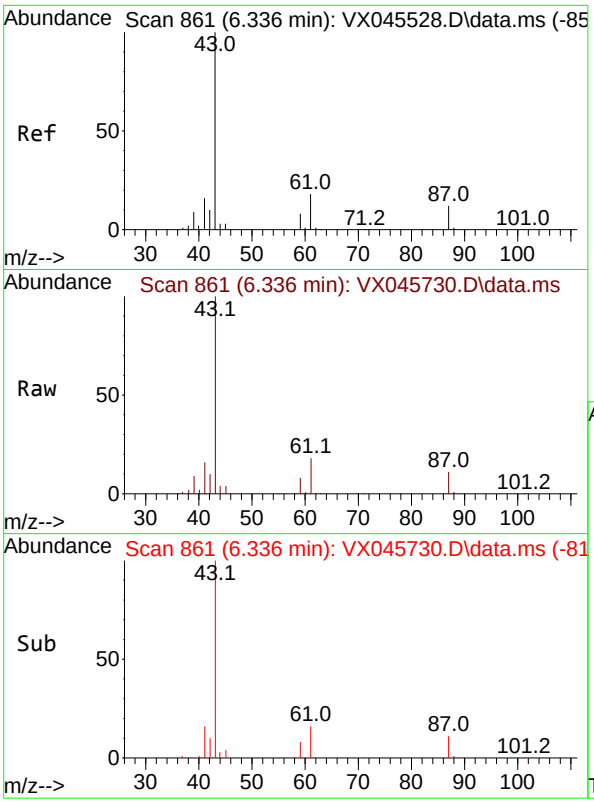


#42
1,2-Dichloroethane
Concen: 50.595 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 100704

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.534 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

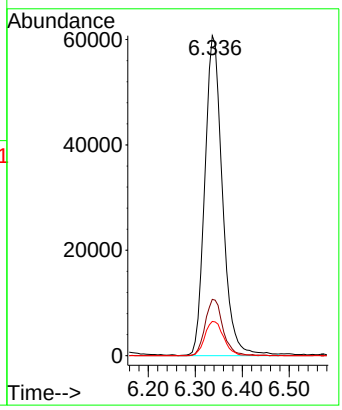
Tgt Ion: 43 Resp: 15832

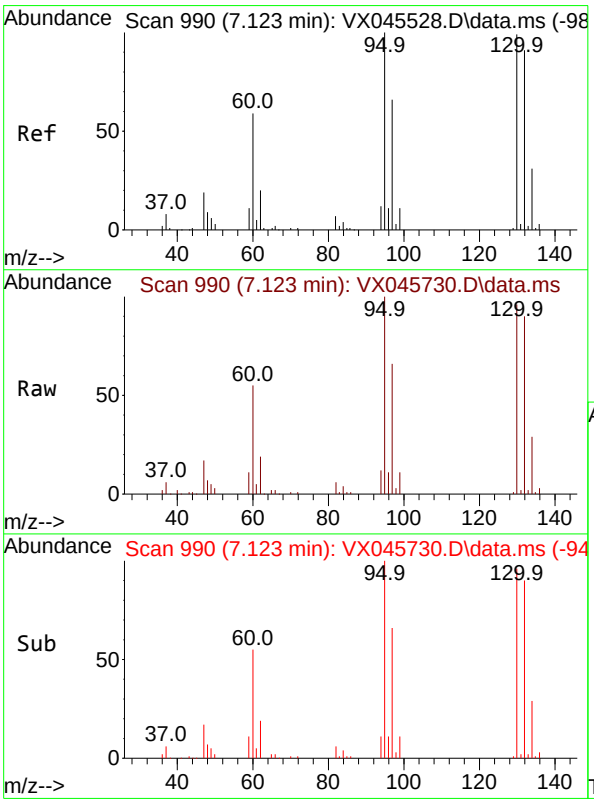
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

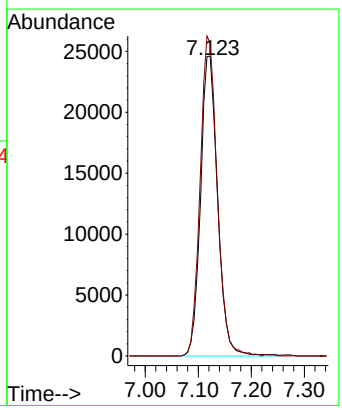


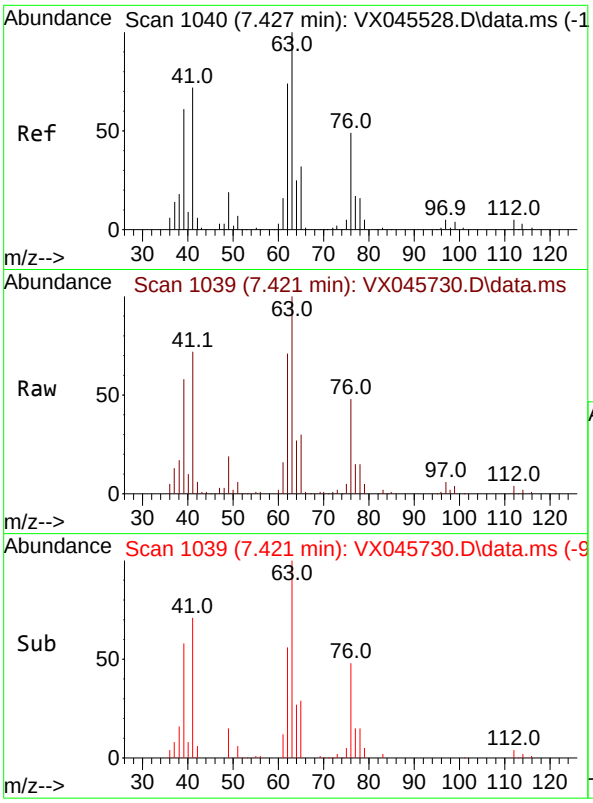


#44
Trichloroethene
Concen: 48.127 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:130 Resp: 55126

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	202.0

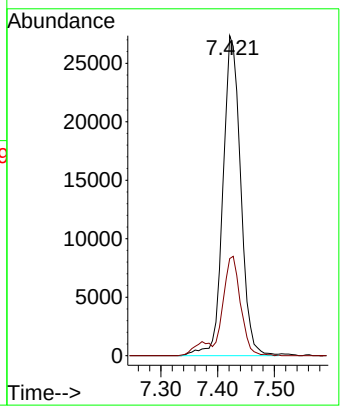




#45
1,2-Dichloropropane
Concen: 49.393 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 5939

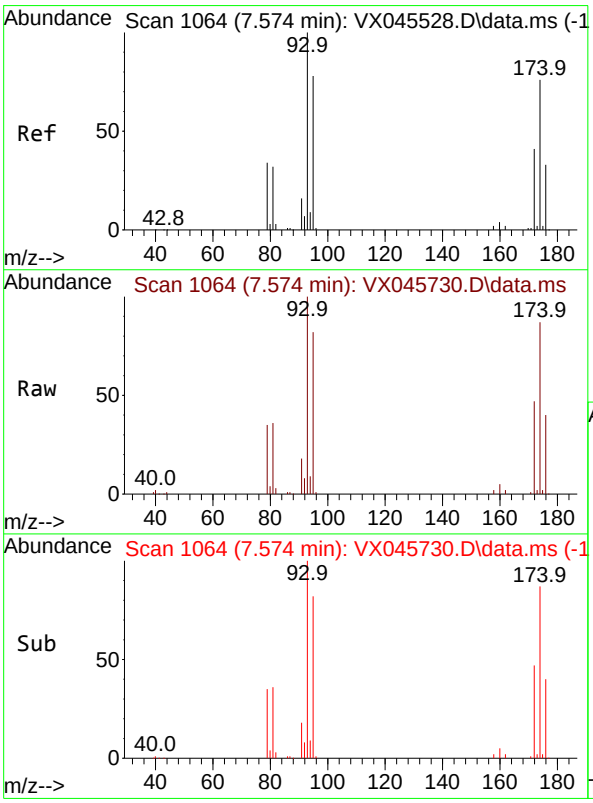
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

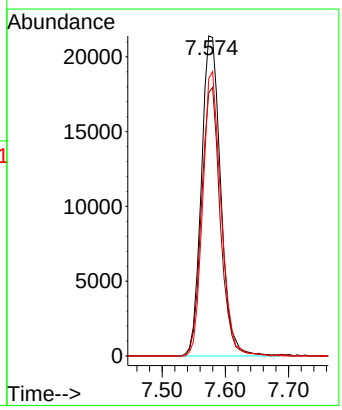
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

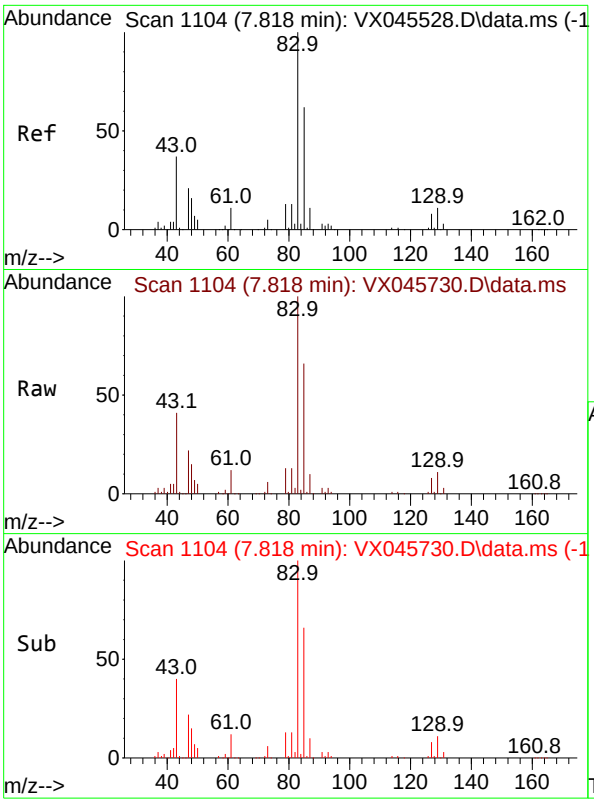


#46
Dibromomethane
Concen: 49.152 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 93 Resp: 45368

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.8	97.2
174	84.2	65.4	98.0

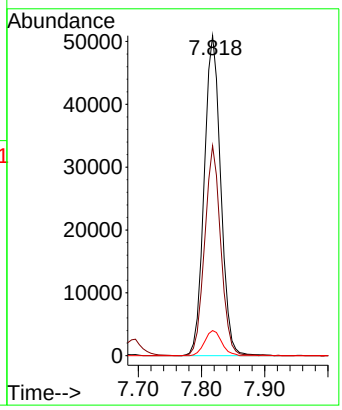




#47
Bromodichloromethane
Concen: 50.194 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9252

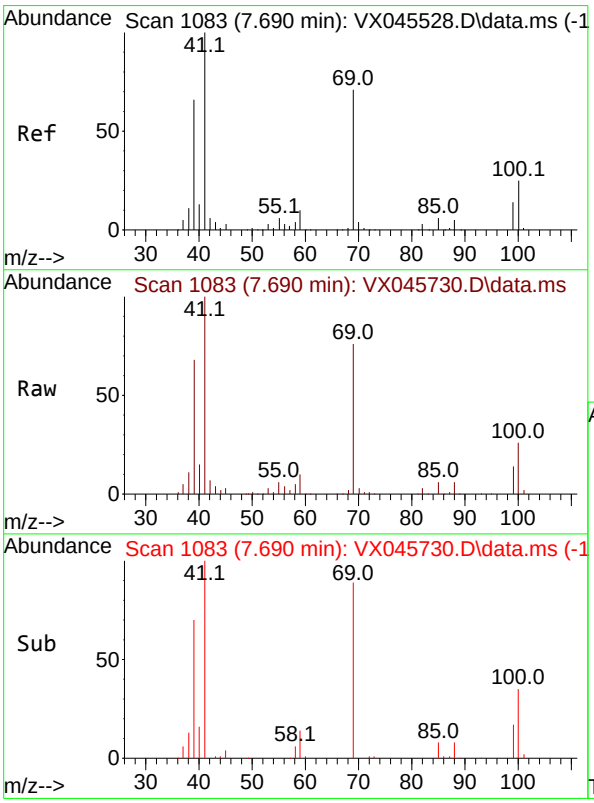
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.7	74.5
127	7.9	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

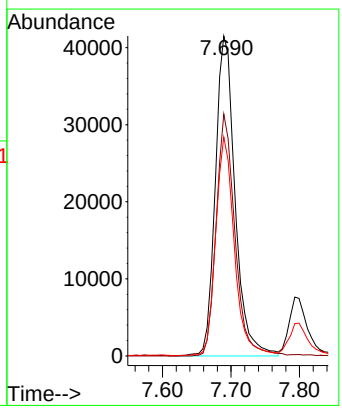
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

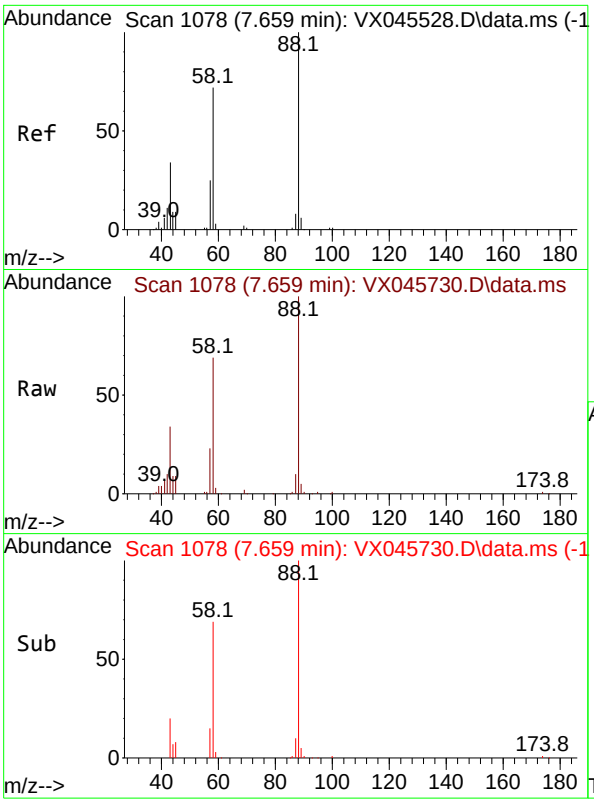


#48
Methyl methacrylate
Concen: 53.257 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 82873

Ion	Ratio	Lower	Upper
41	100		
69	71.8	58.2	87.2
39	65.4	53.6	80.4

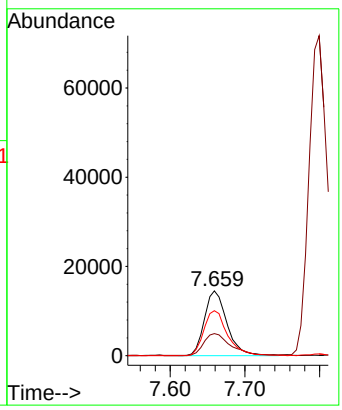




#49
1,4-Dioxane
Concen: 1080.494 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 88 Resp: 3042

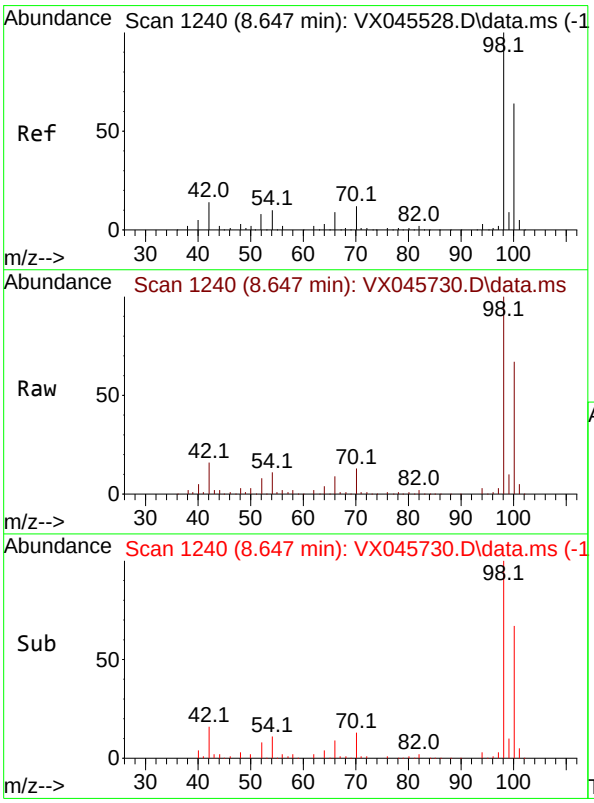
Ion	Ratio	Lower	Upper
88	100		
43	39.5	32.2	48.4
58	72.8	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

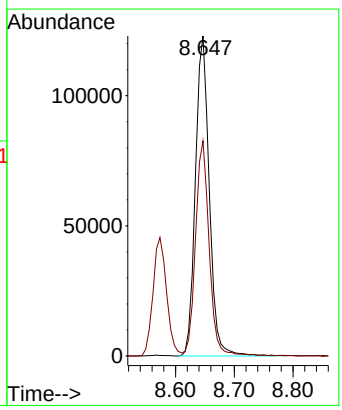
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

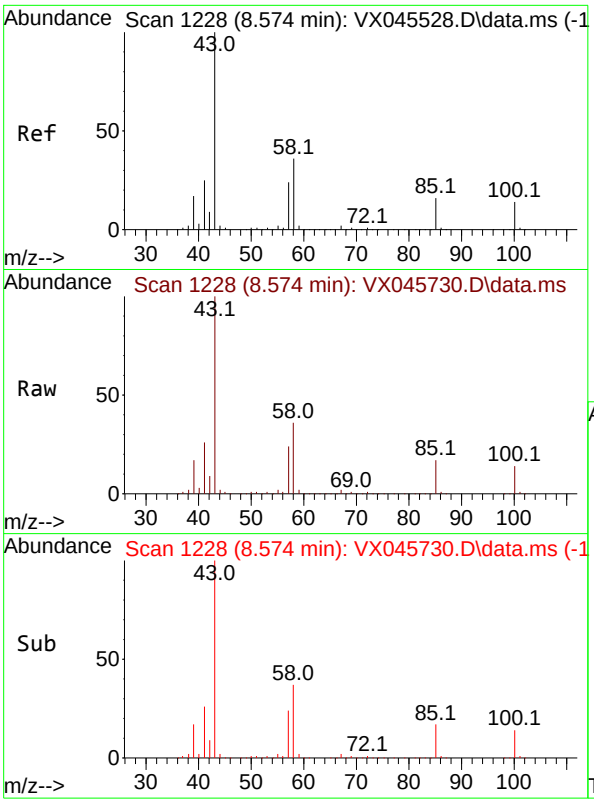


#50
Toluene-d8
Concen: 49.525 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 98 Resp: 202013

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

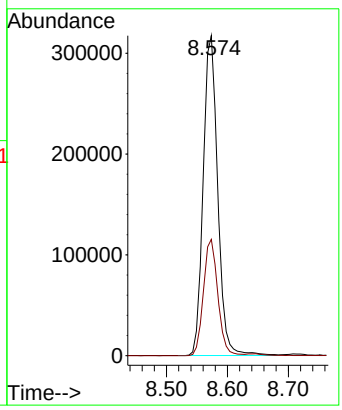




#51
4-Methyl-2-Pentanone
Concen: 263.661 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 52677

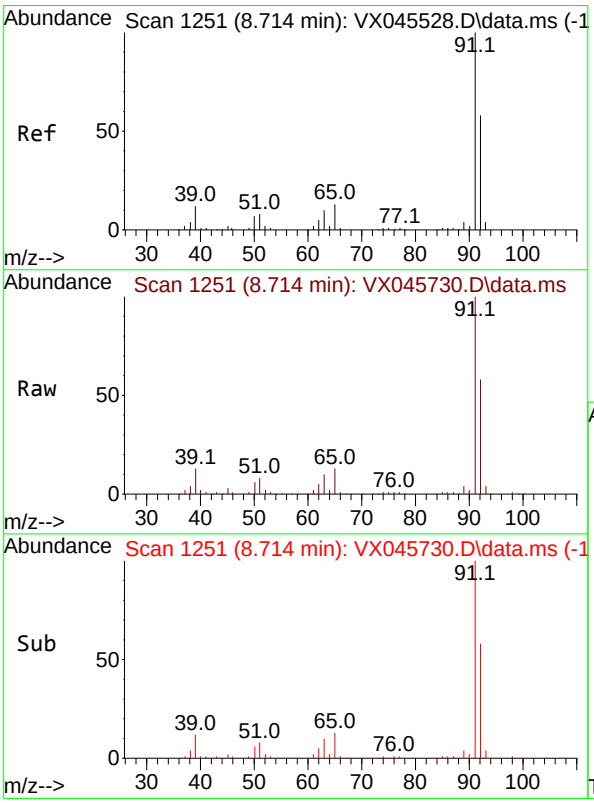
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

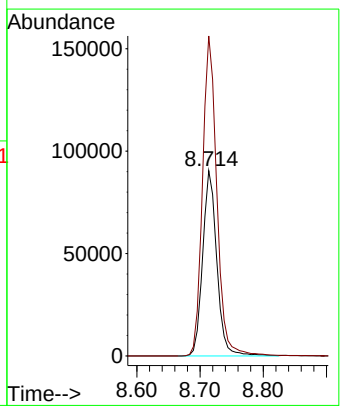
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

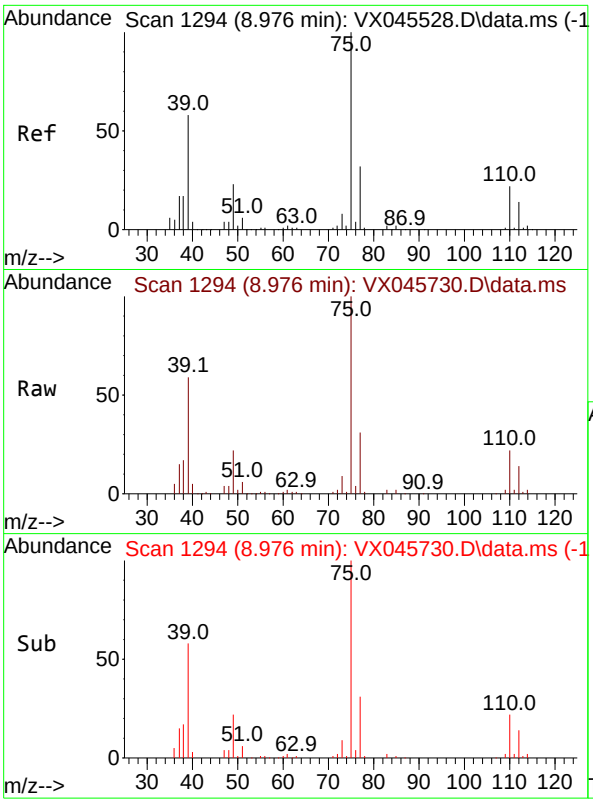


#52
Toluene
Concen: 48.475 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 92 Resp: 141355

Ion	Ratio	Lower	Upper
92	100		
91	175.5	138.7	208.1

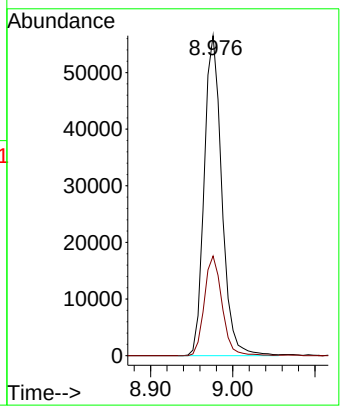




#53
t-1,3-Dichloropropene
Concen: 47.584 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 8414

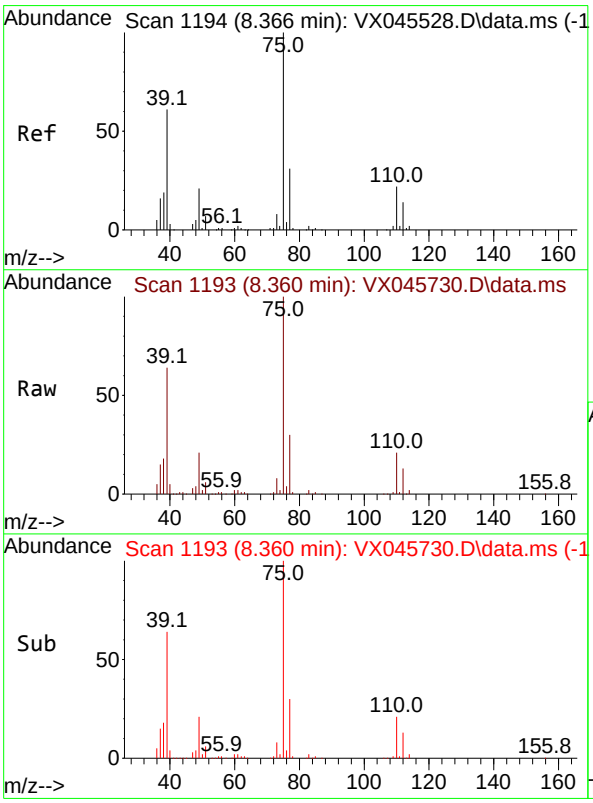
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

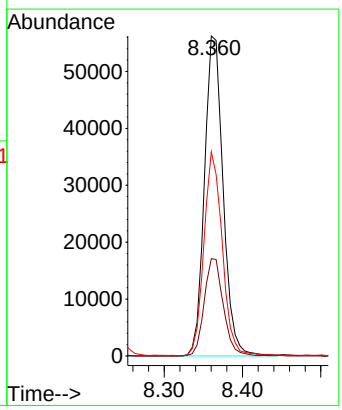
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

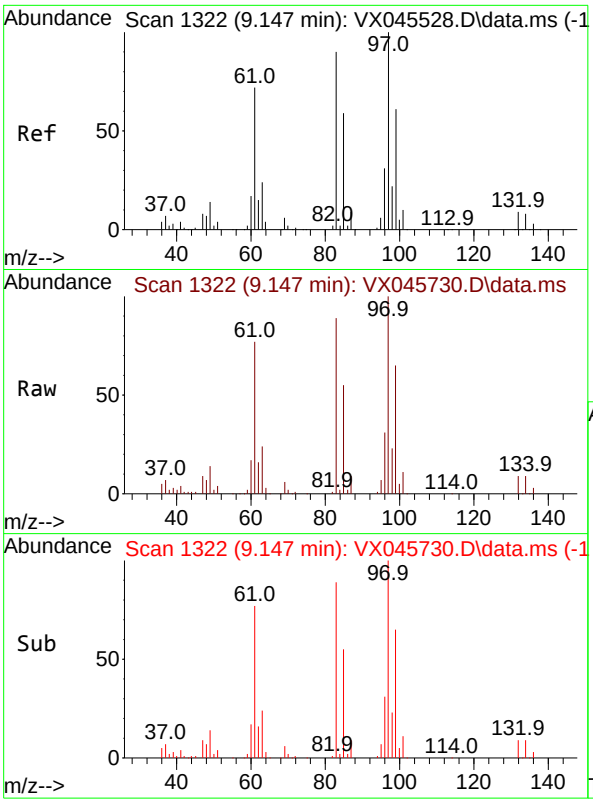


#54
cis-1,3-Dichloropropene
Concen: 53.744 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 93096

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8
39	63.7	48.4	72.6

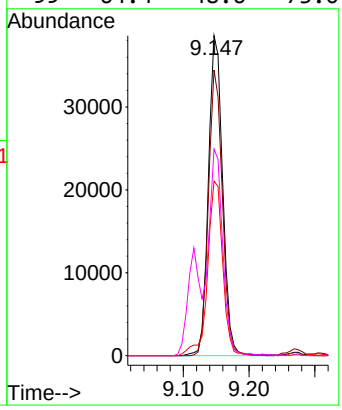




#55
1,1,2-Trichloroethane
Concen: 50.076 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 97 Resp: 5818

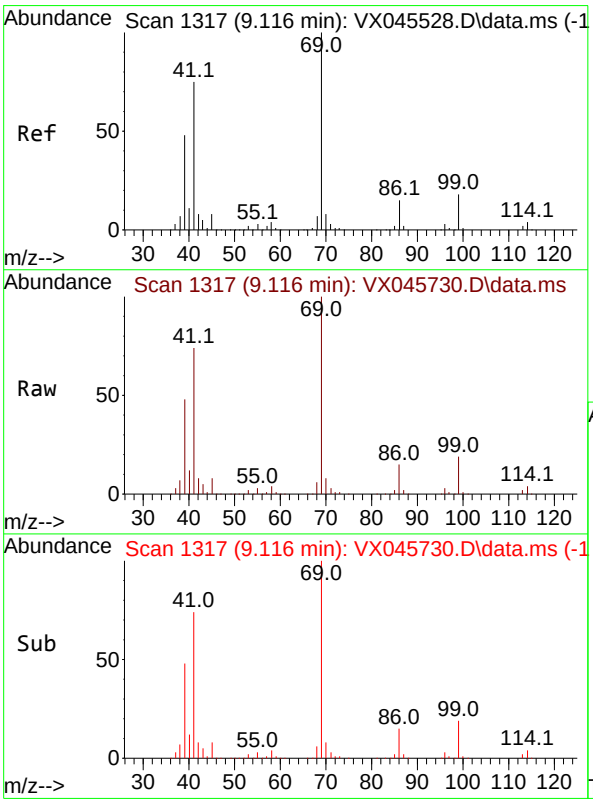
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.8	107.8
85	54.6	47.0	70.6
99	64.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

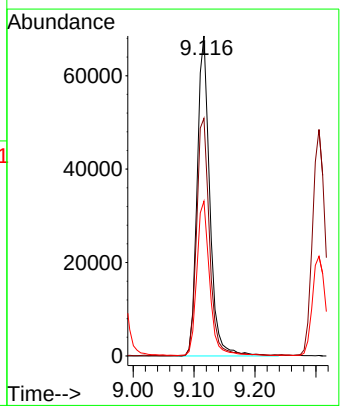
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

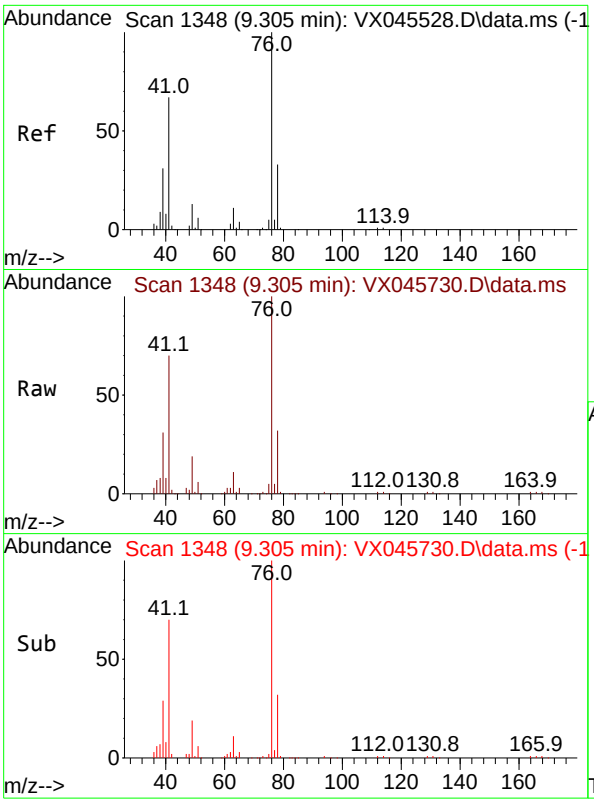


#56
Ethyl methacrylate
Concen: 54.894 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 69 Resp: 98718

Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.3	91.9
39	48.8	40.2	60.2

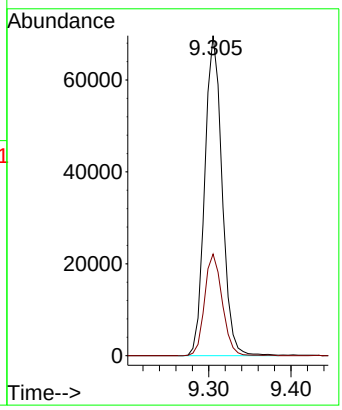




#57
1,3-Dichloropropane
Concen: 50.393 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 76 Resp: 10196

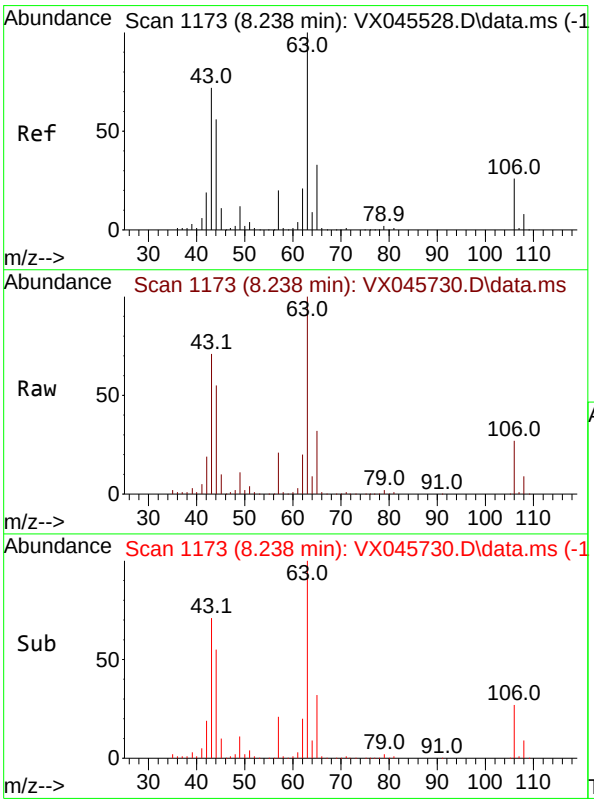
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

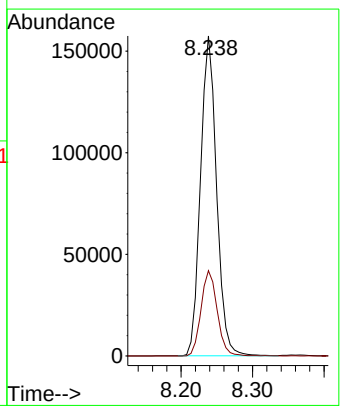
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

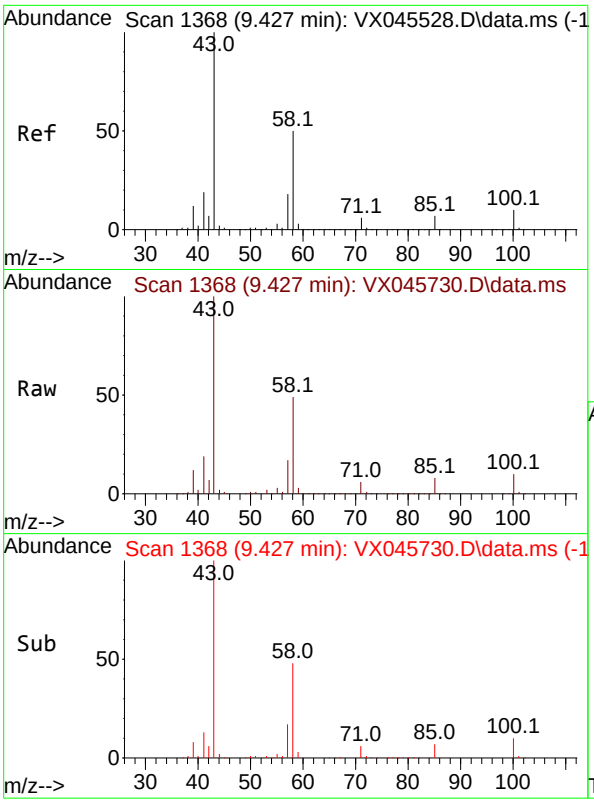


#58
2-Chloroethyl Vinyl ether
Concen: 270.217 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 245823

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.6

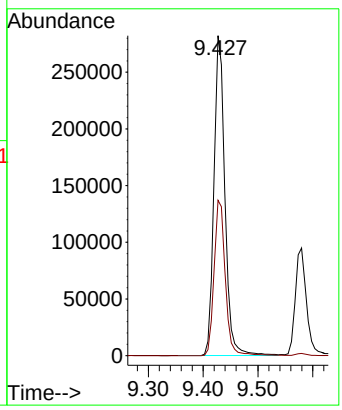




#59
2-Hexanone
Concen: 264.335 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 39108

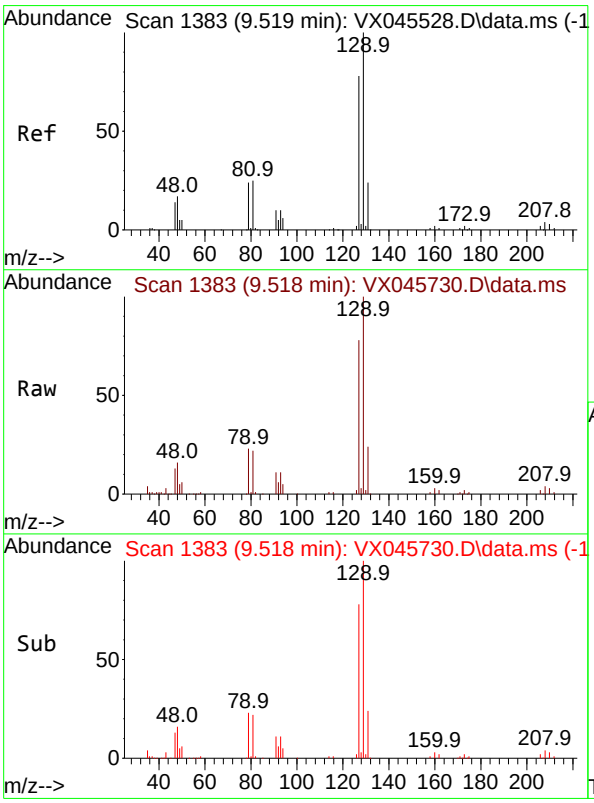
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

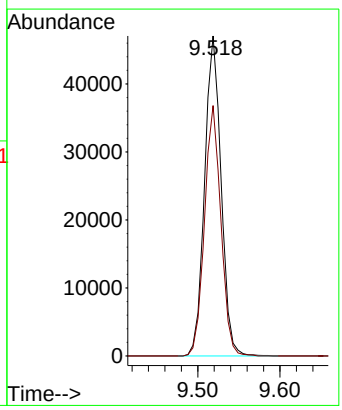
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

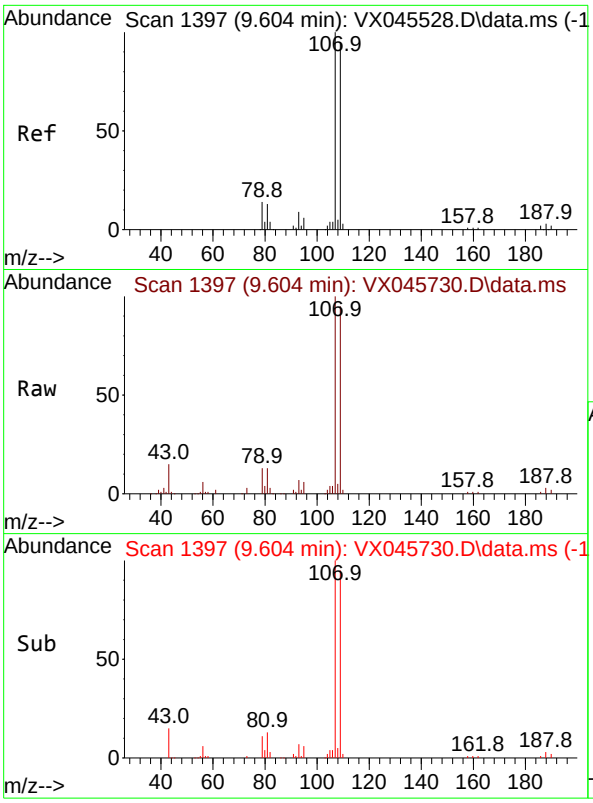


#60
Dibromochloromethane
Concen: 51.692 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:129 Resp: 65483

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.4	118.2

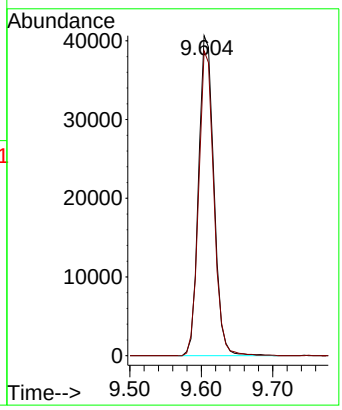




#61
1,2-Dibromoethane
Concen: 51.286 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:107 Resp: 6032

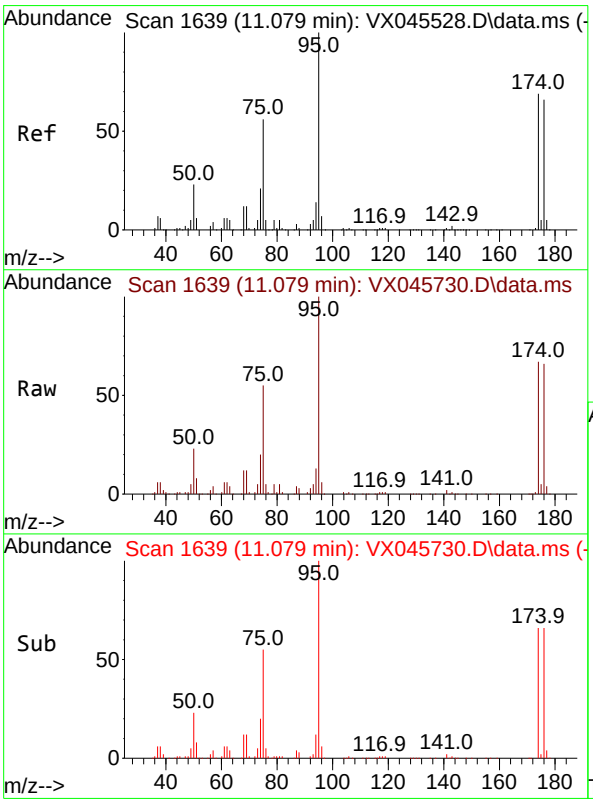
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

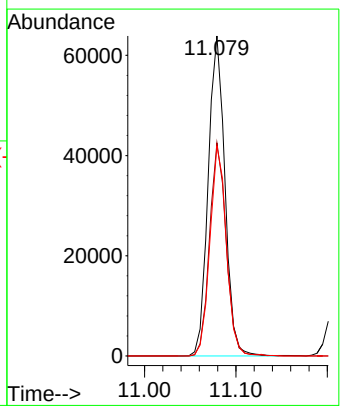
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

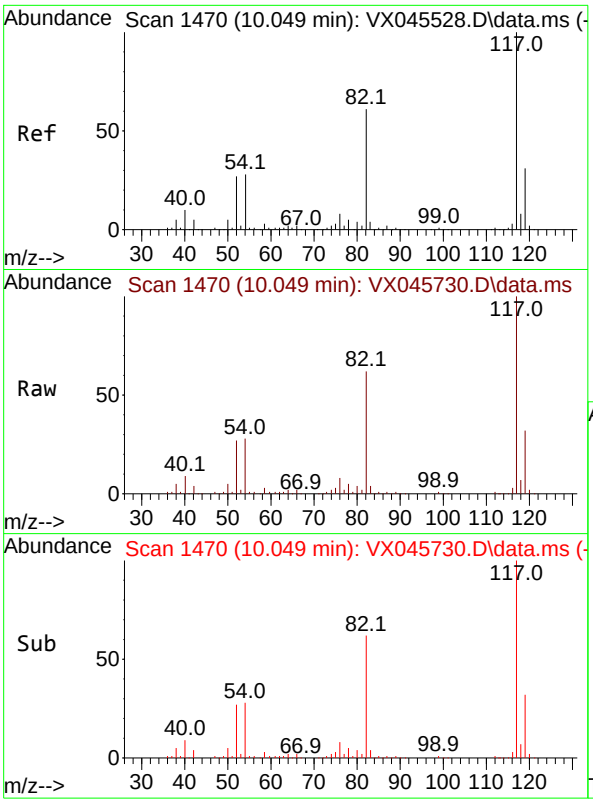


#62
4-Bromofluorobenzene
Concen: 54.421 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 95 Resp: 80858

Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	135.8
176	64.6	0.0	131.4

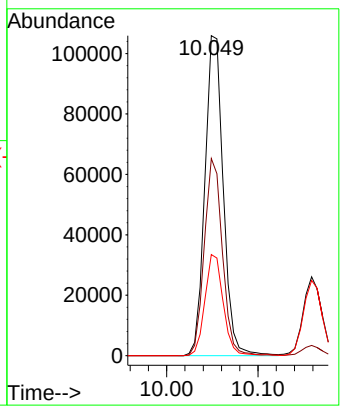




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 14774

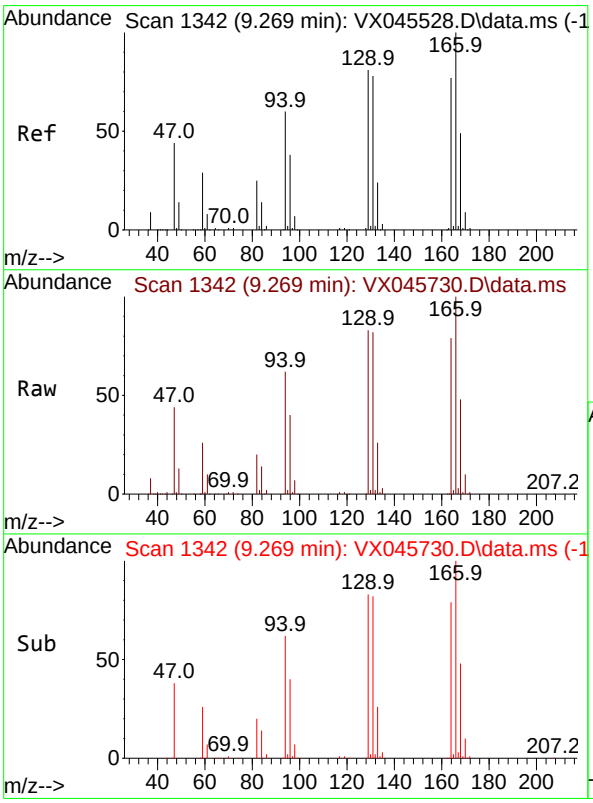
Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.2	73.8
119	31.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

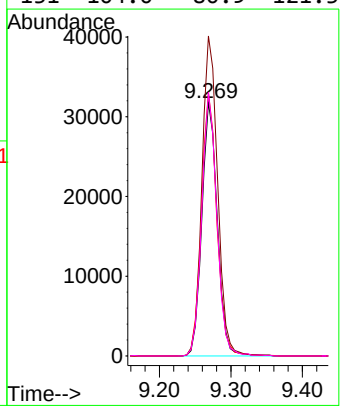
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

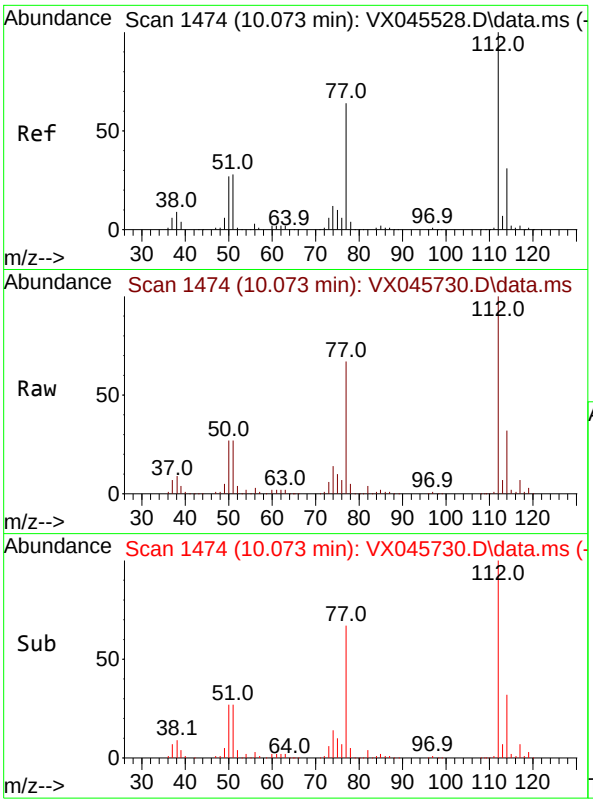


#64
Tetrachloroethene
Concen: 45.712 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:164 Resp: 47682

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.8	155.8
129	104.3	84.3	126.5
131	104.0	80.9	121.3

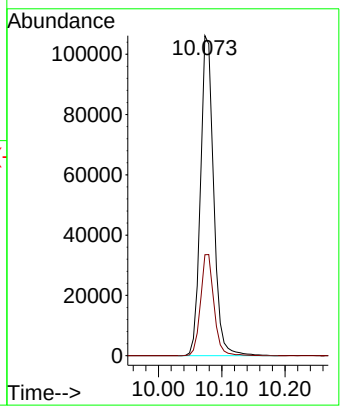




#65
Chlorobenzene
Concen: 48.815 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:112 Resp: 15410

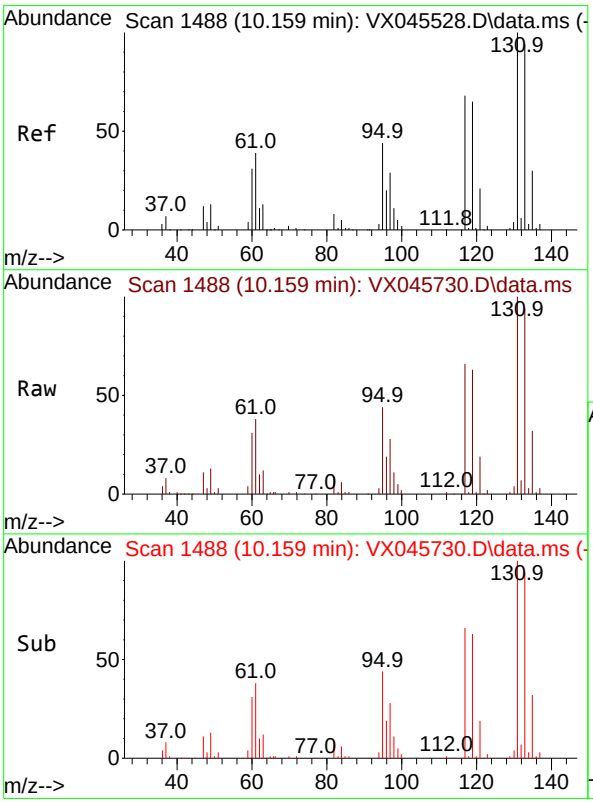
Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

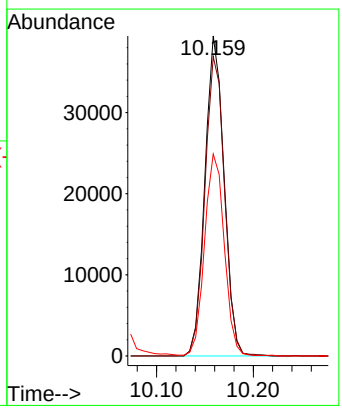
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

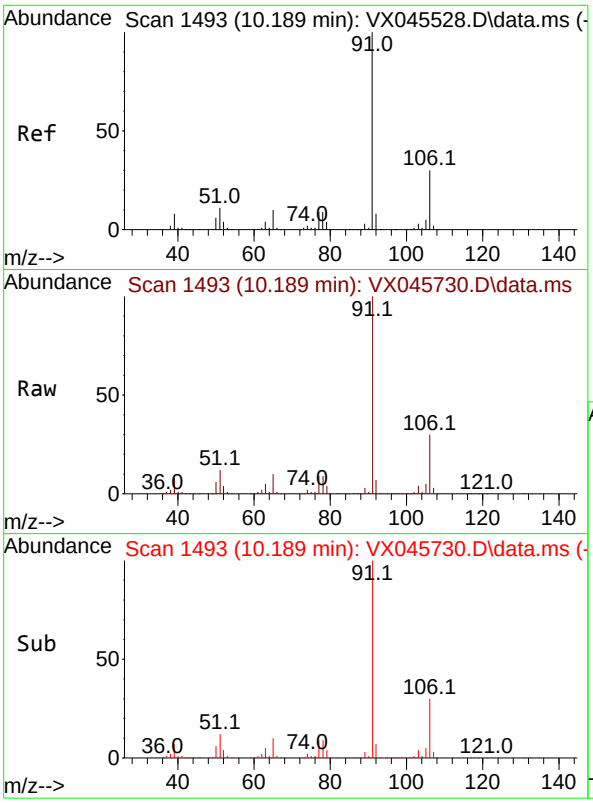


#66
1,1,1,2-Tetrachloroethane
Concen: 49.662 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:131 Resp: 54432

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	64.9	32.9	98.6





#67
Ethyl Benzene
Concen: 50.102 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

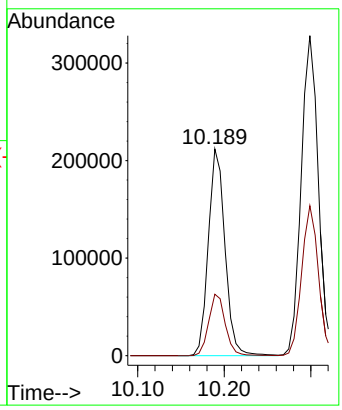
Tgt Ion: 91 Resp: 28328

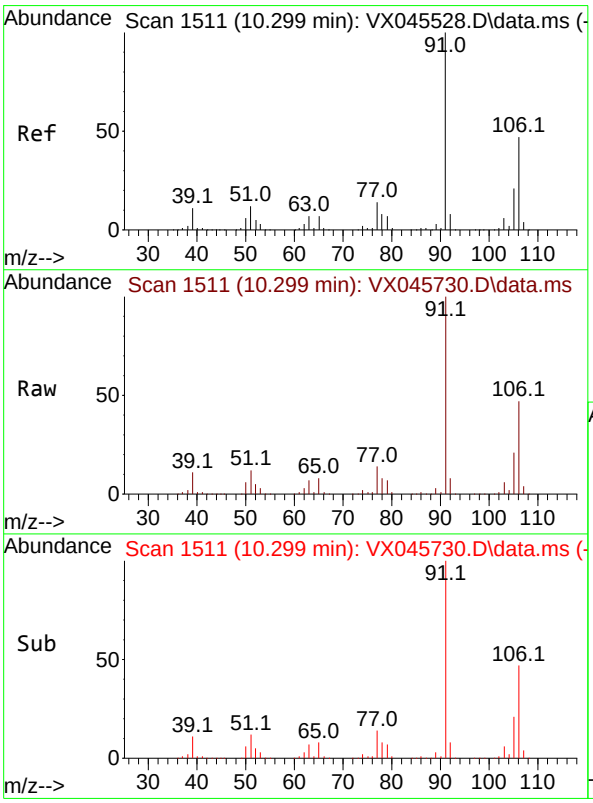
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

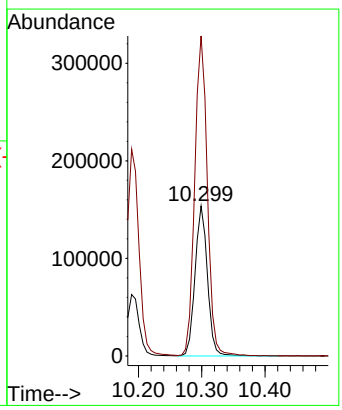


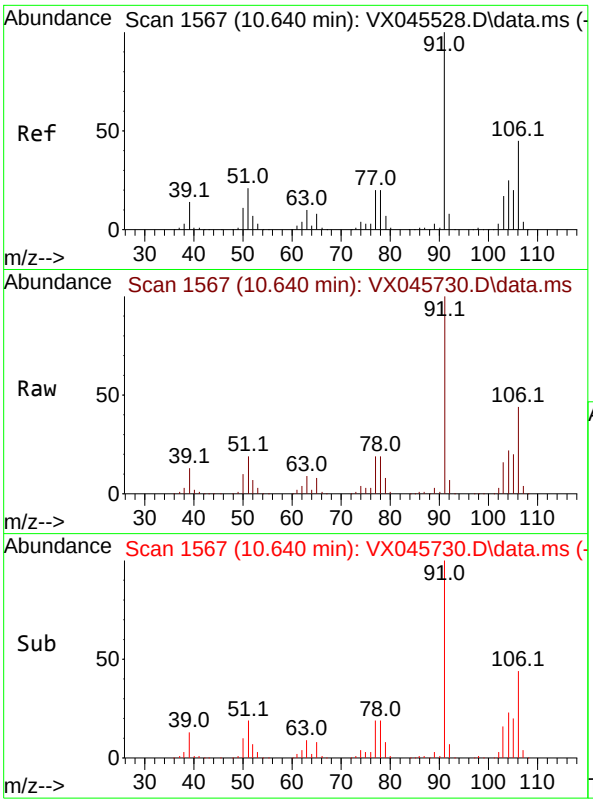


#68
m/p-Xylenes
Concen: 101.879 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:106 Resp: 209512

Ion	Ratio	Lower	Upper
106	100		
91	217.4	172.6	258.8

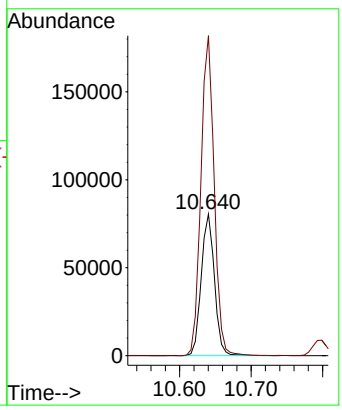




#69
o-Xylene
Concen: 50.973 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:106 Resp: 10326

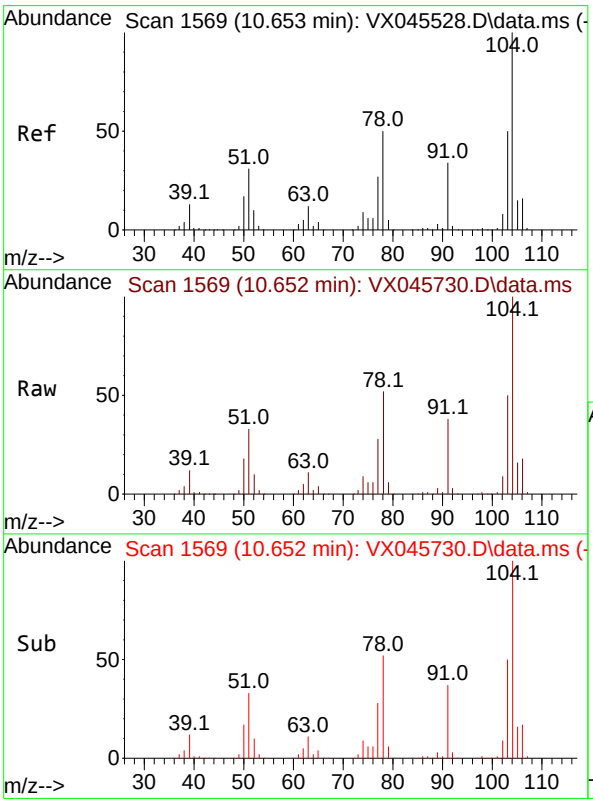
Ion	Ratio	Lower	Upper
106	100		
91	227.2	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

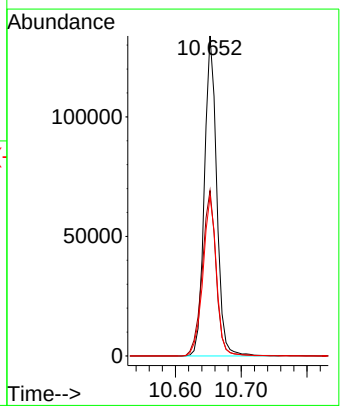
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

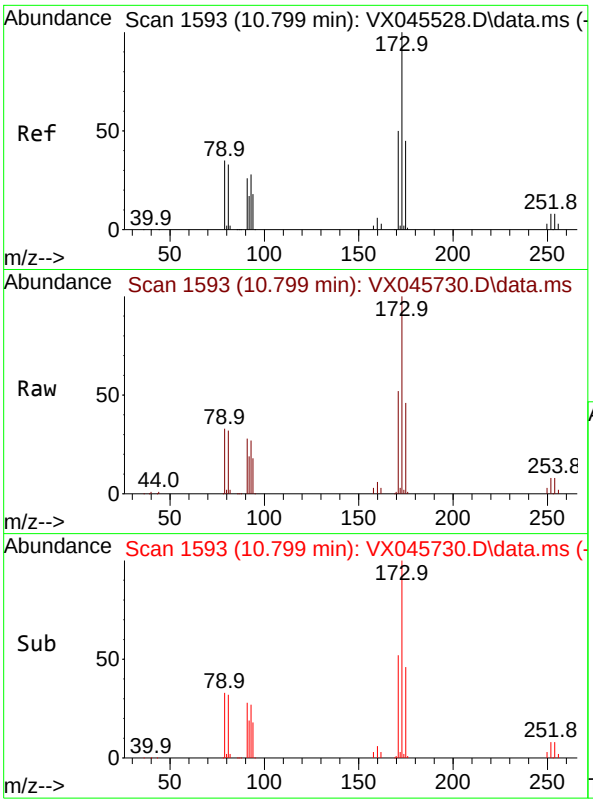


#70
Styrene
Concen: 52.356 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:104 Resp: 175059

Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.4	68.2
103	54.6	43.8	65.8

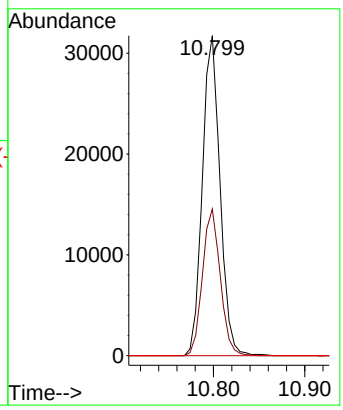




#71
Bromoform
Concen: 51.992 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:173 Resp: 4254

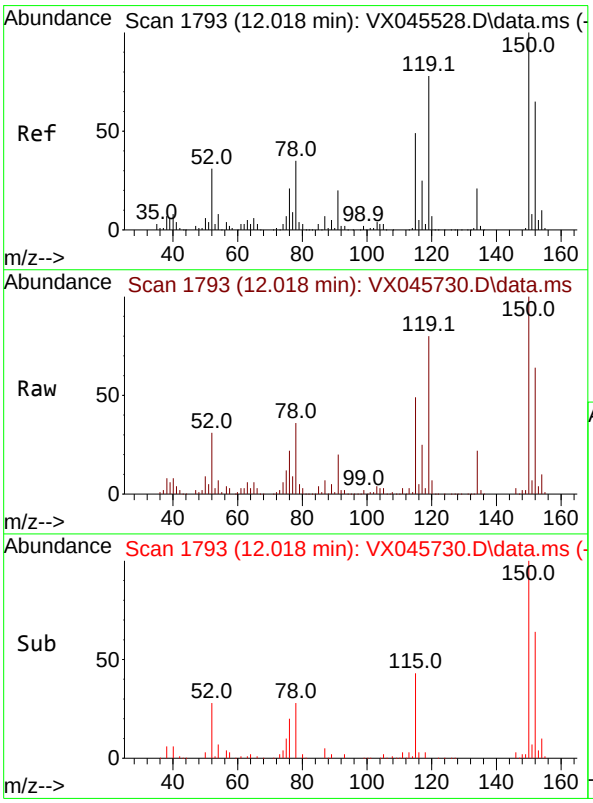
Ion	Ratio	Lower	Upper
173	100		
175	46.1	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

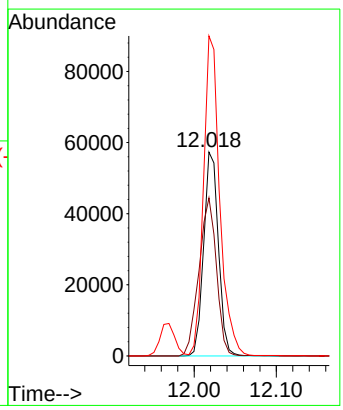
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

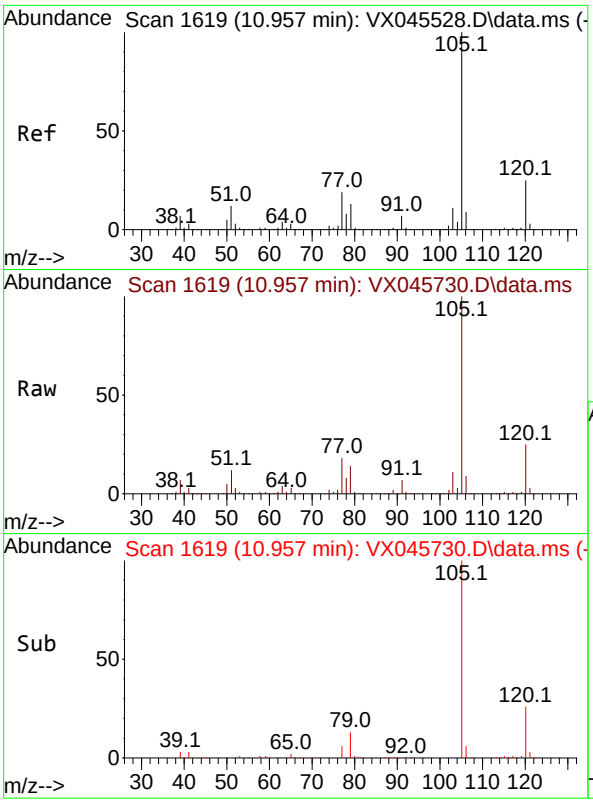


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:152 Resp: 71449

Ion	Ratio	Lower	Upper
152	100		
115	92.3	46.9	140.7
150	172.3	0.0	349.4

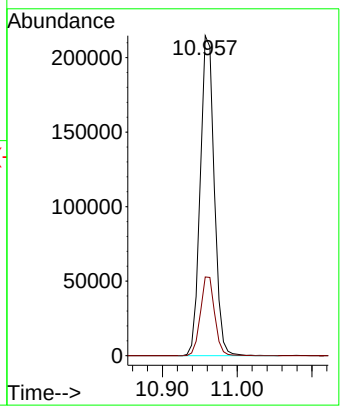




#73
Isopropylbenzene
Concen: 48.759 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 27905

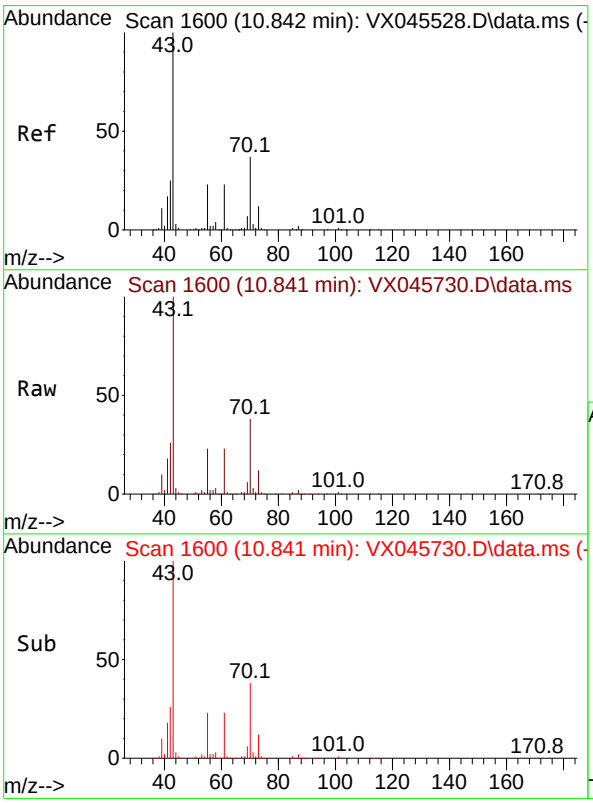
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

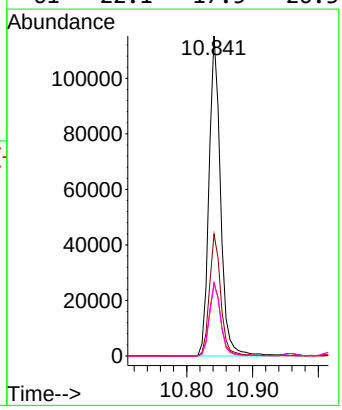
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

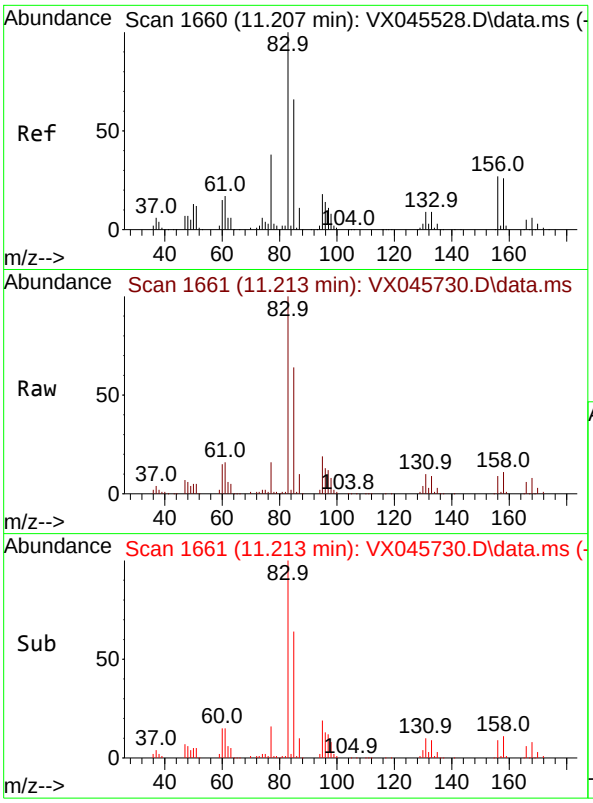


#74
N-amyl acetate
Concen: 51.455 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 140866

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	23.1	18.3	27.5
61	22.1	17.5	26.3

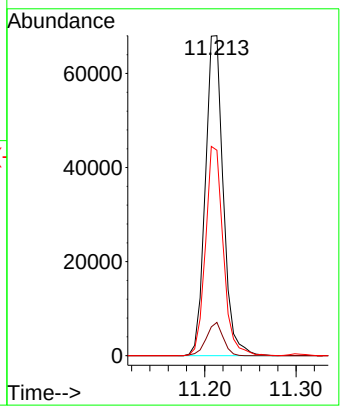




#75
1,1,2,2-Tetrachloroethane
Concen: 45.869 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9221

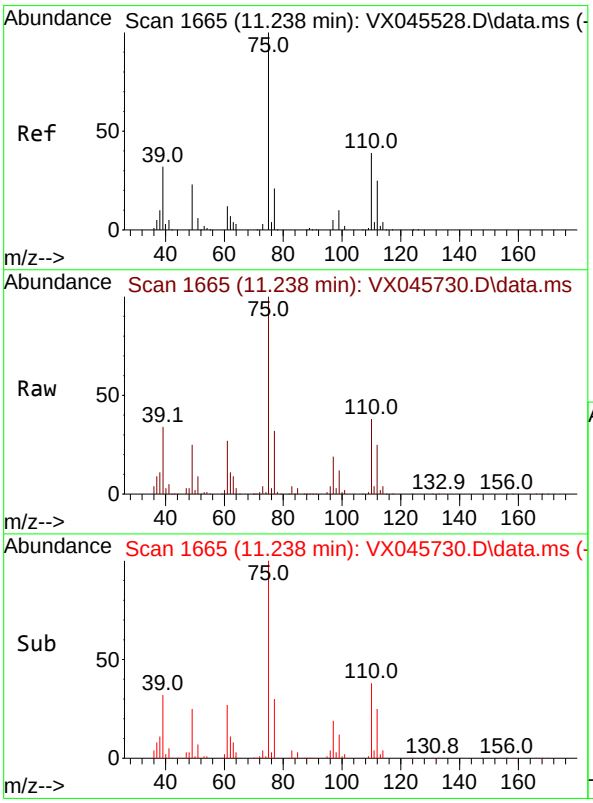
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

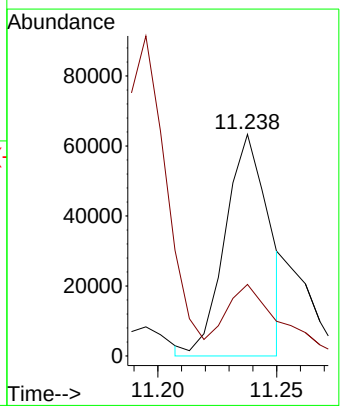
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

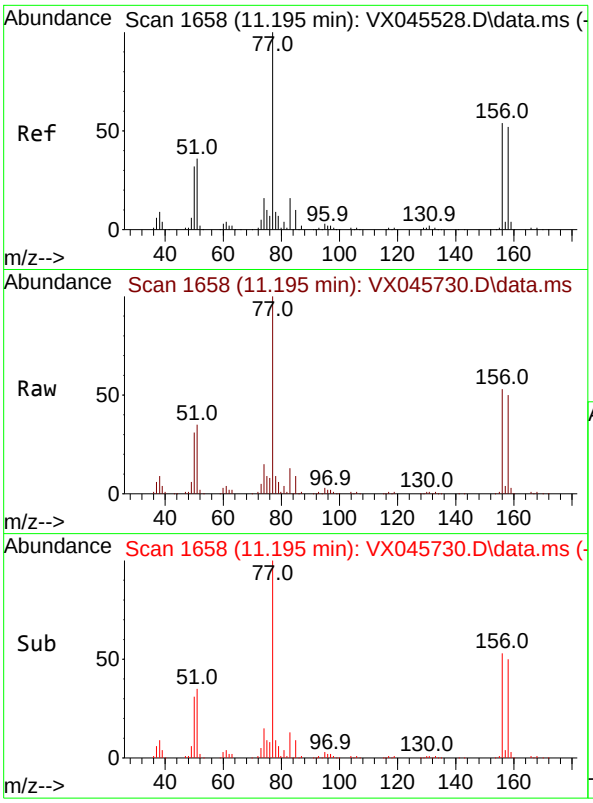


#76
1,2,3-Trichloropropane
Concen: 46.318 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 80723

Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.0	59.9





#77
Bromobenzene
Concen: 47.589 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

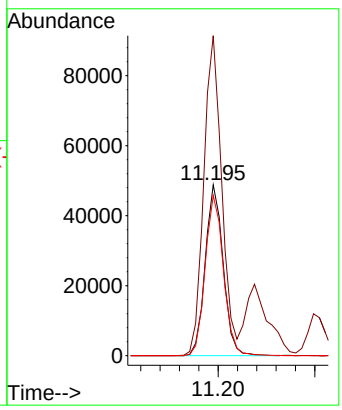
Tgt Ion:156 Resp: 6292

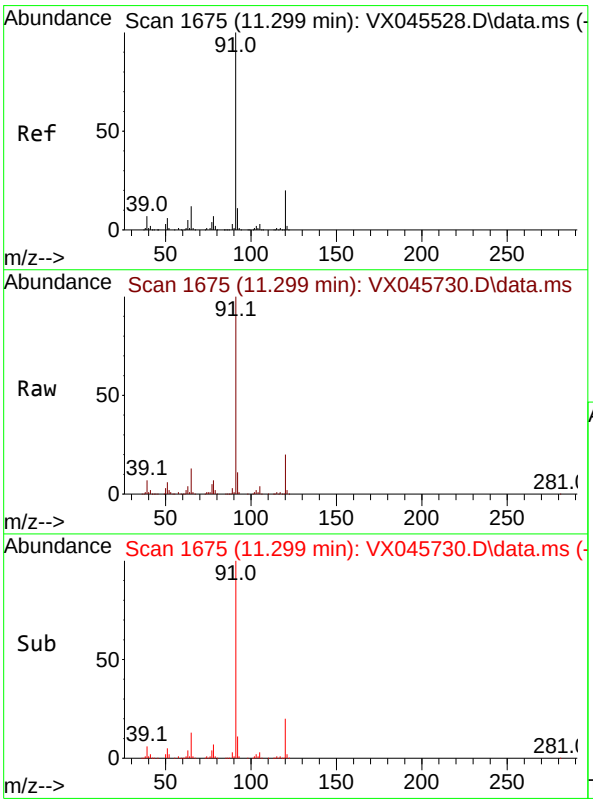
Ion	Ratio	Lower	Upper
156	100		
77	187.7	92.6	277.8
158	95.8	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

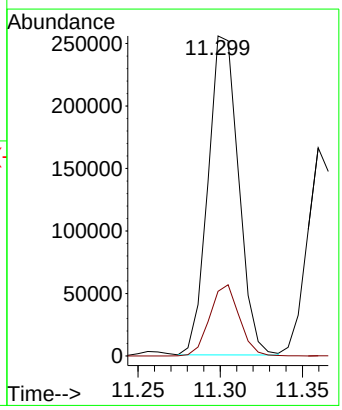


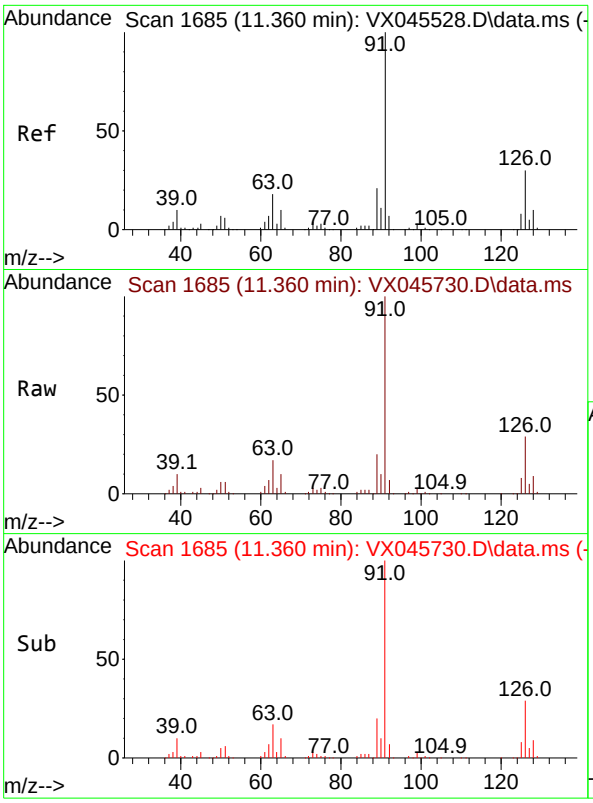


#78
n-propylbenzene
Concen: 50.027 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 329781

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3





#79
2-Chlorotoluene
Concen: 48.443 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

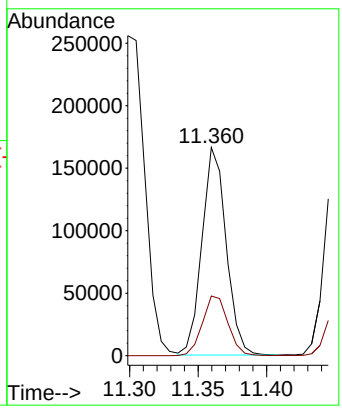
Tgt Ion: 91 Resp: 20415

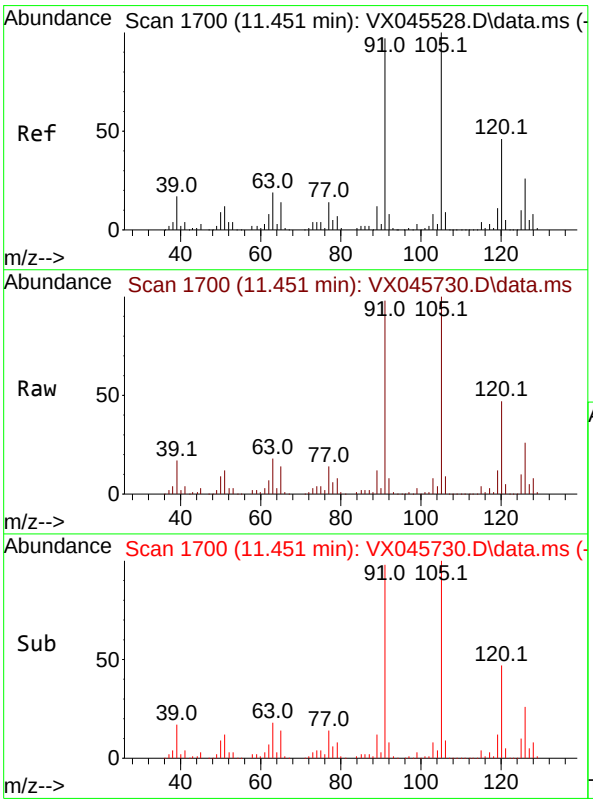
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

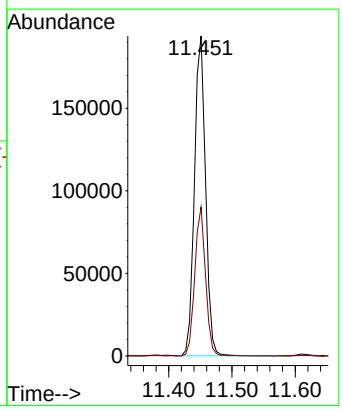


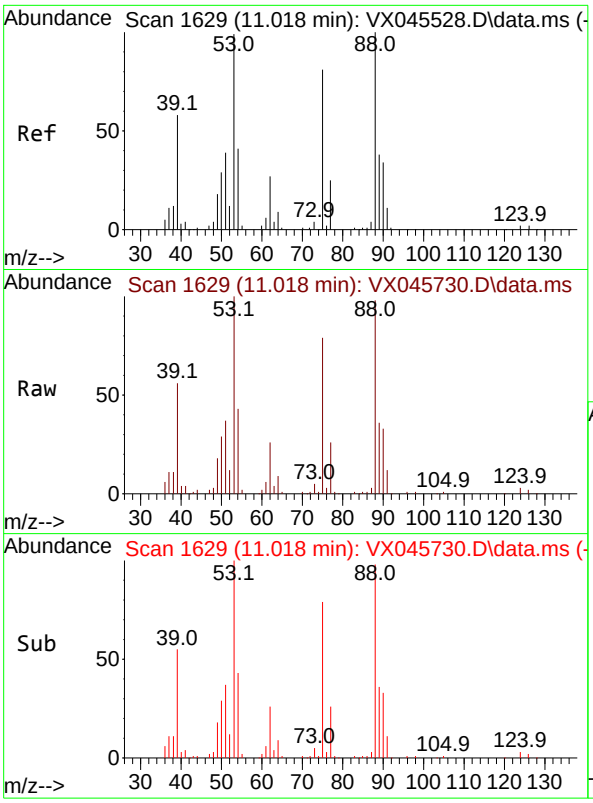


#80
1,3,5-Trimethylbenzene
Concen: 50.087 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 237040

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0

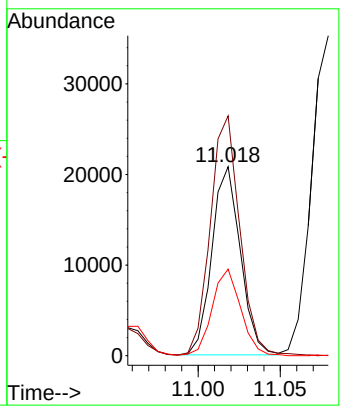




#81
trans-1,4-Dichloro-2-butene
Concen: 48.803 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 2506

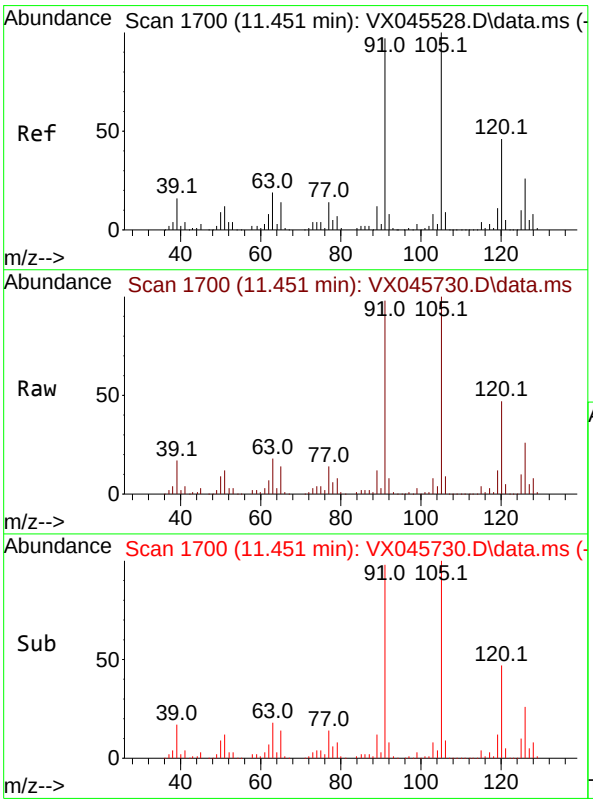
Ion	Ratio	Lower	Upper
75	100		
53	131.9	101.8	152.6
89	46.2	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

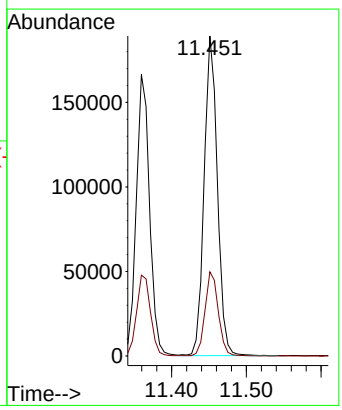
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

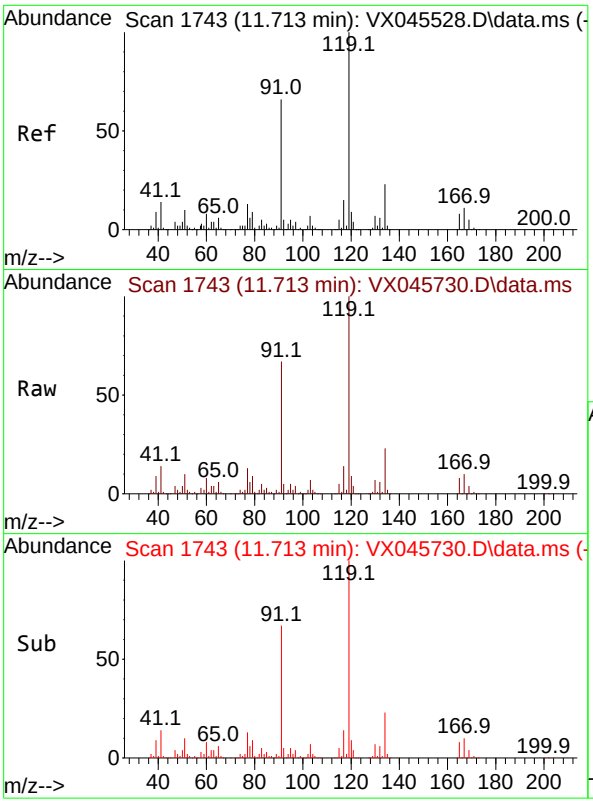


#82
4-Chlorotoluene
Concen: 49.589 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 233003

Ion	Ratio	Lower	Upper
91	100		
126	26.4	13.3	39.9

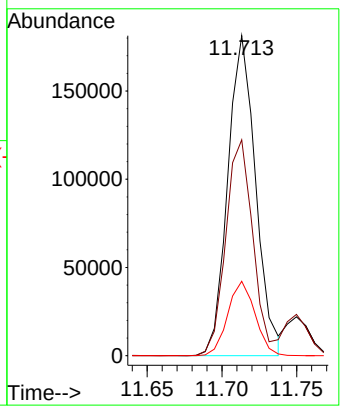




#83
tert-Butylbenzene
Concen: 50.120 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:119 Resp: 23483

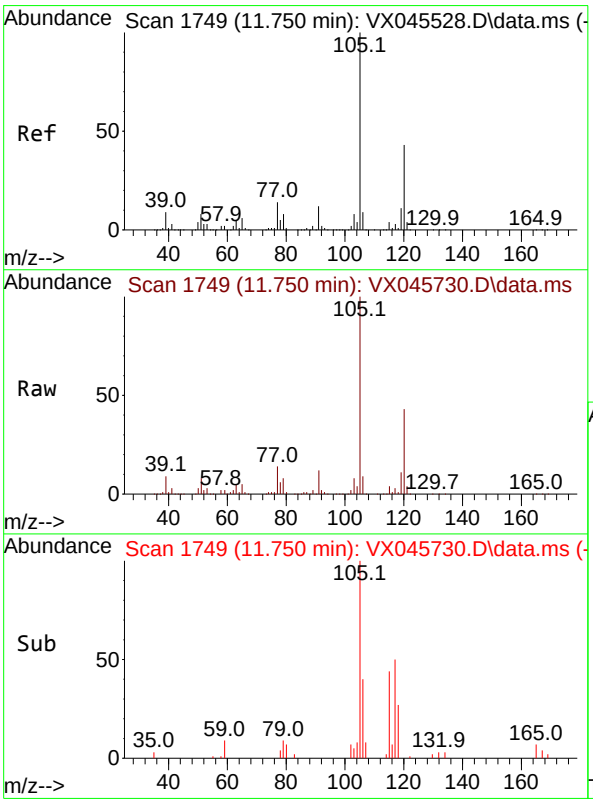
Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.4	97.2
134	22.8	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

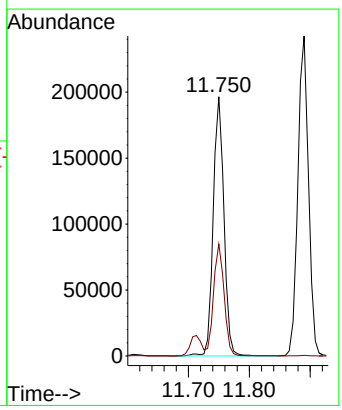
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

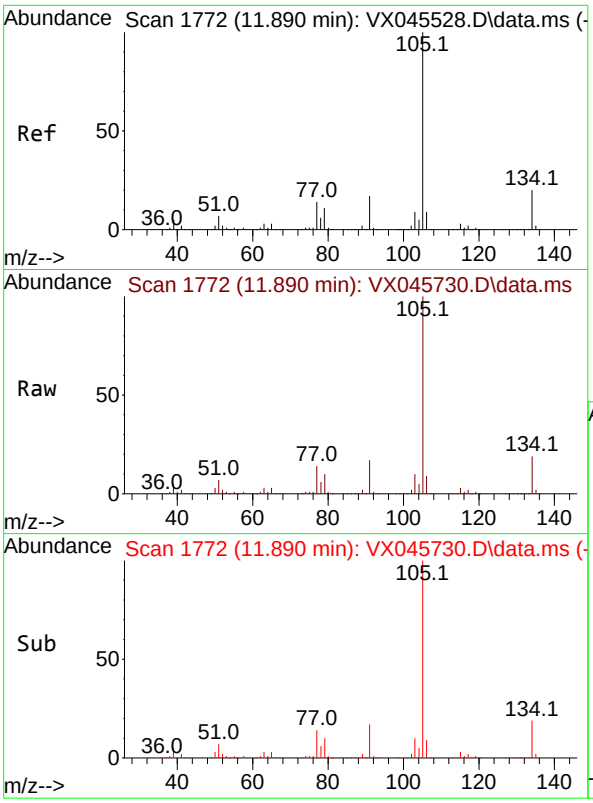


#84
1,2,4-Trimethylbenzene
Concen: 50.423 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 239508

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

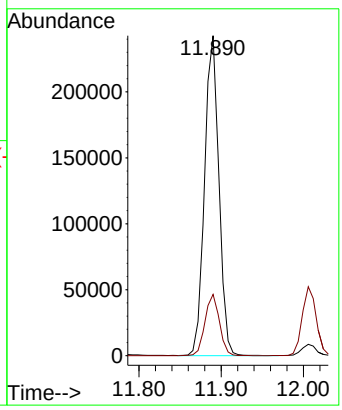




#85
sec-Butylbenzene
Concen: 51.118 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 29417

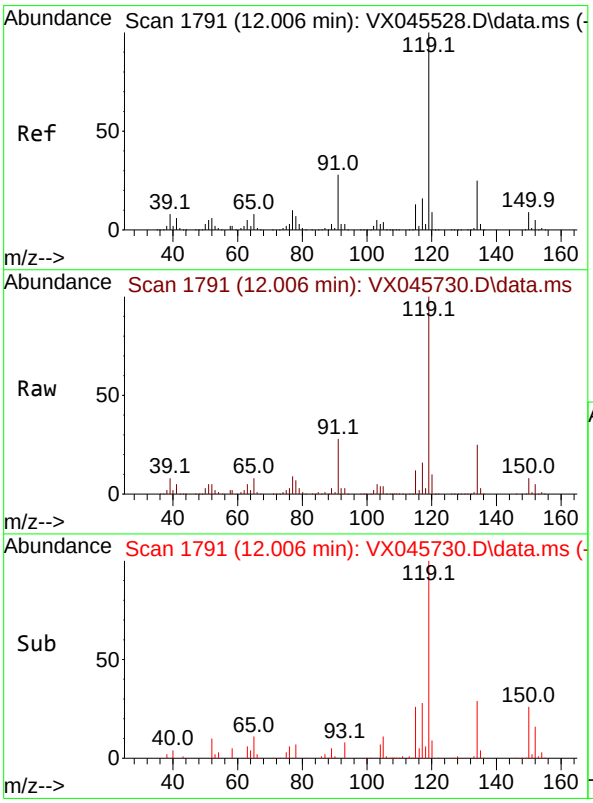
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

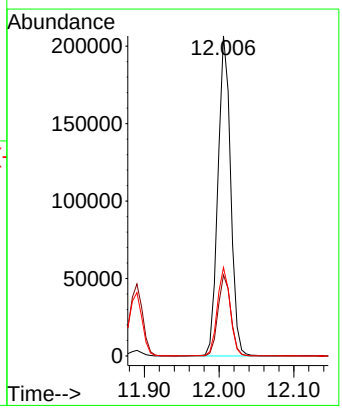
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

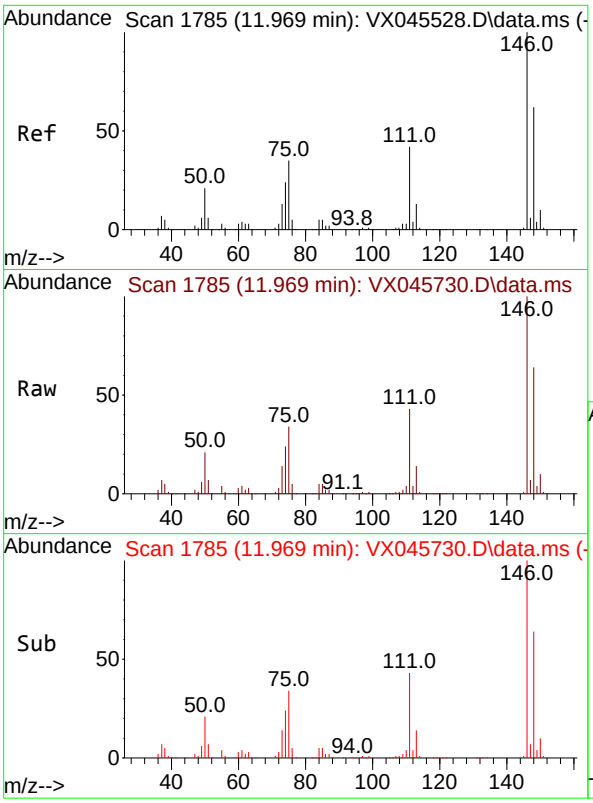


#86
p-Isopropyltoluene
Concen: 51.391 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:119 Resp: 243819

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	27.7	13.7	41.1

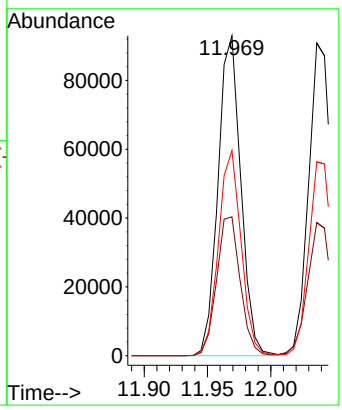




#87
1,3-Dichlorobenzene
Concen: 48.364 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 11641

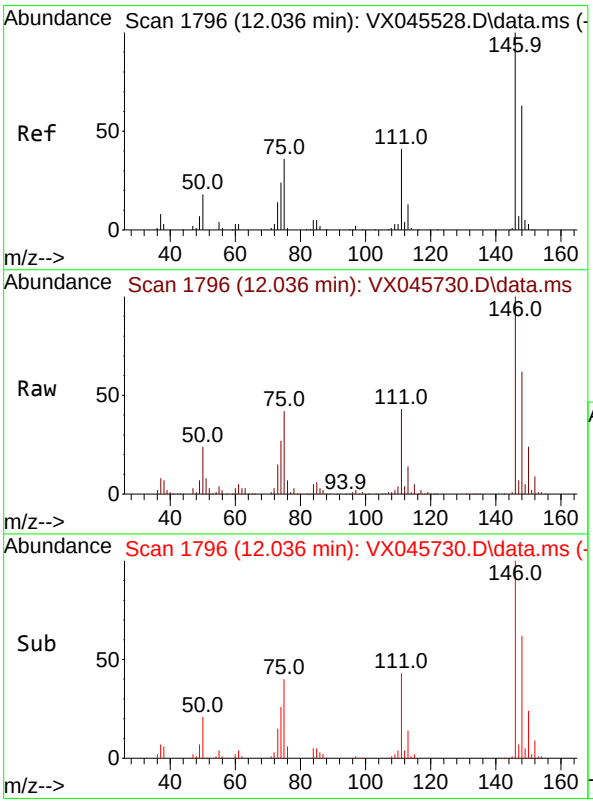
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

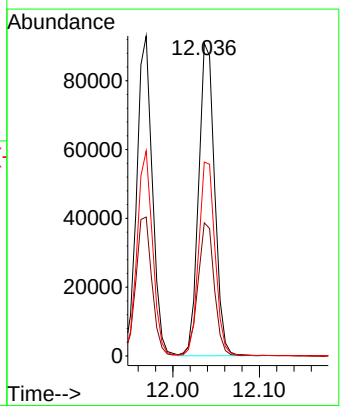
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

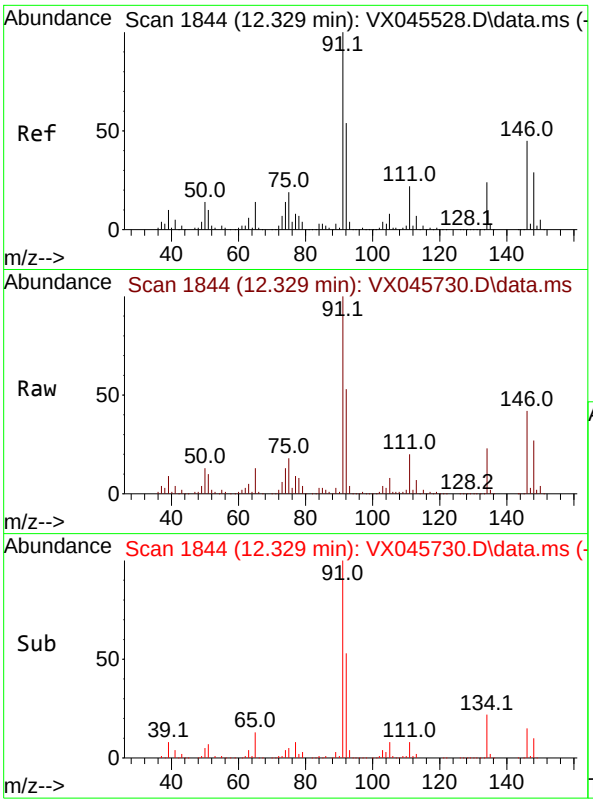


#88
1,4-Dichlorobenzene
Concen: 47.866 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 116806

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	63.3	31.5	94.5





#89
n-Butylbenzene
Concen: 53.822 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

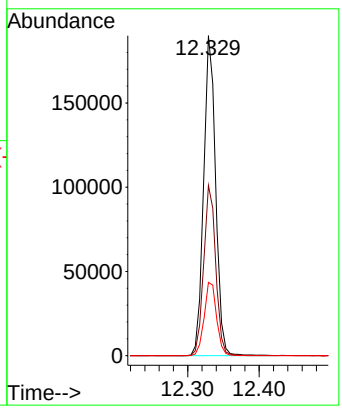
Tgt Ion: 91 Resp: 22143

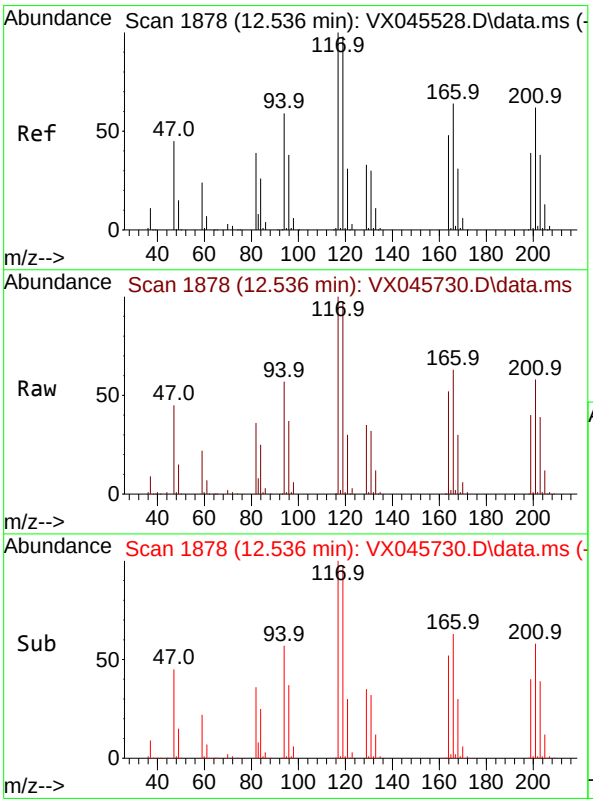
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.8	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

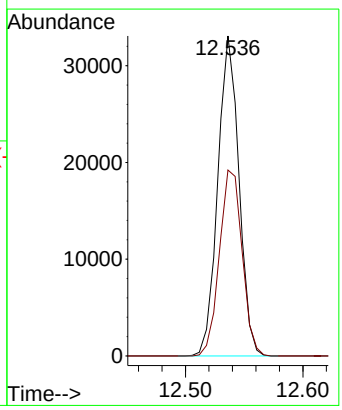


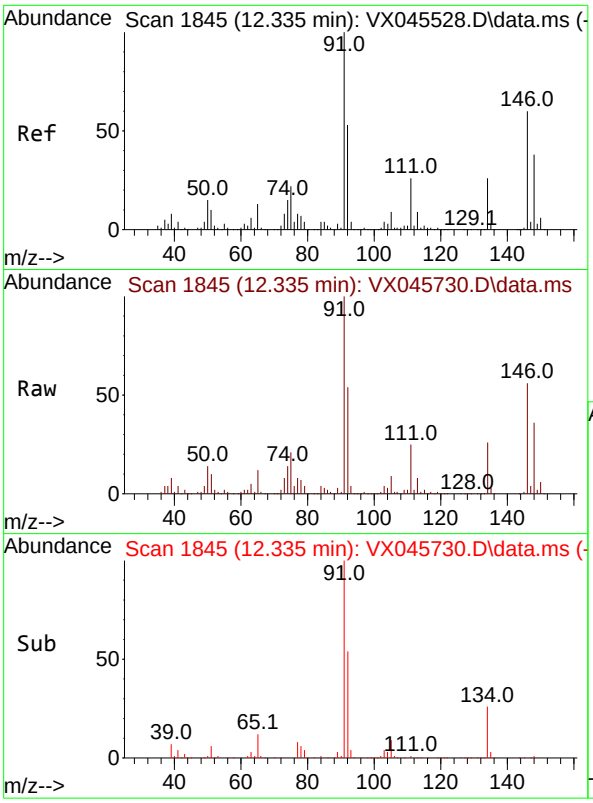


#90
Hexachloroethane
Concen: 50.695 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 41335

Ion	Ratio	Lower	Upper
117	100		
201	62.5	31.2	93.6

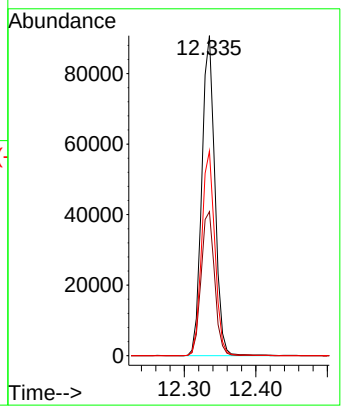




#91
1,2-Dichlorobenzene
Concen: 48.079 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 11505

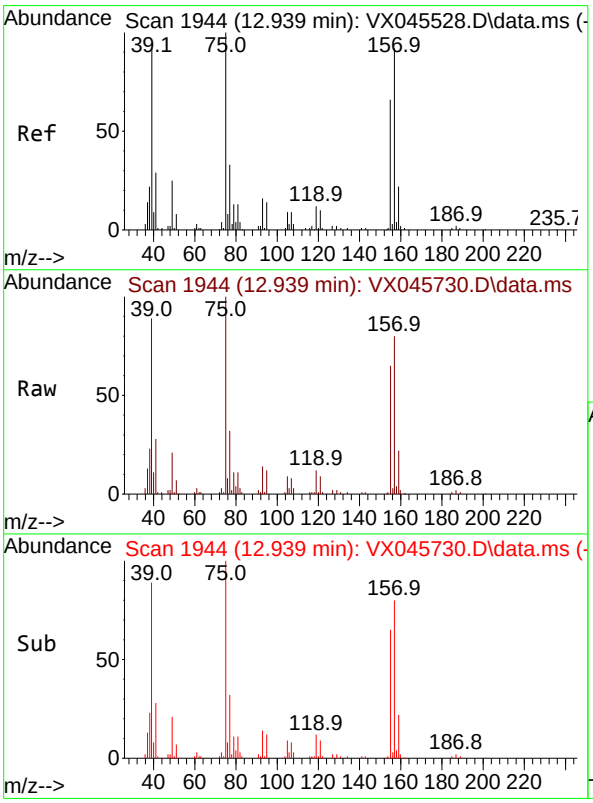
Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.8
148	64.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

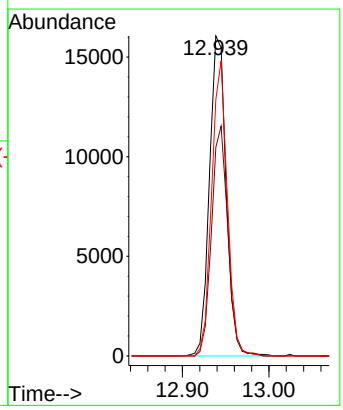
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

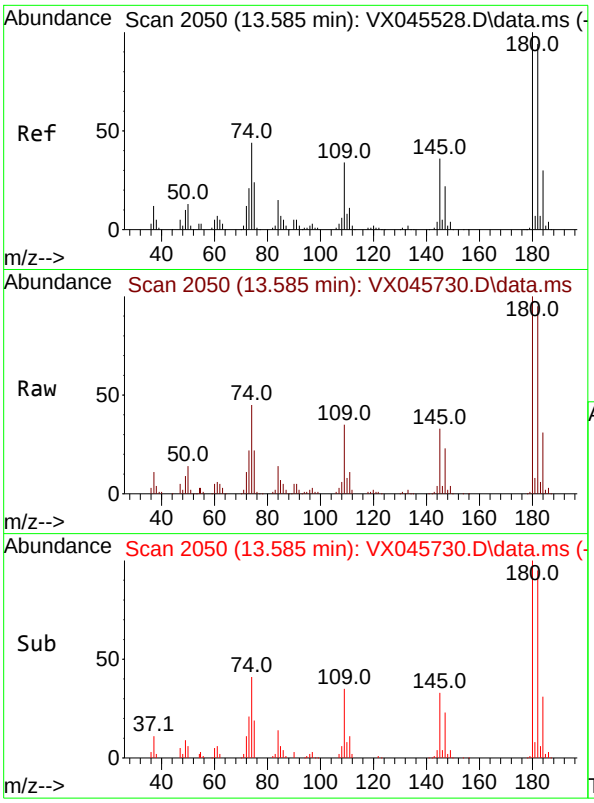


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.215 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 21534

Ion	Ratio	Lower	Upper
75	100		
155	70.1	34.9	104.7
157	86.5	44.9	134.7

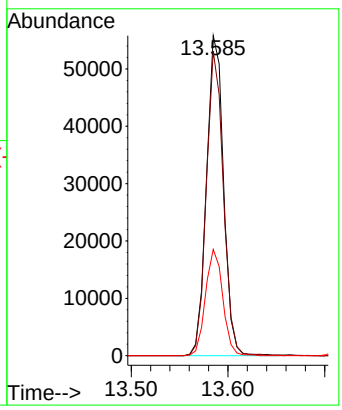




#93
1,2,4-Trichlorobenzene
Concen: 51.329 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:180 Resp: 6837

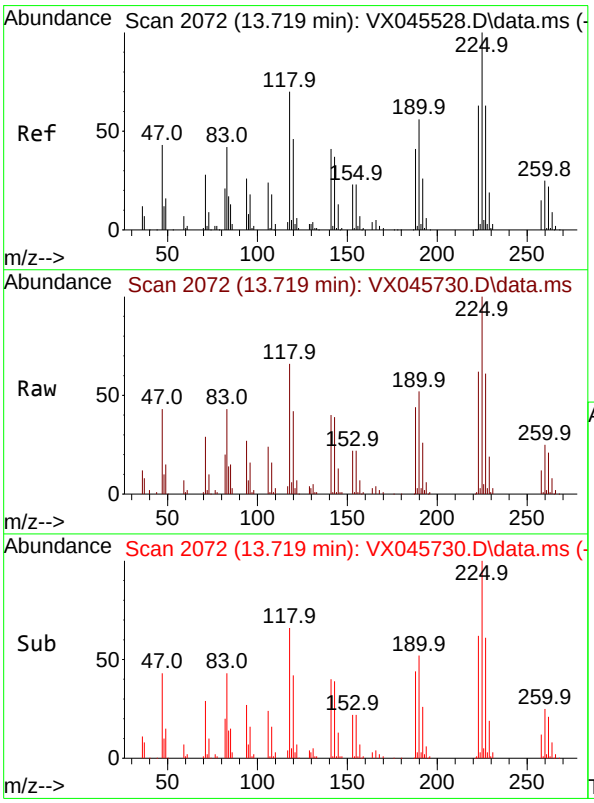
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

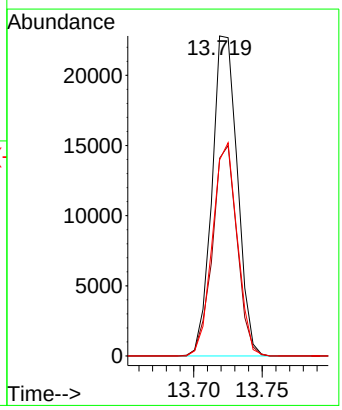
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

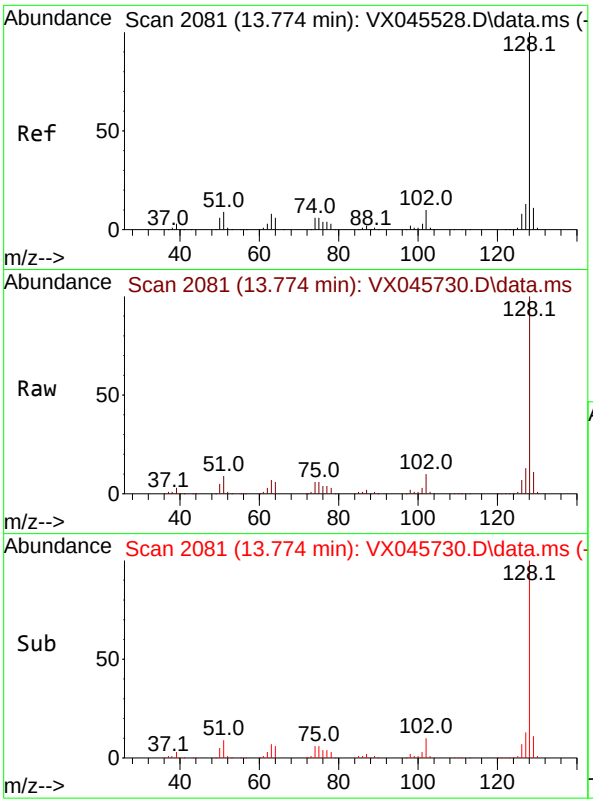


#94
Hexachlorobutadiene
Concen: 51.144 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:225 Resp: 29358

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	65.0	32.2	96.6

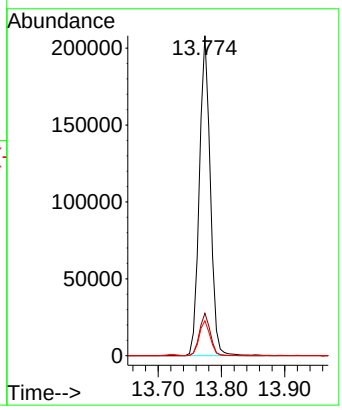




#95
Naphthalene
Concen: 50.677 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:128 Resp: 25121

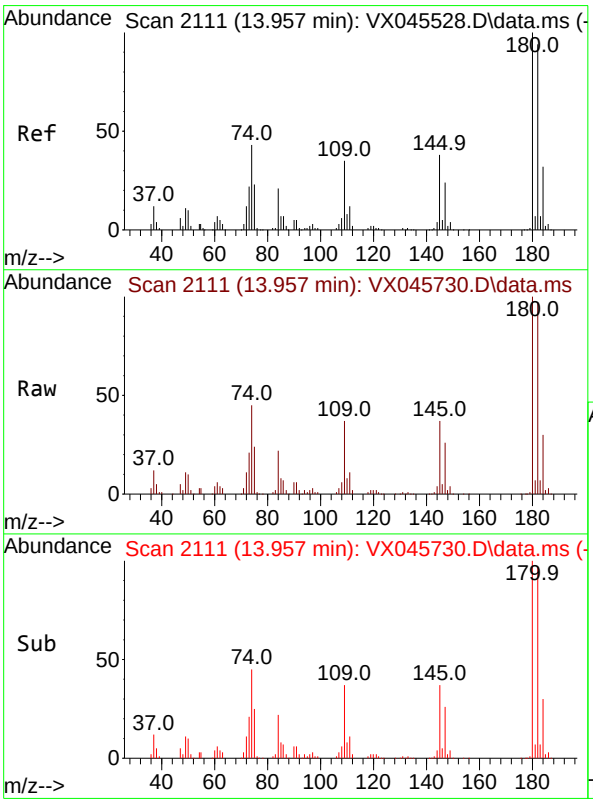
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

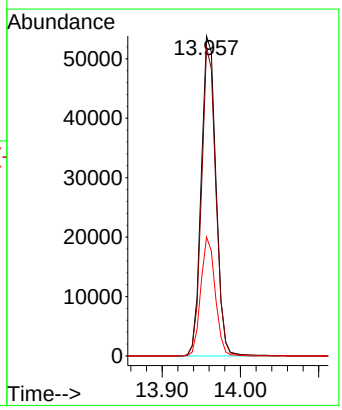
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.247 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:180 Resp: 70089

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	36.4	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	102	0.00
2	T	Dichlorodifluoromethane	0.748	0.745	0.4	92	0.00
3	P	Chloromethane	0.768	0.696	9.4	90	0.00
4	C	Vinyl Chloride	0.703	0.636	9.5#	90	0.00
5	T	Bromomethane	0.333	0.280	15.9	86	0.00
6	T	Chloroethane	0.373	0.355	4.8	91	0.00
7	T	Trichlorofluoromethane	1.048	1.004	4.2	94	0.00
8	T	Diethyl Ether	0.352	0.326	7.4	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.605	1.5	99	0.00
10	T	Methyl Iodide	0.766	0.690	9.9	88	0.00
11	T	Tert butyl alcohol	0.123	0.124	-0.8	100	0.00
12	CM	1,1-Dichloroethene	0.600	0.549	8.5#	93	0.00
13	T	Acrolein	0.169	0.126	25.4#	77	0.00
14	T	Allyl chloride	1.139	1.090	4.3	95	0.00
15	T	Acrylonitrile	0.388	0.368	5.2	92	0.00
16	T	Acetone	0.375	0.347	7.5	93	0.00
17	T	Carbon Disulfide	1.483	1.188	19.9	78	0.00
18	T	Methyl Acetate	0.864	0.916	-6.0	109	0.00
19	T	Methyl tert-butyl Ether	2.100	2.067	1.6	99	0.00
20	T	Methylene Chloride	0.703	0.649	7.7	93	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.554	9.6	90	0.00
22	T	Diisopropyl ether	2.243	2.146	4.3	95	0.00
23	T	Vinyl Acetate	1.938	1.908	1.5	93	0.00
24	P	1,1-Dichloroethane	1.269	1.181	6.9	95	0.00
25	T	2-Butanone	0.550	0.536	2.5	93	0.00
26	T	2,2-Dichloropropane	0.820	0.909	-10.9	109	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.682	8.7	92	0.00
28	T	Bromochloromethane	0.613	0.580	5.4	99	0.00
29	T	Tetrahydrofuran	0.356	0.337	5.3	92	0.00
30	C	Chloroform	1.306	1.240	5.1#	96	0.00
31	T	Cyclohexane	1.122	1.030	8.2	93	0.00
32	T	1,1,1-Trichloroethane	1.105	1.067	3.4	98	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.880	3.7	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.355	0.354	0.3	100	0.00
36	T	1,1-Dichloropropene	0.479	0.465	2.9	94	0.00
37	T	Ethyl Acetate	0.604	0.582	3.6	91	0.00
38	T	Carbon Tetrachloride	0.518	0.529	-2.1	97	0.00
39	T	Methylcyclohexane	0.587	0.596	-1.5	94	0.00
40	TM	Benzene	1.463	1.404	4.0	93	0.00
41	T	Methacrylonitrile	0.318	0.346	-8.8	96	0.00
42	TM	1,2-Dichloroethane	0.604	0.611	-1.2	96	0.00
43	T	Isopropyl Acetate	0.915	0.961	-5.0	96	0.00
44	TM	Trichloroethene	0.348	0.335	3.7	93	0.00
45	C	1,2-Dichloropropane	0.365	0.361	1.1#	94	0.00
46	T	Dibromomethane	0.280	0.275	1.8	92	0.00
47	T	Bromodichloromethane	0.560	0.562	-0.4	96	0.00
48	T	Methyl methacrylate	0.472	0.503	-6.6	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.009	0.009	0.0	98	0.00
50	S	Toluene-d8	1.238	1.226	1.0	99	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.640	-5.6	94	0.00
52	CM	Toluene	0.885	0.858	3.1#	92	0.00
53	T	t-1,3-Dichloropropene	0.467	0.511	-9.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.565	-7.4	97	0.00
55	T	1,1,2-Trichloroethane	0.353	0.353	0.0	96	0.00
56	T	Ethyl methacrylate	0.546	0.599	-9.7	98	0.00
57	T	1,3-Dichloropropane	0.614	0.619	-0.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.298	-8.0	98	0.00
59	T	2-Hexanone	0.449	0.475	-5.8	95	0.00
60	T	Dibromochloromethane	0.385	0.398	-3.4	95	0.00
61	T	1,2-Dibromoethane	0.357	0.366	-2.5	96	0.00
62	S	4-Bromofluorobenzene	0.451	0.491	-8.9	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.353	0.323	8.5	91	0.00
65	PM	Chlorobenzene	1.068	1.043	2.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.368	0.8	97	0.00
67	C	Ethyl Benzene	1.914	1.917	-0.2#	94	0.00
68	T	m/p-Xylenes	0.696	0.709	-1.9	96	0.00
69	T	o-Xylene	0.686	0.699	-1.9	96	0.00
70	T	Styrene	1.132	1.185	-4.7	96	0.00
71	P	Bromoform	0.277	0.288	-4.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.005	3.906	2.5	97	0.00
74	T	N-amyl acetate	1.916	1.972	-2.9	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.291	8.2	97	0.00
76	T	1,2,3-Trichloropropane	1.220	1.130	7.4	96	0.00
77	T	Bromobenzene	0.925	0.881	4.8	98	0.00
78	T	n-propylbenzene	4.613	4.616	-0.1	98	0.00
79	T	2-Chlorotoluene	2.949	2.857	3.1	100	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.318	-0.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.351	2.2	98	0.00
82	T	4-Chlorotoluene	3.288	3.261	0.8	98	0.00
83	T	tert-Butylbenzene	3.279	3.287	-0.2	100	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.352	-0.8	99	0.00
85	T	sec-Butylbenzene	4.027	4.117	-2.2	99	0.00
86	T	p-Isopropyltoluene	3.320	3.412	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	1.684	1.629	3.3	100	0.00
88	T	1,4-Dichlorobenzene	1.708	1.635	4.3	100	0.00
89	T	n-Butylbenzene	2.879	3.099	-7.6	102	0.00
90	T	Hexachloroethane	0.571	0.579	-1.4	101	0.00
91	T	1,2-Dichlorobenzene	1.675	1.610	3.9	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.301	-2.4	99	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.957	-2.7	105	0.00
94	T	Hexachlorobutadiene	0.402	0.411	-2.2	106	0.00
95	T	Naphthalene	3.469	3.516	-1.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.976	0.981	-0.5	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	102	0.00
2	T	Dichlorodifluoromethane	50.000	49.789	0.4	92	0.00
3	P	Chloromethane	50.000	45.273	9.5	90	0.00
4	C	Vinyl Chloride	50.000	45.237	9.5#	90	0.00
5	T	Bromomethane	50.000	42.032	15.9	86	0.00
6	T	Chloroethane	50.000	47.617	4.8	91	0.00
7	T	Trichlorofluoromethane	50.000	47.866	4.3	94	0.00
8	T	Diethyl Ether	50.000	46.277	7.4	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.246	1.5	99	0.00
10	T	Methyl Iodide	50.000	45.000	10.0	88	0.00
11	T	Tert butyl alcohol	250.000	252.369	-0.9	100	0.00
12	CM	1,1-Dichloroethene	50.000	45.743	8.5#	93	0.00
13	T	Acrolein	250.000	186.241	25.5#	77	0.00
14	T	Allyl chloride	50.000	47.870	4.3	95	0.00
15	T	Acrylonitrile	250.000	237.140	5.1	92	0.00
16	T	Acetone	250.000	230.867	7.7	93	0.00
17	T	Carbon Disulfide	50.000	40.054	19.9	78	0.00
18	T	Methyl Acetate	50.000	52.996	-6.0	109	0.00
19	T	Methyl tert-butyl Ether	50.000	49.222	1.6	99	0.00
20	T	Methylene Chloride	50.000	46.141	7.7	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.197	9.6	90	0.00
22	T	Diisopropyl ether	50.000	47.818	4.4	95	0.00
23	T	Vinyl Acetate	250.000	246.059	1.6	93	0.00
24	P	1,1-Dichloroethane	50.000	46.549	6.9	95	0.00
25	T	2-Butanone	250.000	243.647	2.5	93	0.00
26	T	2,2-Dichloropropane	50.000	55.416	-10.8	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.644	8.7	92	0.00
28	T	Bromochloromethane	50.000	47.331	5.3	99	0.00
29	T	Tetrahydrofuran	250.000	236.531	5.4	92	0.00
30	C	Chloroform	50.000	47.500	5.0#	96	0.00
31	T	Cyclohexane	50.000	45.918	8.2	93	0.00
32	T	1,1,1-Trichloroethane	50.000	48.281	3.4	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.100	3.8	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	49.847	0.3	100	0.00
36	T	1,1-Dichloropropene	50.000	48.508	3.0	94	0.00
37	T	Ethyl Acetate	50.000	48.194	3.6	91	0.00
38	T	Carbon Tetrachloride	50.000	51.101	-2.2	97	0.00
39	T	Methylcyclohexane	50.000	50.764	-1.5	94	0.00
40	TM	Benzene	50.000	47.983	4.0	93	0.00
41	T	Methacrylonitrile	50.000	54.255	-8.5	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.595	-1.2	96	0.00
43	T	Isopropyl Acetate	50.000	52.534	-5.1	96	0.00
44	TM	Trichloroethene	50.000	48.127	3.7	93	0.00
45	C	1,2-Dichloropropane	50.000	49.393	1.2#	94	0.00
46	T	Dibromomethane	50.000	49.152	1.7	92	0.00
47	T	Bromodichloromethane	50.000	50.194	-0.4	96	0.00
48	T	Methyl methacrylate	50.000	53.257	-6.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	1080.494	-8.0	98	0.00
50	S	Toluene-d8	50.000	49.525	1.0	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.661	-5.5	94	0.00
52	CM	Toluene	50.000	48.475	3.0#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	47.584	4.8	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.744	-7.5	97	0.00
55	T	1,1,2-Trichloroethane	50.000	50.076	-0.2	96	0.00
56	T	Ethyl methacrylate	50.000	54.894	-9.8	98	0.00
57	T	1,3-Dichloropropane	50.000	50.393	-0.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.217	-8.1	98	0.00
59	T	2-Hexanone	250.000	264.335	-5.7	95	0.00
60	T	Dibromochloromethane	50.000	51.692	-3.4	95	0.00
61	T	1,2-Dibromoethane	50.000	51.286	-2.6	96	0.00
62	S	4-Bromofluorobenzene	50.000	54.421	-8.8	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	45.712	8.6	91	0.00
65	PM	Chlorobenzene	50.000	48.815	2.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.662	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.102	-0.2#	94	0.00
68	T	m/p-Xylenes	100.000	101.879	-1.9	96	0.00
69	T	o-Xylene	50.000	50.973	-1.9	96	0.00
70	T	Styrene	50.000	52.356	-4.7	96	0.00
71	P	Bromoform	50.000	51.992	-4.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	48.759	2.5	97	0.00
74	T	N-amyl acetate	50.000	51.455	-2.9	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.869	8.3	97	0.00
76	T	1,2,3-Trichloropropane	50.000	46.318	7.4	96	0.00
77	T	Bromobenzene	50.000	47.589	4.8	98	0.00
78	T	n-propylbenzene	50.000	50.027	-0.1	98	0.00
79	T	2-Chlorotoluene	50.000	48.443	3.1	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.087	-0.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.803	2.4	98	0.00
82	T	4-Chlorotoluene	50.000	49.589	0.8	98	0.00
83	T	tert-Butylbenzene	50.000	50.120	-0.2	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.423	-0.8	99	0.00
85	T	sec-Butylbenzene	50.000	51.118	-2.2	99	0.00
86	T	p-Isopropyltoluene	50.000	51.391	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	48.364	3.3	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.866	4.3	100	0.00
89	T	n-Butylbenzene	50.000	53.822	-7.6	102	0.00
90	T	Hexachloroethane	50.000	50.695	-1.4	101	0.00
91	T	1,2-Dichlorobenzene	50.000	48.079	3.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.215	-2.4	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.329	-2.7	105	0.00
94	T	Hexachlorobutadiene	50.000	51.144	-2.3	106	0.00
95	T	Naphthalene	50.000	50.677	-1.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	50.247	-0.5	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.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 19:42

Lab File ID: VX045753.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.768	0.720	0.1	-6.25	50
Vinyl Chloride	0.703	0.676		-3.84	50
Bromomethane	0.333	0.302		-9.31	50
Chloroethane	0.373	0.327		-12.33	50
Trichlorofluoromethane	1.048	1.046		-0.19	50
1,1,2-Trichlorotrifluoroethane	0.614	0.606		-1.3	50
1,1-Dichloroethene	0.600	0.580		-3.33	50
Acetone	0.375	0.376		0.27	50
Carbon Disulfide	1.483	1.195		-19.42	50
Methyl tert-butyl Ether	2.100	2.139		1.86	50
Methylene Chloride	0.703	0.684		-2.7	50
trans-1,2-Dichloroethene	0.613	0.586		-4.41	50
1,1-Dichloroethane	1.269	1.257	0.1	-0.95	50
2-Butanone	0.550	0.568		3.27	50
Carbon Tetrachloride	0.518	0.519		0.19	50
cis-1,2-Dichloroethene	0.747	0.724		-3.08	50
Chloroform	1.306	1.320		1.07	50
1,1,1-Trichloroethane	1.105	1.098		-0.63	50
Methylcyclohexane	0.587	0.562		-4.26	50
Benzene	1.463	1.417		-3.14	50
1,2-Dichloroethane	0.604	0.621		2.82	50
Trichloroethene	0.348	0.337		-3.16	50
1,2-Dichloropropane	0.365	0.365		0	50
Bromodichloromethane	0.560	0.566		1.07	50
4-Methyl-2-Pentanone	0.606	0.635		4.78	50
Toluene	0.885	0.864		-2.37	50
t-1,3-Dichloropropene	0.467	0.479		2.57	50
cis-1,3-Dichloropropene	0.526	0.530		0.76	50
1,1,2-Trichloroethane	0.353	0.358		1.42	50
2-Hexanone	0.449	0.466		3.79	50
Dibromochloromethane	0.385	0.396		2.86	50
Tetrachloroethene	0.353	0.335		-5.1	50
Chlorobenzene	1.068	1.068	0.3	0	50
Ethyl Benzene	1.914	1.929		0.78	50
m/p-Xylenes	0.696	0.703		1.01	50
o-Xylene	0.686	0.703		2.48	50
Styrene	1.132	1.186		4.77	50
Bromoform	0.277	0.278	0.1	0.36	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.: Q1773 SAS No.: Q1773 SDG No.: Q1773

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 19:42

Lab File ID: VX045753.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.005	3.985		-0.5	50
1,1,2,2-Tetrachloroethane	1.407	1.327	0.3	-5.69	50
1,3-Dichlorobenzene	1.684	1.609		-4.45	50
1,4-Dichlorobenzene	1.708	1.606		-5.97	50
1,2-Dichlorobenzene	1.675	1.636		-2.33	50
1,2-Dichloroethane-d4	0.914	0.966		5.69	50
Dibromofluoromethane	0.355	0.356		0.28	50
Toluene-d8	1.238	1.228		-0.81	50
4-Bromofluorobenzene	0.451	0.467		3.55	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_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	85207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82299	52.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	5.379	113	54566	50.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.647	98	188183	49.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	71478	51.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64094	50.299	ug/l	99
3) Chloromethane	1.300	50	61308	46.832	ug/l	100
4) Vinyl Chloride	1.373	62	57590	48.070	ug/l	100
5) Bromomethane	1.593	94	25726	45.288	ug/l	95
6) Chloroethane	1.660	64	27868	43.844	ug/l	98
7) Trichlorofluoromethane	1.867	101	89092	49.869	ug/l	97
8) Diethyl Ether	2.136	74	29656	49.444	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	51610	49.300	ug/l	98
10) Methyl Iodide	2.440	142	63937	48.966	ug/l	97
11) Tert butyl alcohol	2.989	59	50890	243.014	ug/l	99
12) 1,1-Dichloroethene	2.306	96	49434	48.327	ug/l	98
13) Acrolein	2.239	56	72885	252.744	ug/l	100
14) Allyl chloride	2.654	41	97067	50.013	ug/l	99
15) Acrylonitrile	3.062	53	166094	251.263	ug/l	99
16) Acetone	2.385	43	160347	250.602	ug/l	99
17) Carbon Disulfide	2.501	76	101834	40.308	ug/l	99
18) Methyl Acetate	2.703	43	84713	57.504	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	182289	50.943	ug/l	99
20) Methylene Chloride	2.782	84	58294	48.665	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	49920	47.769	ug/l	97
22) Diisopropyl ether	3.763	45	197003	51.529	ug/l	99
23) Vinyl Acetate	3.721	43	844015	255.514	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107113	49.540	ug/l	99
25) 2-Butanone	4.562	43	242145	258.535	ug/l	100
26) 2,2-Dichloropropane	4.470	77	66775	47.800	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	61699	48.460	ug/l	98
28) Bromochloromethane	4.891	49	51825	49.600	ug/l	98
29) Tetrahydrofuran	5.007	42	152548	251.219	ug/l	99
30) Chloroform	5.086	83	112483	50.559	ug/l	99
31) Cyclohexane	5.458	56	90212	47.195	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	93595	49.717	ug/l	99
36) 1,1-Dichloropropene	5.684	75	70256	47.875	ug/l	99
37) Ethyl Acetate	4.714	43	89527	48.411	ug/l	99
38) Carbon Tetrachloride	5.671	117	79481	50.115	ug/l	99
39) Methylcyclohexane	7.372	83	86058	47.841	ug/l	98
40) Benzene	6.031	78	217012	48.421	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	53623	54.955	ug/l		98
42) 1,2-Dichloroethane	6.080	62	95082	51.365	ug/l		100
43) Isopropyl Acetate	6.336	43	141995	50.660	ug/l		100
44) Trichloroethene	7.122	130	51614	48.452	ug/l		97
45) 1,2-Dichloropropane	7.427	63	55895	49.984	ug/l		96
46) Dibromomethane	7.580	93	42816	49.878	ug/l		99
47) Bromodichloromethane	7.817	83	86669	50.556	ug/l		99
48) Methyl methacrylate	7.689	41	76302	52.724	ug/l		97
49) 1,4-Dioxane	7.665	88	27382	1045.779	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	486157	261.644	ug/l		100
52) Toluene	8.714	92	132303	48.785	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73359	44.751	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	81250	50.435	ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	54804	50.713	ug/l		97
56) Ethyl methacrylate	9.116	69	89288	53.387	ug/l		99
57) 1,3-Dichloropropane	9.305	76	94836	50.395	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	222765	263.298	ug/l		100
59) 2-Hexanone	9.433	43	357016	259.467	ug/l		99
60) Dibromochloromethane	9.518	129	60677	51.502	ug/l		99
61) 1,2-Dibromoethane	9.604	107	55165	50.426	ug/l		100
64) Tetrachloroethene	9.268	164	45111	47.399	ug/l		97
65) Chlorobenzene	10.079	112	143974	49.983	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.158	131	49904	49.902	ug/l		98
67) Ethyl Benzene	10.189	91	259982	50.395	ug/l		99
68) m/p-Xylenes	10.299	106	189582	101.039	ug/l		99
69) o-Xylene	10.640	106	94810	51.294	ug/l		98
70) Styrene	10.652	104	159810	52.385	ug/l		99
71) Bromoform	10.799	173	37433	50.132	ug/l	#	98
73) Isopropylbenzene	10.957	105	252881	49.753	ug/l		100
74) N-amyl acetate	10.841	43	121387	49.926	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	84233	47.176	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	72492m	46.836	ug/l		
77) Bromobenzene	11.195	156	56882	48.436	ug/l		99
78) n-propylbenzene	11.305	91	291204	49.741	ug/l		100
79) 2-Chlorotoluene	11.359	91	182163	48.671	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	210739	50.140	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	20335	44.589	ug/l		95
82) 4-Chlorotoluene	11.451	91	207110	49.632	ug/l		100
83) tert-Butylbenzene	11.713	119	208036	49.996	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	211110	50.044	ug/l		100
85) sec-Butylbenzene	11.890	105	260361	50.943	ug/l		100
86) p-Isopropyltoluene	12.006	119	212566	50.448	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	102095	47.759	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	101930	47.033	ug/l		98
89) n-Butylbenzene	12.329	91	184298	50.440	ug/l		100
90) Hexachloroethane	12.536	117	35741	49.357	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	103817	48.847	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19365	51.860	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	59591	50.371	ug/l		99
94) Hexachlorobutadiene	13.725	225	24648	48.349	ug/l		97
95) Naphthalene	13.774	128	226111	51.359	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61729	49.830	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

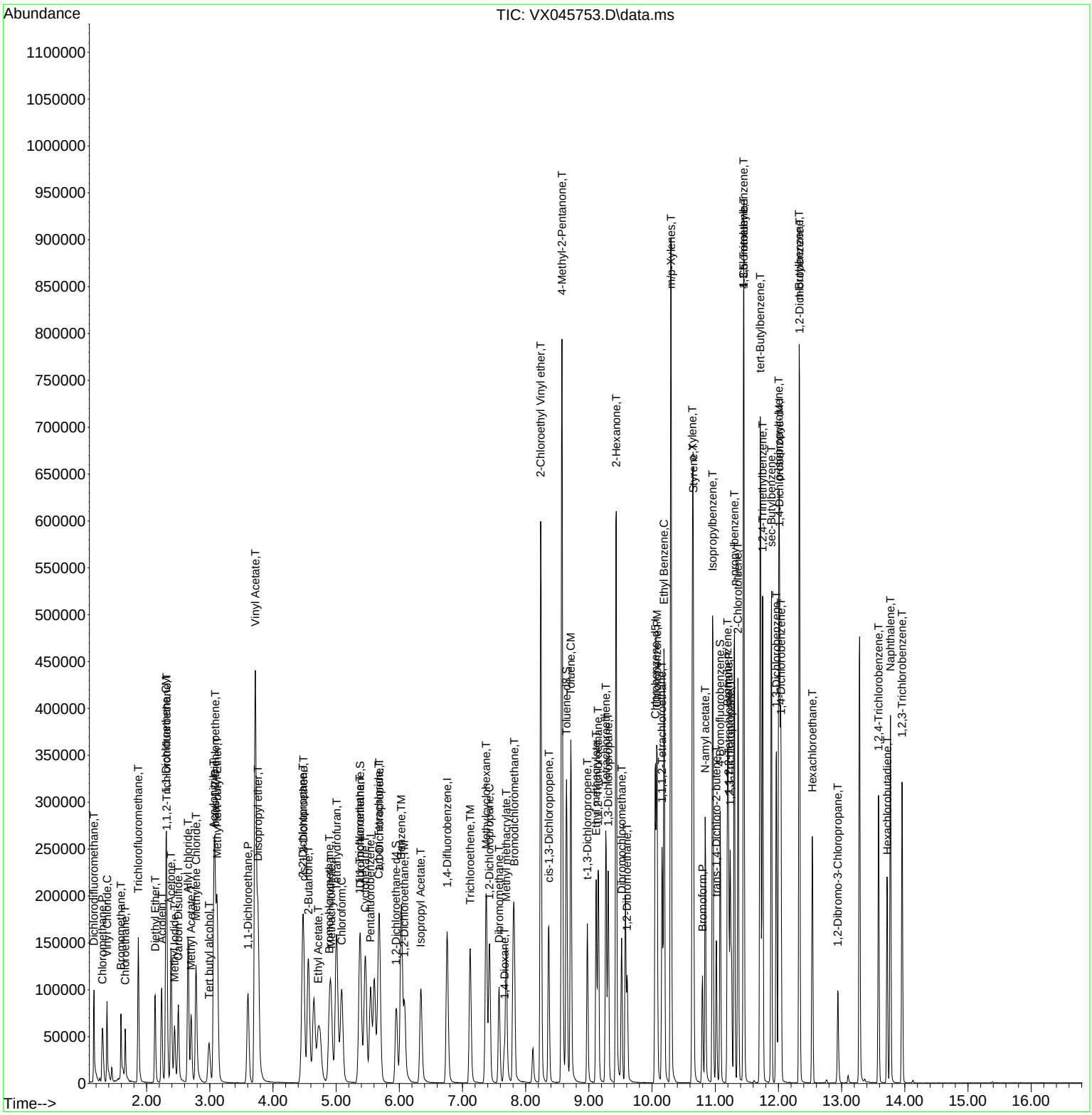
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

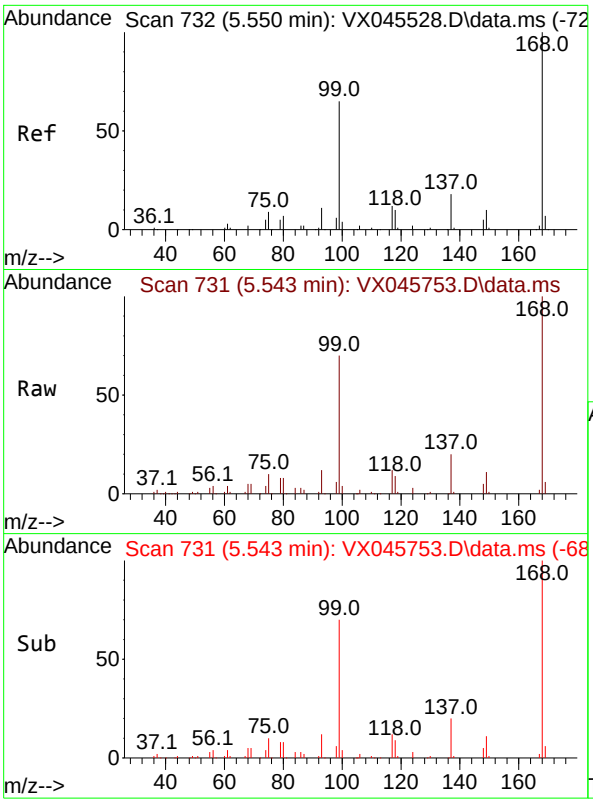
Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

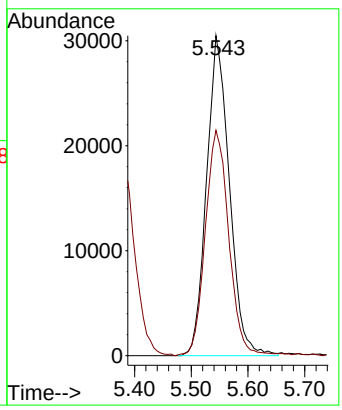




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:168 Resp: 8520

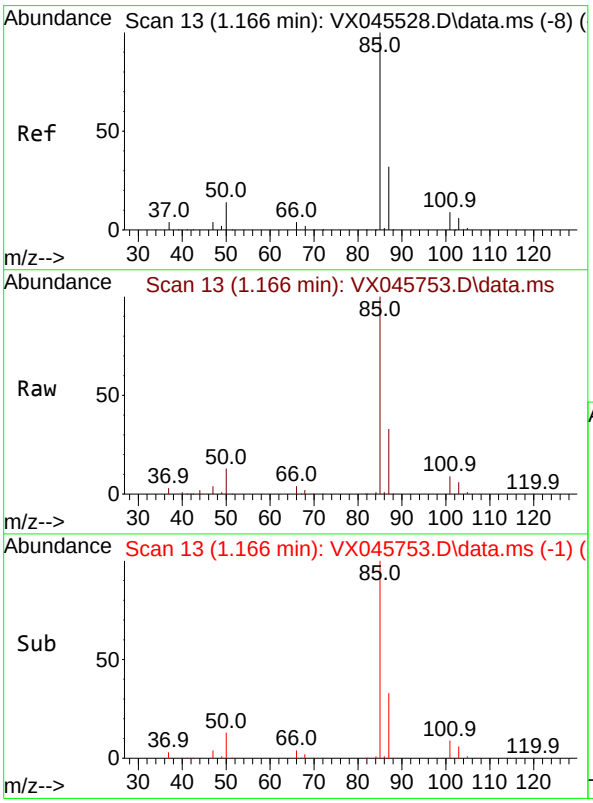
Ion	Ratio	Lower	Upper
168	100		
99	70.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

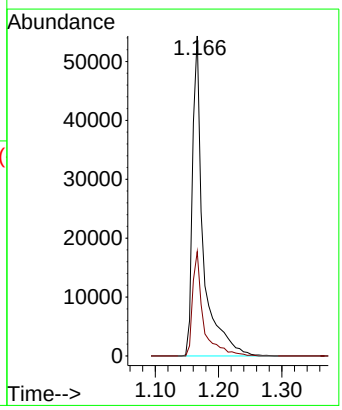
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

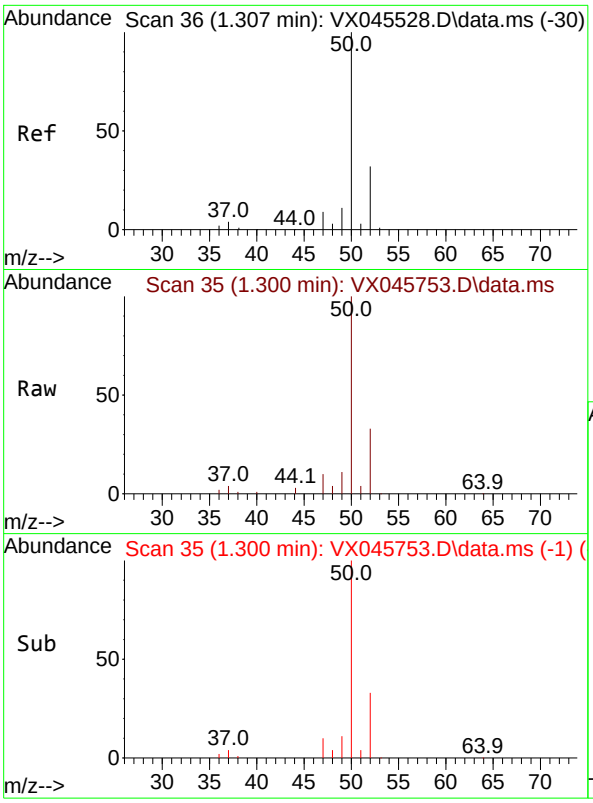


#2
Dichlorodifluoromethane
Concen: 50.299 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 85 Resp: 64094

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2

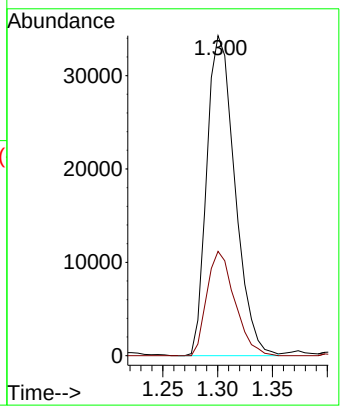




#3
Chloromethane
Concen: 46.832 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 50 Resp: 6130

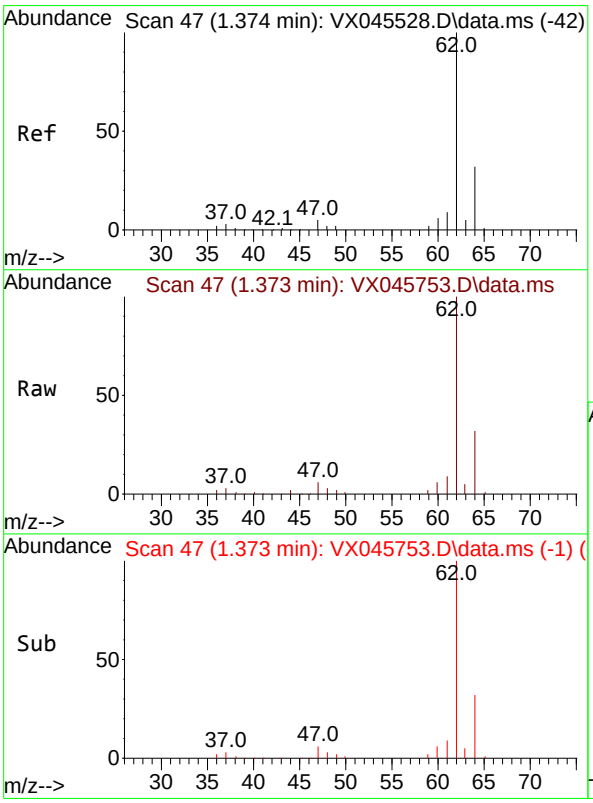
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

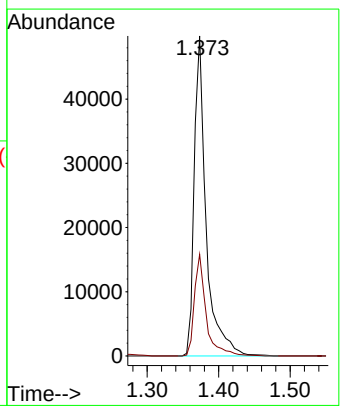
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

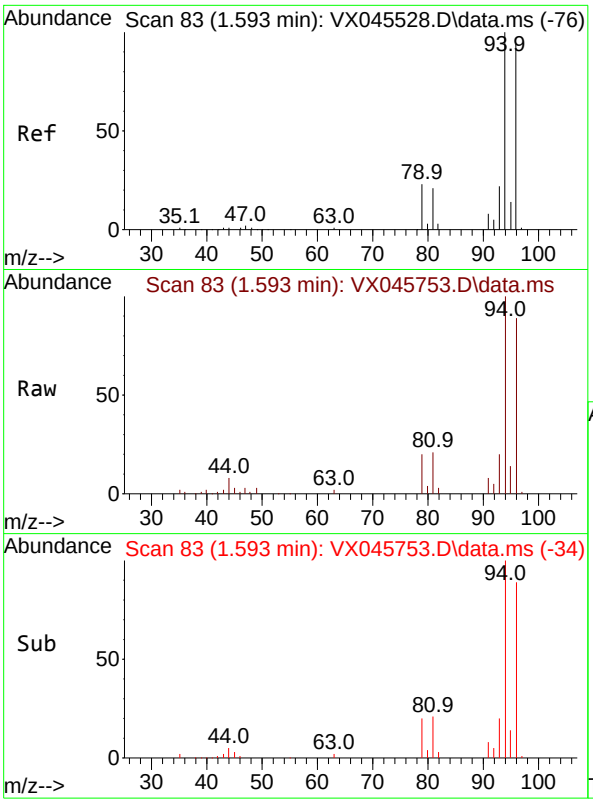


#4
Vinyl Chloride
Concen: 48.070 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 62 Resp: 57590

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.5	38.3

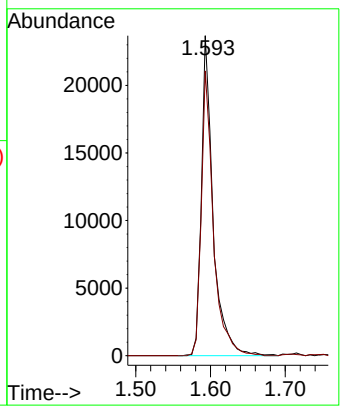




#5
Bromomethane
Concen: 45.288 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 94 Resp: 2572

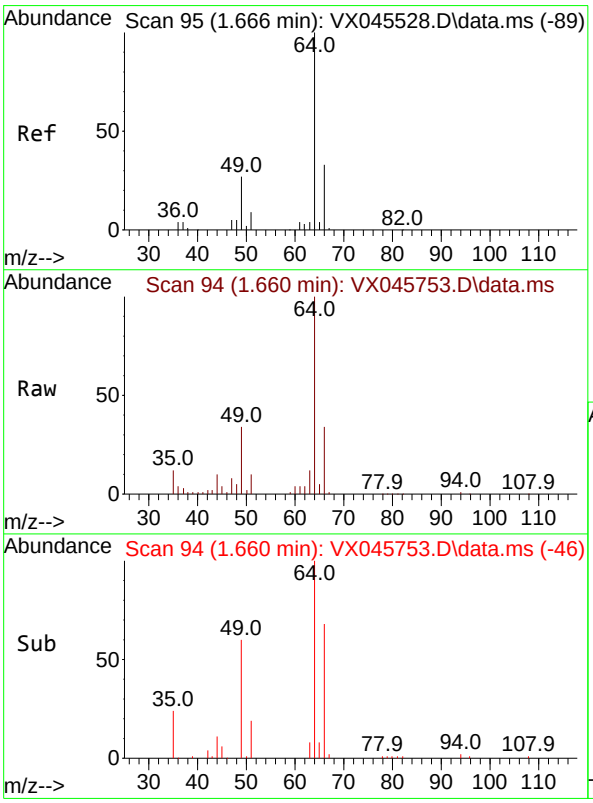
Ion	Ratio	Lower	Upper
94	100		
96	89.0	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

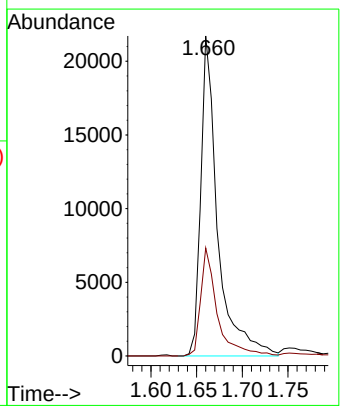
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

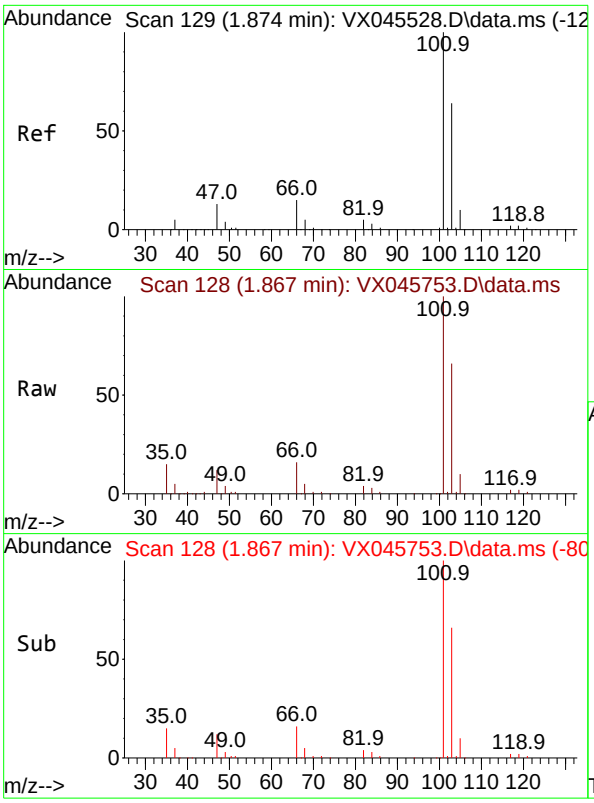


#6
Chloroethane
Concen: 43.844 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 64 Resp: 27868

Ion	Ratio	Lower	Upper
64	100		
66	33.8	26.3	39.5

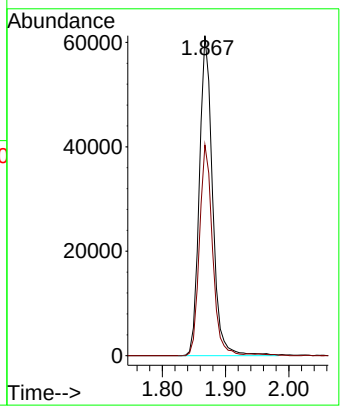




#7
Trichlorofluoromethane
Concen: 49.869 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:101 Resp: 8909

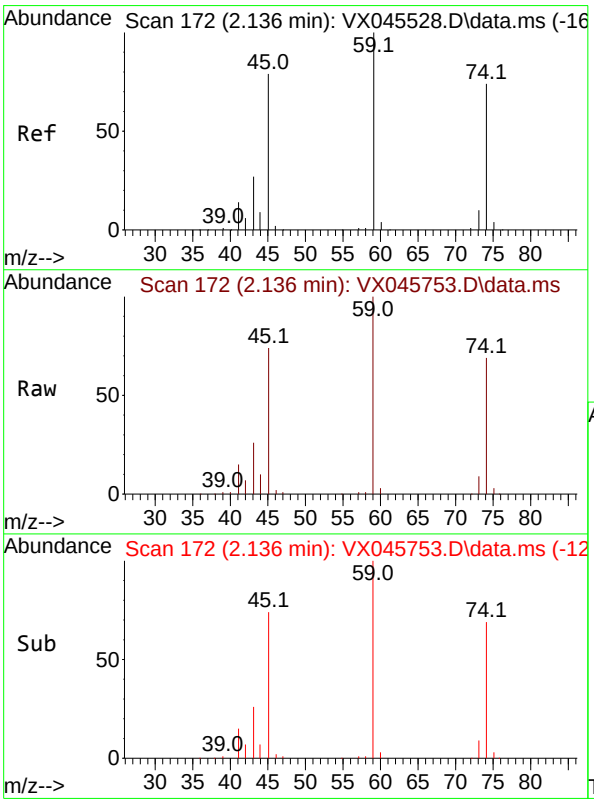
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

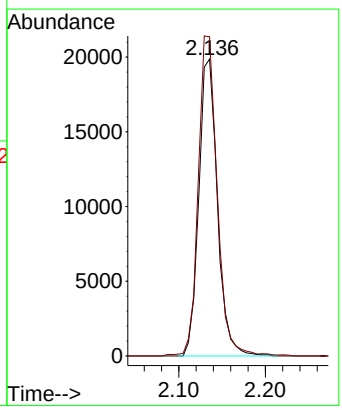
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

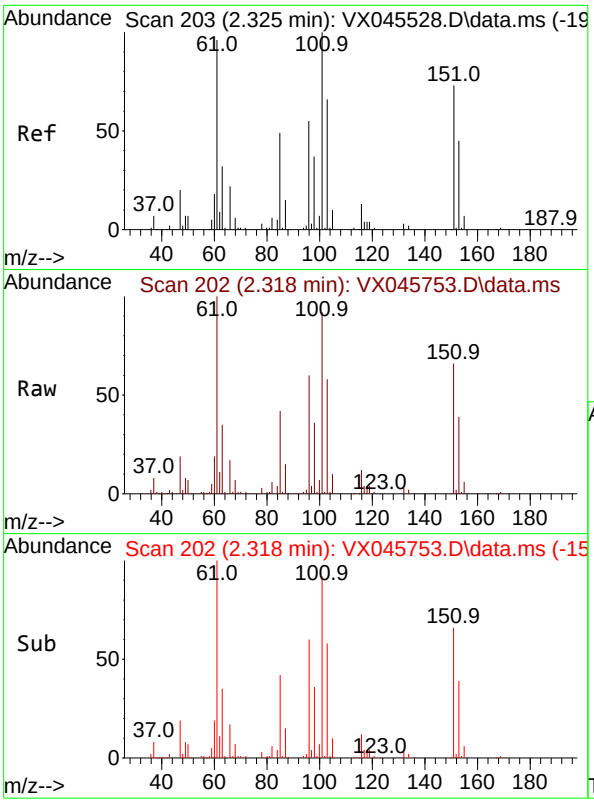


#8
Diethyl Ether
Concen: 49.444 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 74 Resp: 29656

Ion	Ratio	Lower	Upper
74	100		
45	110.1	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.300 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

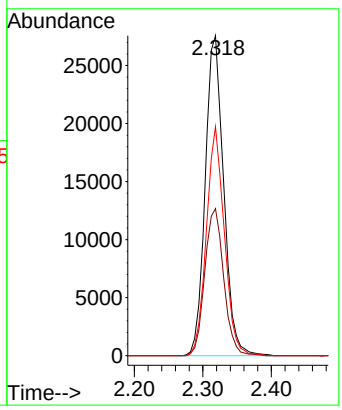
Tgt Ion:101 Resp: 5161

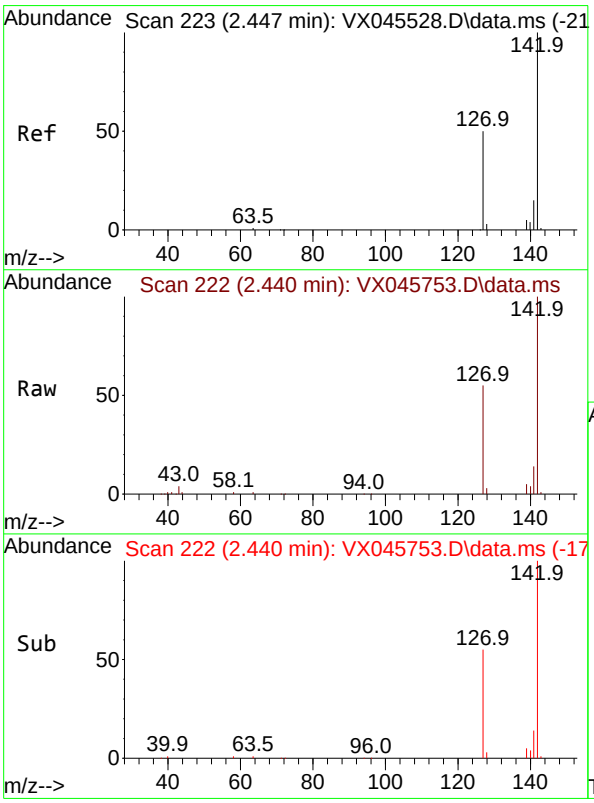
Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.9	58.3
151	69.7	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

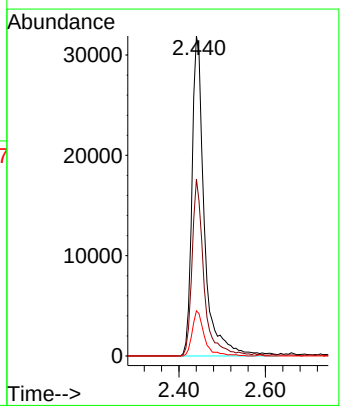


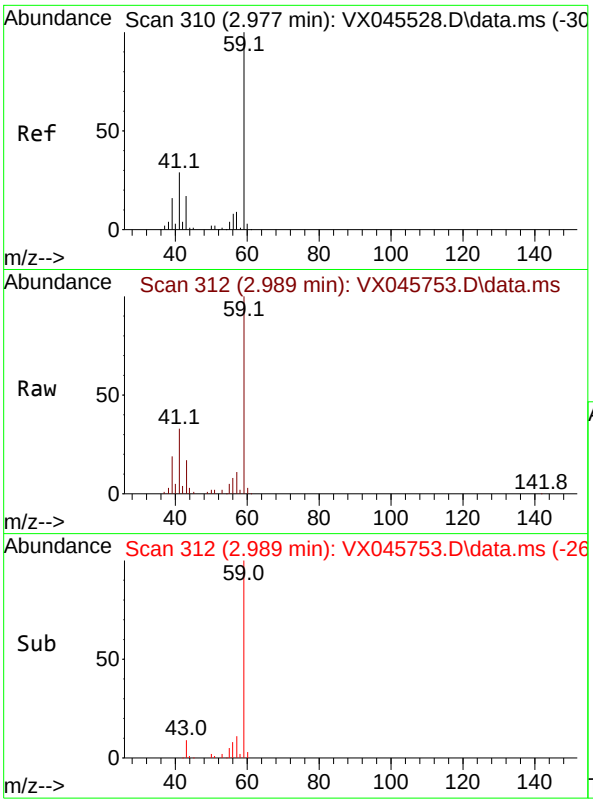


#10
Methyl Iodide
Concen: 48.966 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:142 Resp: 63937

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.2	60.4
141	13.8	11.7	17.5





#11
Tert butyl alcohol
Concen: 243.014 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

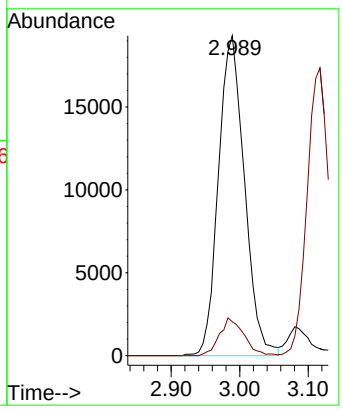
Tgt Ion: 59 Resp: 5089

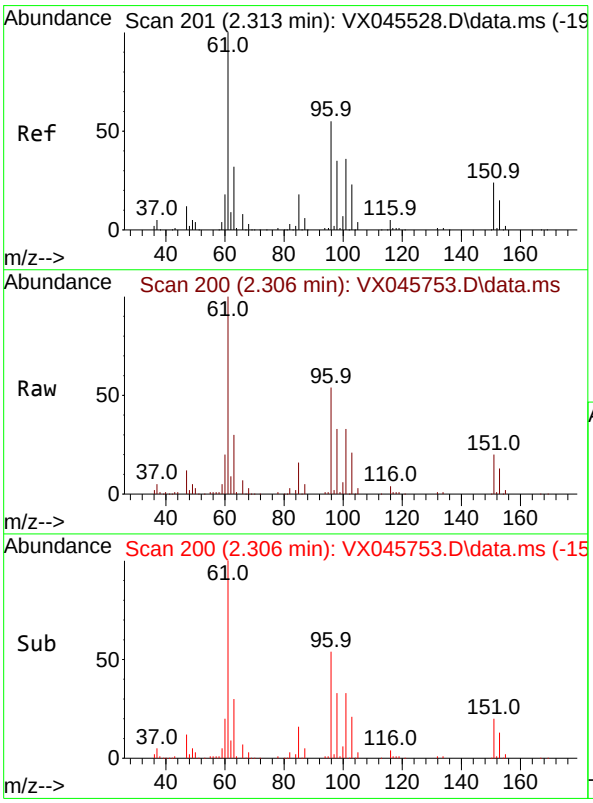
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

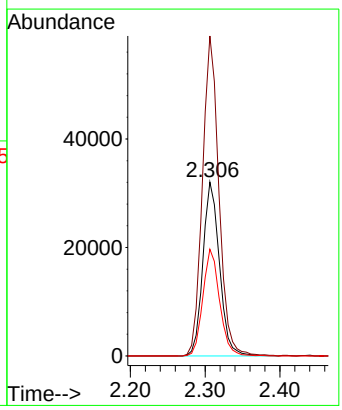


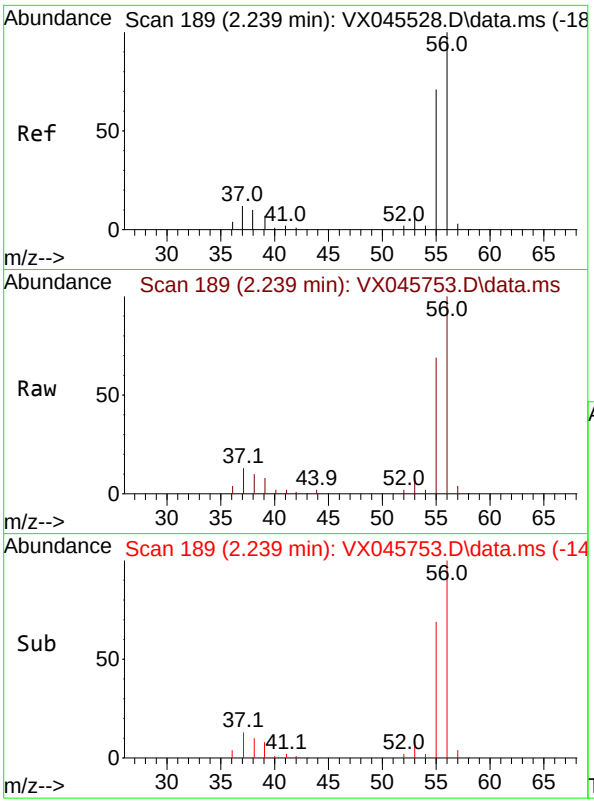


#12
1,1-Dichloroethene
Concen: 48.327 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 96 Resp: 49434

Ion	Ratio	Lower	Upper
96	100		
61	183.9	145.7	218.5
98	61.4	51.6	77.4

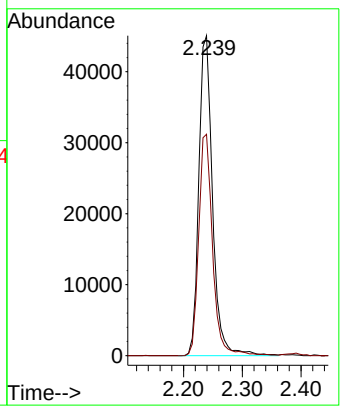




#13
Acrolein
Concen: 252.744 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 56 Resp: 7288

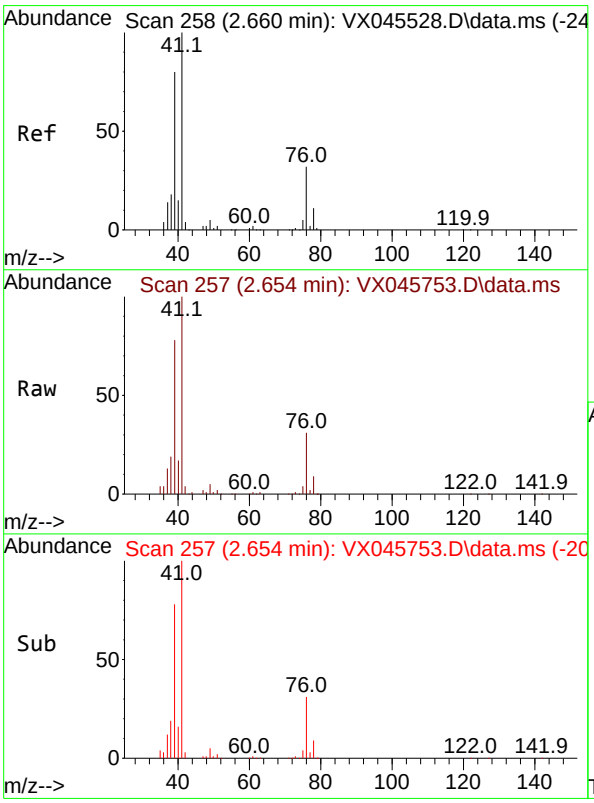
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

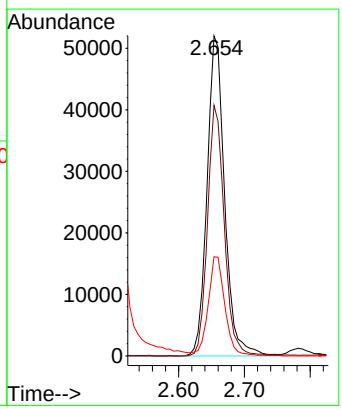
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

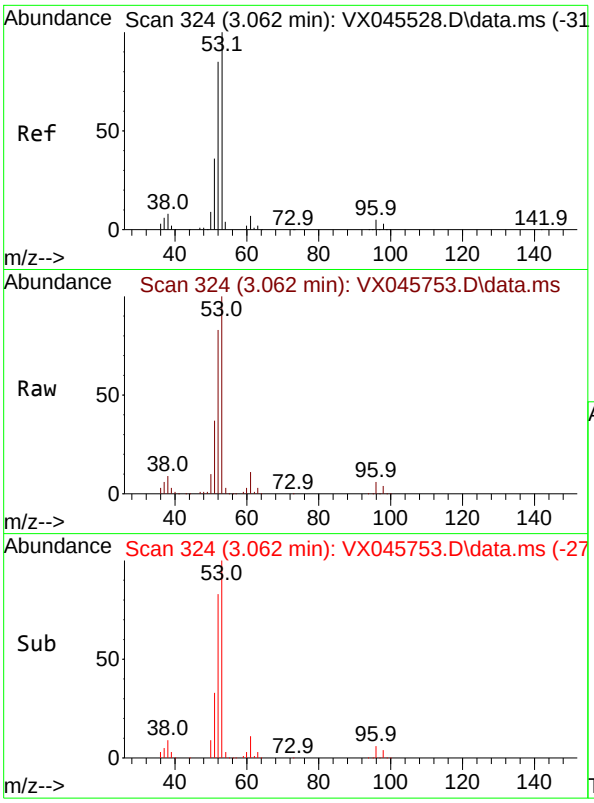


#14
Allyl chloride
Concen: 50.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 41 Resp: 97067

Ion	Ratio	Lower	Upper
41	100		
39	74.5	60.2	90.2
76	29.5	24.6	36.8





#15
Acrylonitrile
Concen: 251.263 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

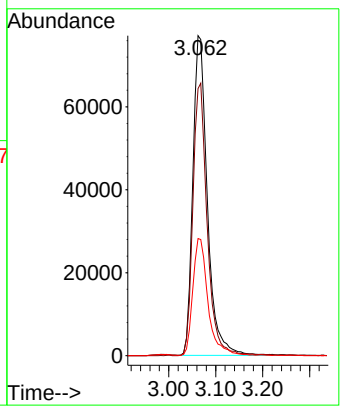
Tgt Ion: 53 Resp: 16609

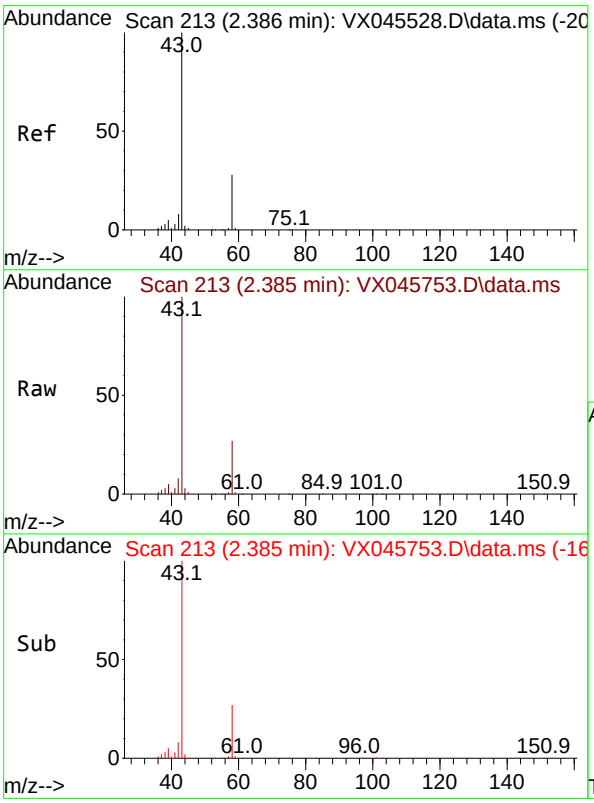
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.4	101.2
51	38.2	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

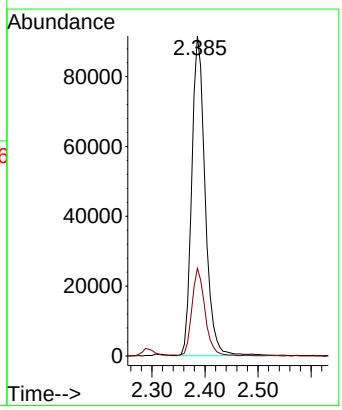


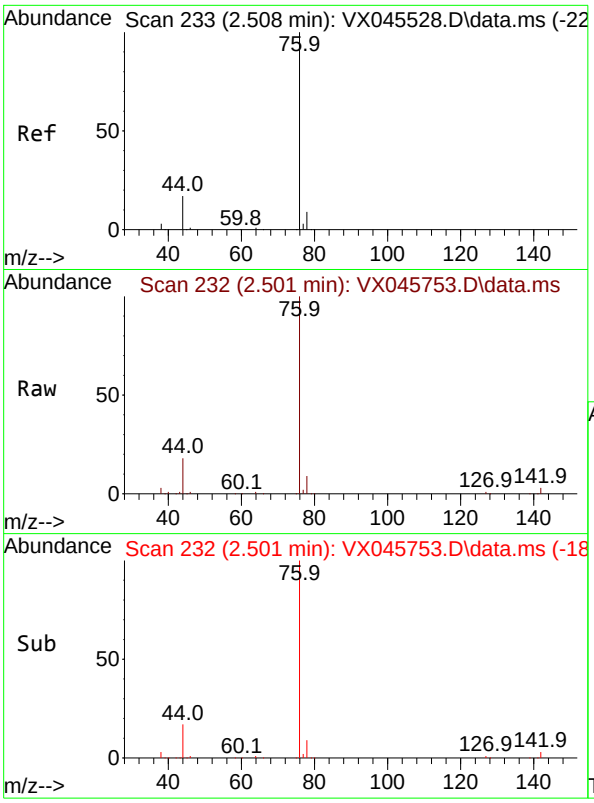


#16
Acetone
Concen: 250.602 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 160347

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.3	33.5

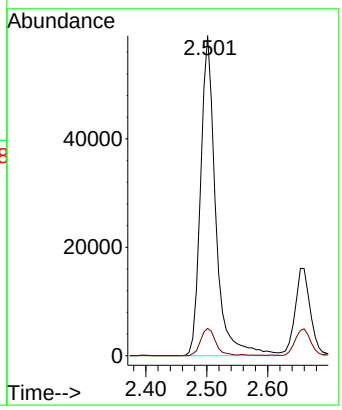




#17
Carbon Disulfide
Concen: 40.308 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 76 Resp: 10183

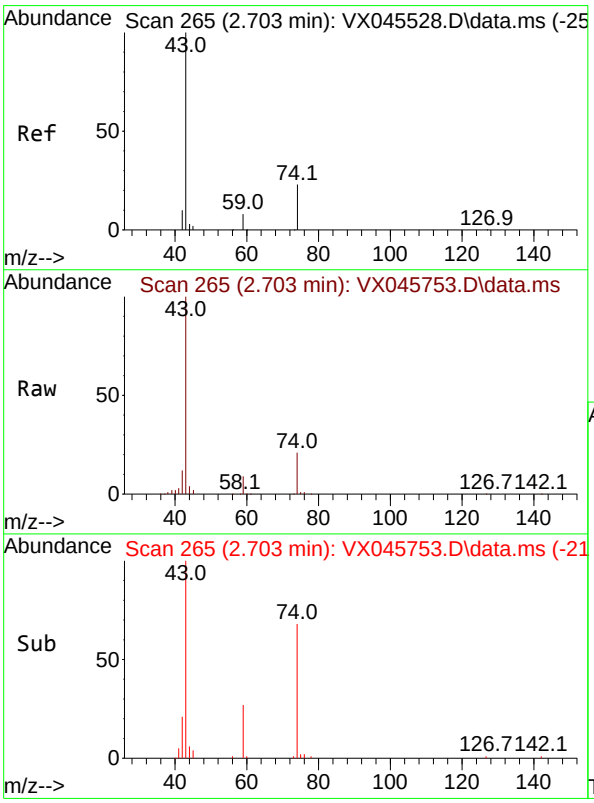
Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

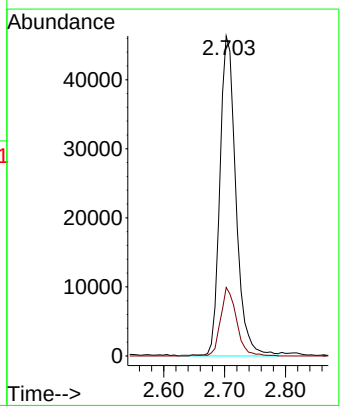
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

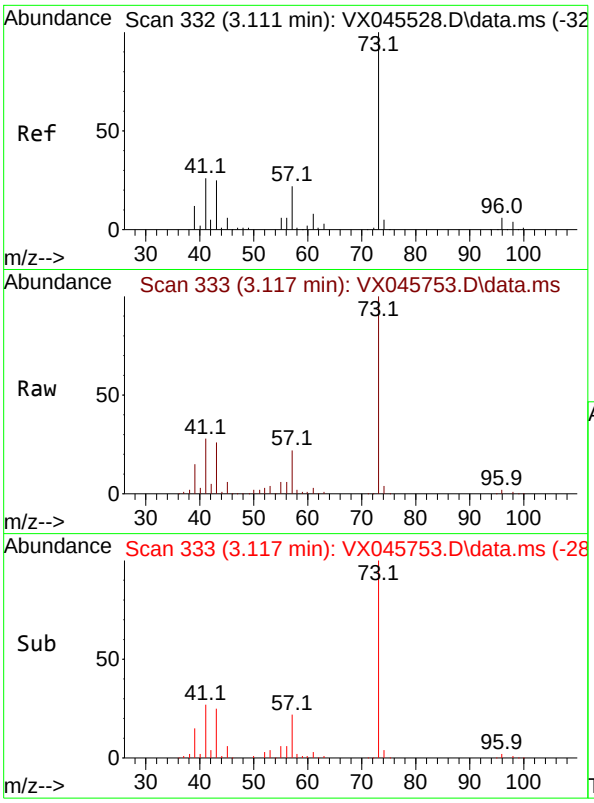


#18
Methyl Acetate
Concen: 57.504 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 84713

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.5	26.3

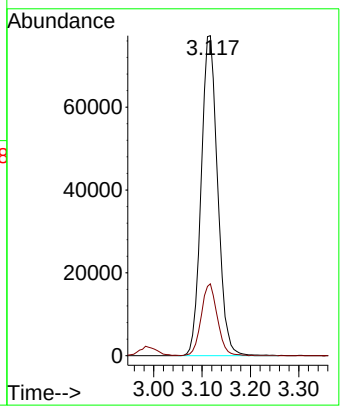




#19
Methyl tert-butyl Ether
Concen: 50.943 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 73 Resp: 18228

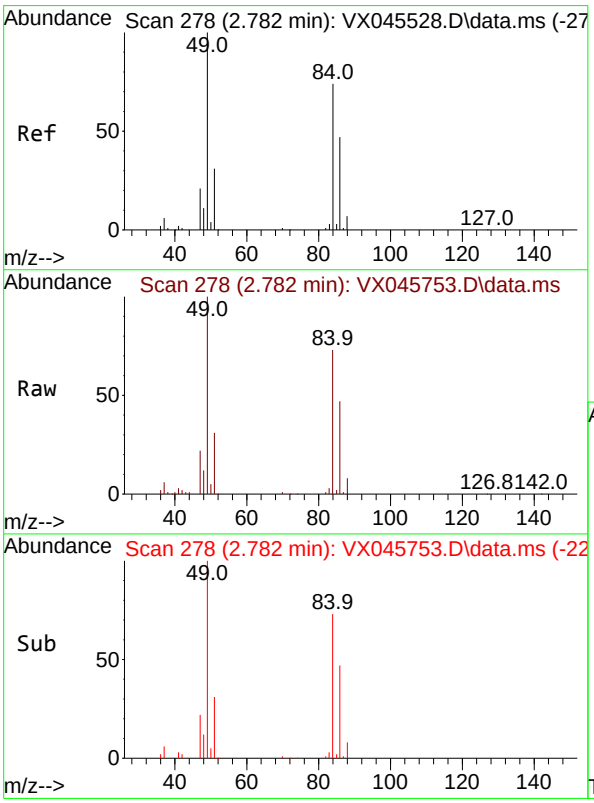
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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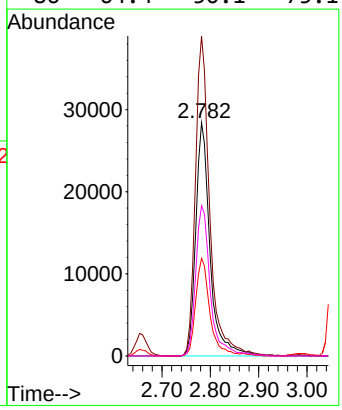
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

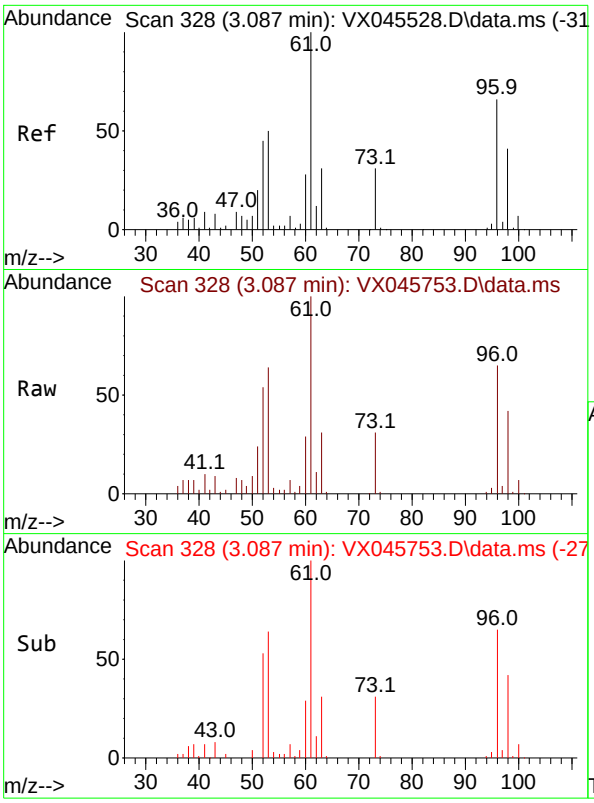


#20
Methylene Chloride
Concen: 48.665 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 84 Resp: 58294

Ion	Ratio	Lower	Upper
84	100		
49	137.1	107.5	161.3
51	41.9	33.0	49.6
86	64.4	50.1	75.1

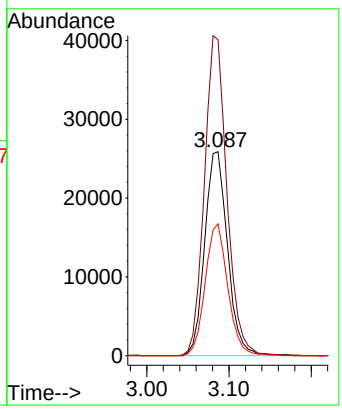




#21
trans-1,2-Dichloroethene
Concen: 47.769 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 96 Resp: 4992

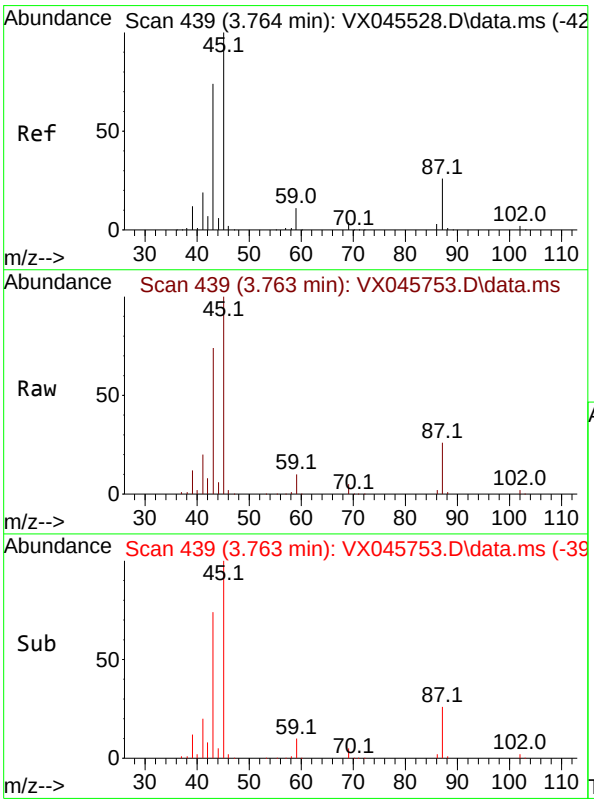
Ion	Ratio	Lower	Upper
96	100		
61	154.9	121.0	181.6
98	64.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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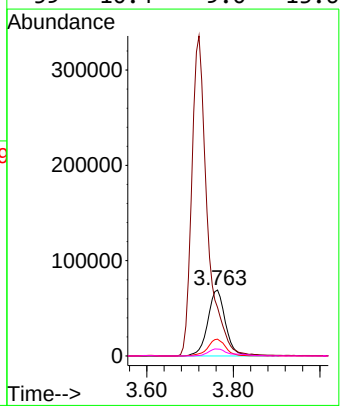
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

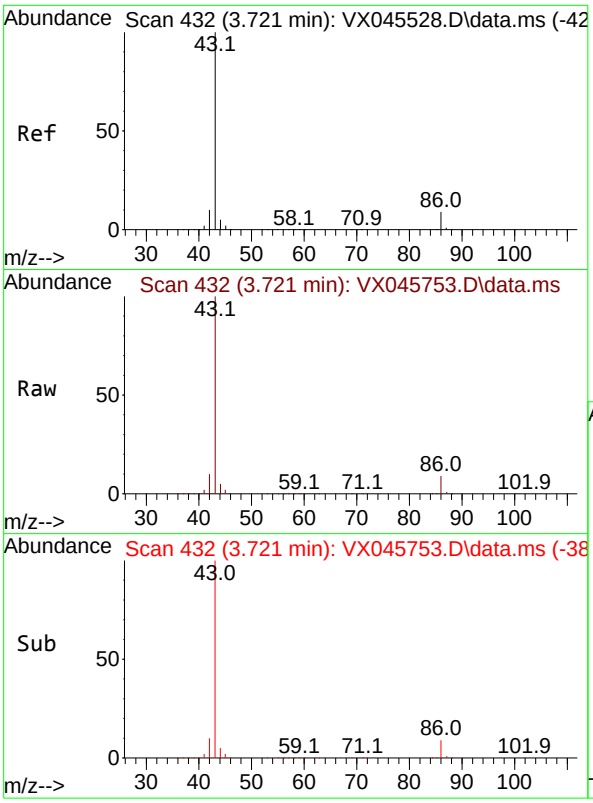


#22
Diisopropyl ether
Concen: 51.529 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 45 Resp: 197003

Ion	Ratio	Lower	Upper
45	100		
43	73.5	59.3	88.9
87	25.5	20.4	30.6
59	10.4	9.0	13.6





#23
Vinyl Acetate
Concen: 255.514 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

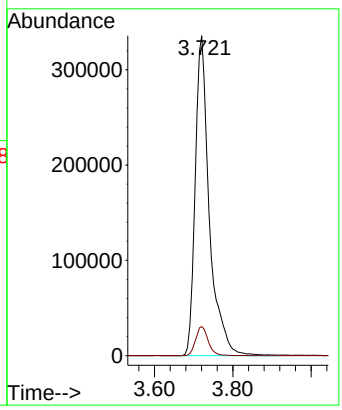
Tgt Ion: 43 Resp: 84401

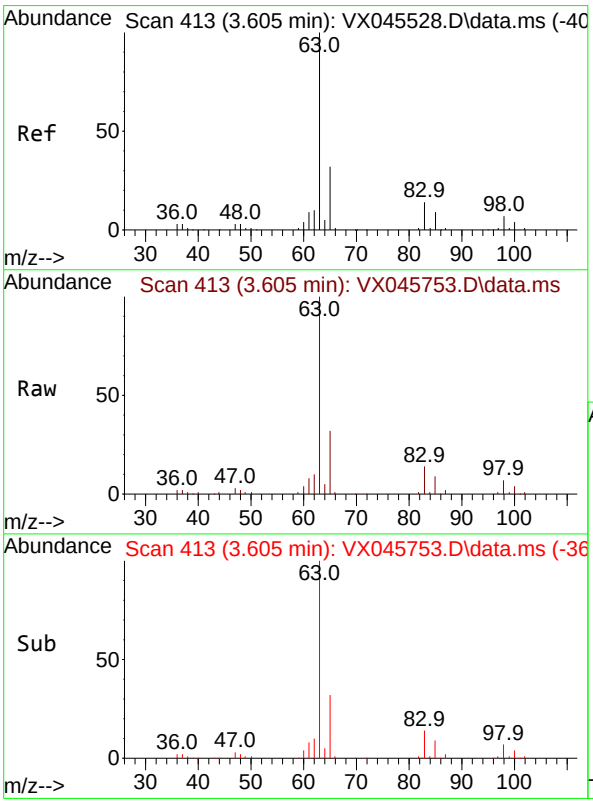
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

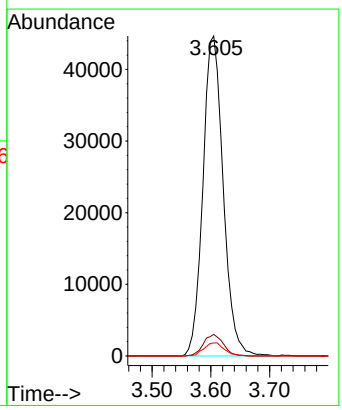


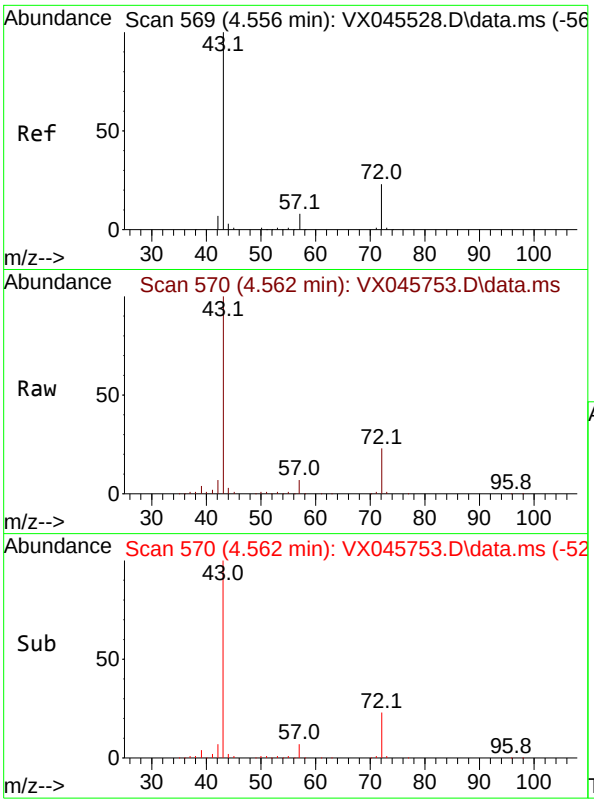


#24
1,1-Dichloroethane
Concen: 49.540 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 63 Resp: 107113

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.0	2.2	6.6





#25
2-Butanone
Concen: 258.535 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

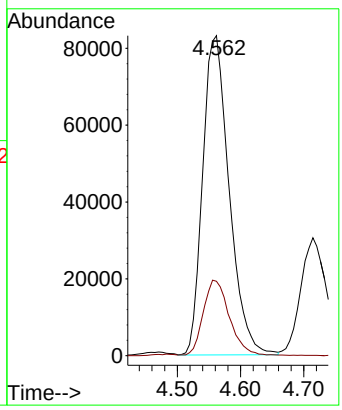
Tgt Ion: 43 Resp: 24214

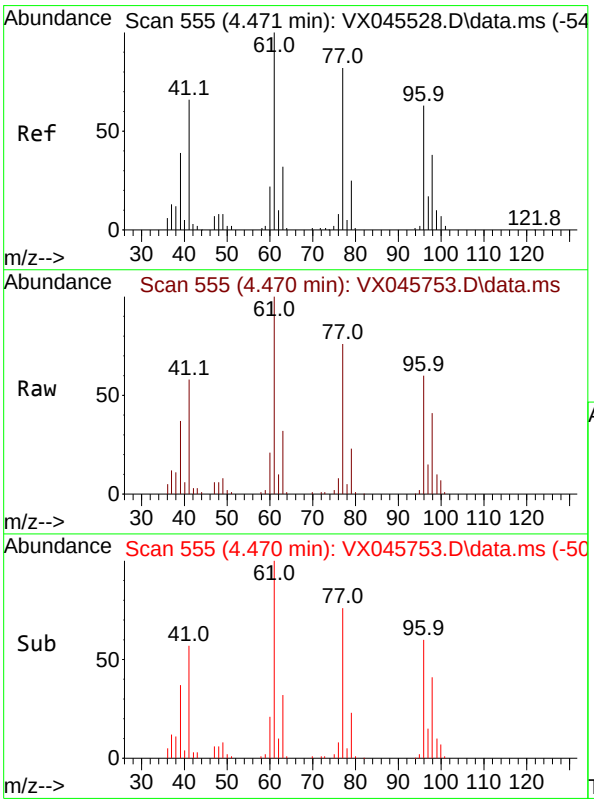
Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

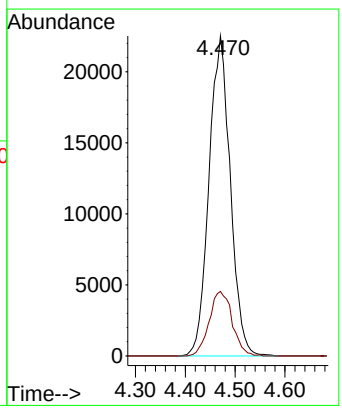


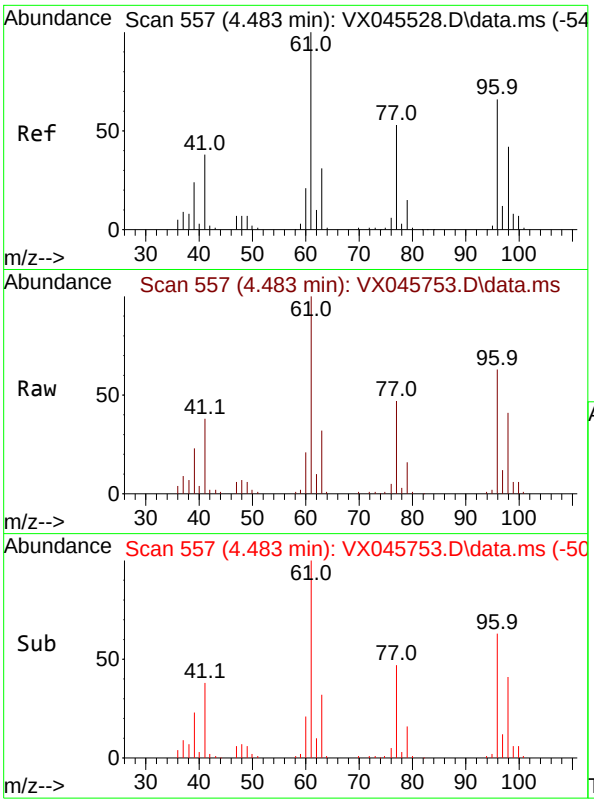


#26
2,2-Dichloropropane
Concen: 47.800 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 77 Resp: 66775

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

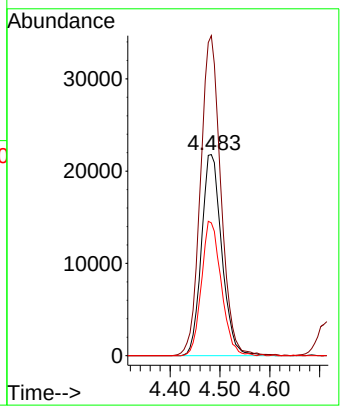




#27
cis-1,2-Dichloroethene
Concen: 48.460 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 96 Resp: 6169

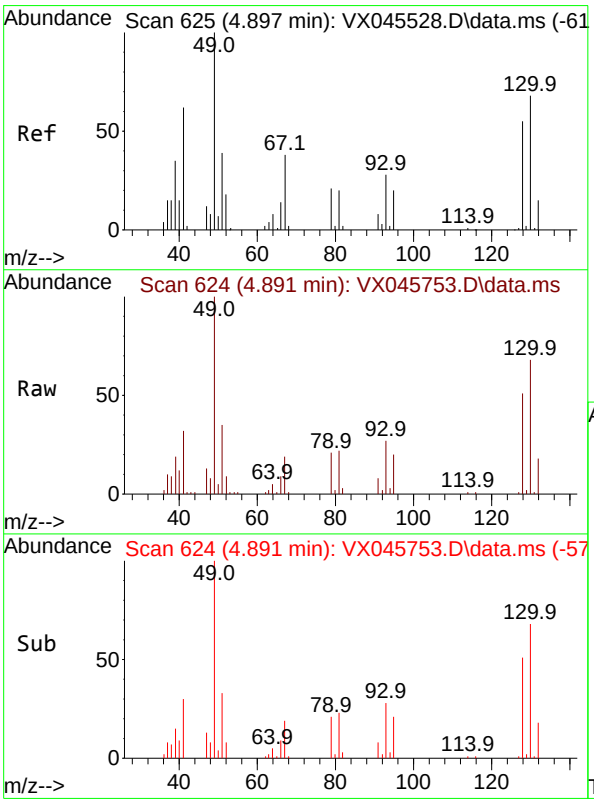
Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	313.2
98	65.0	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

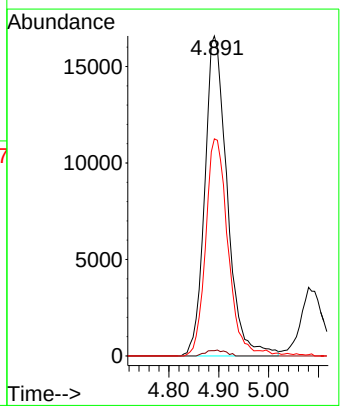
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

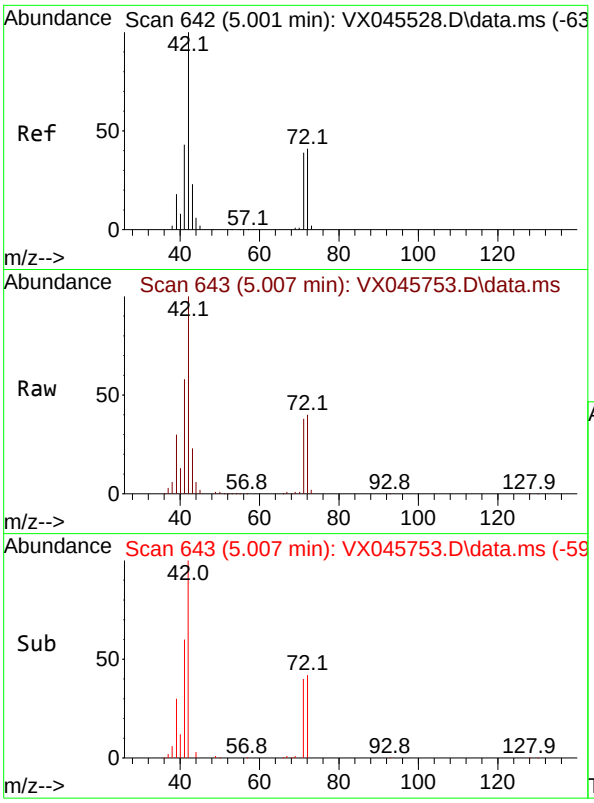


#28
Bromochloromethane
Concen: 49.600 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 49 Resp: 51825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.8	54.6	81.8





#29
Tetrahydrofuran
Concen: 251.219 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

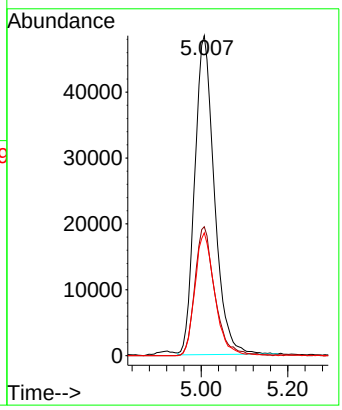
Tgt Ion: 42 Resp: 15254

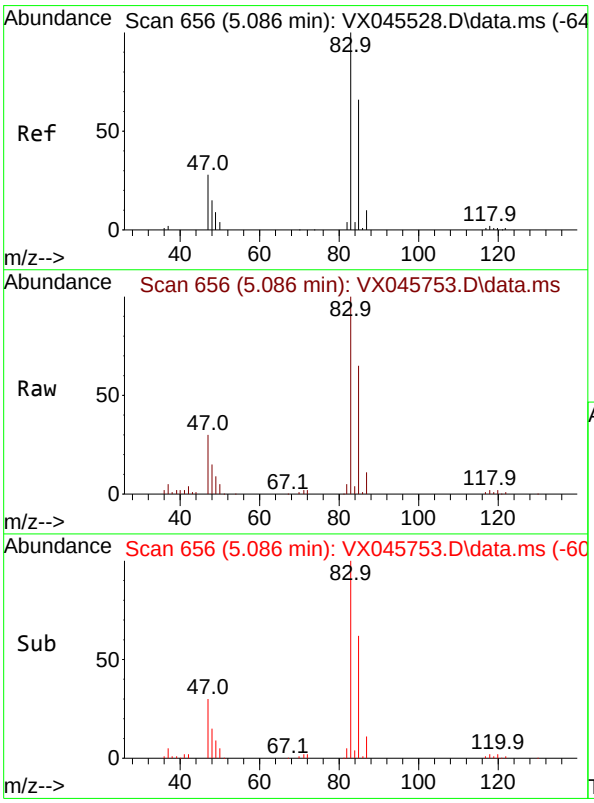
Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.4	50.0
71	38.5	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

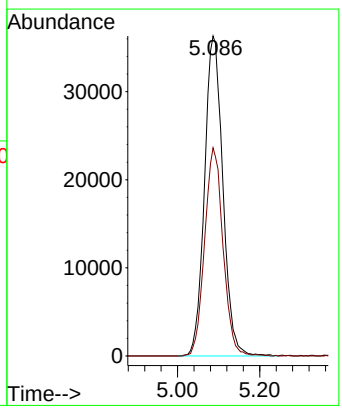


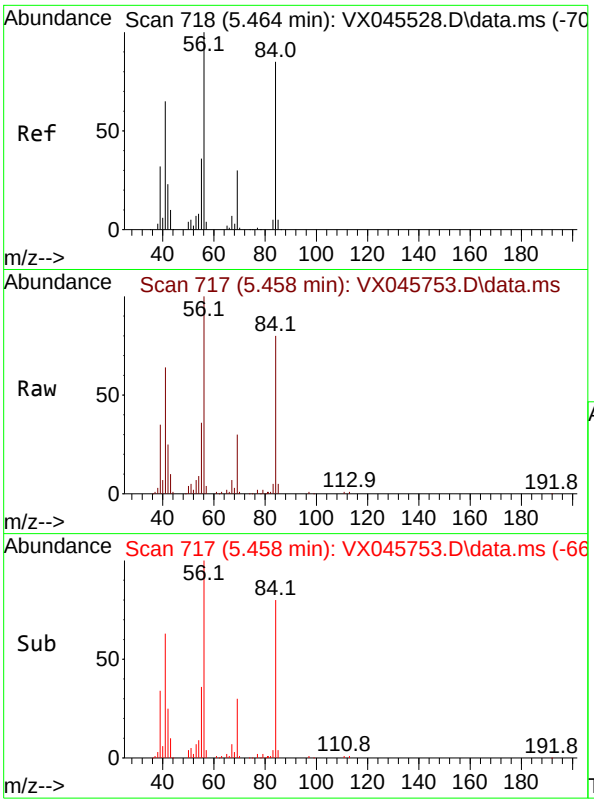


#30
Chloroform
Concen: 50.559 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 83 Resp: 112483

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

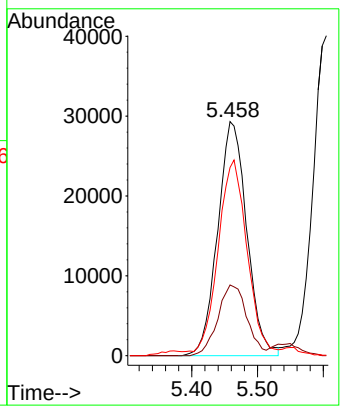




#31
Cyclohexane
Concen: 47.195 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 56 Resp: 9021

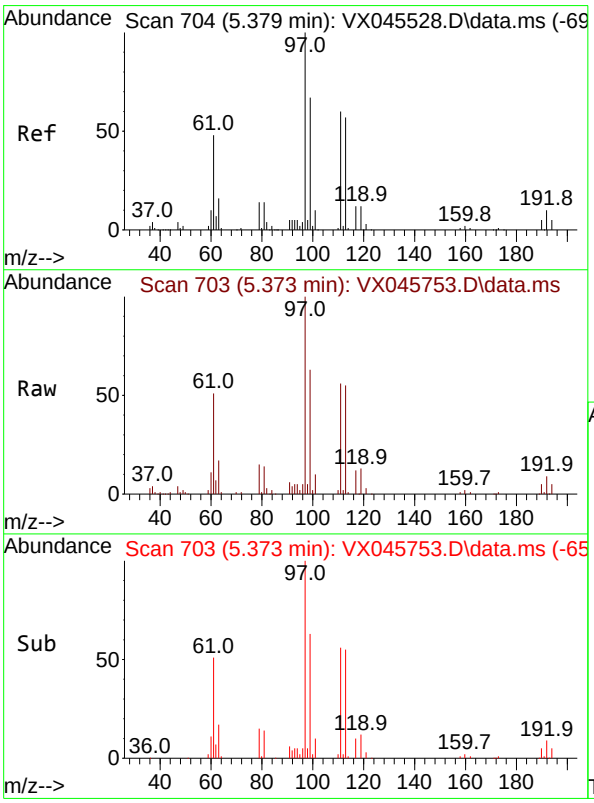
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.6	35.4
84	78.5	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

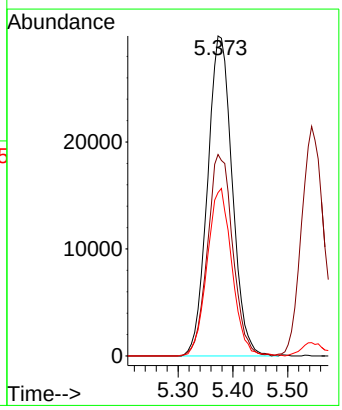
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

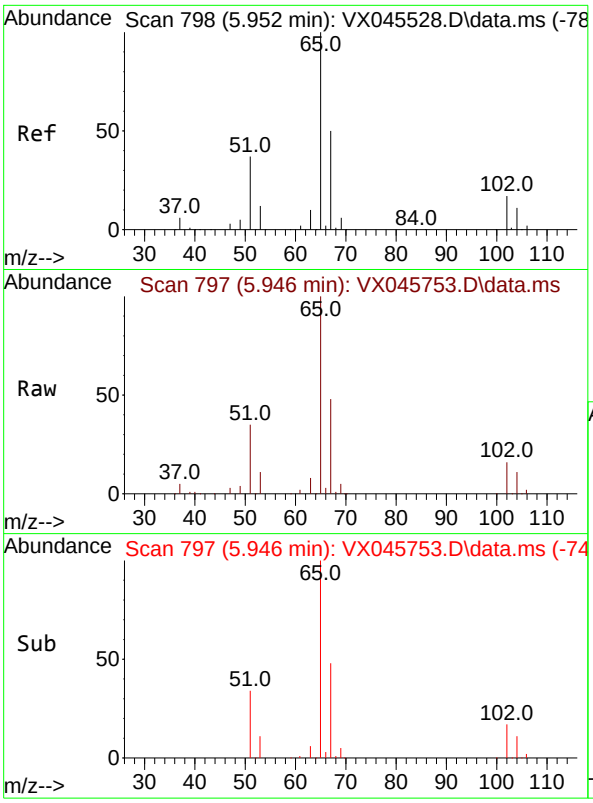


#32
1,1,1-Trichloroethane
Concen: 49.717 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 97 Resp: 93595

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	52.7	41.0	61.4

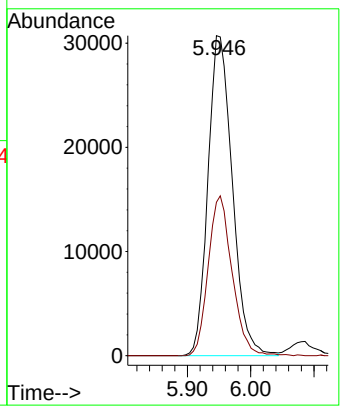




#33
1,2-Dichloroethane-d4
Concen: 52.816 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 65 Resp: 8229

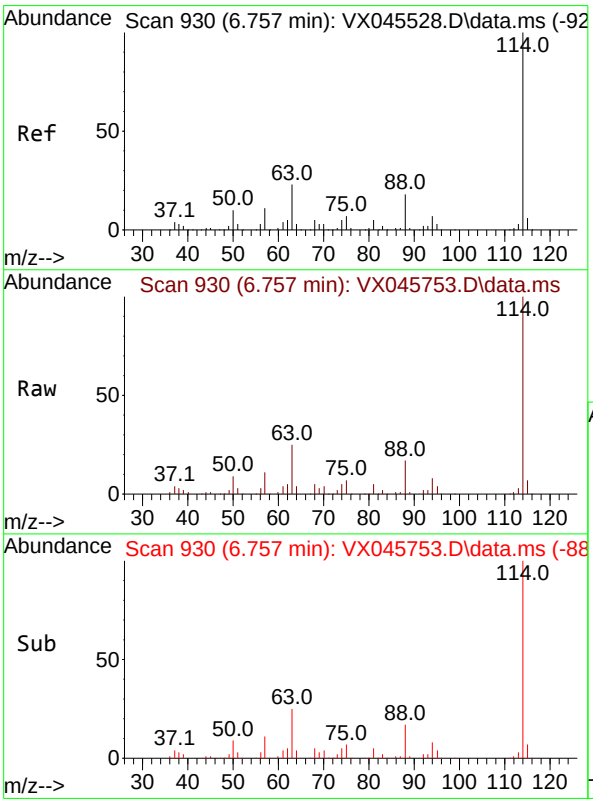
Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

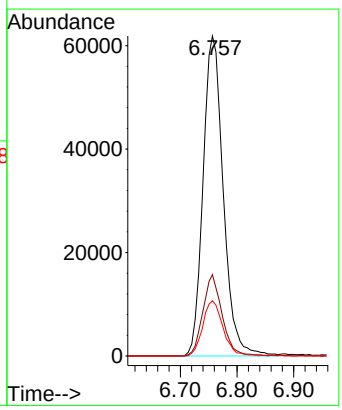
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

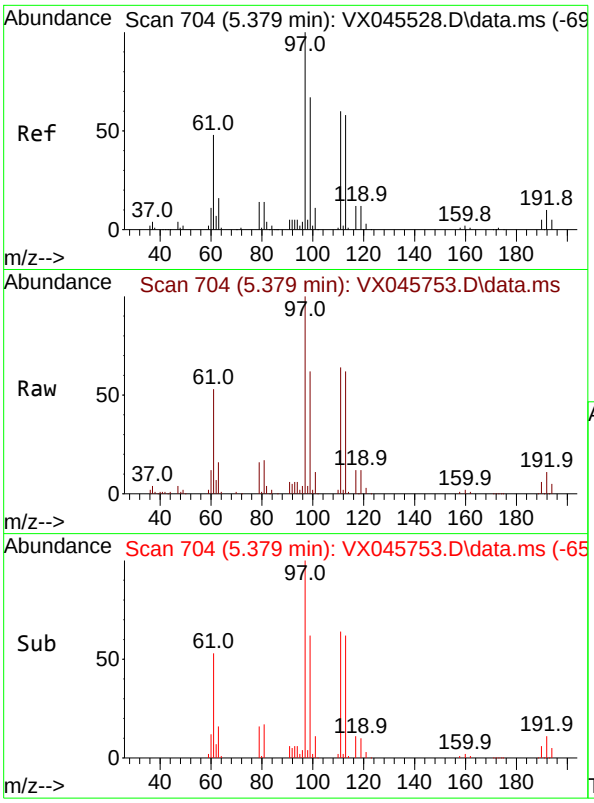


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:114 Resp: 153186

Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	46.8
88	17.3	0.0	35.4

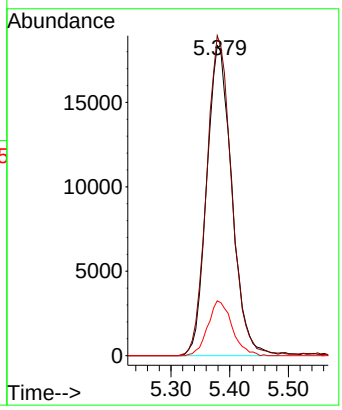




#35
Dibromofluoromethane
Concen: 50.205 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:113 Resp: 5456

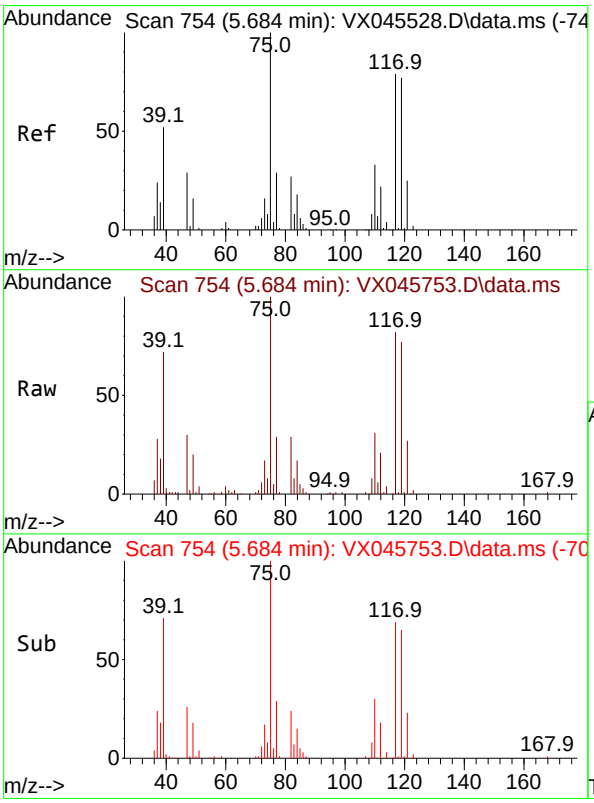
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.1	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

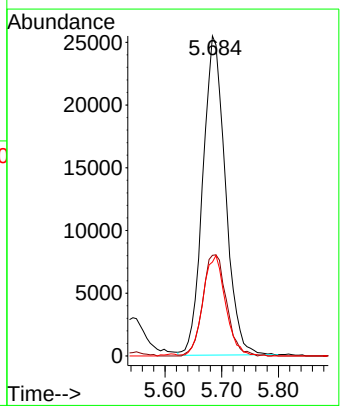
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

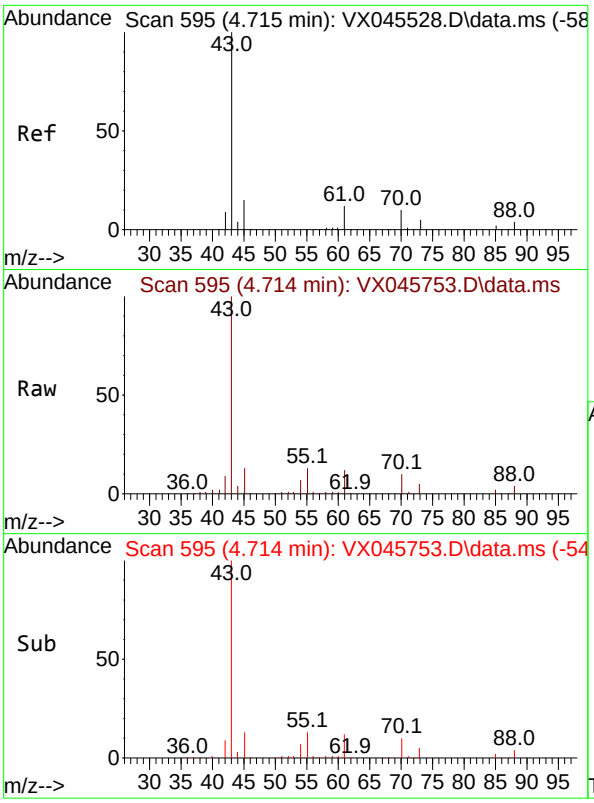


#36
1,1-Dichloropropene
Concen: 47.875 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 70256

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	31.6	25.0	37.4

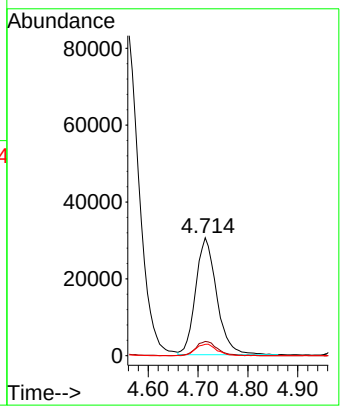




#37
Ethyl Acetate
Concen: 48.411 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 8952

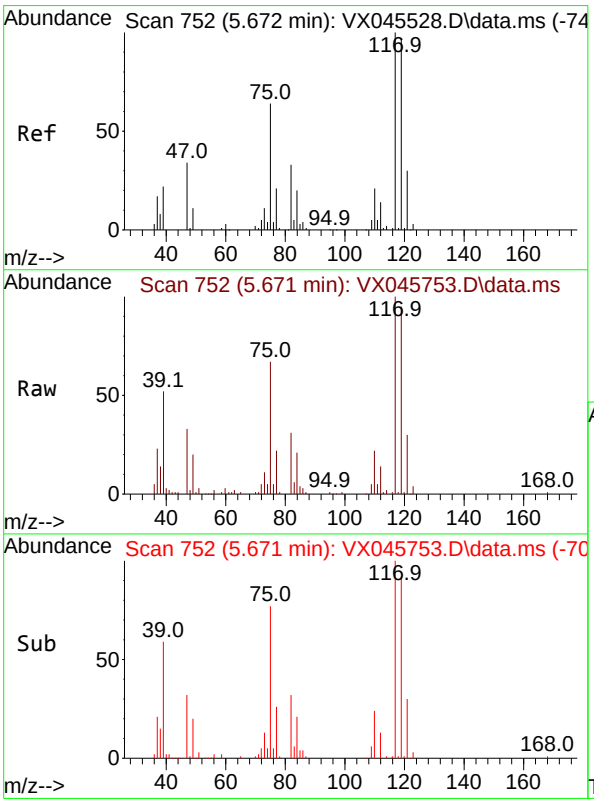
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.8	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

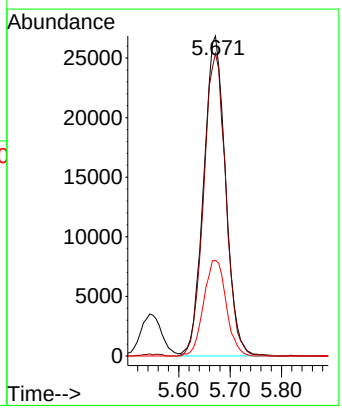
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

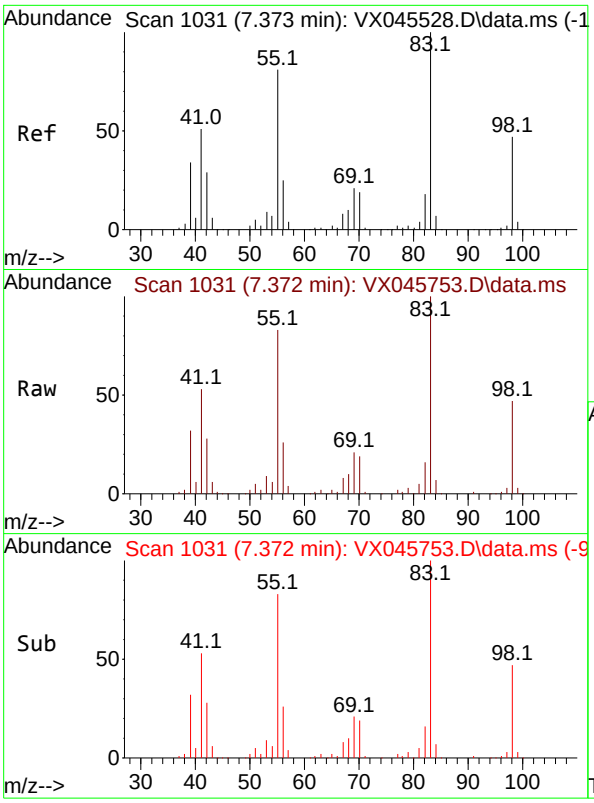


#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:117 Resp: 79481

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	29.9	24.2	36.2





#39
Methylcyclohexane
Concen: 47.841 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

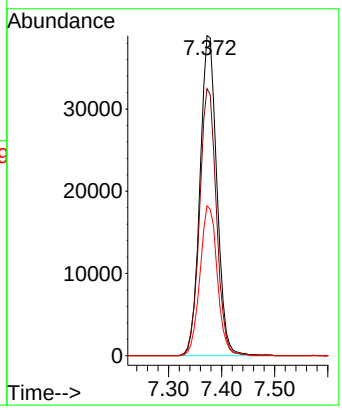
Tgt Ion: 83 Resp: 8605

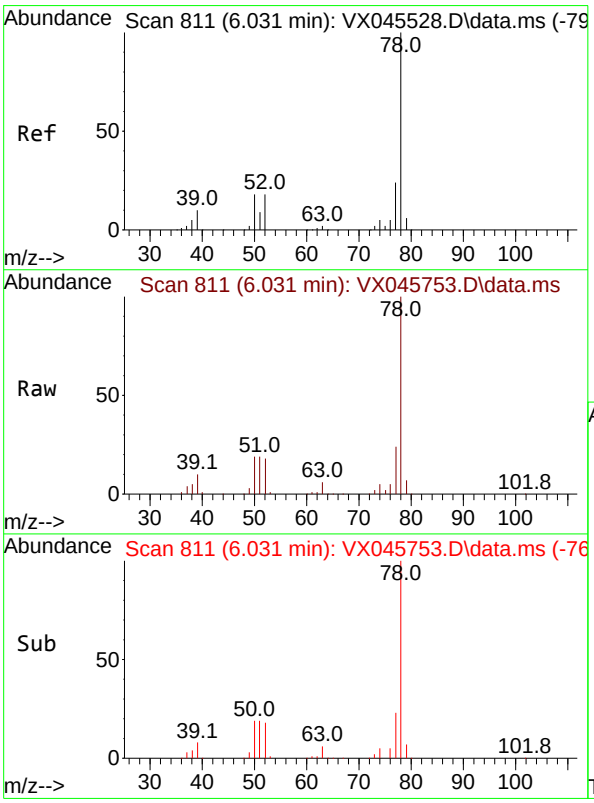
Ion	Ratio	Lower	Upper
83	100		
55	83.4	64.9	97.3
98	46.8	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

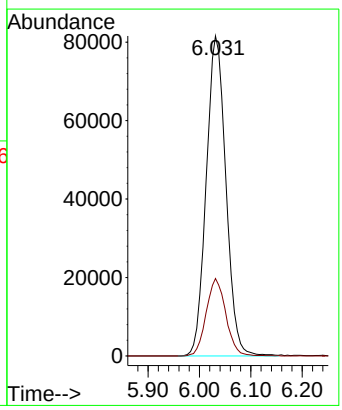


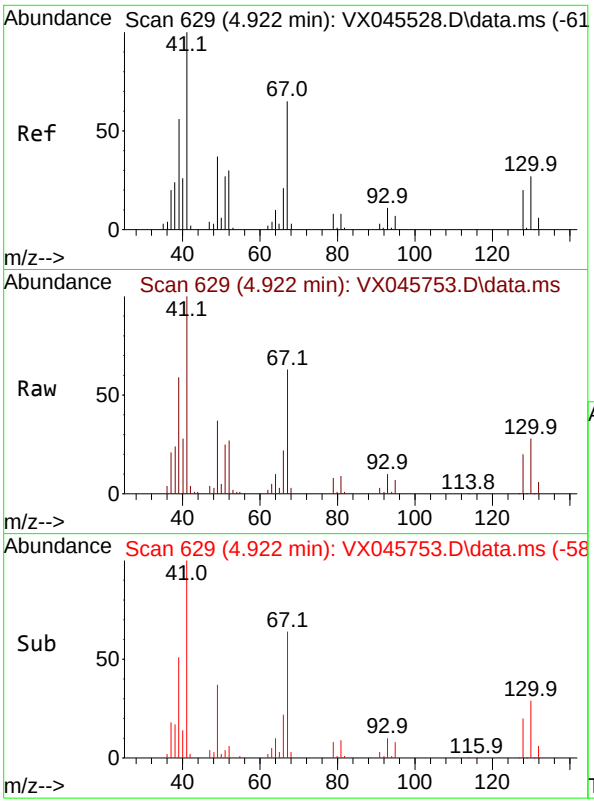


#40
Benzene
Concen: 48.421 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 78 Resp: 217012

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6

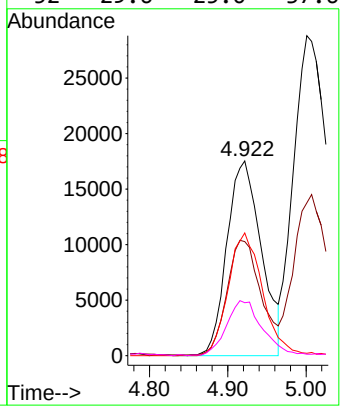




#41
Methacrylonitrile
Concen: 54.955 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 41 Resp: 5362

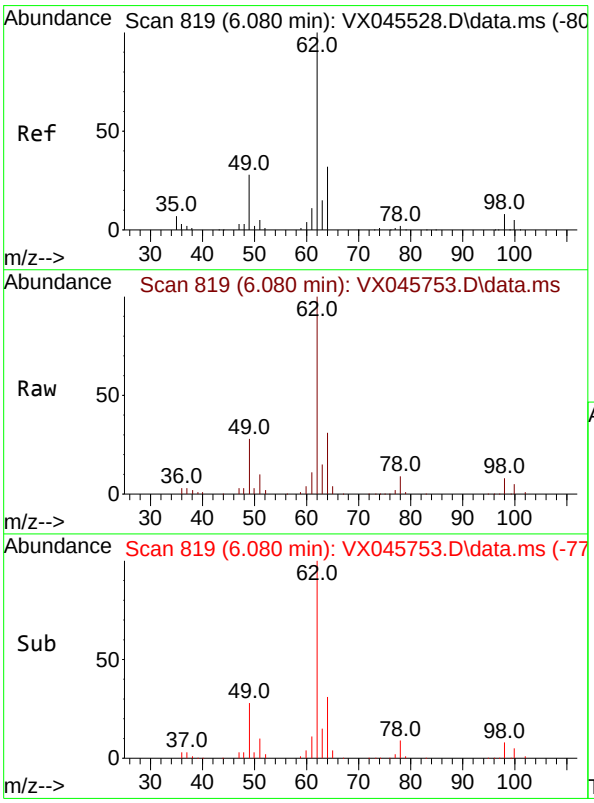
Ion	Ratio	Lower	Upper
41	100		
39	58.4	47.0	70.6
67	63.4	53.2	79.8
52	29.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

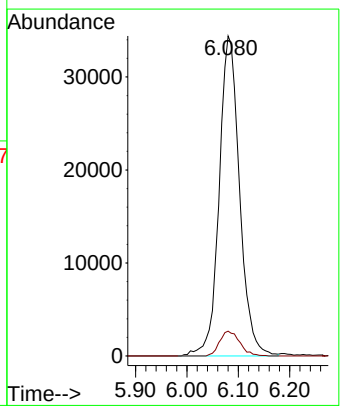
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

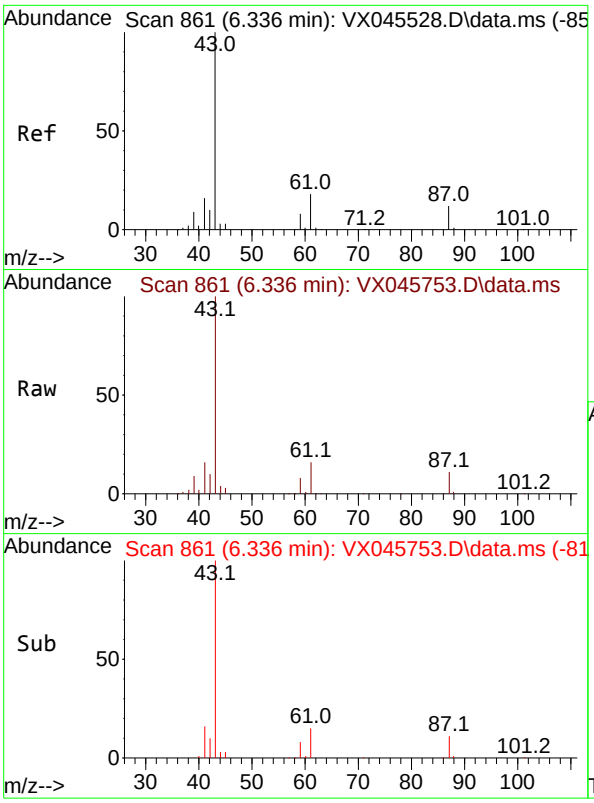


#42
1,2-Dichloroethane
Concen: 51.365 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 62 Resp: 95082

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 50.660 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

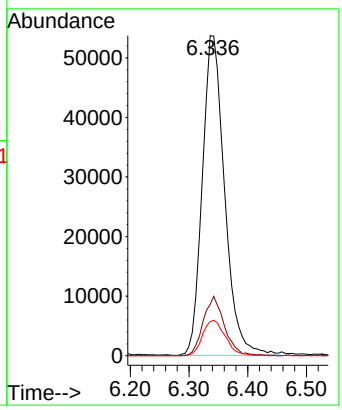
Tgt Ion: 43 Resp: 14199

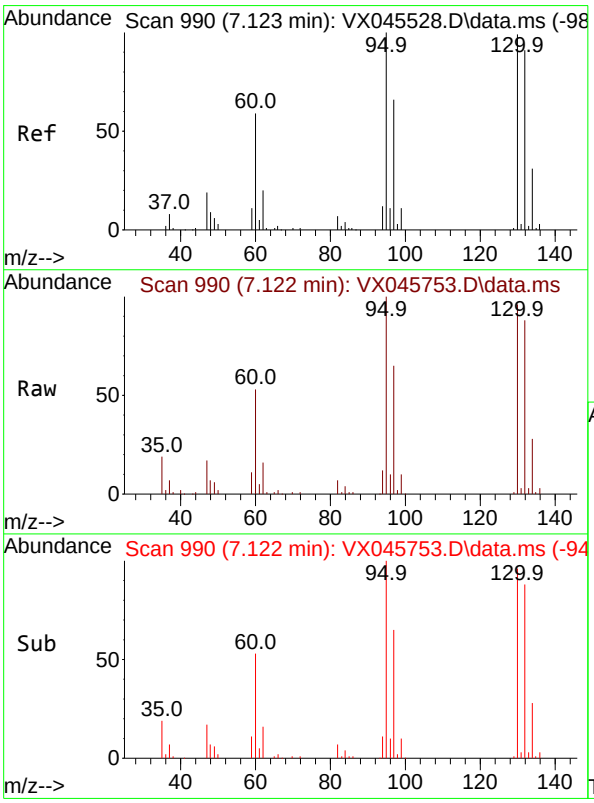
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.2	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

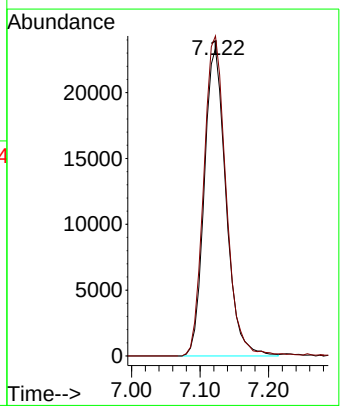


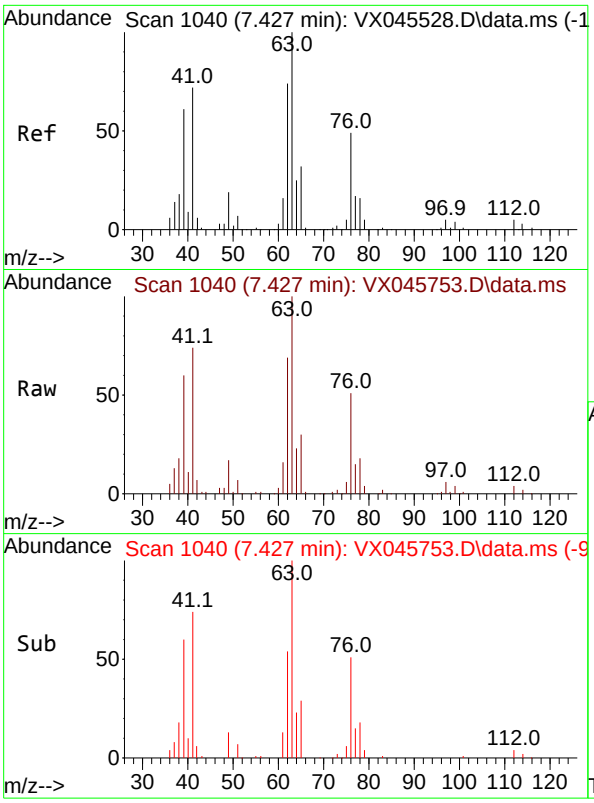


#44
Trichloroethene
Concen: 48.452 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:130 Resp: 51614

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	202.0

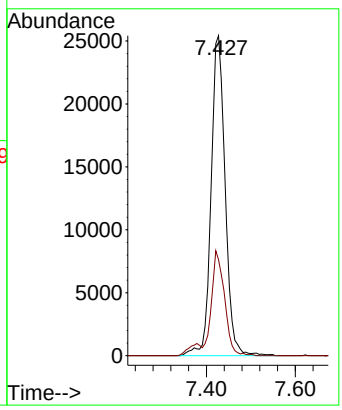




#45
1,2-Dichloropropane
Concen: 49.984 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 63 Resp: 5589

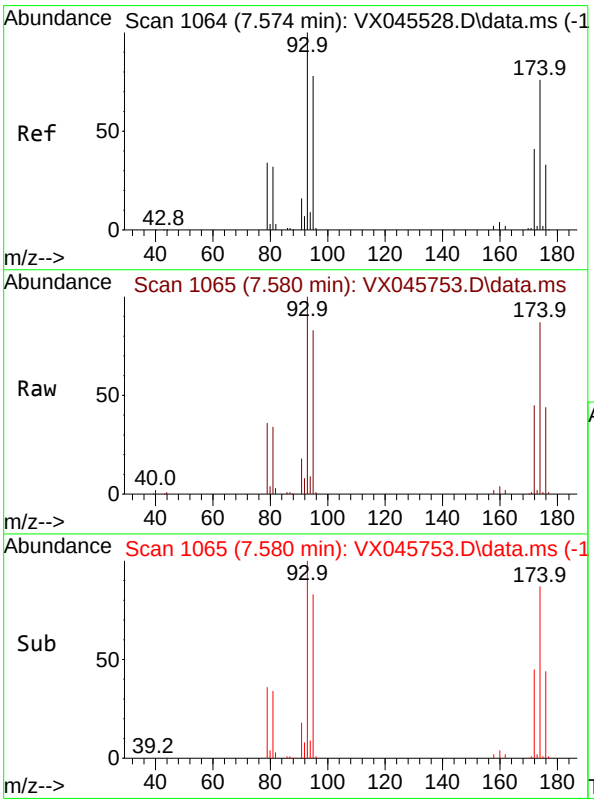
Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

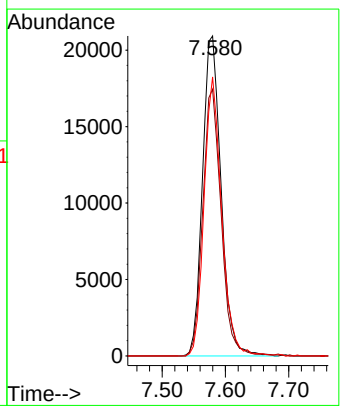
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

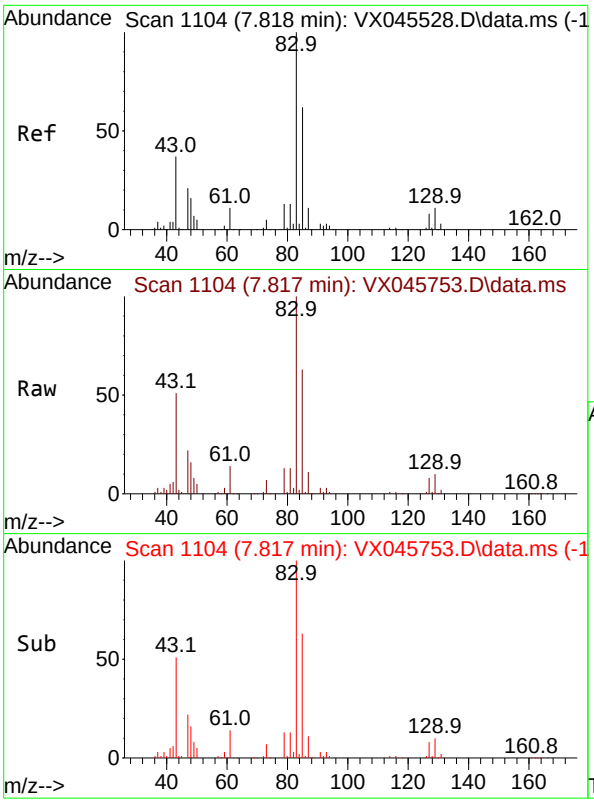


#46
Dibromomethane
Concen: 49.878 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 93 Resp: 42816

Ion	Ratio	Lower	Upper
93	100		
95	82.3	64.8	97.2
174	82.6	65.4	98.0

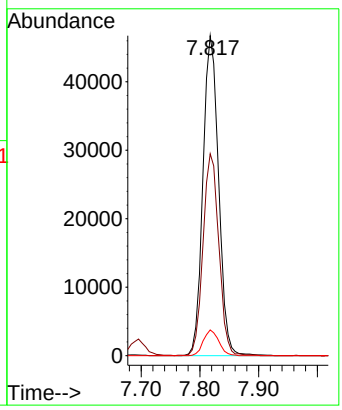




#47
Bromodichloromethane
Concen: 50.556 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 83 Resp: 8666

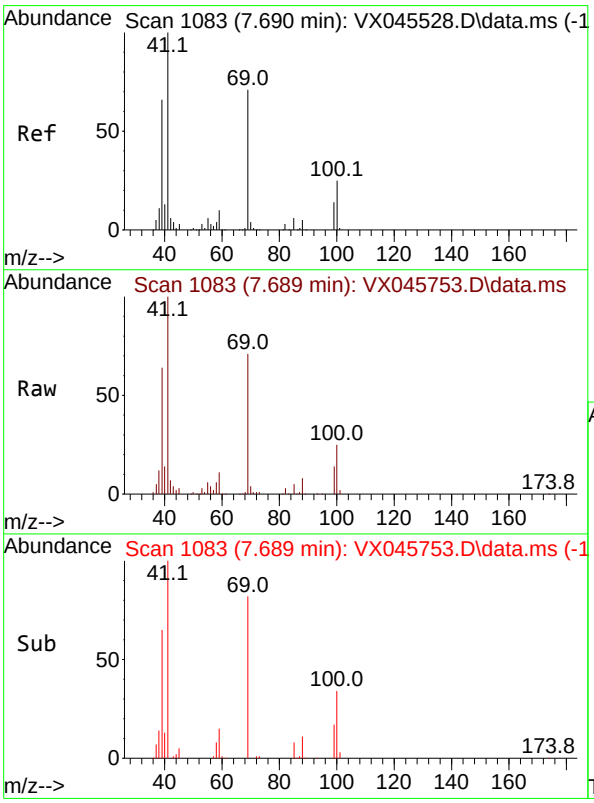
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

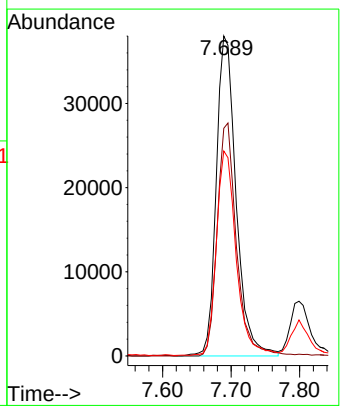
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

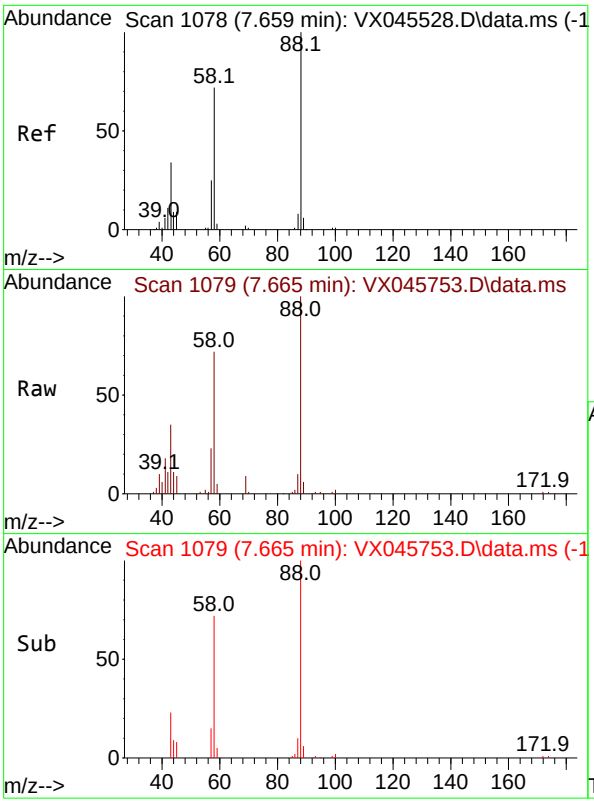


#48
Methyl methacrylate
Concen: 52.724 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 41 Resp: 76302

Ion	Ratio	Lower	Upper
41	100		
69	70.7	58.2	87.2
39	63.9	53.6	80.4

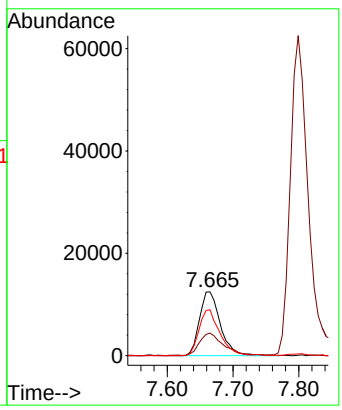




#49
1,4-Dioxane
Concen: 1045.779 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 88 Resp: 2738

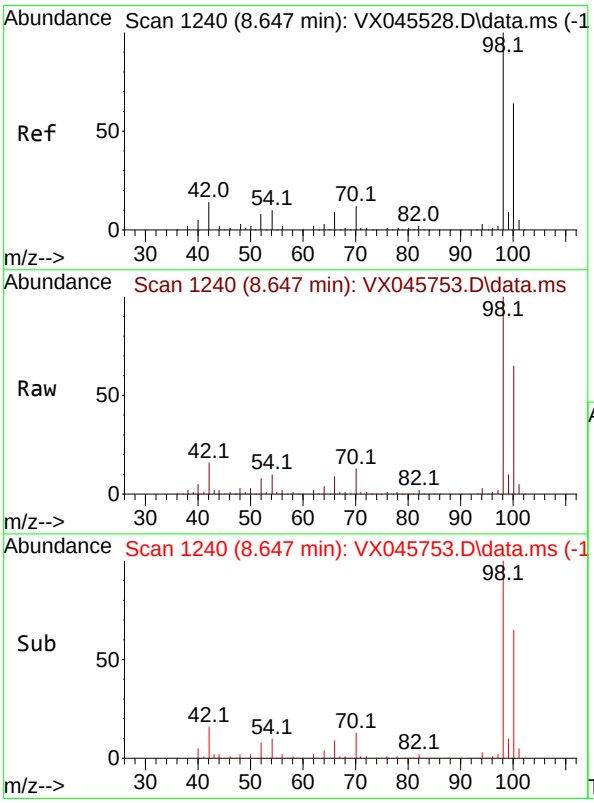
Ion	Ratio	Lower	Upper
88	100		
43	40.0	32.2	48.4
58	71.4	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

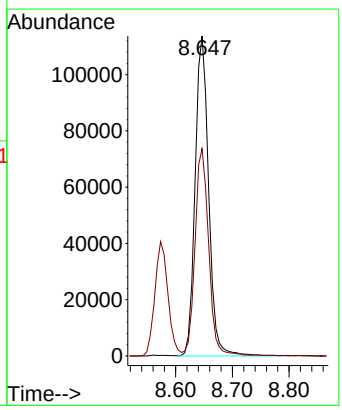
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

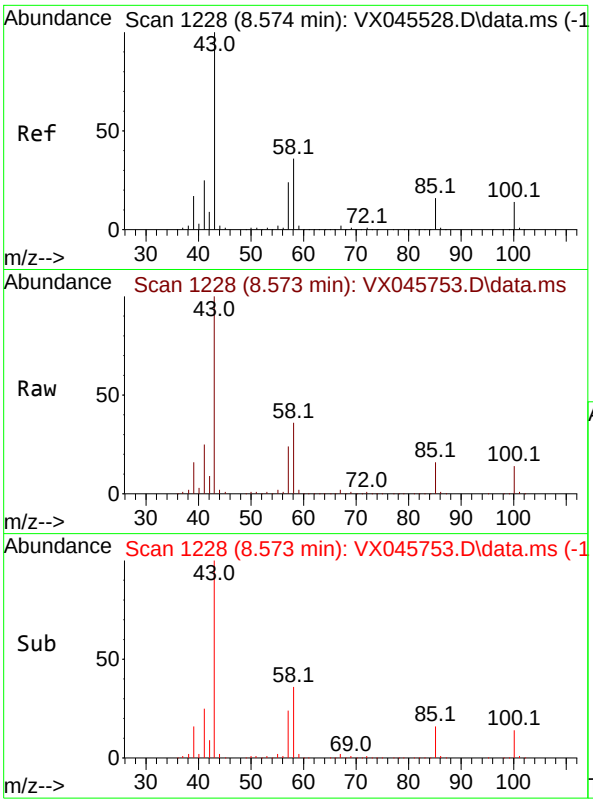


#50
Toluene-d8
Concen: 49.606 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 98 Resp: 188183

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

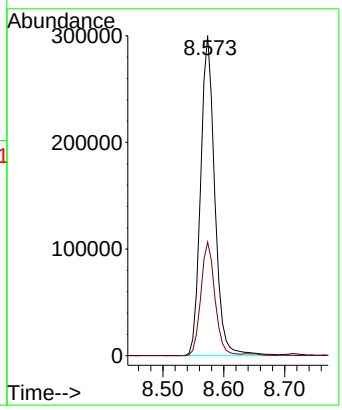




#51
4-Methyl-2-Pentanone
Concen: 261.644 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 48615

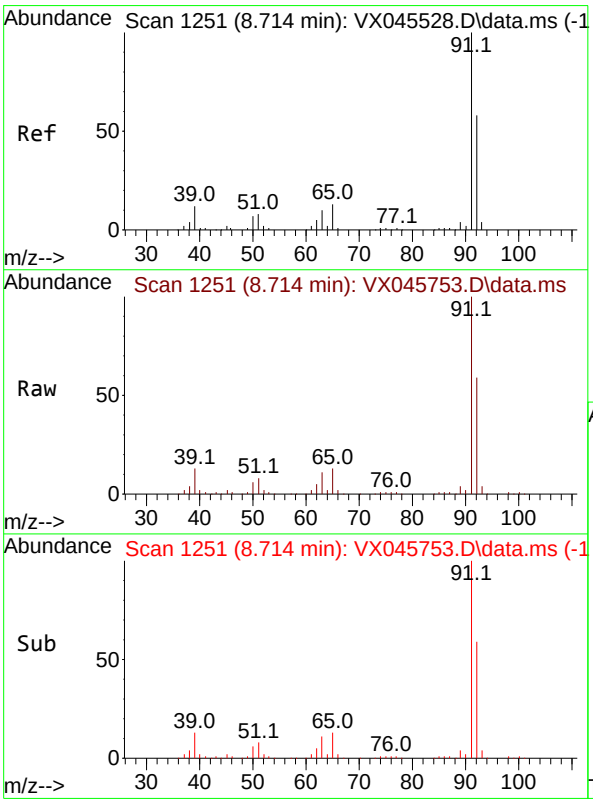
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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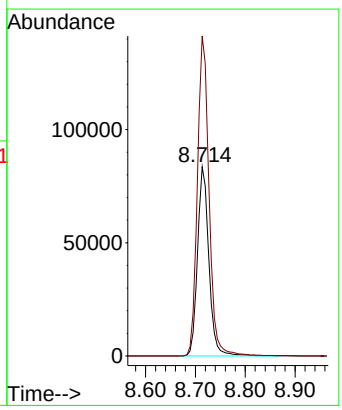
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

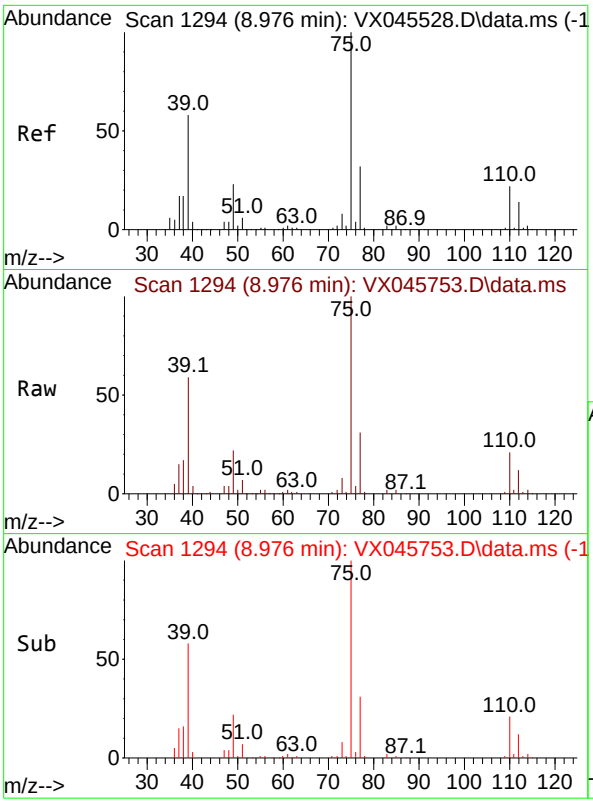


#52
Toluene
Concen: 48.785 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 92 Resp: 132303

Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.7	208.1

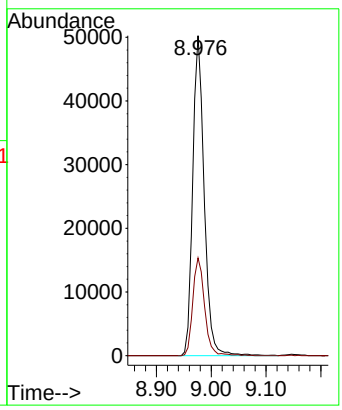




#53
t-1,3-Dichloropropene
Concen: 44.751 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 7335

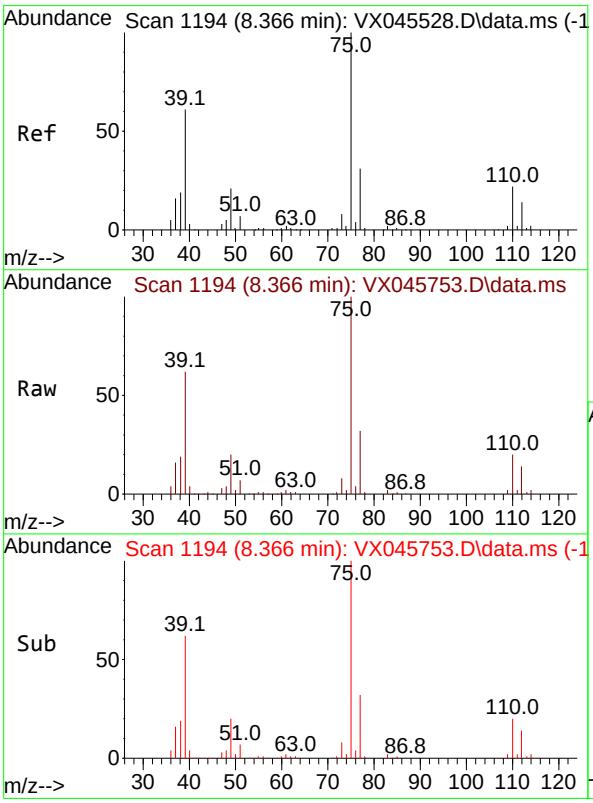
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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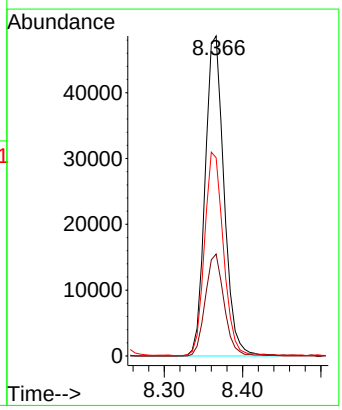
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

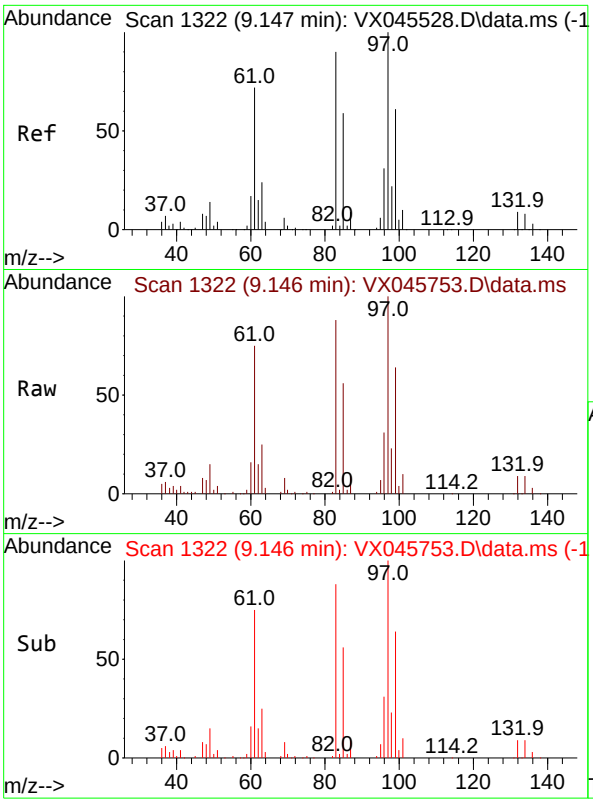


#54
cis-1,3-Dichloropropene
Concen: 50.435 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 81250

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	61.8	48.4	72.6

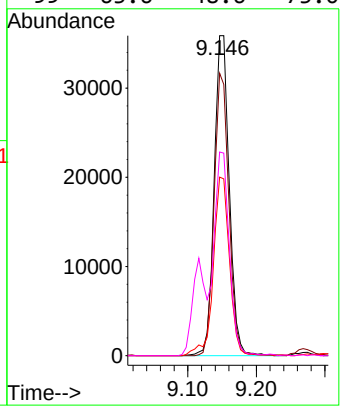




#55
1,1,2-Trichloroethane
Concen: 50.713 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 97 Resp: 5480

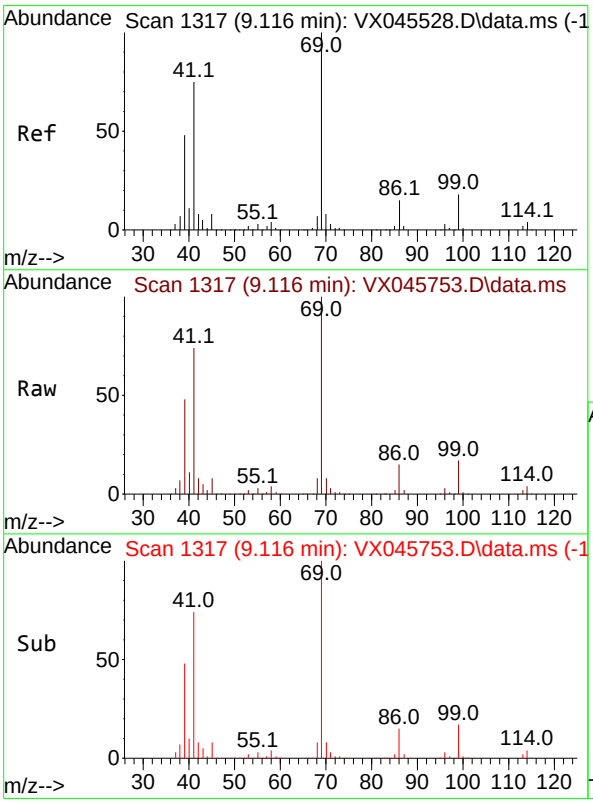
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.8	47.0	70.6
99	63.6	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

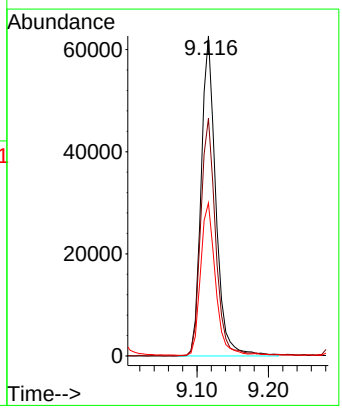
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

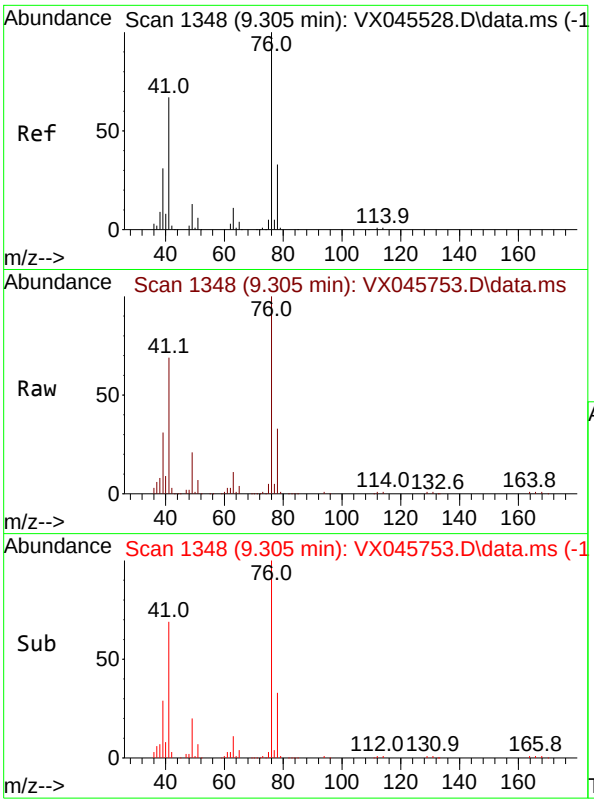


#56
Ethyl methacrylate
Concen: 53.387 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 69 Resp: 89288

Ion	Ratio	Lower	Upper
69	100		
41	76.8	61.3	91.9
39	48.6	40.2	60.2

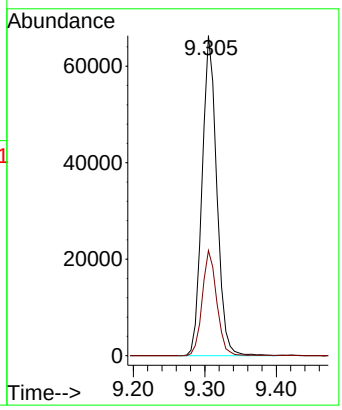




#57
1,3-Dichloropropane
Concen: 50.395 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 76 Resp: 9483

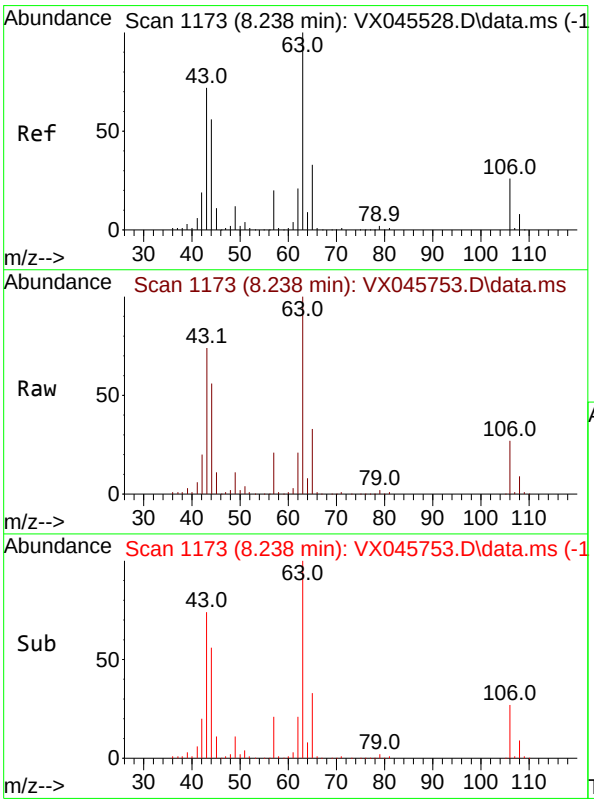
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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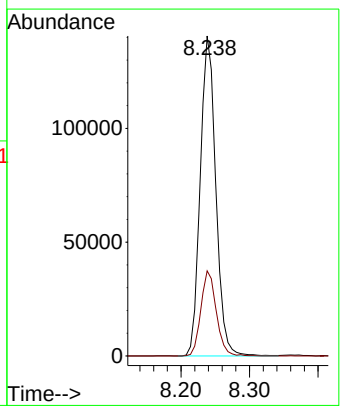
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

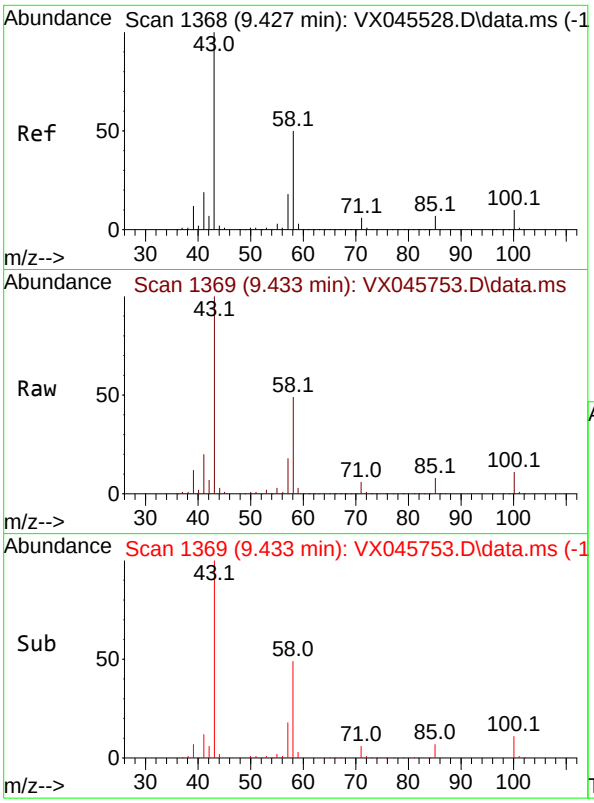


#58
2-Chloroethyl Vinyl ether
Concen: 263.298 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 63 Resp: 222765

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6





#59
2-Hexanone
Concen: 259.467 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

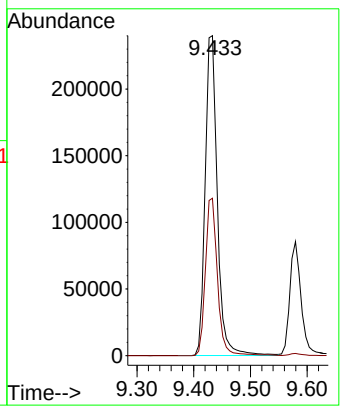
Tgt Ion: 43 Resp: 35701

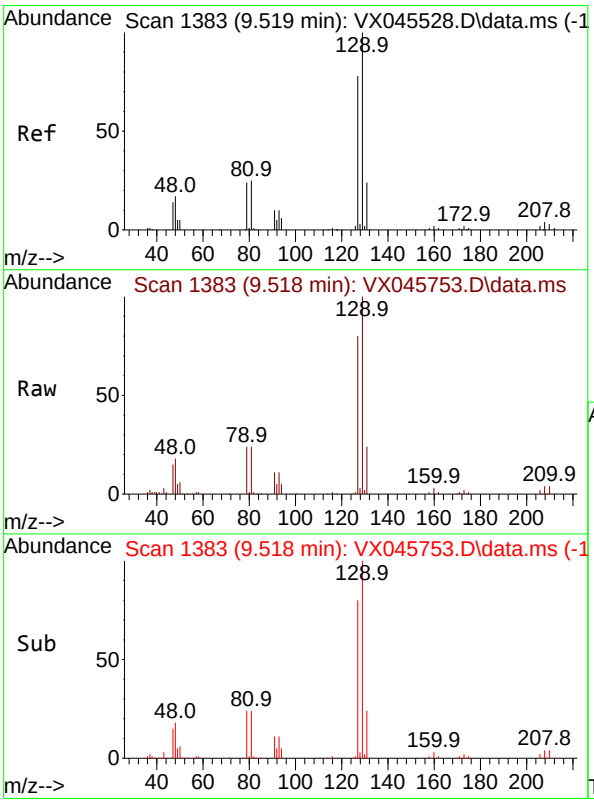
Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

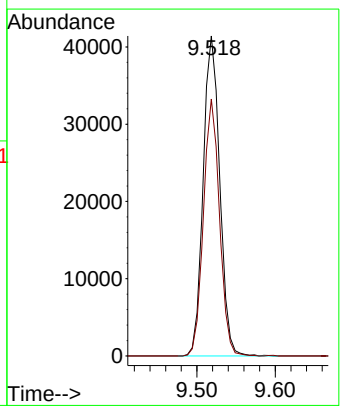


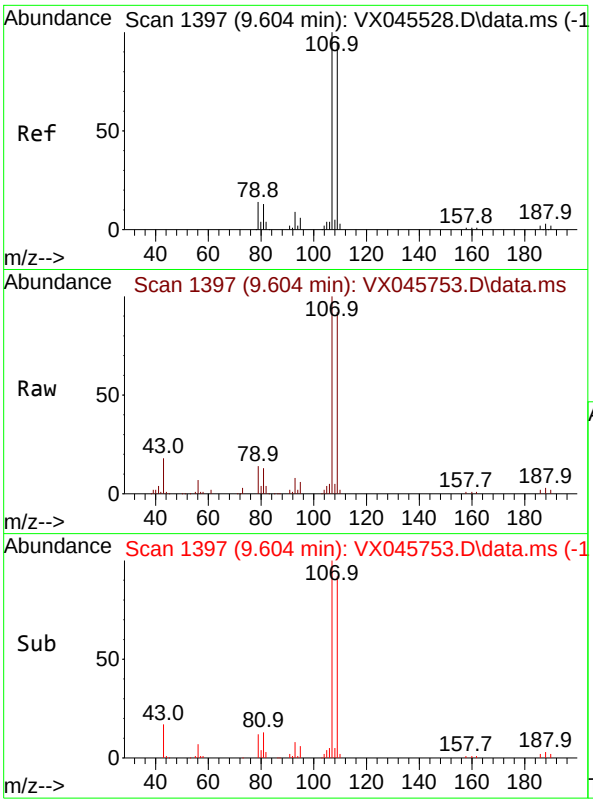


#60
Dibromochloromethane
Concen: 51.502 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:129 Resp: 60677

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.4	118.2

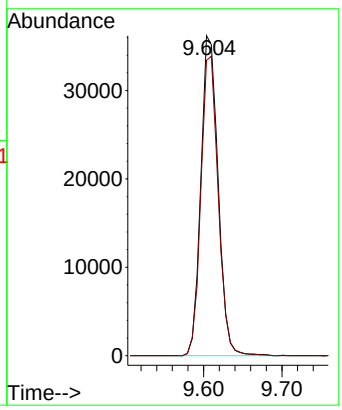




#61
1,2-Dibromoethane
Concen: 50.426 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:107 Resp: 5516

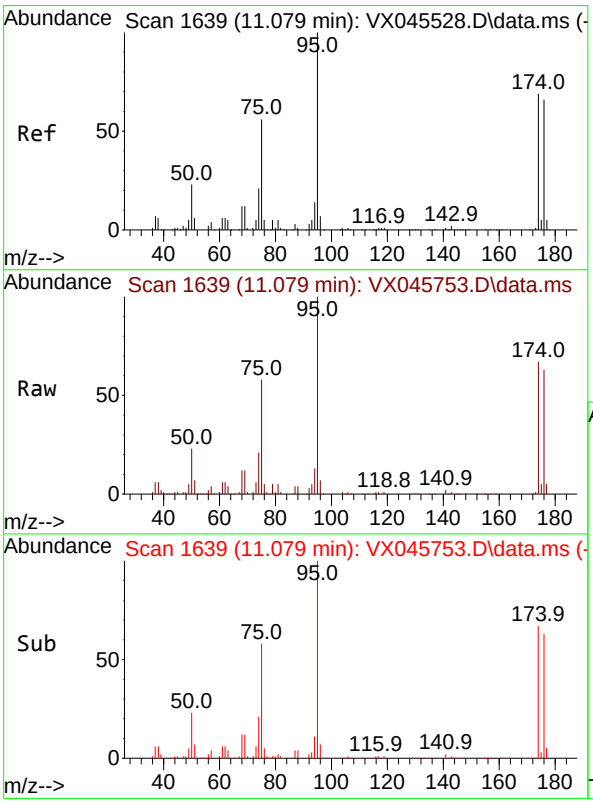
Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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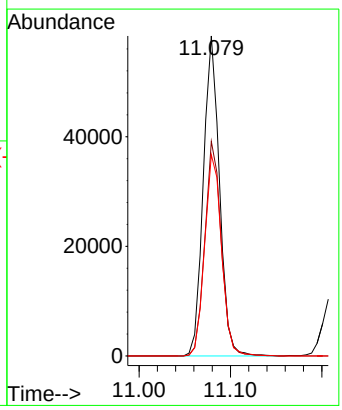
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

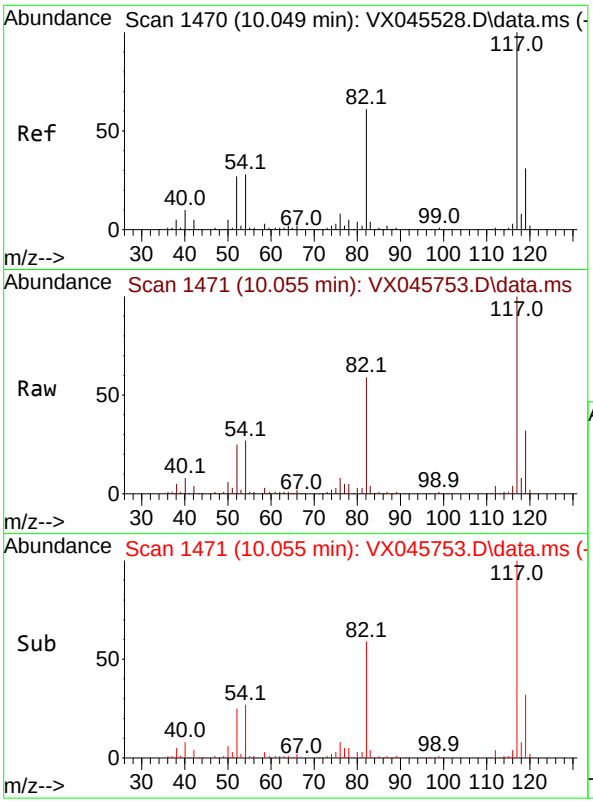


#62
4-Bromofluorobenzene
Concen: 51.728 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 95 Resp: 71478

Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	135.8
176	65.8	0.0	131.4

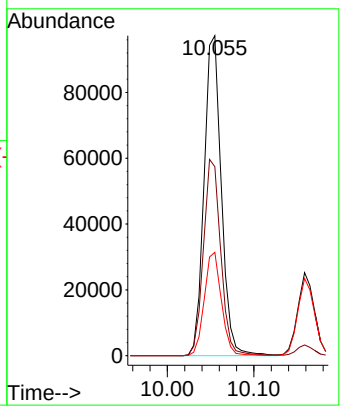




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:117 Resp: 134799

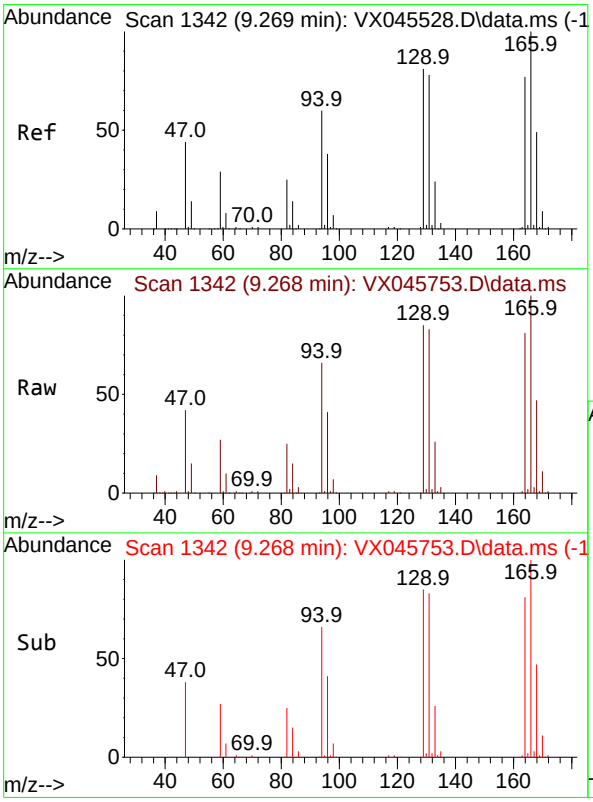
Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.2	73.8
119	32.3	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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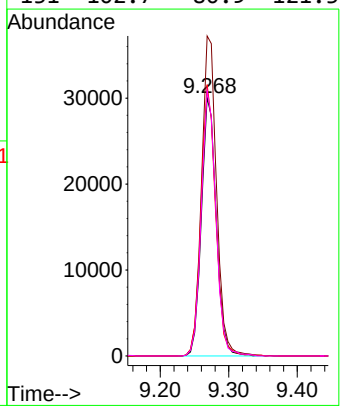
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

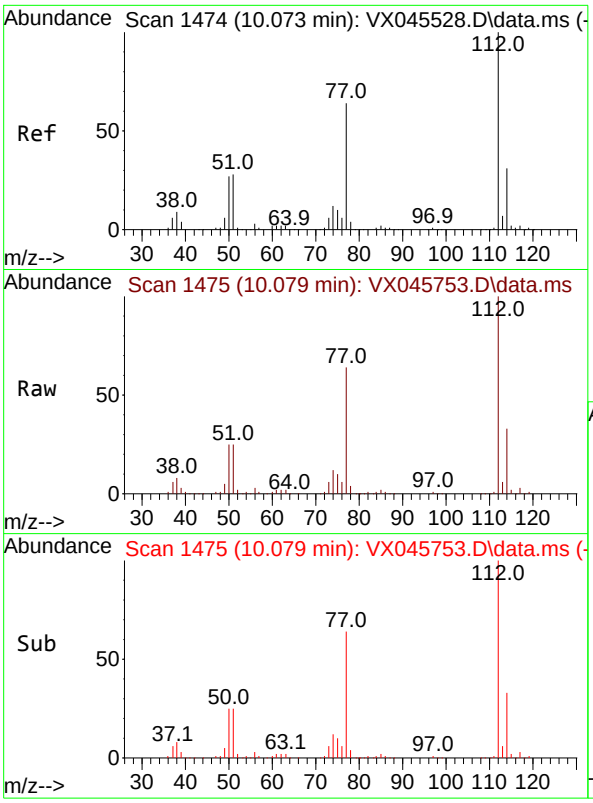


#64
Tetrachloroethene
Concen: 47.399 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.001 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:164 Resp: 45111

Ion	Ratio	Lower	Upper
164	100		
166	123.9	103.8	155.8
129	105.1	84.3	126.5
131	102.7	80.9	121.3

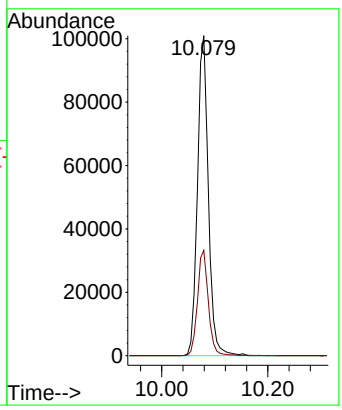




#65
Chlorobenzene
Concen: 49.983 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:112 Resp: 14397

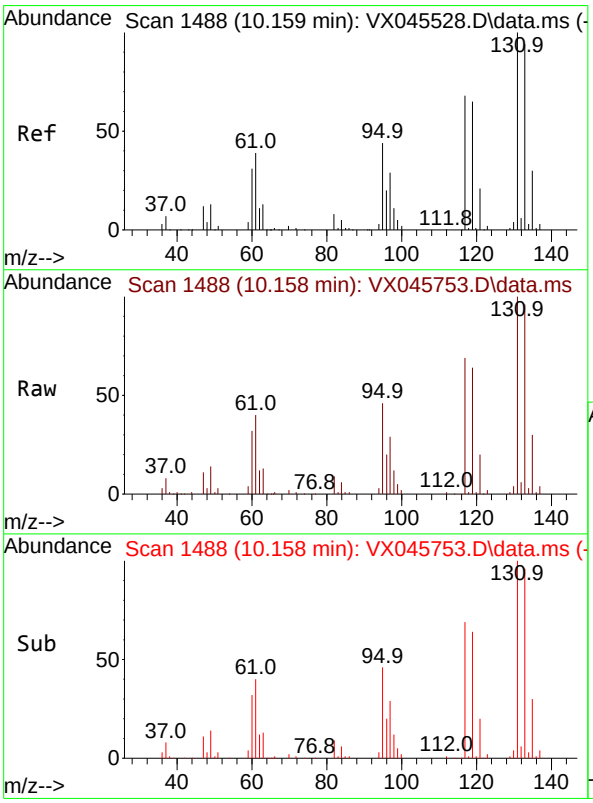
Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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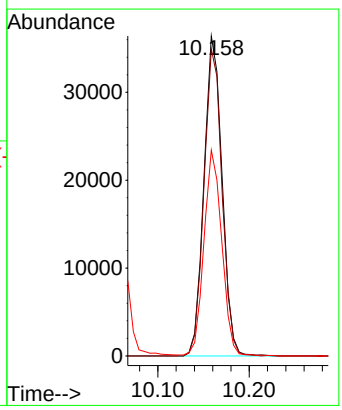
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

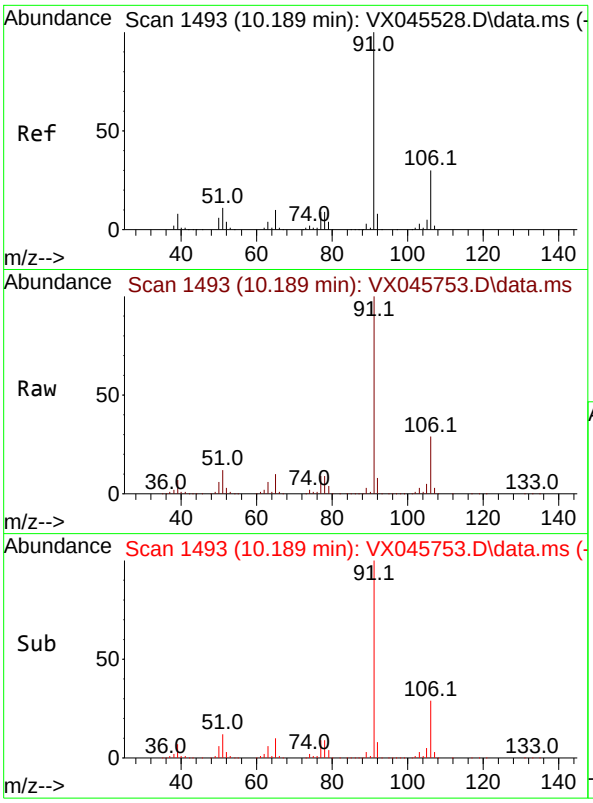


#66
1,1,1,2-Tetrachloroethane
Concen: 49.902 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:131 Resp: 49904

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.5
119	63.6	32.9	98.6





#67
Ethyl Benzene
Concen: 50.395 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

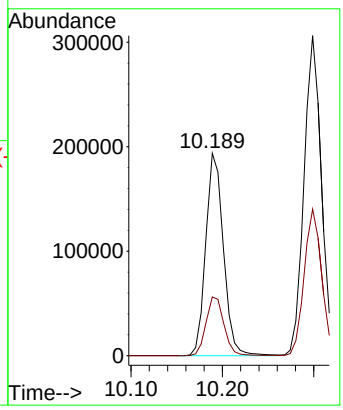
Tgt Ion: 91 Resp: 25998

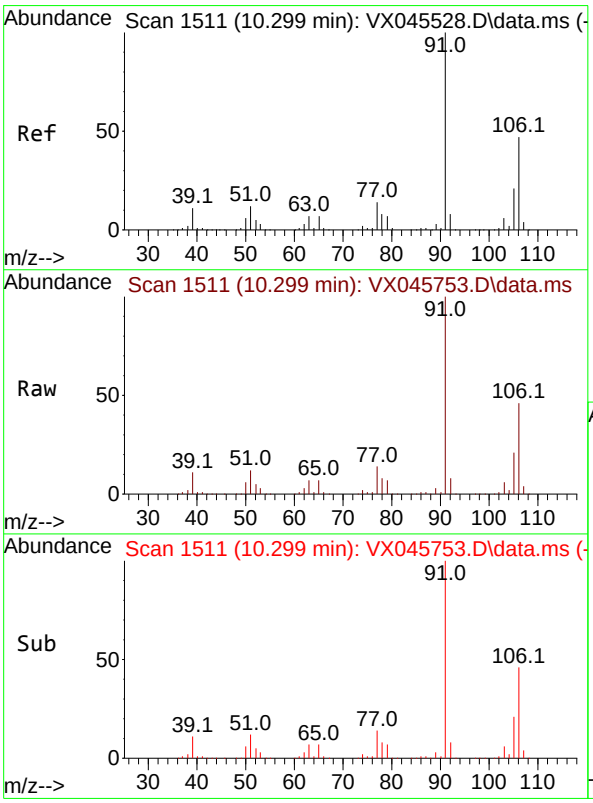
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

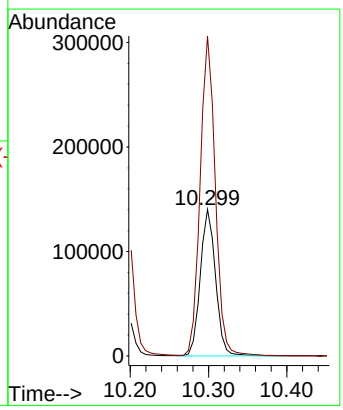


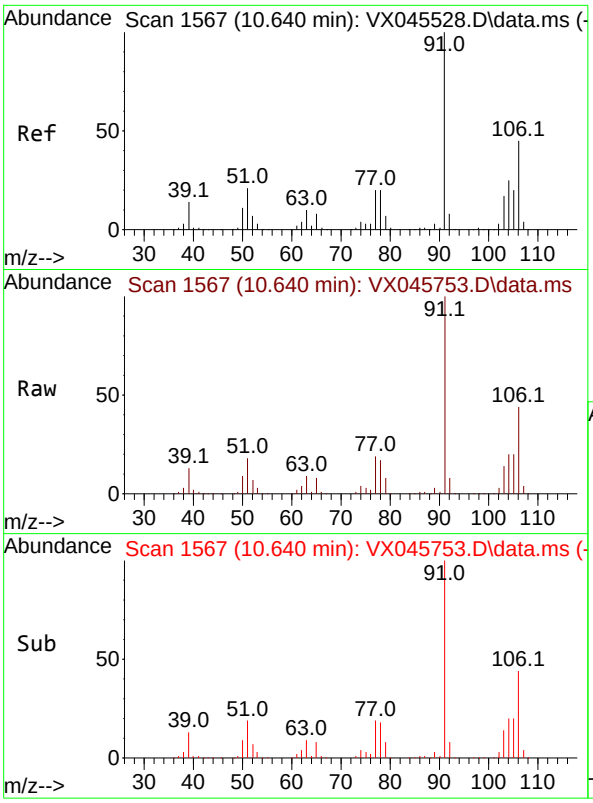


#68
m/p-Xylenes
Concen: 101.039 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:106 Resp: 189582

Ion	Ratio	Lower	Upper
106	100		
91	217.4	172.6	258.8

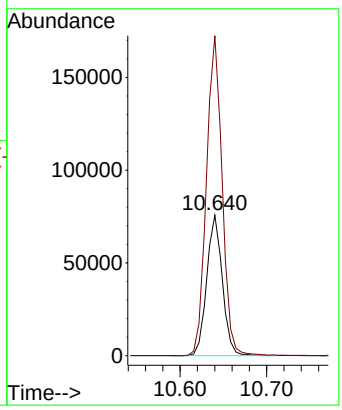




#69
o-Xylene
Concen: 51.294 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:106 Resp: 9481

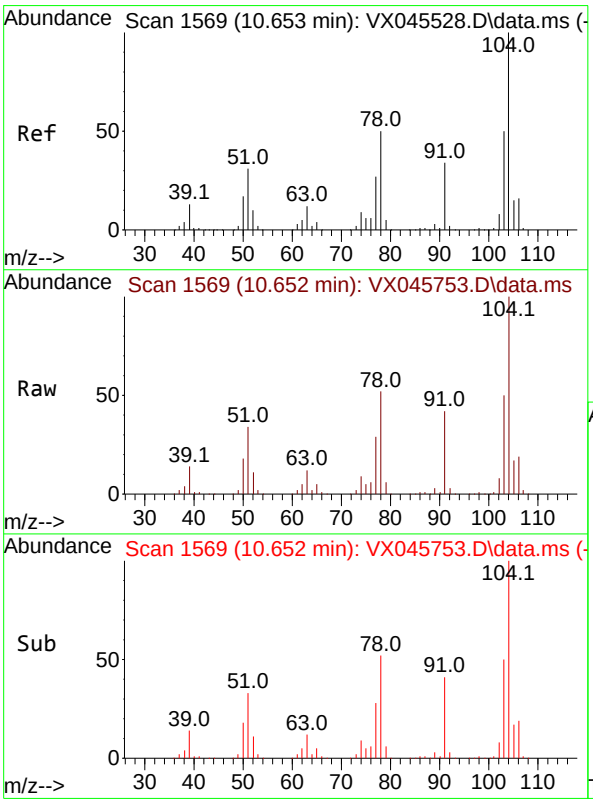
Ion	Ratio	Lower	Upper
106	100		
91	230.2	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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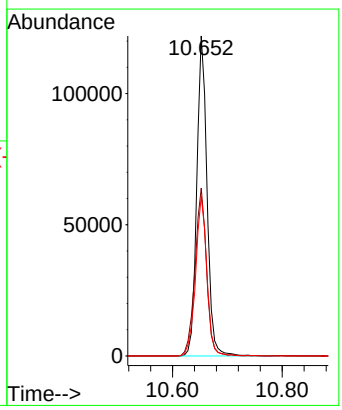
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

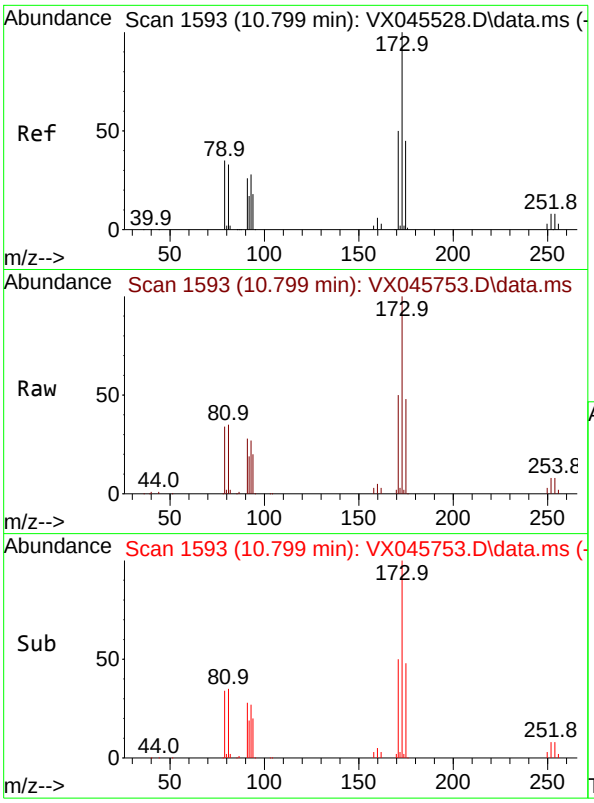


#70
Styrene
Concen: 52.385 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:104 Resp: 159810

Ion	Ratio	Lower	Upper
104	100		
78	58.6	45.4	68.2
103	54.6	43.8	65.8

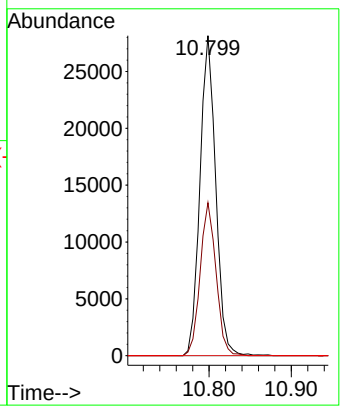




#71
Bromoform
Concen: 50.132 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

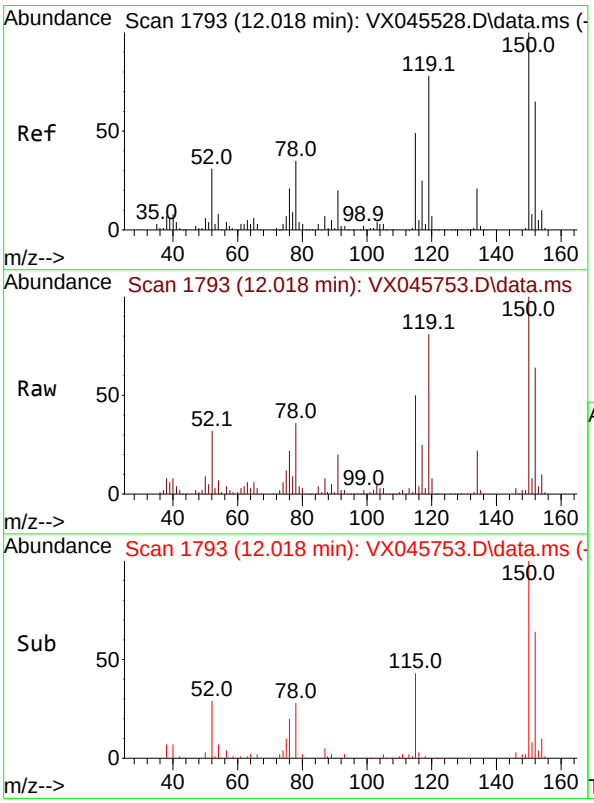
Tgt Ion:173 Resp: 3743

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

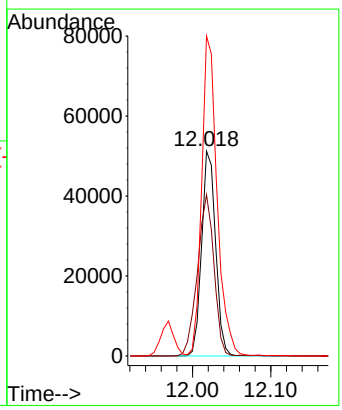
Manual Integrations APPROVED
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

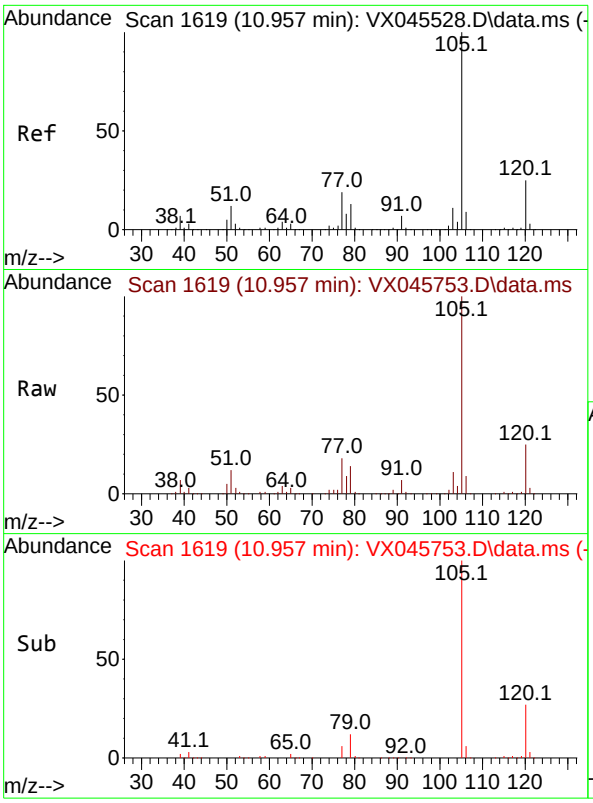


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:152 Resp: 63454

Ion	Ratio	Lower	Upper
152	100		
115	93.4	46.9	140.7
150	172.6	0.0	349.4





#73
Isopropylbenzene
Concen: 49.753 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

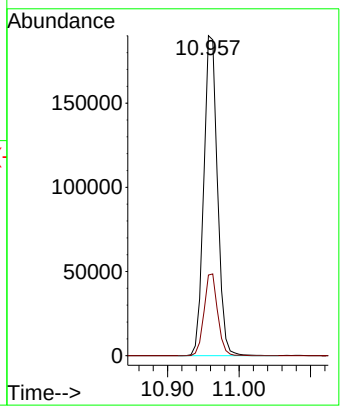
Tgt Ion:105 Resp: 25288

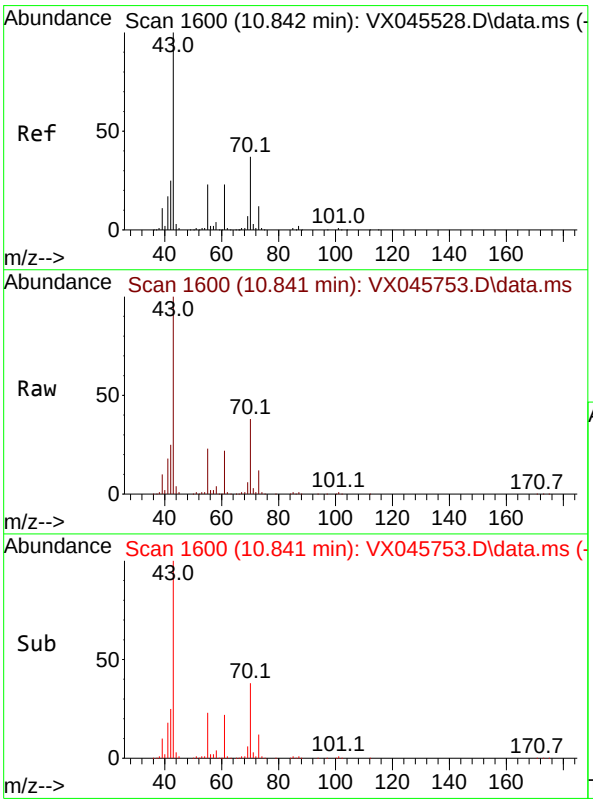
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

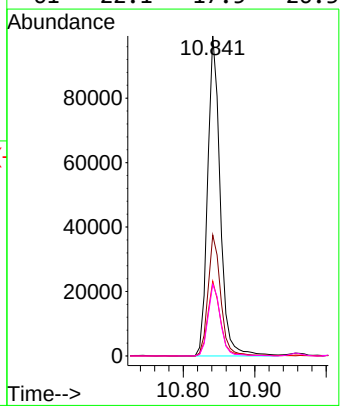


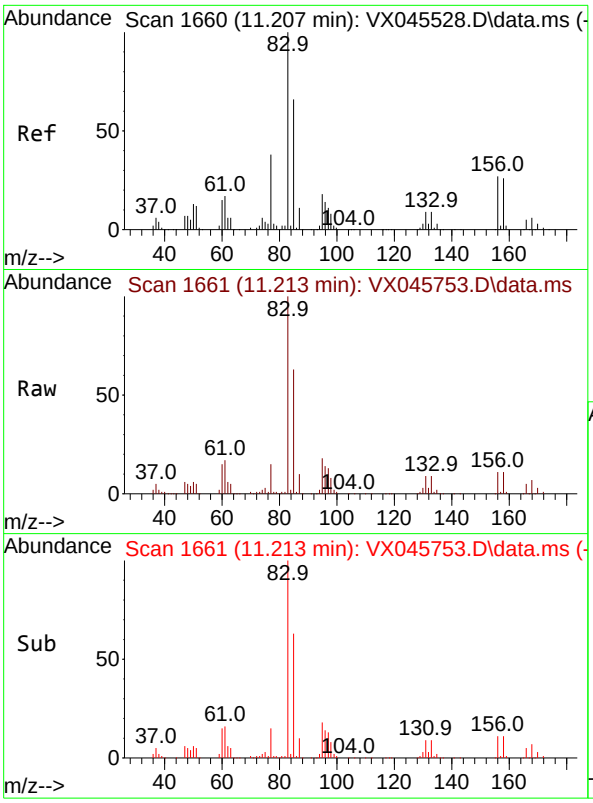


#74
N-amyl acetate
Concen: 49.926 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 121387

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.1	45.1
55	23.5	18.3	27.5
61	22.1	17.5	26.3

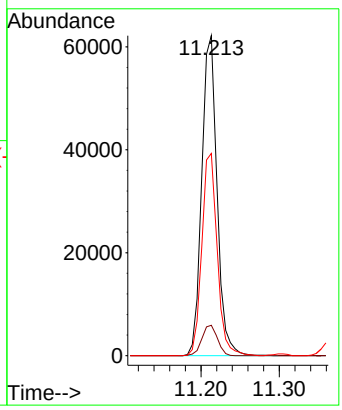




#75
1,1,2,2-Tetrachloroethane
Concen: 47.176 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 83 Resp: 8423

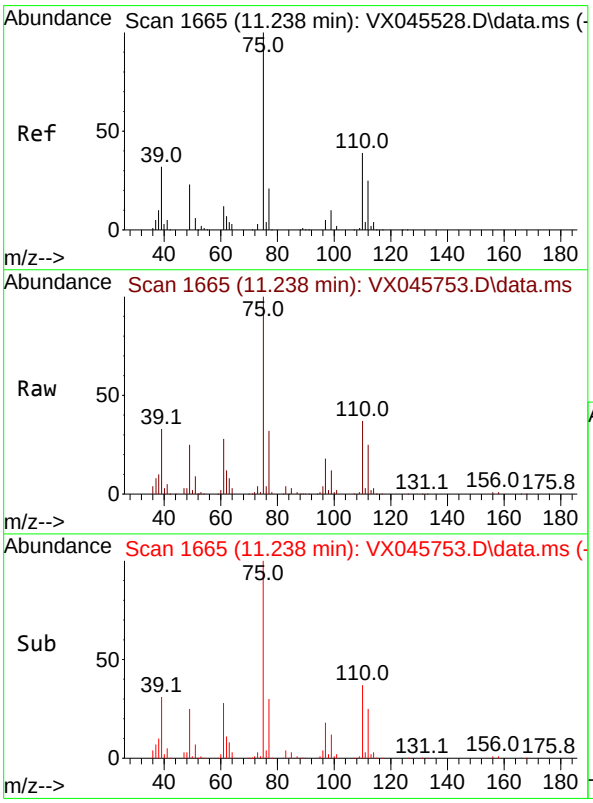
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	63.6	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

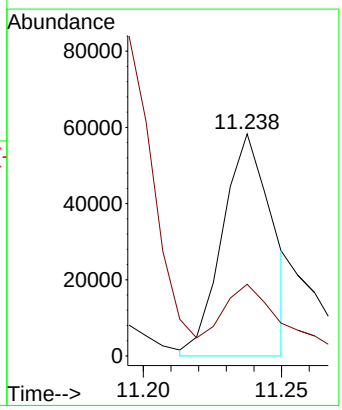
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

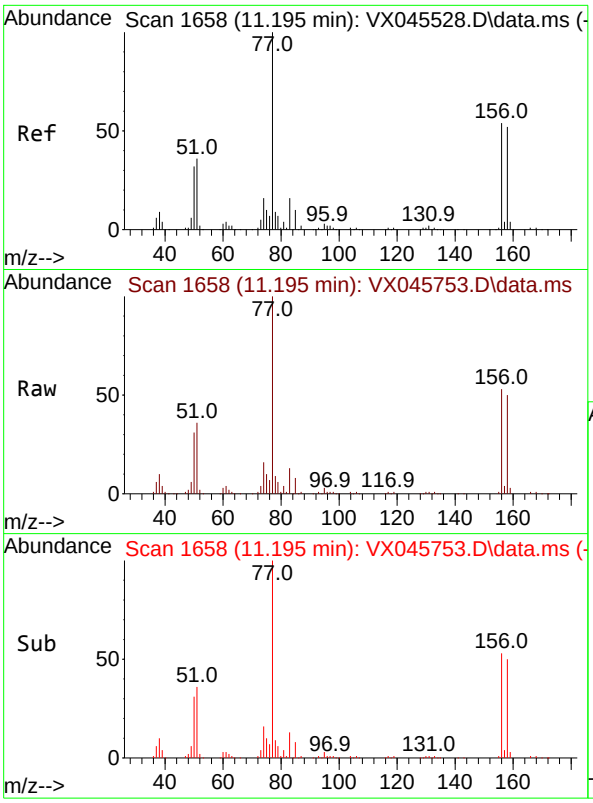


#76
1,2,3-Trichloropropane
Concen: 46.836 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 72492

Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.0	59.9





#77
Bromobenzene
Concen: 48.436 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

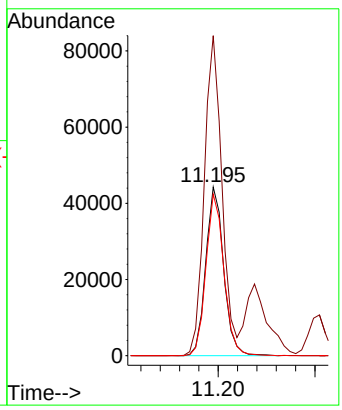
Tgt Ion:156 Resp: 5688

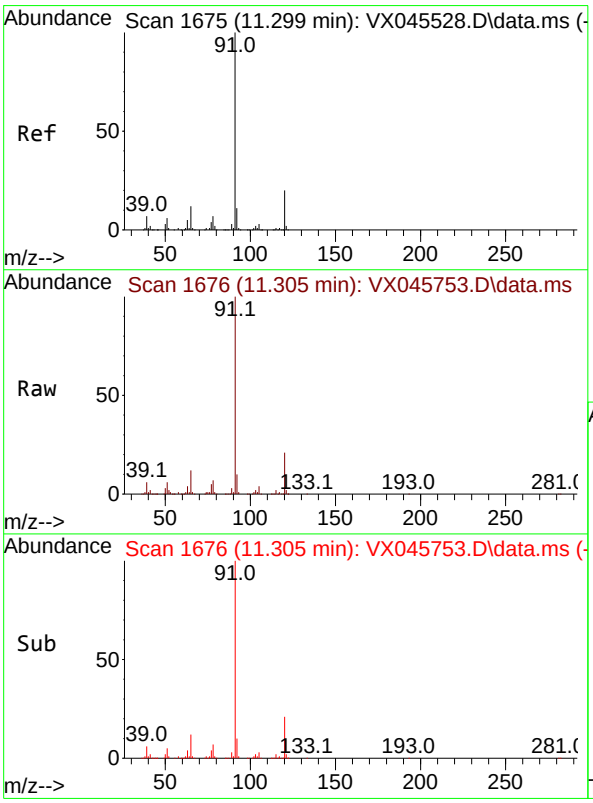
Ion	Ratio	Lower	Upper
156	100		
77	186.8	92.6	277.8
158	96.2	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

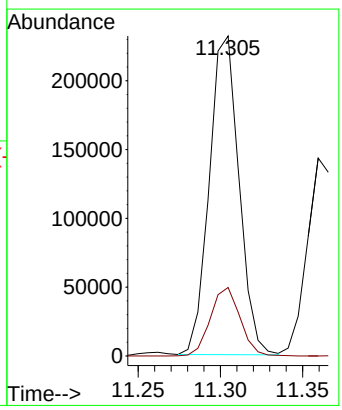


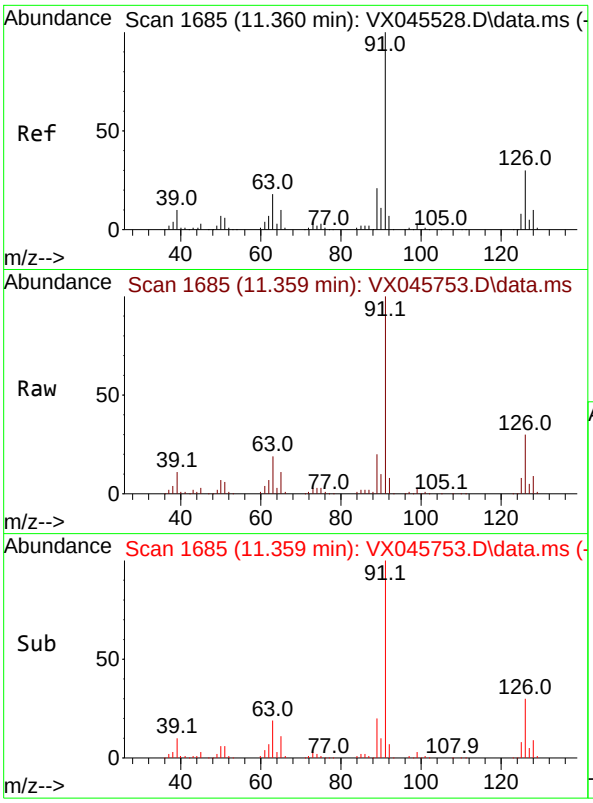


#78
n-propylbenzene
Concen: 49.741 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 291204

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3

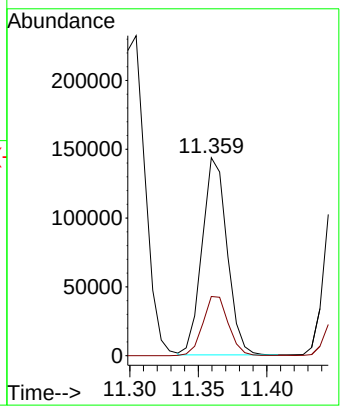




#79
2-Chlorotoluene
Concen: 48.671 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 18216

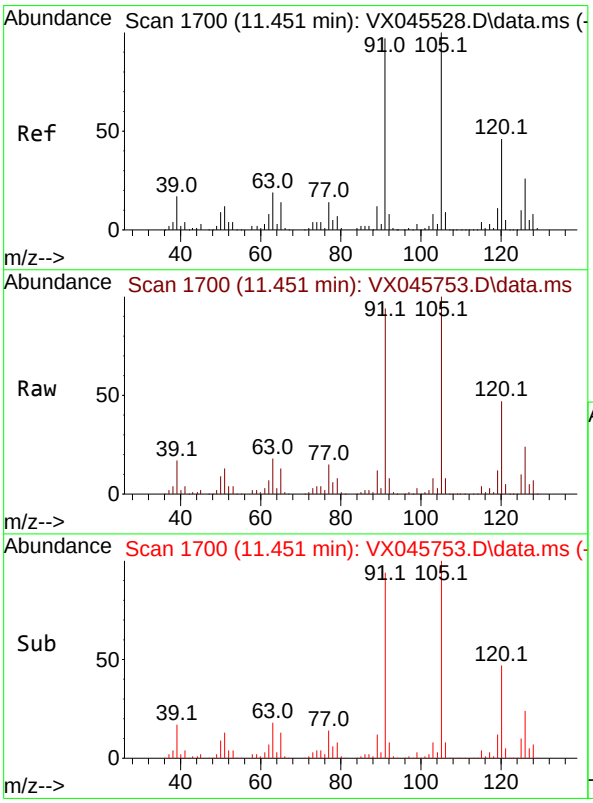
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

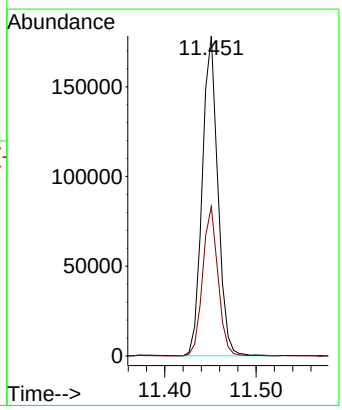
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

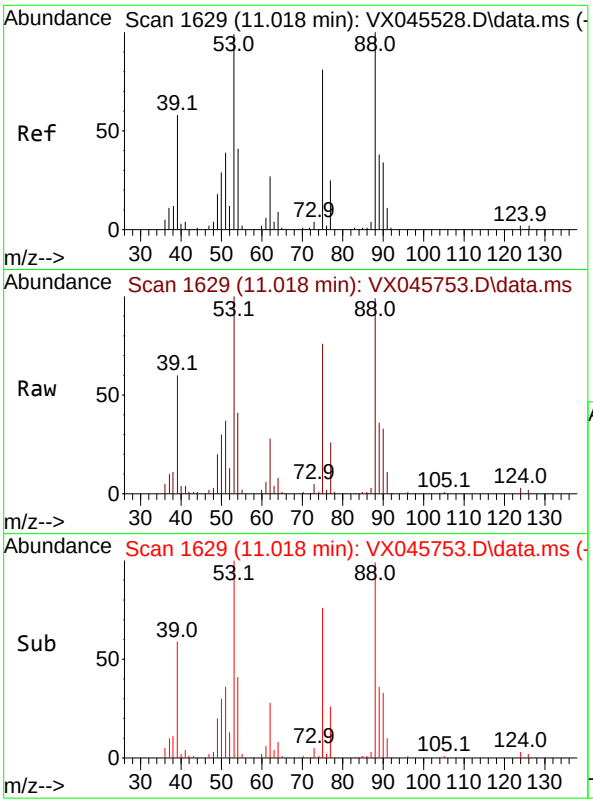


#80
1,3,5-Trimethylbenzene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:105 Resp: 210739

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 44.589 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

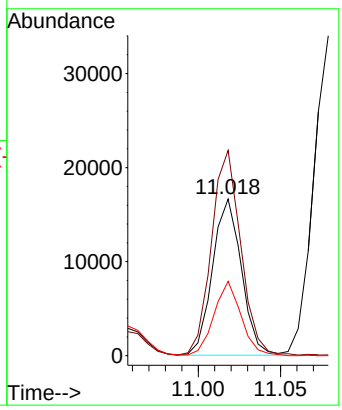
Tgt Ion: 75 Resp: 2033

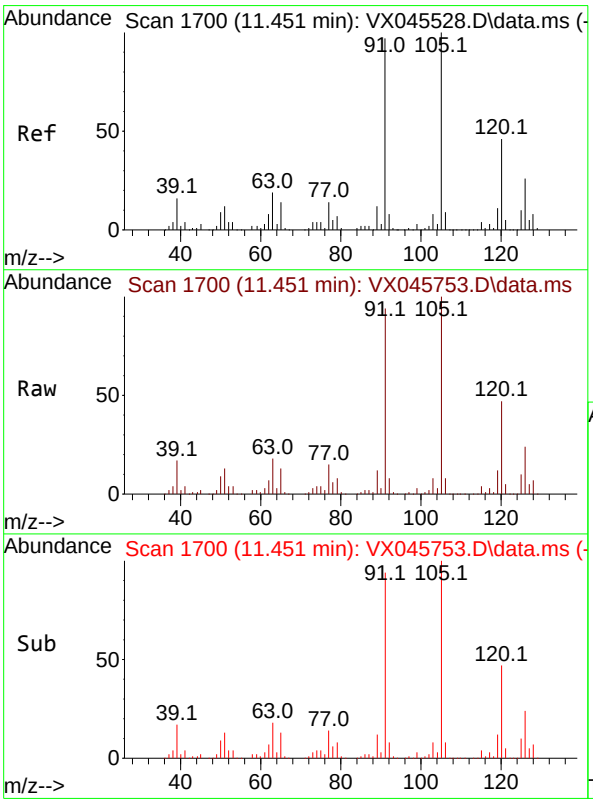
Ion	Ratio	Lower	Upper
75	100		
53	134.1	101.8	152.6
89	44.8	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

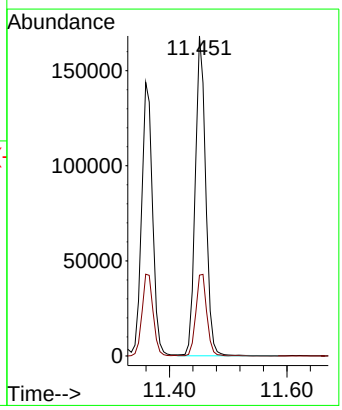


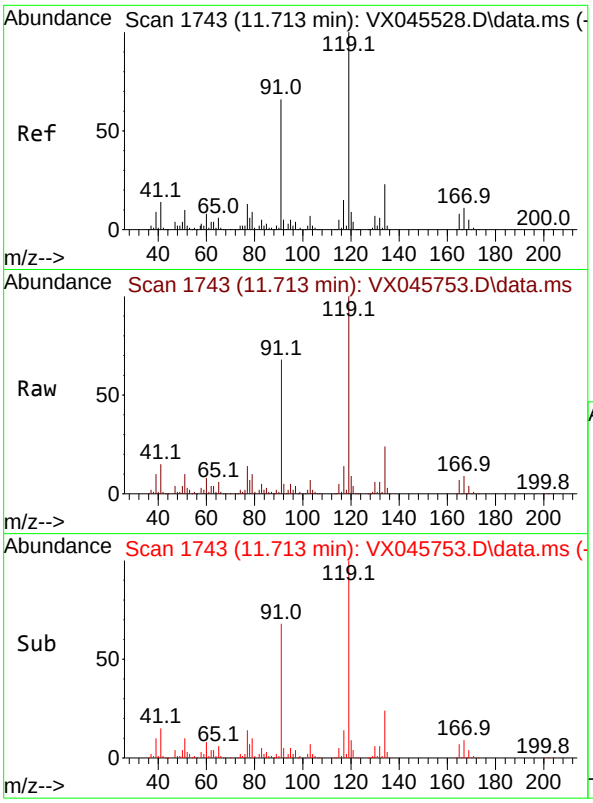


#82
4-Chlorotoluene
Concen: 49.632 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 207110

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.9

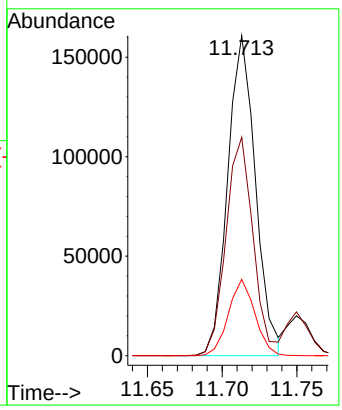




#83
tert-Butylbenzene
Concen: 49.996 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:119 Resp: 20803

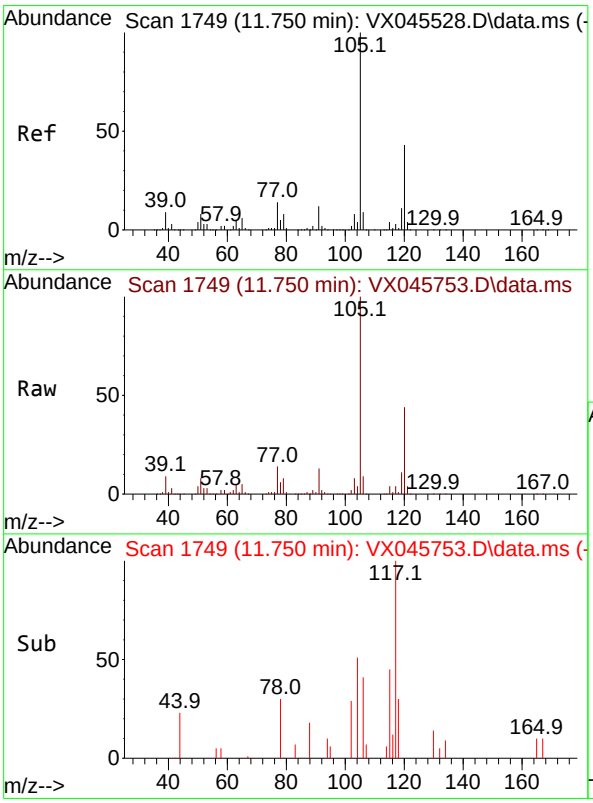
Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	22.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

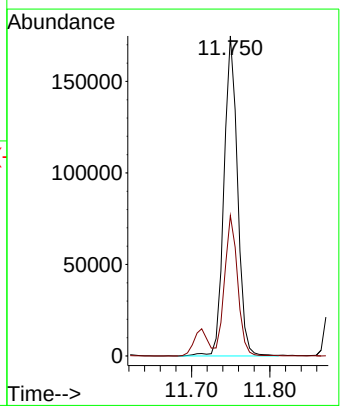
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

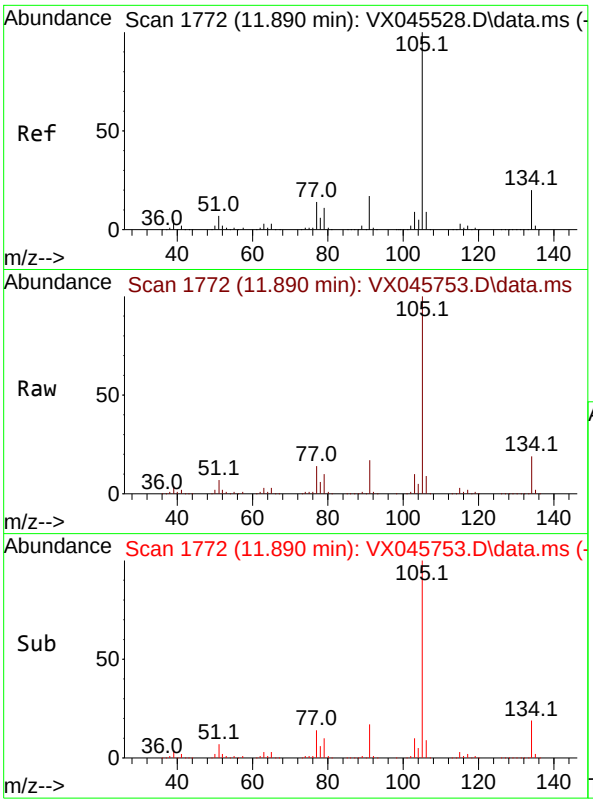


#84
1,2,4-Trimethylbenzene
Concen: 50.044 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:105 Resp: 211110

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

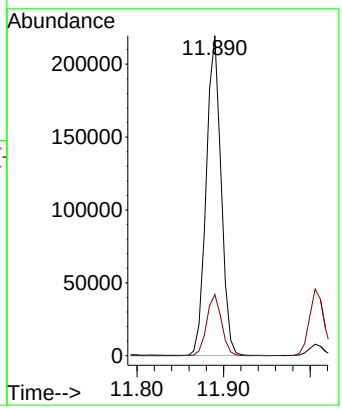




#85
sec-Butylbenzene
Concen: 50.943 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:105 Resp: 26036

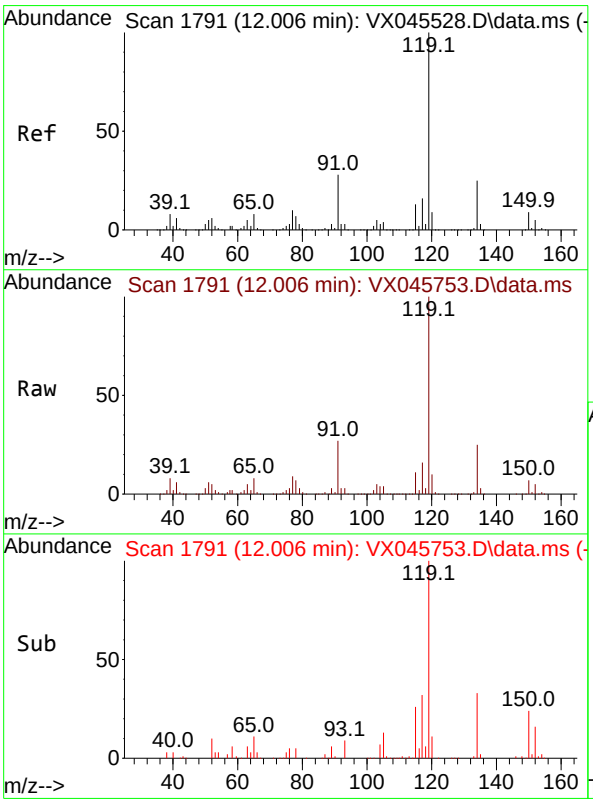
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

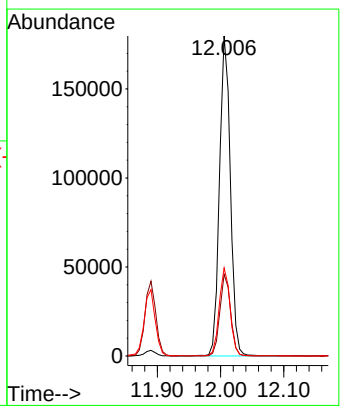
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

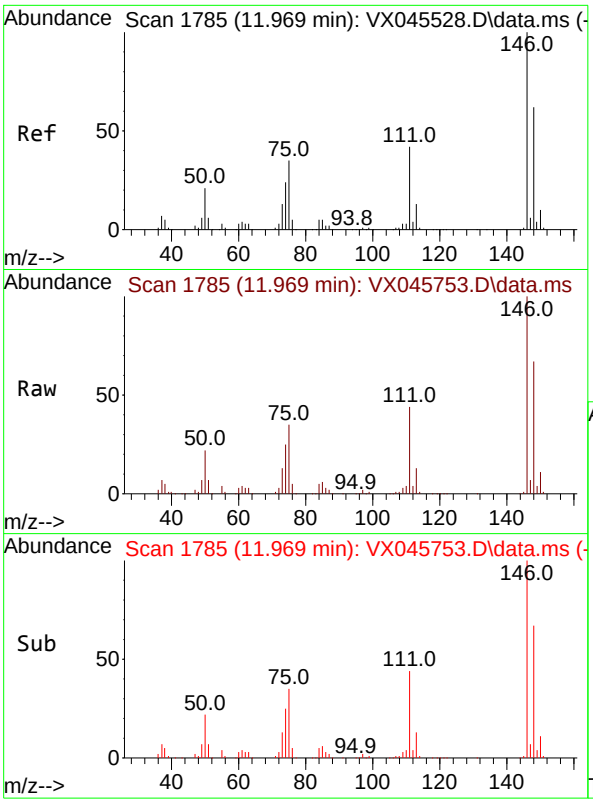


#86
p-Isopropyltoluene
Concen: 50.448 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:119 Resp: 212566

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.7	13.7	41.1

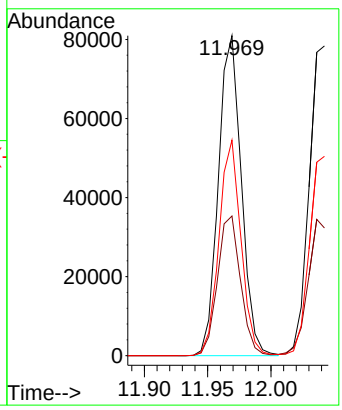




#87
1,3-Dichlorobenzene
Concen: 47.759 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:146 Resp: 10209

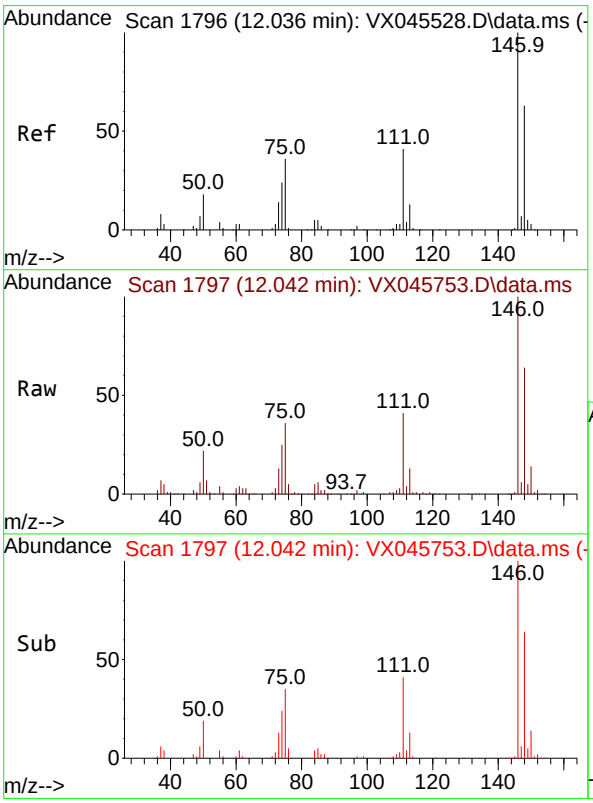
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	64.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

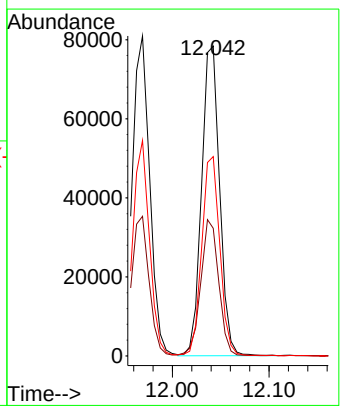
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

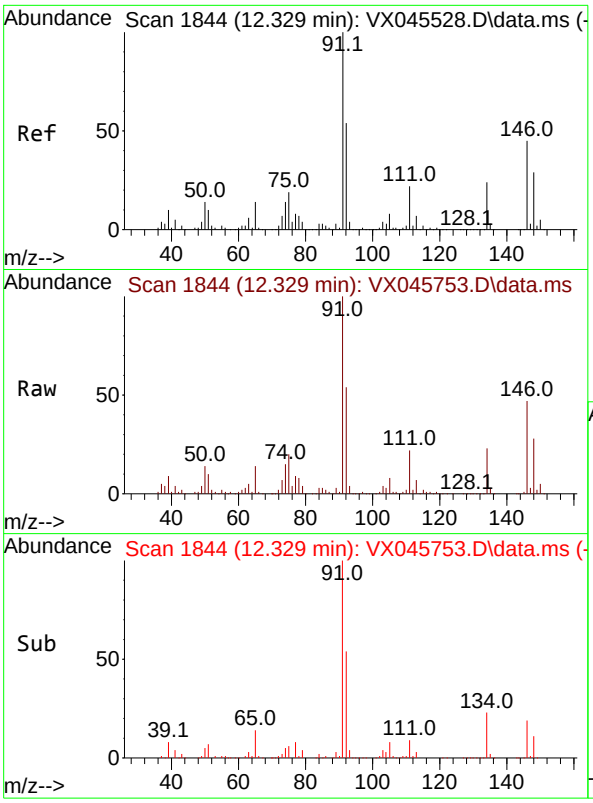


#88
1,4-Dichlorobenzene
Concen: 47.033 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:146 Resp: 101930

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.9	62.8
148	64.5	31.5	94.5

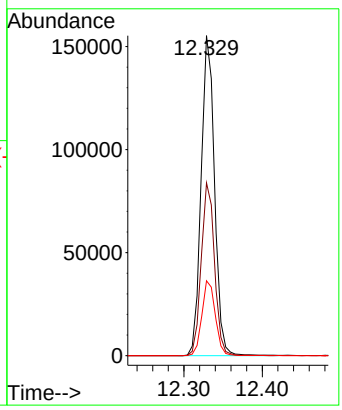




#89
n-Butylbenzene
Concen: 50.440 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 18429

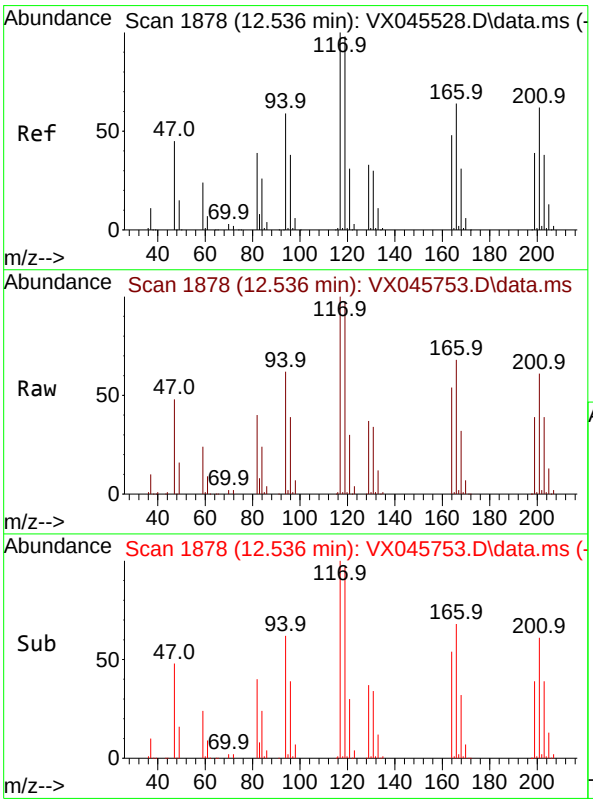
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.5	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

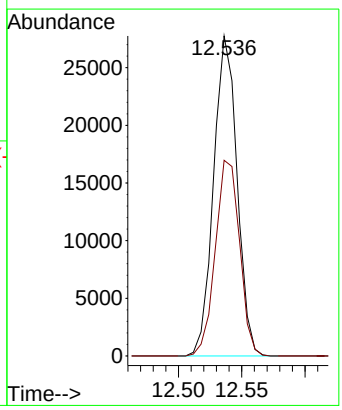
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

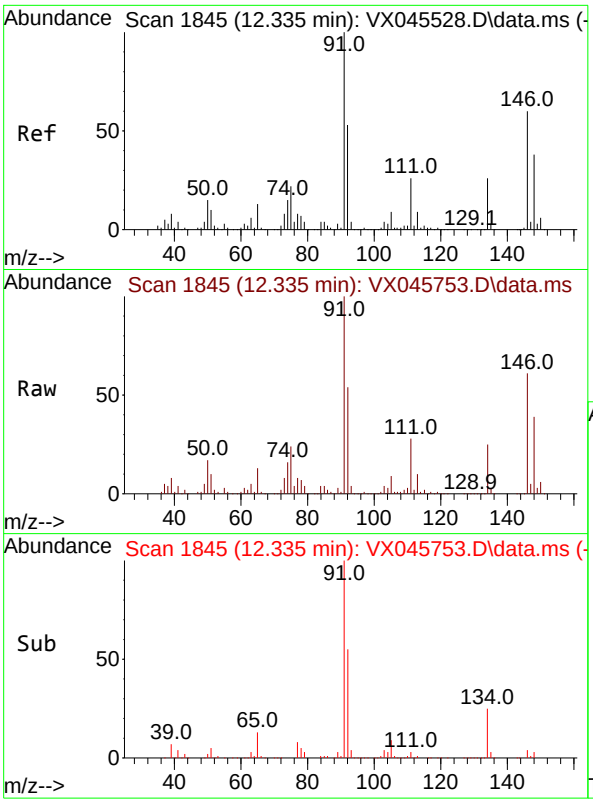


#90
Hexachloroethane
Concen: 49.357 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:117 Resp: 35741

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.2	93.6

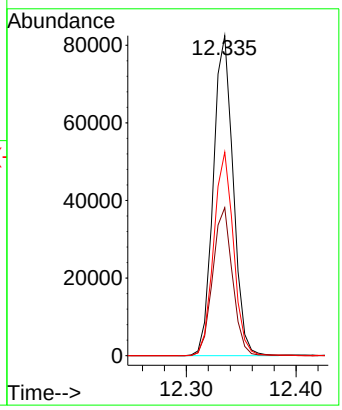




#91
1,2-Dichlorobenzene
Concen: 48.847 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:146 Resp: 10381

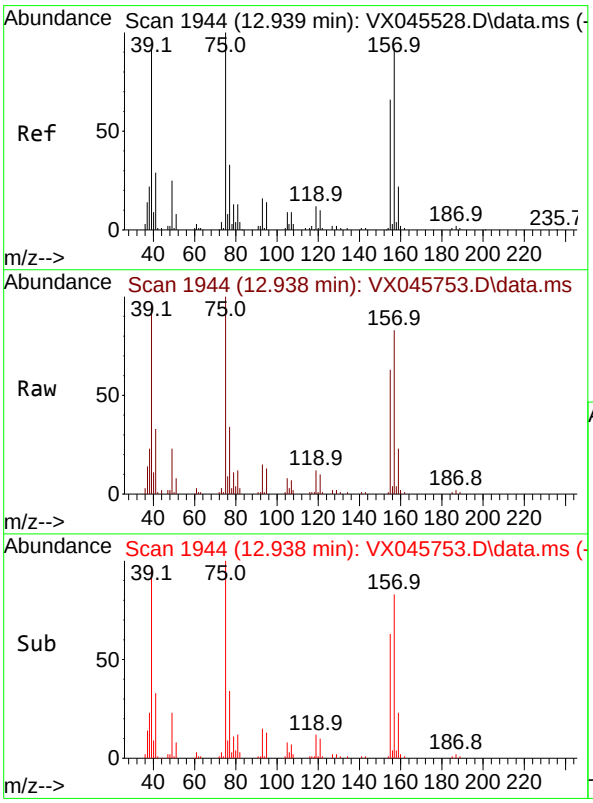
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.8
148	63.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

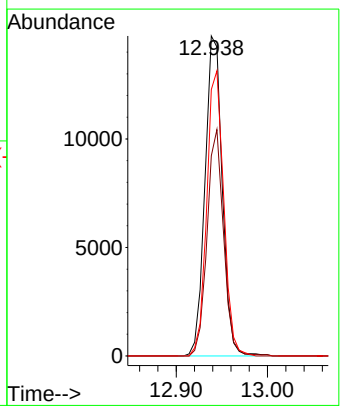
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

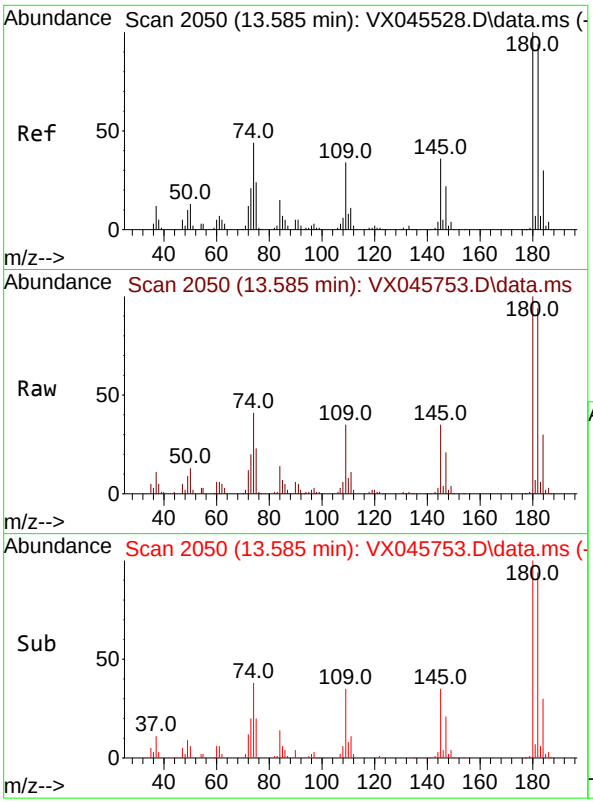


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.860 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 19365

Ion	Ratio	Lower	Upper
75	100		
155	67.4	34.9	104.7
157	87.0	44.9	134.7

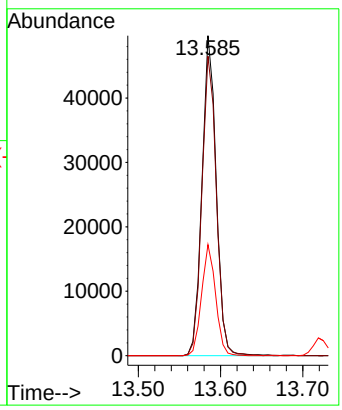




#93
1,2,4-Trichlorobenzene
Concen: 50.371 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:180 Resp: 5959

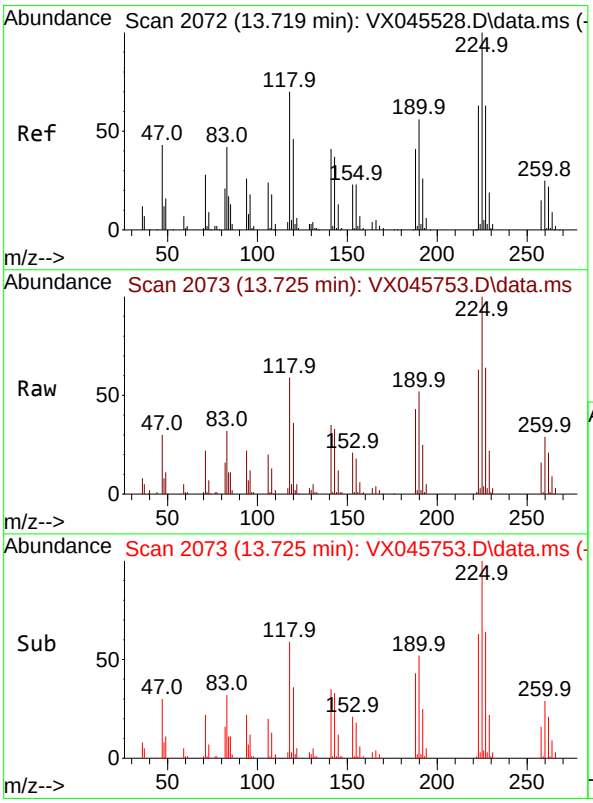
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	34.3	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

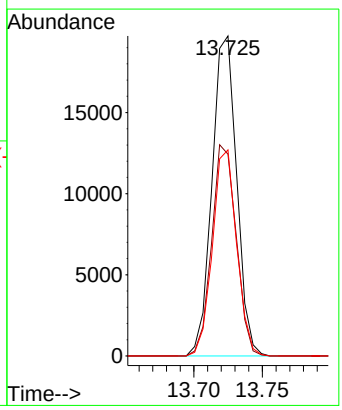
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

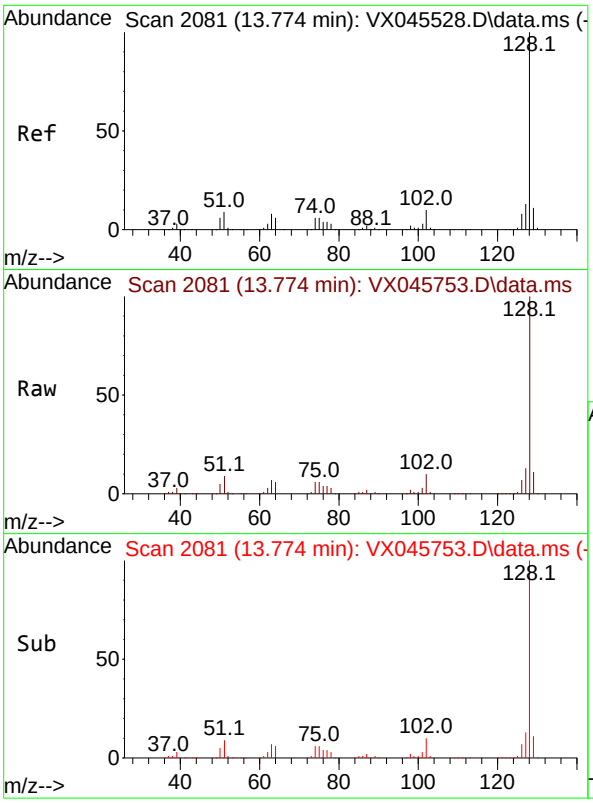


#94
Hexachlorobutadiene
Concen: 48.349 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:225 Resp: 24648

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.3
227	63.2	32.2	96.6

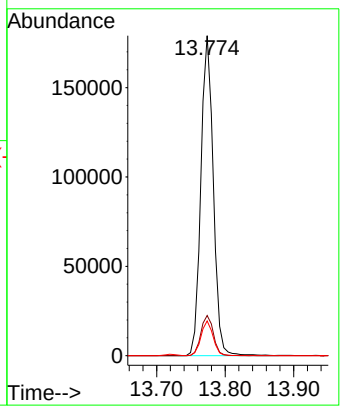




#95
Naphthalene
Concen: 51.359 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:128 Resp: 22611

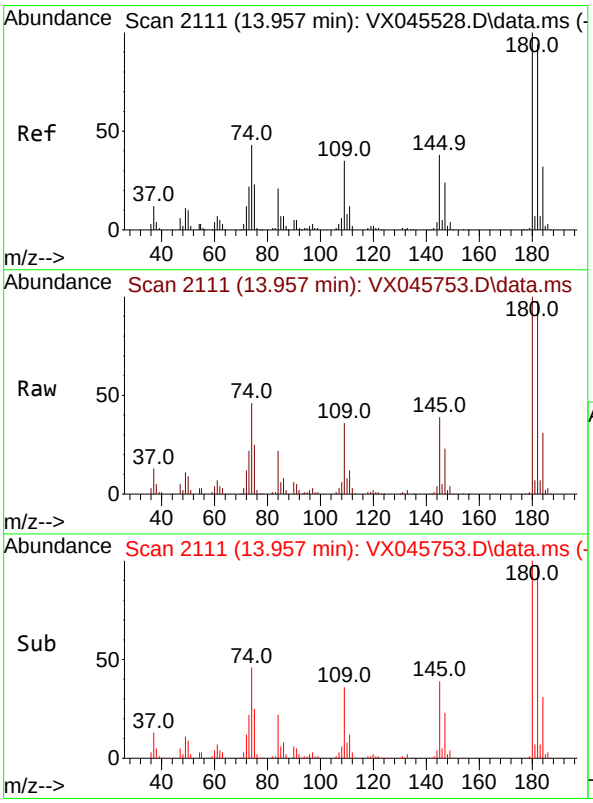
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

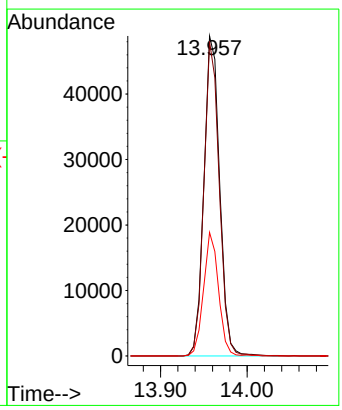
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.830 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:180 Resp: 61729

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	36.8	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	89	0.00
2	T	Dichlorodifluoromethane	0.748	0.752	-0.5	82	0.00
3	P	Chloromethane	0.768	0.720	6.3	82	0.00
4	C	Vinyl Chloride	0.703	0.676	3.8#	84	0.00
5	T	Bromomethane	0.333	0.302	9.3	81	0.00
6	T	Chloroethane	0.373	0.327	12.3	73	0.00
7	T	Trichlorofluoromethane	1.048	1.046	0.2	86	0.00
8	T	Diethyl Ether	0.352	0.348	1.1	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.606	1.3	87	0.00
10	T	Methyl Iodide	0.766	0.750	2.1	84	0.00
11	T	Tert butyl alcohol	0.123	0.119	3.3	84	0.01
12	CM	1,1-Dichloroethene	0.600	0.580	3.3#	86	0.00
13	T	Acrolein	0.169	0.171	-1.2	91	0.00
14	T	Allyl chloride	1.139	1.139	0.0	87	0.00
15	T	Acrylonitrile	0.388	0.390	-0.5	85	0.00
16	T	Acetone	0.375	0.376	-0.3	89	0.00
17	T	Carbon Disulfide	1.483	1.195	19.4	69	0.00
18	T	Methyl Acetate	0.864	0.994	-15.0	103	0.00
19	T	Methyl tert-butyl Ether	2.100	2.139	-1.9	90	0.00
20	T	Methylene Chloride	0.703	0.684	2.7	86	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.586	4.4	84	0.00
22	T	Diisopropyl ether	2.243	2.312	-3.1	90	0.00
23	T	Vinyl Acetate	1.938	1.981	-2.2	85	0.00
24	P	1,1-Dichloroethane	1.269	1.257	0.9	88	0.00
25	T	2-Butanone	0.550	0.568	-3.3	86	0.00
26	T	2,2-Dichloropropane	0.820	0.784	4.4	82	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.724	3.1	86	0.00
28	T	Bromochloromethane	0.613	0.608	0.8	91	0.00
29	T	Tetrahydrofuran	0.356	0.358	-0.6	86	0.00
30	C	Chloroform	1.306	1.320	-1.1#	89	0.00
31	T	Cyclohexane	1.122	1.059	5.6	84	0.00
32	T	1,1,1-Trichloroethane	1.105	1.098	0.6	88	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.966	-5.7	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.355	0.356	-0.3	94	0.00
36	T	1,1-Dichloropropene	0.479	0.459	4.2	86	0.00
37	T	Ethyl Acetate	0.604	0.584	3.3	85	0.00
38	T	Carbon Tetrachloride	0.518	0.519	-0.2	88	0.00
39	T	Methylcyclohexane	0.587	0.562	4.3	82	0.00
40	TM	Benzene	1.463	1.417	3.1	87	0.00
41	T	Methacrylonitrile	0.318	0.350	-10.1	91	0.00
42	TM	1,2-Dichloroethane	0.604	0.621	-2.8	91	0.00
43	T	Isopropyl Acetate	0.915	0.927	-1.3	86	0.00
44	TM	Trichloroethene	0.348	0.337	3.2	87	0.00
45	C	1,2-Dichloropropane	0.365	0.365	0.0	88	0.00
46	T	Dibromomethane	0.280	0.280	0.0	87	0.00
47	T	Bromodichloromethane	0.560	0.566	-1.1	90	0.00
48	T	Methyl methacrylate	0.472	0.498	-5.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.009	0.009	0.0	88	0.00
50	S	Toluene-d8	1.238	1.228	0.8	92	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.635	-4.8	87	0.00
52	CM	Toluene	0.885	0.864	2.4#	86	0.00
53	T	t-1,3-Dichloropropene	0.467	0.479	-2.6	86	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.530	-0.8	85	0.00
55	T	1,1,2-Trichloroethane	0.353	0.358	-1.4	91	0.00
56	T	Ethyl methacrylate	0.546	0.583	-6.8	88	0.00
57	T	1,3-Dichloropropane	0.614	0.619	-0.8	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.291	-5.4	89	0.00
59	T	2-Hexanone	0.449	0.466	-3.8	86	0.00
60	T	Dibromochloromethane	0.385	0.396	-2.9	88	0.00
61	T	1,2-Dibromoethane	0.357	0.360	-0.8	88	0.00
62	S	4-Bromofluorobenzene	0.451	0.467	-3.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.353	0.335	5.1	86	0.00
65	PM	Chlorobenzene	1.068	1.068	0.0	88	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.370	0.3	89	0.00
67	C	Ethyl Benzene	1.914	1.929	-0.8#	86	0.00
68	T	m/p-Xylenes	0.696	0.703	-1.0	87	0.00
69	T	o-Xylene	0.686	0.703	-2.5	88	0.00
70	T	Styrene	1.132	1.186	-4.8	88	0.00
71	P	Bromoform	0.277	0.278	-0.4	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	4.005	3.985	0.5	88	0.00
74	T	N-amyl acetate	1.916	1.913	0.2	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.327	5.7	88	0.00
76	T	1,2,3-Trichloropropane	1.220	1.142	6.4	86	0.00
77	T	Bromobenzene	0.925	0.896	3.1	88	0.00
78	T	n-propylbenzene	4.613	4.589	0.5	86	0.00
79	T	2-Chlorotoluene	2.949	2.871	2.6	89	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.321	-0.3	87	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.320	10.9	80	0.00
82	T	4-Chlorotoluene	3.288	3.264	0.7	87	0.00
83	T	tert-Butylbenzene	3.279	3.279	0.0	88	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.327	-0.1	87	0.00
85	T	sec-Butylbenzene	4.027	4.103	-1.9	88	0.00
86	T	p-Isopropyltoluene	3.320	3.350	-0.9	88	0.00
87	T	1,3-Dichlorobenzene	1.684	1.609	4.5	87	0.00
88	T	1,4-Dichlorobenzene	1.708	1.606	6.0	87	0.00
89	T	n-Butylbenzene	2.879	2.904	-0.9	85	0.00
90	T	Hexachloroethane	0.571	0.563	1.4	87	0.00
91	T	1,2-Dichlorobenzene	1.675	1.636	2.3	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.305	-3.7	89	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.939	-0.8	91	0.00
94	T	Hexachlorobutadiene	0.402	0.388	3.5	89	0.00
95	T	Naphthalene	3.469	3.563	-2.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	0.976	0.973	0.3	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	89	0.00
2	T	Dichlorodifluoromethane	50.000	50.299	-0.6	82	0.00
3	P	Chloromethane	50.000	46.832	6.3	82	0.00
4	C	Vinyl Chloride	50.000	48.070	3.9#	84	0.00
5	T	Bromomethane	50.000	45.288	9.4	81	0.00
6	T	Chloroethane	50.000	43.844	12.3	73	0.00
7	T	Trichlorofluoromethane	50.000	49.869	0.3	86	0.00
8	T	Diethyl Ether	50.000	49.444	1.1	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.300	1.4	87	0.00
10	T	Methyl Iodide	50.000	48.966	2.1	84	0.00
11	T	Tert butyl alcohol	250.000	243.014	2.8	84	0.01
12	CM	1,1-Dichloroethene	50.000	48.327	3.3#	86	0.00
13	T	Acrolein	250.000	252.744	-1.1	91	0.00
14	T	Allyl chloride	50.000	50.013	-0.0	87	0.00
15	T	Acrylonitrile	250.000	251.263	-0.5	85	0.00
16	T	Acetone	250.000	250.602	-0.2	89	0.00
17	T	Carbon Disulfide	50.000	40.308	19.4	69	0.00
18	T	Methyl Acetate	50.000	57.504	-15.0	103	0.00
19	T	Methyl tert-butyl Ether	50.000	50.943	-1.9	90	0.00
20	T	Methylene Chloride	50.000	48.665	2.7	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.769	4.5	84	0.00
22	T	Diisopropyl ether	50.000	51.529	-3.1	90	0.00
23	T	Vinyl Acetate	250.000	255.514	-2.2	85	0.00
24	P	1,1-Dichloroethane	50.000	49.540	0.9	88	0.00
25	T	2-Butanone	250.000	258.535	-3.4	86	0.00
26	T	2,2-Dichloropropane	50.000	47.800	4.4	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.460	3.1	86	0.00
28	T	Bromochloromethane	50.000	49.600	0.8	91	0.00
29	T	Tetrahydrofuran	250.000	251.219	-0.5	86	0.00
30	C	Chloroform	50.000	50.559	-1.1#	89	0.00
31	T	Cyclohexane	50.000	47.195	5.6	84	0.00
32	T	1,1,1-Trichloroethane	50.000	49.717	0.6	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.816	-5.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	50.205	-0.4	94	0.00
36	T	1,1-Dichloropropene	50.000	47.875	4.3	86	0.00
37	T	Ethyl Acetate	50.000	48.411	3.2	85	0.00
38	T	Carbon Tetrachloride	50.000	50.115	-0.2	88	0.00
39	T	Methylcyclohexane	50.000	47.841	4.3	82	0.00
40	TM	Benzene	50.000	48.421	3.2	87	0.00
41	T	Methacrylonitrile	50.000	54.955	-9.9	91	0.00
42	TM	1,2-Dichloroethane	50.000	51.365	-2.7	91	0.00
43	T	Isopropyl Acetate	50.000	50.660	-1.3	86	0.00
44	TM	Trichloroethene	50.000	48.452	3.1	87	0.00
45	C	1,2-Dichloropropane	50.000	49.984	0.0#	88	0.00
46	T	Dibromomethane	50.000	49.878	0.2	87	0.00
47	T	Bromodichloromethane	50.000	50.556	-1.1	90	0.00
48	T	Methyl methacrylate	50.000	52.724	-5.4	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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	1045.779	-4.6	88	0.00
50	S	Toluene-d8	50.000	49.606	0.8	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.644	-4.7	87	0.00
52	CM	Toluene	50.000	48.785	2.4#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	44.751	10.5	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.435	-0.9	85	0.00
55	T	1,1,2-Trichloroethane	50.000	50.713	-1.4	91	0.00
56	T	Ethyl methacrylate	50.000	53.387	-6.8	88	0.00
57	T	1,3-Dichloropropane	50.000	50.395	-0.8	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.298	-5.3	89	0.00
59	T	2-Hexanone	250.000	259.467	-3.8	86	0.00
60	T	Dibromochloromethane	50.000	51.502	-3.0	88	0.00
61	T	1,2-Dibromoethane	50.000	50.426	-0.9	88	0.00
62	S	4-Bromofluorobenzene	50.000	51.728	-3.5	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	47.399	5.2	86	0.00
65	PM	Chlorobenzene	50.000	49.983	0.0	88	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.902	0.2	89	0.00
67	C	Ethyl Benzene	50.000	50.395	-0.8#	86	0.00
68	T	m/p-Xylenes	100.000	101.039	-1.0	87	0.00
69	T	o-Xylene	50.000	51.294	-2.6	88	0.00
70	T	Styrene	50.000	52.385	-4.8	88	0.00
71	P	Bromoform	50.000	50.132	-0.3	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	49.753	0.5	88	0.00
74	T	N-amyl acetate	50.000	49.926	0.1	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.176	5.6	88	0.00
76	T	1,2,3-Trichloropropane	50.000	46.836	6.3	86	0.00
77	T	Bromobenzene	50.000	48.436	3.1	88	0.00
78	T	n-propylbenzene	50.000	49.741	0.5	86	0.00
79	T	2-Chlorotoluene	50.000	48.671	2.7	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.140	-0.3	87	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.589	10.8	80	0.00
82	T	4-Chlorotoluene	50.000	49.632	0.7	87	0.00
83	T	tert-Butylbenzene	50.000	49.996	0.0	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.044	-0.1	87	0.00
85	T	sec-Butylbenzene	50.000	50.943	-1.9	88	0.00
86	T	p-Isopropyltoluene	50.000	50.448	-0.9	88	0.00
87	T	1,3-Dichlorobenzene	50.000	47.759	4.5	87	0.00
88	T	1,4-Dichlorobenzene	50.000	47.033	5.9	87	0.00
89	T	n-Butylbenzene	50.000	50.440	-0.9	85	0.00
90	T	Hexachloroethane	50.000	49.357	1.3	87	0.00
91	T	1,2-Dichlorobenzene	50.000	48.847	2.3	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.860	-3.7	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.371	-0.7	91	0.00
94	T	Hexachlorobutadiene	50.000	48.349	3.3	89	0.00
95	T	Naphthalene	50.000	51.359	-2.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.830	0.3	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

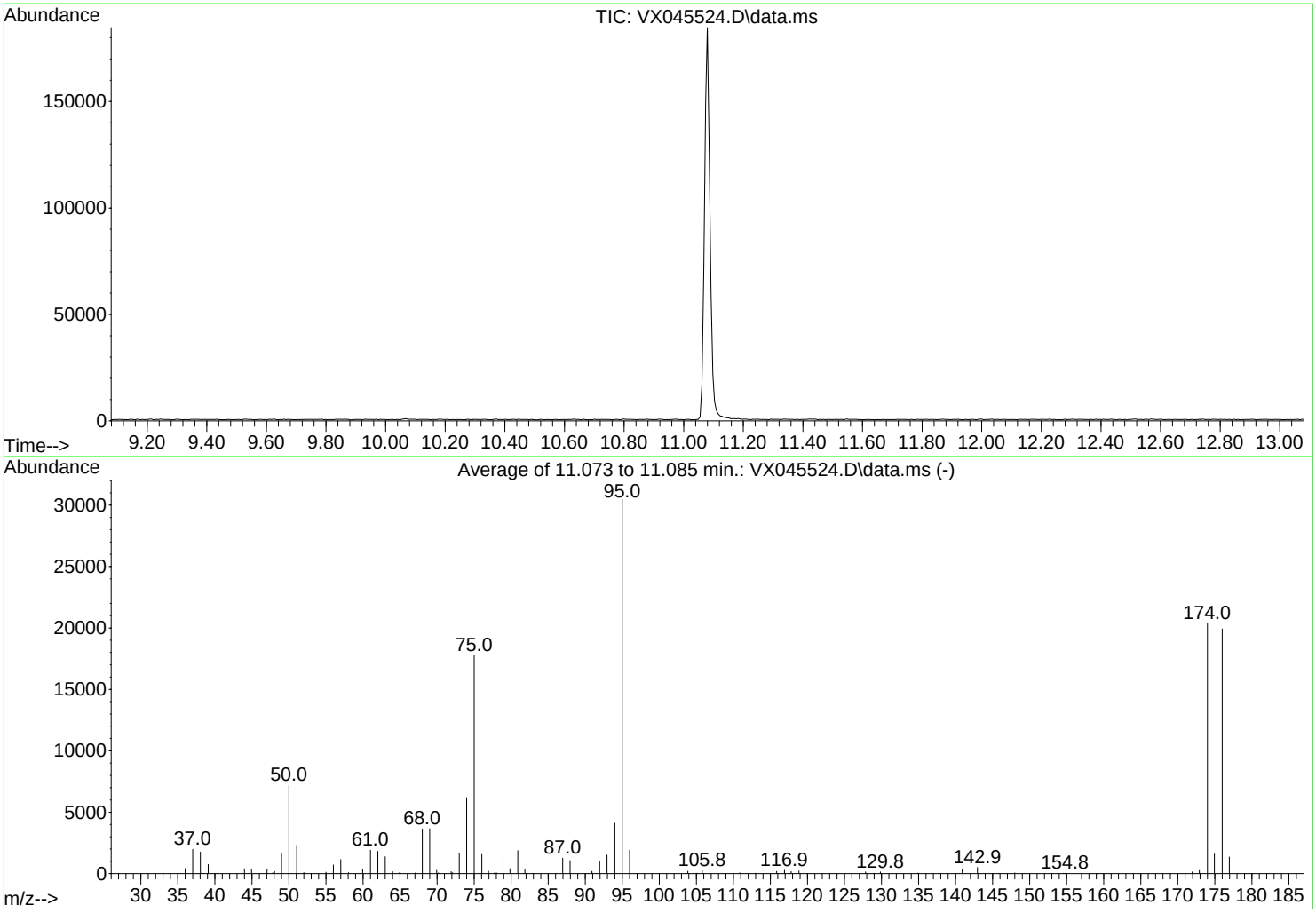
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045524.D
Acq On : 01 Apr 2025 16:15
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	7184	PASS
75	95	30	60	58.2	17768	PASS
95	95	100	100	100.0	30504	PASS
96	95	5	9	6.3	1916	PASS
173	174	0.00	2	1.2	253	PASS
174	95	50	100	66.8	20365	PASS
175	174	5	9	7.8	1596	PASS
176	174	95	101	97.8	19923	PASS
177	176	5	9	6.8	1352	PASS

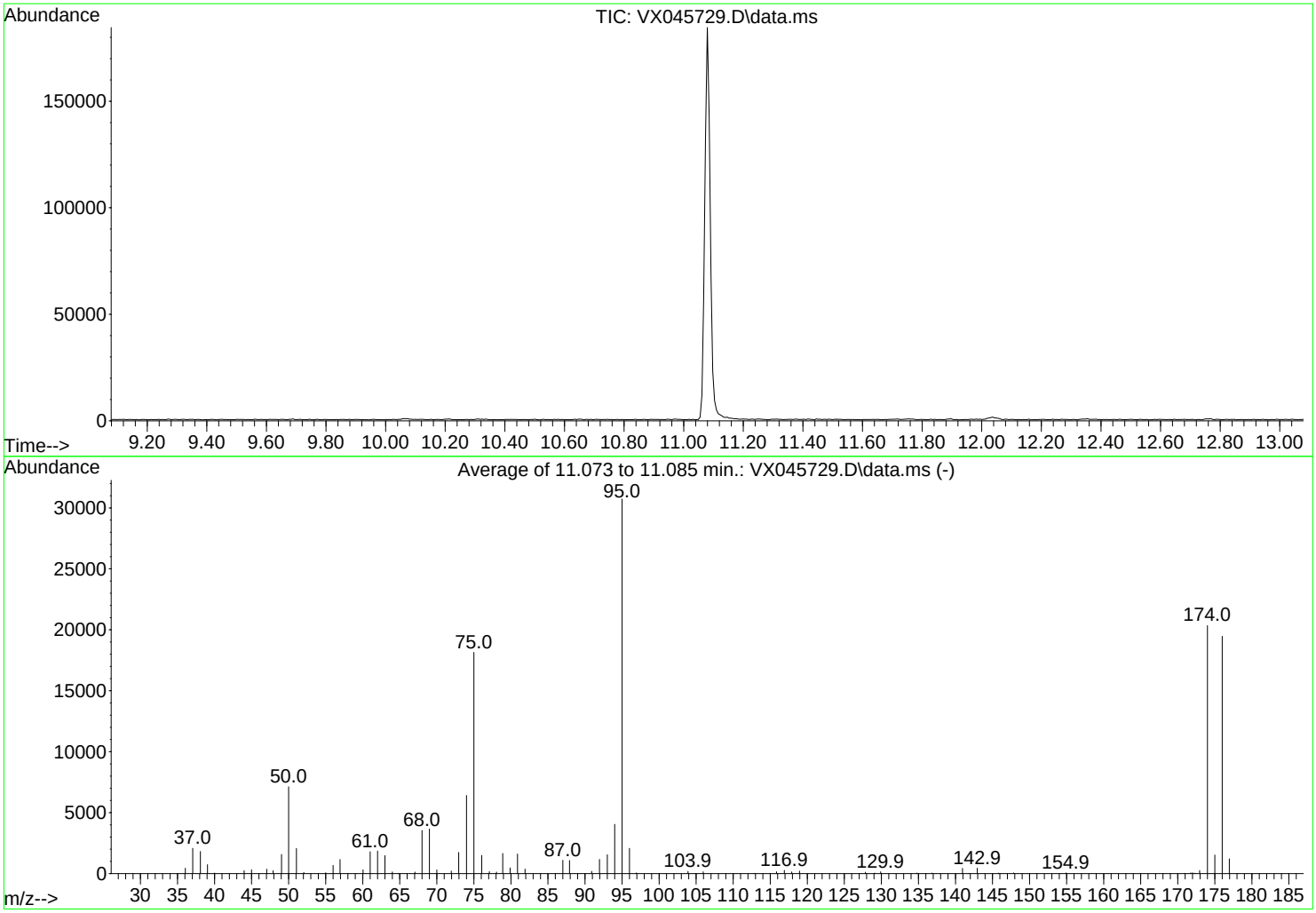
Sample Results: **VX045729.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045729.D
Acq On : 11 Apr 2025 10:14
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	7120	PASS
75	95	30	60	59.1	18154	PASS
95	95	100	100	100.0	30731	PASS
96	95	5	9	6.8	2080	PASS
173	174	0.00	2	1.3	256	PASS
174	95	50	100	66.2	20343	PASS
175	174	5	9	7.5	1523	PASS
176	174	95	101	95.7	19467	PASS
177	176	5	9	6.2	1215	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:	VX0411WBL01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045732.D	1		04/11/25 11:32	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	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	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	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	0.98	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	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	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:	VX0411WBL01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045732.D	1		04/11/25 11:32	VX041125

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	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65600	5.55				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018				

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_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Time: Apr 11 23:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64154	53.515	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	5.379	113	46741	51.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	8.647	98	159396	50.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	58527	50.424	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			

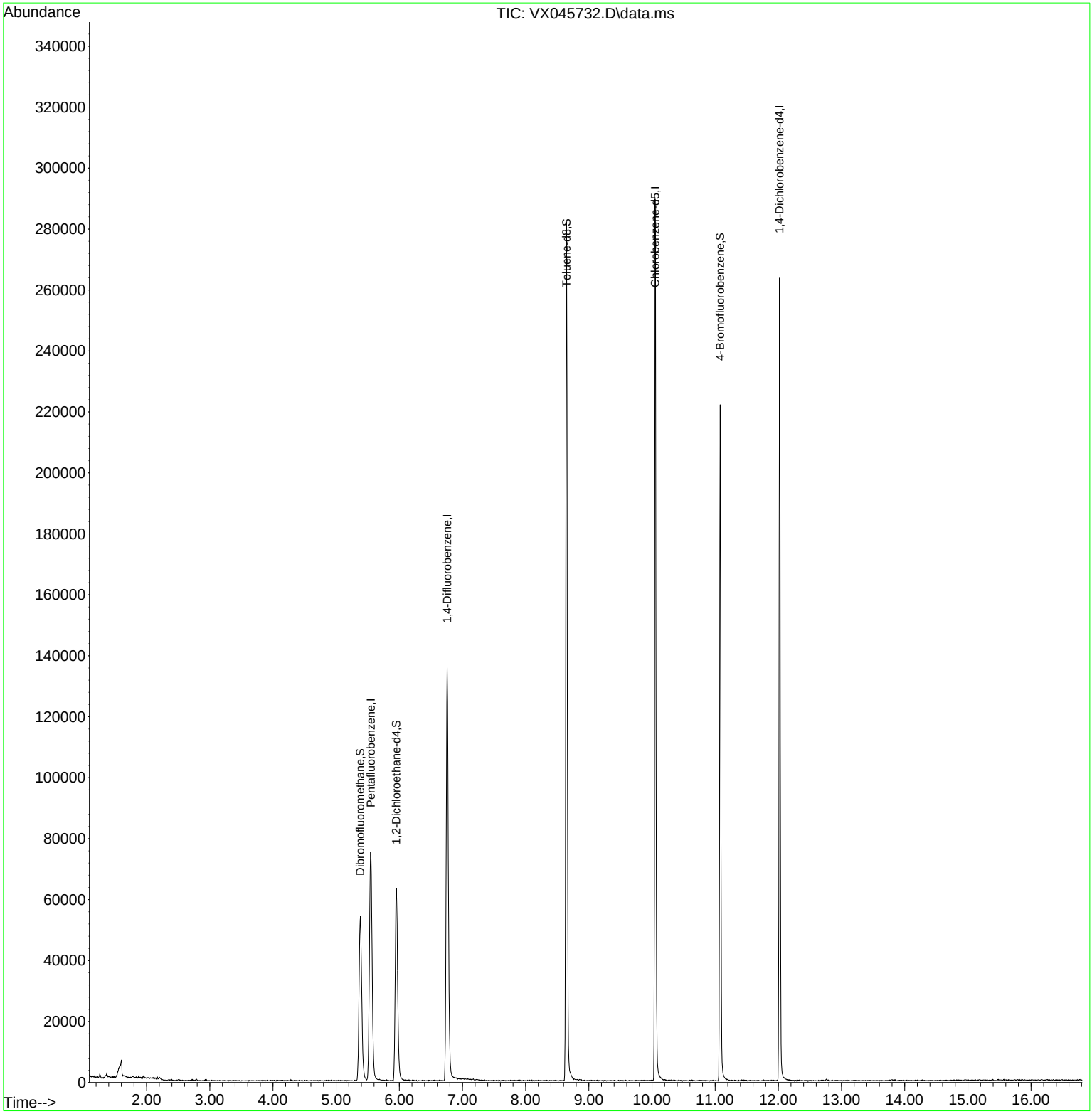
Target Compounds Qvalue

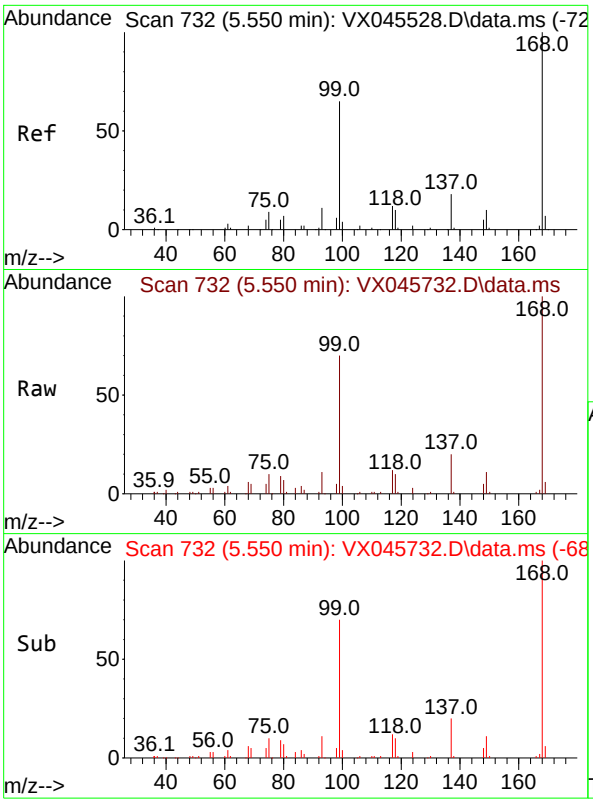
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Time: Apr 11 23:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



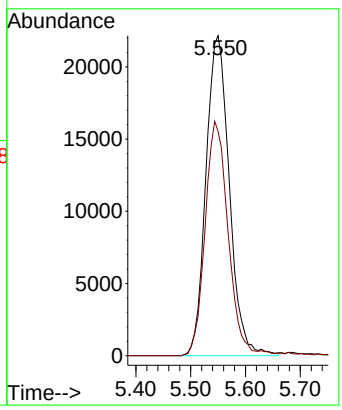


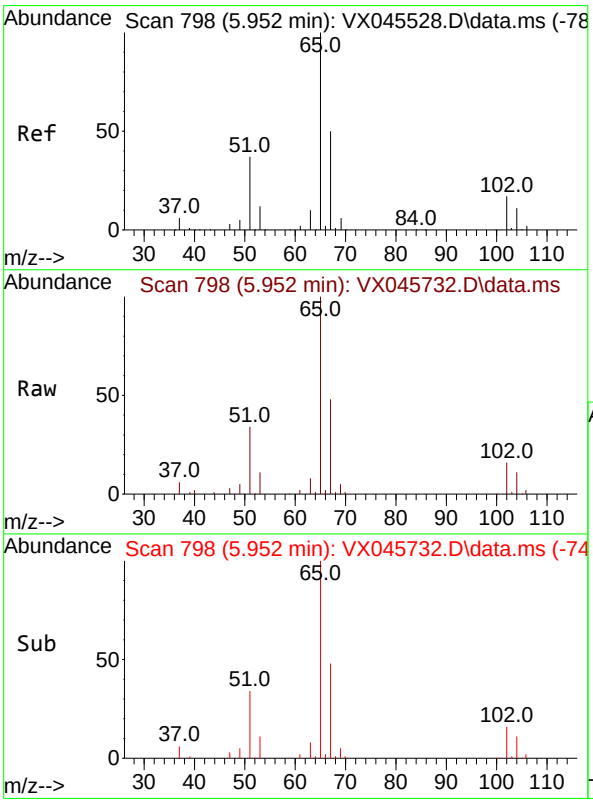
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:168 Resp: 65554

Ion	Ratio	Lower	Upper
168	100		
99	70.1	52.3	78.5

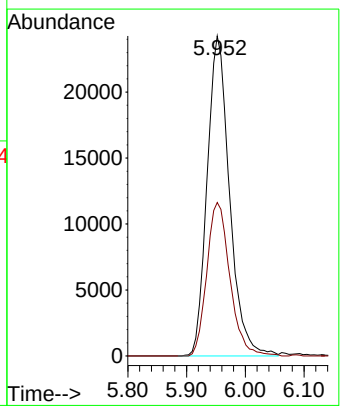


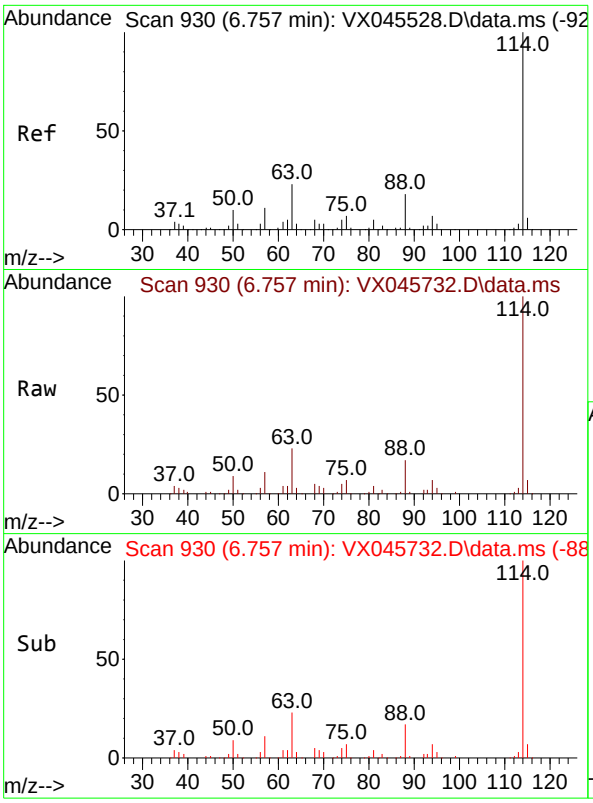


#33
1,2-Dichloroethane-d4
Concen: 53.515 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion: 65 Resp: 64154

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0



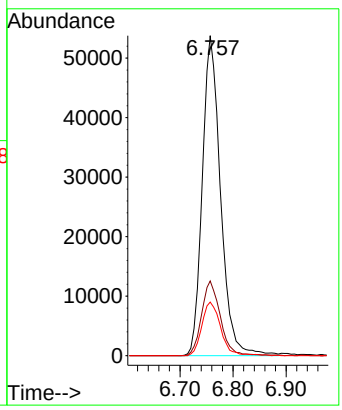


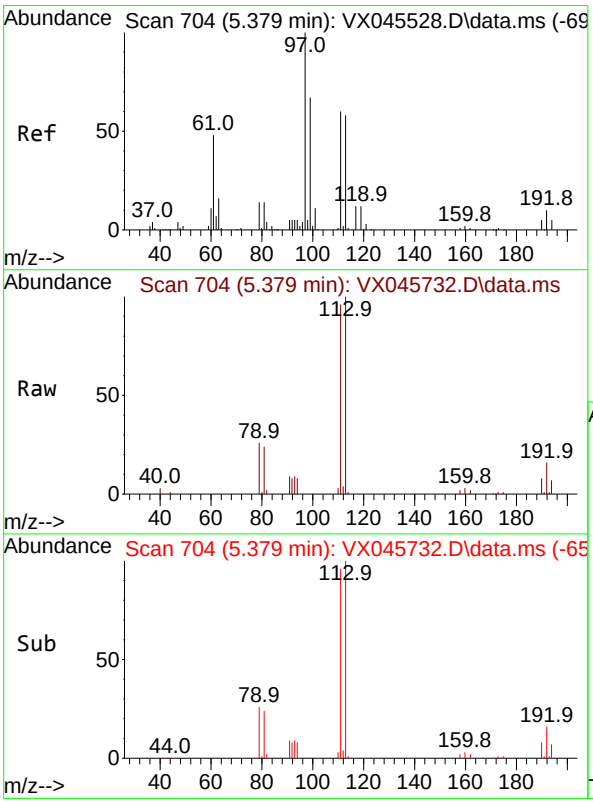
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:114 Resp: 128675

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.8
88	16.8	0.0	35.4

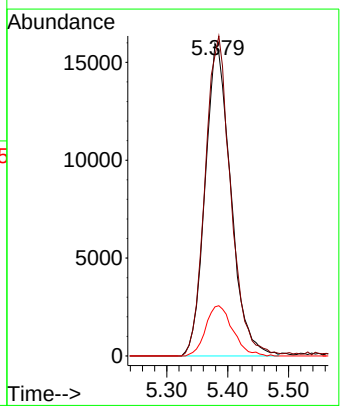


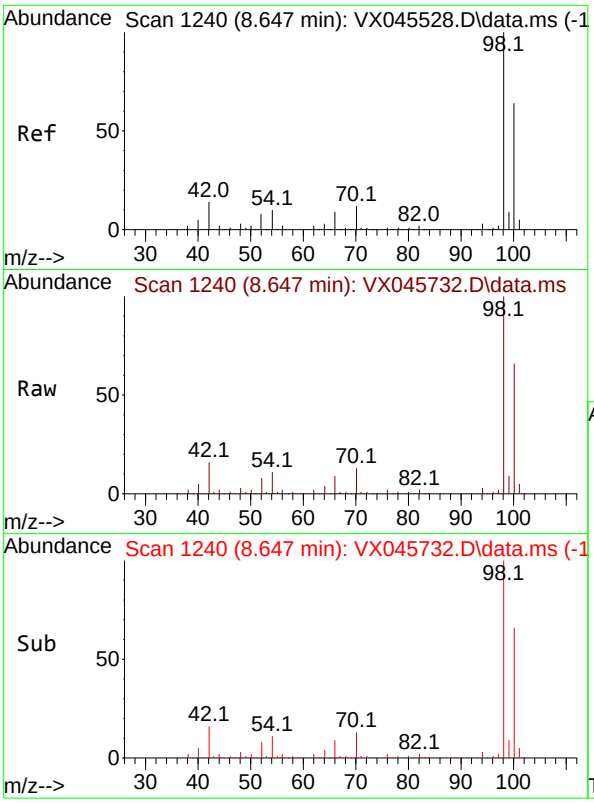


#35
Dibromofluoromethane
Concen: 51.198 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion:113 Resp: 46741

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	16.9	13.8	20.6



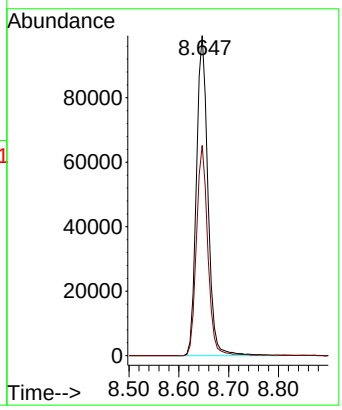


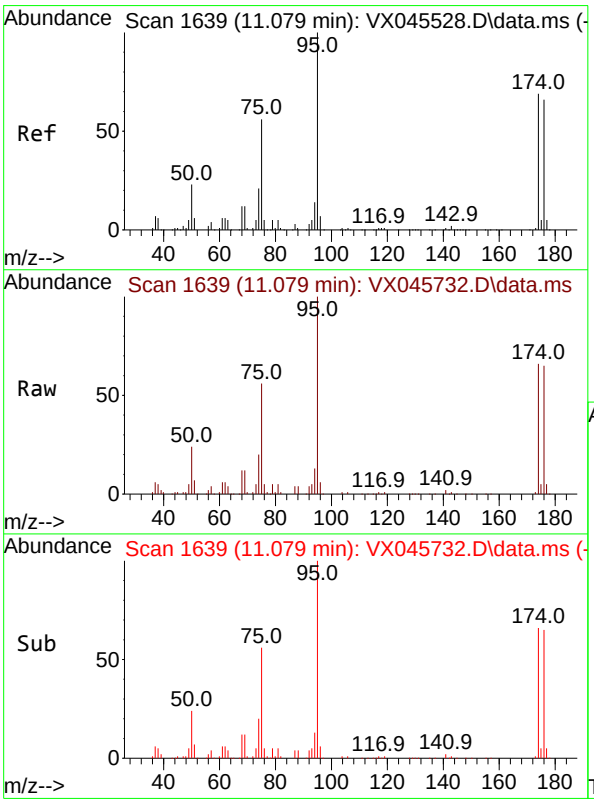
#50
Toluene-d8
Concen: 50.021 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion: 98 Resp: 159396

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

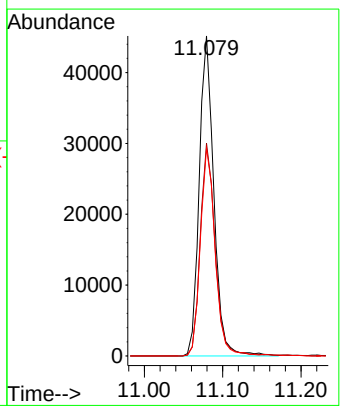


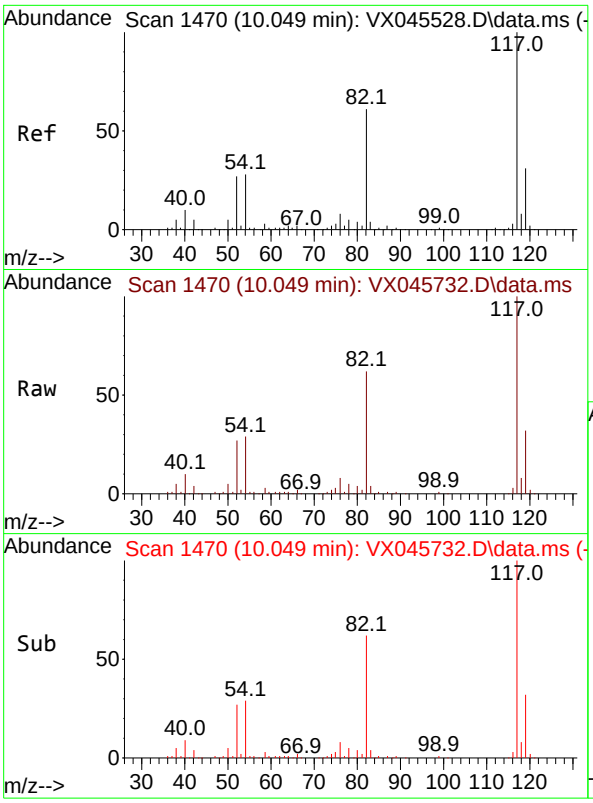


#62
4-Bromofluorobenzene
Concen: 50.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion: 95 Resp: 58527

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	65.5	0.0	131.4



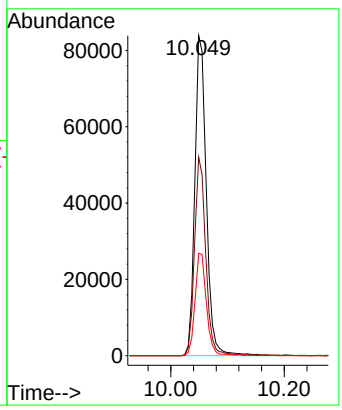


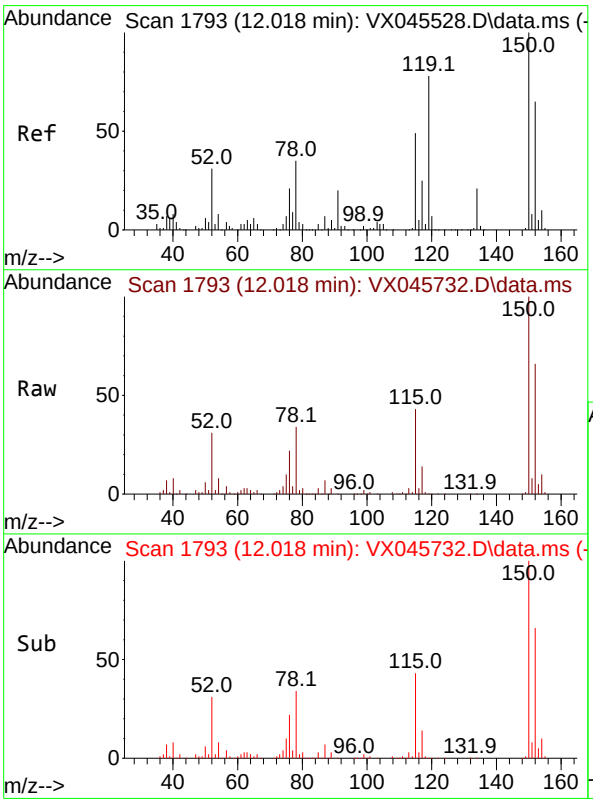
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:117 Resp: 118153

Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.2	73.8
119	31.9	25.1	37.7

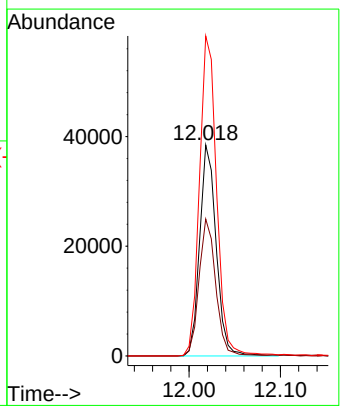




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion:152 Resp: 48353

Ion	Ratio	Lower	Upper
152	100		
115	65.6	46.9	140.7
150	157.7	0.0	349.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

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_X\Method\82X040225W.M
Title : SW846 8260

Signal : TIC: VX045732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.605	69	85	87	rBV5	5689	17088	3.79%	0.722%
2	5.385	694	705	721	rBV	54010	159362	35.31%	6.729%
3	5.550	721	732	750	rVV2	74882	219936	48.73%	9.286%
4	5.952	790	798	814	rBV2	63049	169179	37.48%	7.143%
5	6.757	922	930	946	rBV	135445	326854	72.41%	13.801%
6	8.647	1234	1240	1258	rBV	281682	451364	100.00%	19.058%
7	10.049	1465	1470	1492	rBV	289251	402817	89.24%	17.008%
8	11.079	1634	1639	1655	rBV	221881	292489	64.80%	12.350%
9	12.018	1788	1793	1804	rBV	263265	329294	72.96%	13.904%

Sum of corrected areas: 2368383

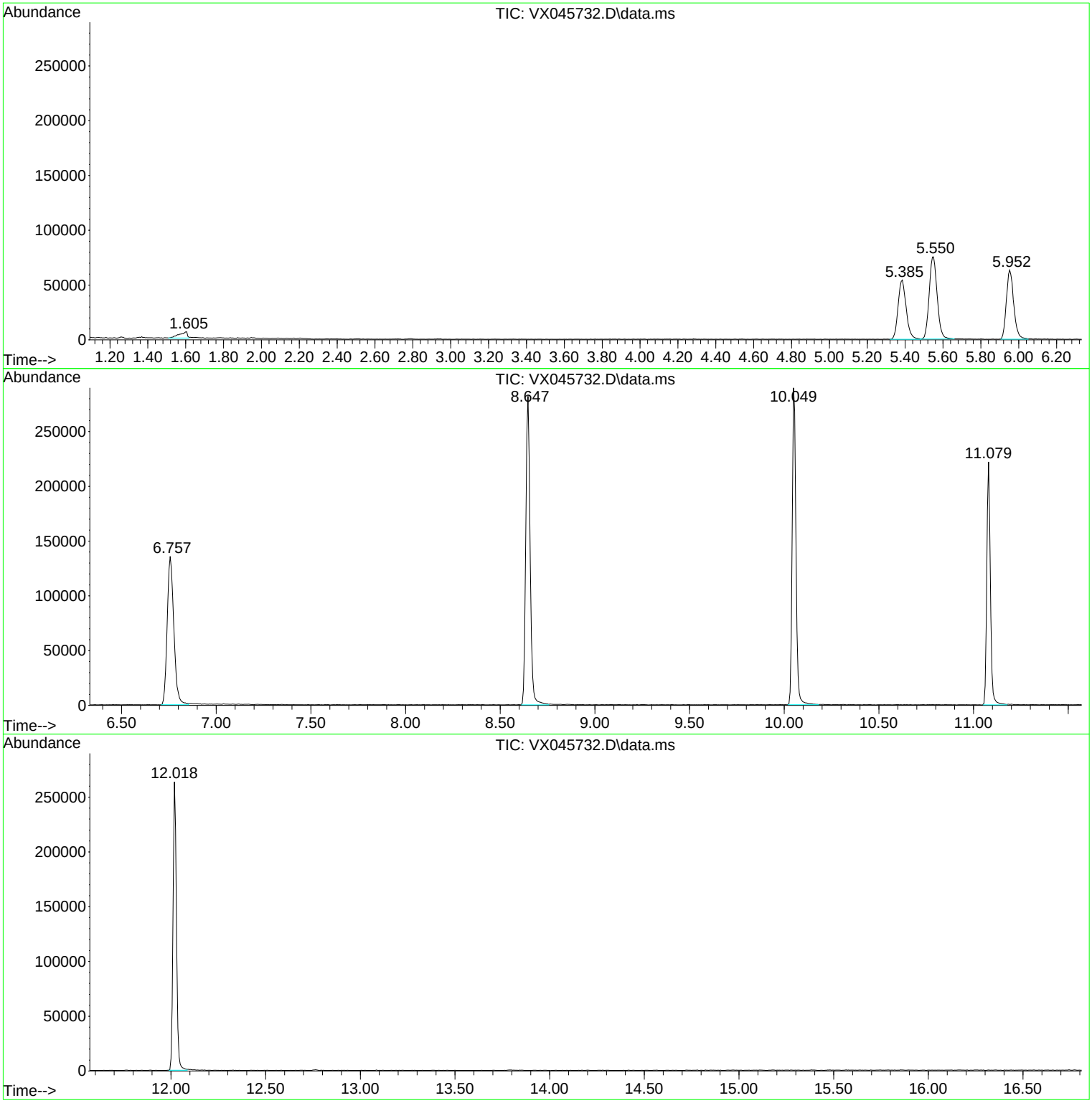
Sample Results: **VX045732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.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:	VX0411WBS01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045733.D	1		04/11/25 11:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	91.5		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.6		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	95.6		0.98	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	18.0		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	18.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.2		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	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:	VX0411WBS01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045733.D	1		04/11/25 11:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.3		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	92500	5.544				
540-36-3	1,4-Difluorobenzene	164000	6.757				
3114-55-4	Chlorobenzene-d5	141000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	64700	12.018				

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_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85438	50.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	5.379	113	58904	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	199568	49.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	74766	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	26280	18.989	ug/l	99
3) Chloromethane	1.301	50	25029	17.604	ug/l	97
4) Vinyl Chloride	1.374	62	22732	17.471	ug/l	98
5) Bromomethane	1.593	94	10370	16.809	ug/l	97
6) Chloroethane	1.666	64	13051	18.906	ug/l	98
7) Trichlorofluoromethane	1.874	101	35608	18.352	ug/l	98
8) Diethyl Ether	2.130	74	11886	18.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21099	18.558	ug/l	99
10) Methyl Iodide	2.447	142	22864	16.123	ug/l	96
11) Tert butyl alcohol	2.977	59	22092	97.136	ug/l	100
12) 1,1-Dichloroethene	2.307	96	19635	17.674	ug/l	98
13) Acrolein	2.233	56	28468	90.896	ug/l	99
14) Allyl chloride	2.654	41	38178	18.112	ug/l	98
15) Acrylonitrile	3.063	53	66646	92.831	ug/l	99
16) Acetone	2.386	43	63606	91.531	ug/l	95
17) Carbon Disulfide	2.502	76	39067	14.238	ug/l	98
18) Methyl Acetate	2.703	43	33915	21.198	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72300	18.604	ug/l	99
20) Methylene Chloride	2.782	84	23691	18.210	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20427	17.998	ug/l	97
22) Diisopropyl ether	3.764	45	77857	18.751	ug/l	93
23) Vinyl Acetate	3.721	43	331007	92.267	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42626	18.152	ug/l	98
25) 2-Butanone	4.556	43	97238	95.593	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30907	20.371	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24956	18.048	ug/l	97
28) Bromochloromethane	4.891	49	27754	24.458	ug/l	99
29) Tetrahydrofuran	5.007	42	61195	92.791	ug/l	99
30) Chloroform	5.087	83	44128	18.263	ug/l	96
31) Cyclohexane	5.458	56	35674	17.184	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37994	18.583	ug/l	100
36) 1,1-Dichloropropene	5.684	75	27539	17.539	ug/l	99
37) Ethyl Acetate	4.715	43	35996	18.192	ug/l	100
38) Carbon Tetrachloride	5.672	117	31597	18.620	ug/l	98
39) Methylcyclohexane	7.379	83	34358	17.851	ug/l	96
40) Benzene	6.031	78	86923	18.126	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19757	18.924 ug/l		98
42) 1,2-Dichloroethane	6.086	62	38345	19.360 ug/l		100
43) Isopropyl Acetate	6.342	43	56572	18.864 ug/l		99
44) Trichloroethene	7.123	130	20087	17.624 ug/l		89
45) 1,2-Dichloropropane	7.428	63	22348	18.678 ug/l		92
46) Dibromomethane	7.580	93	17027	18.538 ug/l		98
47) Bromodichloromethane	7.818	83	33605	18.321 ug/l		99
48) Methyl methacrylate	7.696	41	29328	18.940 ug/l		99
49) 1,4-Dioxane	7.659	88	11671	416.596 ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	195382	98.277 ug/l		100
52) Toluene	8.714	92	52911	18.235 ug/l		97
53) t-1,3-Dichloropropene	8.976	75	28172	17.529 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32748	18.999 ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	21867	18.911 ug/l		94
56) Ethyl methacrylate	9.116	69	34930	19.520 ug/l		99
57) 1,3-Dichloropropane	9.305	76	39057	19.398 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93610	103.408 ug/l		100
59) 2-Hexanone	9.427	43	148152	100.631 ug/l		98
60) Dibromochloromethane	9.519	129	23294	18.479 ug/l		98
61) 1,2-Dibromoethane	9.610	107	21821	18.642 ug/l		100
64) Tetrachloroethene	9.269	164	19066	19.167 ug/l		98
65) Chlorobenzene	10.073	112	57085	18.962 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19355	18.518 ug/l		98
67) Ethyl Benzene	10.189	91	102213	18.957 ug/l		98
68) m/p-Xylenes	10.299	106	73917	37.692 ug/l		97
69) o-Xylene	10.640	106	36919	19.111 ug/l		95
70) Styrene	10.653	104	61692	19.348 ug/l		98
71) Bromoform	10.799	173	13988	17.924 ug/l	#	97
73) Isopropylbenzene	10.957	105	98461	18.994 ug/l		99
74) N-amyl acetate	10.842	43	49056	19.784 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35200	19.330 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30476m	19.306 ug/l		
77) Bromobenzene	11.195	156	22387	18.691 ug/l		97
78) n-propylbenzene	11.299	91	114109	19.111 ug/l		98
79) 2-Chlorotoluene	11.360	91	72587	19.016 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82627	19.276 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8026	17.256 ug/l		93
82) 4-Chlorotoluene	11.451	91	80441	18.901 ug/l		99
83) tert-Butylbenzene	11.713	119	81916	19.303 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	83790	19.476 ug/l		99
85) sec-Butylbenzene	11.890	105	100614	19.303 ug/l		100
86) p-Isopropyltoluene	12.006	119	82019	19.086 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41097	18.850 ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	42067	19.032 ug/l		98
89) n-Butylbenzene	12.329	91	69149	18.556 ug/l		99
90) Hexachloroethane	12.536	117	13478	18.250 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41989	19.371 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7494	19.678 ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22029	18.258 ug/l		98
94) Hexachlorobutadiene	13.725	225	9827	18.901 ug/l		98
95) Naphthalene	13.774	128	86221	19.203 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23835	18.866 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

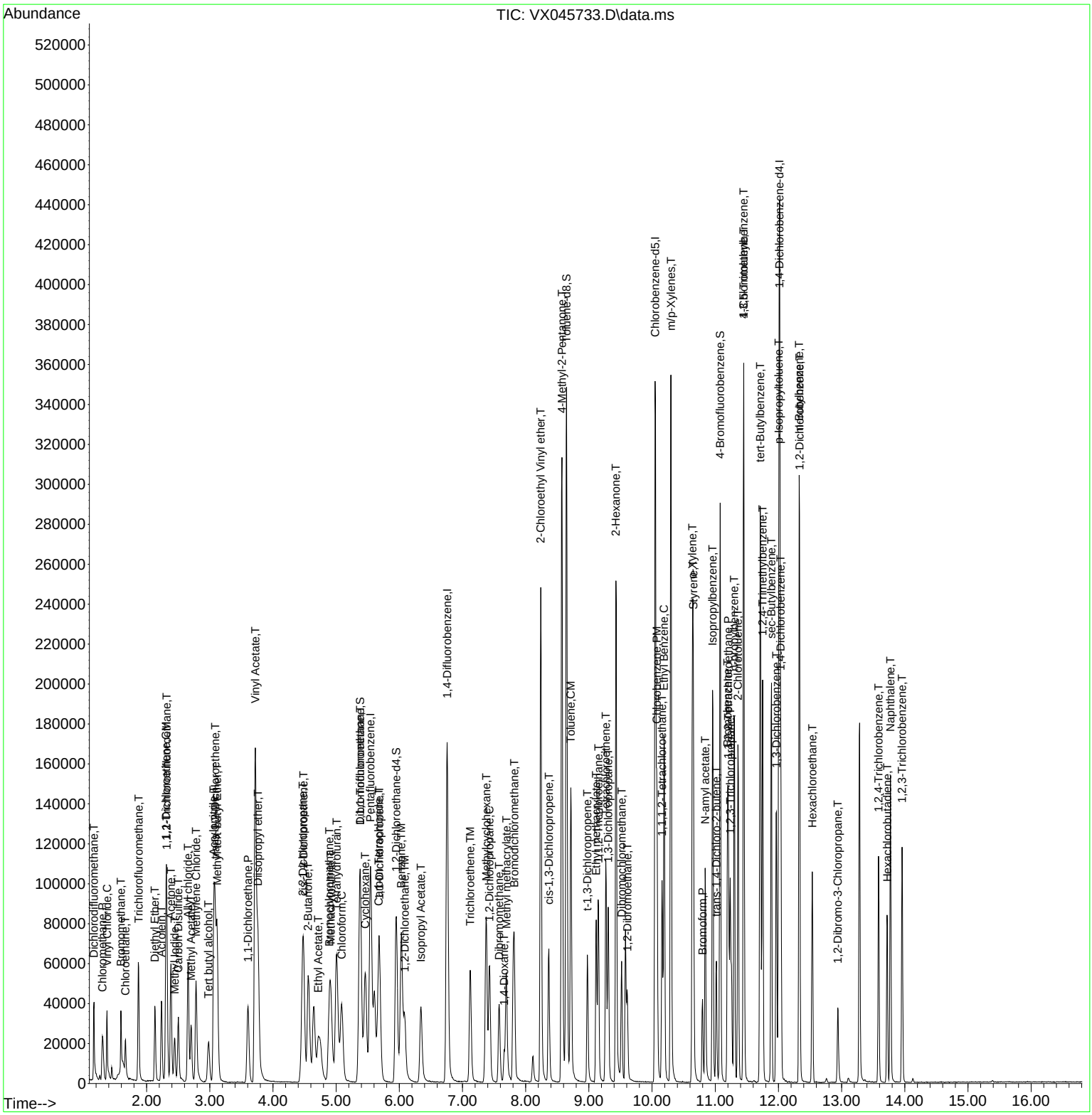
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Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

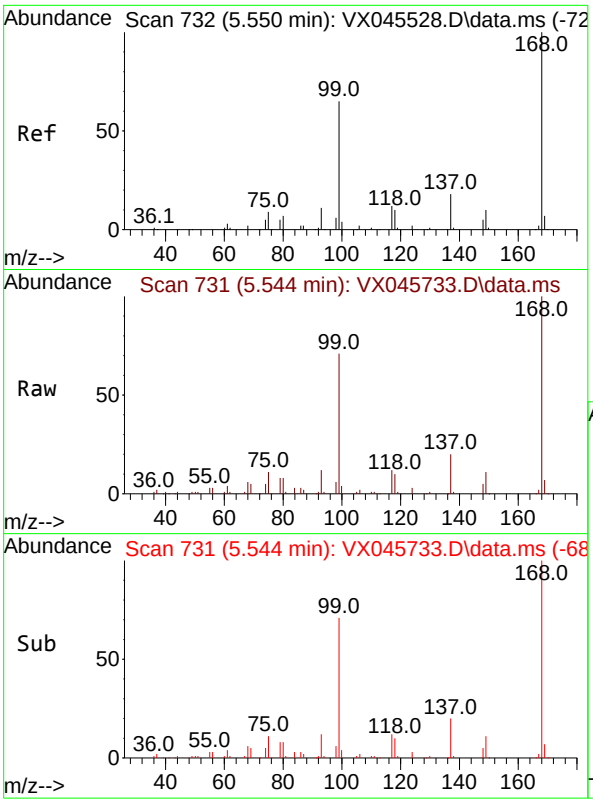
Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
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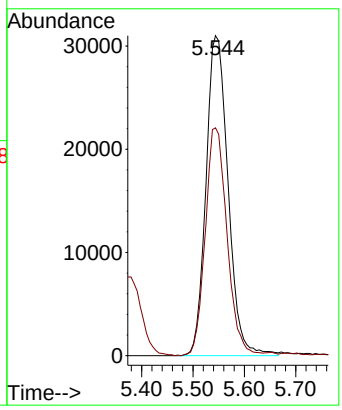




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:168 Resp: 9254

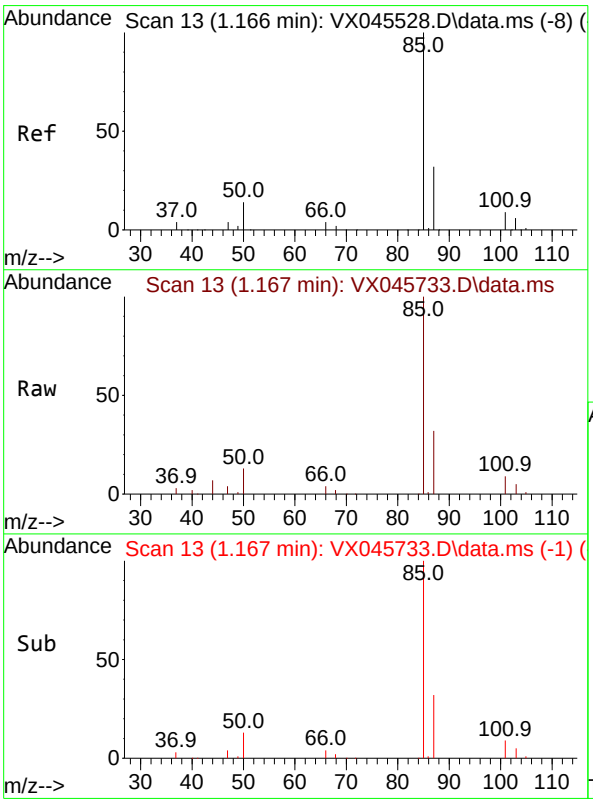
Ion	Ratio	Lower	Upper
168	100		
99	71.0	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

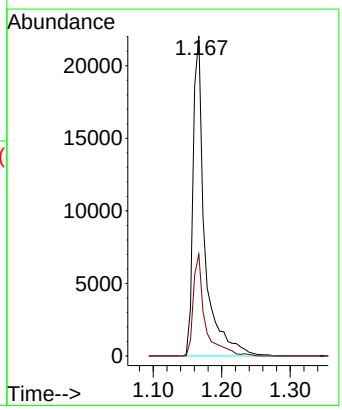
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

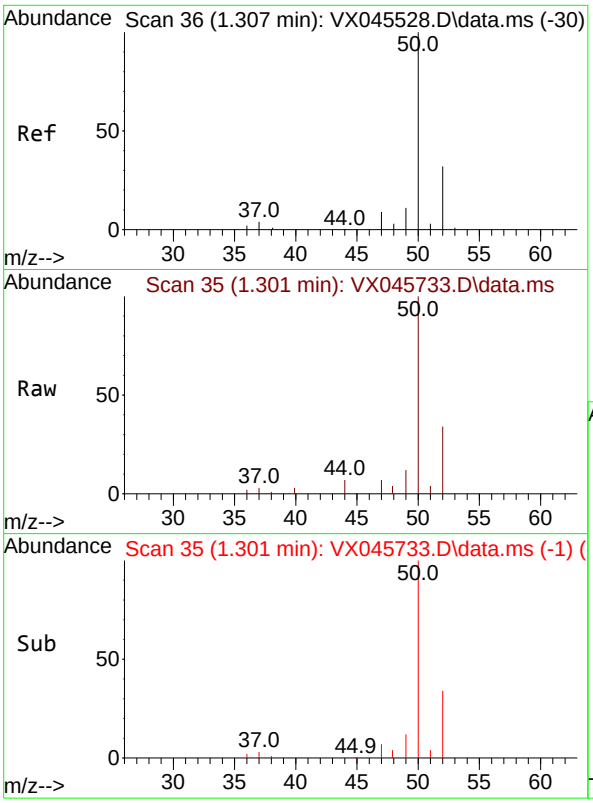


#2
Dichlorodifluoromethane
Concen: 18.989 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 85 Resp: 26280

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.1	48.2

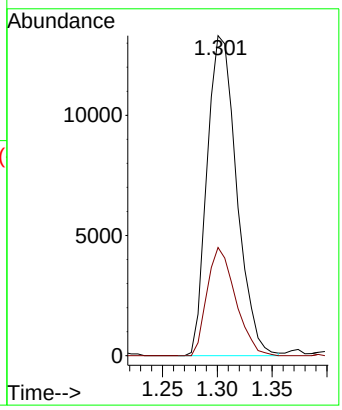




#3
Chloromethane
Concen: 17.604 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 50 Resp: 2502

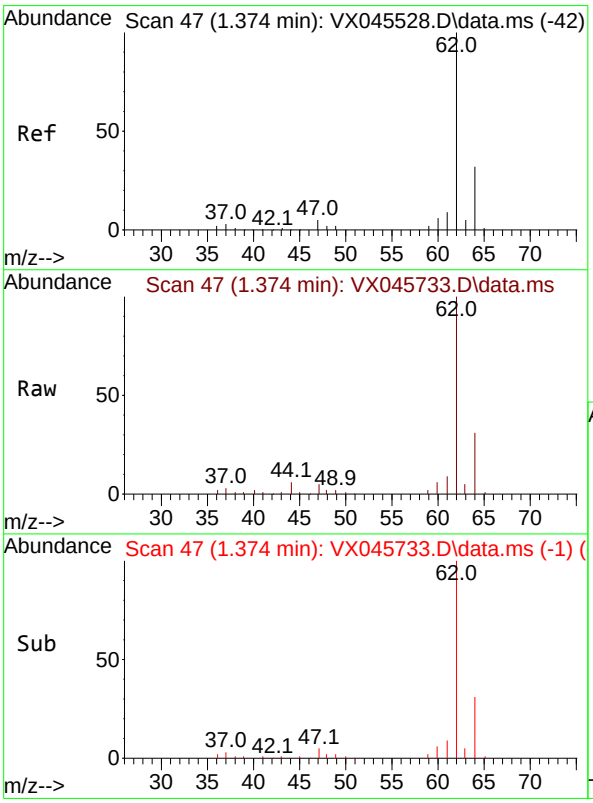
Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

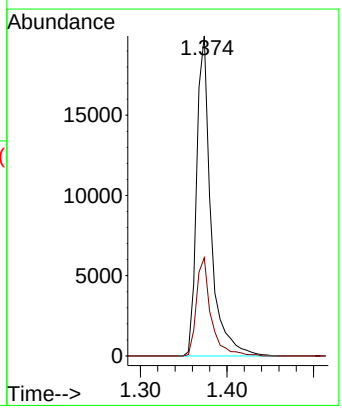
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

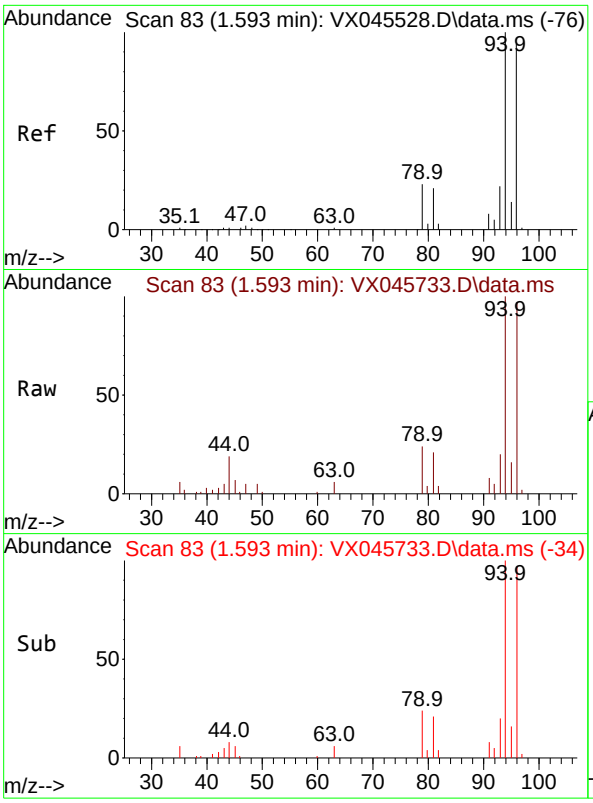


#4
Vinyl Chloride
Concen: 17.471 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 22732

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3

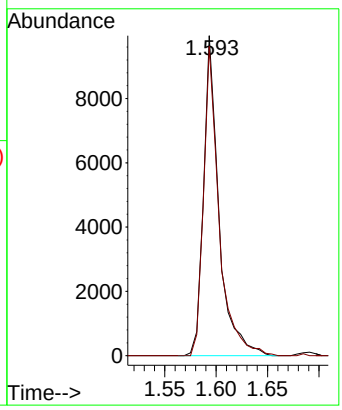




#5
Bromomethane
Concen: 16.809 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 94 Resp: 1037

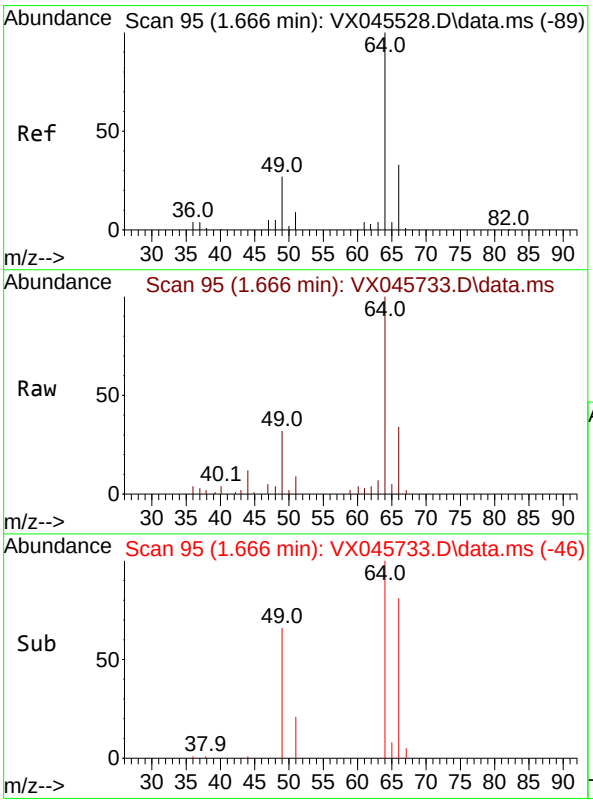
Ion	Ratio	Lower	Upper
94	100		
96	96.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

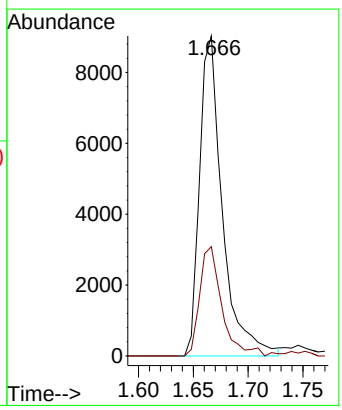
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

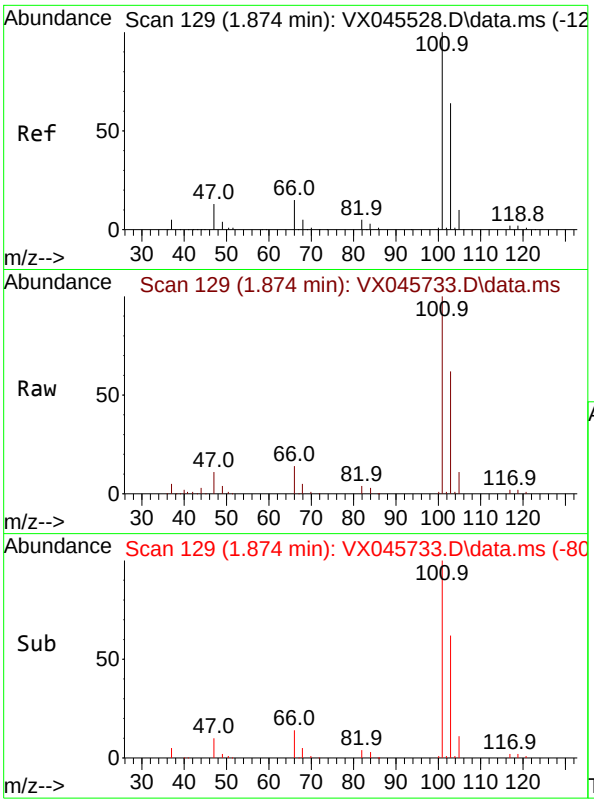


#6
Chloroethane
Concen: 18.906 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 64 Resp: 13051

Ion	Ratio	Lower	Upper
64	100		
66	34.1	26.3	39.5





#7
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

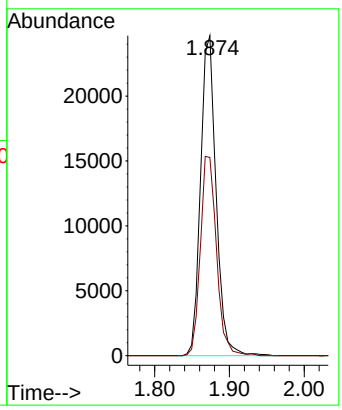
Tgt Ion:101 Resp: 3560

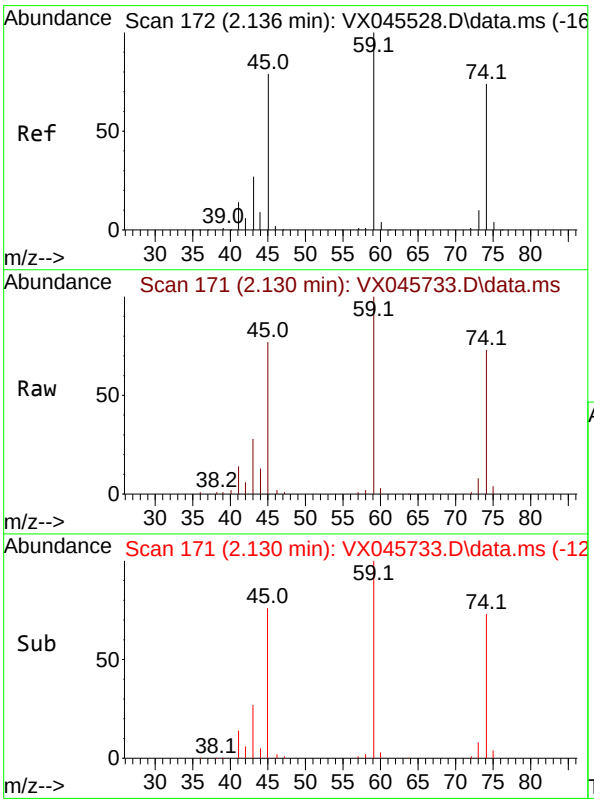
Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.1	76.7

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

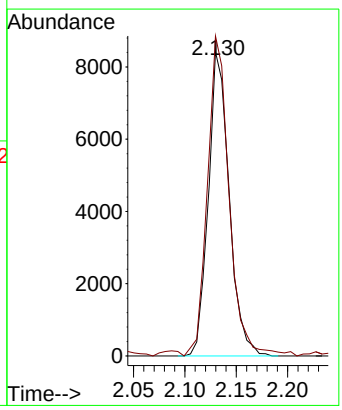


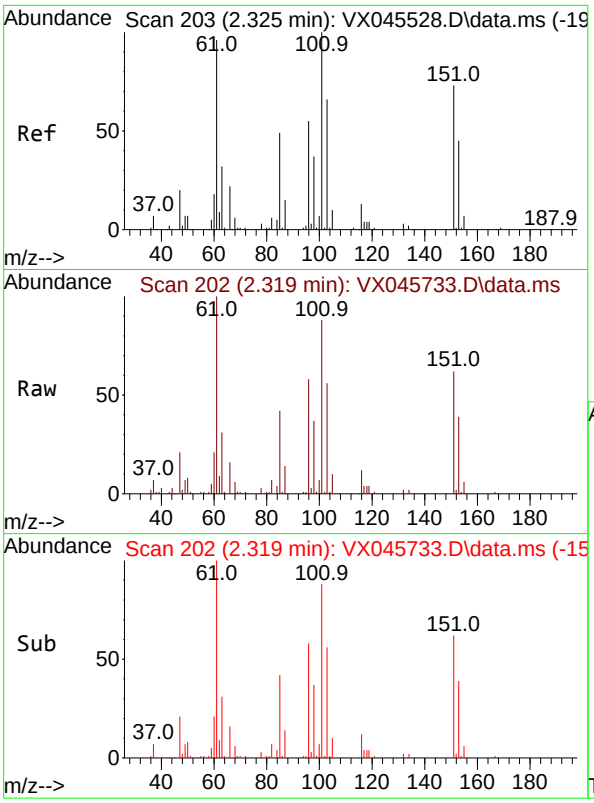


#8
Diethyl Ether
Concen: 18.247 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 74 Resp: 11886

Ion	Ratio	Lower	Upper
74	100		
45	109.2	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.558 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

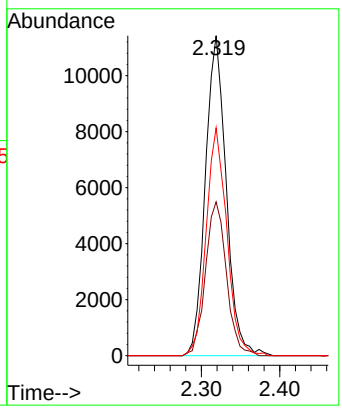
Tgt Ion:101 Resp: 2109

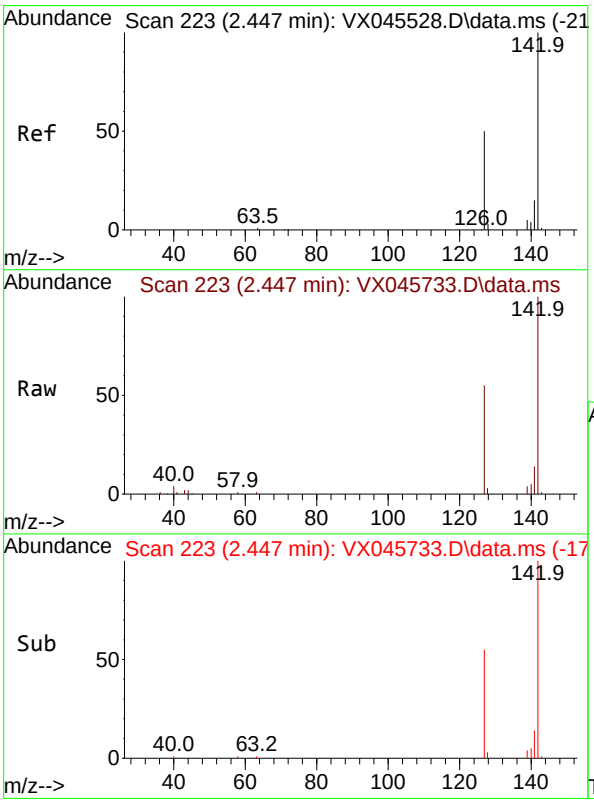
Ion	Ratio	Lower	Upper
101	100		
85	48.5	38.9	58.3
151	70.6	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

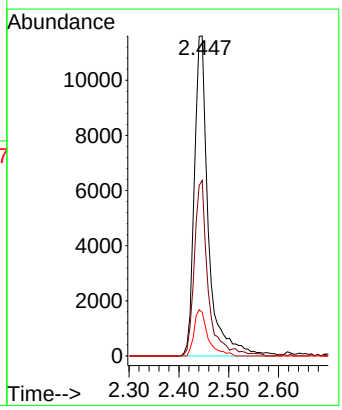


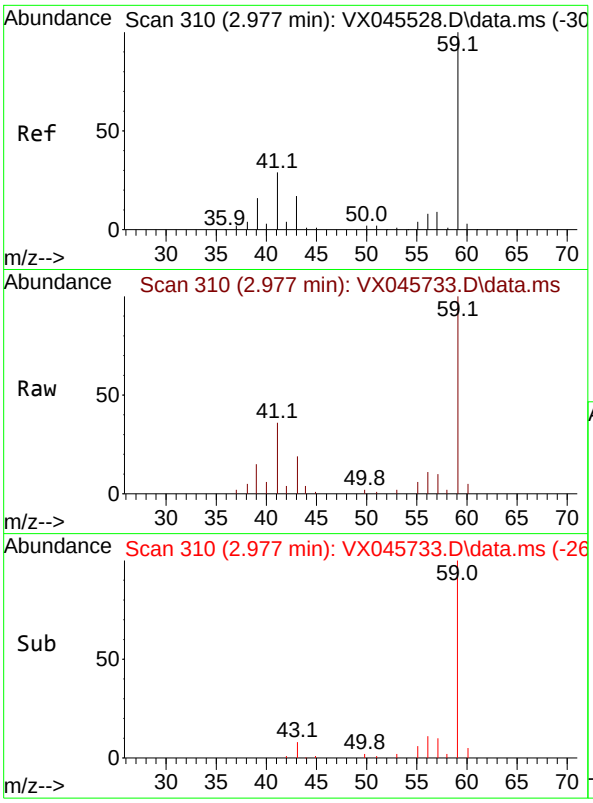


#10
Methyl Iodide
Concen: 16.123 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:142 Resp: 22864

Ion	Ratio	Lower	Upper
142	100		
127	53.7	40.2	60.4
141	14.1	11.7	17.5





#11
Tert butyl alcohol
Concen: 97.136 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

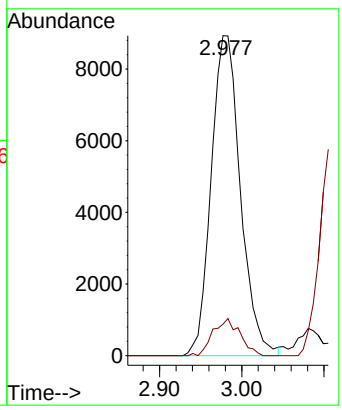
Tgt Ion: 59 Resp: 2209

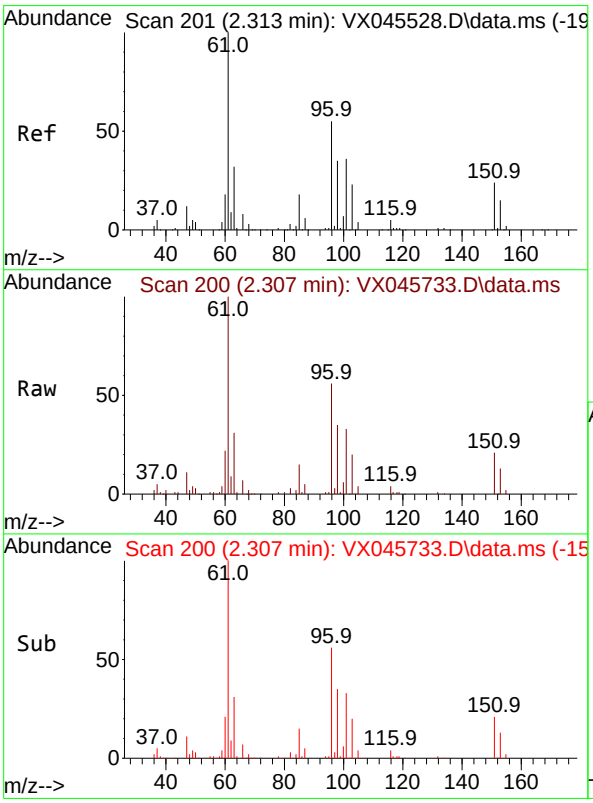
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

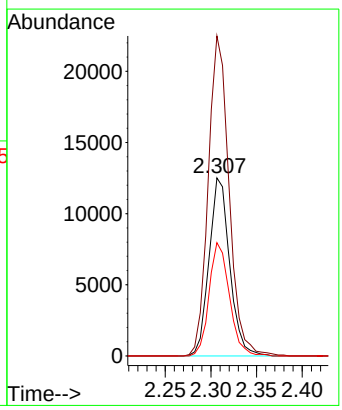


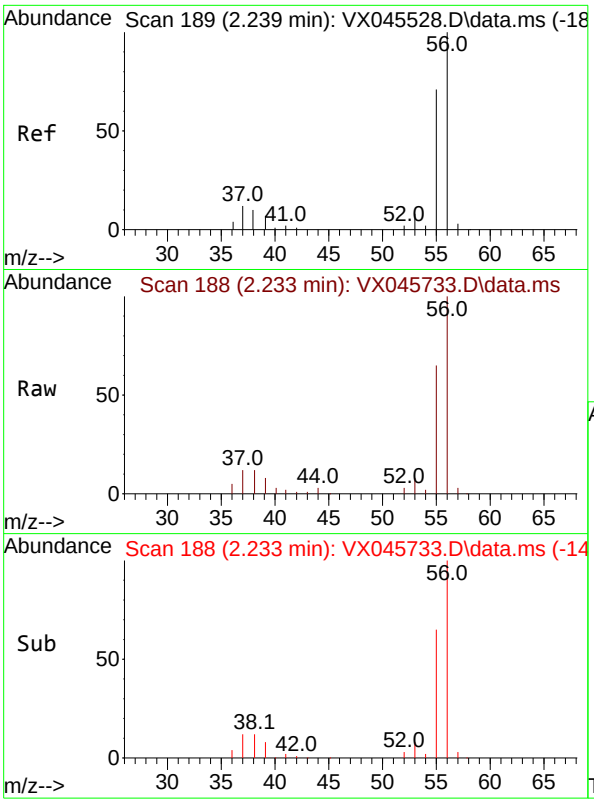


#12
1,1-Dichloroethene
Concen: 17.674 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 19635

Ion	Ratio	Lower	Upper
96	100		
61	179.8	145.7	218.5
98	63.6	51.6	77.4

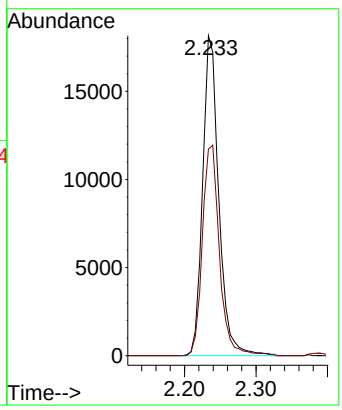




#13
Acrolein
Concen: 90.896 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 56 Resp: 2846

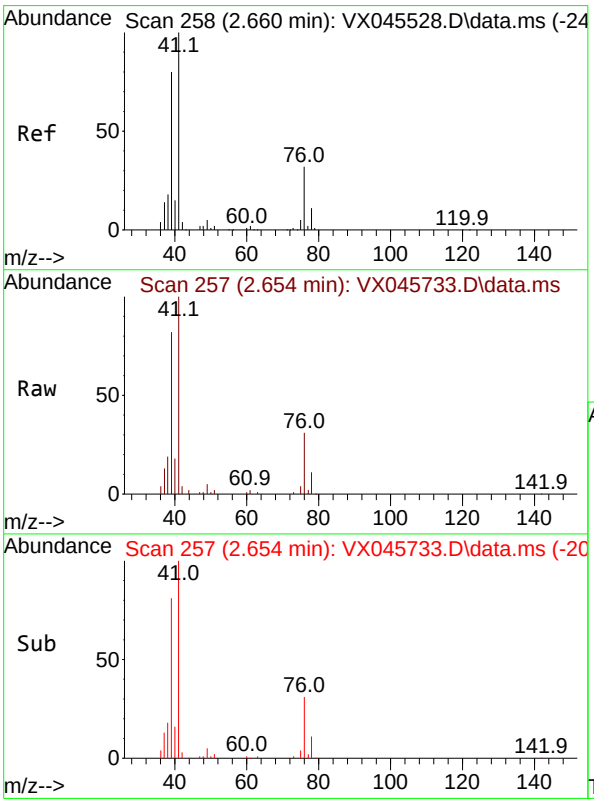
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

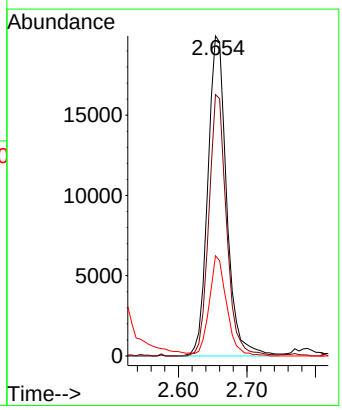
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

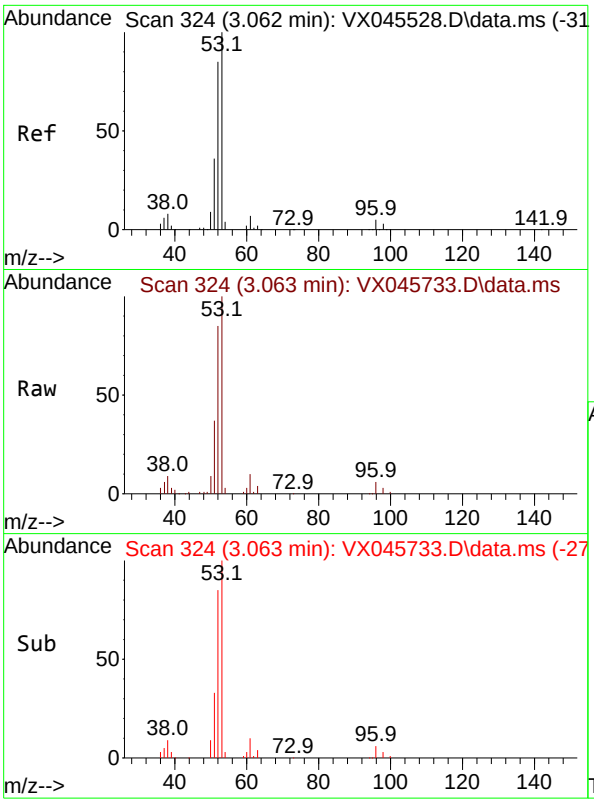


#14
Allyl chloride
Concen: 18.112 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 38178

Ion	Ratio	Lower	Upper
41	100		
39	76.7	60.2	90.2
76	28.9	24.6	36.8

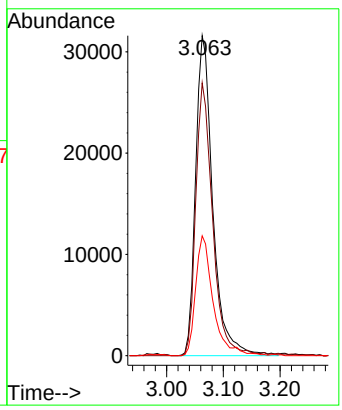




#15
Acrylonitrile
Concen: 92.831 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 53 Resp: 6664

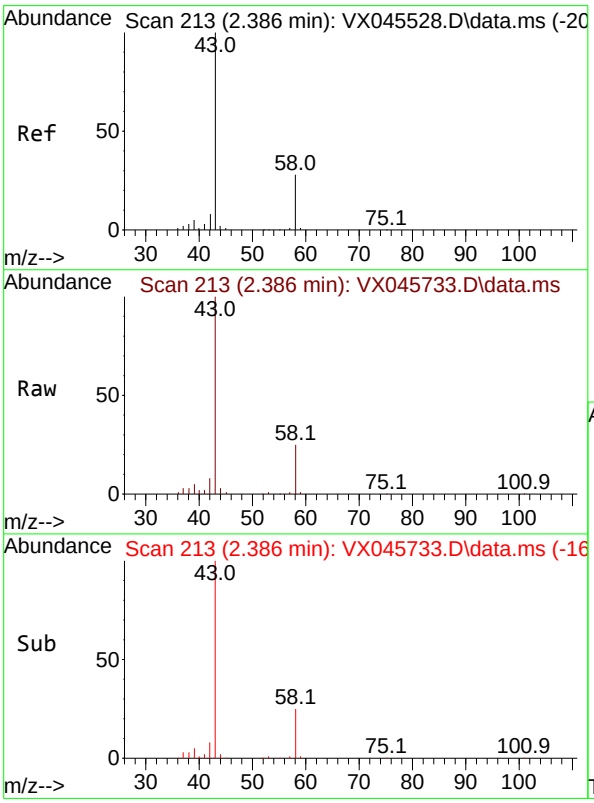
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	38.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

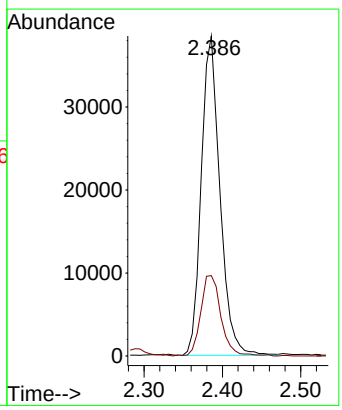
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

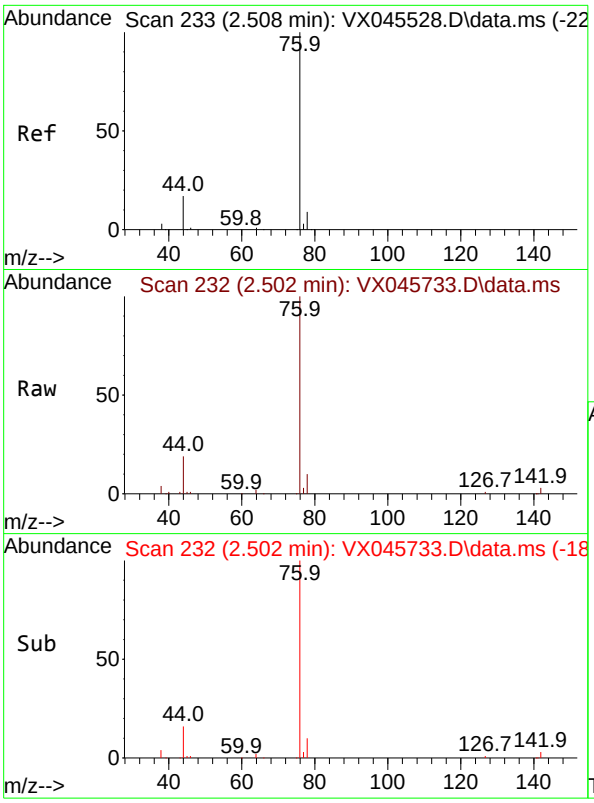


#16
Acetone
Concen: 91.531 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 63606

Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.3	33.5





#17
Carbon Disulfide
Concen: 14.238 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

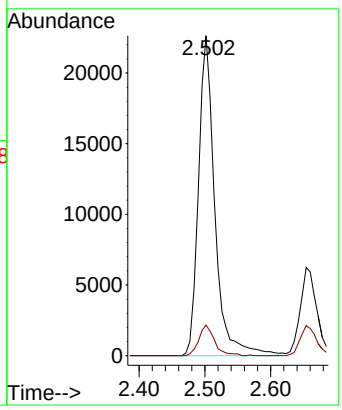
Tgt Ion: 76 Resp: 3906

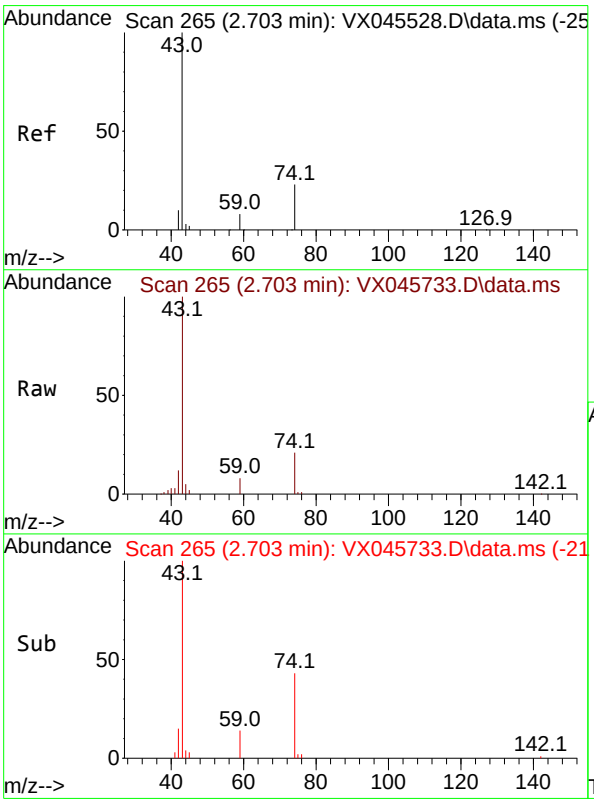
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

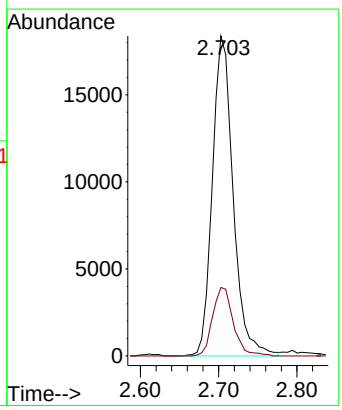


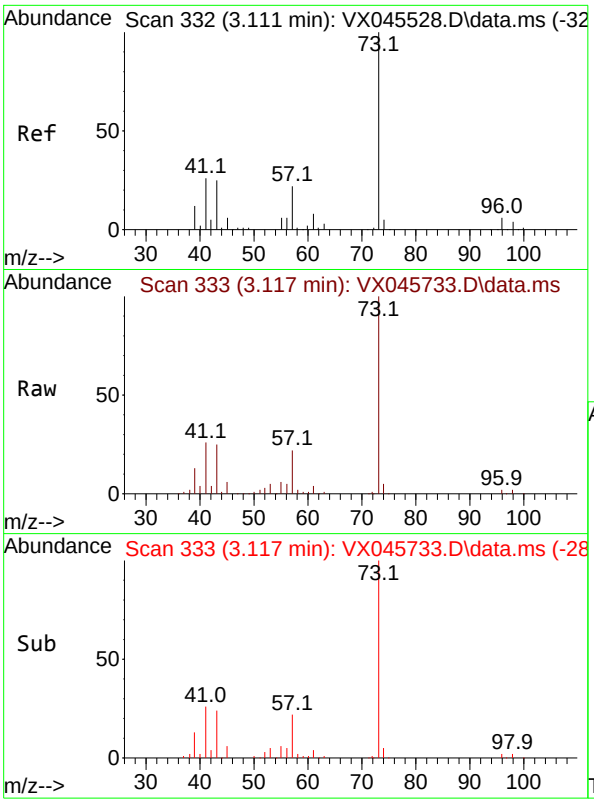


#18
Methyl Acetate
Concen: 21.198 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 33915

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3





#19
Methyl tert-butyl Ether
Concen: 18.604 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

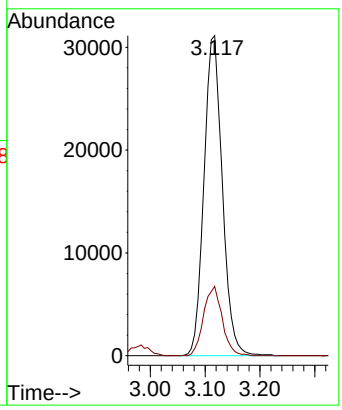
Tgt Ion: 73 Resp: 7230

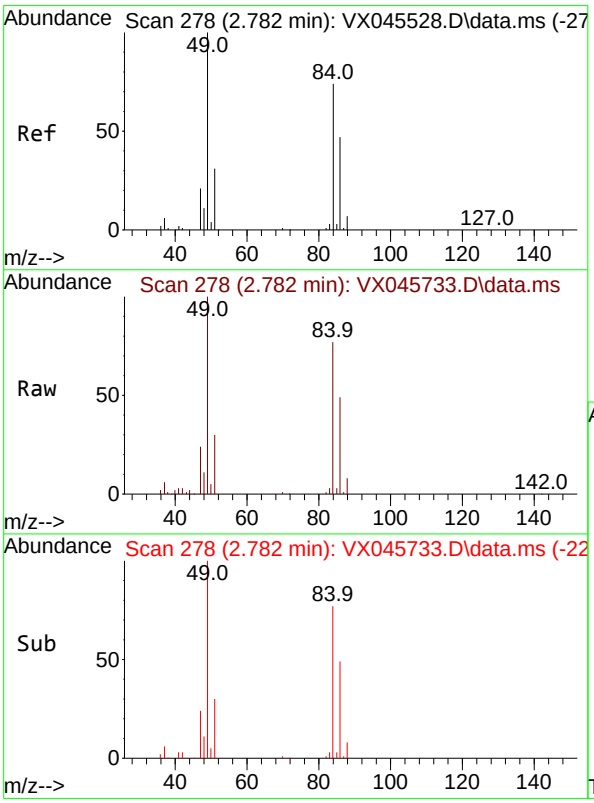
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

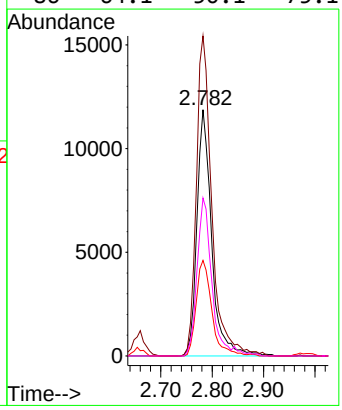


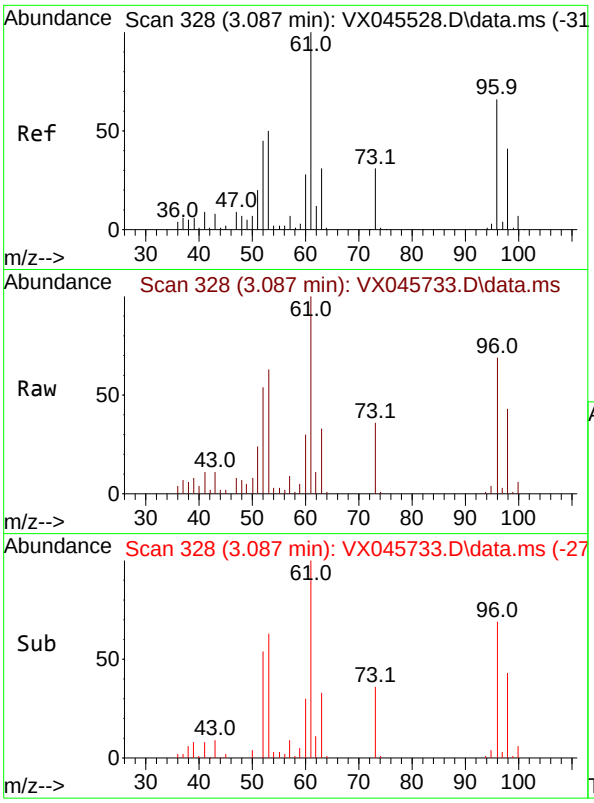


#20
Methylene Chloride
Concen: 18.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 84 Resp: 23691

Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.5	161.3
51	38.8	33.0	49.6
86	64.1	50.1	75.1

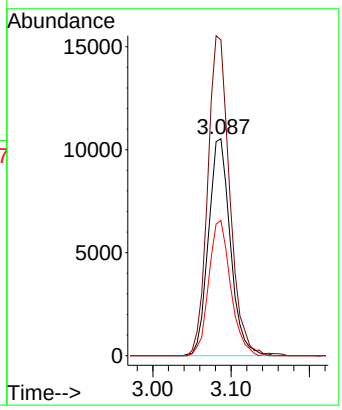




#21
trans-1,2-Dichloroethene
Concen: 17.998 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 2042

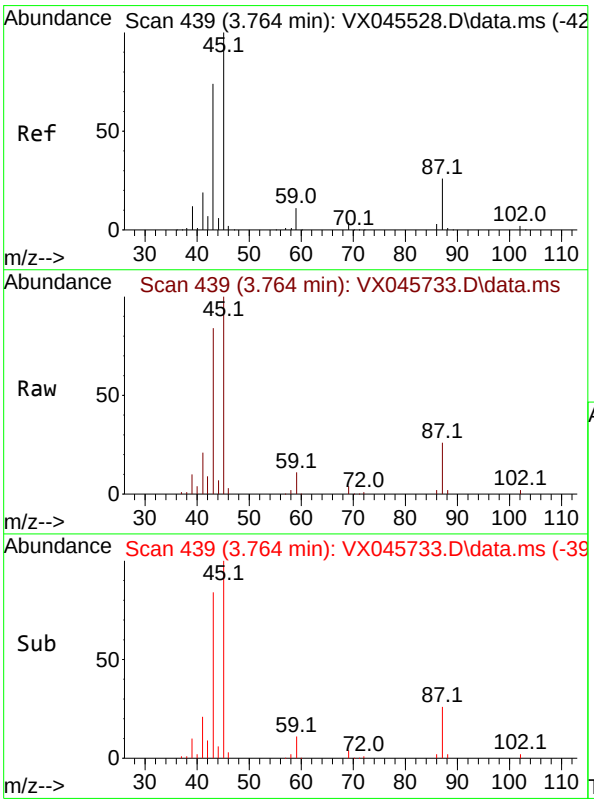
Ion	Ratio	Lower	Upper
96	100		
61	145.4	121.0	181.6
98	62.3	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

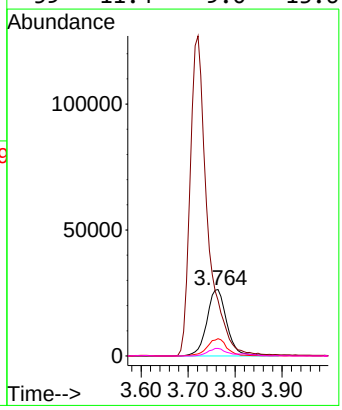
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

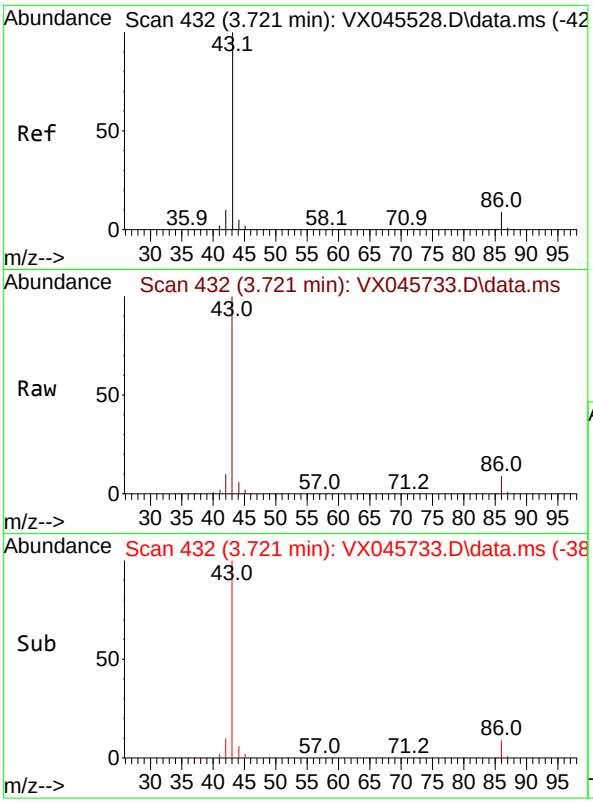


#22
Diisopropyl ether
Concen: 18.751 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 45 Resp: 77857

Ion	Ratio	Lower	Upper
45	100		
43	82.9	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6





#23
Vinyl Acetate
Concen: 92.267 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

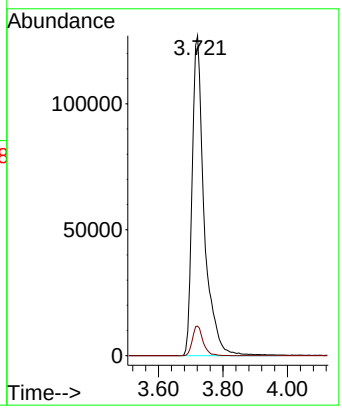
Tgt Ion: 43 Resp: 33100

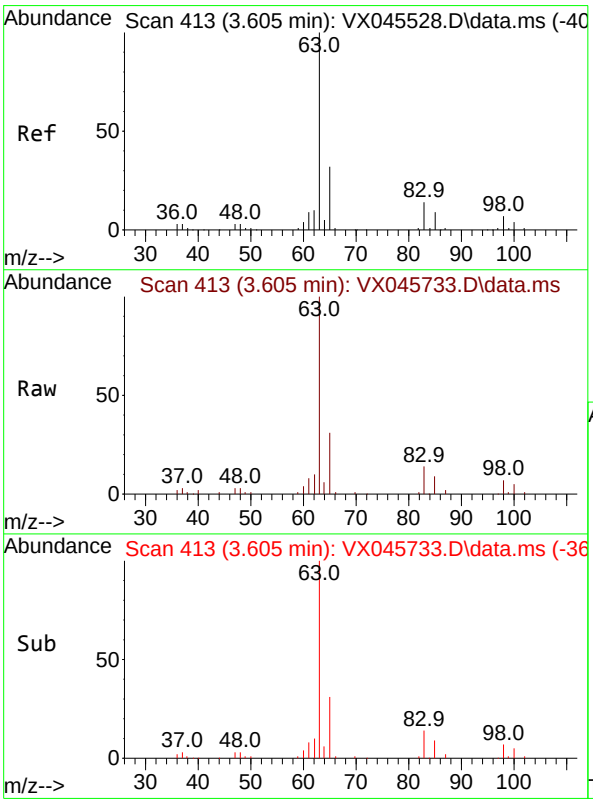
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

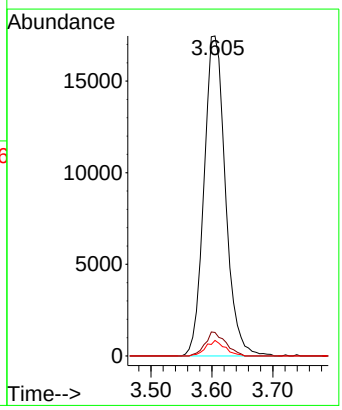


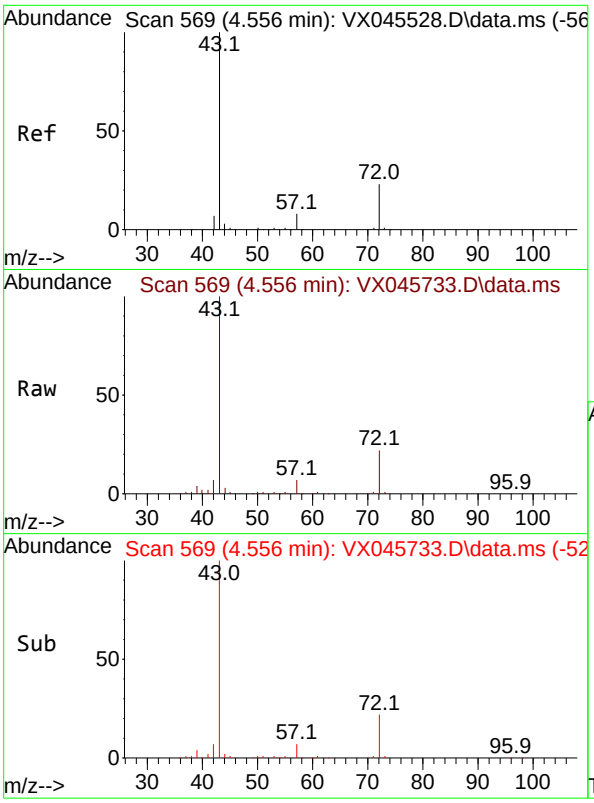


#24
1,1-Dichloroethane
Concen: 18.152 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 42626

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.9	2.2	6.6

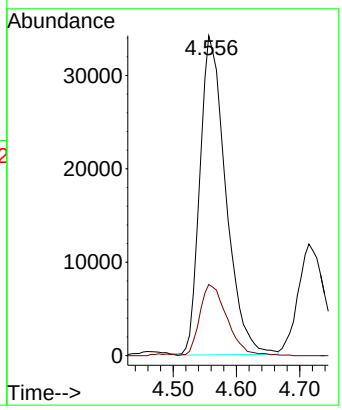




#25
2-Butanone
Concen: 95.593 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 9723

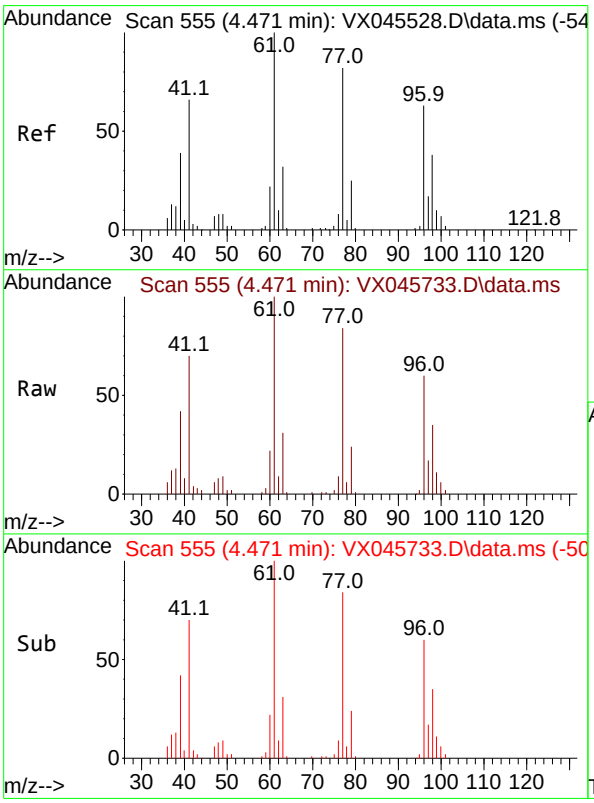
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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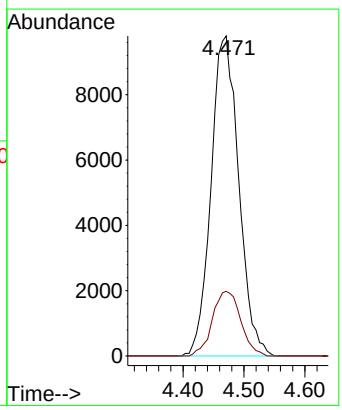
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

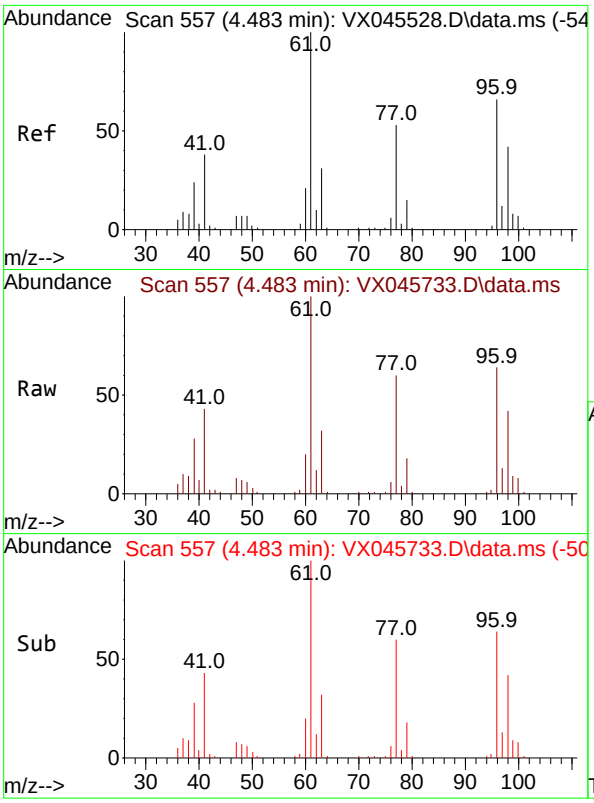


#26
2,2-Dichloropropane
Concen: 20.371 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 77 Resp: 30907

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.6	31.8

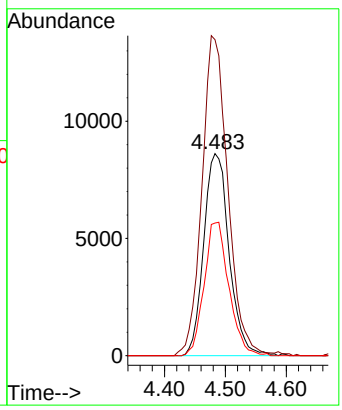




#27
cis-1,2-Dichloroethene
Concen: 18.048 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 2495

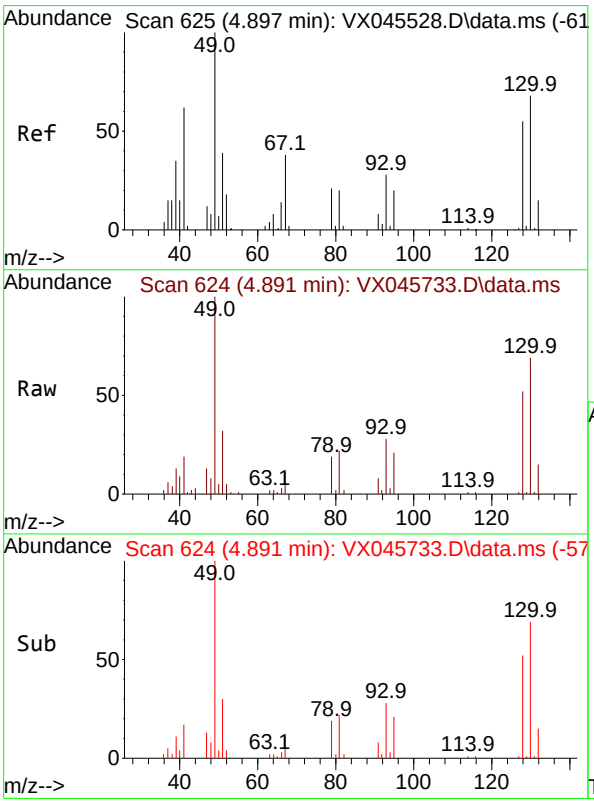
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	313.2
98	64.3	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

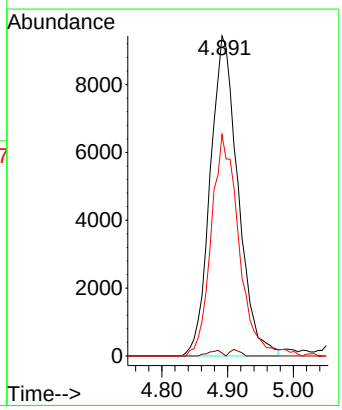
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

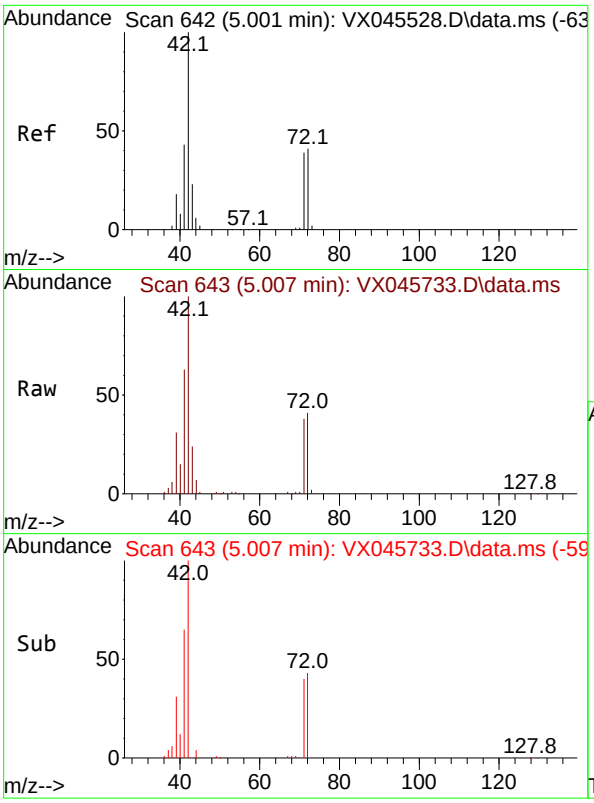


#28
Bromochloromethane
Concen: 24.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 49 Resp: 27754

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	69.0	54.6	81.8





#29
Tetrahydrofuran
Concen: 92.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

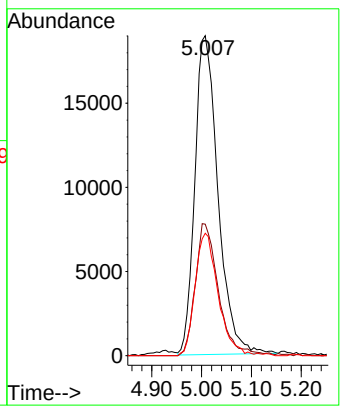
Tgt Ion: 42 Resp: 6119

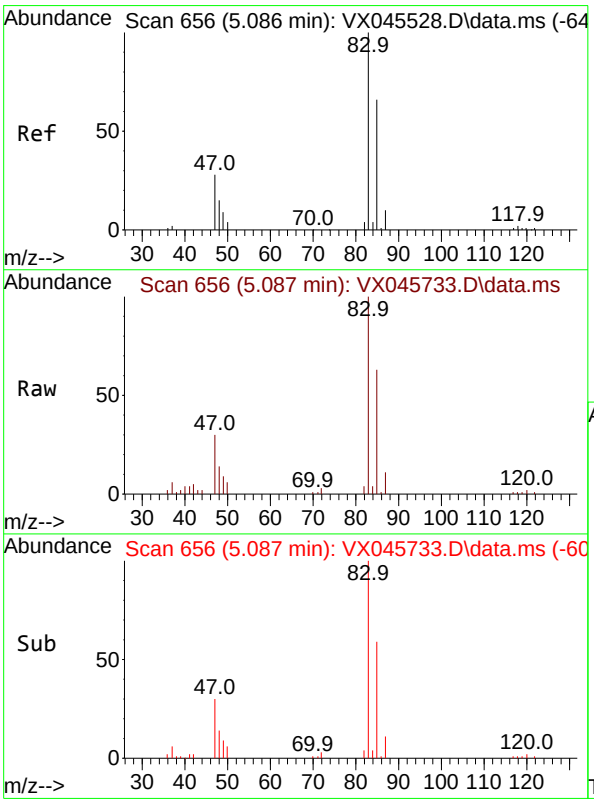
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.4	50.0
71	38.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

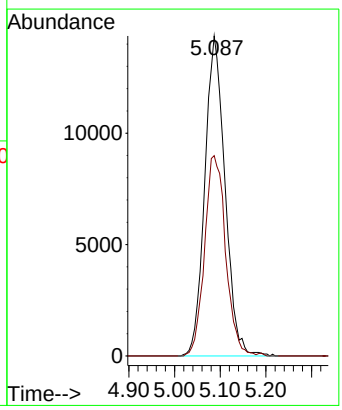


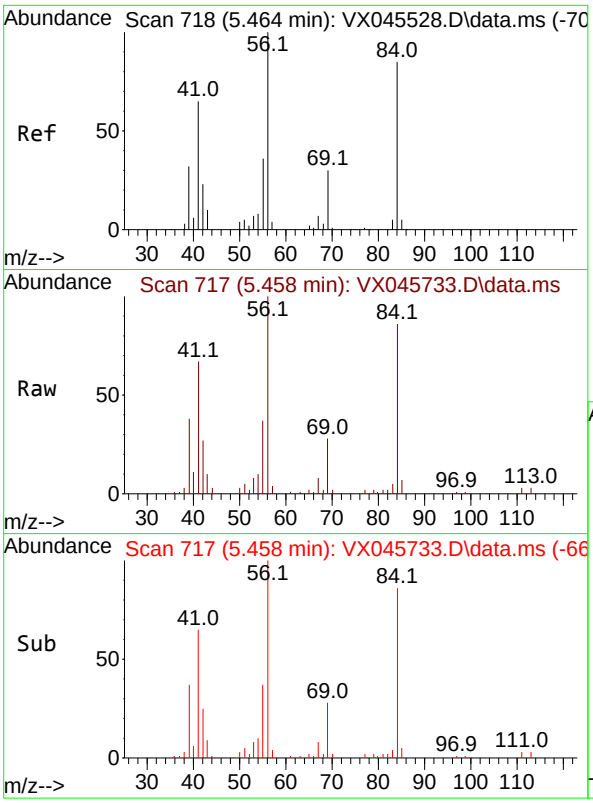


#30
Chloroform
Concen: 18.263 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 44128

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2

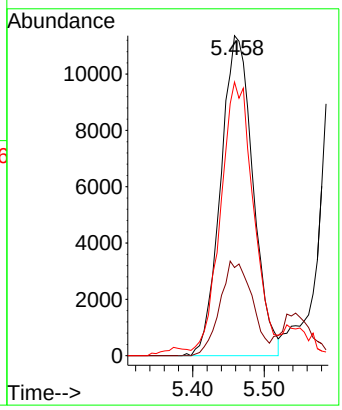




#31
Cyclohexane
Concen: 17.184 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 56 Resp: 3567

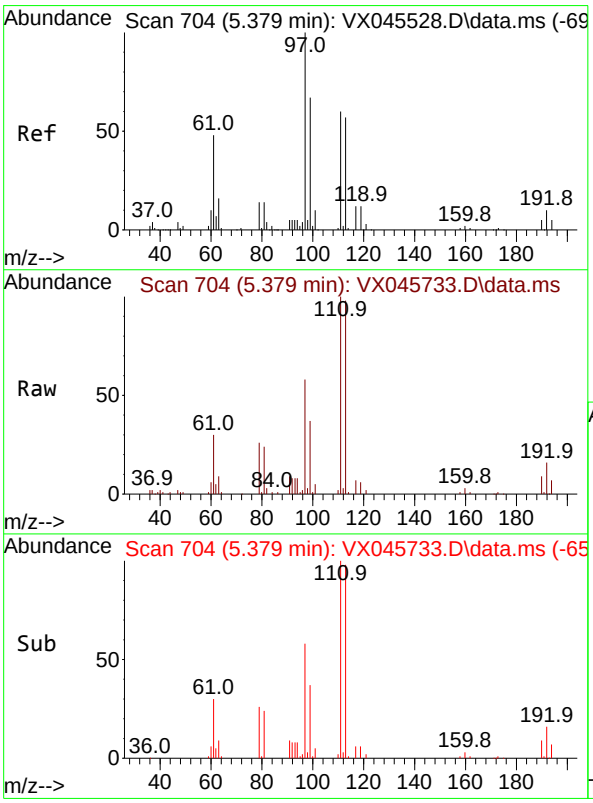
Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.6	35.4
84	83.2	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

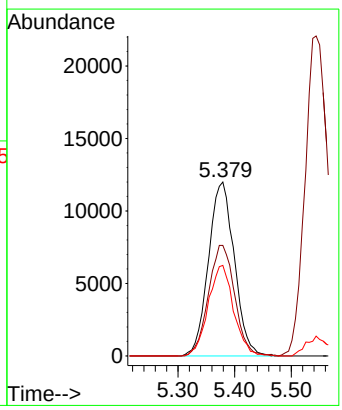
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

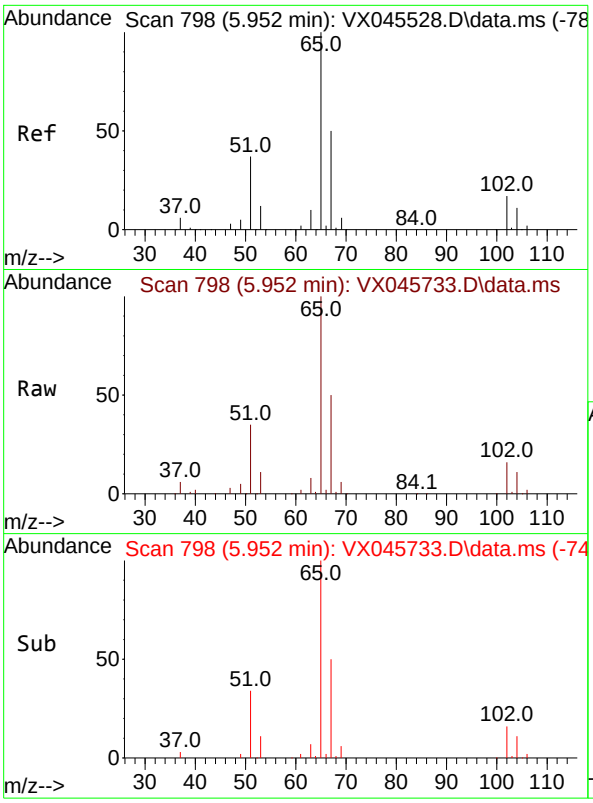


#32
1,1,1-Trichloroethane
Concen: 18.583 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 97 Resp: 37994

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	51.2	41.0	61.4

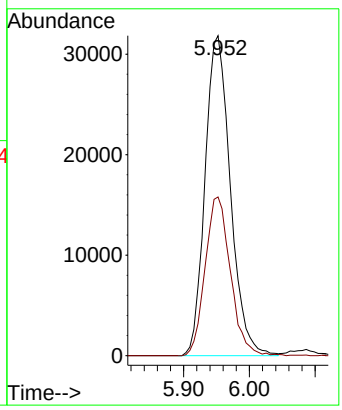




#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 65 Resp: 8543

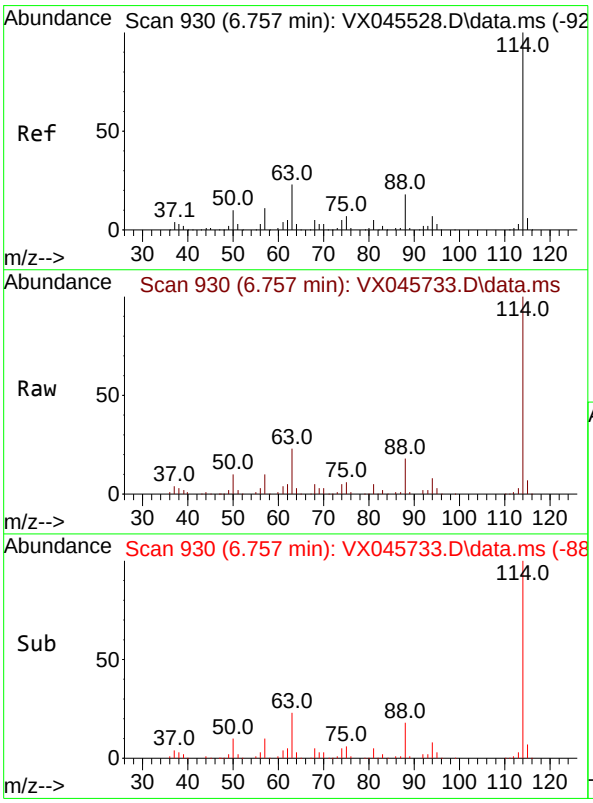
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

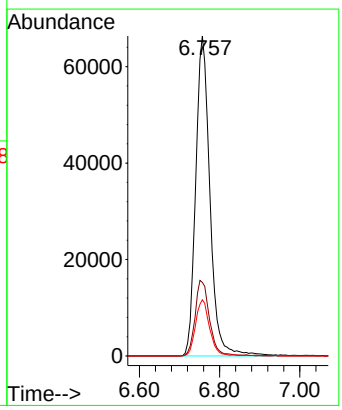
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

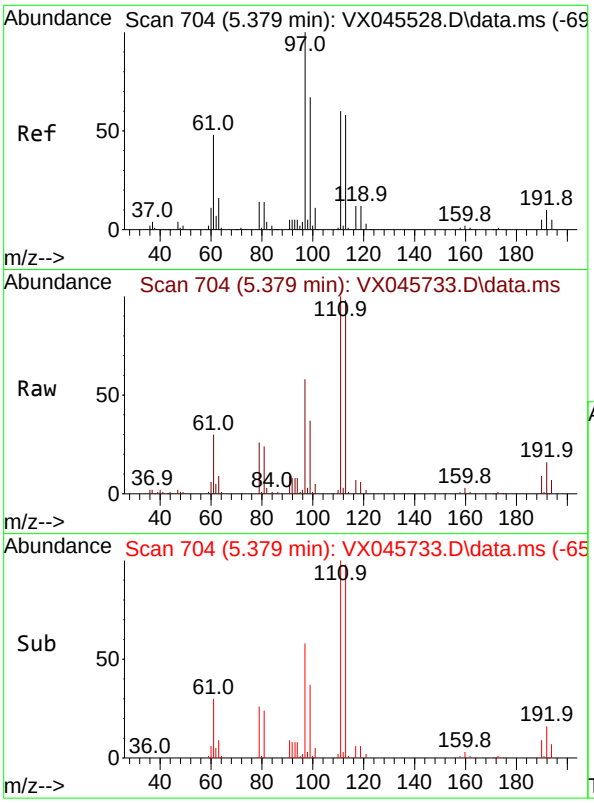


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:114 Resp: 163903

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	46.8
88	17.5	0.0	35.4

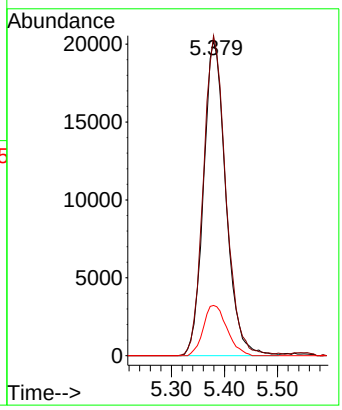




#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:113 Resp: 5890

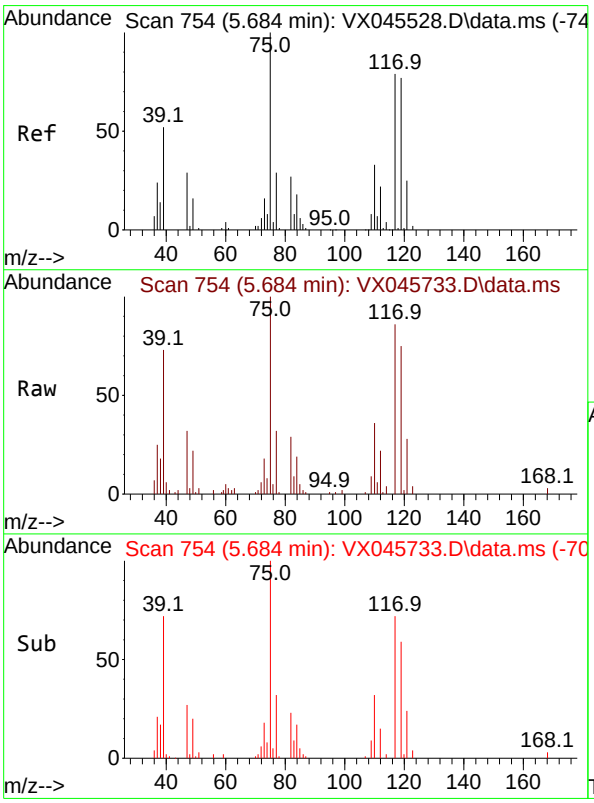
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.0	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

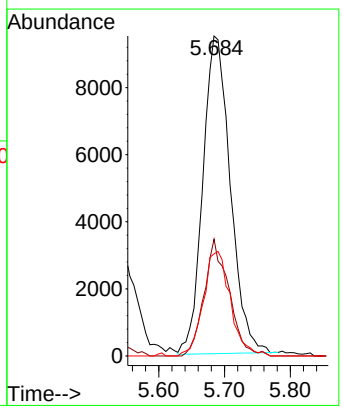
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

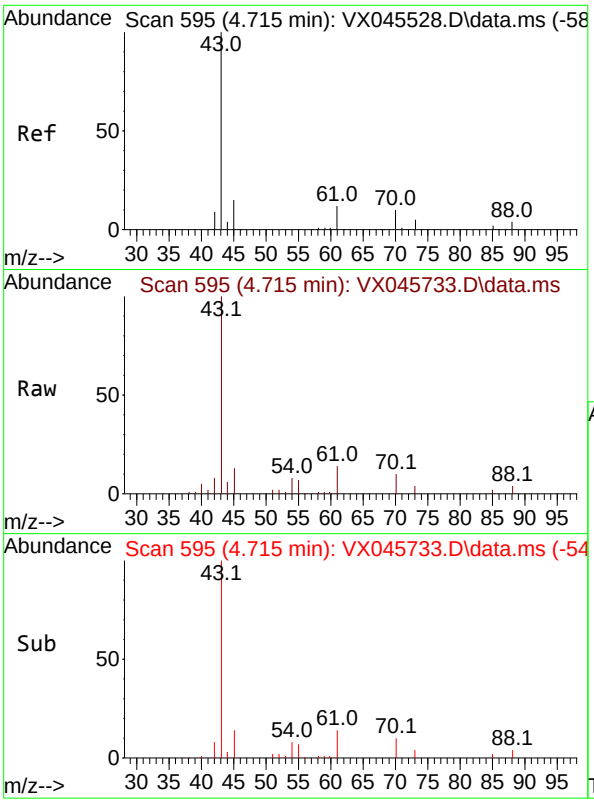


#36
1,1-Dichloropropene
Concen: 17.539 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 27539

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	32.4	25.0	37.4

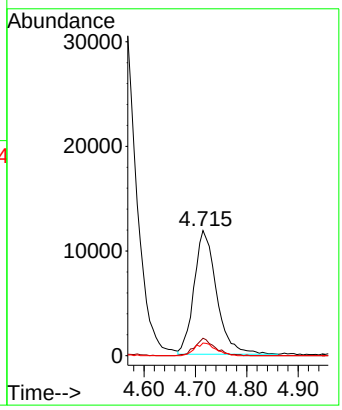




#37
Ethyl Acetate
Concen: 18.192 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 3599

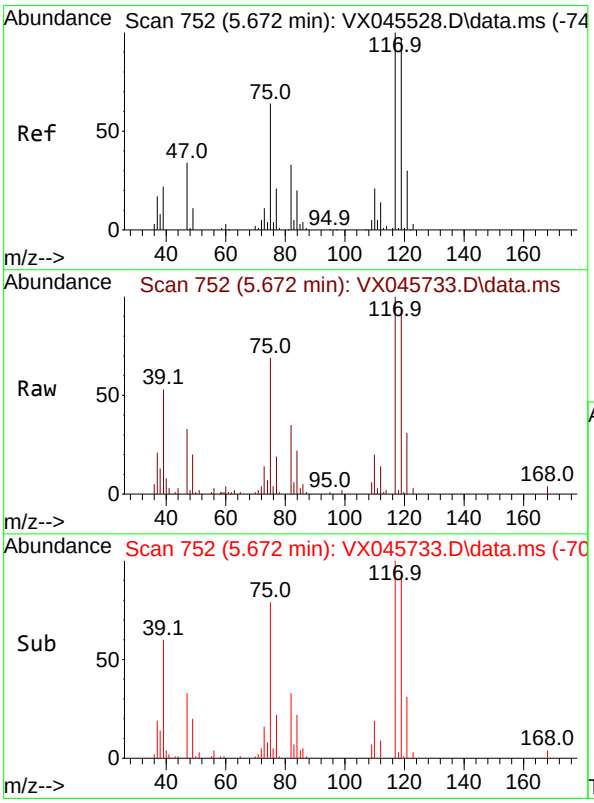
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

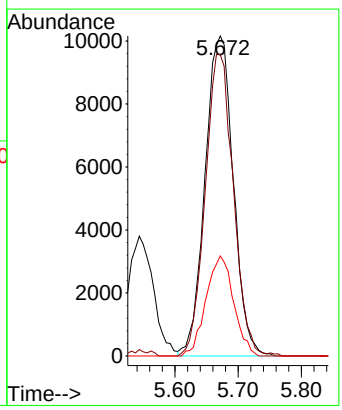
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

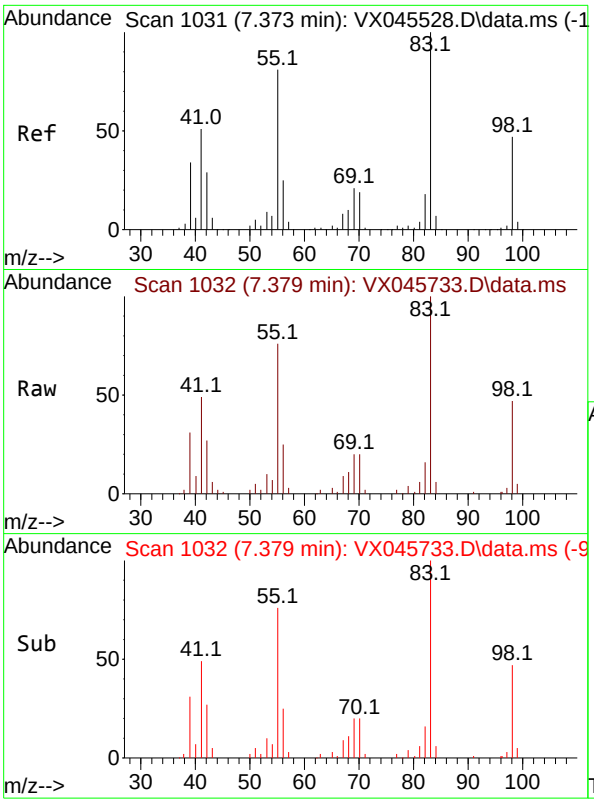


#38
Carbon Tetrachloride
Concen: 18.620 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 31597

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.9	115.3
121	31.2	24.2	36.2

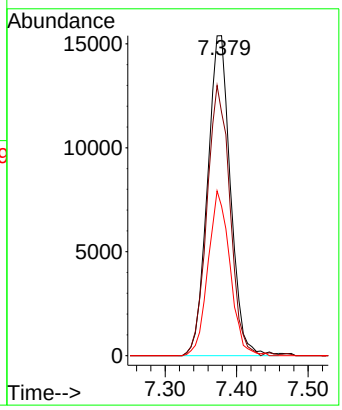




#39
Methylcyclohexane
Concen: 17.851 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3435

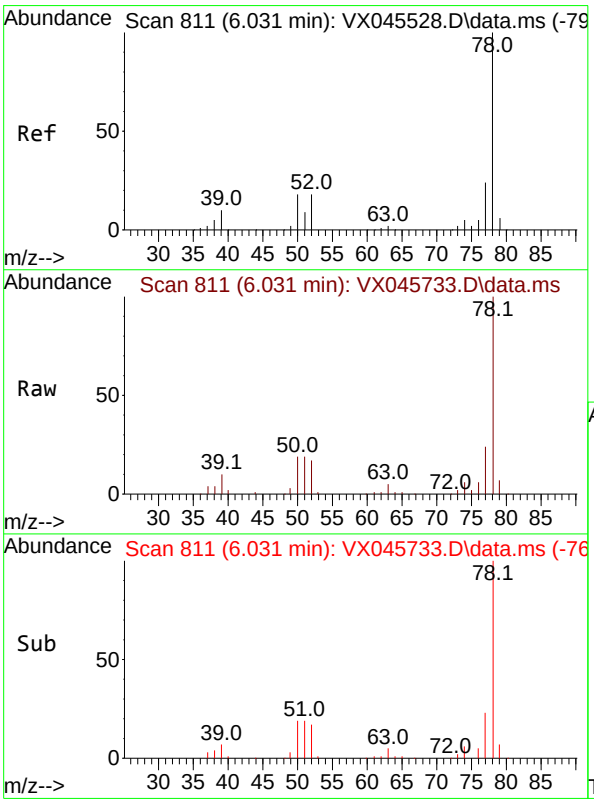
Ion	Ratio	Lower	Upper
83	100		
55	76.0	64.9	97.3
98	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

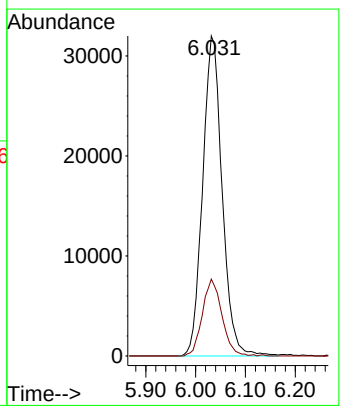
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

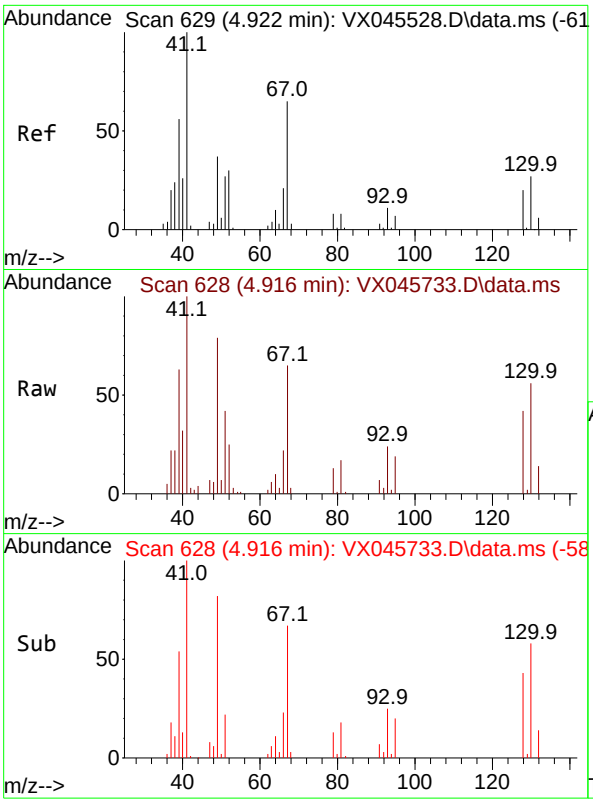


#40
Benzene
Concen: 18.126 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 78 Resp: 86923

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

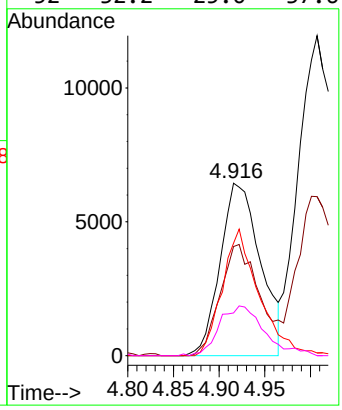




#41
Methacrylonitrile
Concen: 18.924 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 1975

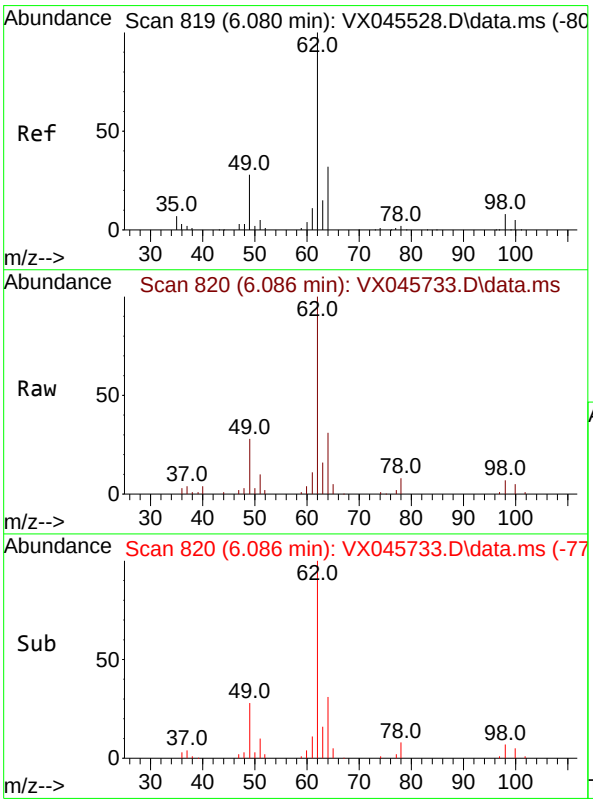
Ion	Ratio	Lower	Upper
41	100		
39	60.4	47.0	70.6
67	67.8	53.2	79.8
52	32.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

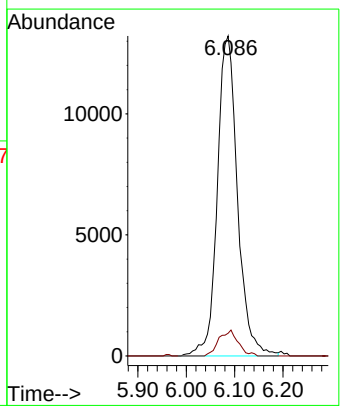
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

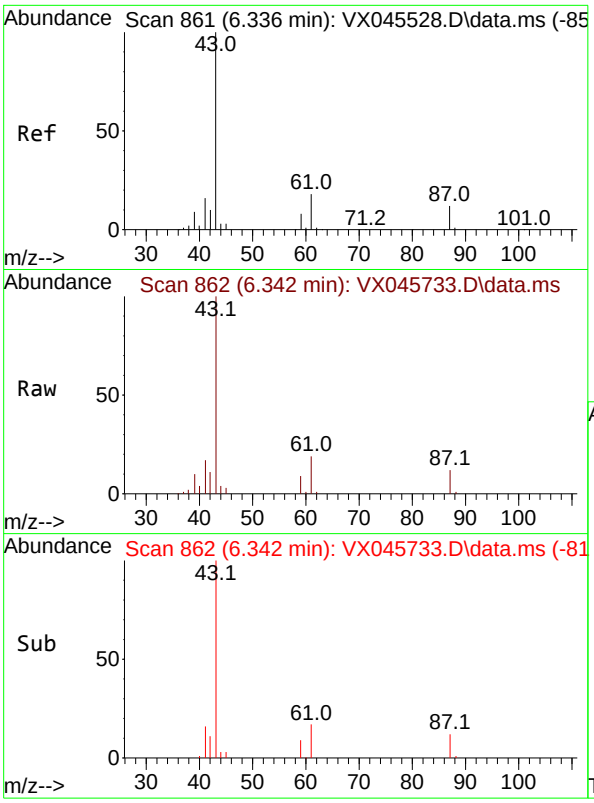


#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 38345

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43
Isopropyl Acetate
Concen: 18.864 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

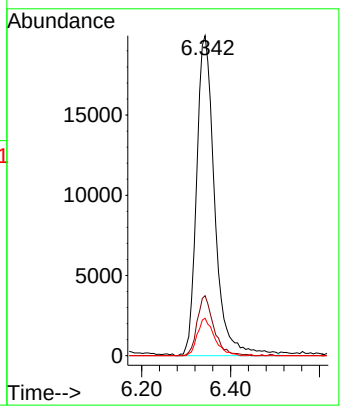
Tgt Ion: 43 Resp: 5657

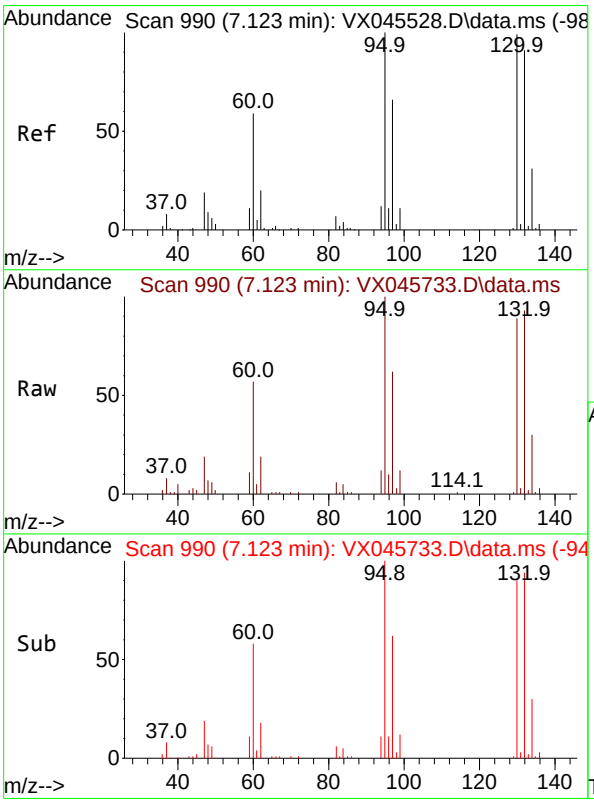
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
87	11.0	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

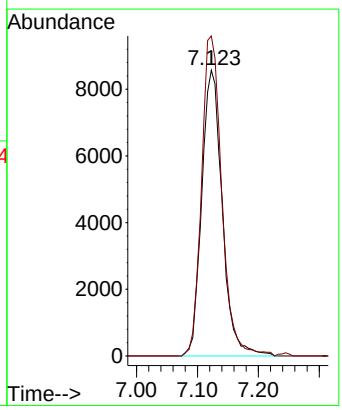


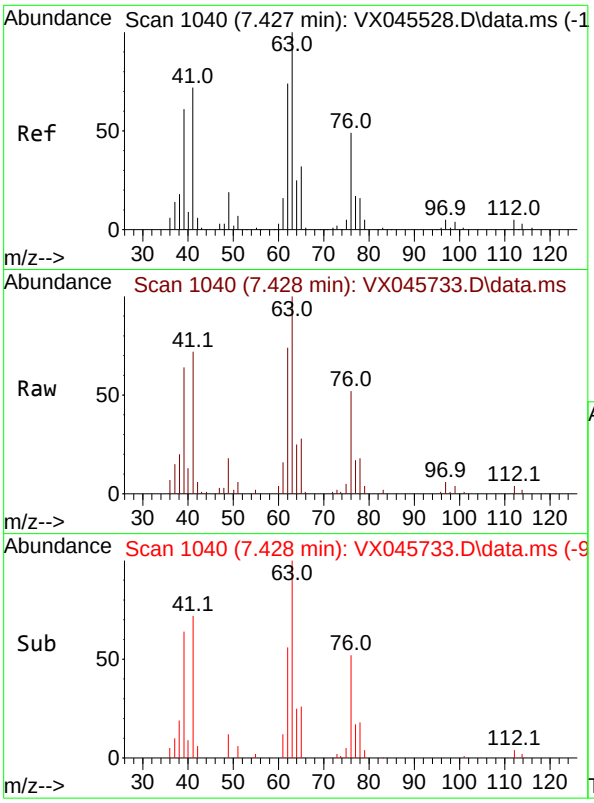


#44
Trichloroethene
Concen: 17.624 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:130 Resp: 20087

Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	202.0

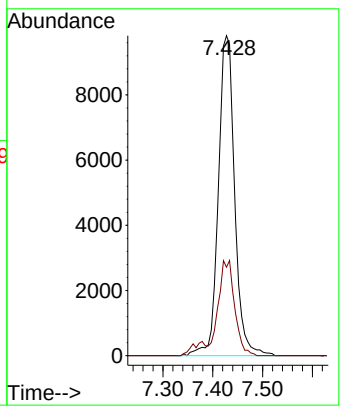




#45
1,2-Dichloropropane
Concen: 18.678 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 2234

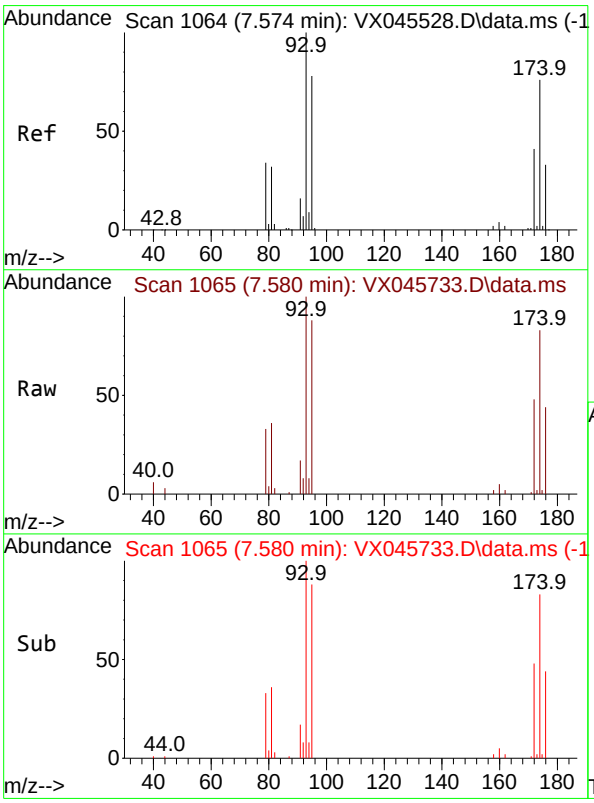
Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

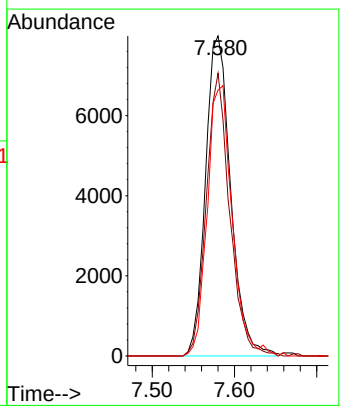
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

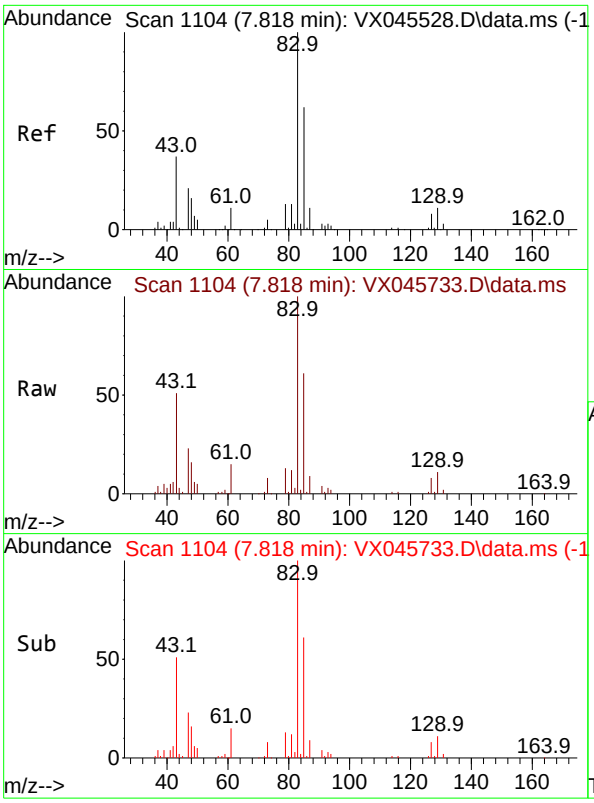


#46
Dibromomethane
Concen: 18.538 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 93 Resp: 17027

Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.8	97.2
174	83.5	65.4	98.0

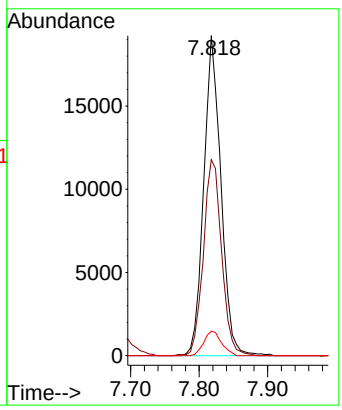




#47
Bromodichloromethane
Concen: 18.321 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3360

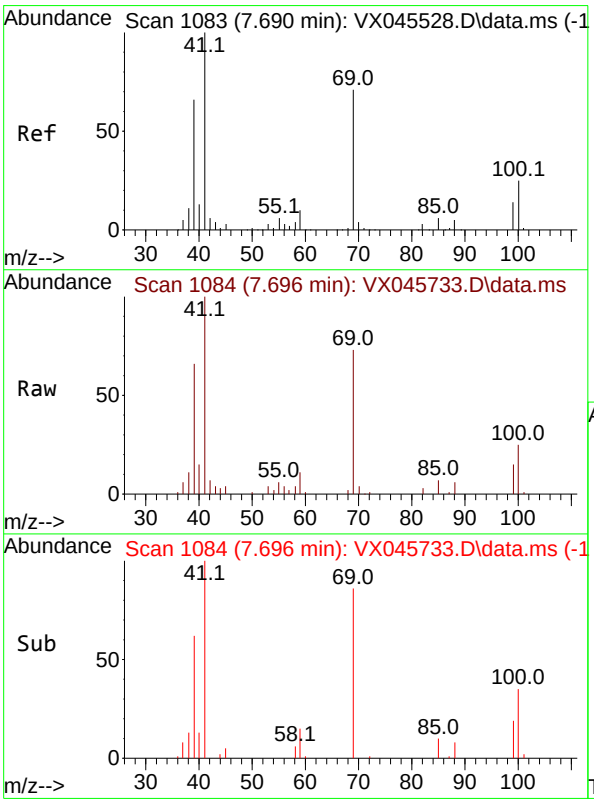
Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.7	74.5
127	7.7	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

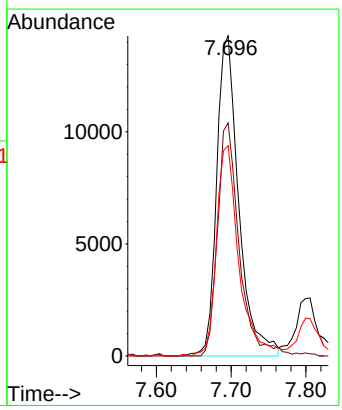
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

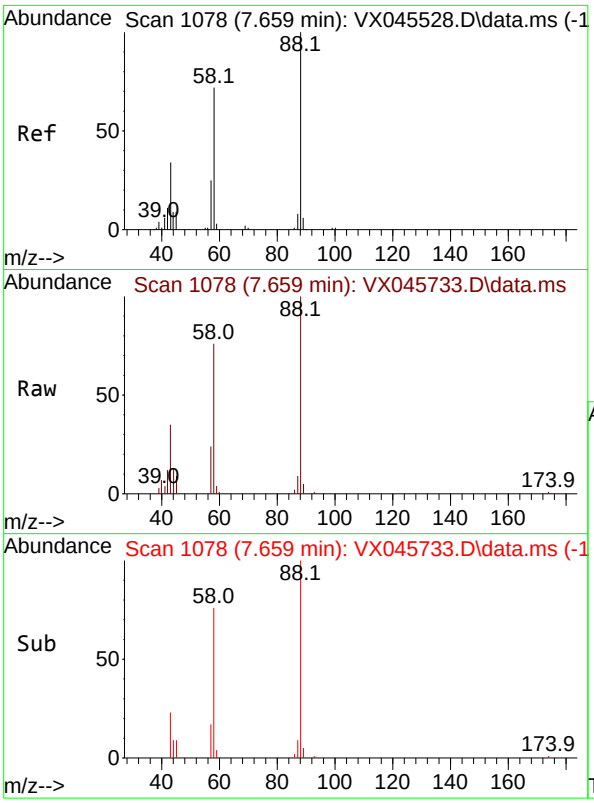


#48
Methyl methacrylate
Concen: 18.940 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 29328

Ion	Ratio	Lower	Upper
41	100		
69	71.3	58.2	87.2
39	67.0	53.6	80.4

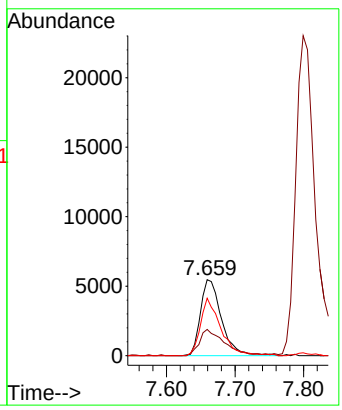




#49
1,4-Dioxane
Concen: 416.596 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 88 Resp: 1167

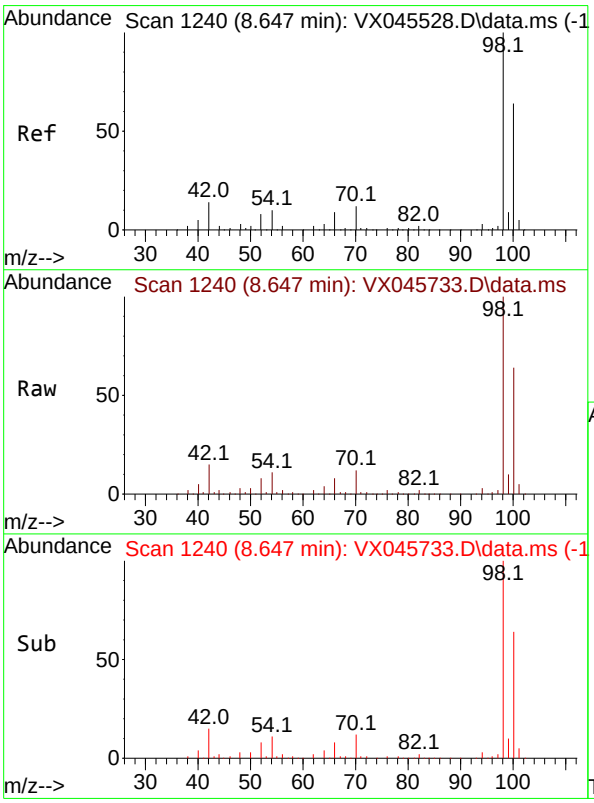
Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	73.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

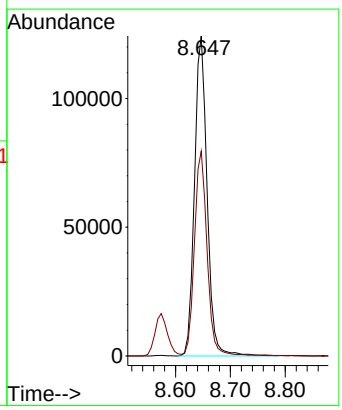
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

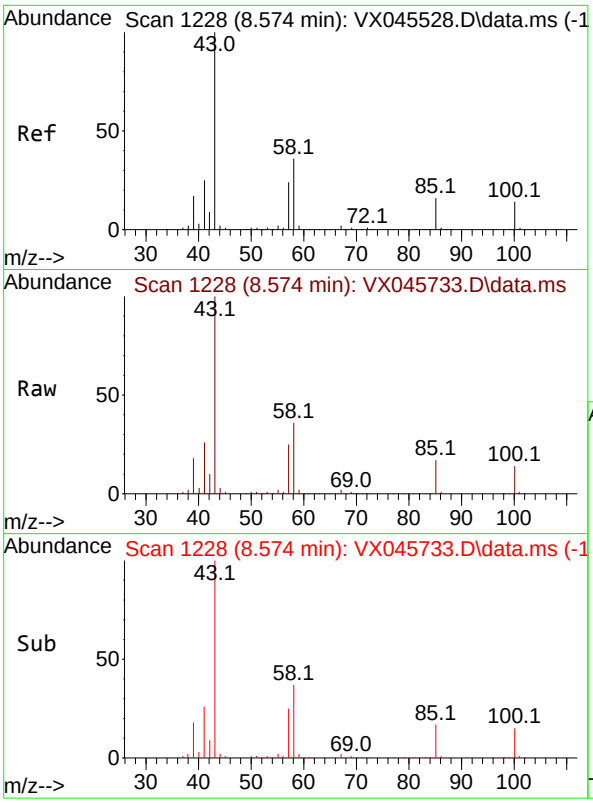


#50
Toluene-d8
Concen: 49.167 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 98 Resp: 199568

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

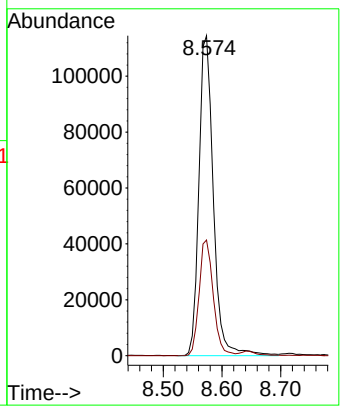




#51
4-Methyl-2-Pentanone
Concen: 98.277 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 19538

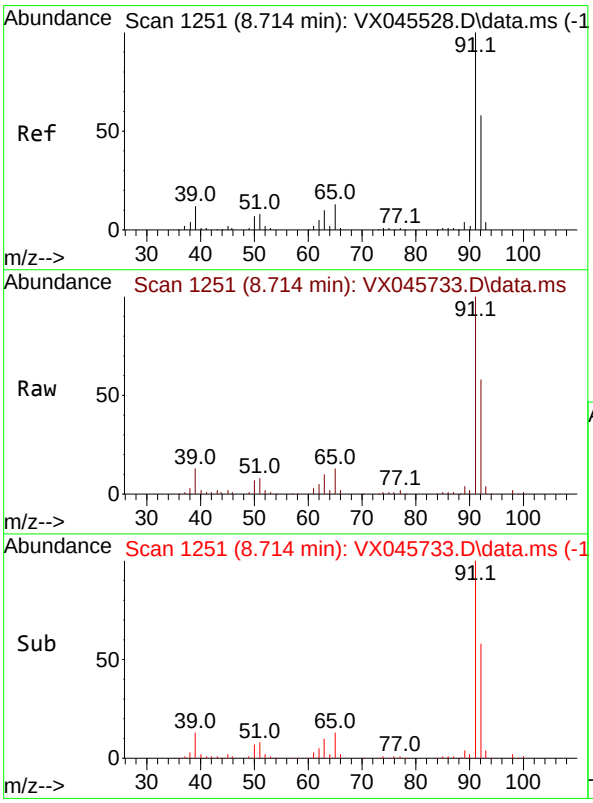
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

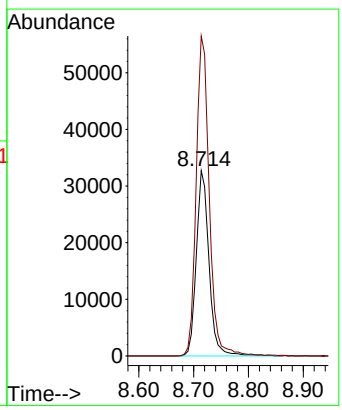
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

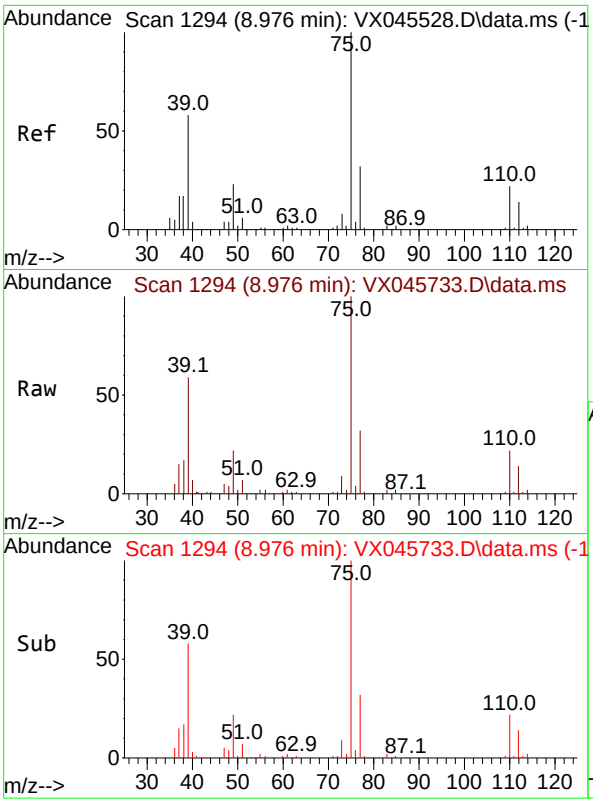


#52
Toluene
Concen: 18.235 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 92 Resp: 52911

Ion	Ratio	Lower	Upper
92	100		
91	177.2	138.7	208.1

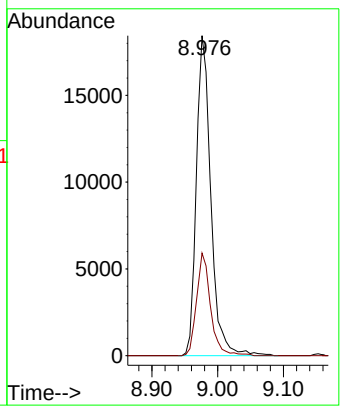




#53
t-1,3-Dichloropropene
Concen: 17.529 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 2817

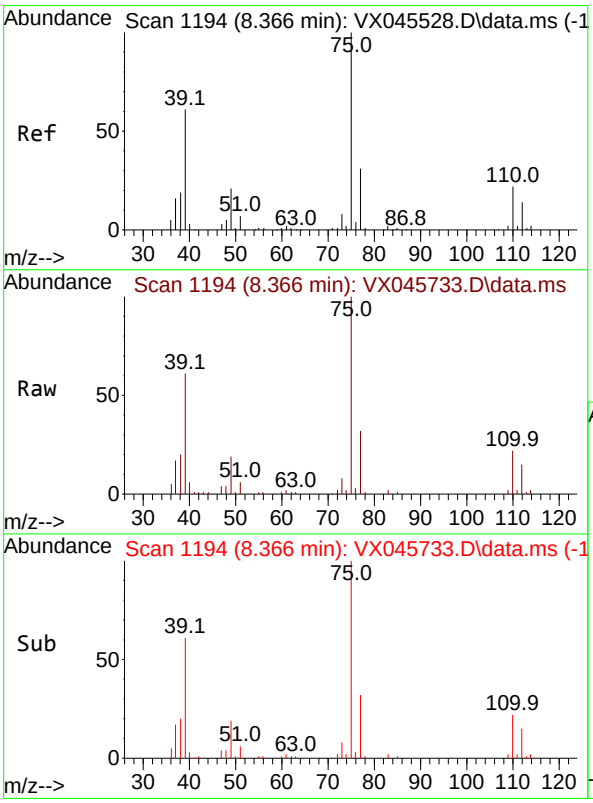
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

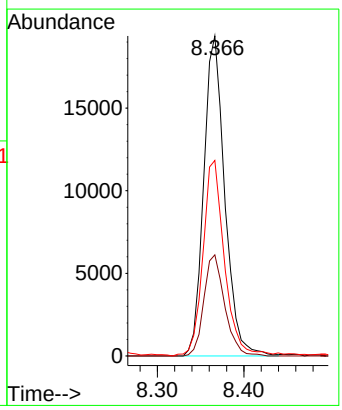
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

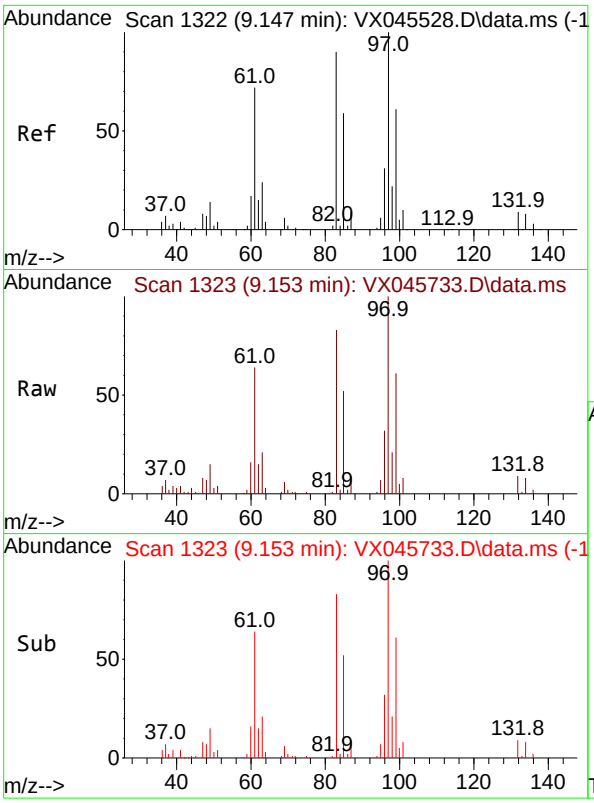


#54
cis-1,3-Dichloropropene
Concen: 18.999 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 32748

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	60.6	48.4	72.6

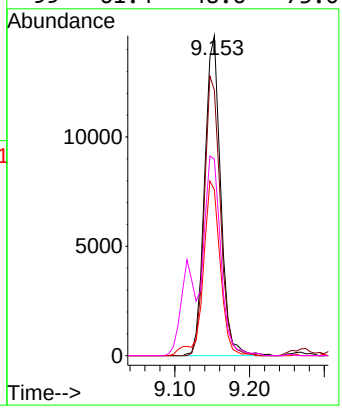




#55
1,1,2-Trichloroethane
Concen: 18.911 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 97 Resp: 2186

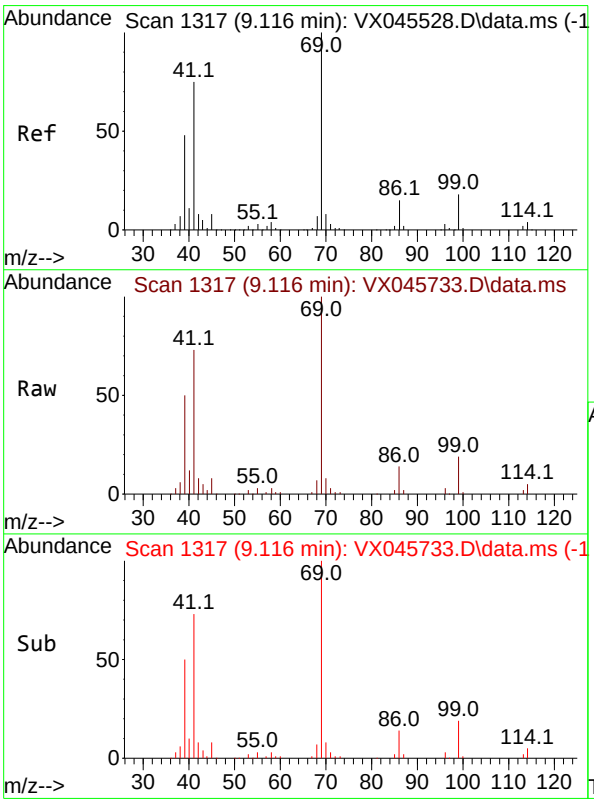
Ion	Ratio	Lower	Upper
97	100		
83	83.0	71.8	107.8
85	51.9	47.0	70.6
99	61.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

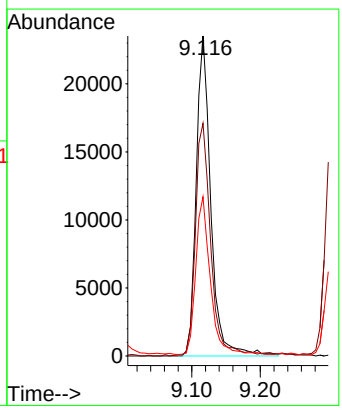
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

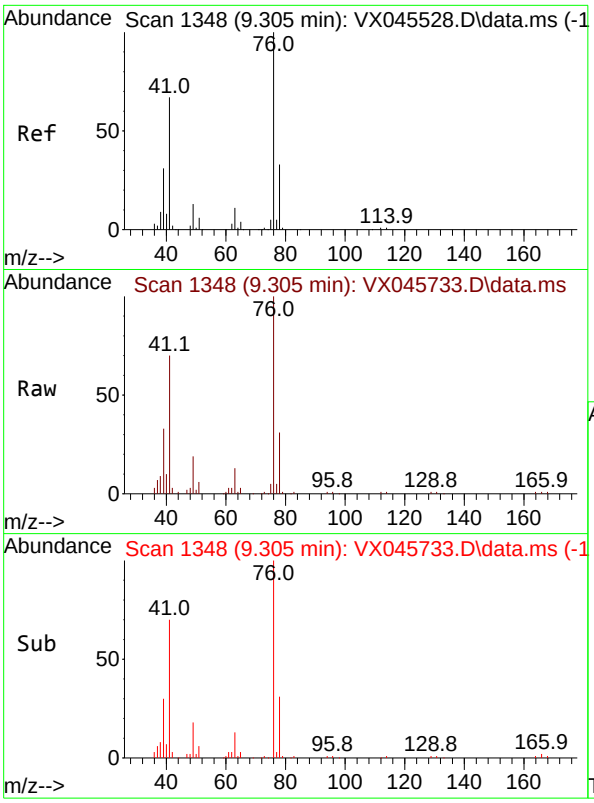


#56
Ethyl methacrylate
Concen: 19.520 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 69 Resp: 34930

Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.3	91.9
39	49.0	40.2	60.2

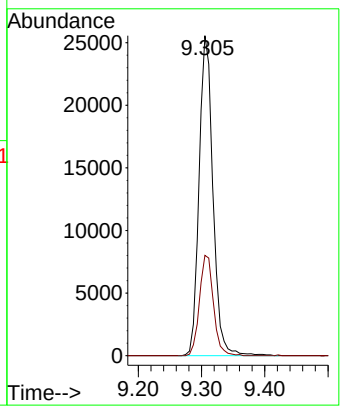




#57
1,3-Dichloropropane
Concen: 19.398 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 76 Resp: 3905

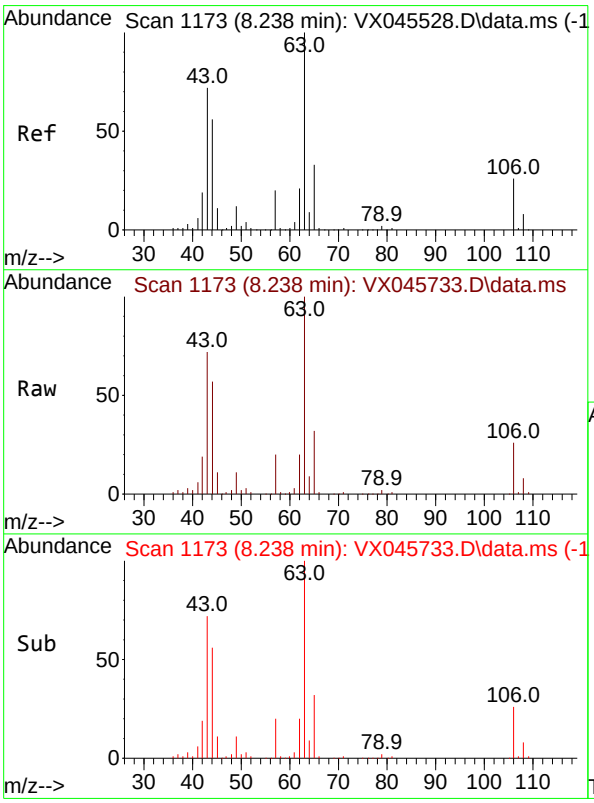
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

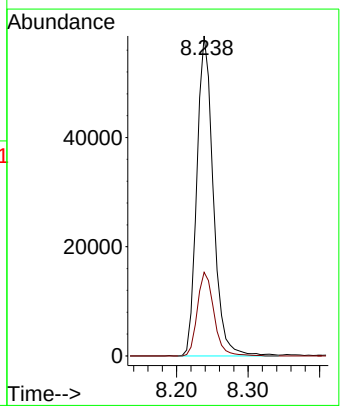
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

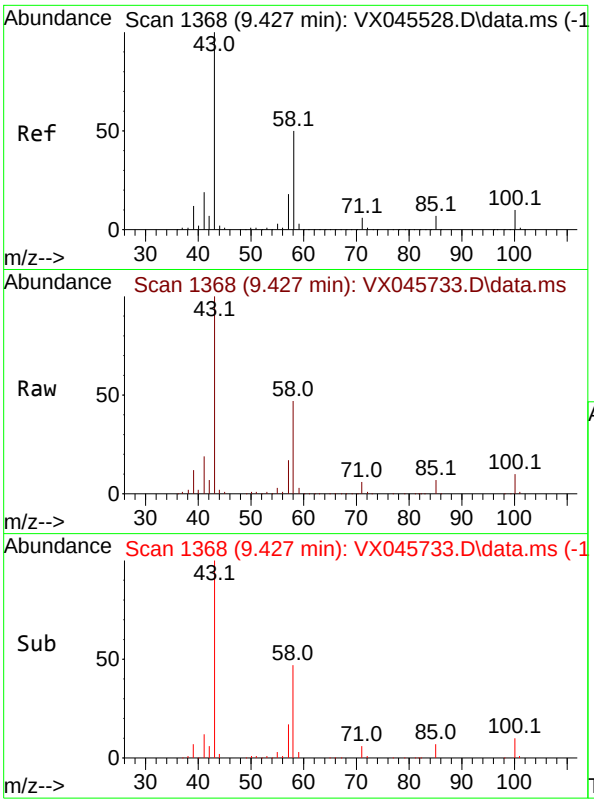


#58
2-Chloroethyl Vinyl ether
Concen: 103.408 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 93610

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6

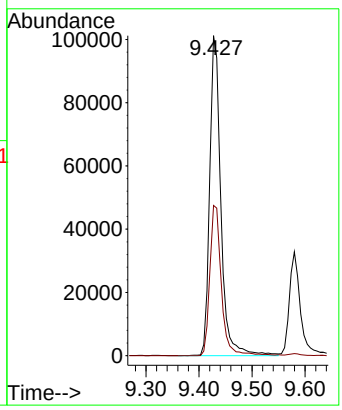




#59
2-Hexanone
Concen: 100.631 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 14815

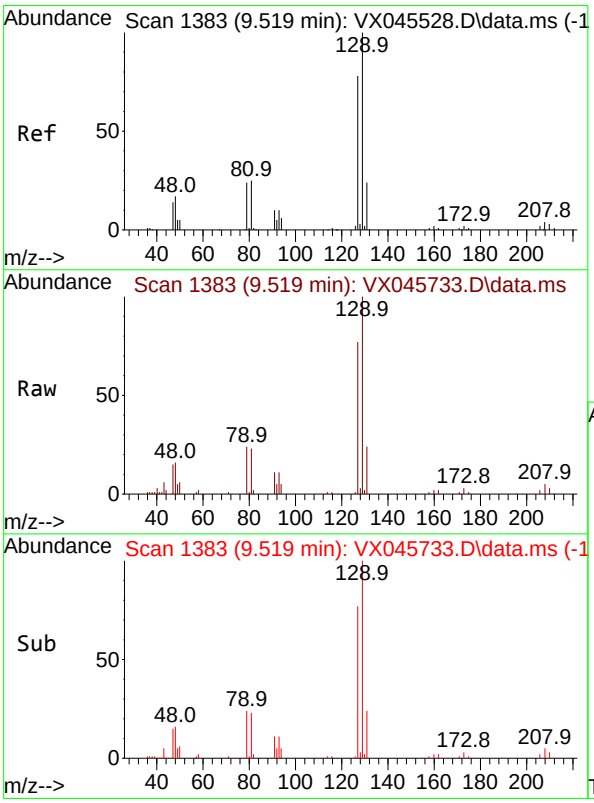
Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

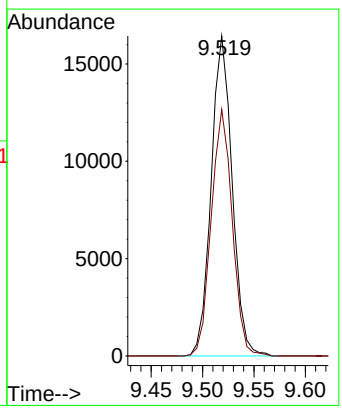
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

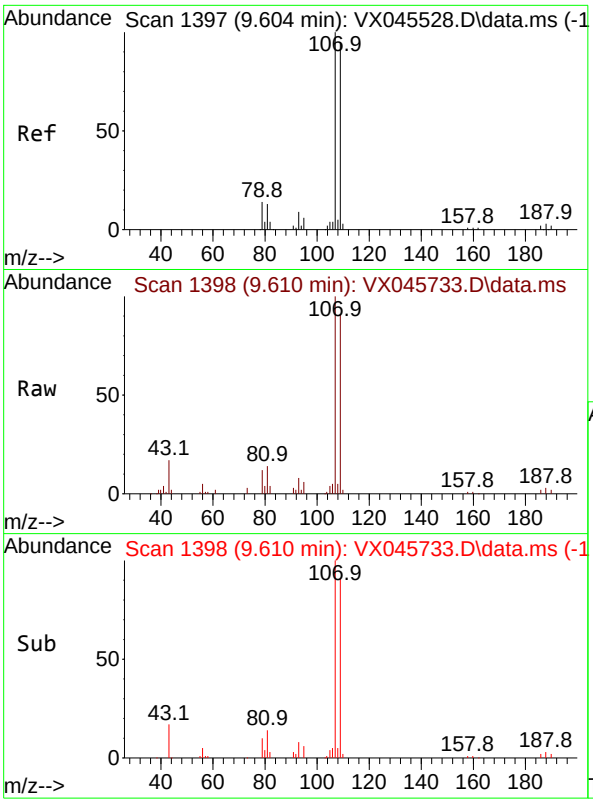


#60
Dibromochloromethane
Concen: 18.479 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:129 Resp: 23294

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.4	118.2

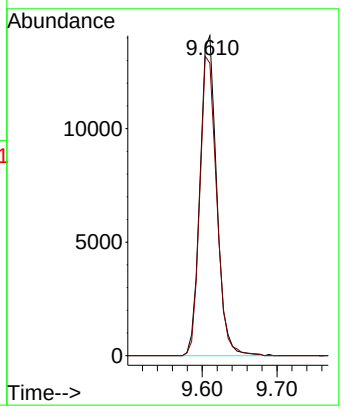




#61
1,2-Dibromoethane
Concen: 18.642 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:107 Resp: 2182

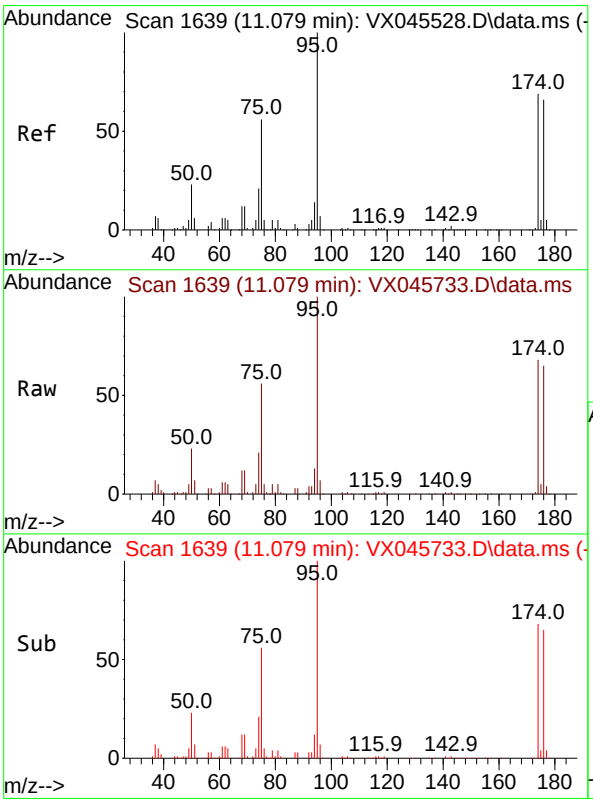
Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

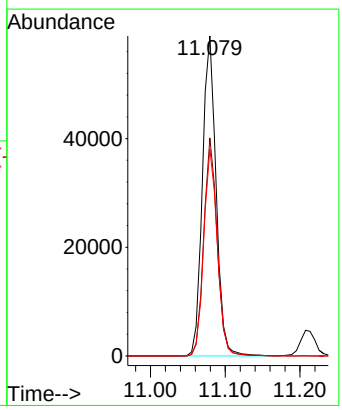
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

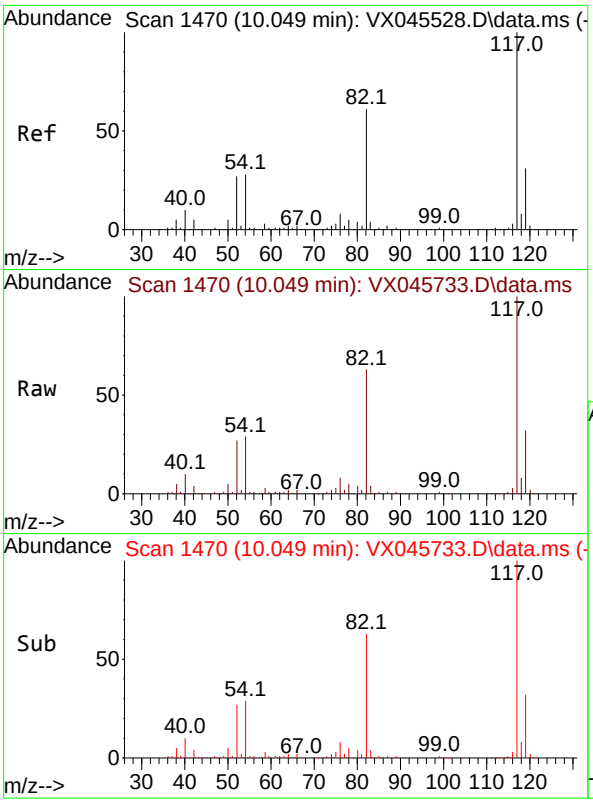


#62
4-Bromofluorobenzene
Concen: 50.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 95 Resp: 74766

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.4	0.0	131.4

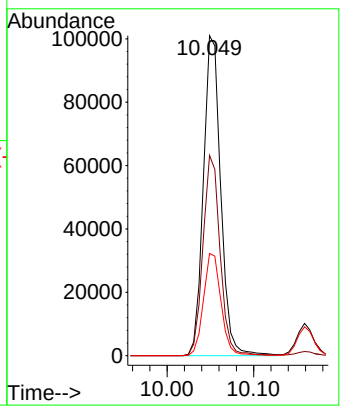




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 14088

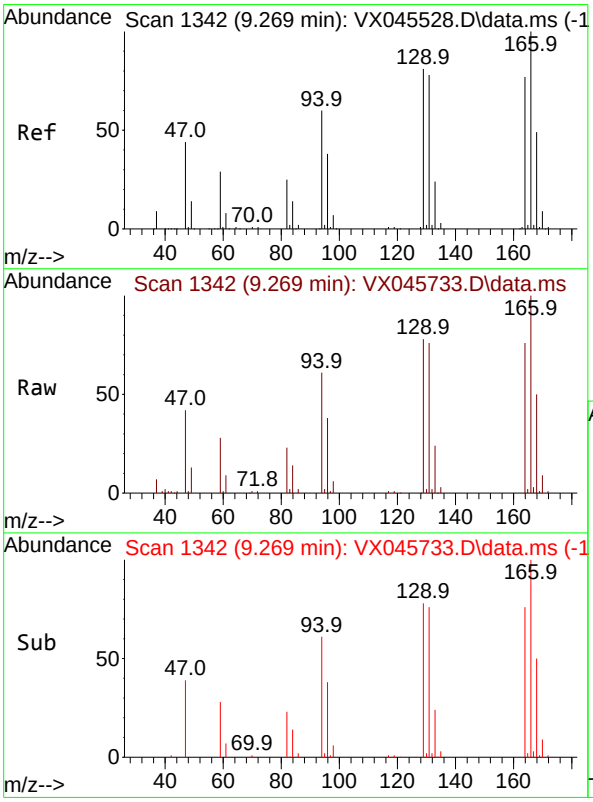
Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	32.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

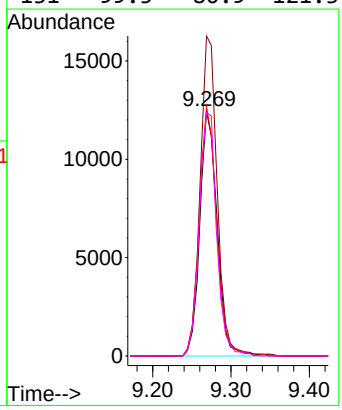
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

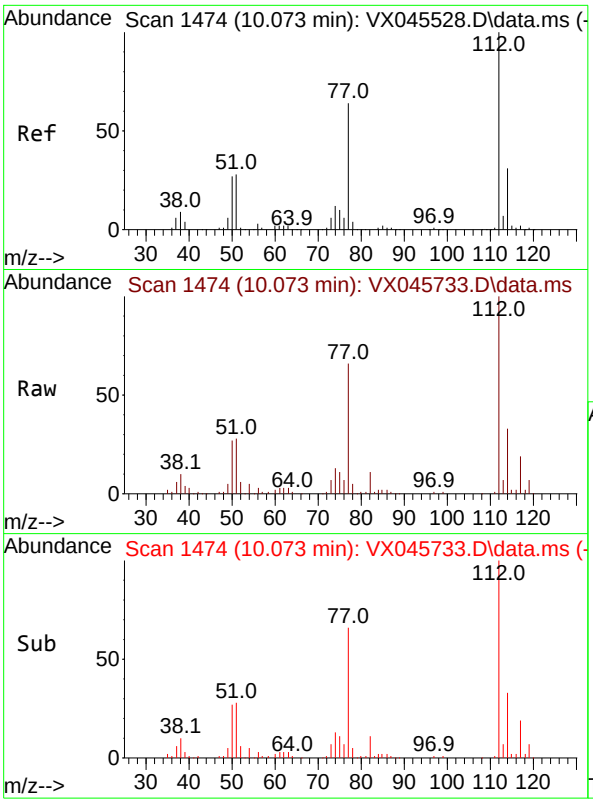


#64
Tetrachloroethene
Concen: 19.167 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:164 Resp: 19066

Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.8	155.8
129	101.8	84.3	126.5
131	99.5	80.9	121.3

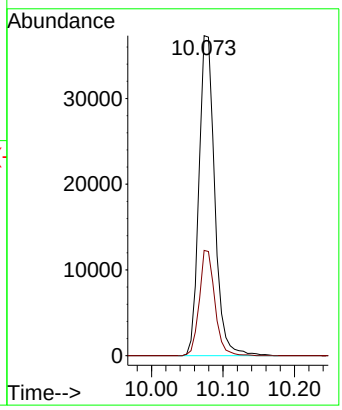




#65
Chlorobenzene
Concen: 18.962 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:112 Resp: 5708

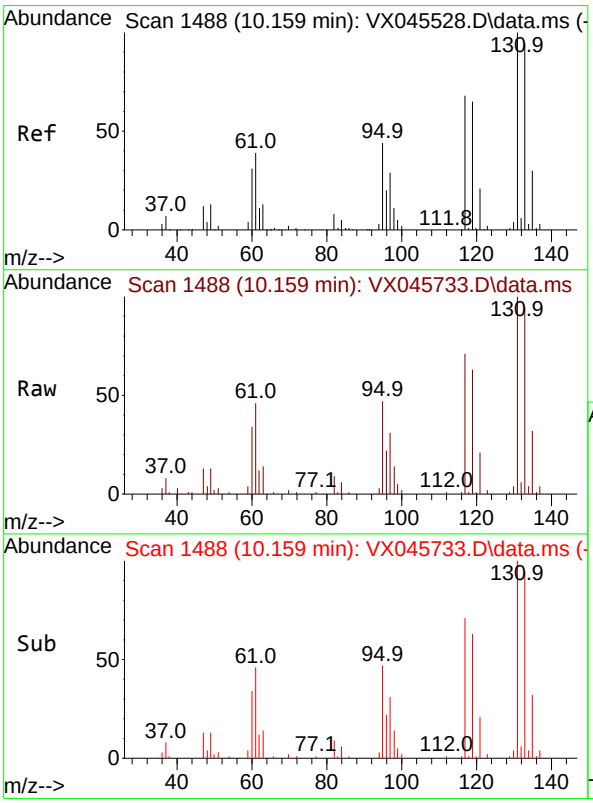
Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

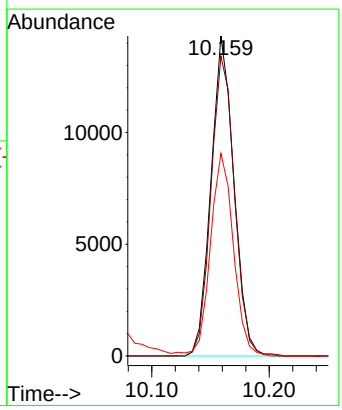
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

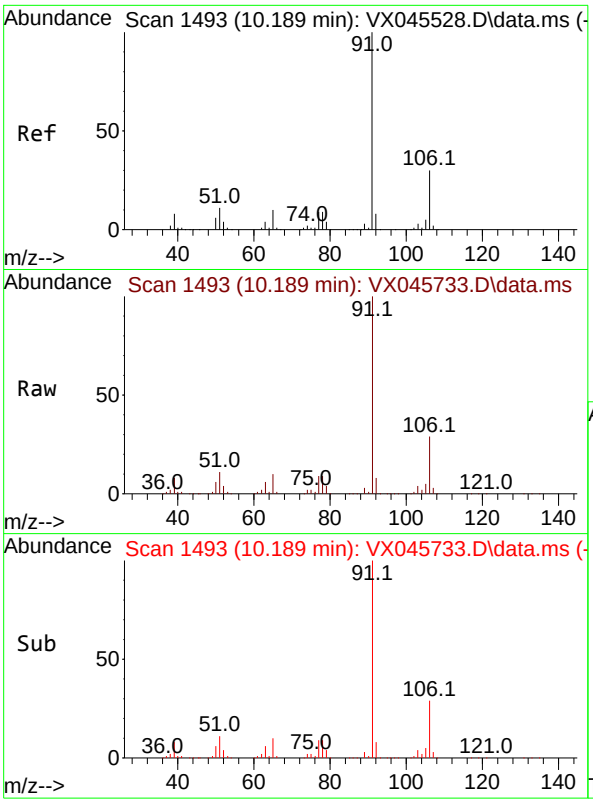


#66
1,1,1,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:131 Resp: 19355

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.5	142.5
119	63.4	32.9	98.6

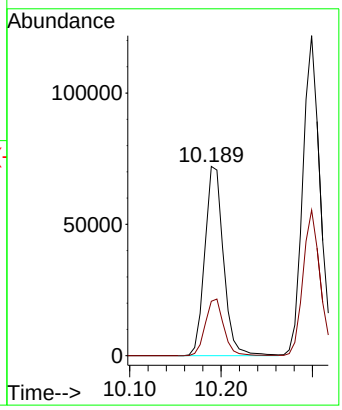




#67
Ethyl Benzene
Concen: 18.957 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 10221

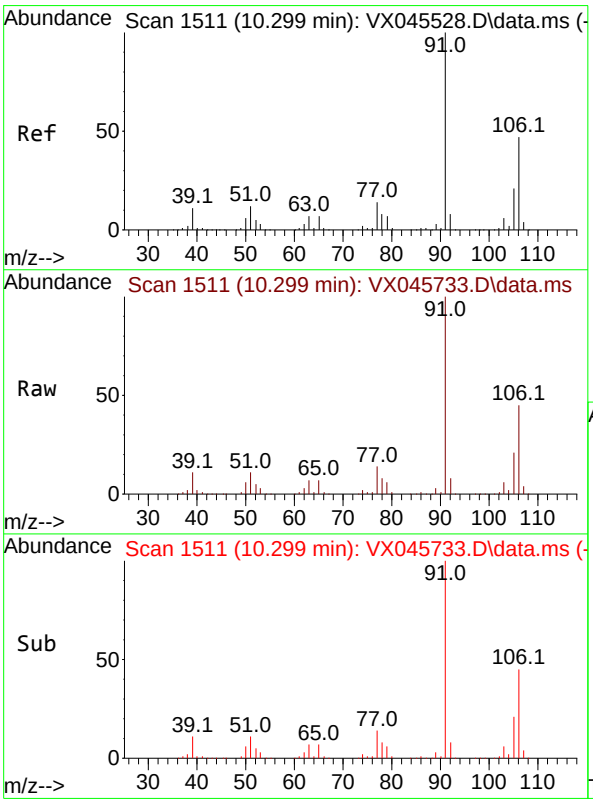
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

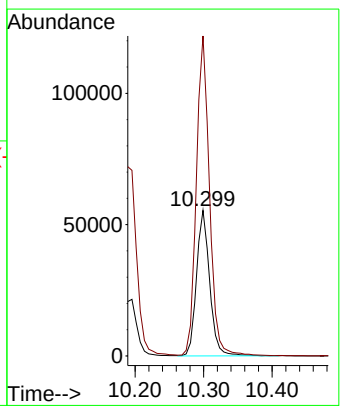
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

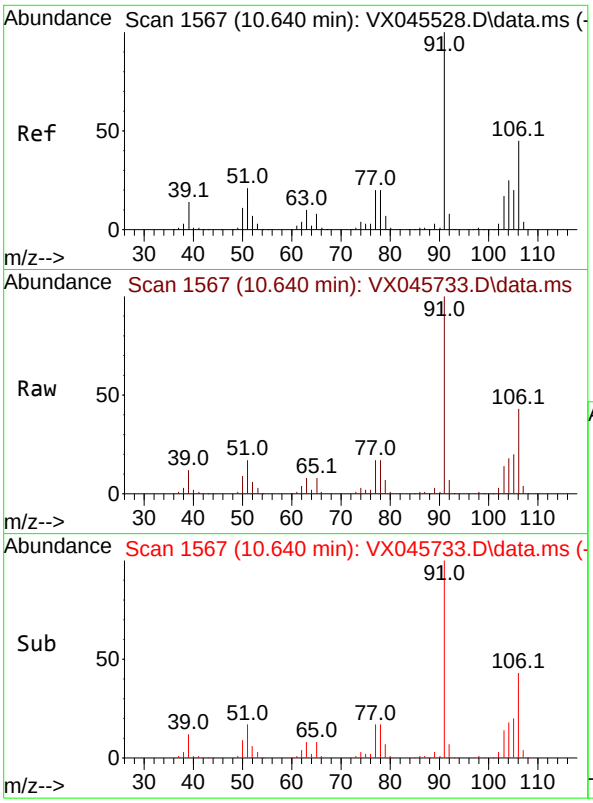


#68
m/p-Xylenes
Concen: 37.692 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:106 Resp: 73917

Ion	Ratio	Lower	Upper
106	100		
91	219.9	172.6	258.8

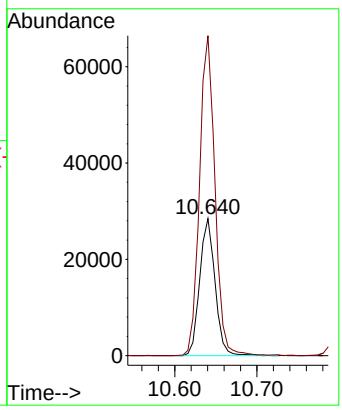




#69
o-Xylene
Concen: 19.111 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:106 Resp: 3691

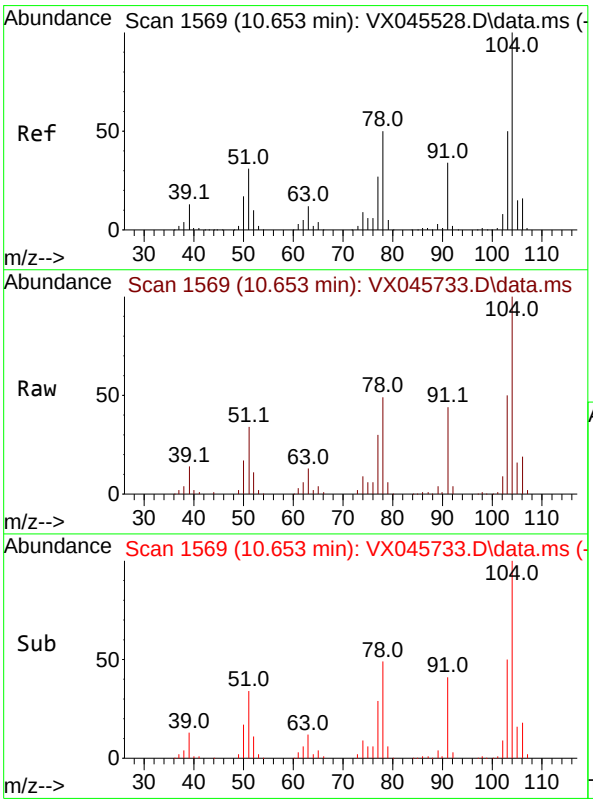
Ion	Ratio	Lower	Upper
106	100		
91	235.4	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

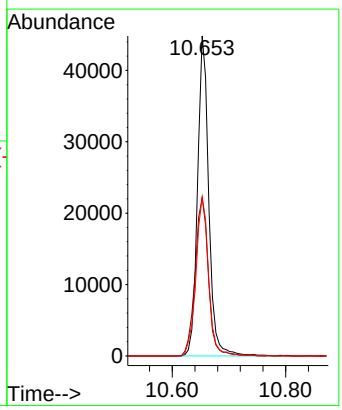
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

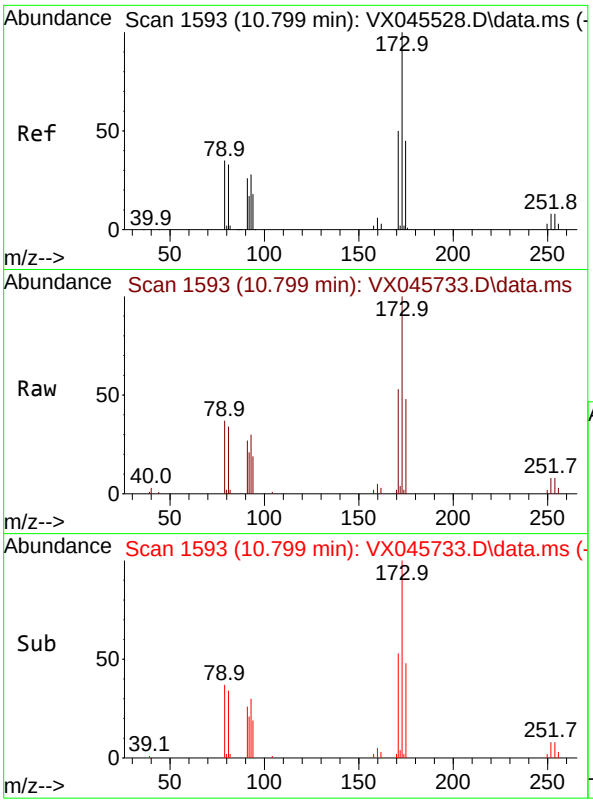


#70
Styrene
Concen: 19.348 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:104 Resp: 61692

Ion	Ratio	Lower	Upper
104	100		
78	58.3	45.4	68.2
103	56.1	43.8	65.8





#71
Bromoform
Concen: 17.924 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

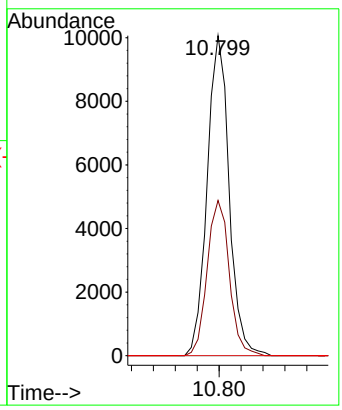
Tgt Ion:173 Resp: 1398

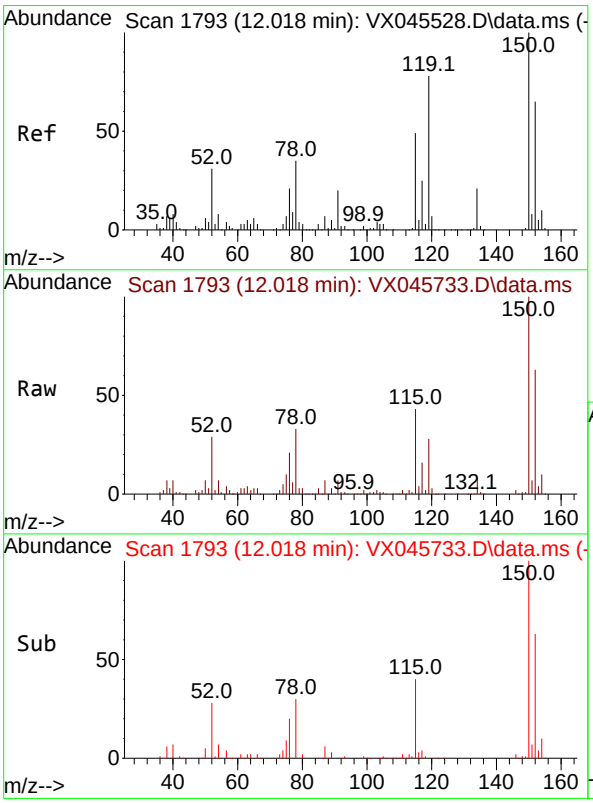
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

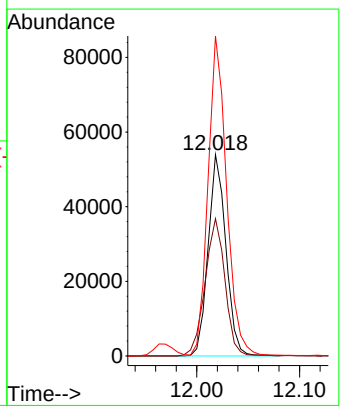


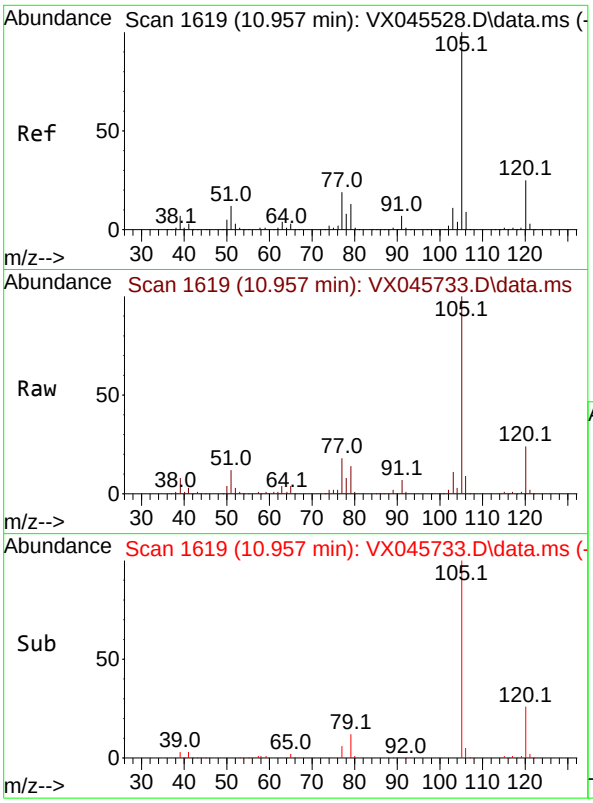


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:152 Resp: 64715

Ion	Ratio	Lower	Upper
152	100		
115	76.4	46.9	140.7
150	165.8	0.0	349.4

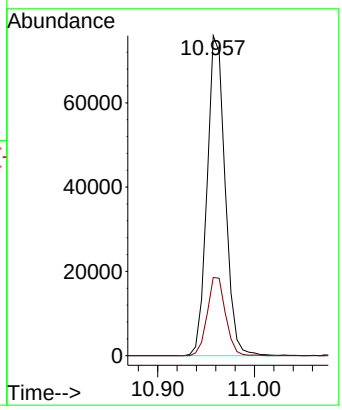




#73
Isopropylbenzene
Concen: 18.994 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 9846

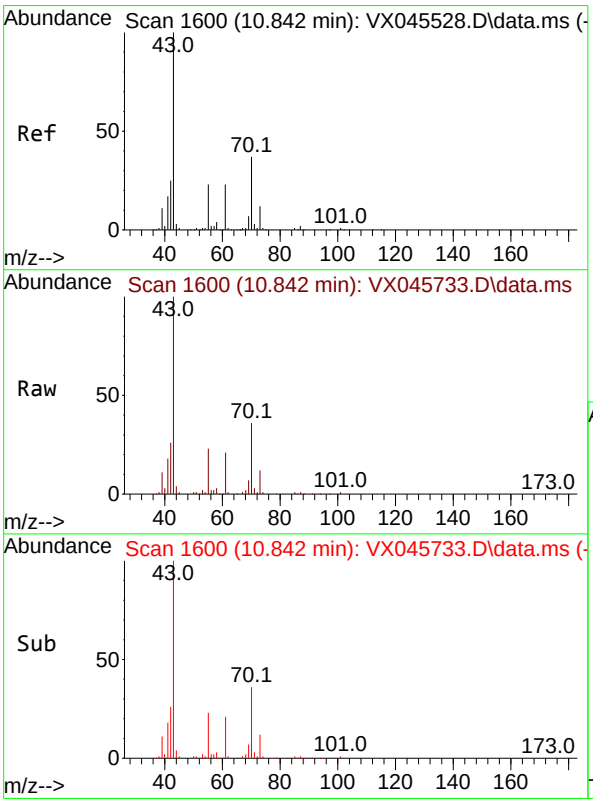
Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

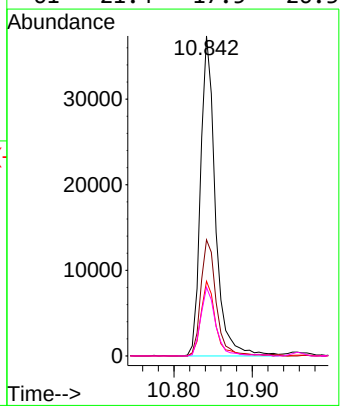
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

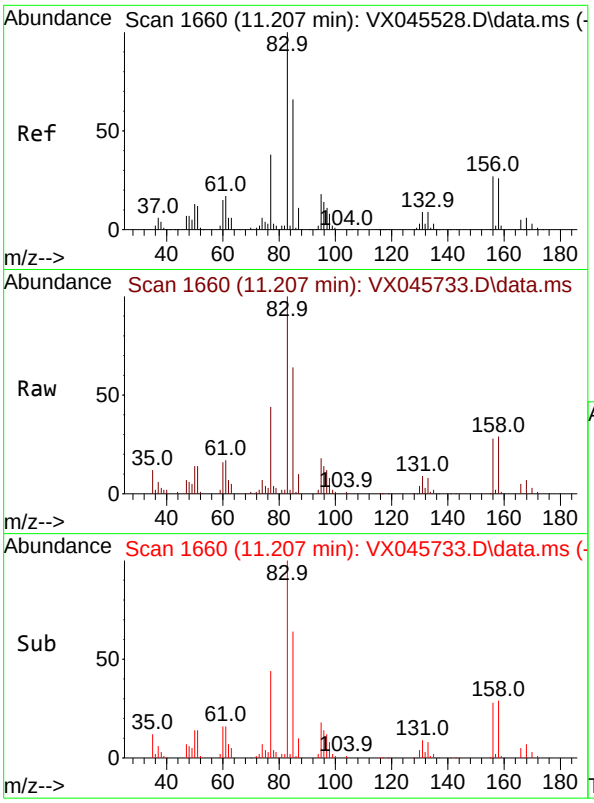


#74
N-amyl acetate
Concen: 19.784 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 49056

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.1	45.1
55	23.3	18.3	27.5
61	21.4	17.5	26.3

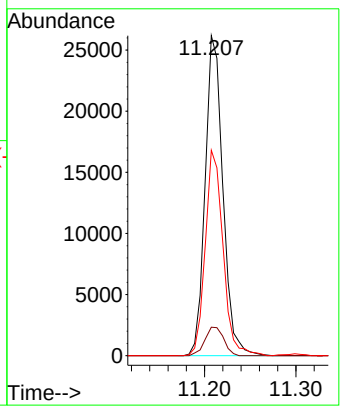




#75
1,1,2,2-Tetrachloroethane
Concen: 19.330 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3520

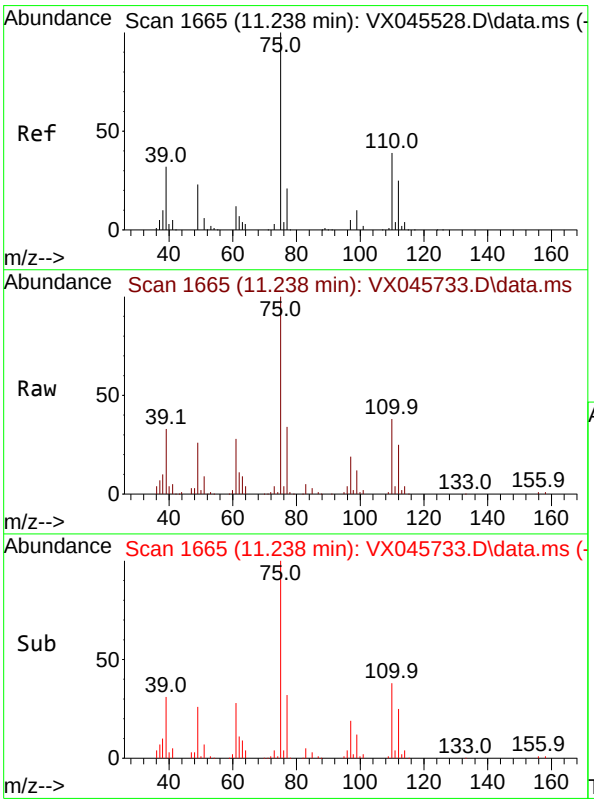
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.3	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

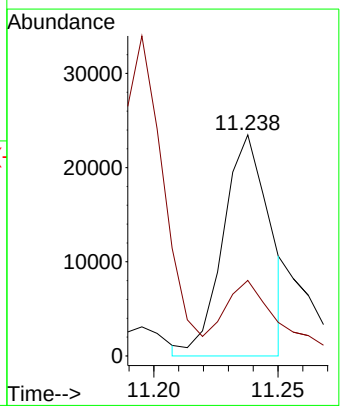
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

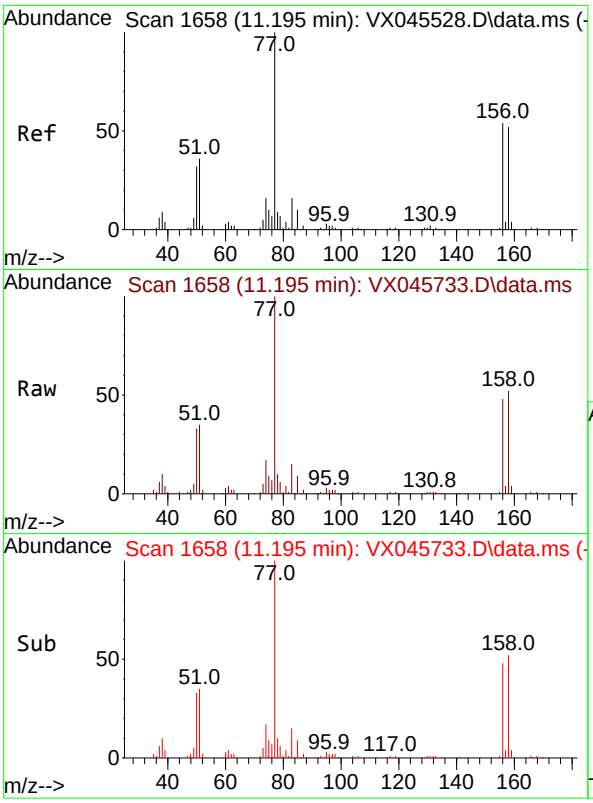


#76
1,2,3-Trichloropropane
Concen: 19.306 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 30476

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.0	59.9

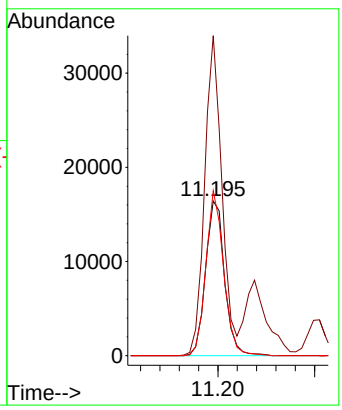




#77
Bromobenzene
Concen: 18.691 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:156 Resp: 2238

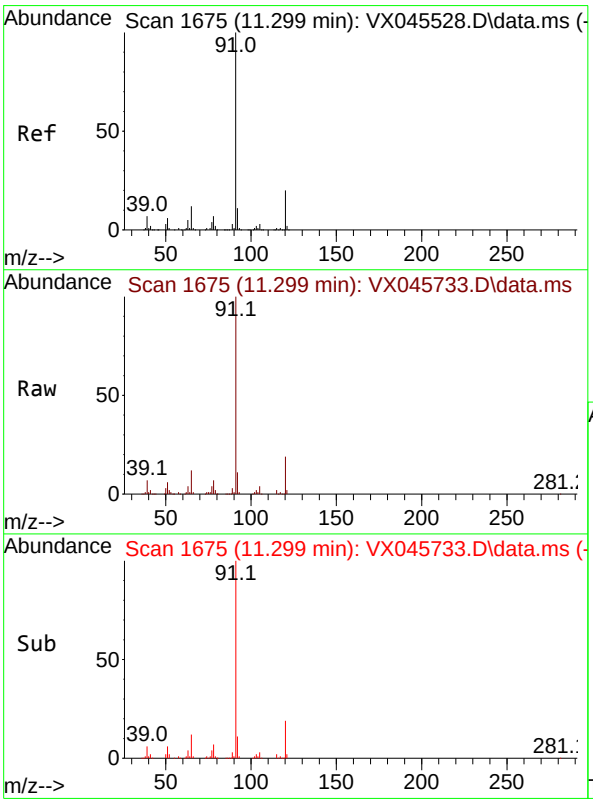
Ion	Ratio	Lower	Upper
156	100		
77	188.3	92.6	277.8
158	100.1	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

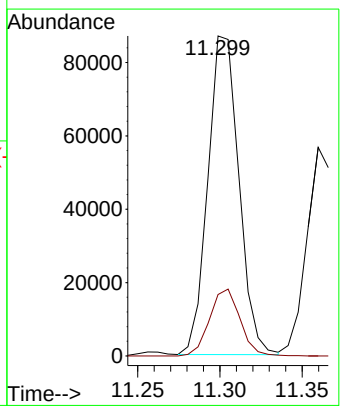
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

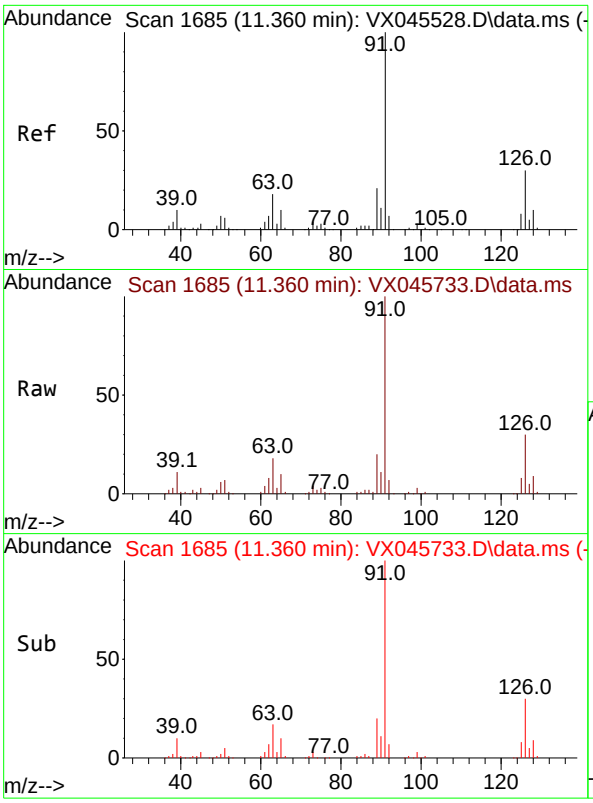


#78
n-propylbenzene
Concen: 19.111 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 114109

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.8	32.3

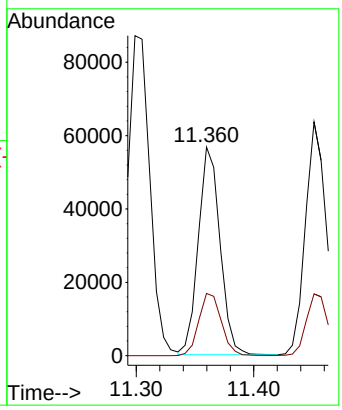




#79
2-Chlorotoluene
Concen: 19.016 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 7258

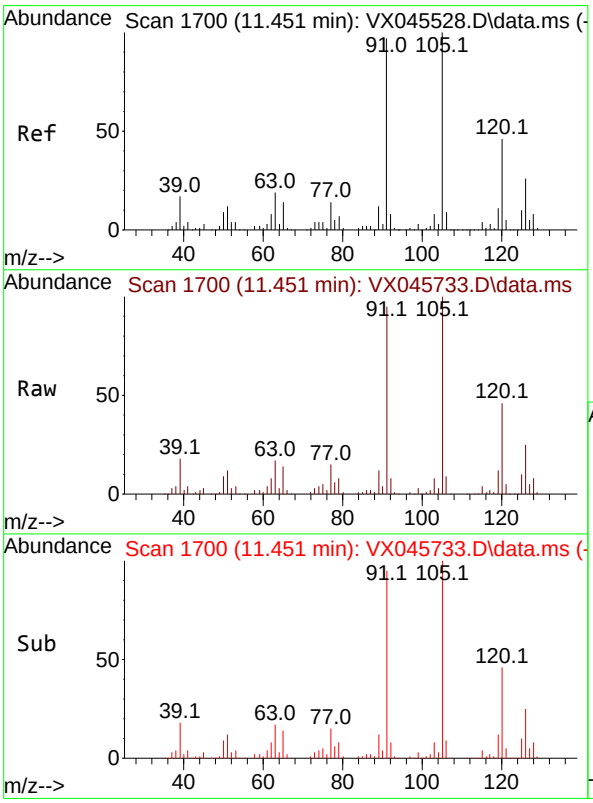
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

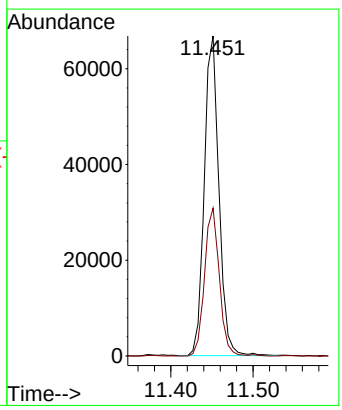
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

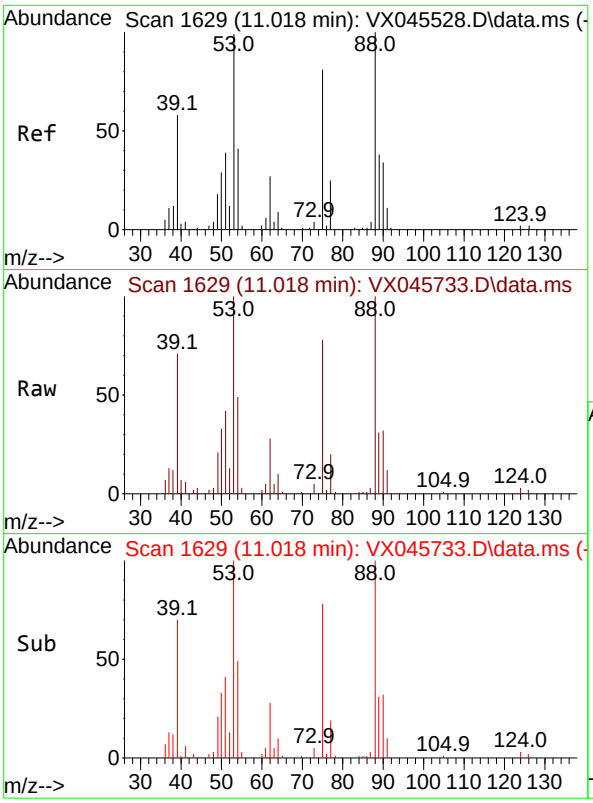


#80
1,3,5-Trimethylbenzene
Concen: 19.276 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 82627

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

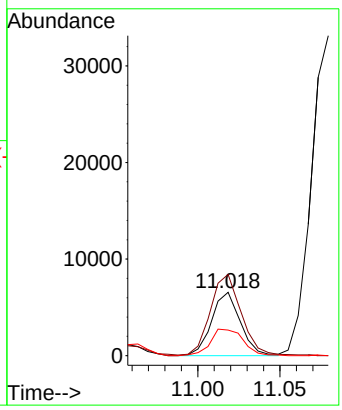
Tgt Ion: 75 Resp: 802

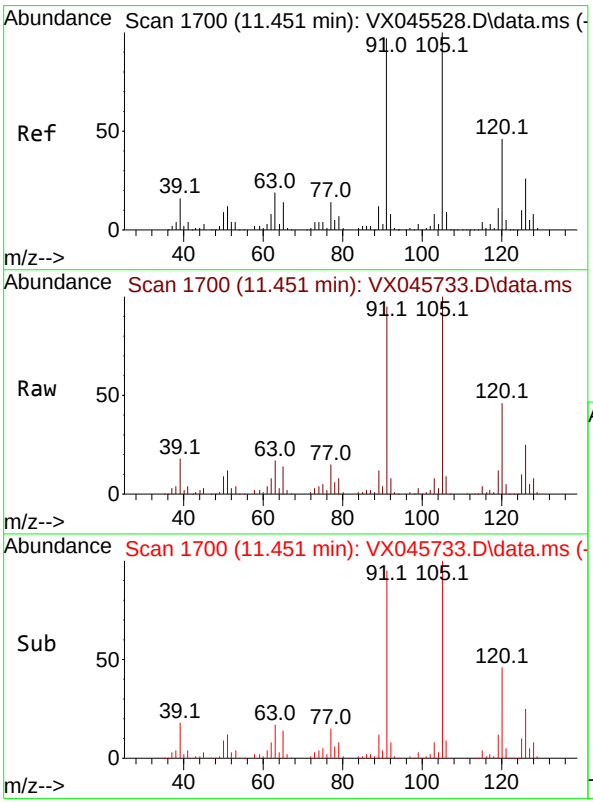
Ion	Ratio	Lower	Upper
75	100		
53	137.7	101.8	152.6
89	47.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

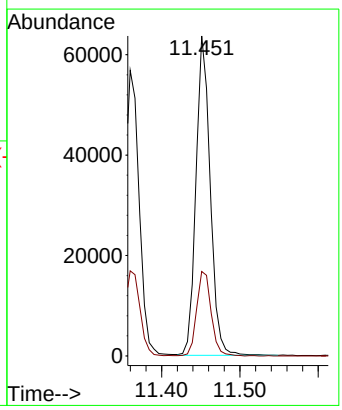


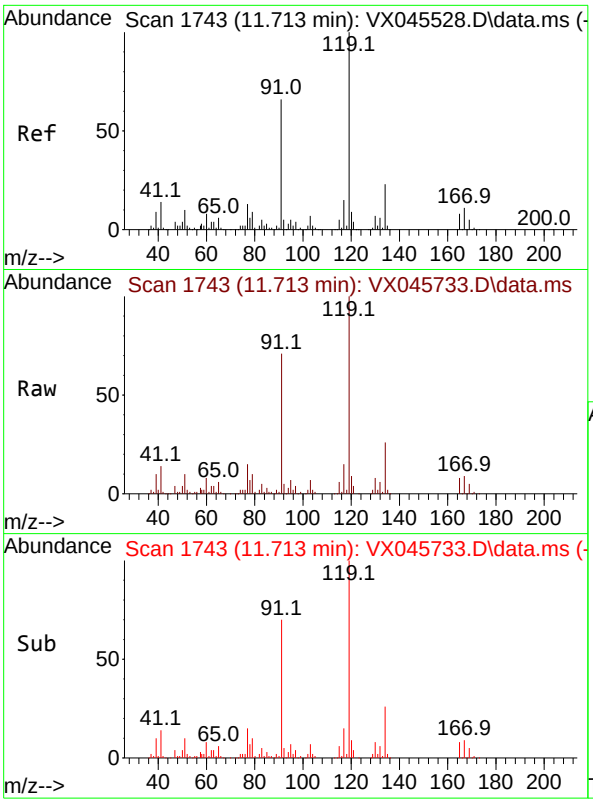


#82
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 80441

Ion	Ratio	Lower	Upper
91	100		
126	27.1	13.3	39.9

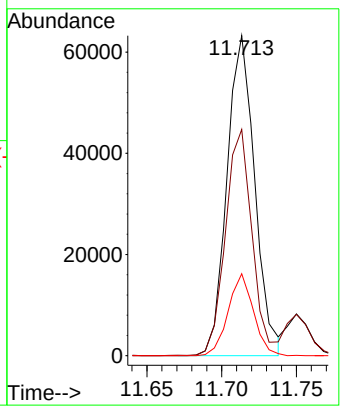




#83
tert-Butylbenzene
Concen: 19.303 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:119 Resp: 8191

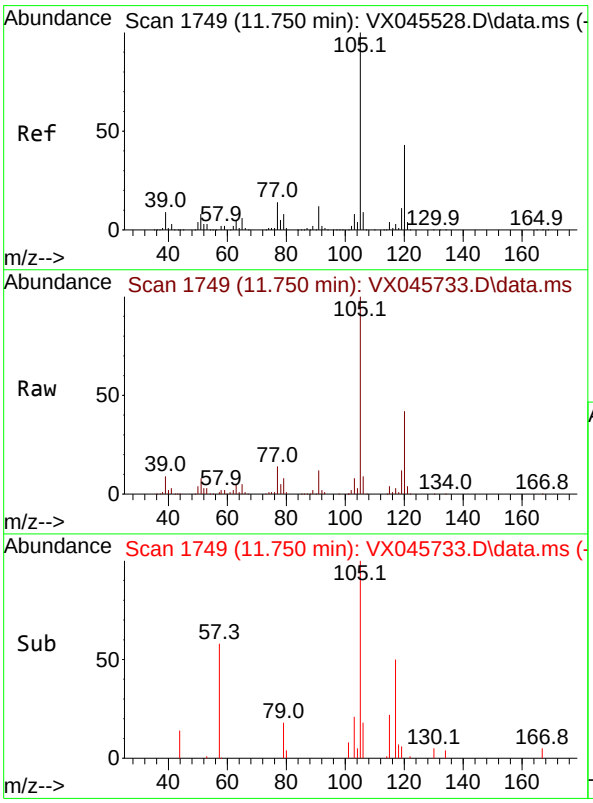
Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	23.3	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

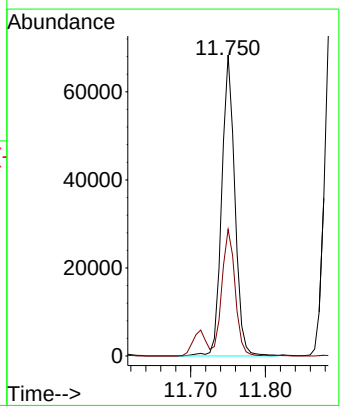
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

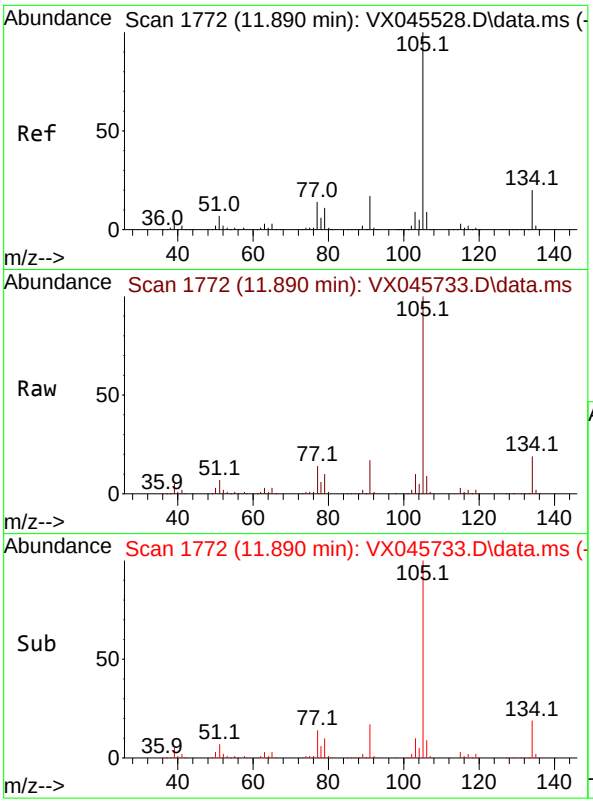


#84
1,2,4-Trimethylbenzene
Concen: 19.476 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 83790

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.4	64.3

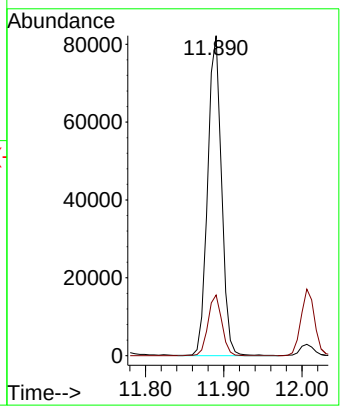




#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 10061

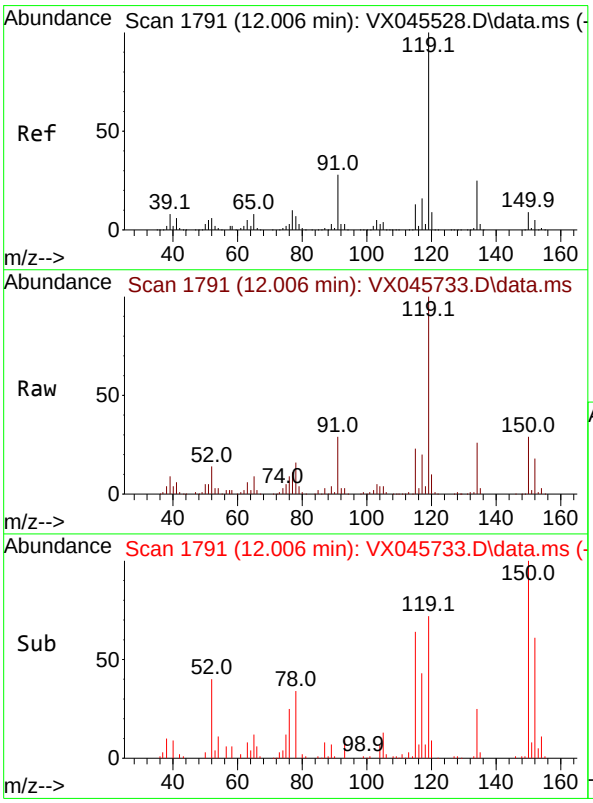
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

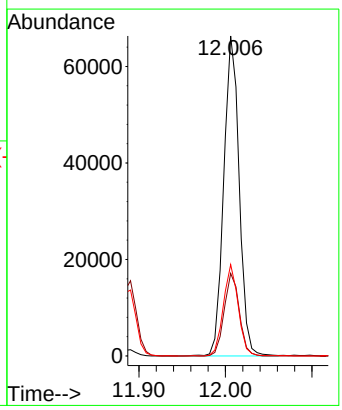
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

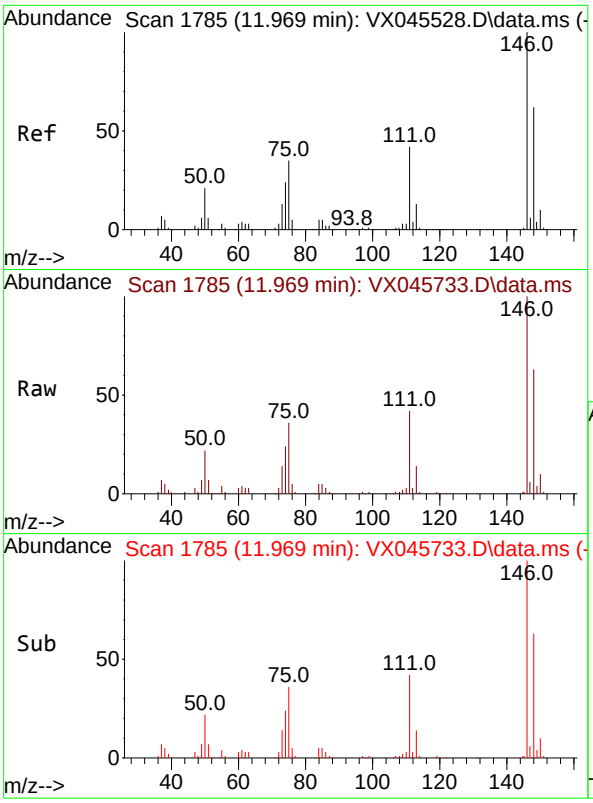


#86
p-Isopropyltoluene
Concen: 19.086 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:119 Resp: 82019

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.6	13.7	41.1

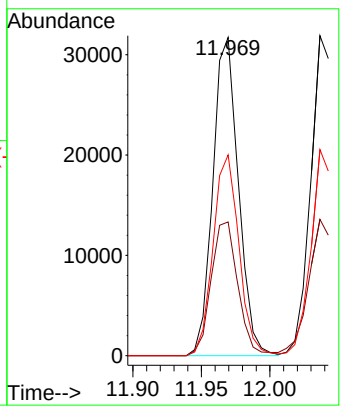




#87
1,3-Dichlorobenzene
Concen: 18.850 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 4109

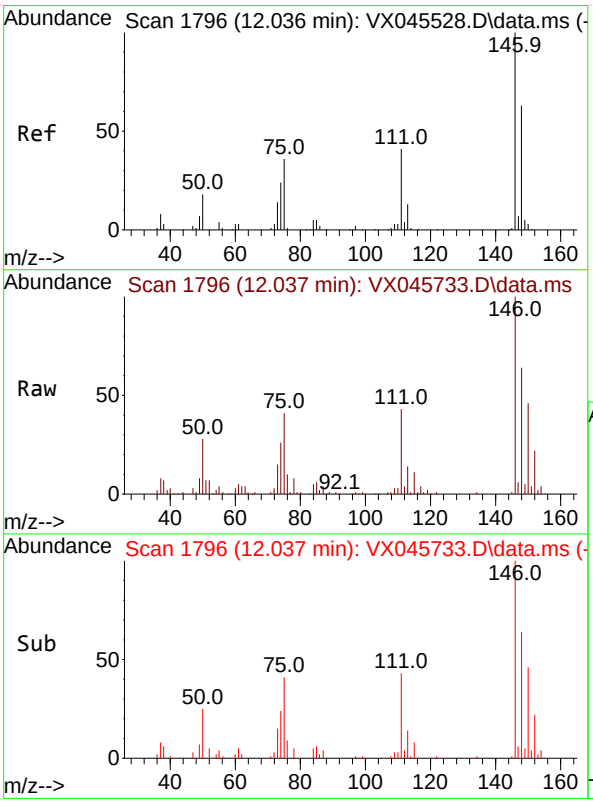
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

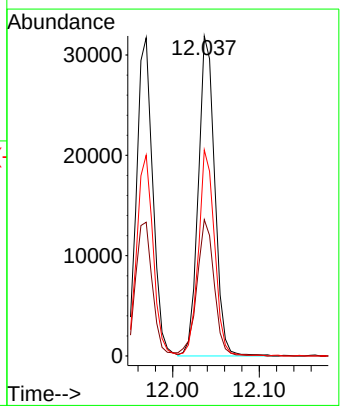
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

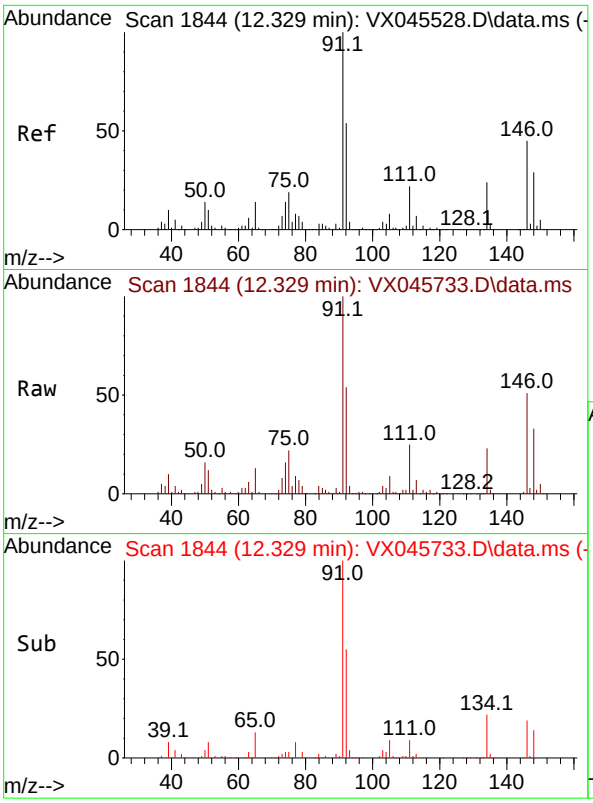


#88
1,4-Dichlorobenzene
Concen: 19.032 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 42067

Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.9	62.8
148	63.3	31.5	94.5

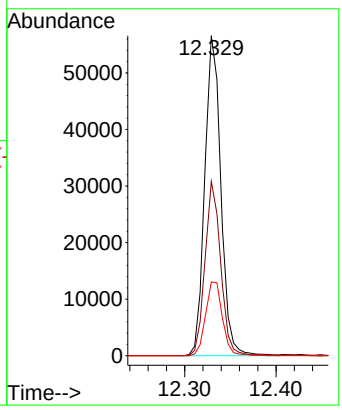




#89
n-Butylbenzene
Concen: 18.556 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 6914

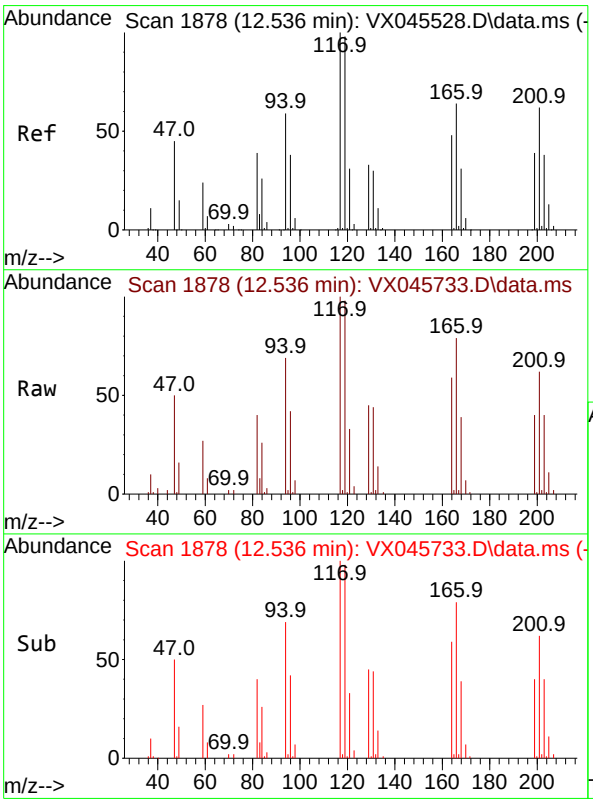
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	24.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

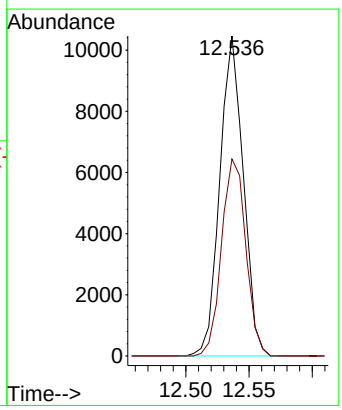
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

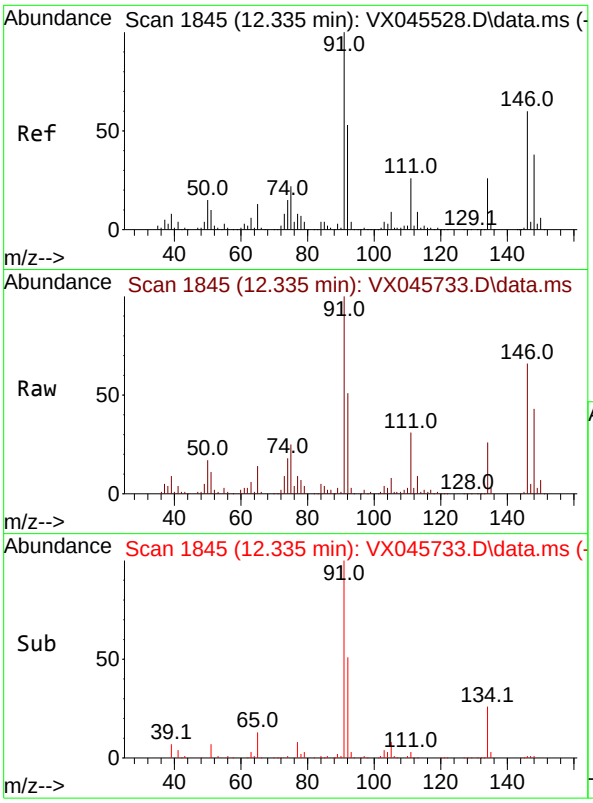


#90
Hexachloroethane
Concen: 18.250 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 13478

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.2	93.6

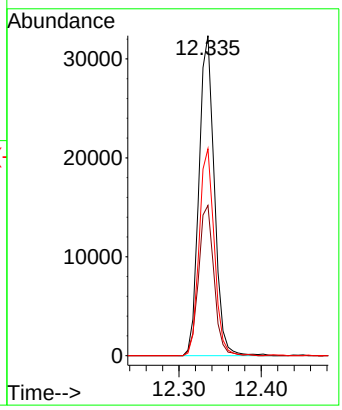




#91
1,2-Dichlorobenzene
Concen: 19.371 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 4198

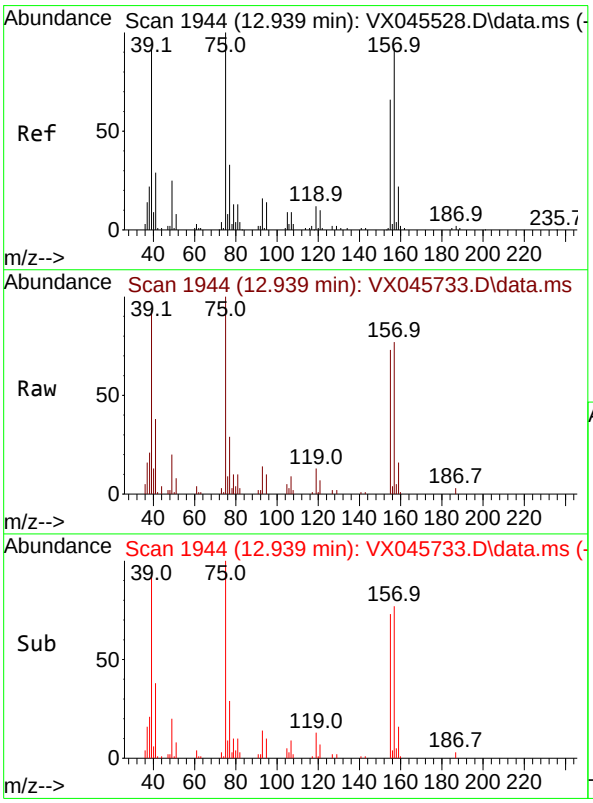
Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.9	68.8
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

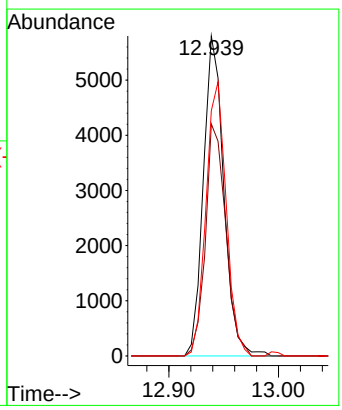
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

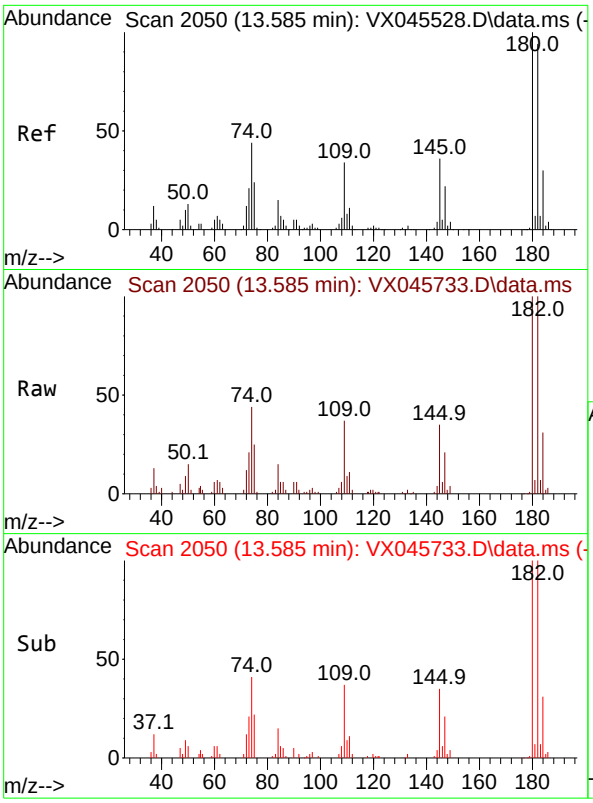


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.678 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 7494

Ion	Ratio	Lower	Upper
75	100		
155	72.1	34.9	104.7
157	84.7	44.9	134.7

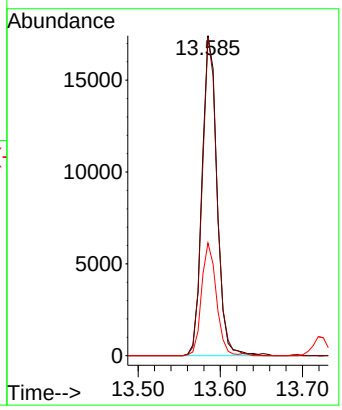




#93
1,2,4-Trichlorobenzene
Concen: 18.258 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:180 Resp: 2202

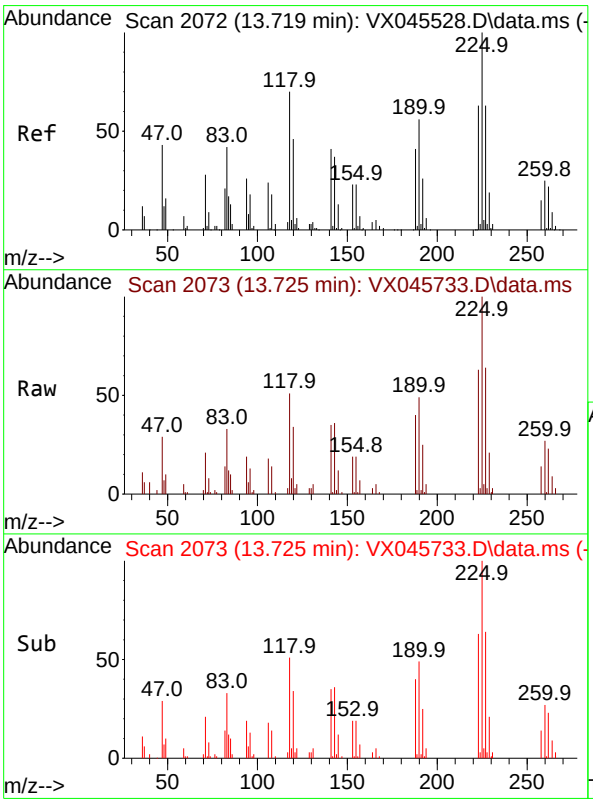
Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.9	143.6
145	35.0	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

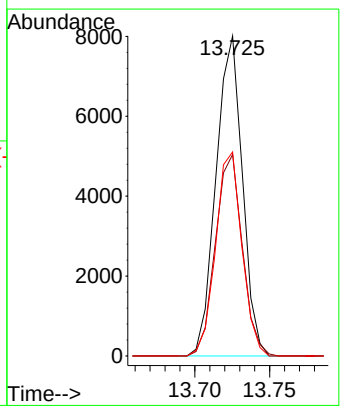
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

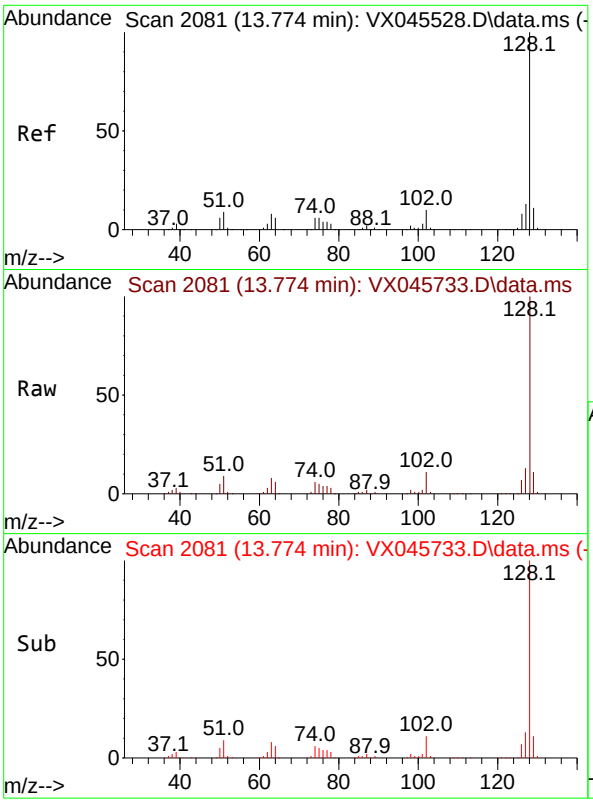


#94
Hexachlorobutadiene
Concen: 18.901 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:225 Resp: 9827

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.3
227	63.5	32.2	96.6

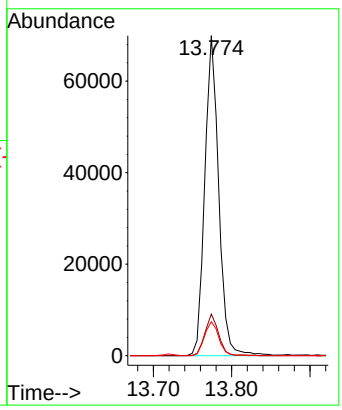




#95
Naphthalene
Concen: 19.203 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:128 Resp: 8622

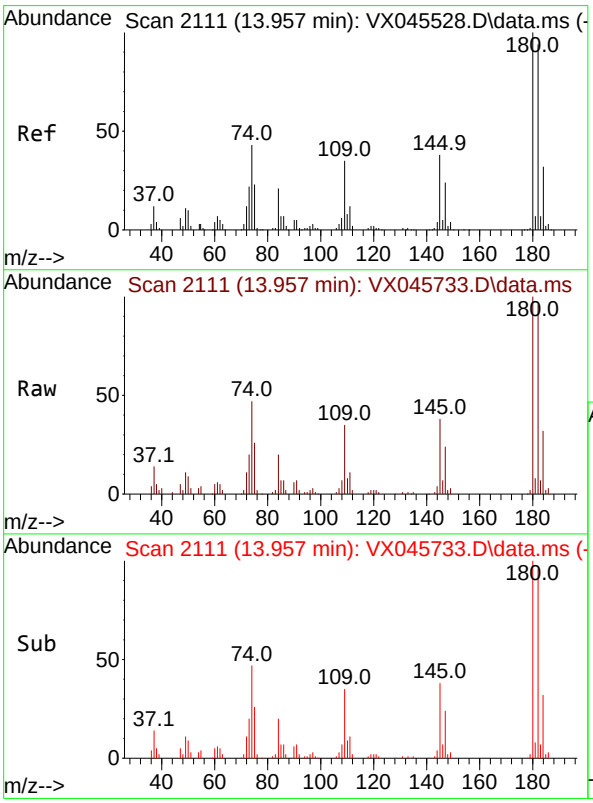
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

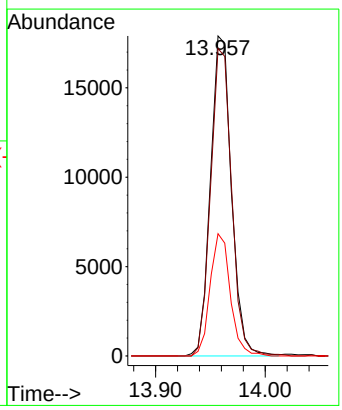
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.866 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:180 Resp: 23835

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	36.8	18.2	54.6



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:	VX0411WBSD01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBSD01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045734.D	1		04/11/25 12:22	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	100		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	19.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	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:	VX0411WBSD01	SDG No.:	Q1773
Lab Sample ID:	VX0411WBSD01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045734.D	1		04/11/25 12:22	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	84300	5.544				
540-36-3	1,4-Difluorobenzene	150000	6.757				
3114-55-4	Chlorobenzene-d5	132000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	63200	12.018				

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_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	84320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80683	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	53111	49.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	183285	49.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	11.079	95	71699	52.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24625	19.528	ug/l	98
3) Chloromethane	1.307	50	23327	18.007	ug/l	100
4) Vinyl Chloride	1.374	62	20906	17.634	ug/l	95
5) Bromomethane	1.593	94	9876	17.569	ug/l	99
6) Chloroethane	1.660	64	11924	18.957	ug/l	92
7) Trichlorofluoromethane	1.867	101	34101	19.289	ug/l	98
8) Diethyl Ether	2.130	74	11527	19.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20130	19.431	ug/l	97
10) Methyl Iodide	2.441	142	22790	17.637	ug/l	99
11) Tert butyl alcohol	2.983	59	22438	108.275	ug/l	99
12) 1,1-Dichloroethene	2.306	96	18161	17.941	ug/l	98
13) Acrolein	2.233	56	27599	96.712	ug/l	99
14) Allyl chloride	2.654	41	36269	18.884	ug/l	99
15) Acrylonitrile	3.062	53	64772	99.016	ug/l	98
16) Acetone	2.386	43	63457	100.219	ug/l	98
17) Carbon Disulfide	2.502	76	36188	14.474	ug/l	98
18) Methyl Acetate	2.703	43	33397	22.909	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	72099	20.361	ug/l	99
20) Methylene Chloride	2.782	84	22948	19.359	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	19175	18.542	ug/l	94
22) Diisopropyl ether	3.763	45	74151	19.599	ug/l	97
23) Vinyl Acetate	3.721	43	320471	98.039	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41001	19.162	ug/l	99
25) 2-Butanone	4.556	43	95825	103.387	ug/l	98
26) 2,2-Dichloropropane	4.465	77	28763	20.806	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23213	18.424	ug/l	96
28) Bromochloromethane	4.891	49	26597	25.723	ug/l	98
29) Tetrahydrofuran	5.007	42	59004	98.191	ug/l	99
30) Chloroform	5.086	83	43373	19.700	ug/l	93
31) Cyclohexane	5.464	56	34507	18.243	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	36032	19.341	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26656	18.517	ug/l	97
37) Ethyl Acetate	4.715	43	35089	19.342	ug/l	98
38) Carbon Tetrachloride	5.672	117	29414	18.906	ug/l	93
39) Methylcyclohexane	7.379	83	32952	18.674	ug/l	96
40) Benzene	6.031	78	82159	18.687	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19564	20.439	ug/l		97
42) 1,2-Dichloroethane	6.080	62	36989	20.370	ug/l		99
43) Isopropyl Acetate	6.342	43	55460	20.170	ug/l		99
44) Trichloroethene	7.123	130	19251	18.422	ug/l		99
45) 1,2-Dichloropropane	7.427	63	21096	19.231	ug/l		93
46) Dibromomethane	7.574	93	16560	19.665	ug/l		97
47) Bromodichloromethane	7.818	83	32810	19.510	ug/l		97
48) Methyl methacrylate	7.696	41	28607	20.151	ug/l		99
49) 1,4-Dioxane	7.659	88	11098	432.076	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	195029	106.998	ug/l		99
52) Toluene	8.714	92	50898	19.132	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27223	18.352	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	31424	19.884	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	21082	19.886	ug/l		97
56) Ethyl methacrylate	9.116	69	34367	20.947	ug/l		99
57) 1,3-Dichloropropane	9.305	76	38320	20.758	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	91986	110.832	ug/l		100
59) 2-Hexanone	9.427	43	143752	106.500	ug/l		99
60) Dibromochloromethane	9.519	129	22170	19.183	ug/l		100
61) 1,2-Dibromoethane	9.610	107	21539	20.071	ug/l		100
64) Tetrachloroethene	9.269	164	17919	19.248	ug/l		97
65) Chlorobenzene	10.079	112	55155	19.575	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	18774	19.192	ug/l		99
67) Ethyl Benzene	10.189	91	98437	19.506	ug/l		98
68) m/p-Xylenes	10.299	106	71463	38.936	ug/l		98
69) o-Xylene	10.640	106	35702	19.746	ug/l		98
70) Styrene	10.653	104	60067	20.128	ug/l		99
71) Bromoform	10.799	173	13766	18.847	ug/l	#	97
73) Isopropylbenzene	10.957	105	95325	18.828	ug/l		99
74) N-amyl acetate	10.841	43	47908	19.782	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	33971	19.101	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	29944m	19.422	ug/l		
77) Bromobenzene	11.195	156	21636	18.496	ug/l		99
78) n-propylbenzene	11.305	91	109219	18.729	ug/l		100
79) 2-Chlorotoluene	11.360	91	70992	19.042	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82413	19.685	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7708	16.968	ug/l		89
82) 4-Chlorotoluene	11.451	91	79146	19.041	ug/l		100
83) tert-Butylbenzene	11.713	119	81006	19.544	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	81630	19.427	ug/l		99
85) sec-Butylbenzene	11.890	105	100015	19.646	ug/l		99
86) p-Isopropyltoluene	12.006	119	80710	19.230	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39819	18.700	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40207	18.625	ug/l		97
89) n-Butylbenzene	12.329	91	70013	19.237	ug/l		98
90) Hexachloroethane	12.536	117	12972	17.984	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41172	19.448	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7559	20.323	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	23156	19.650	ug/l		95
94) Hexachlorobutadiene	13.725	225	9675	19.053	ug/l		98
95) Naphthalene	13.774	128	87280	19.903	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	23791	19.280	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

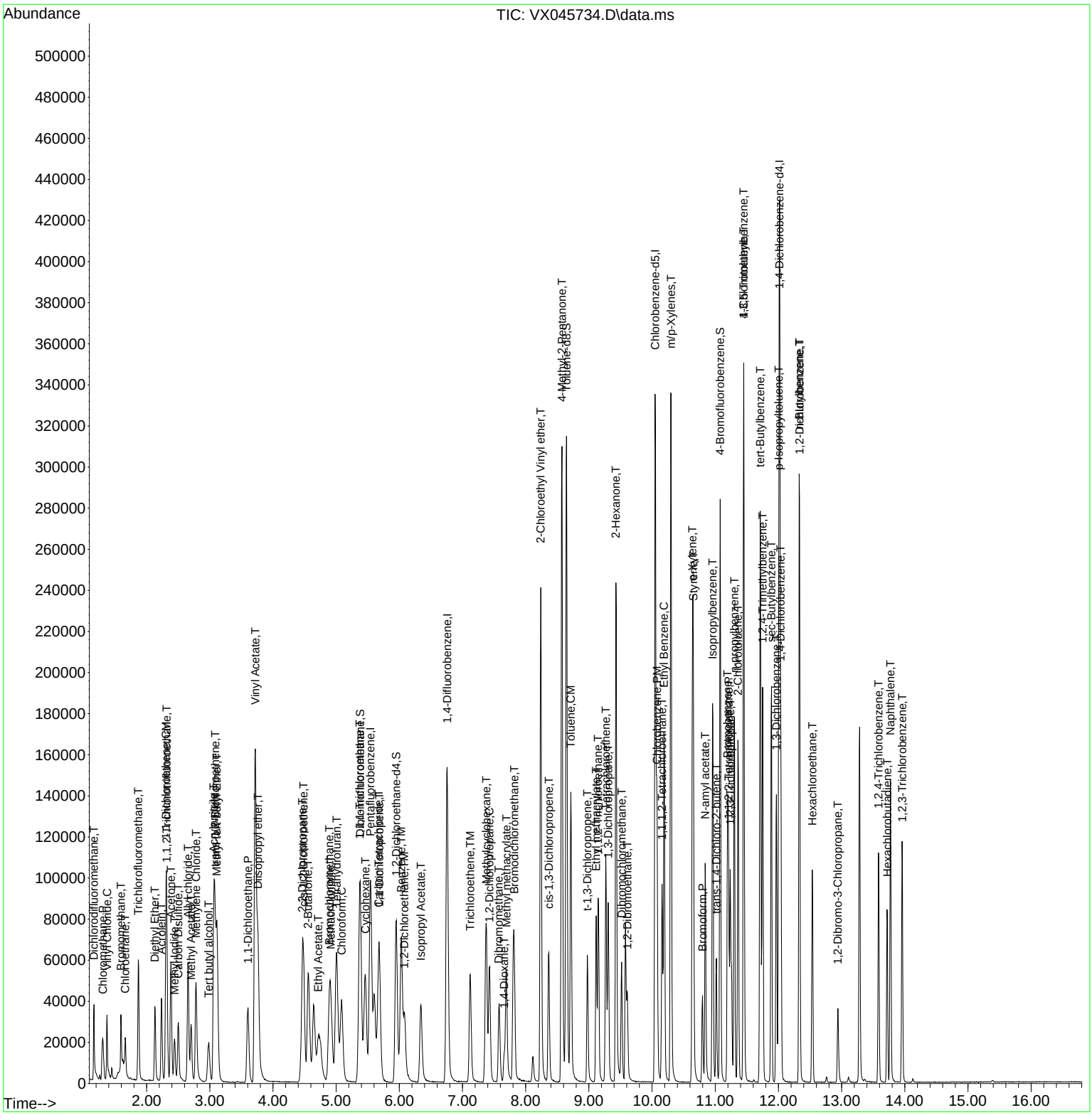
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Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

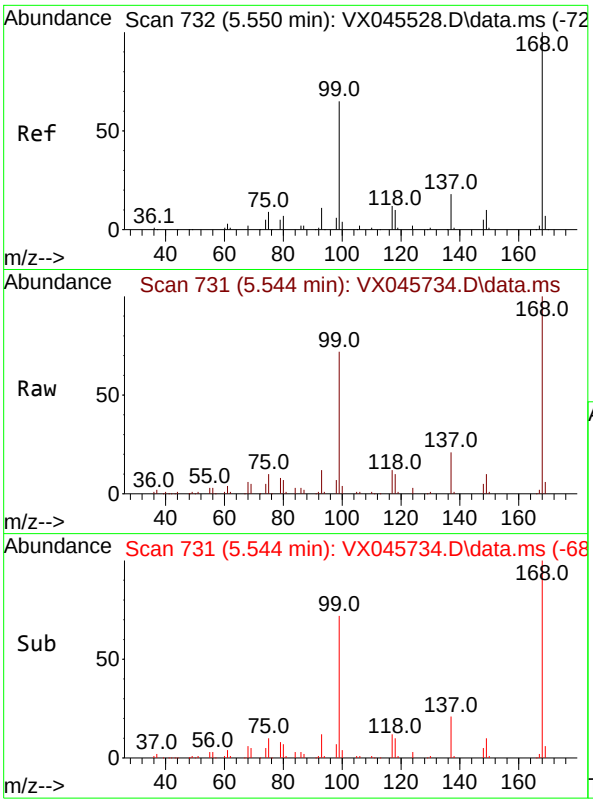
Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

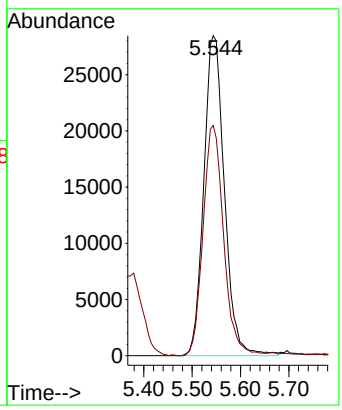




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:168 Resp: 8432

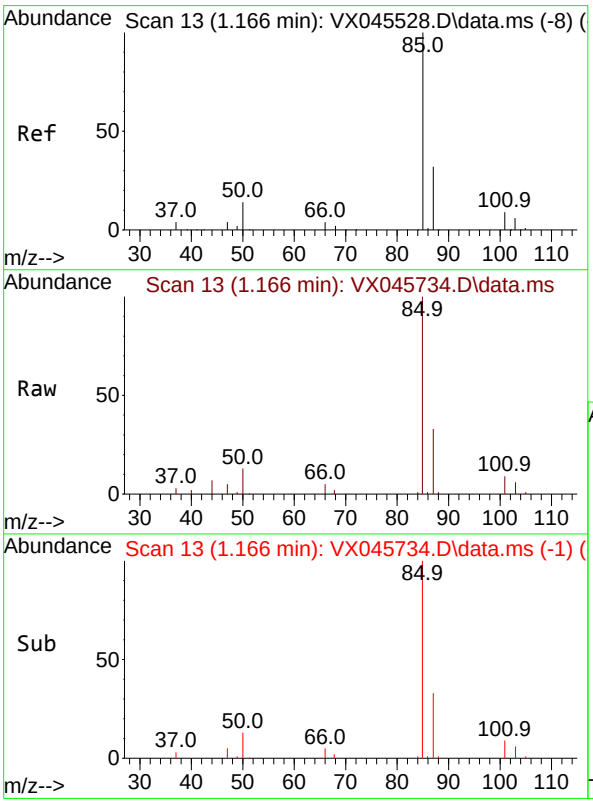
Ion	Ratio	Lower	Upper
168	100		
99	72.0	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

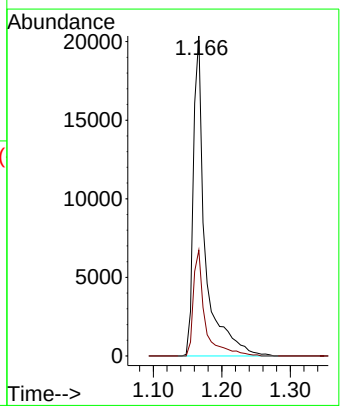
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

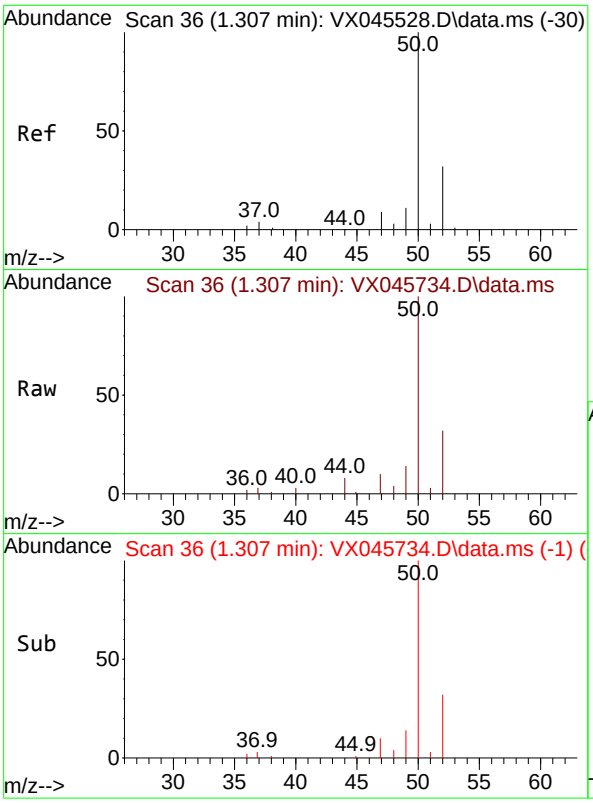


#2
Dichlorodifluoromethane
Concen: 19.528 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 85 Resp: 24625

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.2

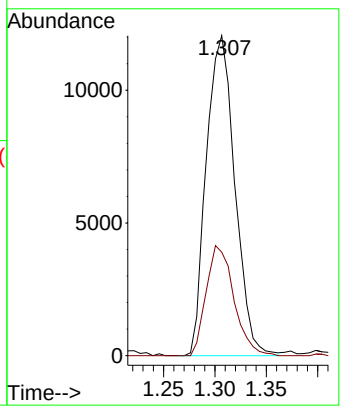




#3
Chloromethane
Concen: 18.007 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 50 Resp: 2332

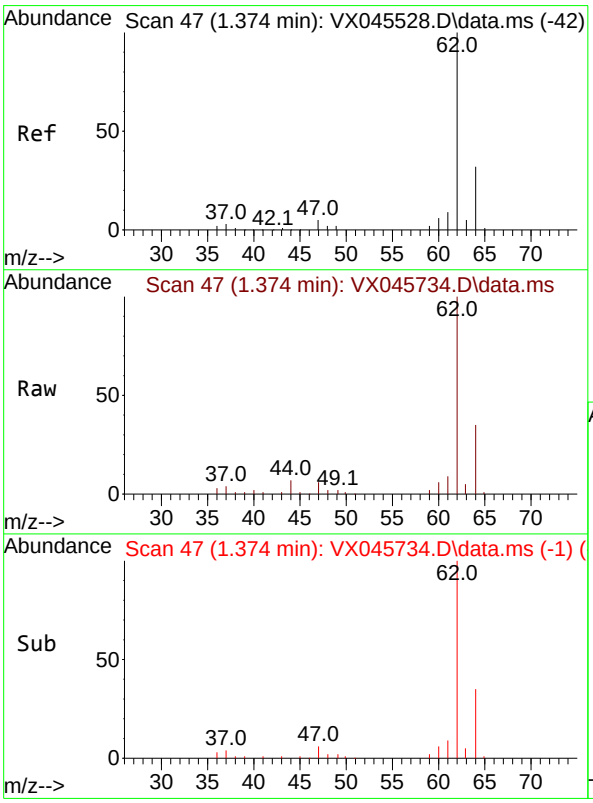
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

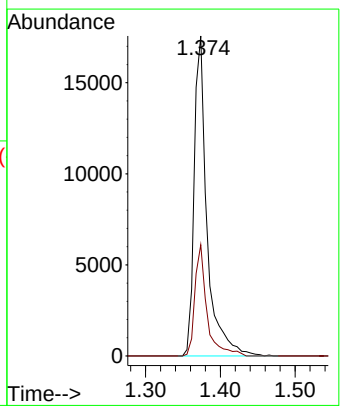
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

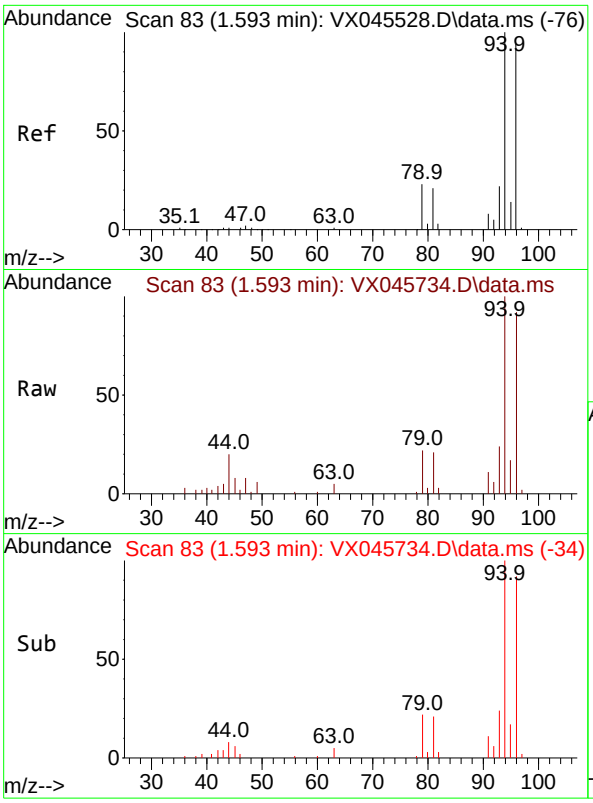


#4
Vinyl Chloride
Concen: 17.634 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 20906

Ion	Ratio	Lower	Upper
62	100		
64	34.7	25.5	38.3

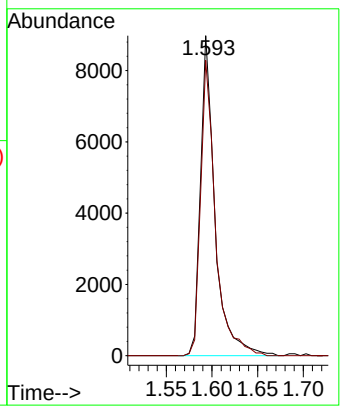




#5
Bromomethane
Concen: 17.569 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 94 Resp: 987

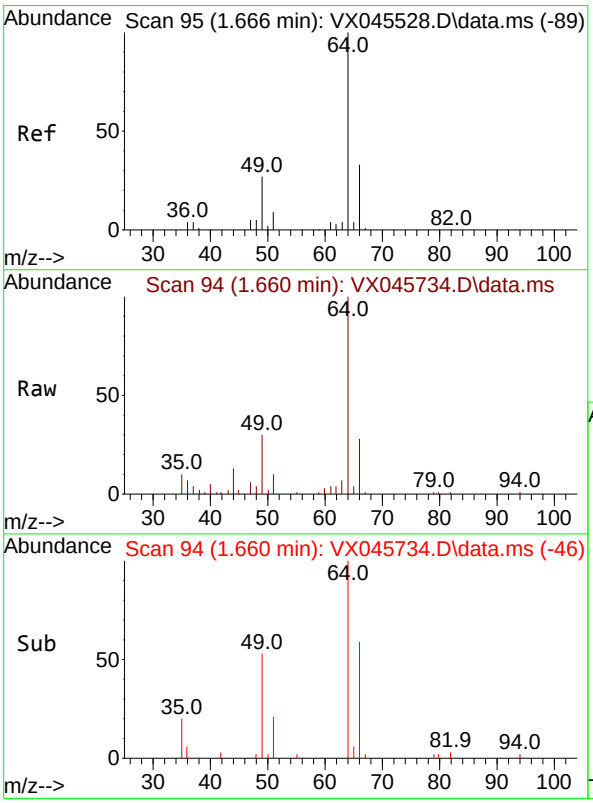
Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

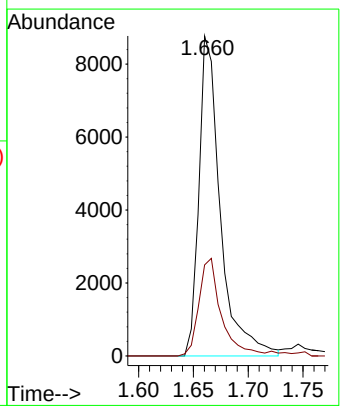
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

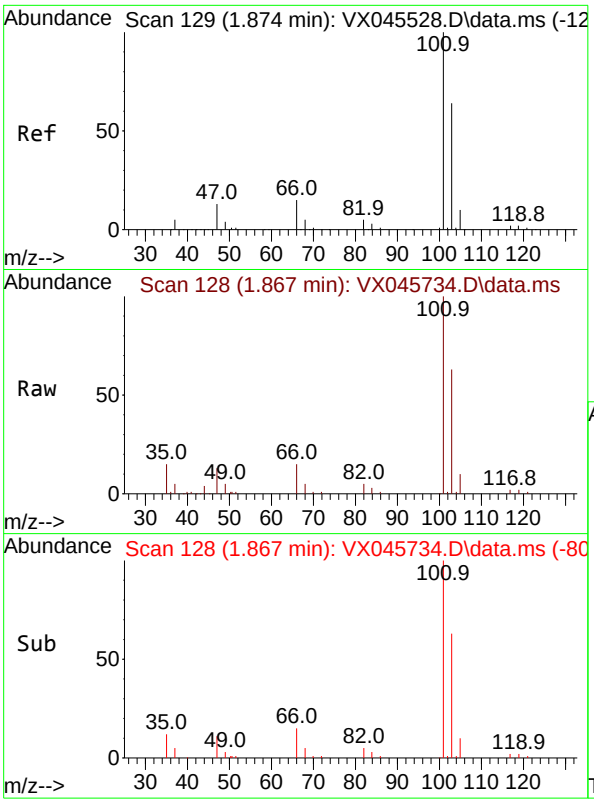


#6
Chloroethane
Concen: 18.957 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 64 Resp: 11924

Ion	Ratio	Lower	Upper
64	100		
66	28.4	26.3	39.5

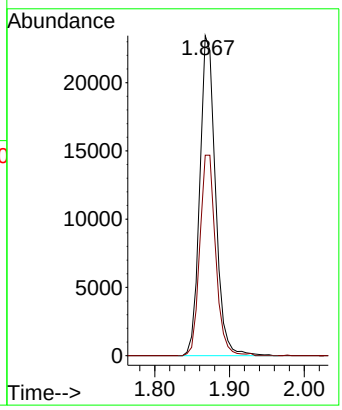




#7
Trichlorofluoromethane
Concen: 19.289 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:101 Resp: 3410

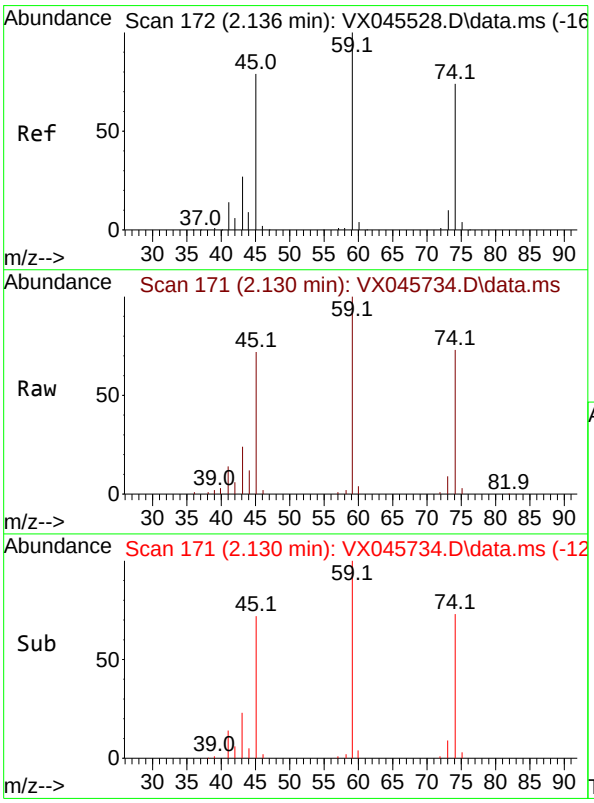
Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

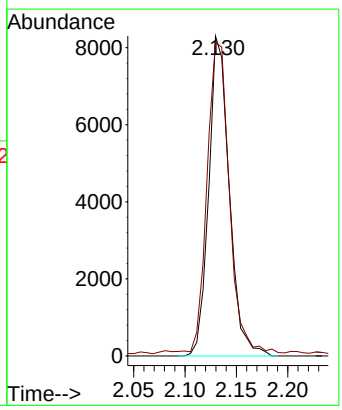
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

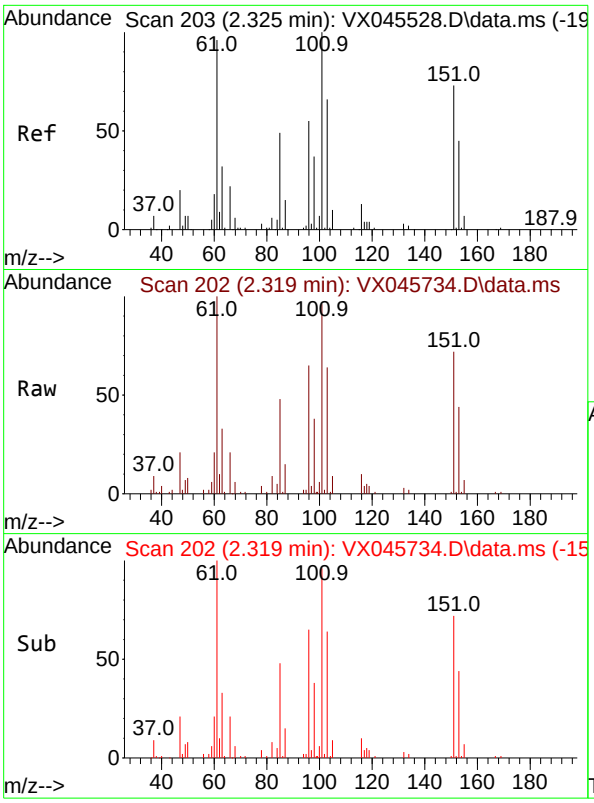


#8
Diethyl Ether
Concen: 19.421 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 74 Resp: 11527

Ion	Ratio	Lower	Upper
74	100		
45	104.9	53.0	159.1

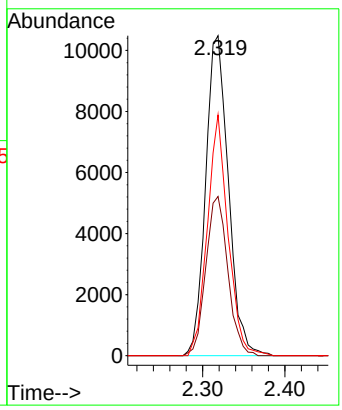




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.431 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:101 Resp: 2013

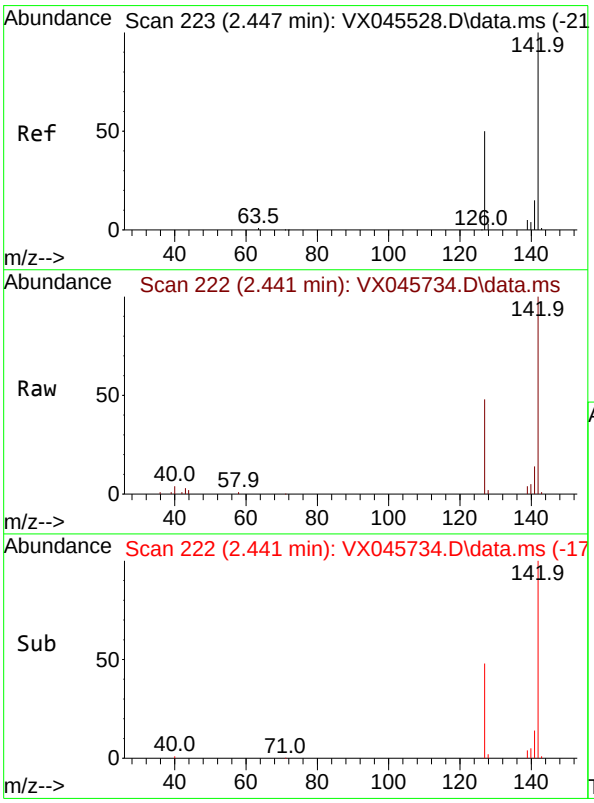
Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.9	58.3
151	68.5	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

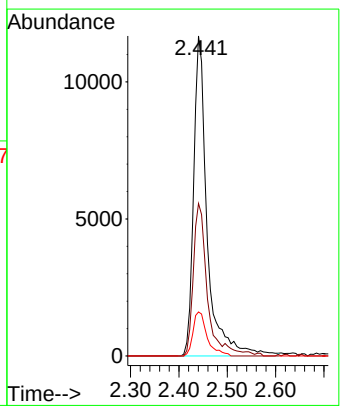
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

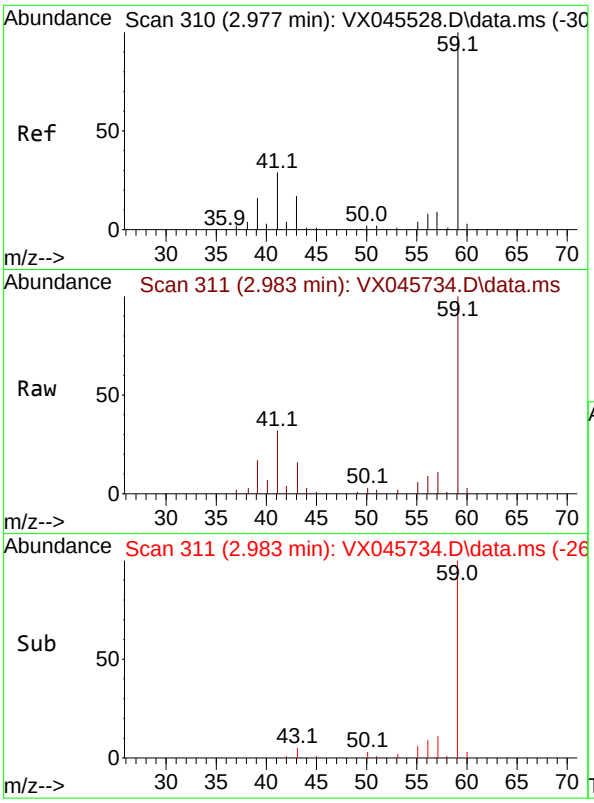


#10
Methyl Iodide
Concen: 17.637 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:142 Resp: 22790

Ion	Ratio	Lower	Upper
142	100		
127	49.6	40.2	60.4
141	14.2	11.7	17.5

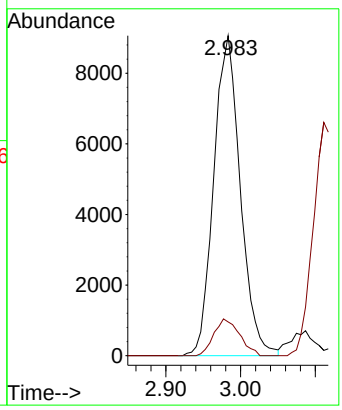




#11
Tert butyl alcohol
Concen: 108.275 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 59 Resp: 2243

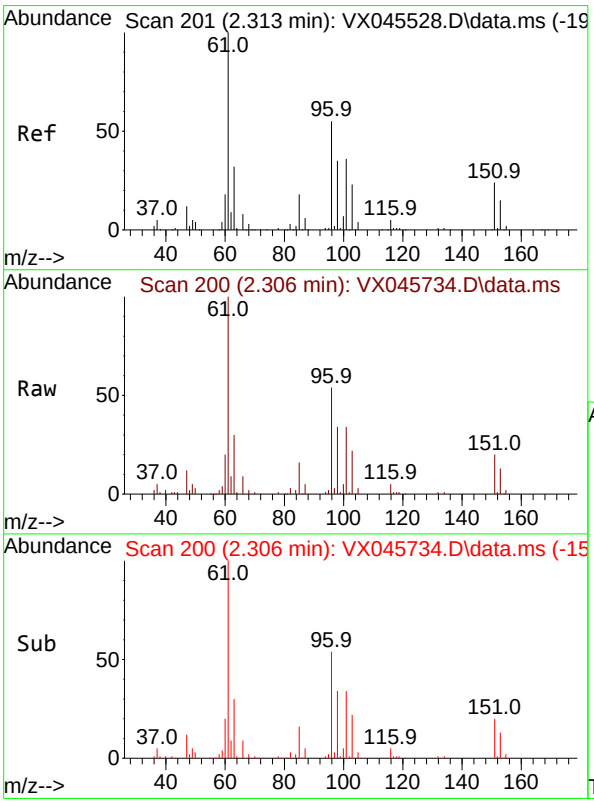
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

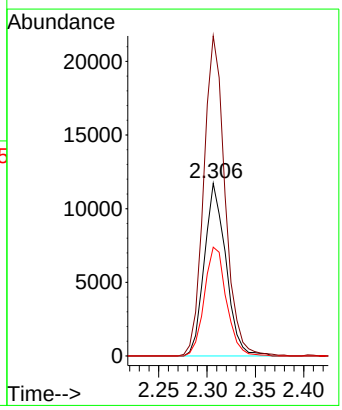
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

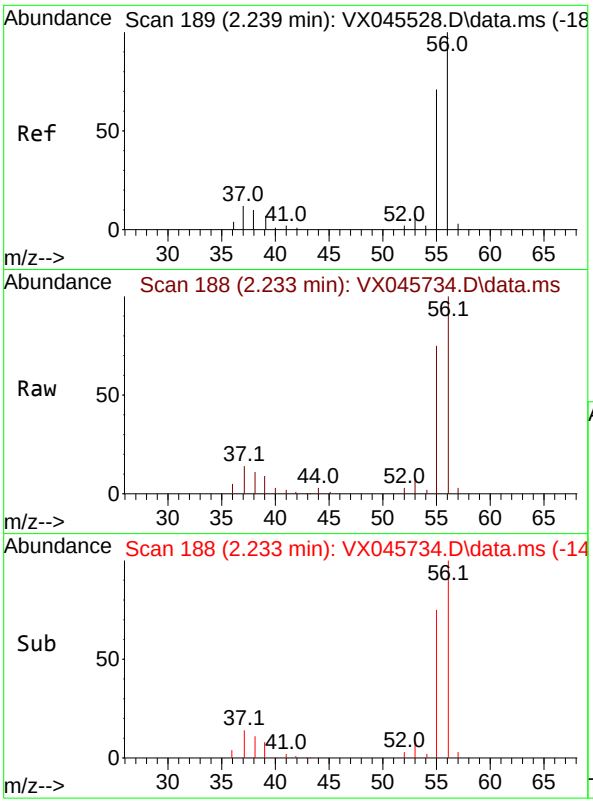


#12
1,1-Dichloroethene
Concen: 17.941 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 18161

Ion	Ratio	Lower	Upper
96	100		
61	185.3	145.7	218.5
98	63.0	51.6	77.4

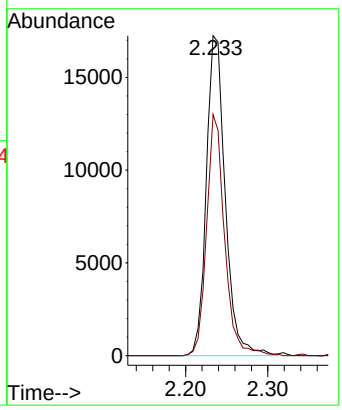




#13
Acrolein
Concen: 96.712 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 56 Resp: 2759

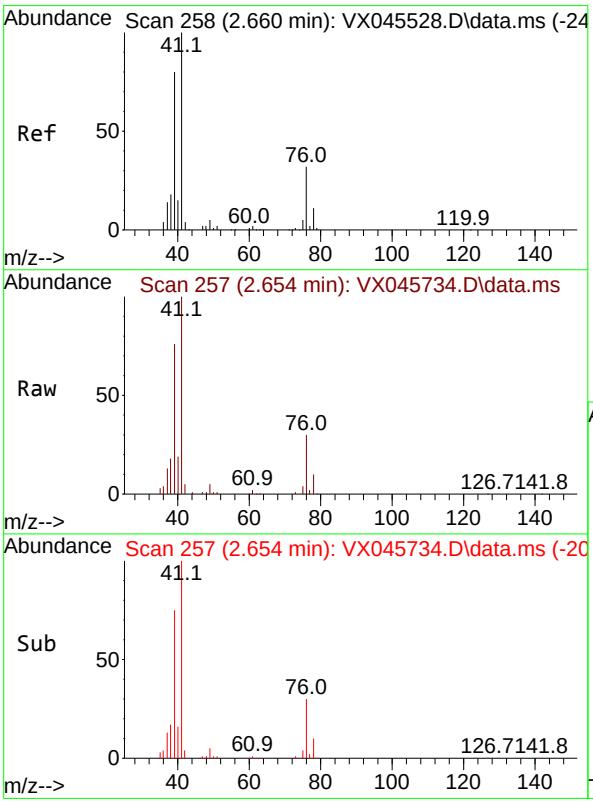
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

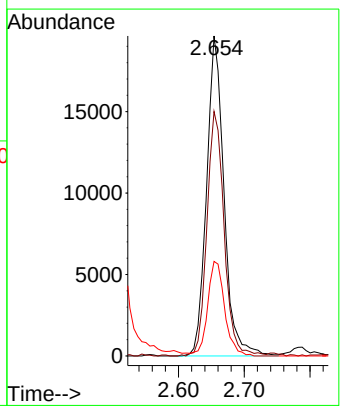
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

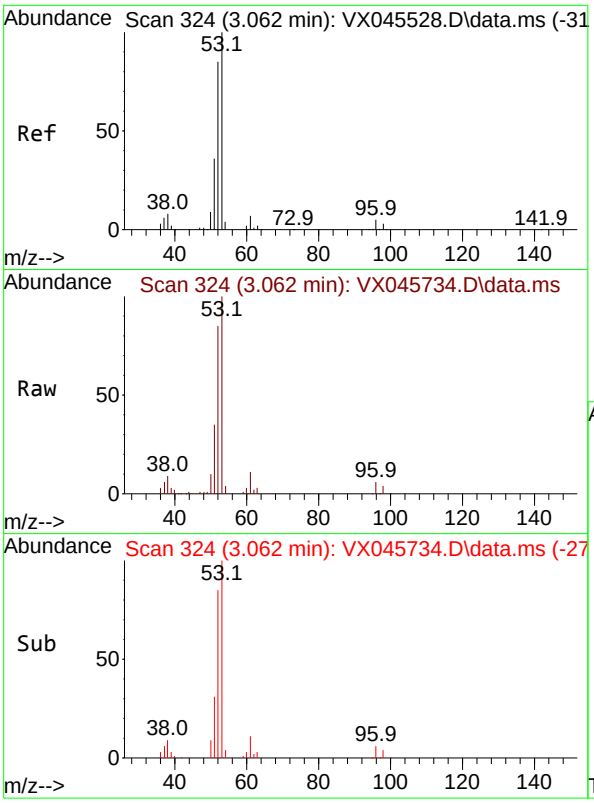


#14
Allyl chloride
Concen: 18.884 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 36269

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	28.8	24.6	36.8

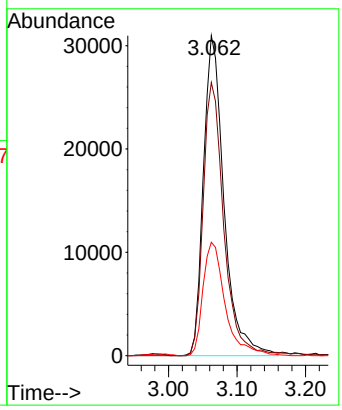




#15
Acrylonitrile
Concen: 99.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 53 Resp: 6477

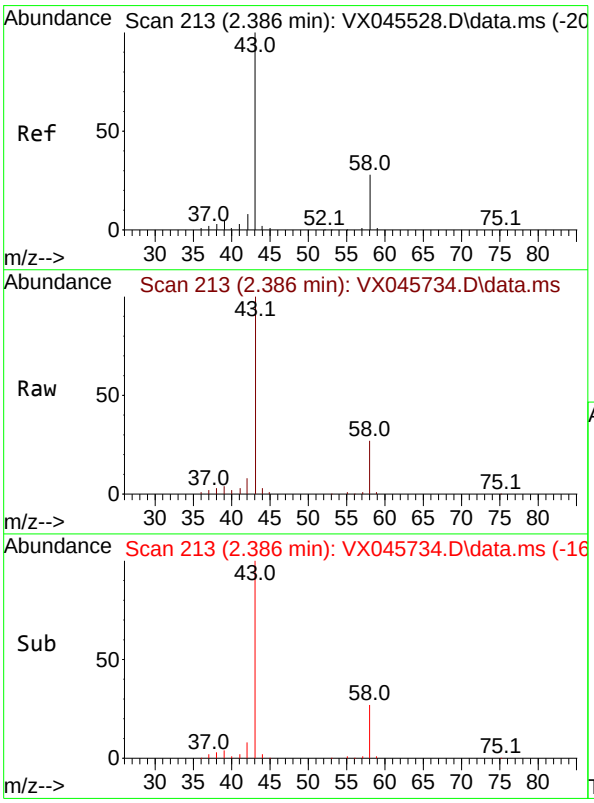
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.4	101.2
51	38.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

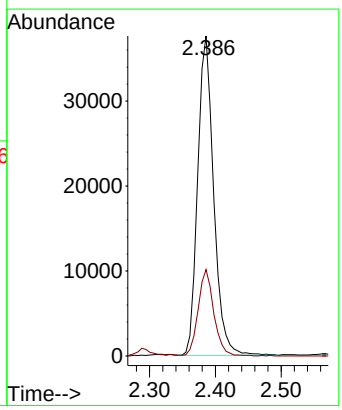
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

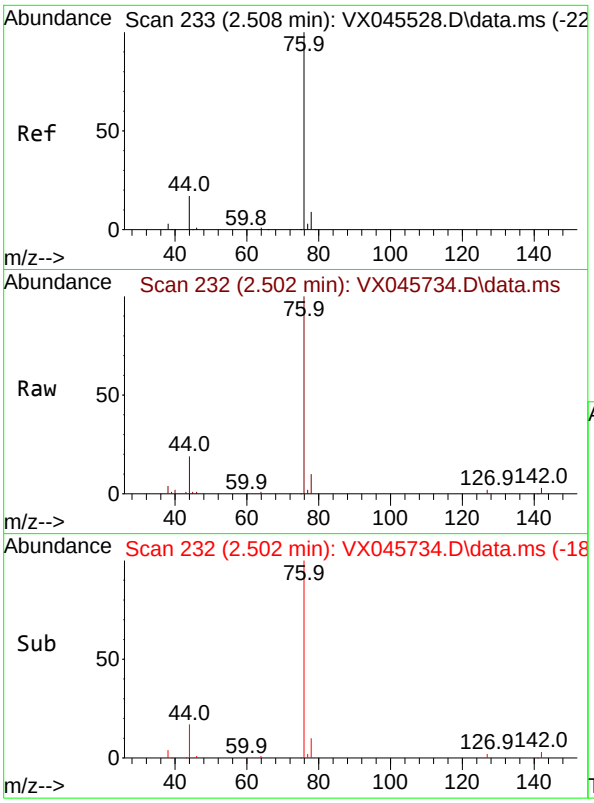


#16
Acetone
Concen: 100.219 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 63457

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5

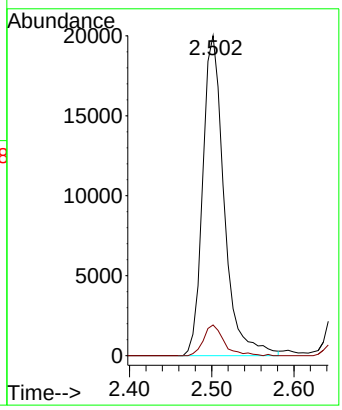




#17
Carbon Disulfide
Concen: 14.474 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 76 Resp: 3618

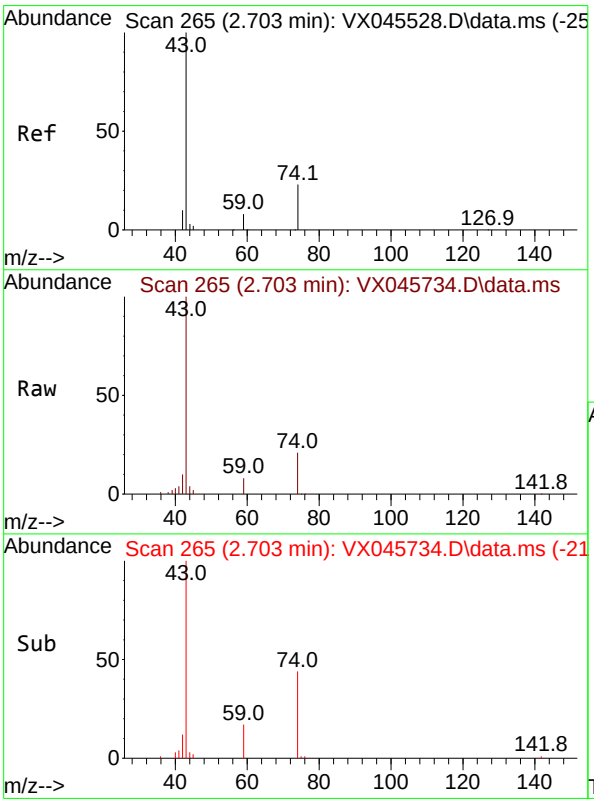
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

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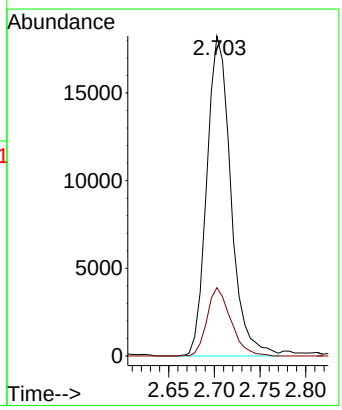
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

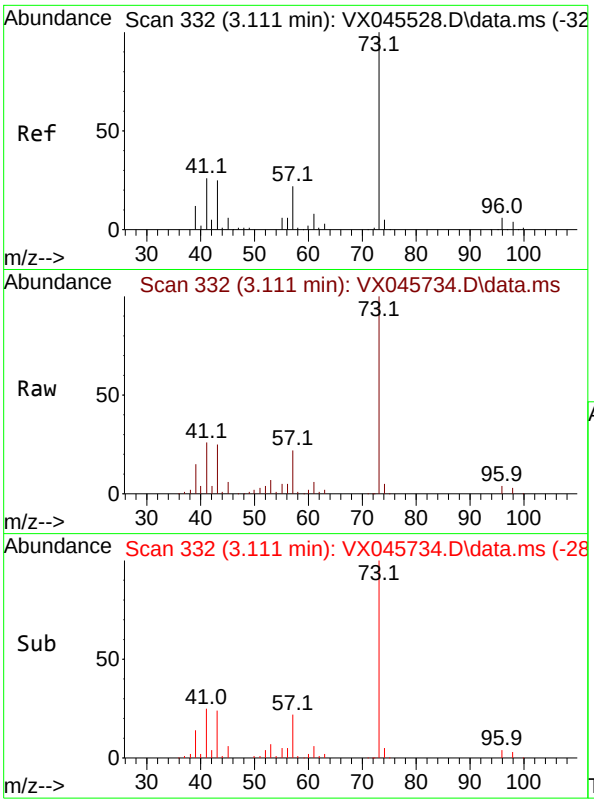


#18
Methyl Acetate
Concen: 22.909 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 33397

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.5	26.3

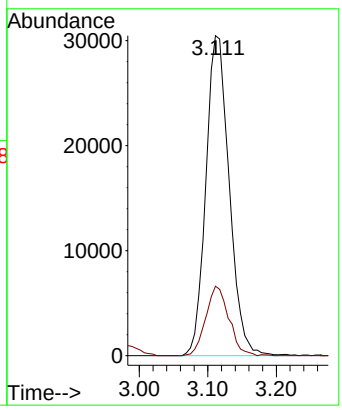




#19
Methyl tert-butyl Ether
Concen: 20.361 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 73 Resp: 7209

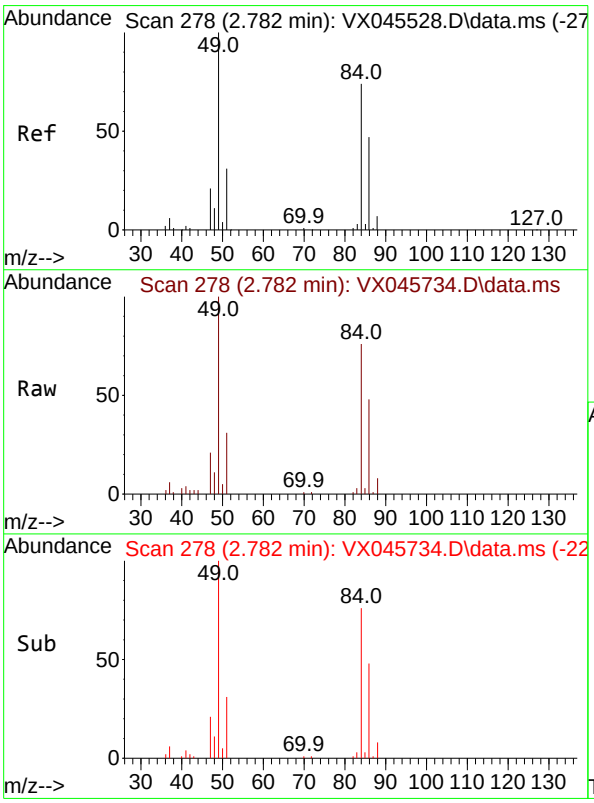
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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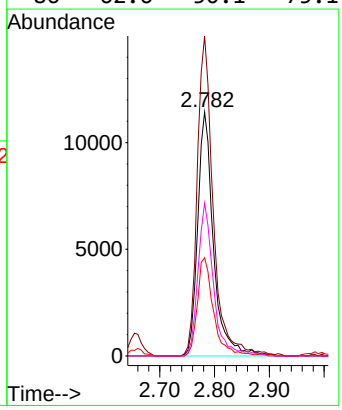
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

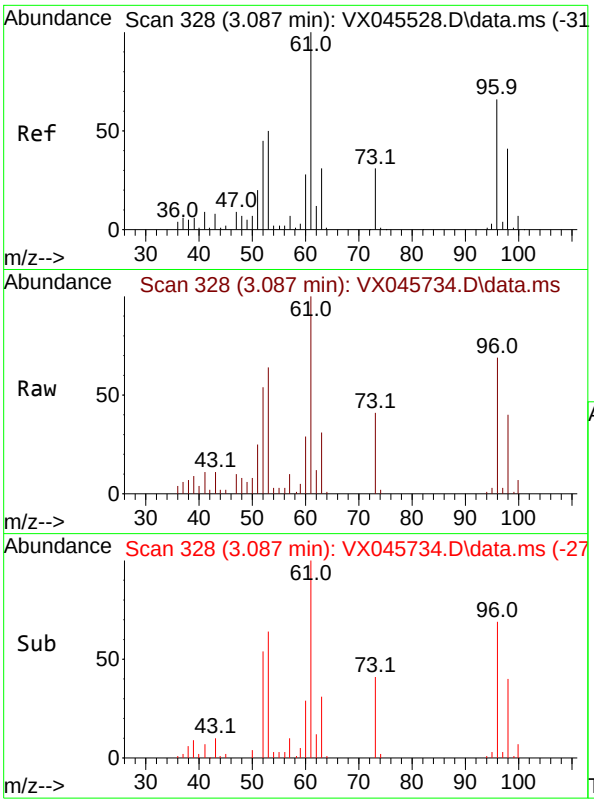


#20
Methylene Chloride
Concen: 19.359 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 84 Resp: 22948

Ion	Ratio	Lower	Upper
84	100		
49	131.1	107.5	161.3
51	40.3	33.0	49.6
86	62.6	50.1	75.1

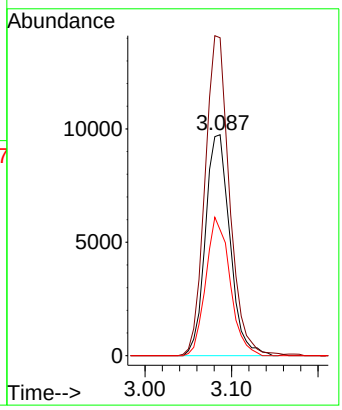




#21
trans-1,2-Dichloroethene
Concen: 18.542 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 1917

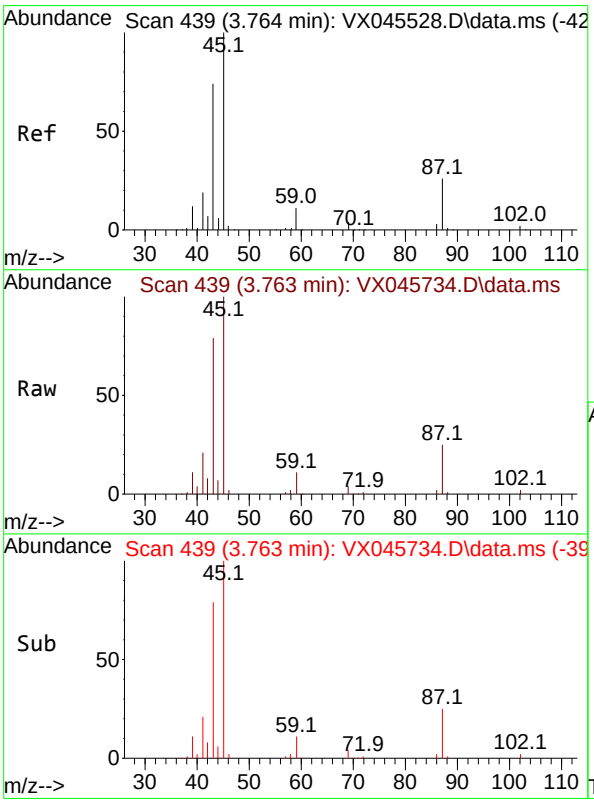
Ion	Ratio	Lower	Upper
96	100		
61	143.9	121.0	181.6
98	56.9	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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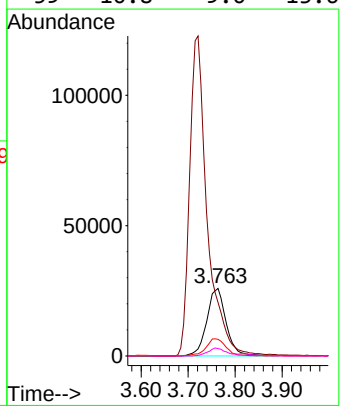
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

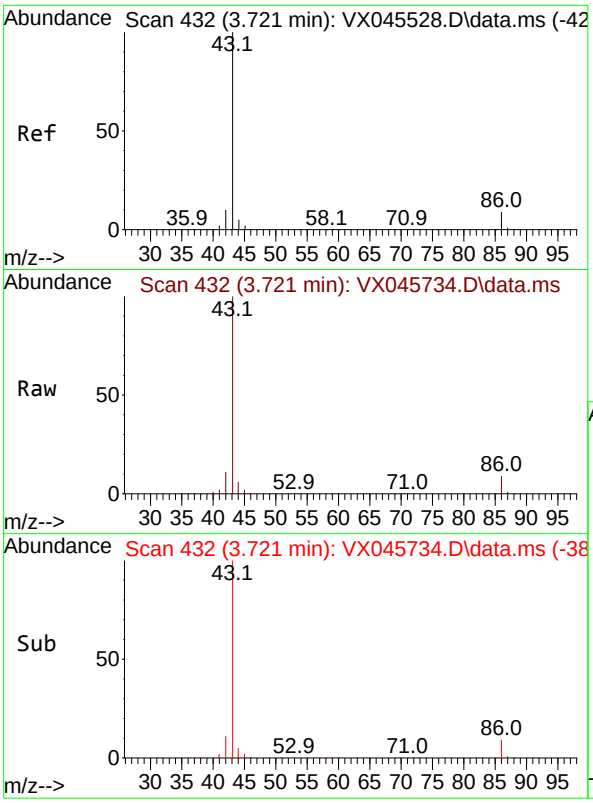


#22
Diisopropyl ether
Concen: 19.599 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 45 Resp: 74151

Ion	Ratio	Lower	Upper
45	100		
43	77.6	59.3	88.9
87	24.7	20.4	30.6
59	10.8	9.0	13.6





#23
Vinyl Acetate
Concen: 98.039 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

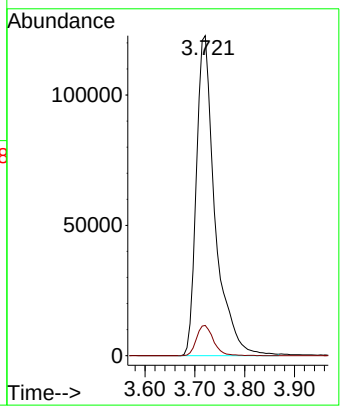
Tgt Ion: 43 Resp: 32047

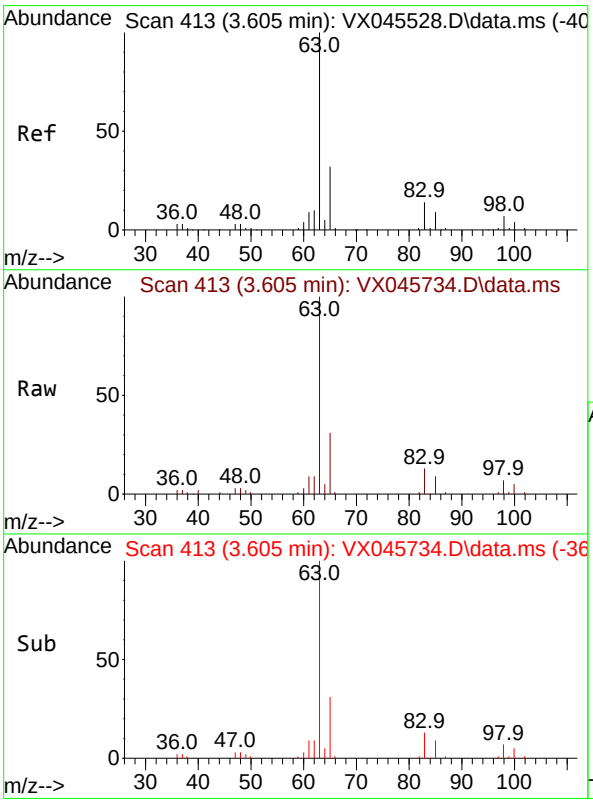
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

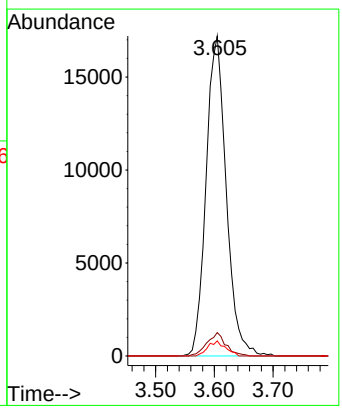


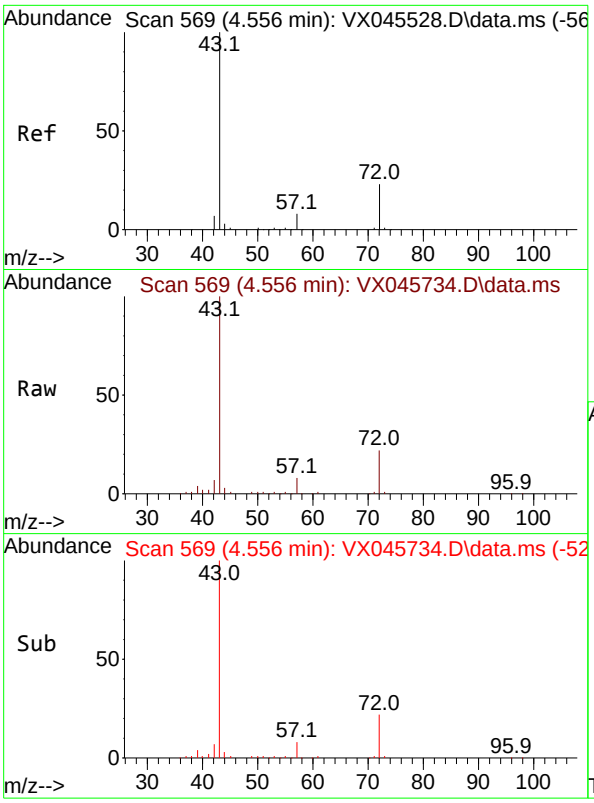


#24
1,1-Dichloroethane
Concen: 19.162 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 41001

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.7	2.2	6.6

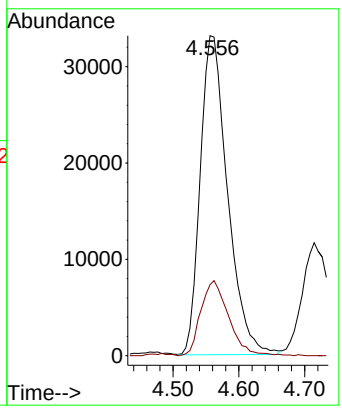




#25
2-Butanone
Concen: 103.387 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 9582

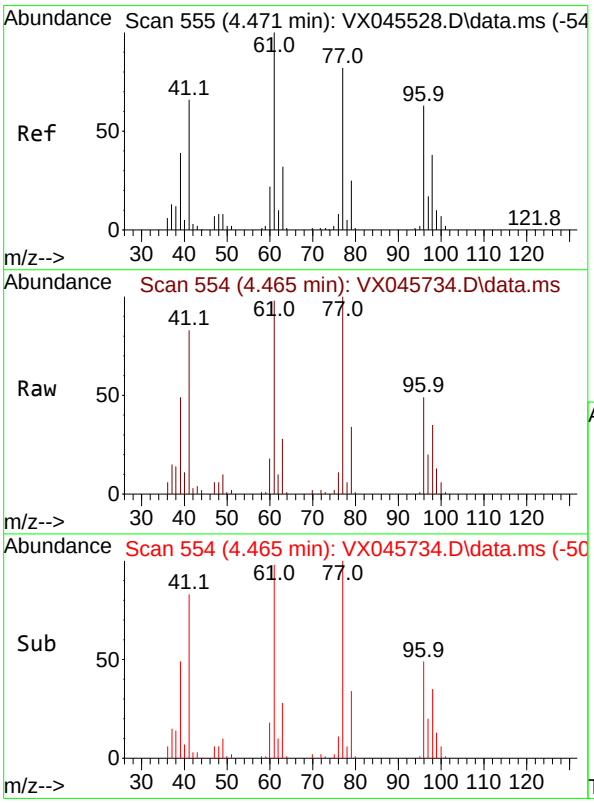
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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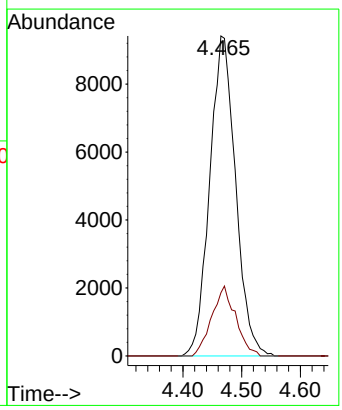
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

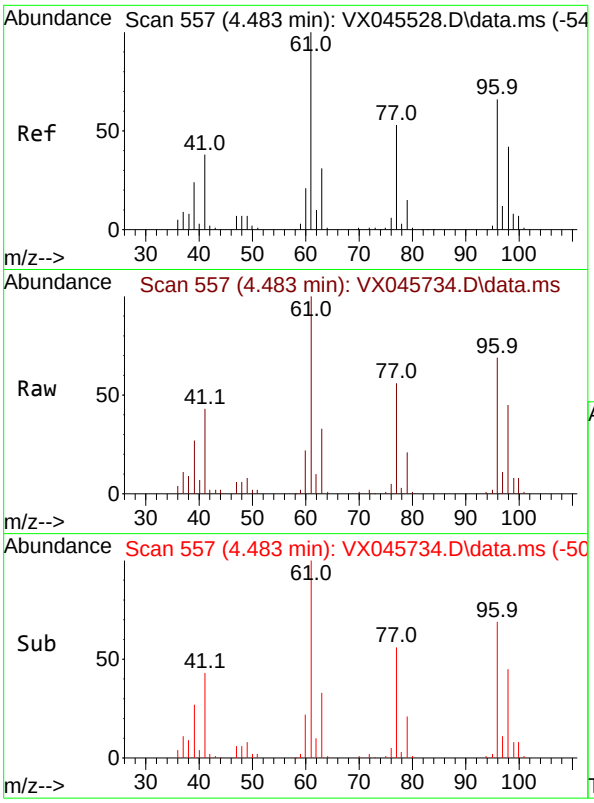


#26
2,2-Dichloropropane
Concen: 20.806 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 77 Resp: 28763

Ion	Ratio	Lower	Upper
77	100		
97	20.2	10.6	31.8

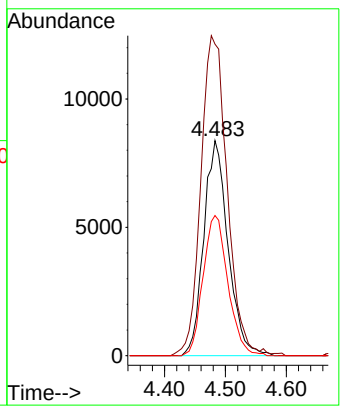




#27
cis-1,2-Dichloroethene
Concen: 18.424 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 2321

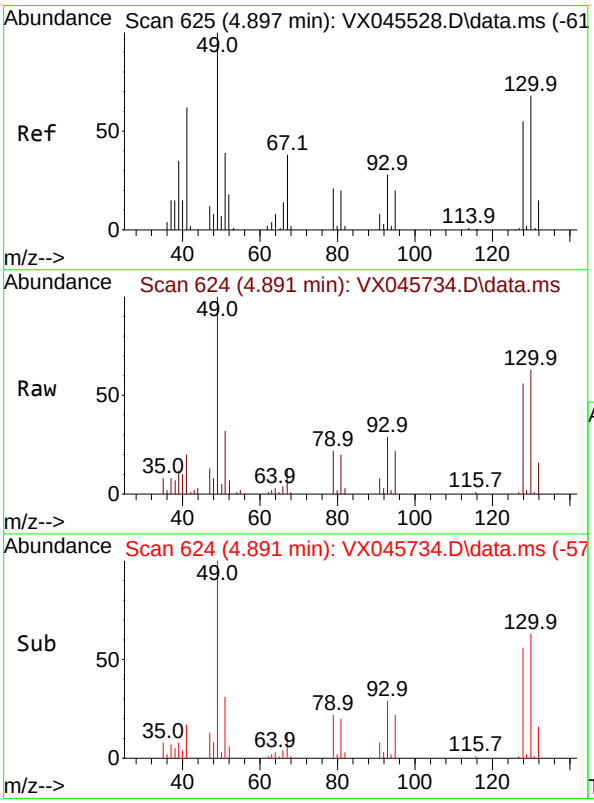
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	313.2
98	66.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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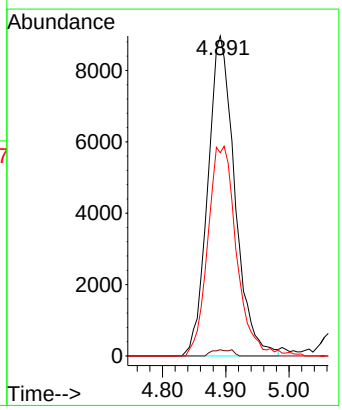
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

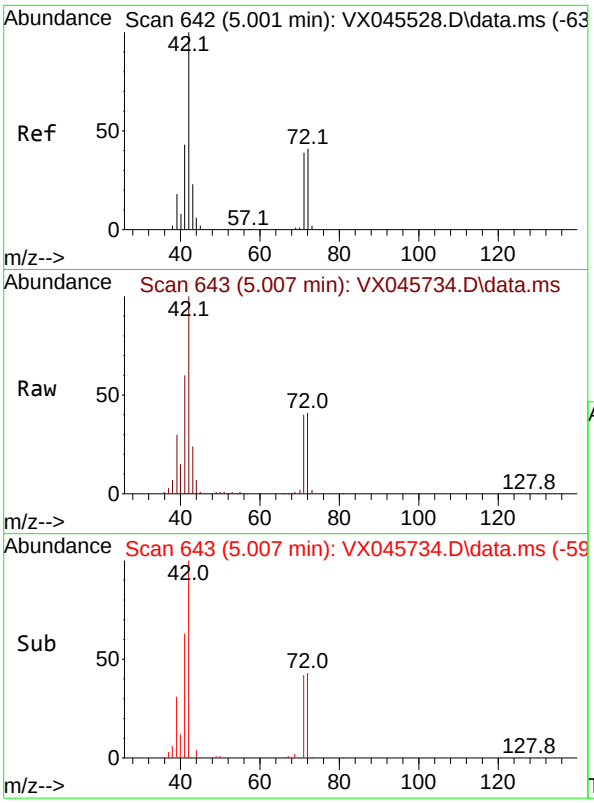


#28
Bromochloromethane
Concen: 25.723 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 49 Resp: 26597

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.9	54.6	81.8





#29
Tetrahydrofuran
Concen: 98.191 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

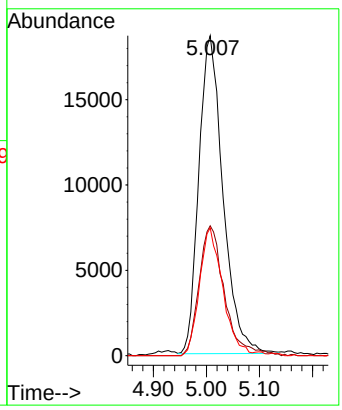
Tgt Ion: 42 Resp: 5900

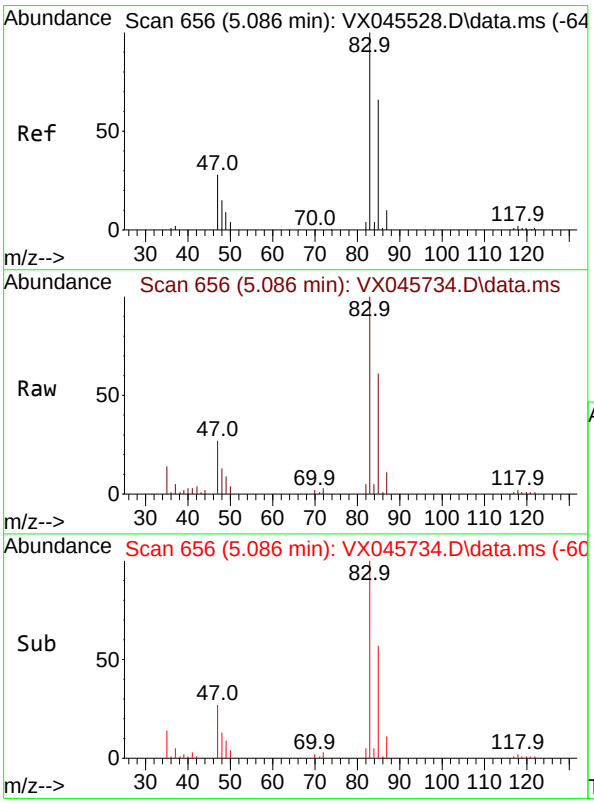
Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.0
71	38.6	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

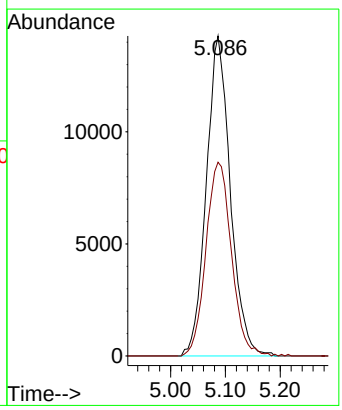


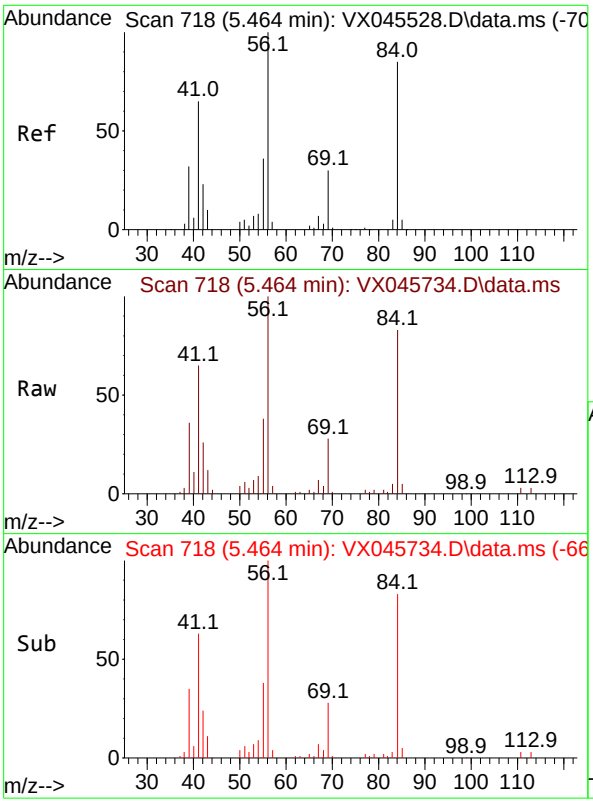


#30
Chloroform
Concen: 19.700 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 43373

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.8	79.2

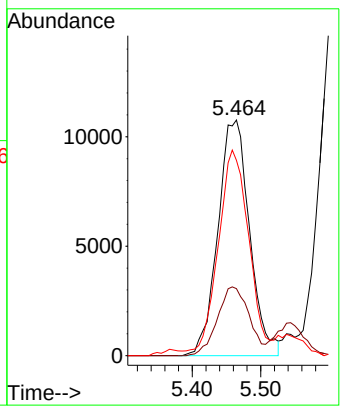




#31
Cyclohexane
Concen: 18.243 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 56 Resp: 3450

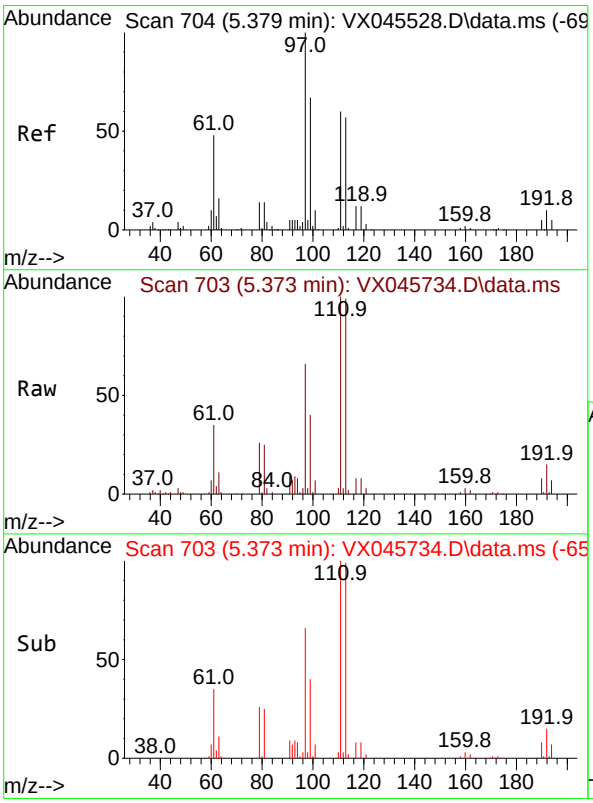
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.6	35.4
84	80.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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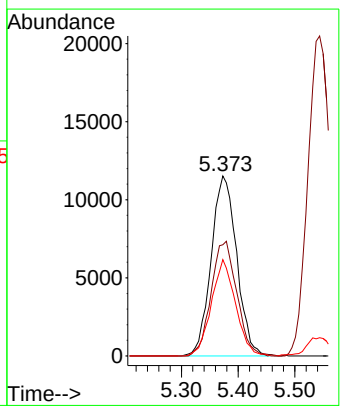
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

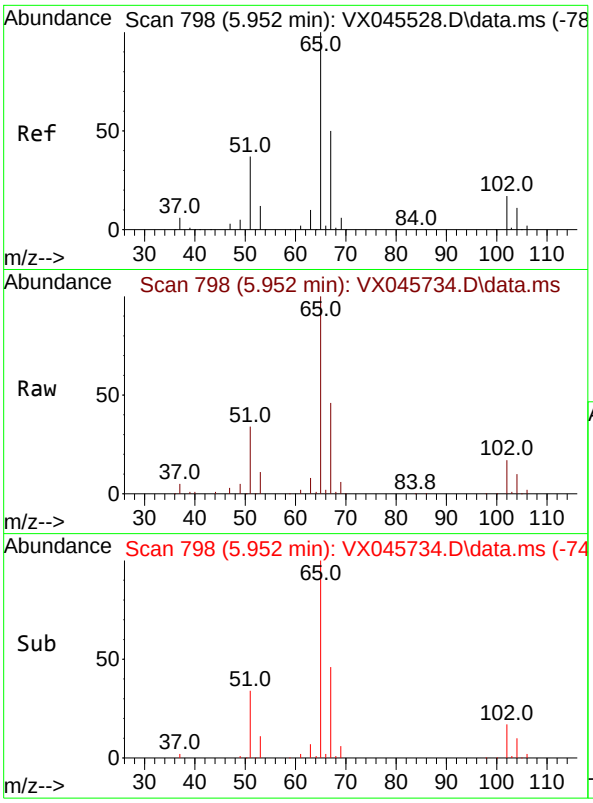


#32
1,1,1-Trichloroethane
Concen: 19.341 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 97 Resp: 36032

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	50.7	41.0	61.4

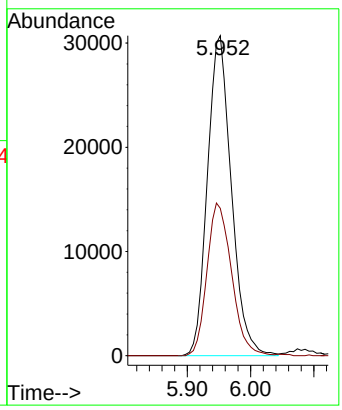




#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 65 Resp: 8068

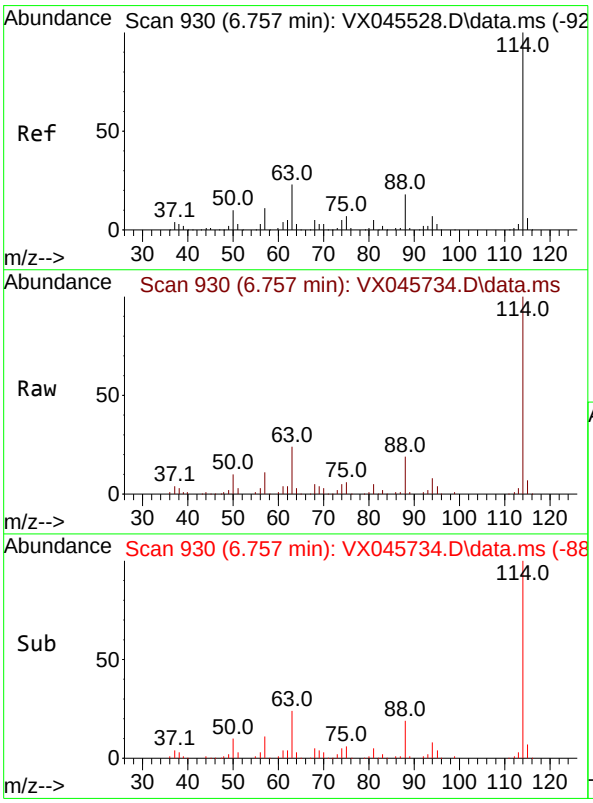
Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

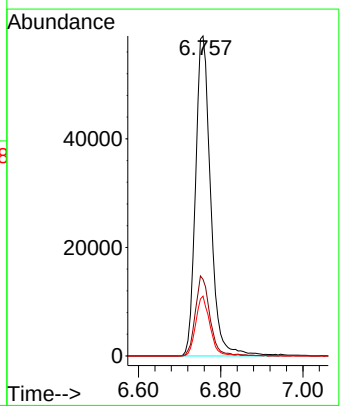
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

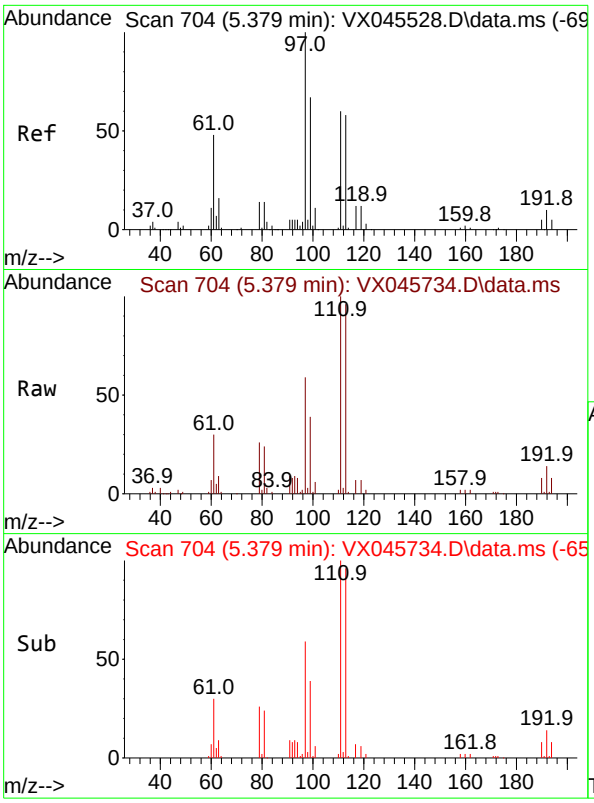


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:114 Resp: 150272

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	18.7	0.0	35.4

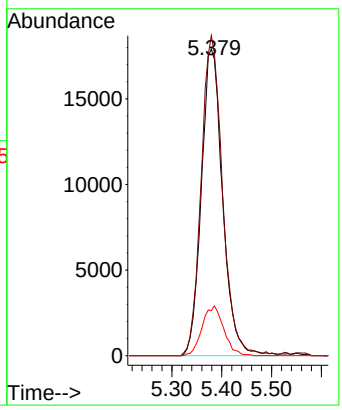




#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:113 Resp: 5311

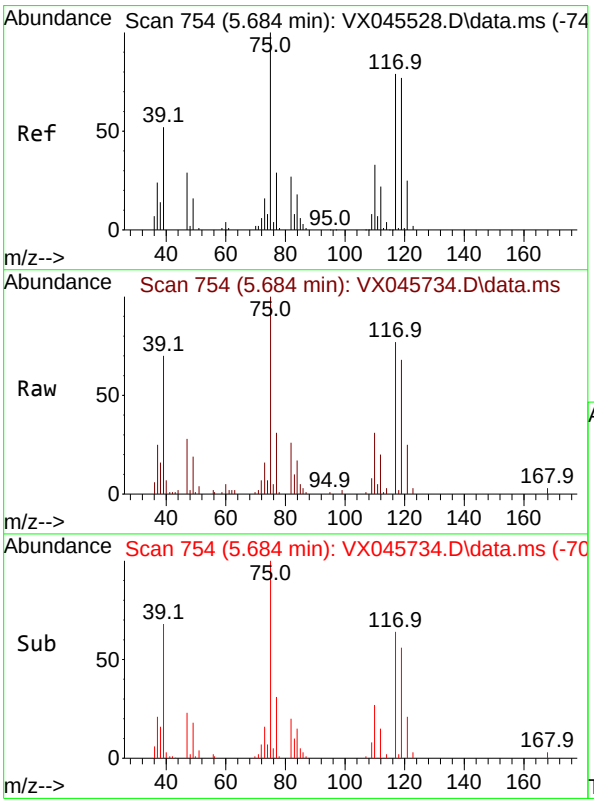
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	16.5	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

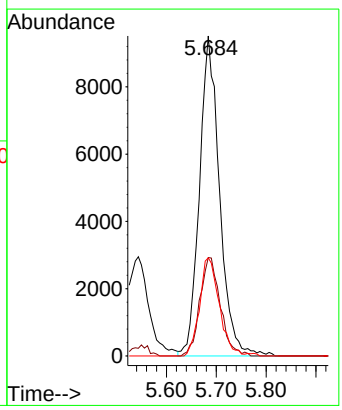
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

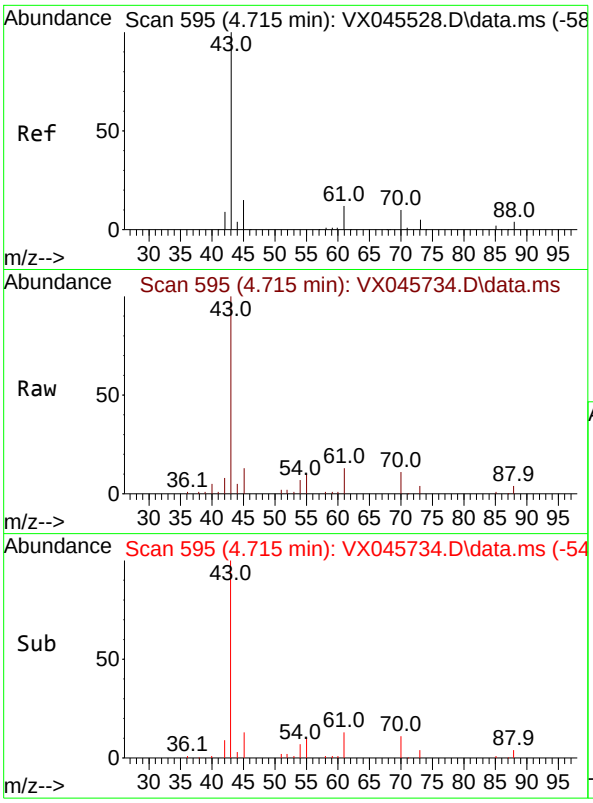


#36
1,1-Dichloropropene
Concen: 18.517 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 26656

Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.9	50.6
77	29.9	25.0	37.4

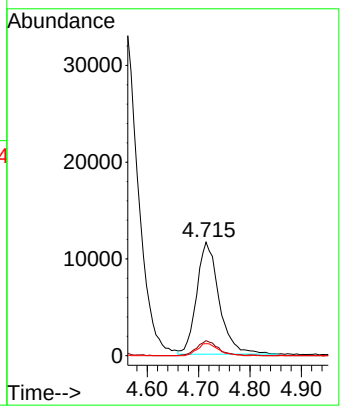




#37
Ethyl Acetate
Concen: 19.342 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 3508

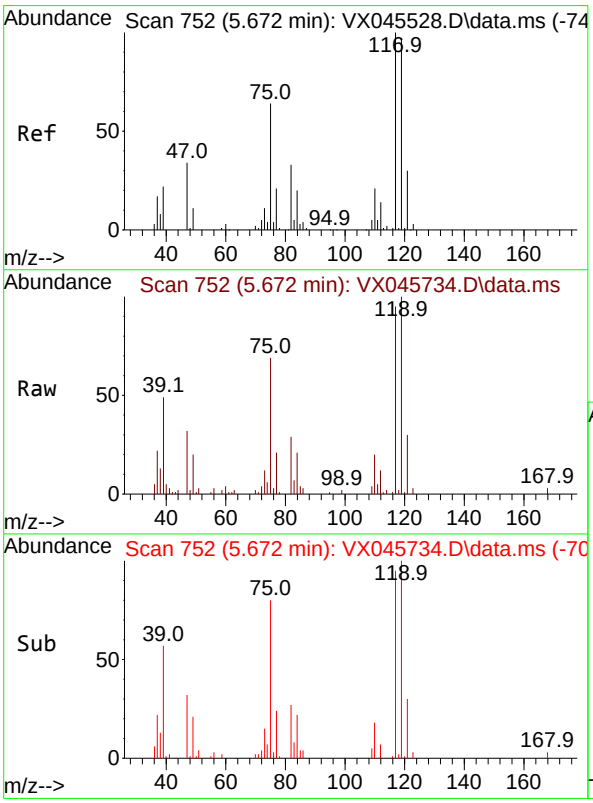
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

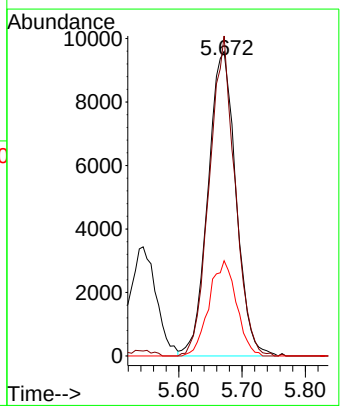
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

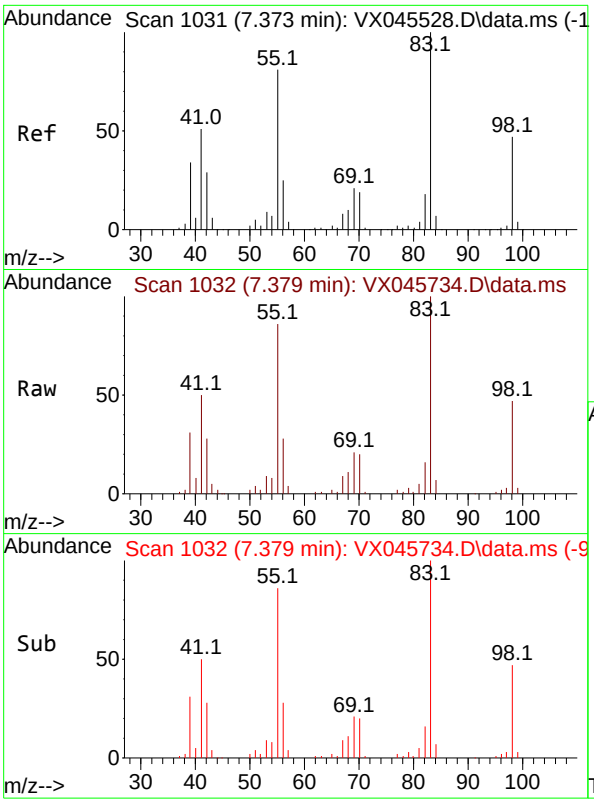


#38
Carbon Tetrachloride
Concen: 18.906 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 29414

Ion	Ratio	Lower	Upper
117	100		
119	105.1	76.9	115.3
121	31.3	24.2	36.2

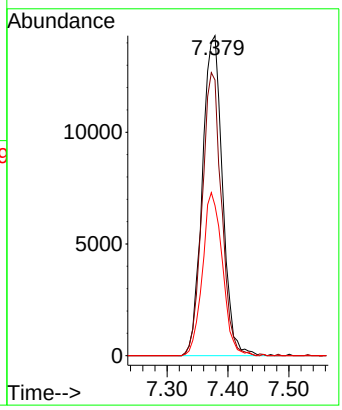




#39
Methylcyclohexane
Concen: 18.674 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3295

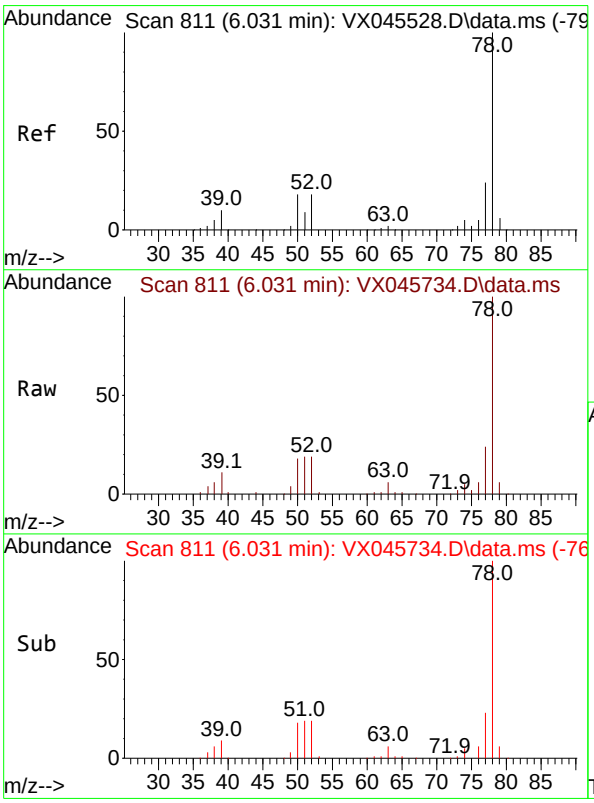
Ion	Ratio	Lower	Upper
83	100		
55	86.2	64.9	97.3
98	46.9	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

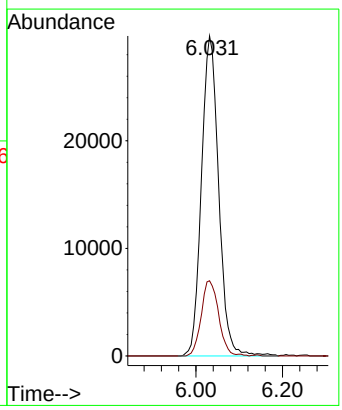
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

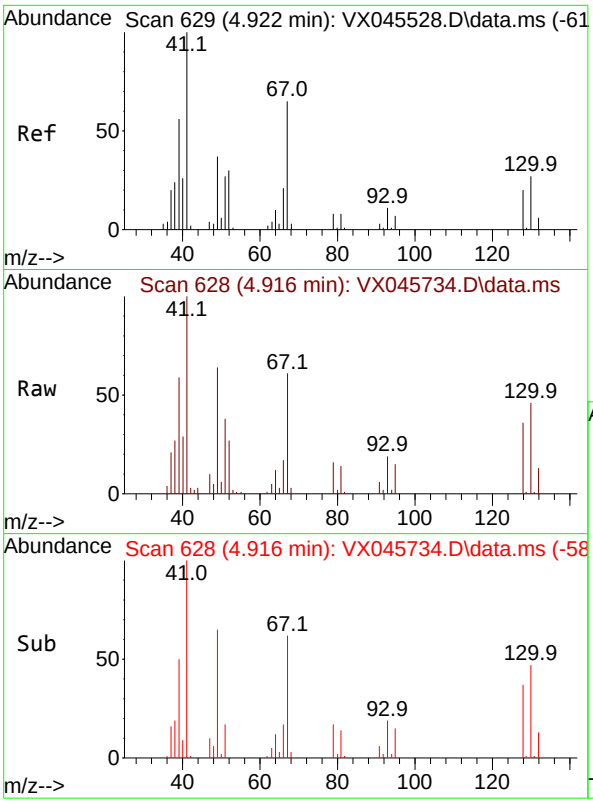


#40
Benzene
Concen: 18.687 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 78 Resp: 82159

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

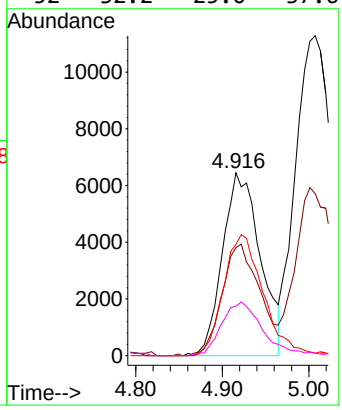




#41
Methacrylonitrile
Concen: 20.439 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 1956

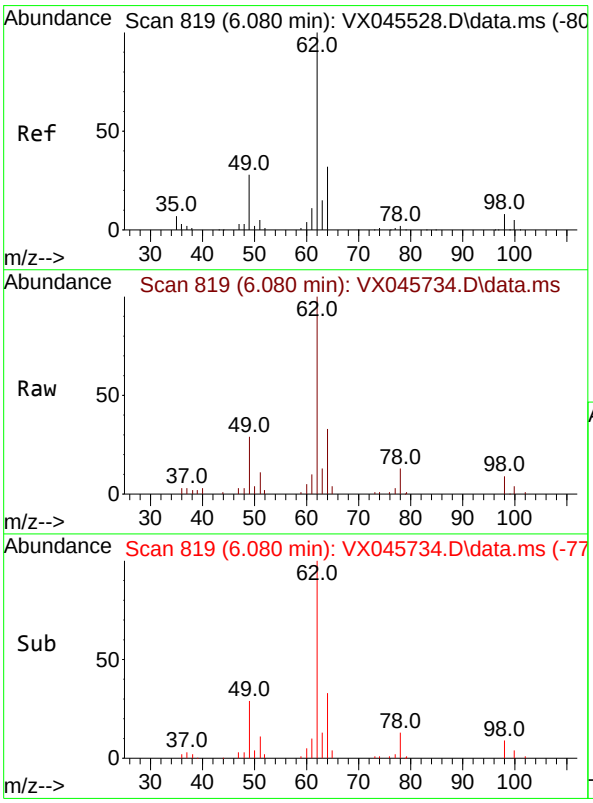
Ion	Ratio	Lower	Upper
41	100		
39	61.2	47.0	70.6
67	70.0	53.2	79.8
52	32.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

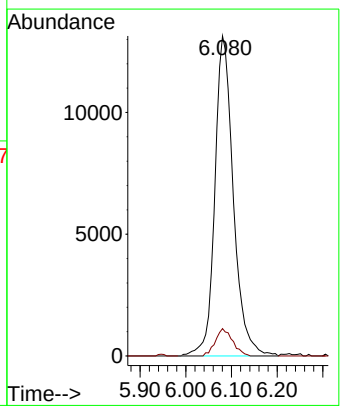
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

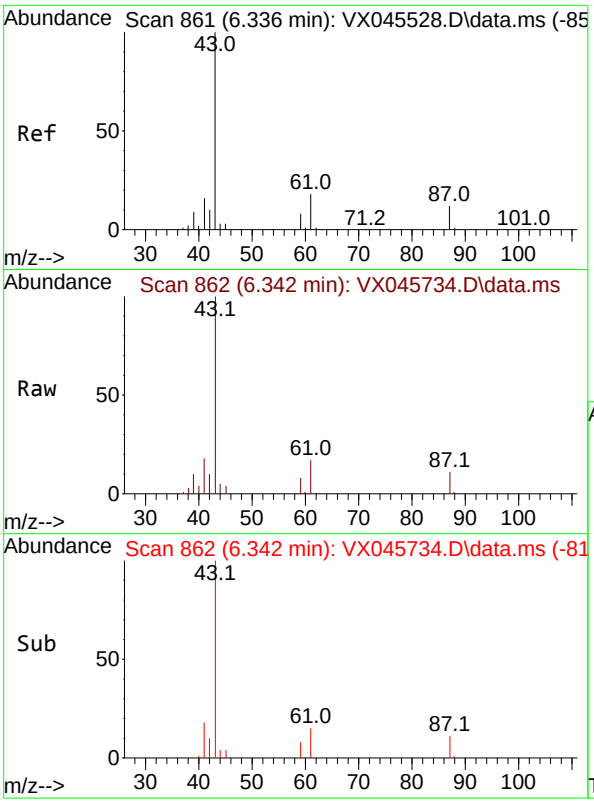


#42
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 36989

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.170 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

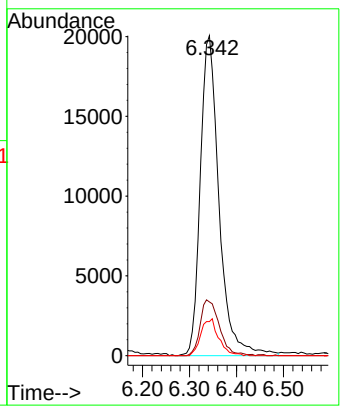
Tgt Ion: 43 Resp: 5546

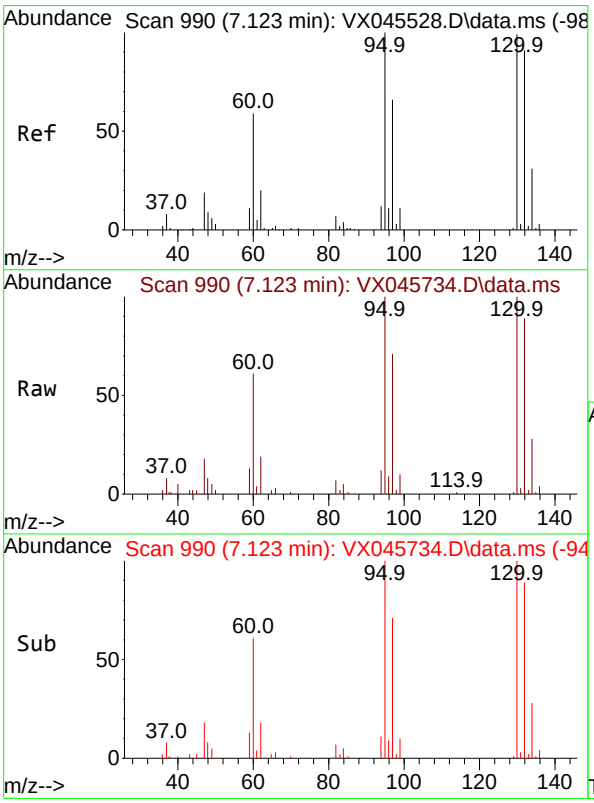
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.1	21.1
87	11.0	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

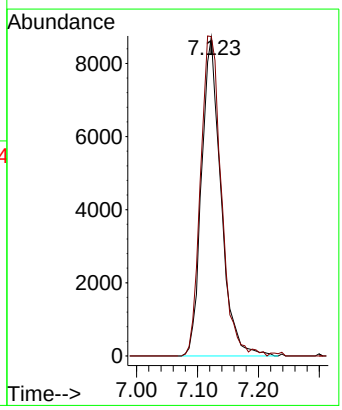


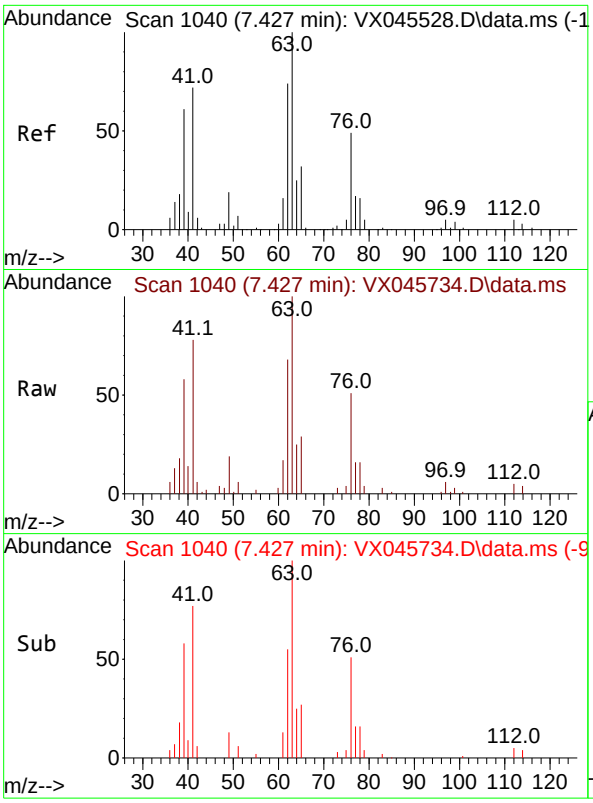


#44
Trichloroethene
Concen: 18.422 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:130 Resp: 19251

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	202.0

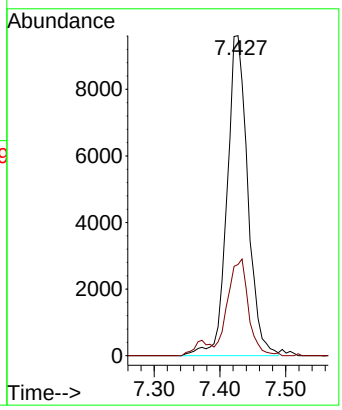




#45
1,2-Dichloropropane
Concen: 19.231 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 2109

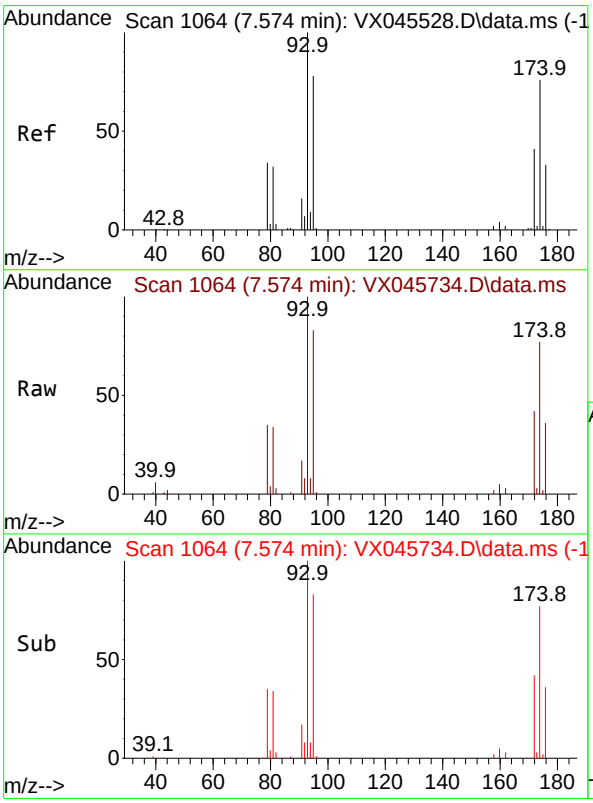
Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

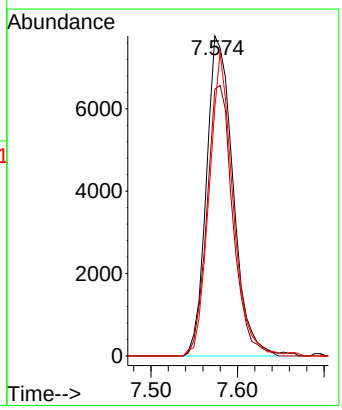
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

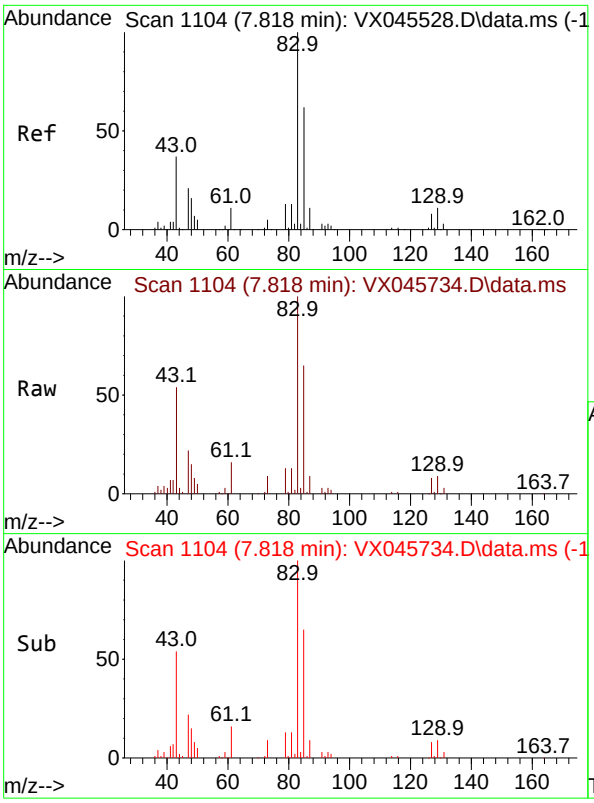


#46
Dibromomethane
Concen: 19.665 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 93 Resp: 16560

Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.8	97.2
174	85.1	65.4	98.0

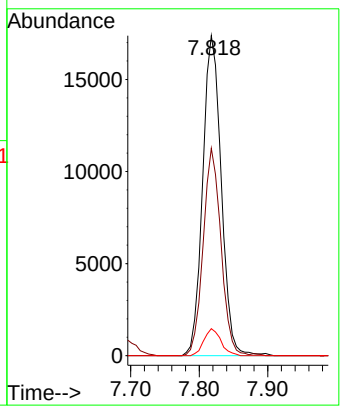




#47
Bromodichloromethane
Concen: 19.510 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3281

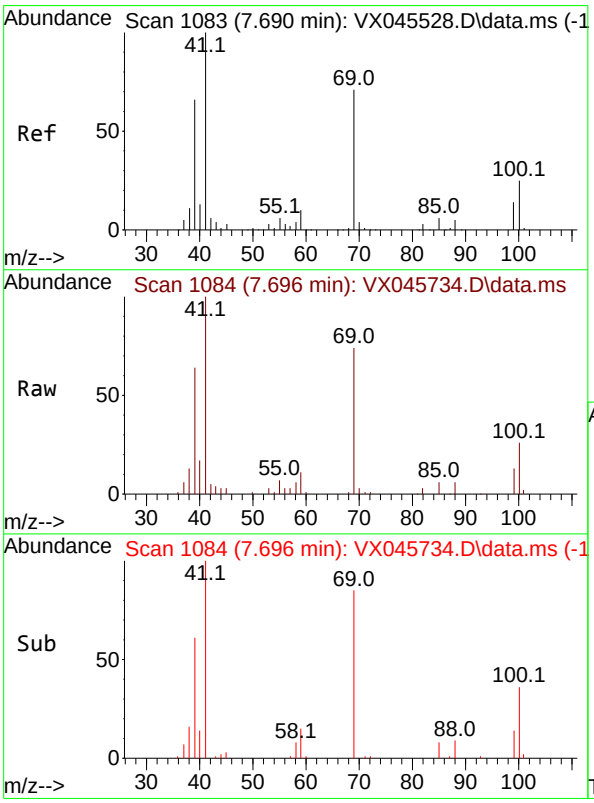
Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.7	74.5
127	8.5	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

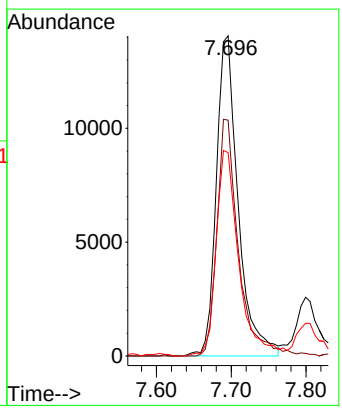
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

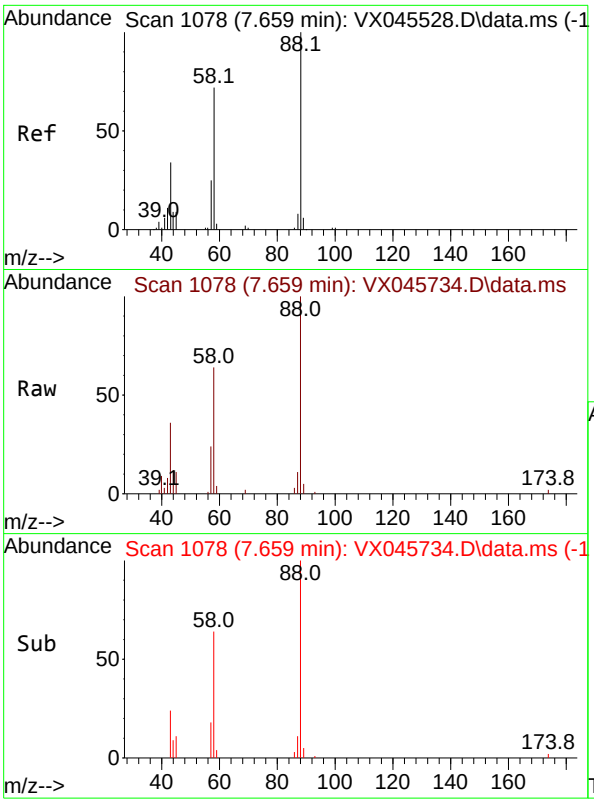


#48
Methyl methacrylate
Concen: 20.151 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 28607

Ion	Ratio	Lower	Upper
41	100		
69	73.2	58.2	87.2
39	66.6	53.6	80.4

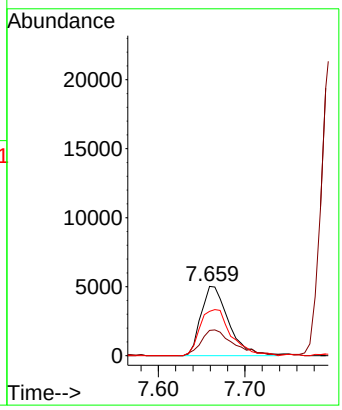




#49
1,4-Dioxane
Concen: 432.076 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 88 Resp: 1109

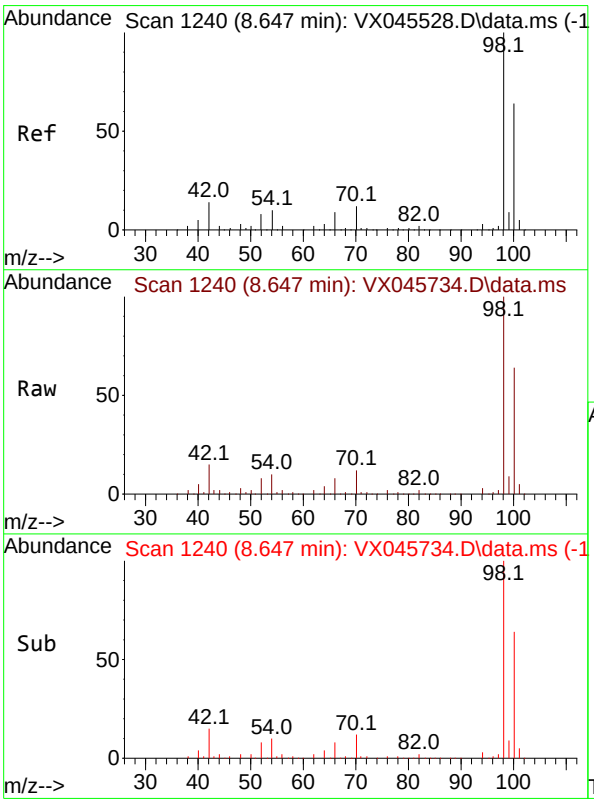
Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.2	48.4
58	75.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

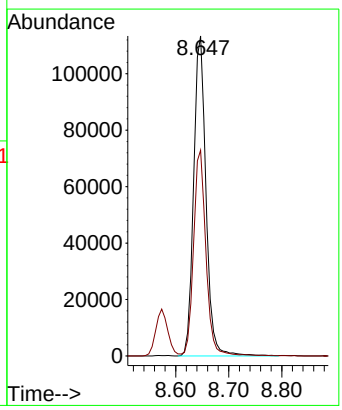
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

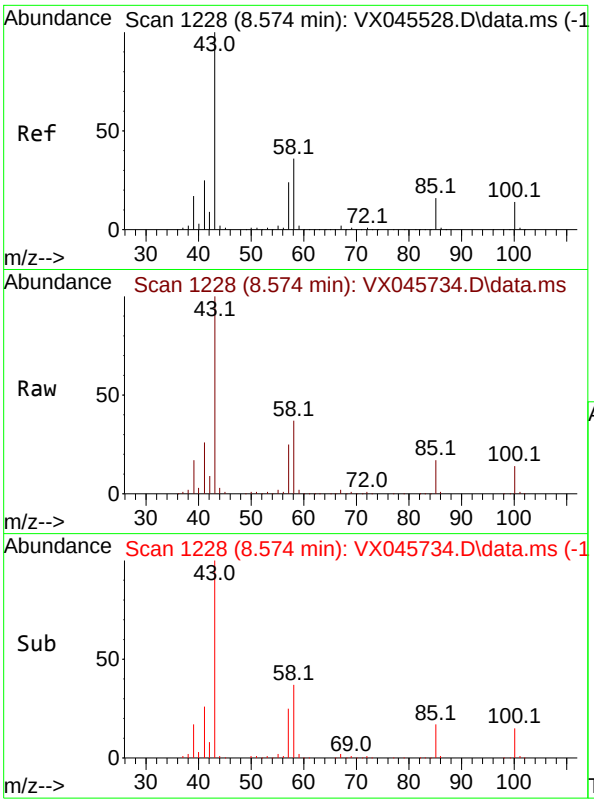


#50
Toluene-d8
Concen: 49.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 98 Resp: 183285

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.4

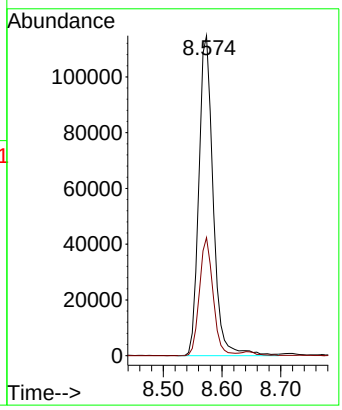




#51
4-Methyl-2-Pentanone
Concen: 106.998 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 19502

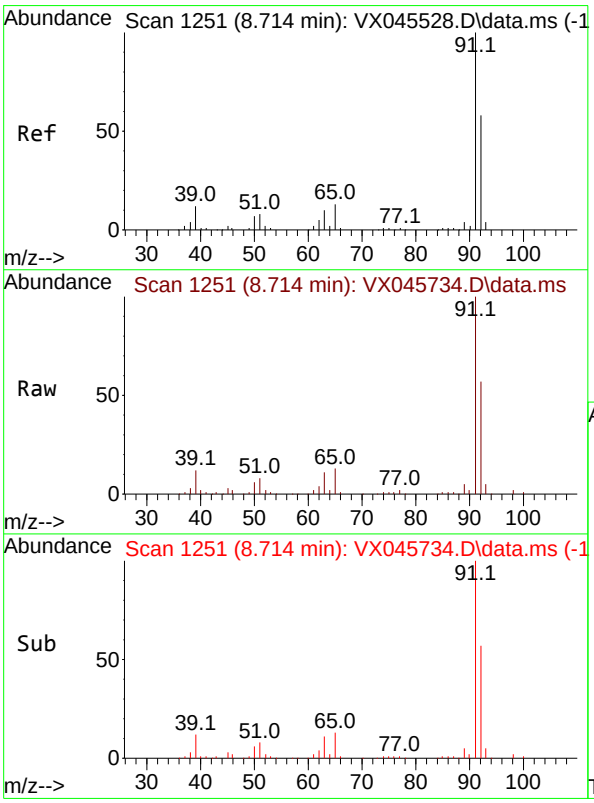
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

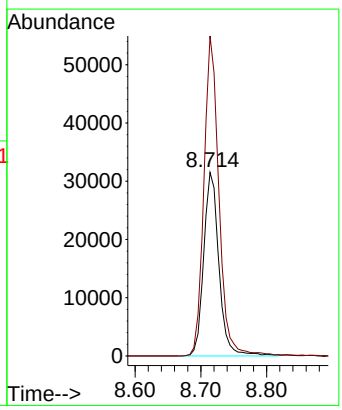
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

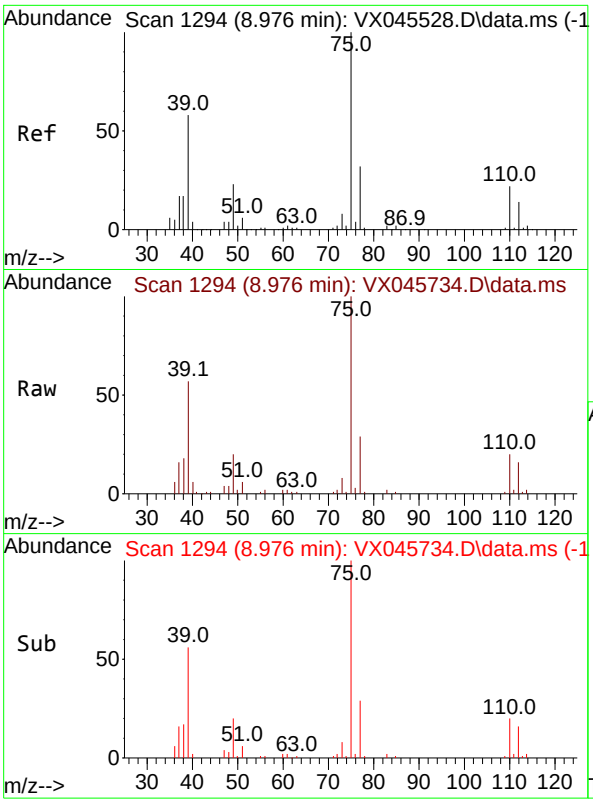


#52
Toluene
Concen: 19.132 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 92 Resp: 50898

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.7	208.1

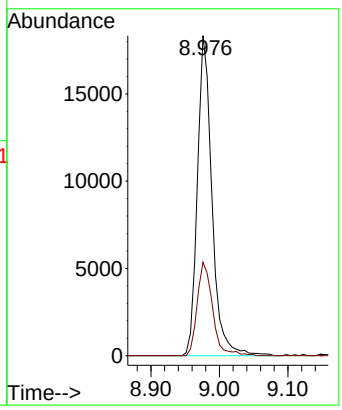




#53
t-1,3-Dichloropropene
Concen: 18.352 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 2722

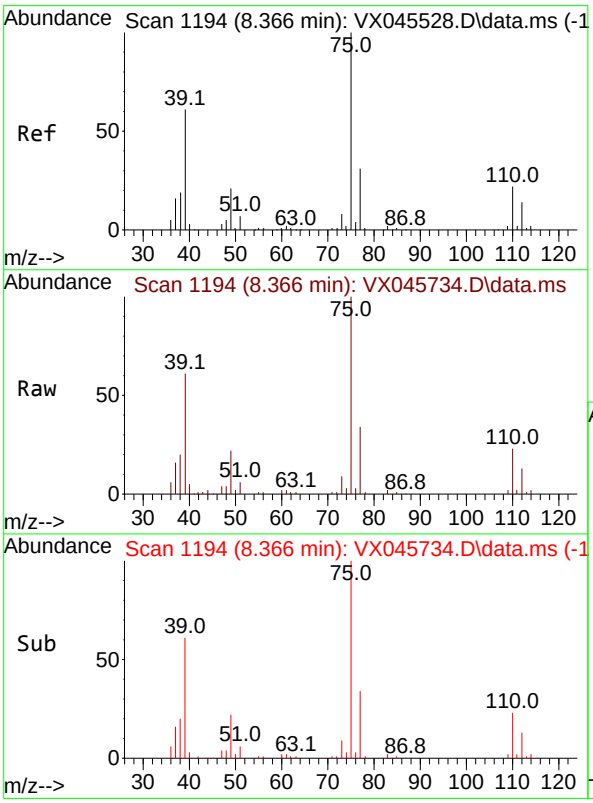
Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

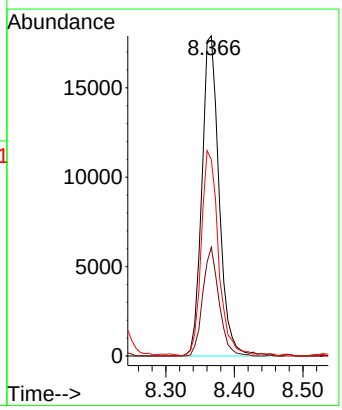
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

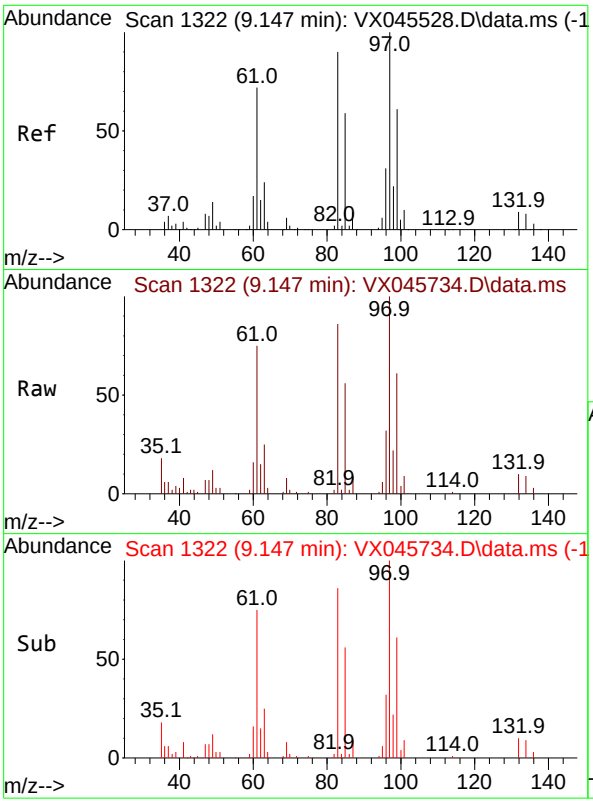


#54
cis-1,3-Dichloropropene
Concen: 19.884 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 31424

Ion	Ratio	Lower	Upper
75	100		
77	34.0	24.6	36.8
39	61.3	48.4	72.6

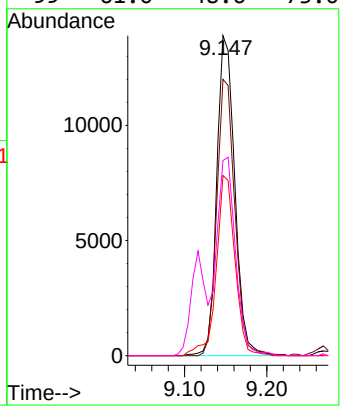




#55
1,1,2-Trichloroethane
Concen: 19.886 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 97 Resp: 2108

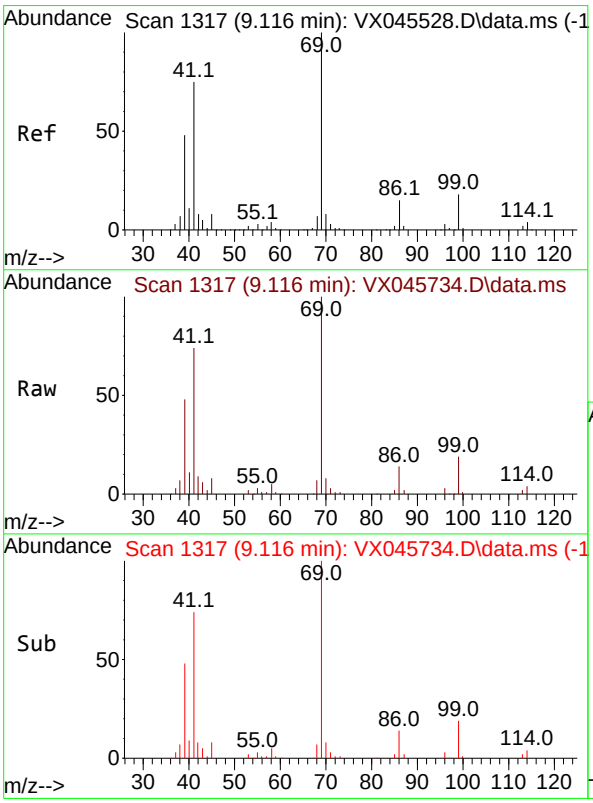
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.8	107.8
85	56.3	47.0	70.6
99	61.0	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

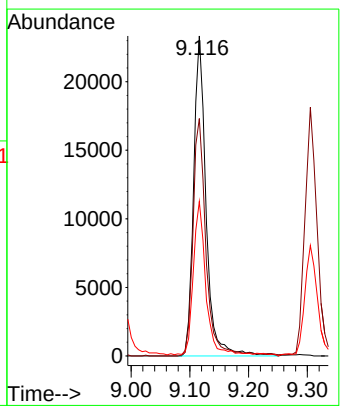
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

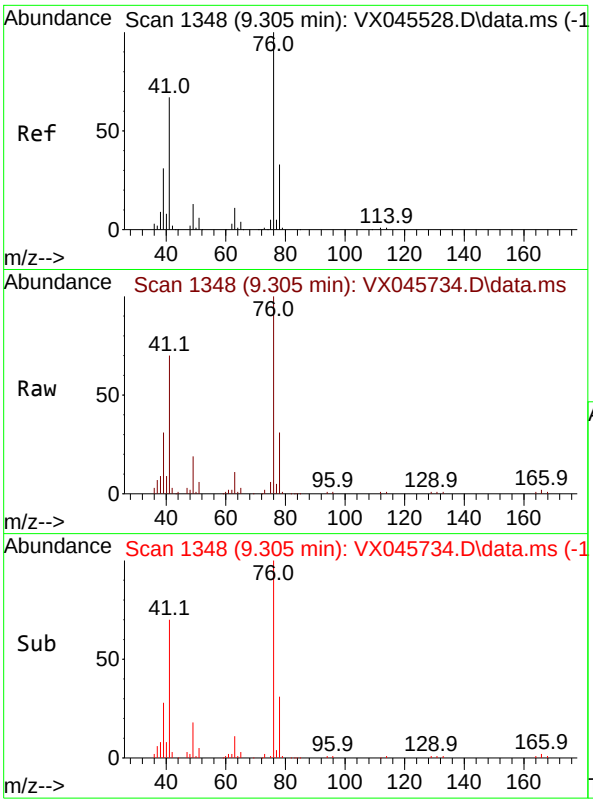


#56
Ethyl methacrylate
Concen: 20.947 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 69 Resp: 34367

Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.3	91.9
39	49.3	40.2	60.2

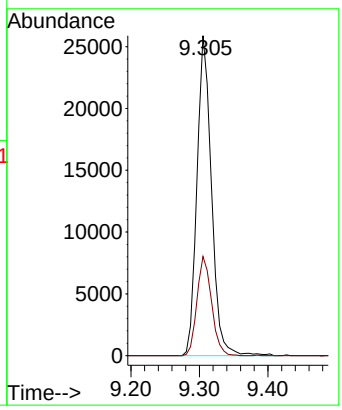




#57
1,3-Dichloropropane
Concen: 20.758 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 76 Resp: 3832

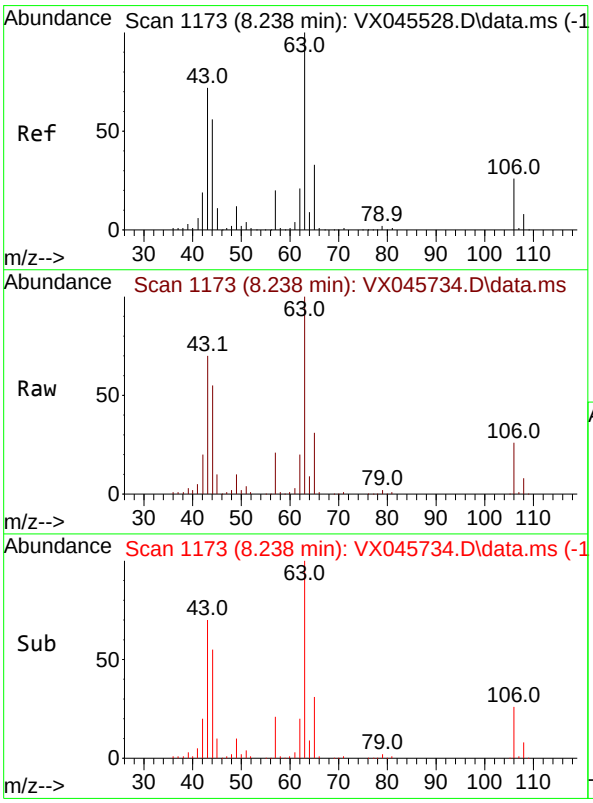
Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

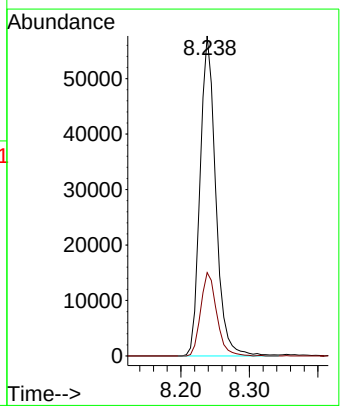
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

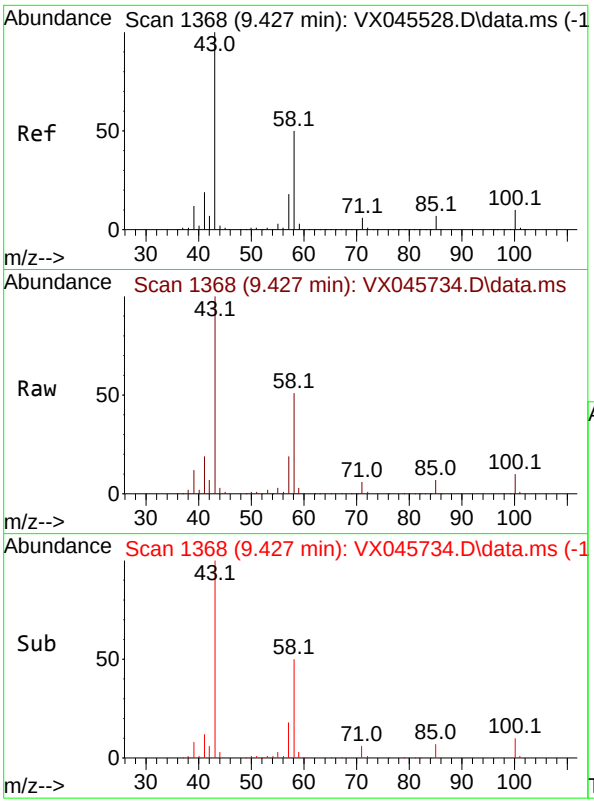


#58
2-Chloroethyl Vinyl ether
Concen: 110.832 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 91986

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6

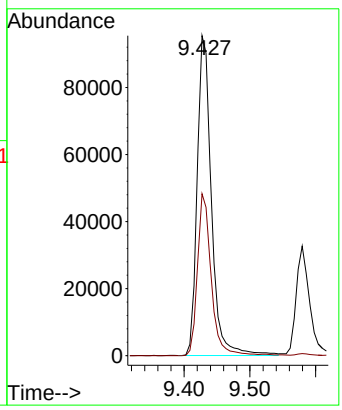




#59
2-Hexanone
Concen: 106.500 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 14375

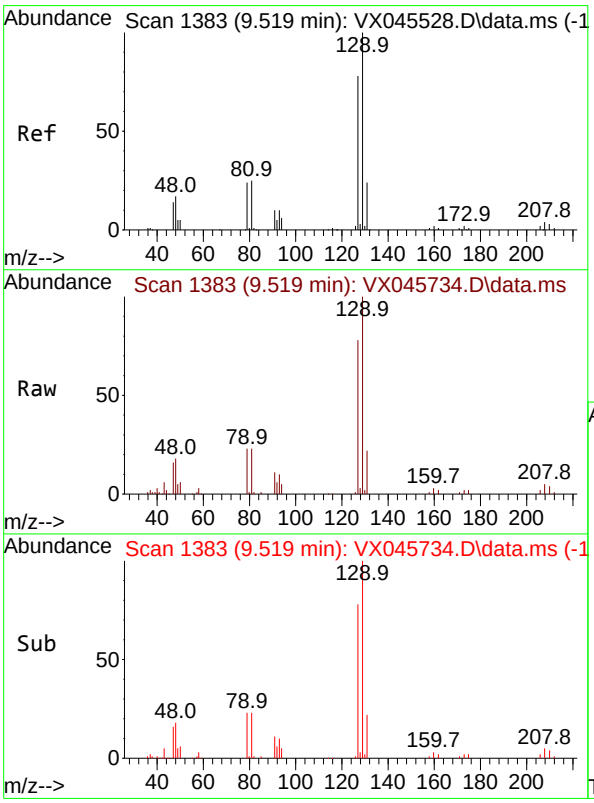
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

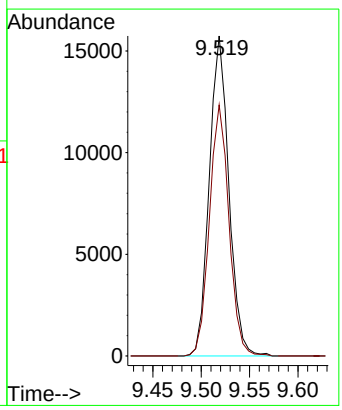
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

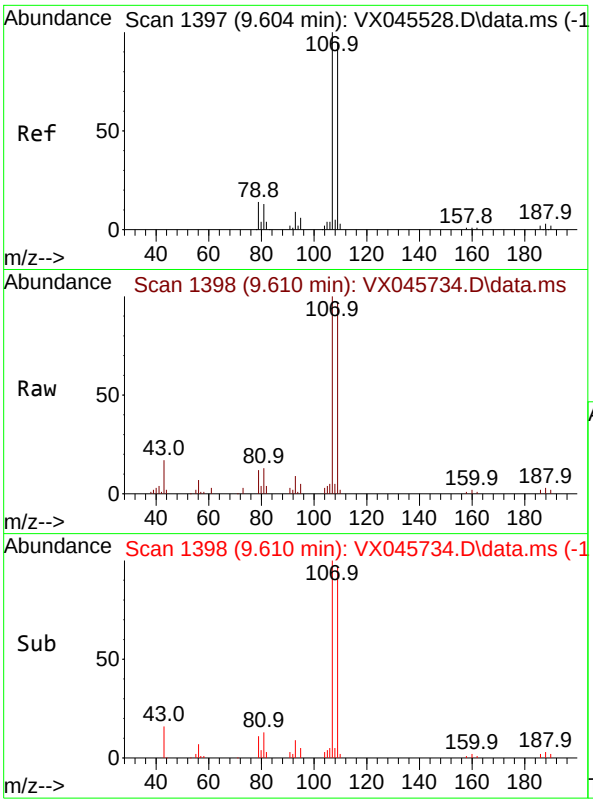


#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:129 Resp: 22170

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2

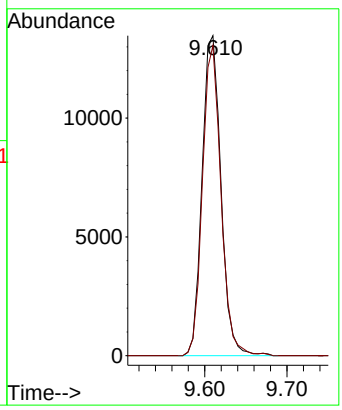




#61
1,2-Dibromoethane
Concen: 20.071 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:107 Resp: 2153

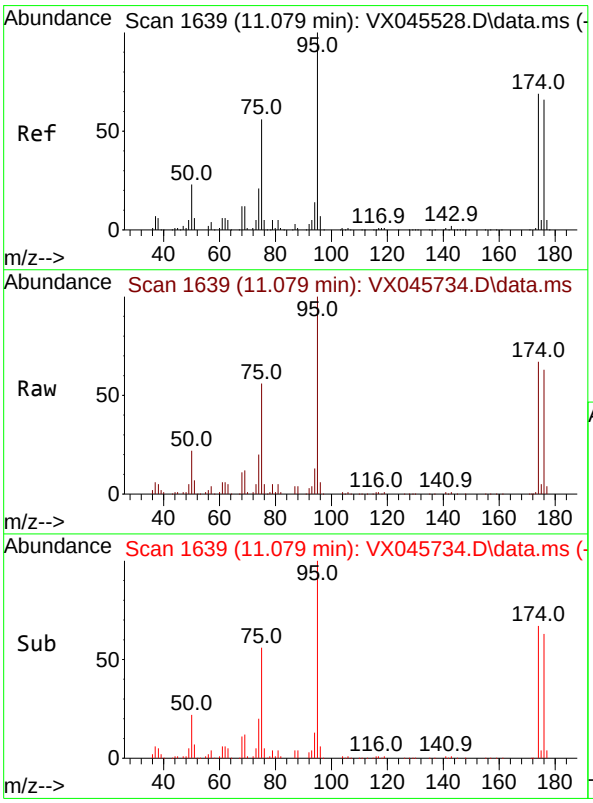
Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

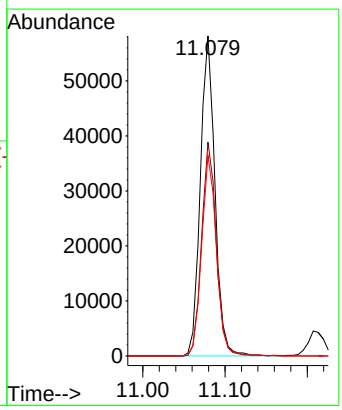
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

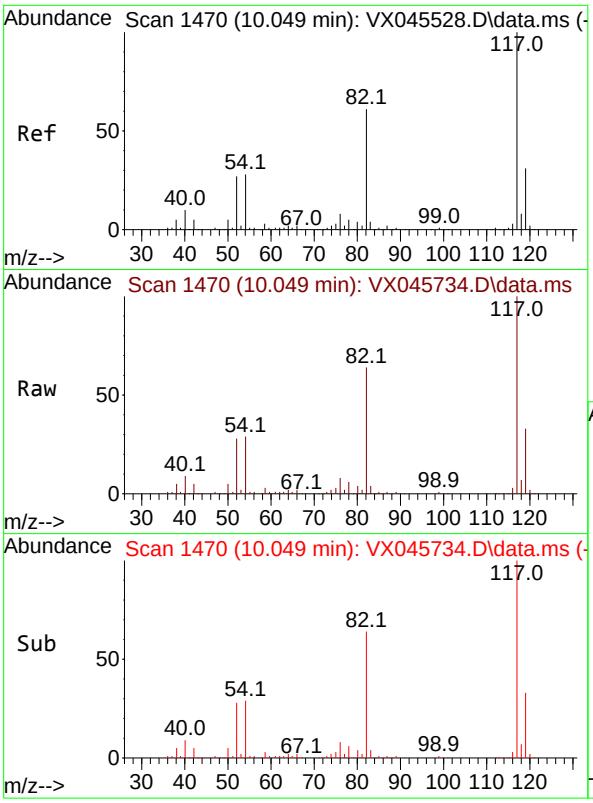


#62
4-Bromofluorobenzene
Concen: 52.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 95 Resp: 71699

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	63.6	0.0	131.4

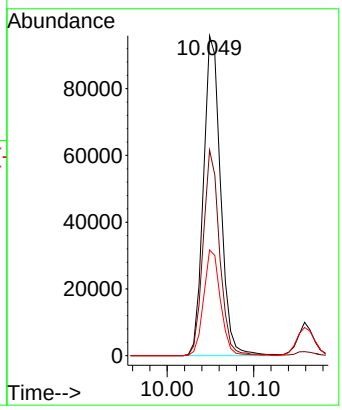




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 13186

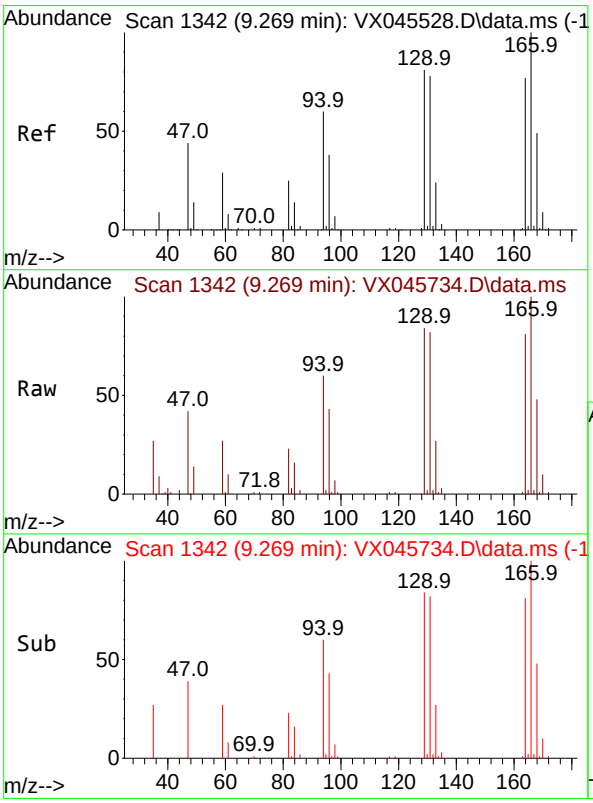
Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.2	73.8
119	33.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

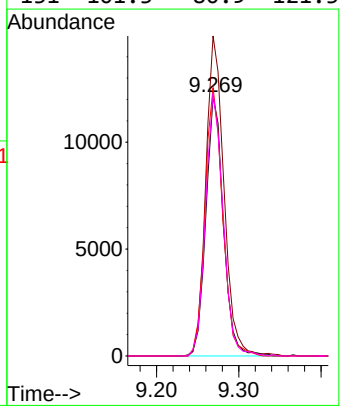
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

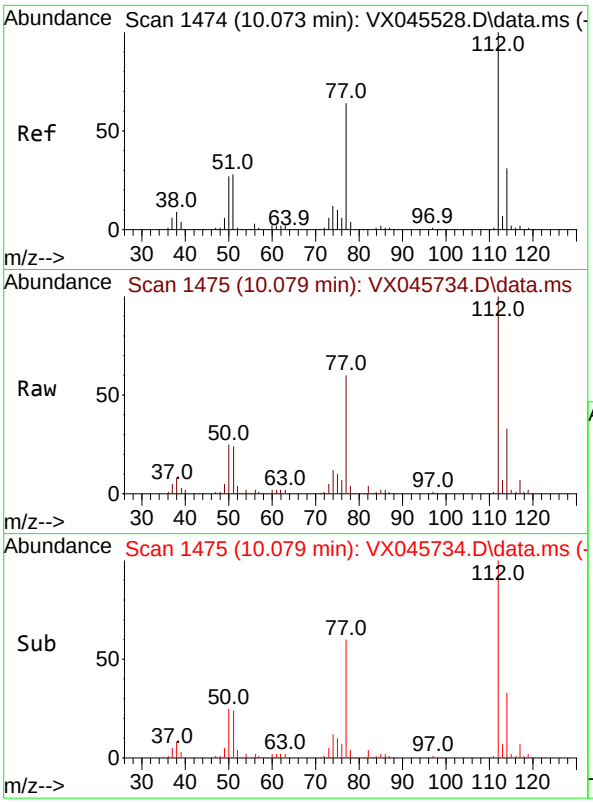


#64
Tetrachloroethene
Concen: 19.248 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:164 Resp: 17919

Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.8	155.8
129	103.3	84.3	126.5
131	101.3	80.9	121.3

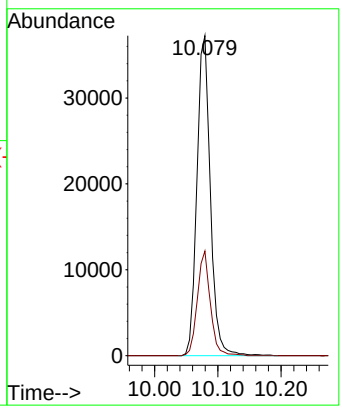




#65
Chlorobenzene
Concen: 19.575 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:112 Resp: 5515

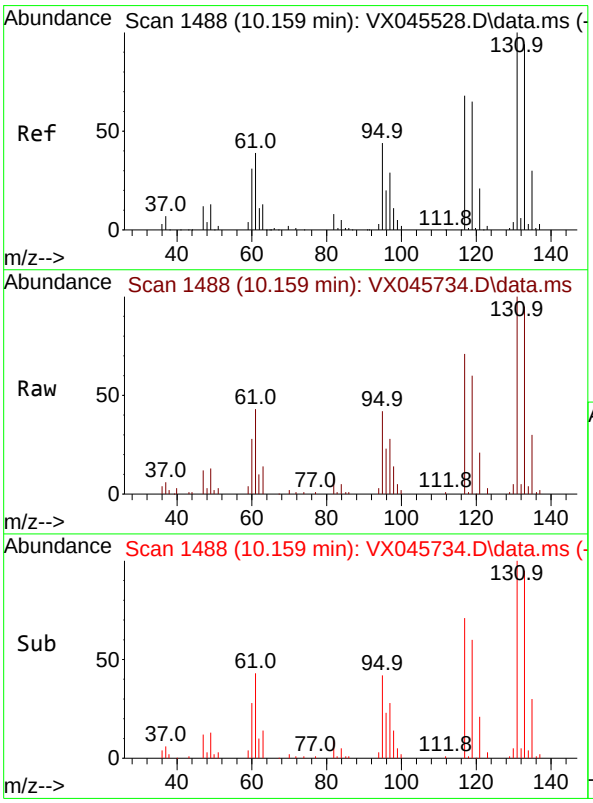
Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

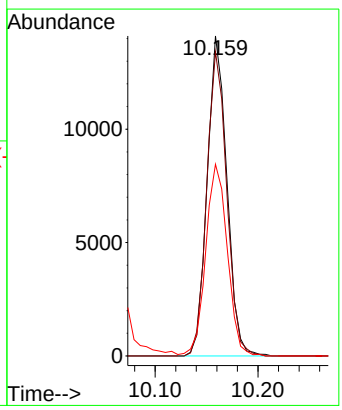
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

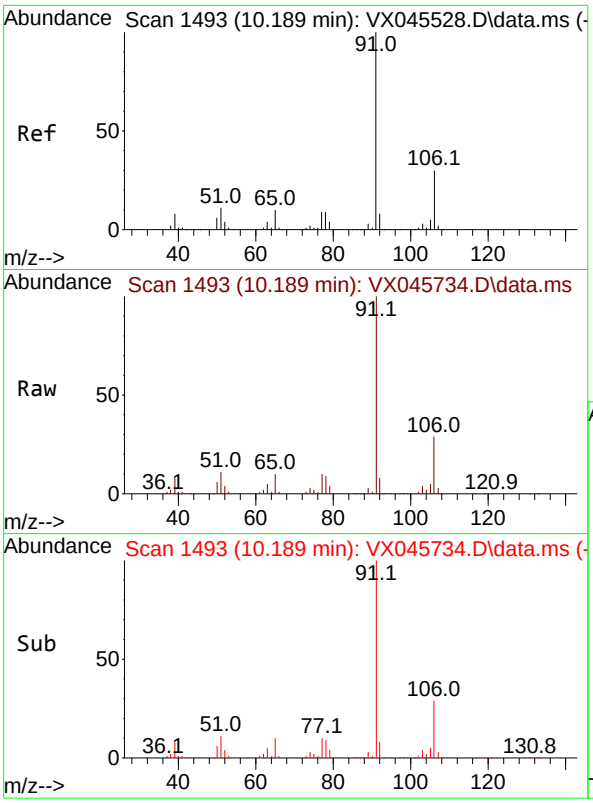


#66
1,1,1,2-Tetrachloroethane
Concen: 19.192 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:131 Resp: 18774

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.5	142.5
119	65.7	32.9	98.6





#67
Ethyl Benzene
Concen: 19.506 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

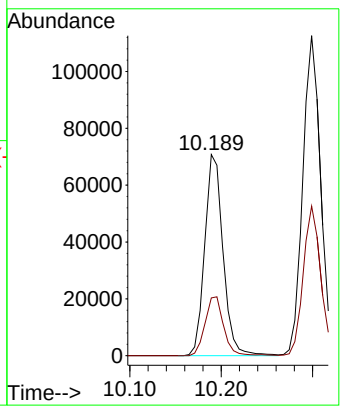
Tgt Ion: 91 Resp: 9843

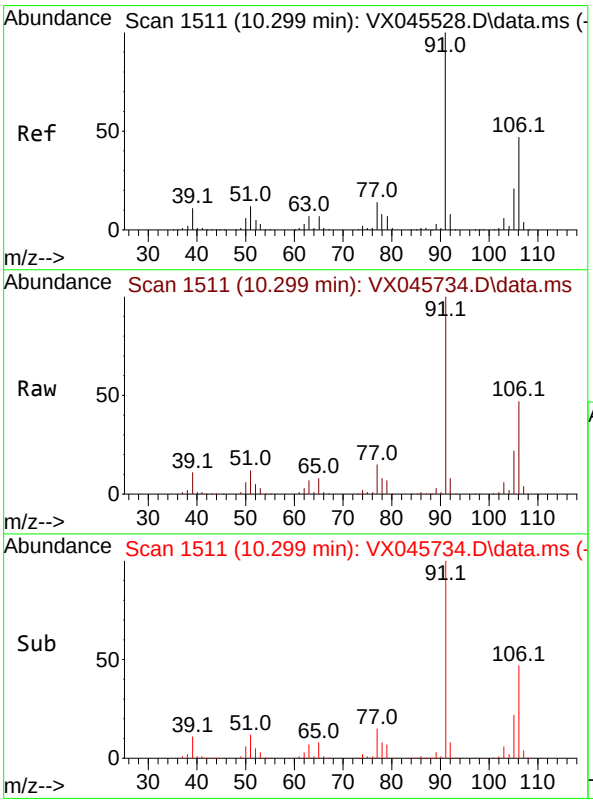
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

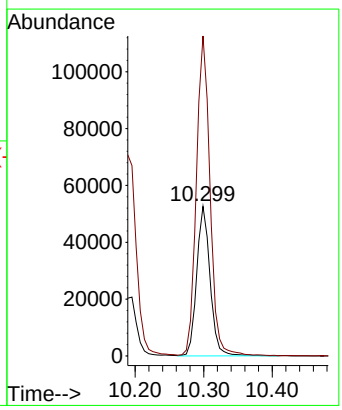


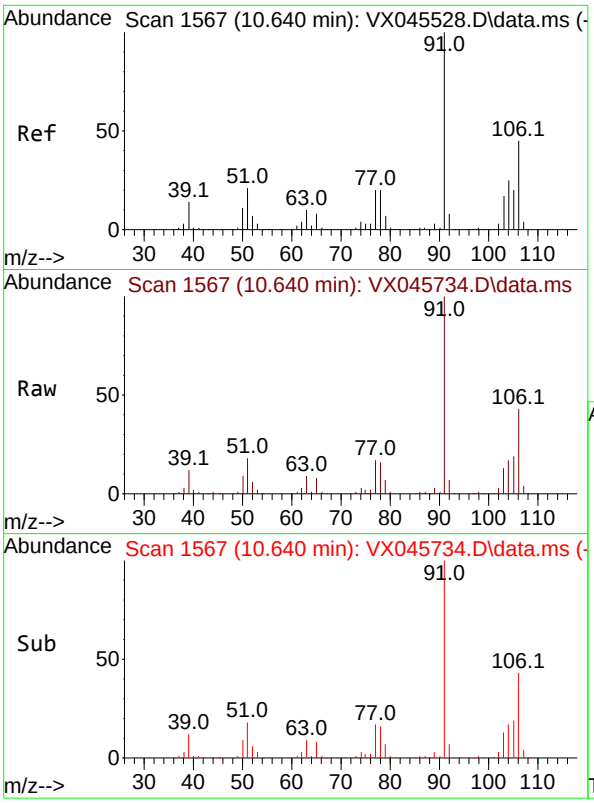


#68
m/p-Xylenes
Concen: 38.936 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:106 Resp: 71463

Ion	Ratio	Lower	Upper
106	100		
91	218.7	172.6	258.8

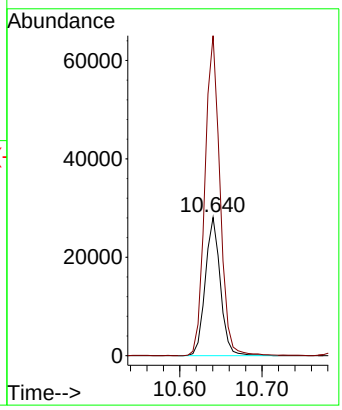




#69
o-Xylene
Concen: 19.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:106 Resp: 3570

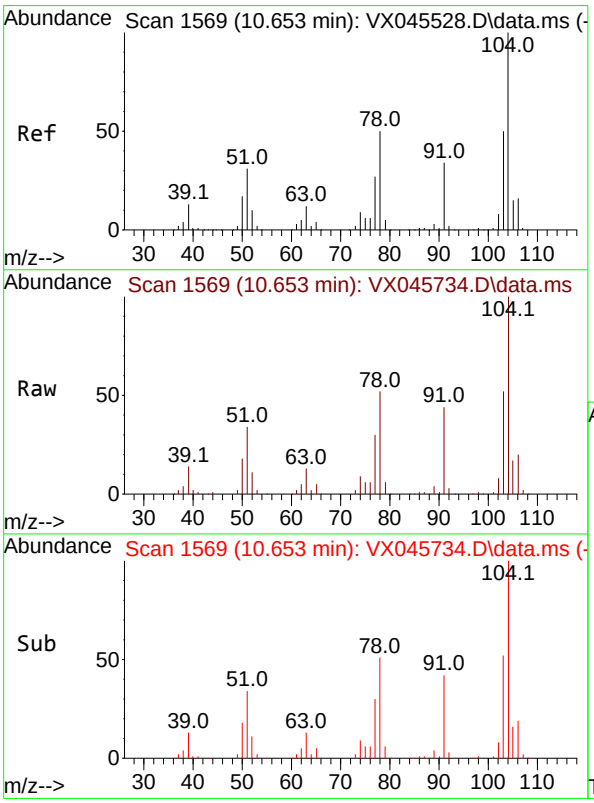
Ion	Ratio	Lower	Upper
106	100		
91	231.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

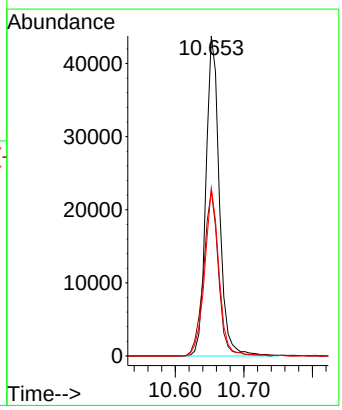
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

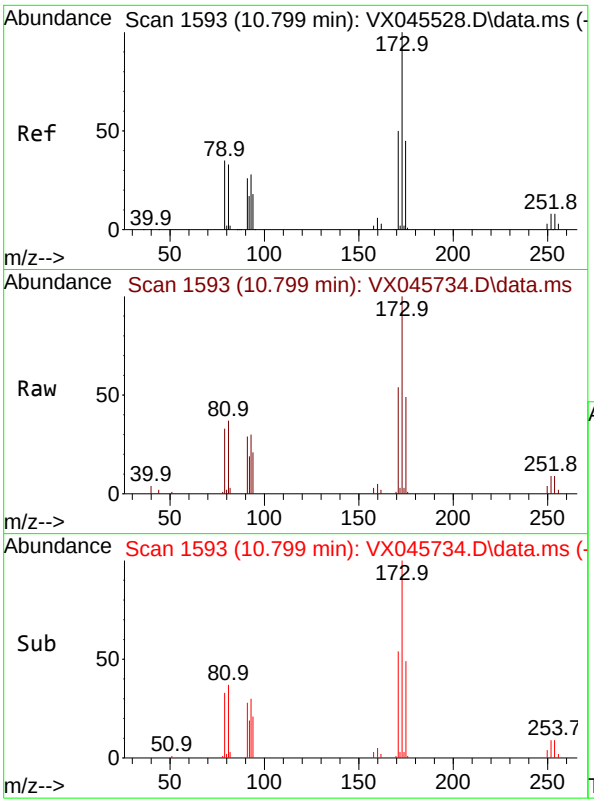


#70
Styrene
Concen: 20.128 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:104 Resp: 60067

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	55.6	43.8	65.8

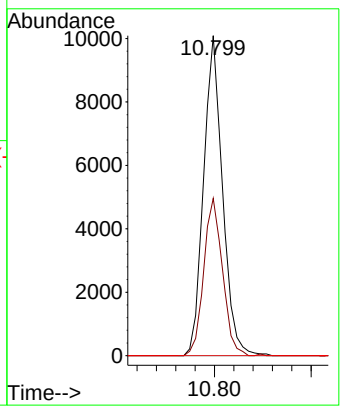




#71
Bromoform
Concen: 18.847 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:173 Resp: 1376

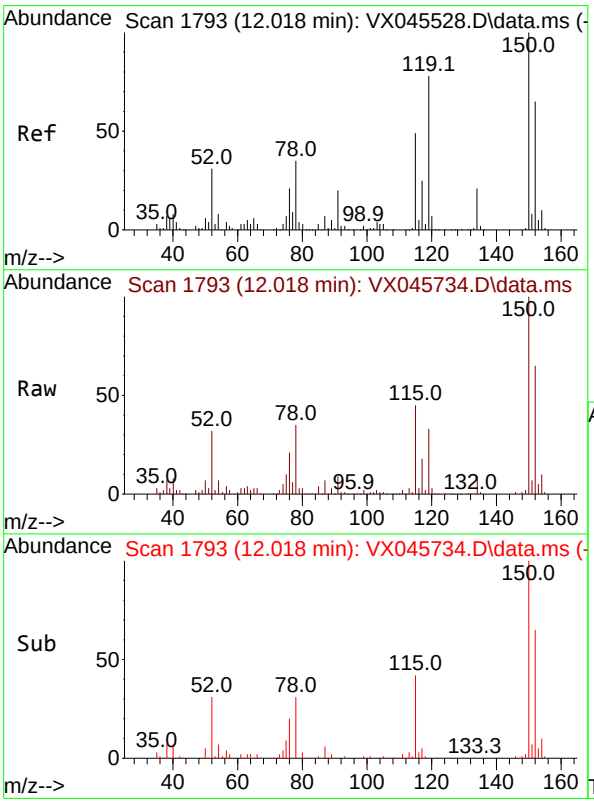
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

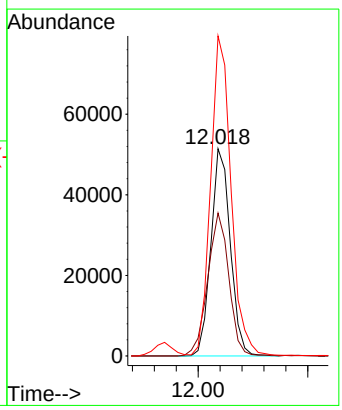
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

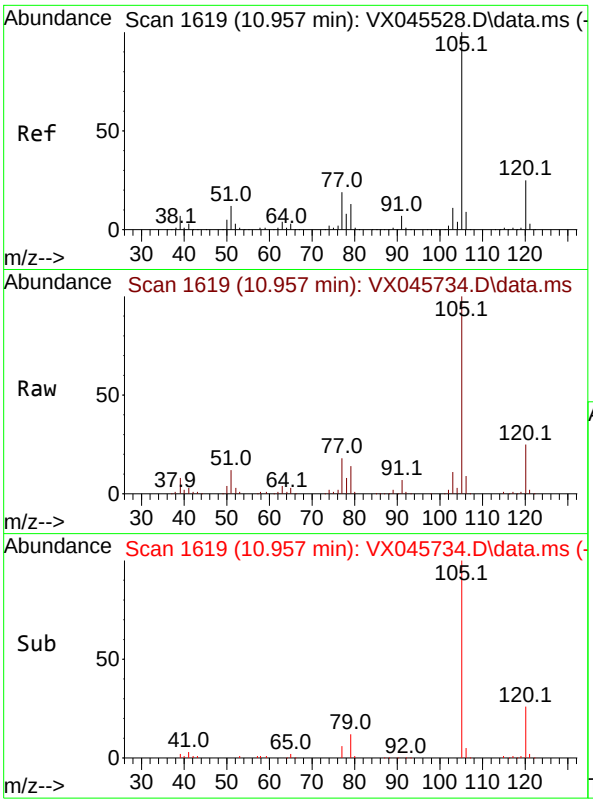


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:152 Resp: 63206

Ion	Ratio	Lower	Upper
152	100		
115	75.4	46.9	140.7
150	162.4	0.0	349.4

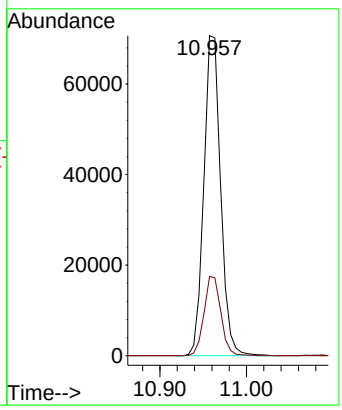




#73
Isopropylbenzene
Concen: 18.828 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 9532

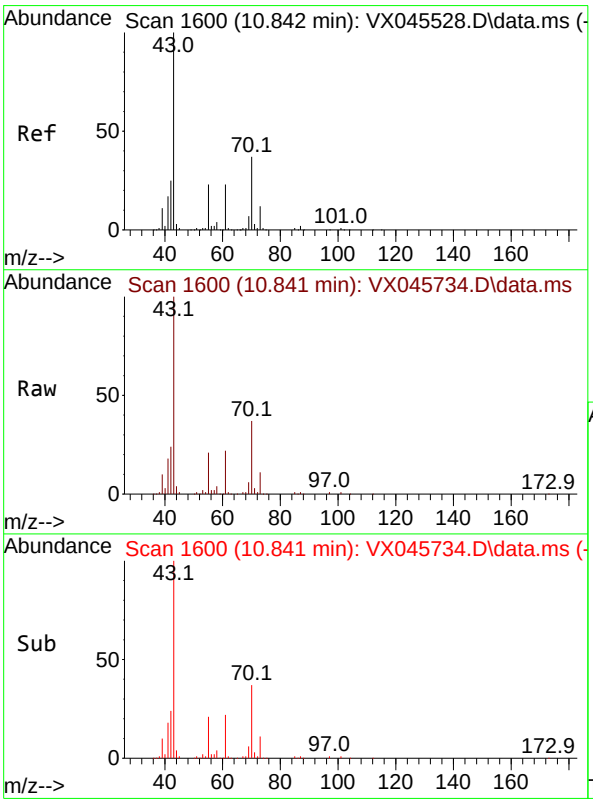
Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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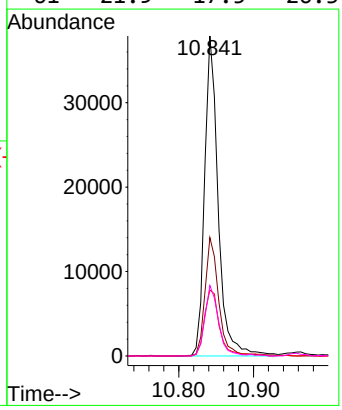
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

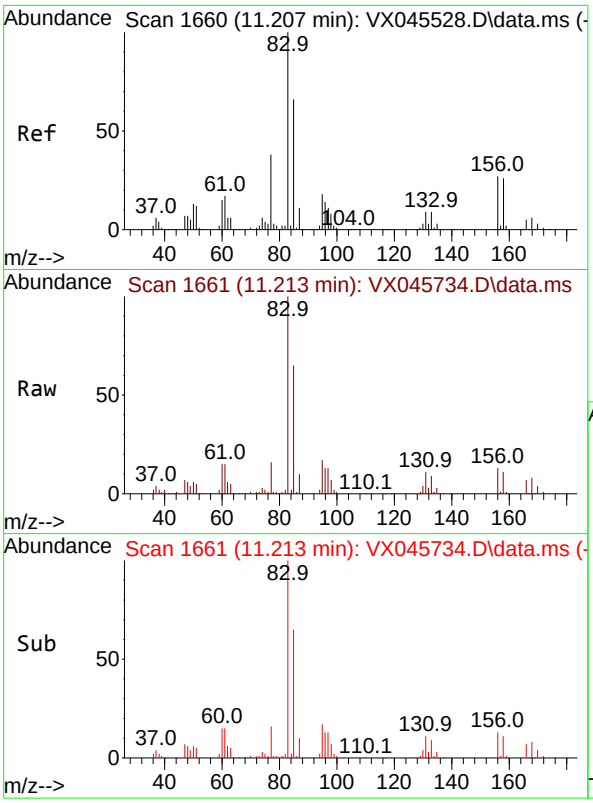


#74
N-amyl acetate
Concen: 19.782 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 47908

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3

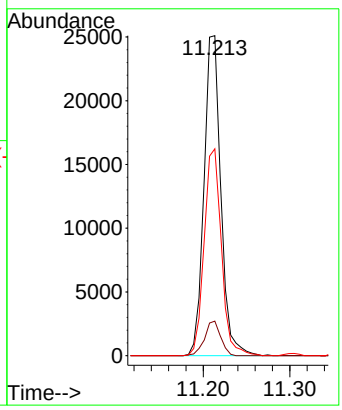




#75
1,1,2,2-Tetrachloroethane
Concen: 19.101 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3397

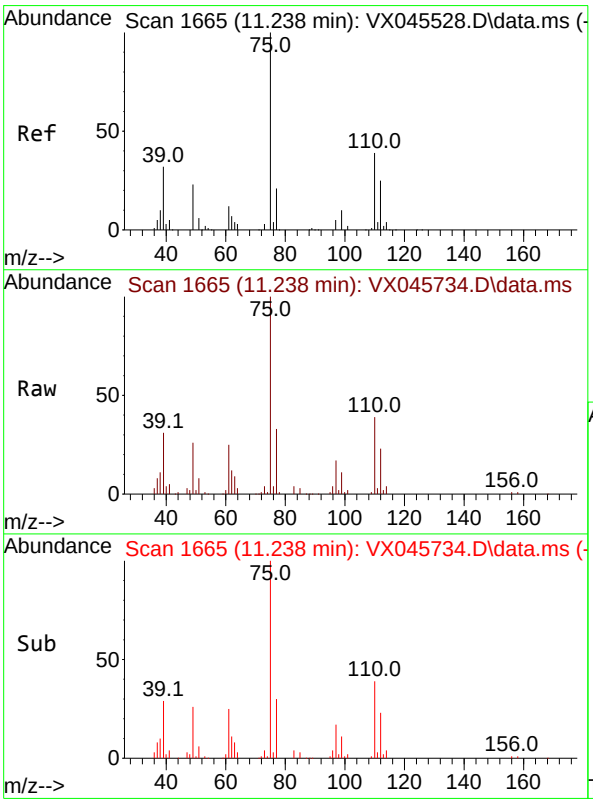
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.7	14.1
85	66.1	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

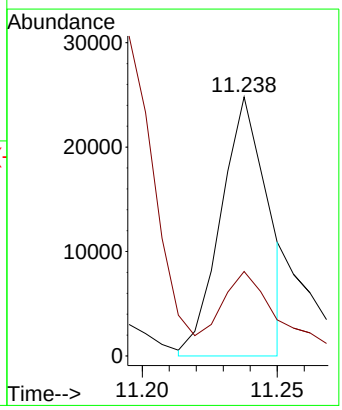
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

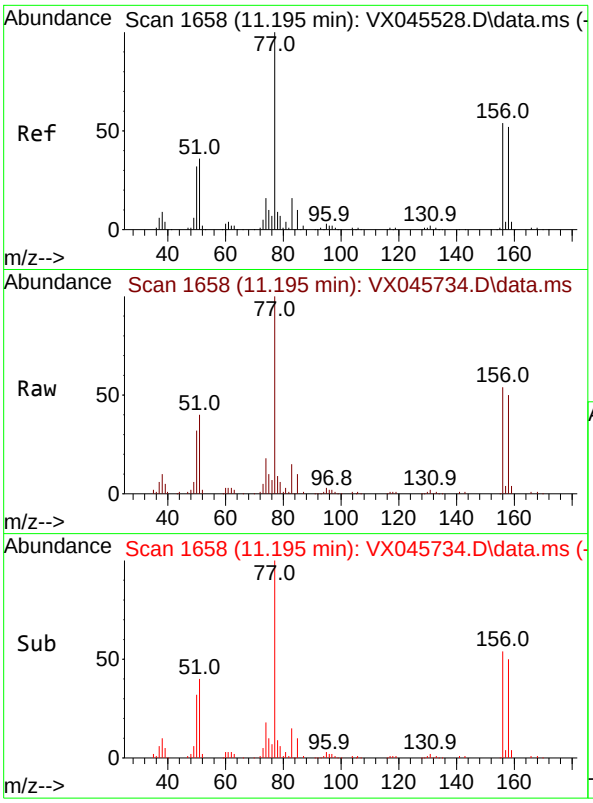


#76
1,2,3-Trichloropropane
Concen: 19.422 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	41.1	20.0	59.9

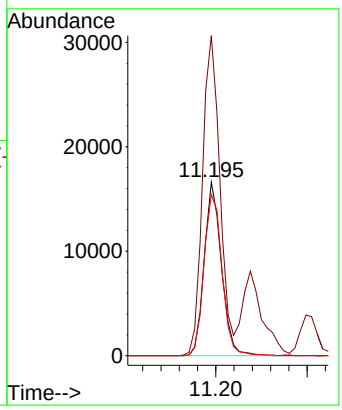




#77
Bromobenzene
Concen: 18.496 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:156 Resp: 2163

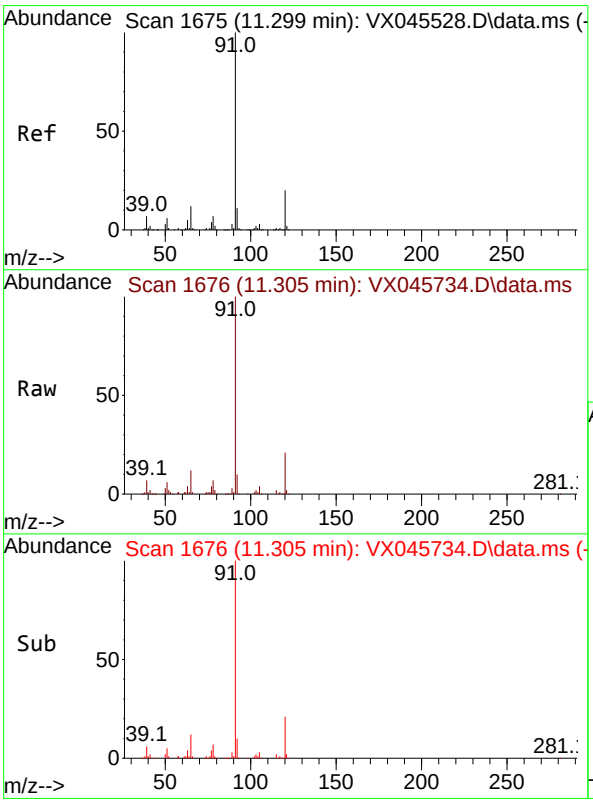
Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.6	277.8
158	97.6	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

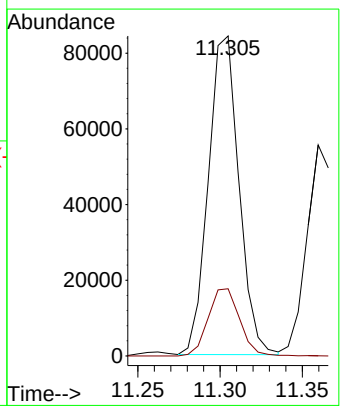
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

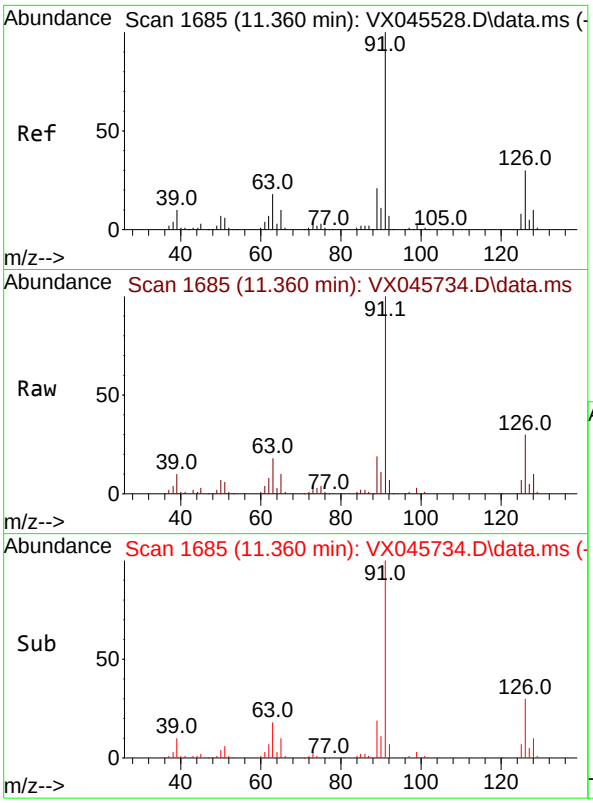


#78
n-propylbenzene
Concen: 18.729 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 109219

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79
2-Chlorotoluene
Concen: 19.042 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

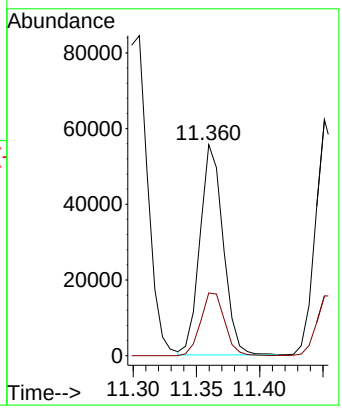
Tgt Ion: 91 Resp: 7099

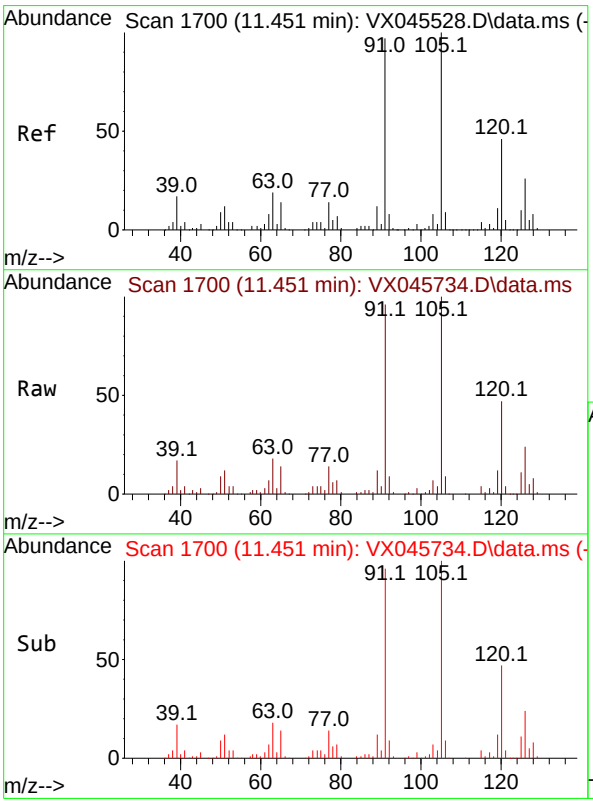
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

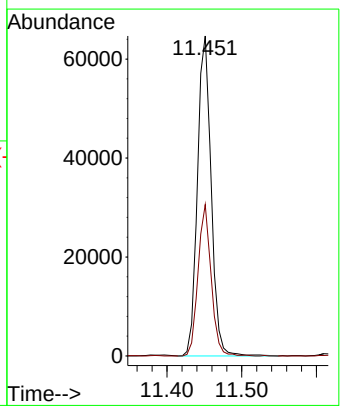


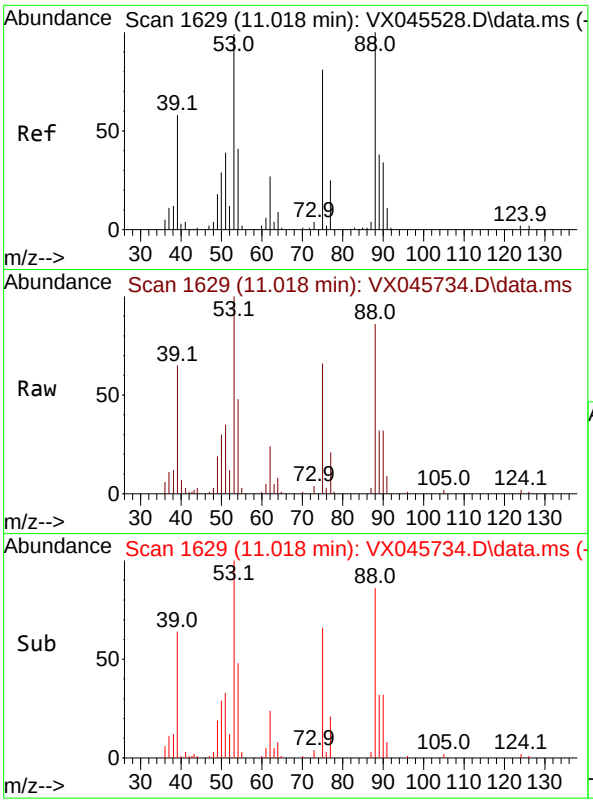


#80
1,3,5-Trimethylbenzene
Concen: 19.685 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 82413

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.968 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

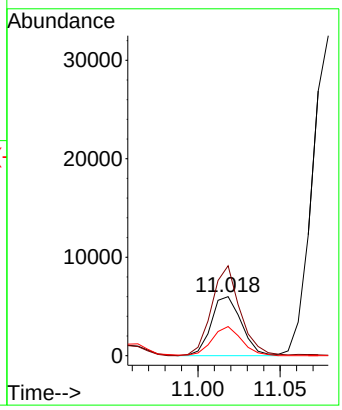
Tgt Ion: 75 Resp: 770

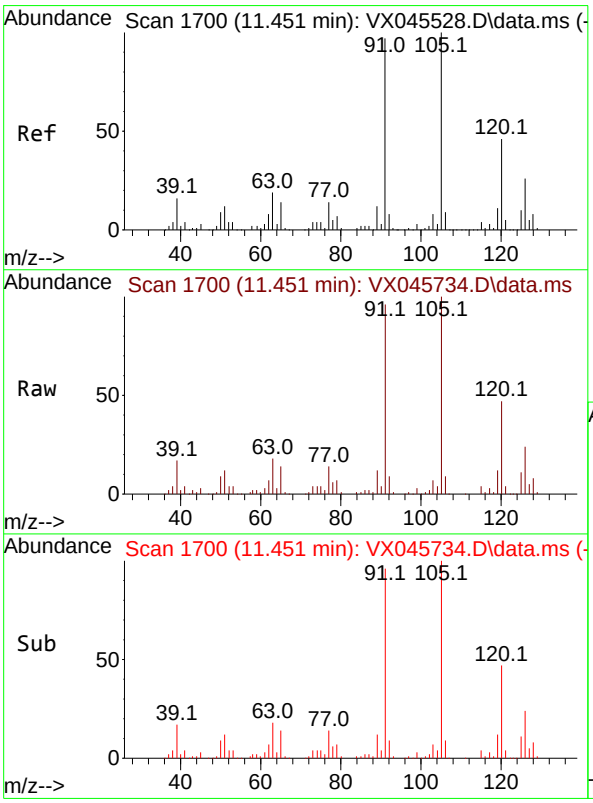
Ion	Ratio	Lower	Upper
75	100		
53	143.2	101.8	152.6
89	48.2	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

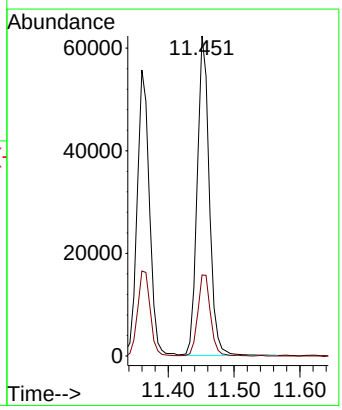


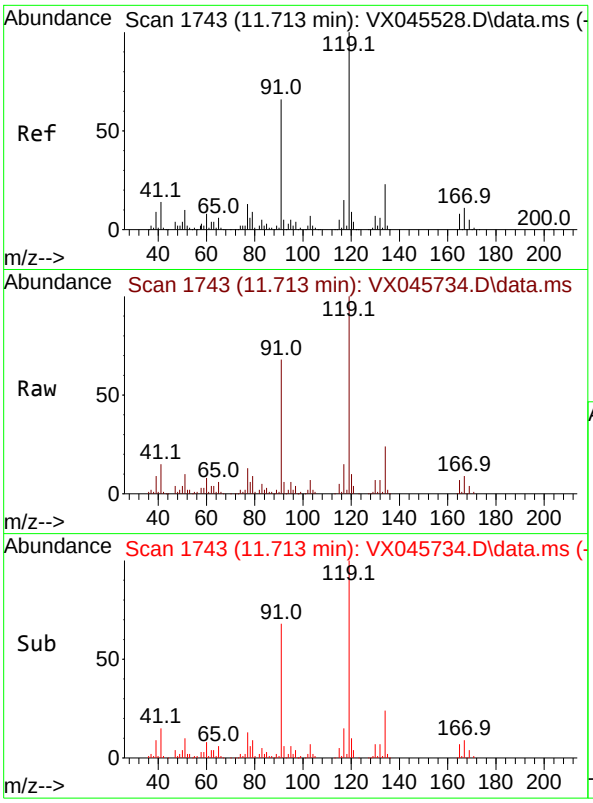


#82
4-Chlorotoluene
Concen: 19.041 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 79146

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

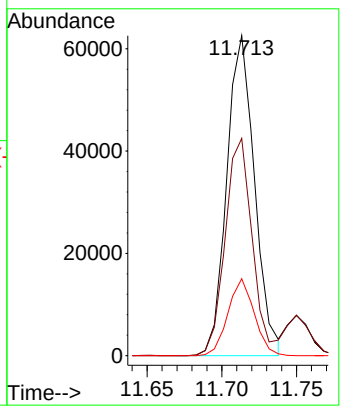




#83
tert-Butylbenzene
Concen: 19.544 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:119 Resp: 8100

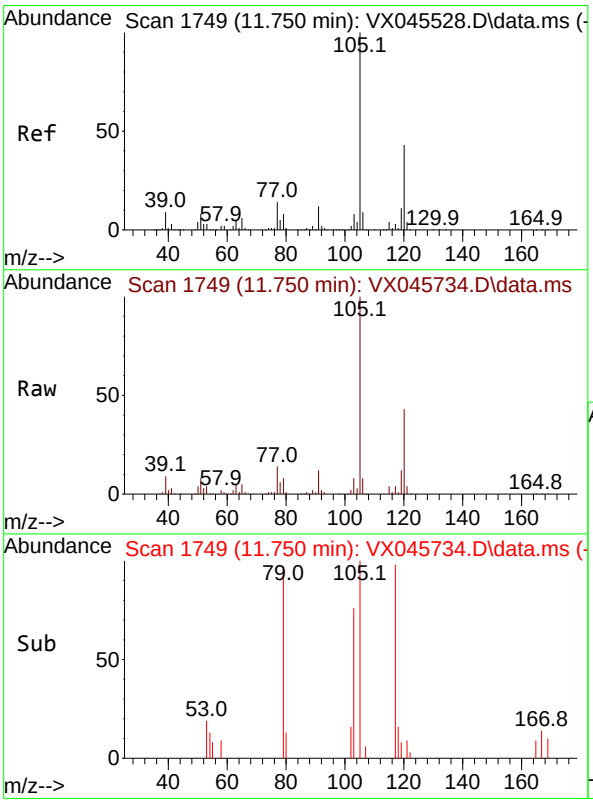
Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.4	97.2
134	22.8	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

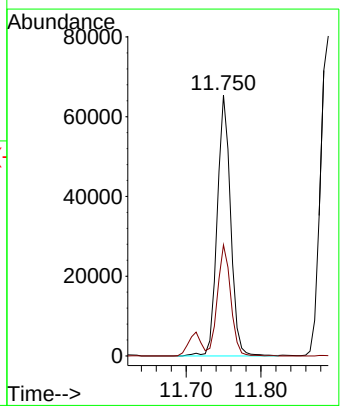
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

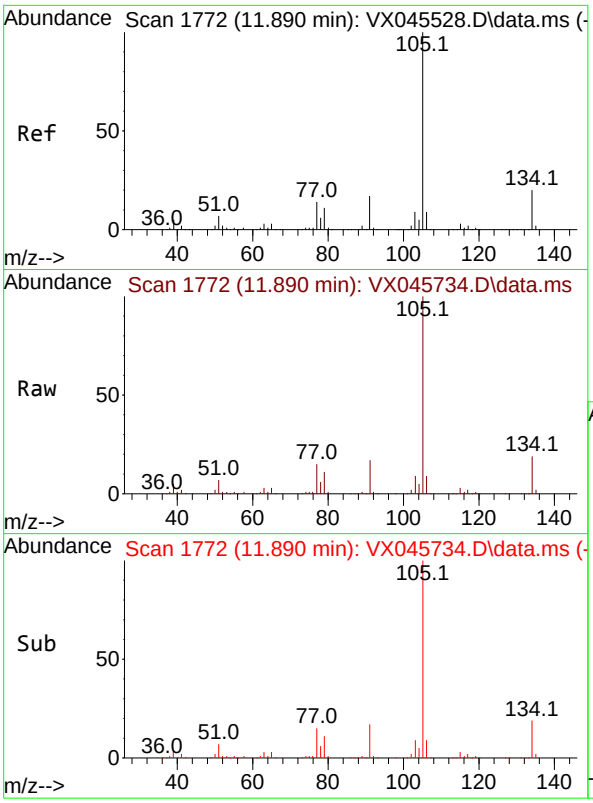


#84
1,2,4-Trimethylbenzene
Concen: 19.427 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 81630

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.3

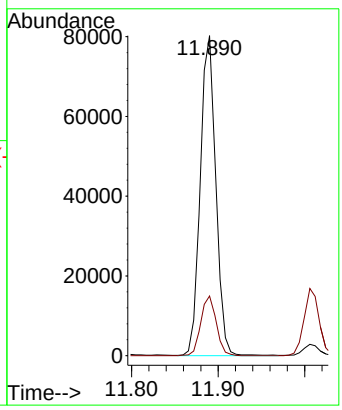




#85
sec-Butylbenzene
Concen: 19.646 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 10001

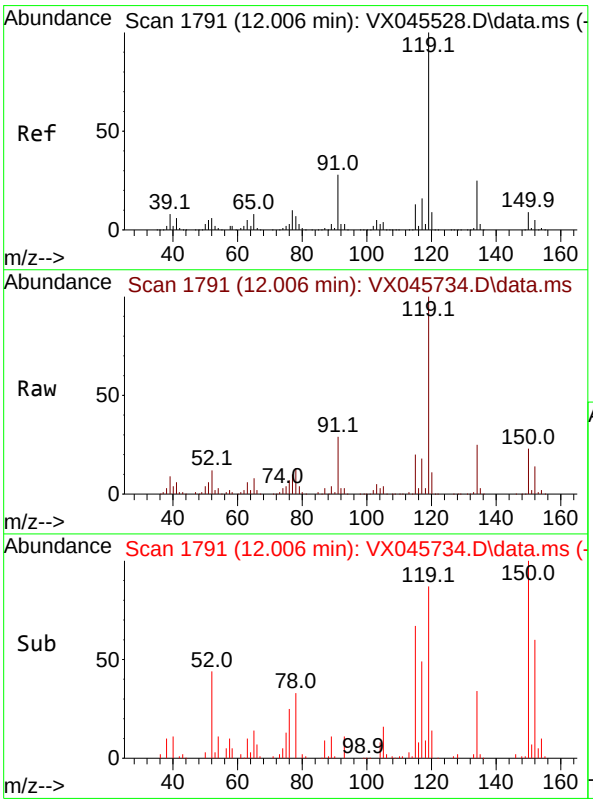
Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

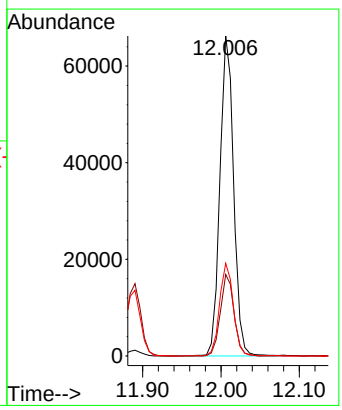
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

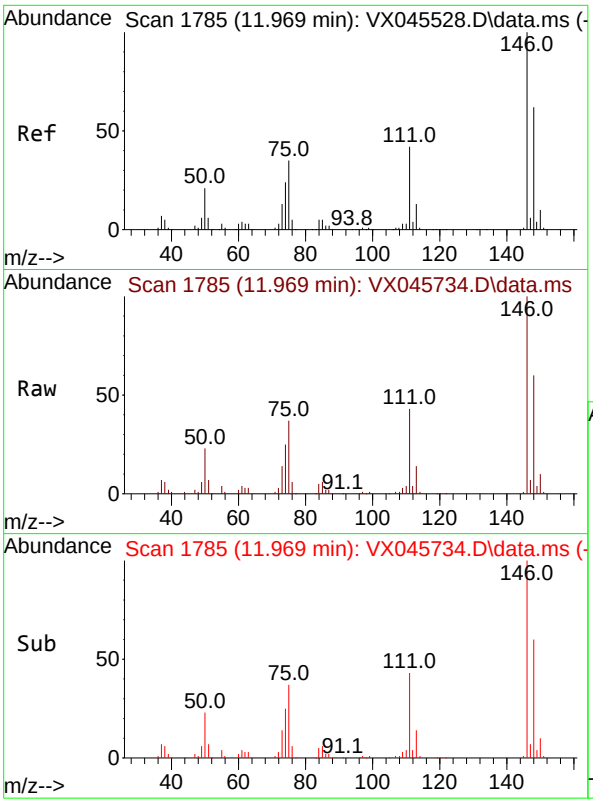


#86
p-Isopropyltoluene
Concen: 19.230 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:119 Resp: 80710

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	29.1	13.7	41.1

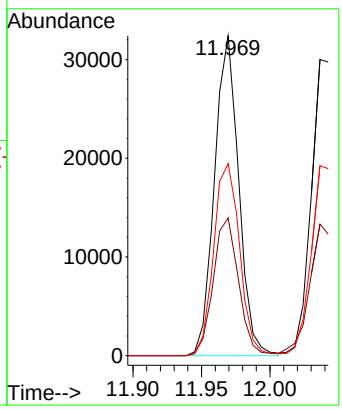




#87
1,3-Dichlorobenzene
Concen: 18.700 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 3981

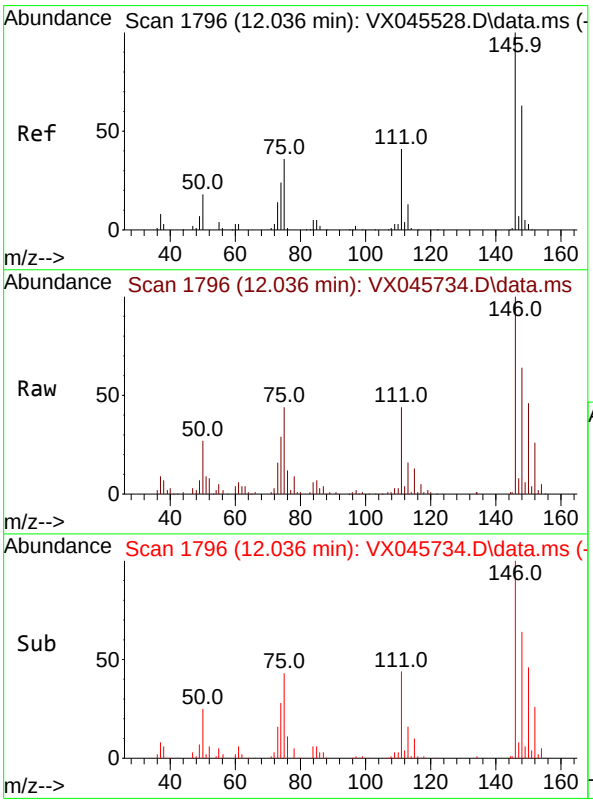
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	64.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

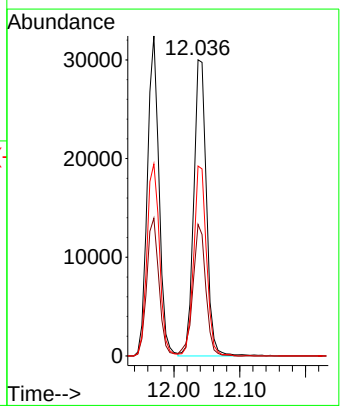
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

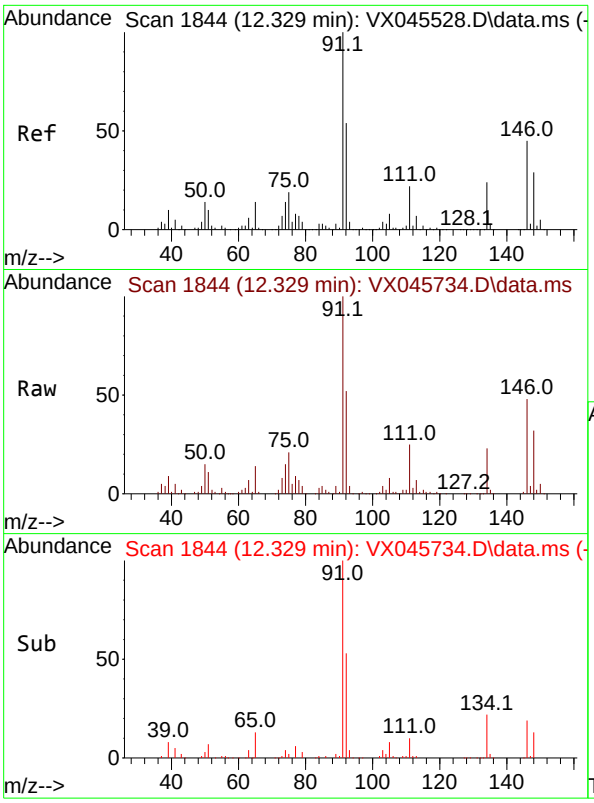


#88
1,4-Dichlorobenzene
Concen: 18.625 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 40207

Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.9	62.8
148	64.5	31.5	94.5

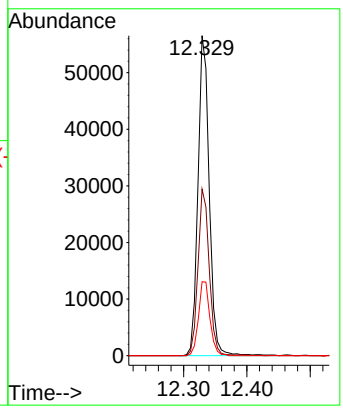




#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 7001

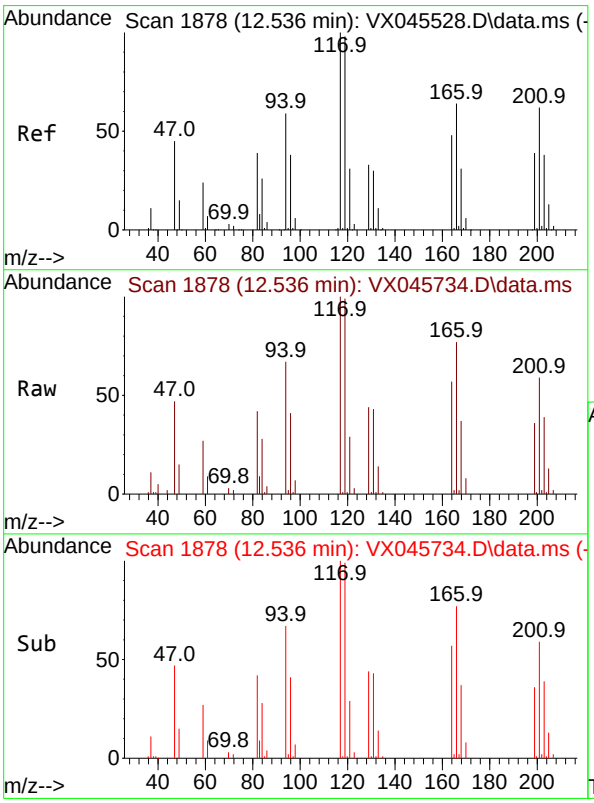
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.9	80.6
134	23.5	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

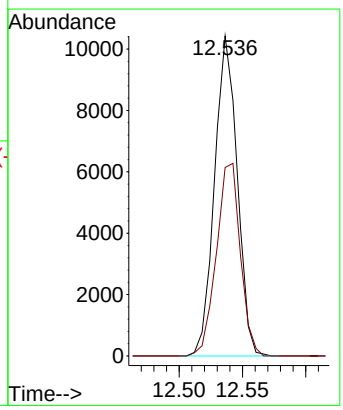
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

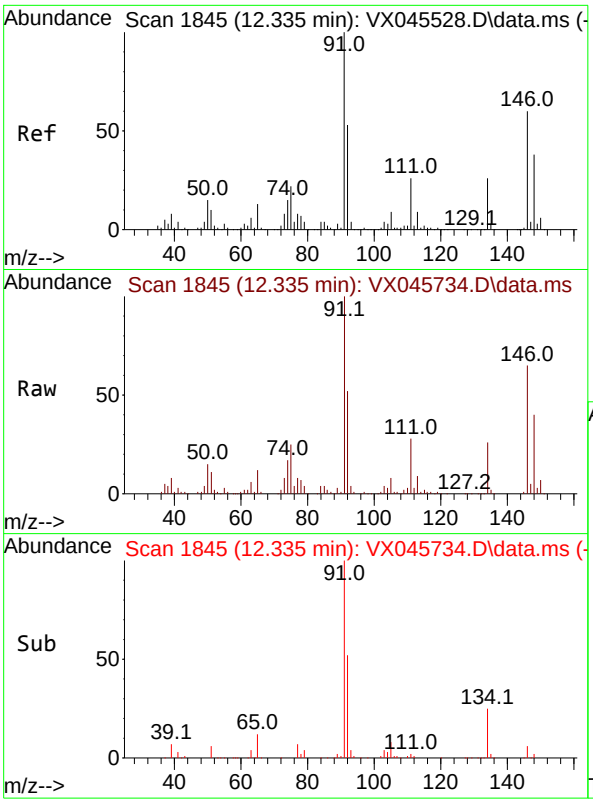


#90
Hexachloroethane
Concen: 17.984 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 12972

Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.2	93.6

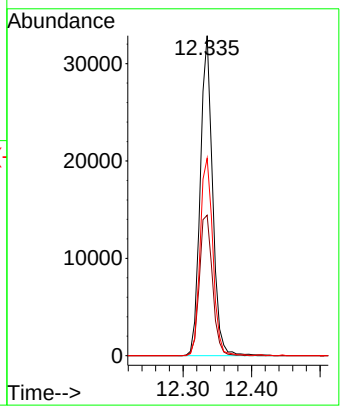




#91
1,2-Dichlorobenzene
Concen: 19.448 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 4117

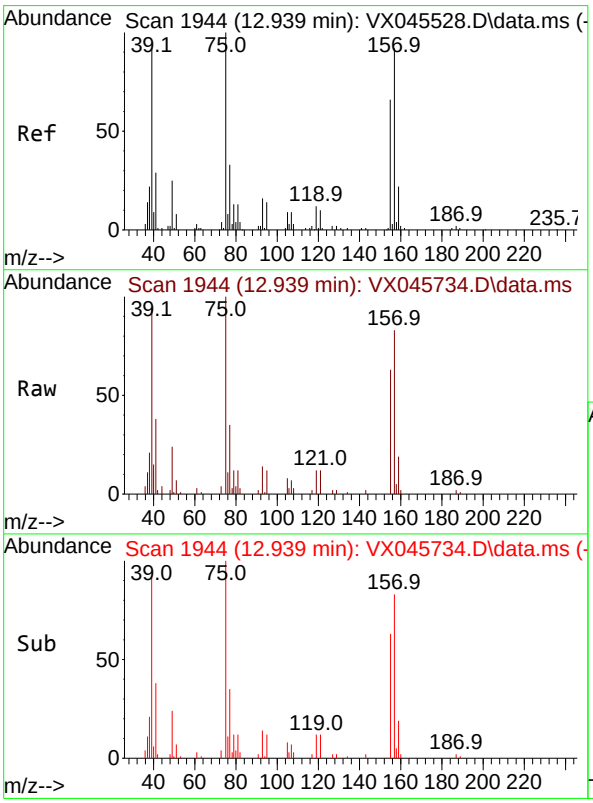
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

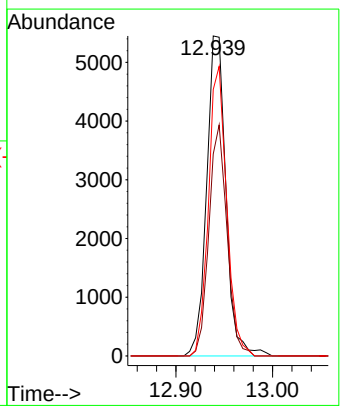
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

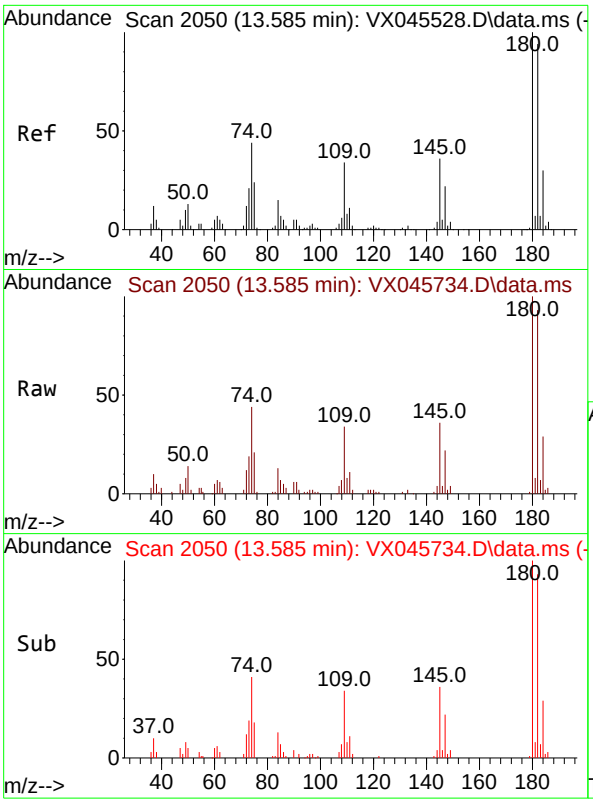


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.323 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 7559

Ion	Ratio	Lower	Upper
75	100		
155	67.8	34.9	104.7
157	85.7	44.9	134.7

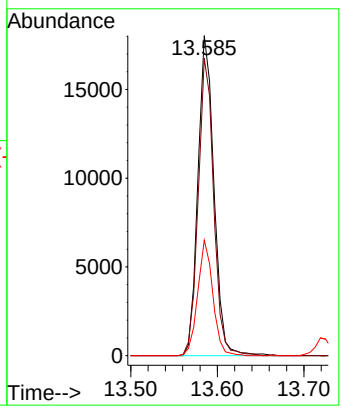




#93
1,2,4-Trichlorobenzene
Concen: 19.650 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:180 Resp: 2315

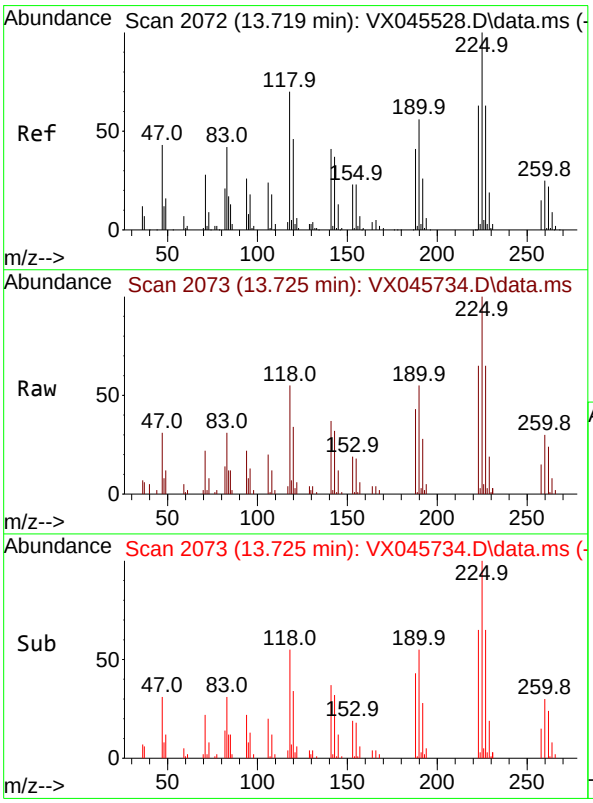
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.9	143.6
145	34.2	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

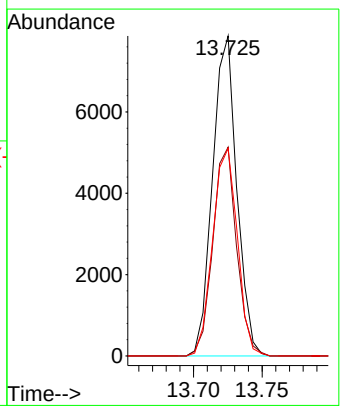
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

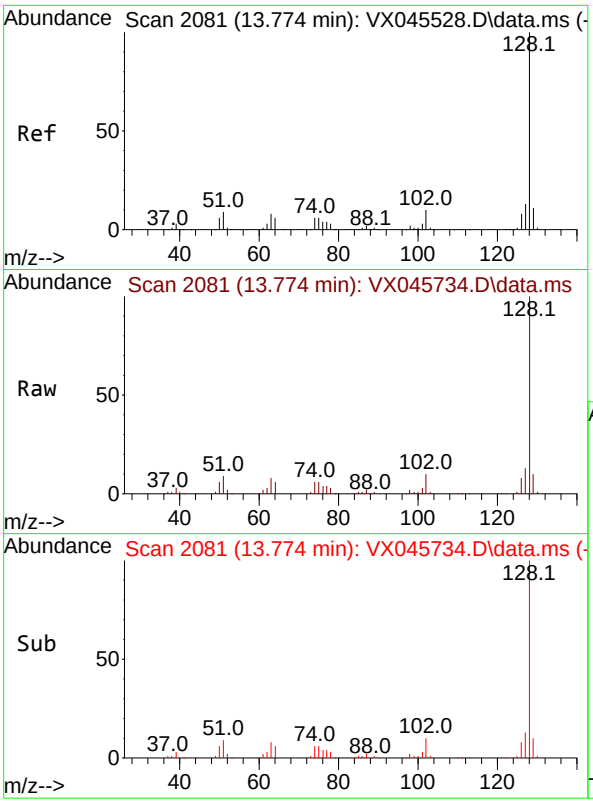


#94
Hexachlorobutadiene
Concen: 19.053 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:225 Resp: 9675

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	66.1	32.2	96.6

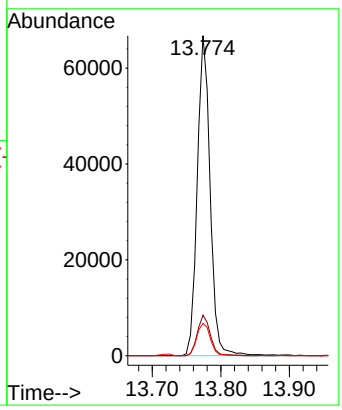




#95
Naphthalene
Concen: 19.903 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:128 Resp: 8728

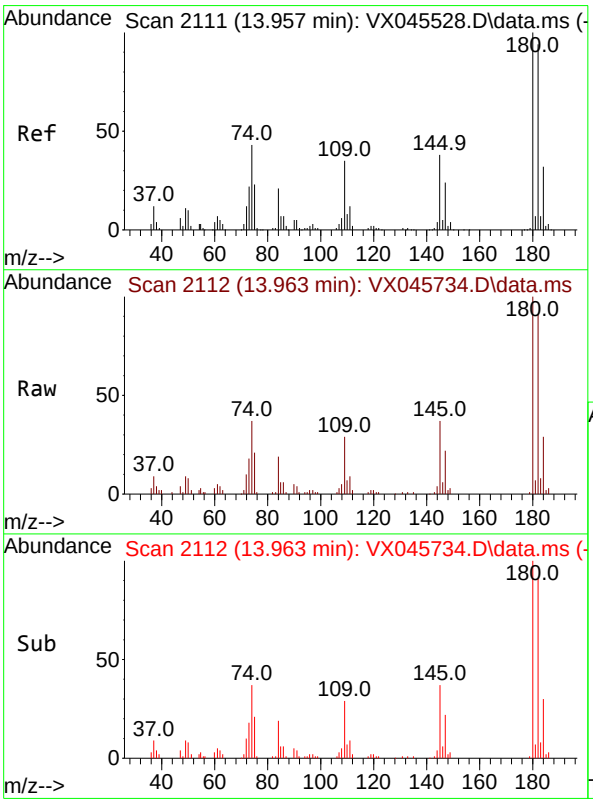
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

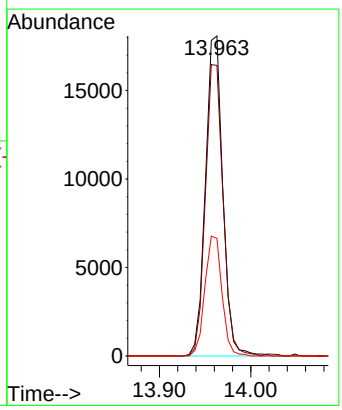
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:180 Resp: 23791

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.3	141.8
145	36.8	18.2	54.6



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Manual Integration Report

Sequence:	VX040225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045525.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dichlorobenzene	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dioxane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Ethyl methacrylate	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Methacrylonitrile	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC005	VX045526.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:22 PM	MMDadoda	4/2/2025 2:16:07 PM	Peak Integrated by Software
VSTDICC020	VX045527.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:25 PM	MMDadoda	4/2/2025 2:16:09 PM	Peak Integrated by Software
VSTDICCC050	VX045528.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:26 PM	MMDadoda	4/2/2025 2:16:11 PM	Peak Integrated by Software
VSTDICC100	VX045529.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:28 PM	MMDadoda	4/2/2025 2:16:15 PM	Peak Integrated by Software
VSTDICC150	VX045530.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:30 PM	MMDadoda	4/2/2025 2:16:46 PM	Peak Integrated by Software
VSTDICV050	VX045532.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:32 PM	MMDadoda	4/2/2025 2:17:50 PM	Peak Integrated by Software
VSTDCCC050	VX045534.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:10 AM	MMDadoda	4/3/2025 1:12:02 PM	Peak Integrated by Software
VSTDCCC050	VX045557.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:58 AM	MMDadoda	4/3/2025 1:12:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX040225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vx041125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045730.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:21 AM	MMDadoda	4/14/2025 3:43:04 PM	Peak Integrated by Software
VX0411WBS01	VX045733.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:26 AM	MMDadoda	4/14/2025 3:43:05 PM	Peak Integrated by Software
VX0411WBSD01	VX045734.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:33 AM	MMDadoda	4/14/2025 3:43:07 PM	Peak Integrated by Software
VSTDCCC050	VX045753.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:45 AM	MMDadoda	4/14/2025 3:43:13 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045524.D	01 Apr 2025 16:15	JC/MD	Ok
2	VSTDICC001	VX045525.D	01 Apr 2025 17:06	JC/MD	Ok,M
3	VSTDICC005	VX045526.D	01 Apr 2025 17:29	JC/MD	Ok,M
4	VSTDICC020	VX045527.D	01 Apr 2025 17:52	JC/MD	Ok,M
5	VSTDICCC050	VX045528.D	01 Apr 2025 18:15	JC/MD	Ok,M
6	VSTDICC100	VX045529.D	01 Apr 2025 18:38	JC/MD	Ok,M
7	VSTDICC150	VX045530.D	01 Apr 2025 19:02	JC/MD	Ok,M
8	IBLK	VX045531.D	01 Apr 2025 19:25	JC/MD	Ok
9	VSTDICV050	VX045532.D	01 Apr 2025 19:48	JC/MD	Ok,M
10	BFB	VX045533.D	02 Apr 2025 09:30	JC/MD	Ok
11	VSTDCCC050	VX045534.D	02 Apr 2025 10:02	JC/MD	Ok,M
12	VX0402MBL01	VX045535.D	02 Apr 2025 10:30	JC/MD	Ok
13	VX0402WBL01	VX045536.D	02 Apr 2025 10:53	JC/MD	Ok
14	VX0402WBS01	VX045537.D	02 Apr 2025 11:16	JC/MD	Ok,M
15	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44	JC/MD	Ok,M
16	Q1697-01	VX045539.D	02 Apr 2025 12:07	JC/MD	Dilution
17	Q1697-02	VX045540.D	02 Apr 2025 12:30	JC/MD	Dilution
18	IBLK	VX045541.D	02 Apr 2025 12:54	JC/MD	Ok
19	Q1697-01DL	VX045542.D	02 Apr 2025 13:21	JC/MD	Ok
20	Q1697-02DL	VX045543.D	02 Apr 2025 13:44	JC/MD	Ok
21	Q1697-03	VX045544.D	02 Apr 2025 14:07	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1697-04	VX045545.D	02 Apr 2025 14:31	JC/MD	Not Ok
23	Q1697-05	VX045546.D	02 Apr 2025 14:54	JC/MD	Not Ok
24	Q1697-07	VX045547.D	02 Apr 2025 15:18	JC/MD	Not Ok
25	IBLK	VX045548.D	02 Apr 2025 15:41	JC/MD	Ok
26	Q1697-03	VX045549.D	02 Apr 2025 16:04	JC/MD	Ok
27	Q1697-04	VX045550.D	02 Apr 2025 16:27	JC/MD	Ok
28	Q1697-05	VX045551.D	02 Apr 2025 16:51	JC/MD	Ok
29	Q1697-06	VX045552.D	02 Apr 2025 17:14	JC/MD	ReRun
30	Q1623-01	VX045553.D	02 Apr 2025 17:37	JC/MD	Ok
31	Q1623-02	VX045554.D	02 Apr 2025 18:01	JC/MD	Ok
32	Q1623-03	VX045555.D	02 Apr 2025 18:24	JC/MD	Ok
33	Q1623-04	VX045556.D	02 Apr 2025 18:47	JC/MD	Ok
34	VSTDCCC050	VX045557.D	02 Apr 2025 19:10	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045729.D	11 Apr 2025 10:14	JC/MD	Ok
2	VSTDCCC050	VX045730.D	11 Apr 2025 10:41	JC/MD	Ok,M
3	VX0411MBL01	VX045731.D	11 Apr 2025 11:09	JC/MD	Ok
4	VX0411WBL01	VX045732.D	11 Apr 2025 11:32	JC/MD	Ok
5	VX0411WBS01	VX045733.D	11 Apr 2025 11:55	JC/MD	Ok,M
6	VX0411WBSD01	VX045734.D	11 Apr 2025 12:22	JC/MD	Ok,M
7	Q1773-02	VX045735.D	11 Apr 2025 12:45	JC/MD	Ok
8	Q1773-03	VX045736.D	11 Apr 2025 13:08	JC/MD	Dilution
9	Q1773-01	VX045737.D	11 Apr 2025 13:32	JC/MD	ReRun
10	Q1790-17	VX045738.D	11 Apr 2025 13:55	JC/MD	Ok
11	Q1790-19	VX045739.D	11 Apr 2025 14:18	JC/MD	Ok
12	Q1782-09	VX045740.D	11 Apr 2025 14:41	JC/MD	Ok
13	Q1782-01	VX045741.D	11 Apr 2025 15:04	JC/MD	Ok
14	Q1782-03	VX045742.D	11 Apr 2025 15:28	JC/MD	Ok
15	Q1782-05	VX045743.D	11 Apr 2025 15:51	JC/MD	Ok
16	Q1767-01	VX045744.D	11 Apr 2025 16:14	JC/MD	Not Ok
17	VX0411MBS01	VX045745.D	11 Apr 2025 16:37	JC/MD	Ok,M
18	Q1773-03DL	VX045746.D	11 Apr 2025 17:00	JC/MD	Ok
19	Q1773-01	VX045747.D	11 Apr 2025 17:23	JC/MD	Ok
20	Q1790-01	VX045748.D	11 Apr 2025 17:47	JC/MD	Not Ok
21	Q1790-04	VX045749.D	11 Apr 2025 18:10	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1790-06	VX045750.D	11 Apr 2025 18:33	JC/MD	Not Ok
23	IBLK	VX045751.D	11 Apr 2025 18:56	JC/MD	Ok
24	IBLK	VX045752.D	11 Apr 2025 19:19	JC/MD	Ok
25	VSTDCCC050	VX045753.D	11 Apr 2025 19:42	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045524.D	01 Apr 2025 16:15		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045525.D	01 Apr 2025 17:06	%D failed for Comp. #53 in 01PPB	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045526.D	01 Apr 2025 17:29		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045527.D	01 Apr 2025 17:52		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045528.D	01 Apr 2025 18:15		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045529.D	01 Apr 2025 18:38		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045530.D	01 Apr 2025 19:02		JC/MD	Ok,M
8	IBLK	IBLK	VX045531.D	01 Apr 2025 19:25		JC/MD	Ok
9	VSTDICV050	ICVVX040225	VX045532.D	01 Apr 2025 19:48		JC/MD	Ok,M
10	BFB	BFB	VX045533.D	02 Apr 2025 09:30		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045534.D	02 Apr 2025 10:02	pH#Lot#V12668	JC/MD	Ok,M
12	VX0402MBL01	VX0402MBL01	VX045535.D	02 Apr 2025 10:30		JC/MD	Ok
13	VX0402WBL01	VX0402WBL01	VX045536.D	02 Apr 2025 10:53		JC/MD	Ok
14	VX0402WBS01	VX0402WBS01	VX045537.D	02 Apr 2025 11:16		JC/MD	Ok,M
15	VX0402WBSD01	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44		JC/MD	Ok,M
16	Q1697-01	MW-19B-72-040125	VX045539.D	02 Apr 2025 12:07	vial A pH<2 Need 200X	JC/MD	Dilution
17	Q1697-02	IW-01-55-040125	VX045540.D	02 Apr 2025 12:30	vial A pH<2 Need 10X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	IBLK	IBLK	VX045541.D	02 Apr 2025 12:54		JC/MD	Ok
19	Q1697-01DL	MW-19B-72-040125DL	VX045542.D	02 Apr 2025 13:21	vial B pH<2	JC/MD	Ok
20	Q1697-02DL	IW-01-55-040125DL	VX045543.D	02 Apr 2025 13:44	vial B pH<2	JC/MD	Ok
21	Q1697-03	IW-02-55-040125	VX045544.D	02 Apr 2025 14:07	Need lower dilution	JC/MD	Not Ok
22	Q1697-04	IW-02-55-040125-FD	VX045545.D	02 Apr 2025 14:31	Need lower dilution	JC/MD	Not Ok
23	Q1697-05	IW-03-55-040125	VX045546.D	02 Apr 2025 14:54	Need lower dilution	JC/MD	Not Ok
24	Q1697-07	MW-19B-72-040125	VX045547.D	02 Apr 2025 15:18	Not On Login	JC/MD	Not Ok
25	IBLK	IBLK	VX045548.D	02 Apr 2025 15:41		JC/MD	Ok
26	Q1697-03	IW-02-55-040125	VX045549.D	02 Apr 2025 16:04	vial A pH<2	JC/MD	Ok
27	Q1697-04	IW-02-55-040125-FD	VX045550.D	02 Apr 2025 16:27	vial A pH<2	JC/MD	Ok
28	Q1697-05	IW-03-55-040125	VX045551.D	02 Apr 2025 16:51	vial A pH<2	JC/MD	Ok
29	Q1697-06	TB-01-040125	VX045552.D	02 Apr 2025 17:14	vial A pH<2 TB;Hit of comp.#44	JC/MD	ReRun
30	Q1623-01	Storage-Blank-SOIL-RE	VX045553.D	02 Apr 2025 17:37	vial A pH<2	JC/MD	Ok
31	Q1623-02	Storage-Blank-WATER-	VX045554.D	02 Apr 2025 18:01	vial A pH<2	JC/MD	Ok
32	Q1623-03	Storage-Blank-WATER-	VX045555.D	02 Apr 2025 18:24	vial A pH<2	JC/MD	Ok
33	Q1623-04	Storage-Blank-SAMPLE	VX045556.D	02 Apr 2025 18:47	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX045557.D	02 Apr 2025 19:10		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
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	VX045729.D	11 Apr 2025 10:14		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045730.D	11 Apr 2025 10:41	pH#Lot#V12668	JC/MD	Ok,M
3	VX0411MBL01	VX0411MBL01	VX045731.D	11 Apr 2025 11:09		JC/MD	Ok
4	VX0411WBL01	VX0411WBL01	VX045732.D	11 Apr 2025 11:32		JC/MD	Ok
5	VX0411WBS01	VX0411WBS01	VX045733.D	11 Apr 2025 11:55		JC/MD	Ok,M
6	VX0411WBSD01	VX0411WBSD01	VX045734.D	11 Apr 2025 12:22		JC/MD	Ok,M
7	Q1773-02	BP-TT190D2-GW-2025	VX045735.D	11 Apr 2025 12:45	vial A pH<2	JC/MD	Ok
8	Q1773-03	BP-TT190D1-GW-2025	VX045736.D	11 Apr 2025 13:08	vial A pH<2 Need 10X	JC/MD	Dilution
9	Q1773-01	BP-TB-20250407	VX045737.D	11 Apr 2025 13:32	vial A pH<2 TB;E flag of previous sample	JC/MD	ReRun
10	Q1790-17	EB01-041025	VX045738.D	11 Apr 2025 13:55	vial A pH<2 EB	JC/MD	Ok
11	Q1790-19	FB01-041025	VX045739.D	11 Apr 2025 14:18	vial A pH<2 FB	JC/MD	Ok
12	Q1782-09	TRIP BLANK	VX045740.D	11 Apr 2025 14:41	vial A pH<2 TB	JC/MD	Ok
13	Q1782-01	MW-1	VX045741.D	11 Apr 2025 15:04	vial A pH<2	JC/MD	Ok
14	Q1782-03	MW-2	VX045742.D	11 Apr 2025 15:28	vial A pH<2	JC/MD	Ok
15	Q1782-05	MW-3	VX045743.D	11 Apr 2025 15:51	vial A pH<2	JC/MD	Ok
16	Q1767-01	NWB-2152	VX045744.D	11 Apr 2025 16:14	run @10x	JC/MD	Not Ok
17	VX0411MBS01	VX0411MBS01	VX045745.D	11 Apr 2025 16:37		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1773-03DL	BP-TT190D1-GW-2025	VX045746.D	11 Apr 2025 17:00	vial B pH<2	JC/MD	Ok
19	Q1773-01	BP-TB-20250407	VX045747.D	11 Apr 2025 17:23	vial B pH<2 TB	JC/MD	Ok
20	Q1790-01	S-872-GI-SO-20.0-20.5	VX045748.D	11 Apr 2025 17:47	run st. MEOH	JC/MD	Not Ok
21	Q1790-04	S-871-GI-SO-23.0-23.5	VX045749.D	11 Apr 2025 18:10	run st. MEOH	JC/MD	Not Ok
22	Q1790-06	S-870-GI-SO-22.0-22.5	VX045750.D	11 Apr 2025 18:33	run st. MEOH	JC/MD	Not Ok
23	IBLK	IBLK	VX045751.D	11 Apr 2025 18:56		JC/MD	Ok
24	IBLK	IBLK	VX045752.D	11 Apr 2025 19:19		JC/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VX045753.D	11 Apr 2025 19:42		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1773

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vx041125,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133174,VP133342,VP133544,VP133640,VP133641,VP133642,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14289,V14431,V14435,V14501,V14502,V14523,V14524,V14613,V14614,V14615,V14630,V14631,V14632,V14633,V14719,V14720,V14726,V14744,V14753,V14804,V14805,V14842,V14883,V14896,V14897,V14898,V14899,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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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	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = 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
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133342	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 1.00000ml of V14896 + 1.00000ml of V14897 + 1.00000ml of V14898 + 1.00000ml of V14899 + 21.00000ml of V14883 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133544	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14431 + 1.00000ml of V14435 + 1.00000ml of V14501 + 1.00000ml of V14502 + 1.00000ml of V14523 + 1.00000ml of V14524 + 1.00000ml of V14726 + 1.00000ml of V14744 + 1.00000ml of V14753 + 1.00000ml of V14804 + 1.00000ml of V14805 + 1.50000ml of V14719 + 1.50000ml of V14720 + 10.60000ml of V14615 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133640	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133641	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = 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	VP133642	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

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	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14431

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	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14501

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14502

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14523

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)	091724	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14524

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	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

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	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

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	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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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.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

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	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14719

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	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14720

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	A02110618	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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	A0216826	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

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	A0220471	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14804

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	A0220471	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14805

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	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

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	10/25/2025	02/19/2025 / Jaswal	04/22/2024 / Jaswal	V14883

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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)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14897

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

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 Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

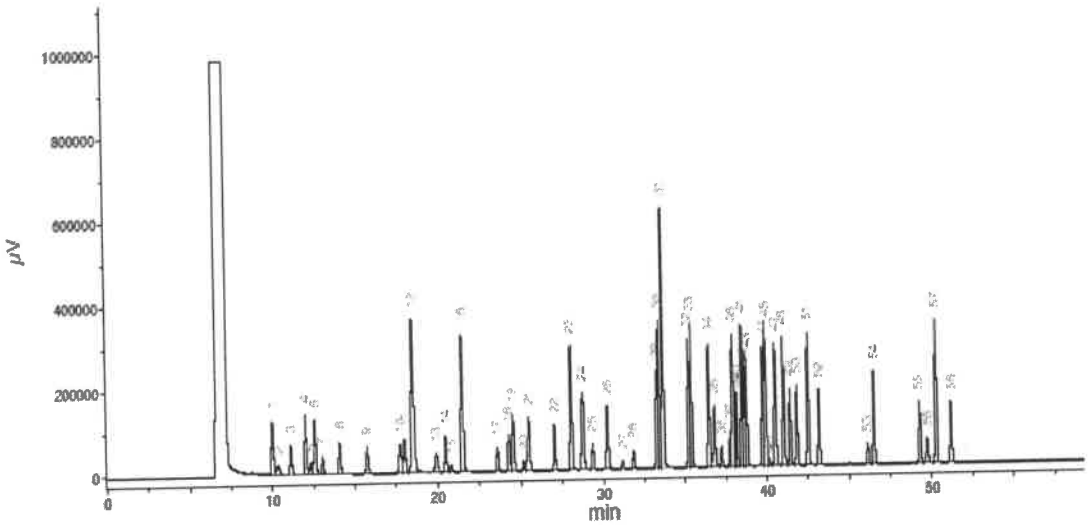
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	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	(0466)	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)	06128PX	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	20.8	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	40017.6	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 (45mg/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	1999.8	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	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	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 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
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.	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)

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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty — 5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

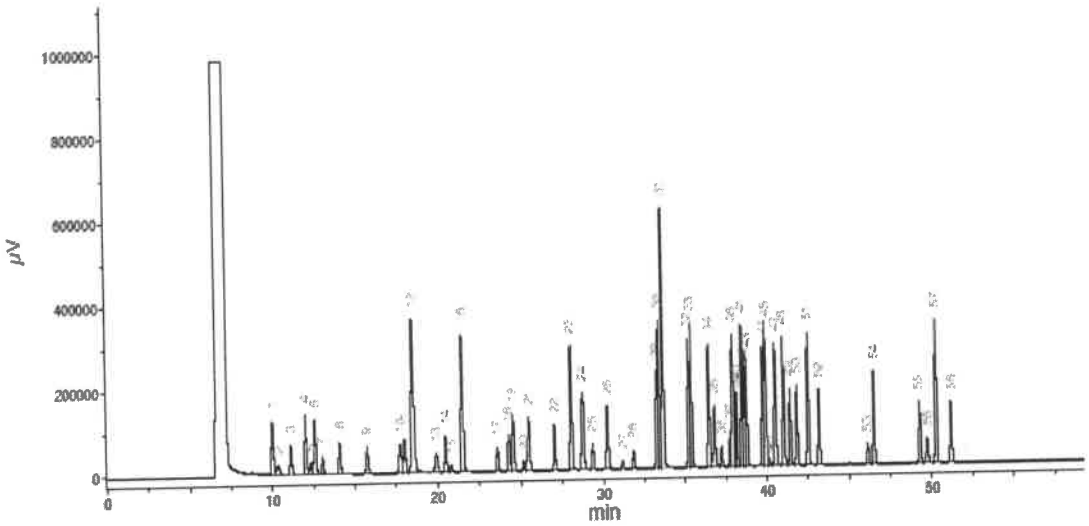
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	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	(0466)	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)	06128PX	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	20.8	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	40017.6	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 (45mg/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	1999.8	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	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/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	40000.8	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 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.23
33	Styrene	35.30
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
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, 2024

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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

Rec 03/18/24
5 vials

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

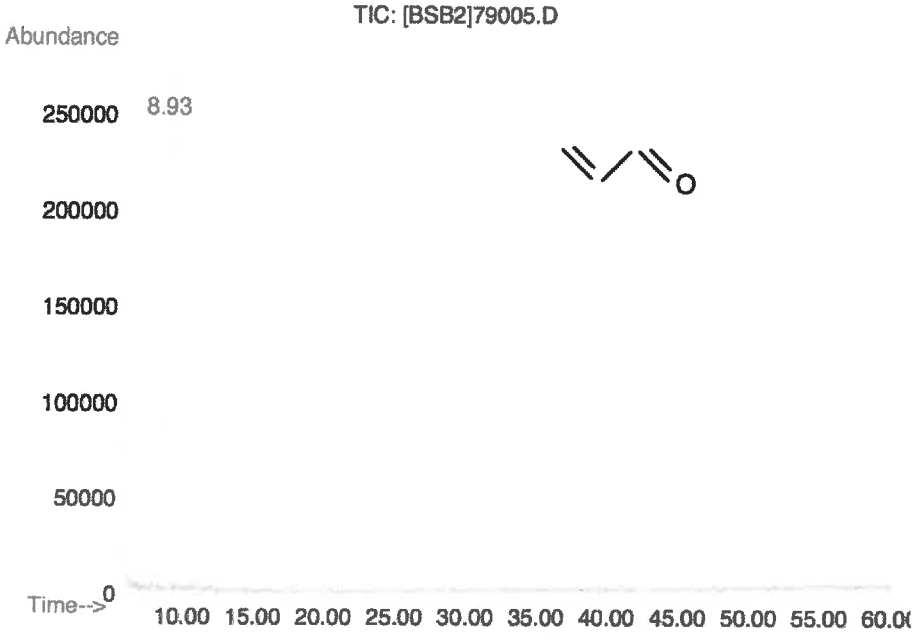
Weight(s) shown below were combined and diluted to (mL): 10.0

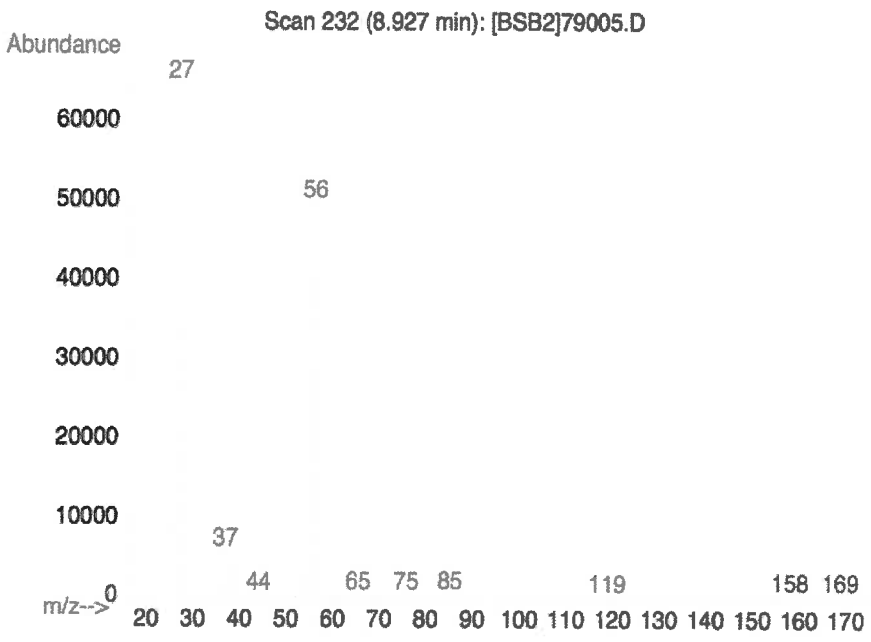
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 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	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	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).**

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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, 2025

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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Certified Reference Material CRM

Rec 03/18/24

ANAB ISO 17034 Accredite
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CERTIFIED WEIGHT REPORT

5 vials

Part Number:	91980
Lot Number:	031725
Description:	Acrolein
Expiration Date:	041725
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 072324Q

V14895 to V14899

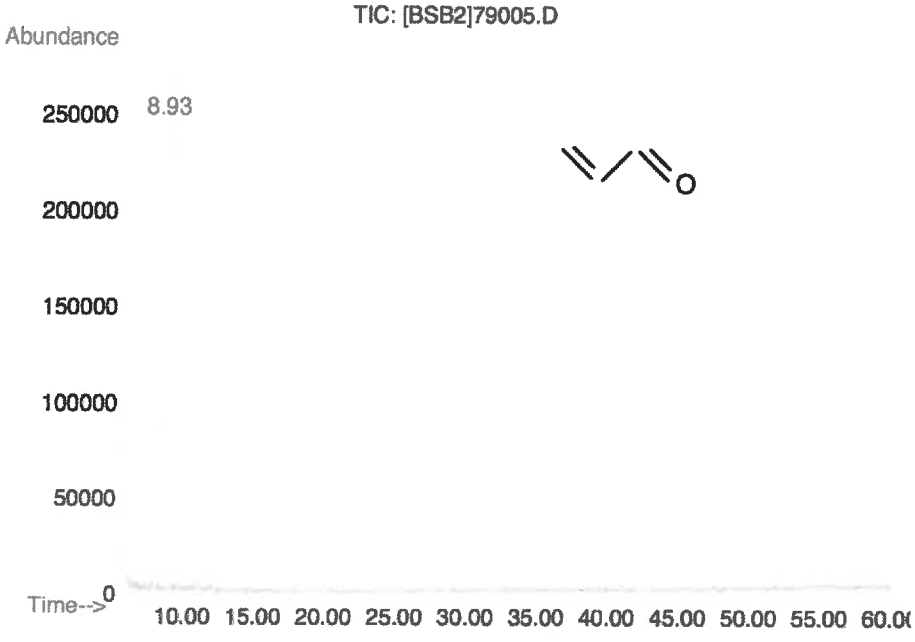
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

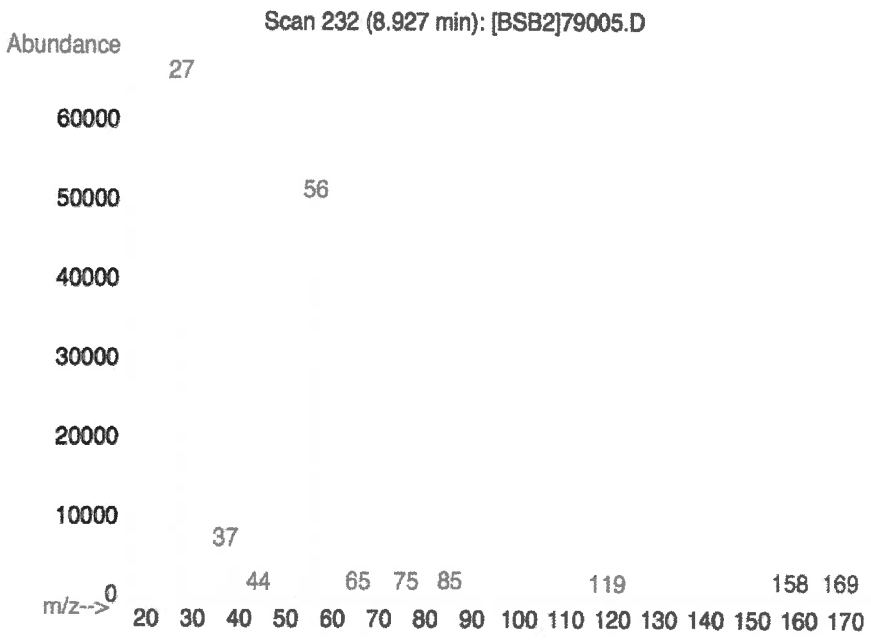
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 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	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

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

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Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
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CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

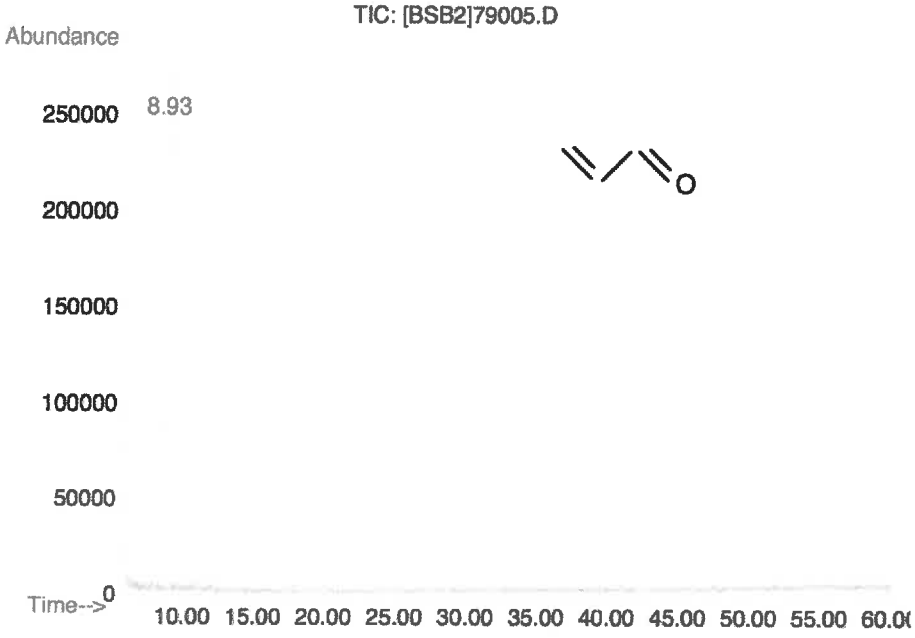
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

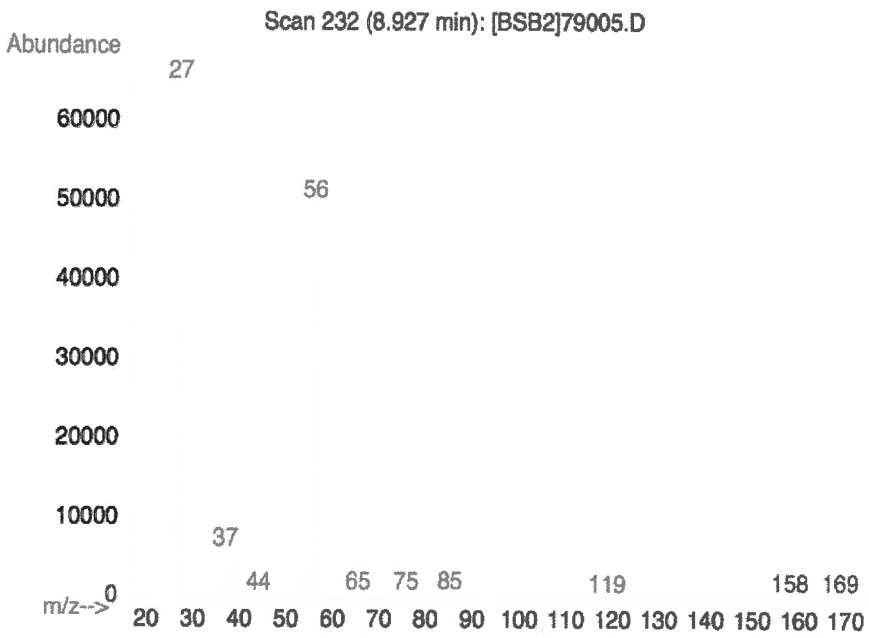
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By: Lawrence Barry	031725 DATE
Reviewed By: Pedro L. Rentas	031725 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	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

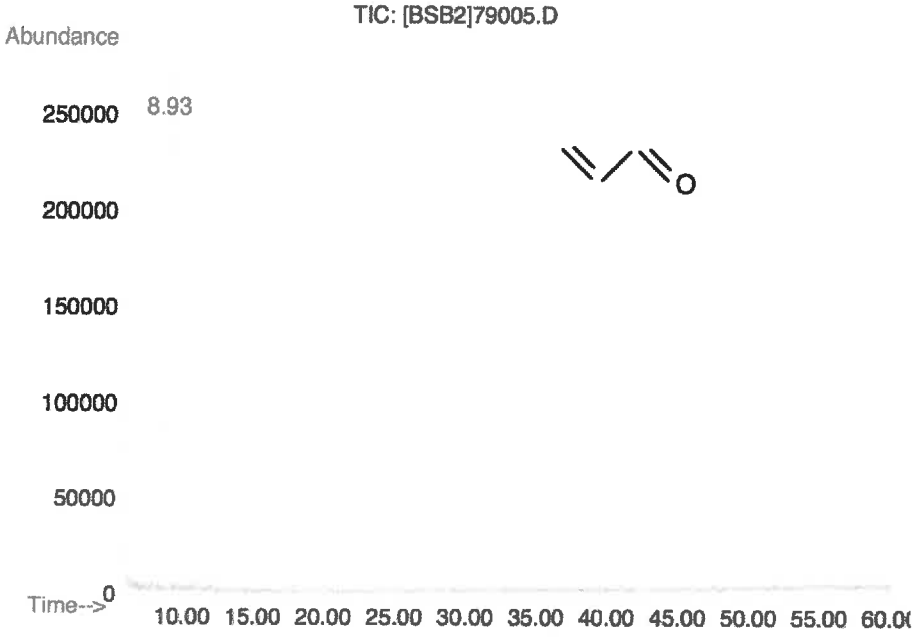
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

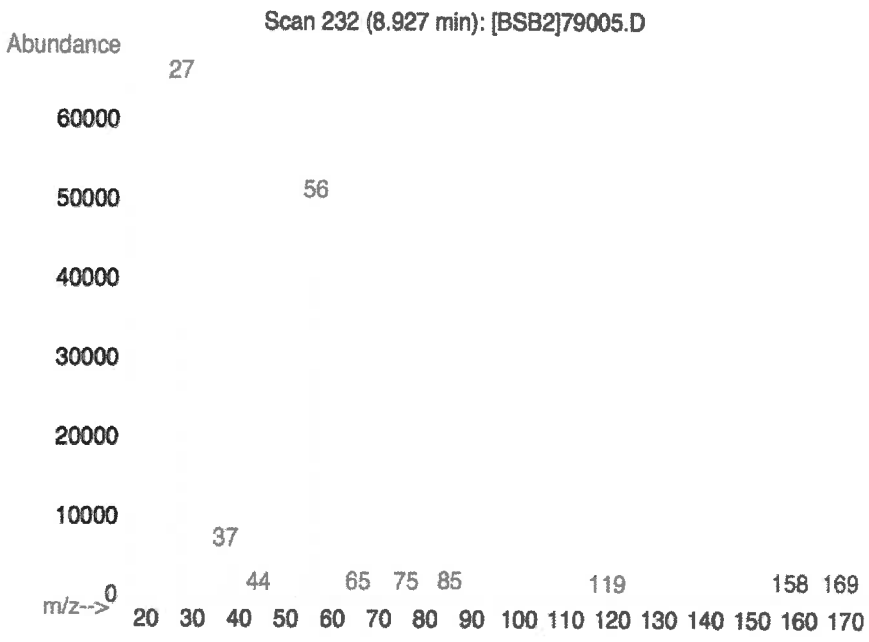
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By: Lawrence Barry	031725 DATE
Reviewed By: Pedro L. Rentas	031725 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	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

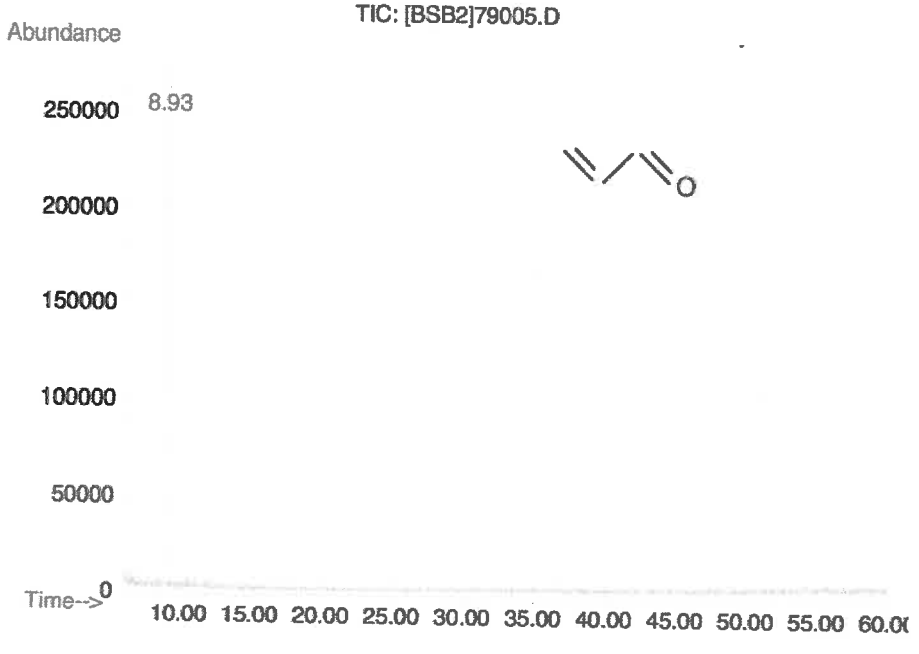
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

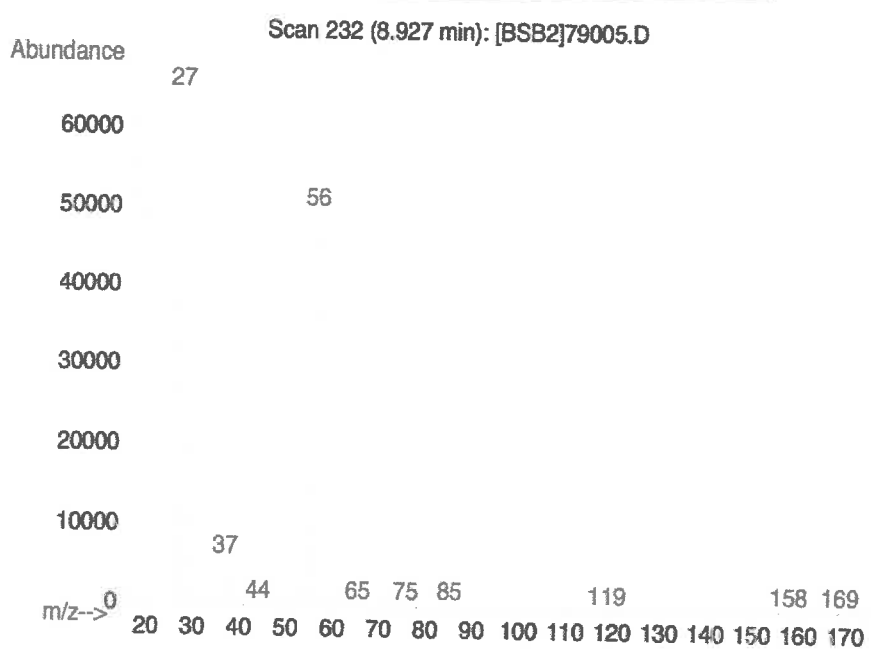
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
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	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

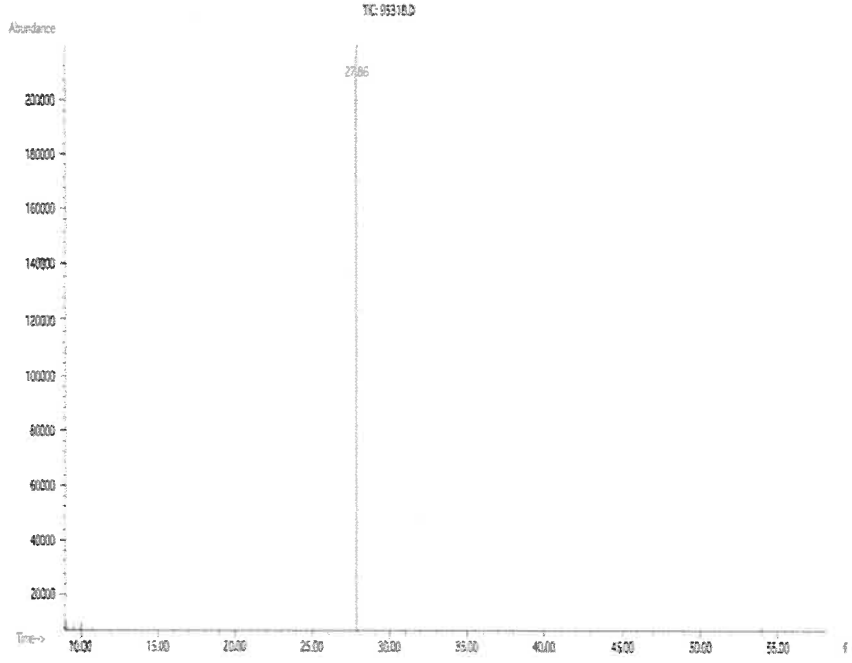
Solvent(s): Methanol **Lot#** EJ143-US

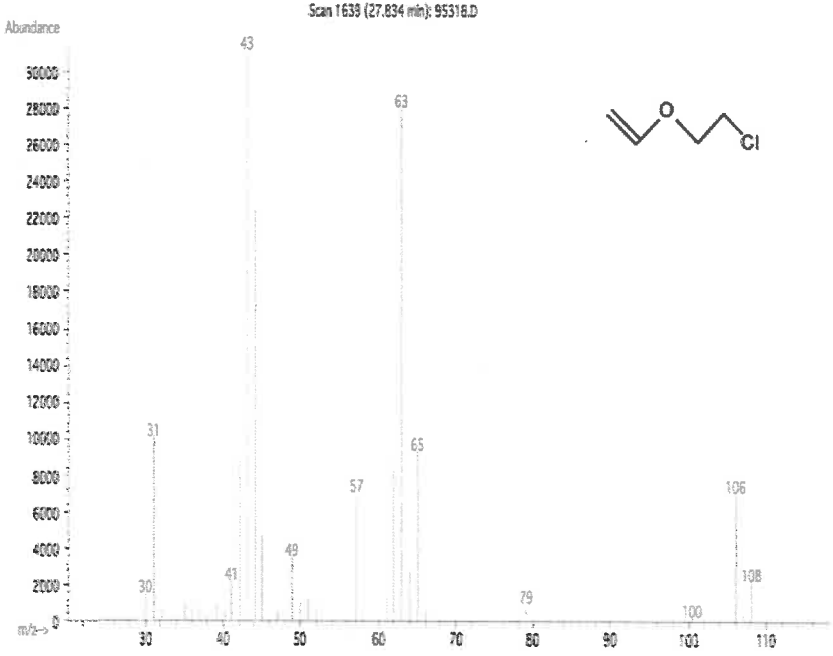
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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 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, 2024

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.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

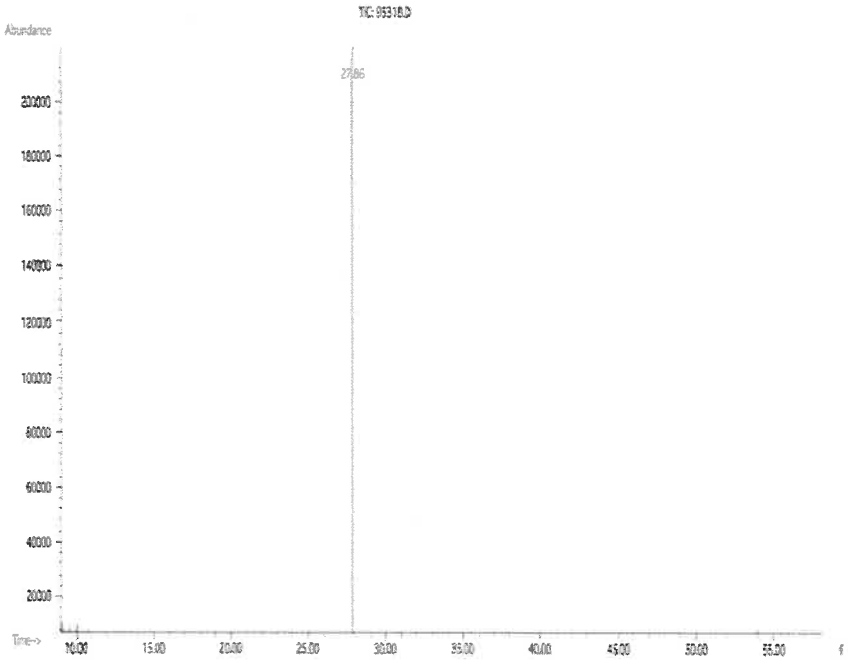
Solvent(s): Methanol **Lot#** EJ143-US

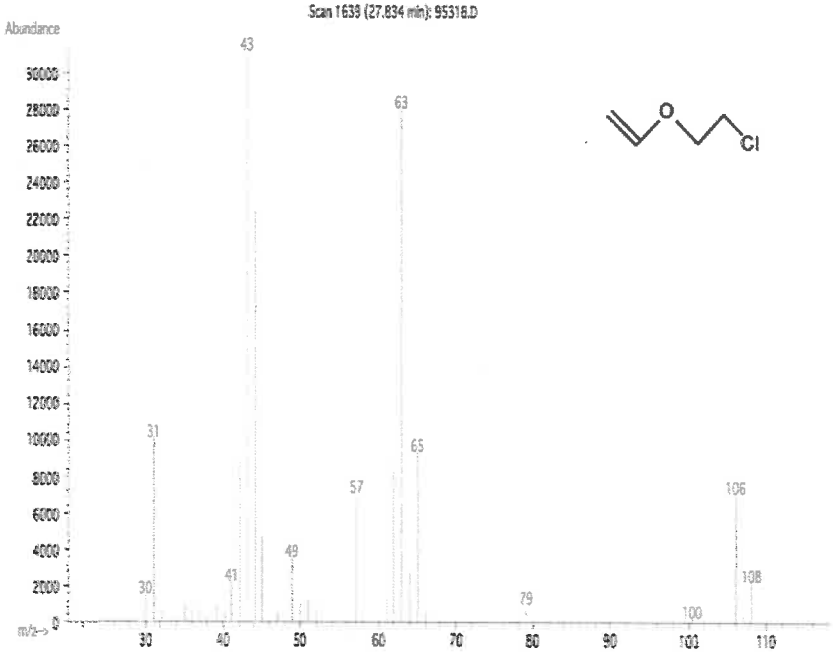
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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 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, 2024

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.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

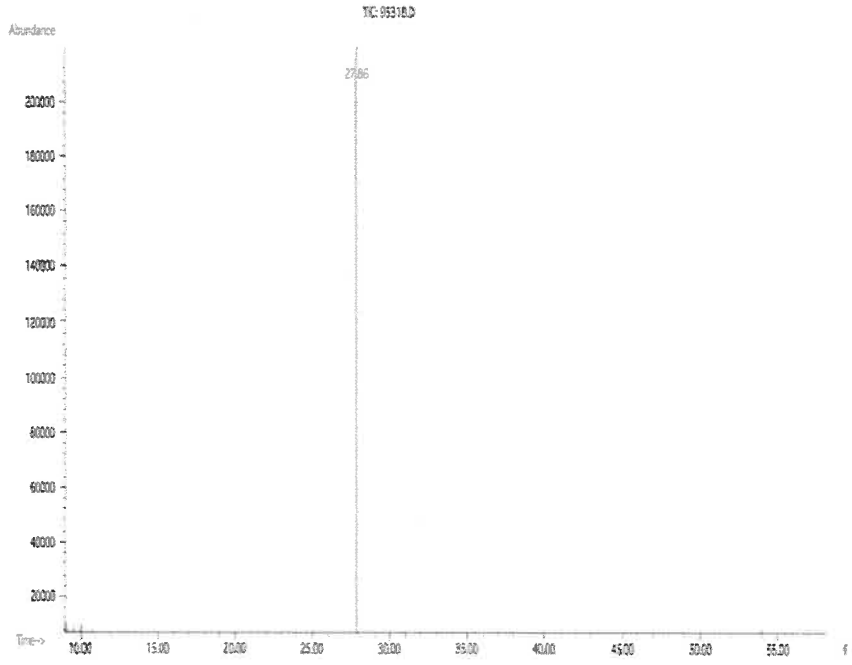
Solvent(s): Methanol **Lot#** EJ143-US

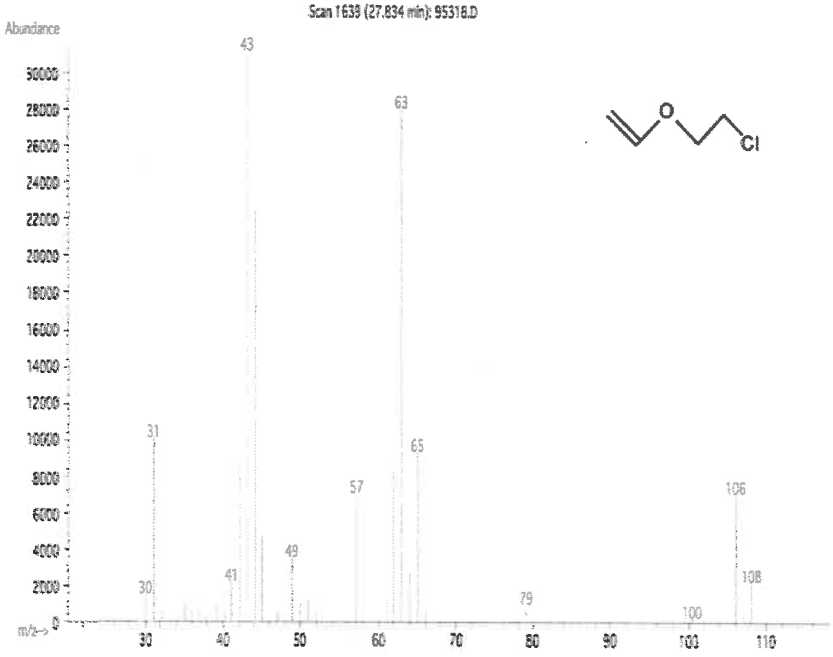
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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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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, 2024

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
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Toxic if absorbed through skin. Causes skin irritation.
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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

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CERTIFIED WEIGHT REPORT

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Nominal Concentration (µg/mL): 10000
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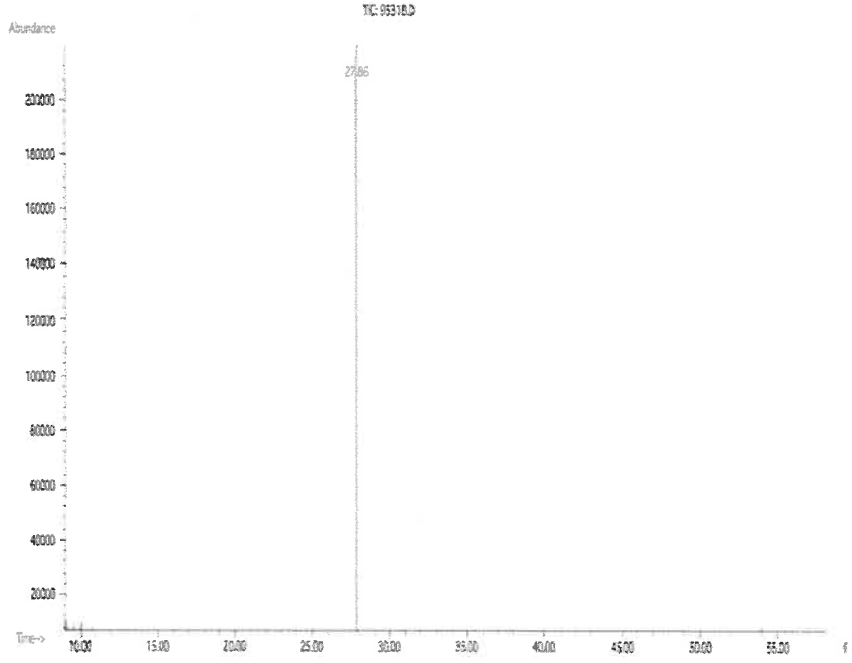
Solvent(s): Methanol **Lot#** EJ143-US

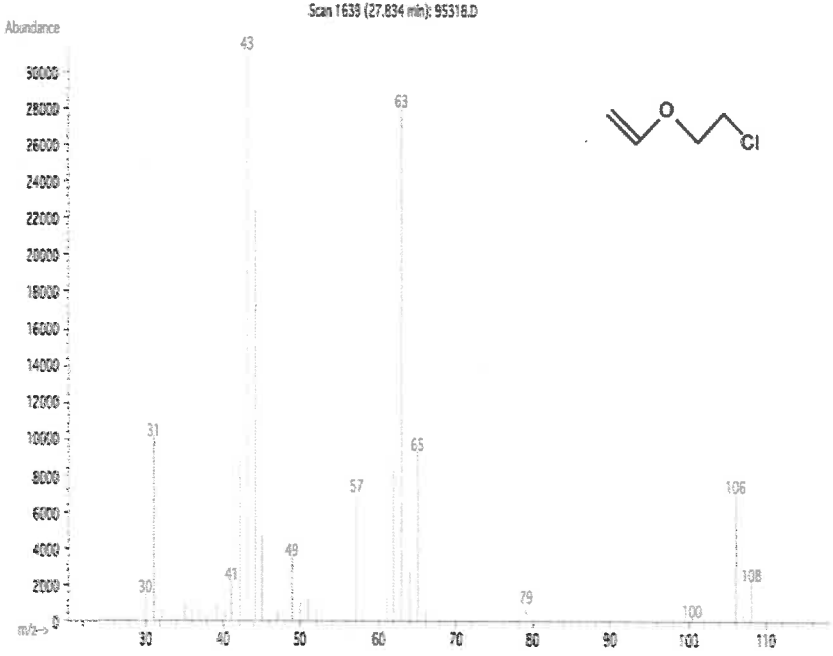
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
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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	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-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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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**
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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.

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Section IV. FIRST AID MEASURES

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Section V. FIREFIGHTING MEASURES

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Solubility in Water COMPLETE

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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
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Section XV. REGULATORY INFORMATION

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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.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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.)

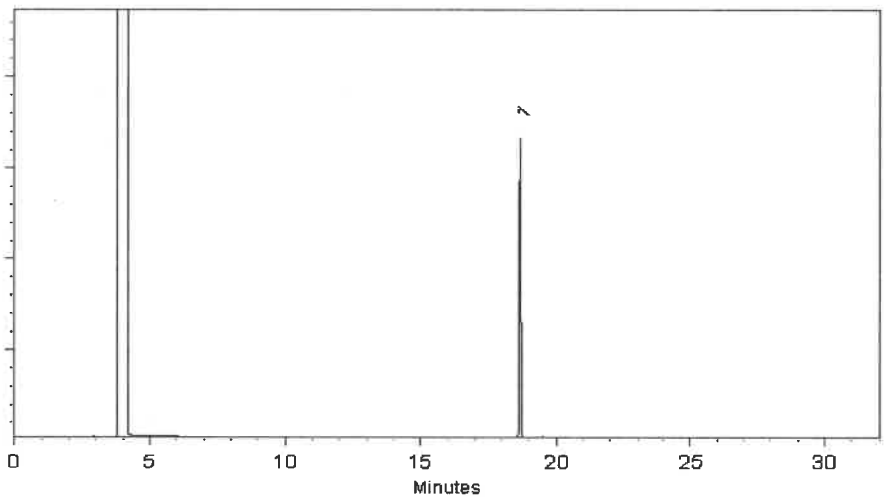
Inj. Temp:
200°C

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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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.)

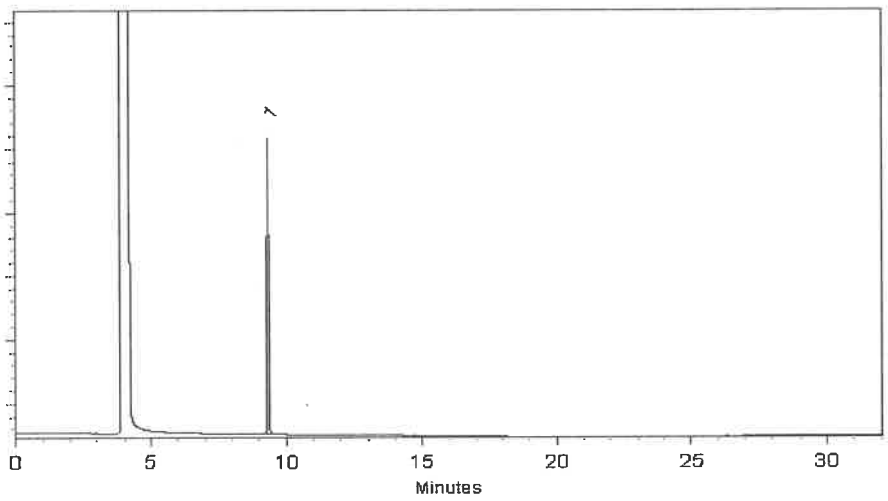
Inj. Temp:
200°C

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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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

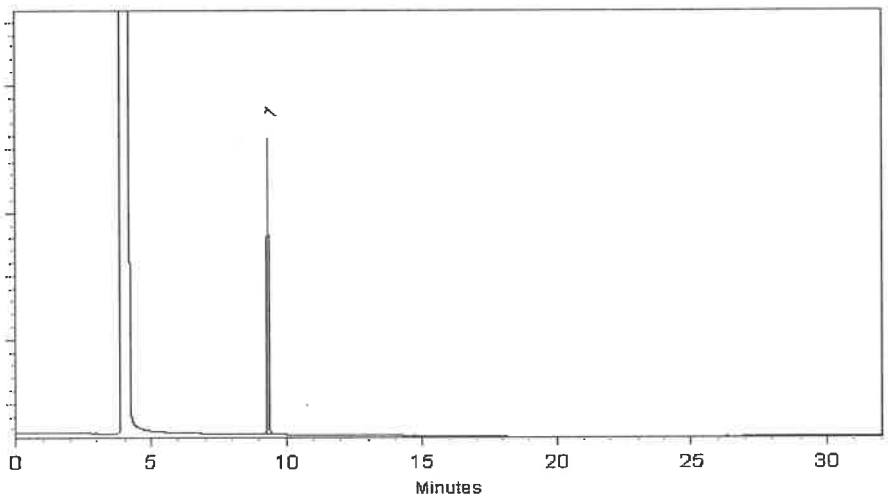
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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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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.)

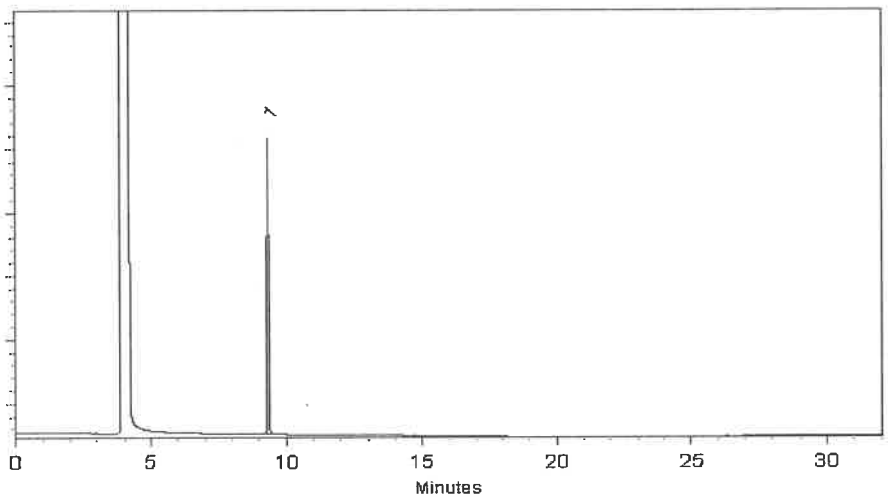
Inj. Temp:
200°C

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.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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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.)

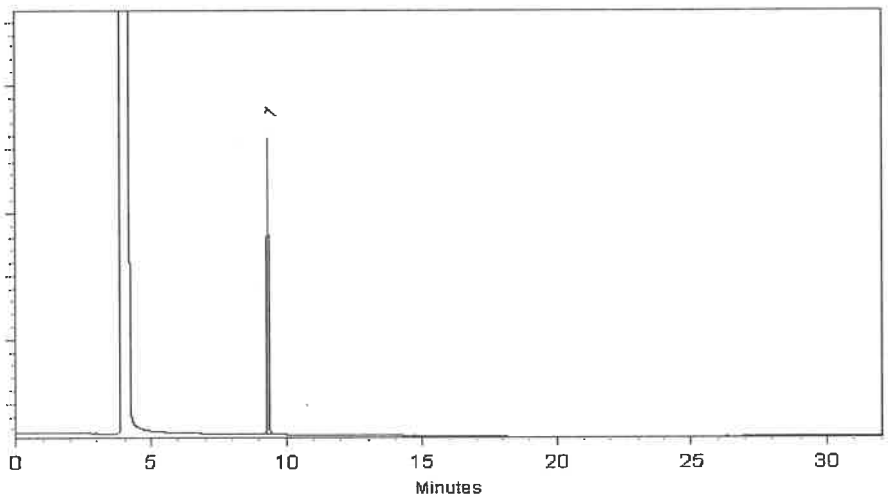
Inj. Temp:
200°C

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:

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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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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. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

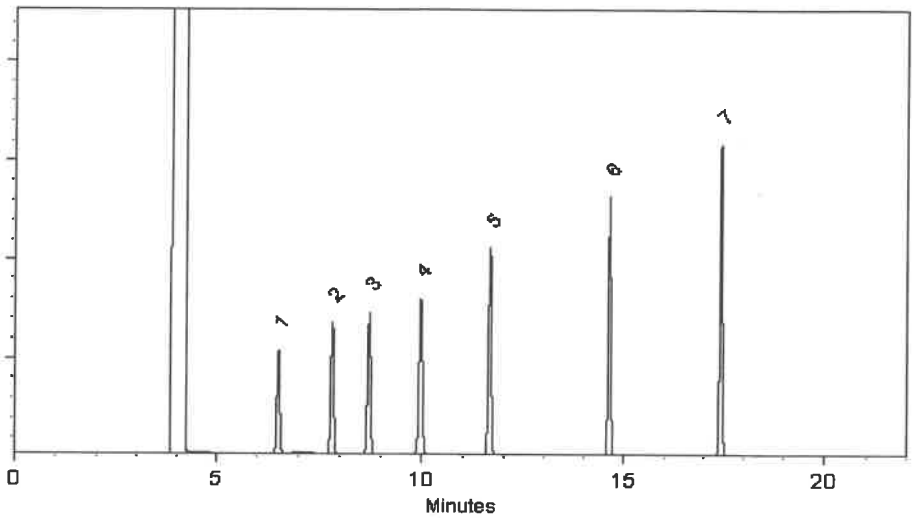
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

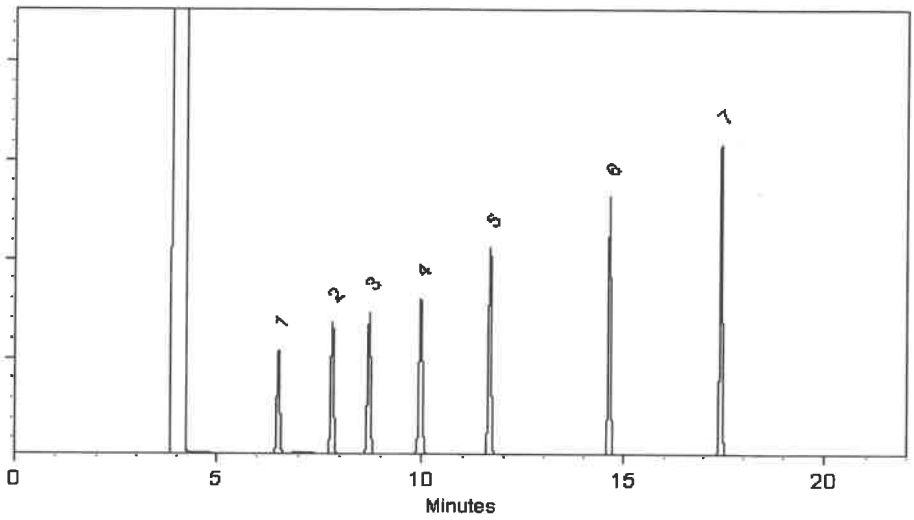
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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:

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

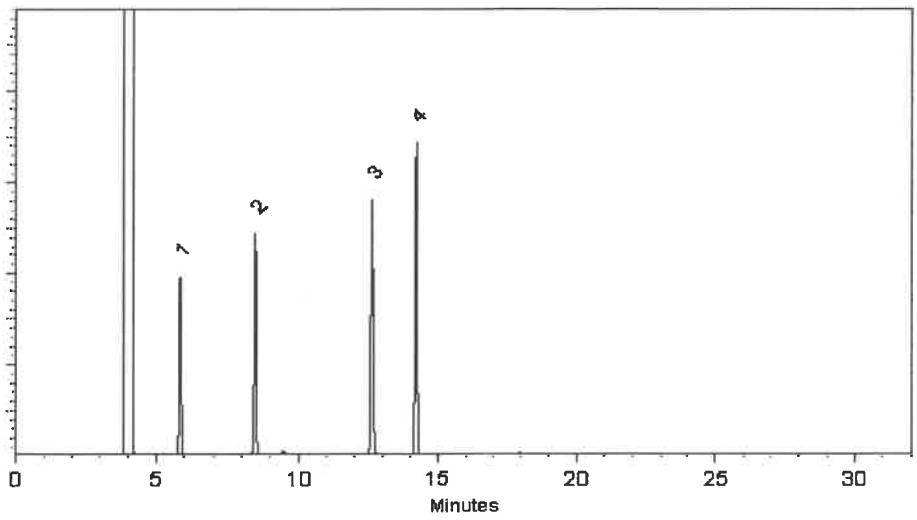
Inj. Temp:
200°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

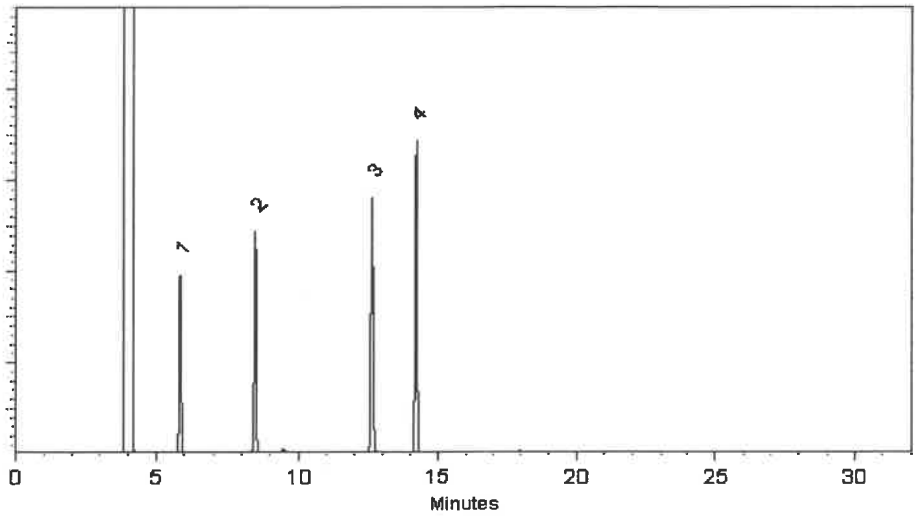
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

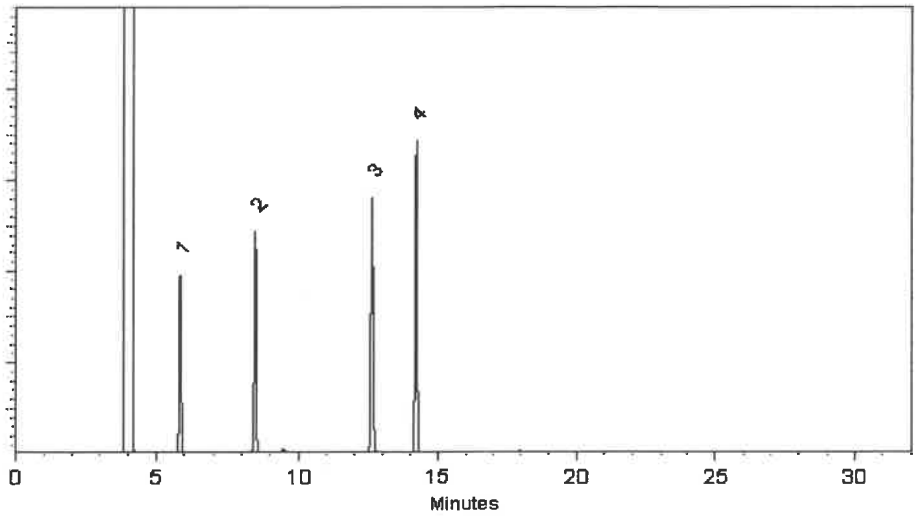
Inj. Temp:
200°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

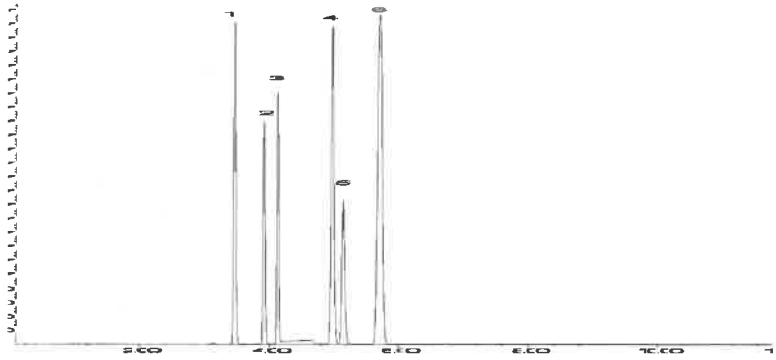
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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V14727 to
V14756

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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.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

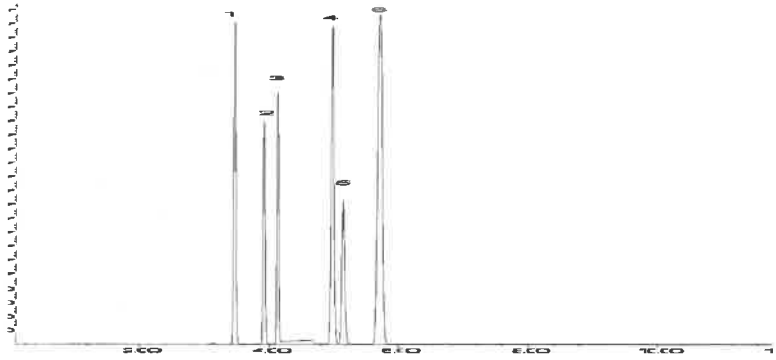
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

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.:** A0217535

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 : October 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	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* 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.)

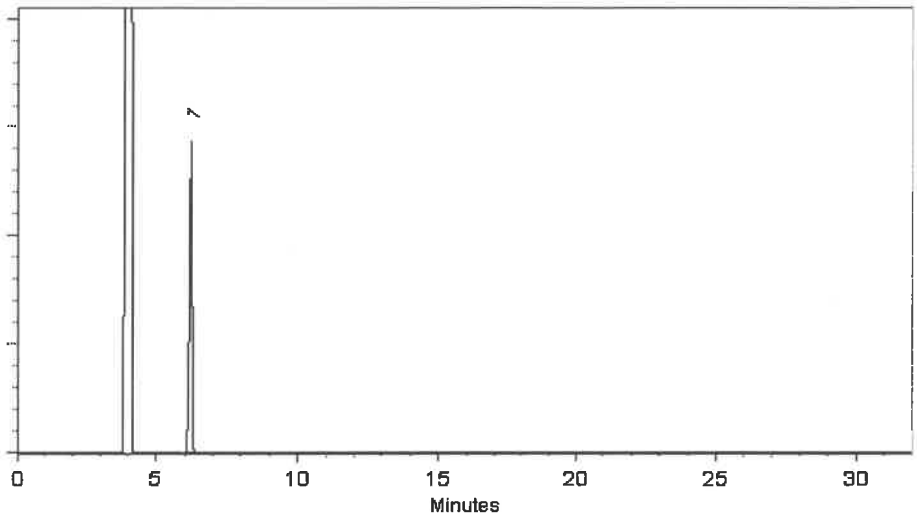
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

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, 2026 **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	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* 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.)

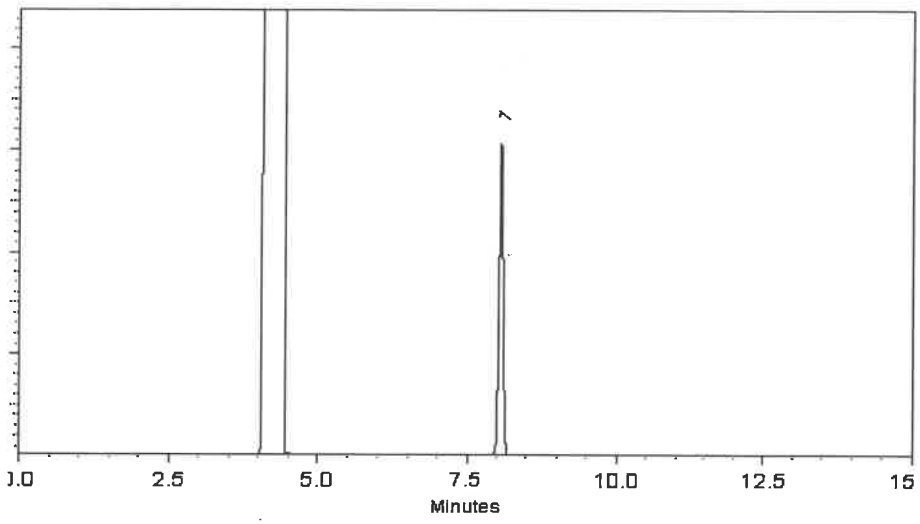
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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V14803 - V14822

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

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, 2026 **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	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* 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.)

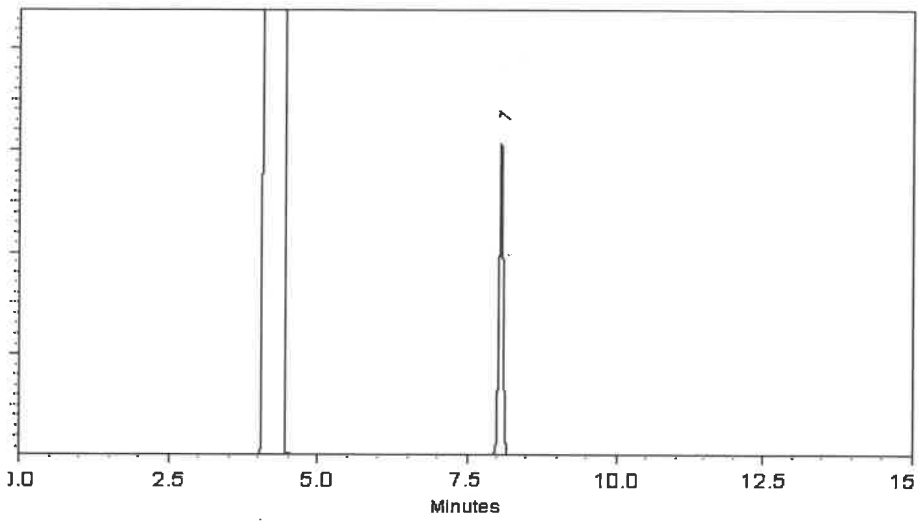
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

V14883
V14884

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
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James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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: Q1773

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Ln., Suite 300	PROJECT #: 112G08005-WE13 LOCATION: TT-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:_____Standard_____ DAYS*
HARD COPY:_____Standard_____DAYS*
EDD_____Standard_____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(8260)	1,4-dioxane (8270-SIM)							

PRESERVATIVES

	A								
	1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	COMMENTS
1.	BP-TB-20250407	QA		X	4/7/25	9:00	2	Trip Blank
2.	BP-TT-190D2-GW-20250407	AQ		X	4/7/25	11:05	3	
3.	BP-TT-190D1-GW-20250409	AQ		X	4/9/25	10:30	3	
4.								
5.								
6.								
7.								
8.								
9.								
10.								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
1. RELINQUISHED BY SAMPLER	4/9/25 14:00	1. RECEIVED BY	
2. RELINQUISHED BY FedEx	4-10-25 0950	2. RECEIVED BY	
3. RELINQUISHED BY	DATE/TIME	3. RECEIVED FOR LAB BY	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.3°C
☐ Ice in Cooler?: Y
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments: For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
(adjust FACTOR +1)
JK (NV #1

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 (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1773 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 4/10/2025 10:14:00 AM
Project Name : CTO WE13
Receive DateTime : 4/10/2025 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1773-01	BP-TB-20250407	Water	04/07/2025	09:00	VOCMS Group1		8260-Low		10 Bus. Days
Q1773-02	~~BP-TT-190D2-GW-20250407~~ BP-TT190D2-GW-20250407	Water	04/07/2025	11:05	VOCMS Group1		8260-Low		10 Bus. Days
Q1773-03	~~BP-TT-190D1-GW-20250409~~ BP-TT190D1-GW-20250409	Water	~~04/07/2025~~ 04/09/2025	10:30	VOCMS Group1		8260-Low		10 Bus. Days

YG 04/15/2025

Relinguished By :
Date / Time : 4/10/25 1120

Received By :
Date / Time : 4.10.25 11:20

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	96737	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	175266	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	153312	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61114	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.971	65	2134	1.206	ug/l		0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.420%#			
35) Dibromofluoromethane	5.379	113	1367	1.099	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.200%#			
50) Toluene-d8	8.647	98	4496	1.036	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.080%#			
62) 4-Bromofluorobenzene	11.085	95	1236	0.782	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.560%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1189	0.822	ug/l		94
3) Chloromethane	1.307	50	1479	0.995	ug/l	#	86
4) Vinyl Chloride	1.374	62	1299	0.955	ug/l		98
5) Bromomethane	1.599	94	771	1.195	ug/l		94
6) Chloroethane	1.673	64	732	1.014	ug/l	#	67
7) Trichlorofluoromethane	1.880	101	2034	1.003	ug/l		93
8) Diethyl Ether	2.130	74	668	0.981	ug/l		83
9) 1,1,2-Trichlorotrifluo...	2.325	101	1113	0.936	ug/l		94
10) Methyl Iodide	2.447	142	1147	0.774	ug/l	#	92
11) Tert butyl alcohol	2.971	59	1121	4.715	ug/l	#	72
12) 1,1-Dichloroethene	2.313	96	1090	0.939	ug/l		95
13) Acrolein	2.233	56	1750	5.345	ug/l		92
14) Allyl chloride	2.660	41	2113	0.959	ug/l		93
15) Acrylonitrile	3.075	53	3446	4.592	ug/l		95
16) Acetone	2.380	43	3867	5.323	ug/l		98
17) Carbon Disulfide	2.508	76	2580	0.899	ug/l	#	95
18) Methyl Acetate	2.703	43	1744	1.043	ug/l		91
19) Methyl tert-butyl Ether	3.117	73	3705	0.912	ug/l		92
20) Methylene Chloride	2.782	84	1338	0.984	ug/l		91
21) trans-1,2-Dichloroethene	3.087	96	1111	0.936	ug/l	#	93
22) Diisopropyl ether	3.758	45	3875	0.893	ug/l	#	59
23) Vinyl Acetate	3.727	43	14921	3.979	ug/l		95
24) 1,1-Dichloroethane	3.611	63	2343	0.954	ug/l	#	90
25) 2-Butanone	4.581	43	4590	4.317	ug/l		92
26) 2,2-Dichloropropane	4.471	77	1307	0.824	ug/l		85
27) cis-1,2-Dichloroethene	4.495	96	1475	1.020	ug/l		80
28) Bromochloromethane	4.891	49	1298	1.094	ug/l	#	97
29) Tetrahydrofuran	5.032	42	3276	4.752	ug/l		97
30) Chloroform	5.093	83	2406	0.953	ug/l		84
31) Cyclohexane	5.465	56	2131	0.982	ug/l	#	81
32) 1,1,1-Trichloroethane	5.385	97	1989	0.931	ug/l	#	53
36) 1,1-Dichloropropene	5.696	75	1671	0.995	ug/l	#	89
37) Ethyl Acetate	4.751	43	2040	0.964	ug/l	#	76
38) Carbon Tetrachloride	5.672	117	1578	0.870	ug/l	#	91
39) Methylcyclohexane	7.379	83	1818	0.883	ug/l	#	89
40) Benzene	6.038	78	4957	0.967	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	388	0.345 ug/l #	24
42) 1,2-Dichloroethane	6.092	62	1867	0.882 ug/l	86
43) Isopropyl Acetate	6.361	43	2578	0.804 ug/l #	86
44) Trichloroethene	7.123	130	1224	1.004 ug/l	87
45) 1,2-Dichloropropane	7.434	63	1082	0.846 ug/l	90
46) Dibromomethane	7.592	93	831	0.846 ug/l	90
47) Bromodichloromethane	7.824	83	1827	0.931 ug/l #	77
48) Methyl methacrylate	7.720	41	1419	0.857 ug/l	92
49) 1,4-Dioxane	7.671	88	248	8.278 ug/l #	45
51) 4-Methyl-2-Pentanone	8.574	43	8746	4.114 ug/l	100
52) Toluene	8.720	92	2863	0.923 ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1109	2.850 ug/l	93
54) cis-1,3-Dichloropropene	8.379	75	1300	0.705 ug/l	90
55) 1,1,2-Trichloroethane	9.159	97	1183	0.957 ug/l #	76
56) Ethyl methacrylate	9.129	69	1338	0.699 ug/l #	90
57) 1,3-Dichloropropane	9.311	76	1946	0.904 ug/l	91
58) 2-Chloroethyl Vinyl ether	8.245	63	3880	4.008 ug/l	93
59) 2-Hexanone	9.439	43	6360	4.040 ug/l	85
60) Dibromochloromethane	9.519	129	1097	0.814 ug/l	99
61) 1,2-Dibromoethane	9.610	107	1032	0.825 ug/l	96
64) Tetrachloroethene	9.269	164	1062	0.981 ug/l	92
65) Chlorobenzene	10.080	112	2916	0.890 ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	1128	0.992 ug/l #	64
67) Ethyl Benzene	10.195	91	4930	0.840 ug/l	90
68) m/p-Xylenes	10.305	106	3645	1.708 ug/l	97
69) o-Xylene	10.640	106	1724	0.820 ug/l	83
70) Styrene	10.659	104	2750	0.793 ug/l	94
71) Bromoform	10.805	173	675	0.795 ug/l #	94
73) Isopropylbenzene	10.964	105	4377	0.894 ug/l	95
74) N-amyl acetate	10.854	43	1762	0.752 ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	1781	1.036 ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1706	1.144 ug/l	95
77) Bromobenzene	11.201	156	1072	0.948 ug/l	95
78) n-propylbenzene	11.305	91	4564	0.809 ug/l	97
79) 2-Chlorotoluene	11.366	91	3537	0.981 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	3582	0.885 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	315	0.717 ug/l #	82
82) 4-Chlorotoluene	11.457	91	3619	0.900 ug/l	96
83) tert-Butylbenzene	11.713	119	3537	0.883 ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	3552	0.874 ug/l	99
85) sec-Butylbenzene	11.890	105	3905	0.793 ug/l	98
86) p-Isopropyltoluene	12.012	119	3342	0.824 ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	2026	0.984 ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	2026	0.971 ug/l	98
89) n-Butylbenzene	12.335	91	2587	0.735 ug/l	99
90) Hexachloroethane	12.543	117	602	0.863 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	2009	0.981 ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	239	0.665 ug/l #	73
93) 1,2,4-Trichlorobenzene	13.591	180	888	0.779 ug/l	94
94) Hexachlorobutadiene	13.725	225	463	0.943 ug/l	90
95) Naphthalene	13.780	128	3109	0.733 ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	956	0.801 ug/l	88

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Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

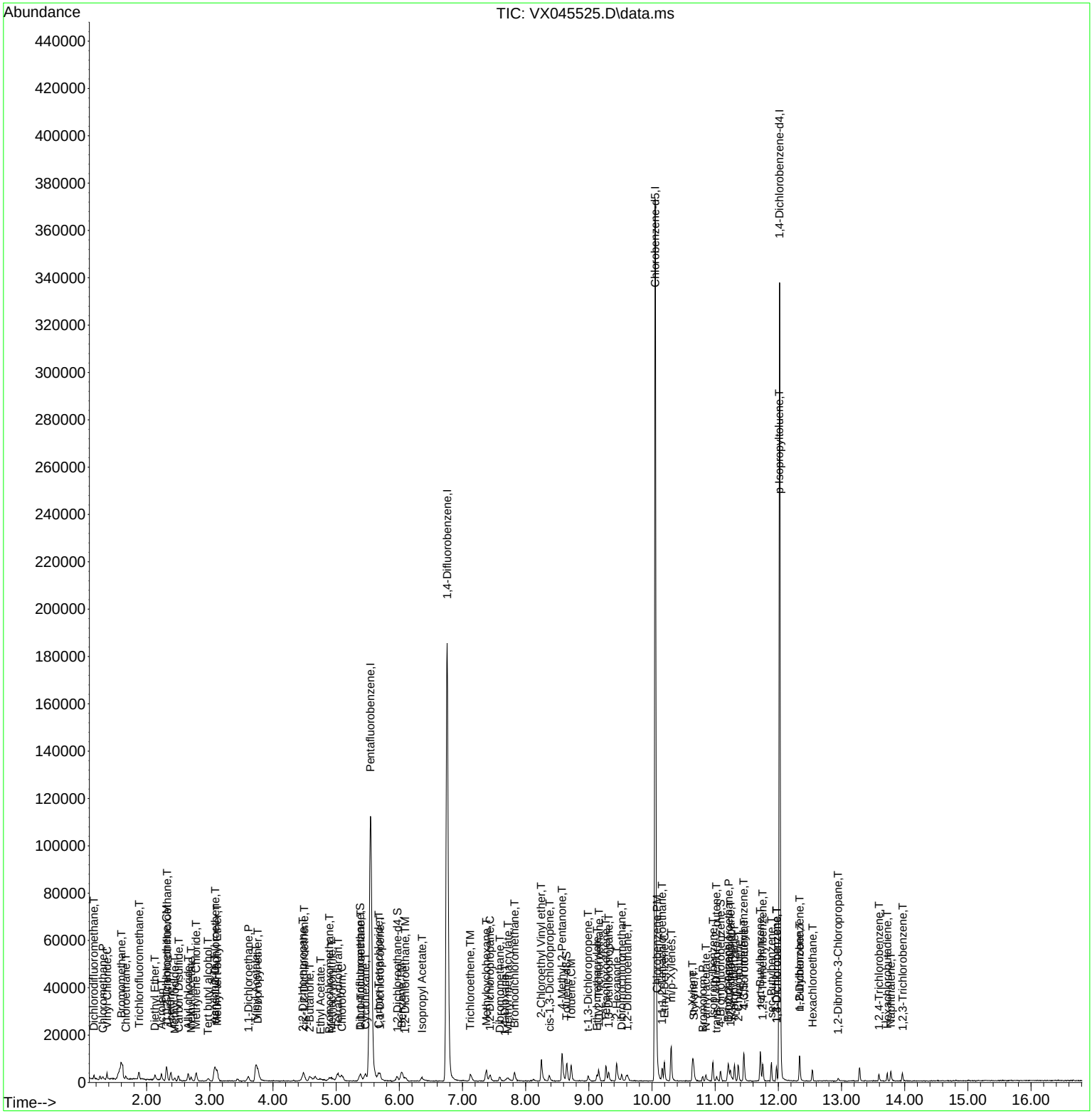
(#) = qualifier out of range (m) = manual integration (+) = signals summed

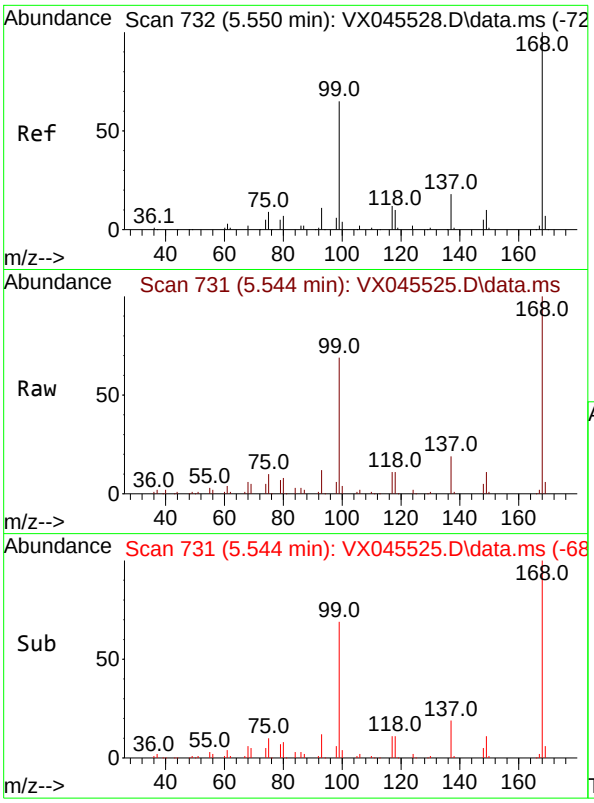
Quantitation Report (Not Reviewed)

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MSVOA_X
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Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



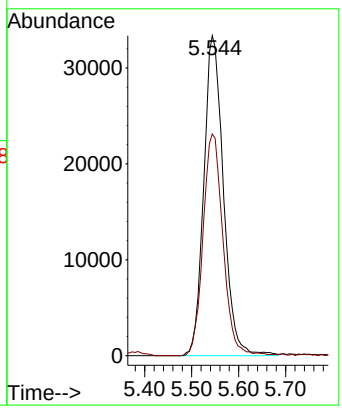


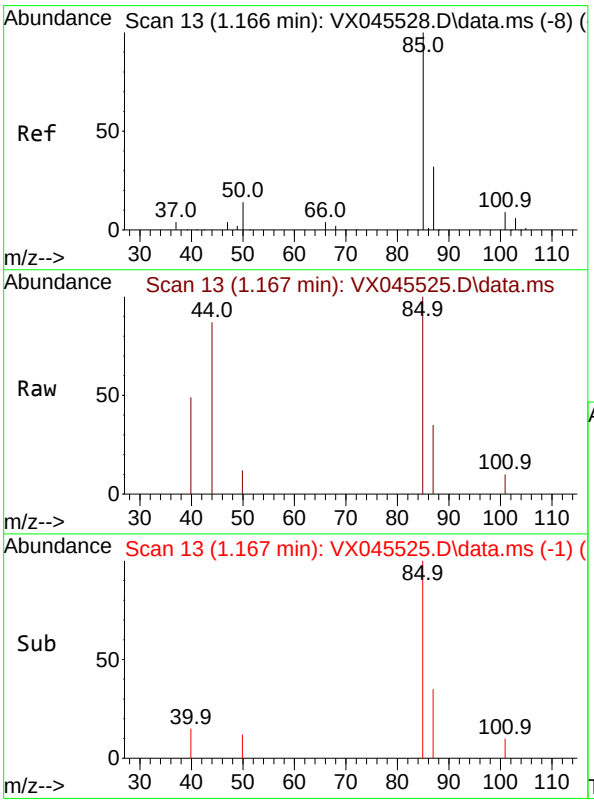
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 96737

Ion	Ratio	Lower	Upper
168	100		
99	69.3	52.3	78.5

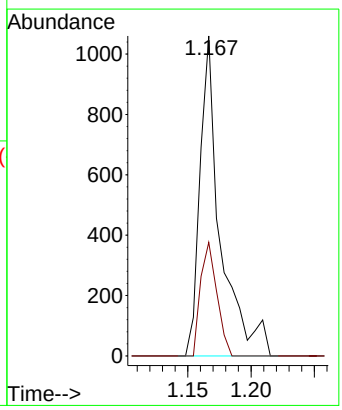


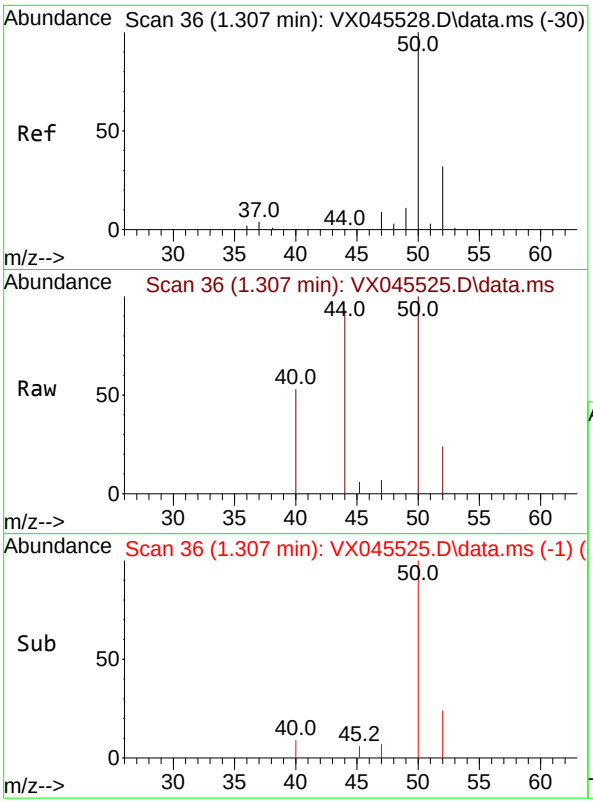


#2
Dichlorodifluoromethane
Concen: 0.822 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 85 Resp: 1189

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.1	48.2



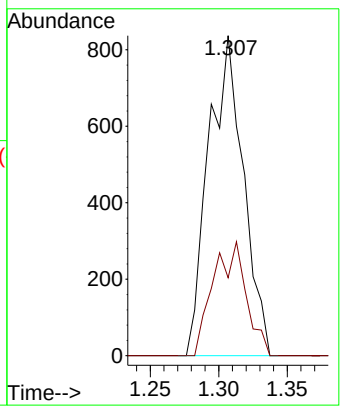


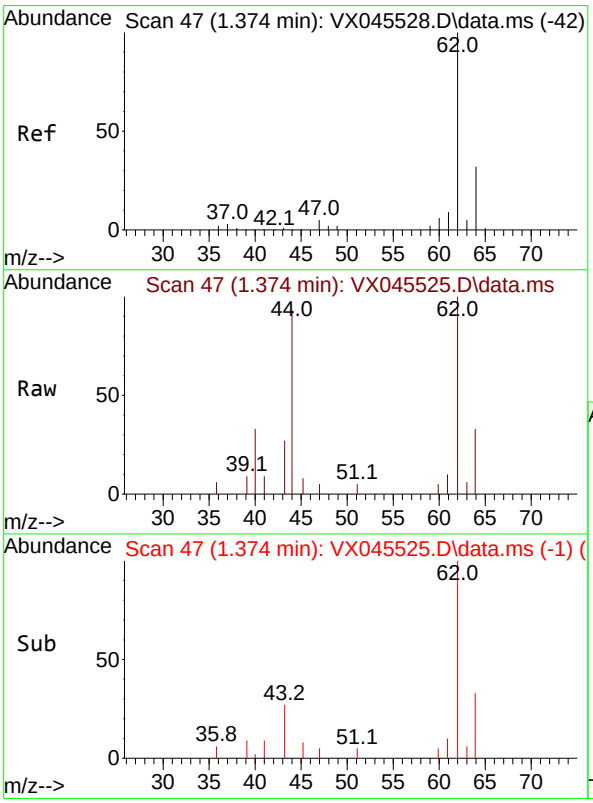
#3
Chloromethane
Concen: 0.995 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1479

Ion	Ratio	Lower	Upper
50	100		
52	24.4	25.9	38.9#

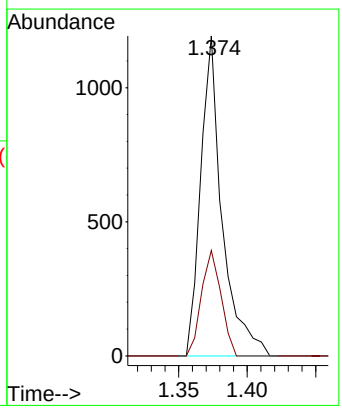


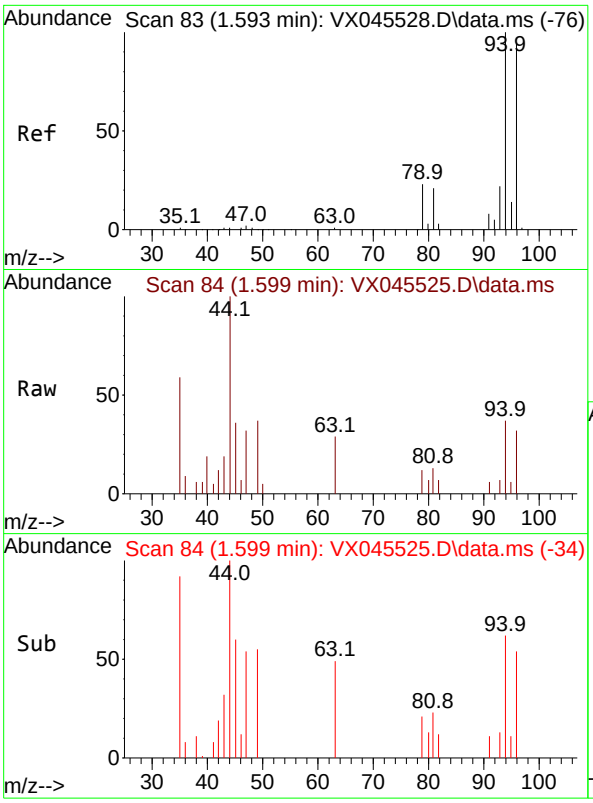


#4
Vinyl Chloride
Concen: 0.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 1299

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3



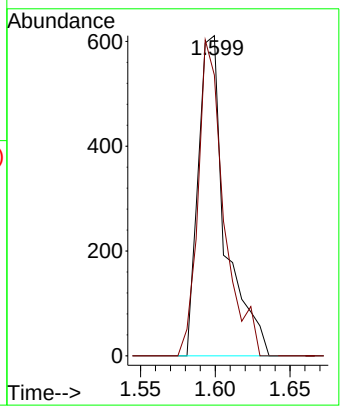


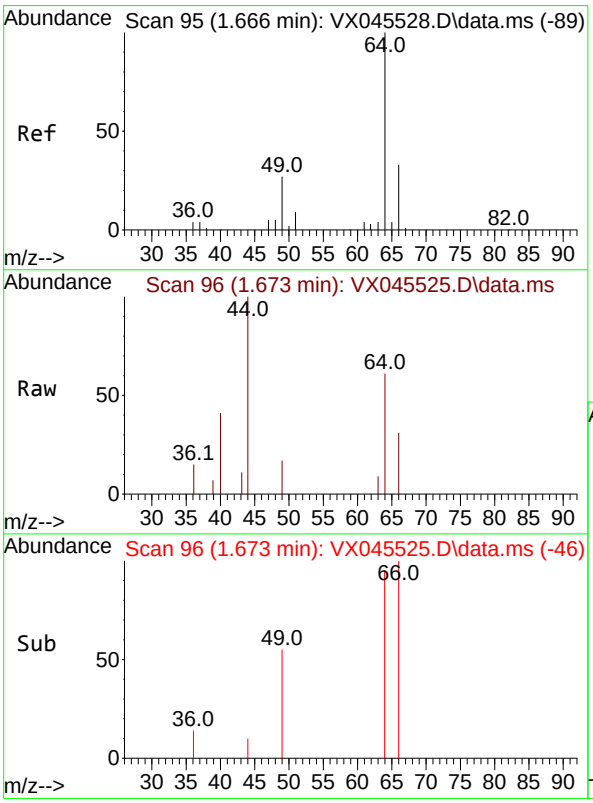
#5
Bromomethane
Concen: 1.195 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 771

Ion	Ratio	Lower	Upper
94	100		
96	87.7	74.8	112.2

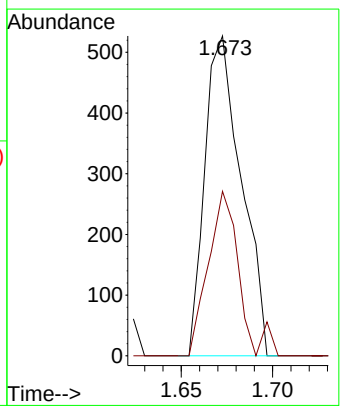


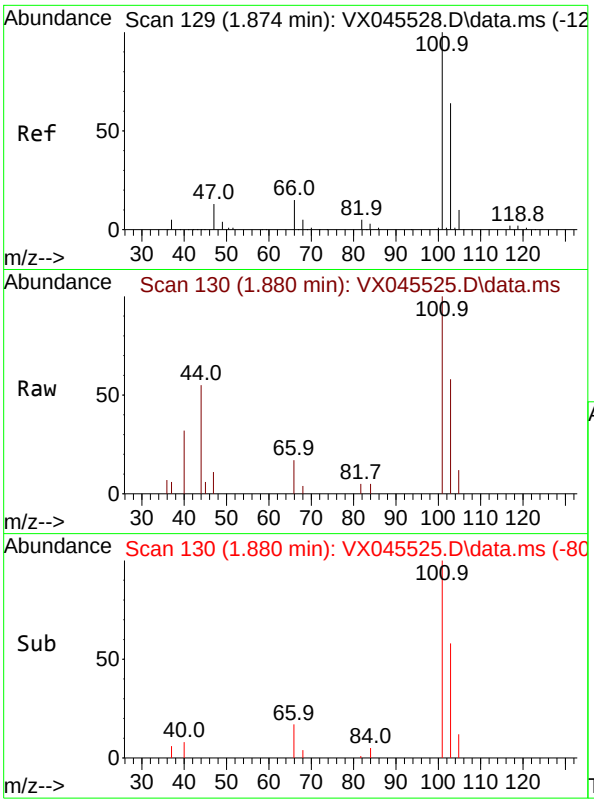


#6
Chloroethane
Concen: 1.014 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 64 Resp: 732

Ion	Ratio	Lower	Upper
64	100		
66	51.4	26.3	39.5#



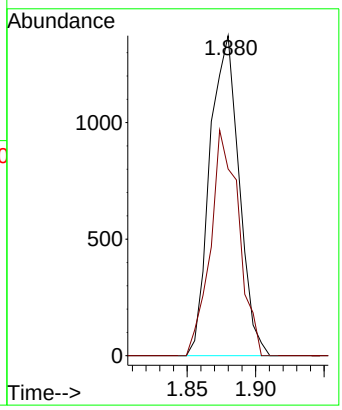


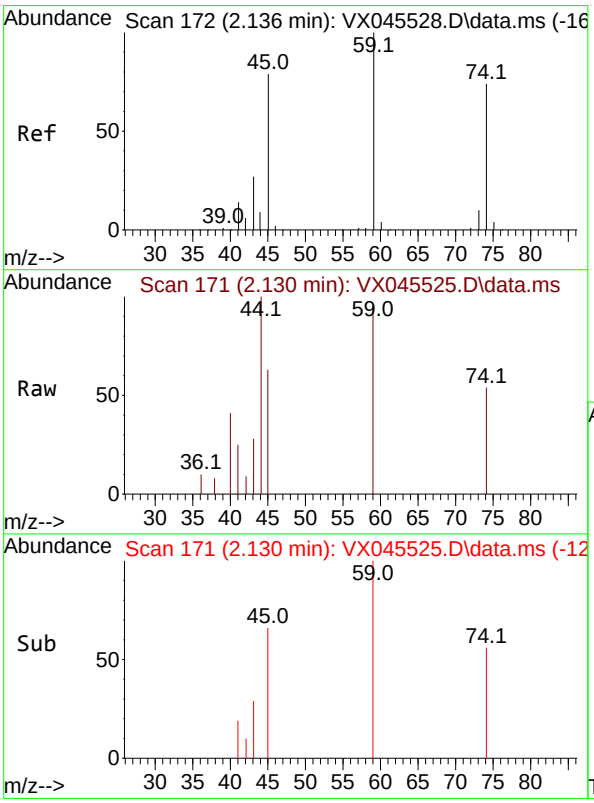
#7
Trichlorofluoromethane
Concen: 1.003 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2034

Ion	Ratio	Lower	Upper
101	100		
103	58.3	51.1	76.7

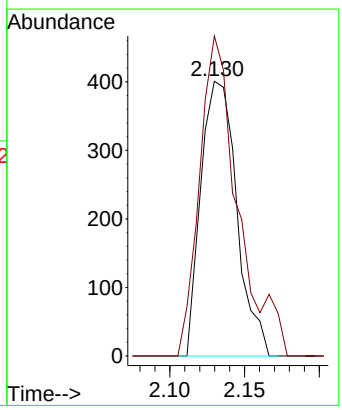


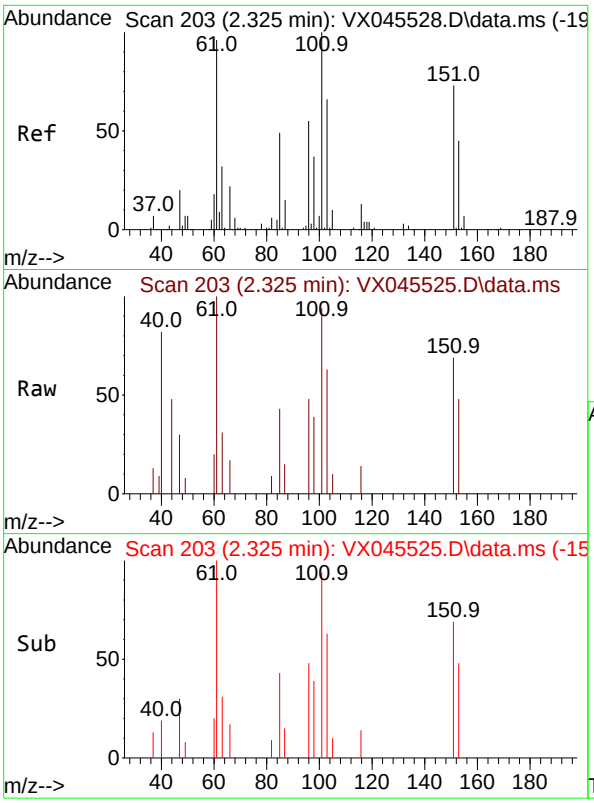


#8
Diethyl Ether
Concen: 0.981 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 74 Resp: 668

Ion	Ratio	Lower	Upper
74	100		
45	124.1	53.0	159.1



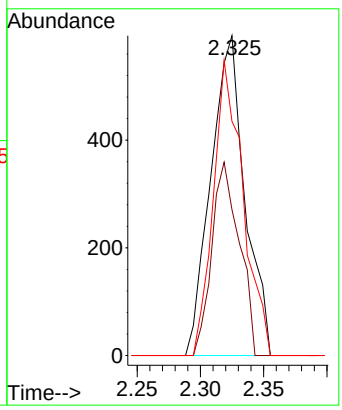


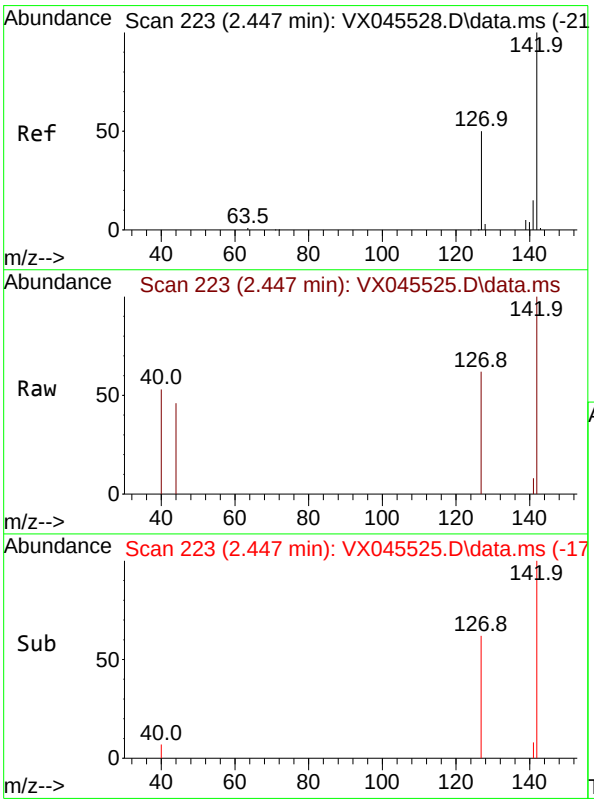
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.936 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1113

Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.9	58.3
151	80.3	57.5	86.3

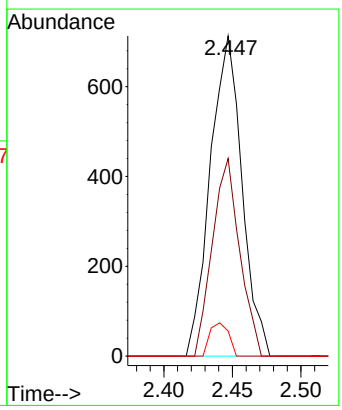


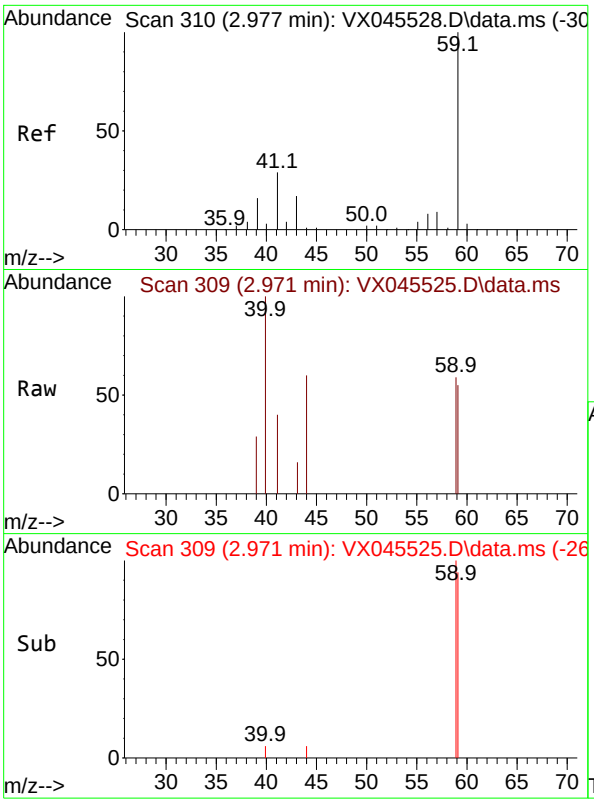


#10
Methyl Iodide
Concen: 0.774 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:142 Resp: 1147

Ion	Ratio	Lower	Upper
142	100		
127	53.3	40.2	60.4
141	6.2	11.7	17.5#



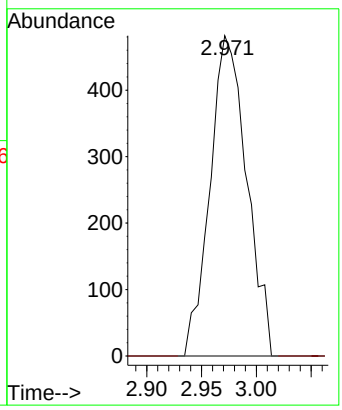


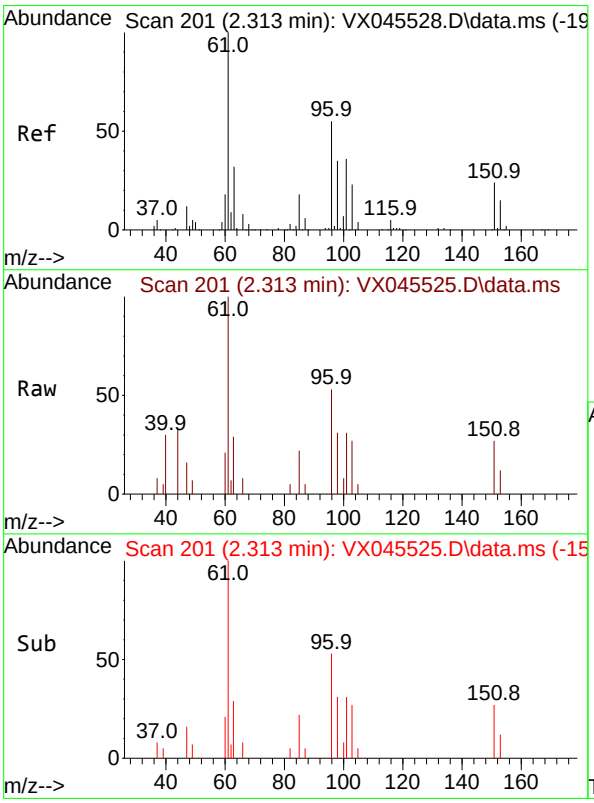
#11
Tert butyl alcohol
Concen: 4.715 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1121

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

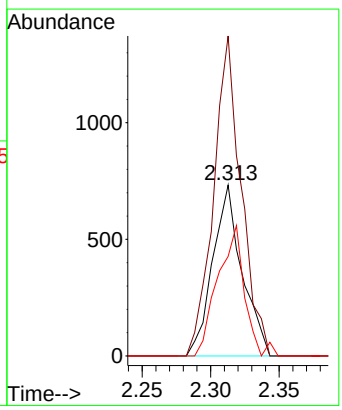


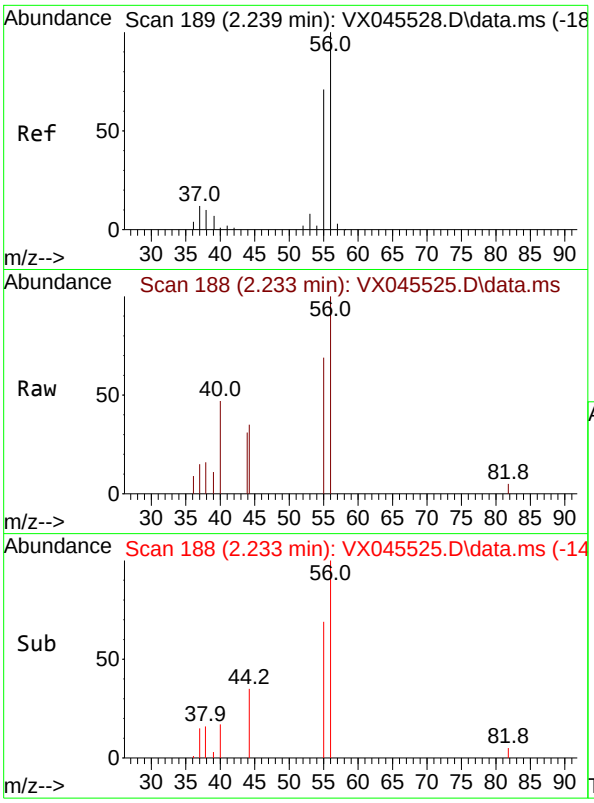


#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 1090

Ion	Ratio	Lower	Upper
96	100		
61	187.2	145.7	218.5
98	58.3	51.6	77.4



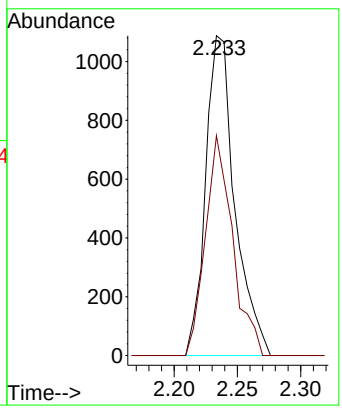


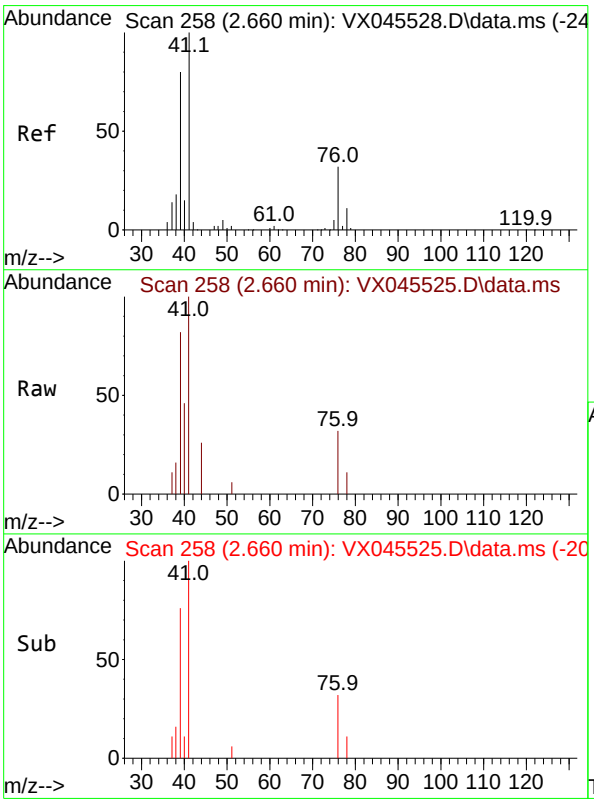
#13
Acrolein
Concen: 5.345 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1750

Ion	Ratio	Lower	Upper
56	100		
55	64.0	56.2	84.2

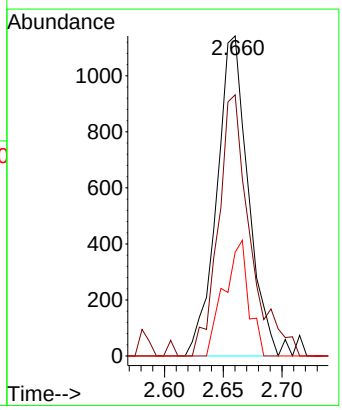


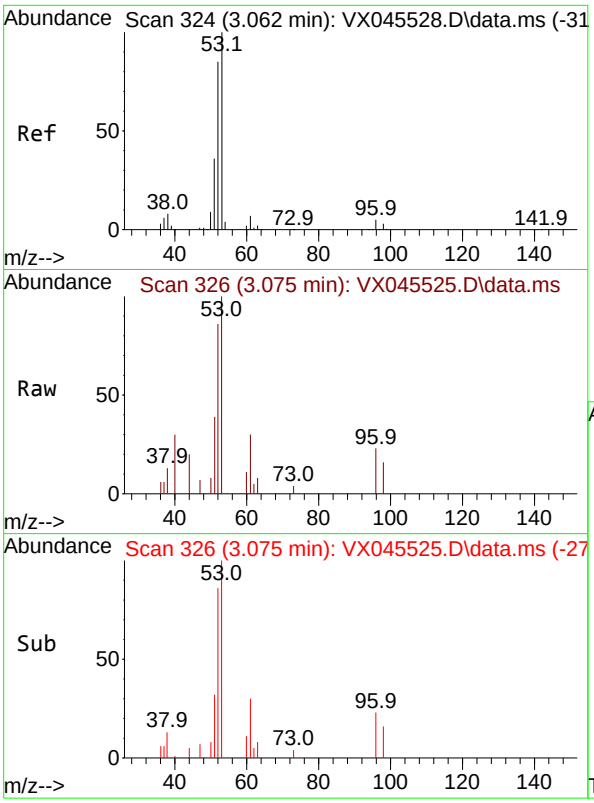


#14
Allyl chloride
Concen: 0.959 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 2113

Ion	Ratio	Lower	Upper
41	100		
39	82.6	60.2	90.2
76	28.3	24.6	36.8



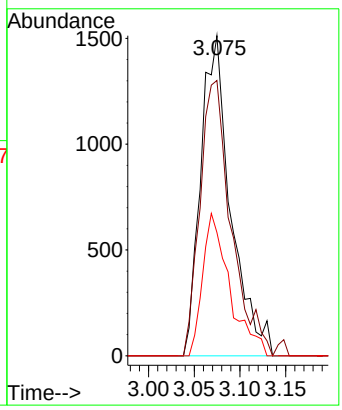


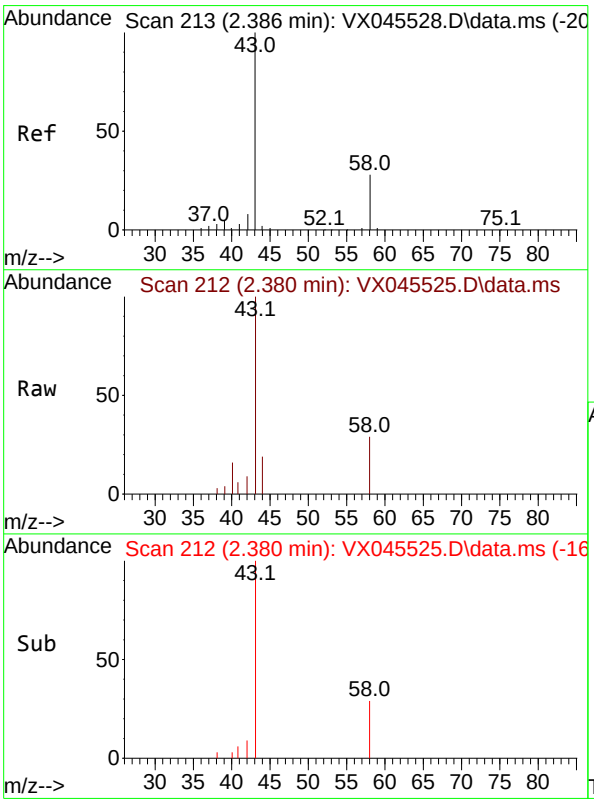
#15
Acrylonitrile
Concen: 4.592 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 3446

Ion	Ratio	Lower	Upper
53	100		
52	89.4	67.4	101.2
51	40.1	29.9	44.9

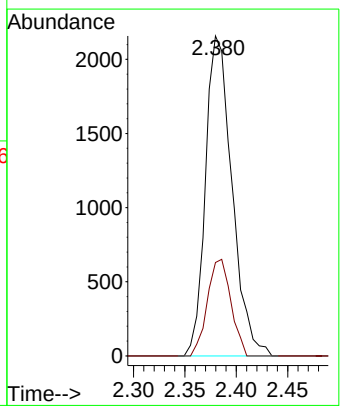


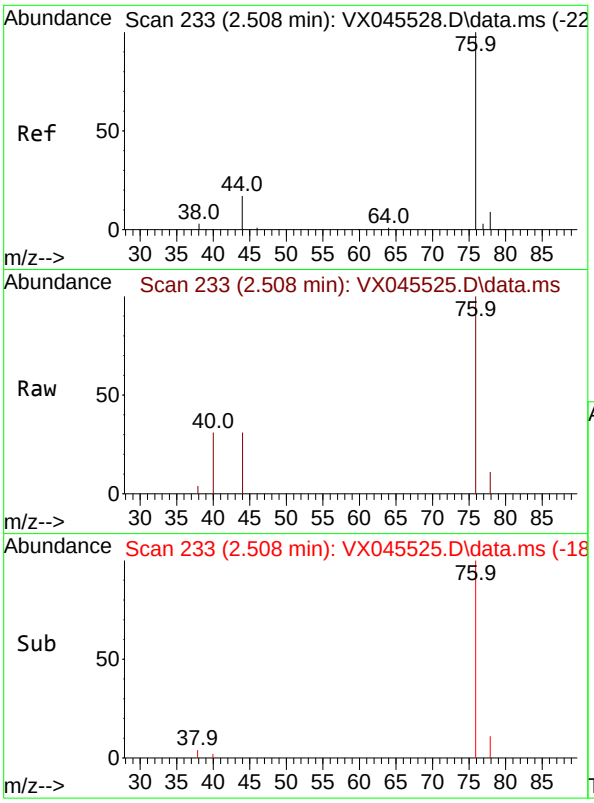


#16
Acetone
Concen: 5.323 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 3867

Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.3	33.5



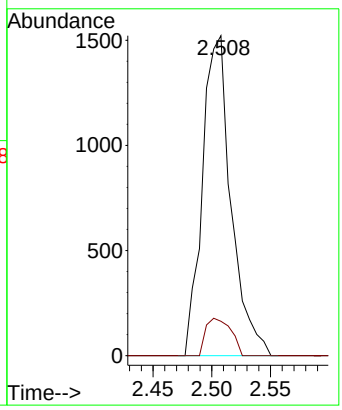


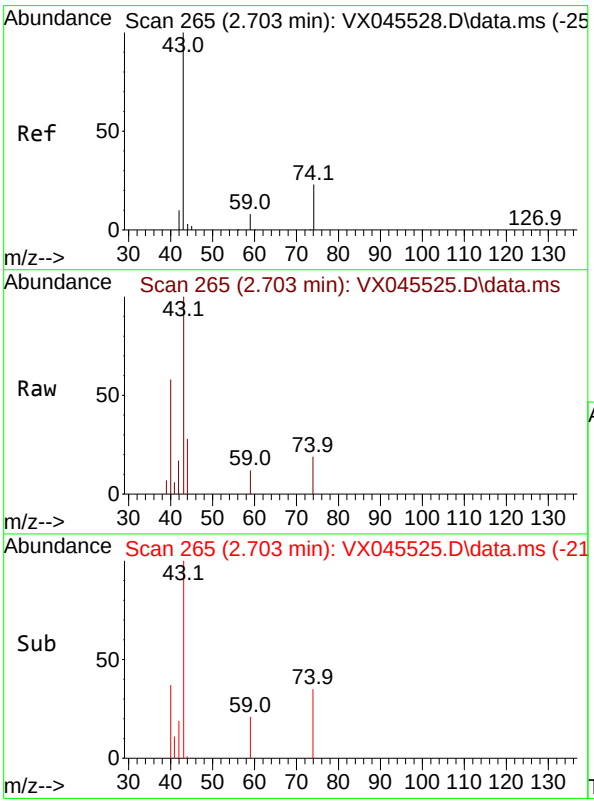
#17
Carbon Disulfide
Concen: 0.899 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2580

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.0	10.6#

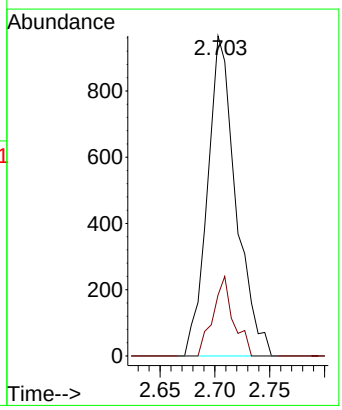


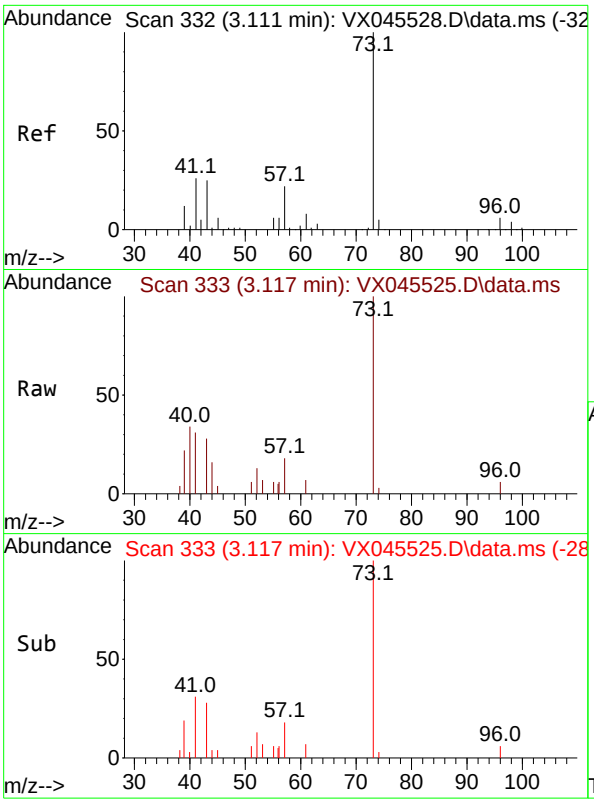


#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 1744

Ion	Ratio	Lower	Upper
43	100		
74	17.8	17.5	26.3



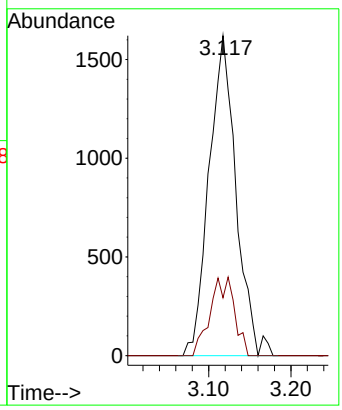


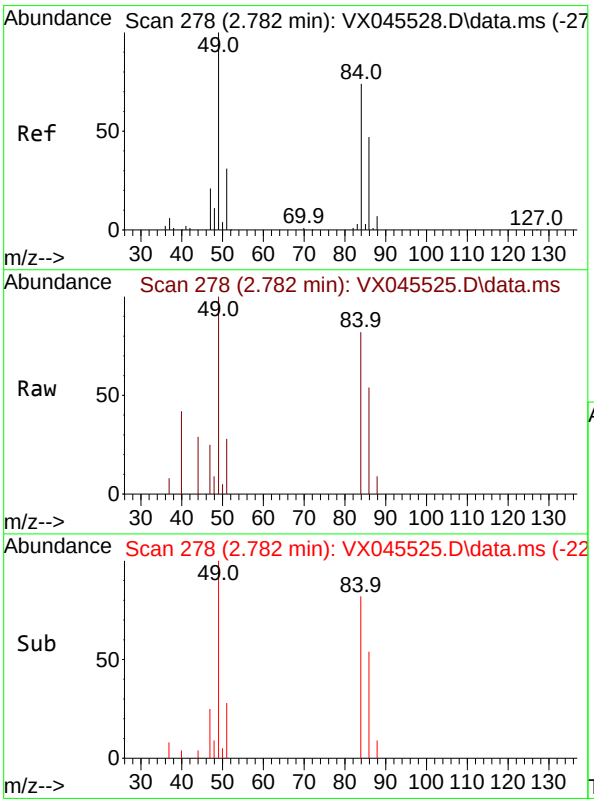
#19
Methyl tert-butyl Ether
Concen: 0.912 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 3705

Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.6	26.4

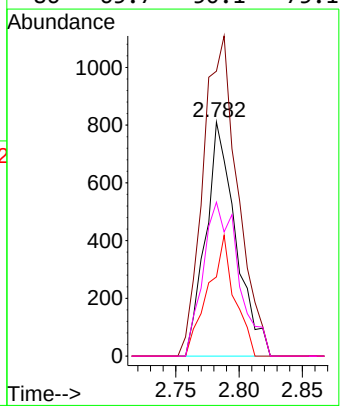


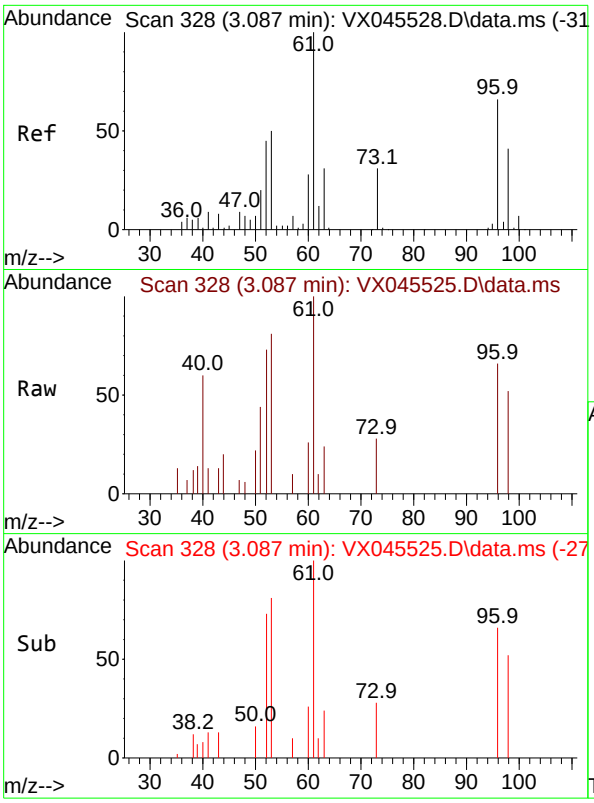


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 84 Resp: 1338

Ion	Ratio	Lower	Upper
84	100		
49	121.7	107.5	161.3
51	33.8	33.0	49.6
86	65.7	50.1	75.1



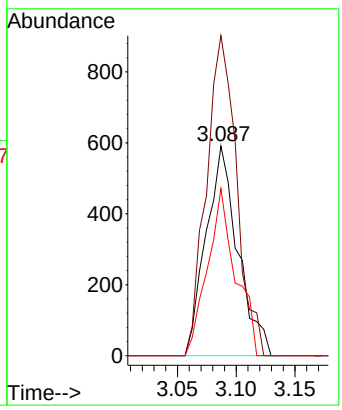


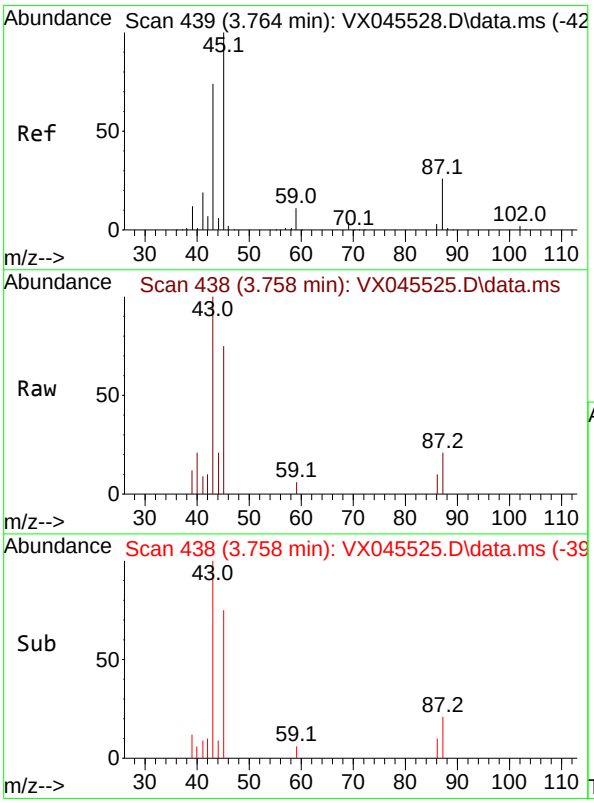
#21
trans-1,2-Dichloroethene
Concen: 0.936 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1111

Ion	Ratio	Lower	Upper
96	100		
61	152.6	121.0	181.6
98	79.7	49.7	74.5#

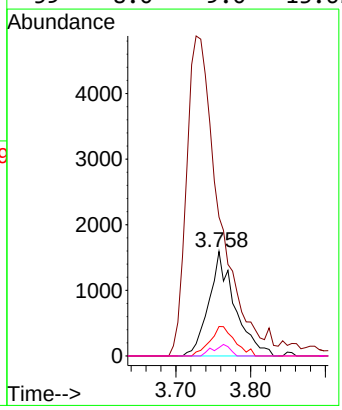


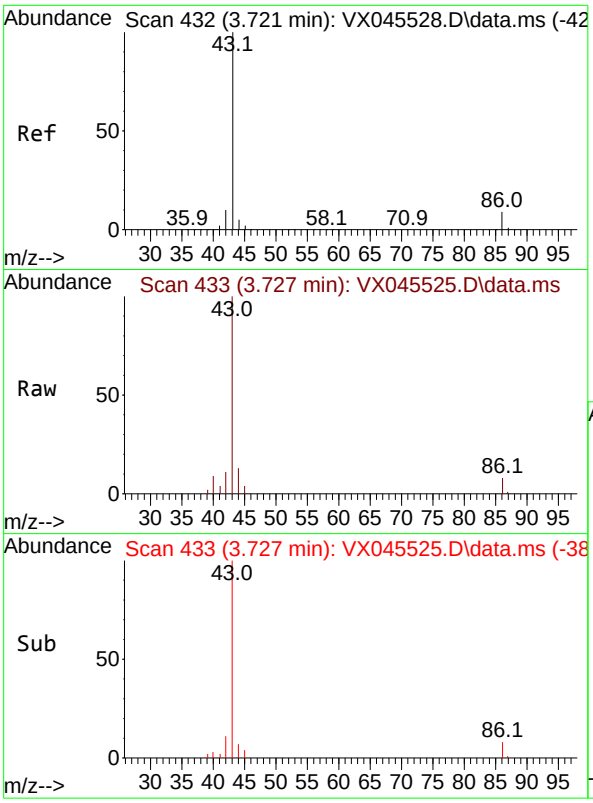


#22
Diisopropyl ether
Concen: 0.893 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 45 Resp: 3875

Ion	Ratio	Lower	Upper
45	100		
43	123.5	59.3	88.9#
87	28.2	20.4	30.6
59	8.0	9.0	13.6#



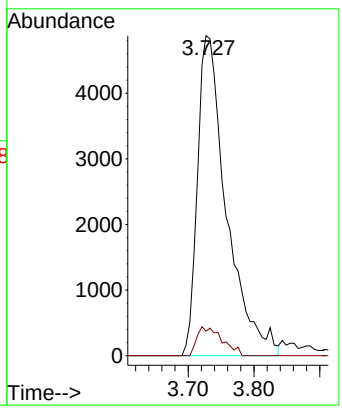


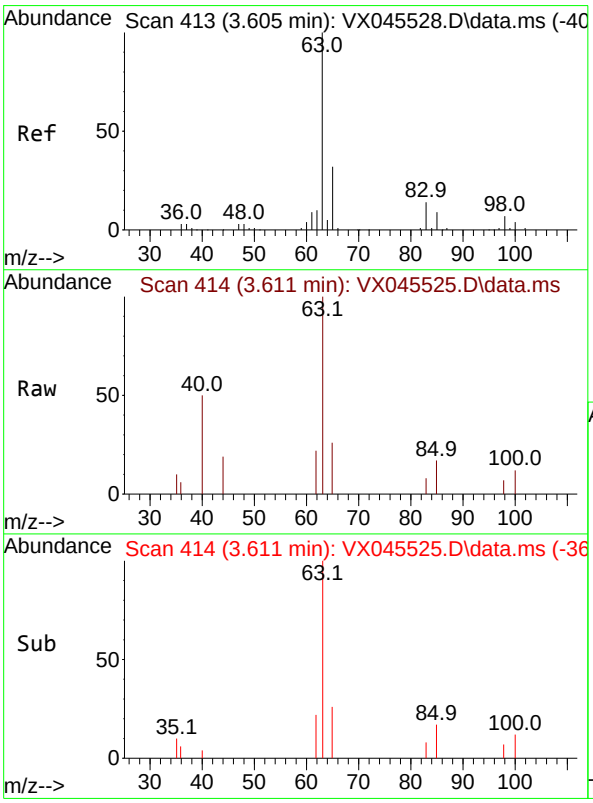
#23
Vinyl Acetate
Concen: 3.979 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 14921

Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.5	11.3

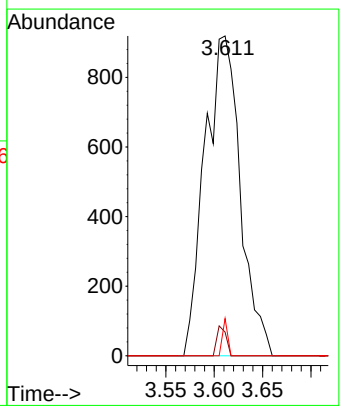


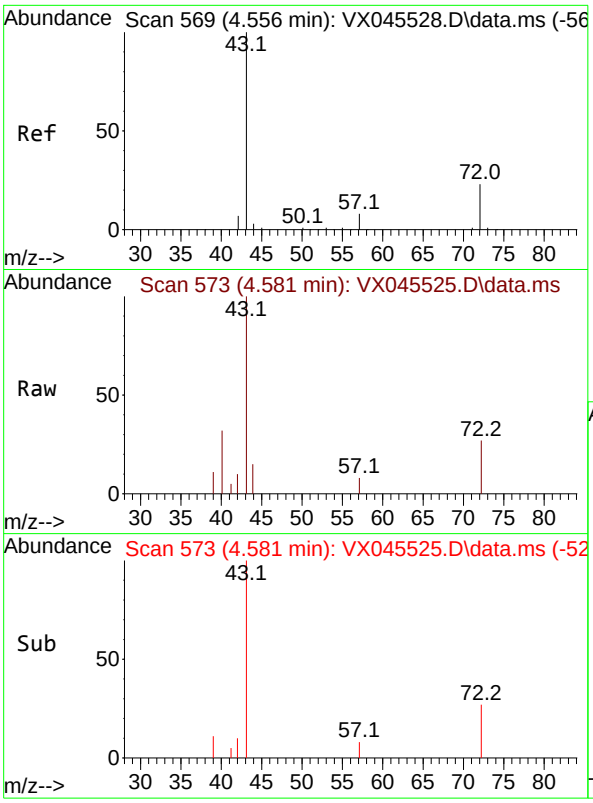


#24
1,1-Dichloroethane
Concen: 0.954 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 2343

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	11.6	2.2	6.6#



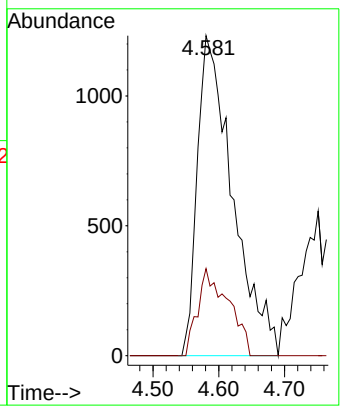


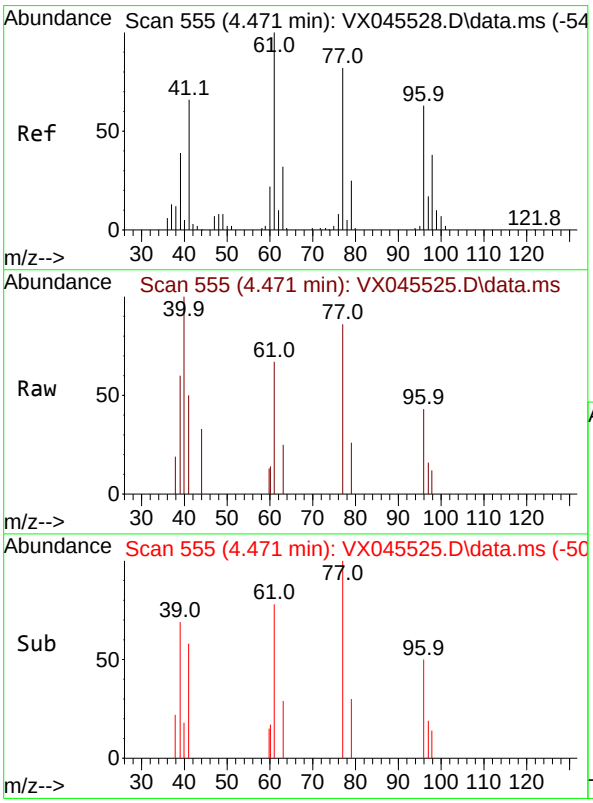
#25
2-Butanone
Concen: 4.317 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4590

Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.6	28.0

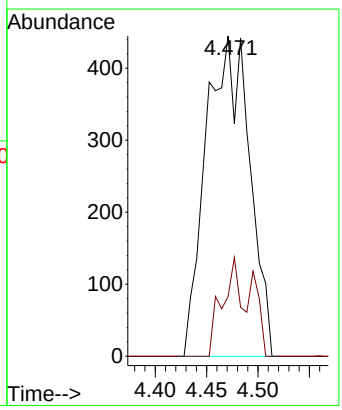


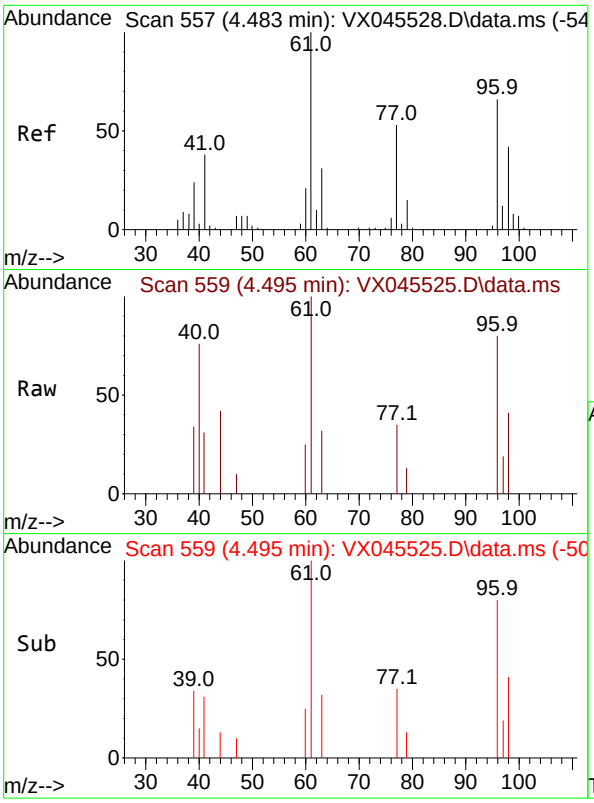


#26
2,2-Dichloropropane
Concen: 0.824 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 77 Resp: 1307

Ion	Ratio	Lower	Upper
77	100		
97	13.9	10.6	31.8



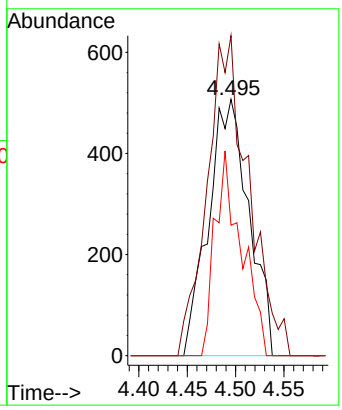


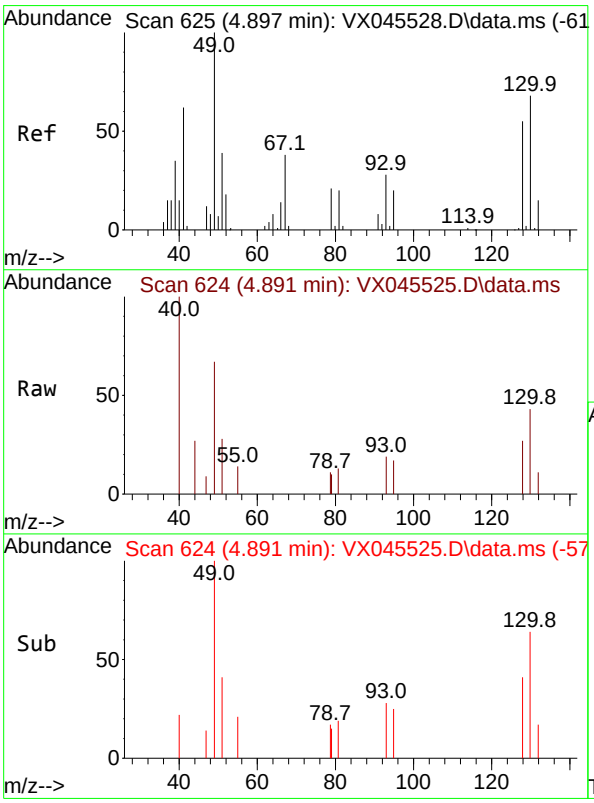
#27
cis-1,2-Dichloroethene
Concen: 1.020 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1475

Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	313.2
98	52.4	0.0	126.4

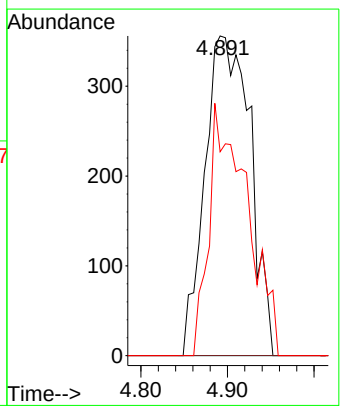


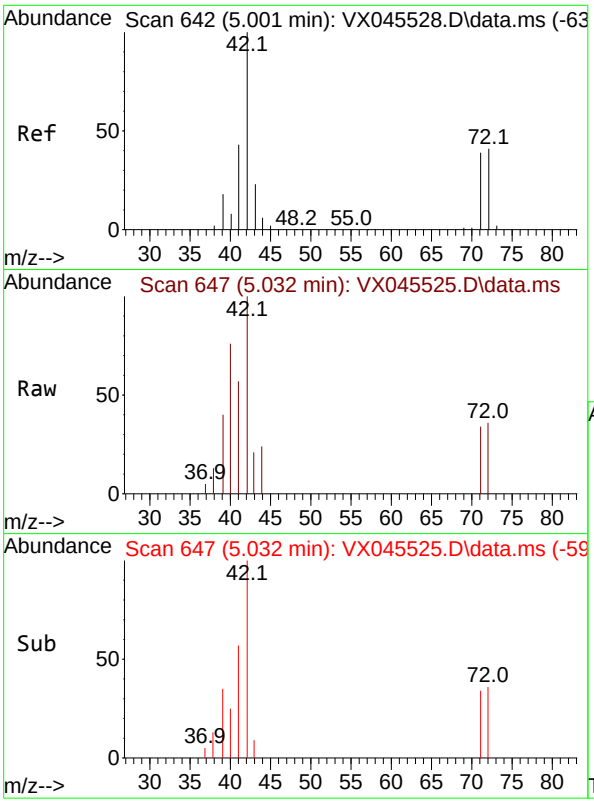


#28
Bromochloromethane
Concen: 1.094 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 49 Resp: 1298

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	66.0	54.6	81.8



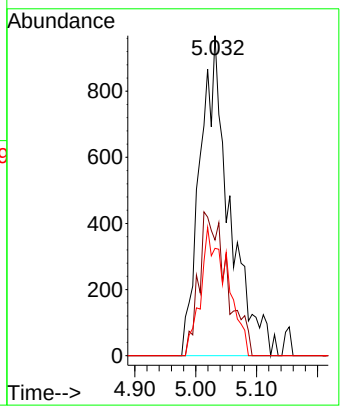


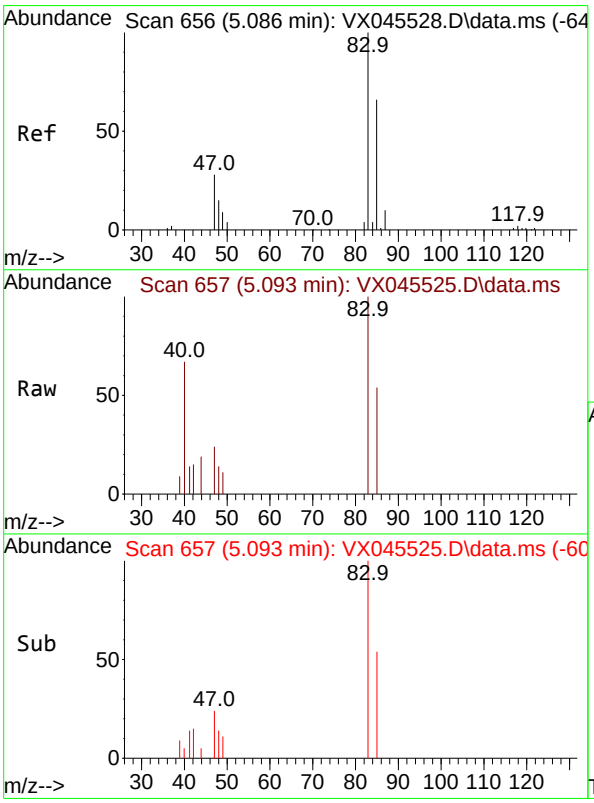
#29
Tetrahydrofuran
Concen: 4.752 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3276

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	36.0	31.4	47.0

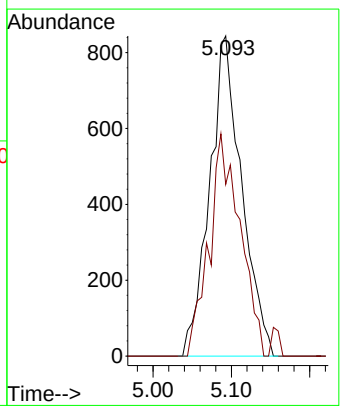


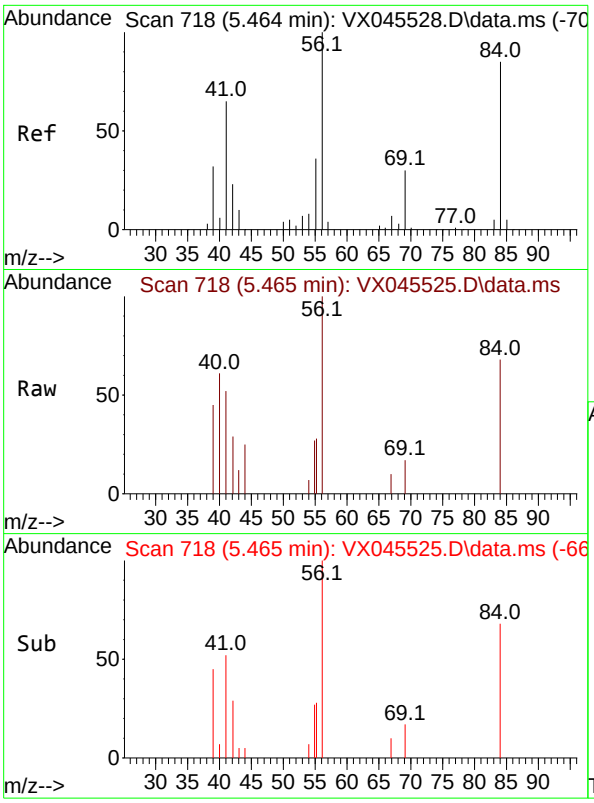


#30
Chloroform
Concen: 0.953 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 2406

Ion	Ratio	Lower	Upper
83	100		
85	53.7	52.8	79.2



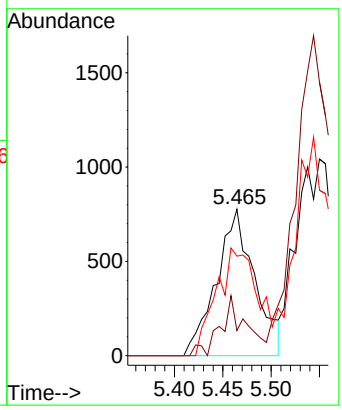


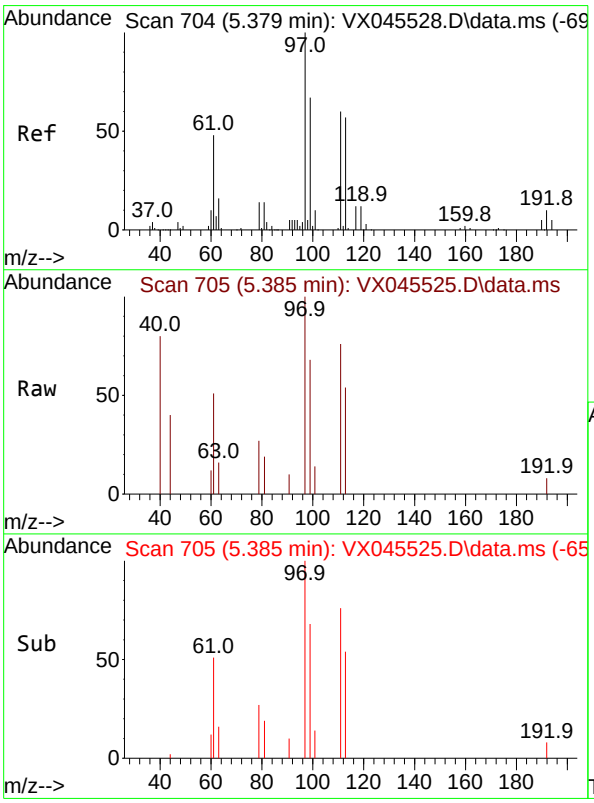
#31
Cyclohexane
Concen: 0.982 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2131

Ion	Ratio	Lower	Upper
56	100		
69	17.1	23.6	35.4#
84	68.0	67.7	101.5

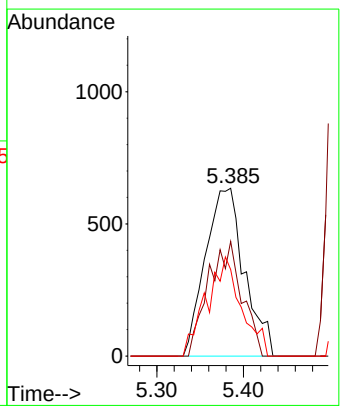


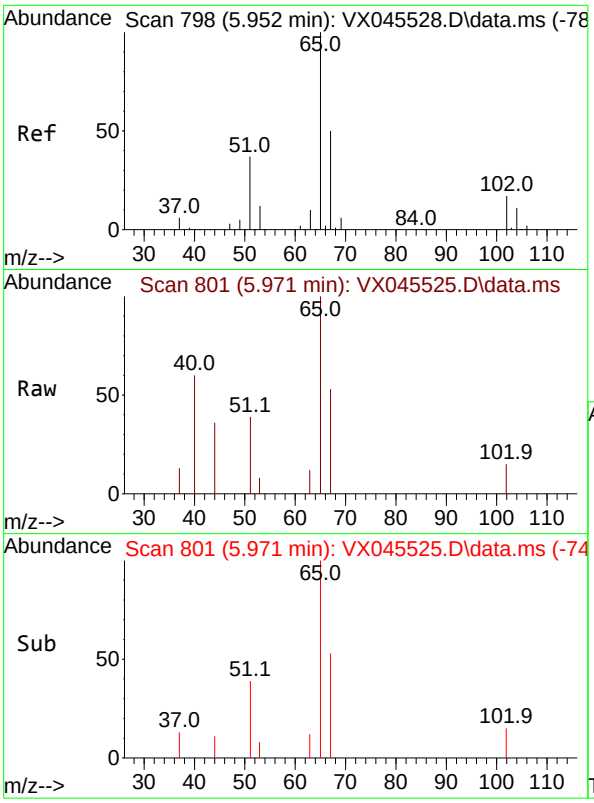


#32
1,1,1-Trichloroethane
Concen: 0.931 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 1989

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	52.8	41.0	61.4



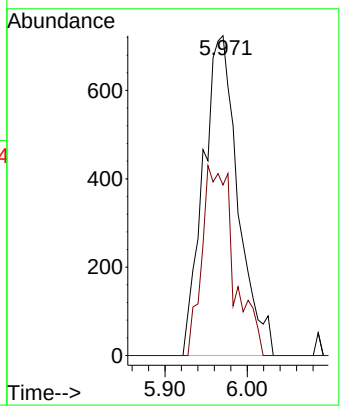


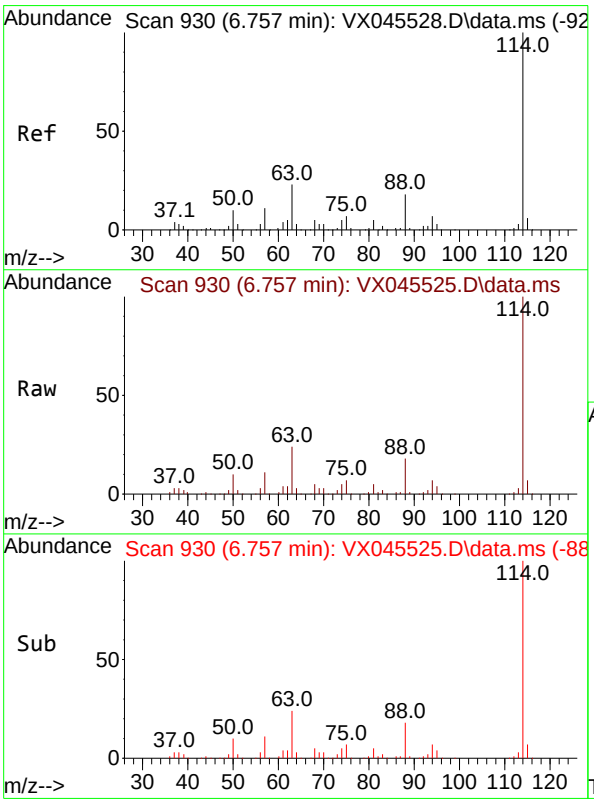
#33
1,2-Dichloroethane-d4
Concen: 1.206 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2134

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	99.0

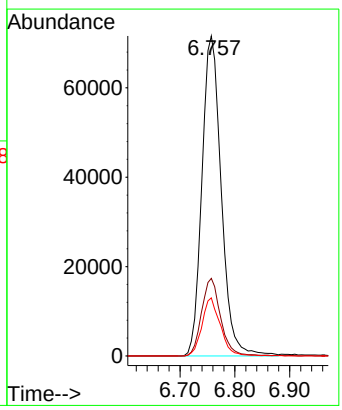


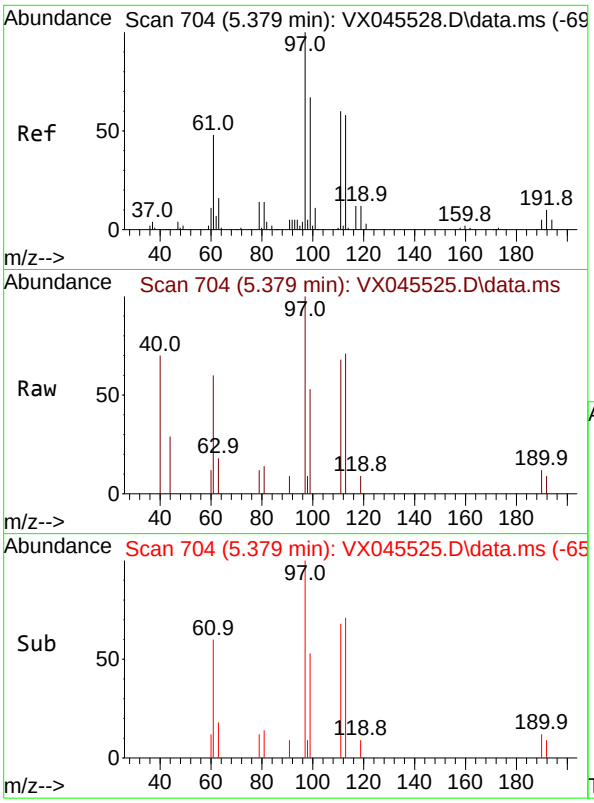


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:114 Resp: 175266

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	18.1	0.0	35.4



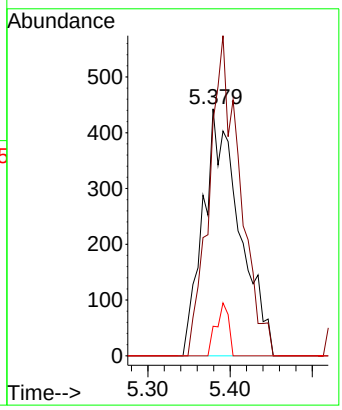


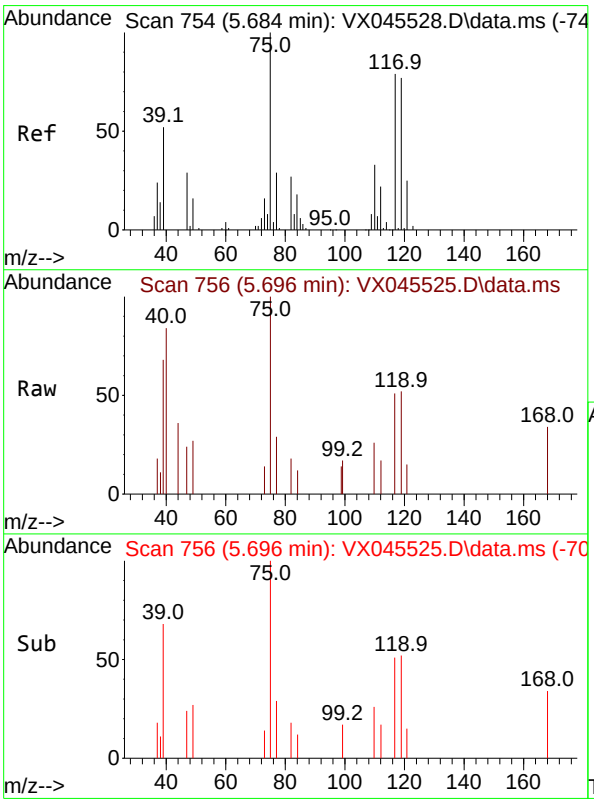
#35
Dibromofluoromethane
Concen: 1.099 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1367

Ion	Ratio	Lower	Upper
113	100		
111	109.1	81.8	122.6
192	7.3	13.8	20.6#

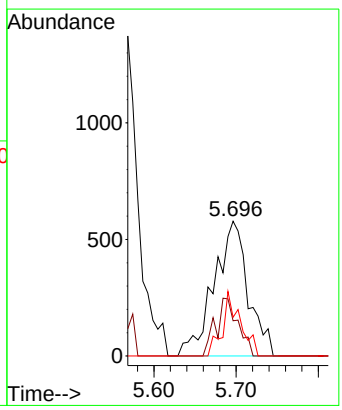


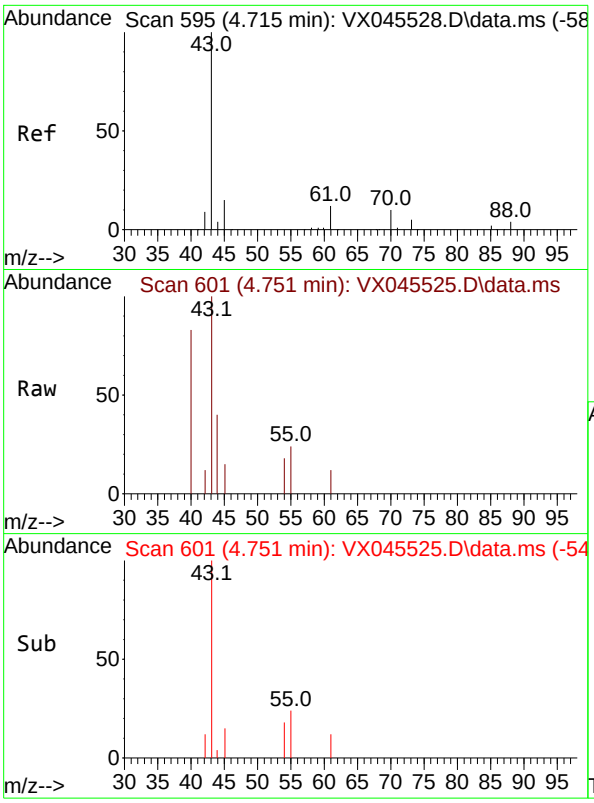


#36
1,1-Dichloropropene
Concen: 0.995 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1671

Ion	Ratio	Lower	Upper
75	100		
110	27.6	16.9	50.6
77	25.0	25.0	37.4#



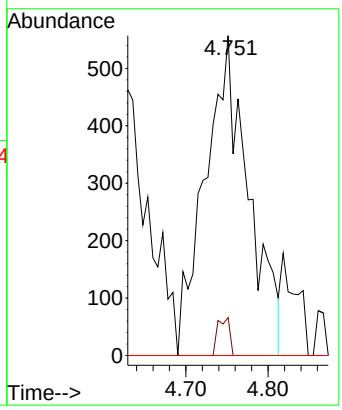


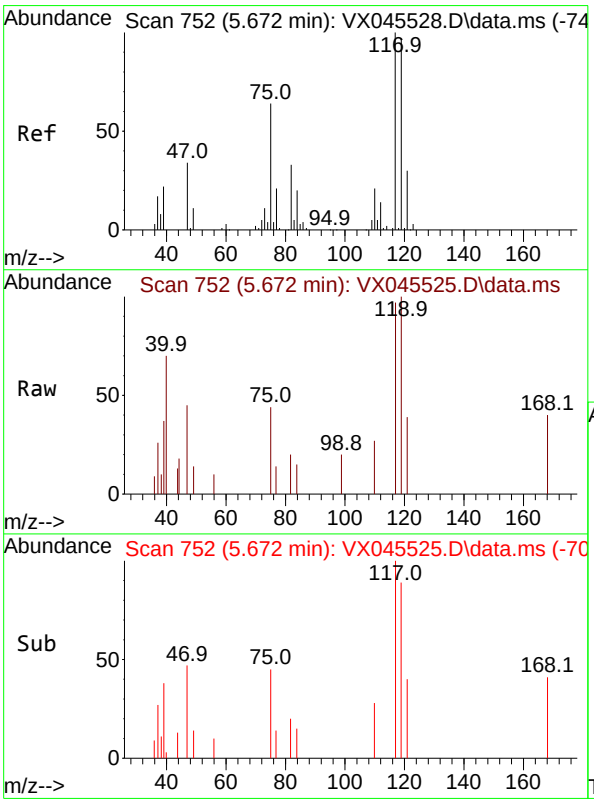
#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 4.751 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2040

Ion	Ratio	Lower	Upper
43	100		
61	3.3	9.9	14.9#
70	0.0	7.5	11.3#

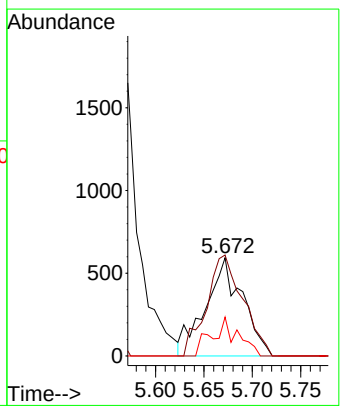


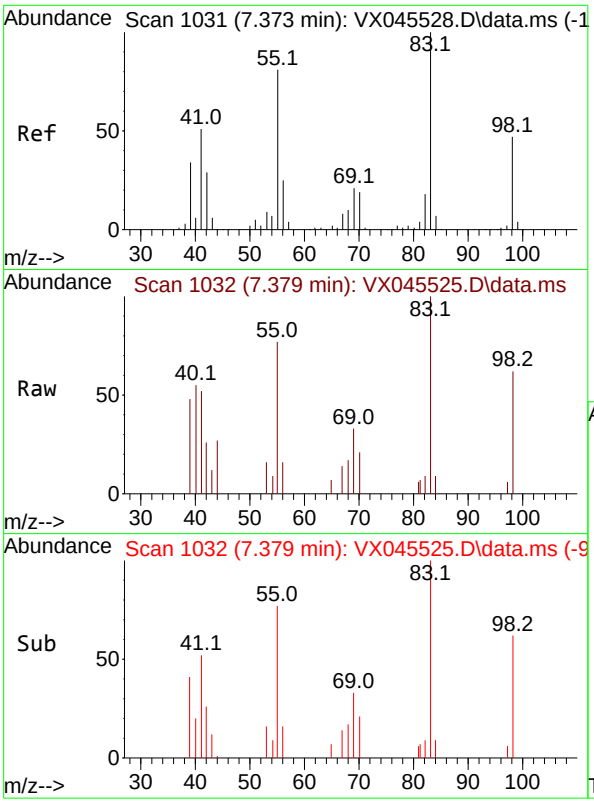


#38
Carbon Tetrachloride
Concen: 0.870 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 1578

Ion	Ratio	Lower	Upper
117	100		
119	102.7	76.9	115.3
121	39.6	24.2	36.2#



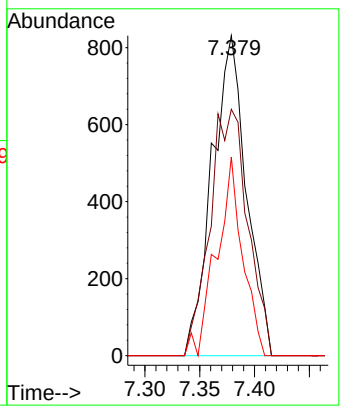


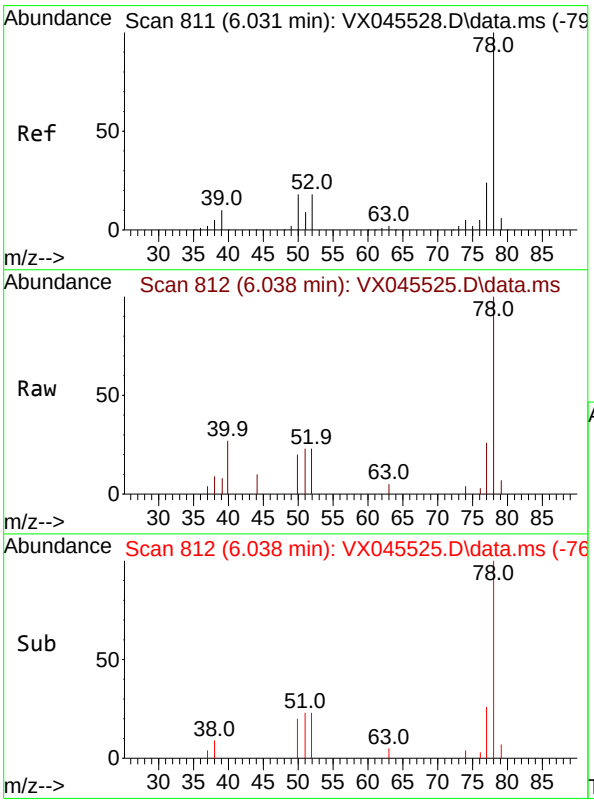
#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1818

Ion	Ratio	Lower	Upper
83	100		
55	77.0	64.9	97.3
98	62.1	37.4	56.0#

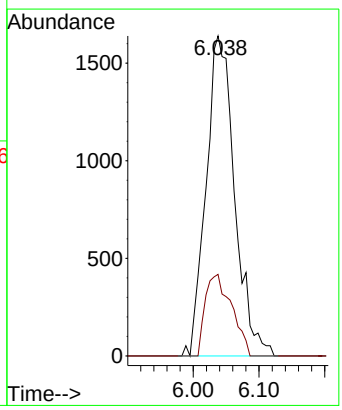


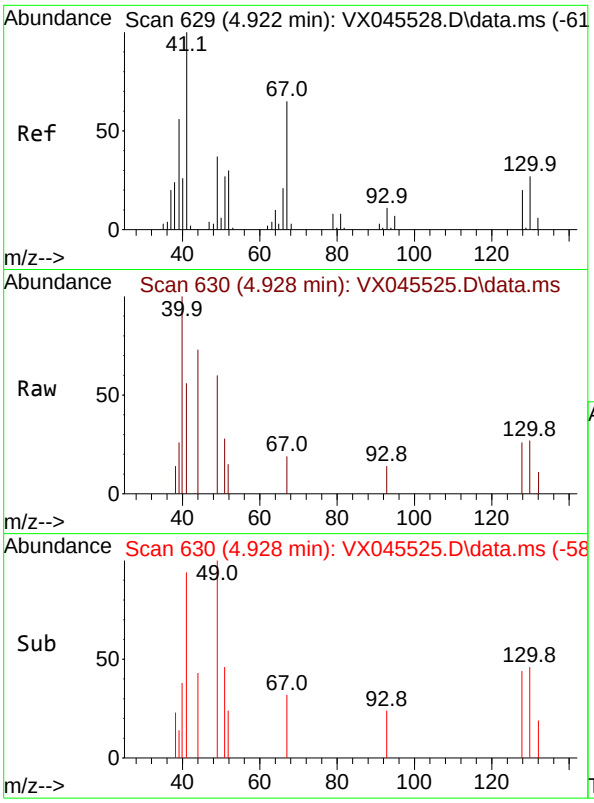


#40
Benzene
Concen: 0.967 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 78 Resp: 4957

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.6



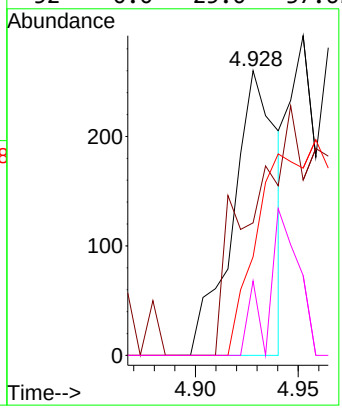


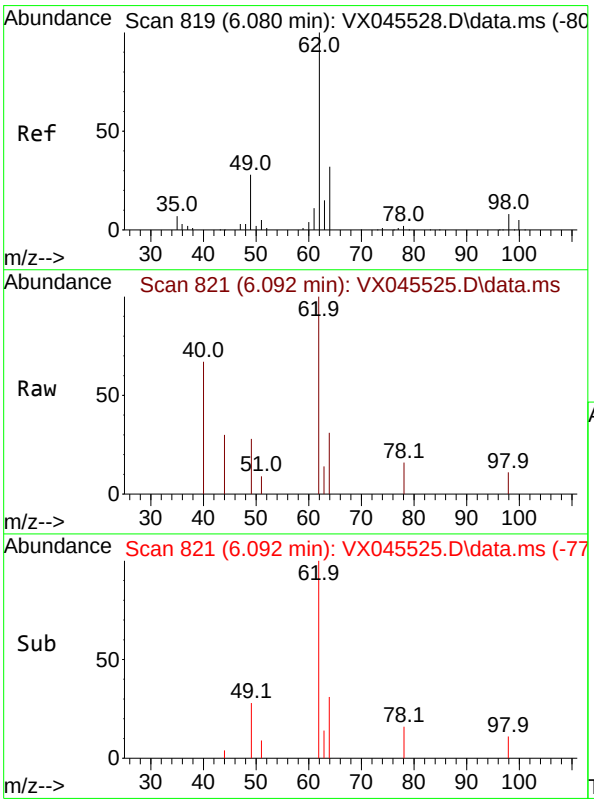
#41
Methacrylonitrile
Concen: 0.345 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 388

Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#

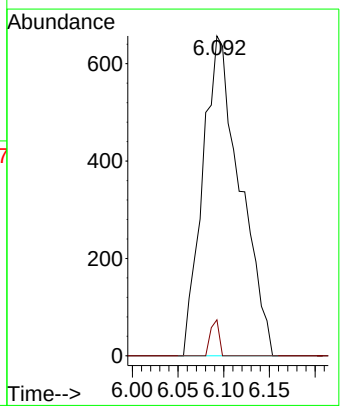


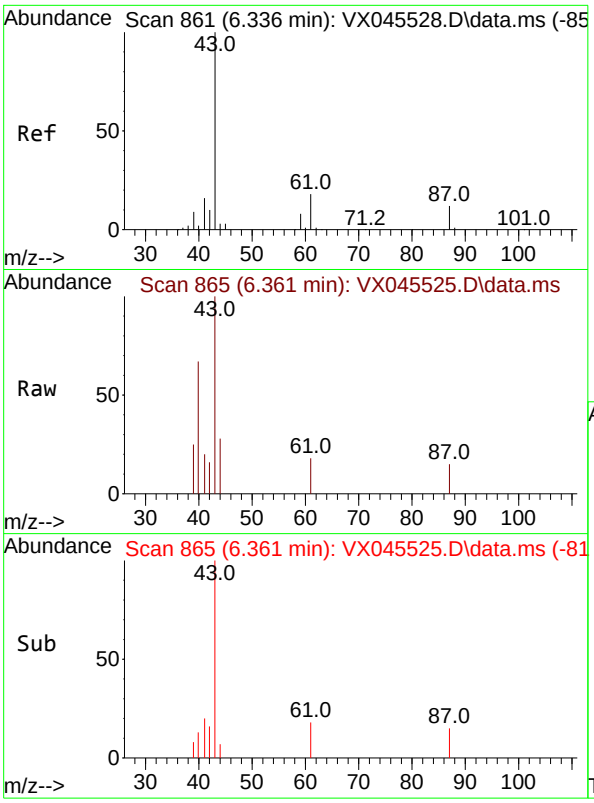


#42
1,2-Dichloroethane
Concen: 0.882 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 1867

Ion	Ratio	Lower	Upper
62	100		
98	2.6	0.0	15.2



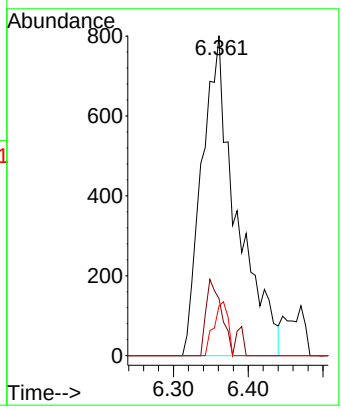


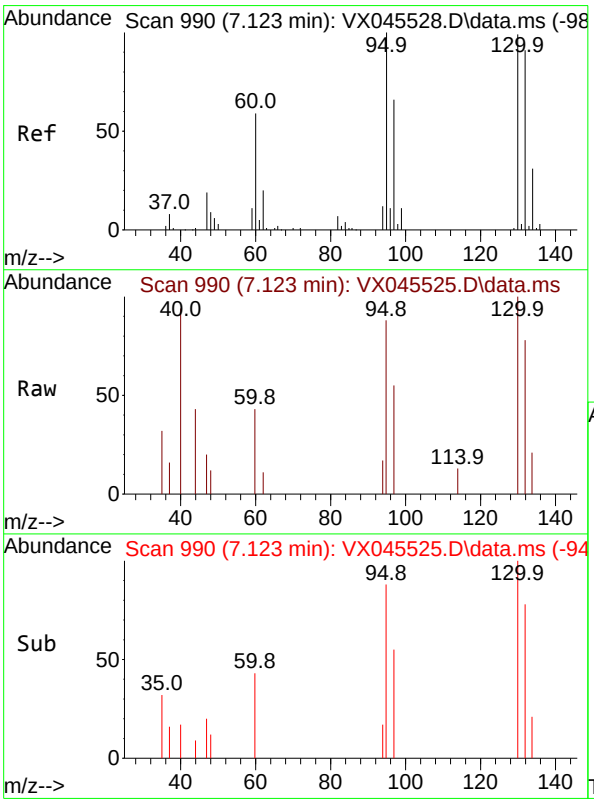
#43
Isopropyl Acetate
Concen: 0.804 ug/l
RT: 6.361 min Scan# 8
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2578

Ion	Ratio	Lower	Upper
43	100		
61	10.6	14.1	21.1#
87	6.9	9.2	13.8#

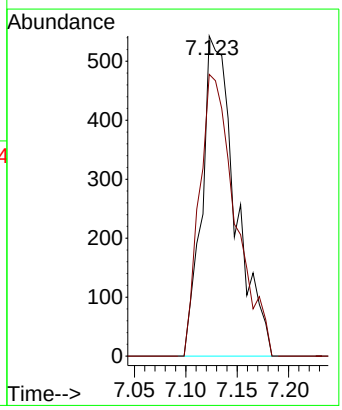


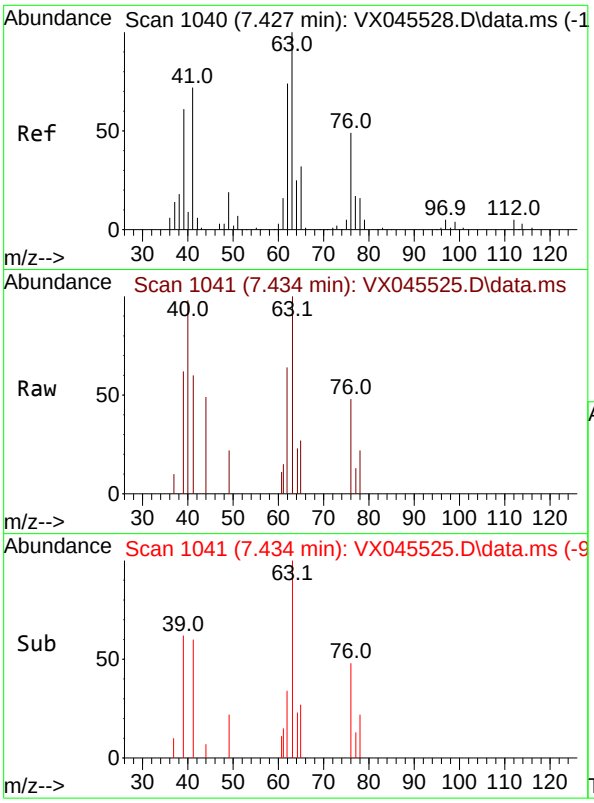


#44
Trichloroethene
Concen: 1.004 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:130 Resp: 1224

Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	202.0



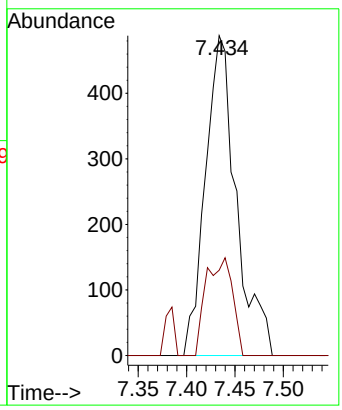


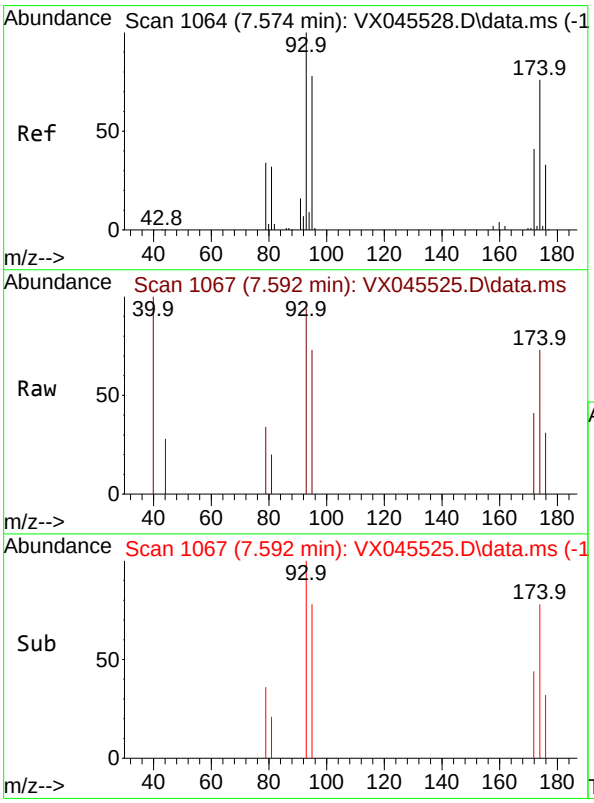
#45
1,2-Dichloropropane
Concen: 0.846 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1082

Ion	Ratio	Lower	Upper
63	100		
65	26.6	25.8	38.6

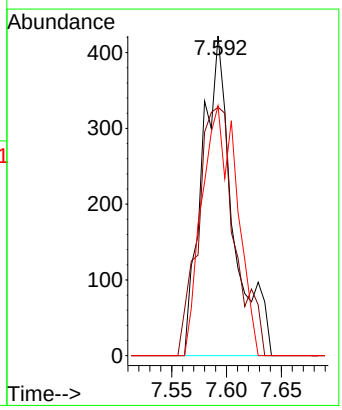


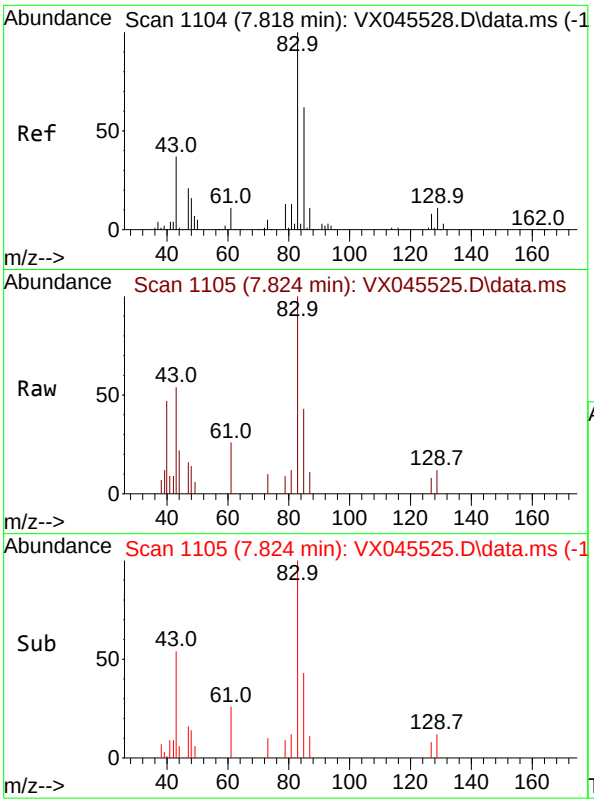


#46
Dibromomethane
Concen: 0.846 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.018 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 93 Resp: 831

Ion	Ratio	Lower	Upper
93	100		
95	92.2	64.8	97.2
174	88.4	65.4	98.0



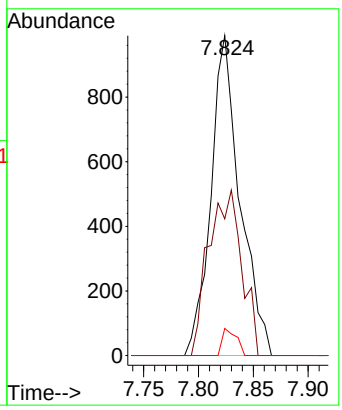


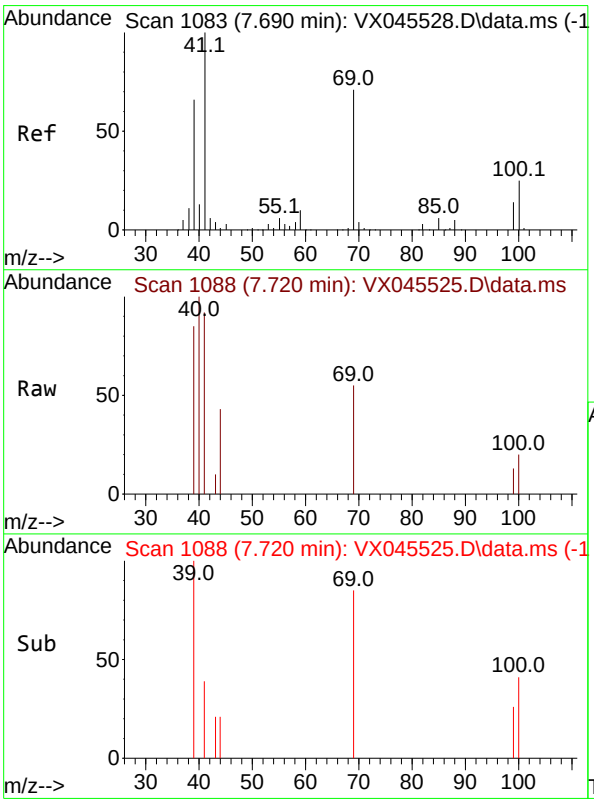
#47
Bromodichloromethane
Concen: 0.931 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1827

Ion	Ratio	Lower	Upper
83	100		
85	42.7	49.7	74.5#
127	8.5	6.1	9.1

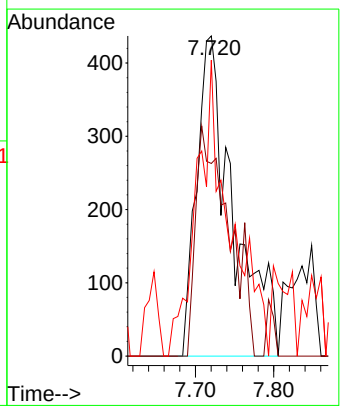


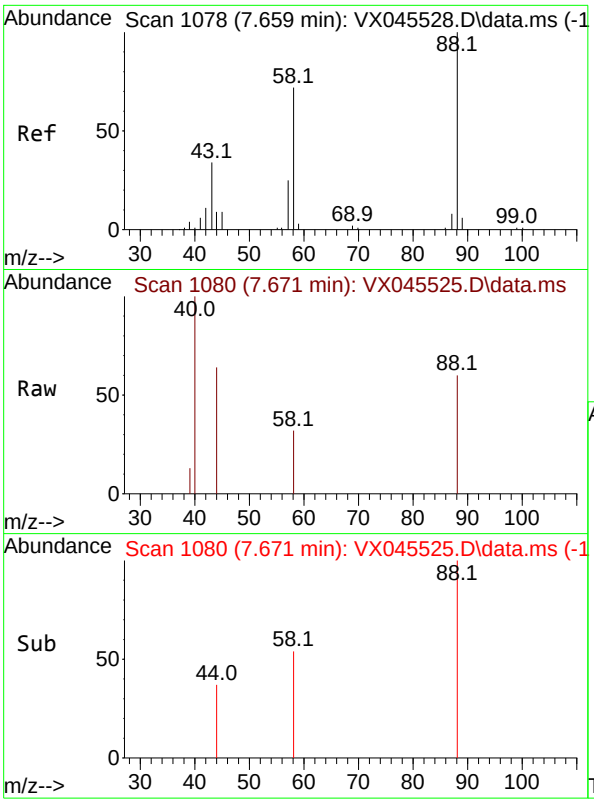


#48
Methyl methacrylate
Concen: 0.857 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 1419

Ion	Ratio	Lower	Upper
41	100		
69	64.7	58.2	87.2
39	72.7	53.6	80.4



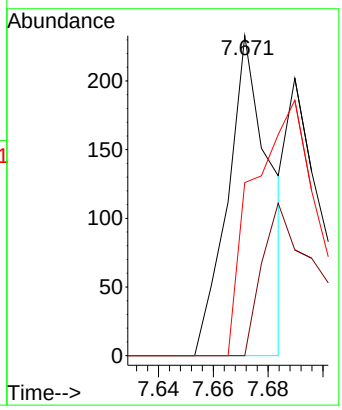


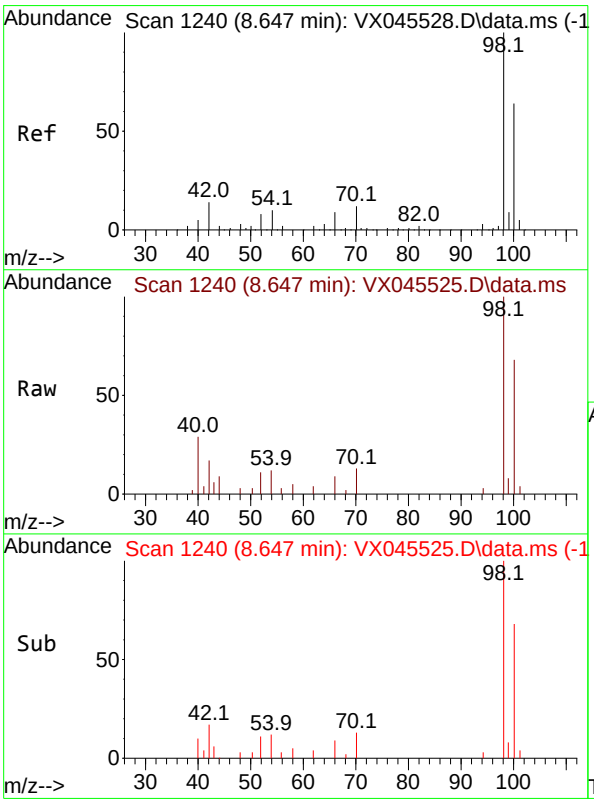
#49
1,4-Dioxane
Concen: 8.278 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 248

Ion	Ratio	Lower	Upper
88	100		
43	56.0	32.2	48.4#
58	133.5	58.6	88.0#

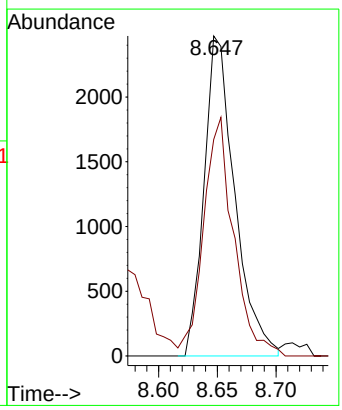


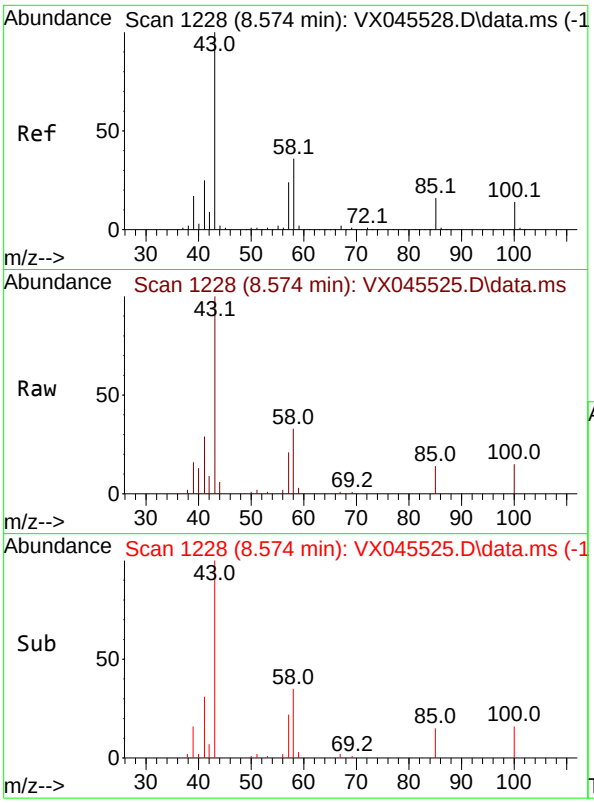


#50
Toluene-d8
Concen: 1.036 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 98 Resp: 4496

Ion	Ratio	Lower	Upper
98	100		
100	72.9	52.2	78.4



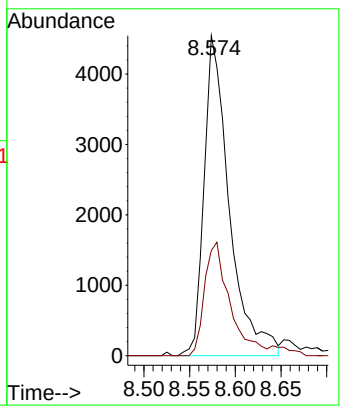


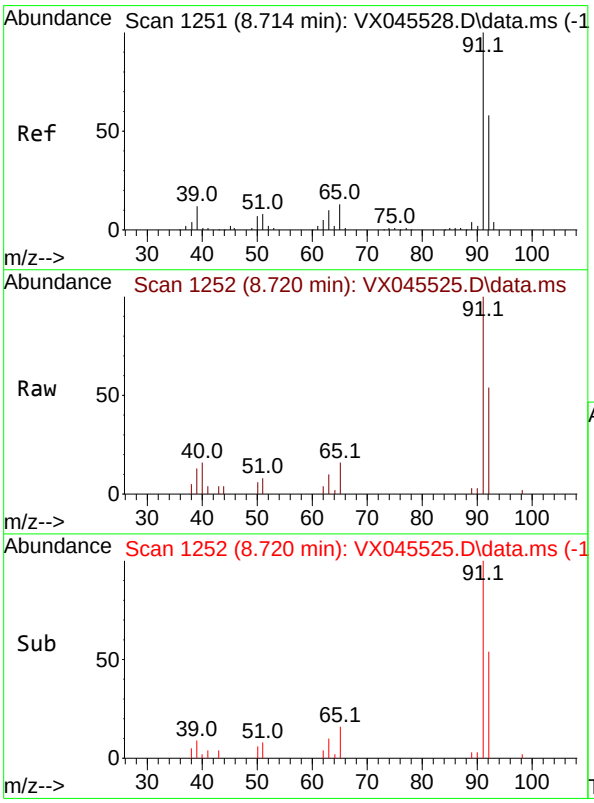
#51
4-Methyl-2-Pentanone
Concen: 4.114 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8746

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7

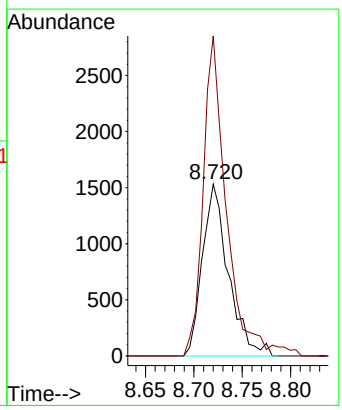


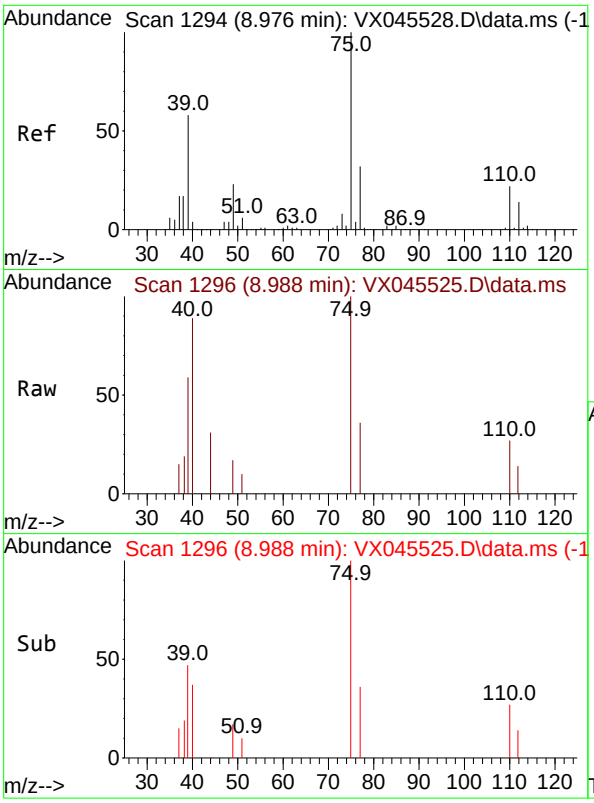


#52
Toluene
Concen: 0.923 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 92 Resp: 2863

Ion	Ratio	Lower	Upper
92	100		
91	167.2	138.7	208.1



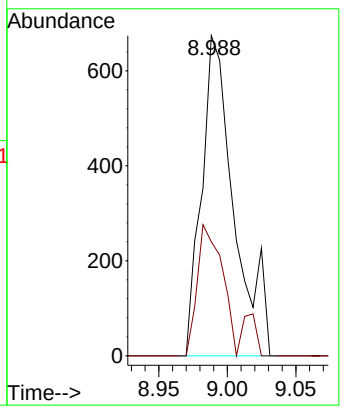


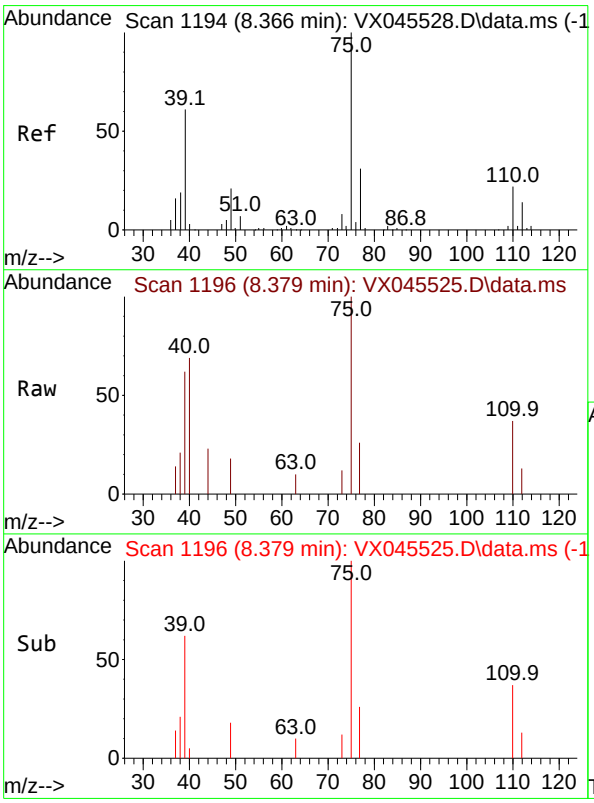
#53
t-1,3-Dichloropropene
Concen: 2.850 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1109

Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.4	38.0

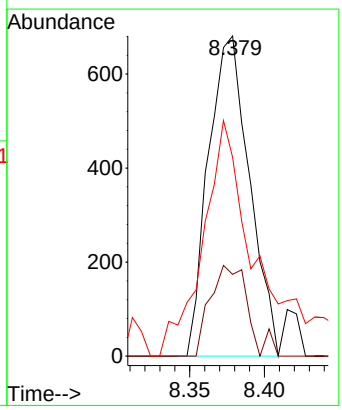


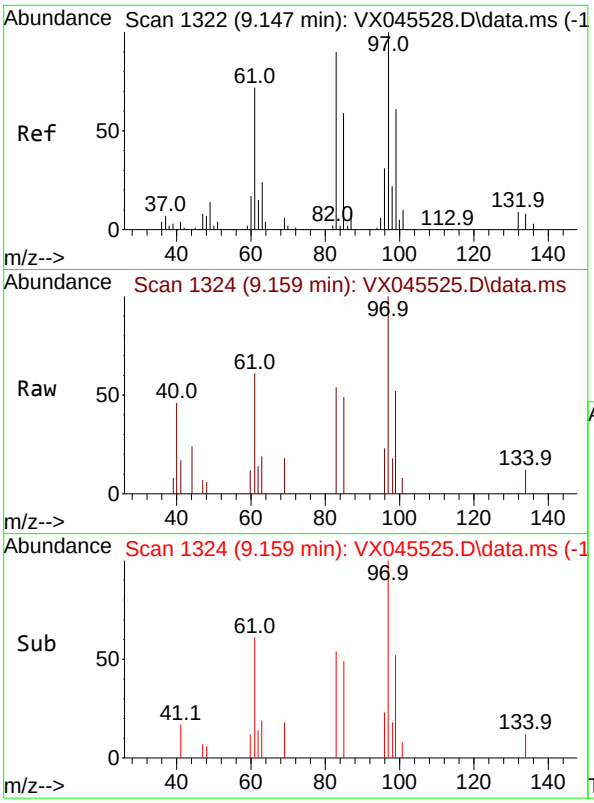


#54
cis-1,3-Dichloropropene
Concen: 0.705 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1300

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	36.8
39	52.4	48.4	72.6



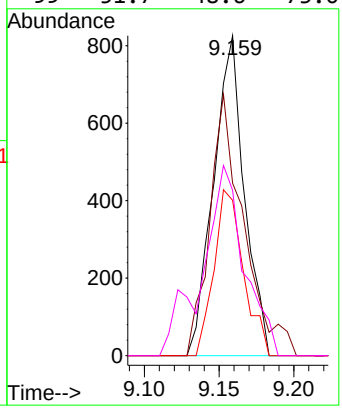


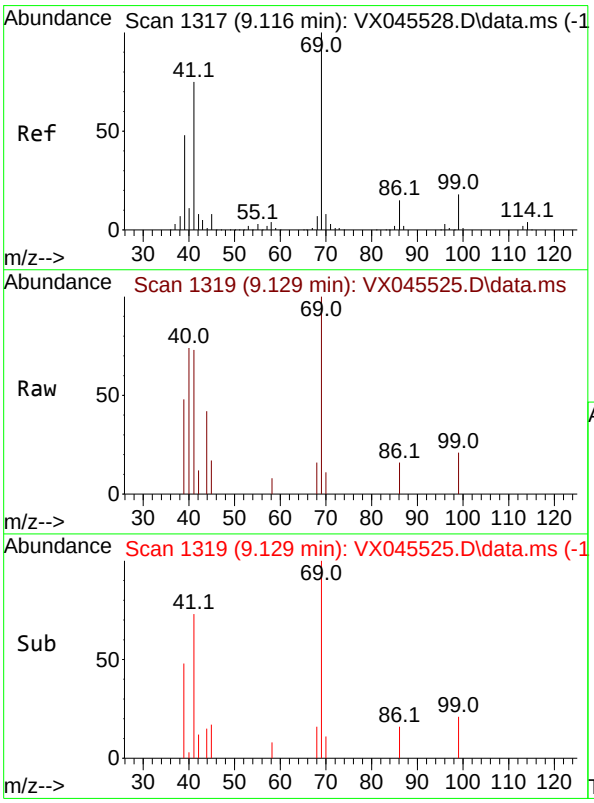
#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1183

Ion	Ratio	Lower	Upper
97	100		
83	53.9	71.8	107.8#
85	48.5	47.0	70.6
99	51.7	48.6	73.0

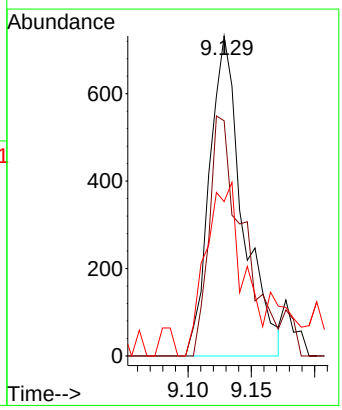


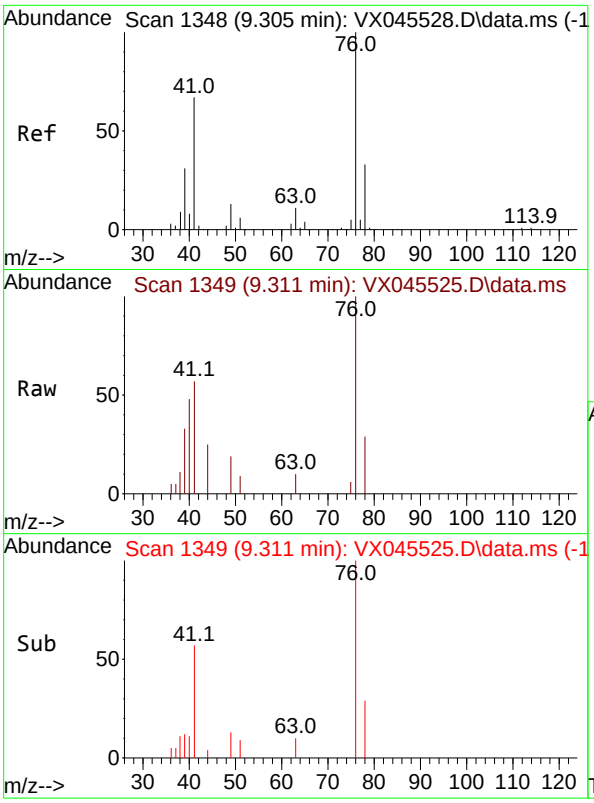


#56
Ethyl methacrylate
Concen: 0.699 ug/l
RT: 9.129 min Scan# 1319
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 69 Resp: 1338

Ion	Ratio	Lower	Upper
69	100		
41	82.4	61.3	91.9
39	60.6	40.2	60.2#



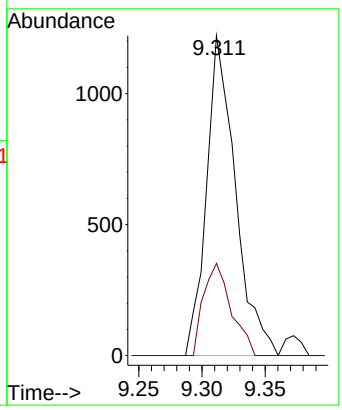


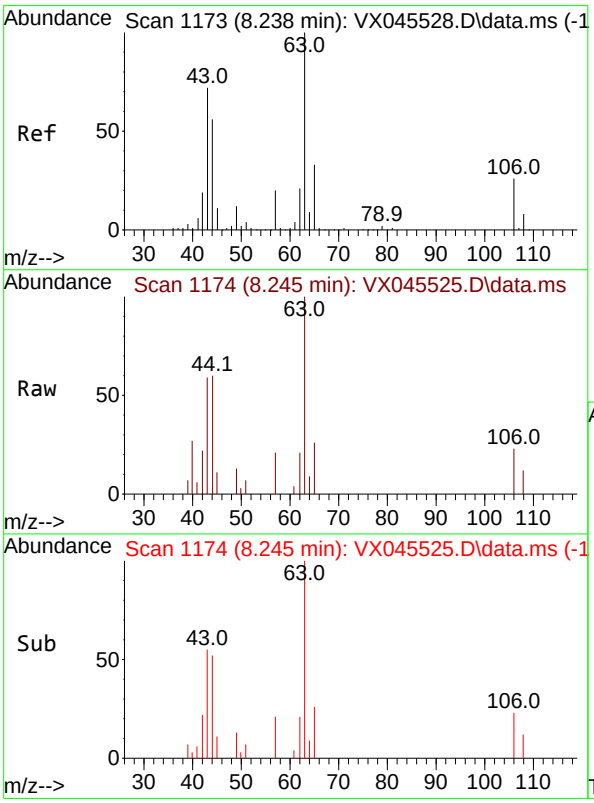
#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 1946

Ion	Ratio	Lower	Upper
76	100		
78	27.5	26.0	39.0

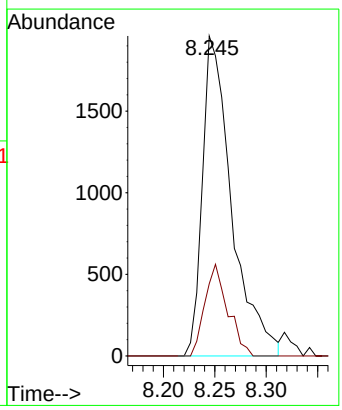


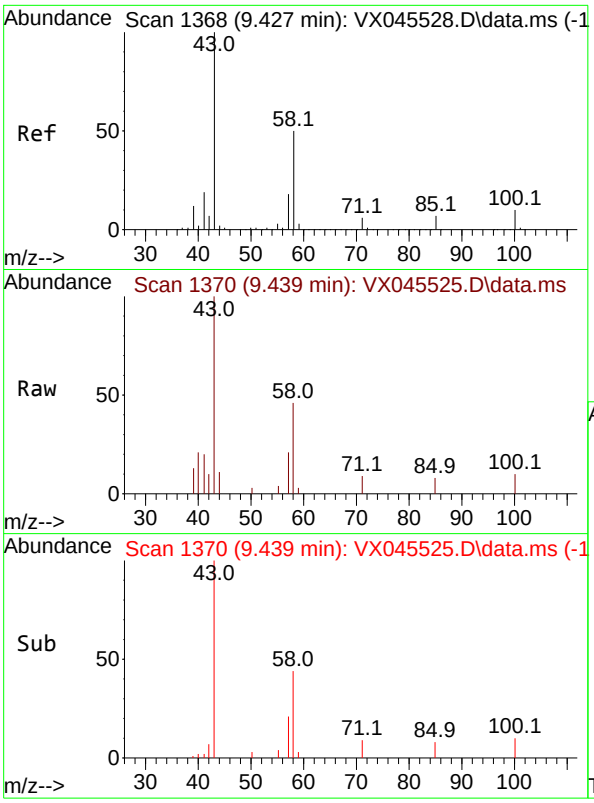


#58
2-Chloroethyl Vinyl ether
Concen: 4.008 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 3880

Ion	Ratio	Lower	Upper
63	100		
106	22.6	21.0	31.6



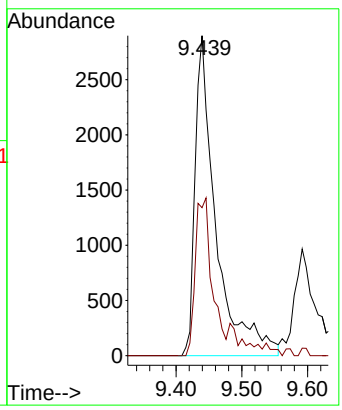


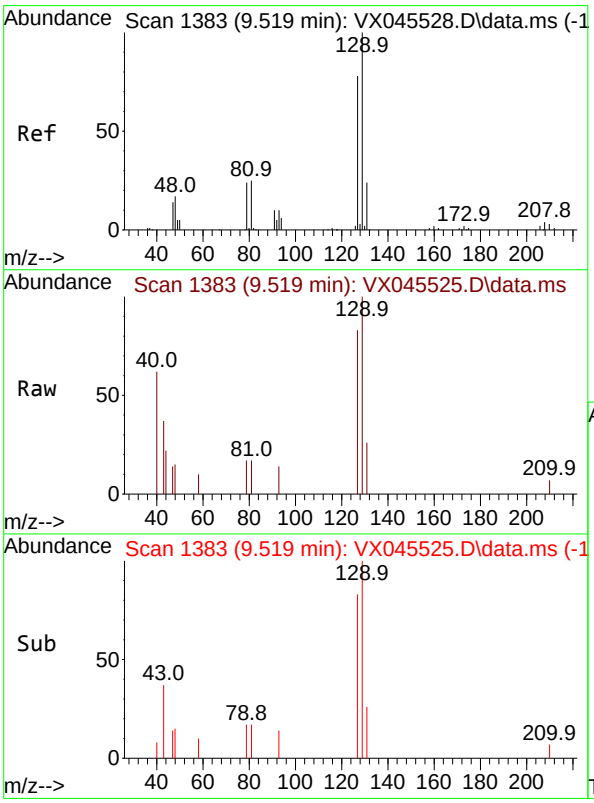
#59
2-Hexanone
Concen: 4.040 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6360

Ion	Ratio	Lower	Upper
43	100		
58	39.5	24.9	74.6

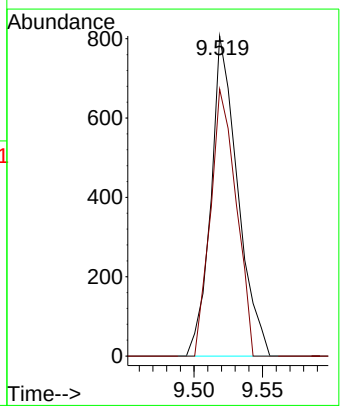


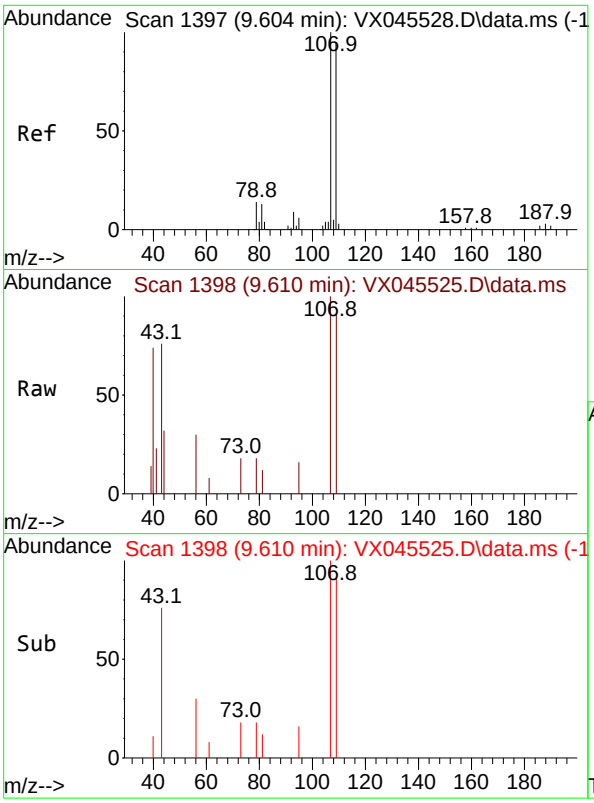


#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:129 Resp: 1097

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.2



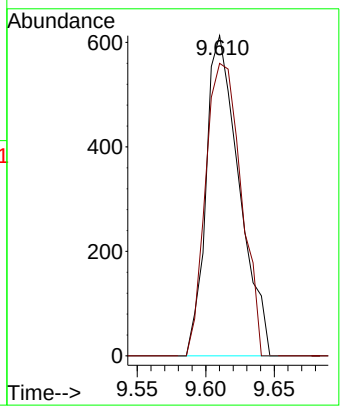


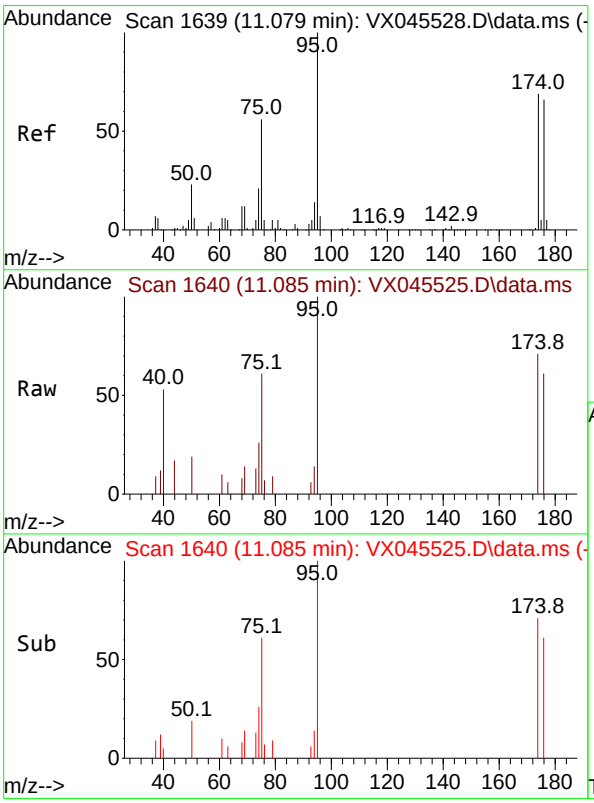
#61
1,2-Dibromoethane
Concen: 0.825 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1032

Ion	Ratio	Lower	Upper
107	100		
109	98.1	75.7	113.5

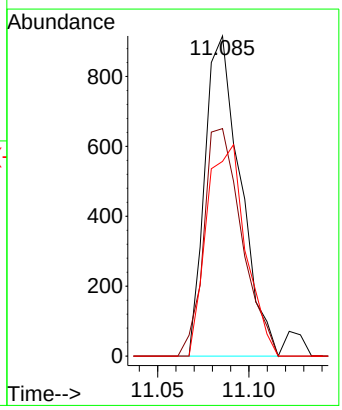


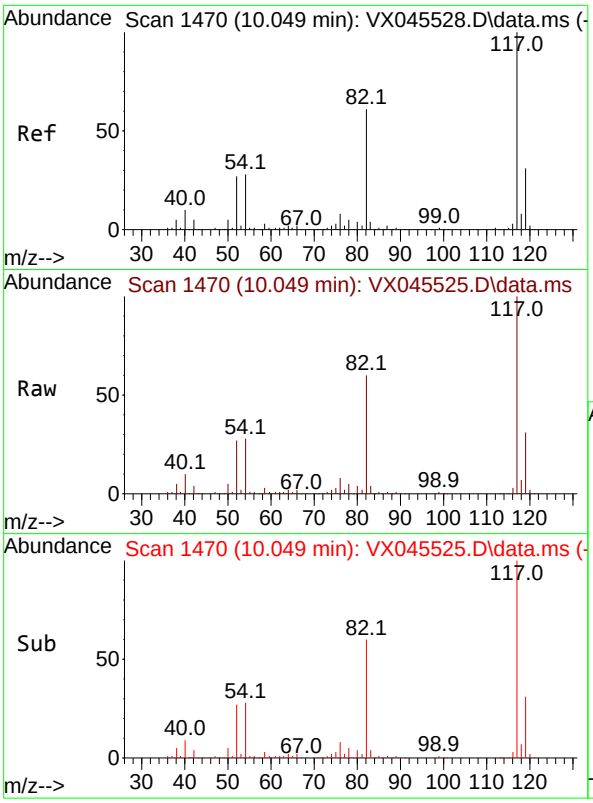


#62
4-Bromofluorobenzene
Concen: 0.782 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 95 Resp: 1236

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	135.8
176	72.7	0.0	131.4



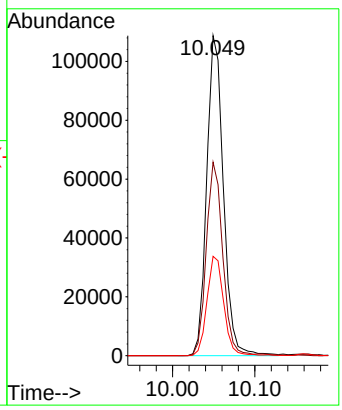


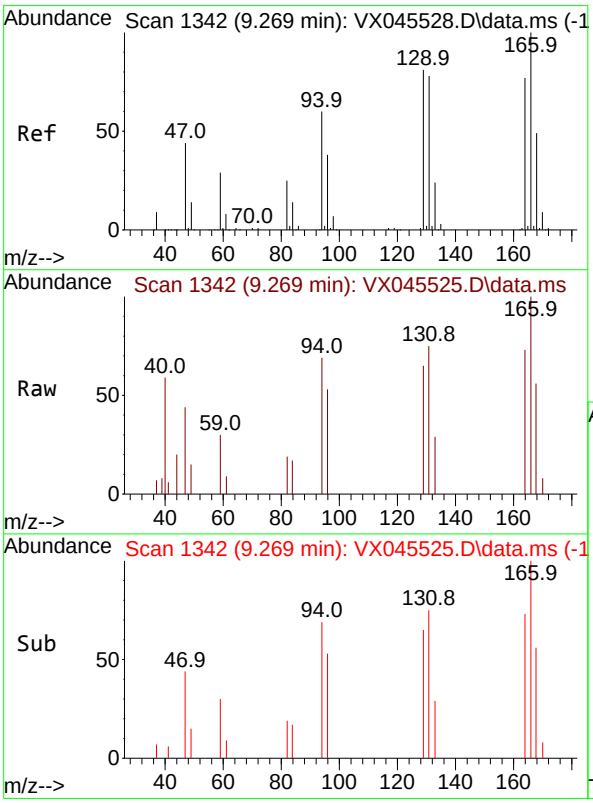
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 153312

Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.2	73.8
119	31.0	25.1	37.7

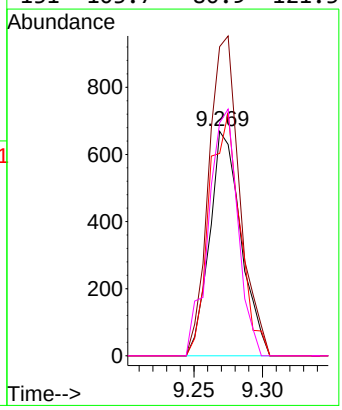


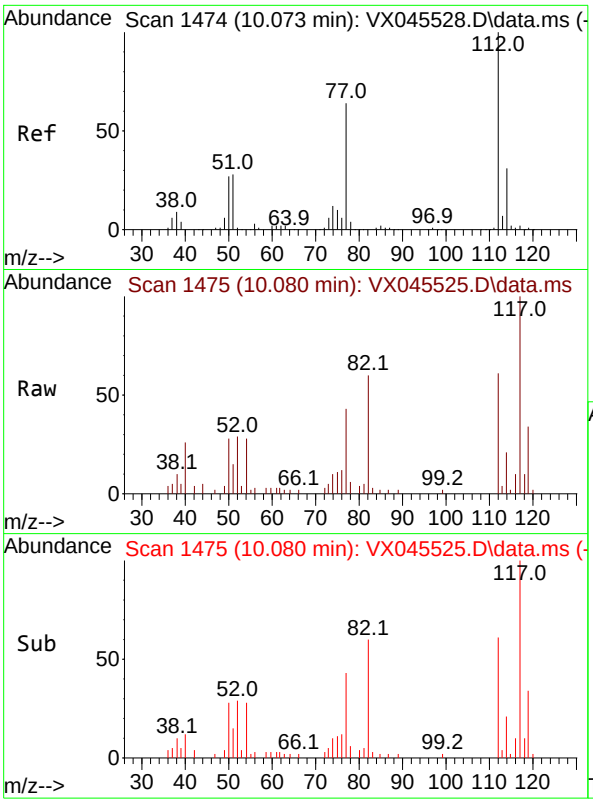


#64
Tetrachloroethene
Concen: 0.981 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:164 Resp: 1062

Ion	Ratio	Lower	Upper
164	100		
166	137.7	103.8	155.8
129	90.1	84.3	126.5
131	103.7	80.9	121.3



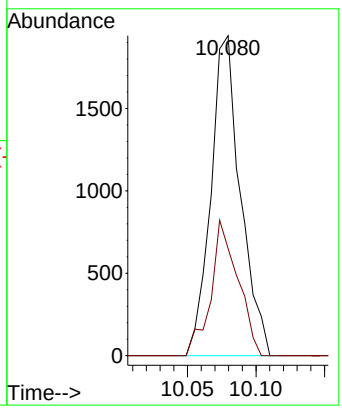


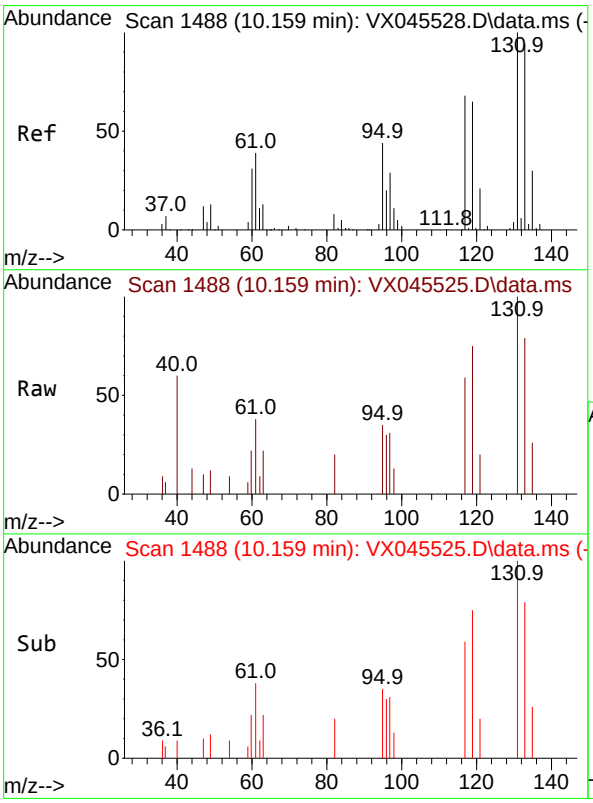
#65
Chlorobenzene
Concen: 0.890 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 2916

Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.7	37.1

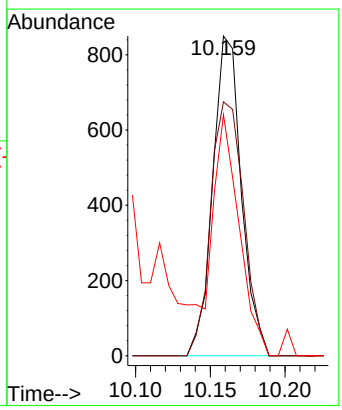


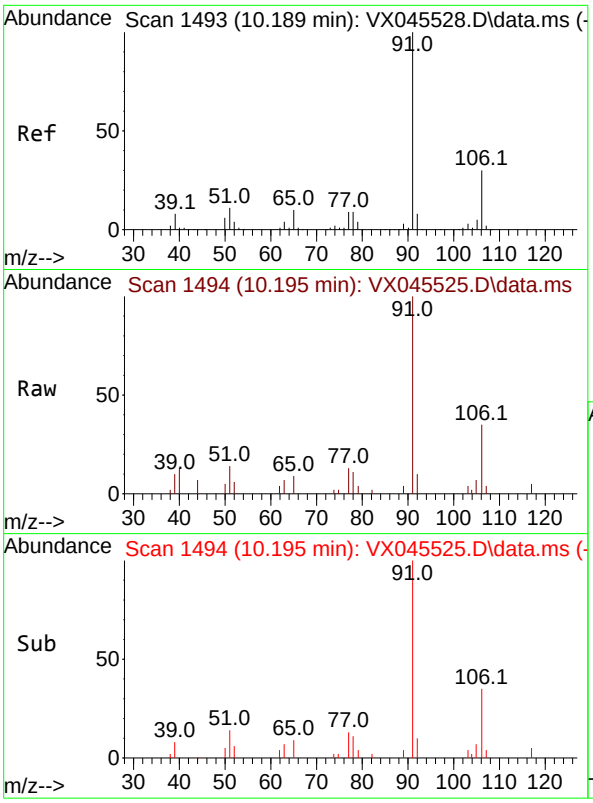


#66
1,1,1,2-Tetrachloroethane
Concen: 0.992 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:131 Resp: 1128

Ion	Ratio	Lower	Upper
131	100		
133	91.6	47.5	142.5
119	0.0	32.9	98.6#



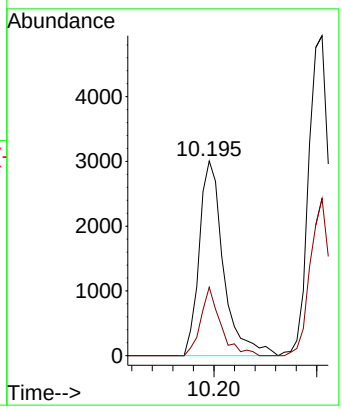


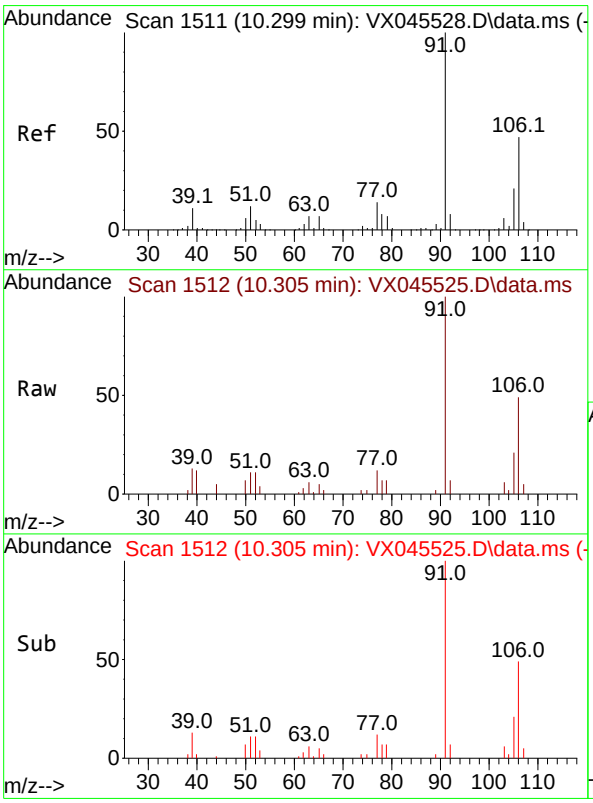
#67
Ethyl Benzene
Concen: 0.840 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4930

Ion	Ratio	Lower	Upper
91	100		
106	35.2	23.7	35.5

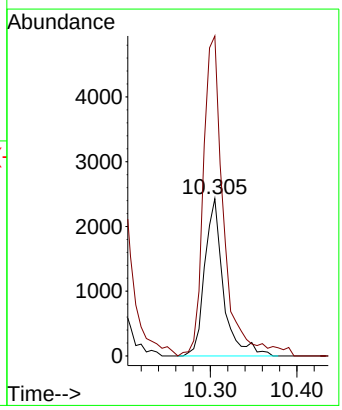


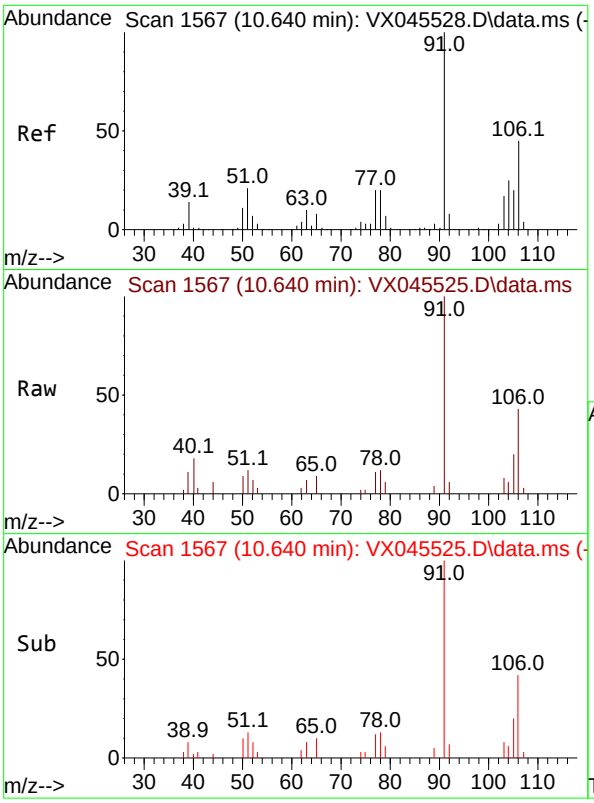


#68
m/p-Xylenes
Concen: 1.708 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 3645

Ion	Ratio	Lower	Upper
106	100		
91	221.2	172.6	258.8



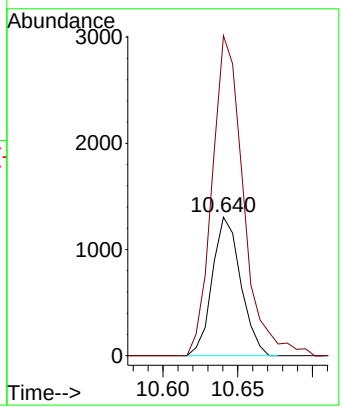


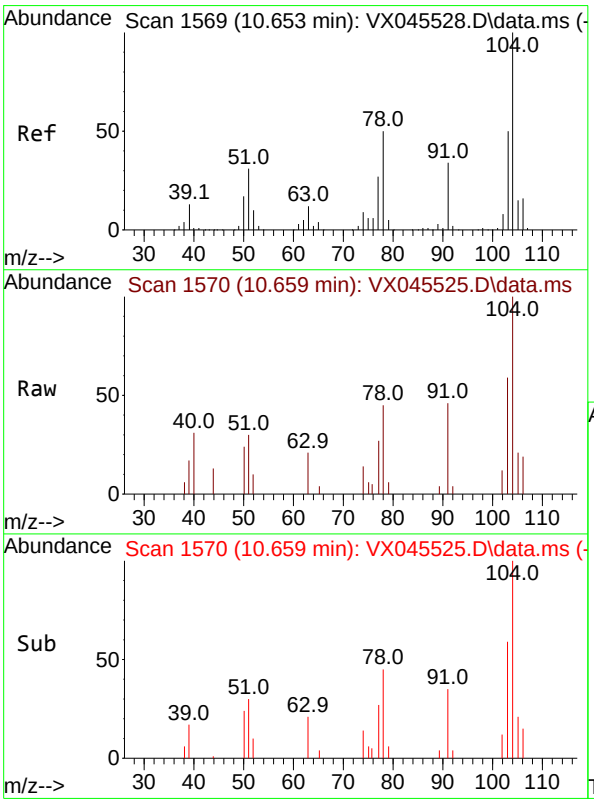
#69
o-Xylene
Concen: 0.820 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1724

Ion	Ratio	Lower	Upper
106	100		
91	254.4	113.6	340.6

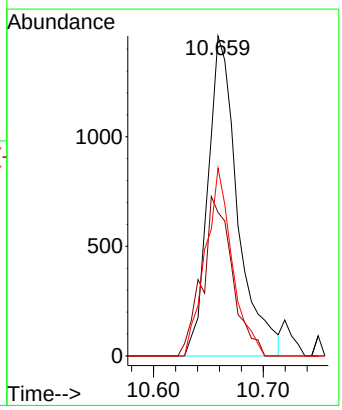


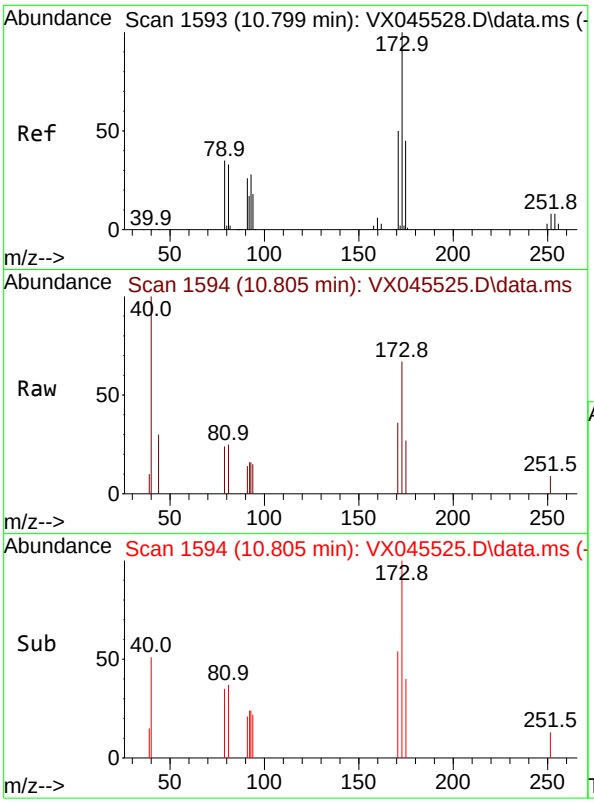


#70
Styrene
Concen: 0.793 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:104 Resp: 2750

Ion	Ratio	Lower	Upper
104	100		
78	50.1	45.4	68.2
103	53.2	43.8	65.8



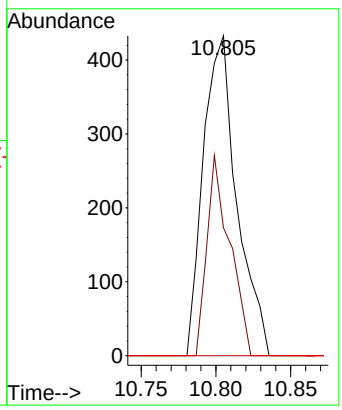


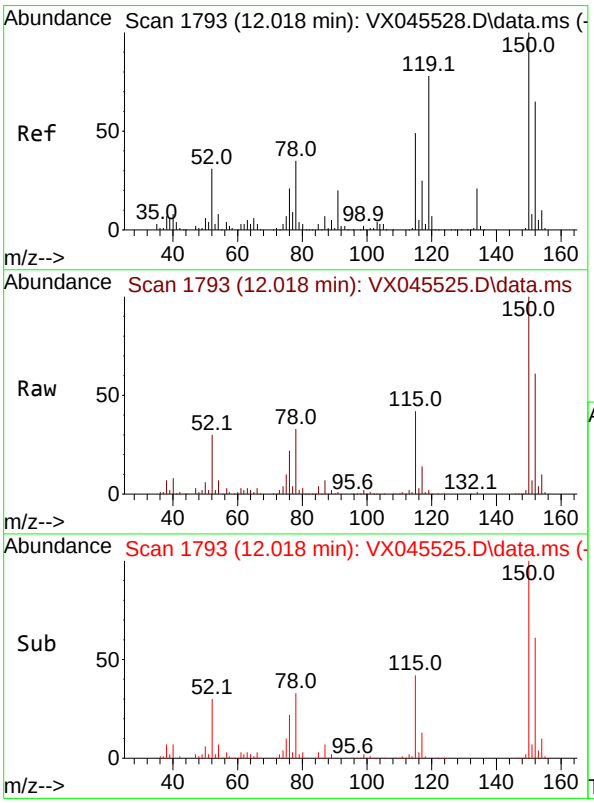
#71
Bromoform
Concen: 0.795 ug/l
RT: 10.805 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 675

Ion	Ratio	Lower	Upper
173	100		
175	42.7	23.4	70.2
254	0.0	0.0	0.0

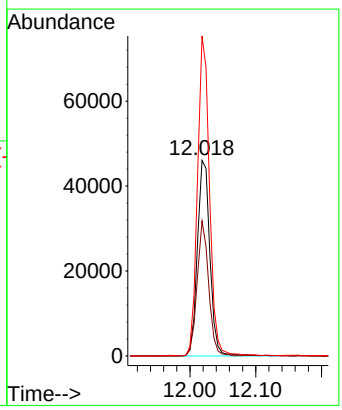


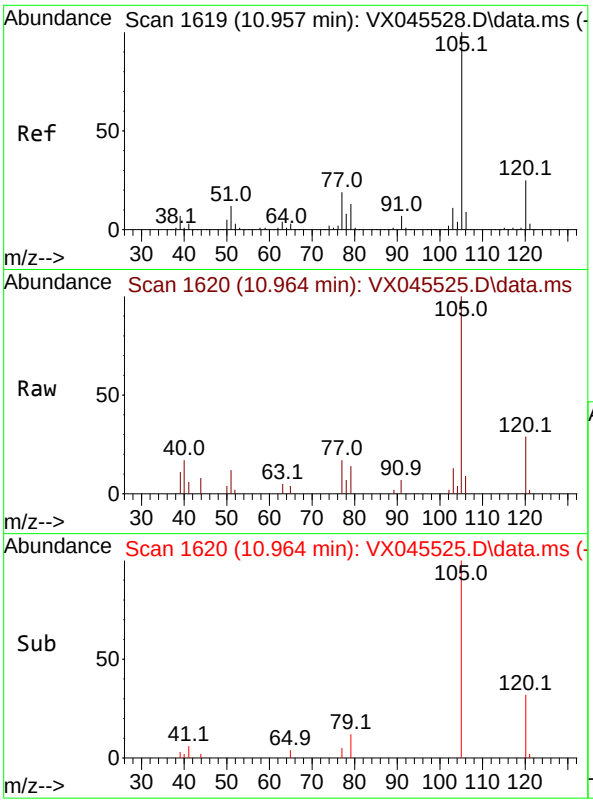


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:152 Resp: 61114

Ion	Ratio	Lower	Upper
152	100		
115	63.5	46.9	140.7
150	155.9	0.0	349.4



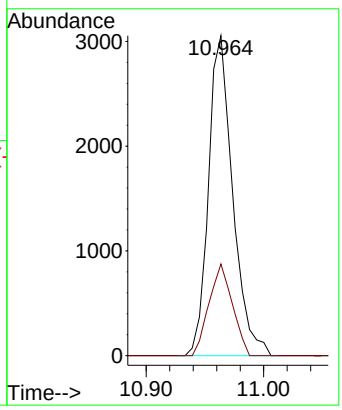


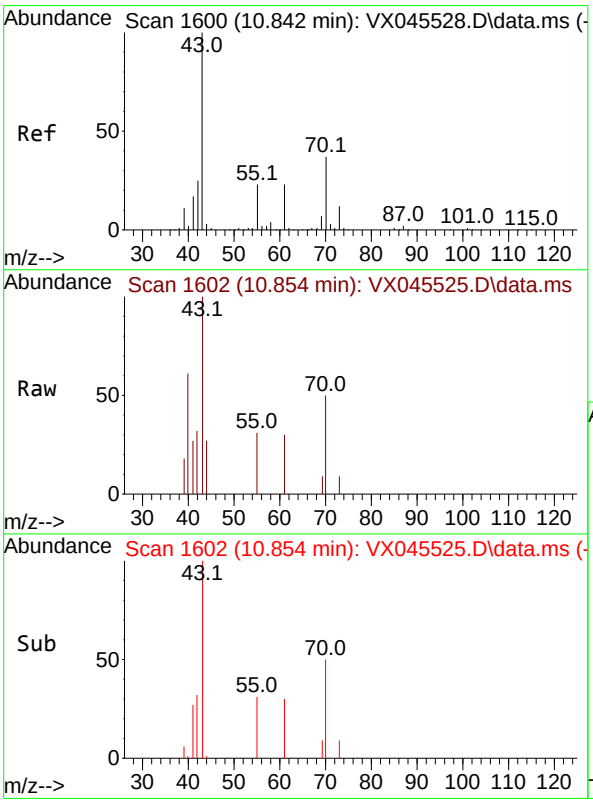
#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4377

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.7	38.0

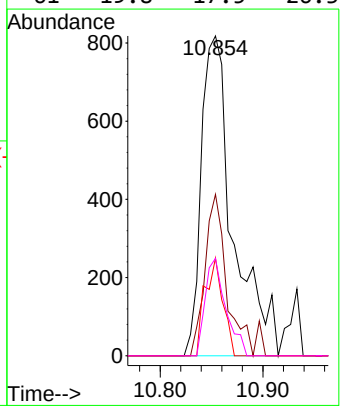


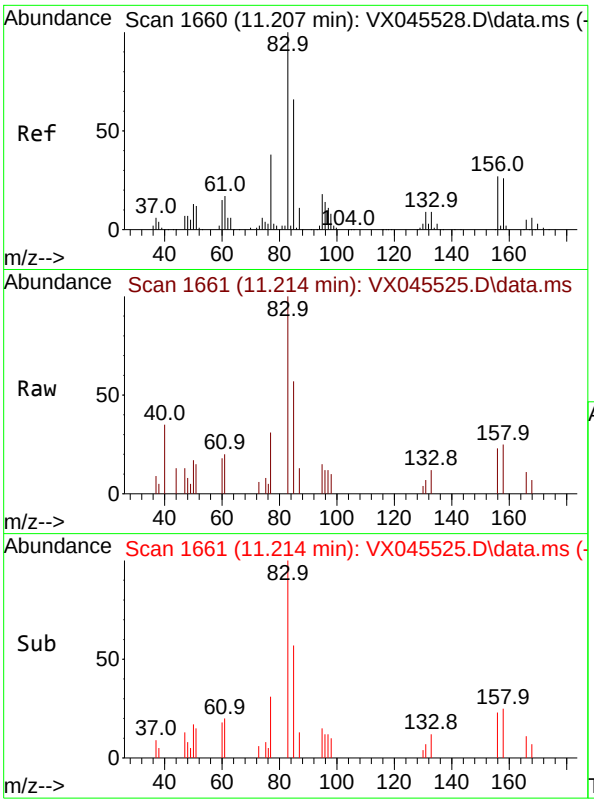


#74
N-amyl acetate
Concen: 0.752 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 1762

Ion	Ratio	Lower	Upper
43	100		
70	34.4	30.1	45.1
55	17.3	18.3	27.5#
61	19.8	17.5	26.3



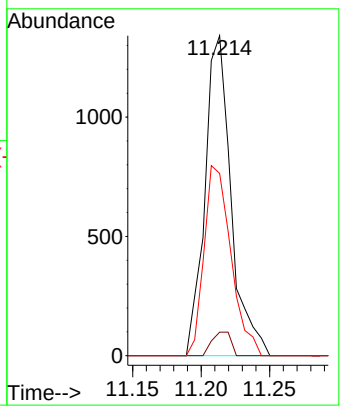


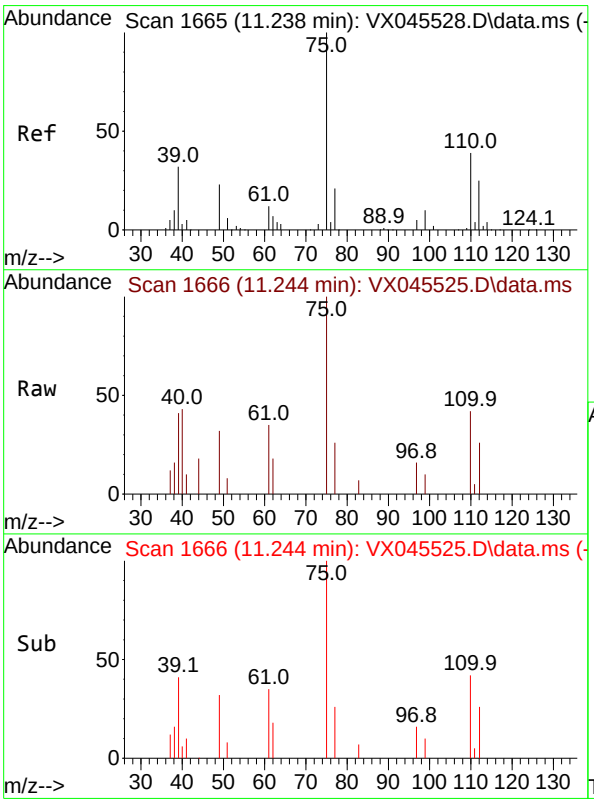
#75
1,1,2,2-Tetrachloroethane
Concen: 1.036 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1781

Ion	Ratio	Lower	Upper
83	100		
131	5.3	4.7	14.1
85	61.1	32.4	97.2

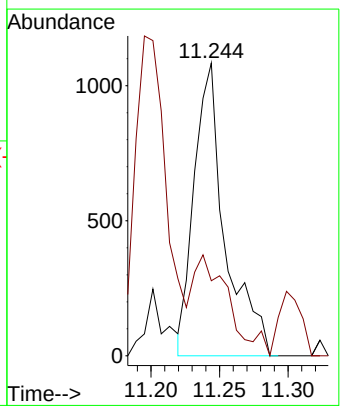


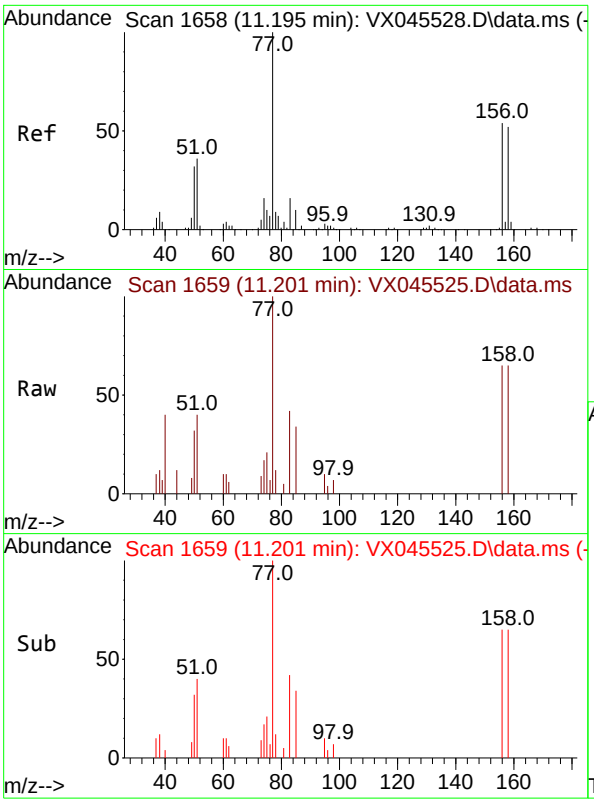


#76
1,2,3-Trichloropropane
Concen: 1.144 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1706

Ion	Ratio	Lower	Upper
75	100		
77	36.9	20.0	59.9



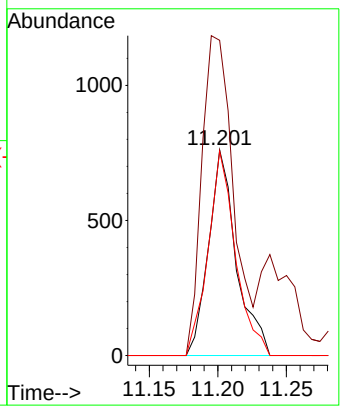


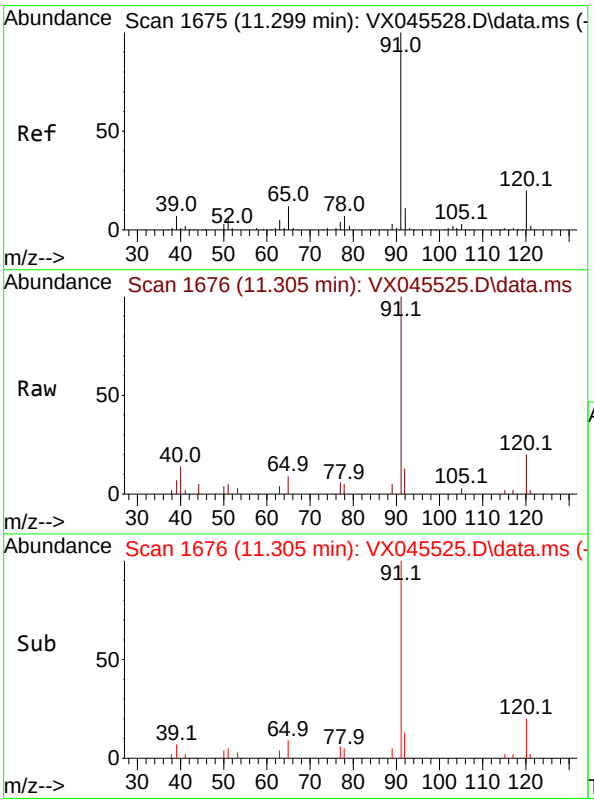
#77
Bromobenzene
Concen: 0.948 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1072

Ion	Ratio	Lower	Upper
156	100		
77	176.5	92.6	277.8
158	98.4	48.1	144.4

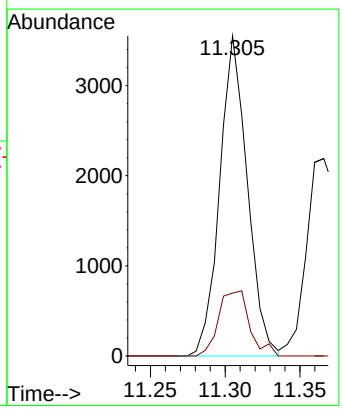


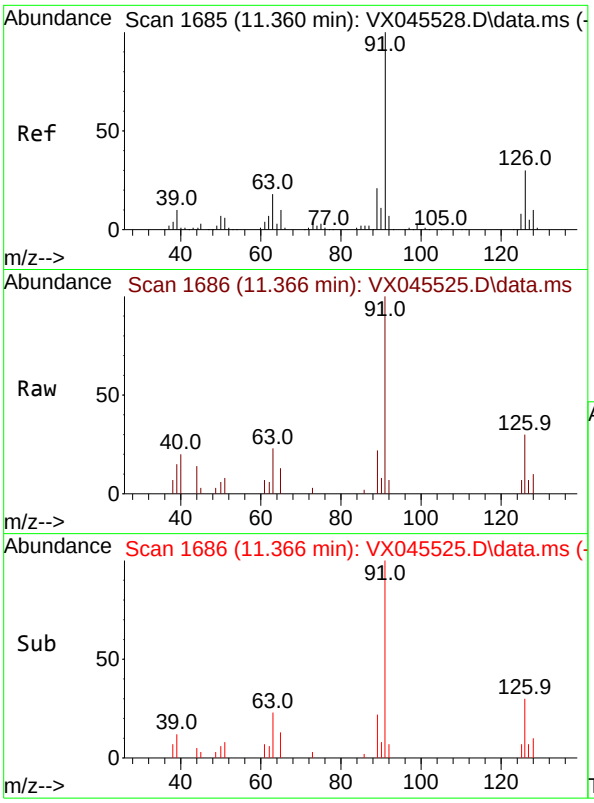


#78
n-propylbenzene
Concen: 0.809 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 4564

Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.8	32.3



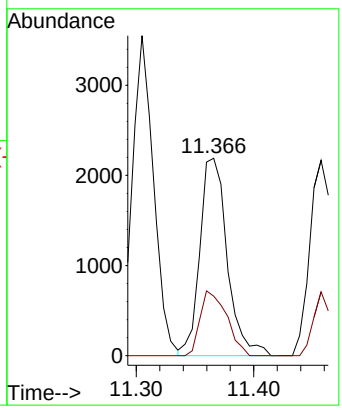


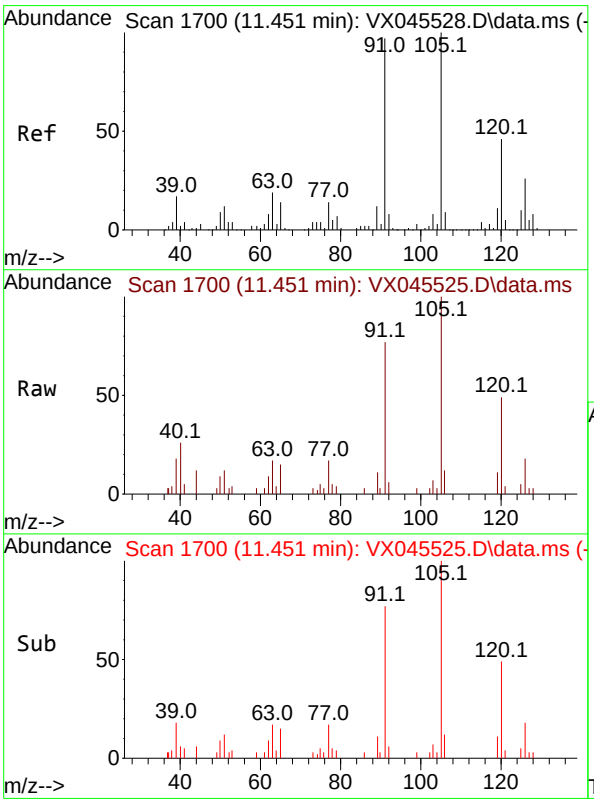
#79
2-Chlorotoluene
Concen: 0.981 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3537

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.4

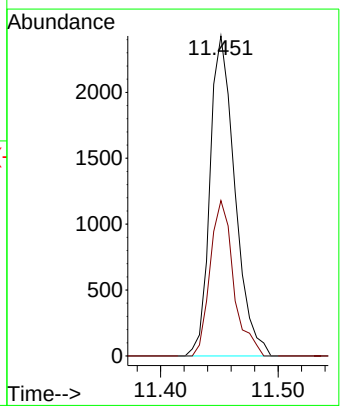


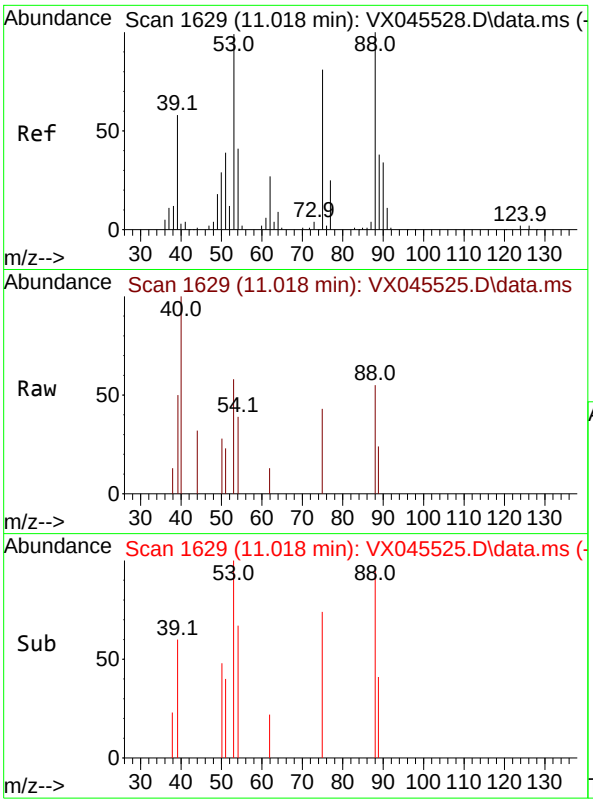


#80
1,3,5-Trimethylbenzene
Concen: 0.885 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 3582

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0



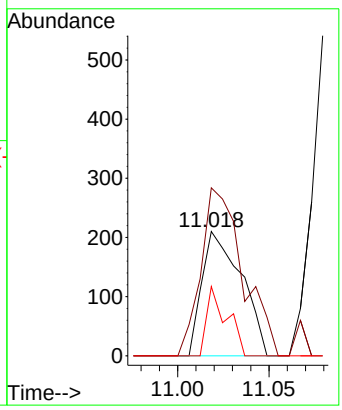


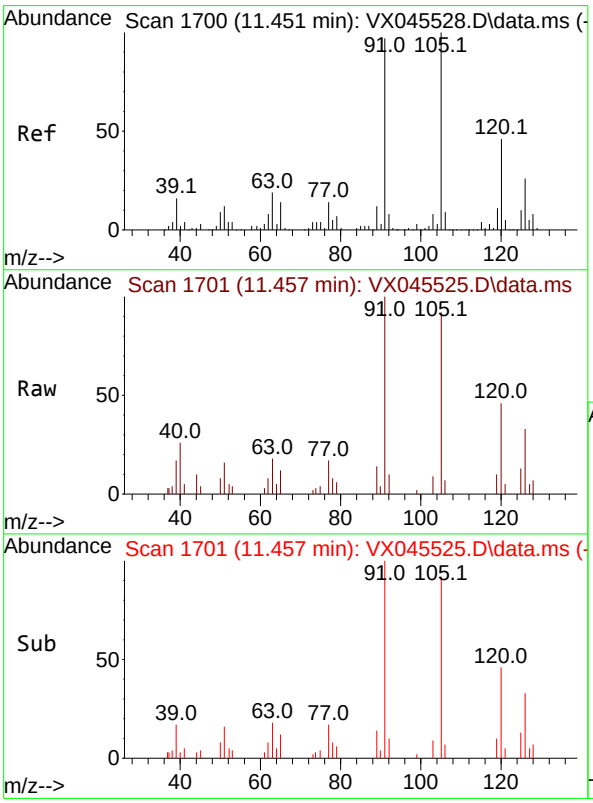
#81
trans-1,4-Dichloro-2-butene
Concen: 0.717 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 315

Ion	Ratio	Lower	Upper
75	100		
53	143.2	101.8	152.6
89	28.3	37.2	55.8#

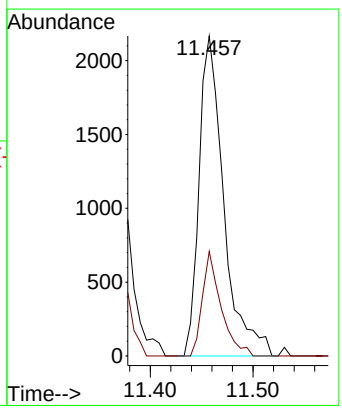


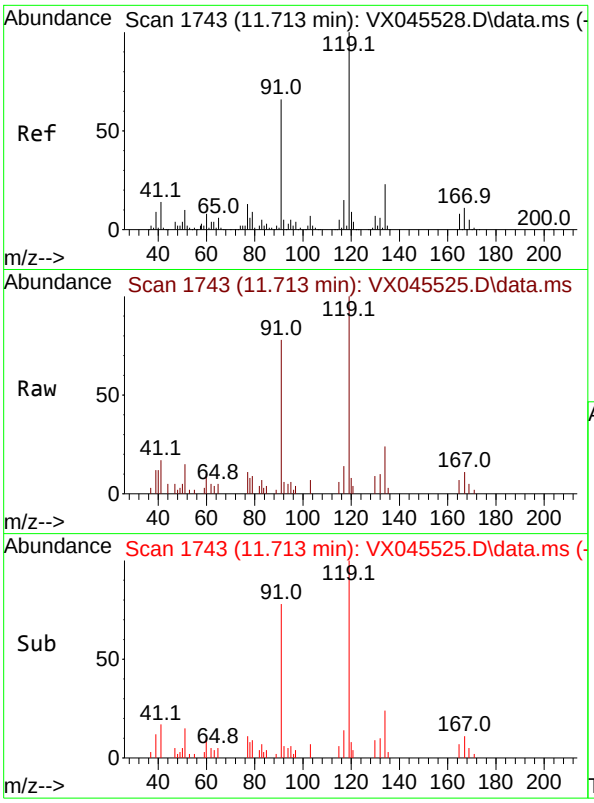


#82
4-Chlorotoluene
Concen: 0.900 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3619

Ion	Ratio	Lower	Upper
91	100		
126	24.7	13.3	39.9



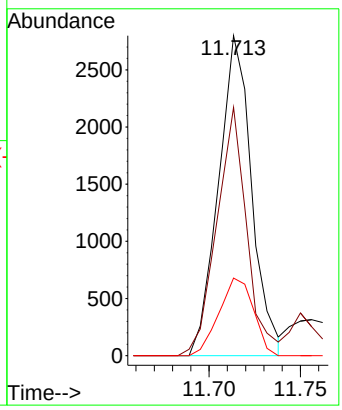


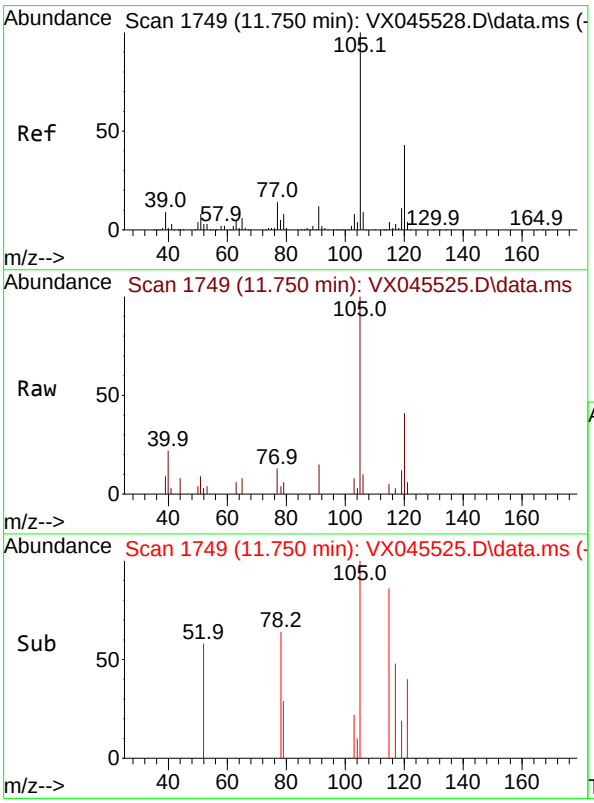
#83
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3537

Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.4	97.2
134	25.2	11.5	34.5

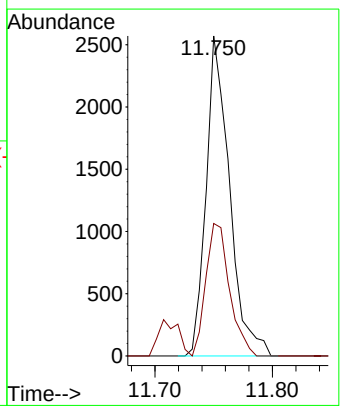


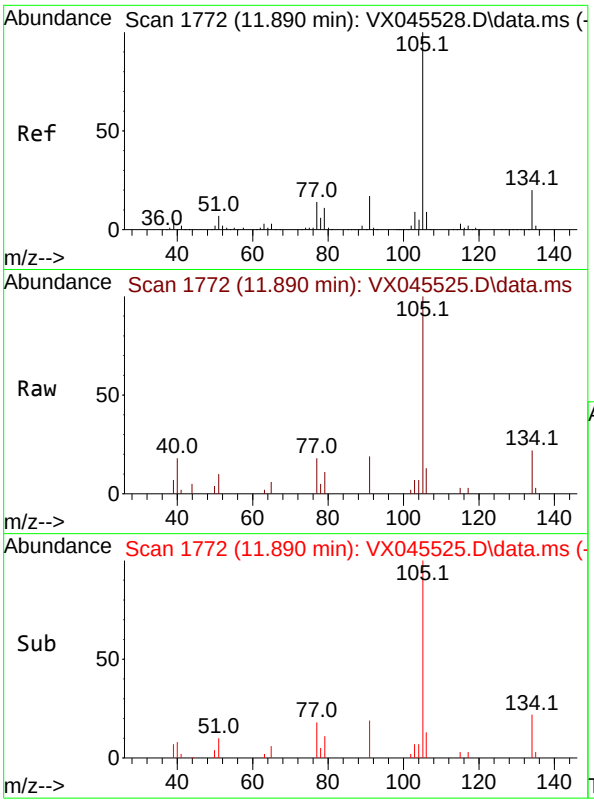


#84
1,2,4-Trimethylbenzene
Concen: 0.874 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 3552

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.4	64.3



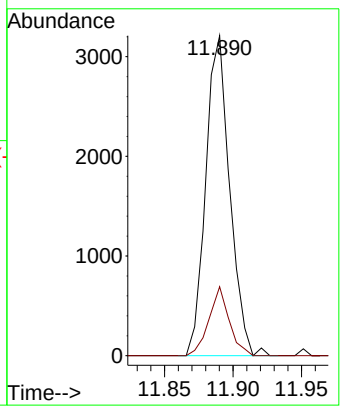


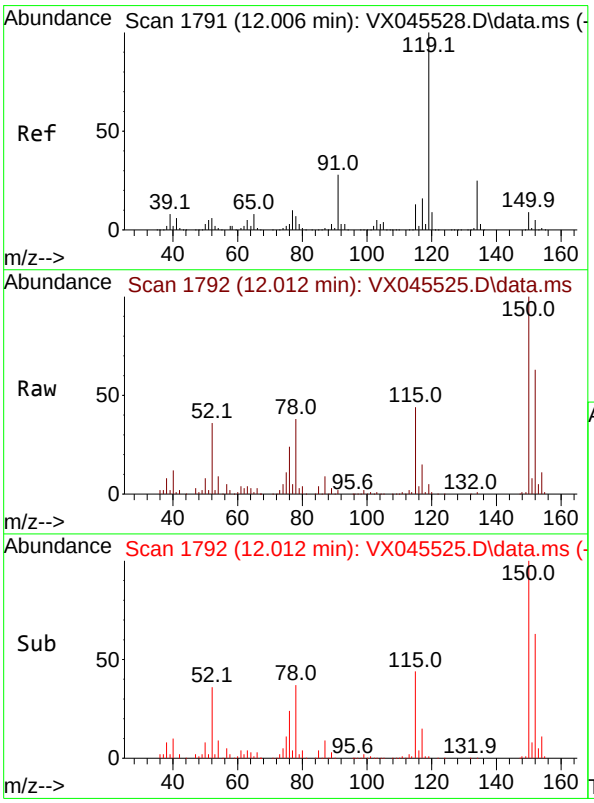
#85
sec-Butylbenzene
Concen: 0.793 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3905

Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.6

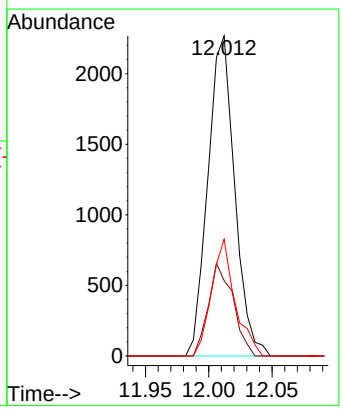


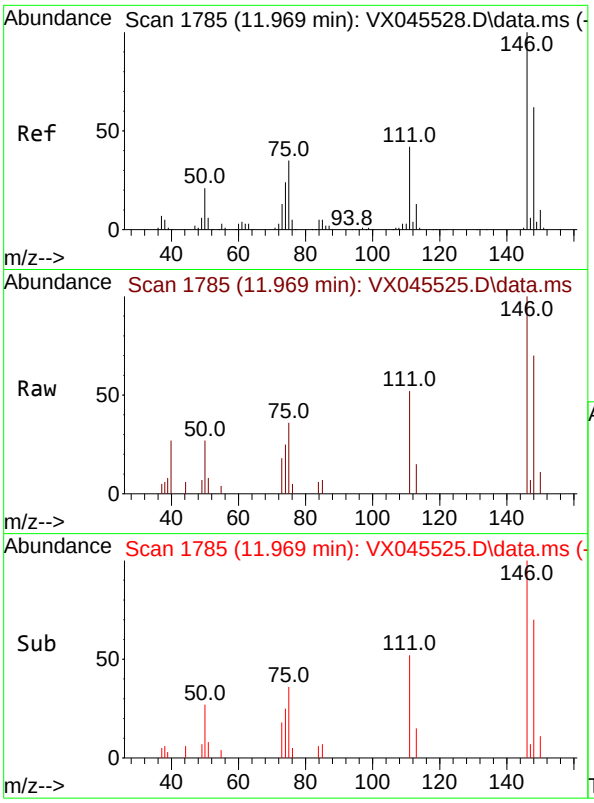


#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 3342

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.6	37.8
91	31.9	13.7	41.1



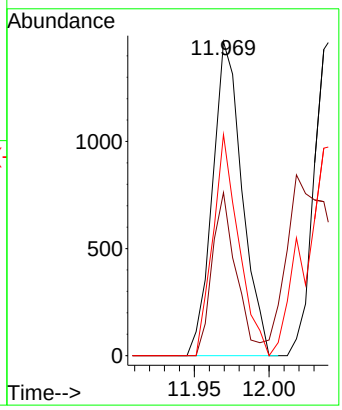


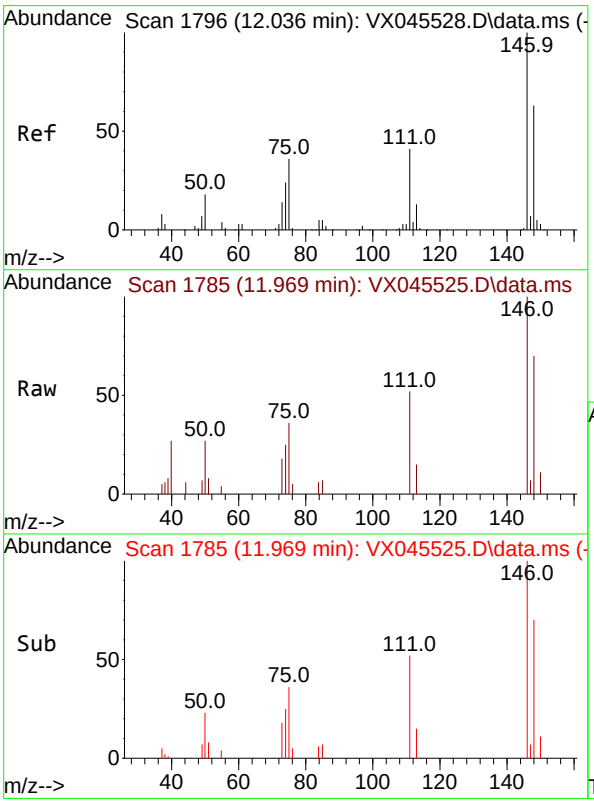
#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2026

Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	61.2	31.9	95.7

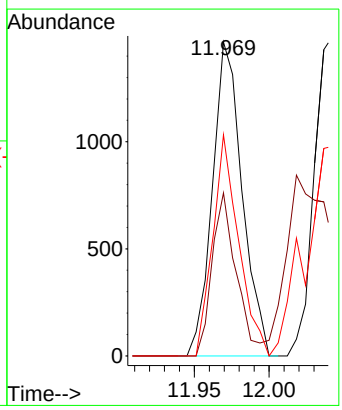


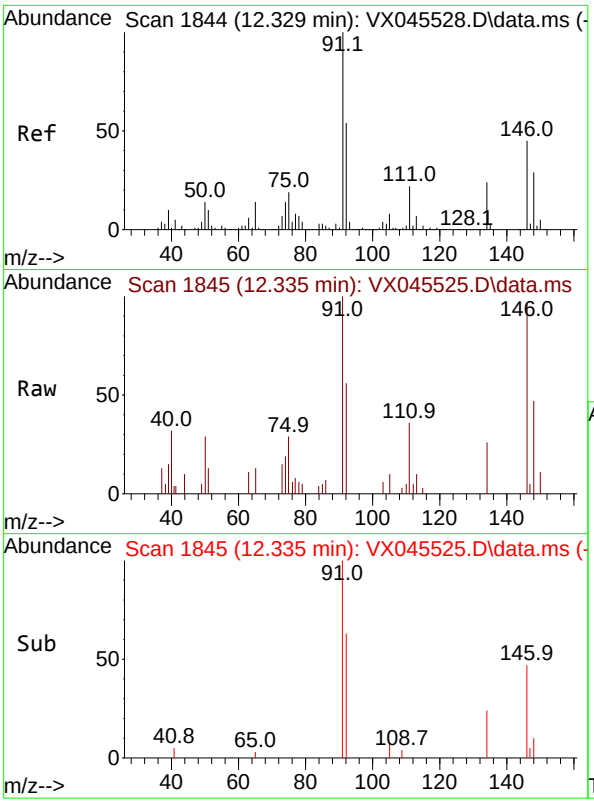


#88
1,4-Dichlorobenzene
Concen: 0.971 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 2026

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	61.2	31.5	94.5



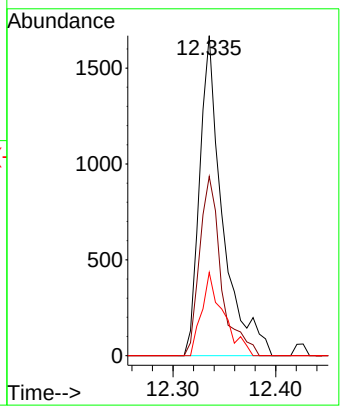


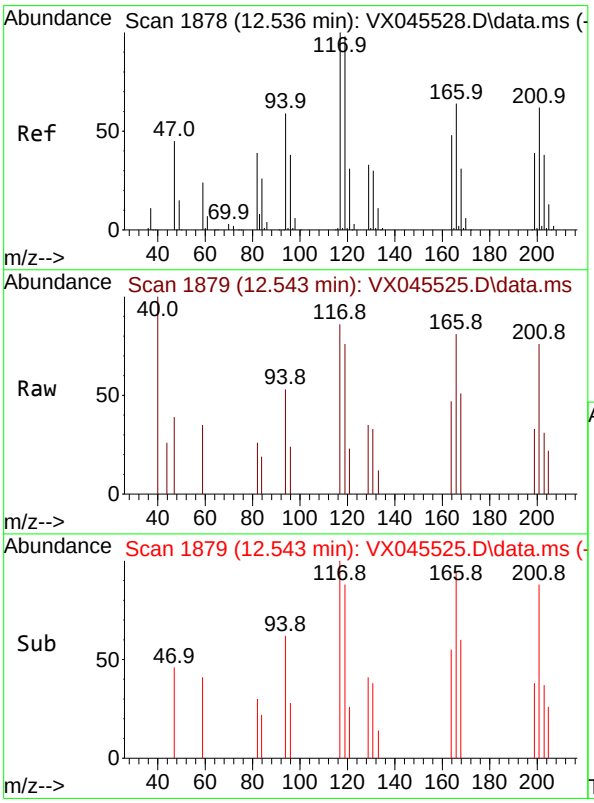
#89
n-Butylbenzene
Concen: 0.735 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2587

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	11.9	35.7

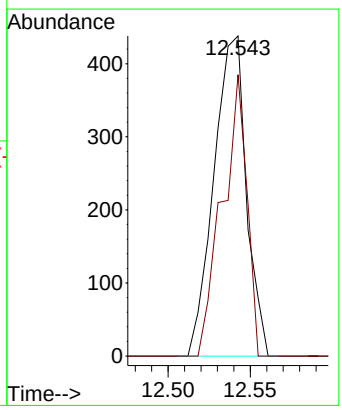


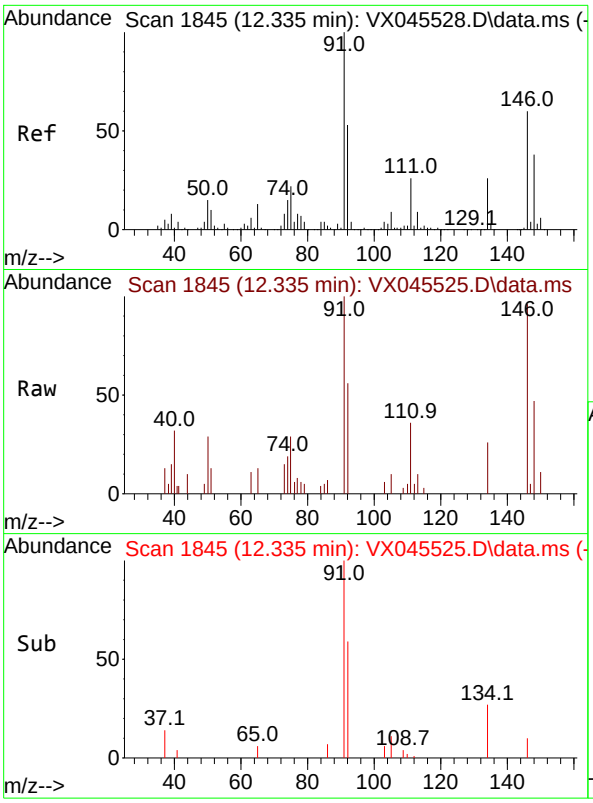


#90
Hexachloroethane
Concen: 0.863 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 602

Ion	Ratio	Lower	Upper
117	100		
201	66.3	31.2	93.6



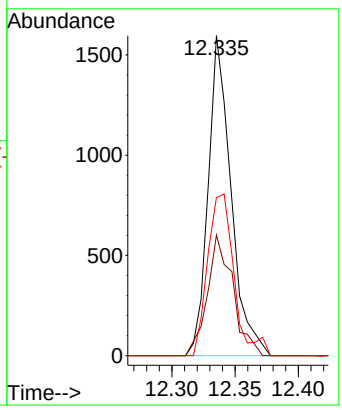


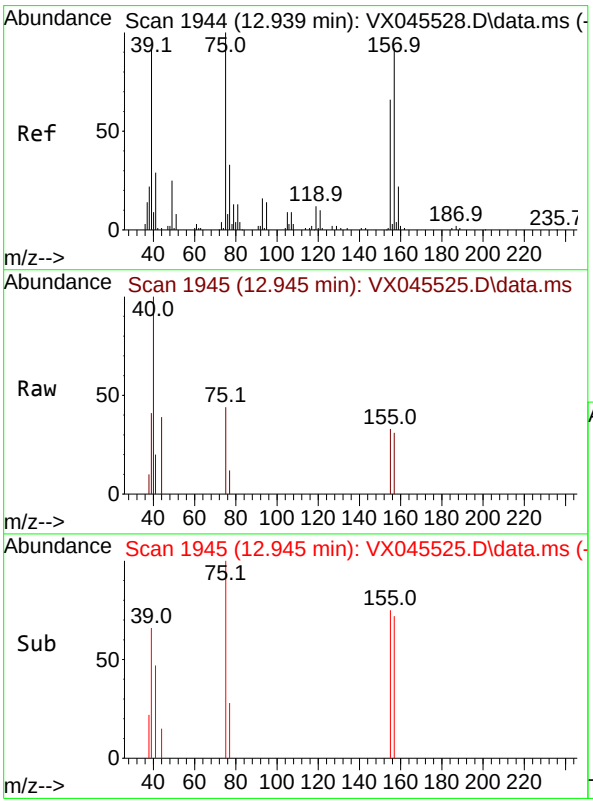
#91
1,2-Dichlorobenzene
Concen: 0.981 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2009

Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.9	68.8
148	58.2	31.9	95.5

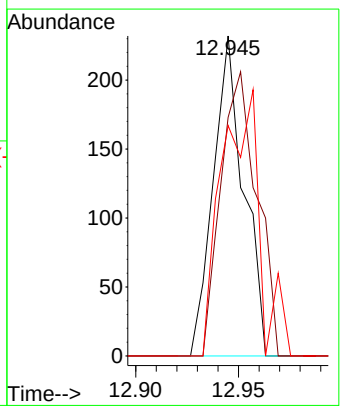


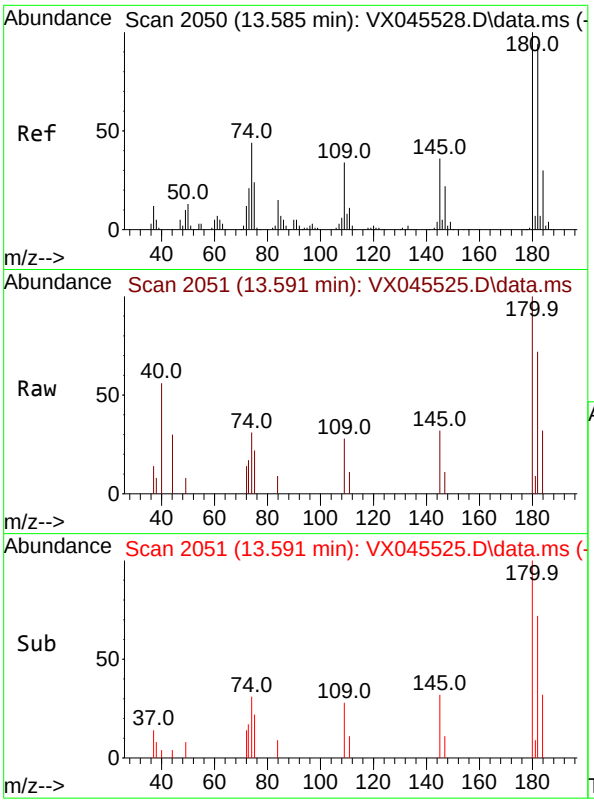


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.665 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 239

Ion	Ratio	Lower	Upper
75	100		
155	105.4	34.9	104.7#
157	103.8	44.9	134.7



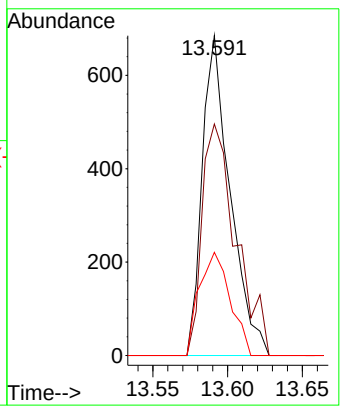


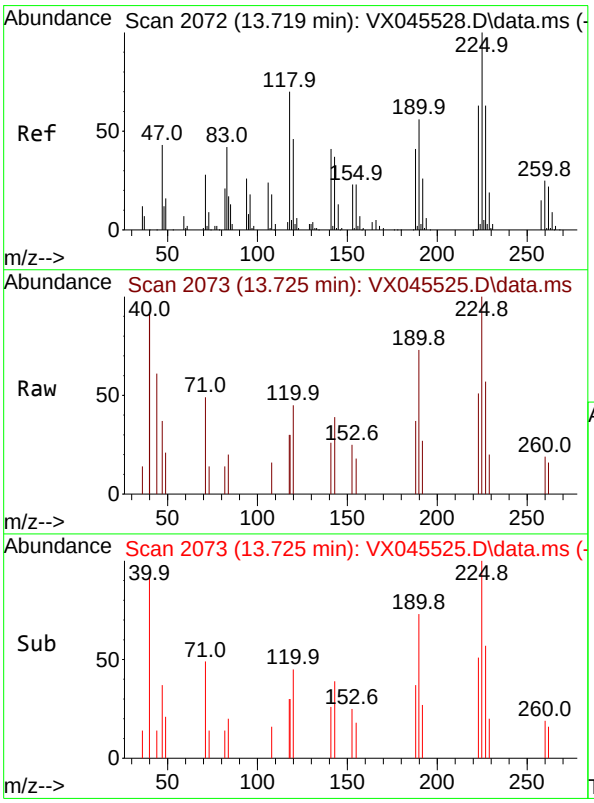
#93
1,2,4-Trichlorobenzene
Concen: 0.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 888

Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.9	143.6
145	35.8	17.9	53.8

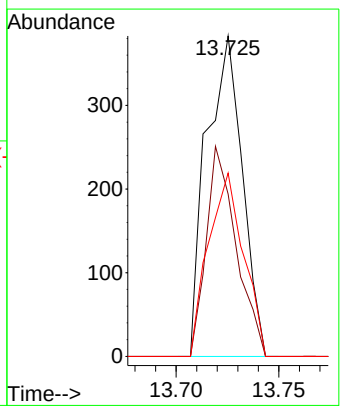


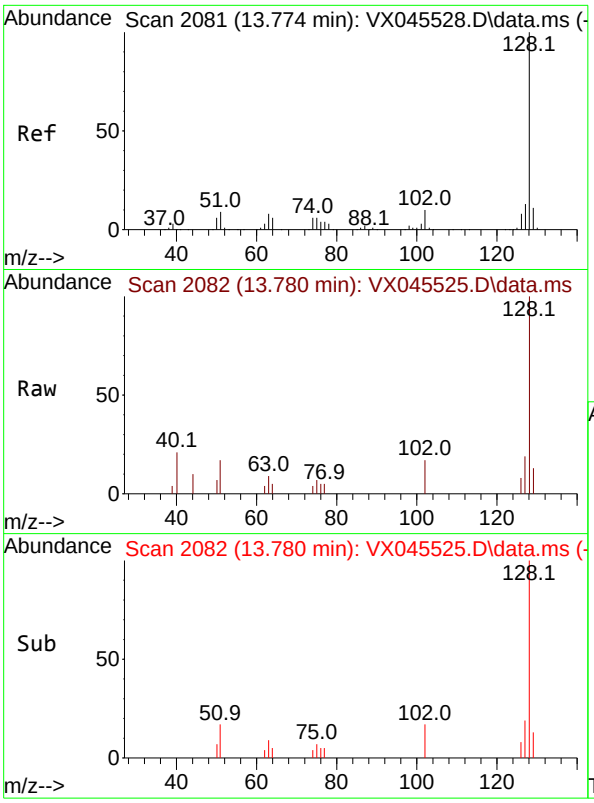


#94
Hexachlorobutadiene
Concen: 0.943 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:225 Resp: 463

Ion	Ratio	Lower	Upper
225	100		
223	54.9	31.1	93.3
227	56.4	32.2	96.6



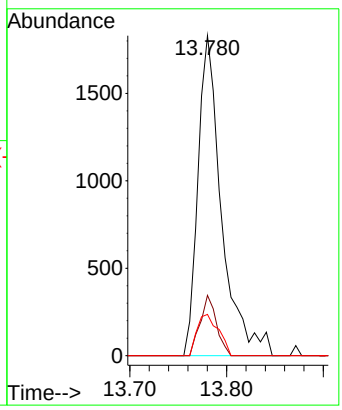


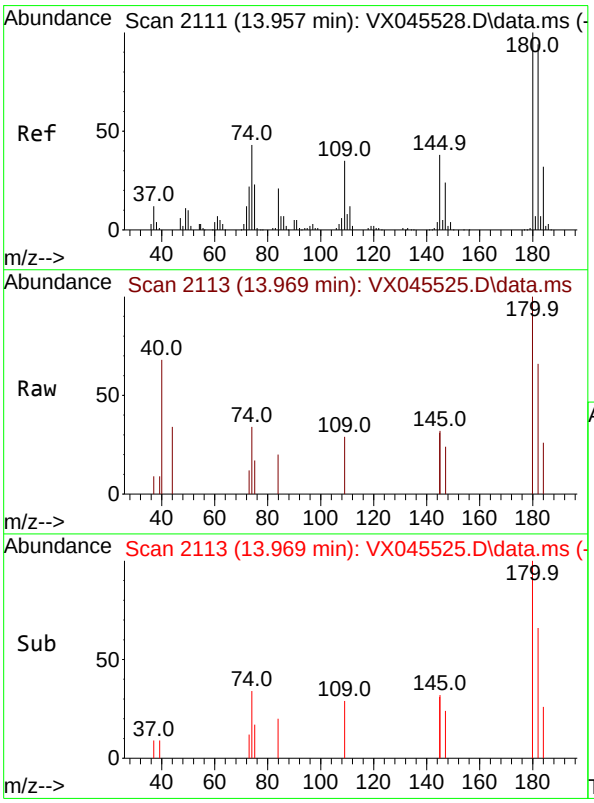
#95
Naphthalene
Concen: 0.733 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3109

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	8.6	12.8

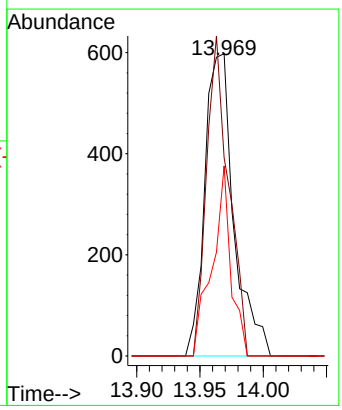




#96
1,2,3-Trichlorobenzene
Concen: 0.801 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 956

Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.3	141.8
145	40.4	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8969	5.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.520%#		
35) Dibromofluoromethane	5.391	113	6181	5.244	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.480%#		
50) Toluene-d8	8.647	98	20890	5.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.160%#		
62) 4-Bromofluorobenzene	11.079	95	6867	4.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6482	4.649	ug/l	91
3) Chloromethane	1.307	50	6846	4.779	ug/l	99
4) Vinyl Chloride	1.374	62	6169	4.706	ug/l	100
5) Bromomethane	1.593	94	3185	5.124	ug/l	90
6) Chloroethane	1.666	64	3703	5.324	ug/l	96
7) Trichlorofluoromethane	1.874	101	9316	4.766	ug/l	94
8) Diethyl Ether	2.136	74	3171	4.832	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	5589	4.879	ug/l	99
10) Methyl Iodide	2.447	142	6574	4.601	ug/l	97
11) Tert butyl alcohol	2.983	59	5186	22.633	ug/l	99
12) 1,1-Dichloroethene	2.313	96	5485	4.901	ug/l	90
13) Acrolein	2.239	56	8202	25.993	ug/l	97
14) Allyl chloride	2.654	41	9960	4.690	ug/l	95
15) Acrylonitrile	3.069	53	17811	24.624	ug/l	97
16) Acetone	2.386	43	17188	24.550	ug/l	99
17) Carbon Disulfide	2.502	76	12376	4.477	ug/l #	93
18) Methyl Acetate	2.703	43	8042	4.989	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	18314	4.677	ug/l	100
20) Methylene Chloride	2.782	84	6481	4.945	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	5534	4.840	ug/l	95
22) Diisopropyl ether	3.764	45	19765	4.725	ug/l #	82
23) Vinyl Acetate	3.721	43	78907	21.831	ug/l	98
24) 1,1-Dichloroethane	3.605	63	11562	4.887	ug/l	98
25) 2-Butanone	4.574	43	25026	24.419	ug/l	99
26) 2,2-Dichloropropane	4.477	77	7054	4.615	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	6485	4.655	ug/l	95
28) Bromochloromethane	4.898	49	5666	4.956	ug/l	95
29) Tetrahydrofuran	5.013	42	15913	23.950	ug/l	100
30) Chloroform	5.087	83	12200	5.012	ug/l	99
31) Cyclohexane	5.465	56	9731	4.653	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	9811	4.763	ug/l	99
36) 1,1-Dichloropropene	5.690	75	7354	4.621	ug/l	98
37) Ethyl Acetate	4.721	43	9384	4.679	ug/l #	91
38) Carbon Tetrachloride	5.666	117	8264	4.804	ug/l	99
39) Methylcyclohexane	7.379	83	8757	4.489	ug/l	95
40) Benzene	6.038	78	23522	4.839	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	4593	4.302	ug/l		92
42) 1,2-Dichloroethane	6.092	62	9713	4.838	ug/l		100
43) Isopropyl Acetate	6.348	43	13803	4.541	ug/l		97
44) Trichloroethene	7.129	130	5355	4.635	ug/l		99
45) 1,2-Dichloropropane	7.434	63	6060	4.997	ug/l		99
46) Dibromomethane	7.580	93	4767	5.120	ug/l		99
47) Bromodichloromethane	7.818	83	8619	4.636	ug/l	#	97
48) Methyl methacrylate	7.696	41	6908	4.401	ug/l		98
49) 1,4-Dioxane	7.665	88	3205	112.864	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	48050	23.844	ug/l		97
52) Toluene	8.714	92	14391	4.893	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	6643	5.834	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	7873	4.506	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	5741	4.898	ug/l		90
56) Ethyl methacrylate	9.116	69	8012	4.417	ug/l		95
57) 1,3-Dichloropropane	9.305	76	10208	5.002	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	21382	23.302	ug/l		99
59) 2-Hexanone	9.433	43	35628	23.875	ug/l		99
60) Dibromochloromethane	9.519	129	5855	4.582	ug/l		99
61) 1,2-Dibromoethane	9.610	107	5837	4.920	ug/l		98
64) Tetrachloroethene	9.275	164	5373	5.287	ug/l		93
65) Chlorobenzene	10.073	112	15178	4.935	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	4945	4.631	ug/l		97
67) Ethyl Benzene	10.195	91	26180	4.753	ug/l		97
68) m/p-Xylenes	10.299	106	19268	9.617	ug/l		99
69) o-Xylene	10.640	106	9735	4.932	ug/l		99
70) Styrene	10.653	104	15017	4.610	ug/l		96
71) Bromoform	10.799	173	3634	4.558	ug/l	#	95
73) Isopropylbenzene	10.964	105	24604	4.806	ug/l		100
74) N-amyl acetate	10.848	43	10750	4.390	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	9127	5.075	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	9211	5.909	ug/l		92
77) Bromobenzene	11.195	156	5927	5.011	ug/l		97
78) n-propylbenzene	11.305	91	27777	4.711	ug/l		98
79) 2-Chlorotoluene	11.360	91	18358	4.870	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	19936	4.710	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	1752	3.814	ug/l		85
82) 4-Chlorotoluene	11.457	91	20171	4.799	ug/l		99
83) tert-Butylbenzene	11.713	119	19962	4.763	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	19998	4.707	ug/l		99
85) sec-Butylbenzene	11.890	105	24465	4.753	ug/l		100
86) p-Isopropyltoluene	12.006	119	20178	4.755	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10255	4.763	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	11016	5.047	ug/l		93
89) n-Butylbenzene	12.329	91	15887	4.317	ug/l		98
90) Hexachloroethane	12.536	117	3151	4.320	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	10510	4.910	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1661	4.417	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	5391	4.524	ug/l		95
94) Hexachlorobutadiene	13.719	225	2483	4.836	ug/l		98
95) Naphthalene	13.774	128	19618	4.424	ug/l		97
96) 1,2,3-Trichlorobenzene	13.957	180	5854	4.692	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

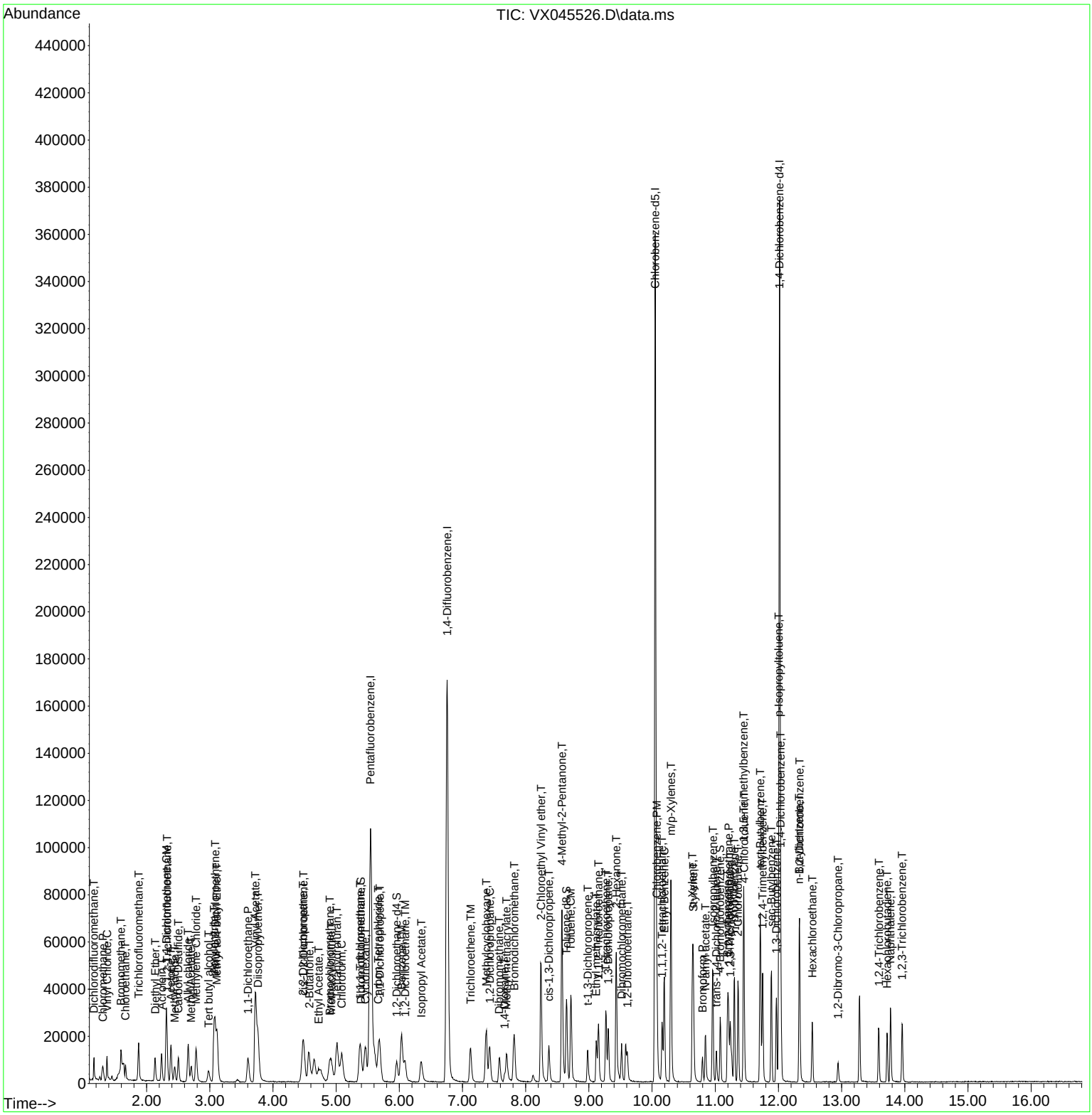
(#) = qualifier out of range (m) = manual integration (+) = signals summed

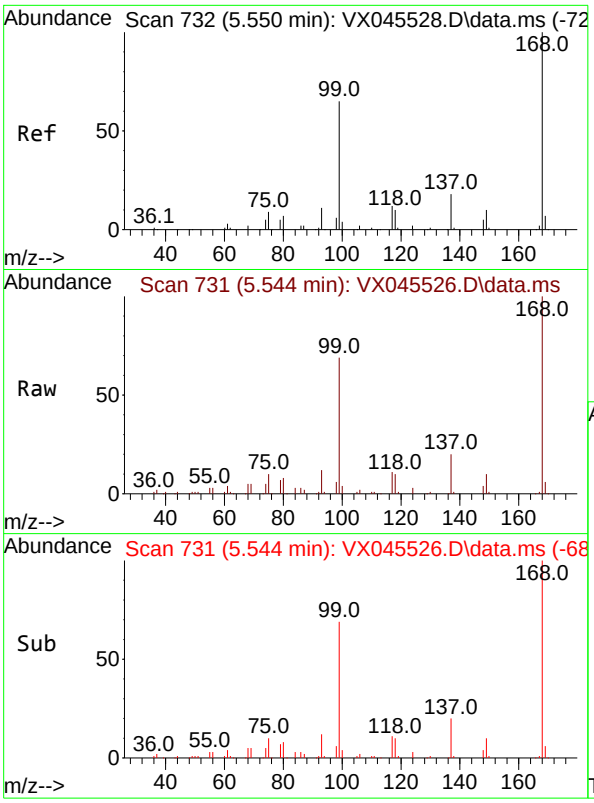
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



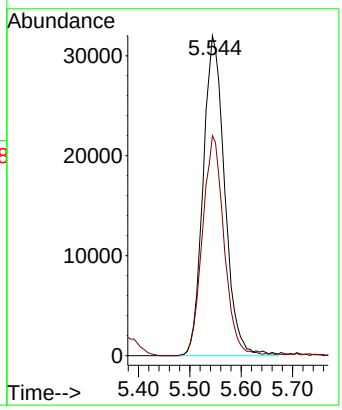


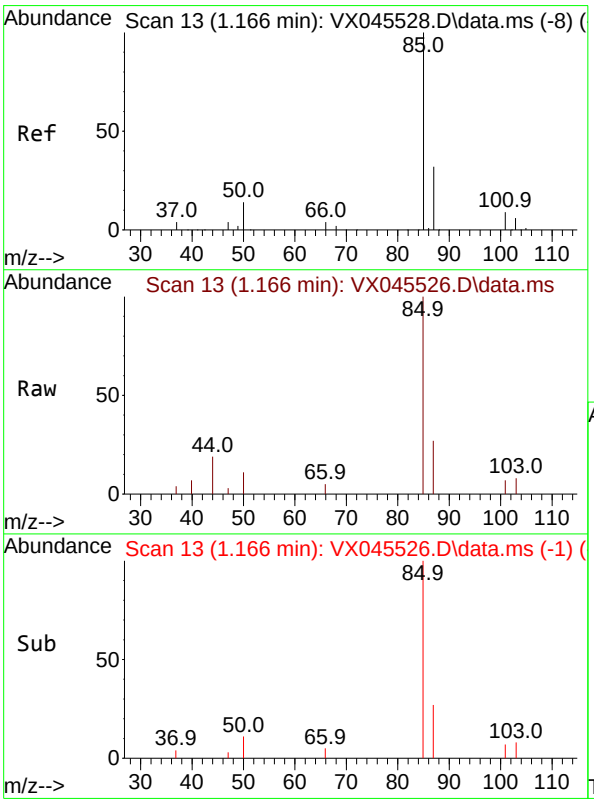
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 93234

Ion	Ratio	Lower	Upper
168	100		
99	68.8	52.3	78.5

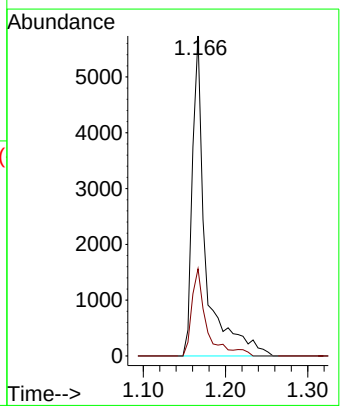


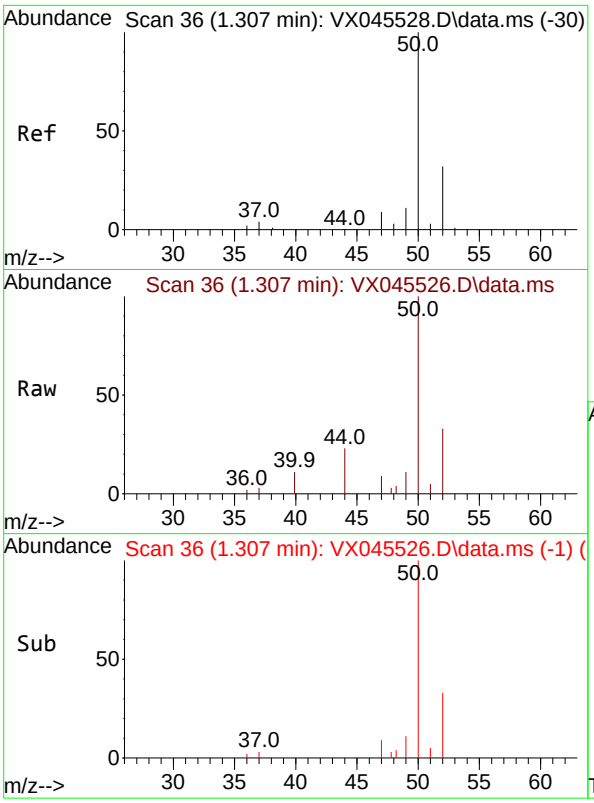


#2
Dichlorodifluoromethane
Concen: 4.649 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 85 Resp: 6482

Ion	Ratio	Lower	Upper
85	100		
87	27.3	16.1	48.2



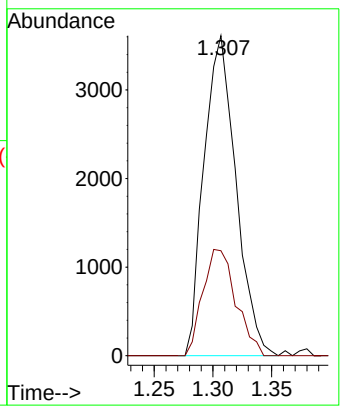


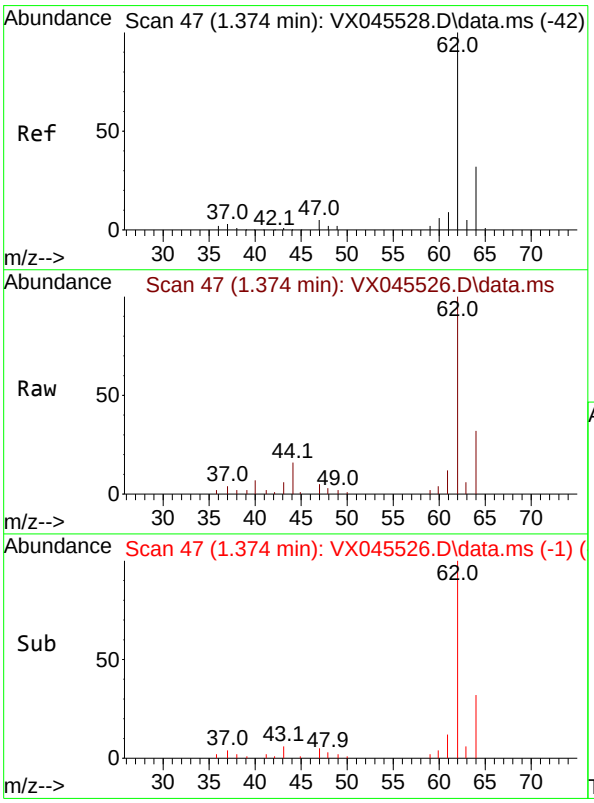
#3
Chloromethane
Concen: 4.779 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 6846

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9

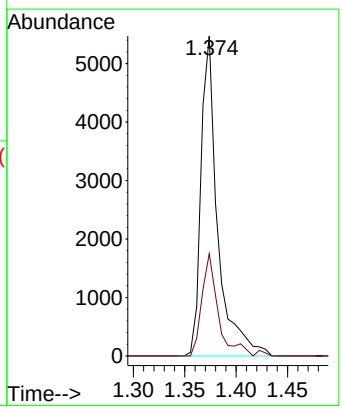


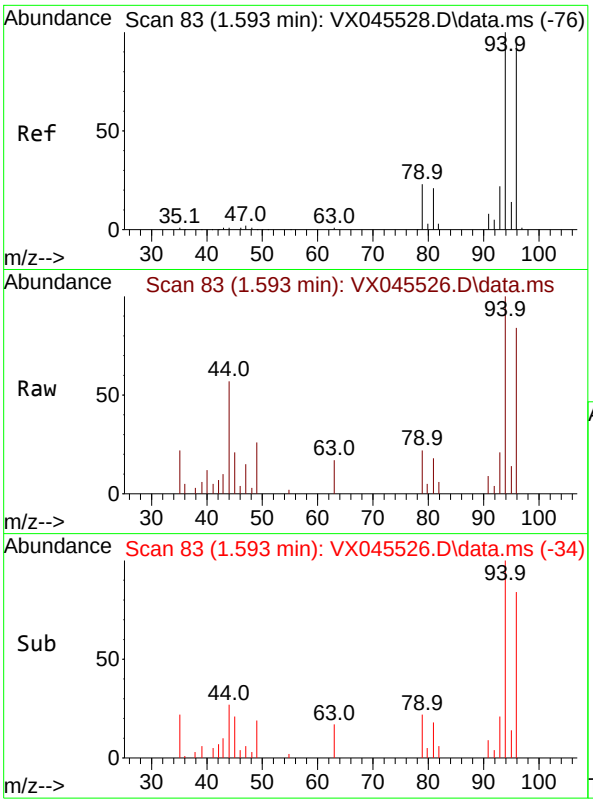


#4
Vinyl Chloride
Concen: 4.706 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 6169

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3



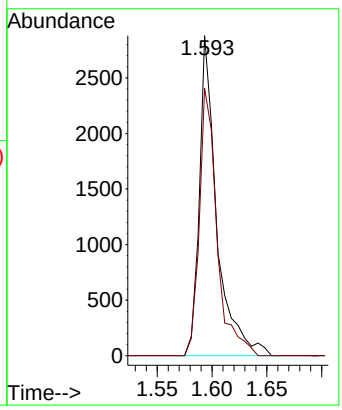


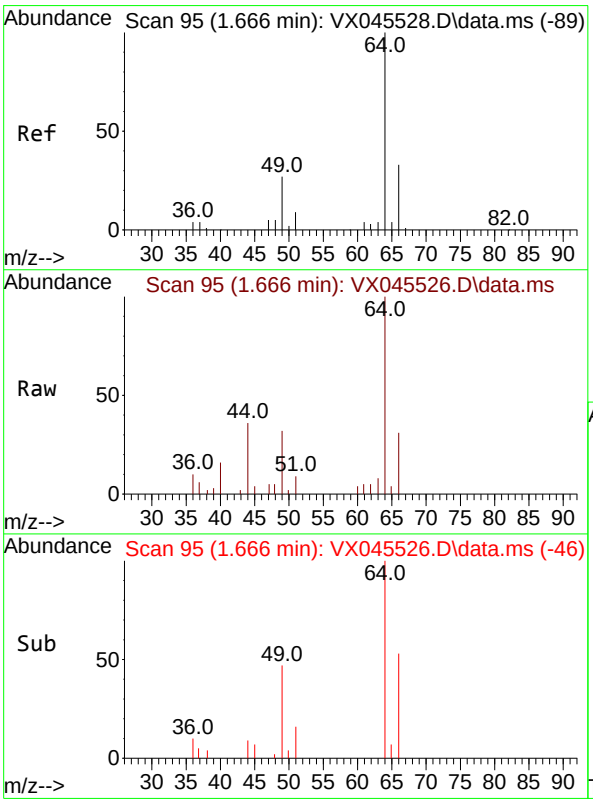
#5
Bromomethane
Concen: 5.124 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3185

Ion	Ratio	Lower	Upper
94	100		
96	83.6	74.8	112.2

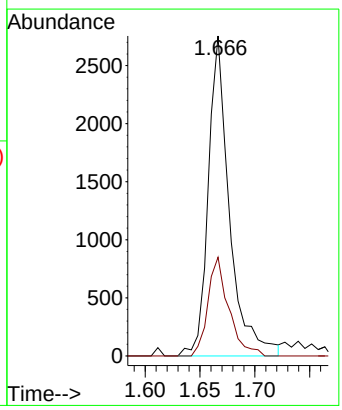


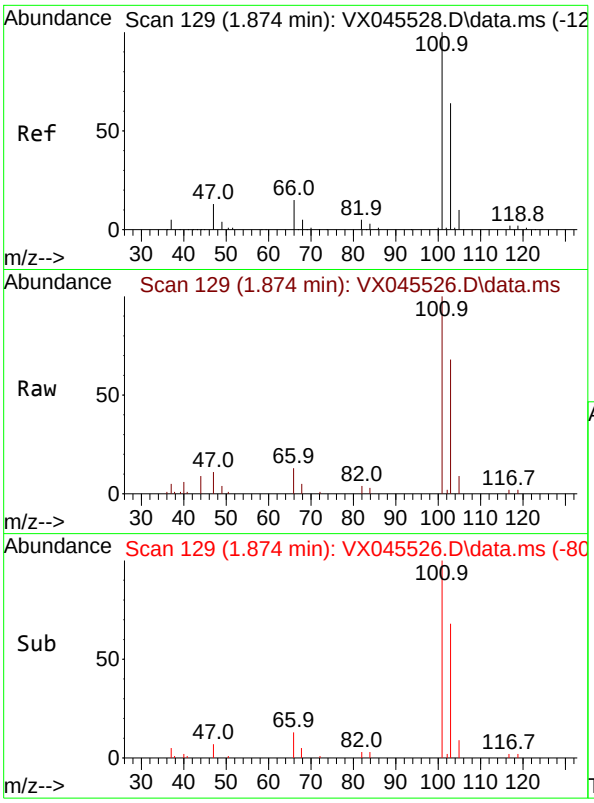


#6
Chloroethane
Concen: 5.324 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 64 Resp: 3703

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.3	39.5



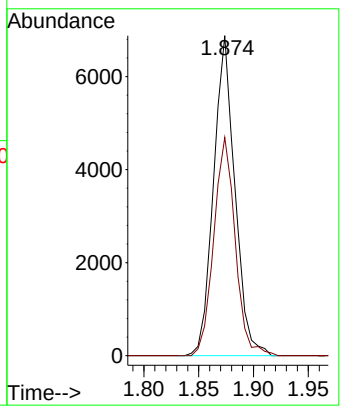


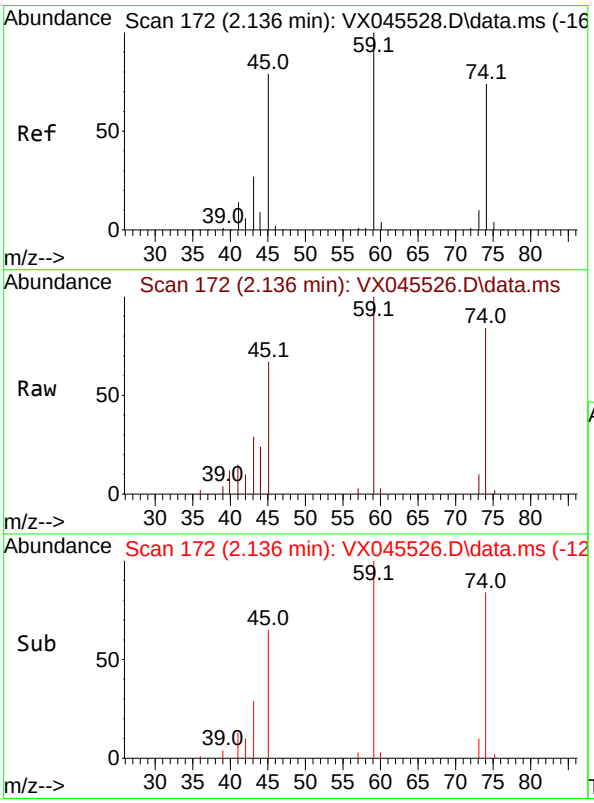
#7
Trichlorofluoromethane
Concen: 4.766 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9316

Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.1	76.7

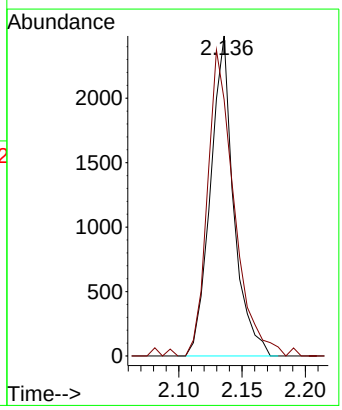


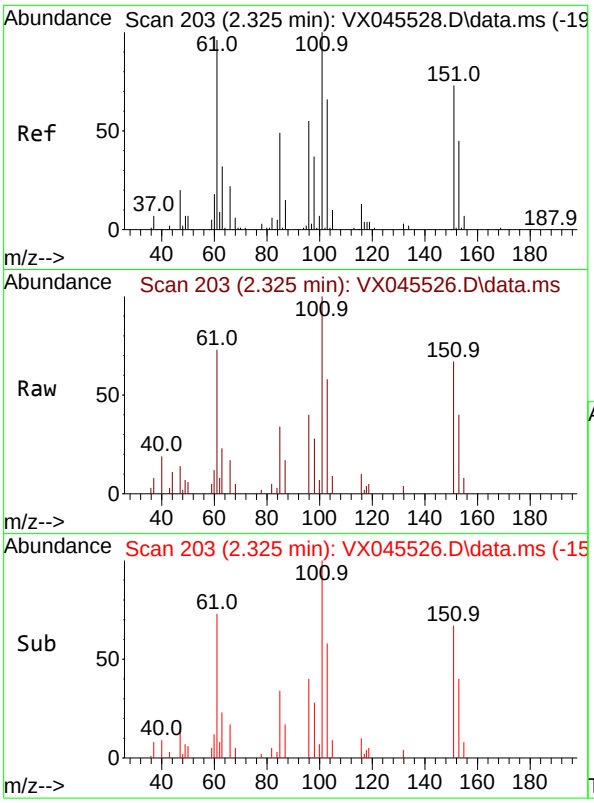


#8
Diethyl Ether
Concen: 4.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 74 Resp: 3171

Ion	Ratio	Lower	Upper
74	100		
45	110.2	53.0	159.1



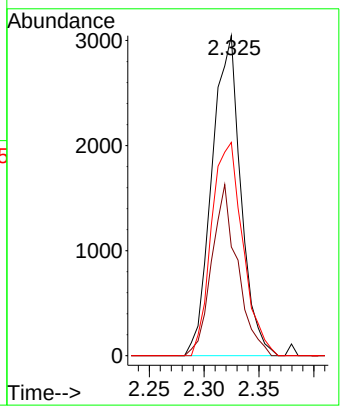


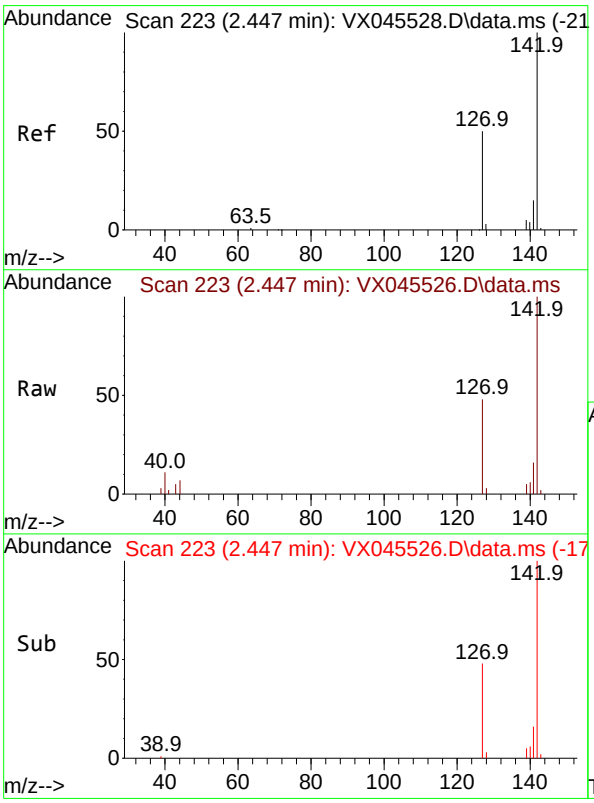
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.879 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 5589

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	72.4	57.5	86.3

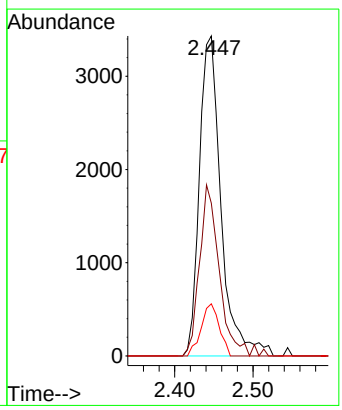


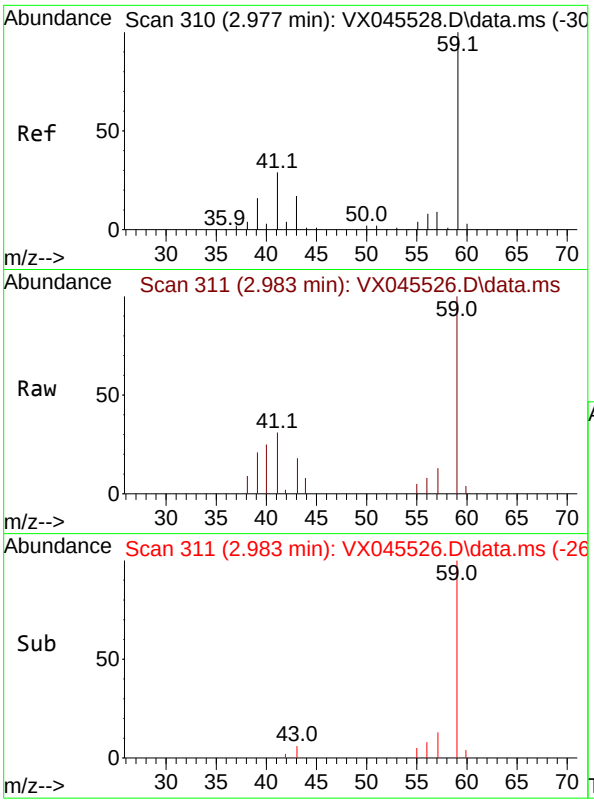


#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:142 Resp: 6574

Ion	Ratio	Lower	Upper
142	100		
127	48.4	40.2	60.4
141	13.7	11.7	17.5



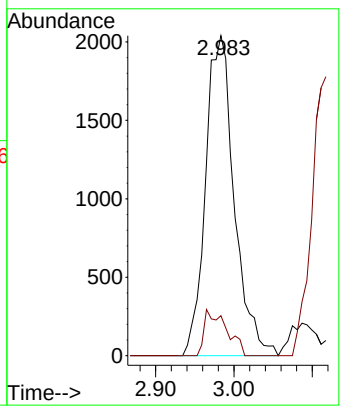


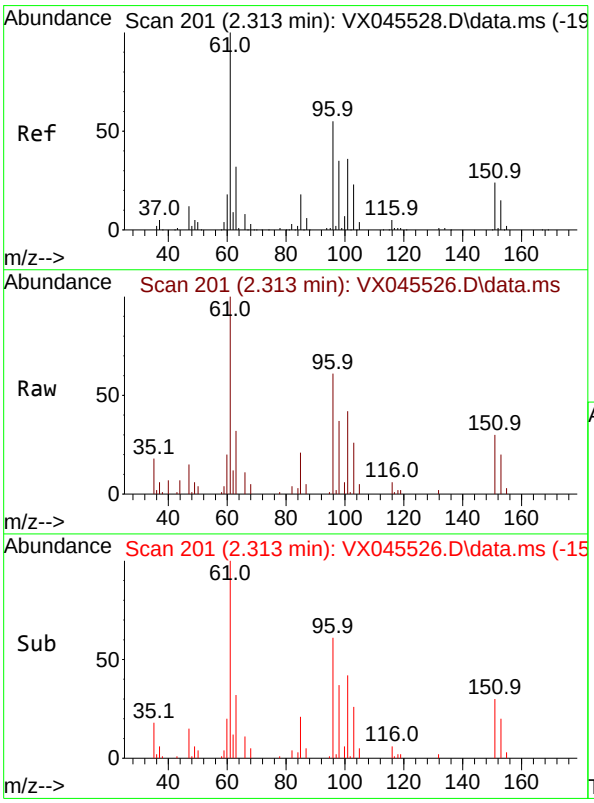
#11
Tert butyl alcohol
Concen: 22.633 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5186

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

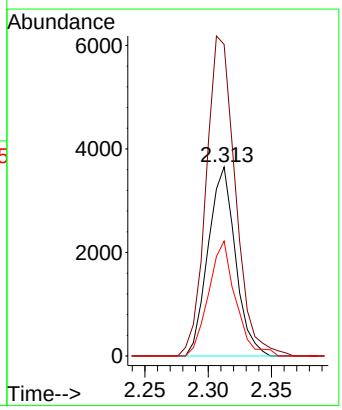


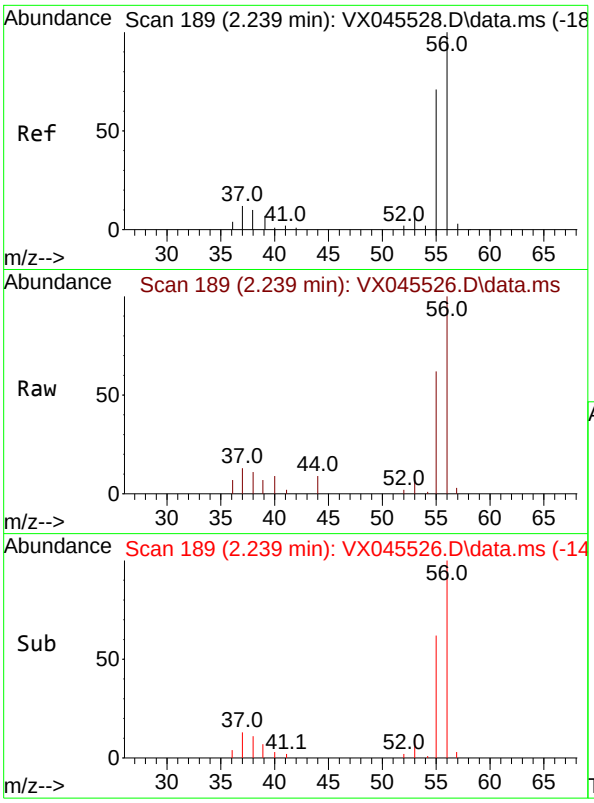


#12
1,1-Dichloroethene
Concen: 4.901 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 5485

Ion	Ratio	Lower	Upper
96	100		
61	164.9	145.7	218.5
98	60.8	51.6	77.4



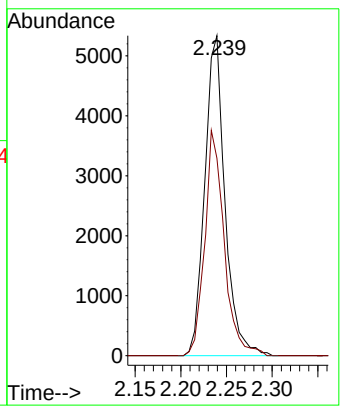


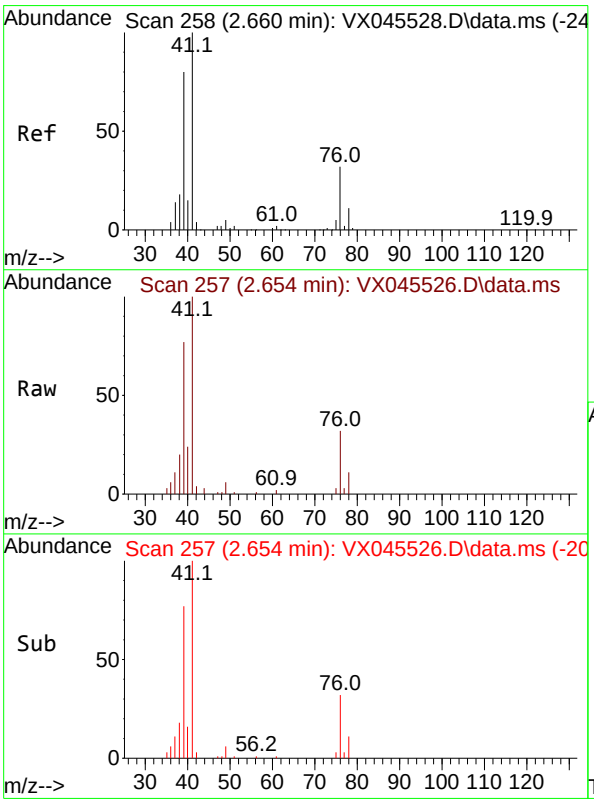
#13
Acrolein
Concen: 25.993 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8202

Ion	Ratio	Lower	Upper
56	100		
55	67.9	56.2	84.2

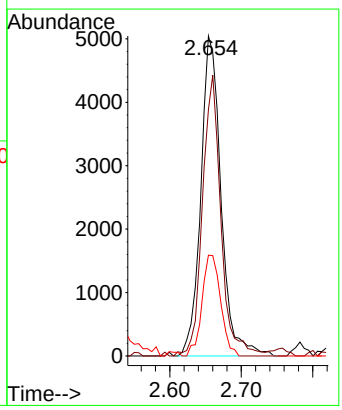


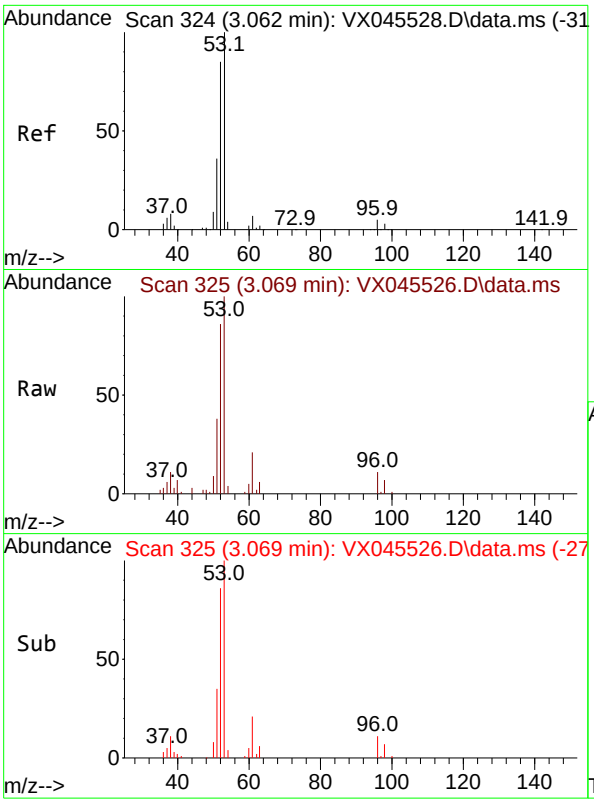


#14
Allyl chloride
Concen: 4.690 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 9960

Ion	Ratio	Lower	Upper
41	100		
39	79.8	60.2	90.2
76	28.8	24.6	36.8



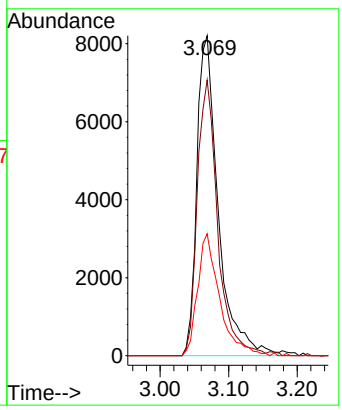


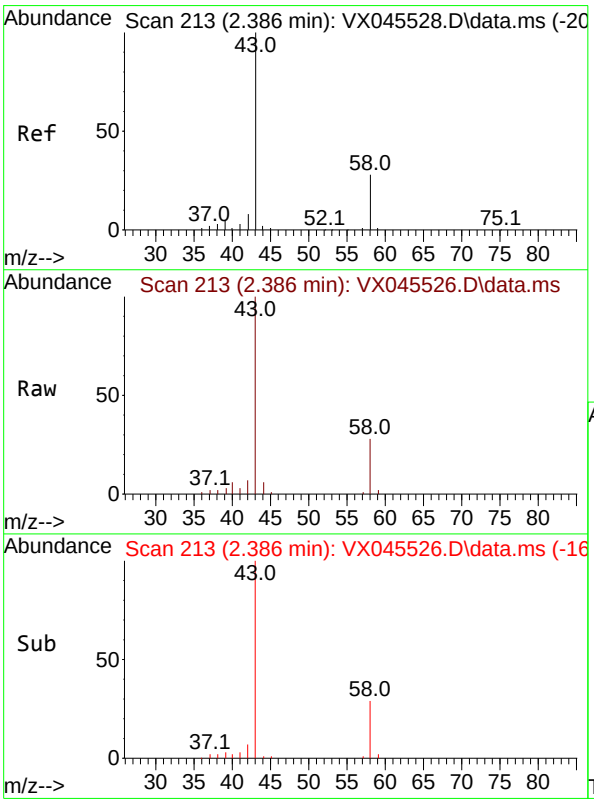
#15
Acrylonitrile
Concen: 24.624 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 17811

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.2
51	39.3	29.9	44.9

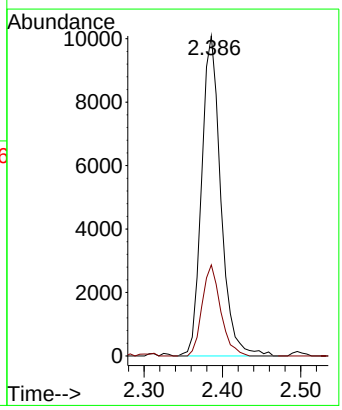


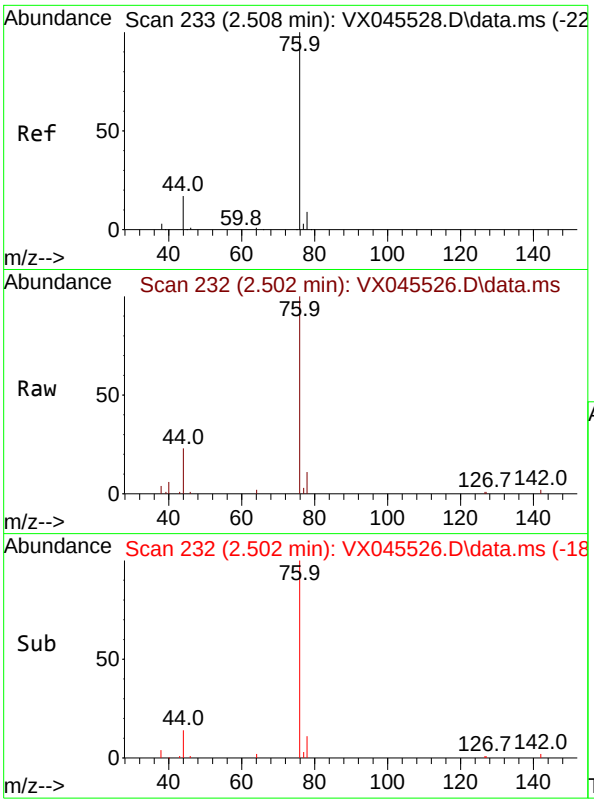


#16
Acetone
Concen: 24.550 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 17188

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.3	33.5



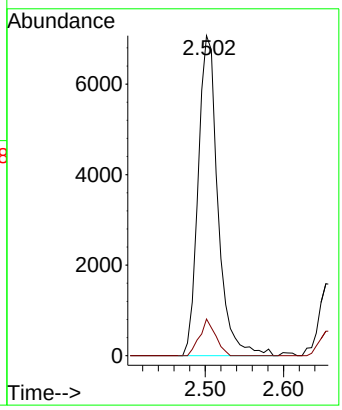


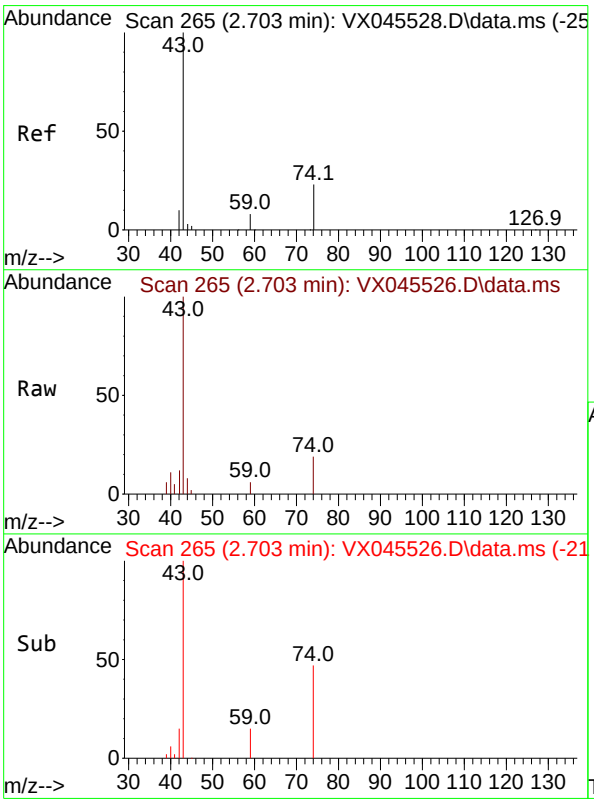
#17
Carbon Disulfide
Concen: 4.477 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12376

Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.0	10.6#

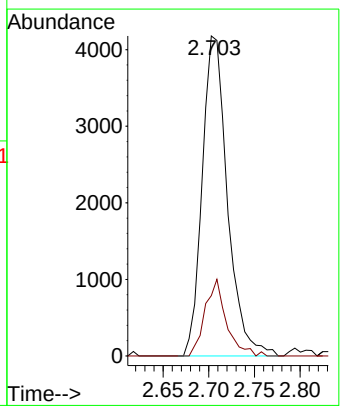


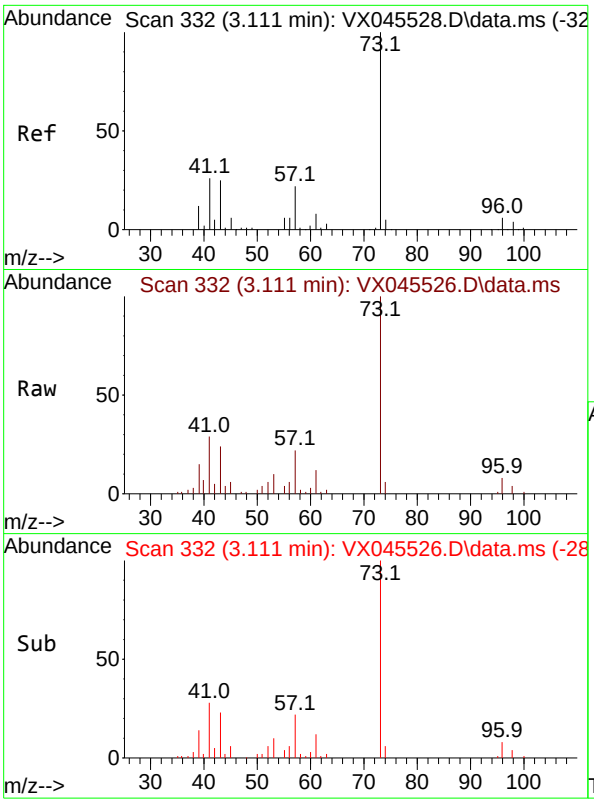


#18
Methyl Acetate
Concen: 4.989 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.5	26.3



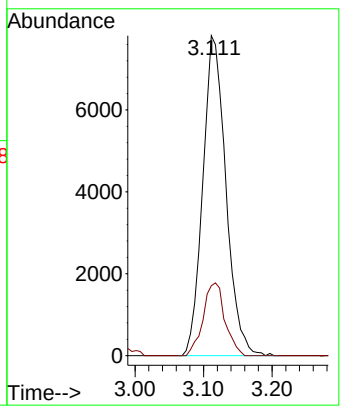


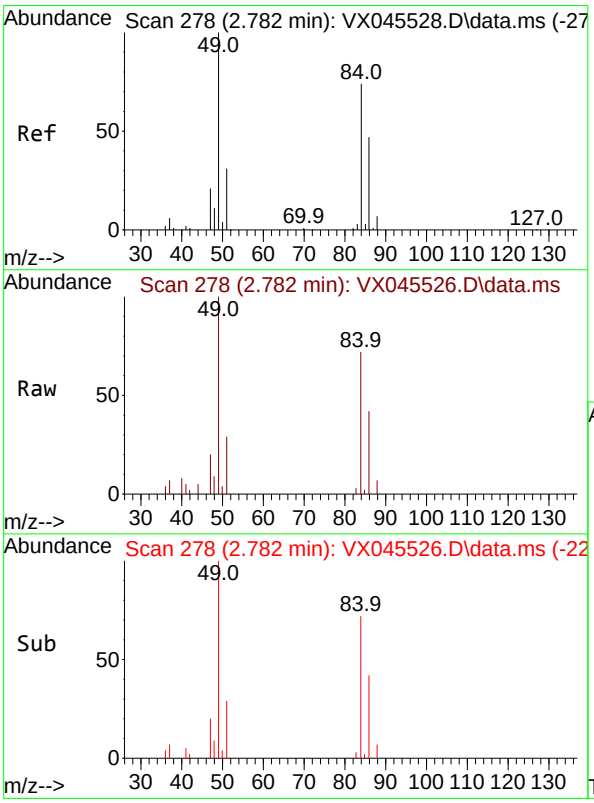
#19
Methyl tert-butyl Ether
Concen: 4.677 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 18314

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4

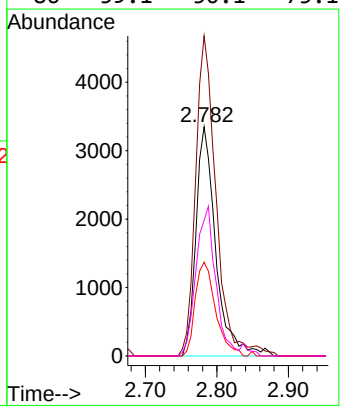


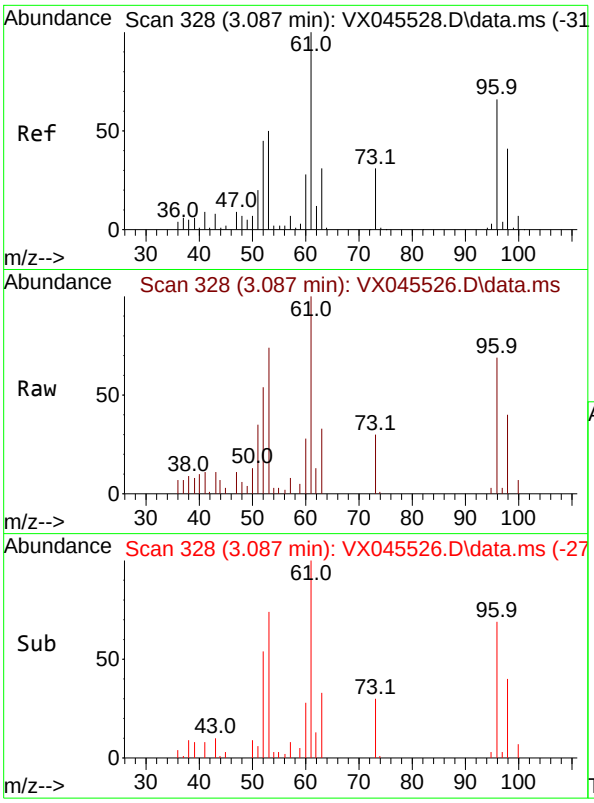


#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 84 Resp: 6481

Ion	Ratio	Lower	Upper
84	100		
49	139.6	107.5	161.3
51	40.9	33.0	49.6
86	59.1	50.1	75.1



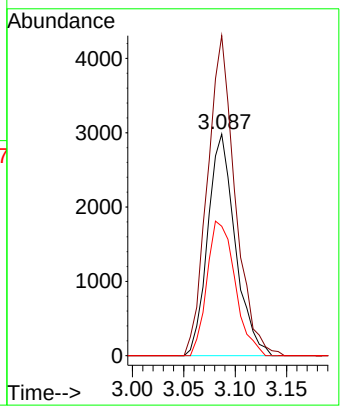


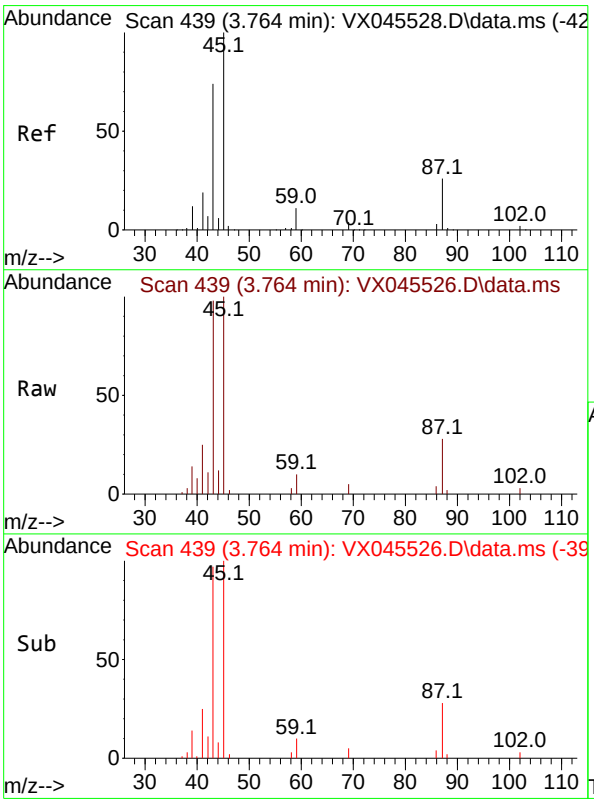
#21
trans-1,2-Dichloroethene
Concen: 4.840 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 5534

Ion	Ratio	Lower	Upper
96	100		
61	144.4	121.0	181.6
98	58.5	49.7	74.5

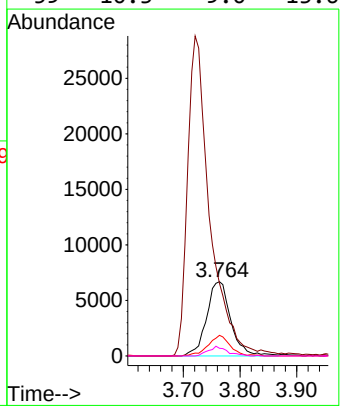


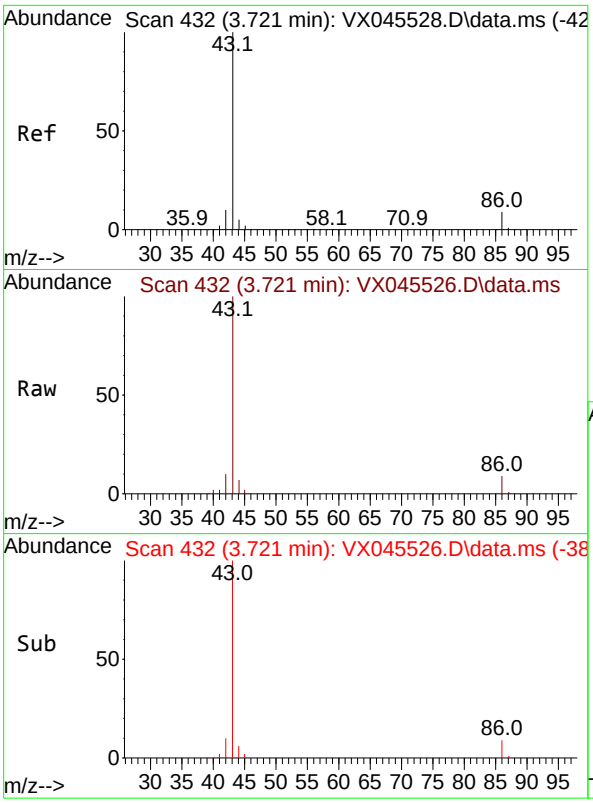


#22
Diisopropyl ether
Concen: 4.725 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 45 Resp: 19765

Ion	Ratio	Lower	Upper
45	100		
43	94.7	59.3	88.9#
87	27.8	20.4	30.6
59	10.3	9.0	13.6



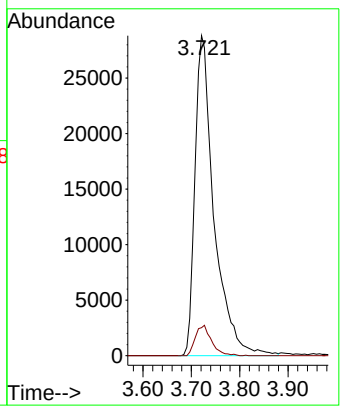


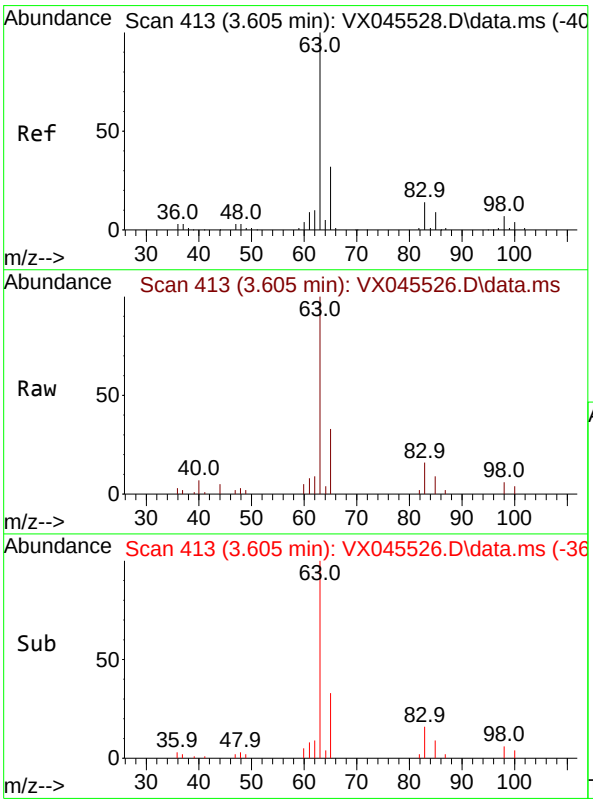
#23
Vinyl Acetate
Concen: 21.831 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 78907

Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.5	11.3

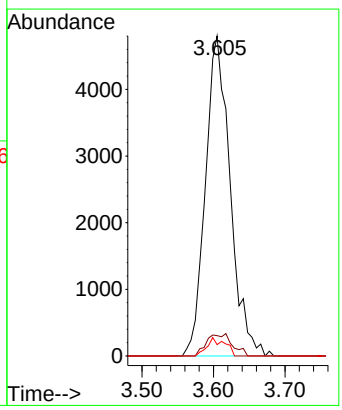


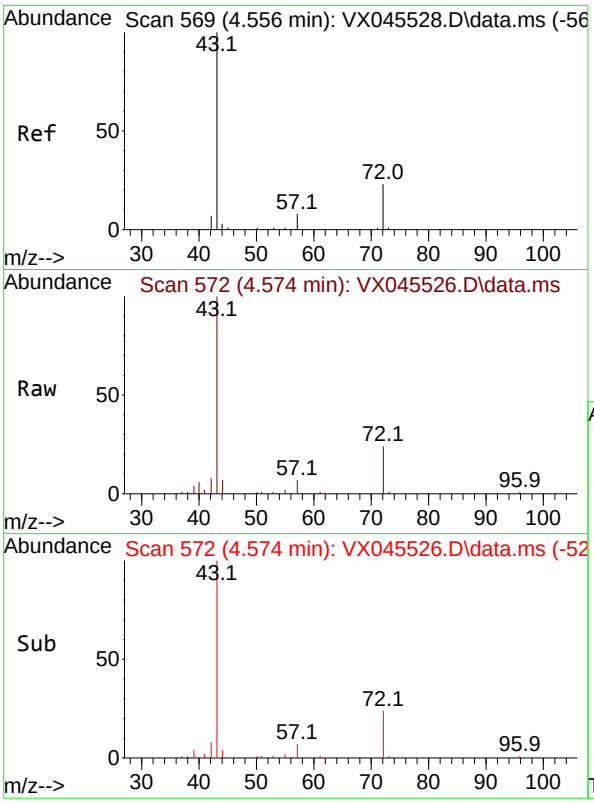


#24
1,1-Dichloroethane
Concen: 4.887 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 11562

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	3.6	2.2	6.6



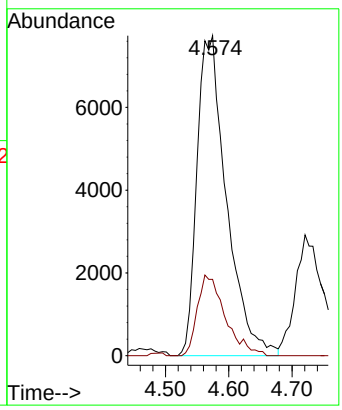


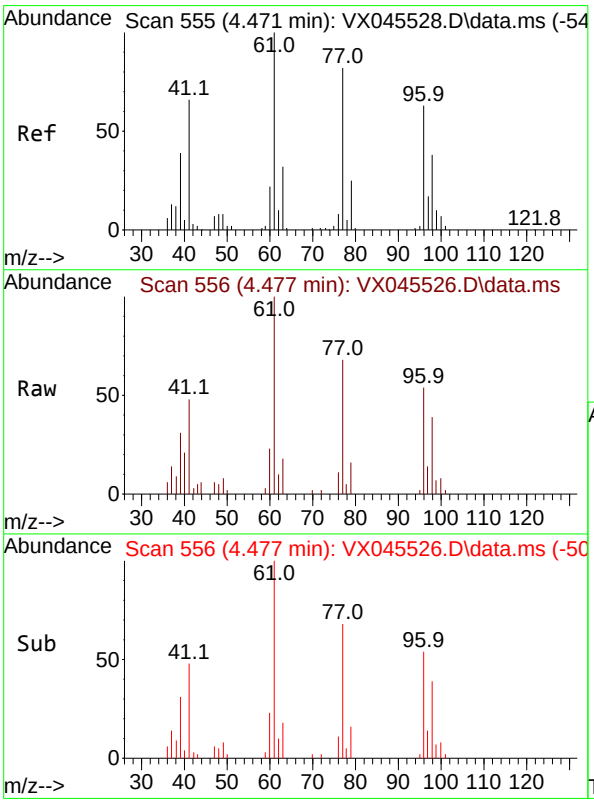
#25
2-Butanone
Concen: 24.419 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 25026

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0

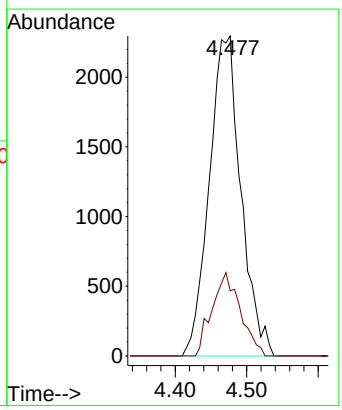


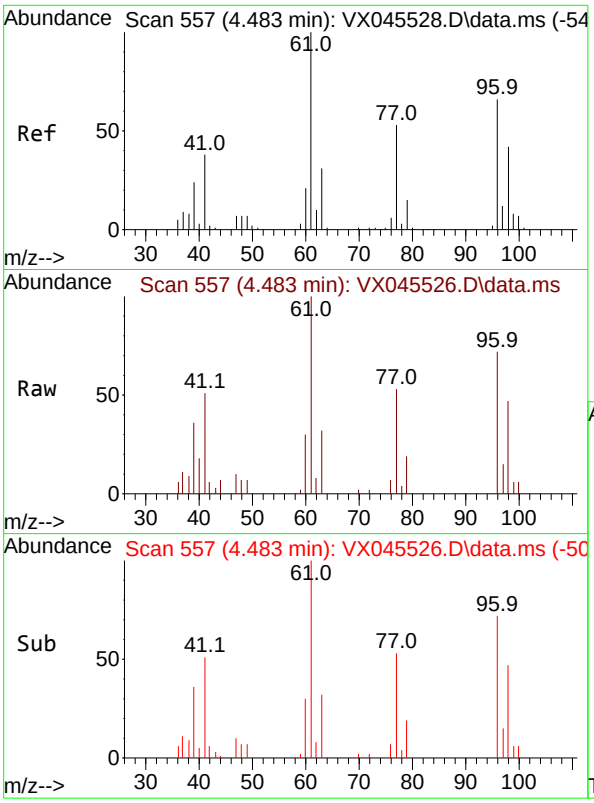


#26
2,2-Dichloropropane
Concen: 4.615 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 77 Resp: 7054

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.6	31.8



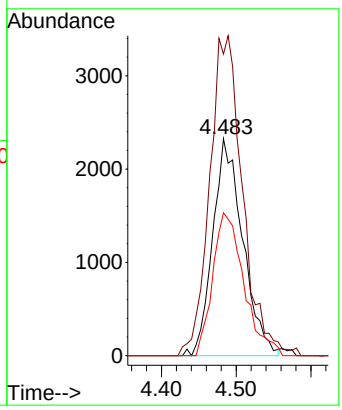


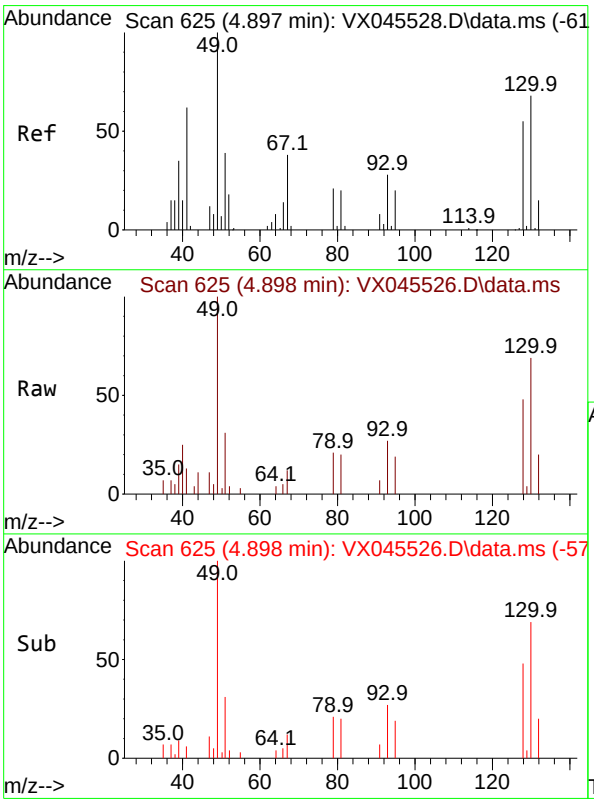
#27
cis-1,2-Dichloroethene
Concen: 4.655 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6485

Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	313.2
98	68.5	0.0	126.4

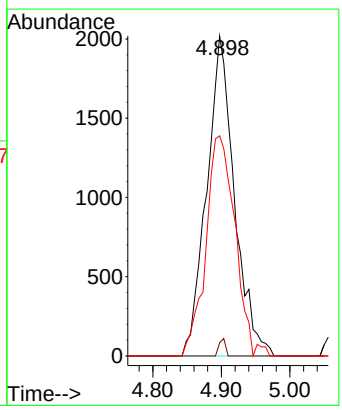


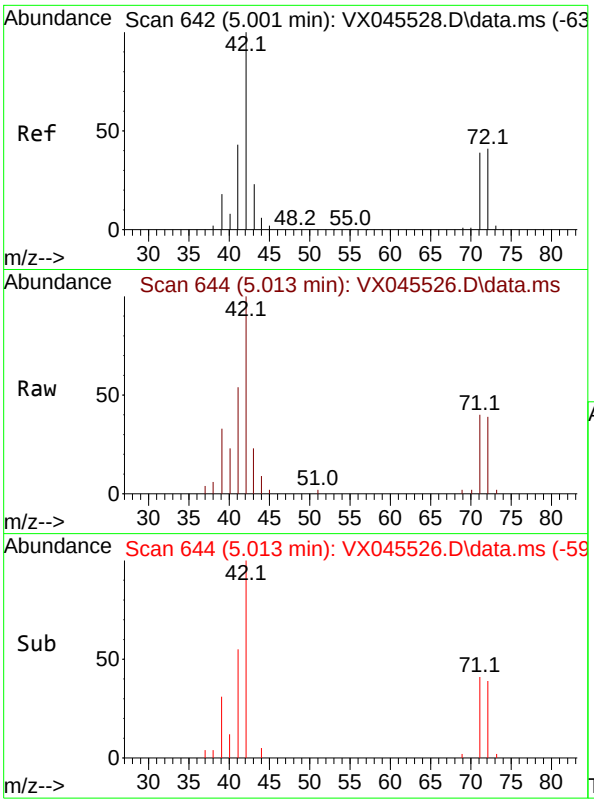


#28
Bromochloromethane
Concen: 4.956 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 49 Resp: 5666

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	72.2	54.6	81.8



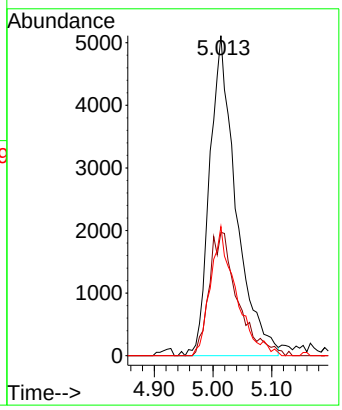


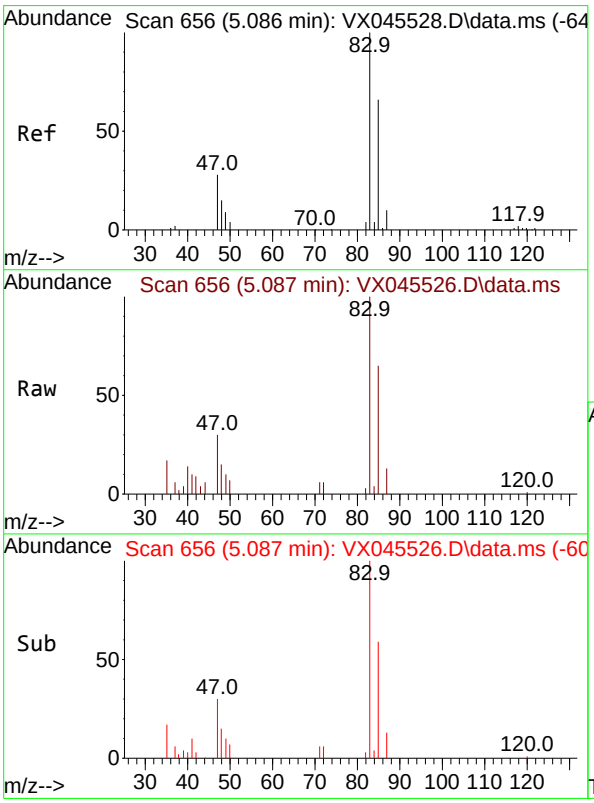
#29
Tetrahydrofuran
Concen: 23.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 15913

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.0
71	39.2	31.4	47.0

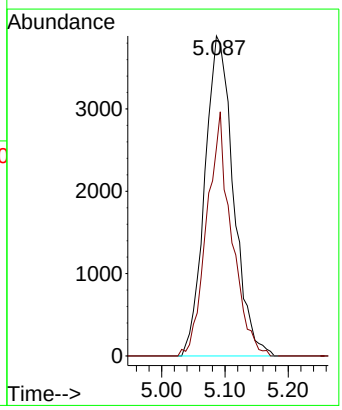


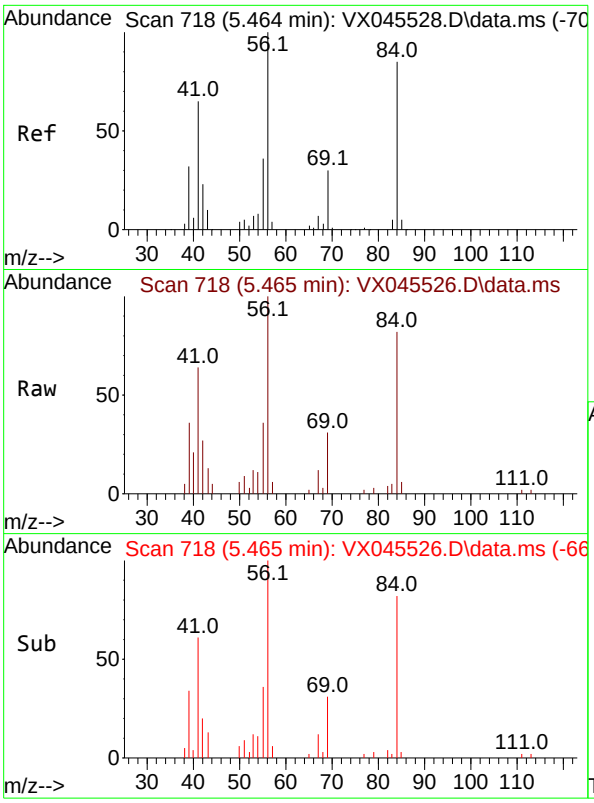


#30
Chloroform
Concen: 5.012 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 12200

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.8	79.2



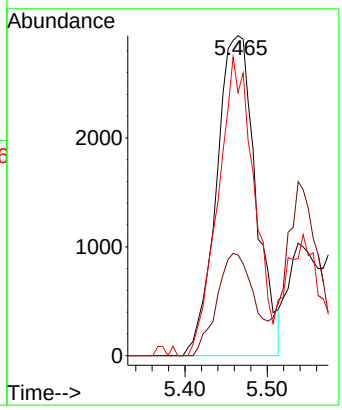


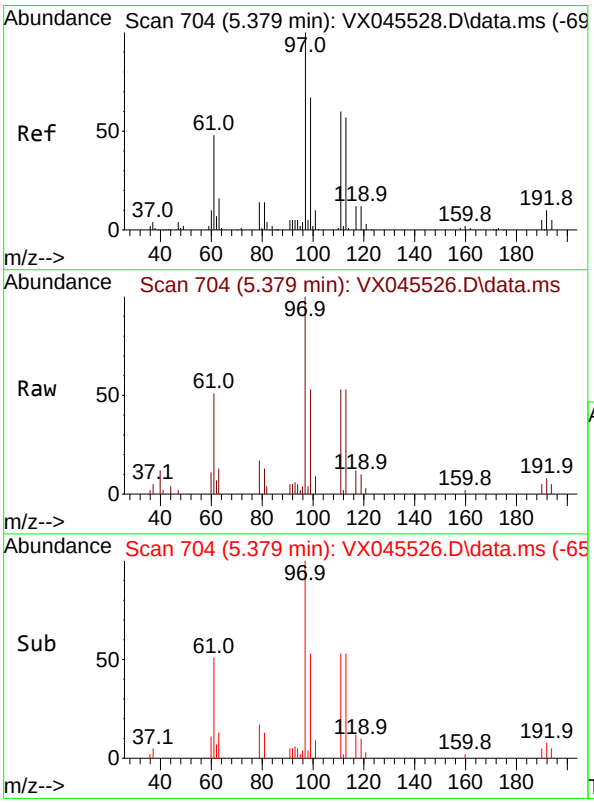
#31
Cyclohexane
Concen: 4.653 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9731

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.6	35.4
84	82.2	67.7	101.5

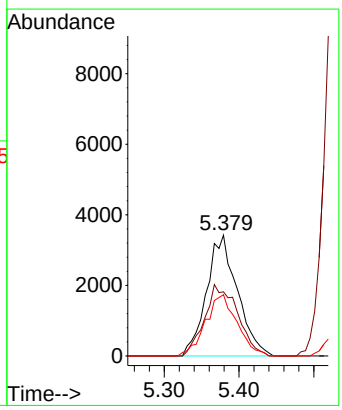


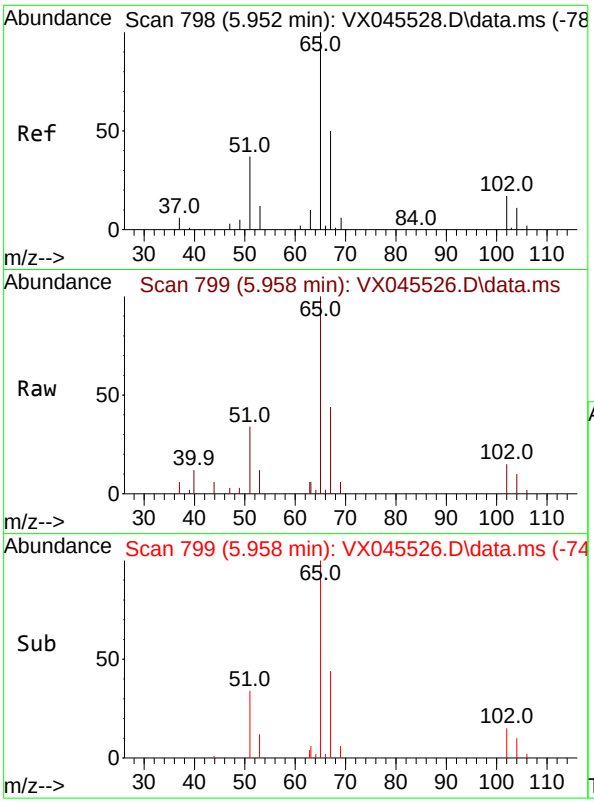


#32
1,1,1-Trichloroethane
Concen: 4.763 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 9811

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	52.0	41.0	61.4



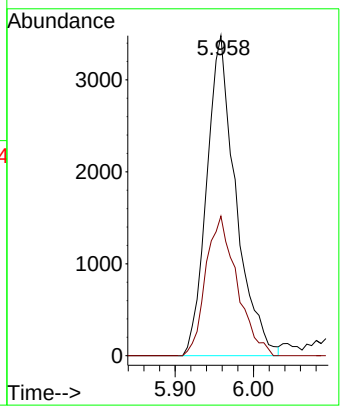


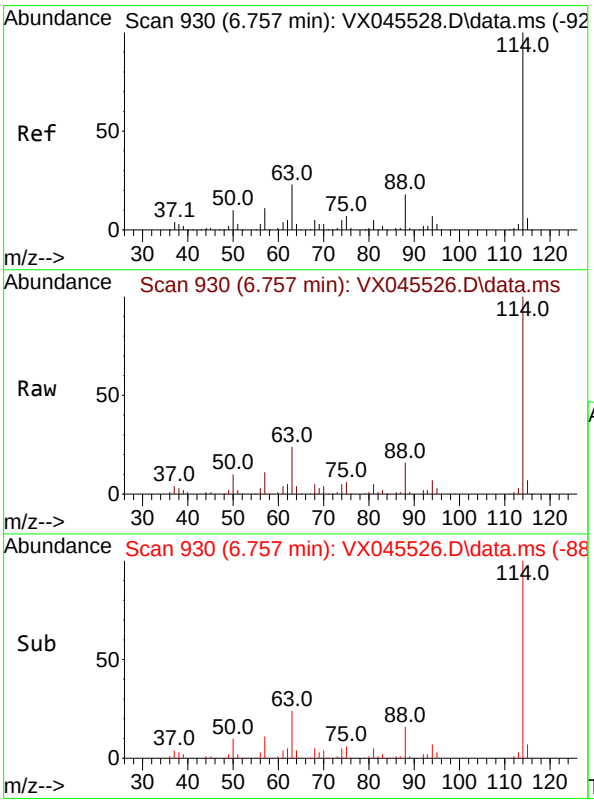
#33
1,2-Dichloroethane-d4
Concen: 5.260 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8969

Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	99.0

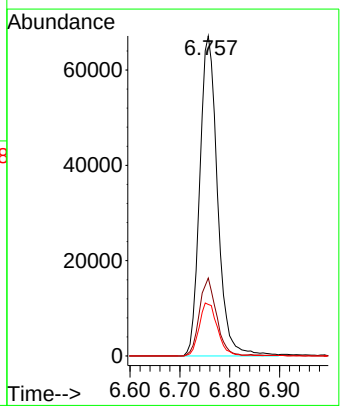


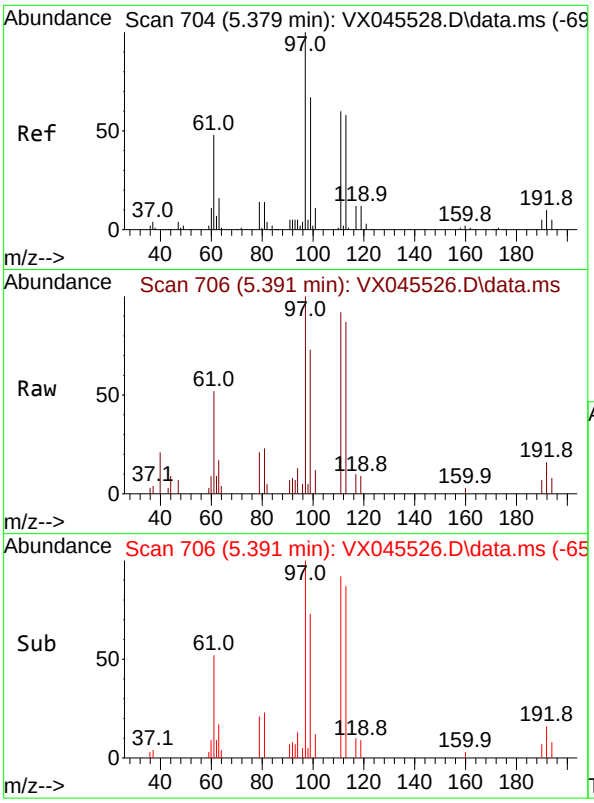


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:114 Resp: 166137

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.1	0.0	35.4



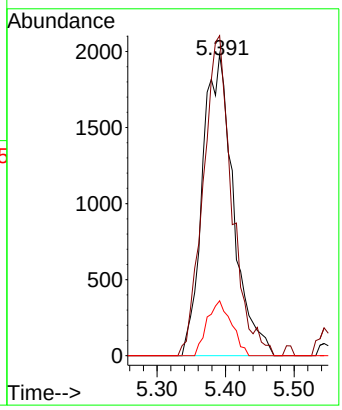


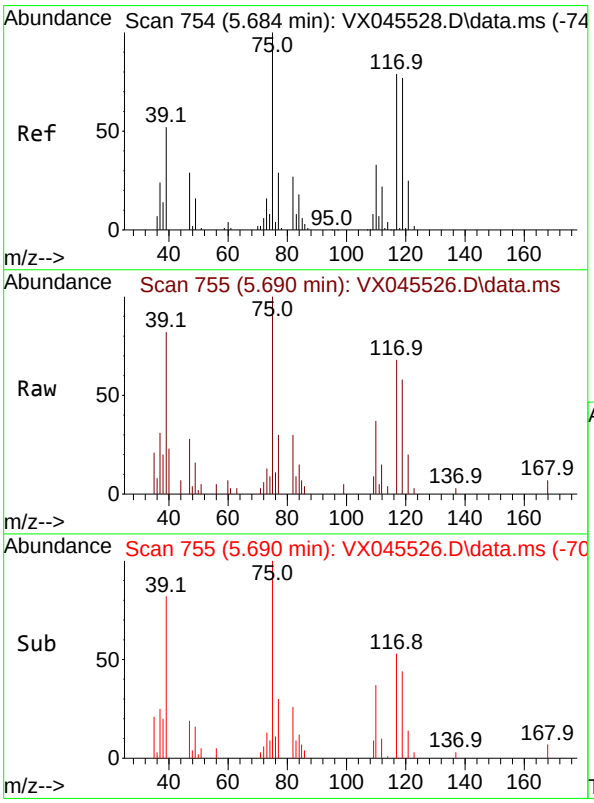
#35
Dibromofluoromethane
Concen: 5.244 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 6181

Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.8	122.6
192	14.4	13.8	20.6

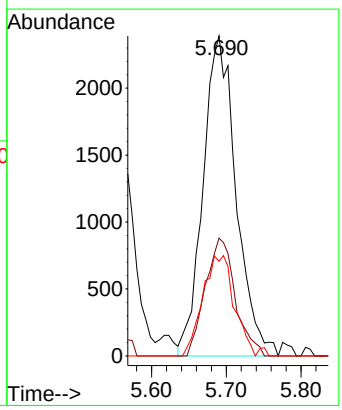


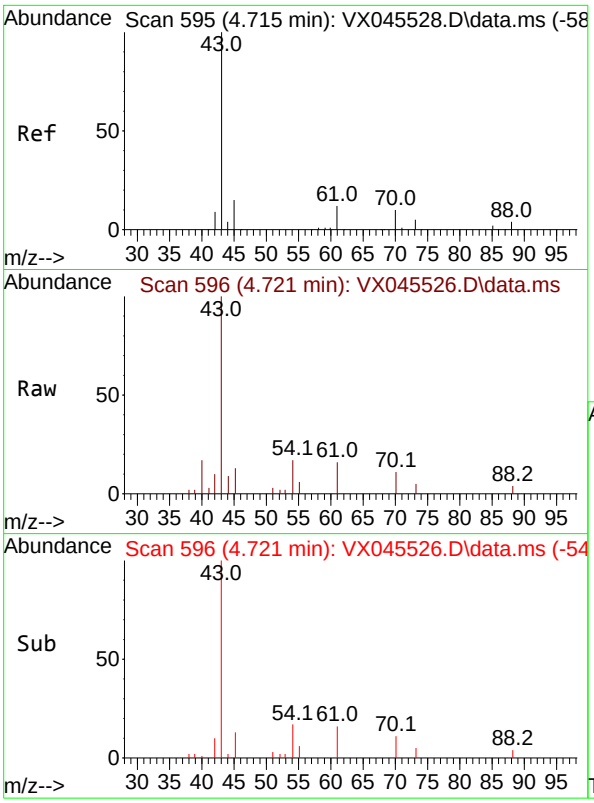


#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7354

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	29.8	25.0	37.4



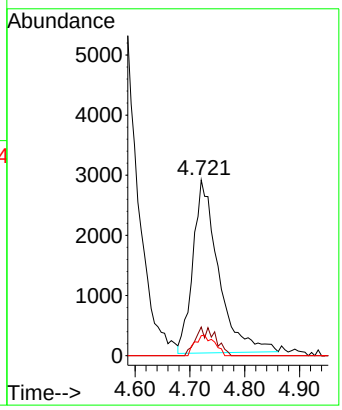


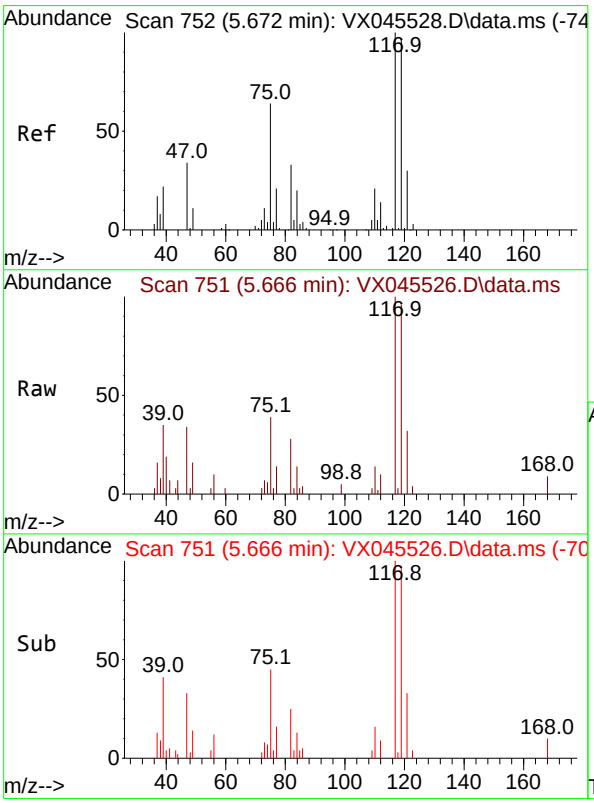
#37
Ethyl Acetate
Concen: 4.679 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 9384

Ion	Ratio	Lower	Upper
43	100		
61	6.3	9.9	14.9#
70	8.9	7.5	11.3

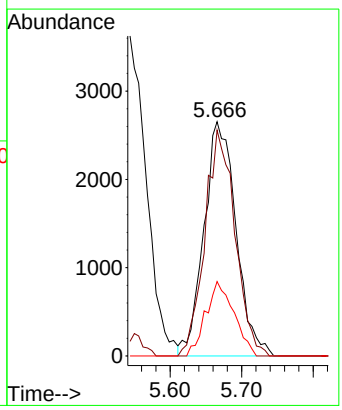


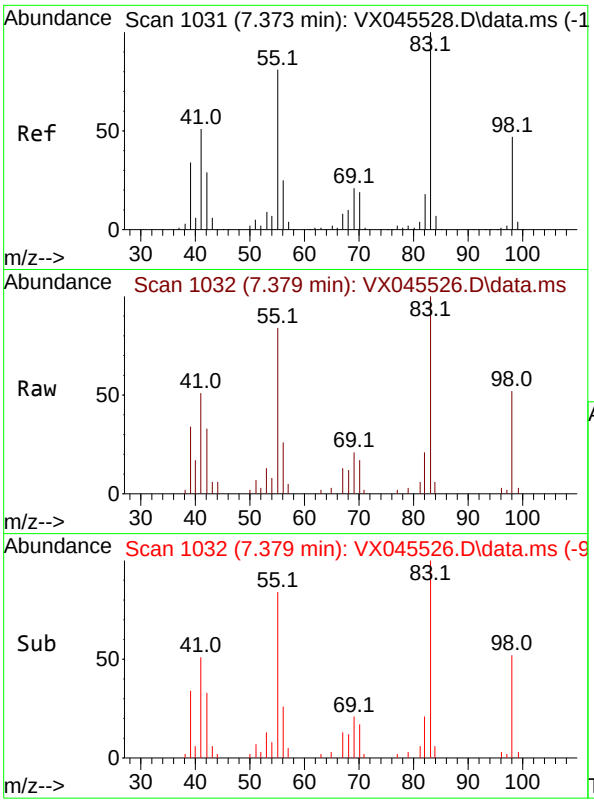


#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 8264

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	31.7	24.2	36.2



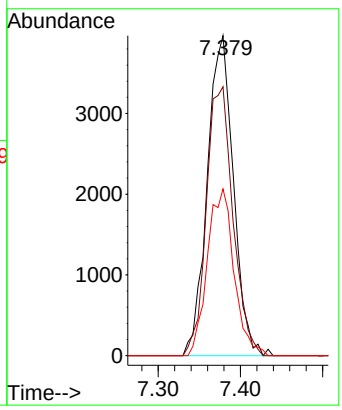


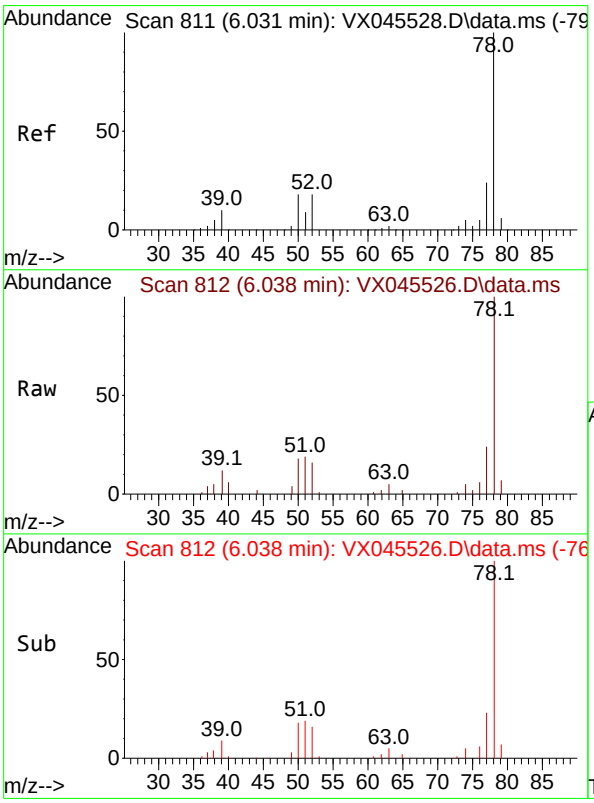
#39
Methylcyclohexane
Concen: 4.489 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8757

Ion	Ratio	Lower	Upper
83	100		
55	84.0	64.9	97.3
98	52.1	37.4	56.0

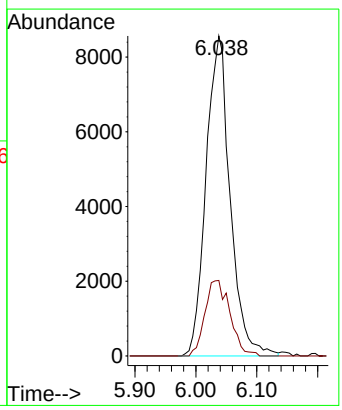


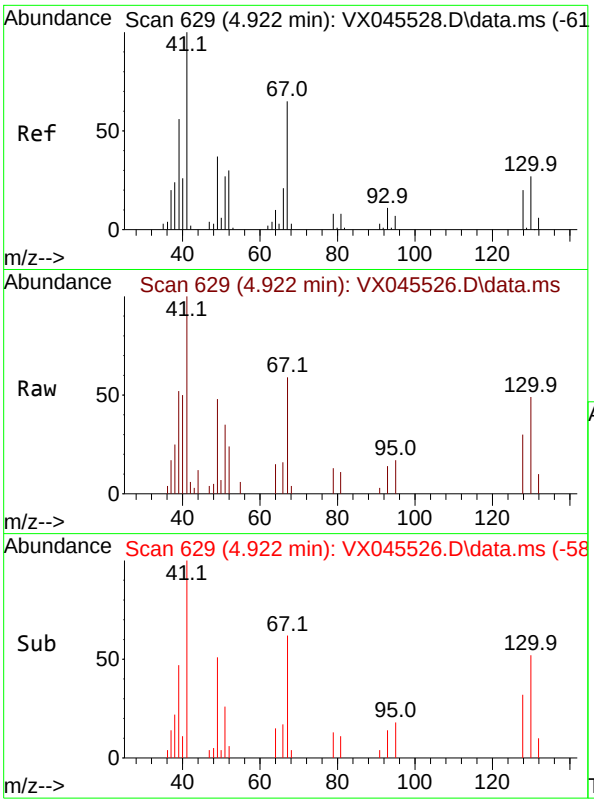


#40
Benzene
Concen: 4.839 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 78 Resp: 23522

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6



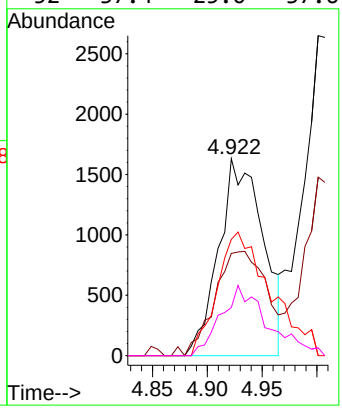


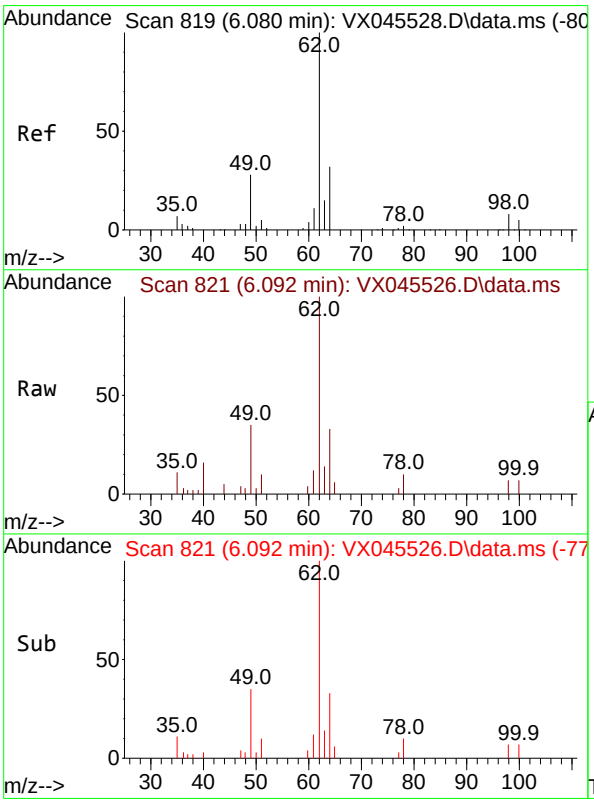
#41
Methacrylonitrile
Concen: 4.302 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4593

Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.0	70.6
67	75.2	53.2	79.8
52	37.4	25.0	37.6

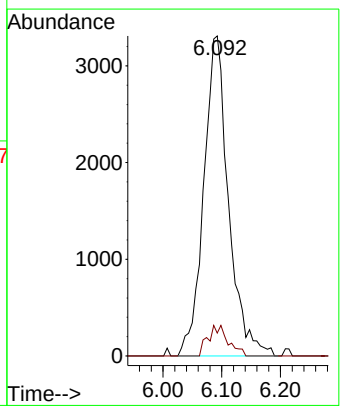


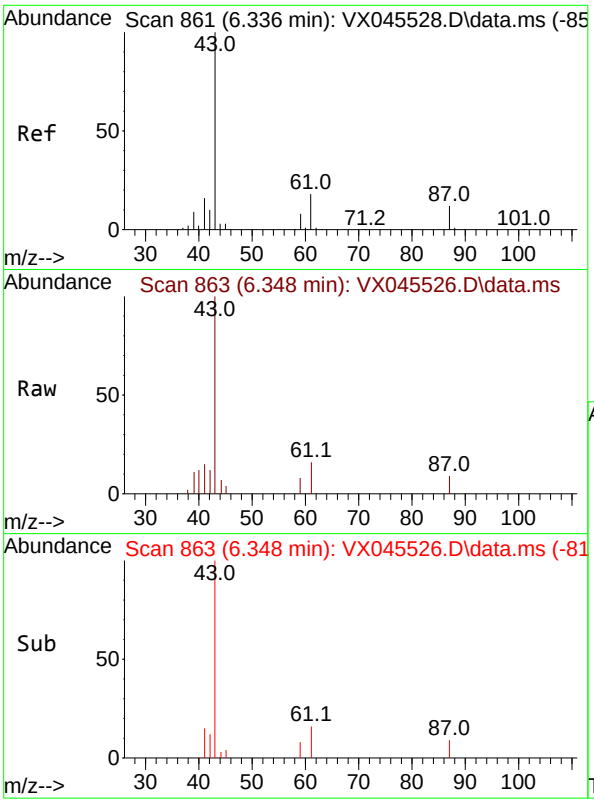


#42
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 9713

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2



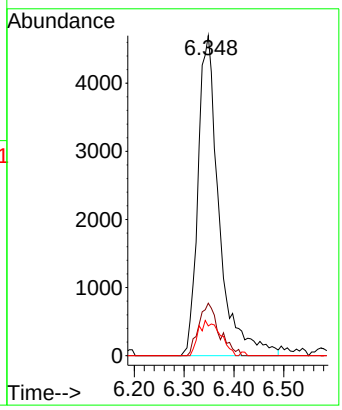


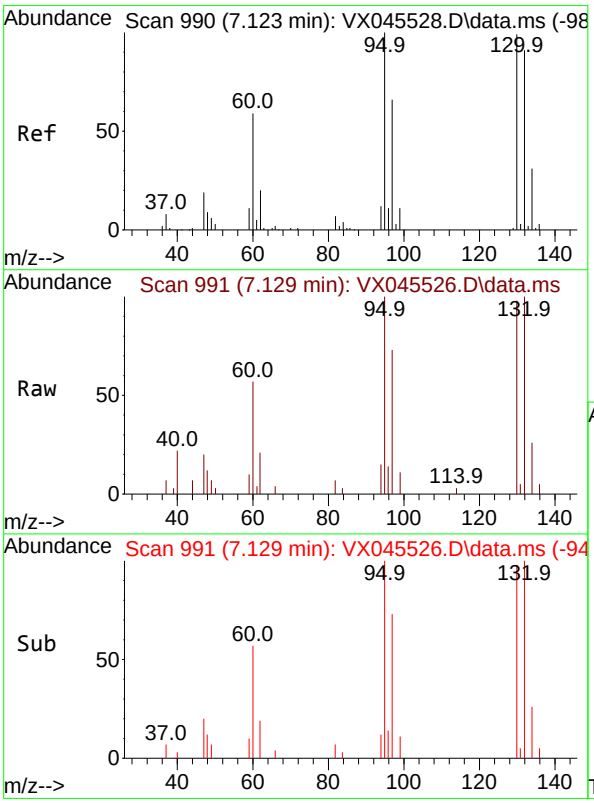
#43
Isopropyl Acetate
Concen: 4.541 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13803

Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.1	21.1
87	11.3	9.2	13.8

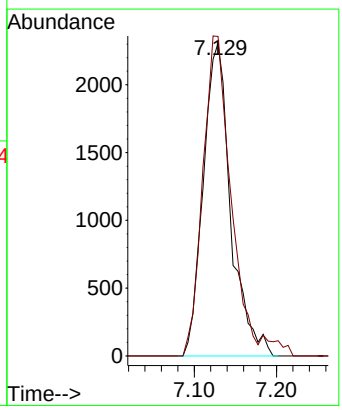


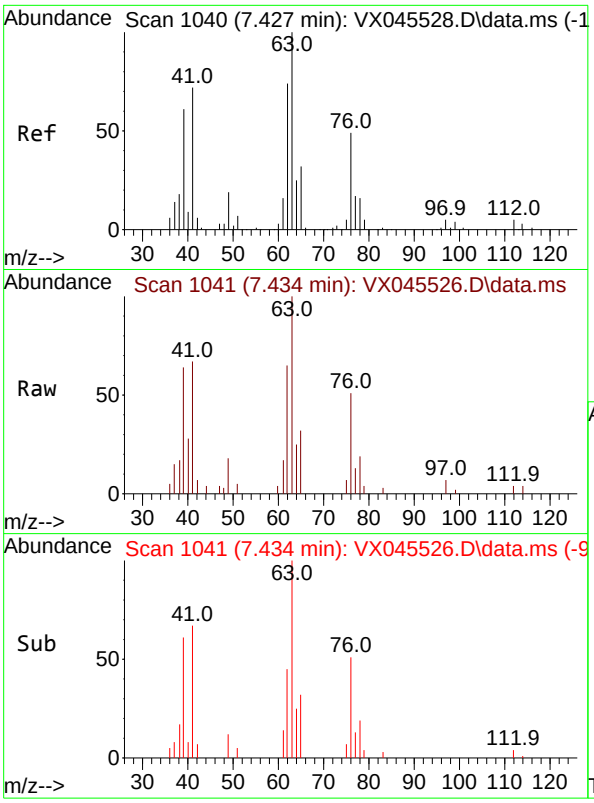


#44
Trichloroethene
Concen: 4.635 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:130 Resp: 5355

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0



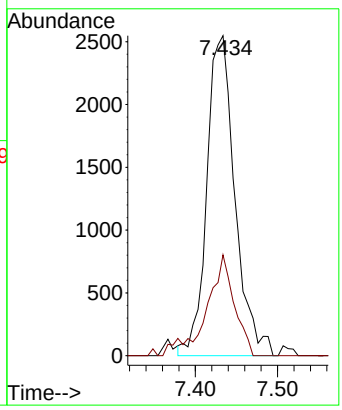


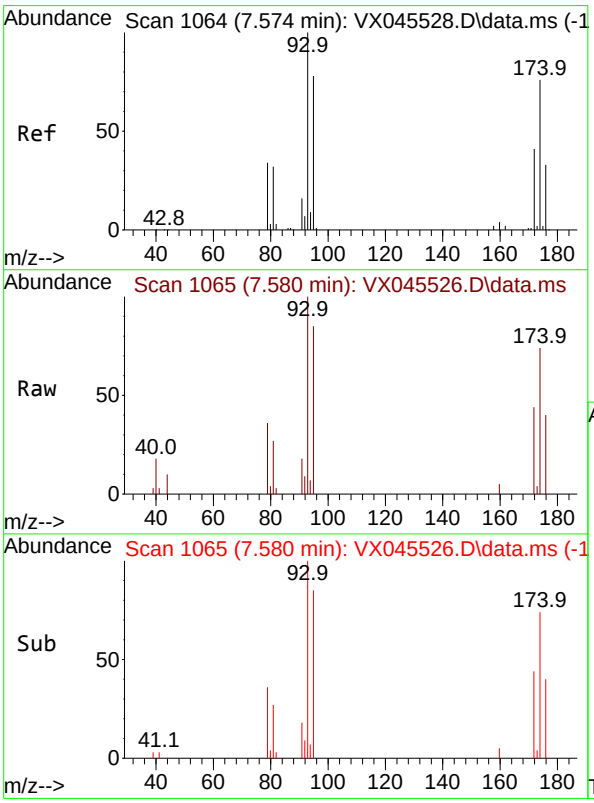
#45
1,2-Dichloropropane
Concen: 4.997 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 6060

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6

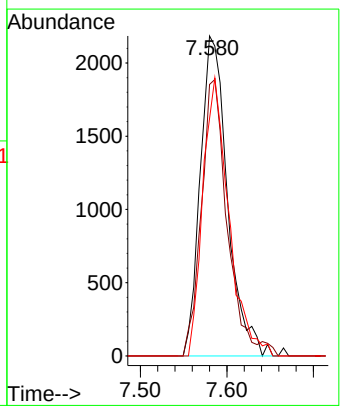


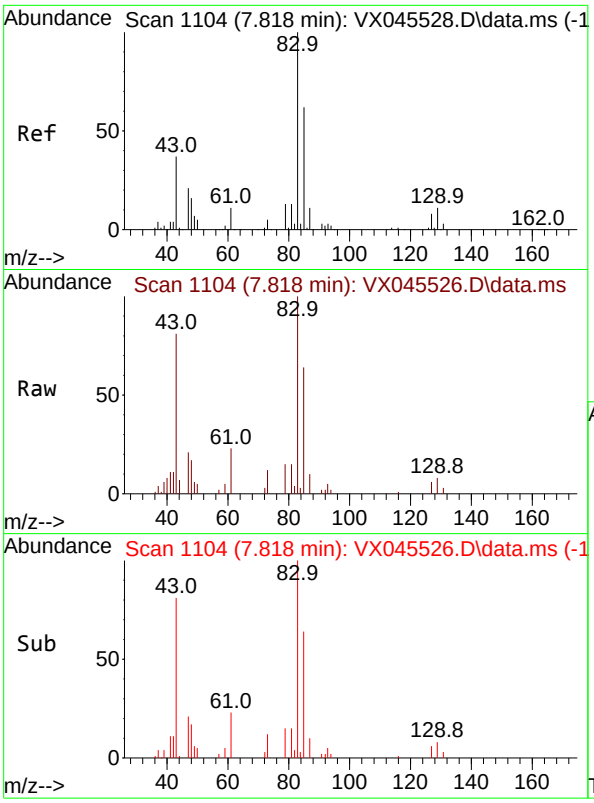


#46
Dibromomethane
Concen: 5.120 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 93 Resp: 4767

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	83.1	65.4	98.0



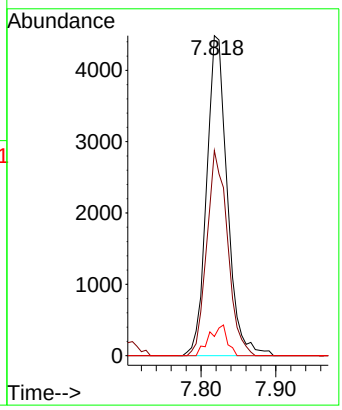


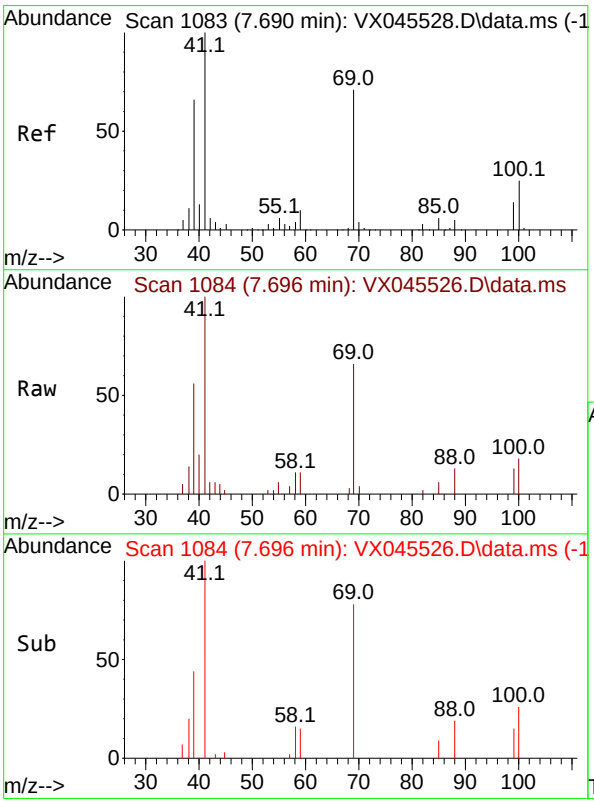
#47
Bromodichloromethane
Concen: 4.636 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8619

Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5
127	6.0	6.1	9.1#

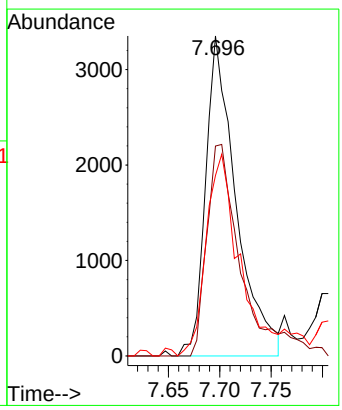


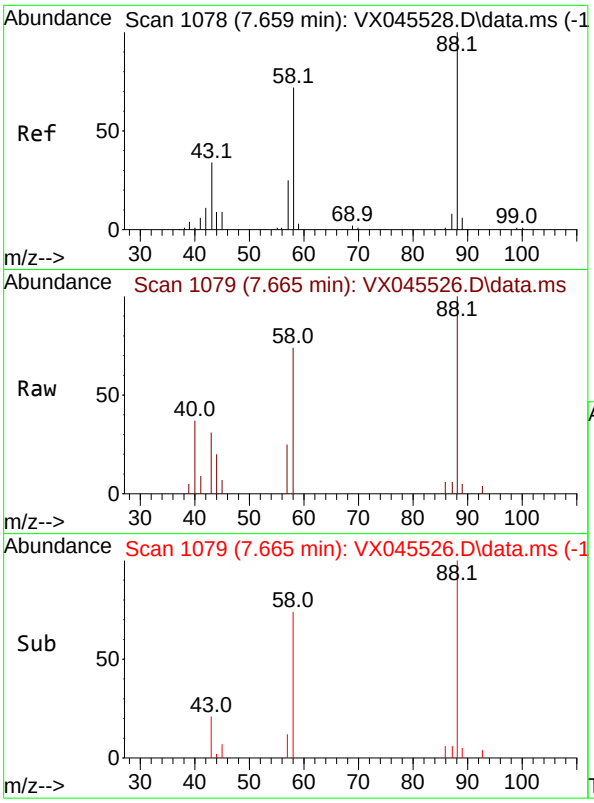


#48
Methyl methacrylate
Concen: 4.401 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 6908

Ion	Ratio	Lower	Upper
41	100		
69	74.6	58.2	87.2
39	68.3	53.6	80.4



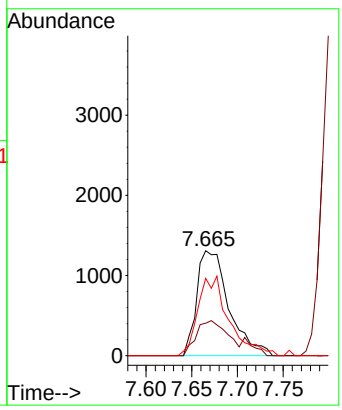


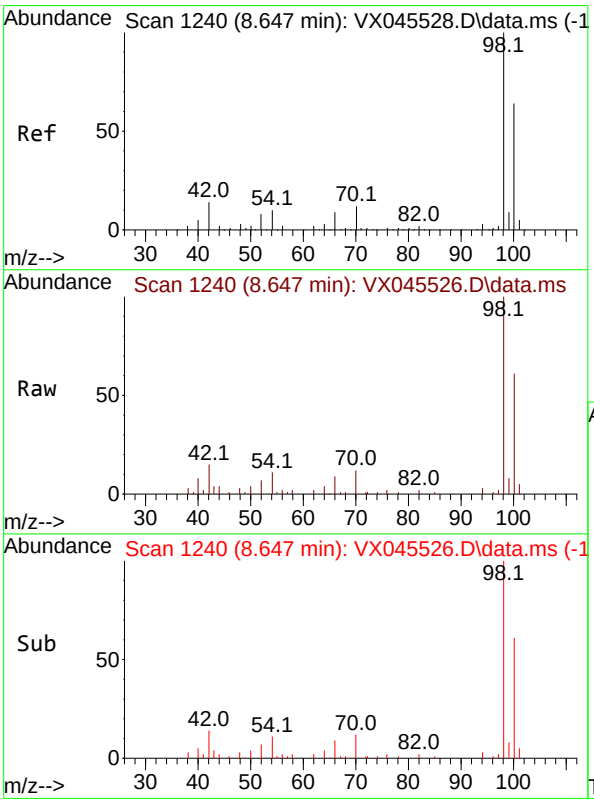
#49
1,4-Dioxane
Concen: 112.864 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3205

Ion	Ratio	Lower	Upper
88	100		
43	32.4	32.2	48.4
58	72.7	58.6	88.0

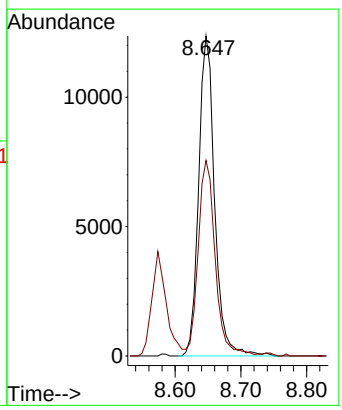


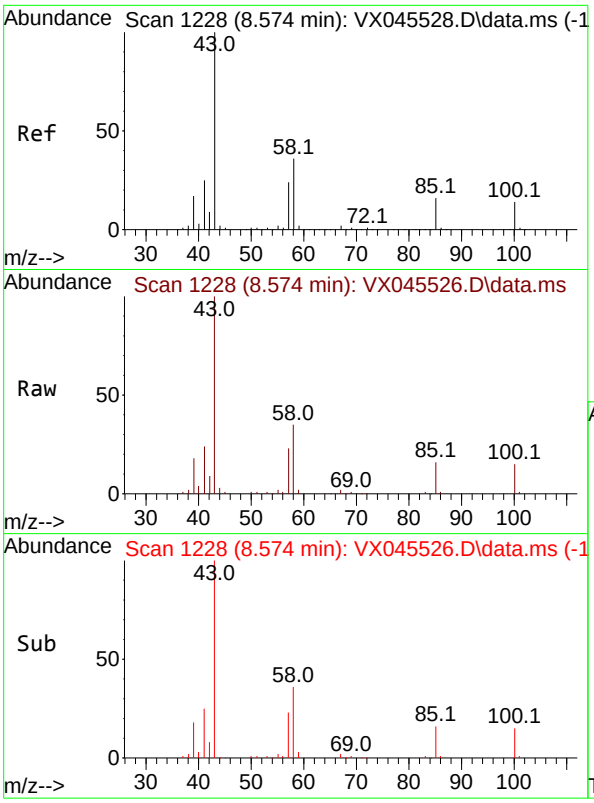


#50
Toluene-d8
Concen: 5.077 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 98 Resp: 20890

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.4



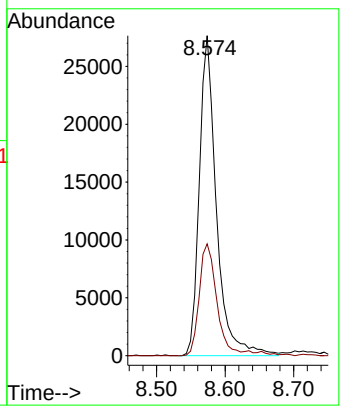


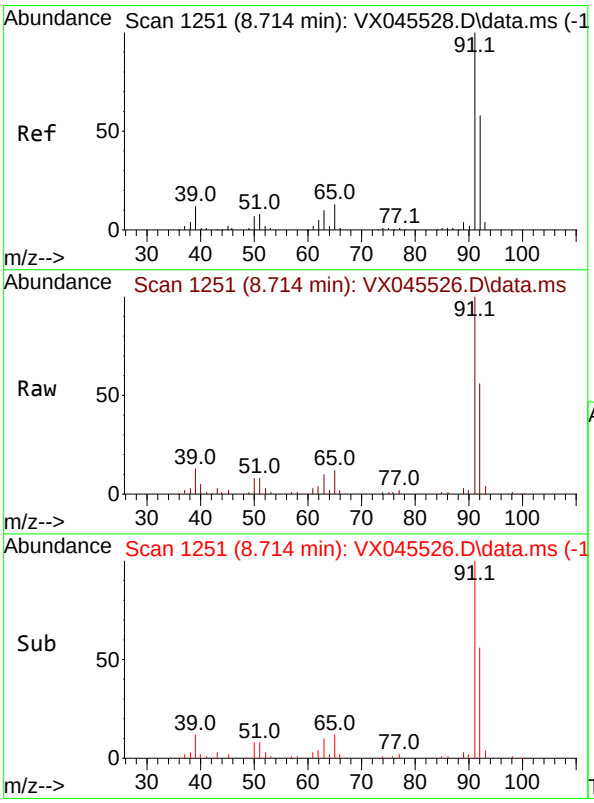
#51
4-Methyl-2-Pentanone
Concen: 23.844 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 48050

Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.5	42.7

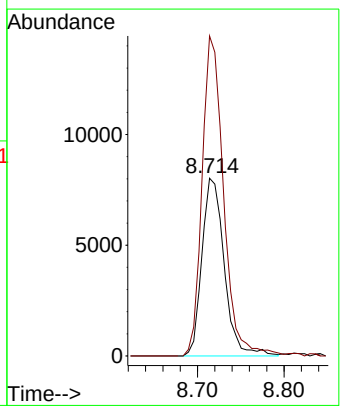


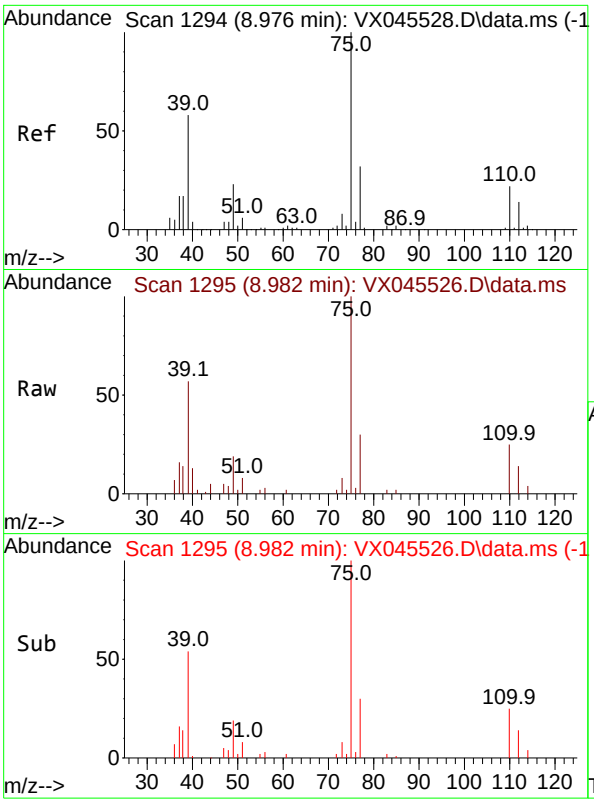


#52
Toluene
Concen: 4.893 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 92 Resp: 14391

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.7	208.1



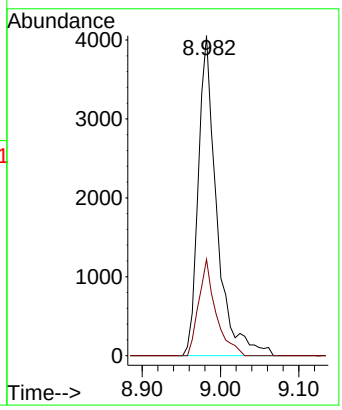


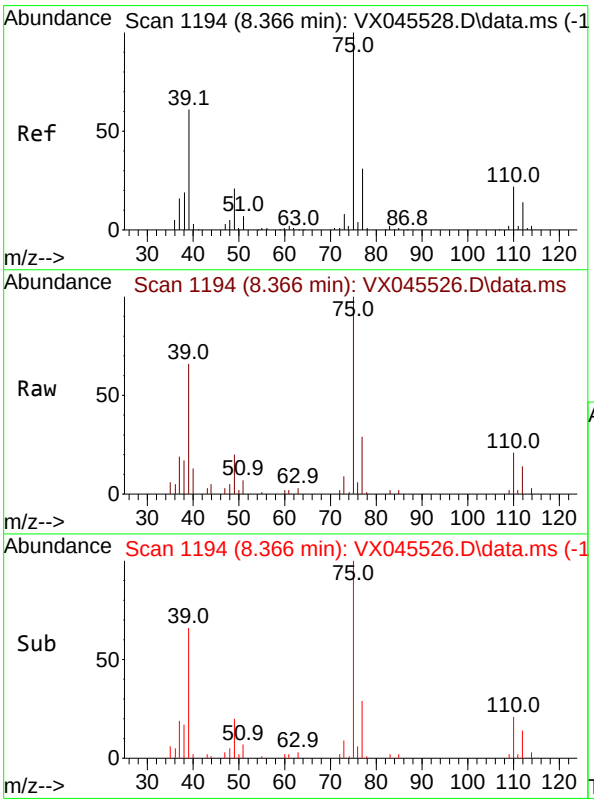
#53
t-1,3-Dichloropropene
Concen: 5.834 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6643

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0

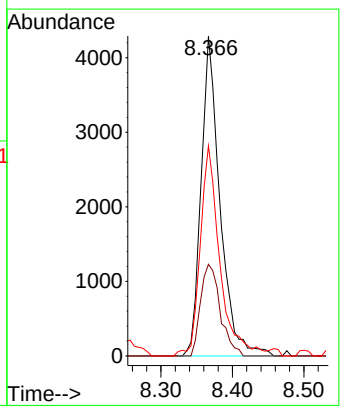


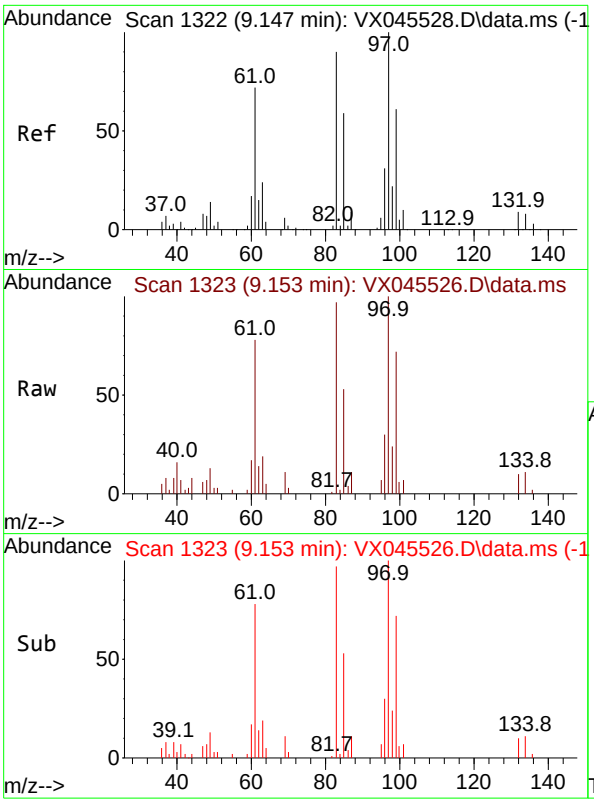


#54
cis-1,3-Dichloropropene
Concen: 4.506 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7873

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.6	36.8
39	64.4	48.4	72.6



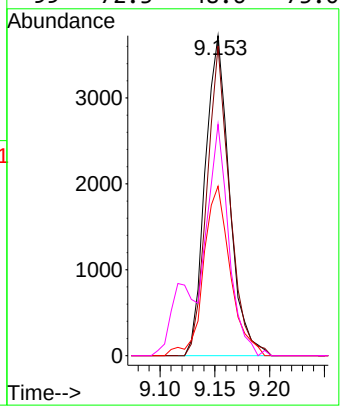


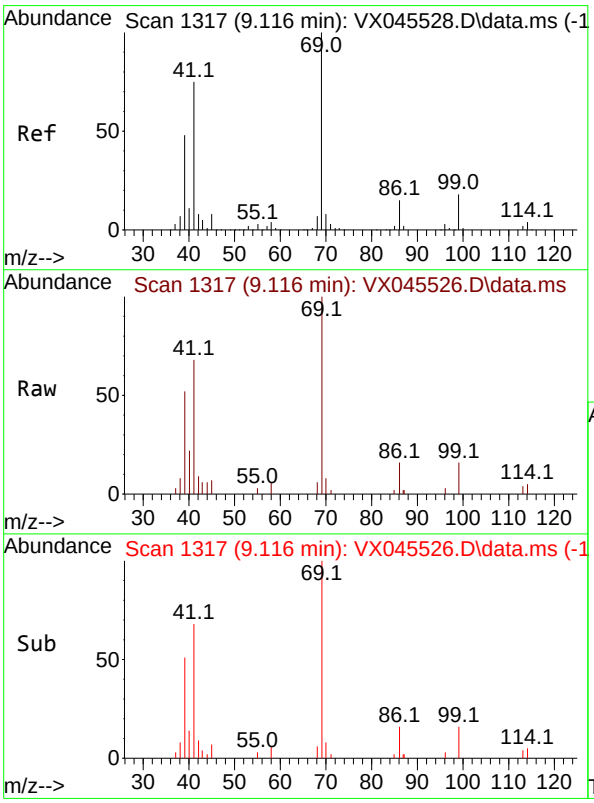
#55
1,1,2-Trichloroethane
Concen: 4.898 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 5741

Ion	Ratio	Lower	Upper
97	100		
83	96.8	71.8	107.8
85	52.9	47.0	70.6
99	72.3	48.6	73.0

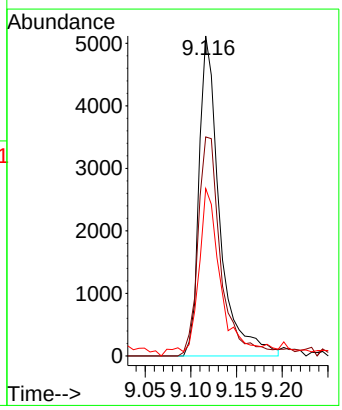


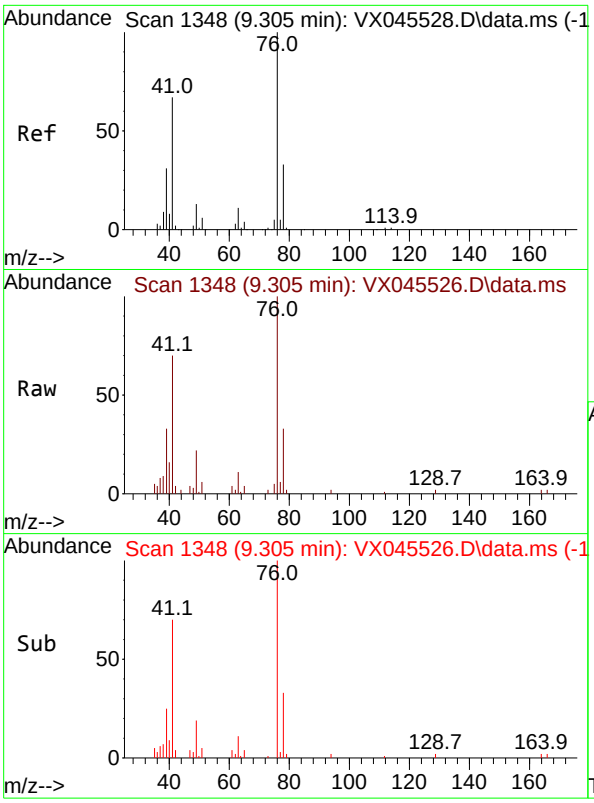


#56
Ethyl methacrylate
Concen: 4.417 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 69 Resp: 8012

Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.3	91.9
39	58.5	40.2	60.2



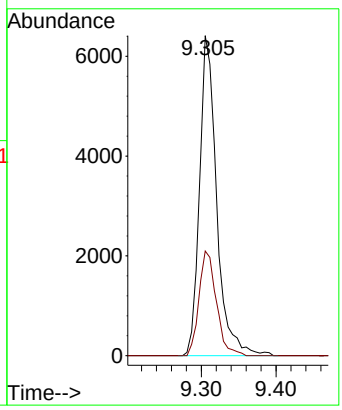


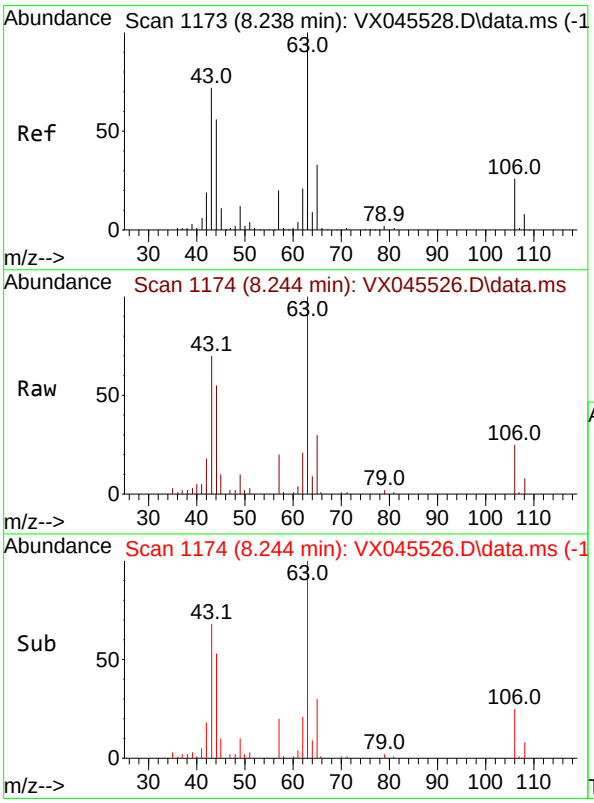
#57
1,3-Dichloropropane
Concen: 5.002 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 10208

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

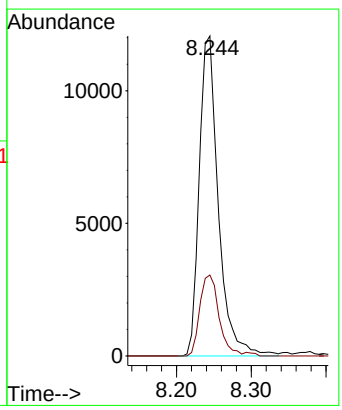


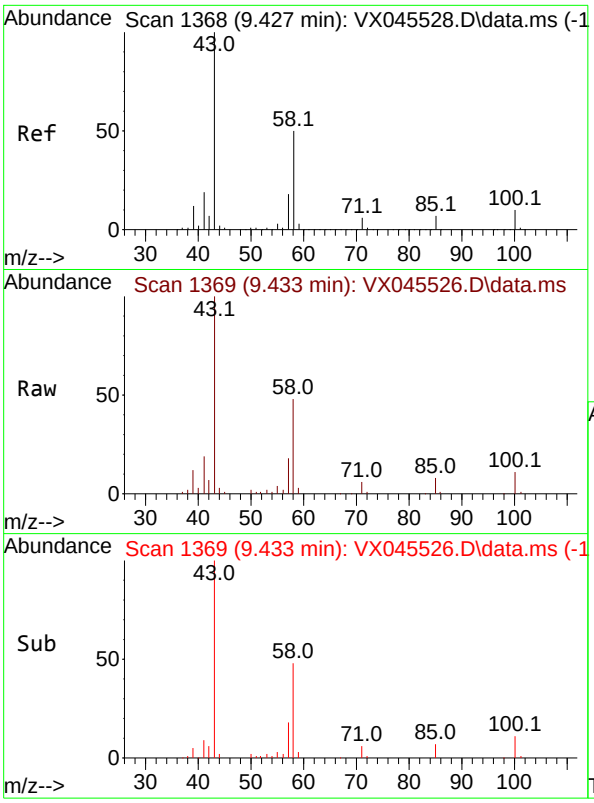


#58
2-Chloroethyl Vinyl ether
Concen: 23.302 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 21382

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.0	31.6



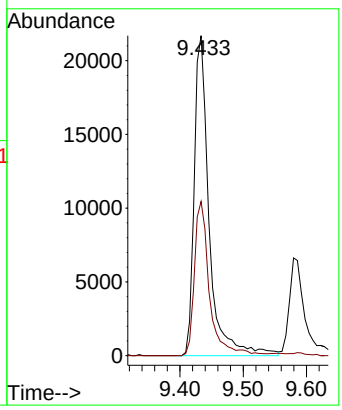


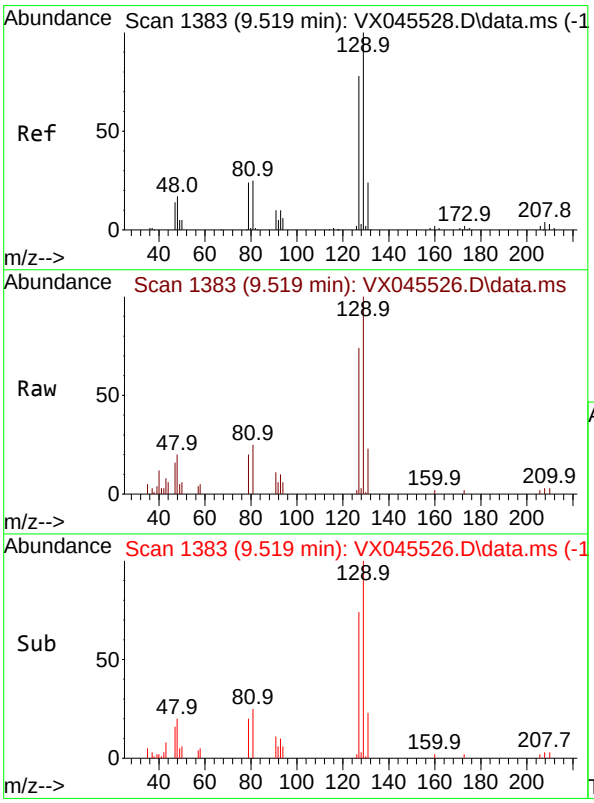
#59
2-Hexanone
Concen: 23.875 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 35628

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

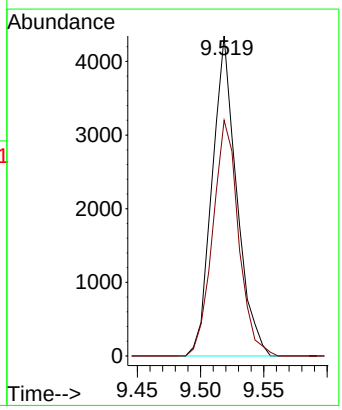


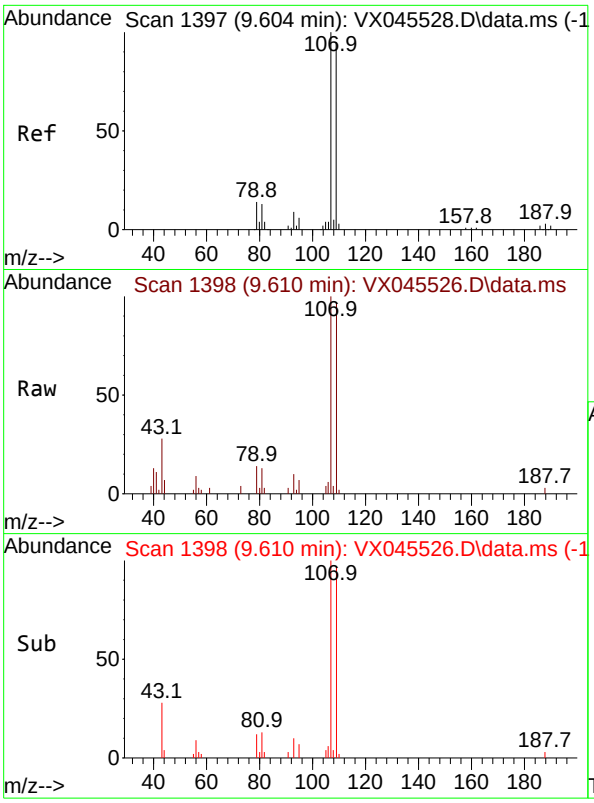


#60
Dibromochloromethane
Concen: 4.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:129 Resp: 5855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.4	118.2



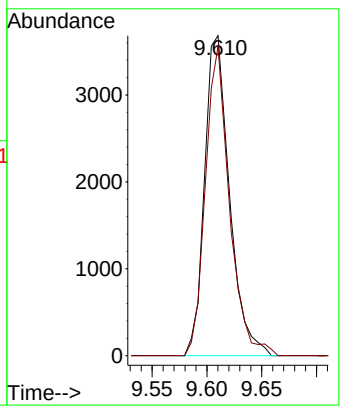


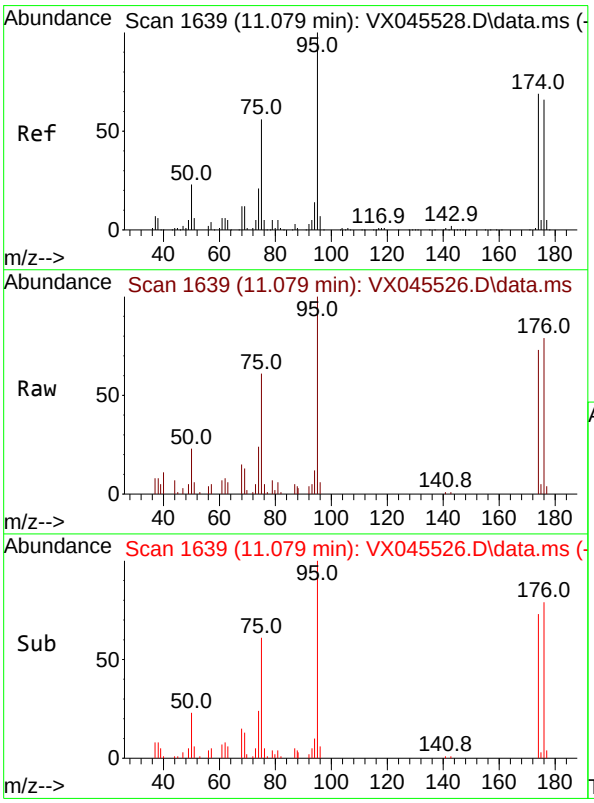
#61
1,2-Dibromoethane
Concen: 4.920 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 5837

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5

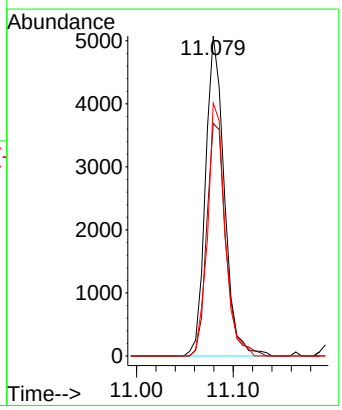


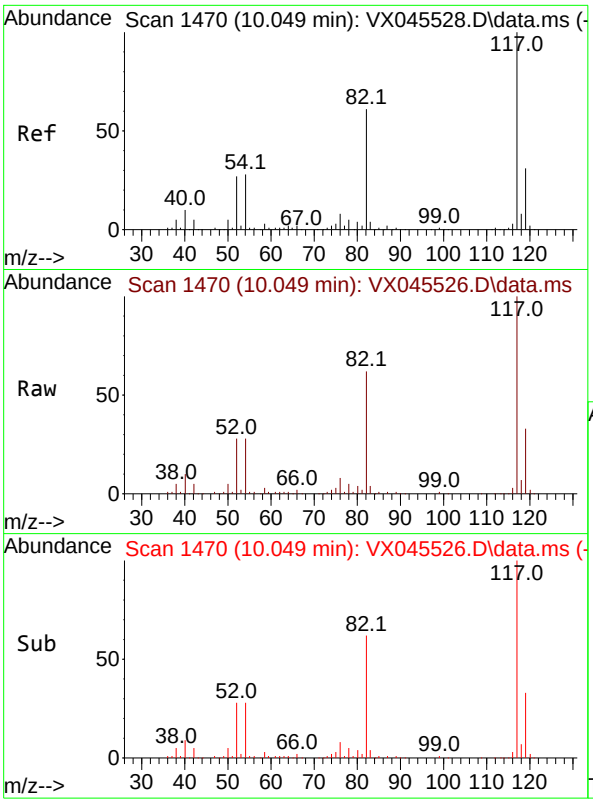


#62
4-Bromofluorobenzene
Concen: 4.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 95 Resp: 6867

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	135.8
176	73.3	0.0	131.4



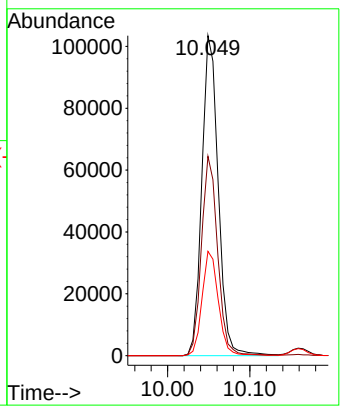


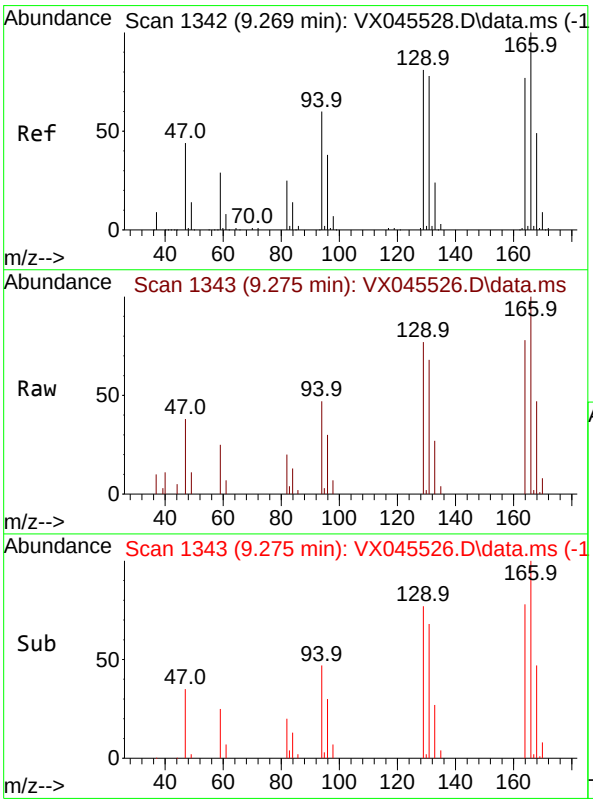
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 143937

Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	32.6	25.1	37.7

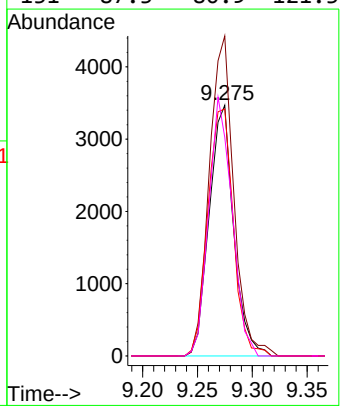


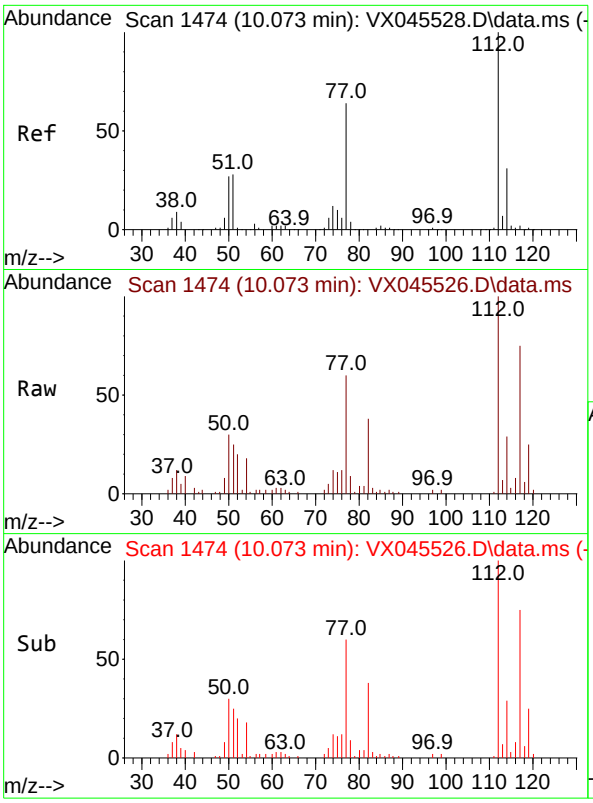


#64
Tetrachloroethene
Concen: 5.287 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:164 Resp: 5373

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.8	155.8
129	98.6	84.3	126.5
131	87.3	80.9	121.3



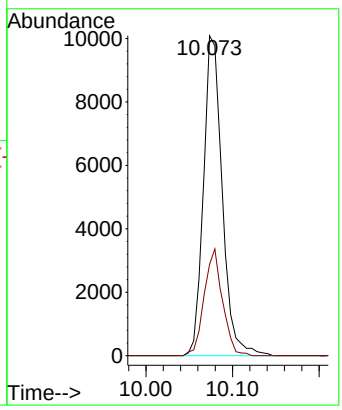


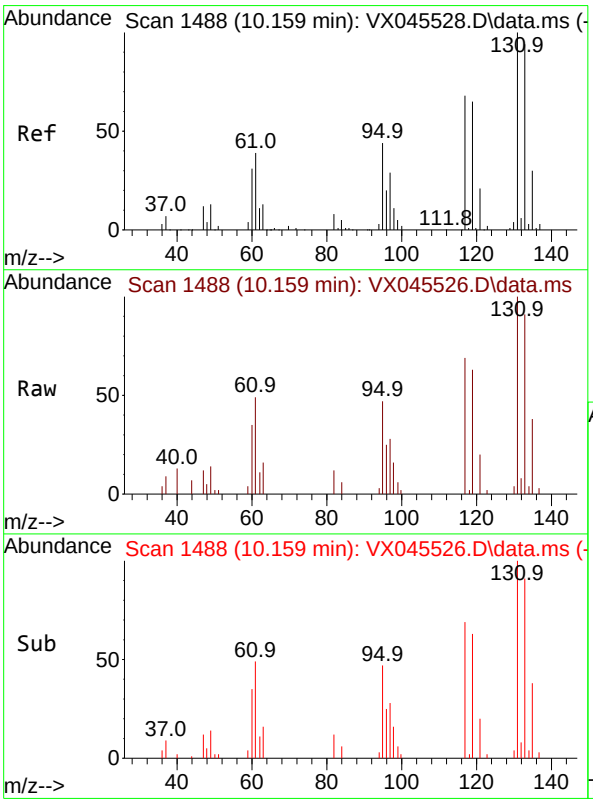
#65
Chlorobenzene
Concen: 4.935 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 15178

Ion	Ratio	Lower	Upper
112	100		
114	28.5	24.7	37.1

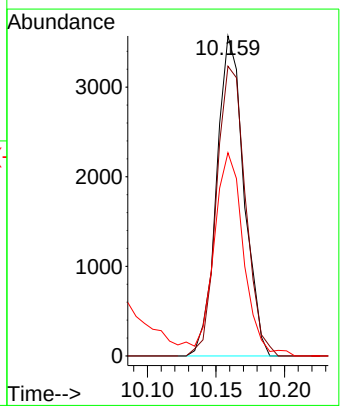


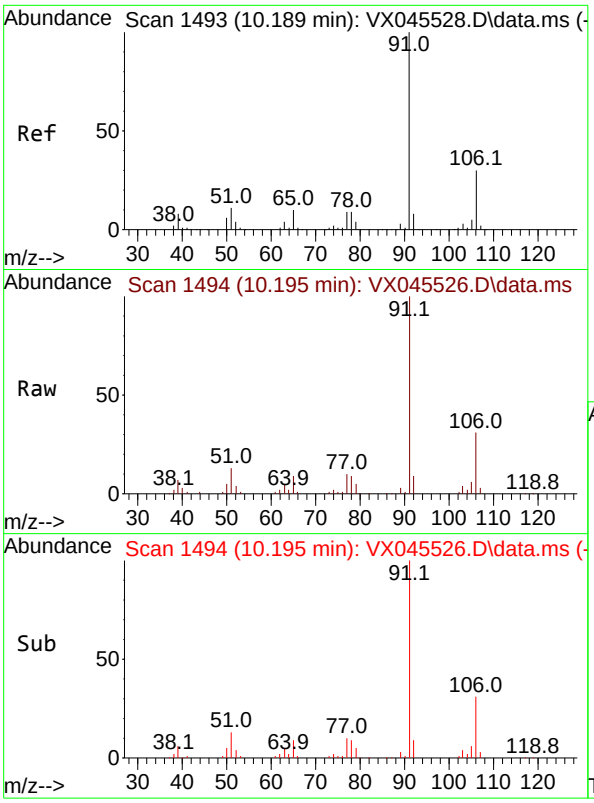


#66
1,1,1,2-Tetrachloroethane
Concen: 4.631 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:131 Resp: 4945

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	70.0	32.9	98.6



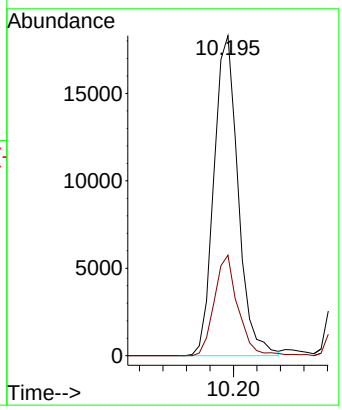


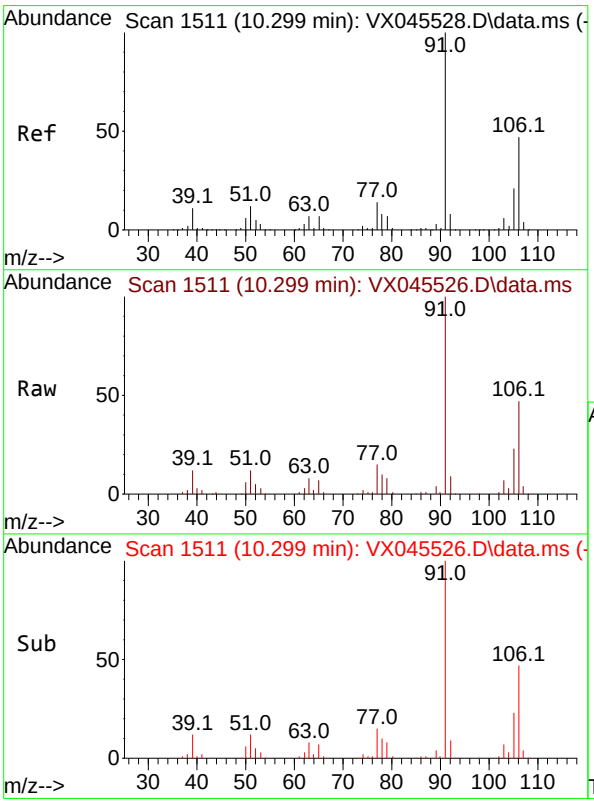
#67
Ethyl Benzene
Concen: 4.753 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26180

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.7	35.5

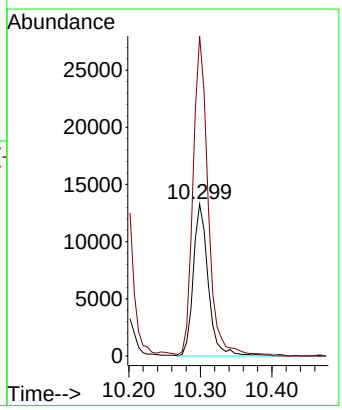


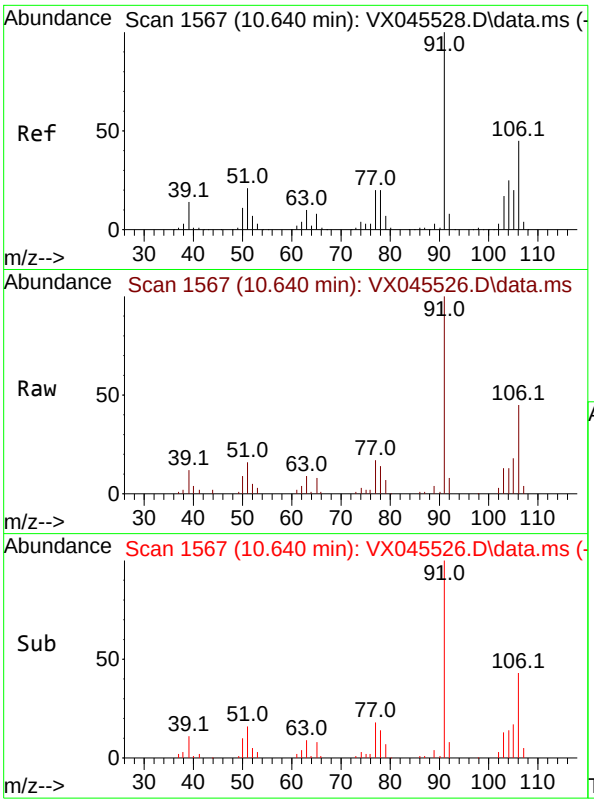


#68
m/p-Xylenes
Concen: 9.617 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 19268

Ion	Ratio	Lower	Upper
106	100		
91	213.6	172.6	258.8



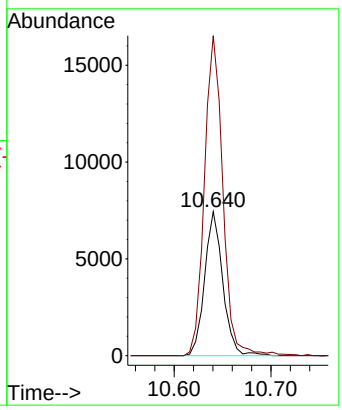


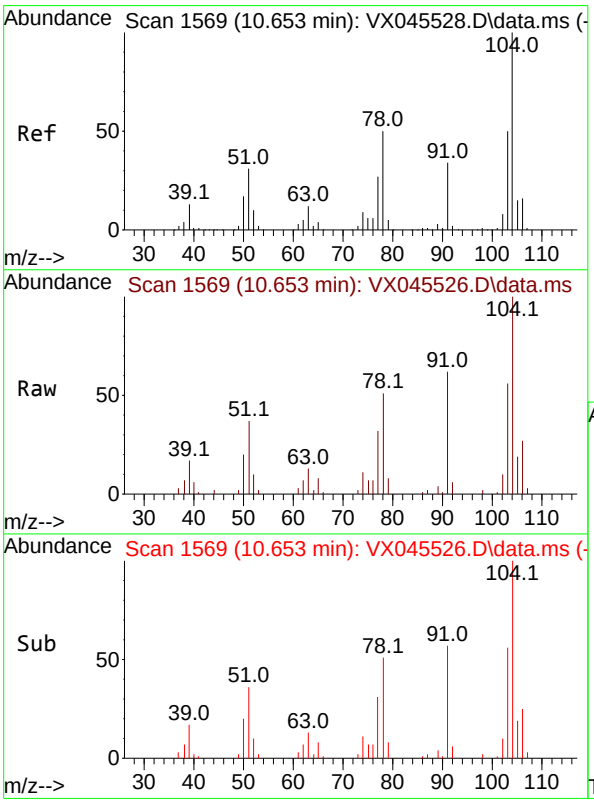
#69
o-Xylene
Concen: 4.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 9735

Ion	Ratio	Lower	Upper
106	100		
91	225.8	113.6	340.6

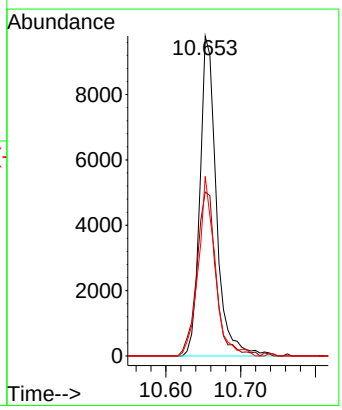


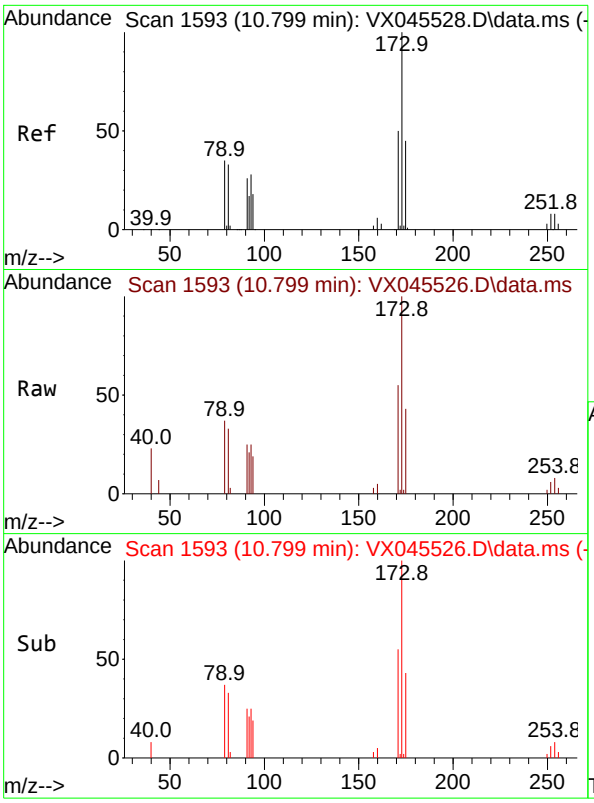


#70
Styrene
Concen: 4.610 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:104 Resp: 15017

Ion	Ratio	Lower	Upper
104	100		
78	59.8	45.4	68.2
103	57.1	43.8	65.8



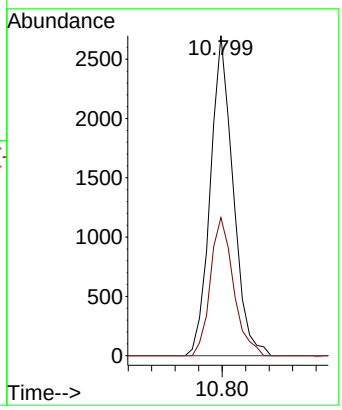


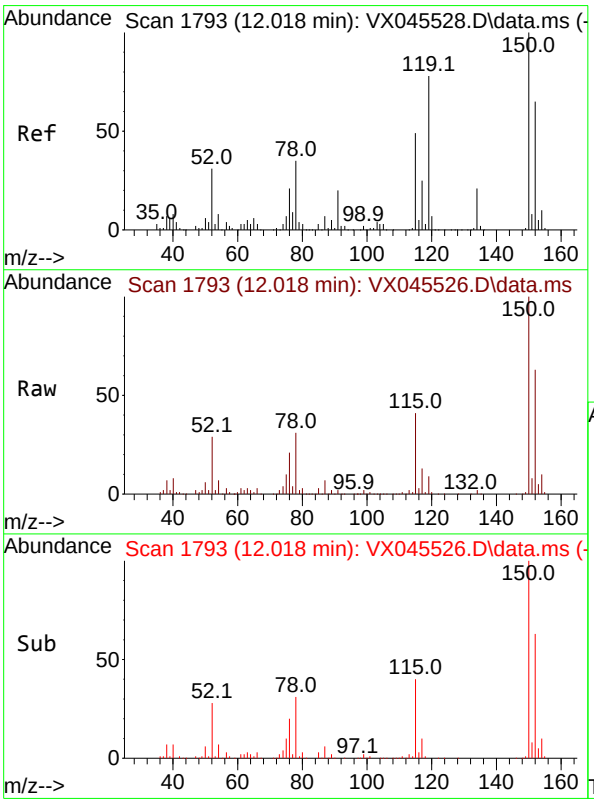
#71
Bromoform
Concen: 4.558 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 3634

Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.2
254	0.0	0.0	0.0

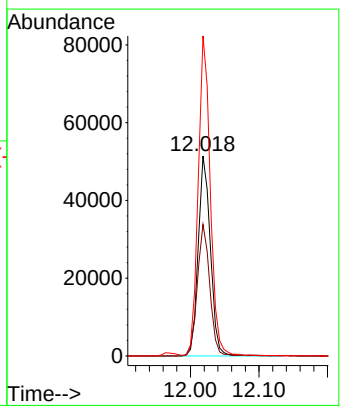


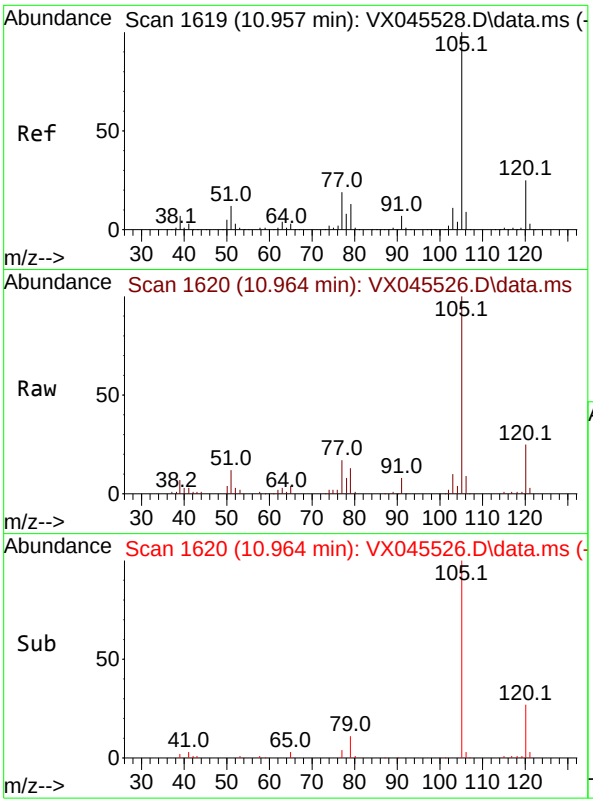


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:152 Resp: 63909

Ion	Ratio	Lower	Upper
152	100		
115	66.5	46.9	140.7
150	157.5	0.0	349.4



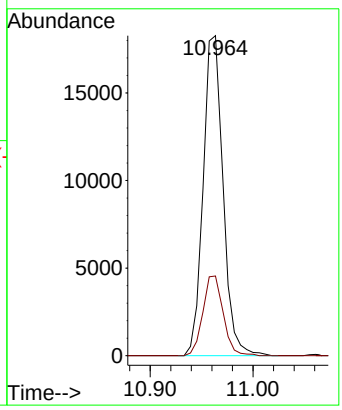


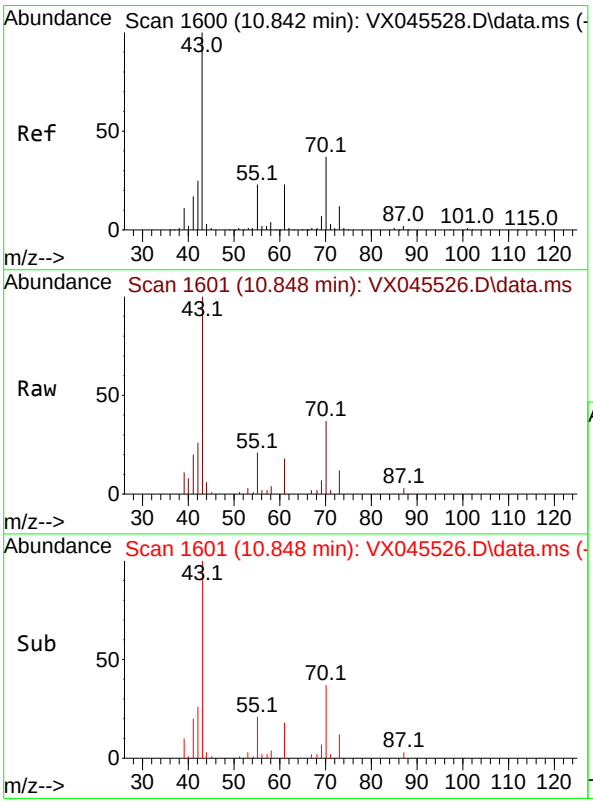
#73
Isopropylbenzene
Concen: 4.806 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 24604

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

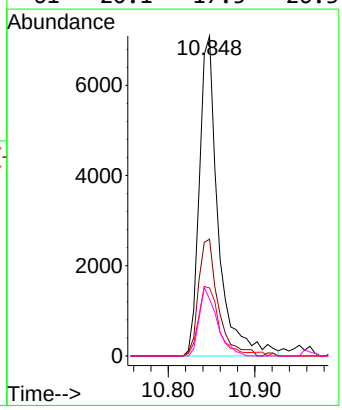


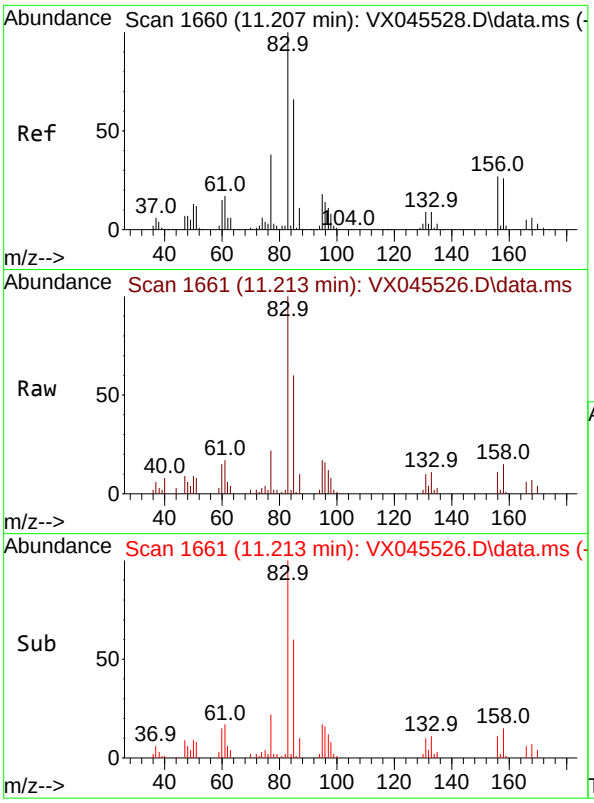


#74
N-amyl acetate
Concen: 4.390 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 10750

Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.1	45.1
55	23.0	18.3	27.5
61	20.1	17.5	26.3



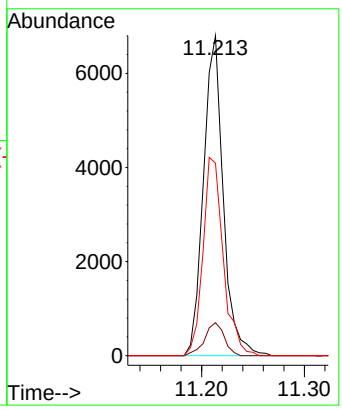


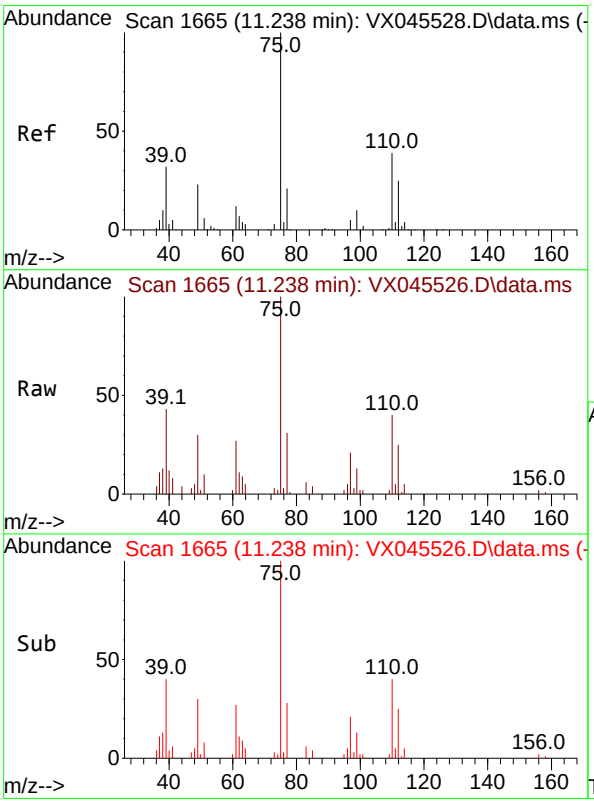
#75
1,1,2,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9127

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	63.5	32.4	97.2

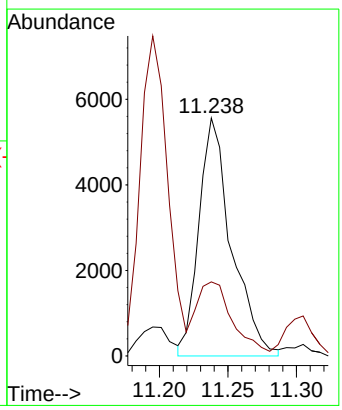


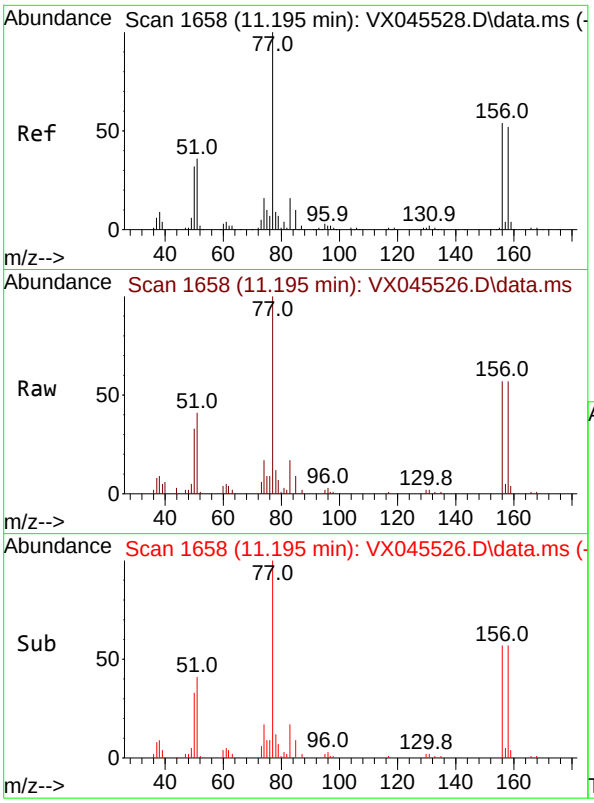


#76
1,2,3-Trichloropropane
Concen: 5.909 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 9211

Ion	Ratio	Lower	Upper
75	100		
77	35.1	20.0	59.9



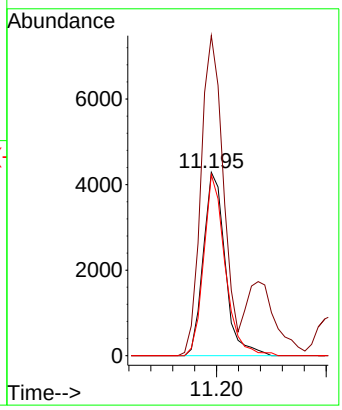


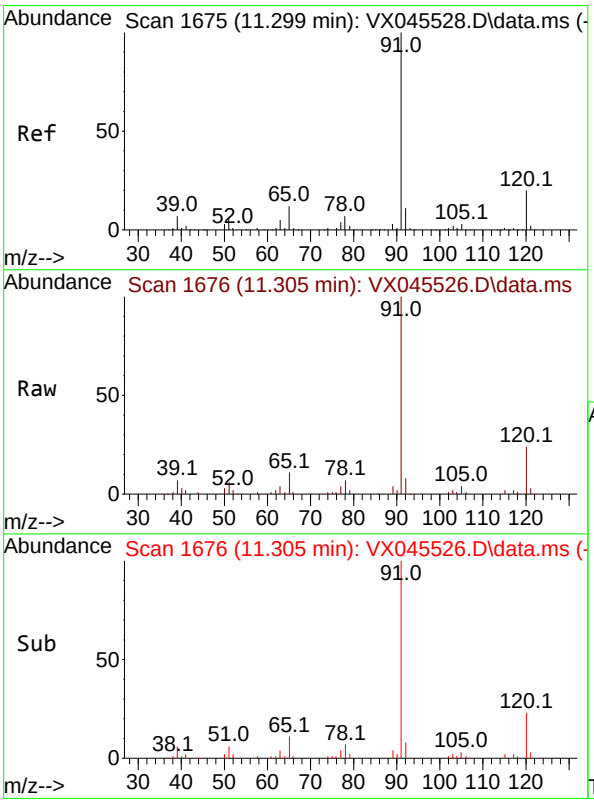
#77
Bromobenzene
Concen: 5.011 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 5927

Ion	Ratio	Lower	Upper
156	100		
77	178.8	92.6	277.8
158	97.0	48.1	144.4

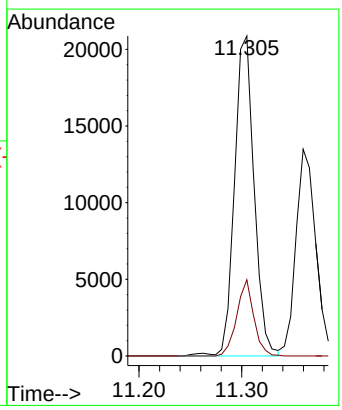


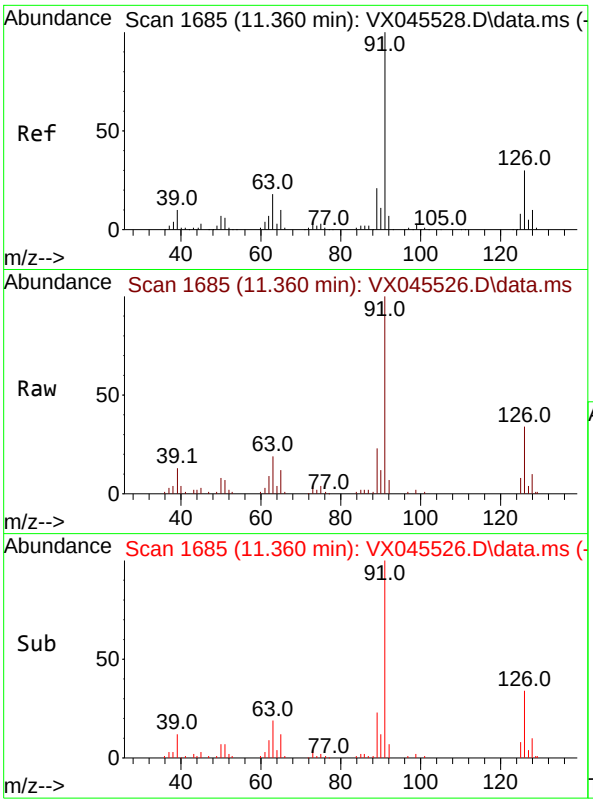


#78
n-propylbenzene
Concen: 4.711 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 27777

Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.8	32.3



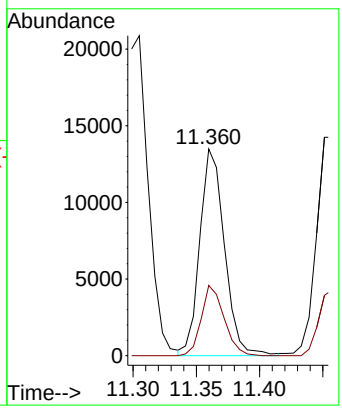


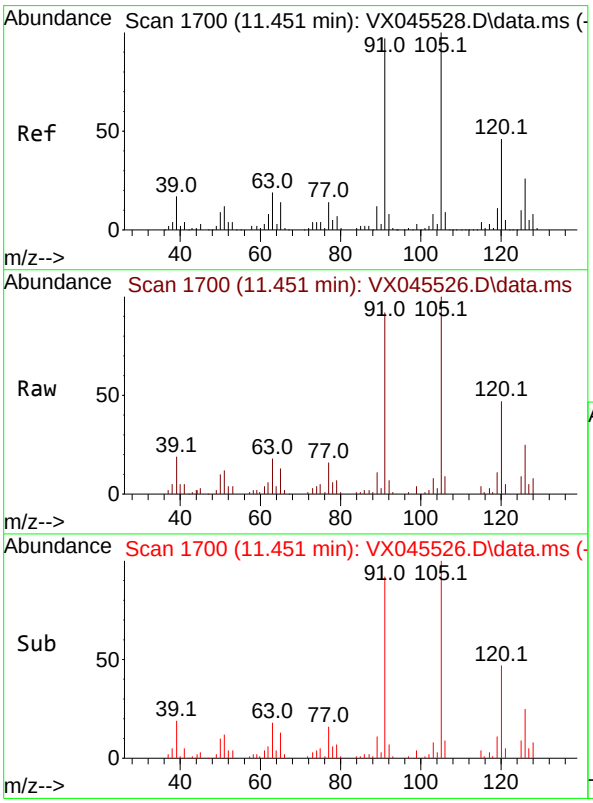
#79
2-Chlorotoluene
Concen: 4.870 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 18358

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4

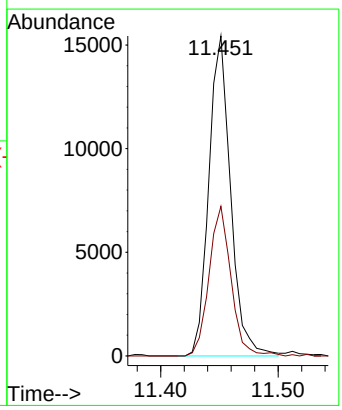


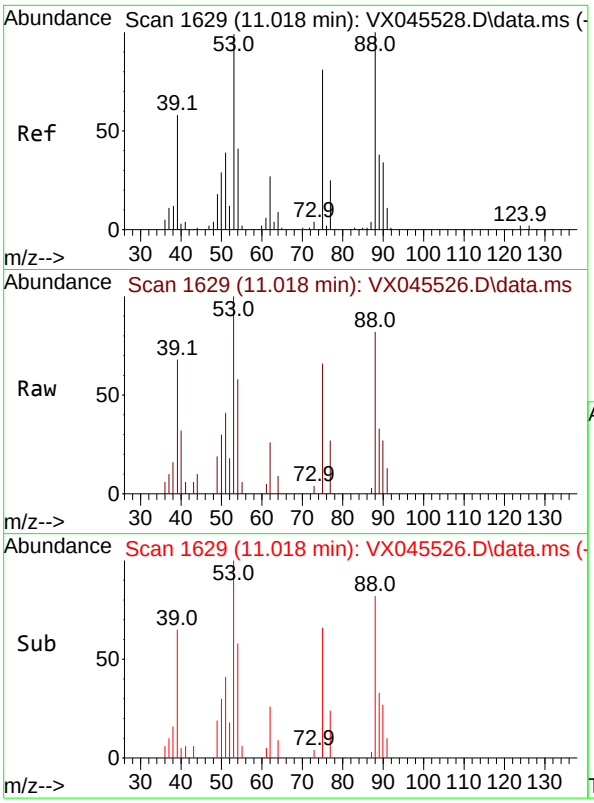


#80
1,3,5-Trimethylbenzene
Concen: 4.710 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19936

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0



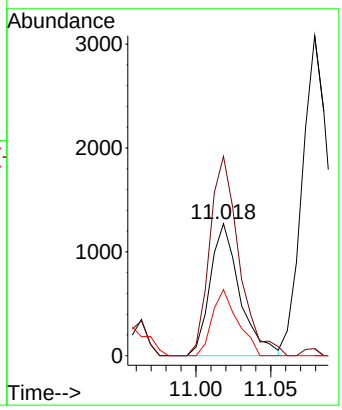


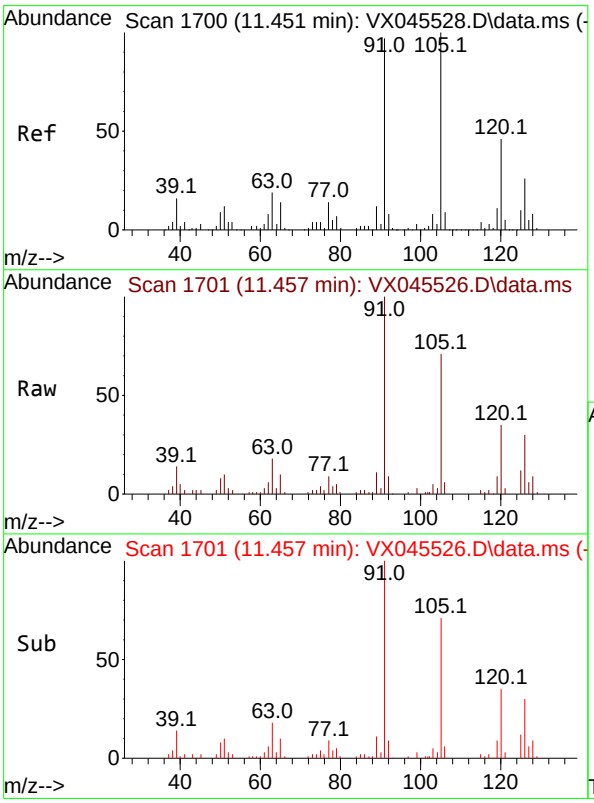
#81
trans-1,4-Dichloro-2-butene
Concen: 3.814 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1752

Ion	Ratio	Lower	Upper
75	100		
53	149.1	101.8	152.6
89	43.1	37.2	55.8

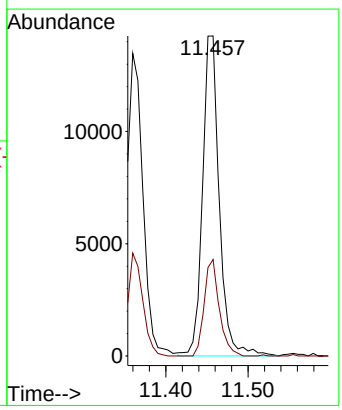


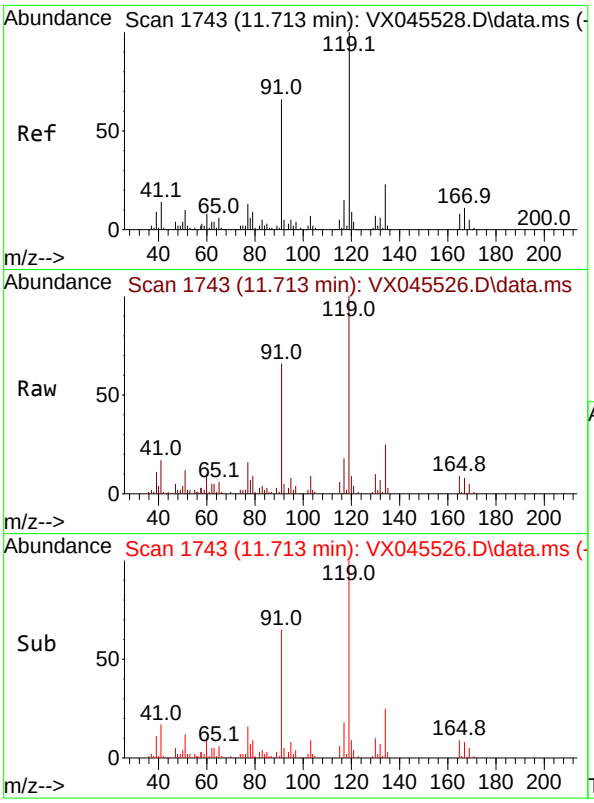


#82
4-Chlorotoluene
Concen: 4.799 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 20171

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.9



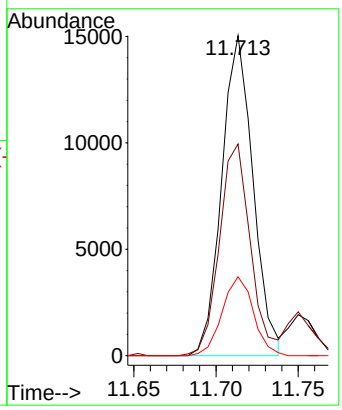


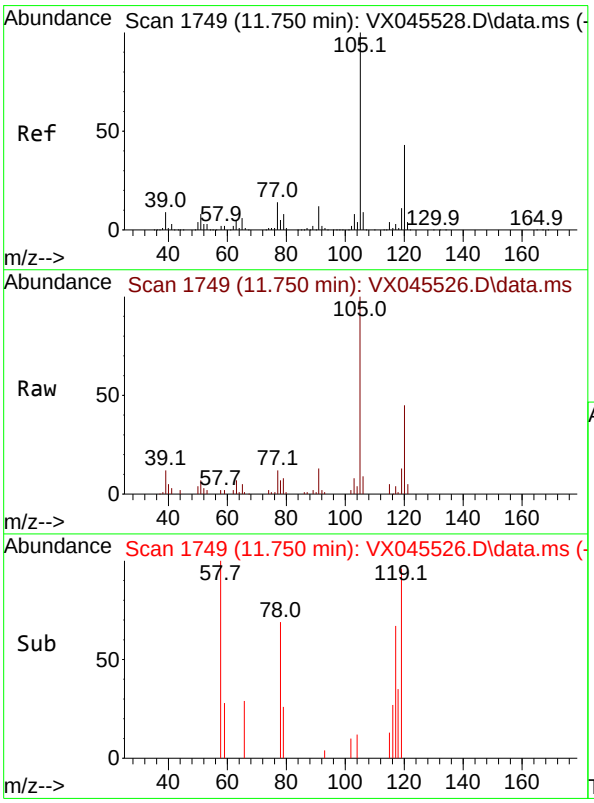
#83
tert-Butylbenzene
Concen: 4.763 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 19962

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.6	11.5	34.5

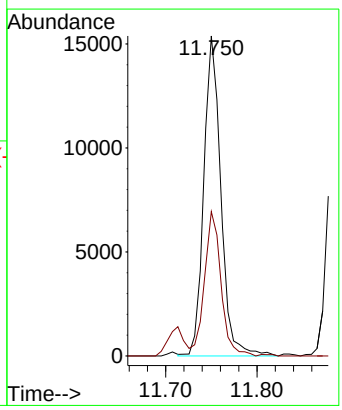


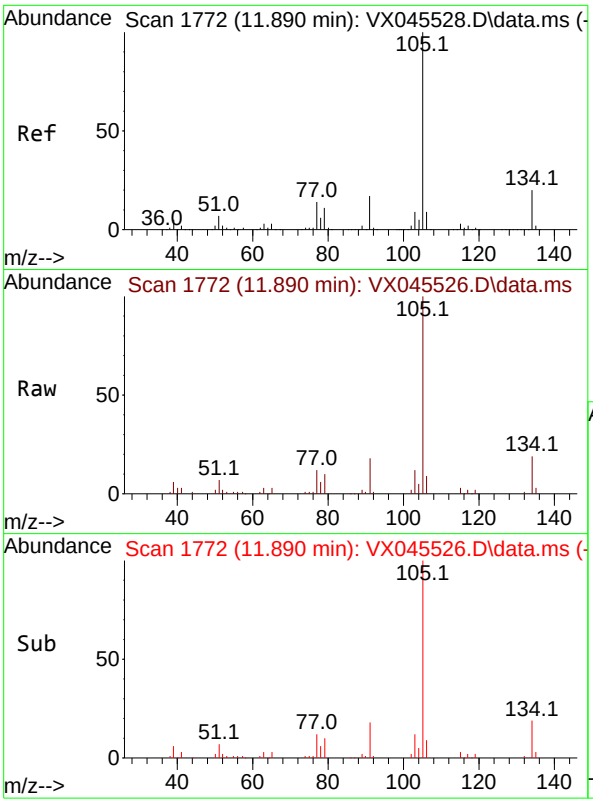


#84
1,2,4-Trimethylbenzene
Concen: 4.707 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19998

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3



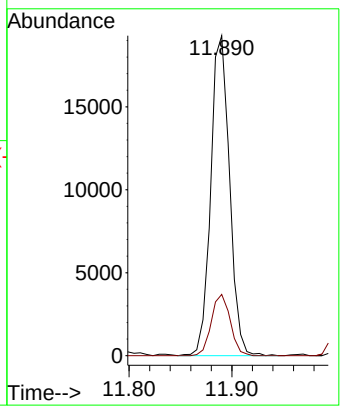


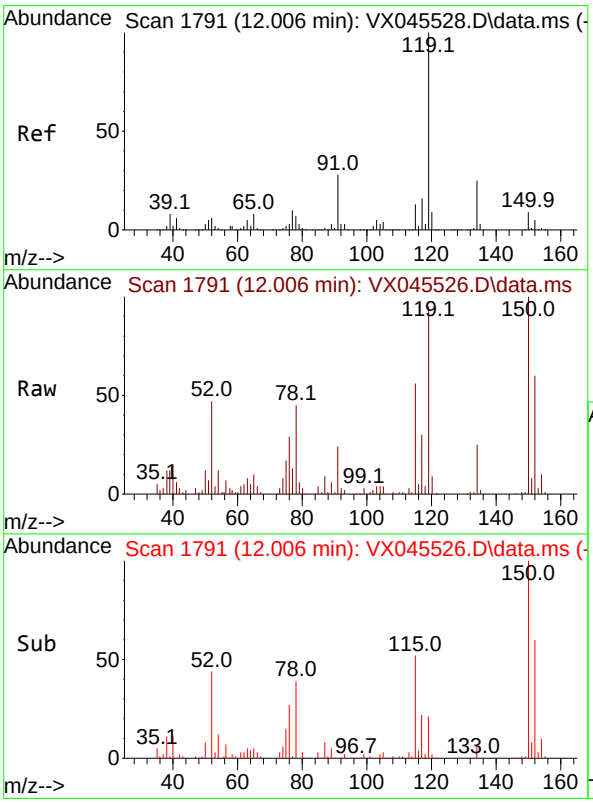
#85
sec-Butylbenzene
Concen: 4.753 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 24465

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

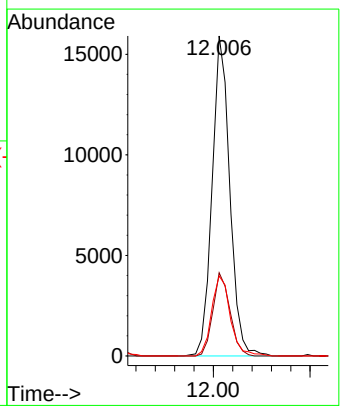


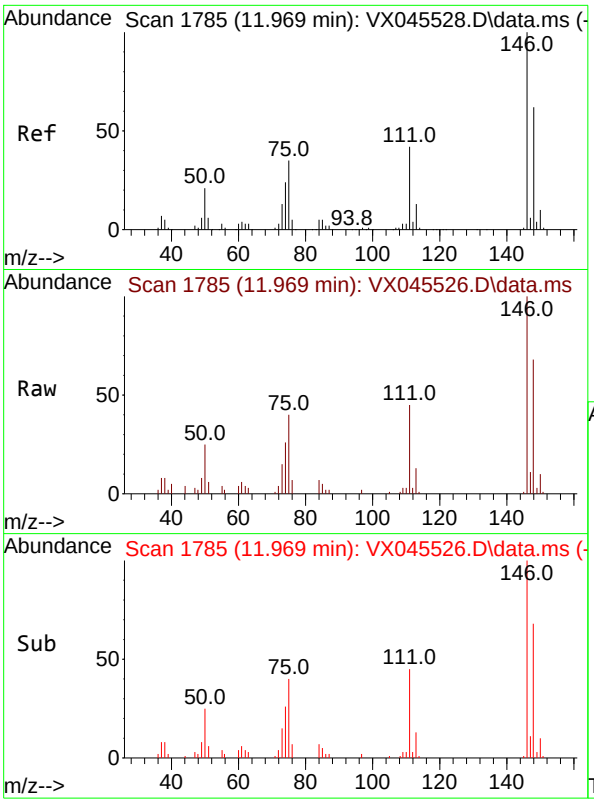


#86
p-Isopropyltoluene
Concen: 4.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:119 Resp: 20178

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	26.4	13.7	41.1



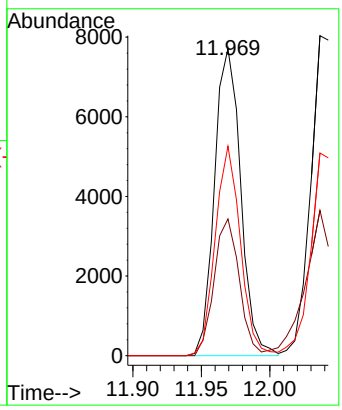


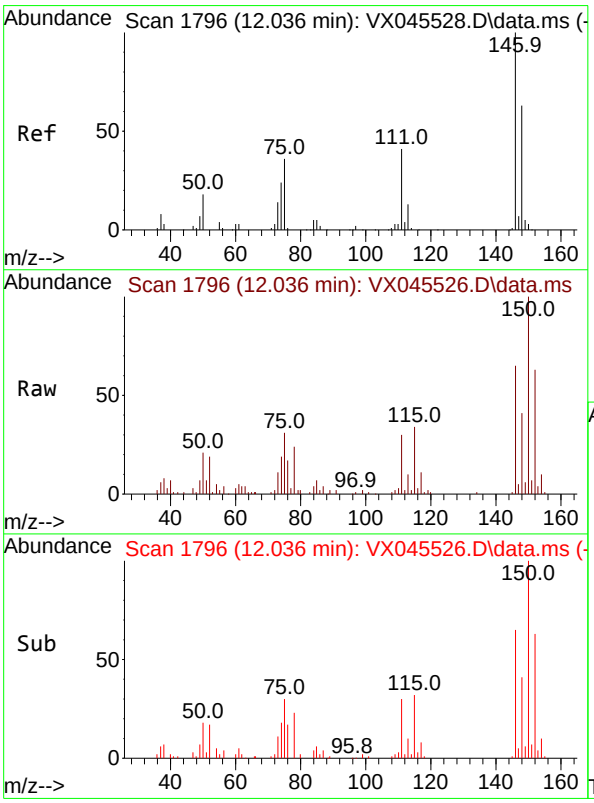
#87
1,3-Dichlorobenzene
Concen: 4.763 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 10255

Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.2	66.6
148	65.7	31.9	95.7

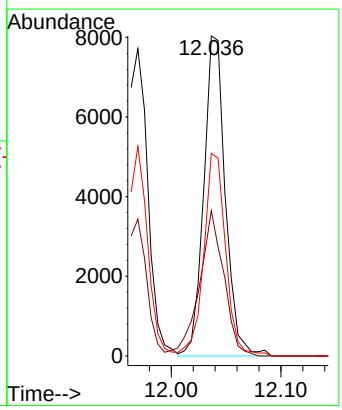


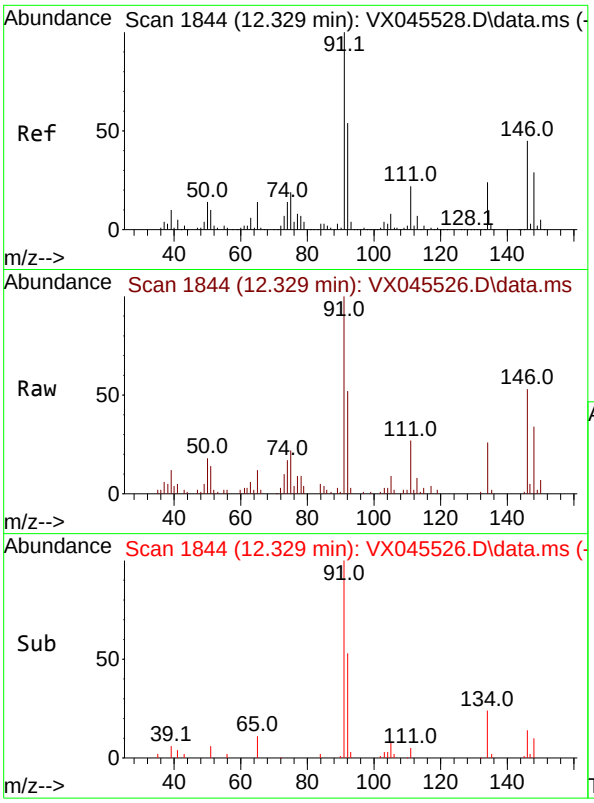


#88
1,4-Dichlorobenzene
Concen: 5.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 11016

Ion	Ratio	Lower	Upper
146	100		
111	51.4	20.9	62.8
148	64.2	31.5	94.5



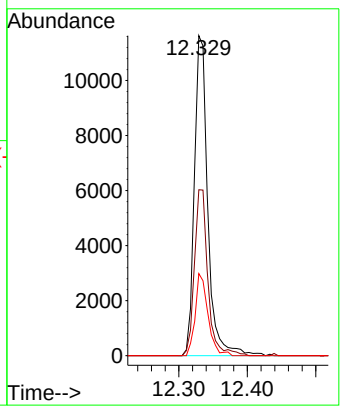


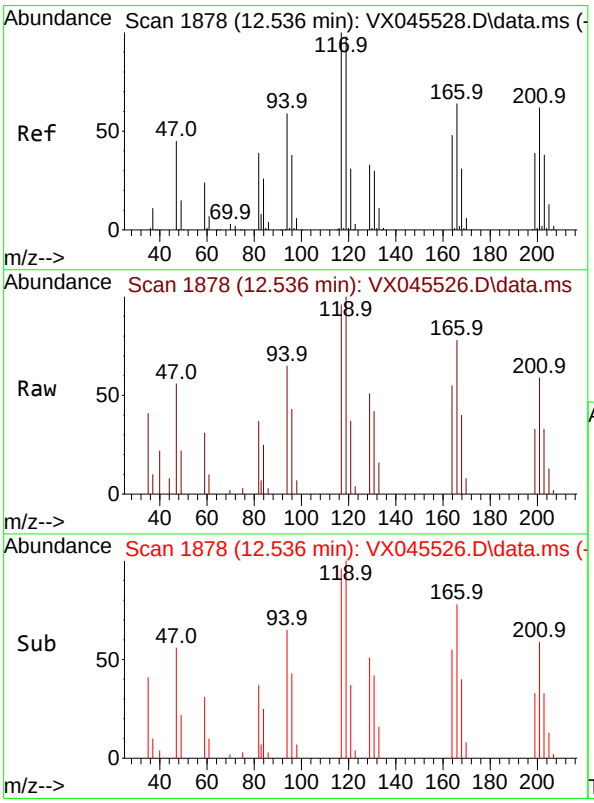
#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 15887

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.4	11.9	35.7

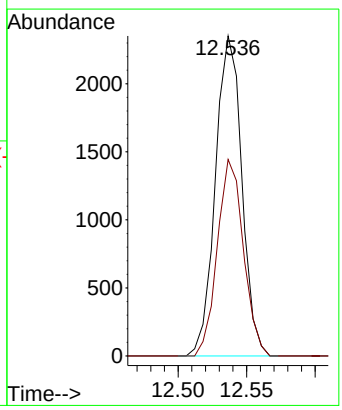


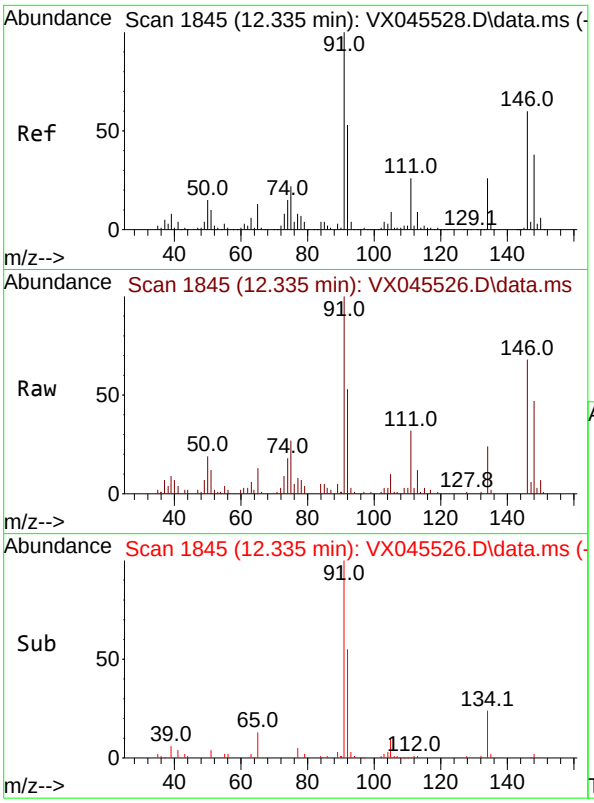


#90
Hexachloroethane
Concen: 4.320 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 3151

Ion	Ratio	Lower	Upper
117	100		
201	60.6	31.2	93.6



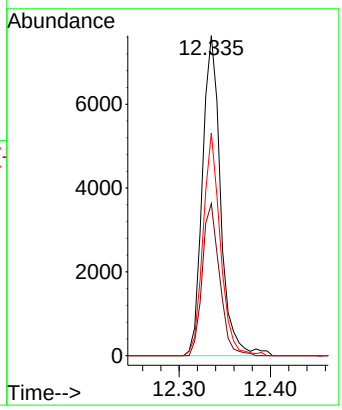


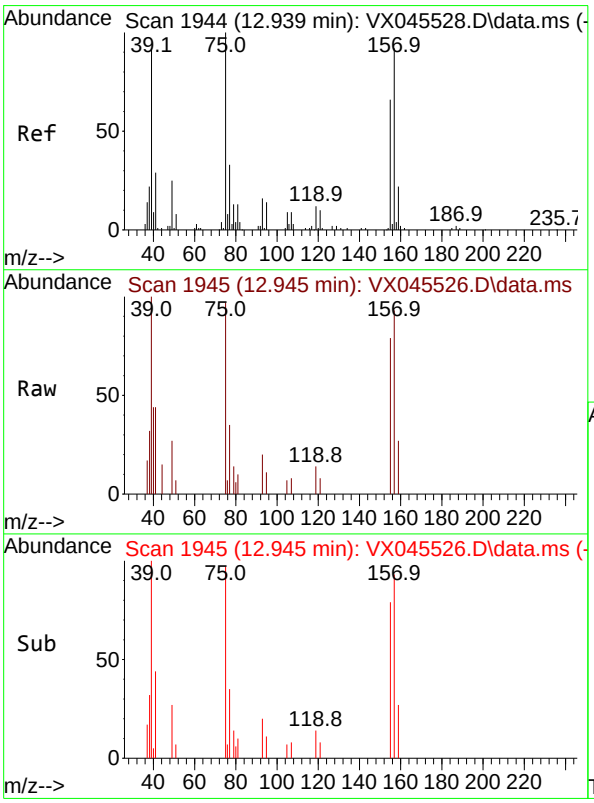
#91
1,2-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 10510

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	66.3	31.9	95.5

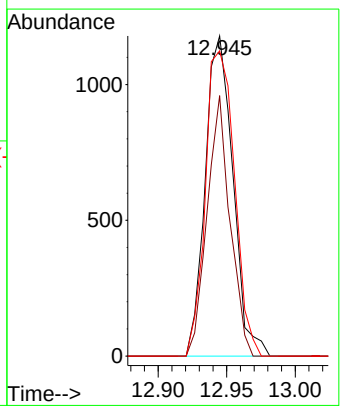


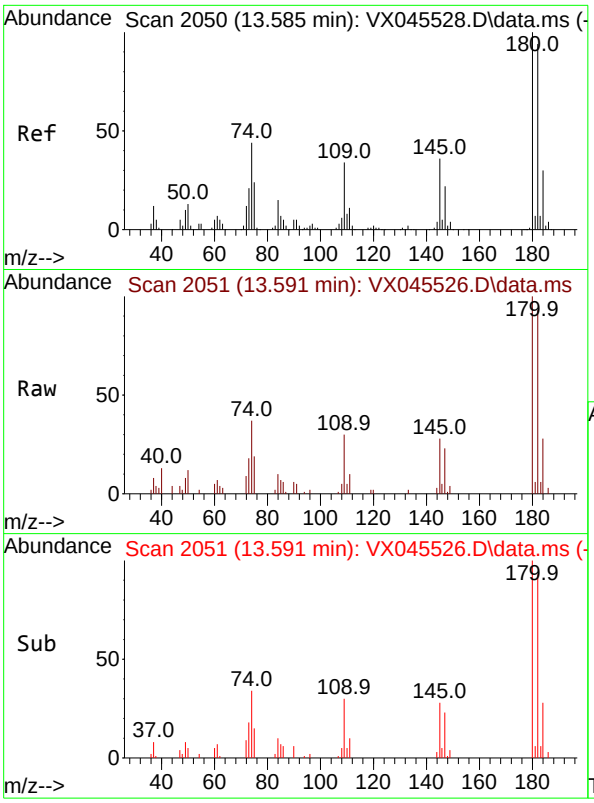


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.417 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 1661

Ion	Ratio	Lower	Upper
75	100		
155	67.3	34.9	104.7
157	100.4	44.9	134.7



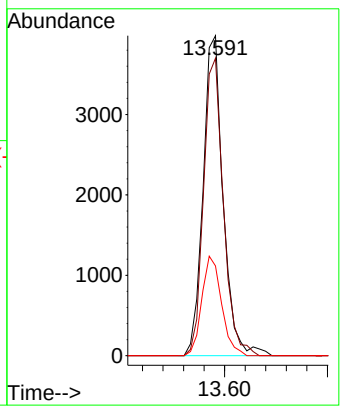


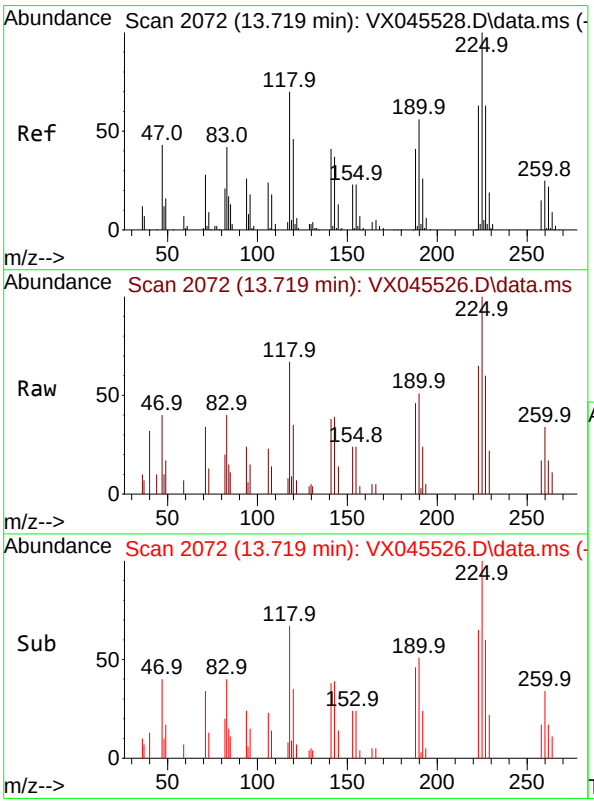
#93
1,2,4-Trichlorobenzene
Concen: 4.524 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 5391

Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.6
145	30.7	17.9	53.8

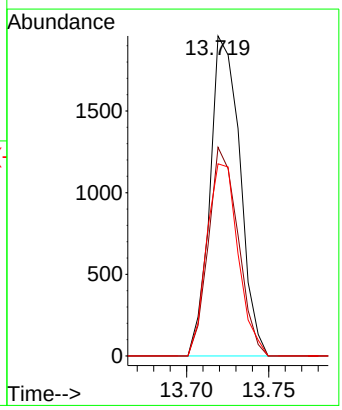


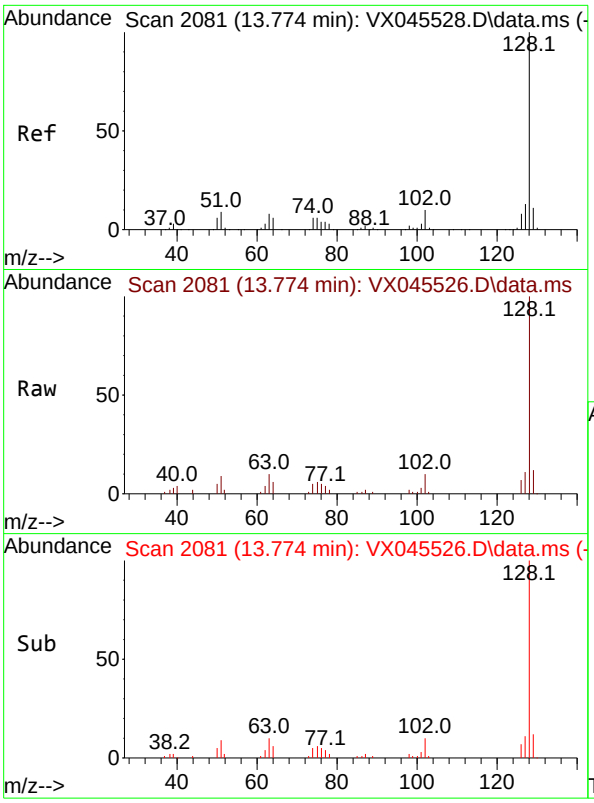


#94
Hexachlorobutadiene
Concen: 4.836 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:225 Resp: 2483

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.1	93.3
227	62.8	32.2	96.6



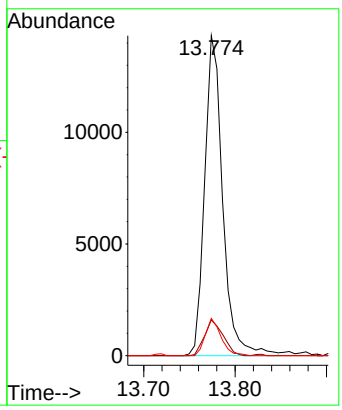


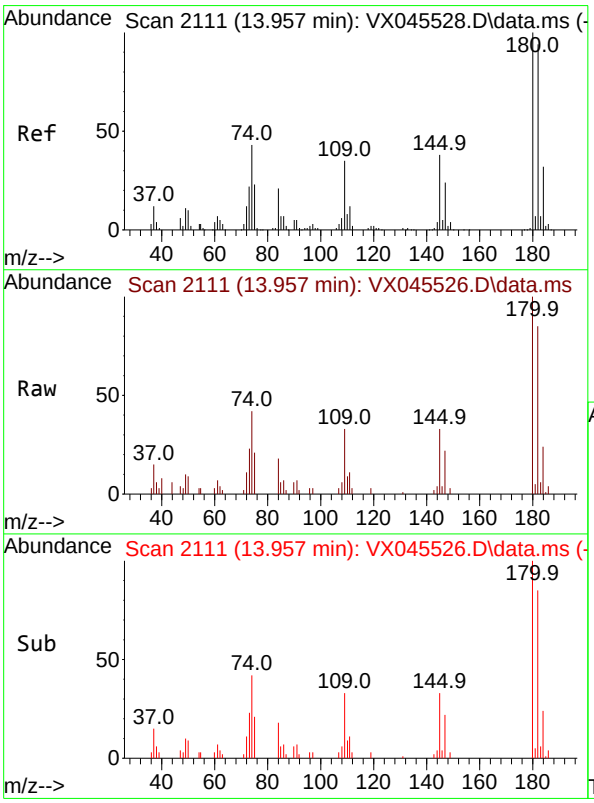
#95
Naphthalene
Concen: 4.424 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 19618

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.2	8.6	12.8

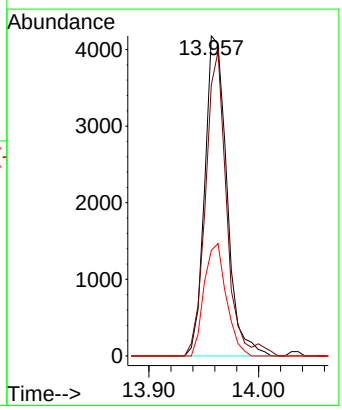




#96
1,2,3-Trichlorobenzene
Concen: 4.692 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 5854

Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.3	141.8
145	35.2	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	90228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	32500	19.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.400%#		
35) Dibromofluoromethane	5.385	113	21963	19.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.520%#		
50) Toluene-d8	8.647	98	79303	19.921	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.840%#		
62) 4-Bromofluorobenzene	11.079	95	28795	19.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25265	18.724	ug/l	97
3) Chloromethane	1.301	50	28034	20.223	ug/l	98
4) Vinyl Chloride	1.374	62	25285	19.931	ug/l	97
5) Bromomethane	1.593	94	11815	19.642	ug/l	99
6) Chloroethane	1.666	64	14071	20.905	ug/l	98
7) Trichlorofluoromethane	1.874	101	38815	20.518	ug/l	98
8) Diethyl Ether	2.136	74	12852	20.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	22917	20.673	ug/l	95
10) Methyl Iodide	2.441	142	28478	20.596	ug/l	99
11) Tert butyl alcohol	2.983	59	22453	101.253	ug/l	100
12) 1,1-Dichloroethene	2.306	96	22103	20.406	ug/l	96
13) Acrolein	2.239	56	28991	94.938	ug/l	99
14) Allyl chloride	2.660	41	41233	20.063	ug/l	99
15) Acrylonitrile	3.062	53	74487	106.412	ug/l	98
16) Acetone	2.386	43	69788	103.000	ug/l	99
17) Carbon Disulfide	2.502	76	51771	19.352	ug/l	98
18) Methyl Acetate	2.703	43	31190	19.994	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	78284	20.660	ug/l	96
20) Methylene Chloride	2.782	84	26212	20.664	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	22968	20.755	ug/l	92
22) Diisopropyl ether	3.757	45	84046	20.760	ug/l #	81
23) Vinyl Acetate	3.721	43	361881	103.458	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47560	20.772	ug/l	99
25) 2-Butanone	4.556	43	105062	105.931	ug/l	99
26) 2,2-Dichloropropane	4.471	77	28956	19.574	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27425	20.342	ug/l	98
28) Bromochloromethane	4.897	49	22285	20.141	ug/l	100
29) Tetrahydrofuran	5.007	42	66994	104.187	ug/l	99
30) Chloroform	5.093	83	48639	20.646	ug/l	100
31) Cyclohexane	5.458	56	41450	20.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	40407	20.270	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30504	19.808	ug/l	98
37) Ethyl Acetate	4.715	43	39163	20.180	ug/l	98
38) Carbon Tetrachloride	5.672	117	33533	20.148	ug/l	94
39) Methylcyclohexane	7.373	83	38303	20.291	ug/l	97
40) Benzene	6.031	78	97667	20.766	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21740	21.046	ug/l		97
42) 1,2-Dichloroethane	6.086	62	41733	21.484	ug/l		100
43) Isopropyl Acetate	6.342	43	61222	20.814	ug/l		99
44) Trichloroethene	7.123	130	22918	20.501	ug/l		97
45) 1,2-Dichloropropane	7.428	63	24926	21.241	ug/l		90
46) Dibromomethane	7.580	93	19104	21.207	ug/l		99
47) Bromodichloromethane	7.818	83	37036	20.587	ug/l		99
48) Methyl methacrylate	7.696	41	31247	20.575	ug/l		99
49) 1,4-Dioxane	7.659	88	12104	440.515	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	212645	109.055	ug/l		99
52) Toluene	8.714	92	60357	21.208	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29870	18.764	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	35099	20.762	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	24191	21.331	ug/l		96
56) Ethyl methacrylate	9.116	69	36155	20.600	ug/l		99
57) 1,3-Dichloropropane	9.305	76	41900	21.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	91923	103.534	ug/l		100
59) 2-Hexanone	9.427	43	156999	108.730	ug/l		99
60) Dibromochloromethane	9.519	129	25992	21.023	ug/l		98
61) 1,2-Dibromoethane	9.604	107	24456	21.303	ug/l		99
64) Tetrachloroethene	9.269	164	21379	21.015	ug/l		98
65) Chlorobenzene	10.079	112	64727	21.023	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21447	20.064	ug/l		98
67) Ethyl Benzene	10.189	91	115368	20.921	ug/l		99
68) m/p-Xylenes	10.299	106	84420	42.092	ug/l		99
69) o-Xylene	10.640	106	41803	21.158	ug/l		100
70) Styrene	10.653	104	69290	21.249	ug/l		99
71) Bromoform	10.799	173	15659	19.619	ug/l	#	99
73) Isopropylbenzene	10.957	105	110396	21.093	ug/l		100
74) N-amyl acetate	10.842	43	51238	20.466	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38177	20.764	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	40414	25.357	ug/l		89
77) Bromobenzene	11.195	156	24902	20.592	ug/l		100
78) n-propylbenzene	11.299	91	130994	21.729	ug/l		98
79) 2-Chlorotoluene	11.360	91	81817	21.229	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	93328	21.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8435	17.961	ug/l		88
82) 4-Chlorotoluene	11.451	91	90704	21.108	ug/l		99
83) tert-Butylbenzene	11.713	119	89828	20.964	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	92242	21.235	ug/l		100
85) sec-Butylbenzene	11.890	105	112800	21.433	ug/l		100
86) p-Isopropyltoluene	12.006	119	91866	21.173	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	45105	20.490	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	46208	20.706	ug/l		99
89) n-Butylbenzene	12.329	91	77739	20.662	ug/l		100
90) Hexachloroethane	12.536	117	14544	19.505	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	45732	20.896	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8153	21.203	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	24787	20.347	ug/l		98
94) Hexachlorobutadiene	13.725	225	10488	19.979	ug/l		97
95) Naphthalene	13.774	128	94875	20.928	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	26113	20.471	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

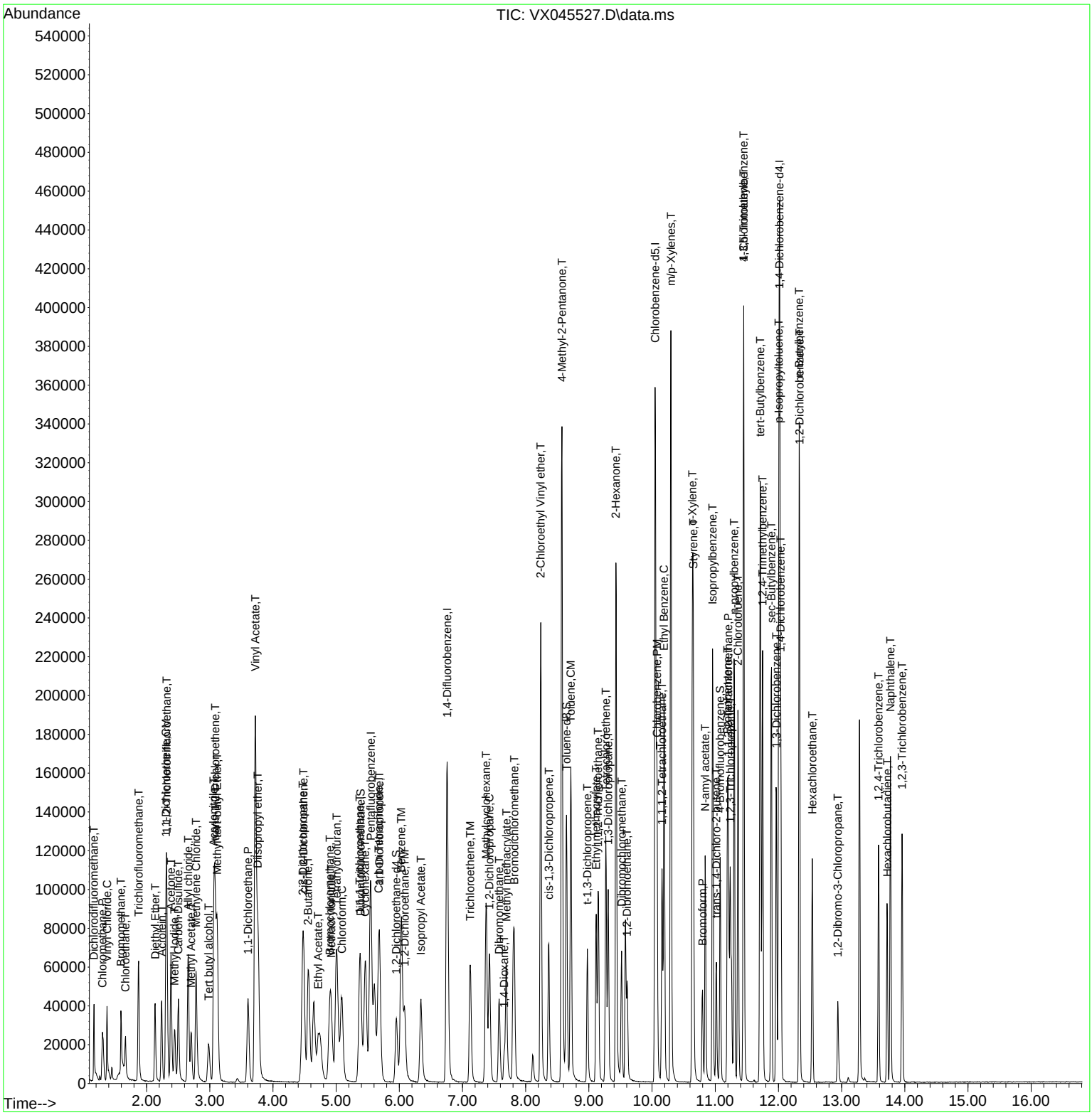
(#) = qualifier out of range (m) = manual integration (+) = signals summed

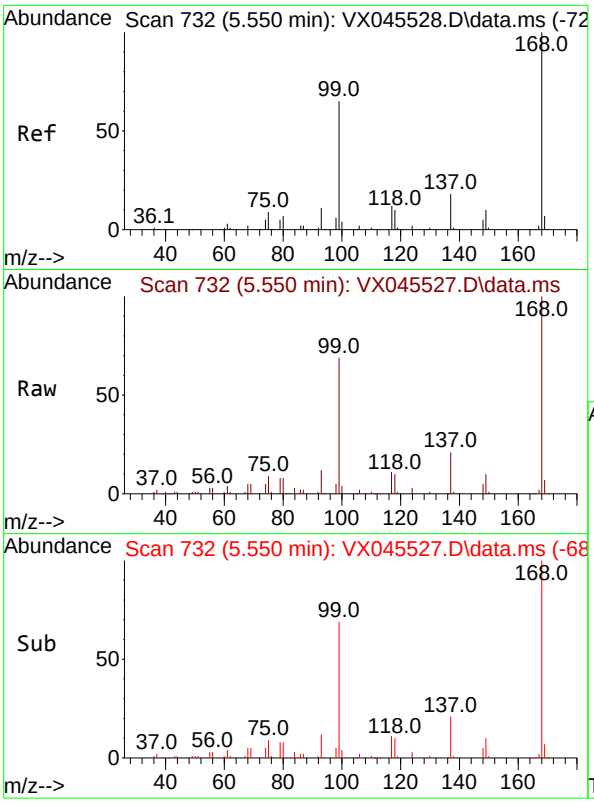
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



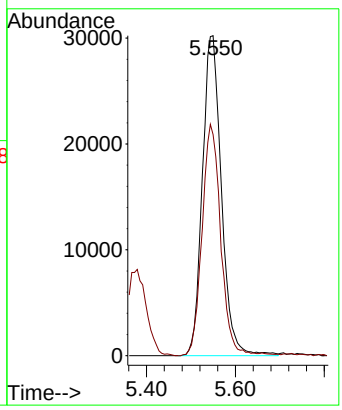


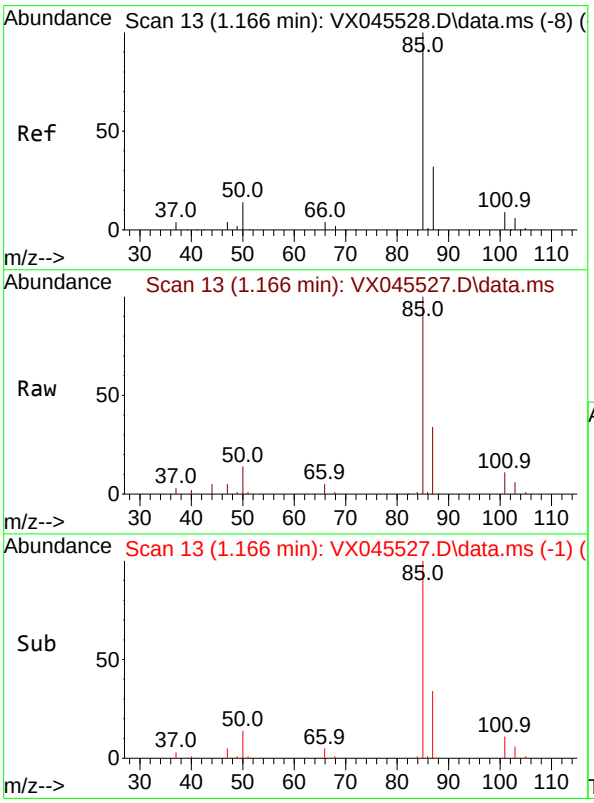
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 90228

Ion	Ratio	Lower	Upper
168	100		
99	69.1	52.3	78.5

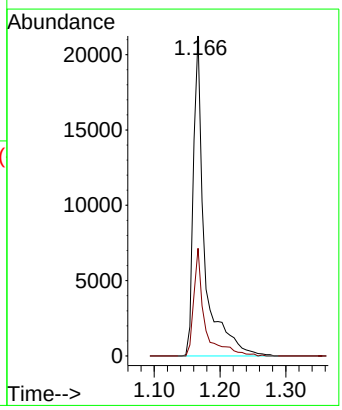


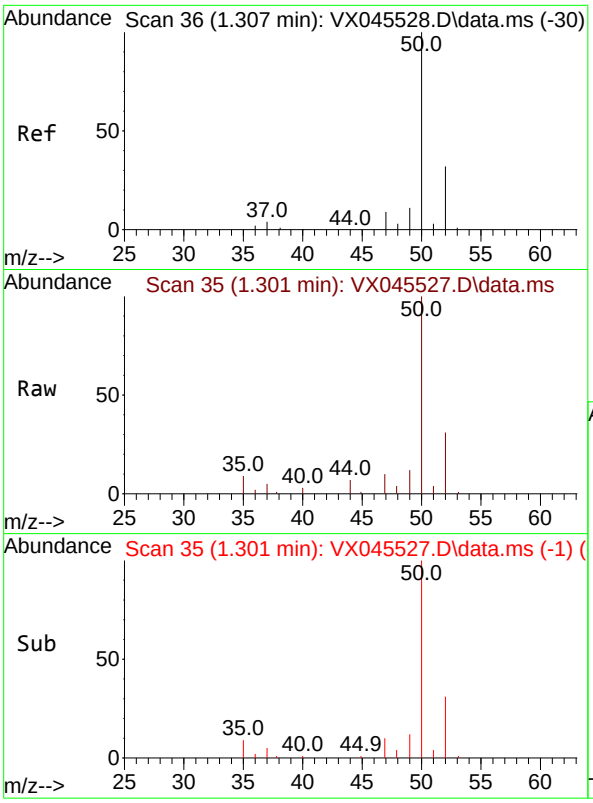


#2
Dichlorodifluoromethane
Concen: 18.724 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 85 Resp: 25265

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.1	48.2



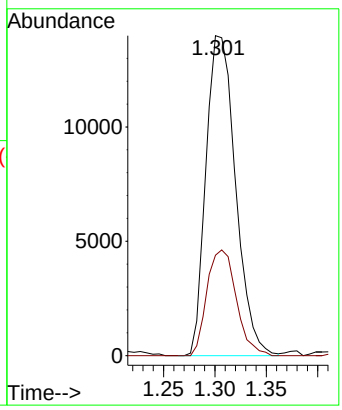


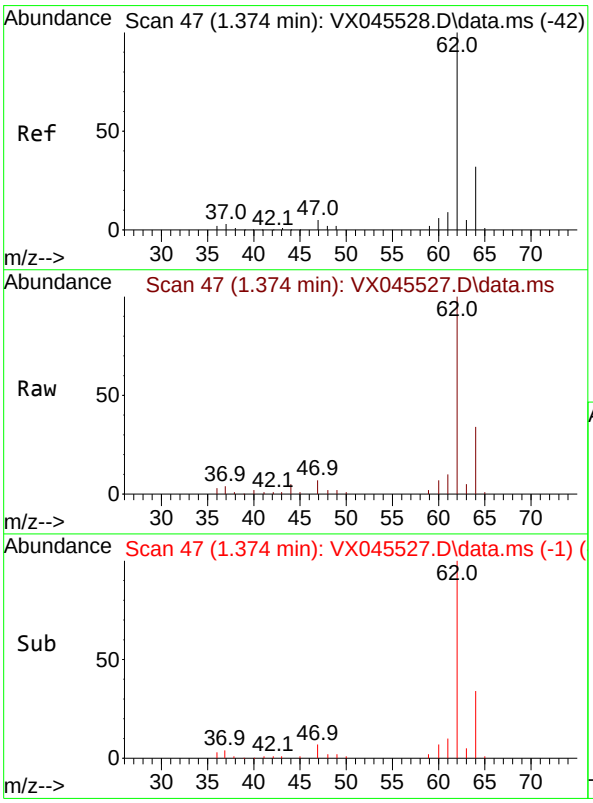
#3
Chloromethane
Concen: 20.223 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 28034

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.9	38.9

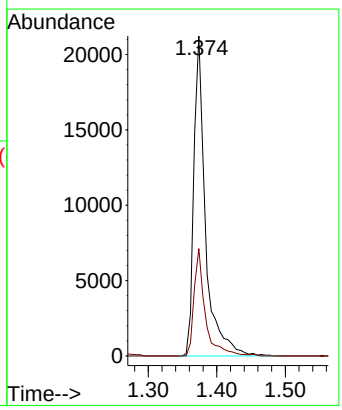


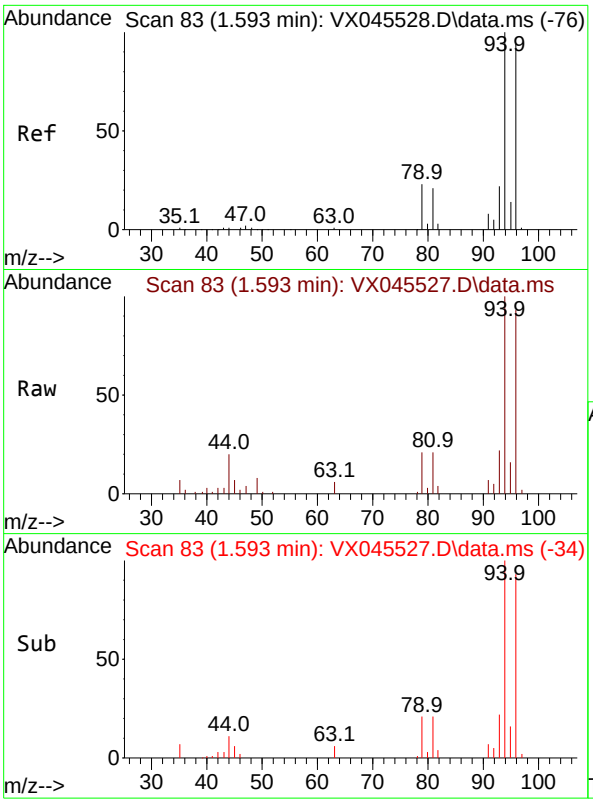


#4
Vinyl Chloride
Concen: 19.931 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 25285

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3



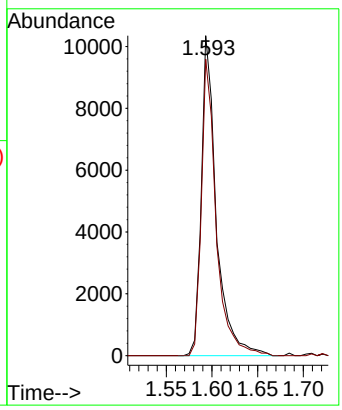


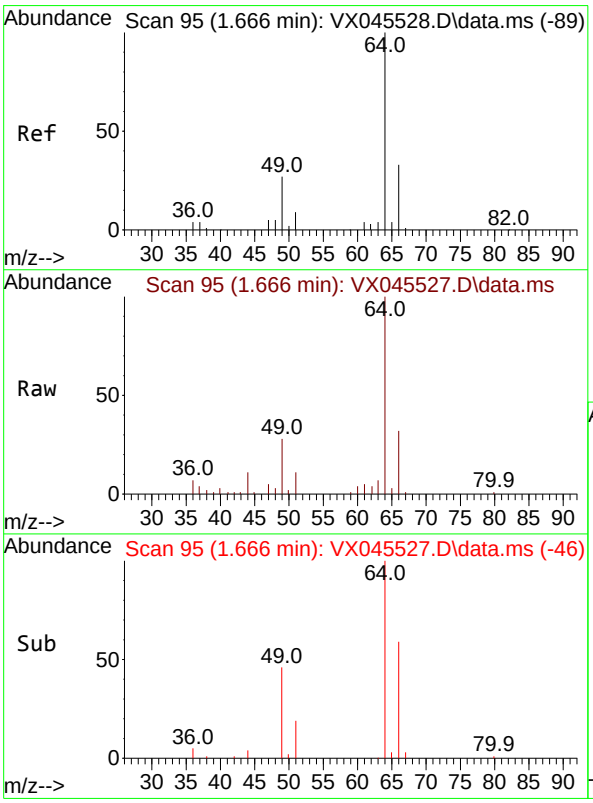
#5
Bromomethane
Concen: 19.642 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11815

Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.8	112.2

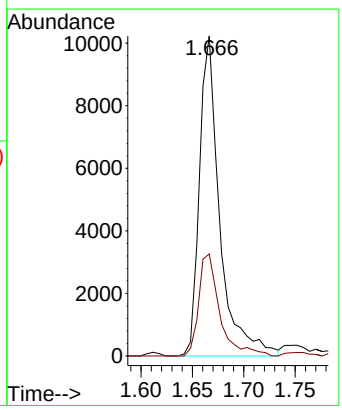


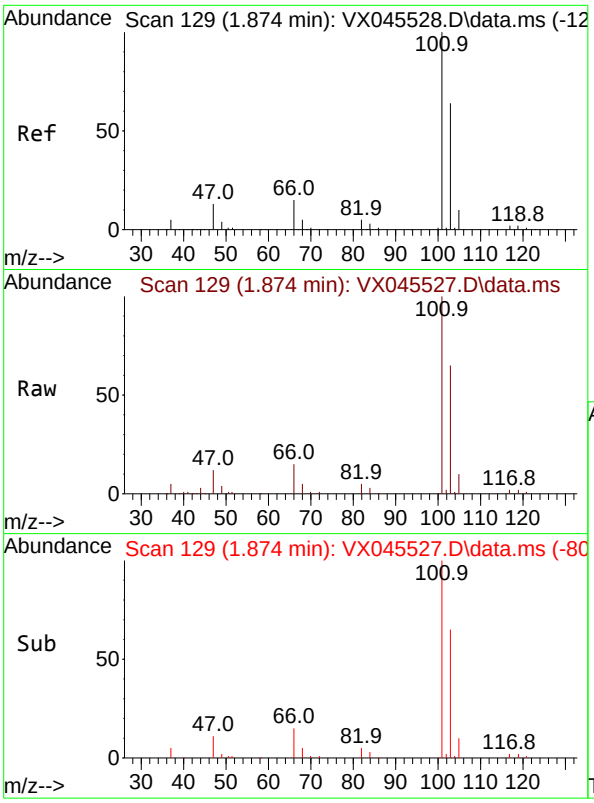


#6
Chloroethane
Concen: 20.905 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 64 Resp: 14071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.3	39.5



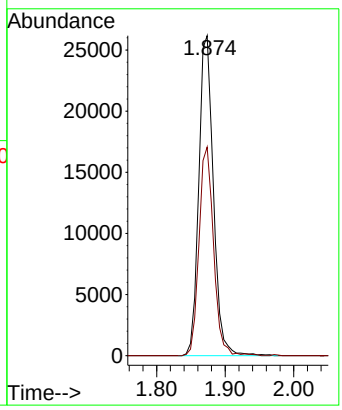


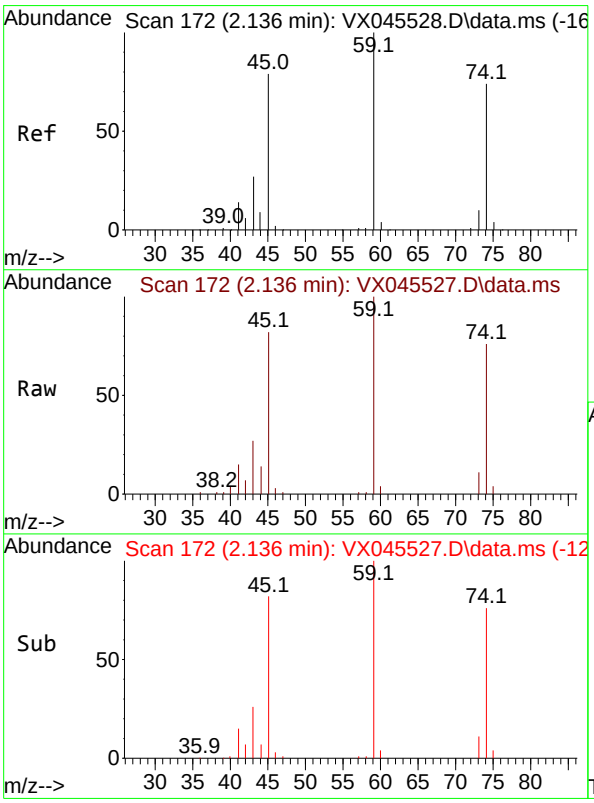
#7
Trichlorofluoromethane
Concen: 20.518 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 38815

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.1	76.7

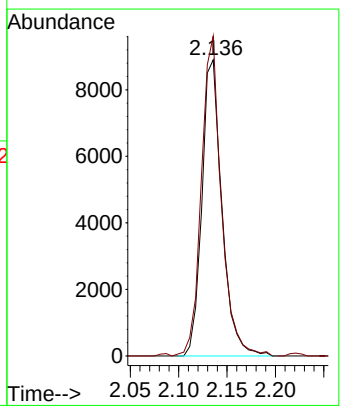


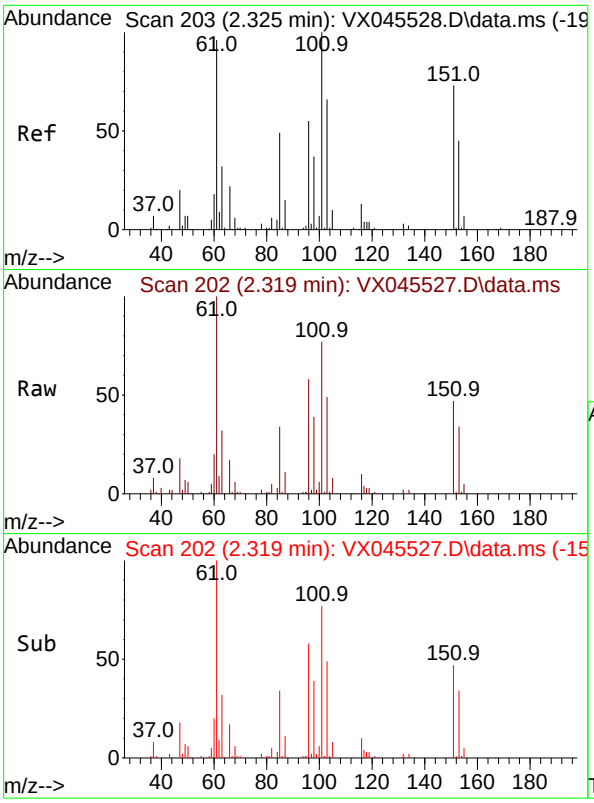


#8
Diethyl Ether
Concen: 20.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 74 Resp: 12852

Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.0	159.1



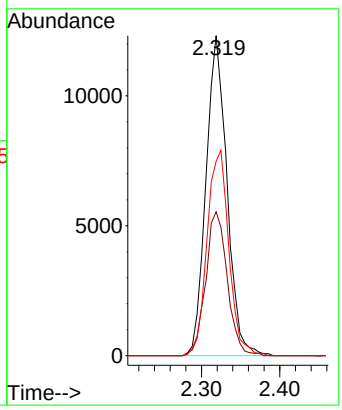


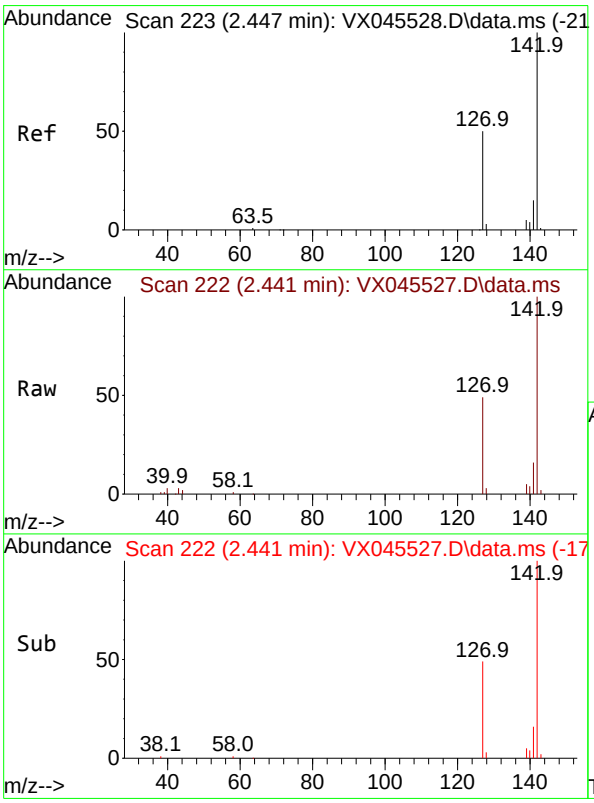
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.673 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 22917

Ion	Ratio	Lower	Upper
101	100		
85	46.2	38.9	58.3
151	66.8	57.5	86.3

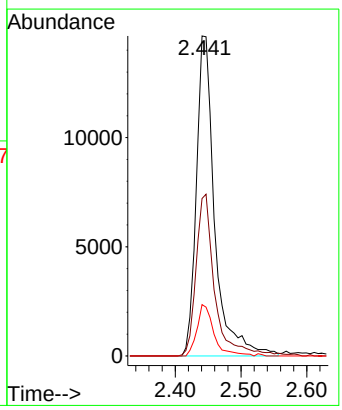


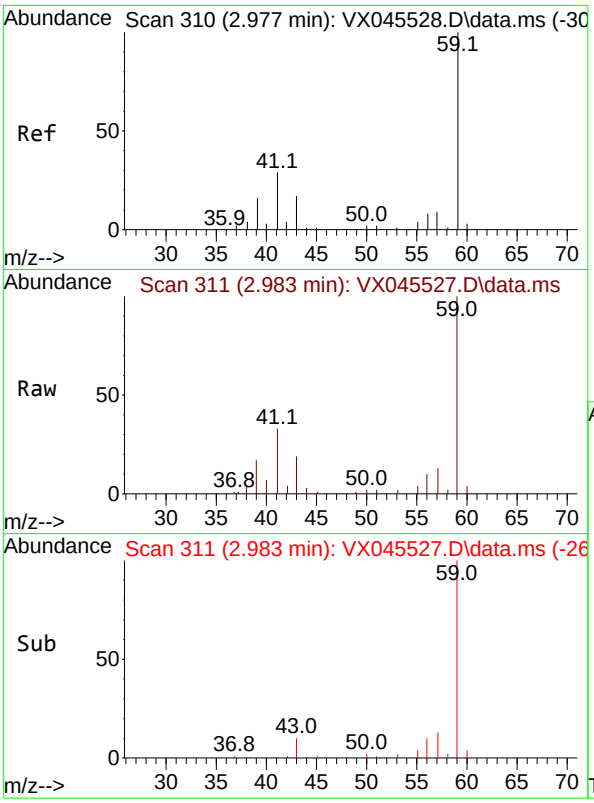


#10
Methyl Iodide
Concen: 20.596 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:142 Resp: 28478

Ion	Ratio	Lower	Upper
142	100		
127	51.5	40.2	60.4
141	14.8	11.7	17.5



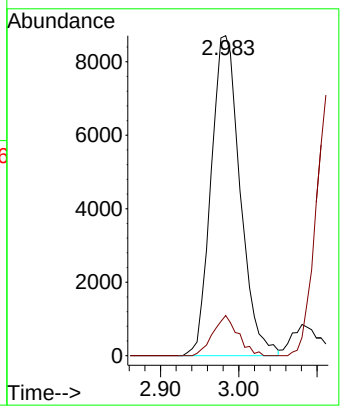


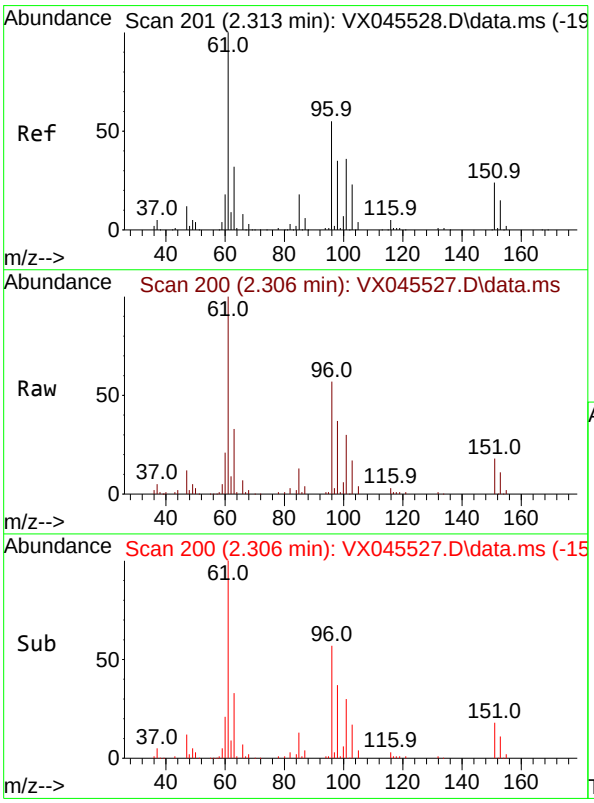
#11
Tert butyl alcohol
Concen: 101.253 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 22453

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

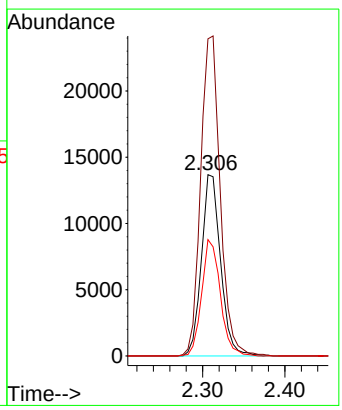


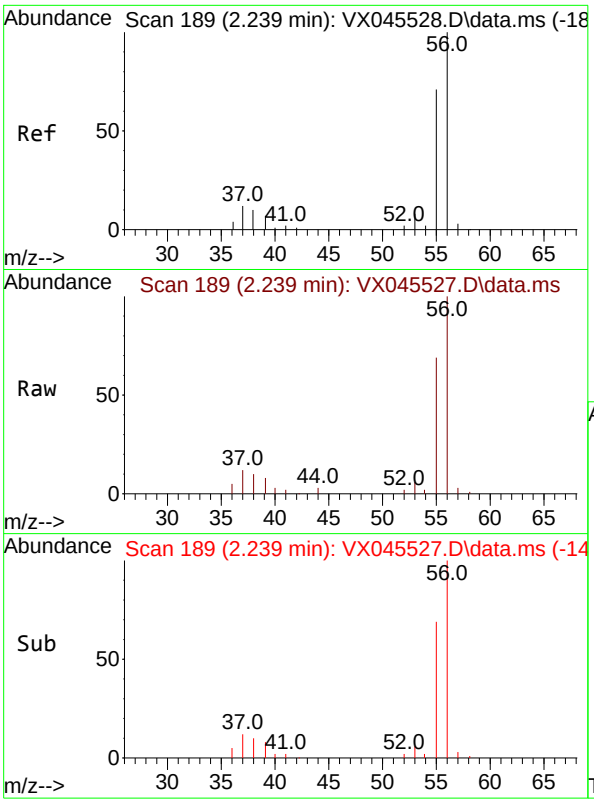


#12
1,1-Dichloroethene
Concen: 20.406 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 22103

Ion	Ratio	Lower	Upper
96	100		
61	175.0	145.7	218.5
98	64.2	51.6	77.4



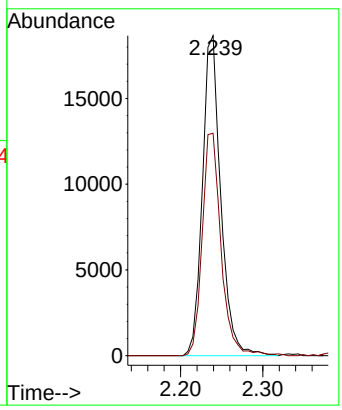


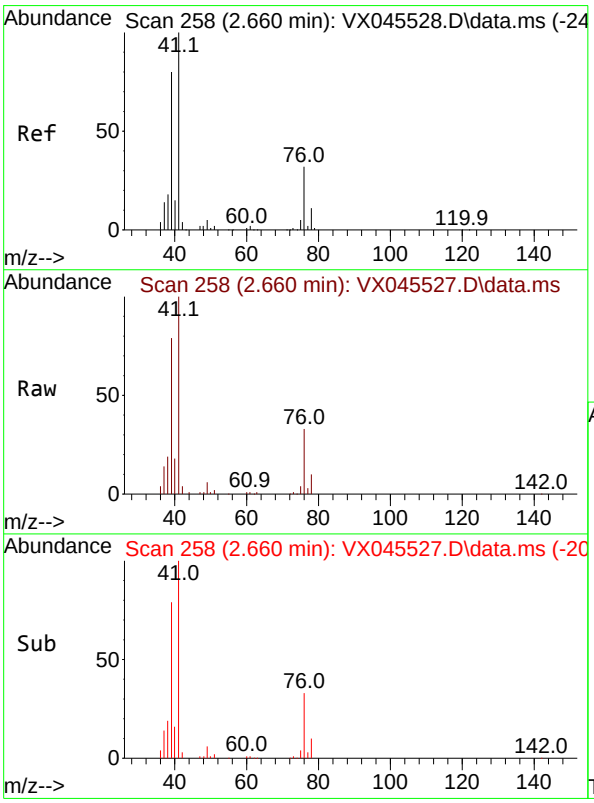
#13
Acrolein
Concen: 94.938 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 28991

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2

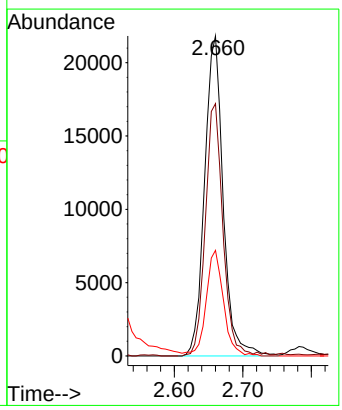


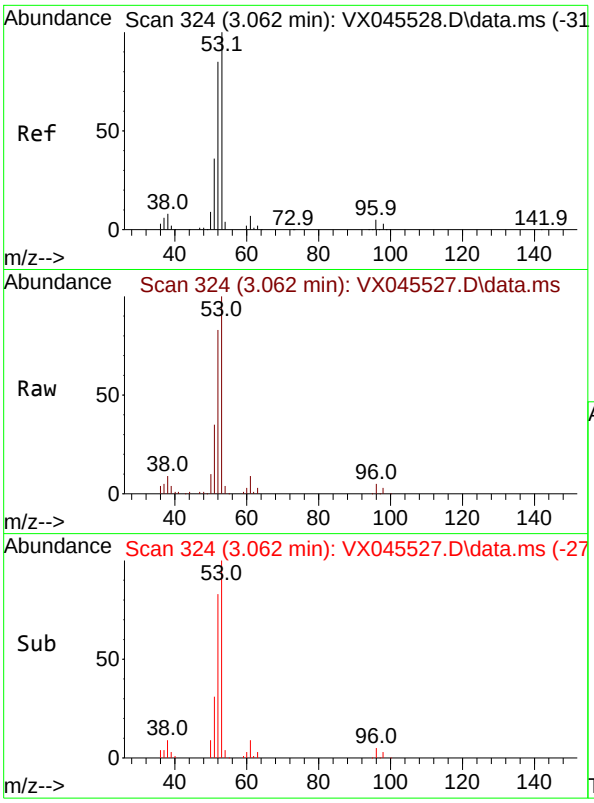


#14
Allyl chloride
Concen: 20.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 41233

Ion	Ratio	Lower	Upper
41	100		
39	74.2	60.2	90.2
76	31.0	24.6	36.8



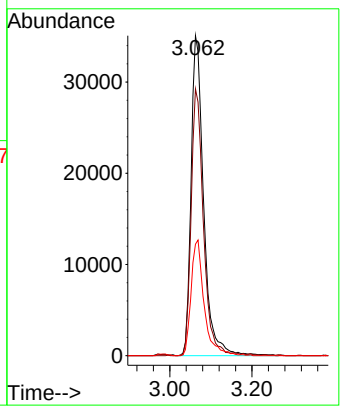


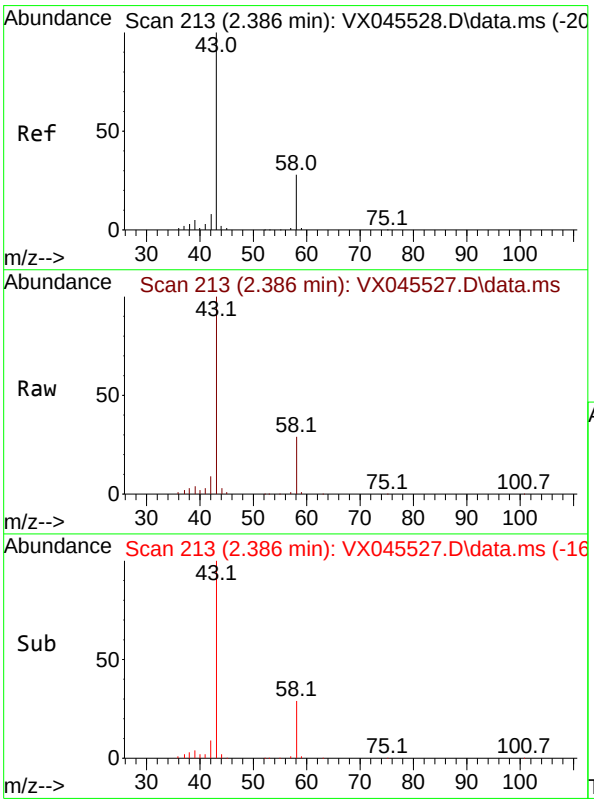
#15
Acrylonitrile
Concen: 106.412 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 74487

Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	37.6	29.9	44.9

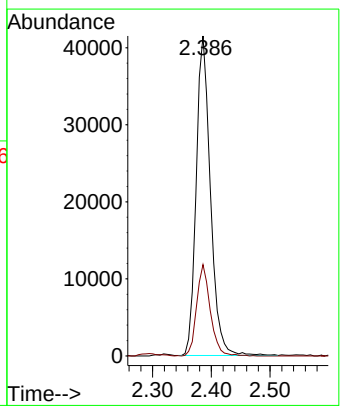


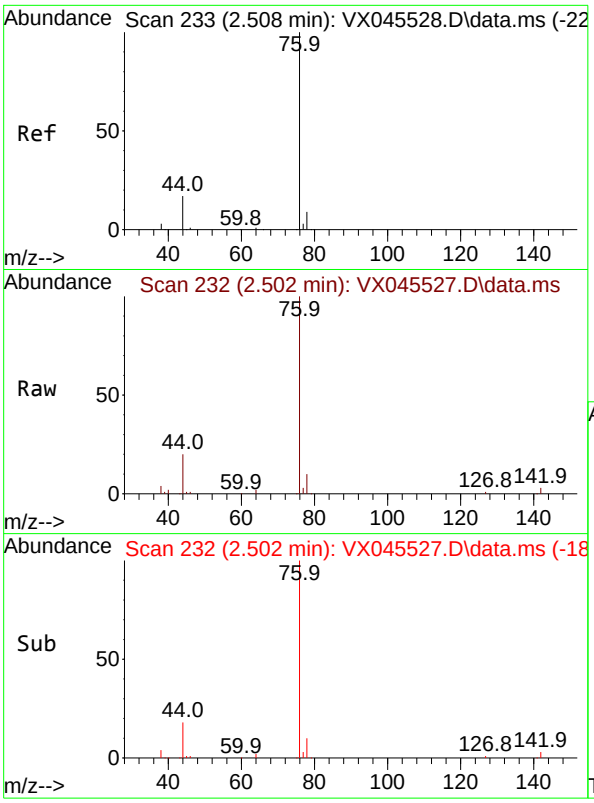


#16
Acetone
Concen: 103.000 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 69788

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5



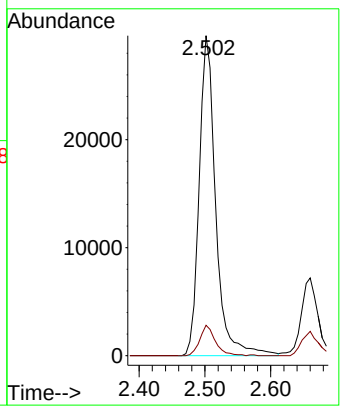


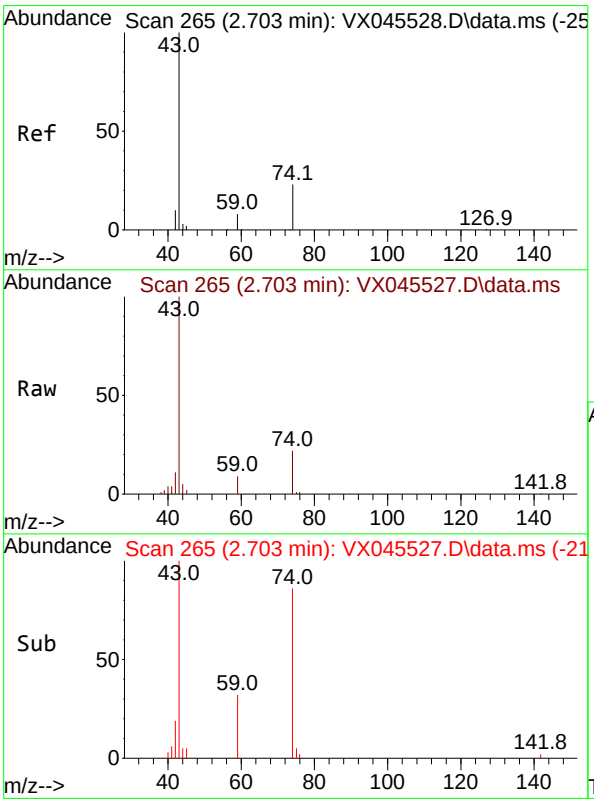
#17
Carbon Disulfide
Concen: 19.352 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 51771

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

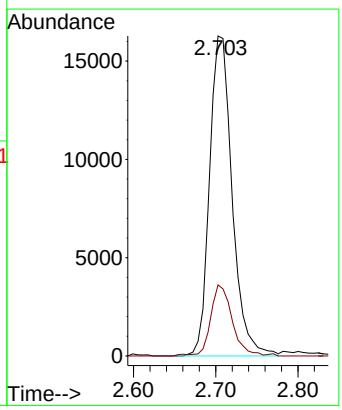


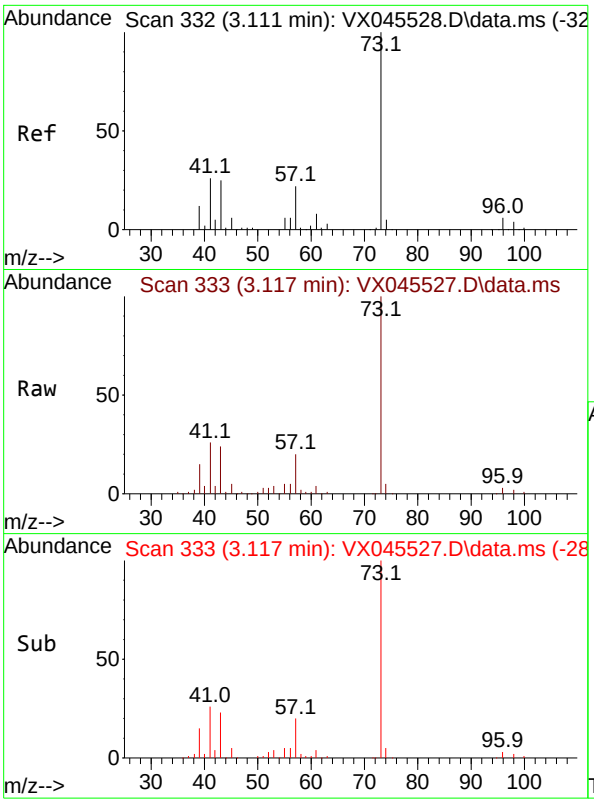


#18
Methyl Acetate
Concen: 19.994 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 31190

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3



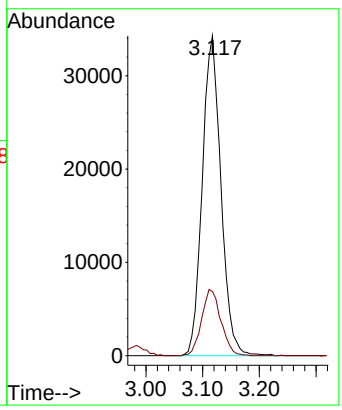


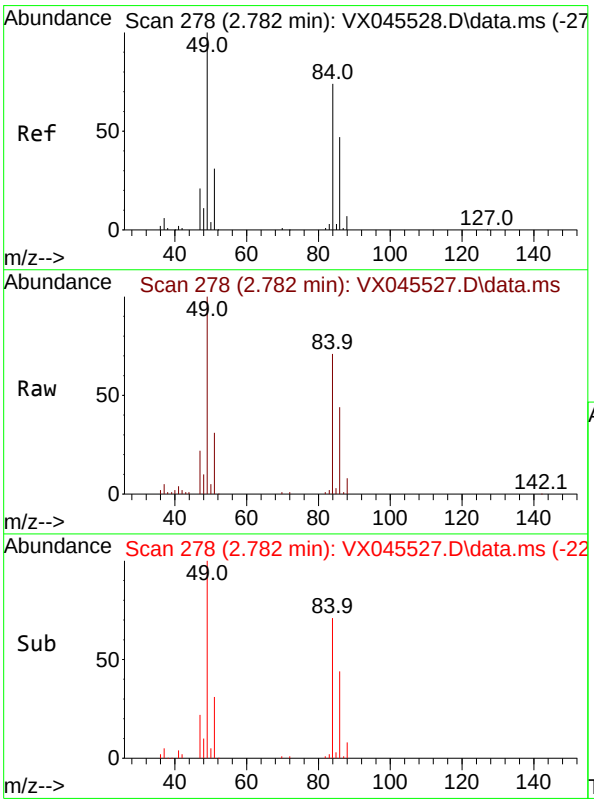
#19
Methyl tert-butyl Ether
Concen: 20.660 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 78284

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4

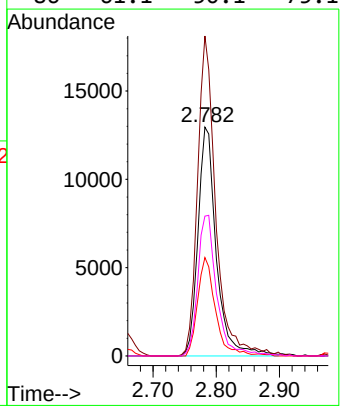


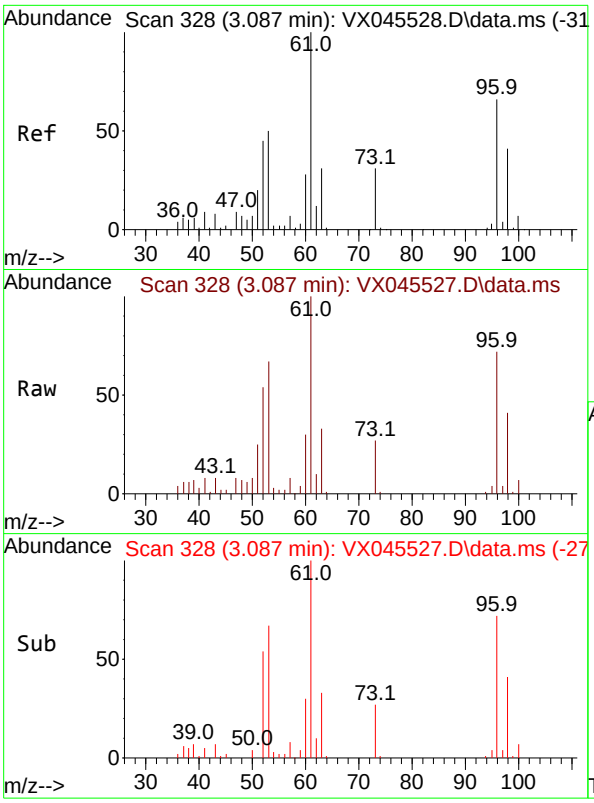


#20
Methylene Chloride
Concen: 20.664 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 84 Resp: 26212

Ion	Ratio	Lower	Upper
84	100		
49	139.9	107.5	161.3
51	43.0	33.0	49.6
86	61.1	50.1	75.1



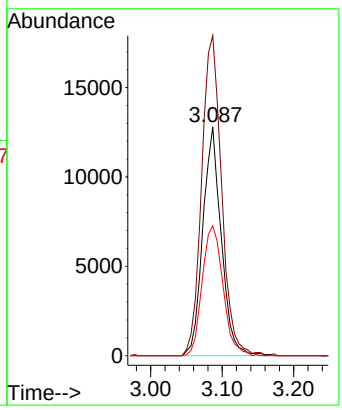


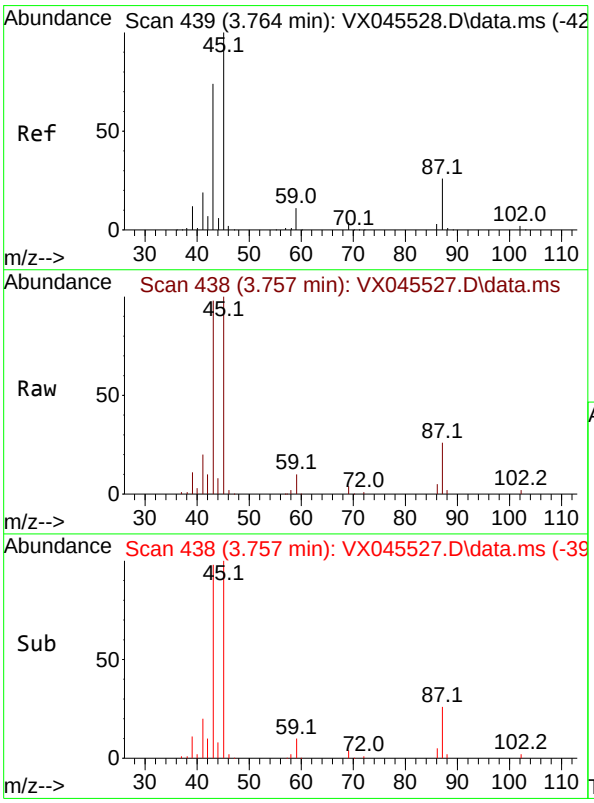
#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 22968

Ion	Ratio	Lower	Upper
96	100		
61	139.8	121.0	181.6
98	56.7	49.7	74.5

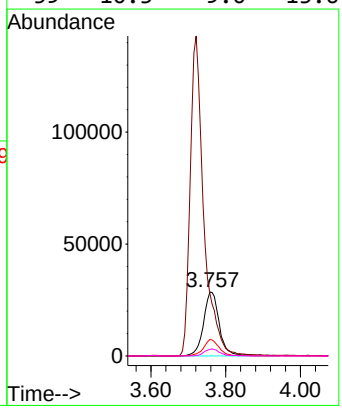


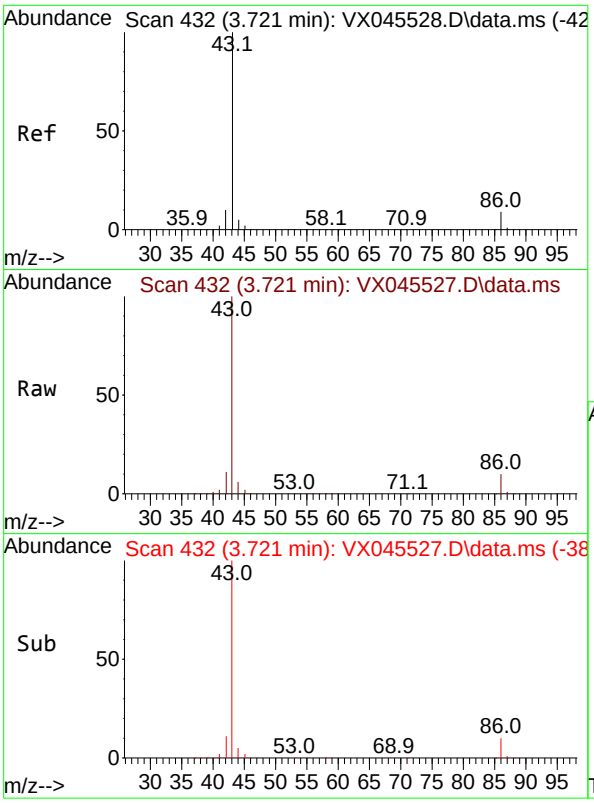


#22
Diisopropyl ether
Concen: 20.760 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 45 Resp: 84046

Ion	Ratio	Lower	Upper
45	100		
43	98.0	59.3	88.9#
87	25.9	20.4	30.6
59	10.3	9.0	13.6



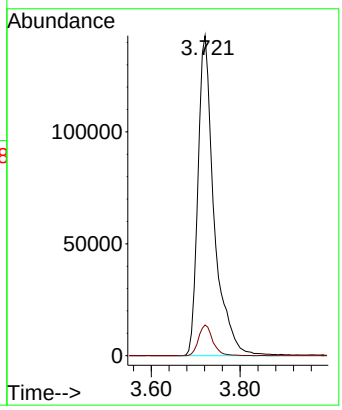


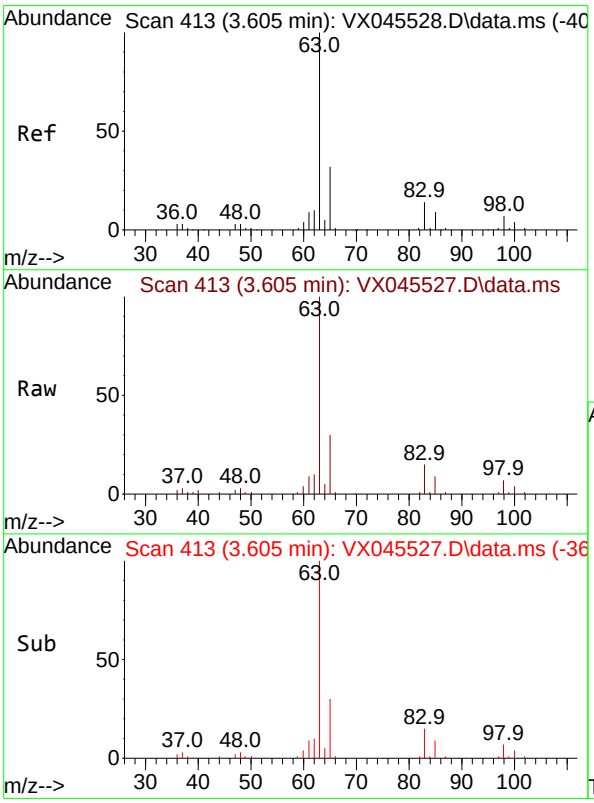
#23
Vinyl Acetate
Concen: 103.458 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 361881

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

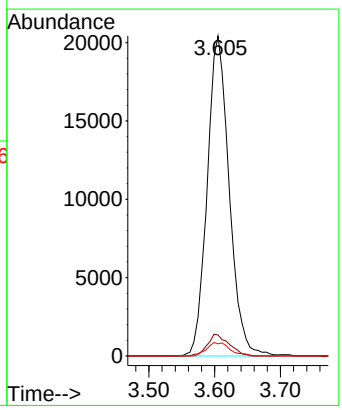


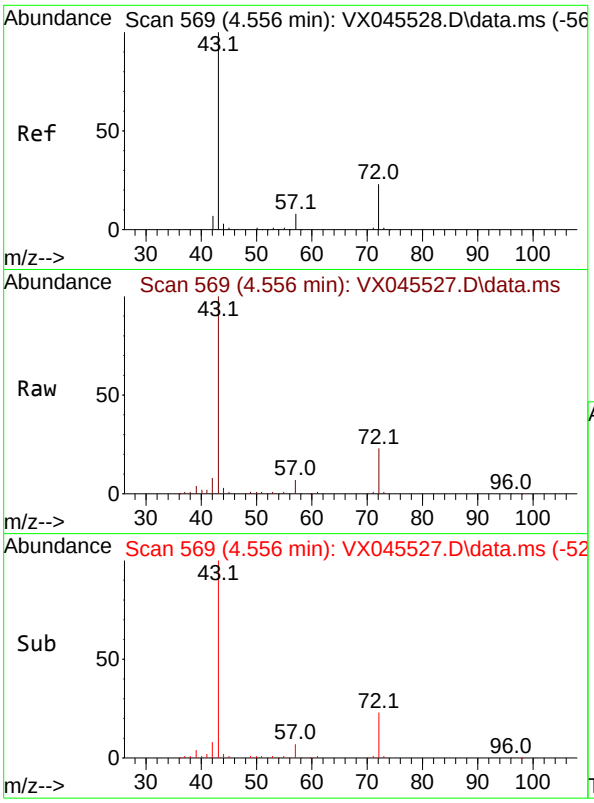


#24
1,1-Dichloroethane
Concen: 20.772 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 47560

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.8	2.2	6.6



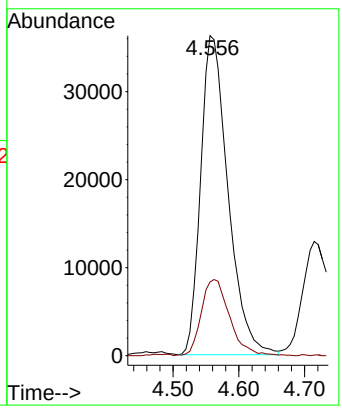


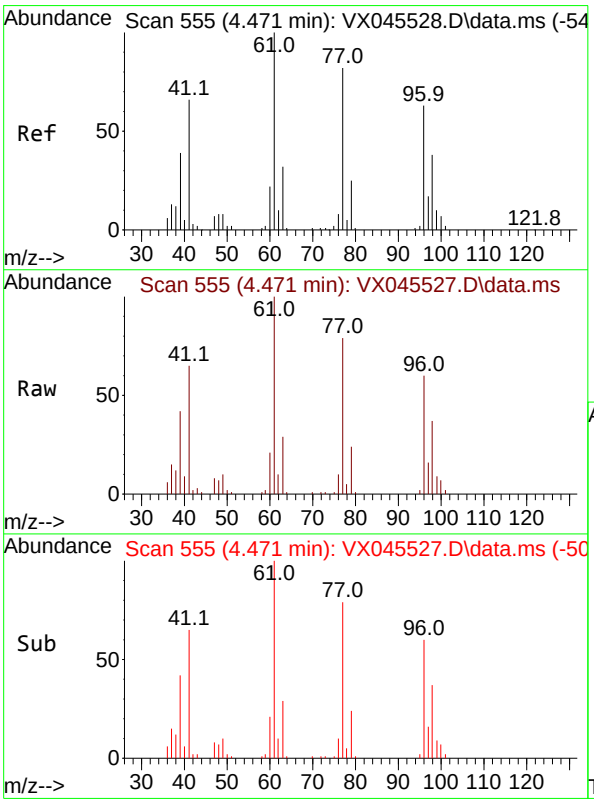
#25
2-Butanone
Concen: 105.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 105062

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0

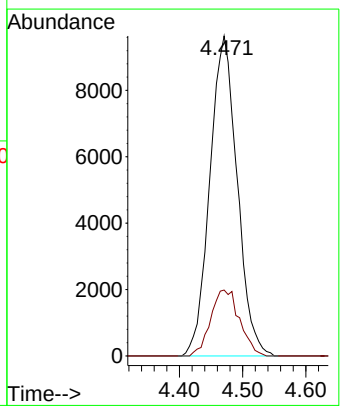


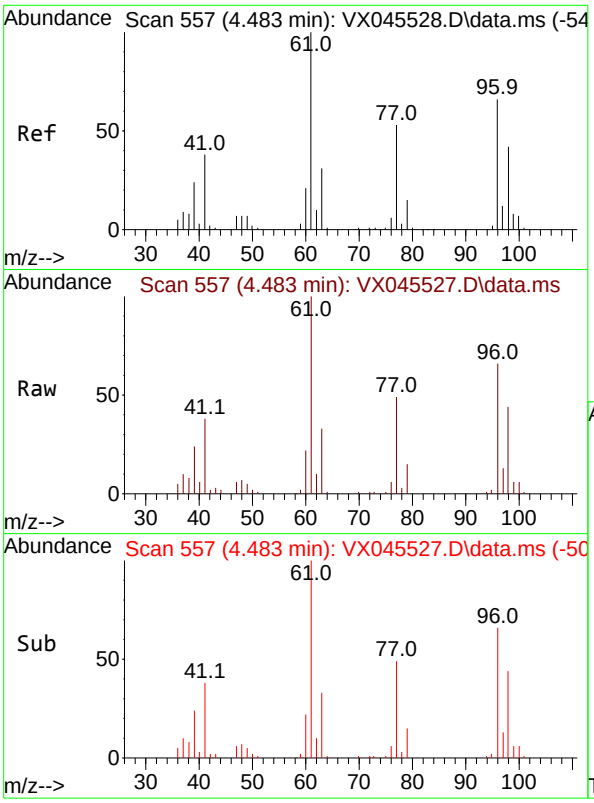


#26
2,2-Dichloropropane
Concen: 19.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 77 Resp: 28956

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8



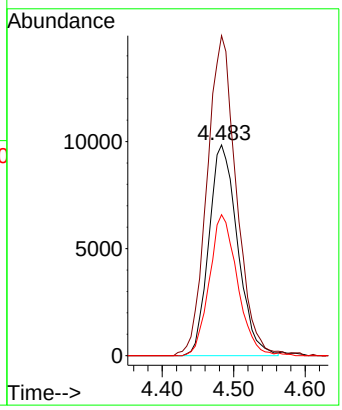


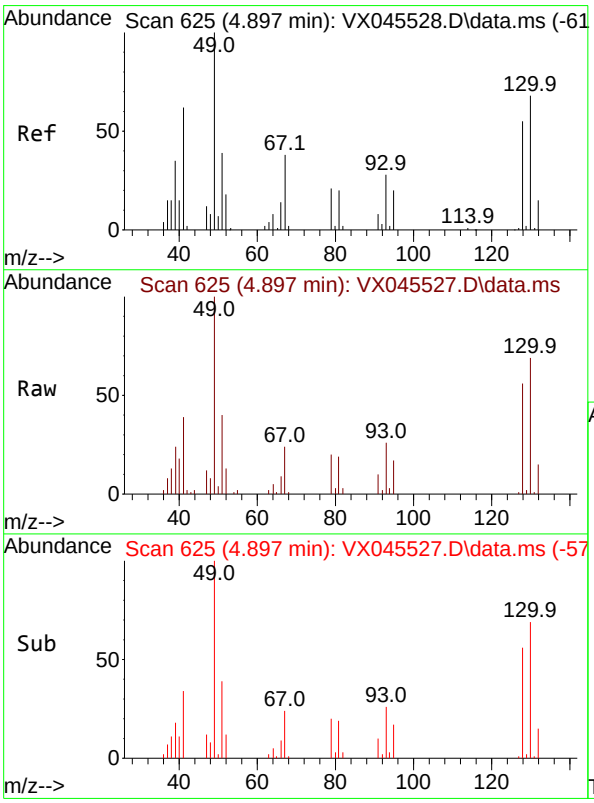
#27
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 27425

Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	313.2
98	65.5	0.0	126.4

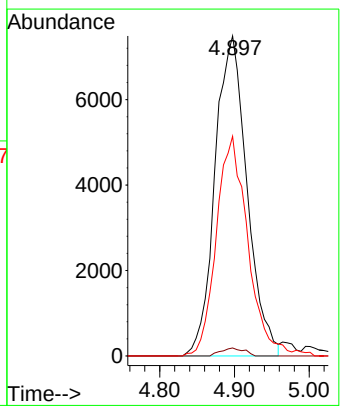


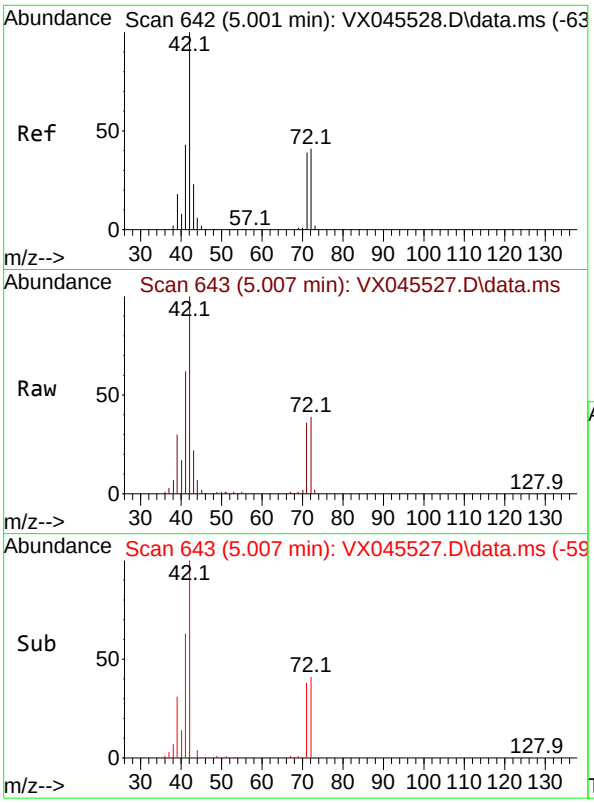


#28
Bromochloromethane
Concen: 20.141 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 49 Resp: 22285

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.0	54.6	81.8



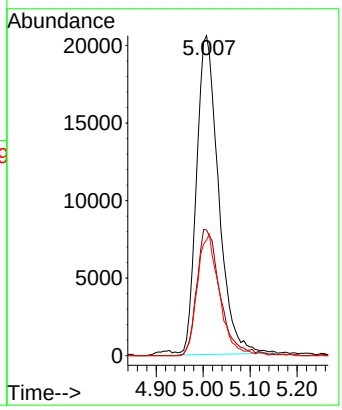


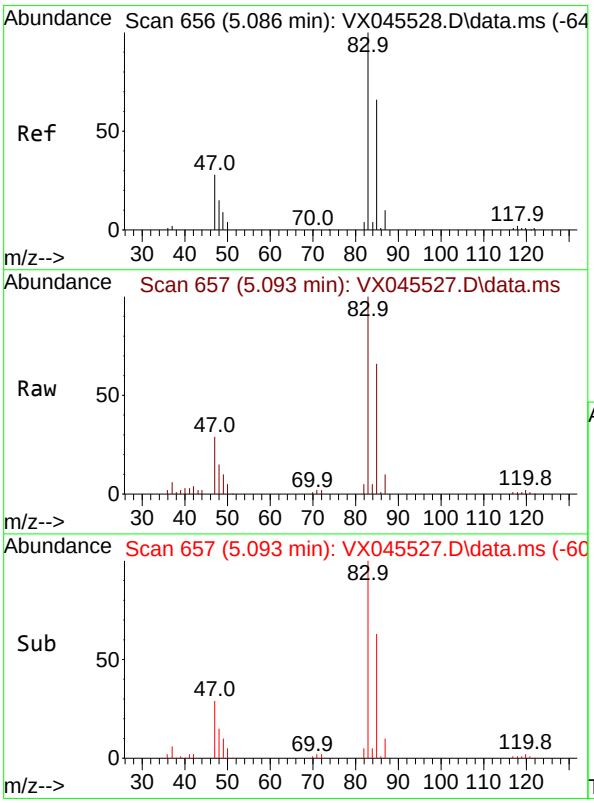
#29
Tetrahydrofuran
Concen: 104.187 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 66994

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	38.2	31.4	47.0

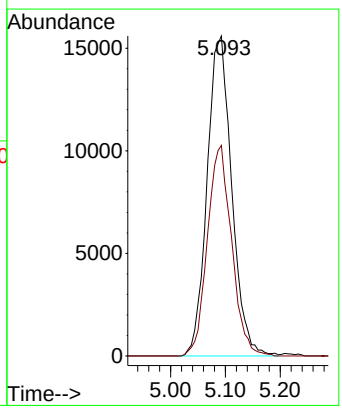


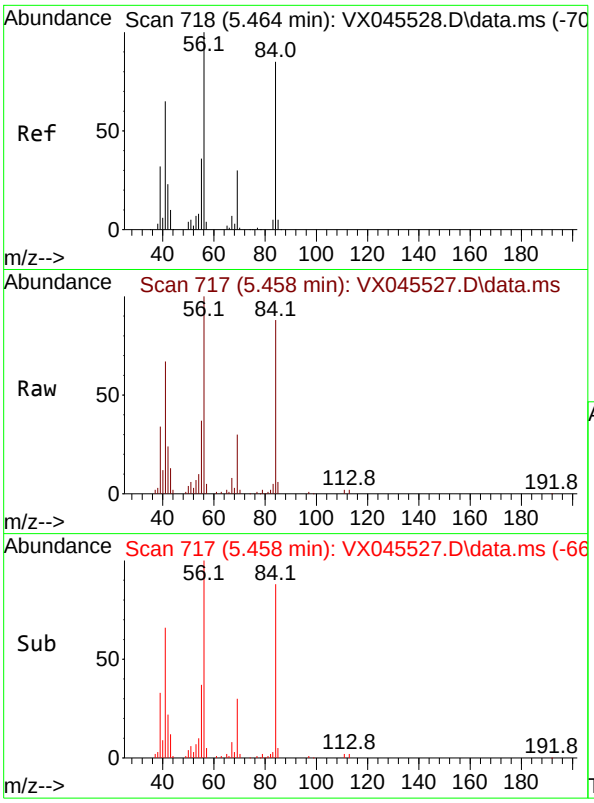


#30
Chloroform
Concen: 20.646 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 48639

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2



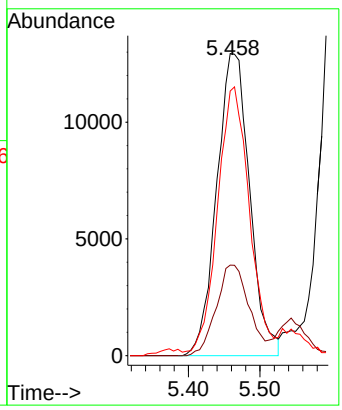


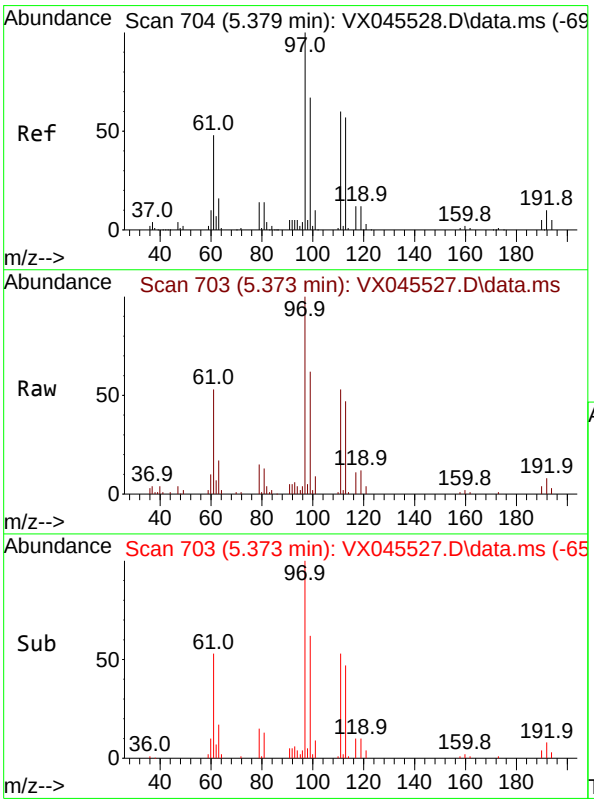
#31
Cyclohexane
Concen: 20.478 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 41450

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.6	35.4
84	85.5	67.7	101.5

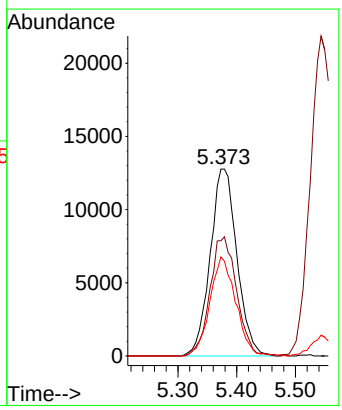


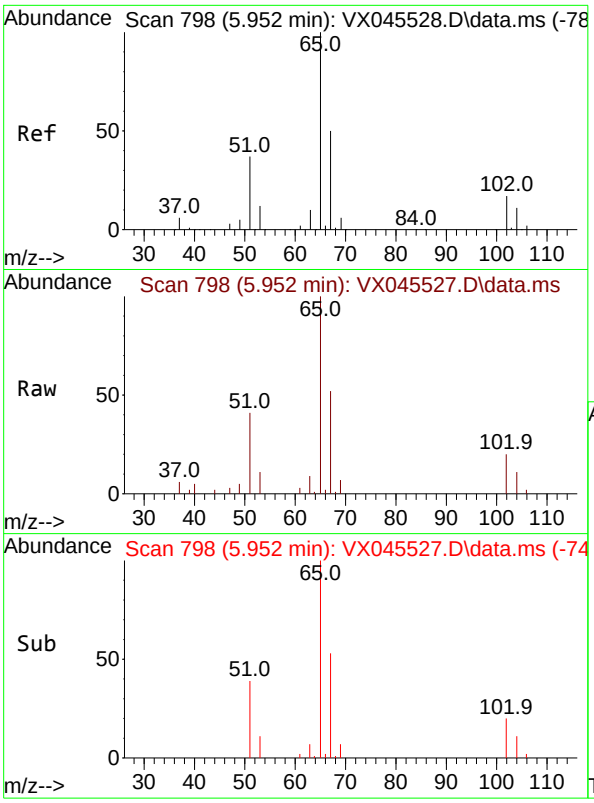


#32
1,1,1-Trichloroethane
Concen: 20.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 40407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	51.3	41.0	61.4



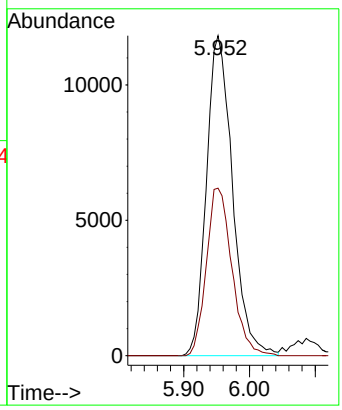


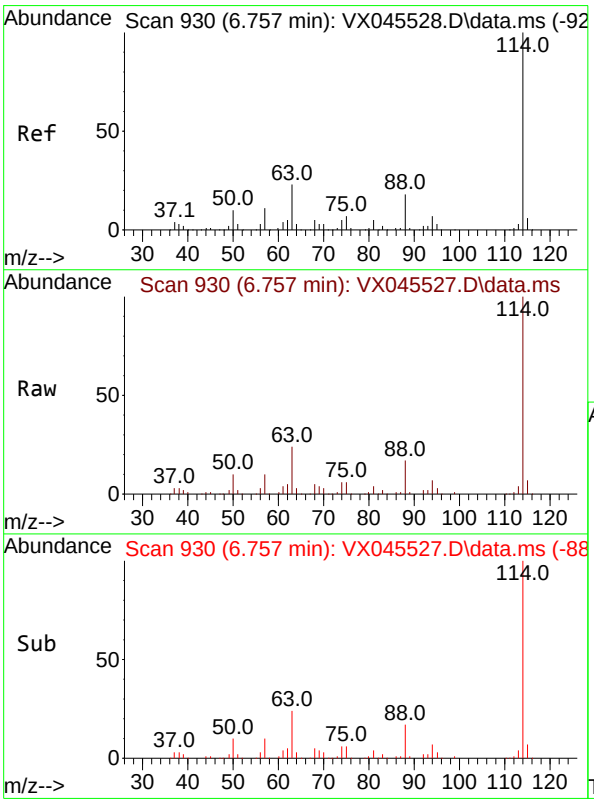
#33
1,2-Dichloroethane-d4
Concen: 19.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 32500

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.0

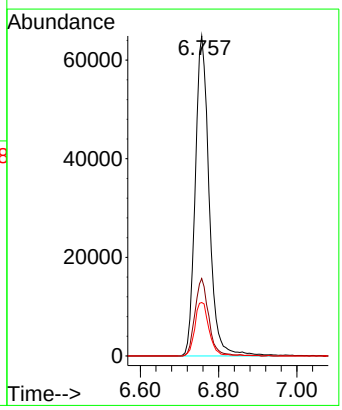


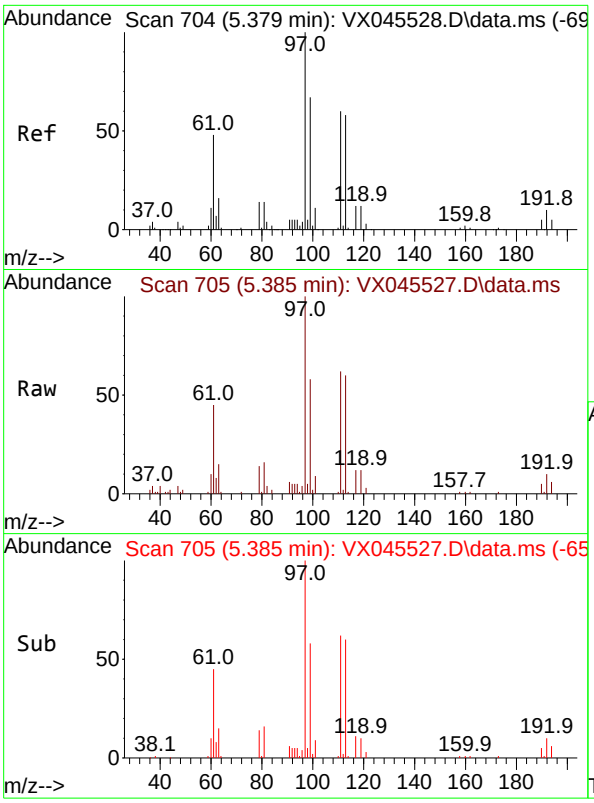


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:114 Resp: 160754

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.8
88	16.7	0.0	35.4



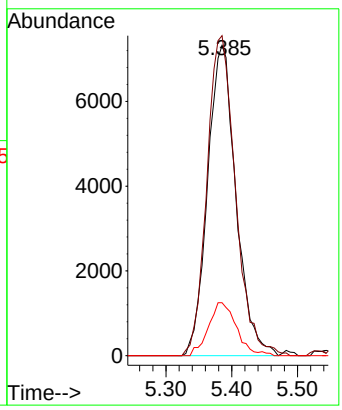


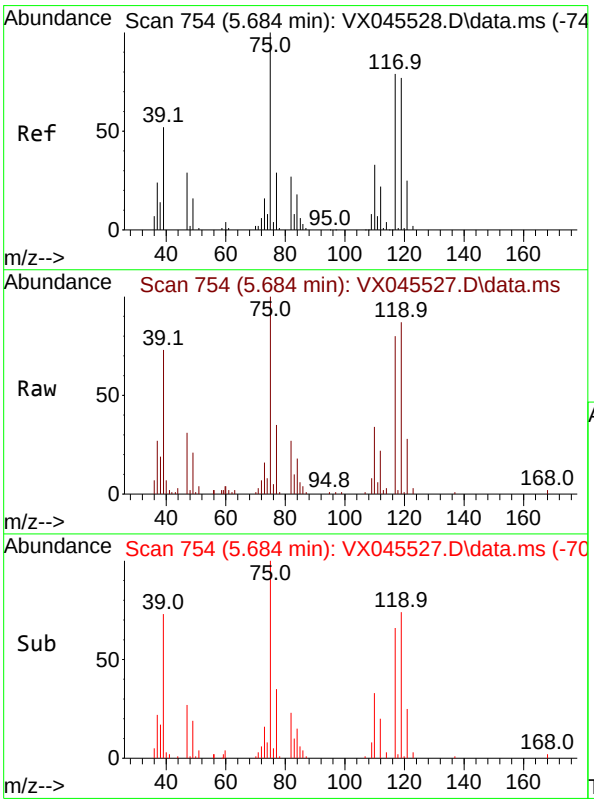
#35
Dibromofluoromethane
Concen: 19.256 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 21963

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.0	13.8	20.6

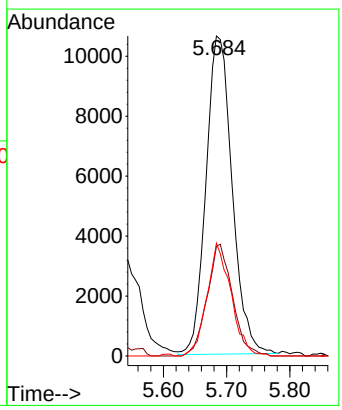


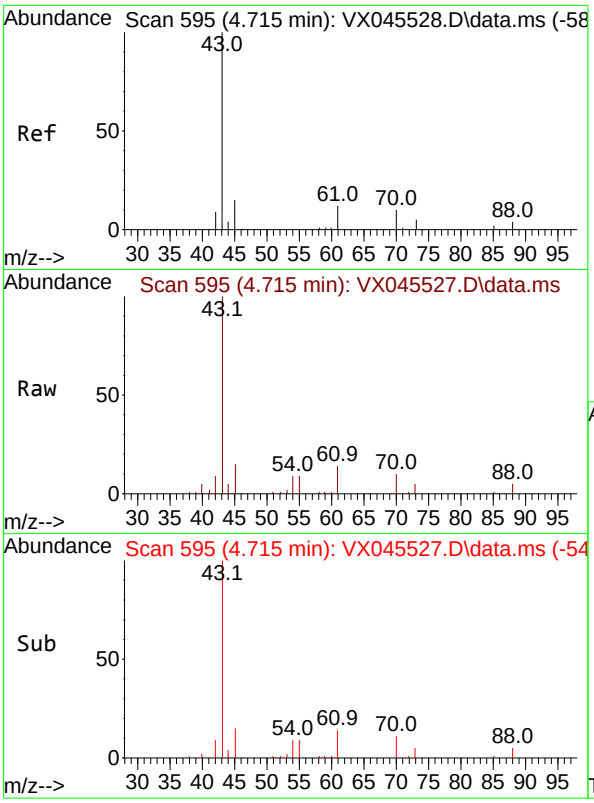


#36
1,1-Dichloropropene
Concen: 19.808 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 30504

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	32.7	25.0	37.4



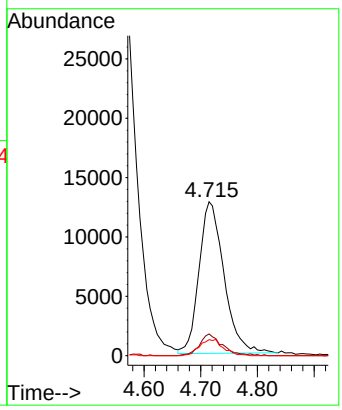


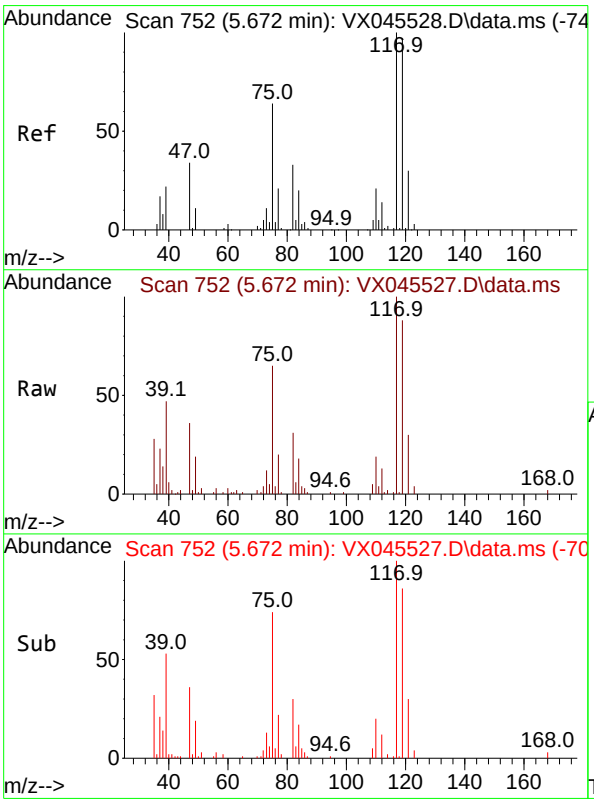
#37
Ethyl Acetate
Concen: 20.180 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 39163

Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	10.1	7.5	11.3

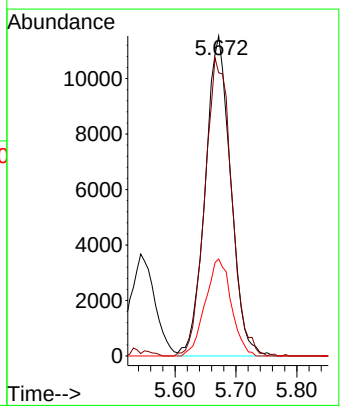


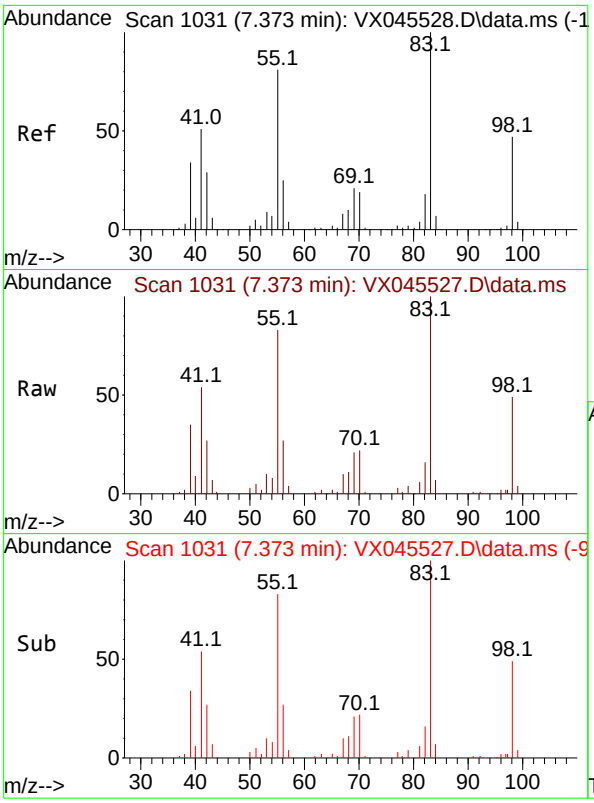


#38
Carbon Tetrachloride
Concen: 20.148 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 33533

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.9	115.3
121	30.3	24.2	36.2



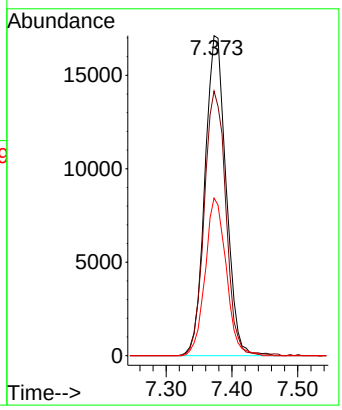


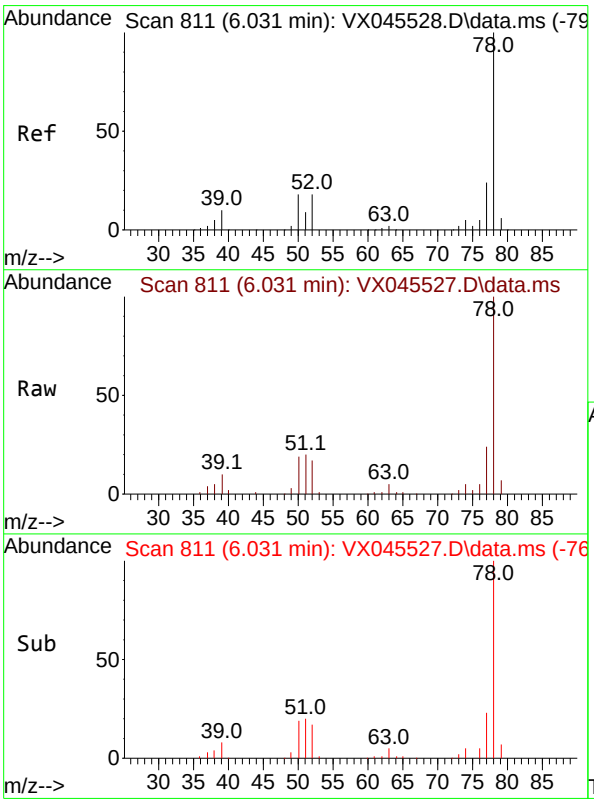
#39
Methylcyclohexane
Concen: 20.291 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38303

Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	49.2	37.4	56.0

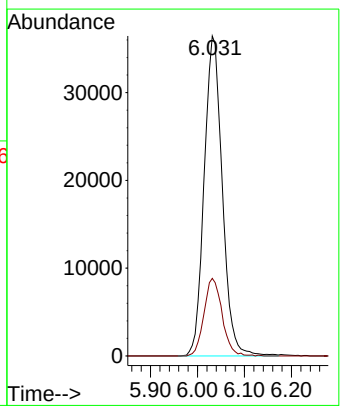


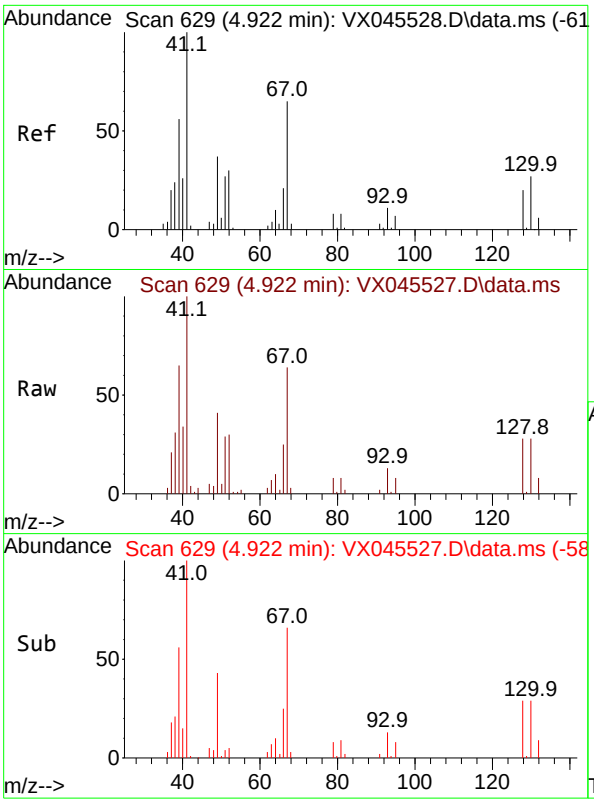


#40
Benzene
Concen: 20.766 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 78 Resp: 97667

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6



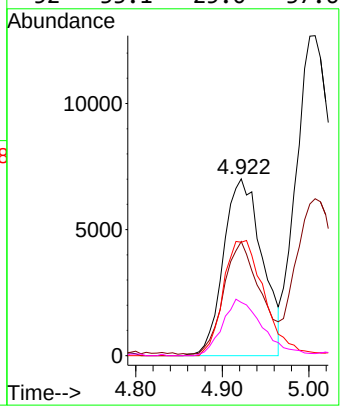


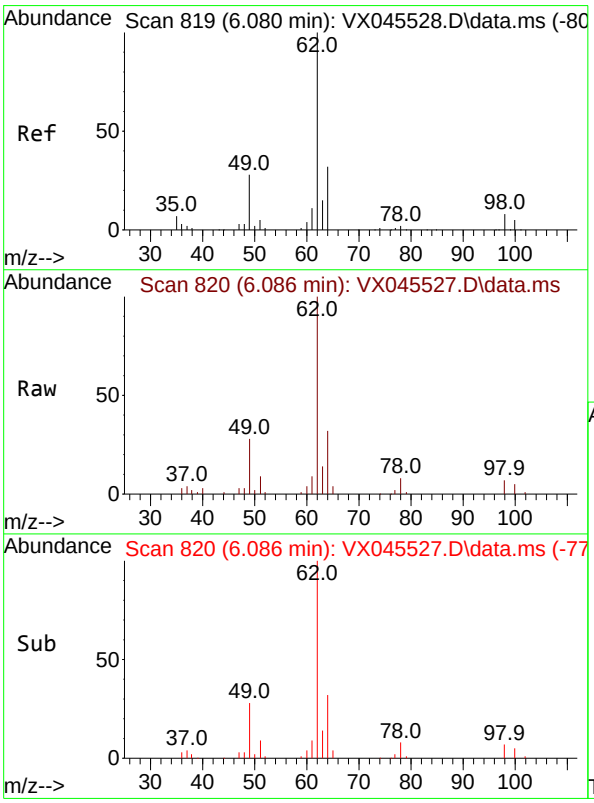
#41
Methacrylonitrile
Concen: 21.046 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 21740

Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.0	70.6
67	69.9	53.2	79.8
52	33.1	25.0	37.6

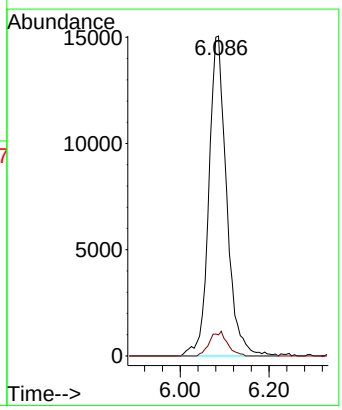


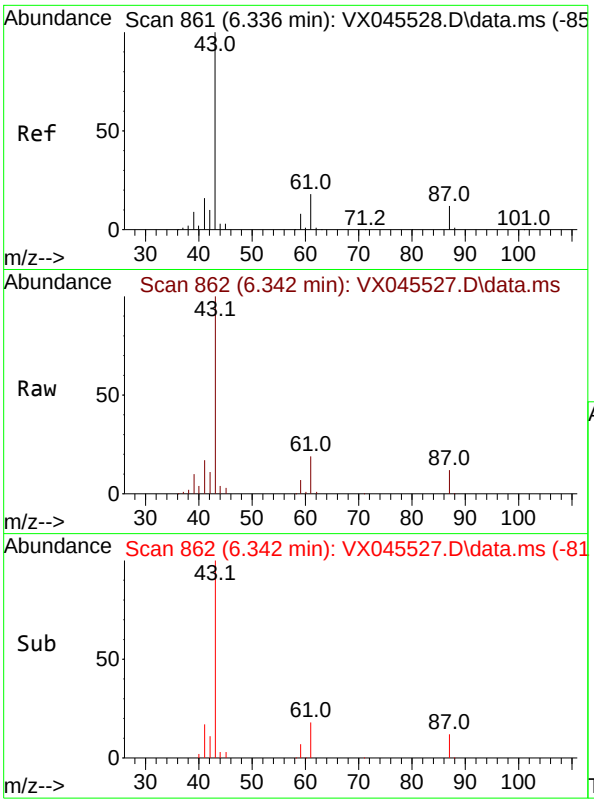


#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 41733

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2



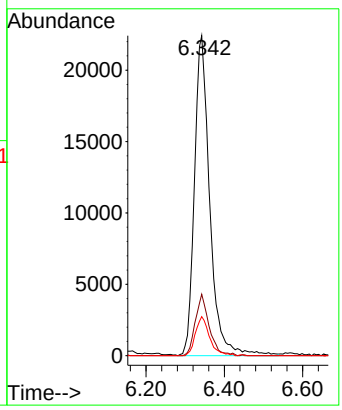


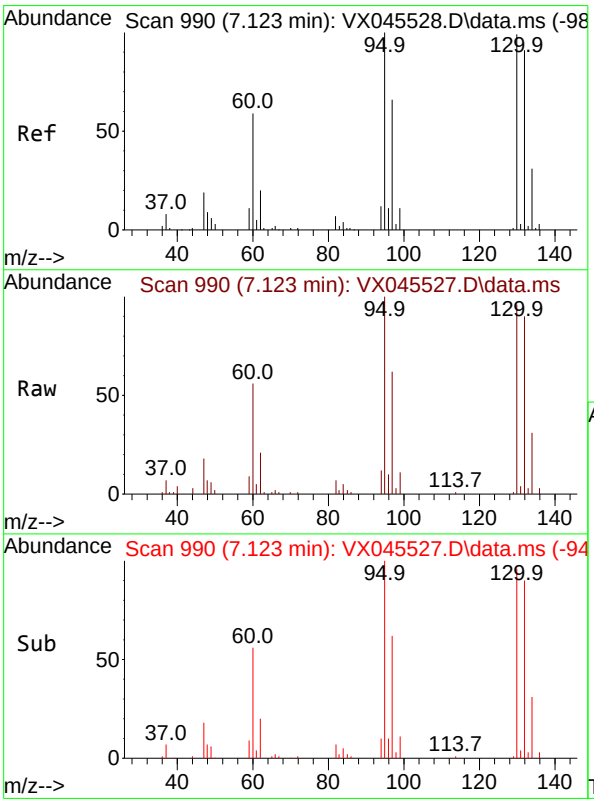
#43
Isopropyl Acetate
Concen: 20.814 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 61222

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.1	21.1
87	11.2	9.2	13.8

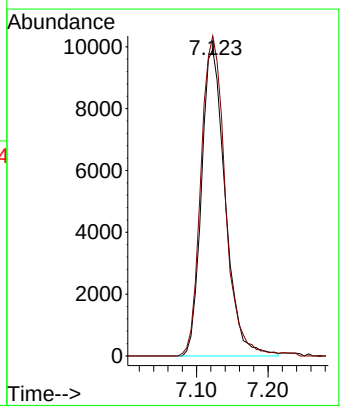


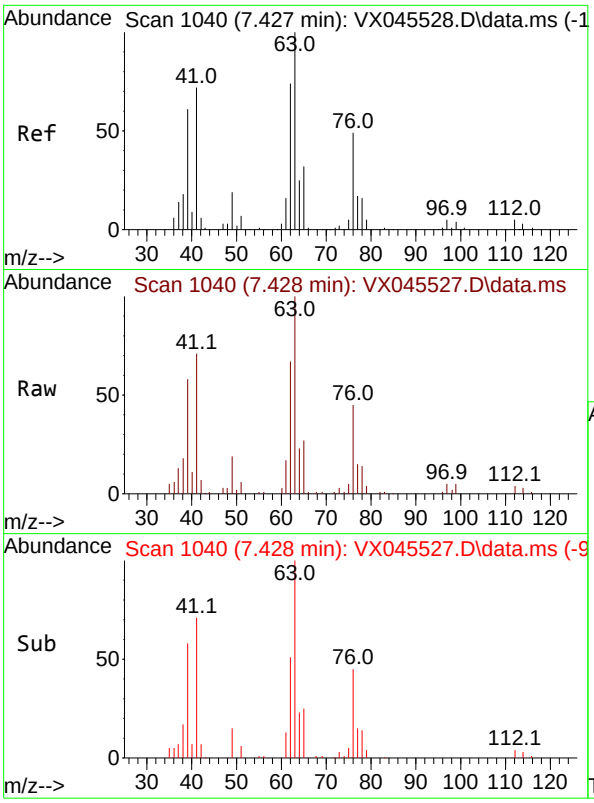


#44
Trichloroethene
Concen: 20.501 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:130 Resp: 22918

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0



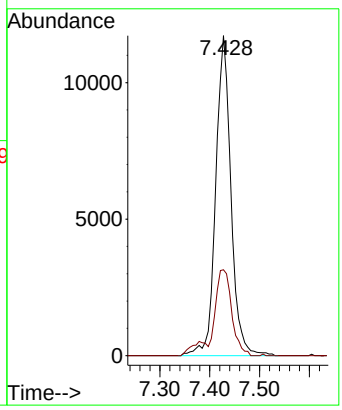


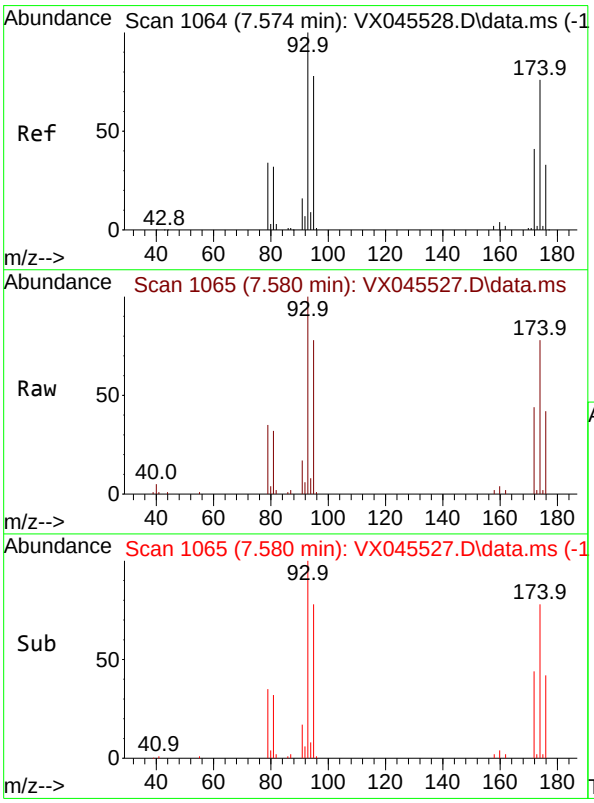
#45
1,2-Dichloropropane
Concen: 21.241 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 24926

Ion	Ratio	Lower	Upper
63	100		
65	26.9	25.8	38.6

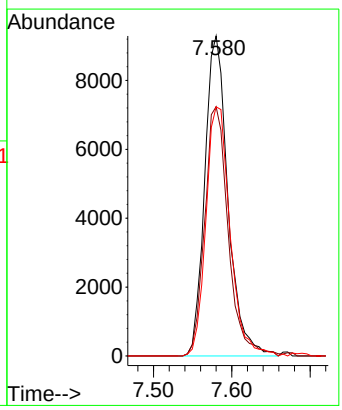


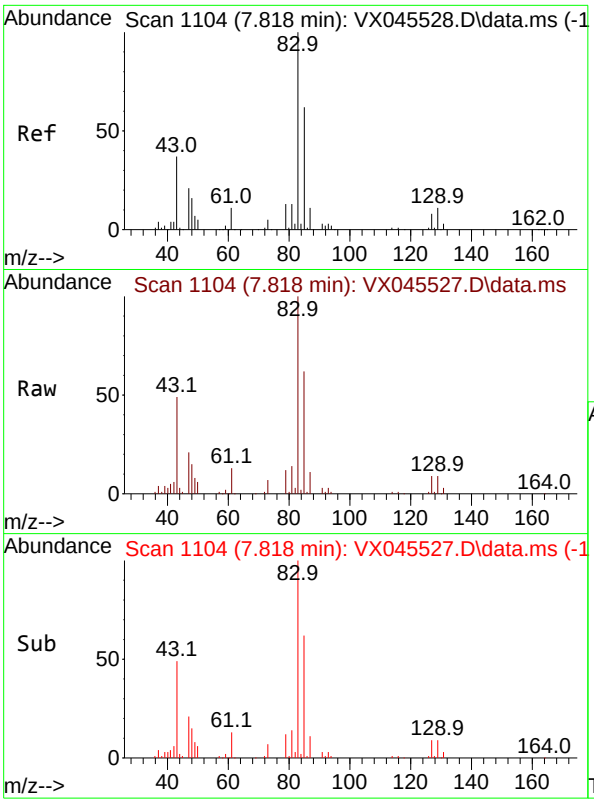


#46
Dibromomethane
Concen: 21.207 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 93 Resp: 19104

Ion	Ratio	Lower	Upper
93	100		
95	79.2	64.8	97.2
174	81.1	65.4	98.0



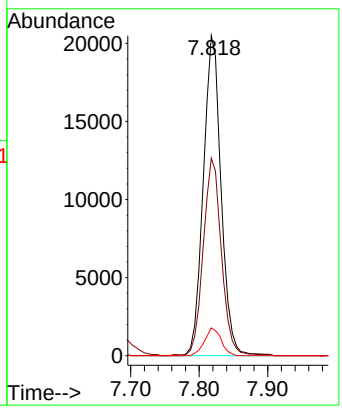


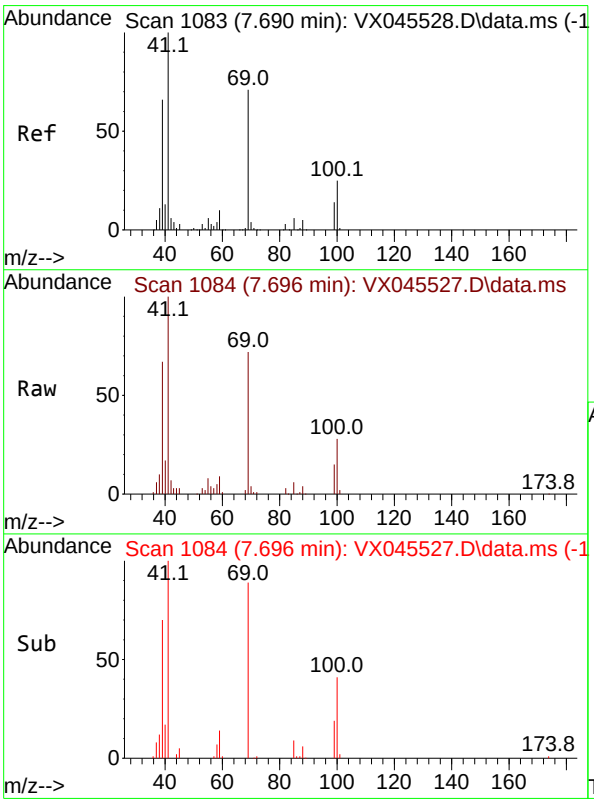
#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 37036

Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.7	74.5
127	8.7	6.1	9.1

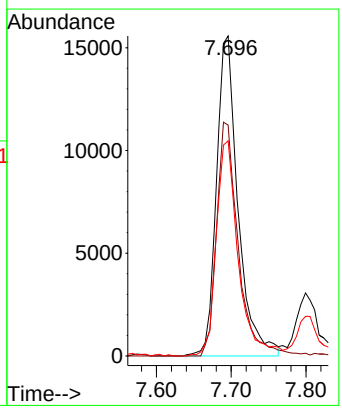


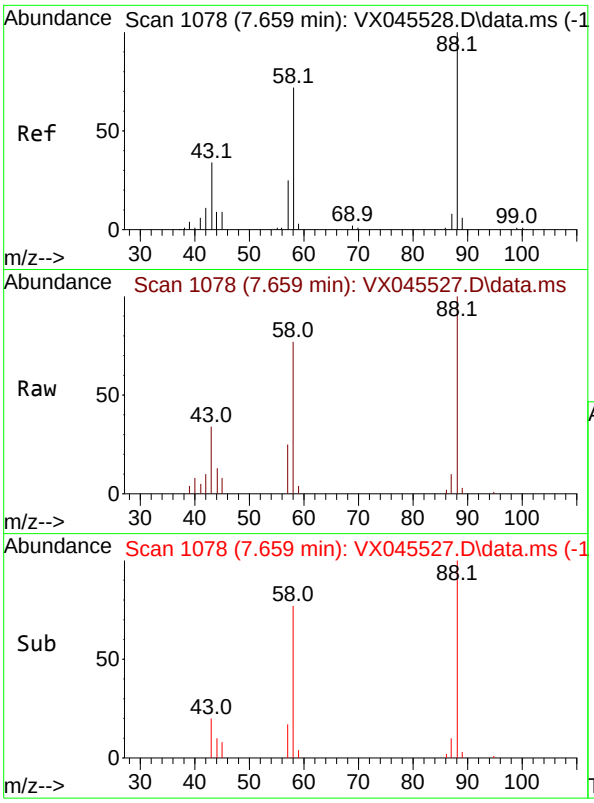


#48
Methyl methacrylate
Concen: 20.575 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 31247

Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.2	87.2
39	68.7	53.6	80.4



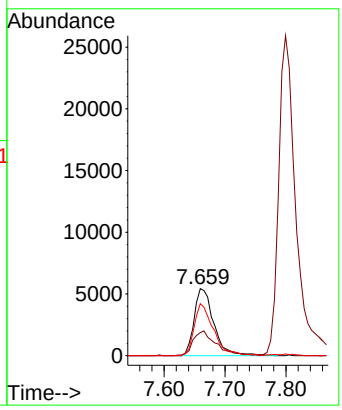


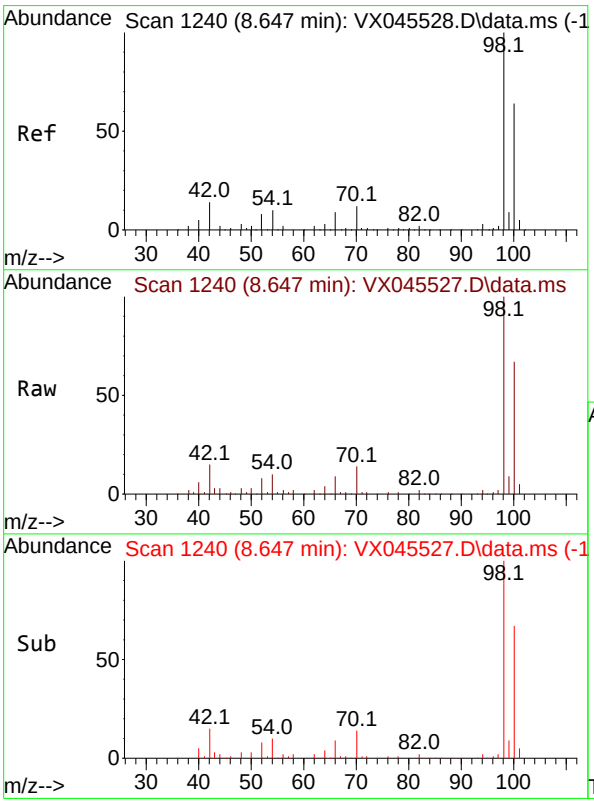
#49
1,4-Dioxane
Concen: 440.515 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12104

Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.2	48.4
58	76.4	58.6	88.0

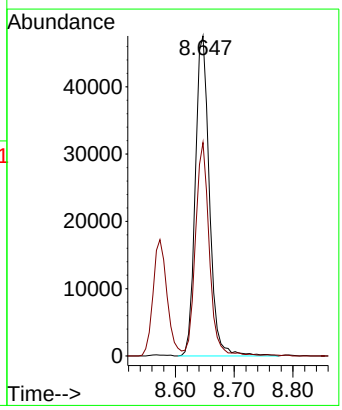


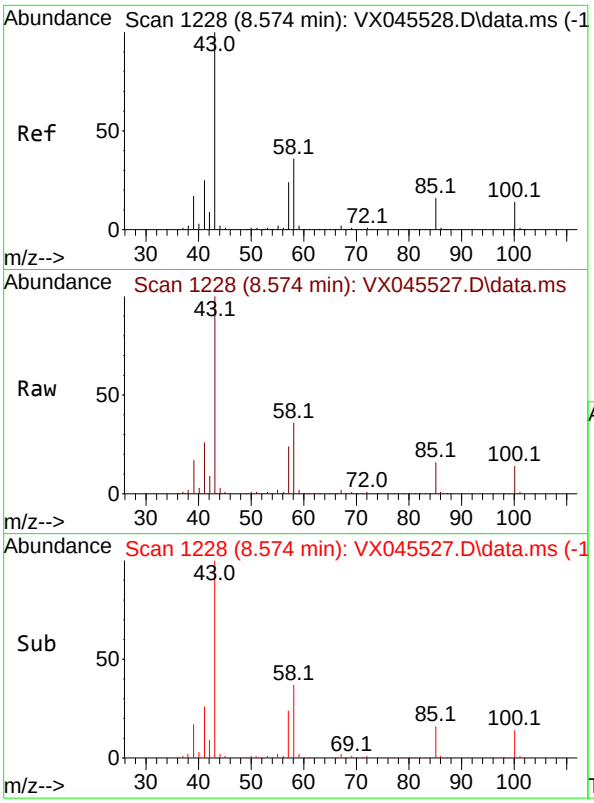


#50
Toluene-d8
Concen: 19.921 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 98 Resp: 79303

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4



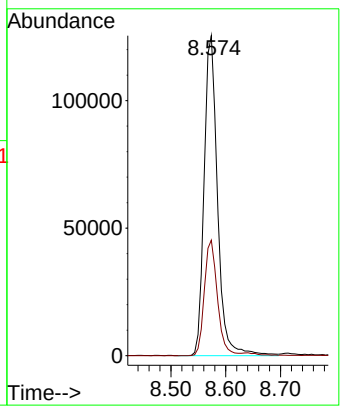


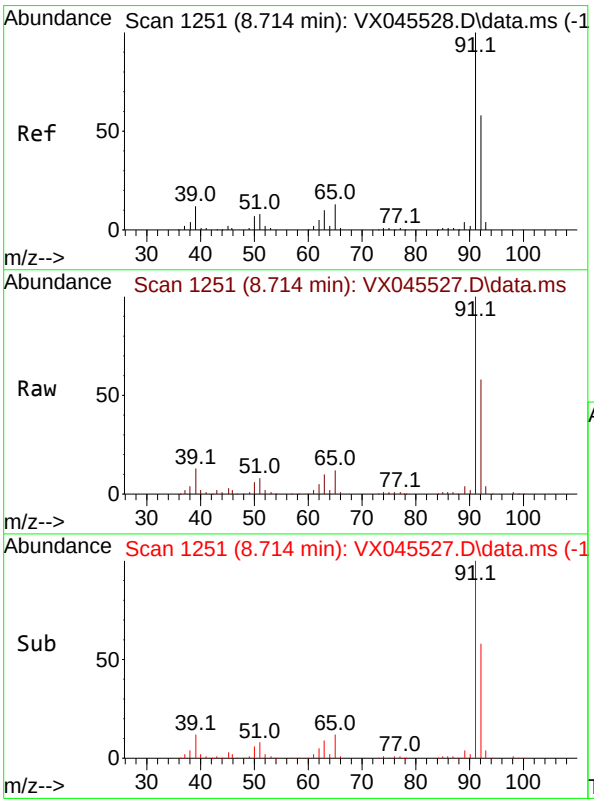
#51
4-Methyl-2-Pentanone
Concen: 109.055 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 212645

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7

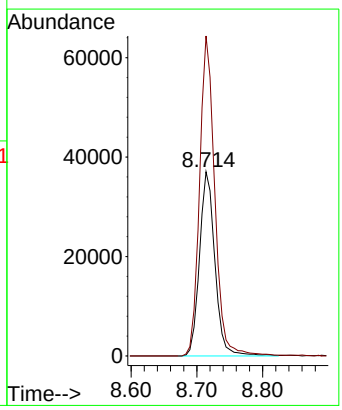


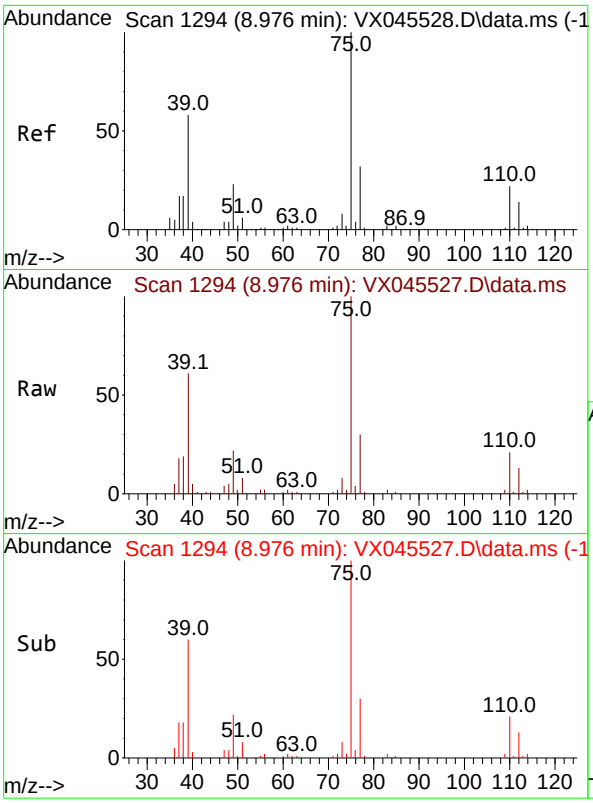


#52
Toluene
Concen: 21.208 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 92 Resp: 60357

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.7	208.1



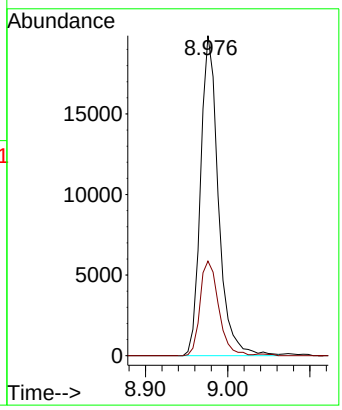


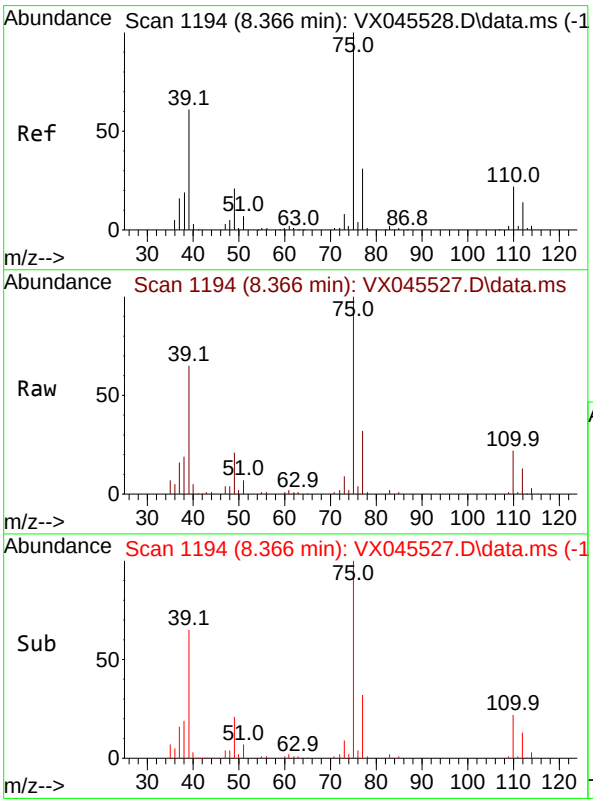
#53
t-1,3-Dichloropropene
Concen: 18.764 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 29870

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0

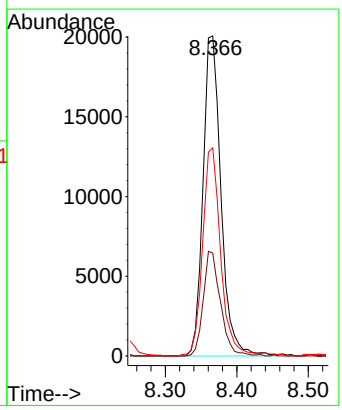


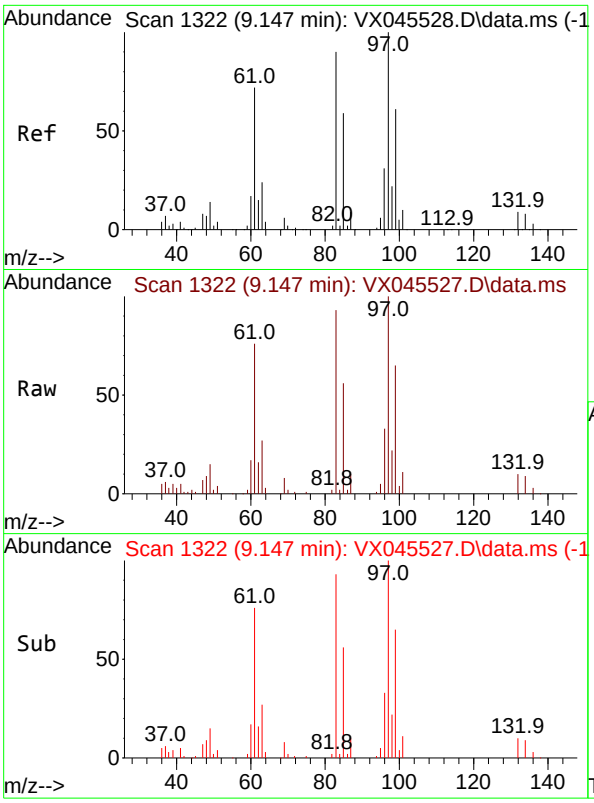


#54
cis-1,3-Dichloropropene
Concen: 20.762 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 35099

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	65.0	48.4	72.6



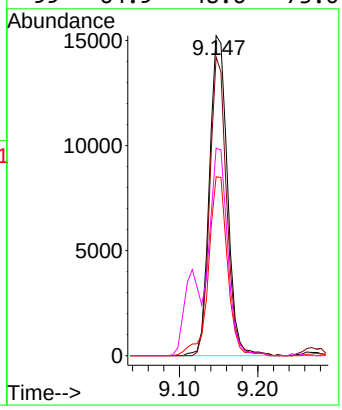


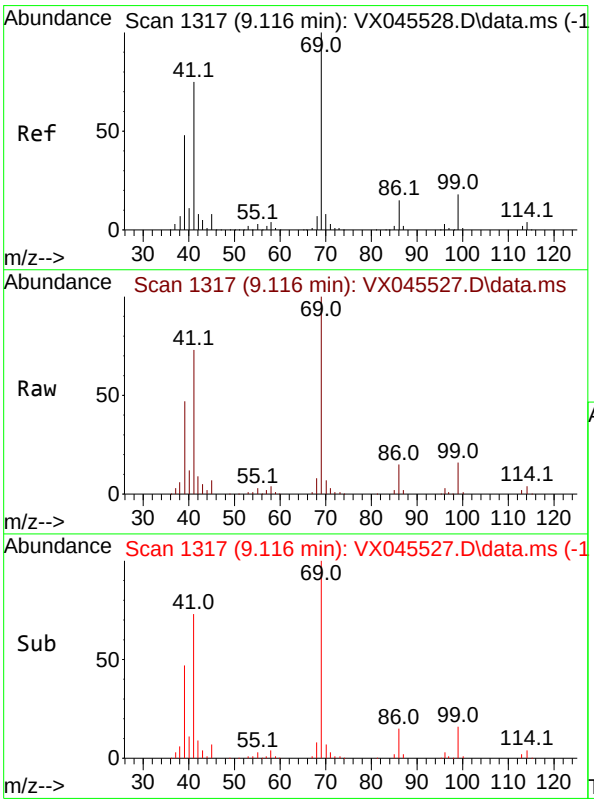
#55
1,1,2-Trichloroethane
Concen: 21.331 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 24191

Ion	Ratio	Lower	Upper
97	100		
83	93.4	71.8	107.8
85	55.9	47.0	70.6
99	64.9	48.6	73.0

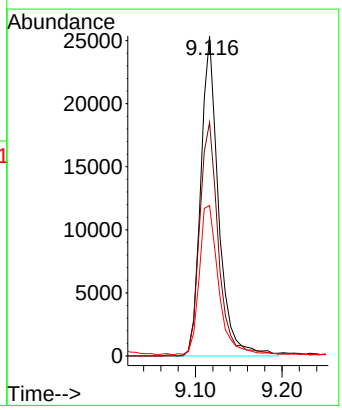


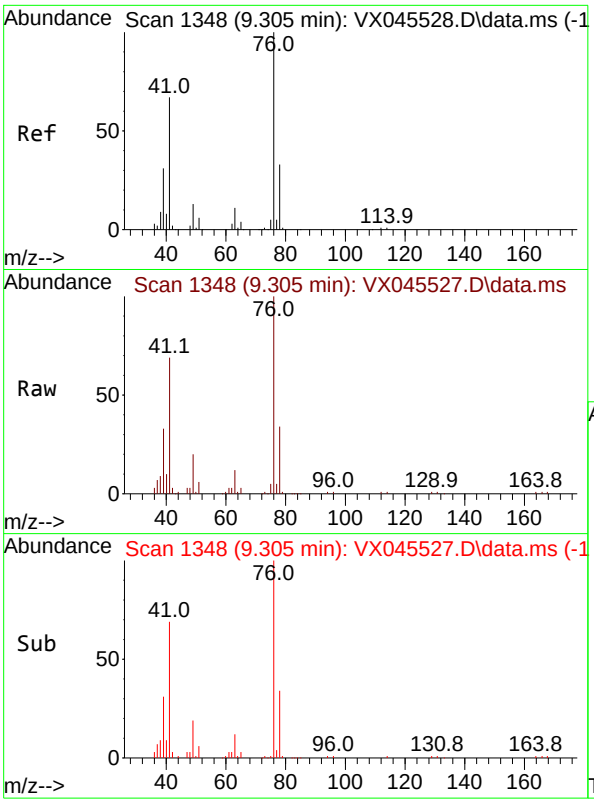


#56
Ethyl methacrylate
Concen: 20.600 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 69 Resp: 36155

Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.3	91.9
39	51.5	40.2	60.2



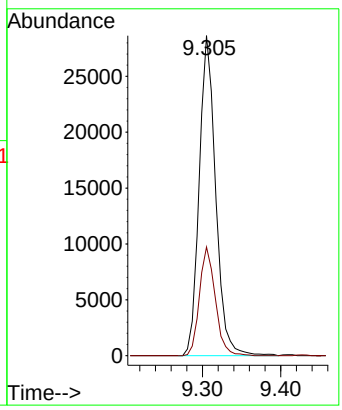


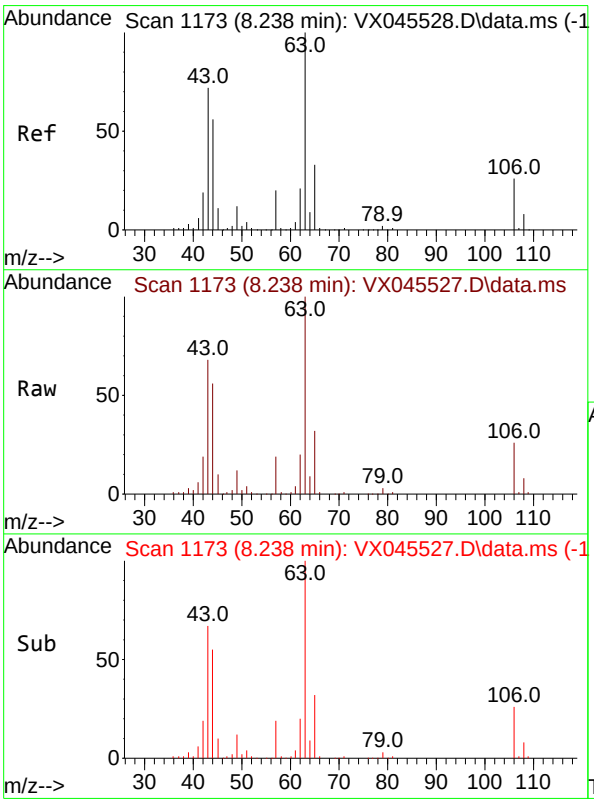
#57
1,3-Dichloropropane
Concen: 21.217 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 41900

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

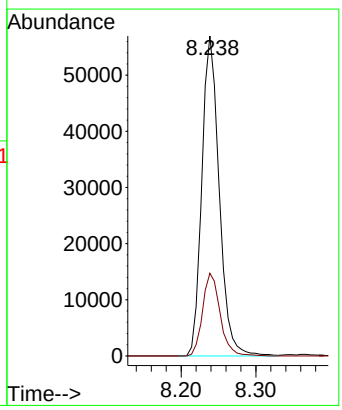


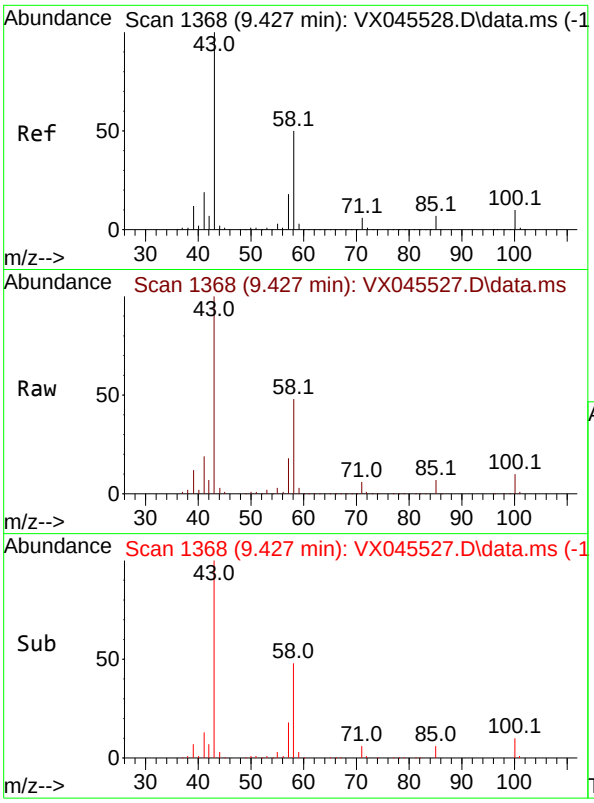


#58
2-Chloroethyl Vinyl ether
Concen: 103.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 91923

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.0	31.6



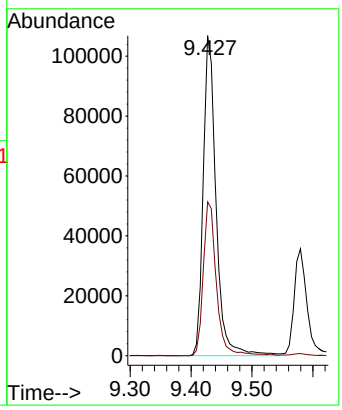


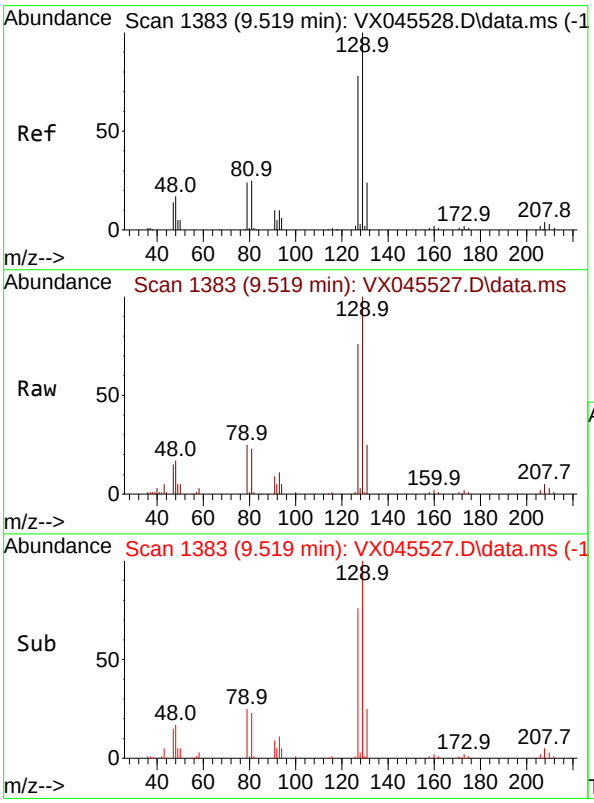
#59
2-Hexanone
Concen: 108.730 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 156999

Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6

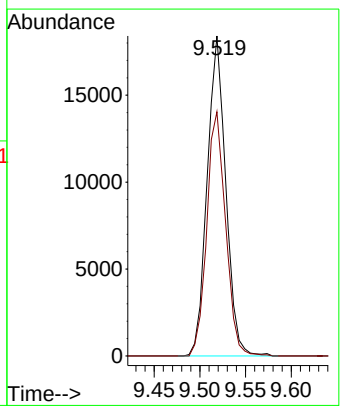


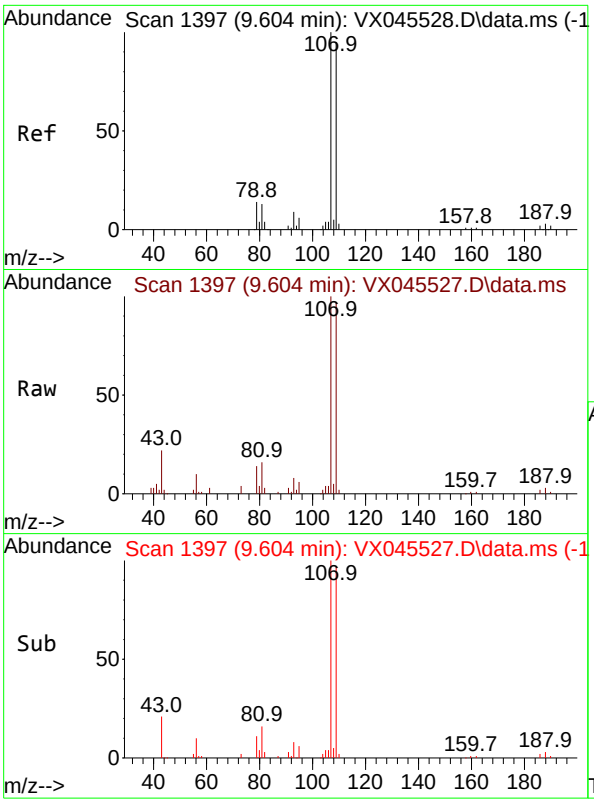


#60
Dibromochloromethane
Concen: 21.023 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:129 Resp: 25992

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.4	118.2



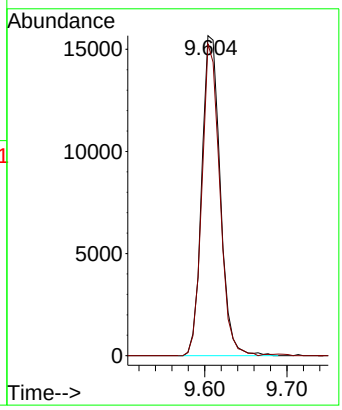


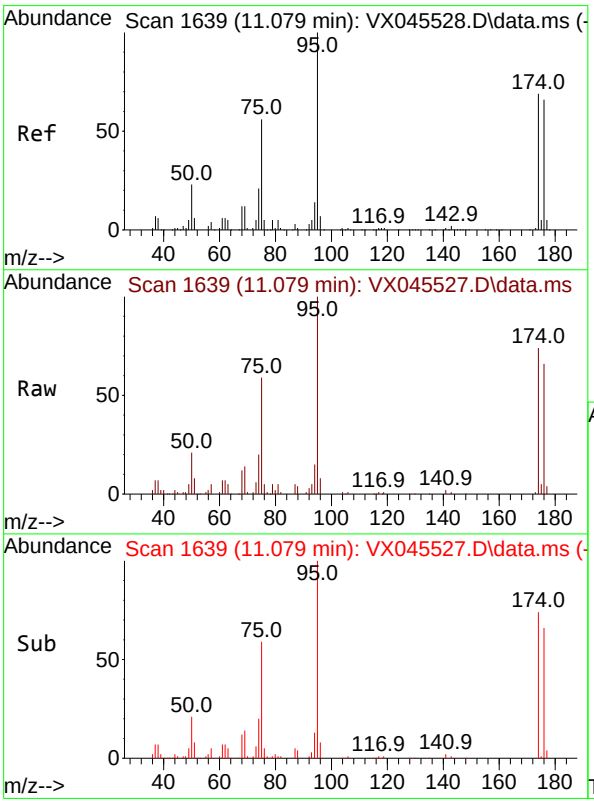
#61
1,2-Dibromoethane
Concen: 21.303 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 24456

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

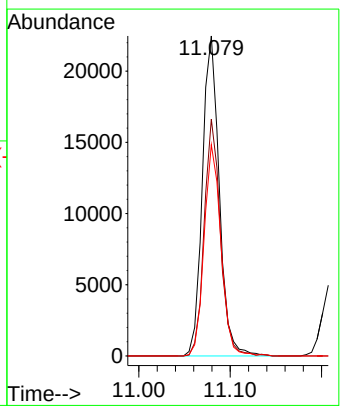


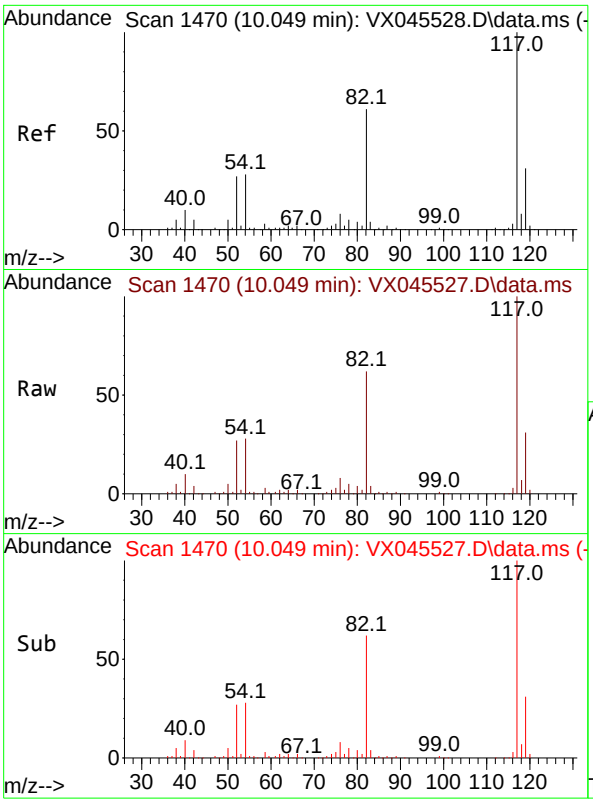


#62
4-Bromofluorobenzene
Concen: 19.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 95 Resp: 28795

Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	135.8
176	65.8	0.0	131.4



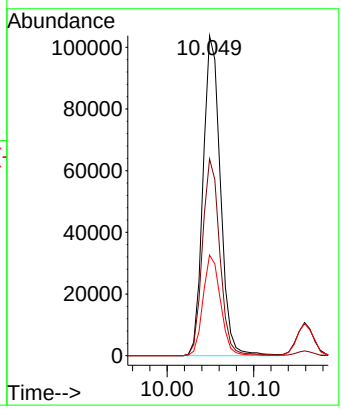


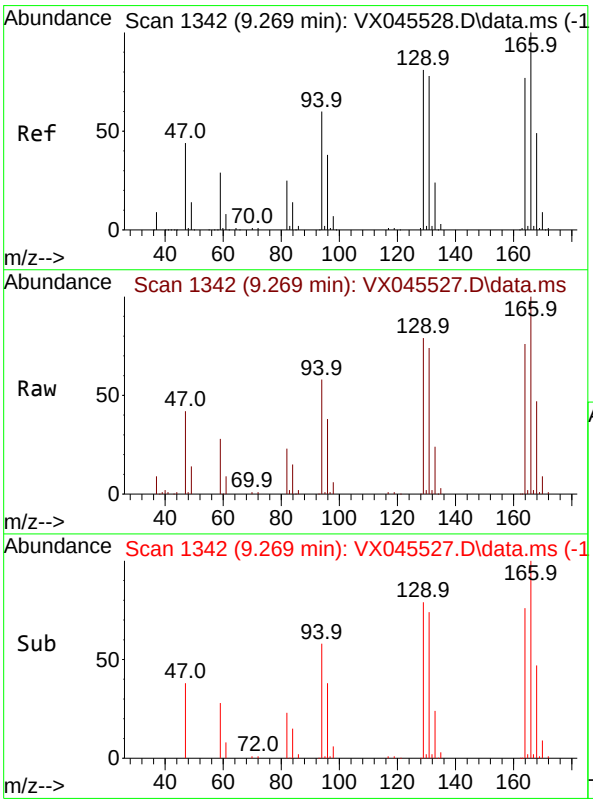
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 144087

Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.5	25.1	37.7

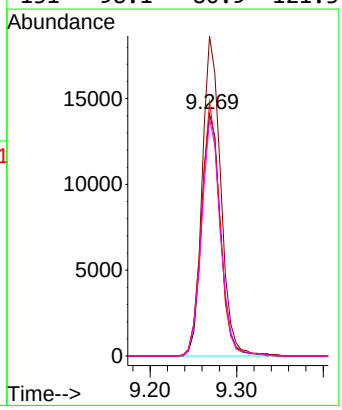


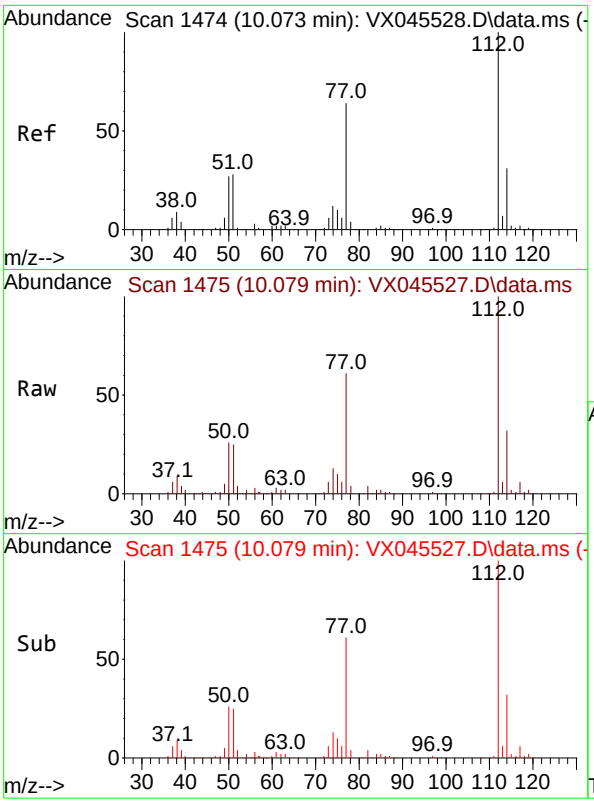


#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:164 Resp: 21379

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.8	155.8
129	104.9	84.3	126.5
131	98.1	80.9	121.3



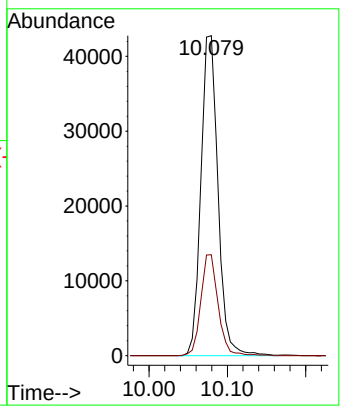


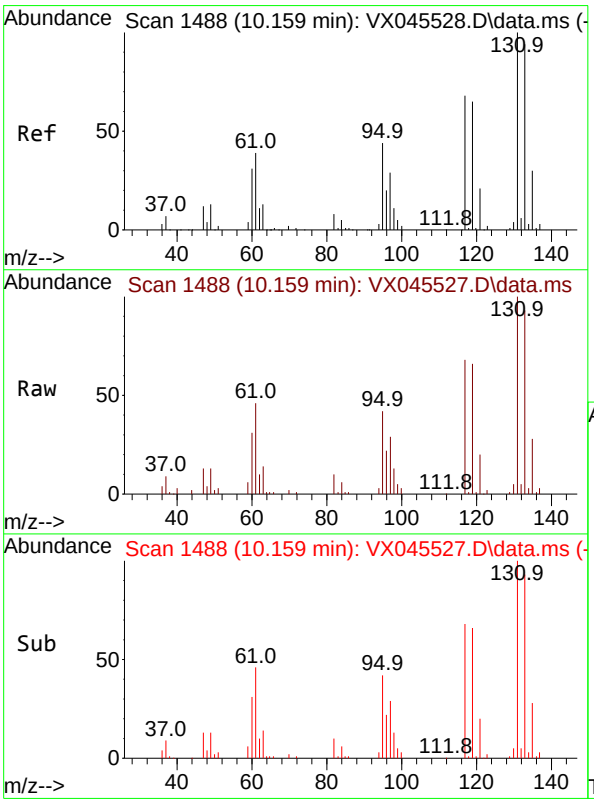
#65
Chlorobenzene
Concen: 21.023 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 64727

Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.7	37.1

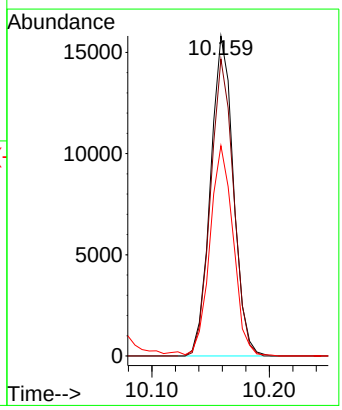


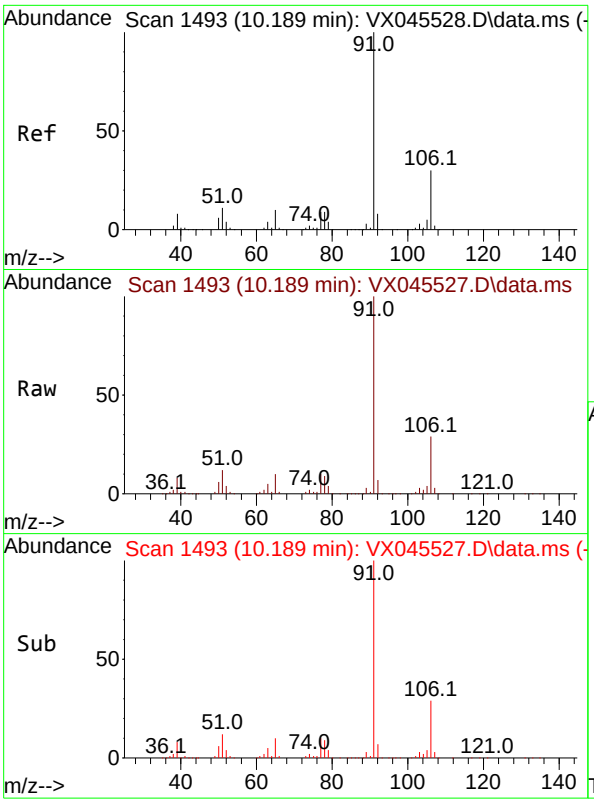


#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:131 Resp: 21447

Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.5	142.5
119	66.3	32.9	98.6



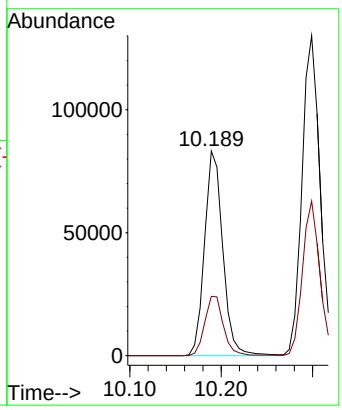


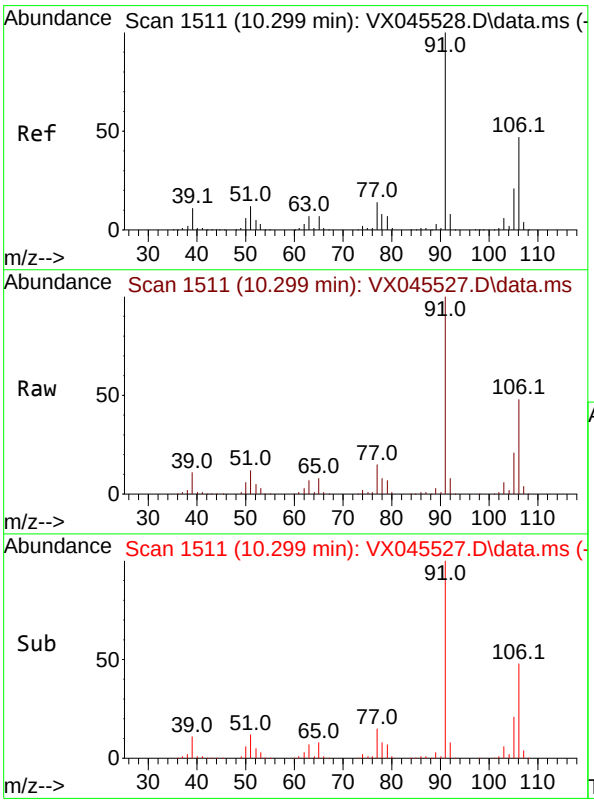
#67
Ethyl Benzene
Concen: 20.921 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 115368

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5

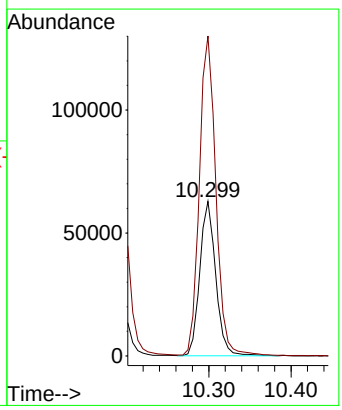


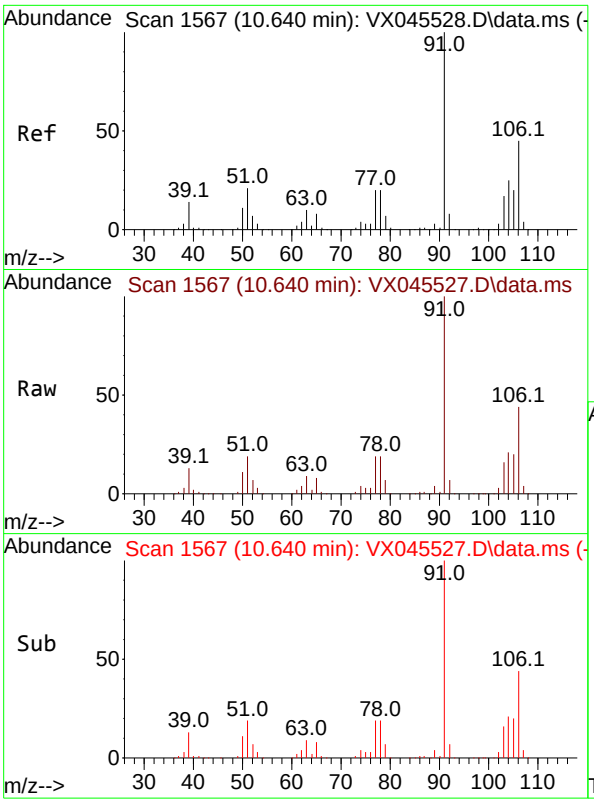


#68
m/p-Xylenes
Concen: 42.092 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 84420

Ion	Ratio	Lower	Upper
106	100		
91	214.4	172.6	258.8



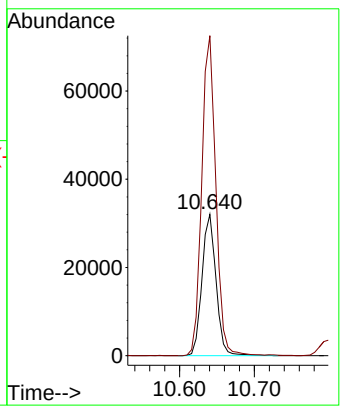


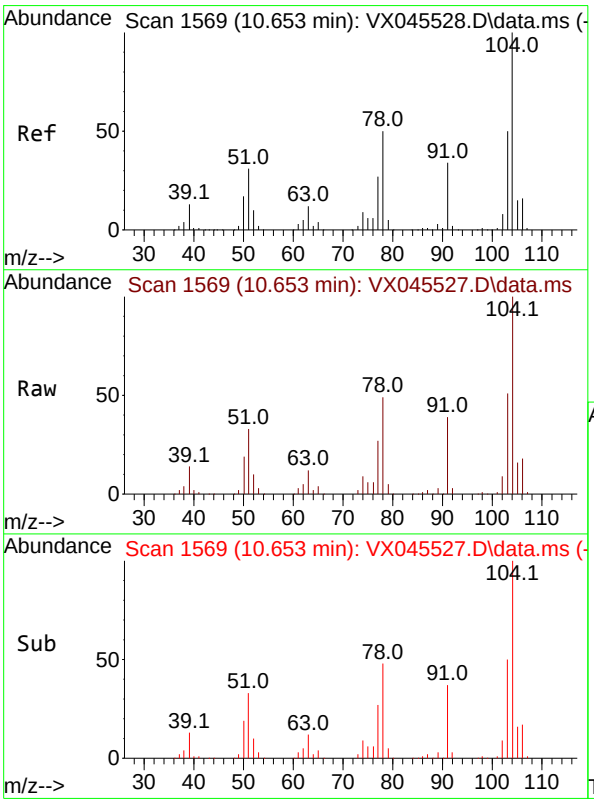
#69
o-Xylene
Concen: 21.158 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 41803

Ion	Ratio	Lower	Upper
106	100		
91	226.9	113.6	340.6

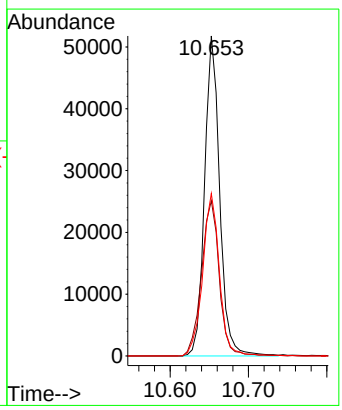


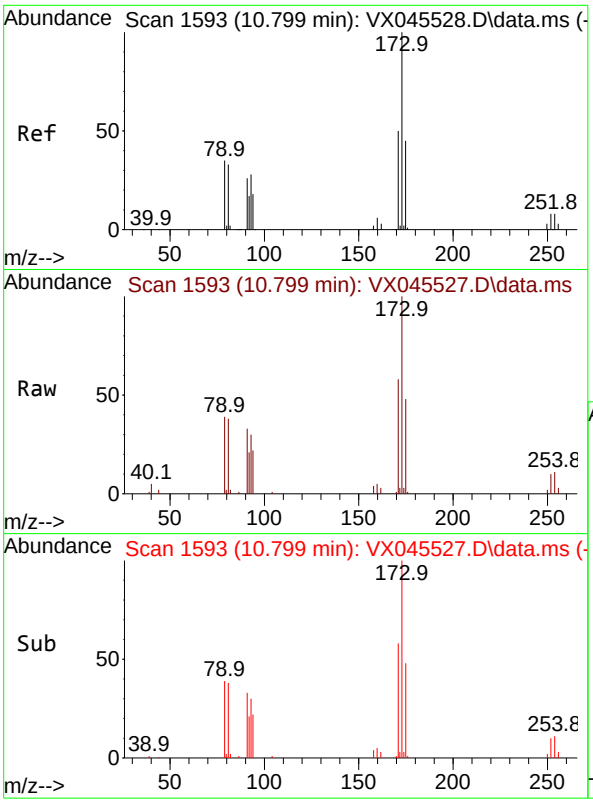


#70
Styrene
Concen: 21.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:104 Resp: 69290

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	56.5	43.8	65.8



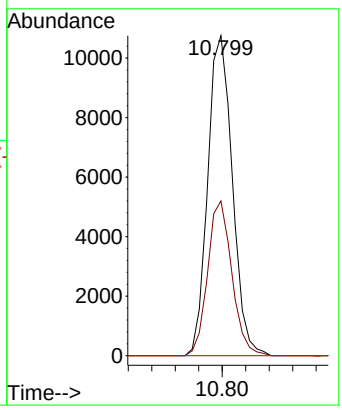


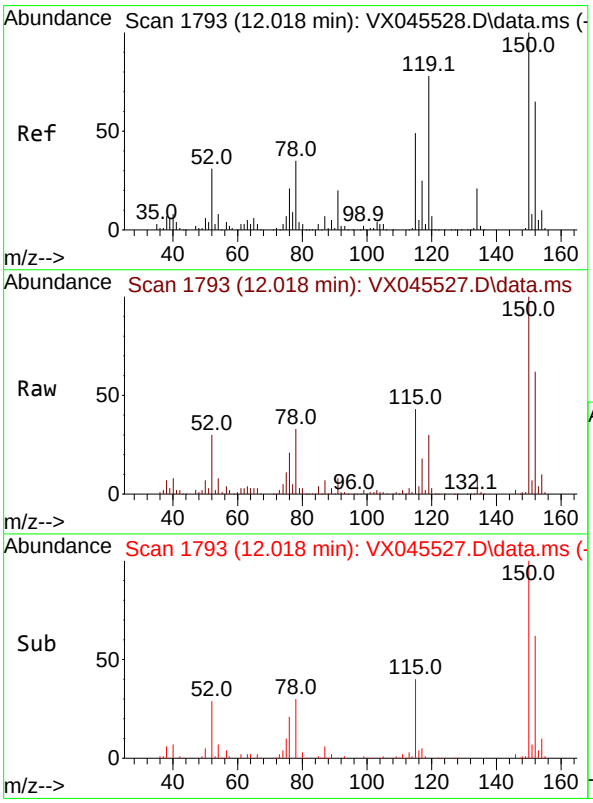
#71
Bromoform
Concen: 19.619 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 15659

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.2
254	0.0	0.0	0.0

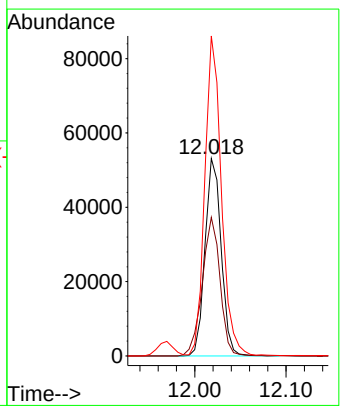


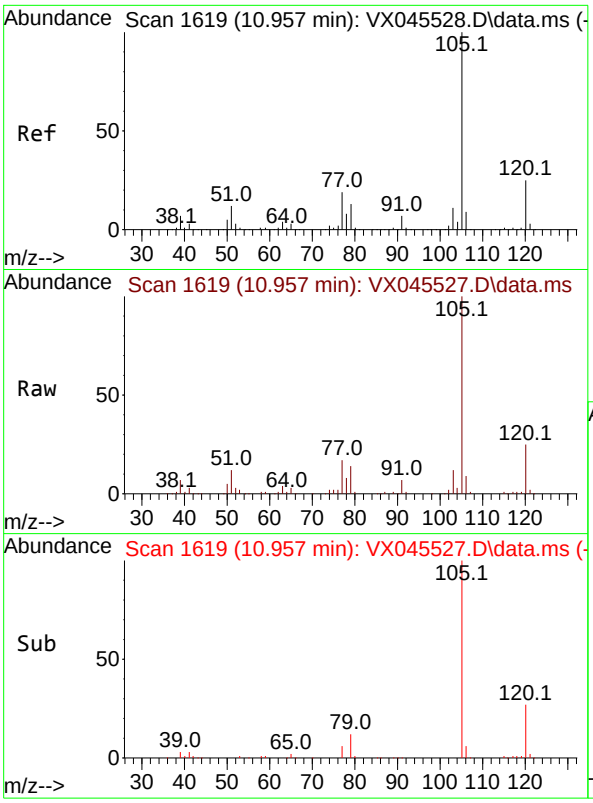


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:152 Resp: 65341

Ion	Ratio	Lower	Upper
152	100		
115	76.8	46.9	140.7
150	166.0	0.0	349.4



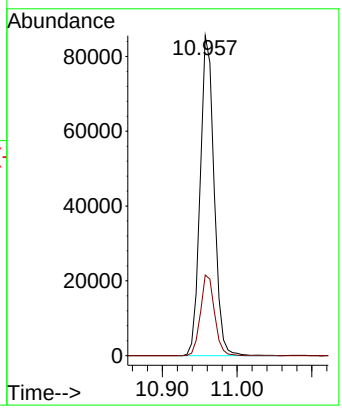


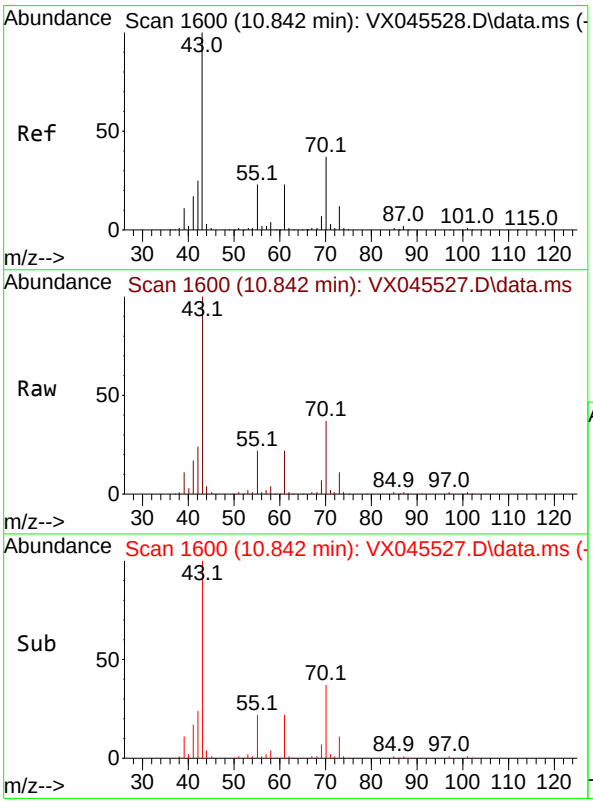
#73
Isopropylbenzene
Concen: 21.093 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 110396

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

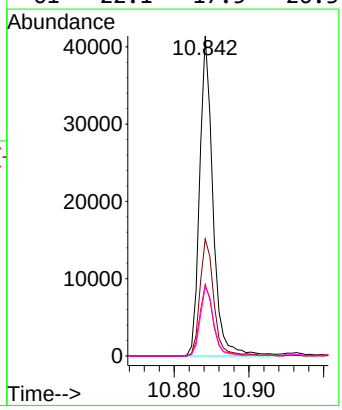


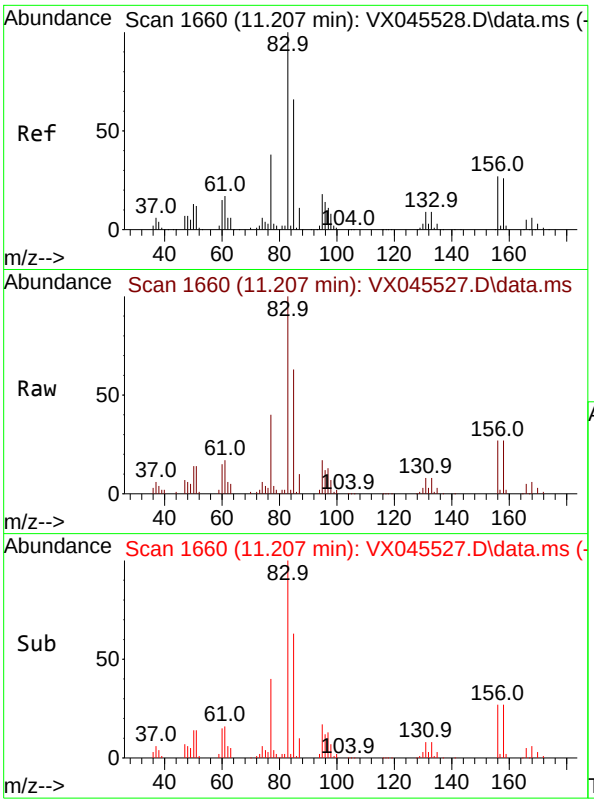


#74
N-amyl acetate
Concen: 20.466 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 51238

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.5	18.3	27.5
61	22.1	17.5	26.3



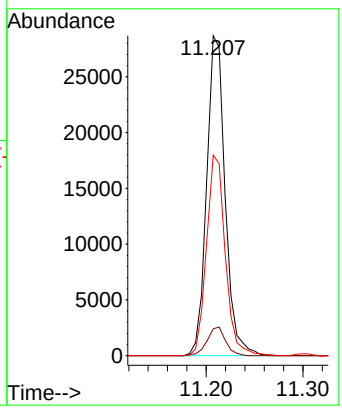


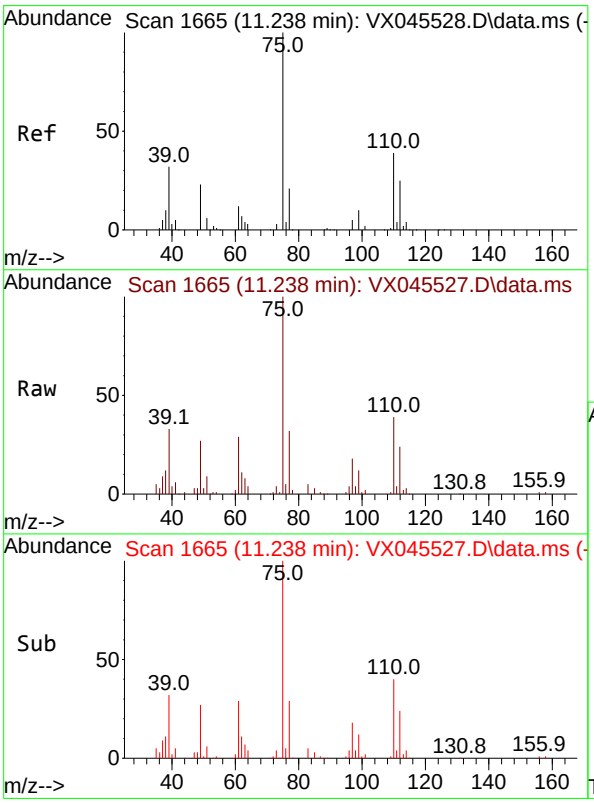
#75
1,1,2,2-Tetrachloroethane
Concen: 20.764 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38177

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	63.7	32.4	97.2

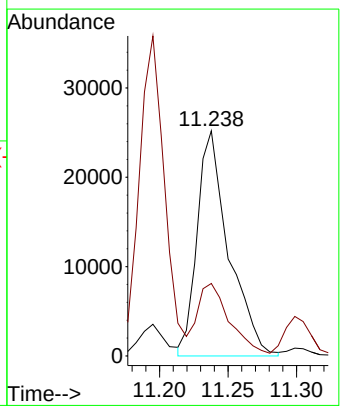


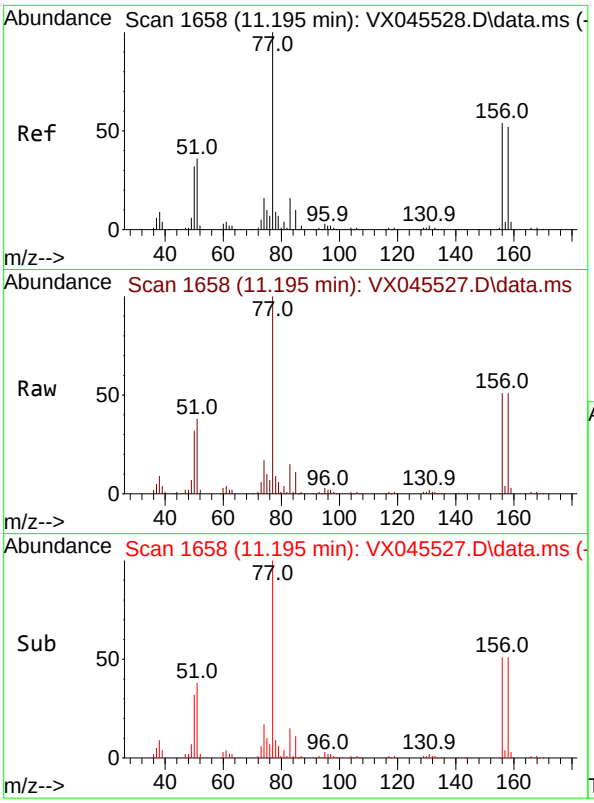


#76
1,2,3-Trichloropropane
Concen: 25.357 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 40414

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.0	59.9



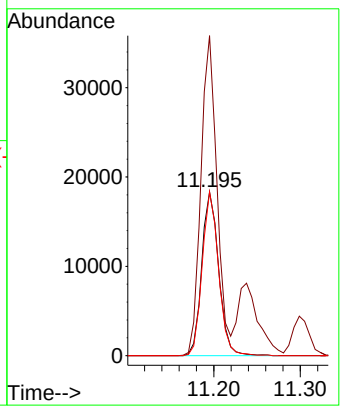


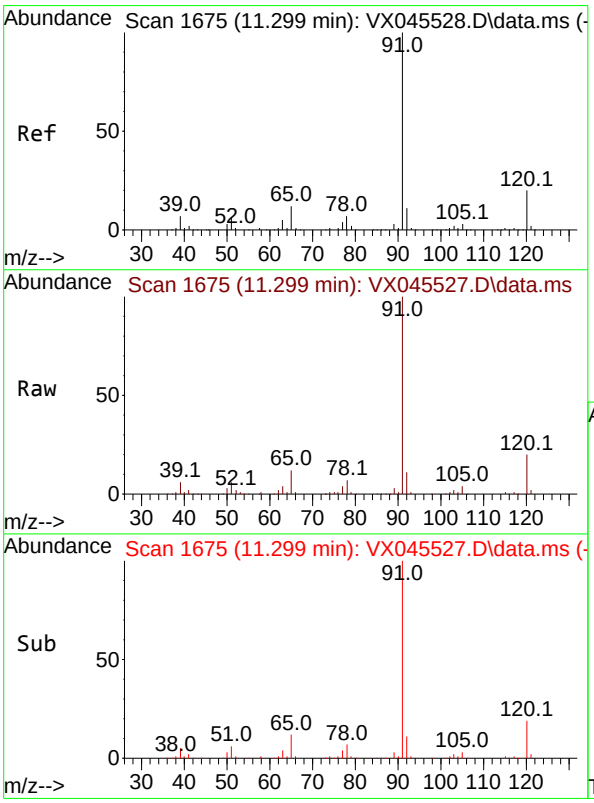
#77
Bromobenzene
Concen: 20.592 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 24902

Ion	Ratio	Lower	Upper
156	100		
77	185.0	92.6	277.8
158	96.7	48.1	144.4

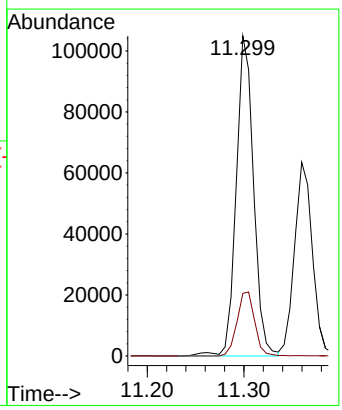


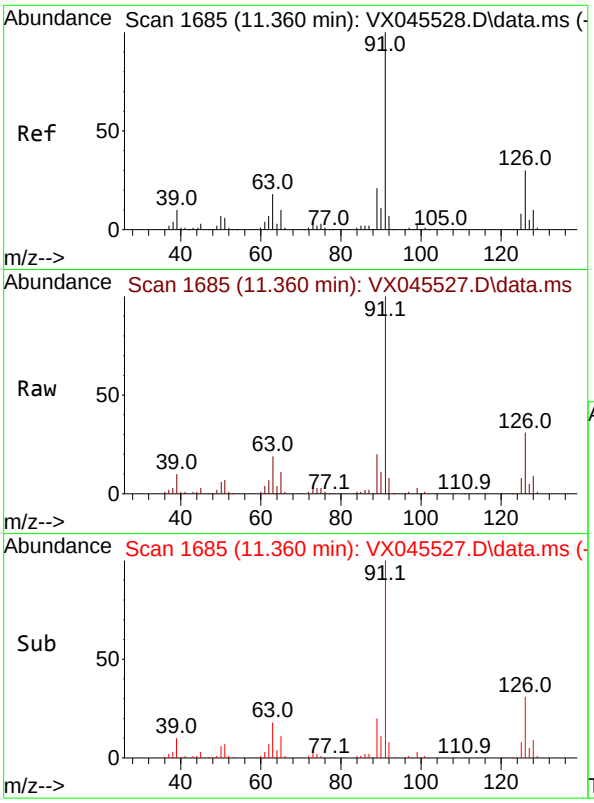


#78
n-propylbenzene
Concen: 21.729 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 130994

Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.8	32.3



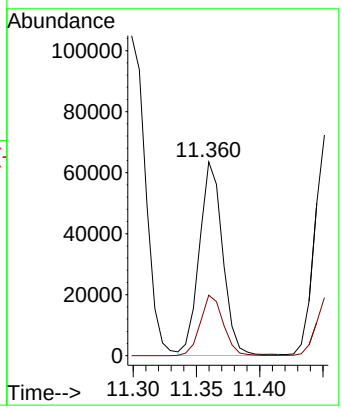


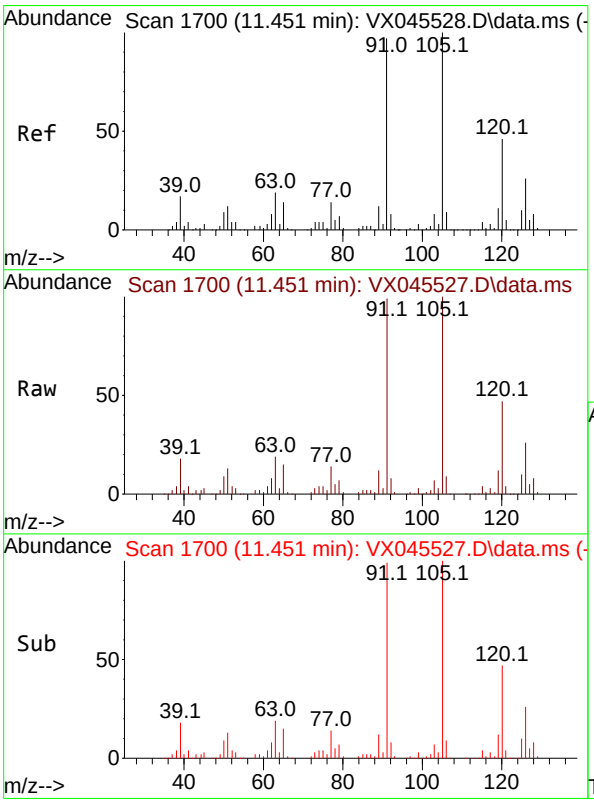
#79
2-Chlorotoluene
Concen: 21.229 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 81817

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

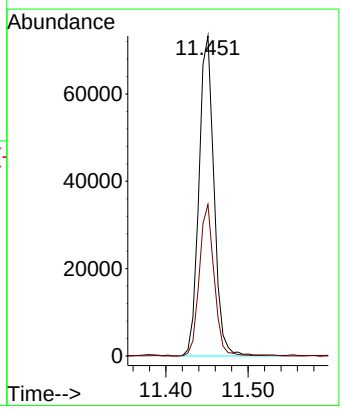


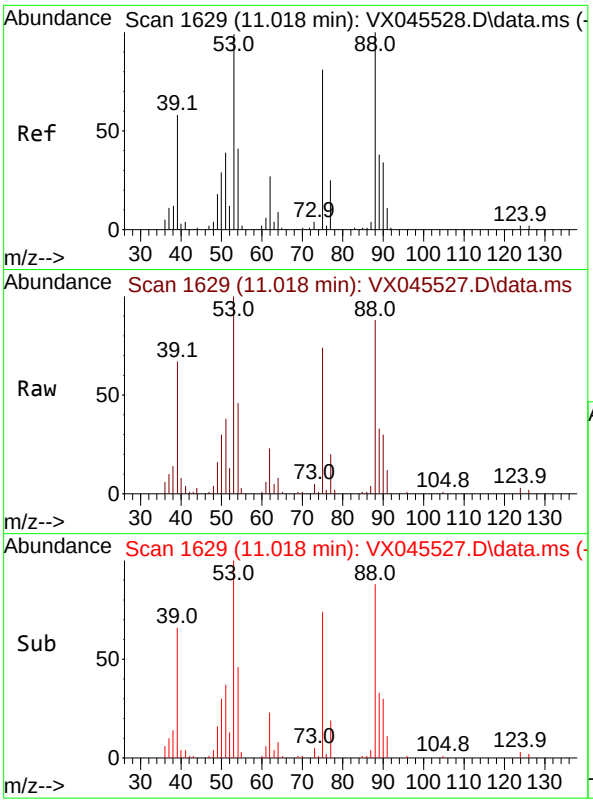


#80
1,3,5-Trimethylbenzene
Concen: 21.564 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 93328

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0



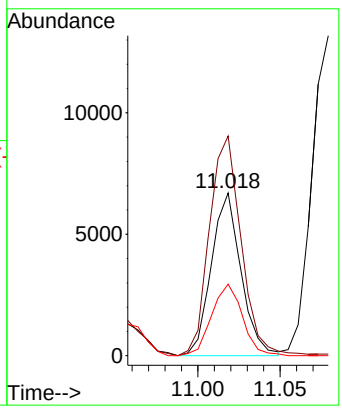


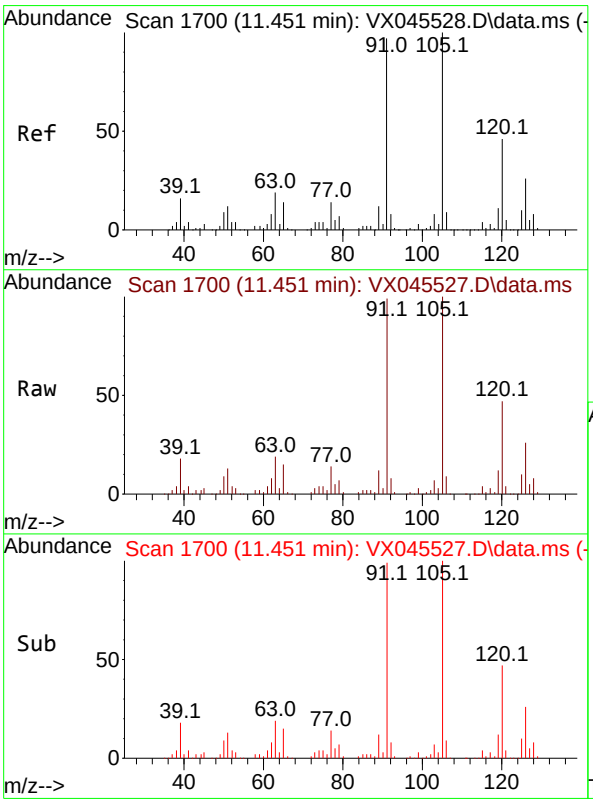
#81
trans-1,4-Dichloro-2-butene
Concen: 17.961 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8435

Ion	Ratio	Lower	Upper
75	100		
53	144.7	101.8	152.6
89	45.5	37.2	55.8

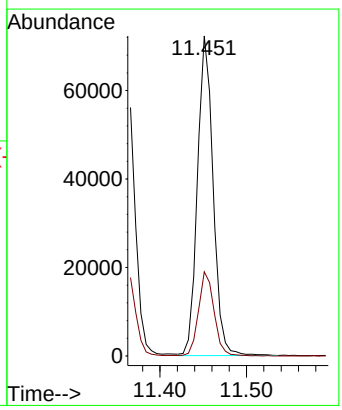


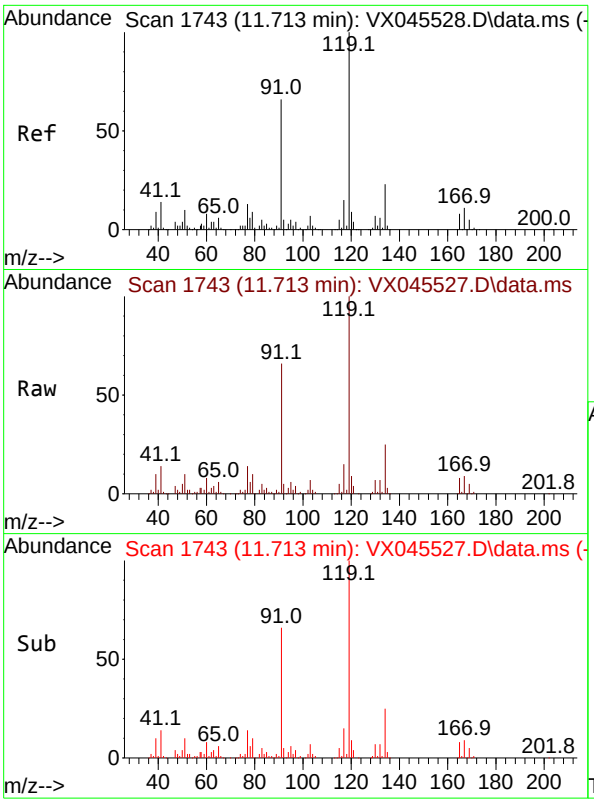


#82
4-Chlorotoluene
Concen: 21.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 90704

Ion	Ratio	Lower	Upper
91	100		
126	26.2	13.3	39.9



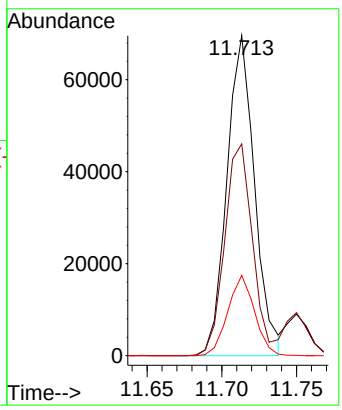


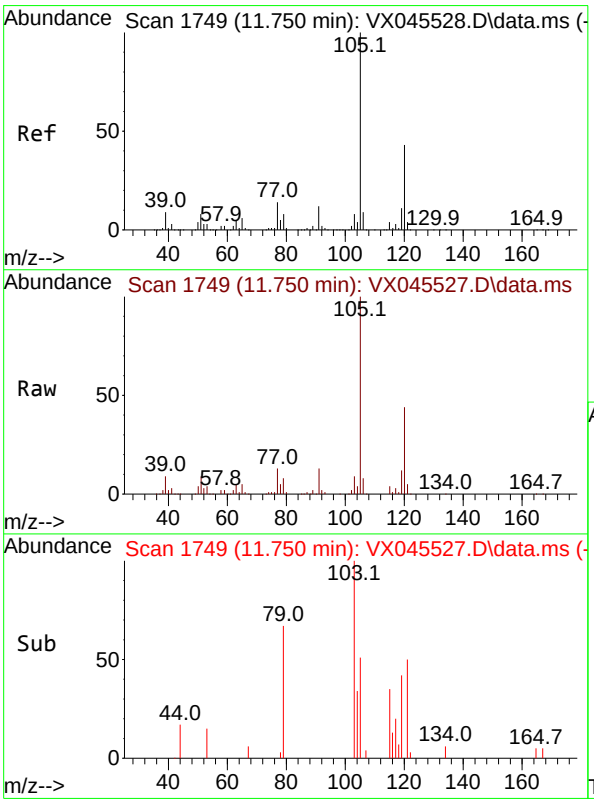
#83
tert-Butylbenzene
Concen: 20.964 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 89828

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.2	11.5	34.5

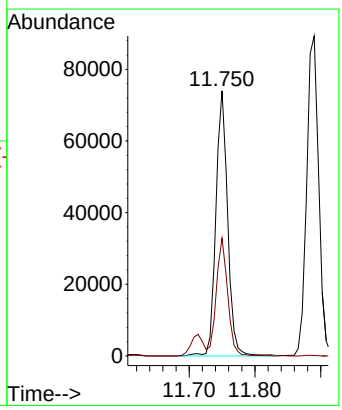


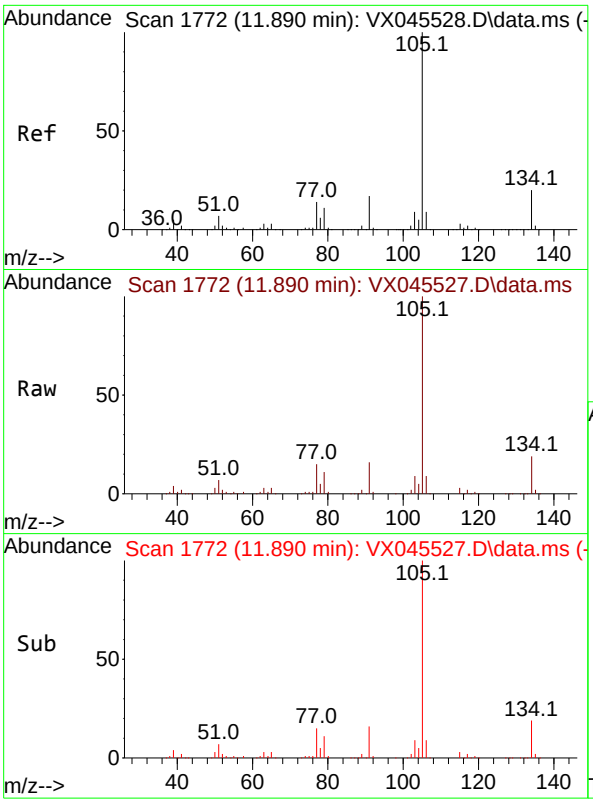


#84
1,2,4-Trimethylbenzene
Concen: 21.235 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 92242

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.4	64.3



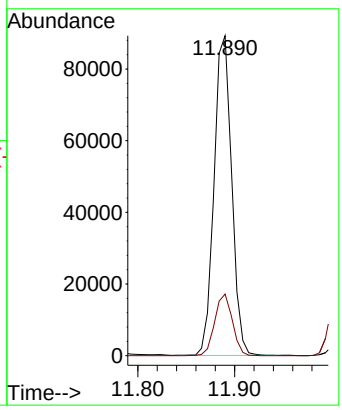


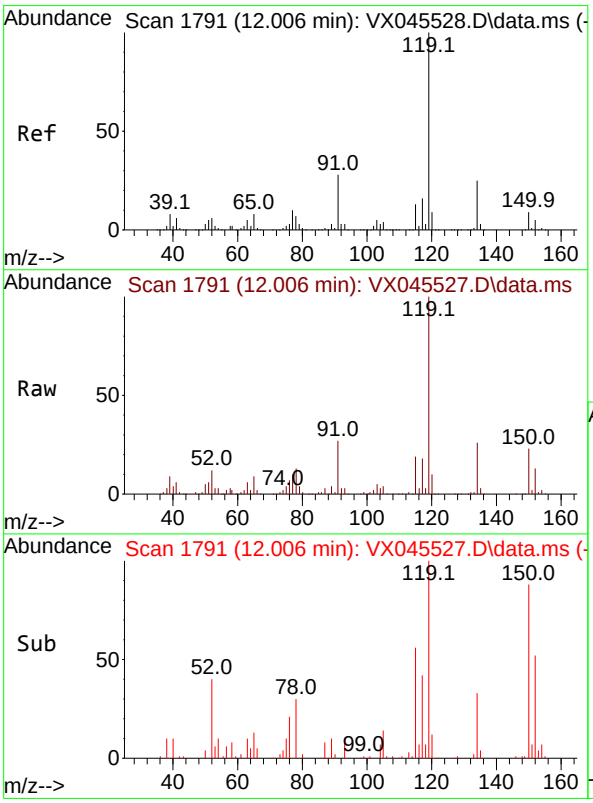
#85
sec-Butylbenzene
Concen: 21.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112800

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

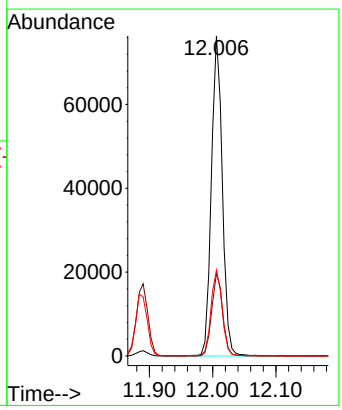


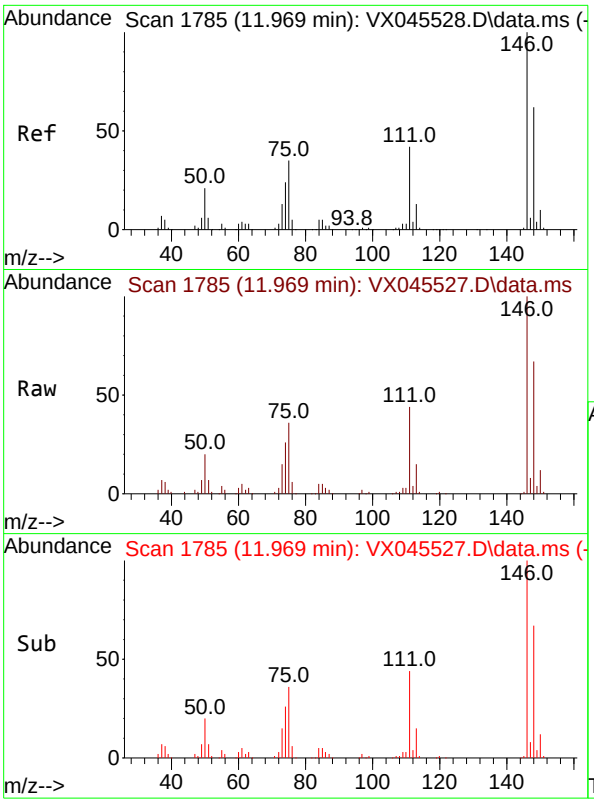


#86
p-Isopropyltoluene
Concen: 21.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 91866

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	27.1	13.7	41.1



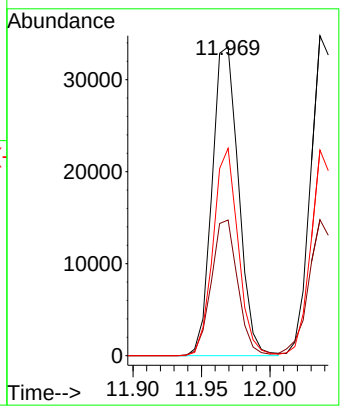


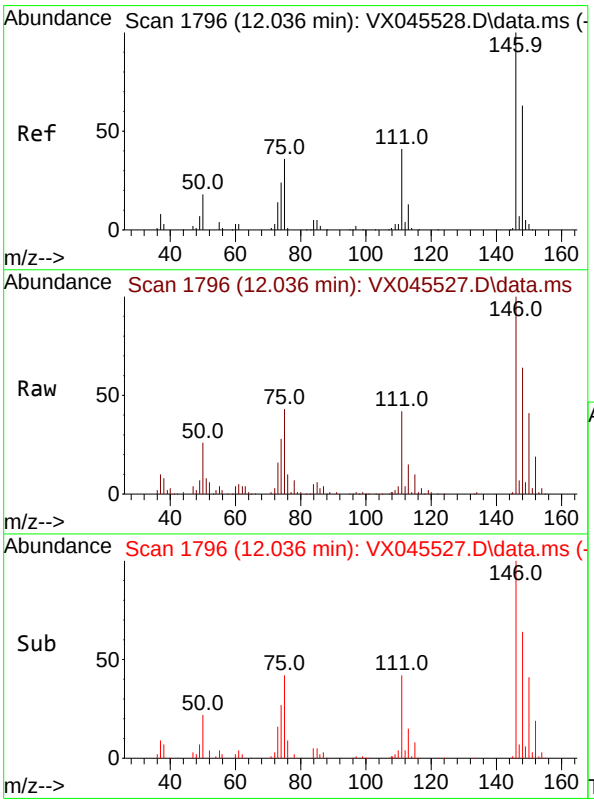
#87
1,3-Dichlorobenzene
Concen: 20.490 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 45105

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.6	31.9	95.7

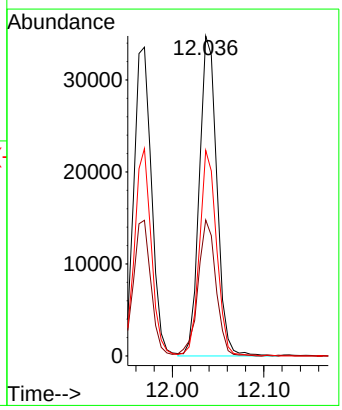


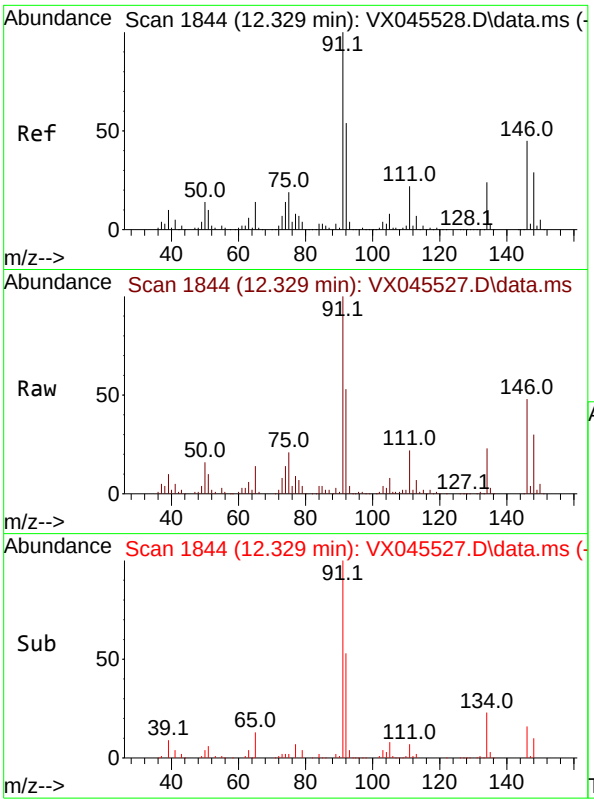


#88
1,4-Dichlorobenzene
Concen: 20.706 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 46208

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	62.6	31.5	94.5



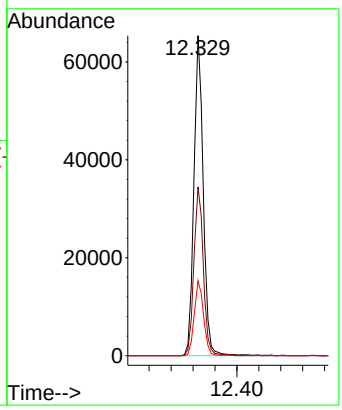


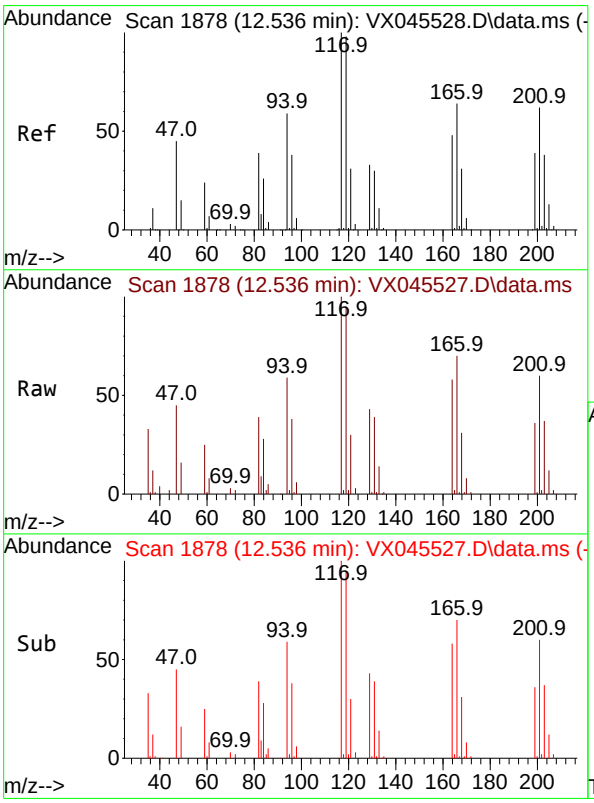
#89
n-Butylbenzene
Concen: 20.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 77739

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.6
134	23.4	11.9	35.7

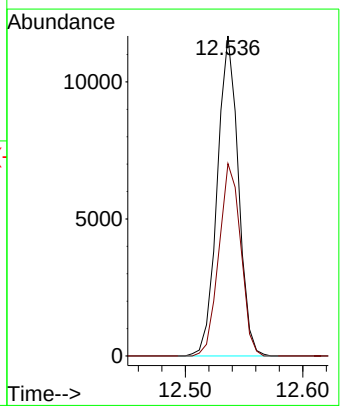


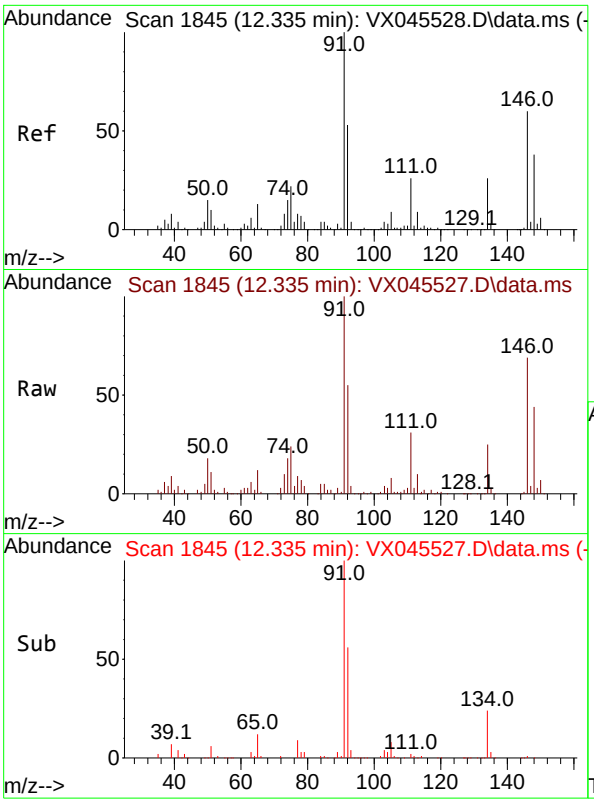


#90
Hexachloroethane
Concen: 19.505 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14544

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.2	93.6



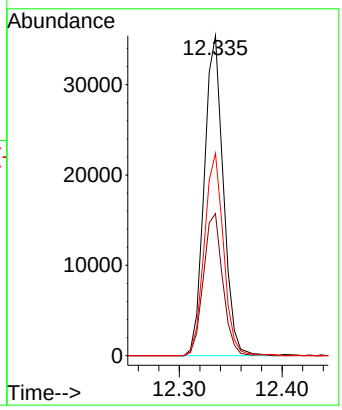


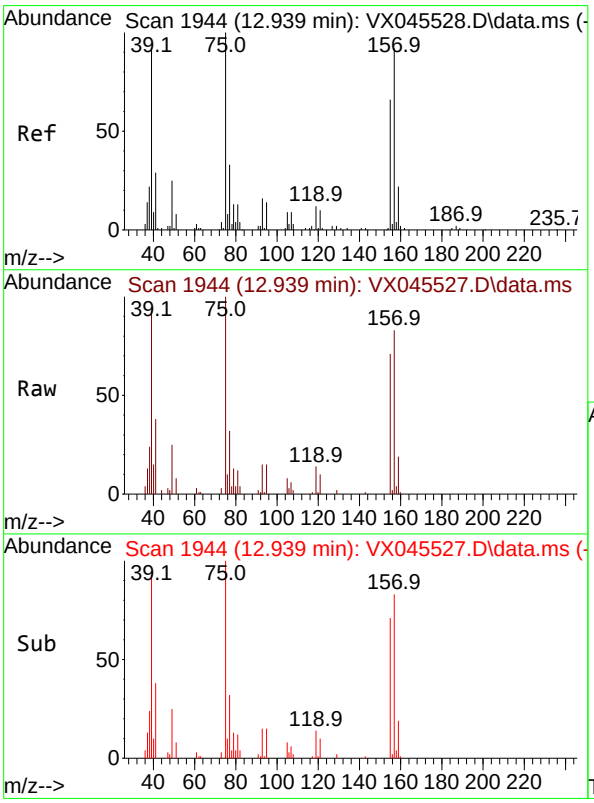
#91
1,2-Dichlorobenzene
Concen: 20.896 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 45732

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	63.6	31.9	95.5

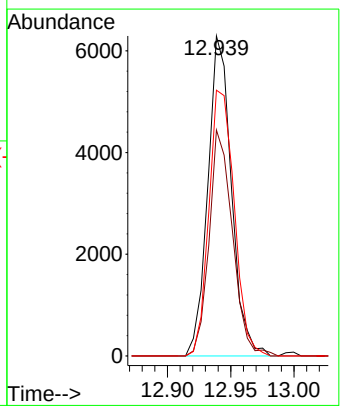


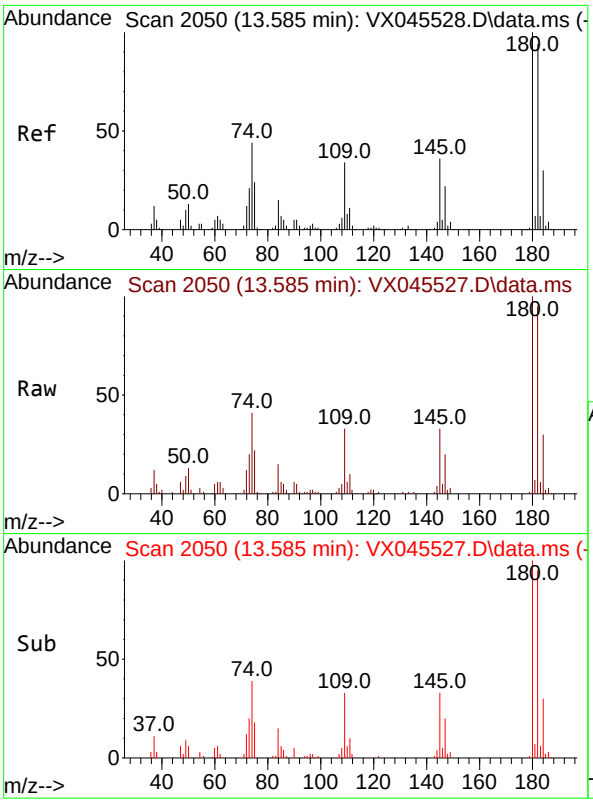


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.203 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 8153

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.7
157	89.1	44.9	134.7



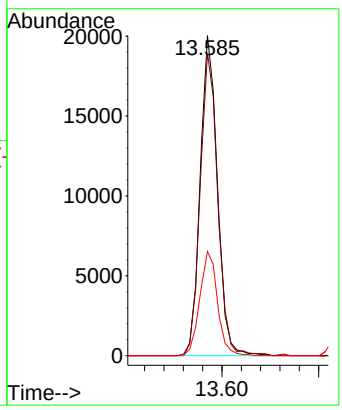


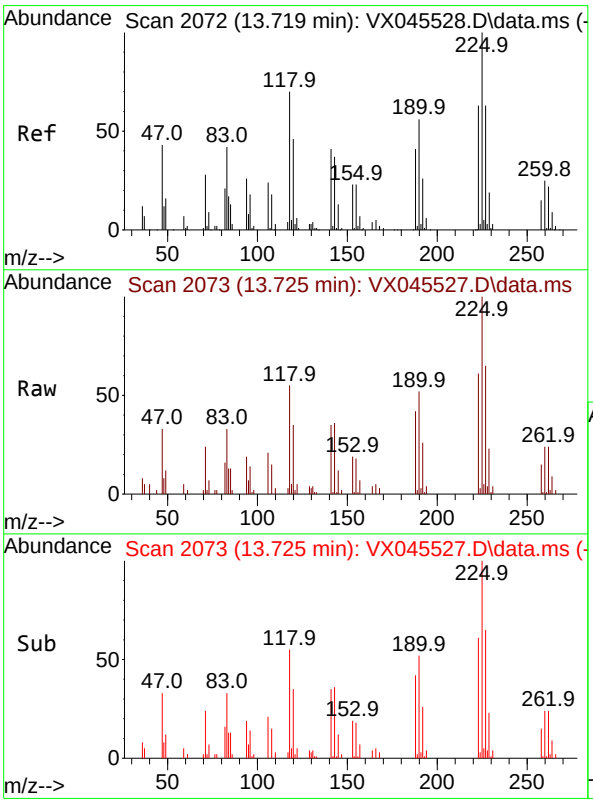
#93
1,2,4-Trichlorobenzene
Concen: 20.347 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 24787

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	33.6	17.9	53.8

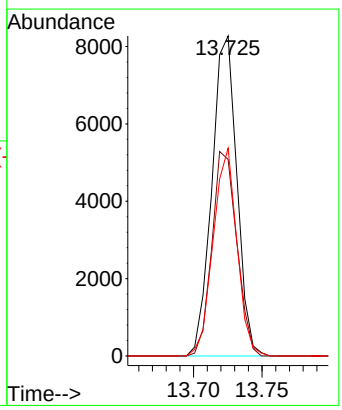


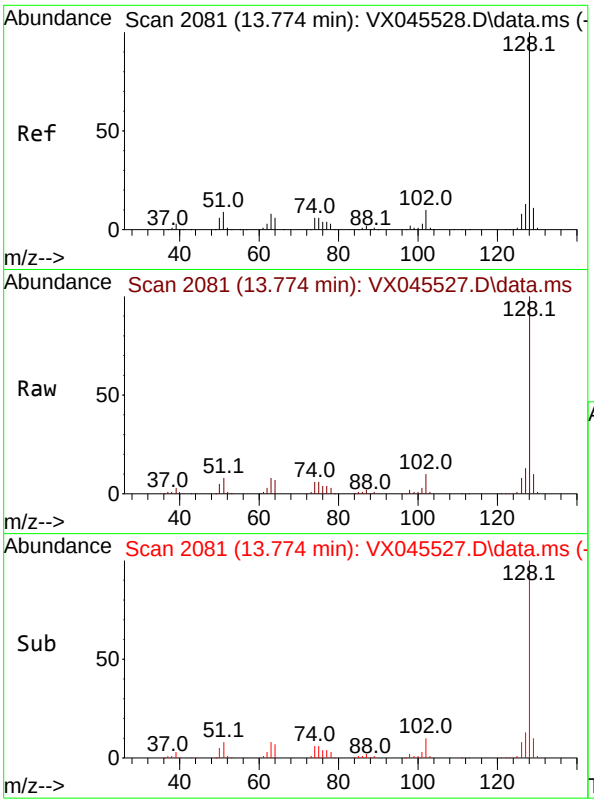


#94
Hexachlorobutadiene
Concen: 19.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:225 Resp: 10488

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	61.6	32.2	96.6



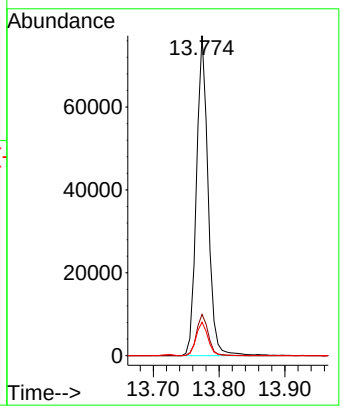


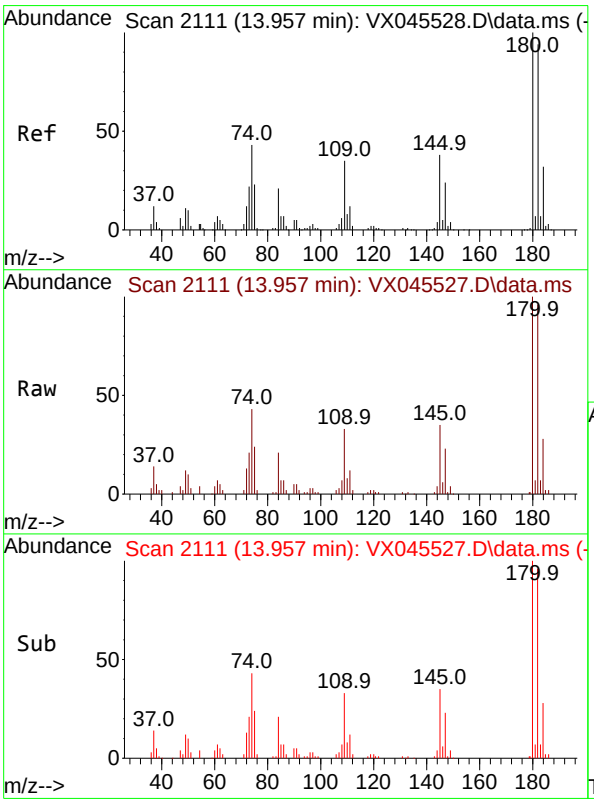
#95
Naphthalene
Concen: 20.928 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 94875

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	12.8

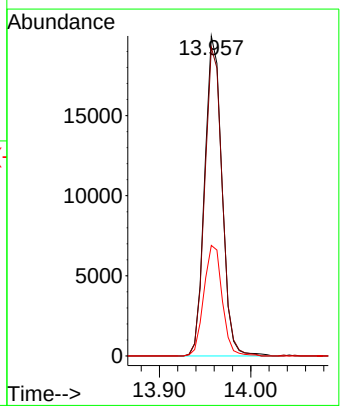




#96
1,2,3-Trichlorobenzene
Concen: 20.471 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:180 Resp: 26113

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	36.7	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	95658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83054	47.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.960%			
35) Dibromofluoromethane	5.379	113	58108	48.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	8.647	98	204338	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	76190	50.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78444	54.834	ug/l	100
3) Chloromethane	1.307	50	75032	51.054	ug/l	100
4) Vinyl Chloride	1.374	62	68516	50.942	ug/l	100
5) Bromomethane	1.593	94	31584	49.526	ug/l	100
6) Chloroethane	1.666	64	38112	53.409	ug/l	100
7) Trichlorofluoromethane	1.874	101	103888	51.798	ug/l	100
8) Diethyl Ether	2.136	74	33953	50.424	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	59431	50.569	ug/l	100
10) Methyl Iodide	2.447	142	76404	52.121	ug/l	100
11) Tert butyl alcohol	2.977	59	60610	257.809	ug/l	100
12) 1,1-Dichloroethene	2.313	96	57738	50.278	ug/l	100
13) Acrolein	2.239	56	79989	247.074	ug/l	100
14) Allyl chloride	2.660	41	112085	51.441	ug/l	100
15) Acrylonitrile	3.062	53	194445	262.015	ug/l	100
16) Acetone	2.386	43	180563	251.366	ug/l	100
17) Carbon Disulfide	2.508	76	148601	52.393	ug/l	100
18) Methyl Acetate	2.703	43	82000	49.581	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	202582	50.429	ug/l	100
20) Methylene Chloride	2.782	84	67855	50.457	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59696	50.882	ug/l	100
22) Diisopropyl ether	3.764	45	219374	51.111	ug/l	100
23) Vinyl Acetate	3.721	43	998064	269.139	ug/l	100
24) 1,1-Dichloroethane	3.605	63	121348	49.992	ug/l	100
25) 2-Butanone	4.556	43	280076	266.363	ug/l	100
26) 2,2-Dichloropropane	4.471	77	81054	51.683	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71871	50.282	ug/l	100
28) Bromochloromethane	4.897	49	57046	48.632	ug/l	100
29) Tetrahydrofuran	5.001	42	177402	260.230	ug/l	100
30) Chloroform	5.086	83	125797	50.366	ug/l	100
31) Cyclohexane	5.464	56	107407	50.052	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	106062	50.184	ug/l	100
36) 1,1-Dichloropropene	5.684	75	81607	50.620	ug/l	100
37) Ethyl Acetate	4.715	43	104896	51.632	ug/l	100
38) Carbon Tetrachloride	5.672	117	90247	51.797	ug/l	100
39) Methylcyclohexane	7.373	83	104678	52.970	ug/l	100
40) Benzene	6.031	78	249161	50.605	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	59068	54.623	ug/l		100
42) 1,2-Dichloroethane	6.080	62	104601	51.437	ug/l		100
43) Isopropyl Acetate	6.336	43	164588	53.452	ug/l		100
44) Trichloroethene	7.123	130	59042	50.452	ug/l		100
45) 1,2-Dichloropropane	7.427	63	63316	51.540	ug/l		100
46) Dibromomethane	7.574	93	49125	52.092	ug/l		100
47) Bromodichloromethane	7.818	83	96176	51.068	ug/l		100
48) Methyl methacrylate	7.690	41	85483	53.768	ug/l		100
49) 1,4-Dioxane	7.659	88	31199	1084.635	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	558029	273.375	ug/l		100
52) Toluene	8.714	92	153143	51.402	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	85462	47.317	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	95524	53.975	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	60452	50.919	ug/l		100
56) Ethyl methacrylate	9.116	69	100998	54.970	ug/l		100
57) 1,3-Dichloropropane	9.305	76	106580	51.554	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	250428	269.434	ug/l		100
59) 2-Hexanone	9.427	43	413824	273.765	ug/l		100
60) Dibromochloromethane	9.519	129	69258	53.511	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62812	52.264	ug/l		100
64) Tetrachloroethene	9.269	164	52155	49.181	ug/l		100
65) Chlorobenzene	10.073	112	162829	50.733	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55974	50.233	ug/l		100
67) Ethyl Benzene	10.189	91	301481	52.447	ug/l		100
68) m/p-Xylenes	10.299	106	218702	104.606	ug/l		100
69) o-Xylene	10.640	106	108028	52.452	ug/l		100
70) Styrene	10.653	104	182620	53.723	ug/l		100
71) Bromoform	10.799	173	44397	53.361	ug/l	#	100
73) Isopropylbenzene	10.957	105	287628	52.203	ug/l		100
74) N-amyl acetate	10.842	43	141589	53.721	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	95200	49.185	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	105411	62.825	ug/l		87
77) Bromobenzene	11.195	156	64527	50.686	ug/l		100
78) n-propylbenzene	11.299	91	336796	53.069	ug/l		100
79) 2-Chlorotoluene	11.360	91	203994	50.279	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241536	53.013	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25488	51.556	ug/l		100
82) 4-Chlorotoluene	11.451	91	237213	52.439	ug/l		100
83) tert-Butylbenzene	11.713	119	235715	52.256	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	242301	52.986	ug/l		100
85) sec-Butylbenzene	11.890	105	295799	53.391	ug/l		100
86) p-Isopropyltoluene	12.006	119	242416	53.073	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	116890	50.441	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	117164	49.871	ug/l		100
89) n-Butylbenzene	12.329	91	217345	54.874	ug/l		100
90) Hexachloroethane	12.536	117	41095	52.352	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115426	50.099	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21712	53.638	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65145	50.797	ug/l		100
94) Hexachlorobutadiene	13.719	225	27795	50.296	ug/l		100
95) Naphthalene	13.774	128	256009	53.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68781	51.219	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

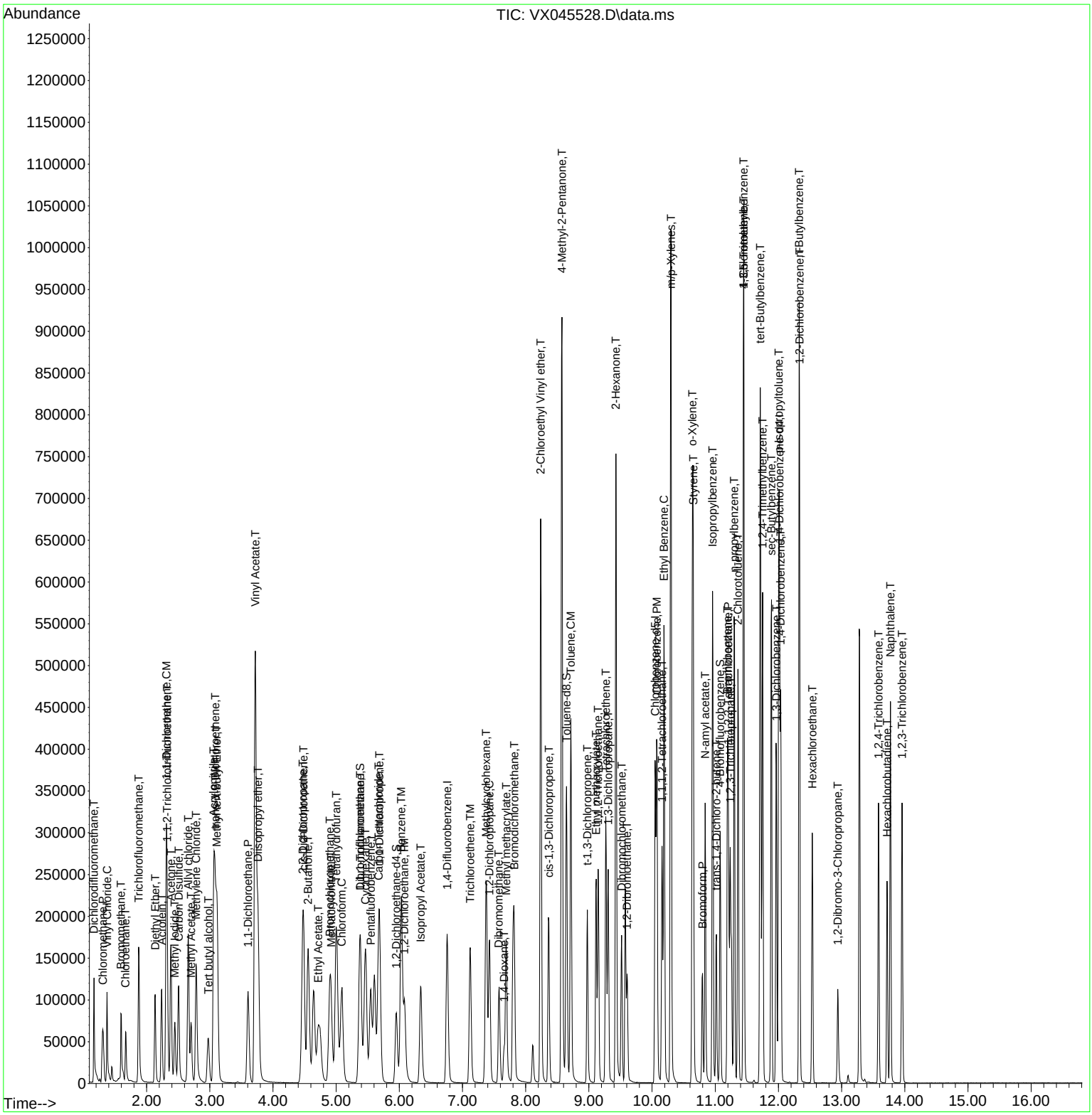
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

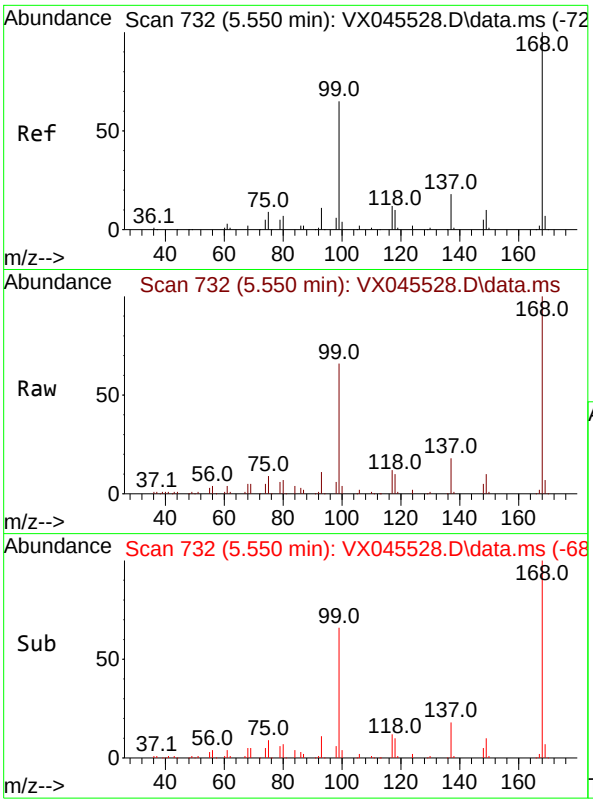
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



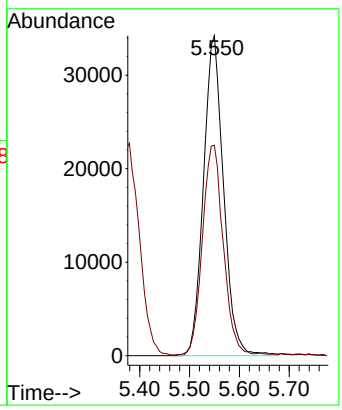


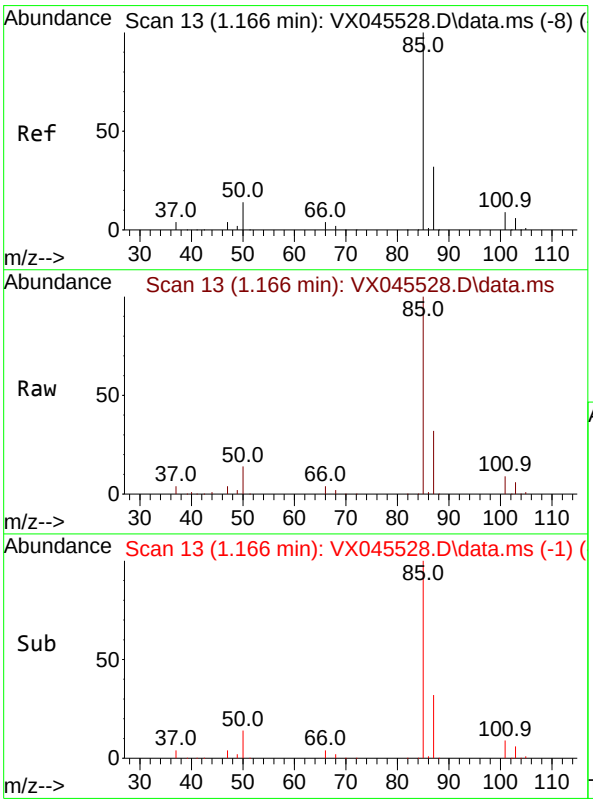
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 95658

Ion	Ratio	Lower	Upper
168	100		
99	65.4	52.3	78.5

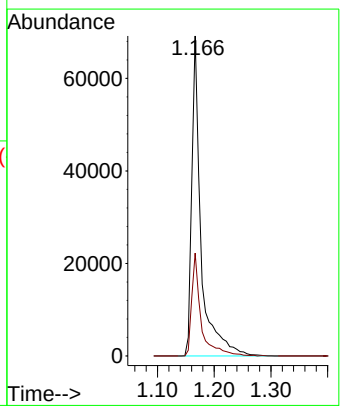


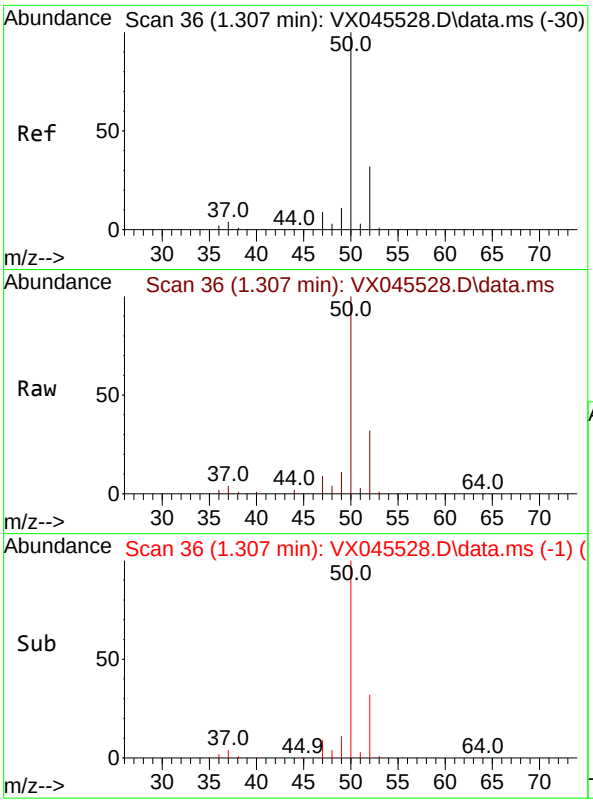


#2
Dichlorodifluoromethane
Concen: 54.834 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 85 Resp: 78444

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2



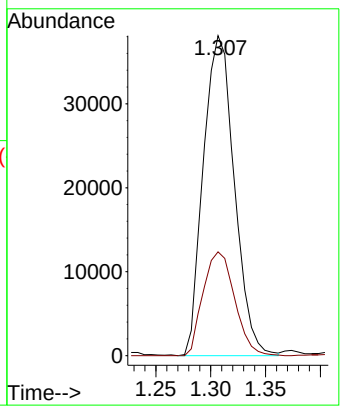


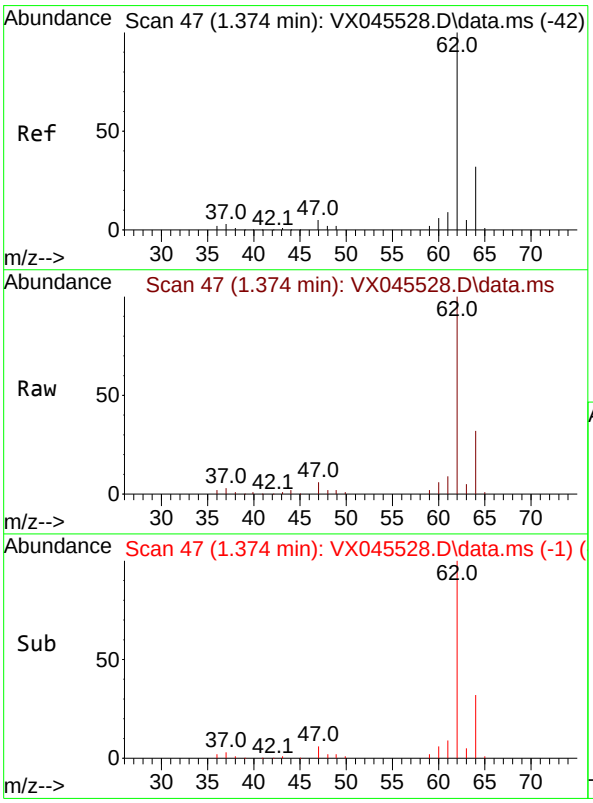
#3
Chloromethane
Concen: 51.054 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 75032

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

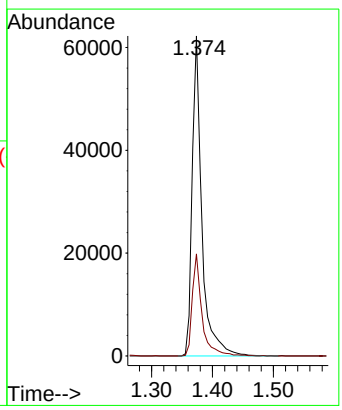


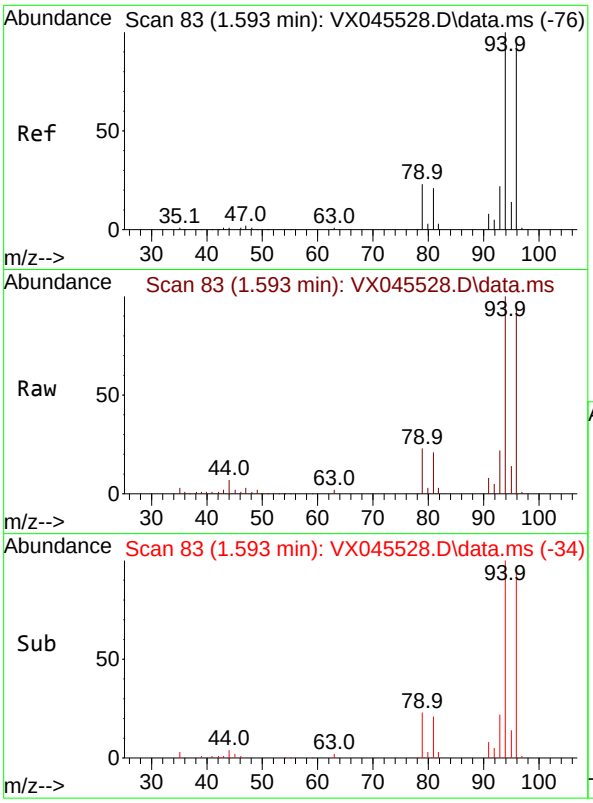


#4
Vinyl Chloride
Concen: 50.942 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 68516

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3



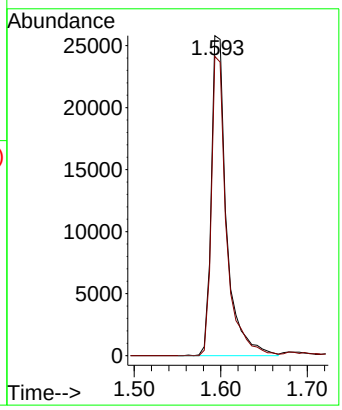


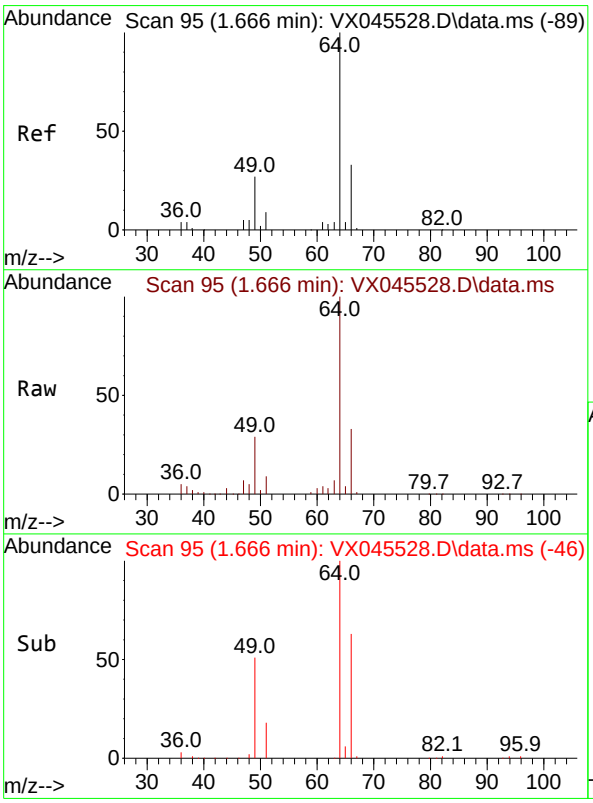
#5
Bromomethane
Concen: 49.526 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31584

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.8	112.2

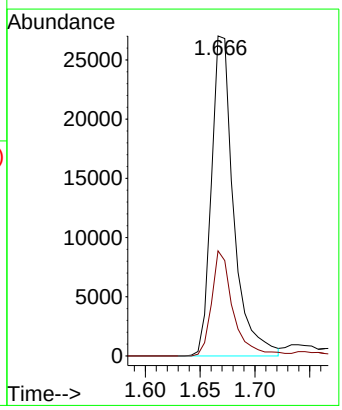


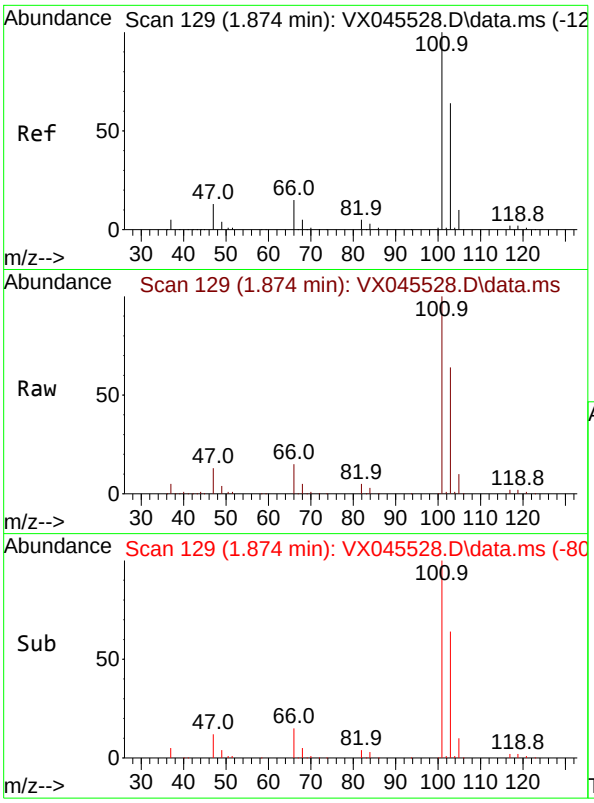


#6
Chloroethane
Concen: 53.409 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 64 Resp: 38112

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.3	39.5



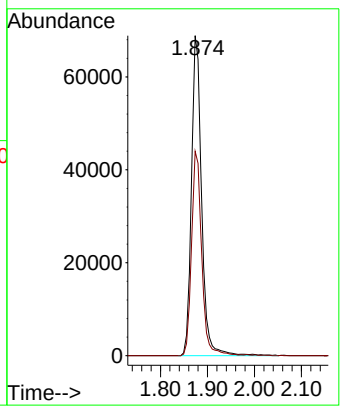


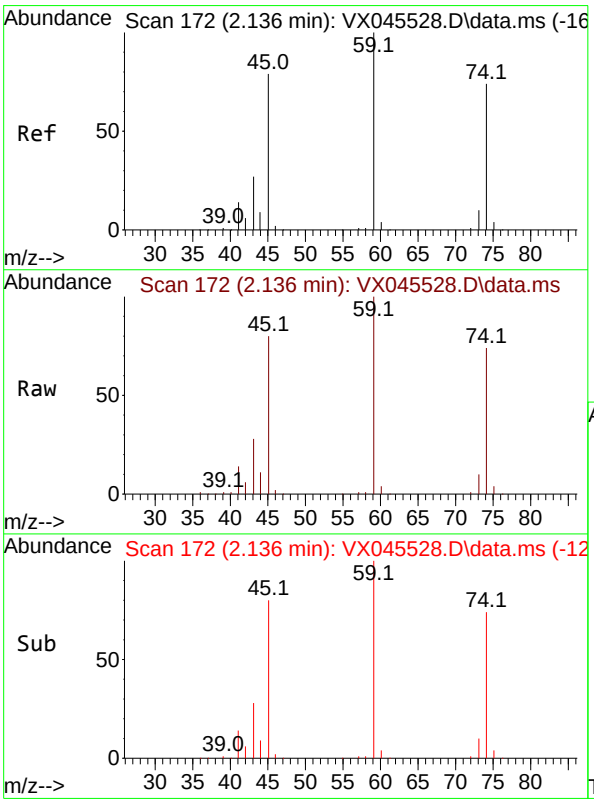
#7
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103888

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

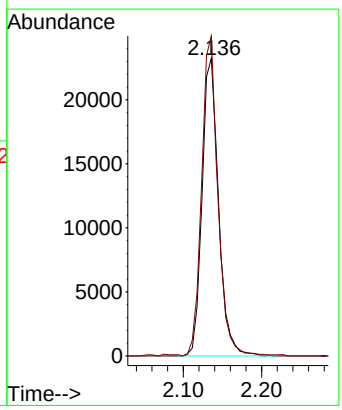


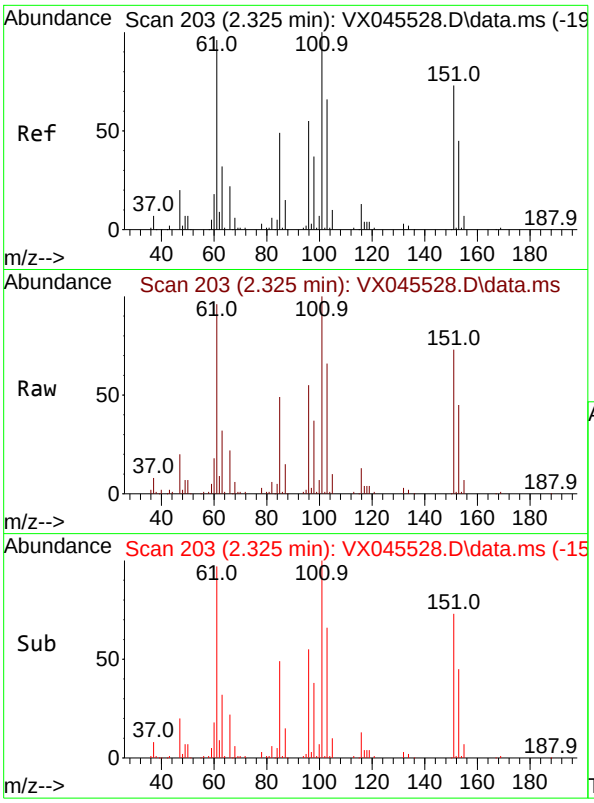


#8
Diethyl Ether
Concen: 50.424 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 74 Resp: 33953

Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.0	159.1



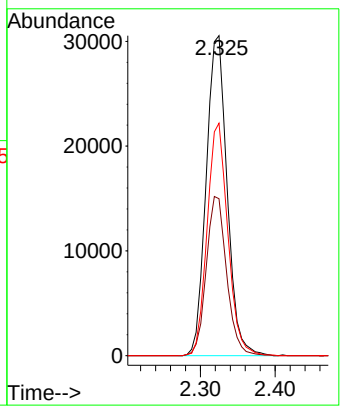


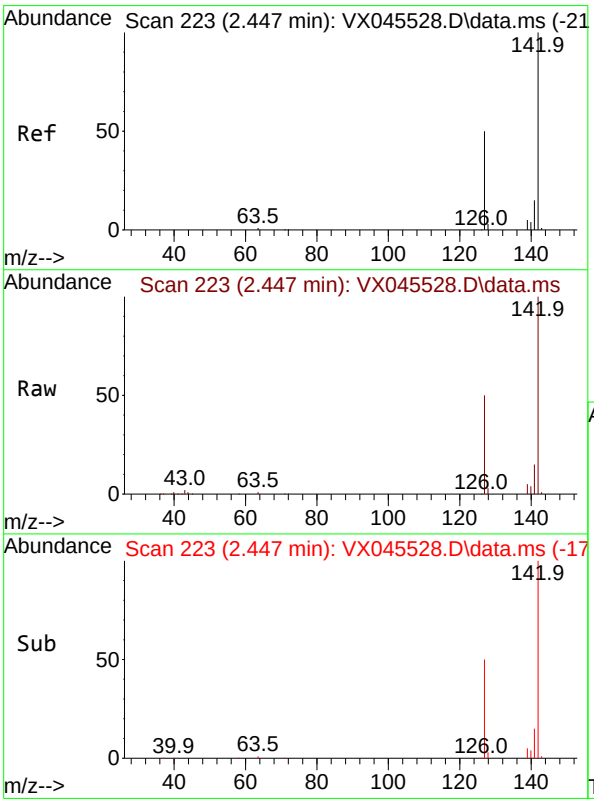
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.569 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 59431

Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.9	58.3
151	71.9	57.5	86.3

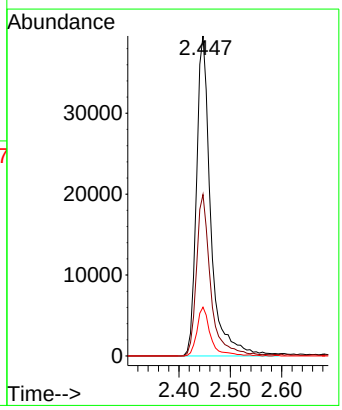


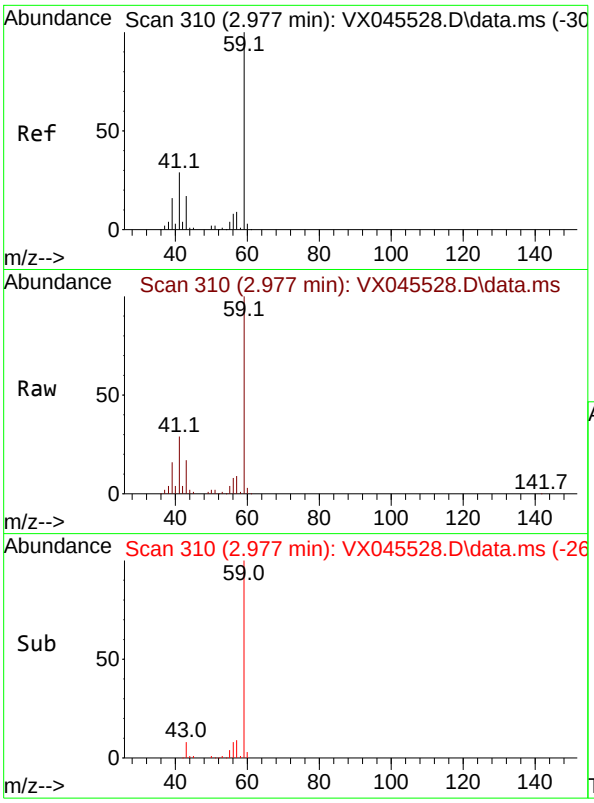


#10
Methyl Iodide
Concen: 52.121 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:142 Resp: 76404

Ion	Ratio	Lower	Upper
142	100		
127	50.3	40.2	60.4
141	14.6	11.7	17.5



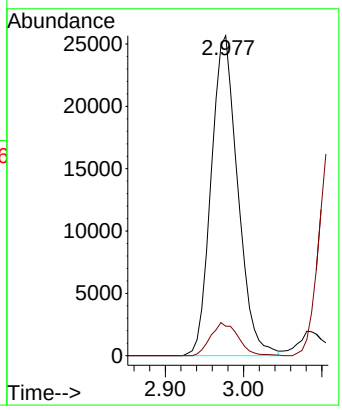


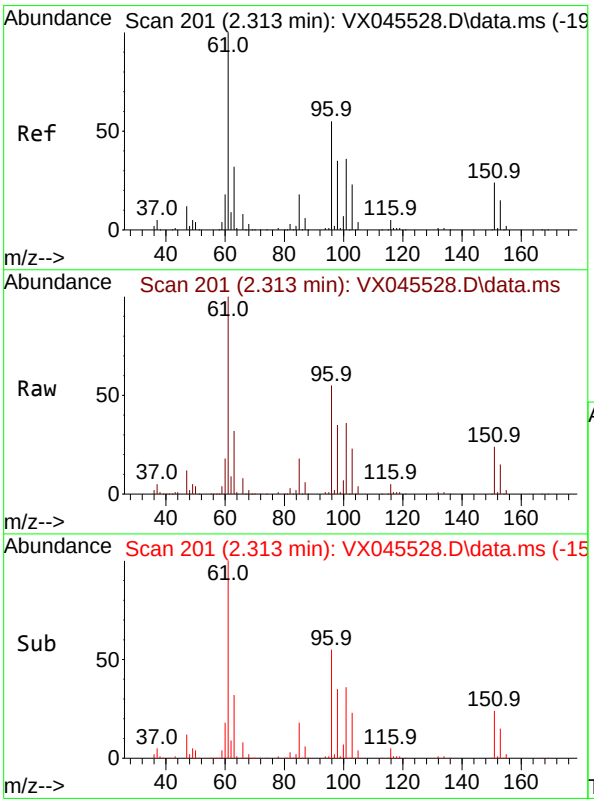
#11
Tert butyl alcohol
Concen: 257.809 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 60610

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

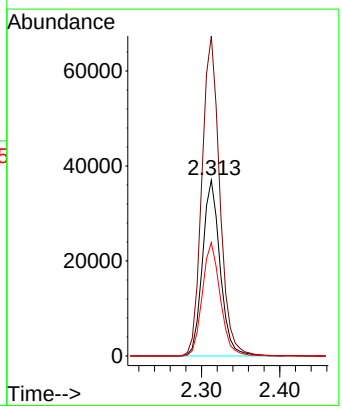


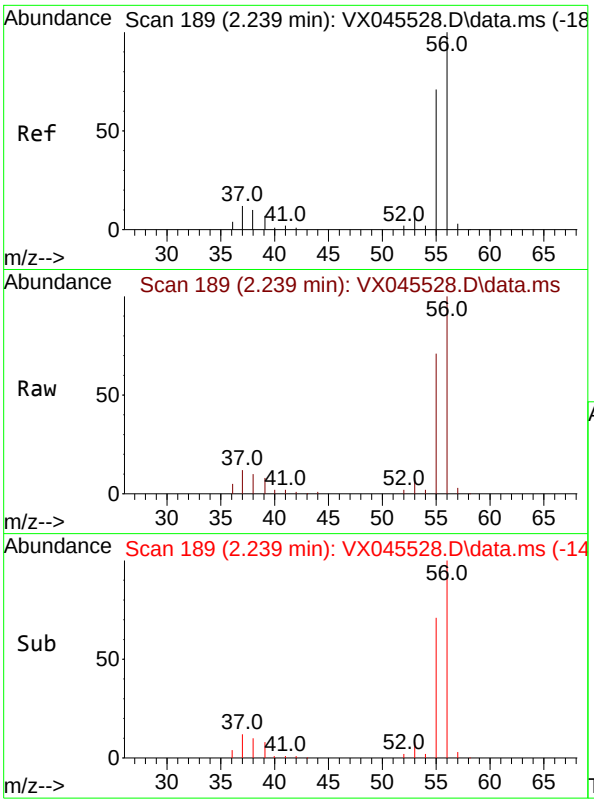


#12
1,1-Dichloroethene
Concen: 50.278 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 57738

Ion	Ratio	Lower	Upper
96	100		
61	182.1	145.7	218.5
98	64.5	51.6	77.4



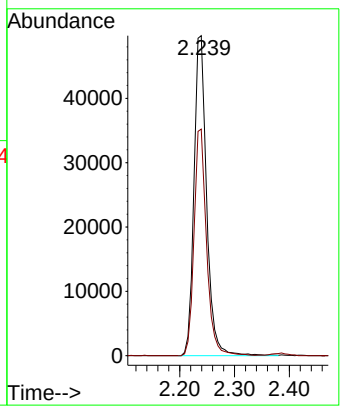


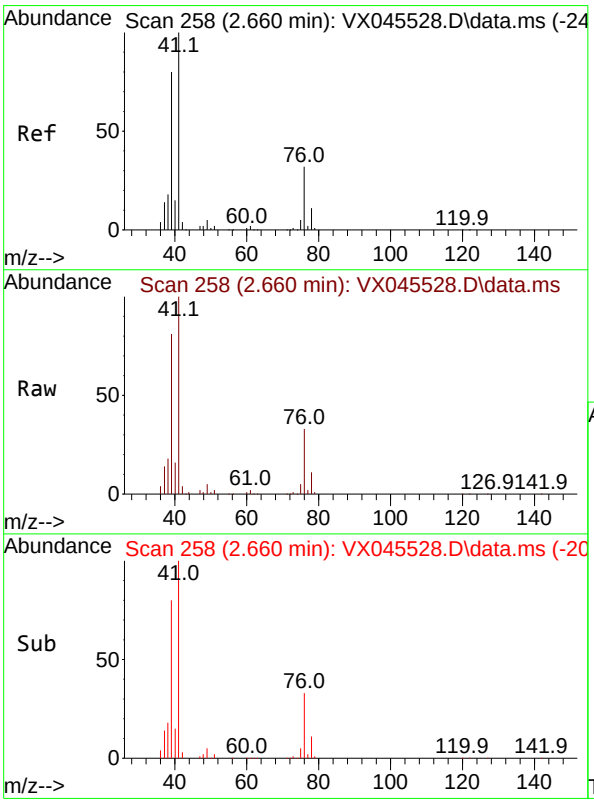
#13
Acrolein
Concen: 247.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 79989

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2

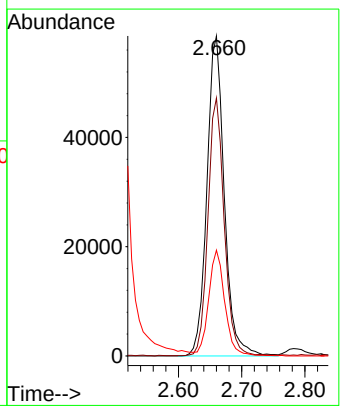


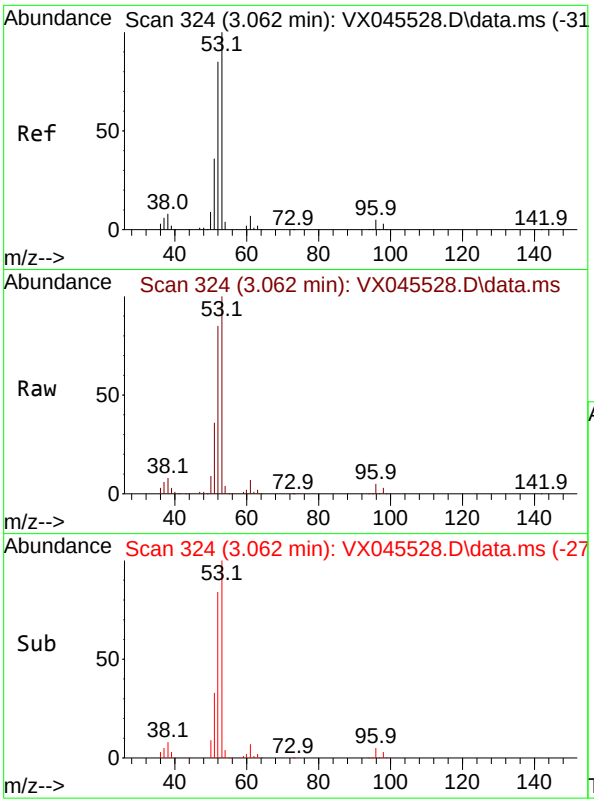


#14
Allyl chloride
Concen: 51.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 112085

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	30.7	24.6	36.8



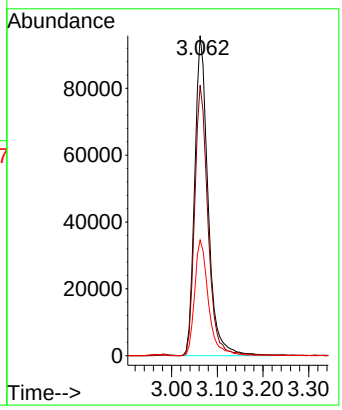


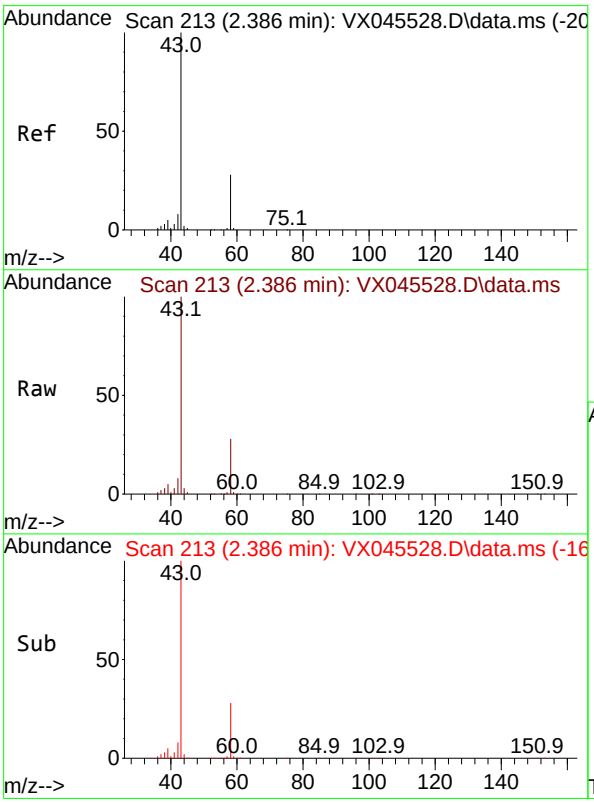
#15
Acrylonitrile
Concen: 262.015 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 194445

Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.4	29.9	44.9

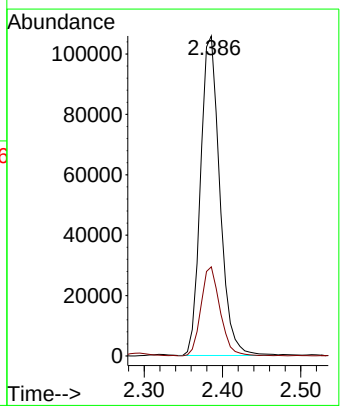


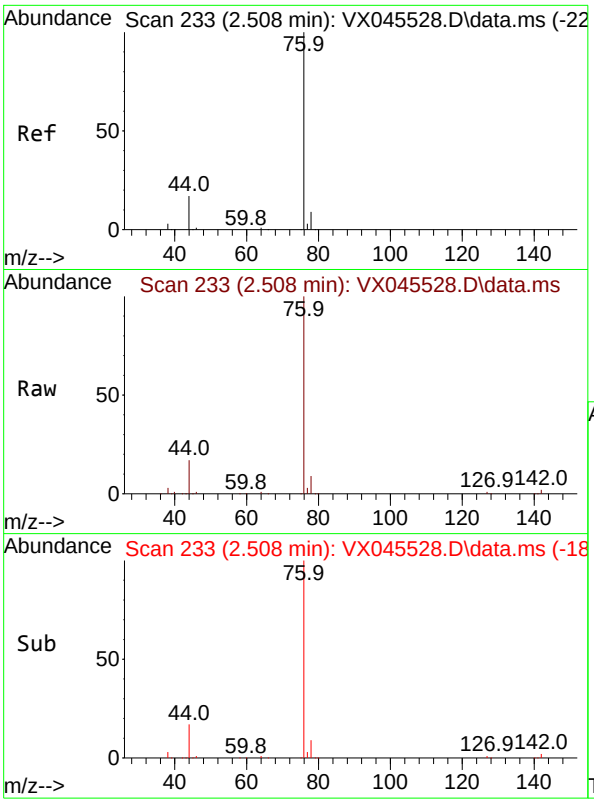


#16
Acetone
Concen: 251.366 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 180563

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5



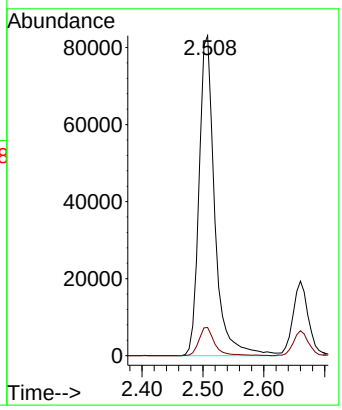


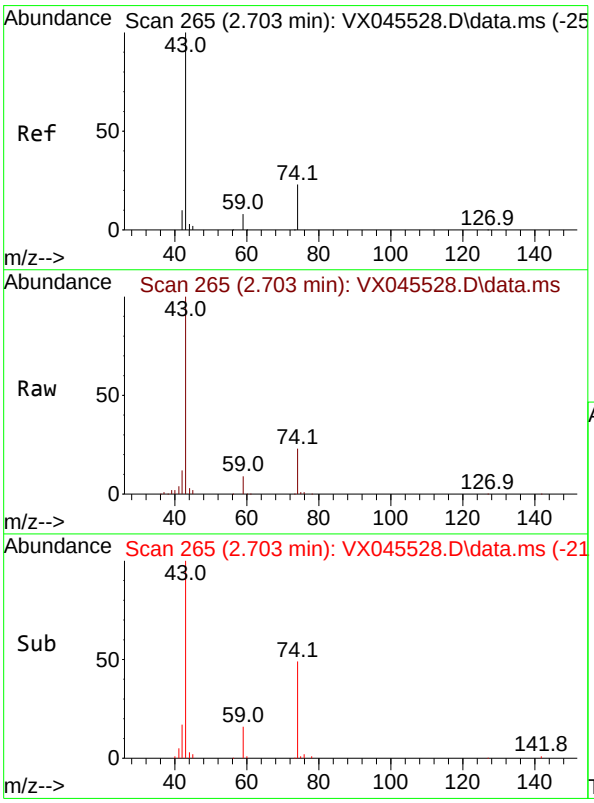
#17
Carbon Disulfide
Concen: 52.393 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 148601

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

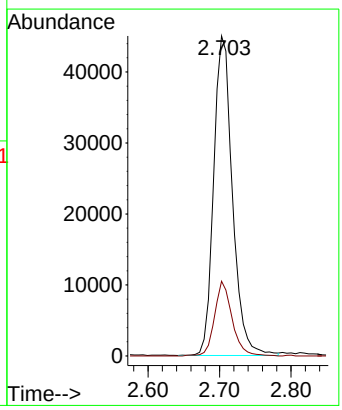


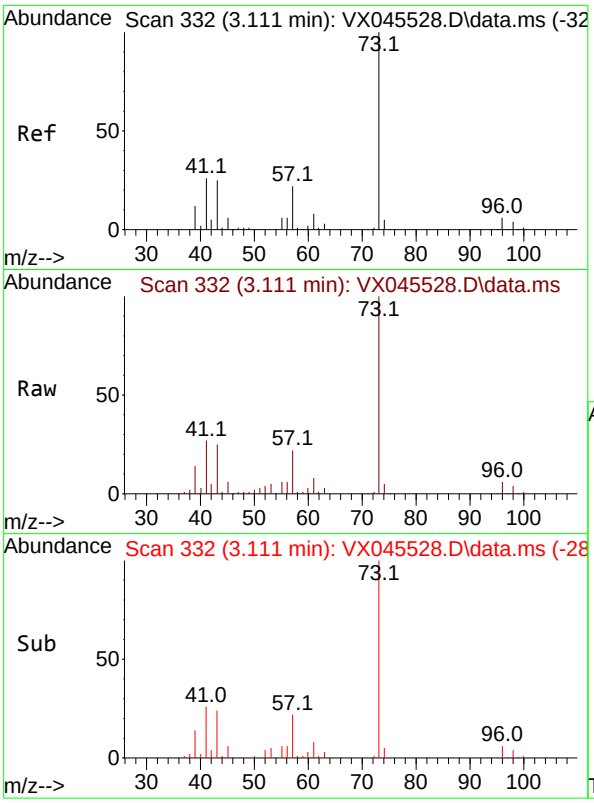


#18
Methyl Acetate
Concen: 49.581 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 82000

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3



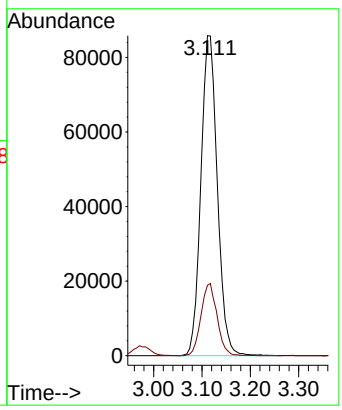


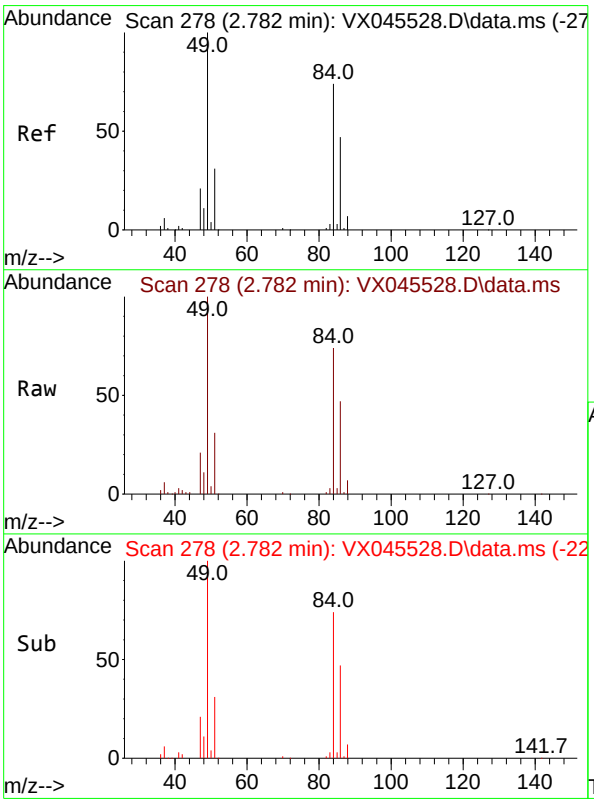
#19
Methyl tert-butyl Ether
Concen: 50.429 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 202582

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4

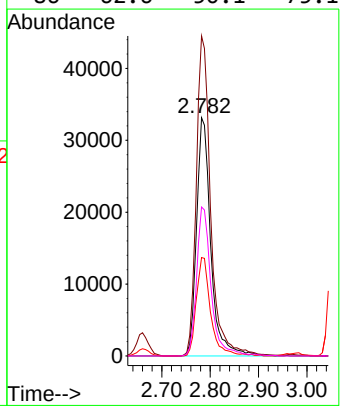


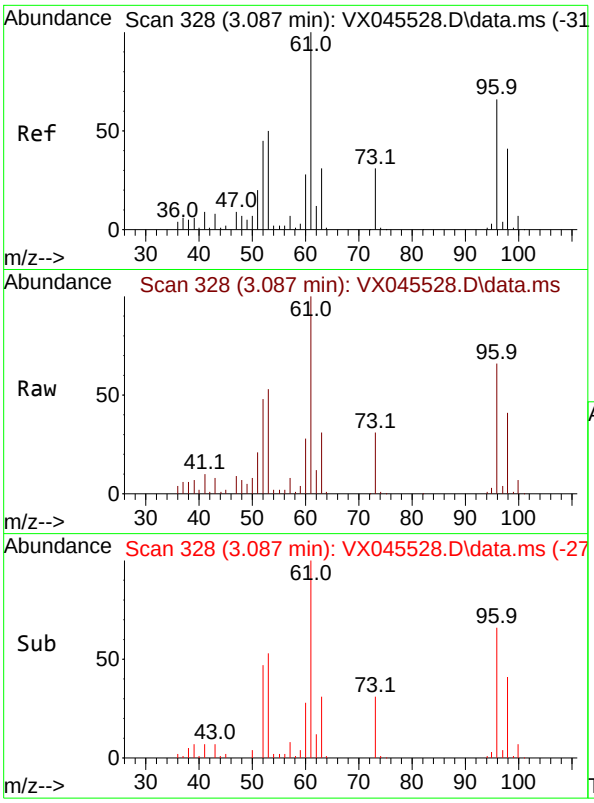


#20
Methylene Chloride
Concen: 50.457 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 84 Resp: 67855

Ion	Ratio	Lower	Upper
84	100		
49	134.4	107.5	161.3
51	41.3	33.0	49.6
86	62.6	50.1	75.1



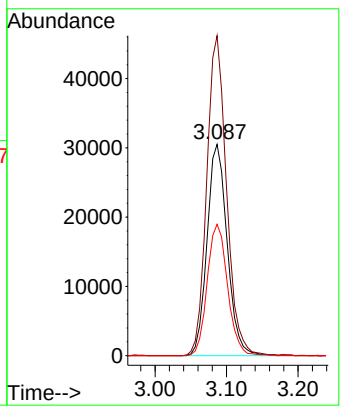


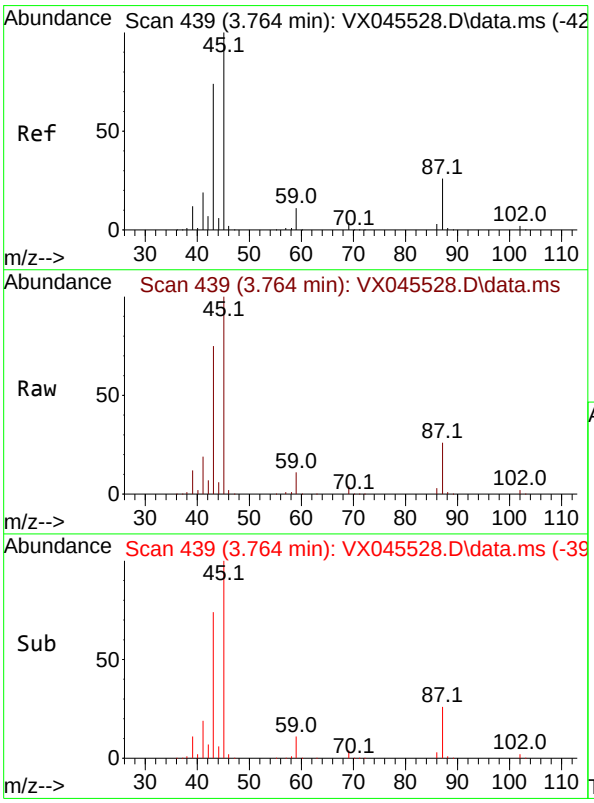
#21
trans-1,2-Dichloroethene
Concen: 50.882 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 59696

Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.0	181.6
98	62.1	49.7	74.5

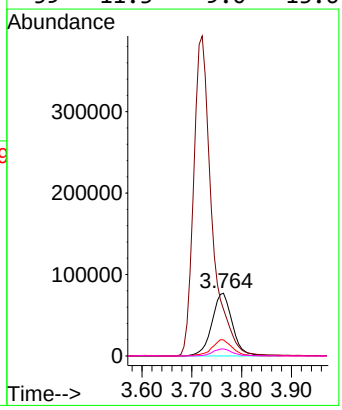


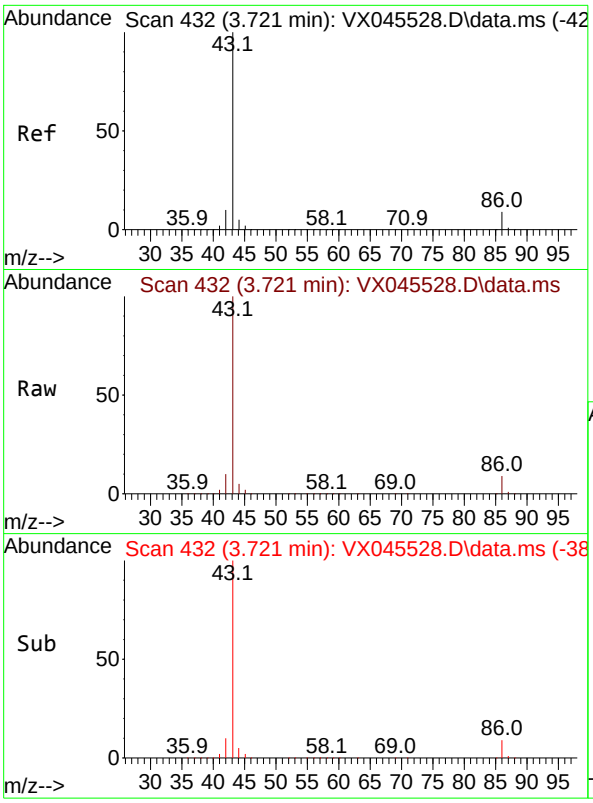


#22
Diisopropyl ether
Concen: 51.111 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 45 Resp: 219374

Ion	Ratio	Lower	Upper
45	100		
43	74.1	59.3	88.9
87	25.5	20.4	30.6
59	11.3	9.0	13.6



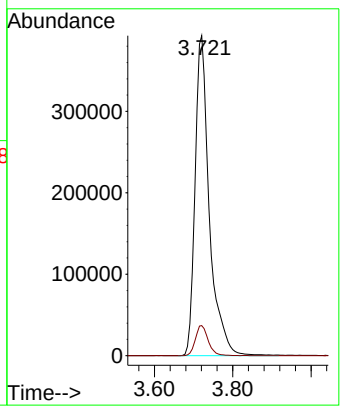


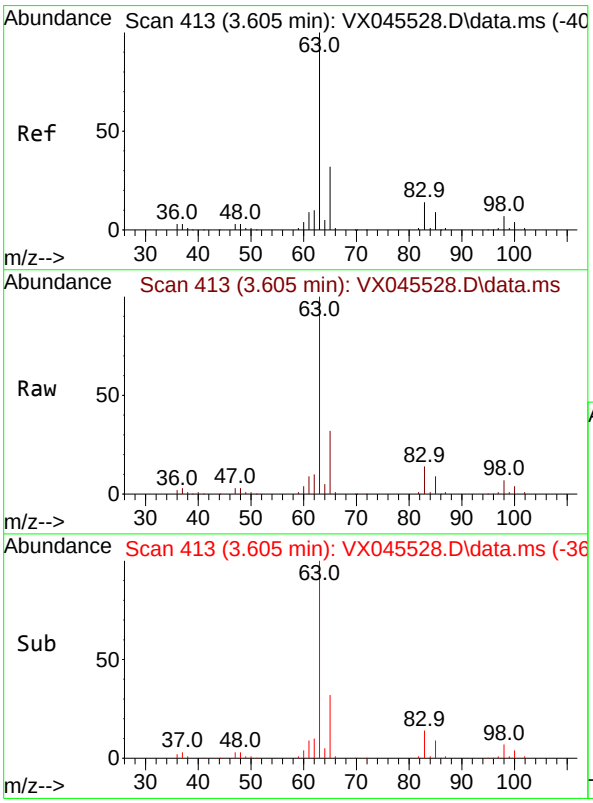
#23
Vinyl Acetate
Concen: 269.139 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 998064

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

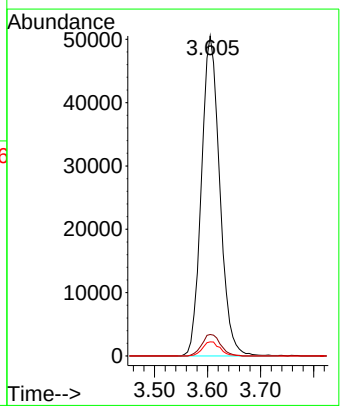


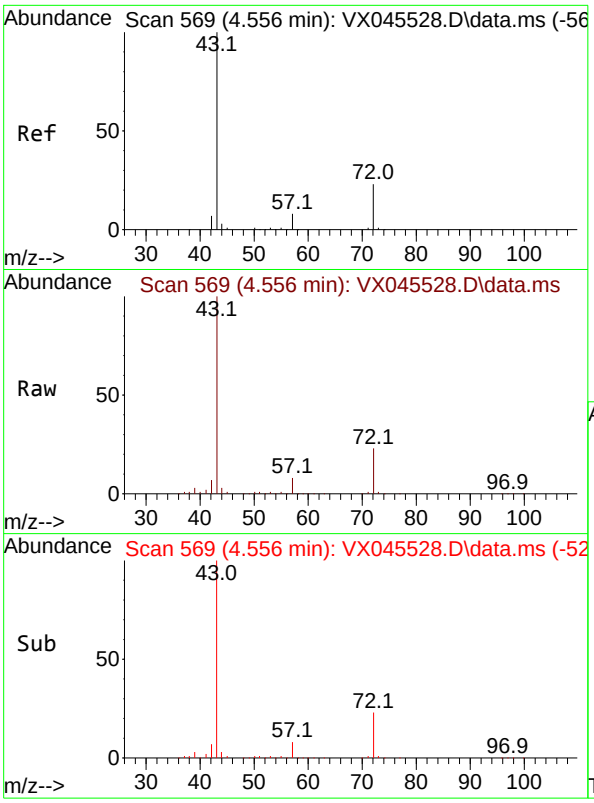


#24
1,1-Dichloroethane
Concen: 49.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 121348

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.4	2.2	6.6



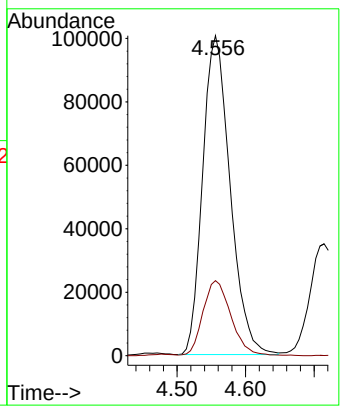


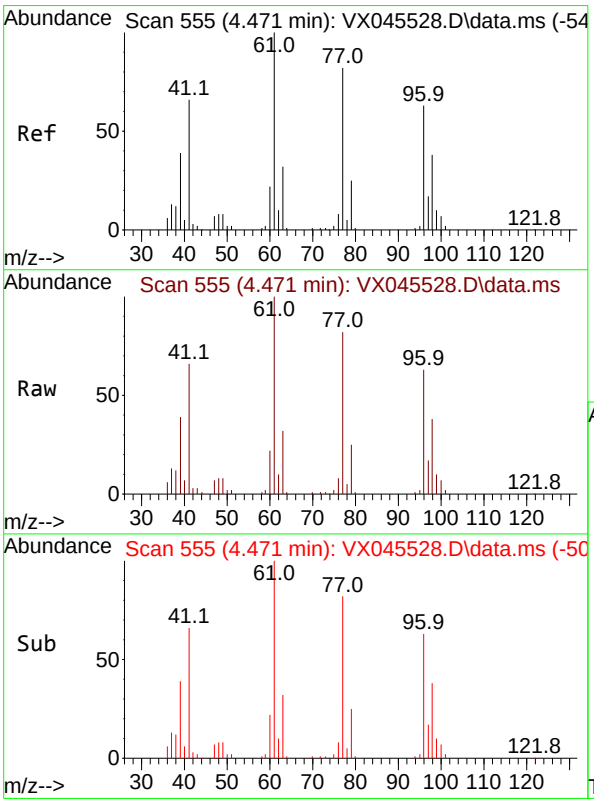
#25
2-Butanone
Concen: 266.363 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 280076

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

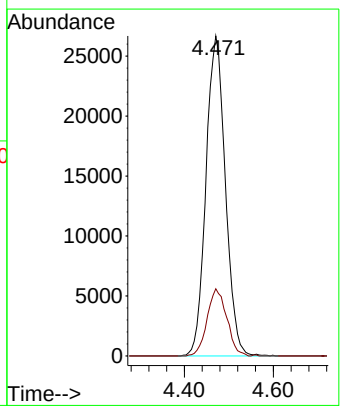


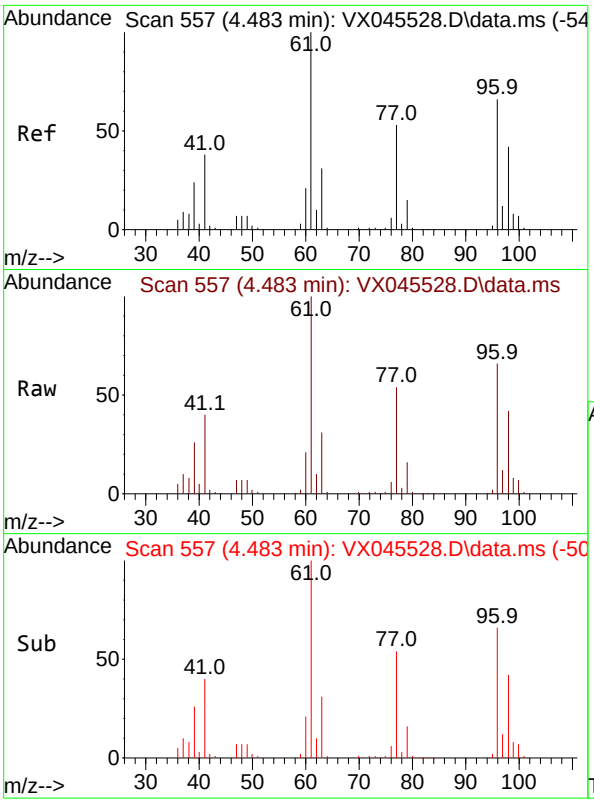


#26
2,2-Dichloropropane
Concen: 51.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 77 Resp: 81054

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



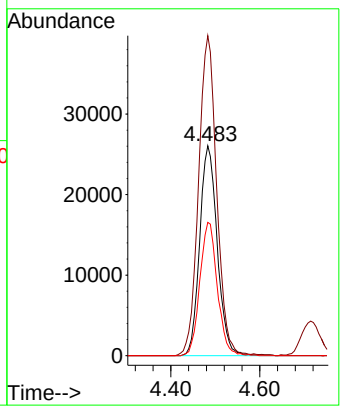


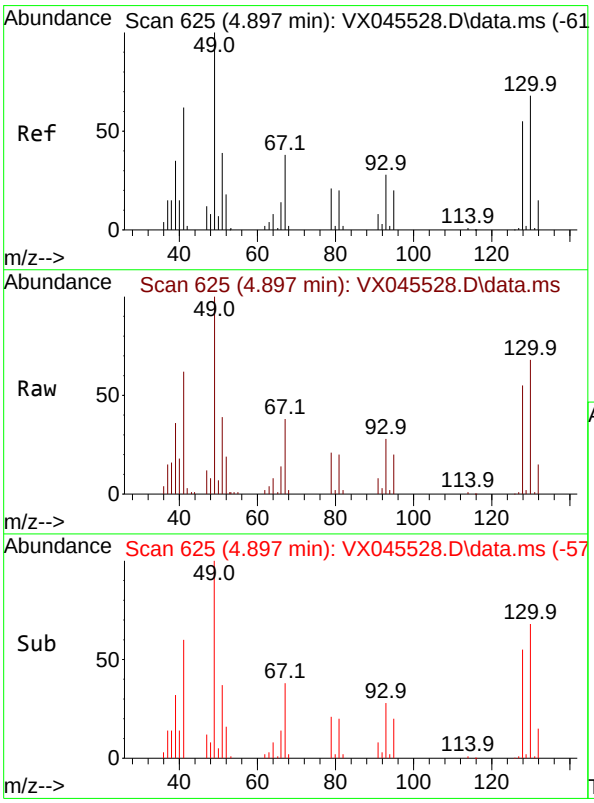
#27
cis-1,2-Dichloroethene
Concen: 50.282 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 71871

Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	313.2
98	63.2	0.0	126.4

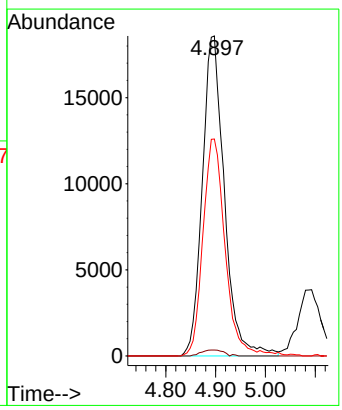


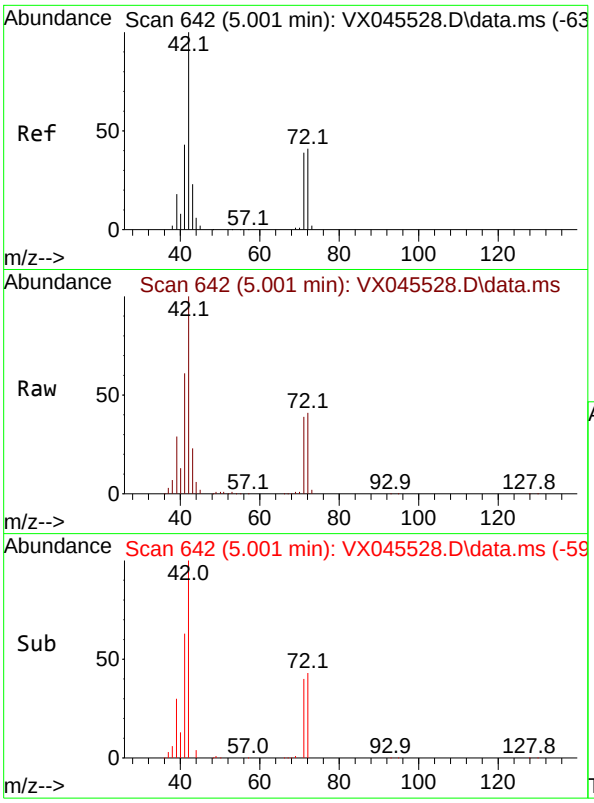


#28
Bromochloromethane
Concen: 48.632 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 49 Resp: 57046

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	68.2	54.6	81.8



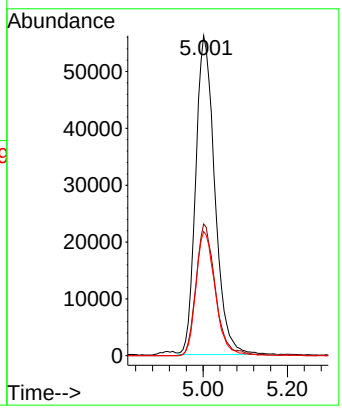


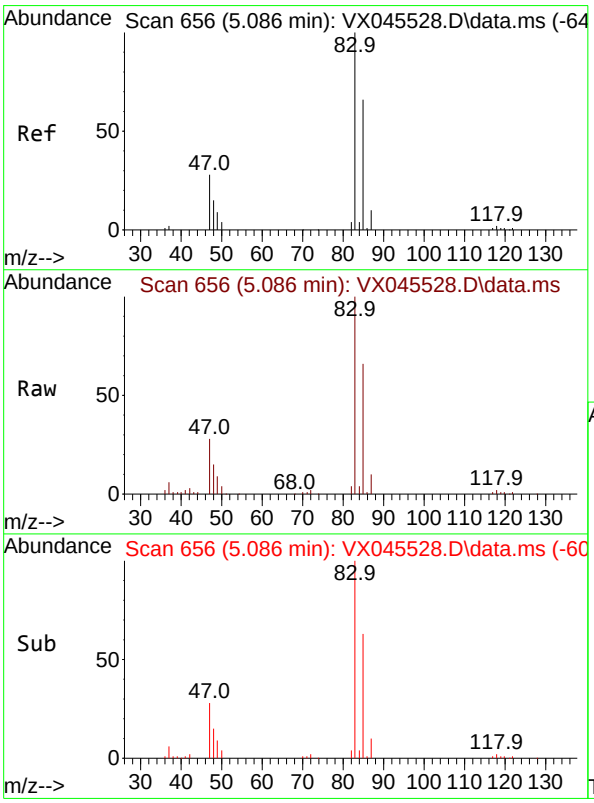
#29
Tetrahydrofuran
Concen: 260.230 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 177402

Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.2	31.4	47.0

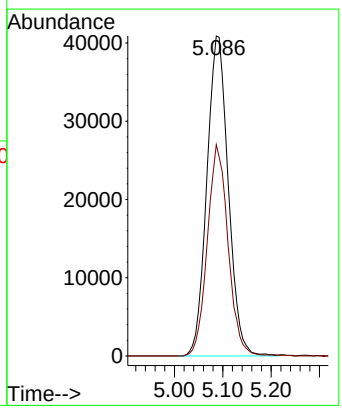


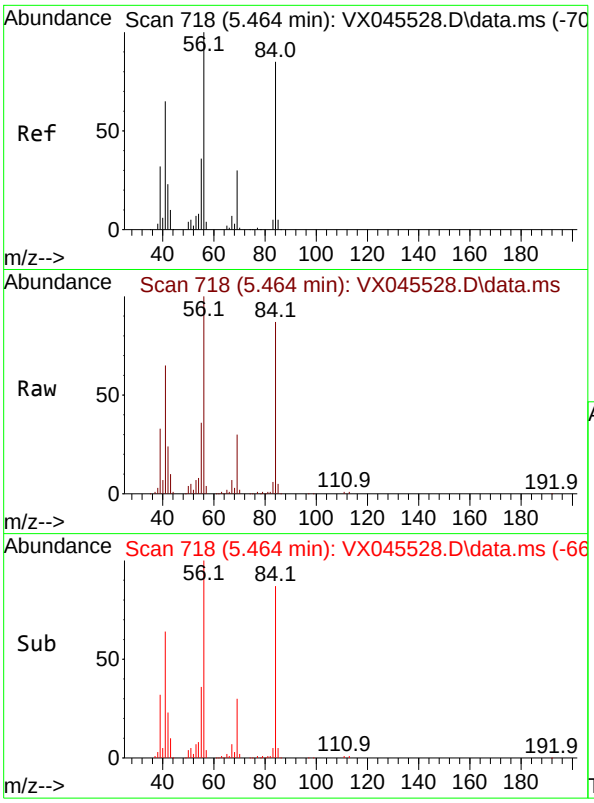


#30
Chloroform
Concen: 50.366 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 125797

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2



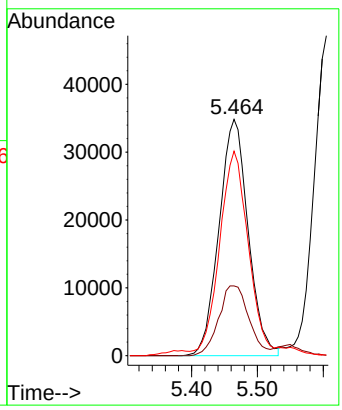


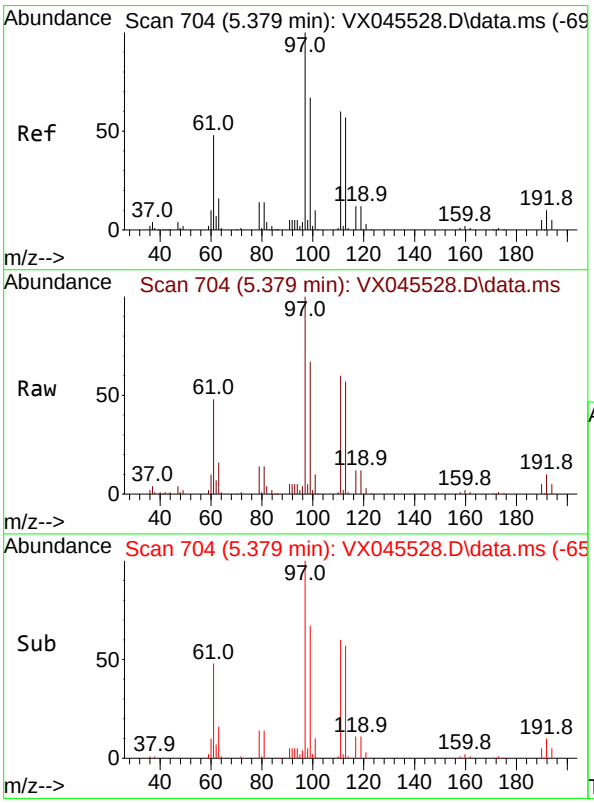
#31
Cyclohexane
Concen: 50.052 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 107407

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	84.6	67.7	101.5

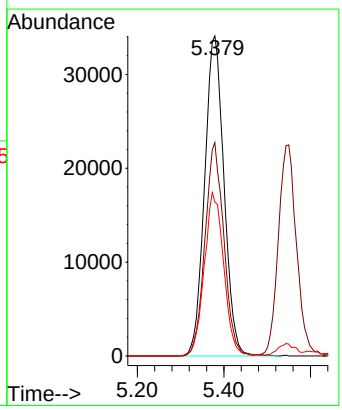


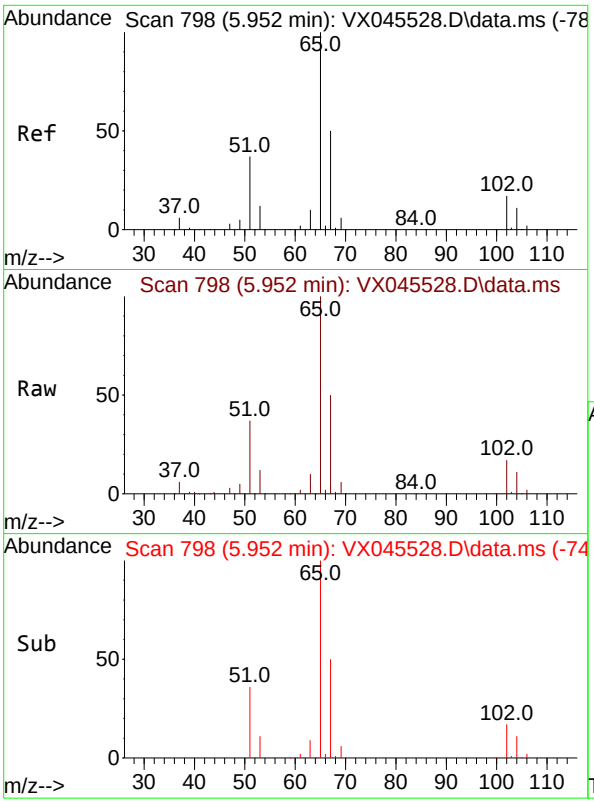


#32
1,1,1-Trichloroethane
Concen: 50.184 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 106062

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	51.2	41.0	61.4



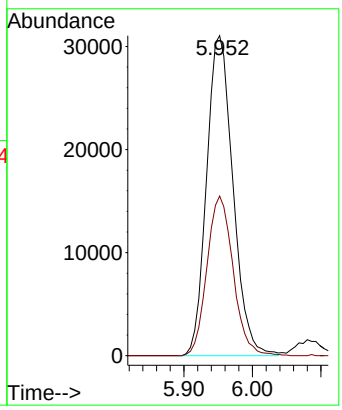


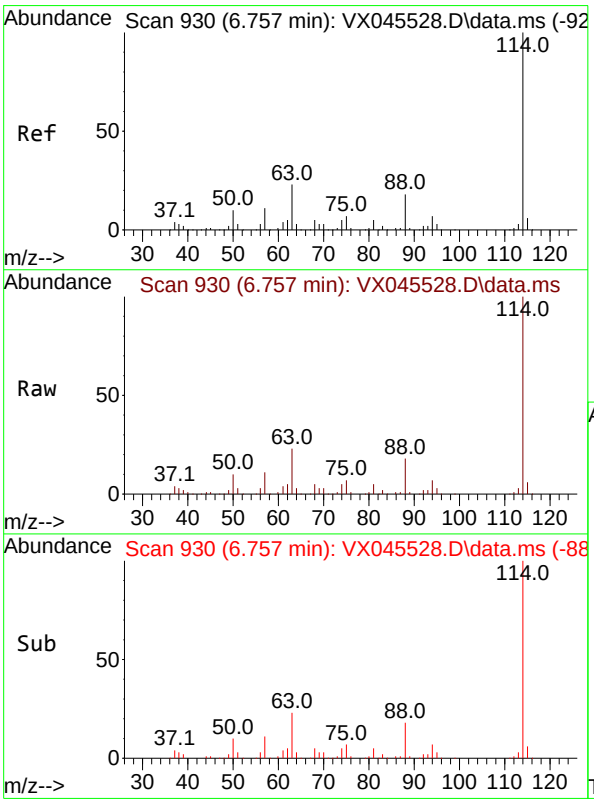
#33
1,2-Dichloroethane-d4
Concen: 47.477 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 83054

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

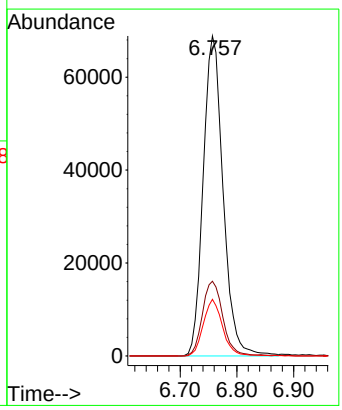


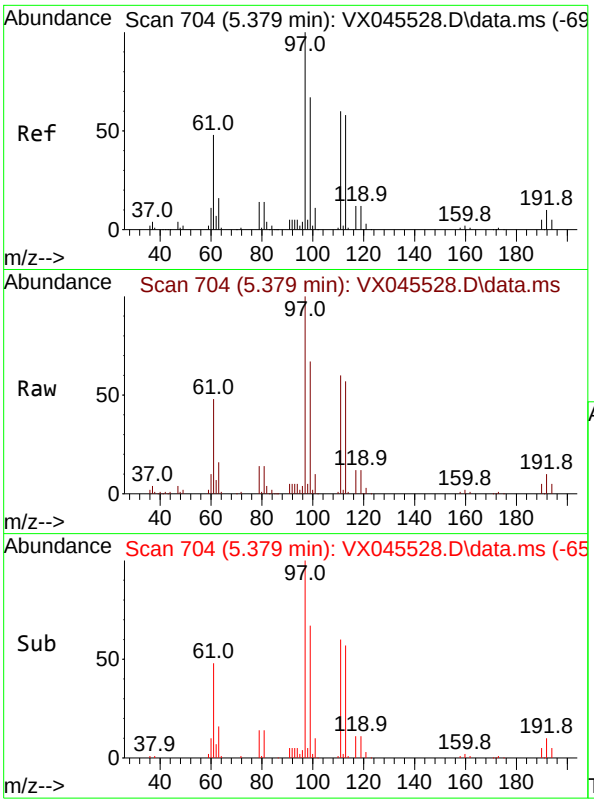


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:114 Resp: 168287

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.8
88	17.7	0.0	35.4



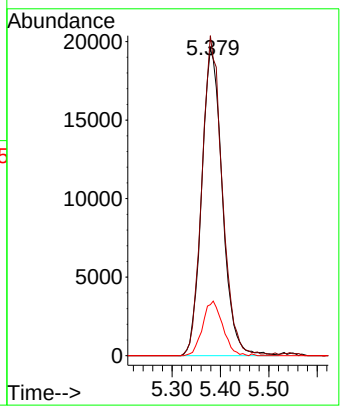


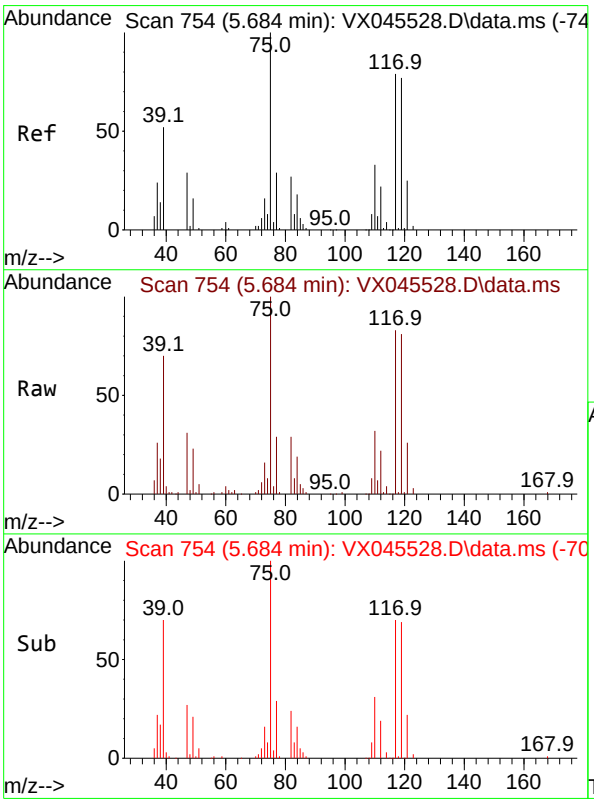
#35
Dibromofluoromethane
Concen: 48.667 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 58108

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.2	13.8	20.6

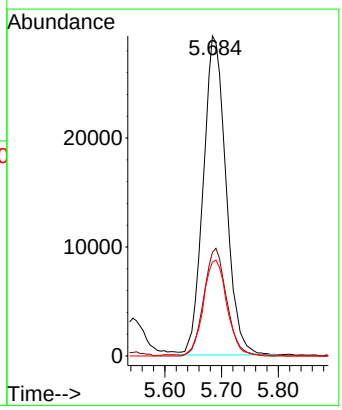


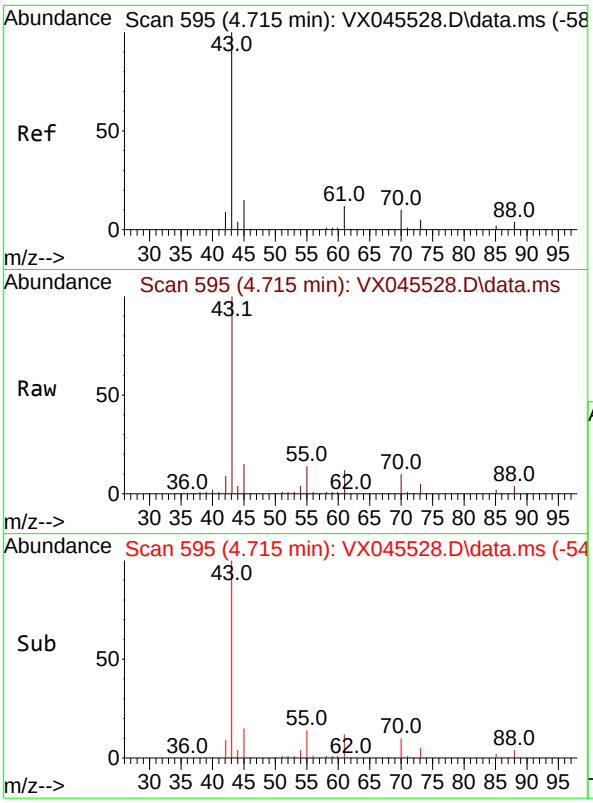


#36
1,1-Dichloropropene
Concen: 50.620 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 81607

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.2	25.0	37.4



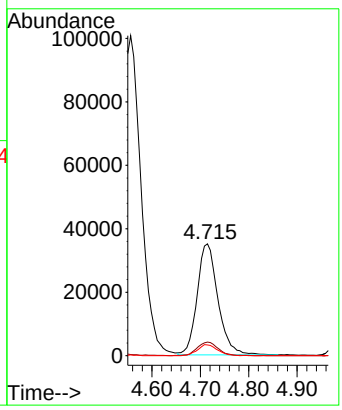


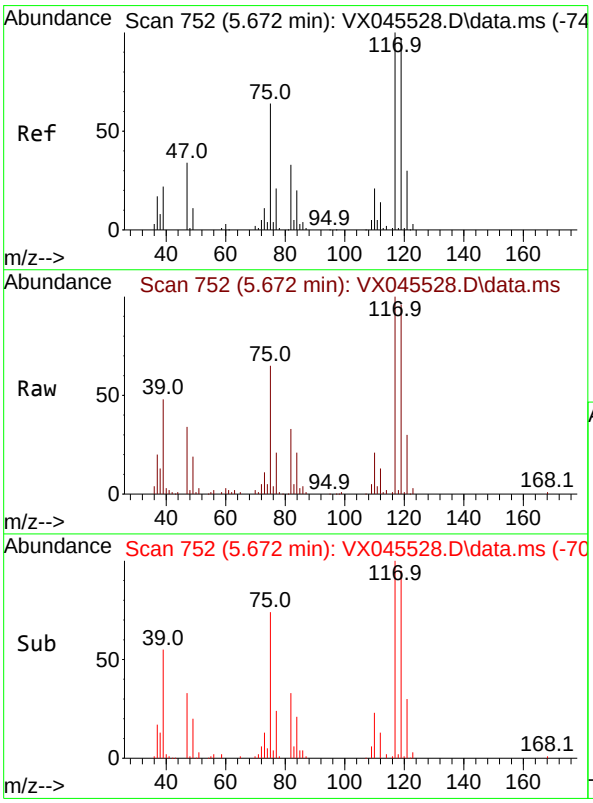
#37
Ethyl Acetate
Concen: 51.632 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 104896

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.4	7.5	11.3

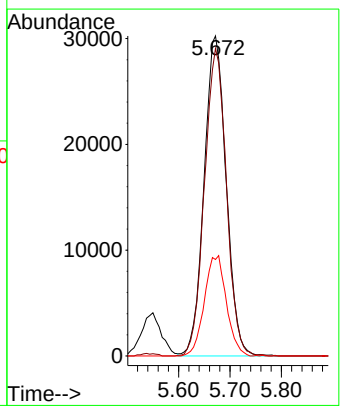


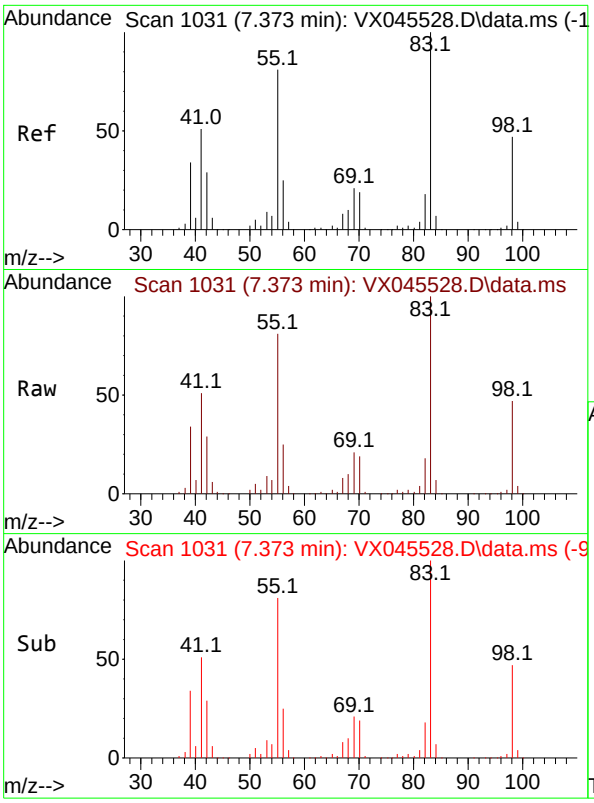


#38
Carbon Tetrachloride
Concen: 51.797 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 90247

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.2	24.2	36.2



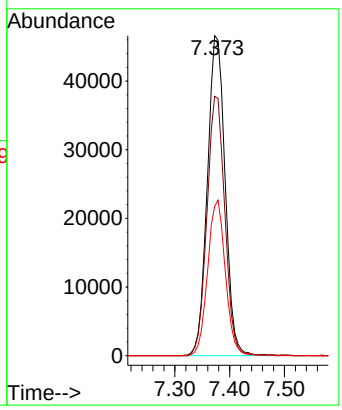


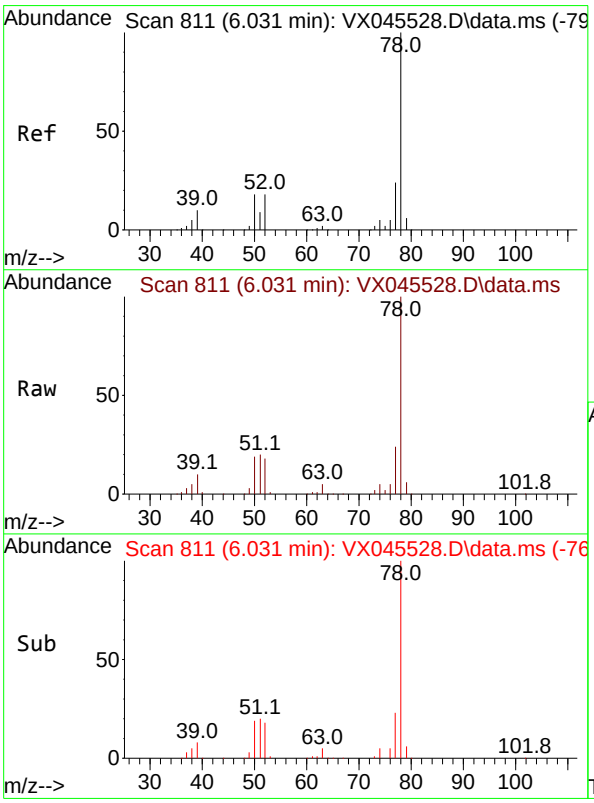
#39
Methylcyclohexane
Concen: 52.970 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 104678

Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.9	97.3
98	46.7	37.4	56.0

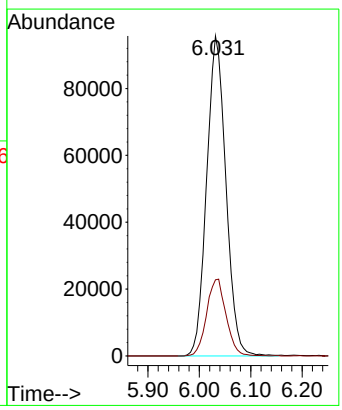


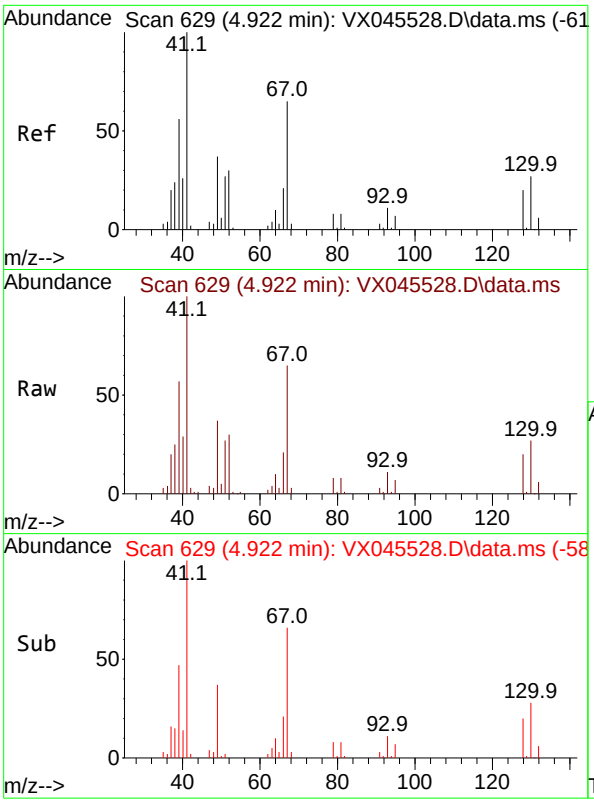


#40
Benzene
Concen: 50.605 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 78 Resp: 249161

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



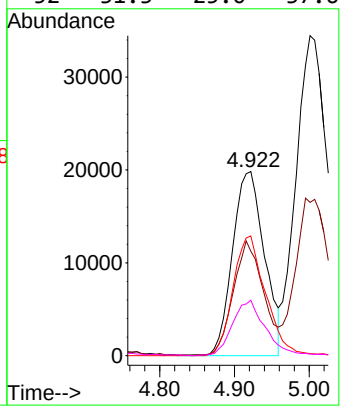


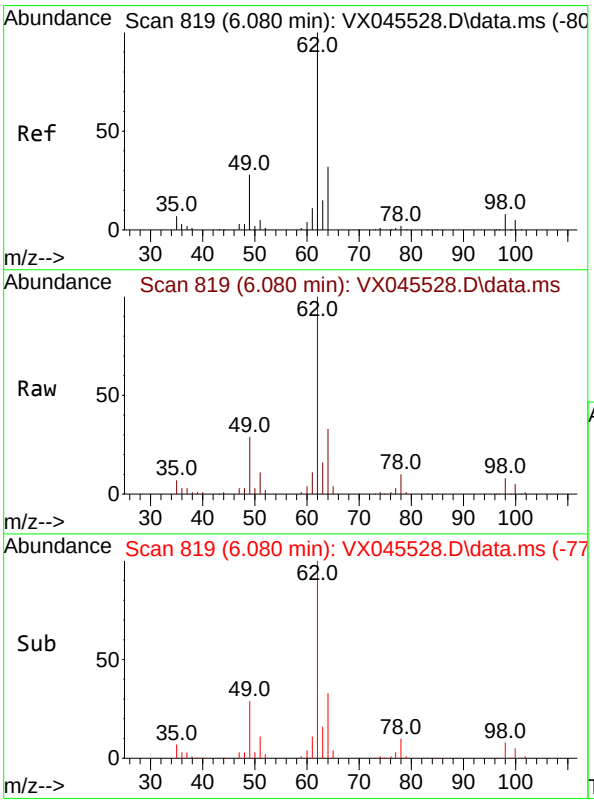
#41
Methacrylonitrile
Concen: 54.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 59068

Ion	Ratio	Lower	Upper
41	100		
39	58.8	47.0	70.6
67	66.5	53.2	79.8
52	31.3	25.0	37.6

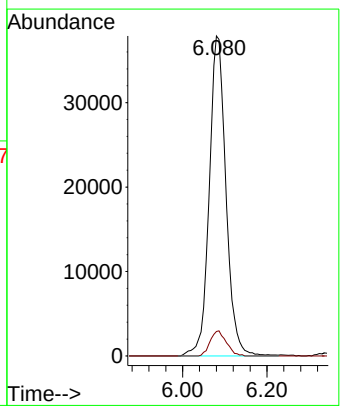


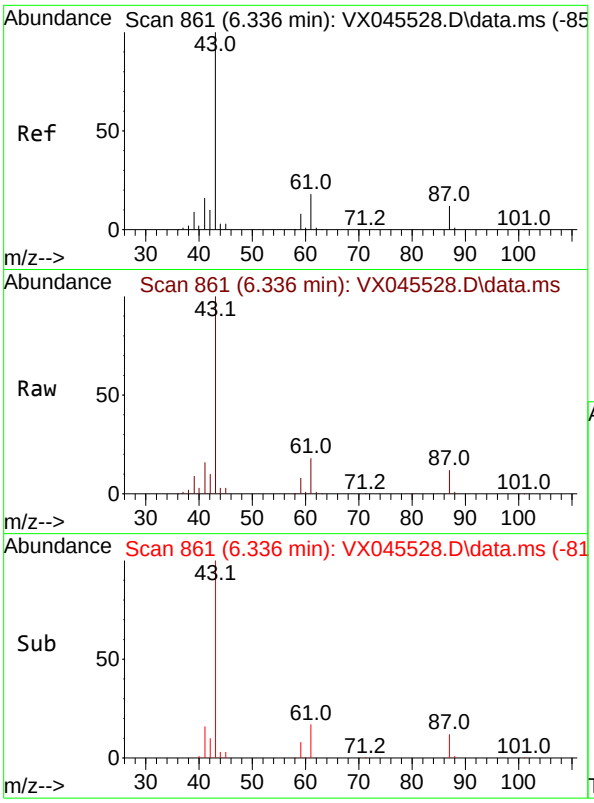


#42
1,2-Dichloroethane
Concen: 51.437 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 104601

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



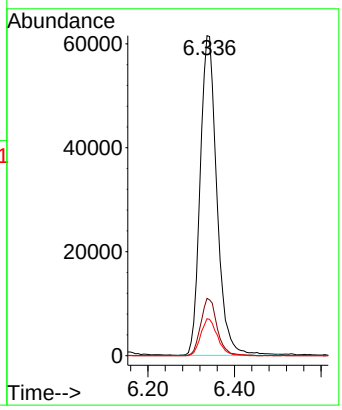


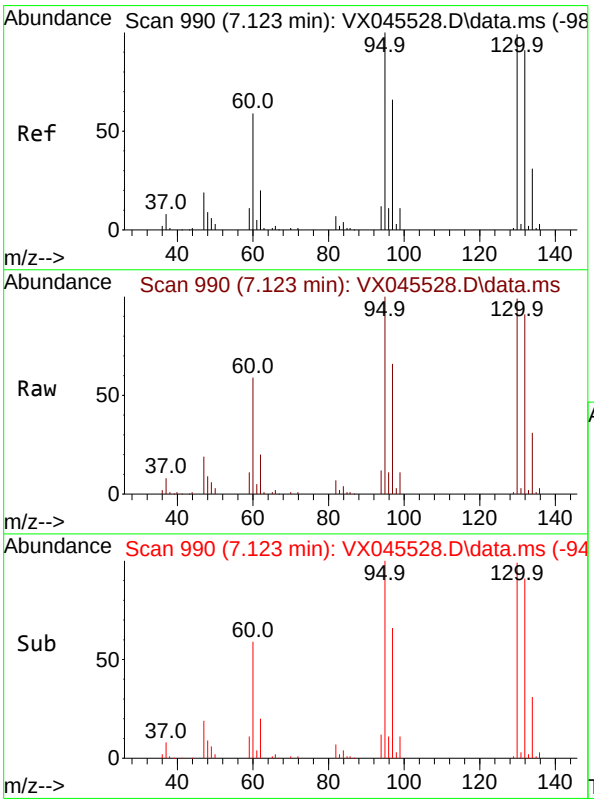
#43
Isopropyl Acetate
Concen: 53.452 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 164588

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.5	9.2	13.8

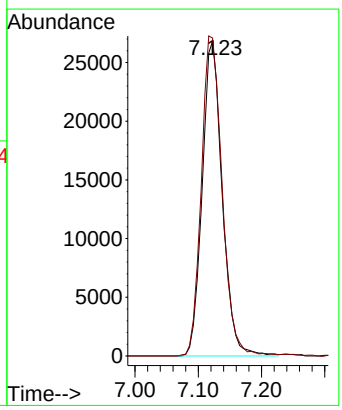


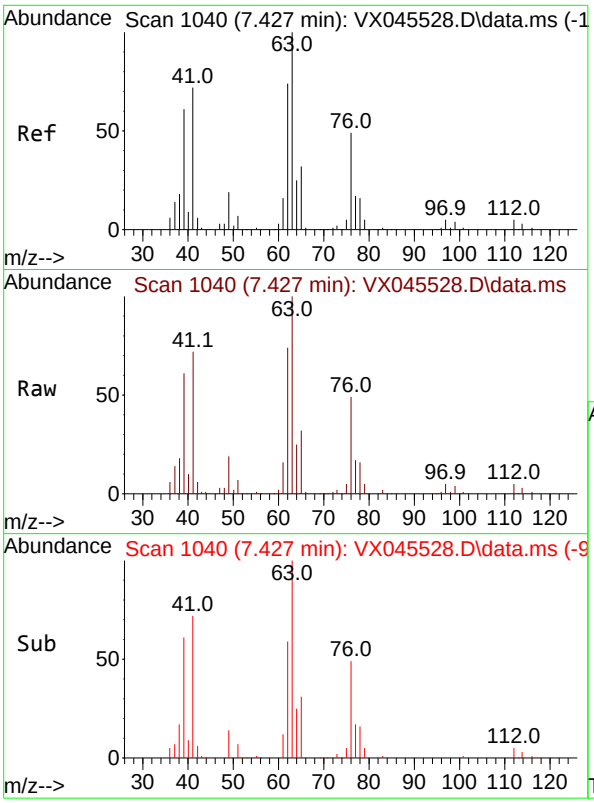


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:130 Resp: 59042

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0



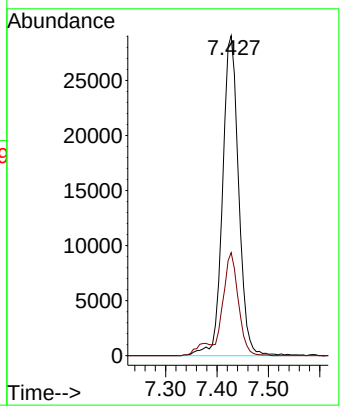


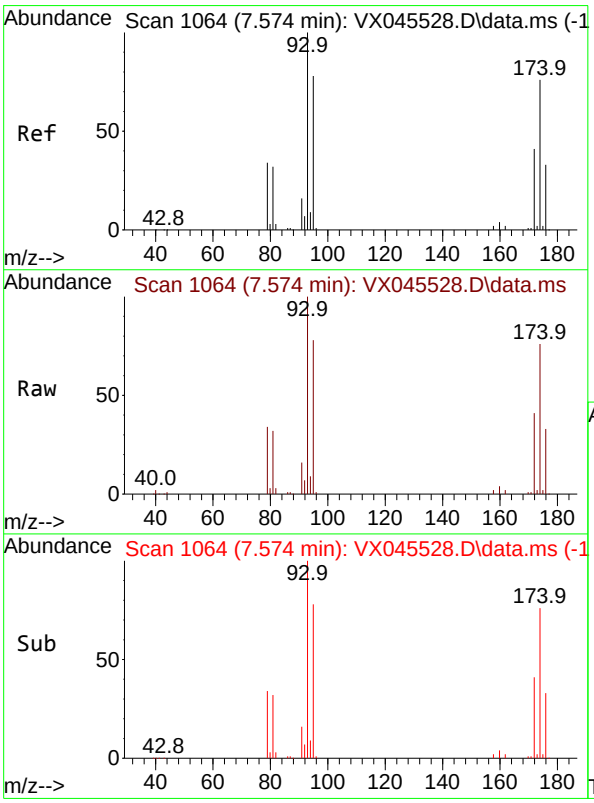
#45
1,2-Dichloropropane
Concen: 51.540 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 63316

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6

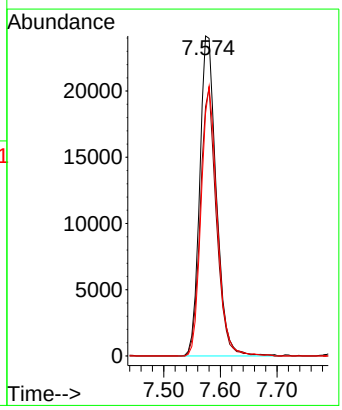


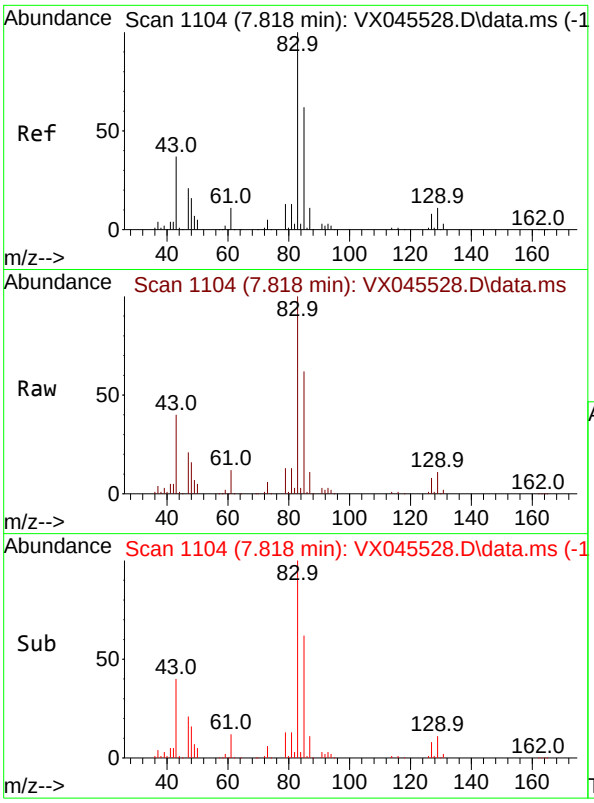


#46
Dibromomethane
Concen: 52.092 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 93 Resp: 49125

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	81.7	65.4	98.0



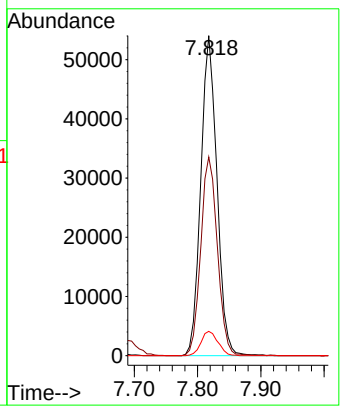


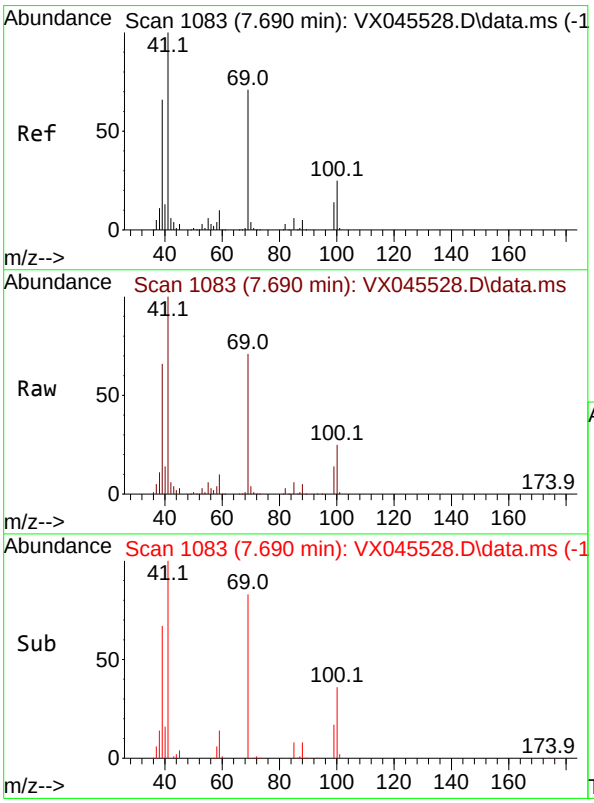
#47
Bromodichloromethane
Concen: 51.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 96176

Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	7.6	6.1	9.1

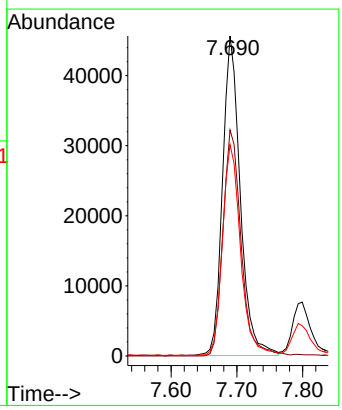


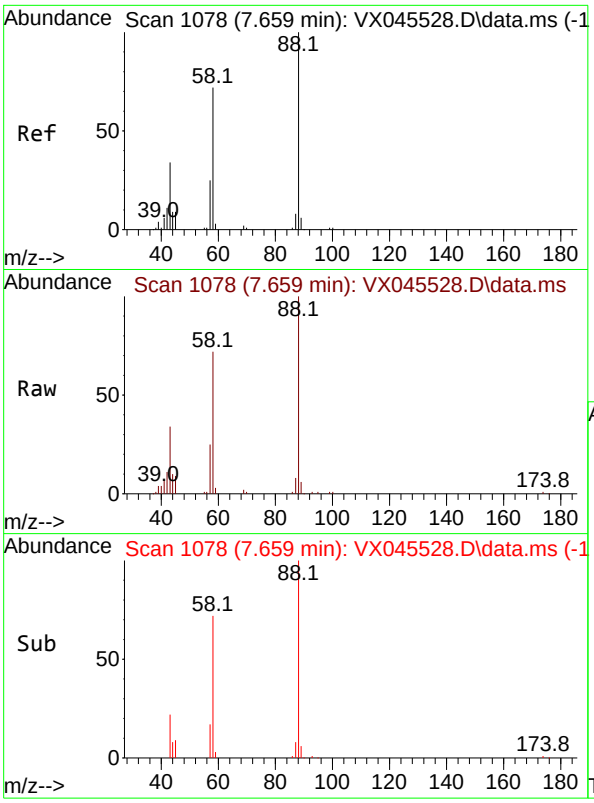


#48
Methyl methacrylate
Concen: 53.768 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 85483

Ion	Ratio	Lower	Upper
41	100		
69	72.7	58.2	87.2
39	67.0	53.6	80.4



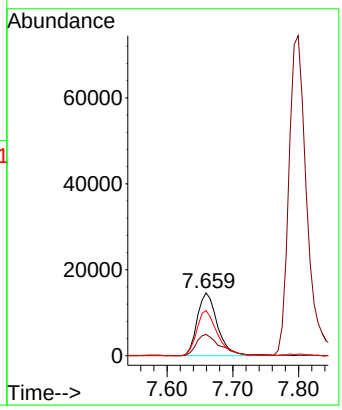


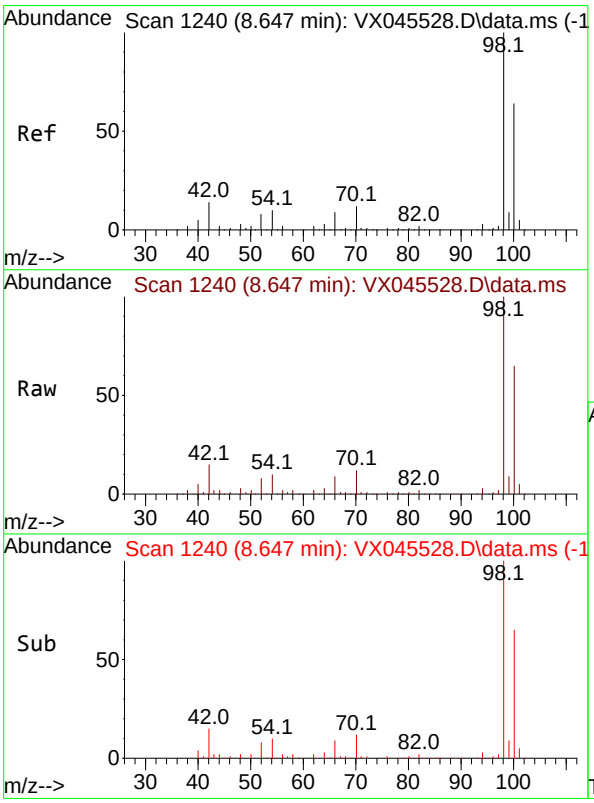
#49
1,4-Dioxane
Concen: 1084.635 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 31199

Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	73.3	58.6	88.0

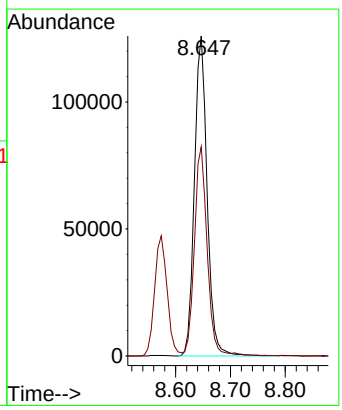


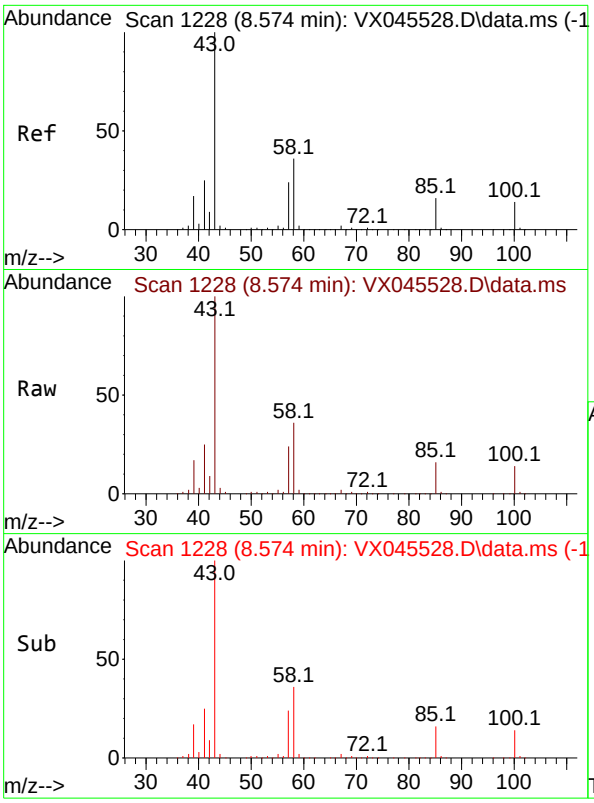


#50
Toluene-d8
Concen: 49.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 98 Resp: 204338

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4



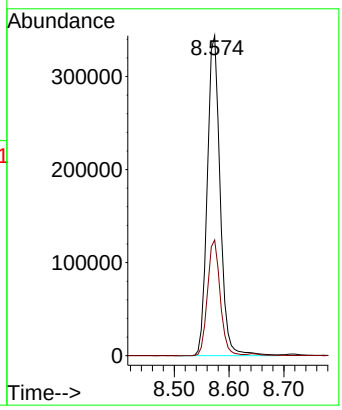


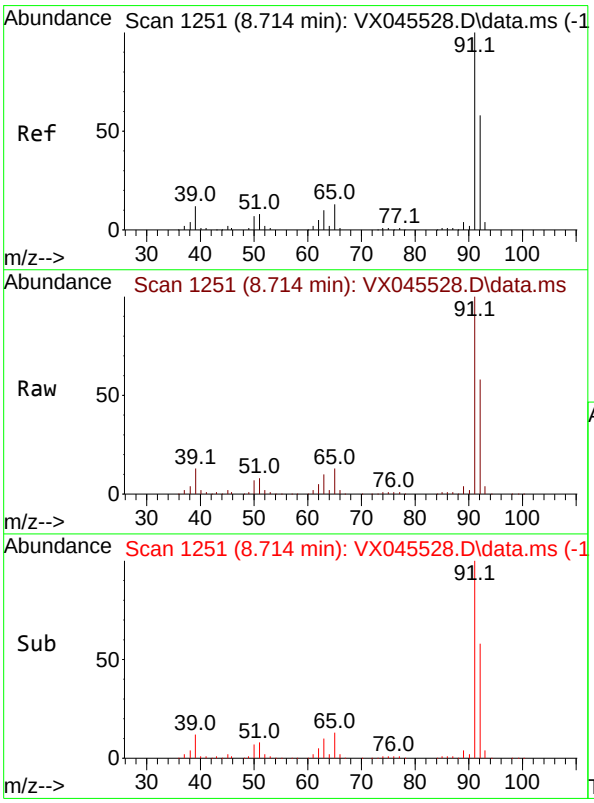
#51
4-Methyl-2-Pentanone
Concen: 273.375 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 558029

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.5	42.7

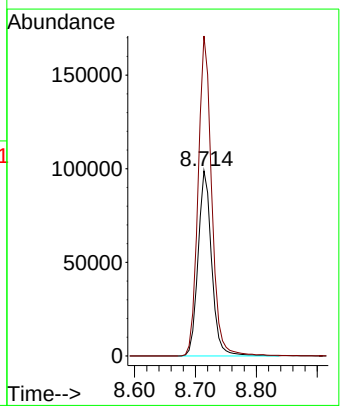


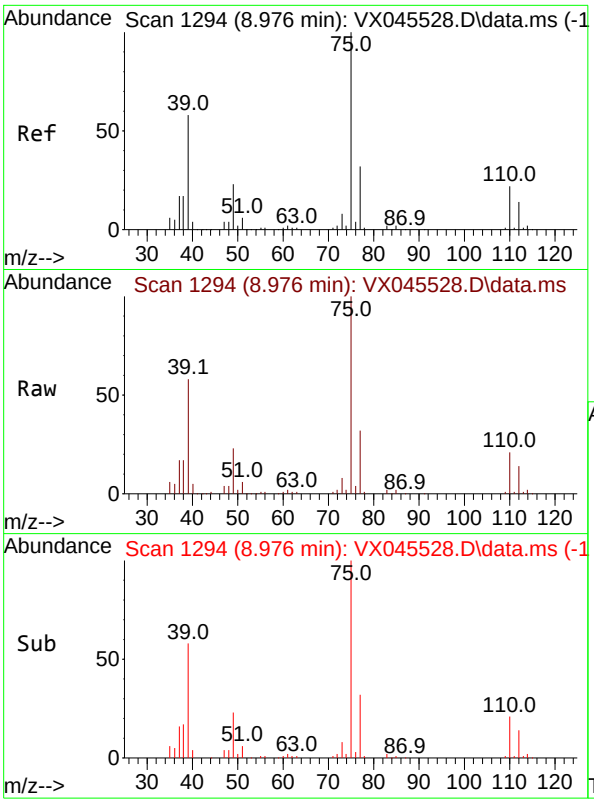


#52
Toluene
Concen: 51.402 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 92 Resp: 153143

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.7	208.1



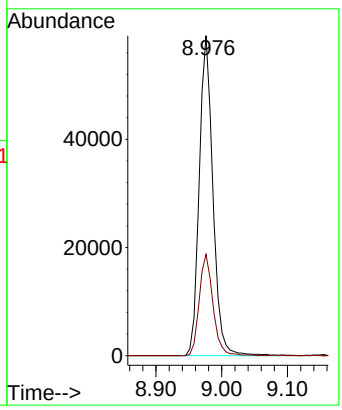


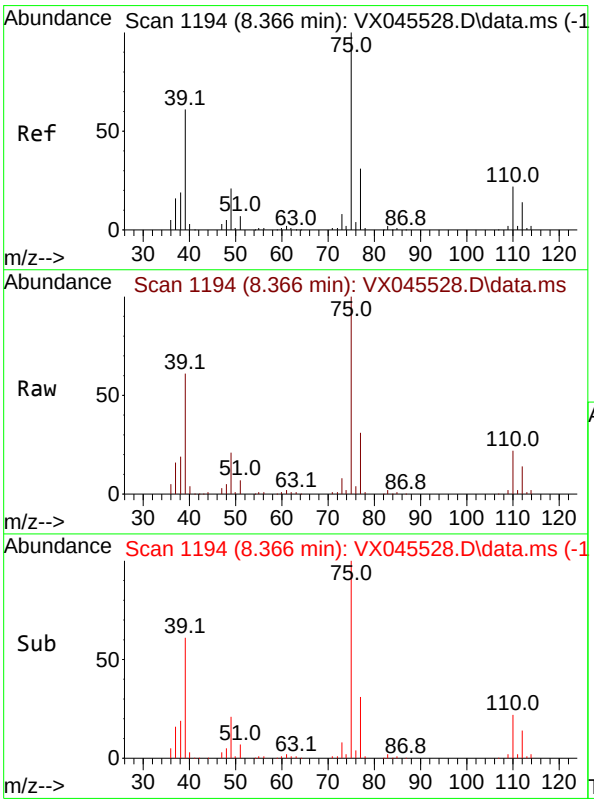
#53
t-1,3-Dichloropropene
Concen: 47.317 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 85462

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

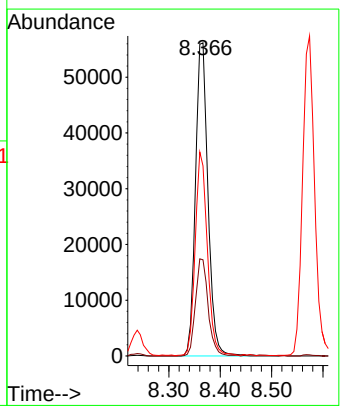


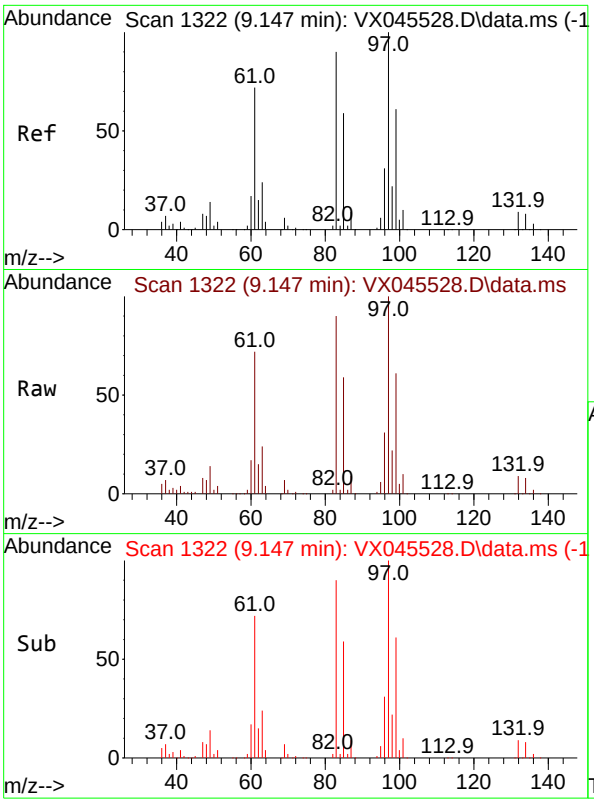


#54
cis-1,3-Dichloropropene
Concen: 53.975 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 95524

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	60.5	48.4	72.6



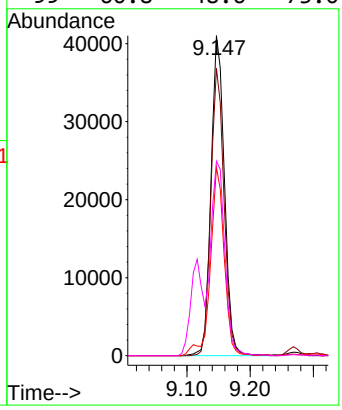


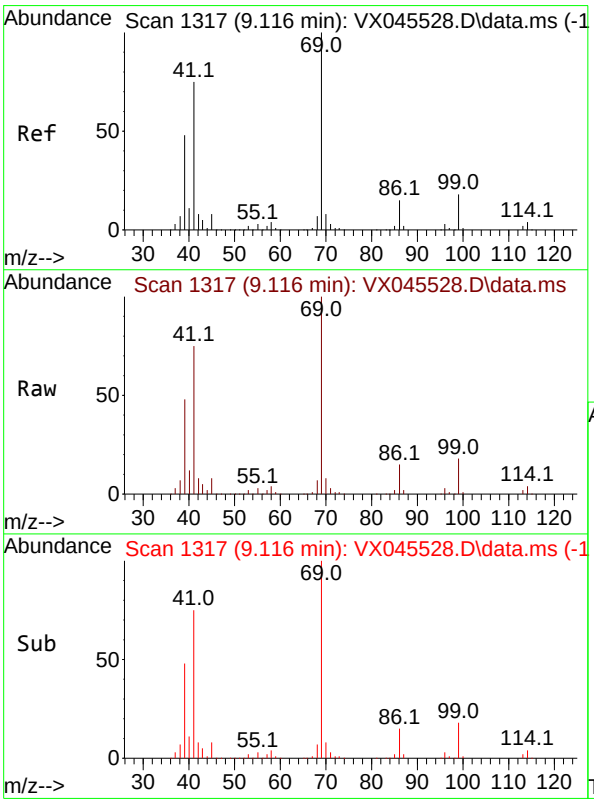
#55
1,1,2-Trichloroethane
Concen: 50.919 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 60452

Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.8	107.8
85	58.8	47.0	70.6
99	60.8	48.6	73.0

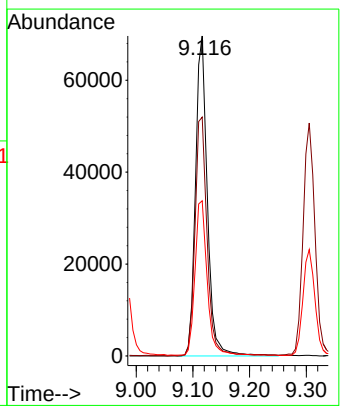


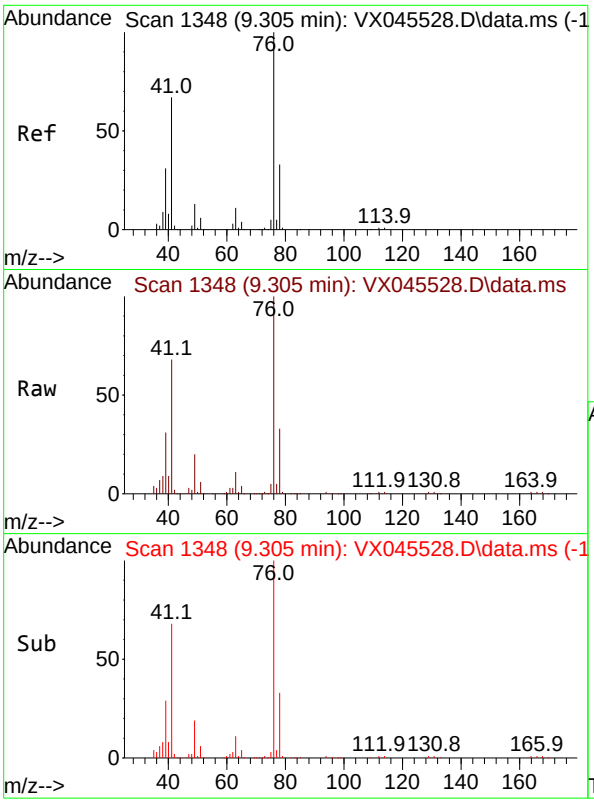


#56
Ethyl methacrylate
Concen: 54.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 69 Resp: 100998

Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.3	91.9
39	50.2	40.2	60.2



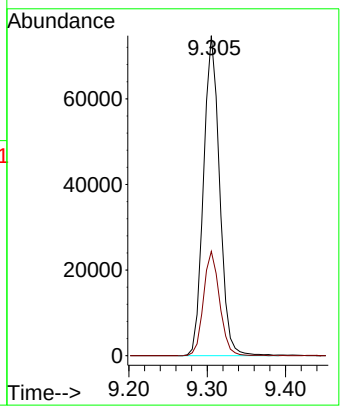


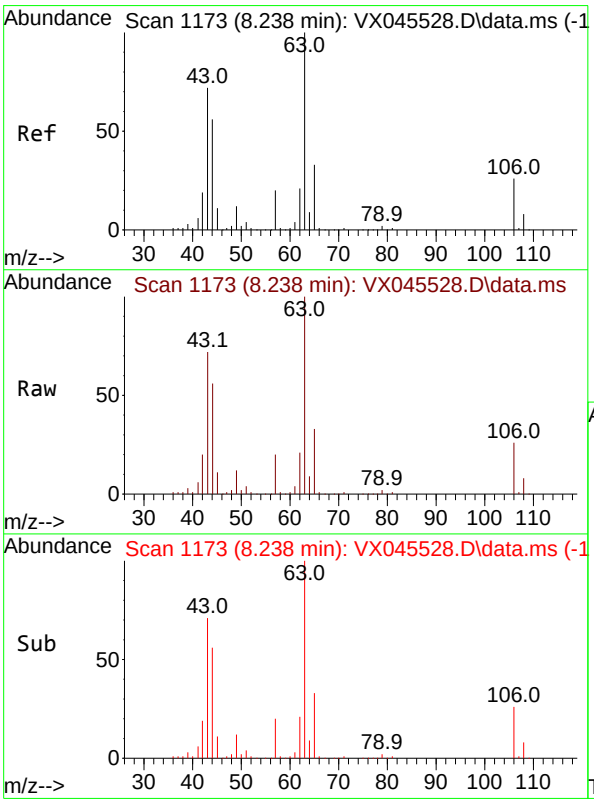
#57
1,3-Dichloropropane
Concen: 51.554 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 106580

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

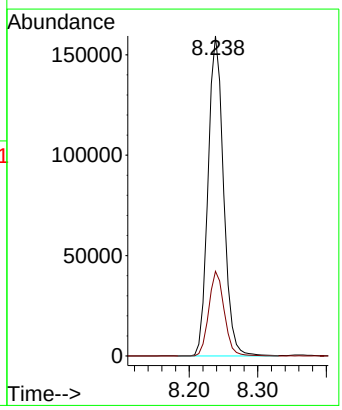


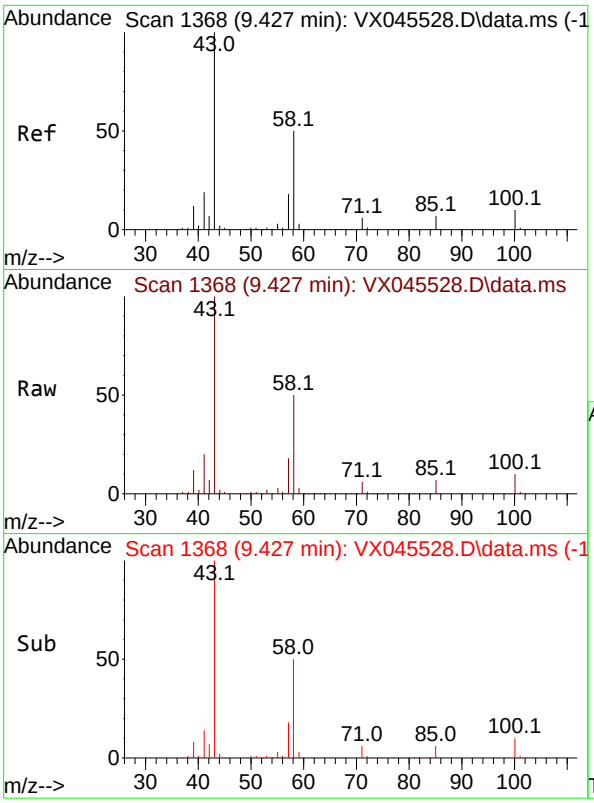


#58
2-Chloroethyl Vinyl ether
Concen: 269.434 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 250428

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6



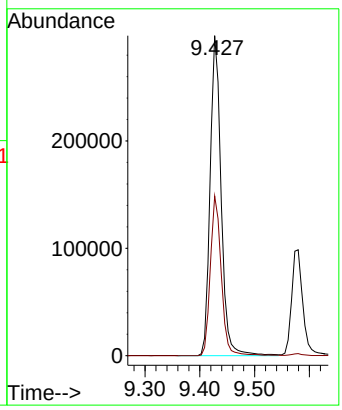


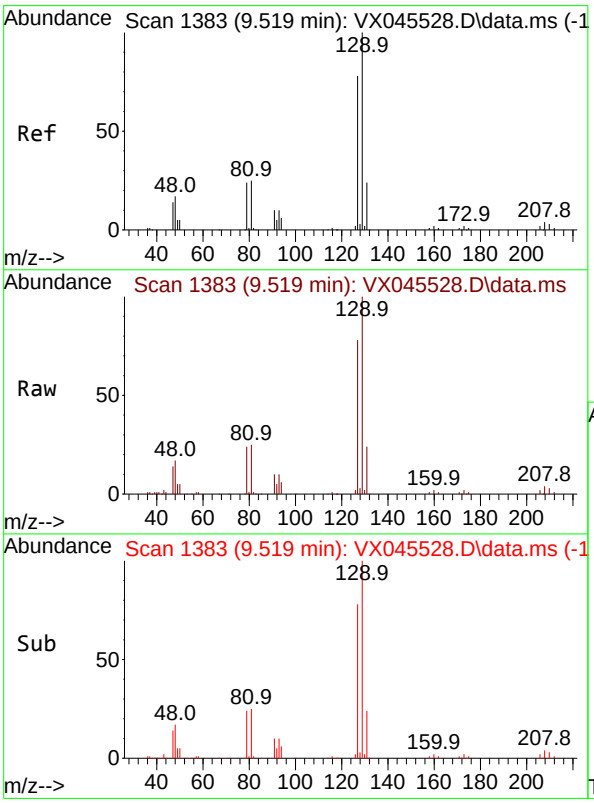
#59
2-Hexanone
Concen: 273.765 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 413824

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

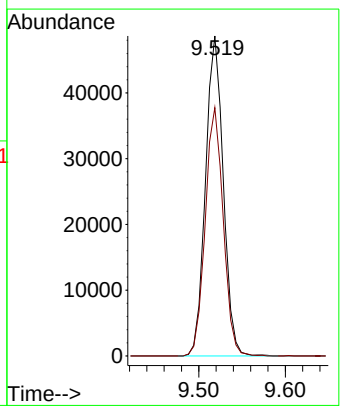


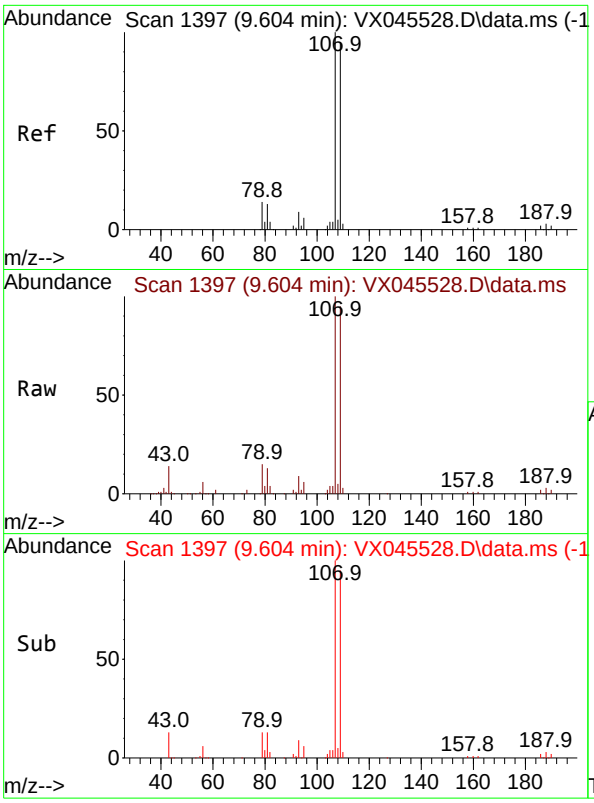


#60
Dibromochloromethane
Concen: 53.511 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:129 Resp: 69258

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2



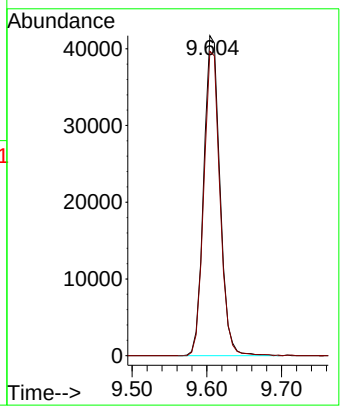


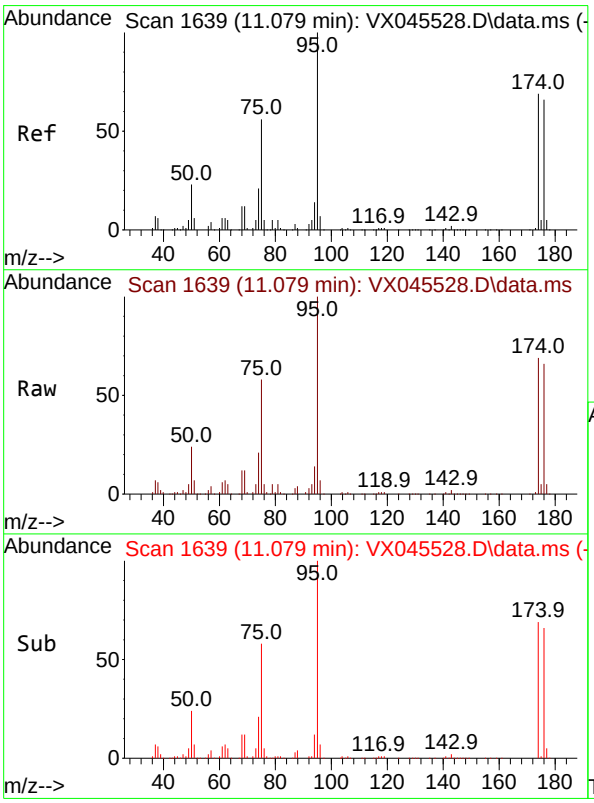
#61
1,2-Dibromoethane
Concen: 52.264 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 62812

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5

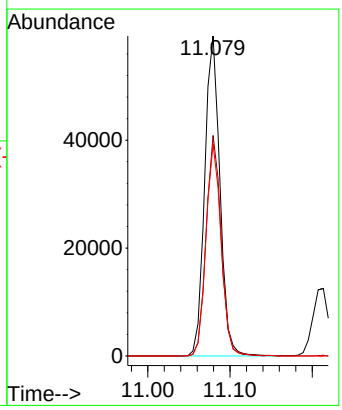


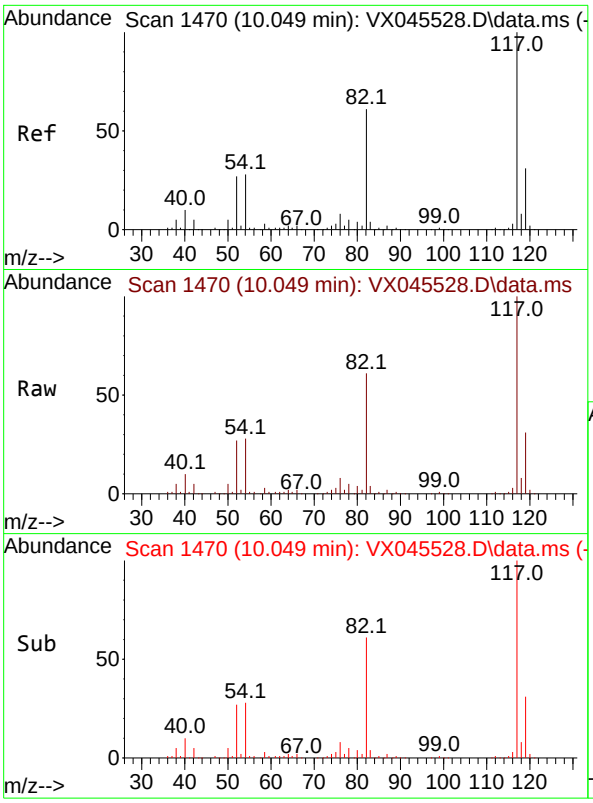


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 95 Resp: 76190

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4



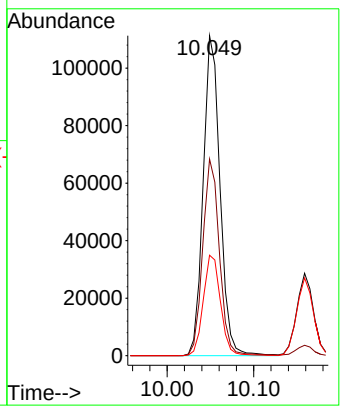


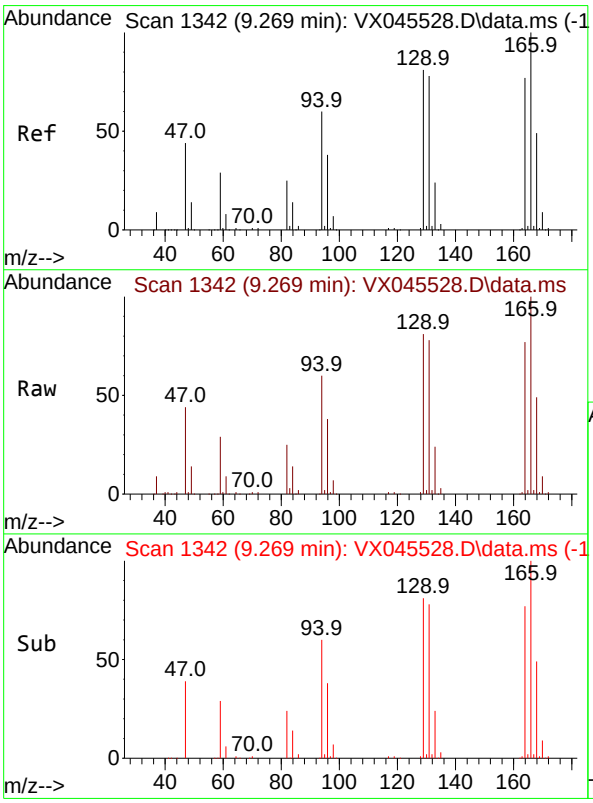
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 150201

Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.4	25.1	37.7

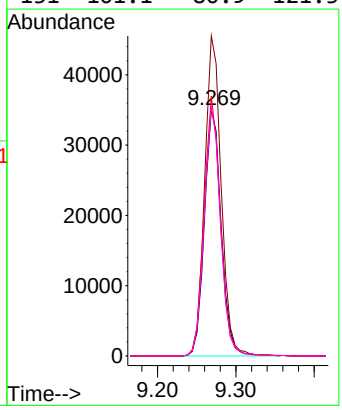


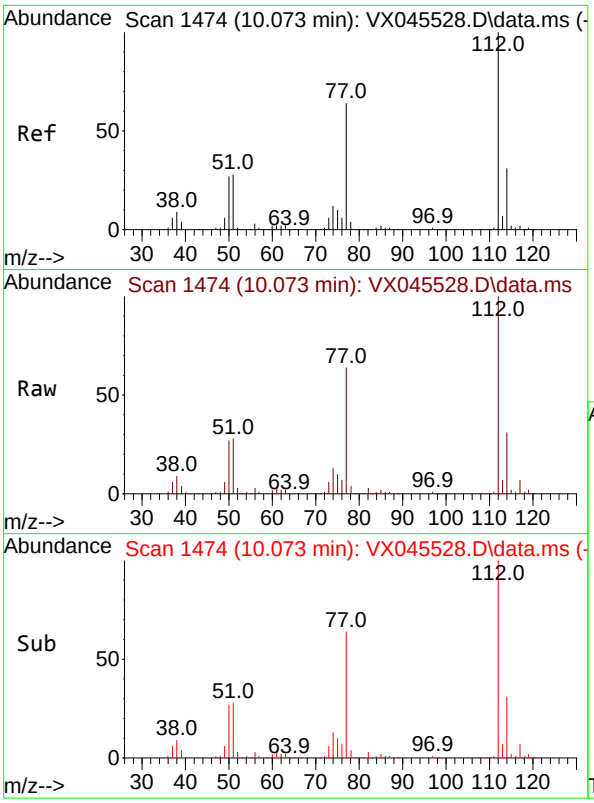


#64
Tetrachloroethene
Concen: 49.181 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:164 Resp: 52155

Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	105.4	84.3	126.5
131	101.1	80.9	121.3



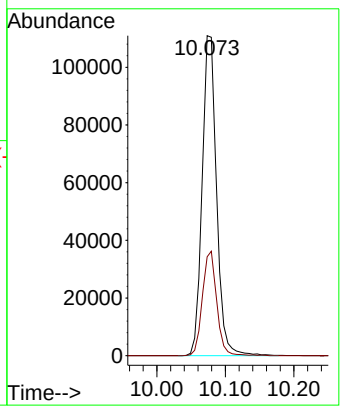


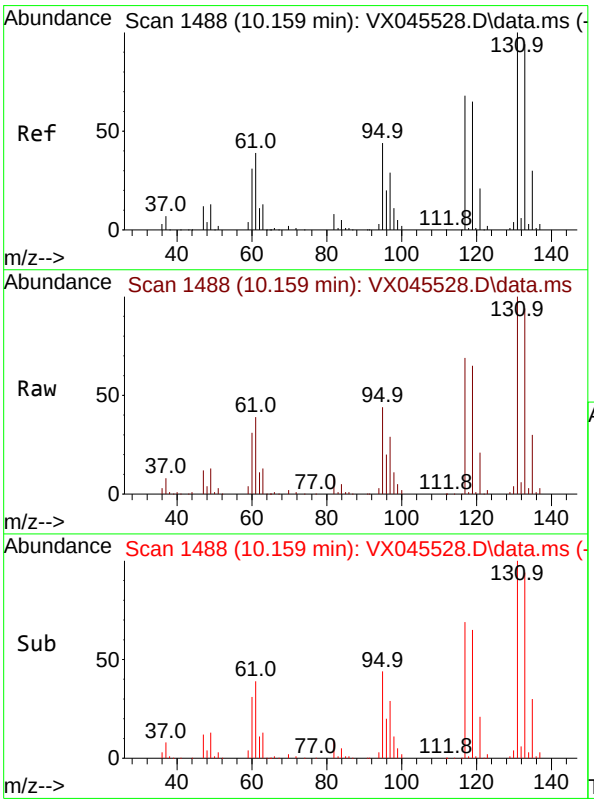
#65
Chlorobenzene
Concen: 50.733 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 162829

Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.7	37.1

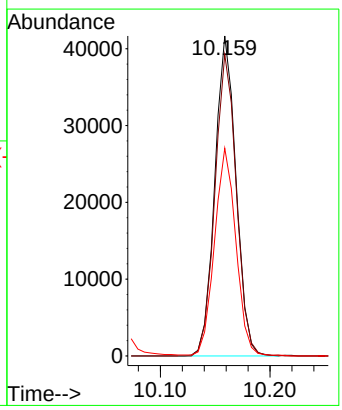


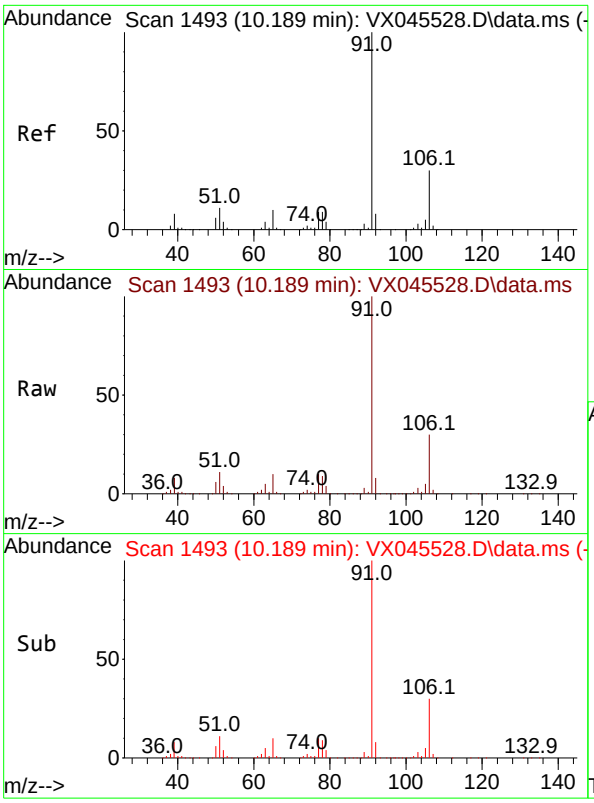


#66
1,1,1,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:131 Resp: 55974

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.5	142.5
119	65.7	32.9	98.6



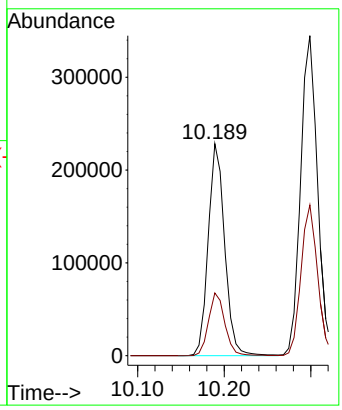


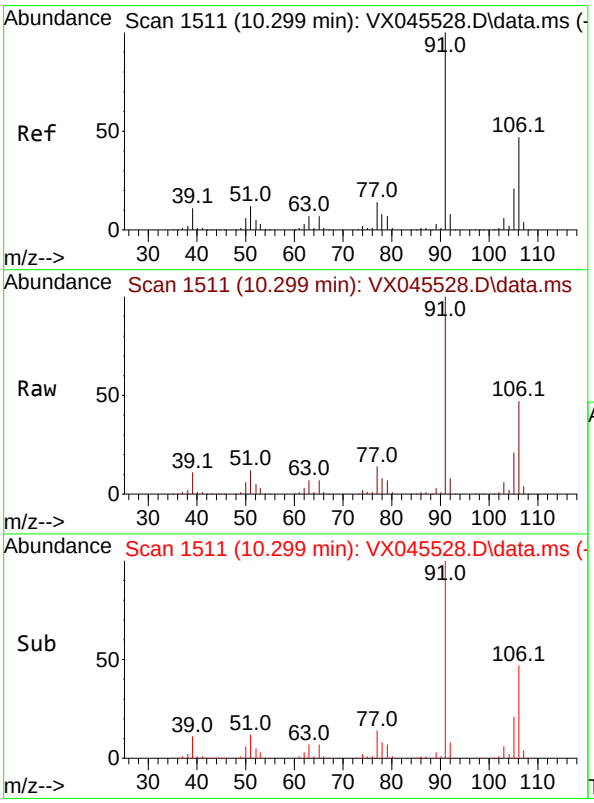
#67
Ethyl Benzene
Concen: 52.447 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 301481

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5

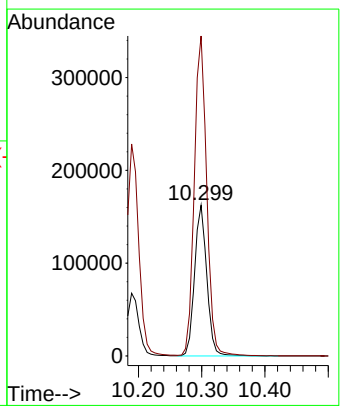


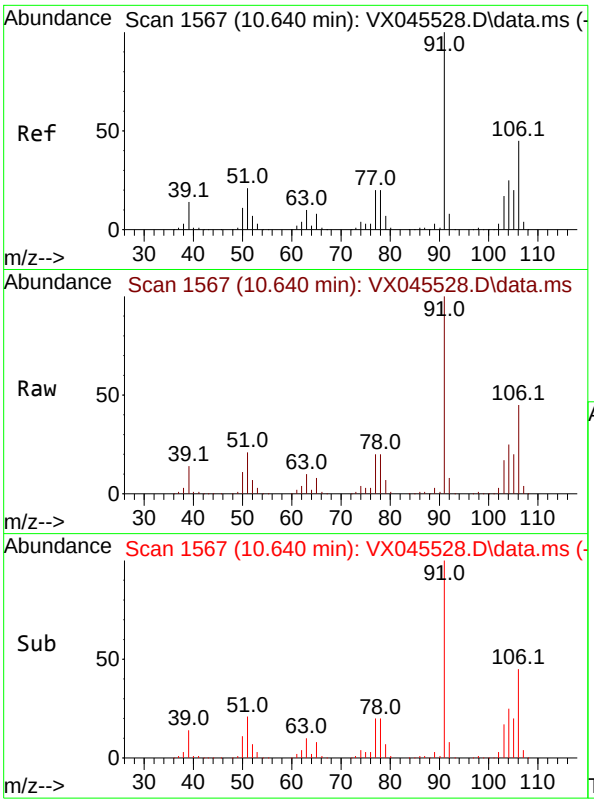


#68
m/p-Xylenes
Concen: 104.606 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 218702

Ion	Ratio	Lower	Upper
106	100		
91	215.7	172.6	258.8



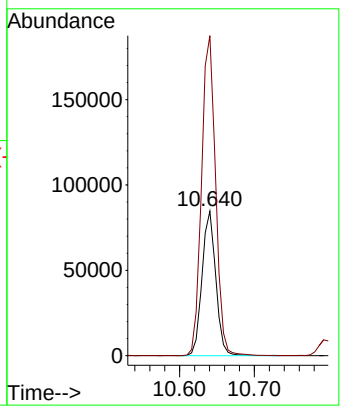


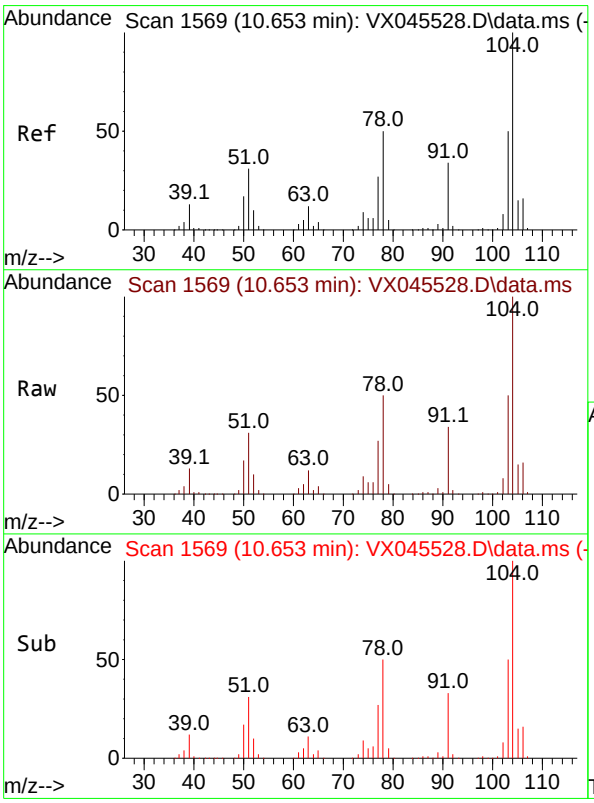
#69
o-Xylene
Concen: 52.452 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 108028

Ion	Ratio	Lower	Upper
106	100		
91	227.1	113.6	340.6

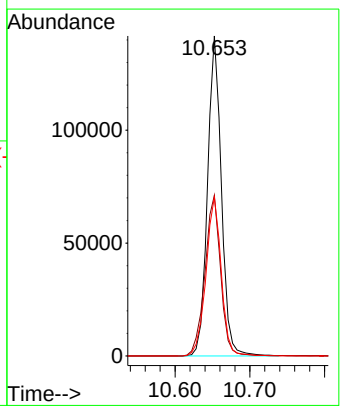


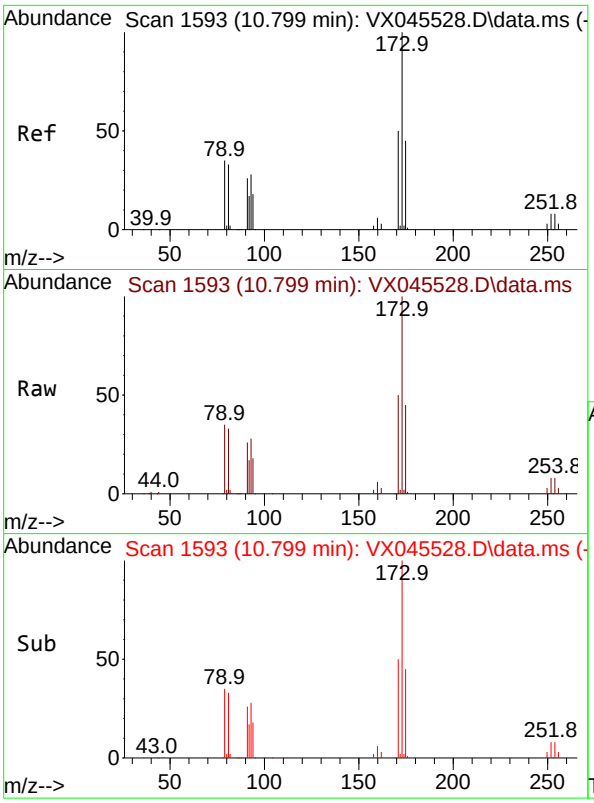


#70
Styrene
Concen: 53.723 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:104 Resp: 182620

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	54.8	43.8	65.8



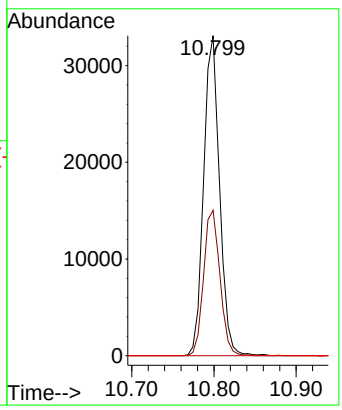


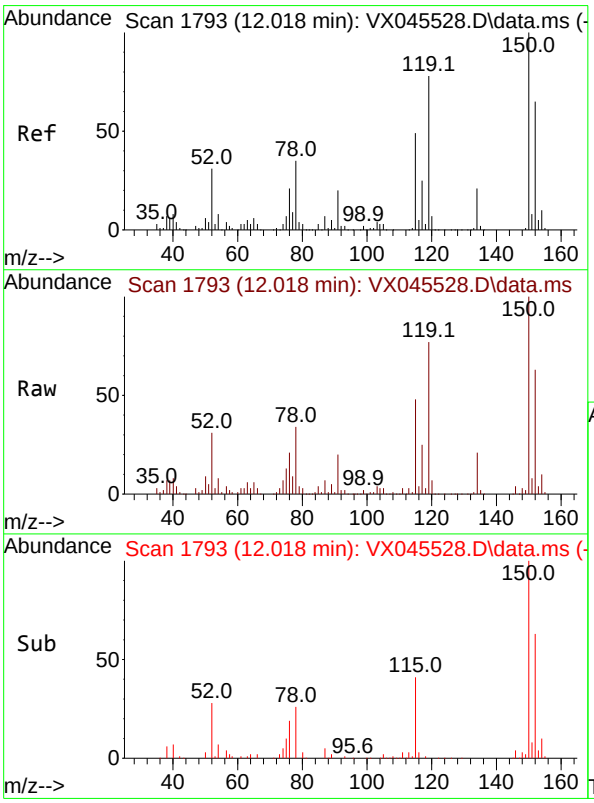
#71
Bromoform
Concen: 53.361 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44397

Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.4	70.2
254	0.0	0.0	0.0

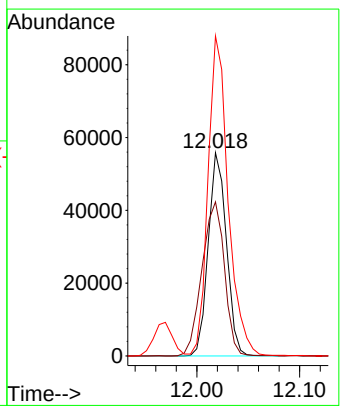


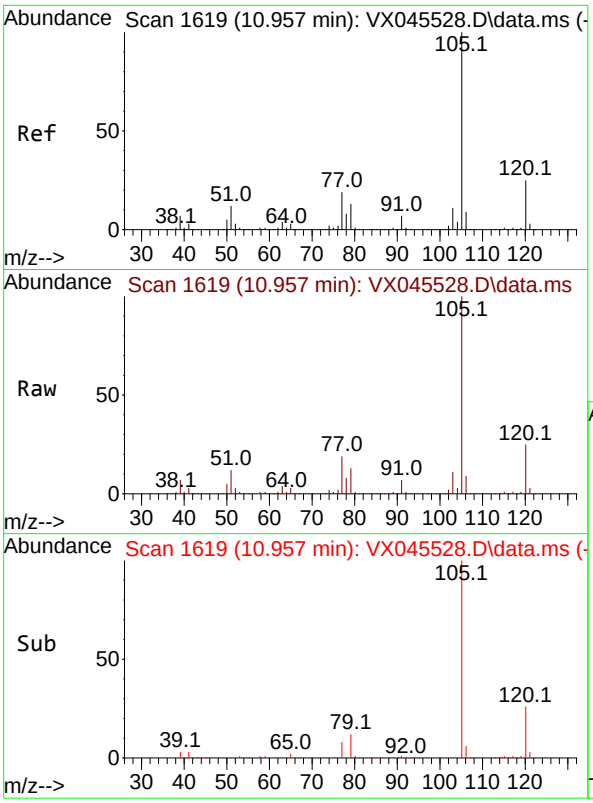


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:152 Resp: 68786

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	174.7	0.0	349.4



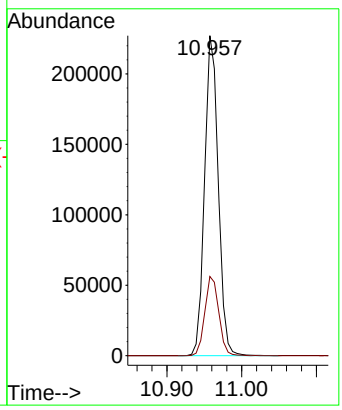


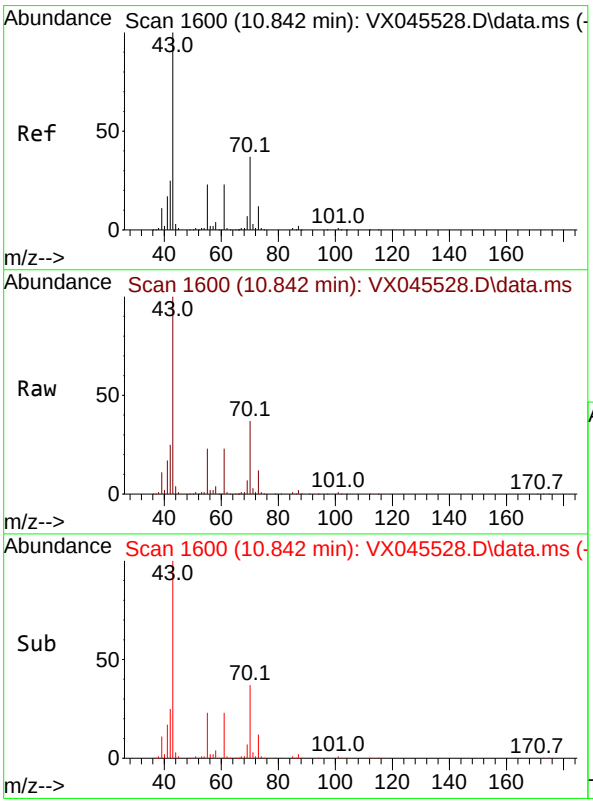
#73
Isopropylbenzene
Concen: 52.203 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 287628

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

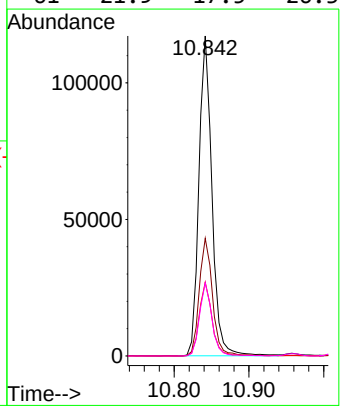


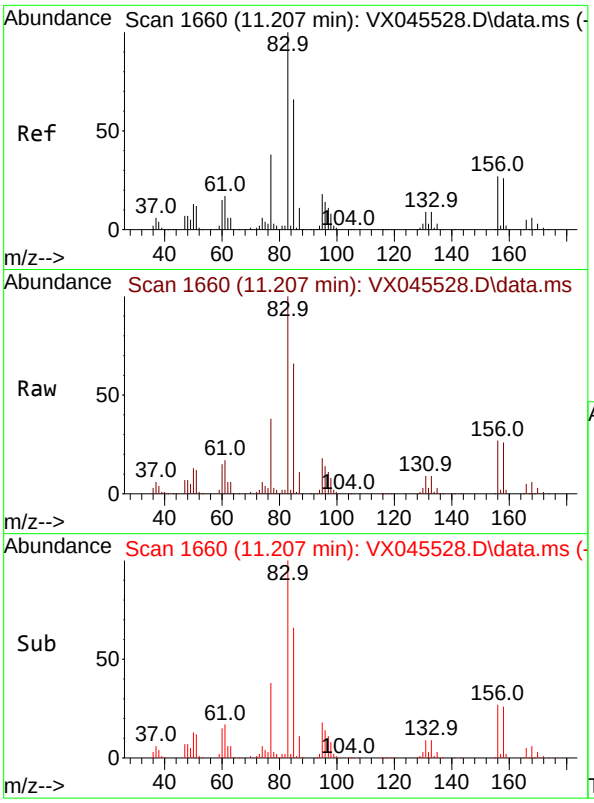


#74
N-amyl acetate
Concen: 53.721 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 141589

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3



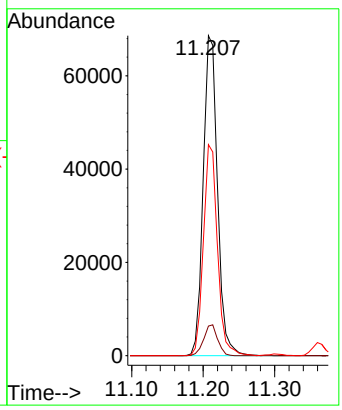


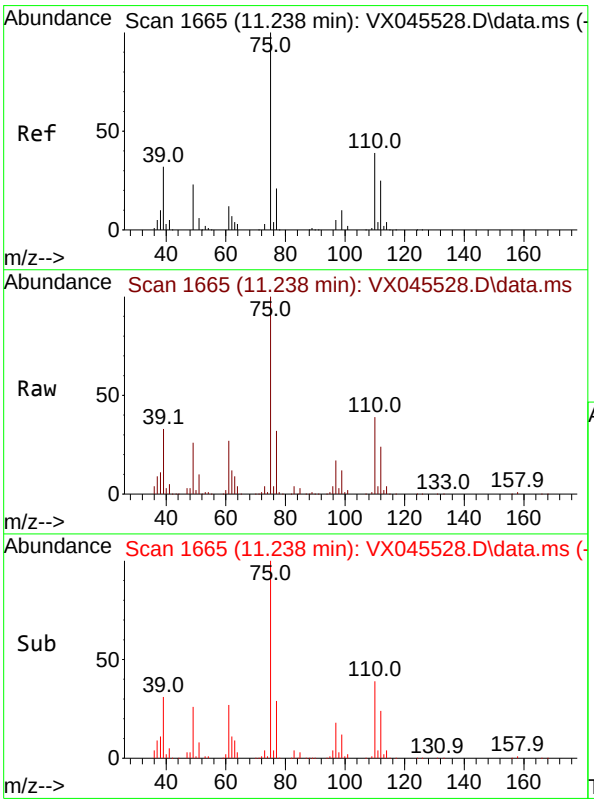
#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 95200

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.8	32.4	97.2

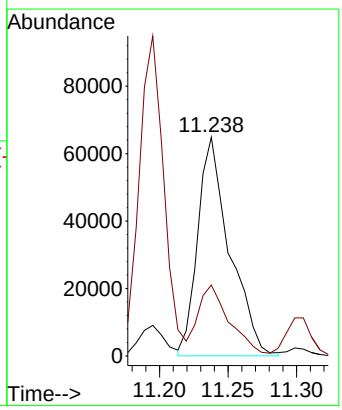


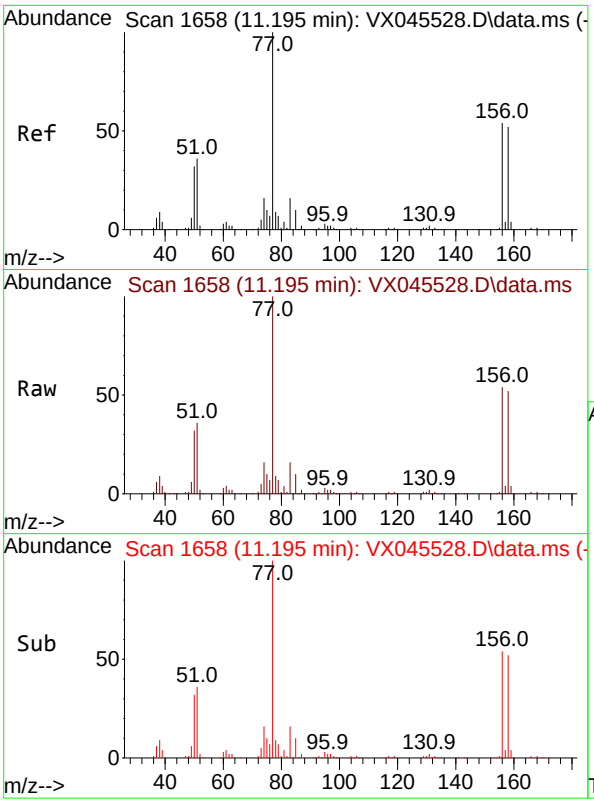


#76
1,2,3-Trichloropropane
Concen: 62.825 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 105411

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.0	59.9



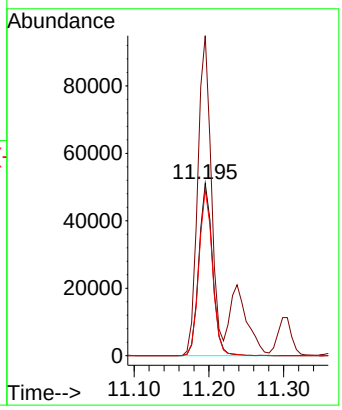


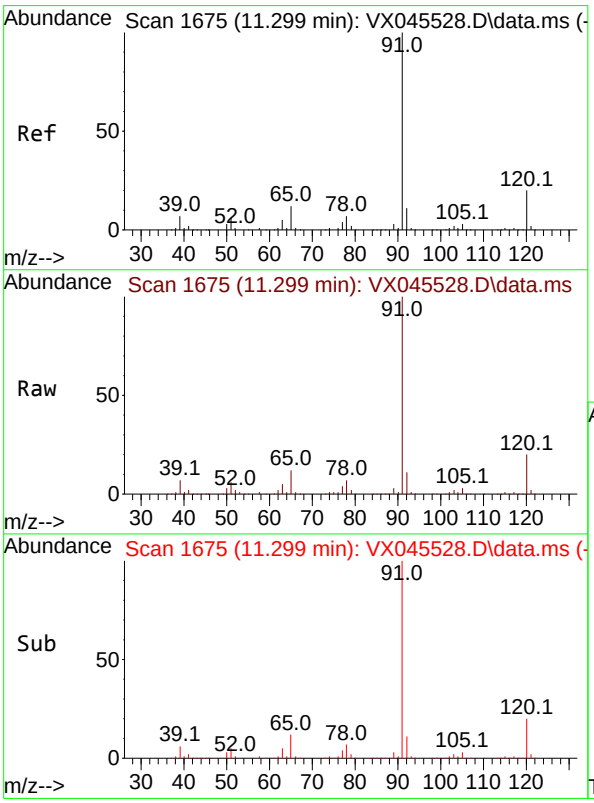
#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 64527

Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.6	277.8
158	96.3	48.1	144.4

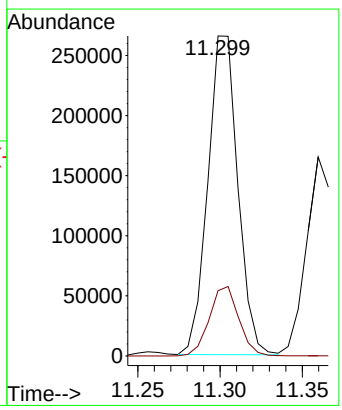


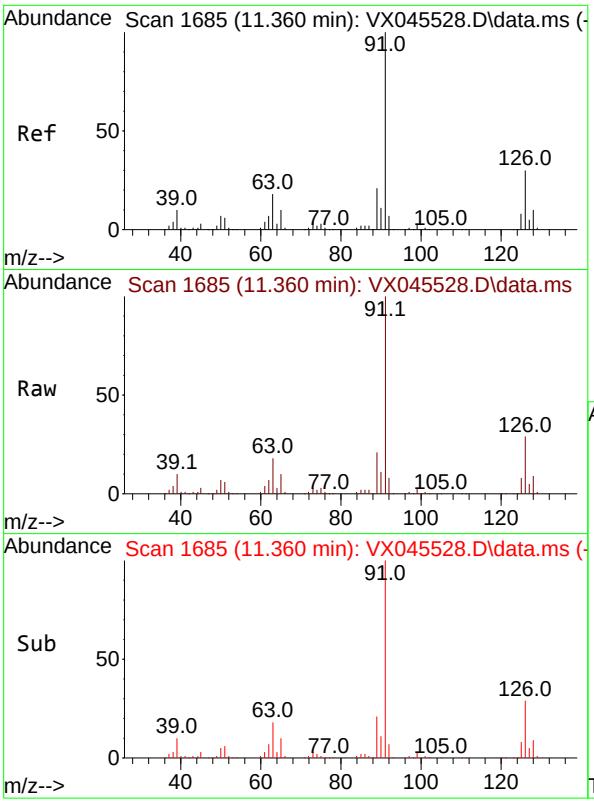


#78
n-propylbenzene
Concen: 53.069 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 336796

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3



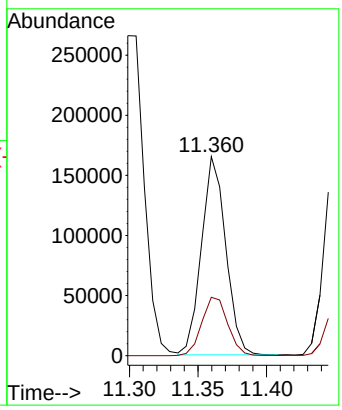


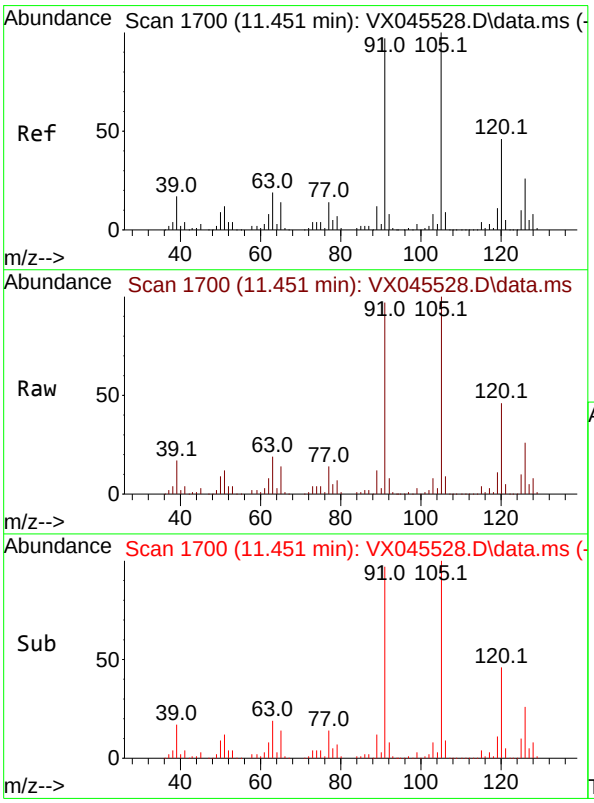
#79
2-Chlorotoluene
Concen: 50.279 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 203994

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

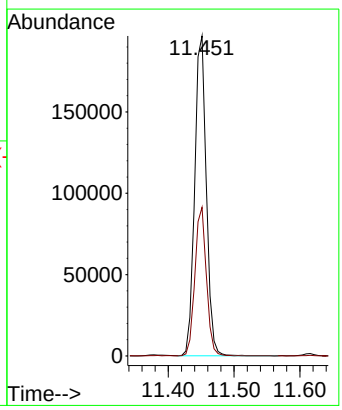


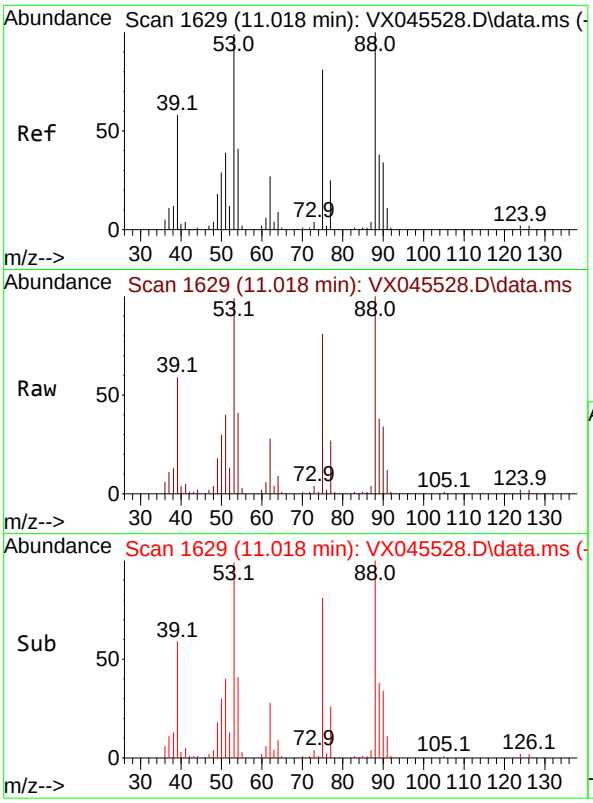


#80
1,3,5-Trimethylbenzene
Concen: 53.013 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 241536

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0



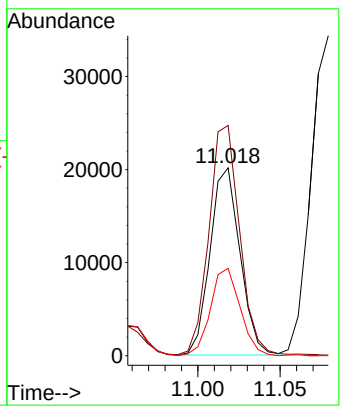


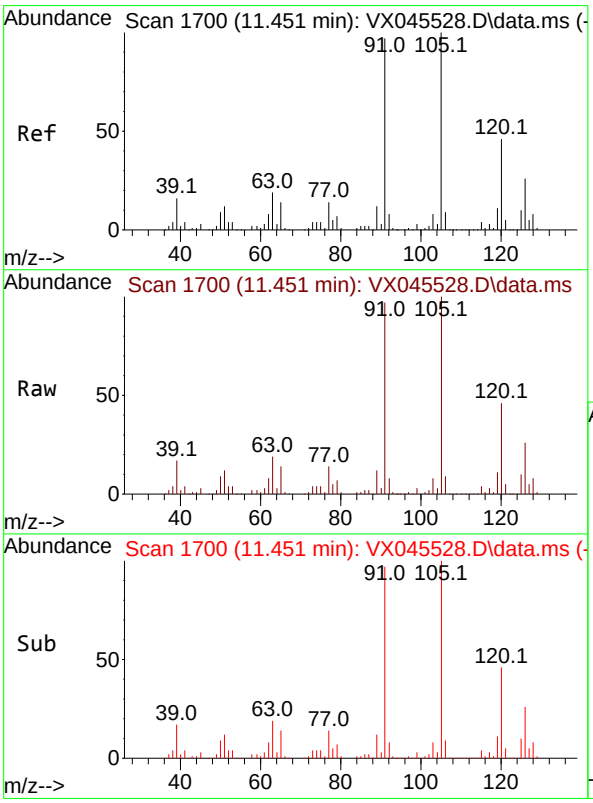
#81
trans-1,4-Dichloro-2-butene
Concen: 51.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 25488

Ion	Ratio	Lower	Upper
75	100		
53	127.2	101.8	152.6
89	46.5	37.2	55.8

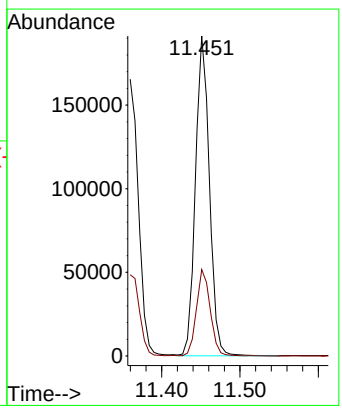


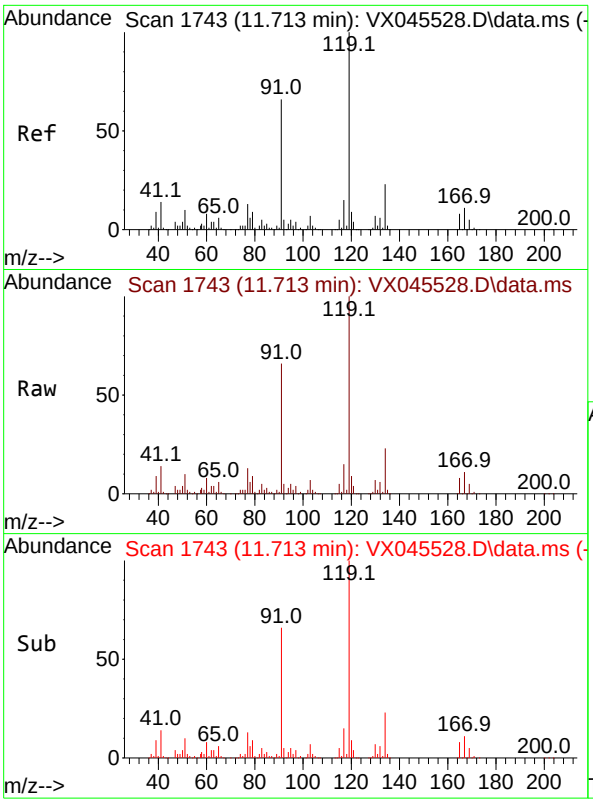


#82
4-Chlorotoluene
Concen: 52.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 237213

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9



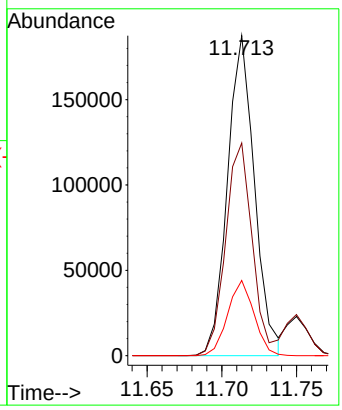


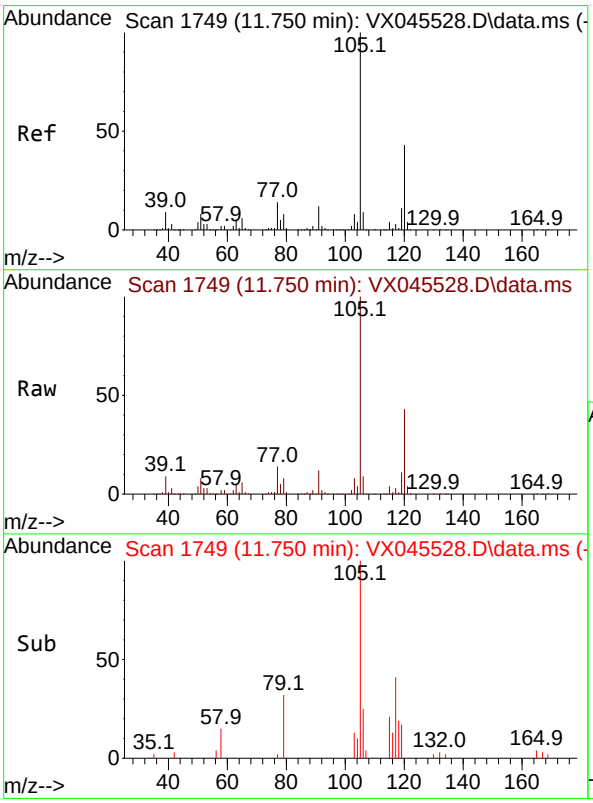
#83
tert-Butylbenzene
Concen: 52.256 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 235715

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	23.0	11.5	34.5

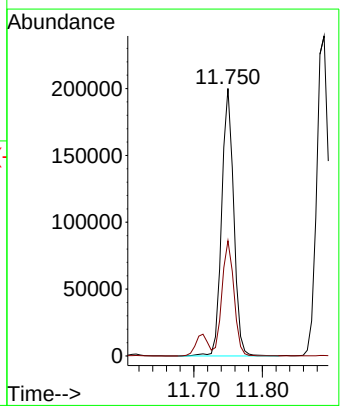


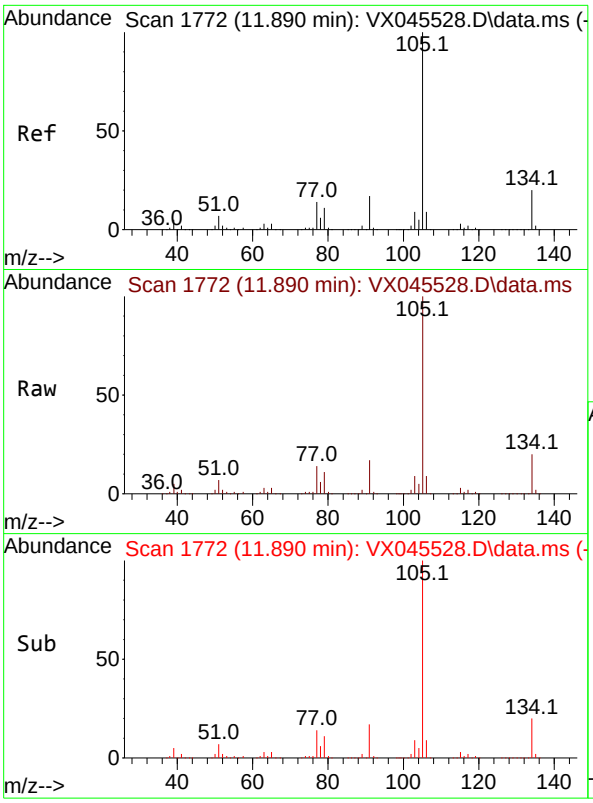


#84
1,2,4-Trimethylbenzene
Concen: 52.986 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 242301

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.3



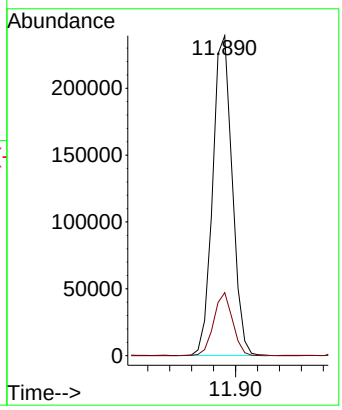


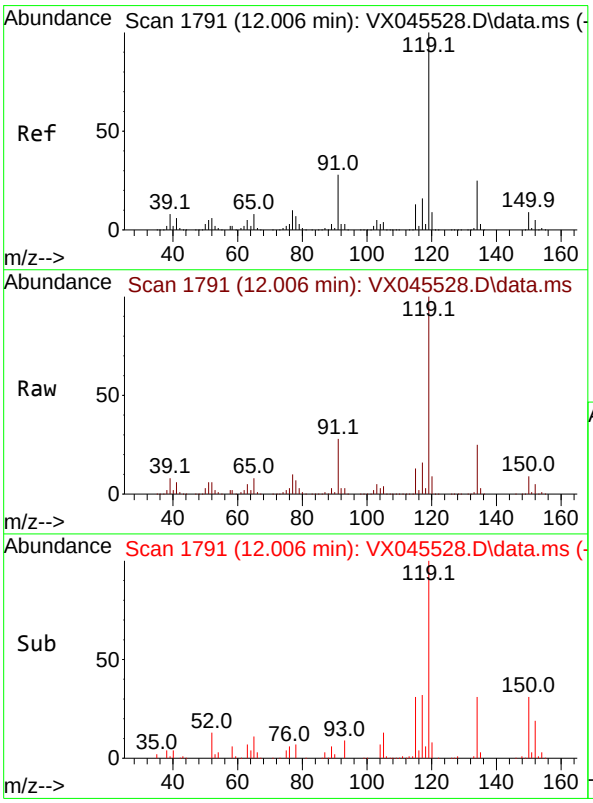
#85
sec-Butylbenzene
Concen: 53.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 295799

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6

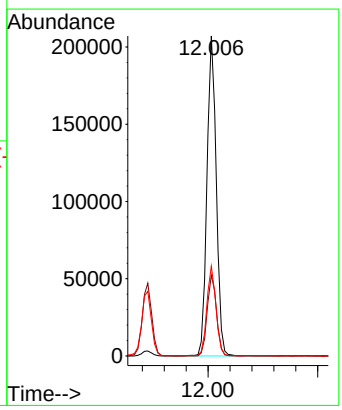


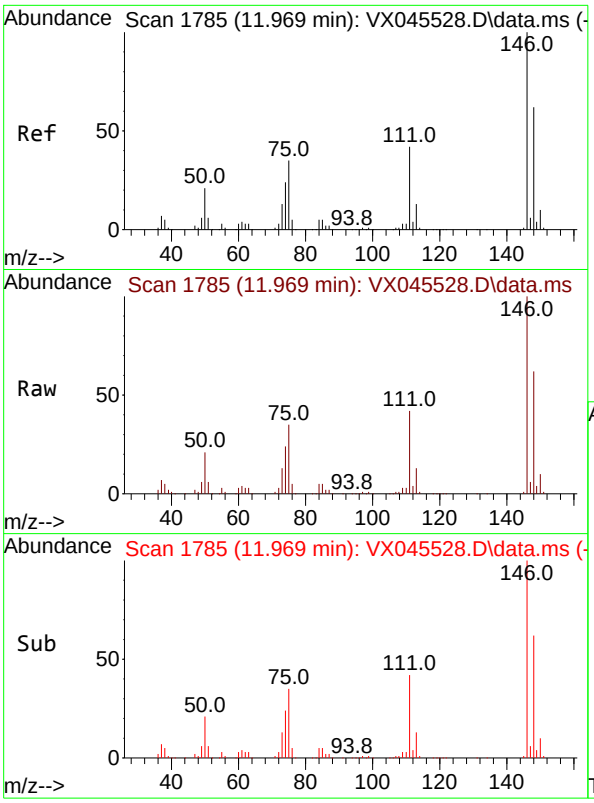


#86
p-Isopropyltoluene
Concen: 53.073 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 242416

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.4	13.7	41.1



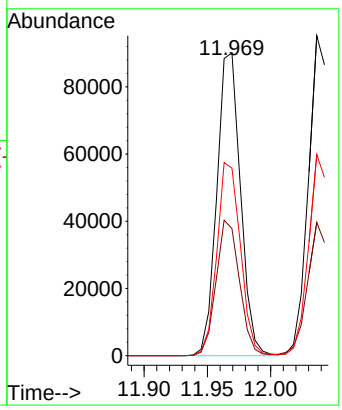


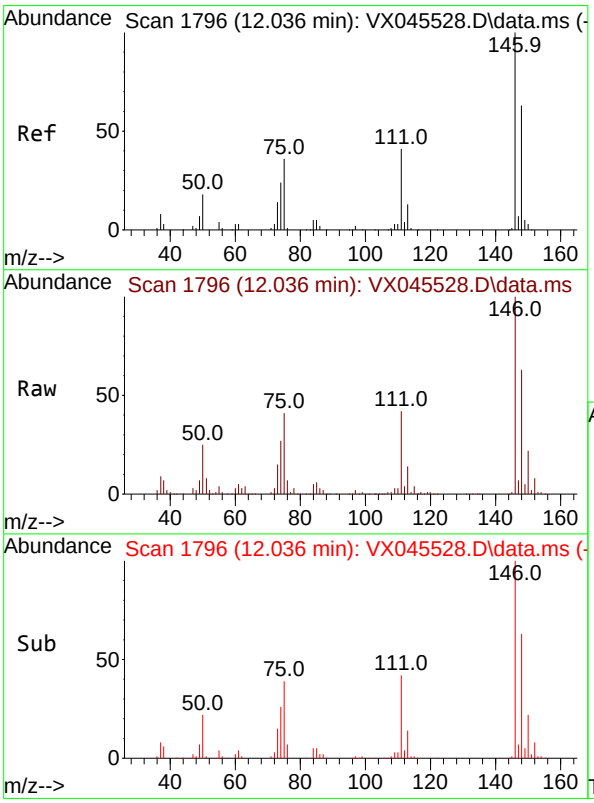
#87
1,3-Dichlorobenzene
Concen: 50.441 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 116890

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.8	31.9	95.7

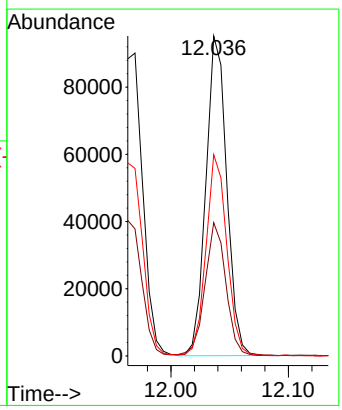


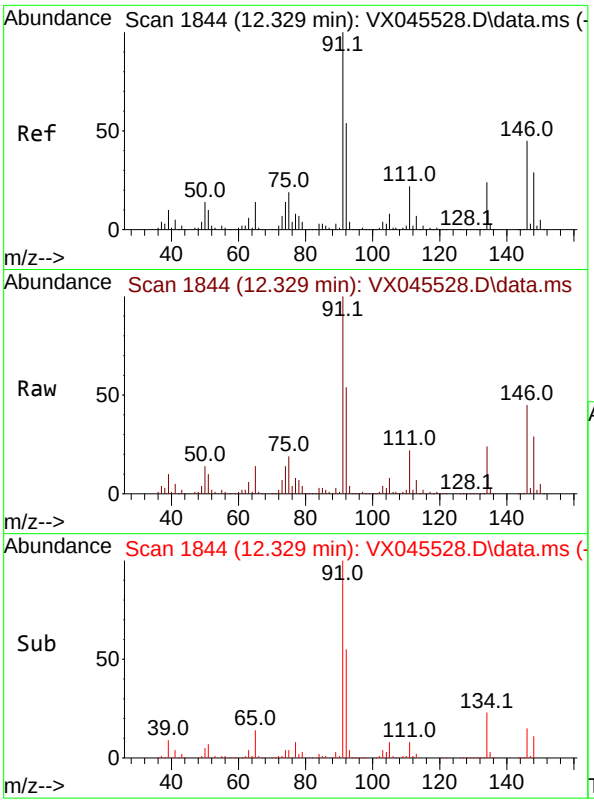


#88
1,4-Dichlorobenzene
Concen: 49.871 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 117164

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.0	31.5	94.5



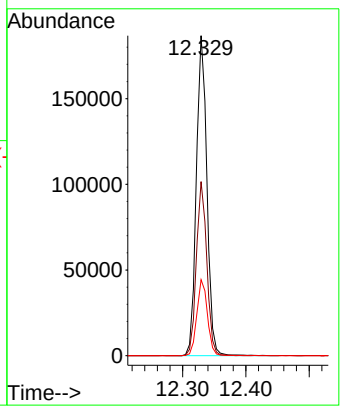


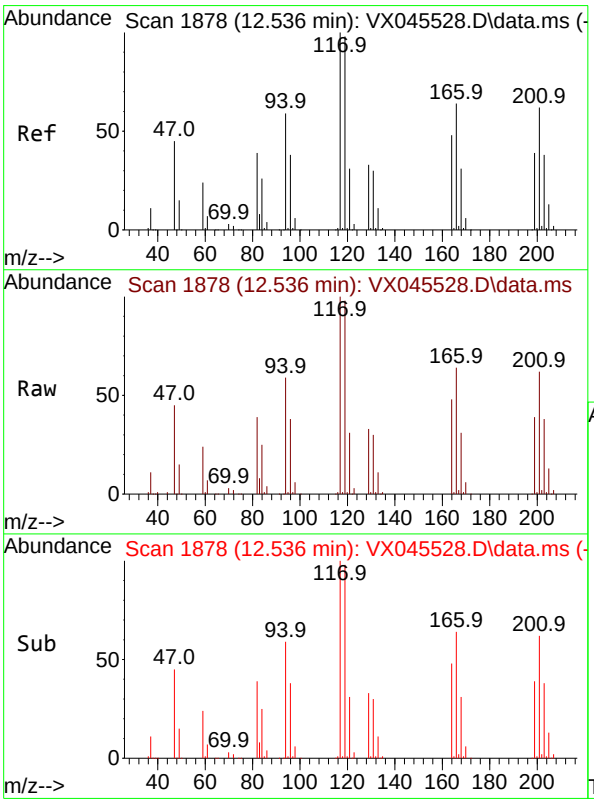
#89
n-Butylbenzene
Concen: 54.874 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 217345

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	23.8	11.9	35.7

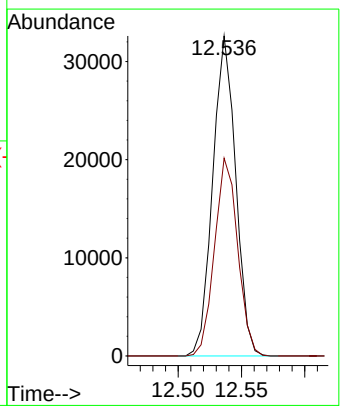


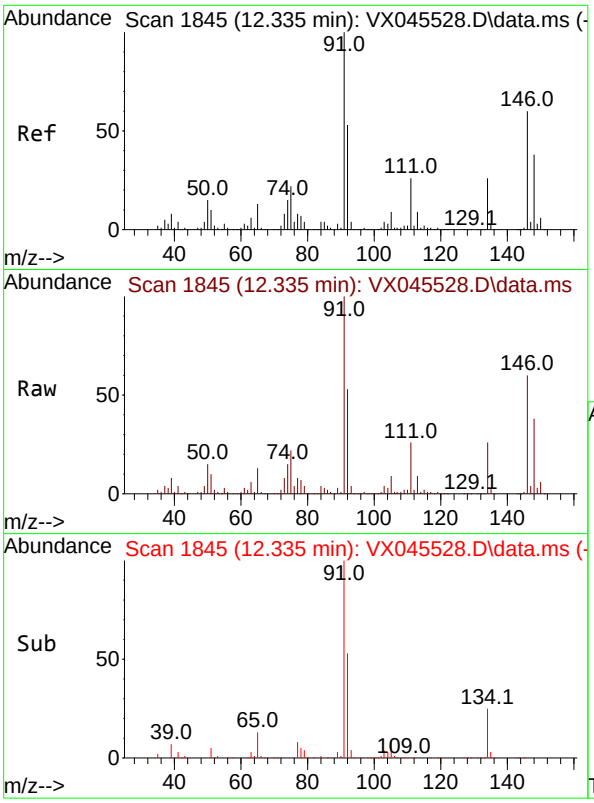


#90
Hexachloroethane
Concen: 52.352 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 41095

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.2	93.6



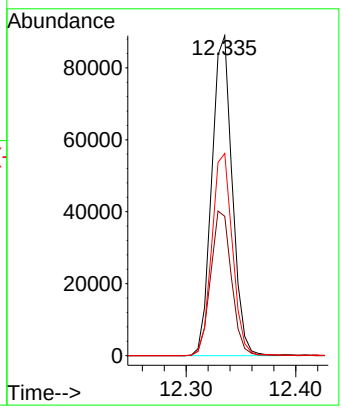


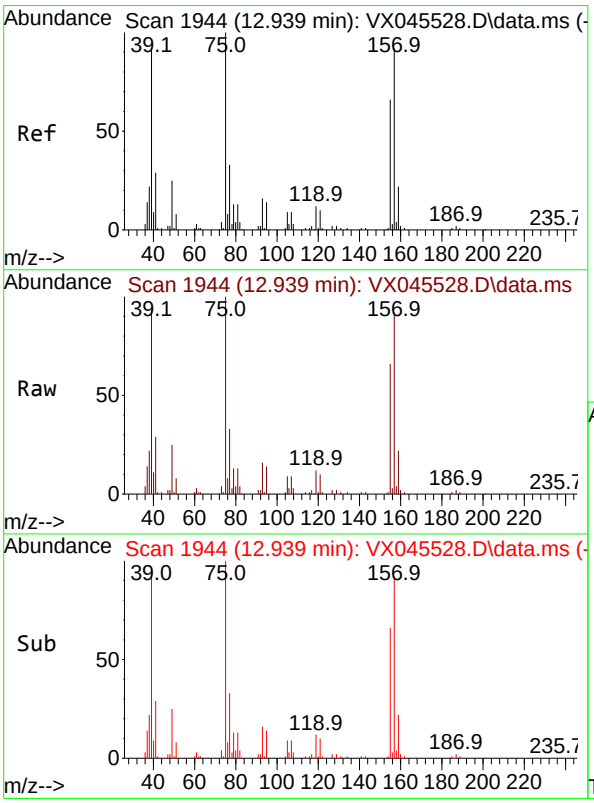
#91
1,2-Dichlorobenzene
Concen: 50.099 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 115426

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	63.7	31.9	95.5

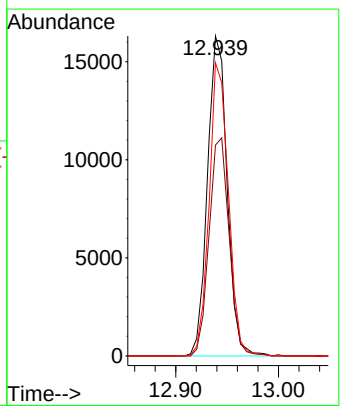


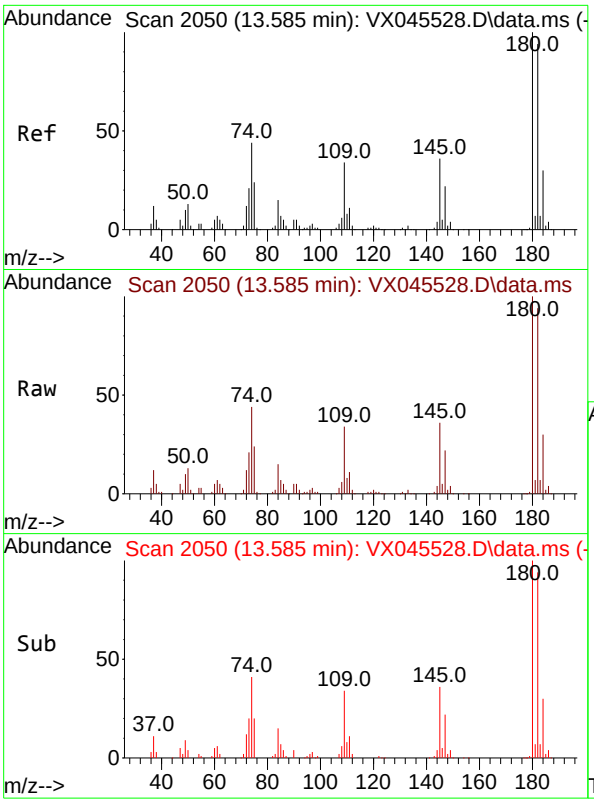


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.638 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 21712

Ion	Ratio	Lower	Upper
75	100		
155	69.8	34.9	104.7
157	89.8	44.9	134.7



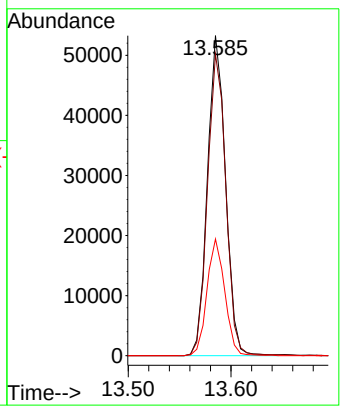


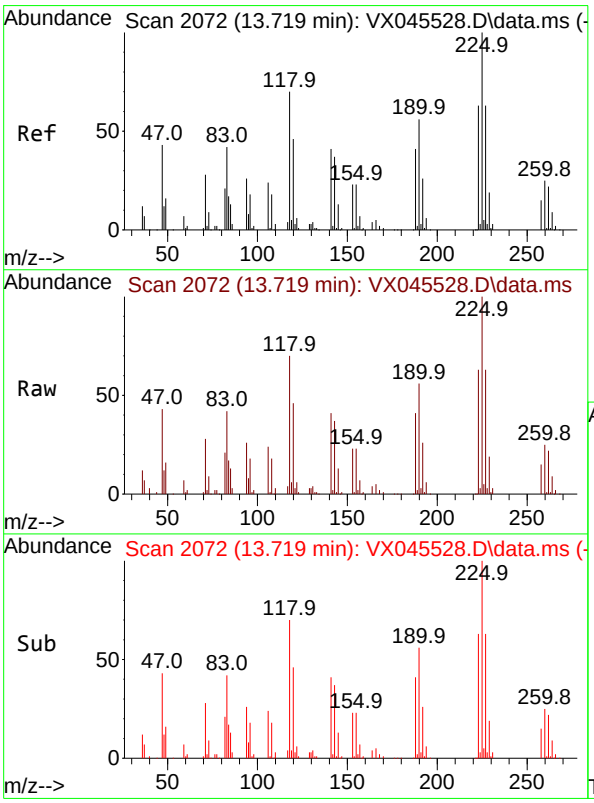
#93
1,2,4-Trichlorobenzene
Concen: 50.797 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 65145

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	35.9	17.9	53.8

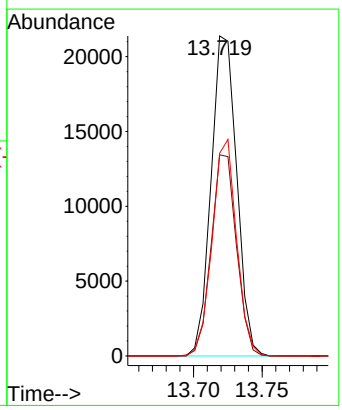


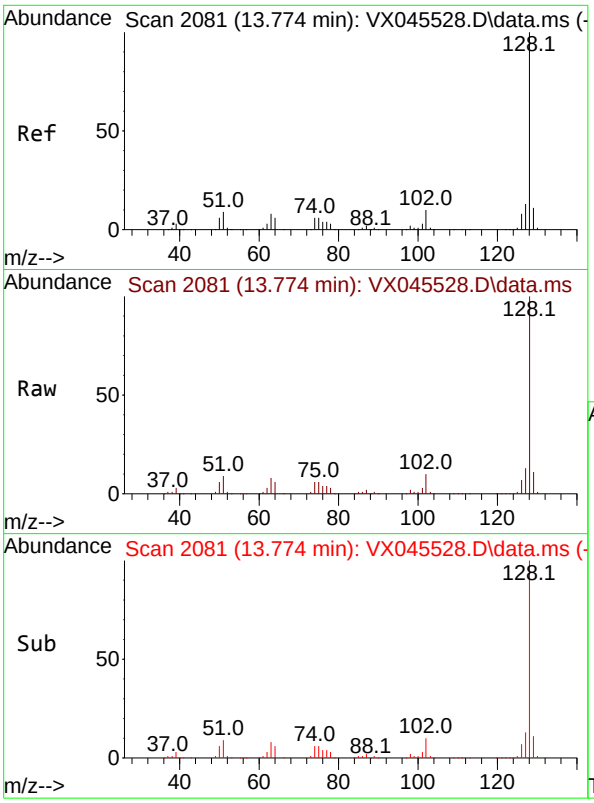


#94
Hexachlorobutadiene
Concen: 50.296 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:225 Resp: 27795

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	64.4	32.2	96.6



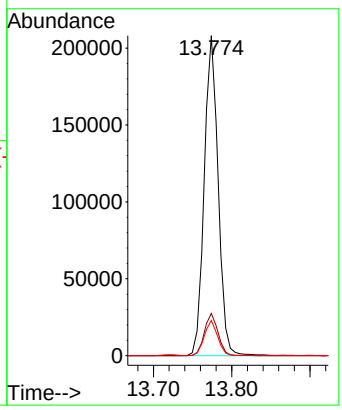


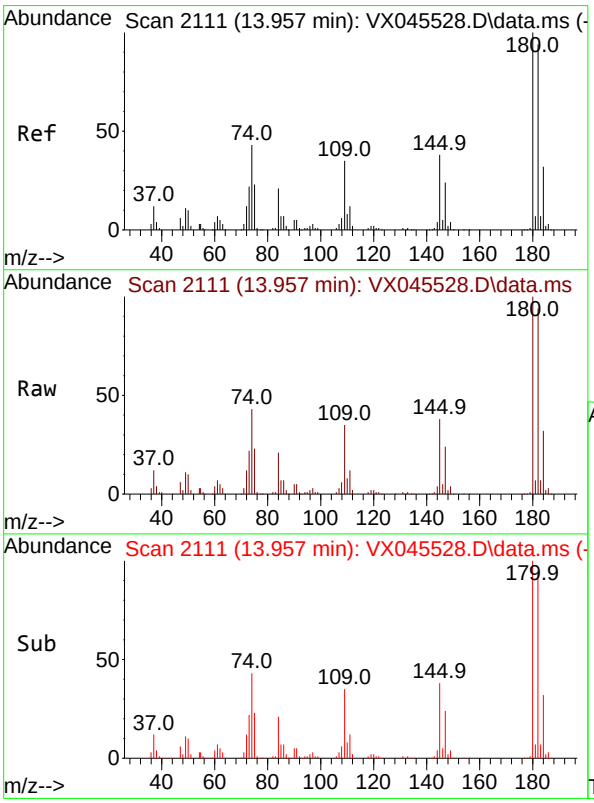
#95
Naphthalene
Concen: 53.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 256009

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

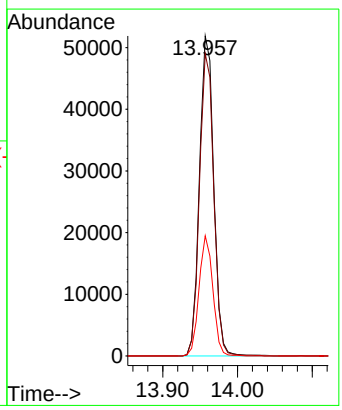




#96
1,2,3-Trichlorobenzene
Concen: 51.219 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 68781

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.4	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	86107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155757	98.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.820%#			
35) Dibromofluoromethane	5.379	113	107908	99.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.160%#			
50) Toluene-d8	8.647	98	375599	99.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.620%#			
62) 4-Bromofluorobenzene	11.079	95	146944	106.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	144108	111.909	ug/l	99
3) Chloromethane	1.307	50	140360	106.098	ug/l	100
4) Vinyl Chloride	1.374	62	127174	105.042	ug/l	99
5) Bromomethane	1.593	94	58706	102.266	ug/l	98
6) Chloroethane	1.660	64	61099	95.120	ug/l	98
7) Trichlorofluoromethane	1.867	101	187555	103.887	ug/l	98
8) Diethyl Ether	2.136	74	61683	101.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106989	101.133	ug/l	97
10) Methyl Iodide	2.441	142	135732	102.863	ug/l	100
11) Tert butyl alcohol	2.989	59	110044	519.999	ug/l	99
12) 1,1-Dichloroethene	2.306	96	106404	102.934	ug/l	99
13) Acrolein	2.233	56	146268	501.914	ug/l	99
14) Allyl chloride	2.654	41	206484	105.276	ug/l	99
15) Acrylonitrile	3.062	53	338970	507.426	ug/l	99
16) Acetone	2.386	43	314285	486.054	ug/l	100
17) Carbon Disulfide	2.502	76	276285	108.215	ug/l	100
18) Methyl Acetate	2.703	43	147272	98.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381719	105.561	ug/l	99
20) Methylene Chloride	2.782	84	121435	100.316	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106896	101.220	ug/l	98
22) Diisopropyl ether	3.757	45	406185	105.132	ug/l	95
23) Vinyl Acetate	3.721	43	1848817	553.853	ug/l	99
24) 1,1-Dichloroethane	3.605	63	220934	101.114	ug/l	100
25) 2-Butanone	4.556	43	491249	519.018	ug/l	100
26) 2,2-Dichloropropane	4.465	77	155592	110.215	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129785	100.871	ug/l	98
28) Bromochloromethane	4.891	49	105093	99.530	ug/l	100
29) Tetrahydrofuran	5.001	42	313121	510.264	ug/l	99
30) Chloroform	5.086	83	225402	100.255	ug/l	99
31) Cyclohexane	5.458	56	197136	102.056	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	198511	104.346	ug/l	99
36) 1,1-Dichloropropene	5.684	75	151448	103.515	ug/l	99
37) Ethyl Acetate	4.715	43	192130	104.207	ug/l	99
38) Carbon Tetrachloride	5.672	117	166465	105.278	ug/l	99
39) Methylcyclohexane	7.373	83	191752	106.921	ug/l	99
40) Benzene	6.031	78	452946	101.369	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	107037	109.068	ug/l		99
42) 1,2-Dichloroethane	6.080	62	189528	102.696	ug/l		100
43) Isopropyl Acetate	6.336	43	305974	109.494	ug/l		100
44) Trichloroethene	7.123	130	107332	101.062	ug/l		97
45) 1,2-Dichloropropane	7.421	63	115731	103.806	ug/l		98
46) Dibromomethane	7.574	93	87381	102.101	ug/l		97
47) Bromodichloromethane	7.818	83	179265	104.886	ug/l		98
48) Methyl methacrylate	7.690	41	158241	109.675	ug/l		99
49) 1,4-Dioxane	7.665	88	52624	2015.906	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	988881	533.814	ug/l		99
52) Toluene	8.714	92	276323	102.199	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	169413	100.645	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	182328	113.521	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109208	101.361	ug/l		98
56) Ethyl methacrylate	9.116	69	192034	115.168	ug/l		99
57) 1,3-Dichloropropane	9.305	76	192473	102.588	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	460297	545.696	ug/l		100
59) 2-Hexanone	9.427	43	738772	538.538	ug/l		99
60) Dibromochloromethane	9.519	129	128700	109.570	ug/l		98
61) 1,2-Dibromoethane	9.604	107	115919	106.282	ug/l		99
64) Tetrachloroethene	9.269	164	90817	94.325	ug/l		99
65) Chlorobenzene	10.073	112	296300	101.682	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	103437	102.243	ug/l		99
67) Ethyl Benzene	10.189	91	543568	104.152	ug/l		99
68) m/p-Xylenes	10.299	106	394241	207.694	ug/l		100
69) o-Xylene	10.640	106	195381	104.487	ug/l		99
70) Styrene	10.653	104	335333	108.654	ug/l		100
71) Bromoform	10.799	173	83632	110.714	ug/l	#	97
73) Isopropylbenzene	10.957	105	522436	100.944	ug/l		100
74) N-amyl acetate	10.842	43	275462	111.267	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	174977	96.243	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	197652	125.410	ug/l		88
77) Bromobenzene	11.195	156	119561	99.983	ug/l		99
78) n-propylbenzene	11.299	91	622679	104.454	ug/l		100
79) 2-Chlorotoluene	11.360	91	376682	98.840	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	435137	101.675	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	51873	111.704	ug/l		95
82) 4-Chlorotoluene	11.451	91	432884	101.877	ug/l		99
83) tert-Butylbenzene	11.713	119	437649	103.292	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	444211	103.414	ug/l		99
85) sec-Butylbenzene	11.890	105	546857	105.082	ug/l		100
86) p-Isopropyltoluene	12.006	119	453109	105.609	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	221481	101.749	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	216367	98.047	ug/l		98
89) n-Butylbenzene	12.329	91	420694	113.075	ug/l		99
90) Hexachloroethane	12.536	117	80489	109.160	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	215157	99.419	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43047	113.214	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	135046	112.106	ug/l		99
94) Hexachlorobutadiene	13.725	225	53636	103.326	ug/l		98
95) Naphthalene	13.774	128	499719	111.473	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	137328	108.869	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

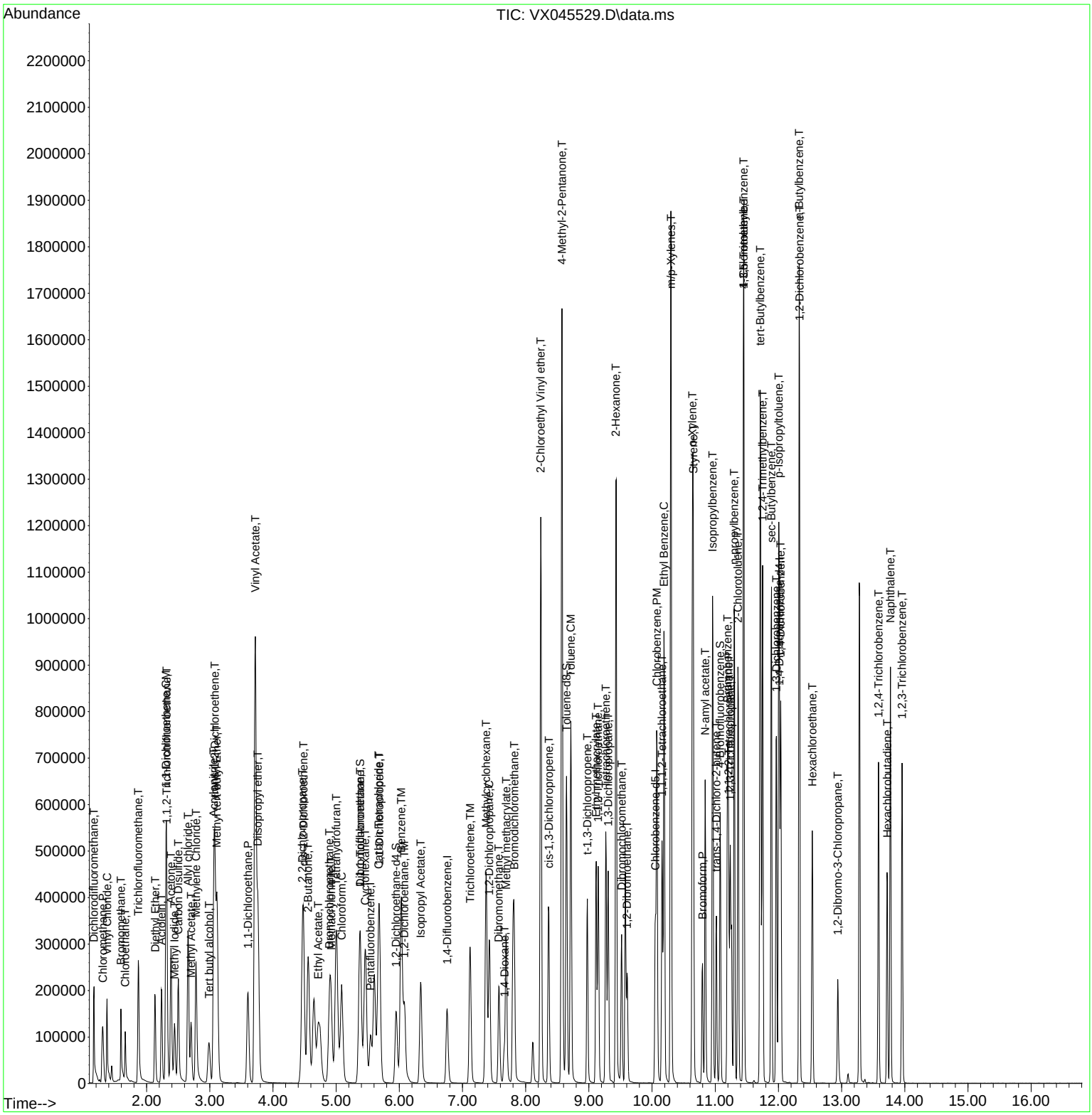
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

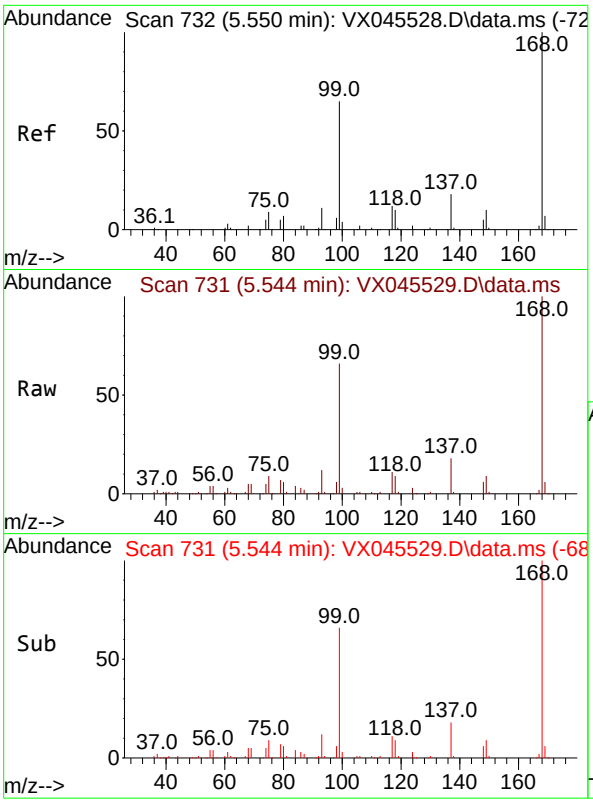
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



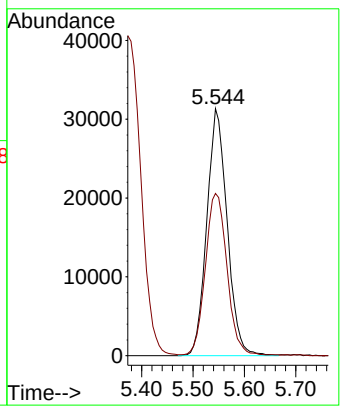


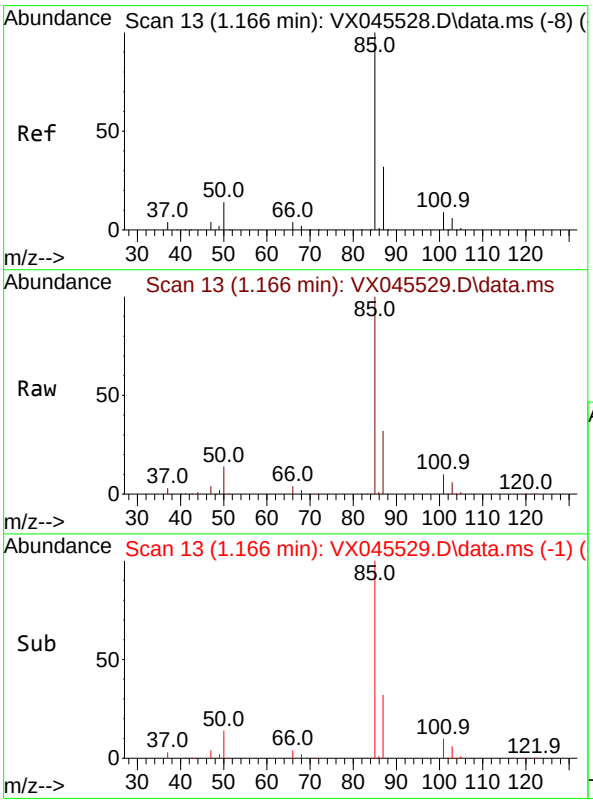
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 86107

Ion	Ratio	Lower	Upper
168	100		
99	65.3	52.3	78.5

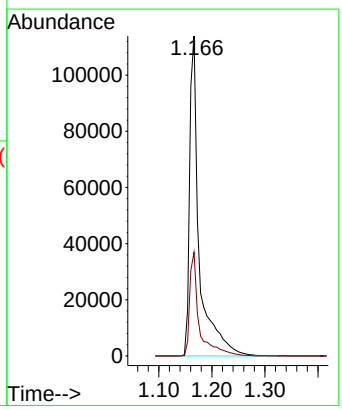


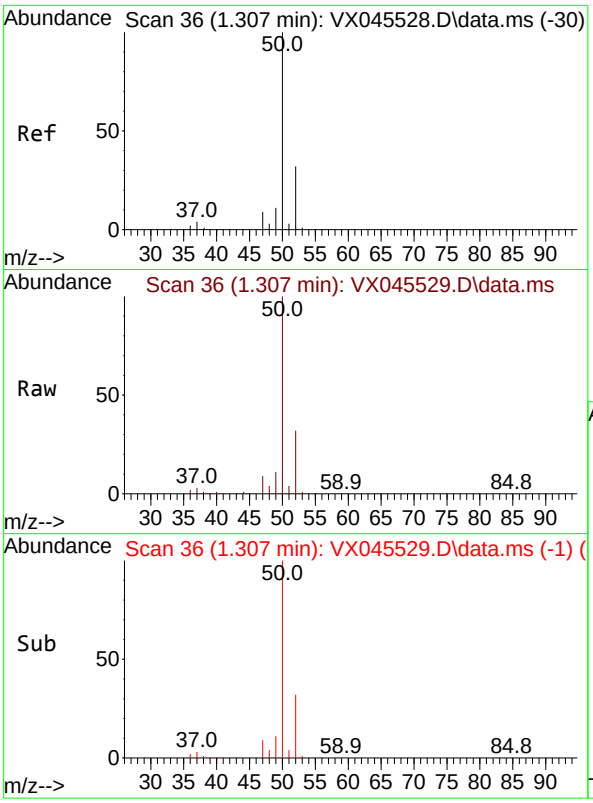


#2
Dichlorodifluoromethane
Concen: 111.909 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 85 Resp: 144108

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2



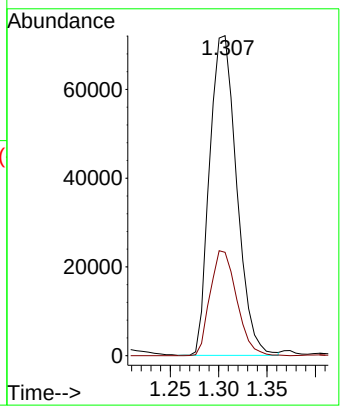


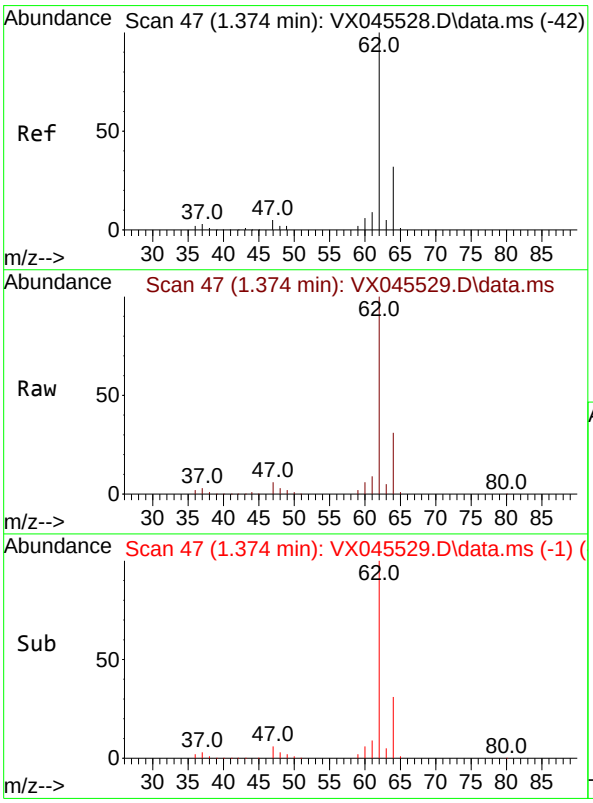
#3
Chloromethane
Concen: 106.098 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 140360

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

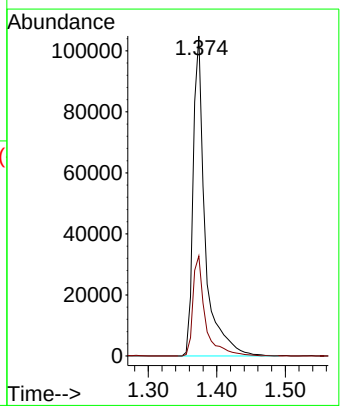


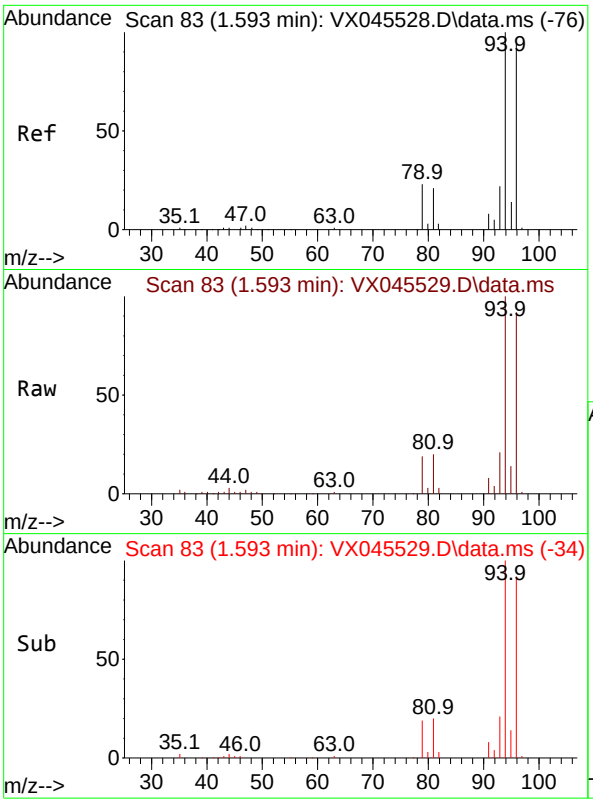


#4
Vinyl Chloride
Concen: 105.042 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 127174

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3



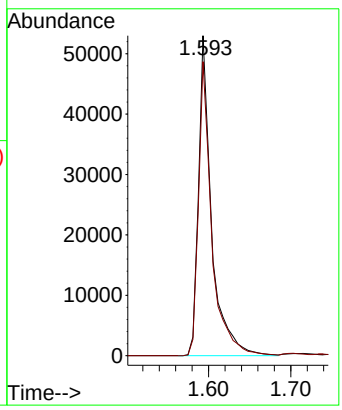


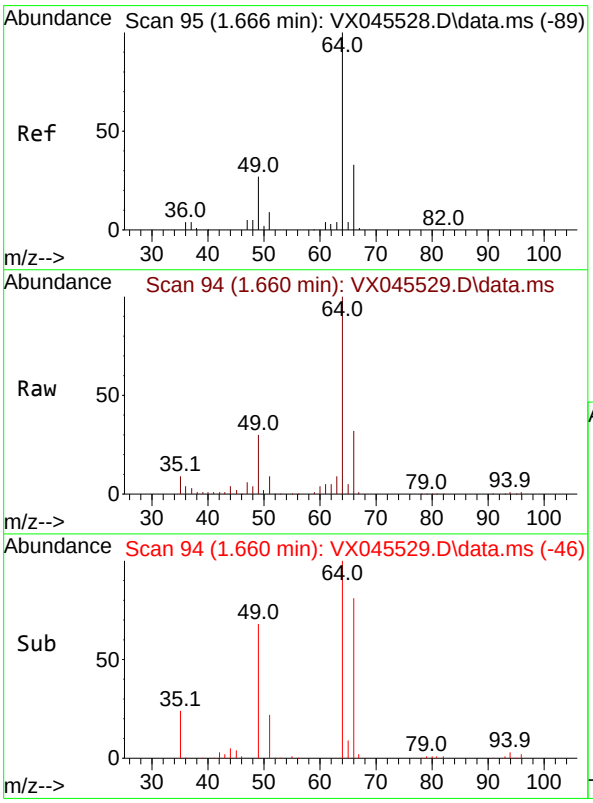
#5
Bromomethane
Concen: 102.266 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 58706

Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.8	112.2

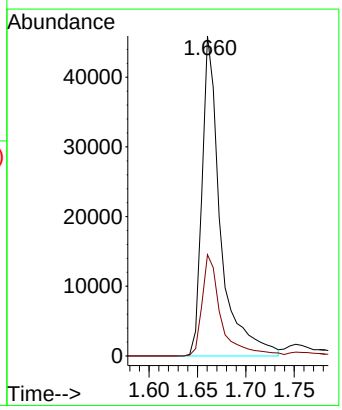


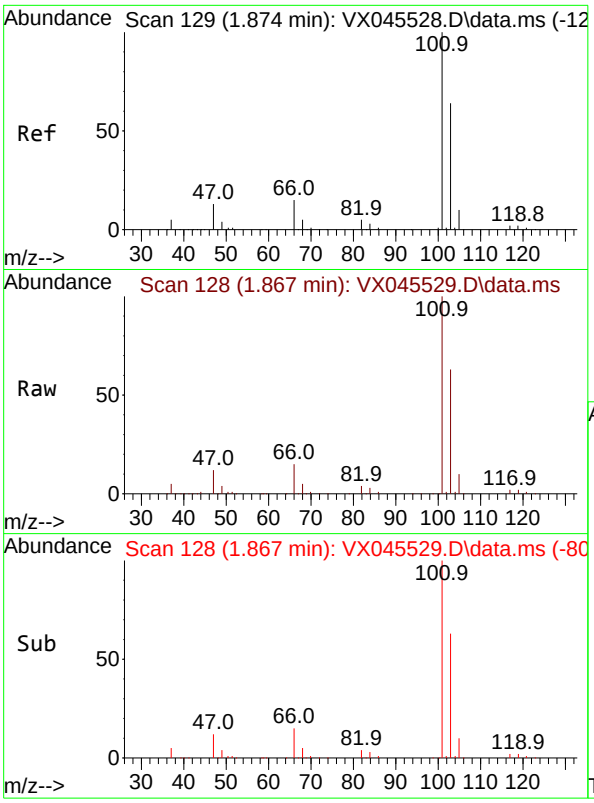


#6
Chloroethane
Concen: 95.120 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 64 Resp: 61099

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.3	39.5



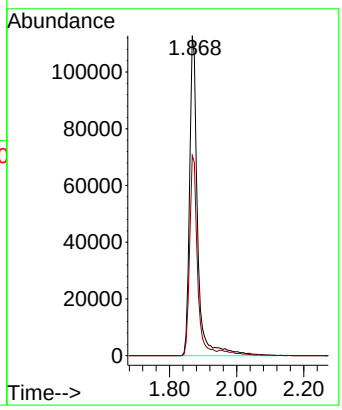


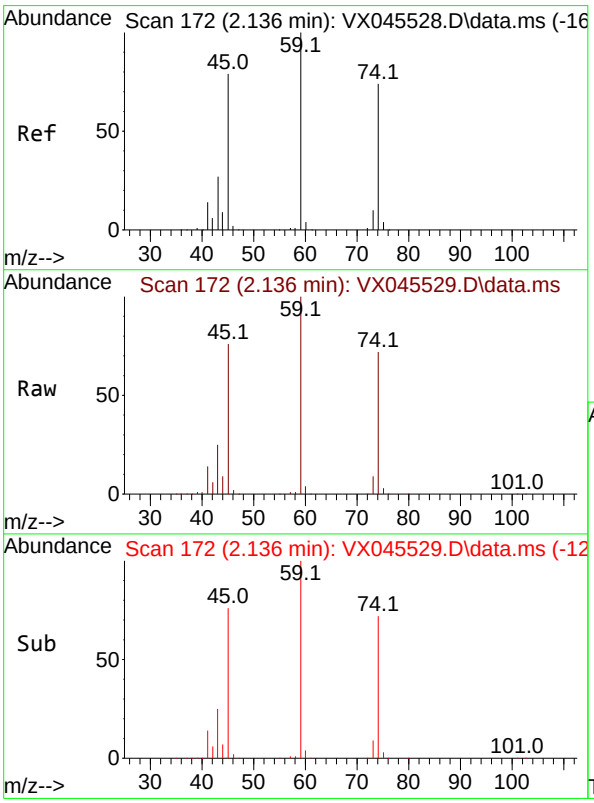
#7
Trichlorofluoromethane
Concen: 103.887 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 187555

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.1	76.7

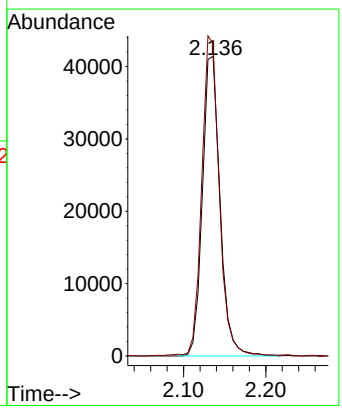


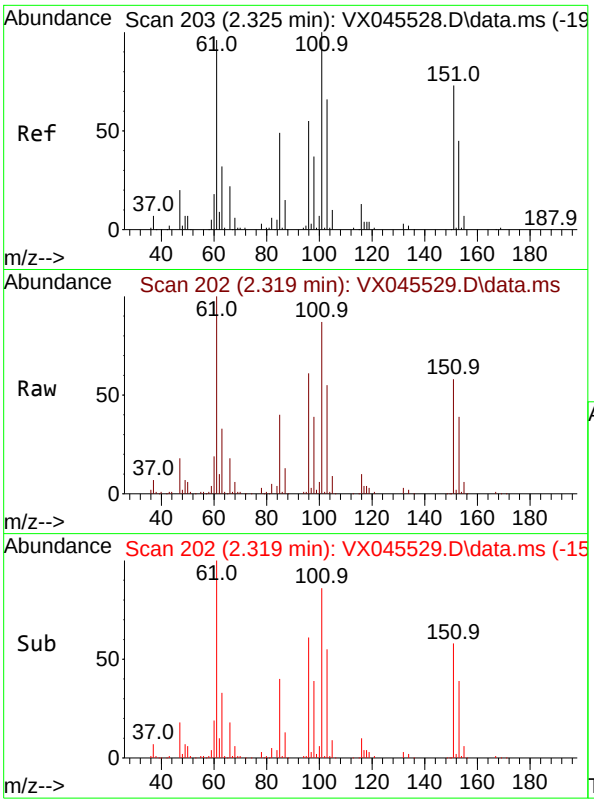


#8
Diethyl Ether
Concen: 101.767 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 74 Resp: 61683

Ion	Ratio	Lower	Upper
74	100		
45	106.7	53.0	159.1



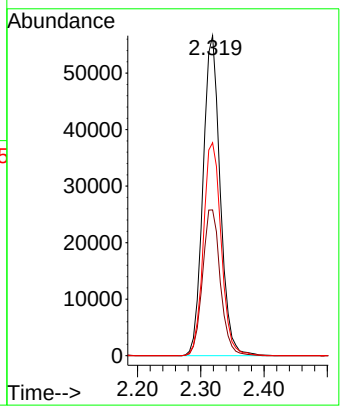


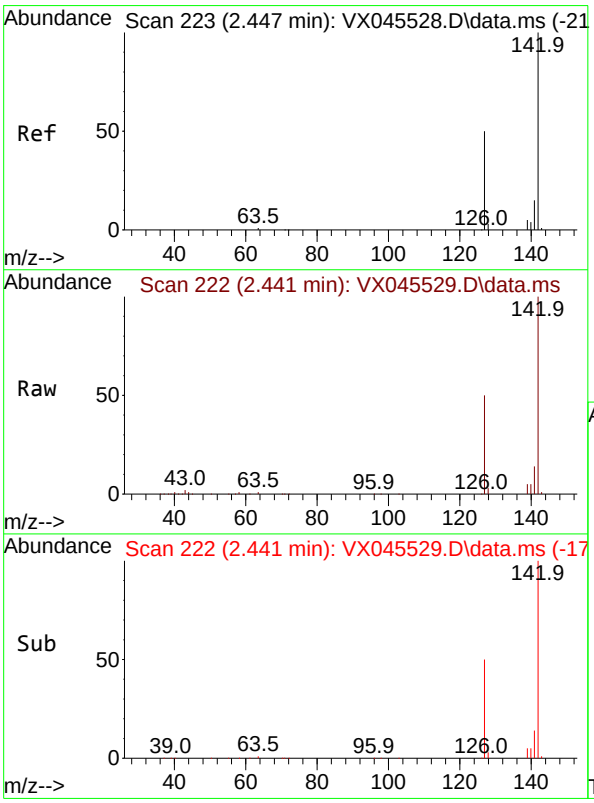
#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.133 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 106989

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.9	58.3
151	69.0	57.5	86.3

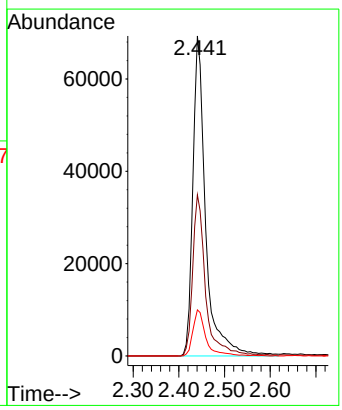


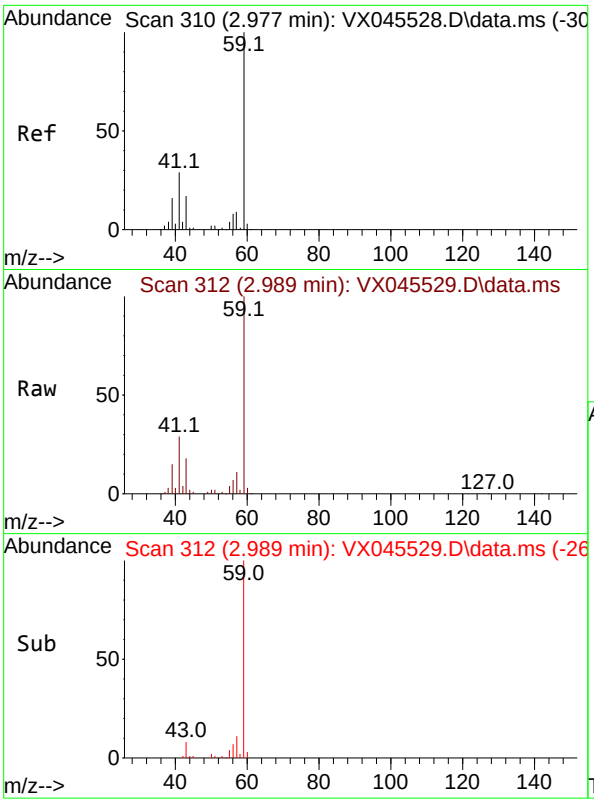


#10
Methyl Iodide
Concen: 102.863 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:142 Resp: 135732

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.5	11.7	17.5



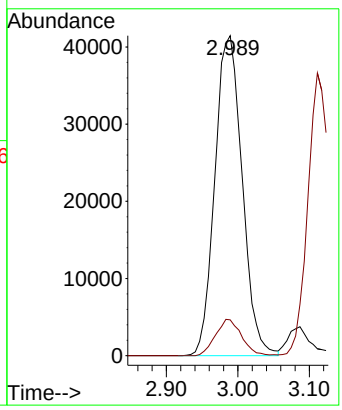


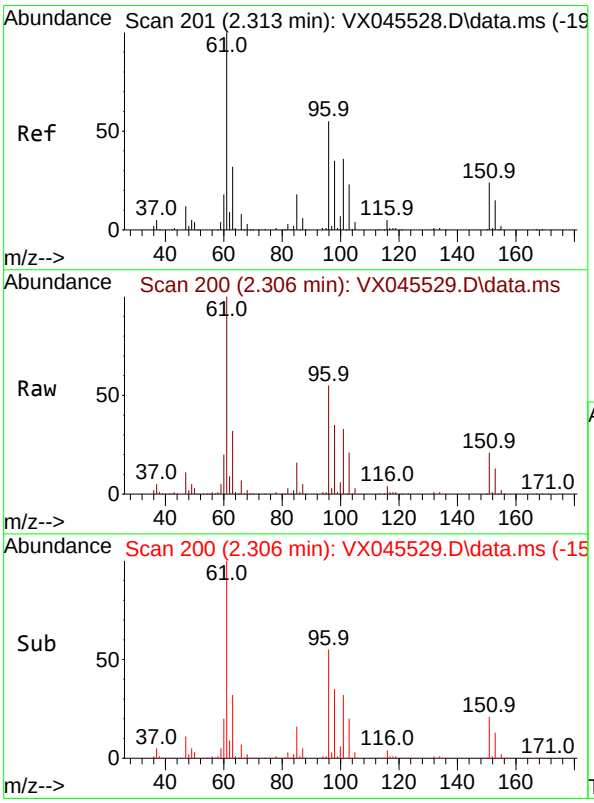
#11
Tert butyl alcohol
Concen: 519.999 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 110044

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

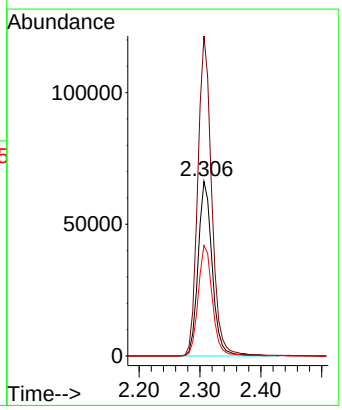


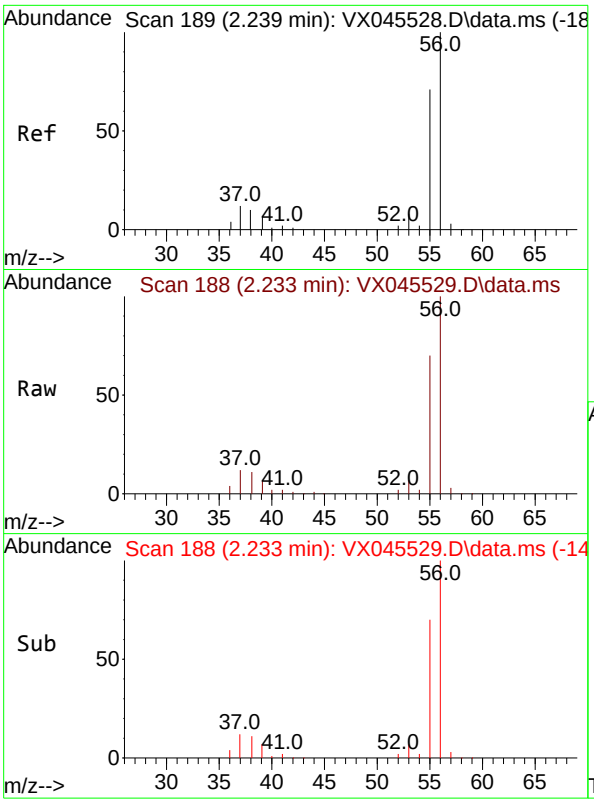


#12
1,1-Dichloroethene
Concen: 102.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 106404

Ion	Ratio	Lower	Upper
96	100		
61	183.3	145.7	218.5
98	63.3	51.6	77.4



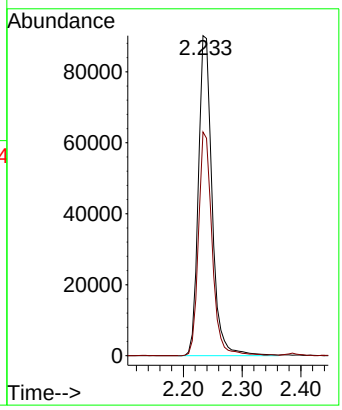


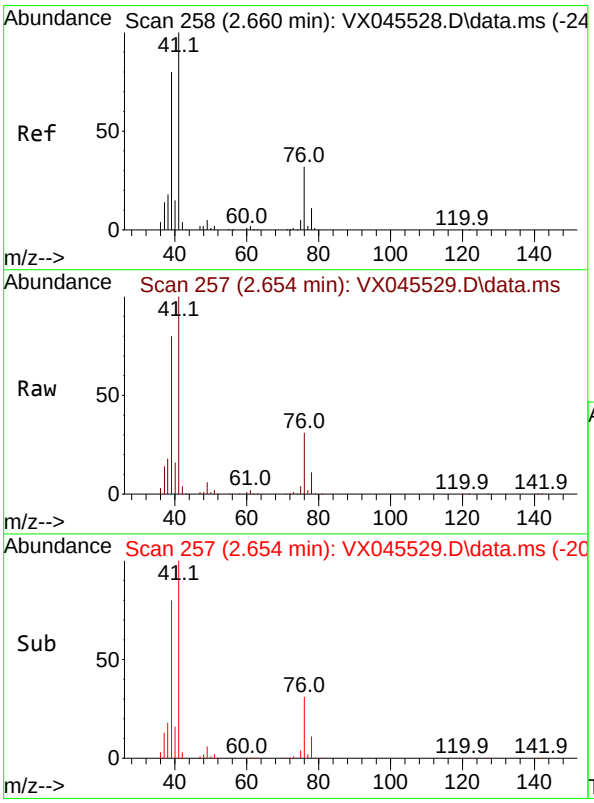
#13
Acrolein
Concen: 501.914 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 146268

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.2

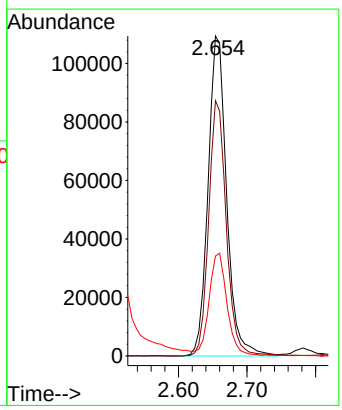


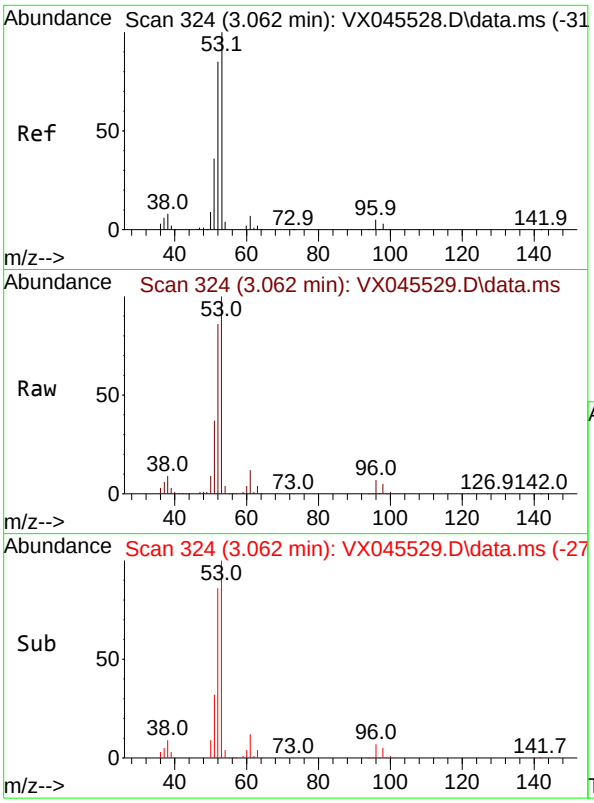


#14
Allyl chloride
Concen: 105.276 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 206484

Ion	Ratio	Lower	Upper
41	100		
39	75.8	60.2	90.2
76	31.3	24.6	36.8



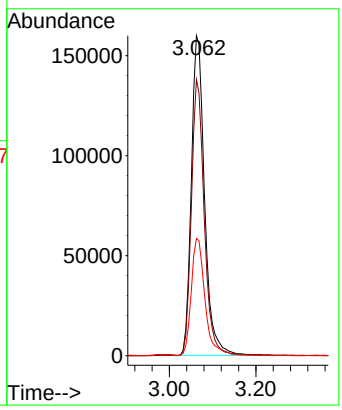


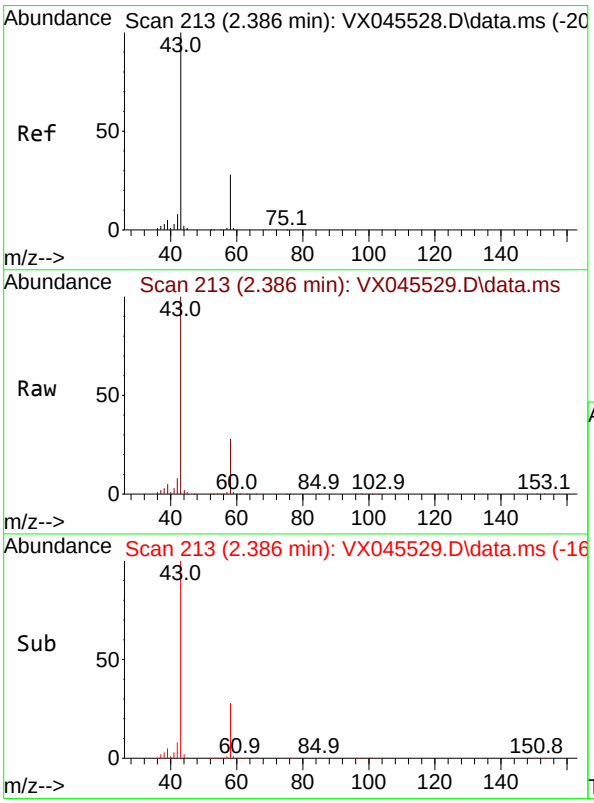
#15
Acrylonitrile
Concen: 507.426 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 338970

Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.2
51	38.0	29.9	44.9

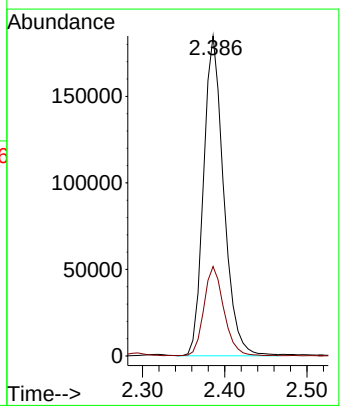


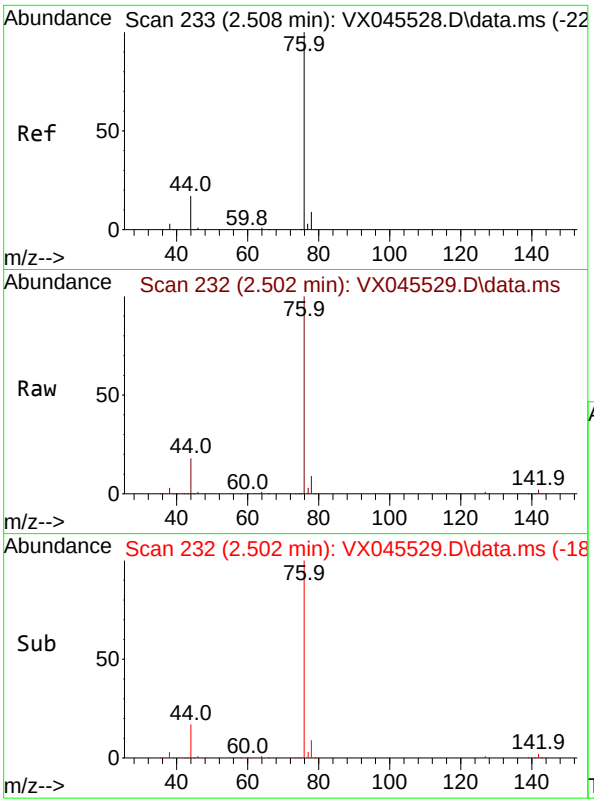


#16
Acetone
Concen: 486.054 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 314285

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5



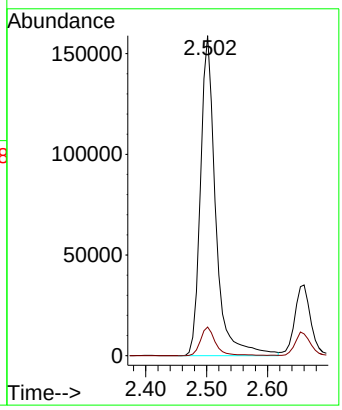


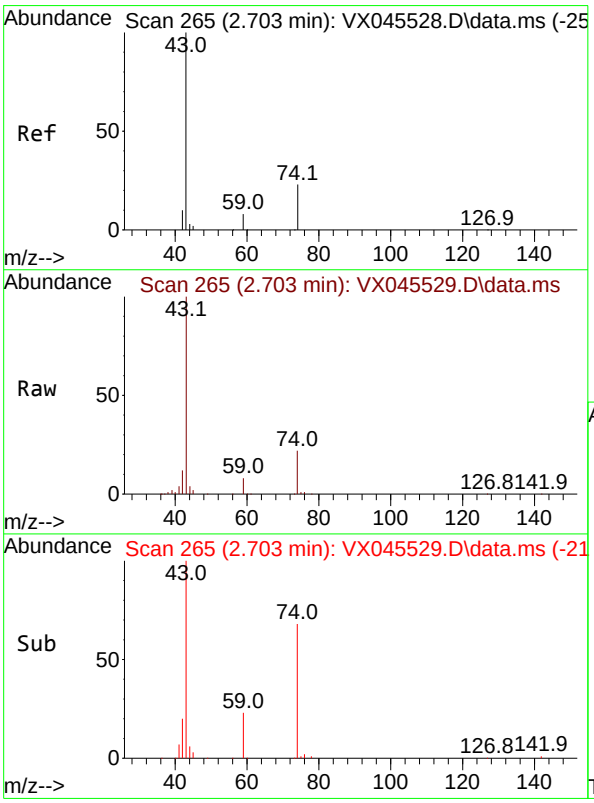
#17
Carbon Disulfide
Concen: 108.215 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 276285

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

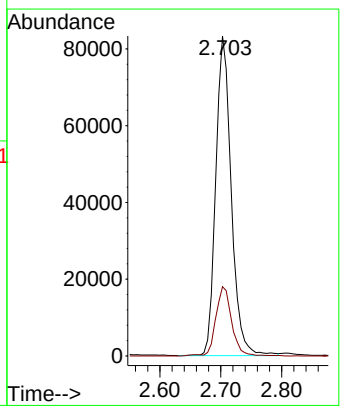


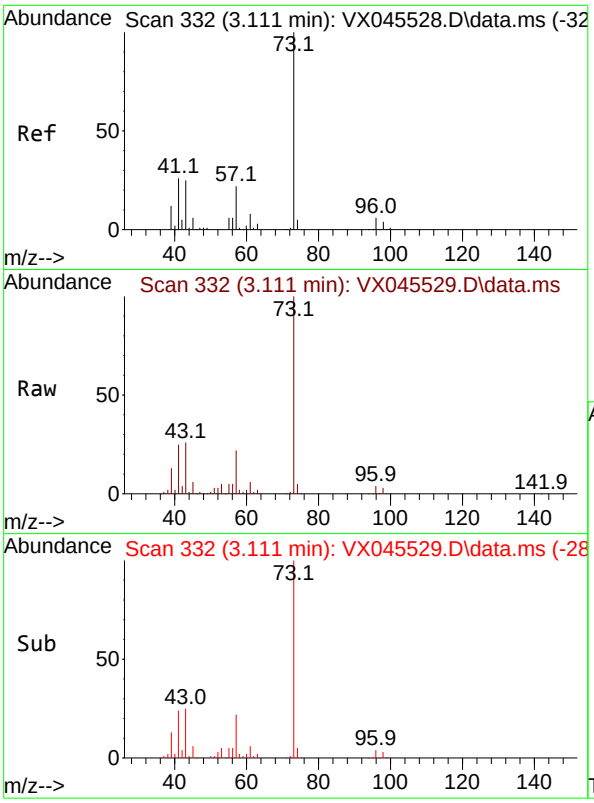


#18
Methyl Acetate
Concen: 98.925 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 147272

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3



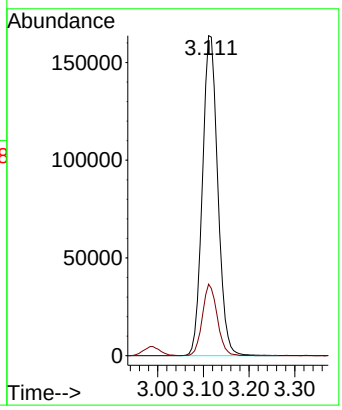


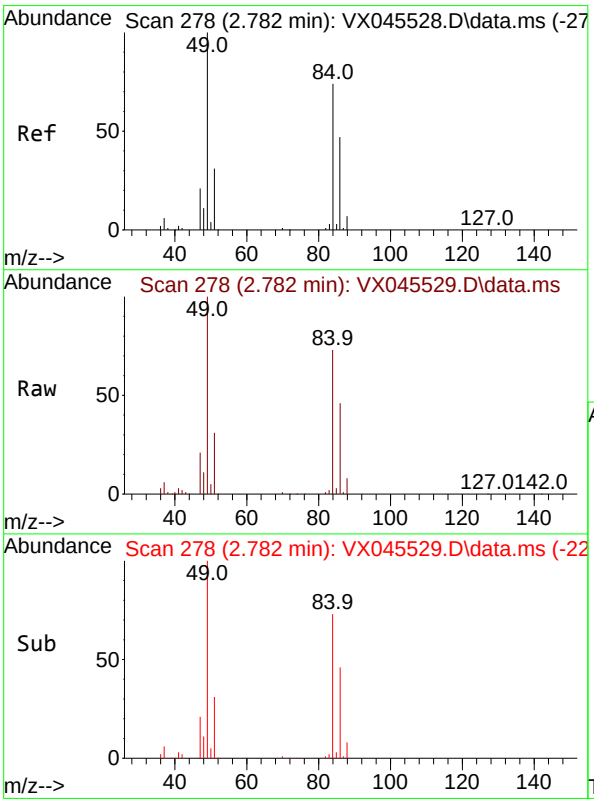
#19
Methyl tert-butyl Ether
Concen: 105.561 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 381719

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4

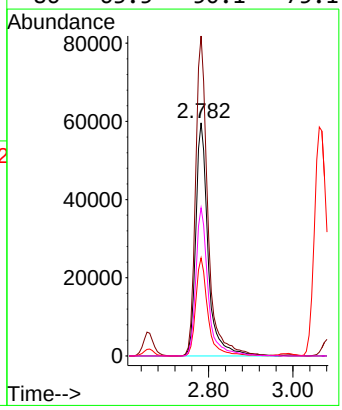


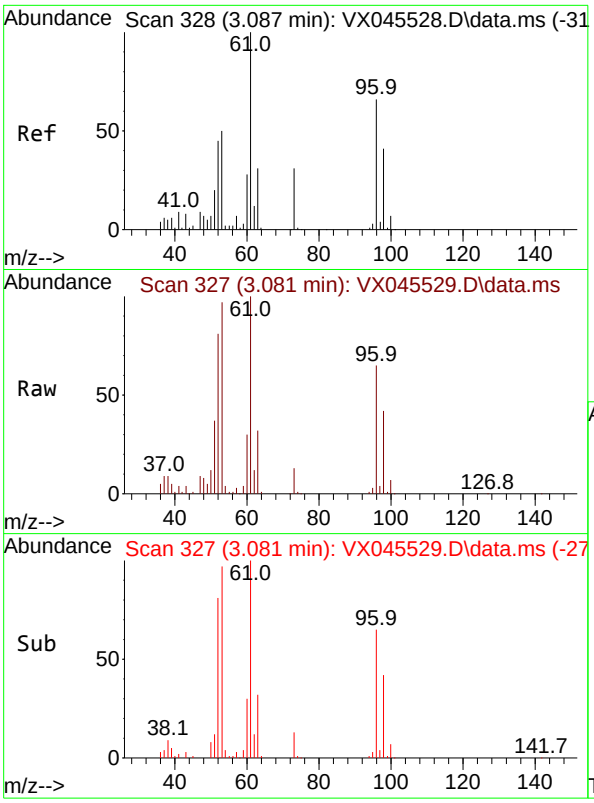


#20
Methylene Chloride
Concen: 100.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 84 Resp: 121435

Ion	Ratio	Lower	Upper
84	100		
49	137.2	107.5	161.3
51	42.1	33.0	49.6
86	63.5	50.1	75.1



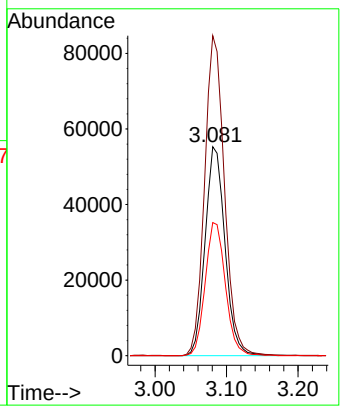


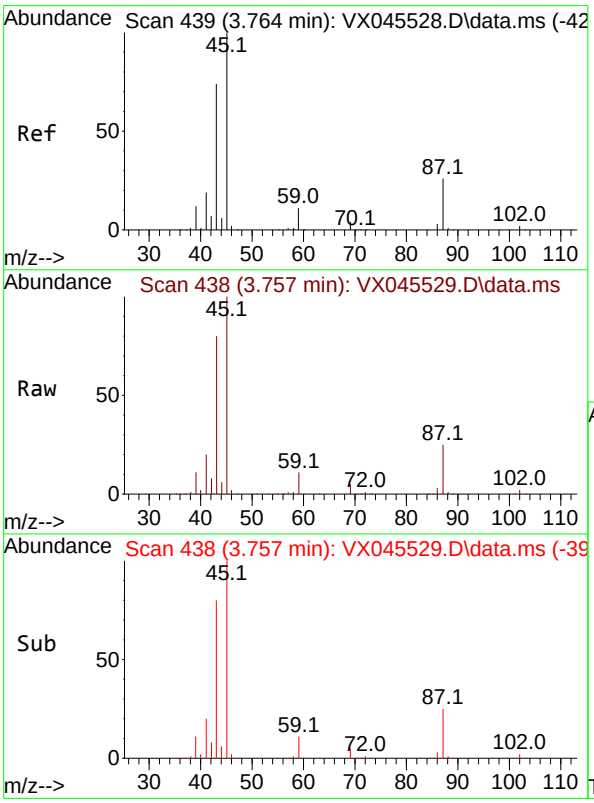
#21
trans-1,2-Dichloroethene
Concen: 101.220 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 106896

Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.0	181.6
98	63.7	49.7	74.5

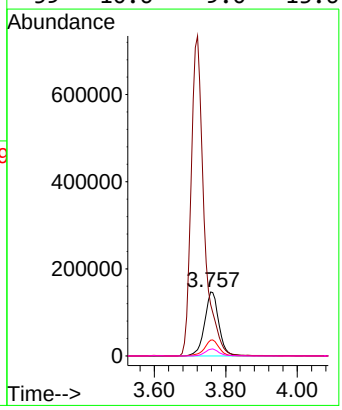


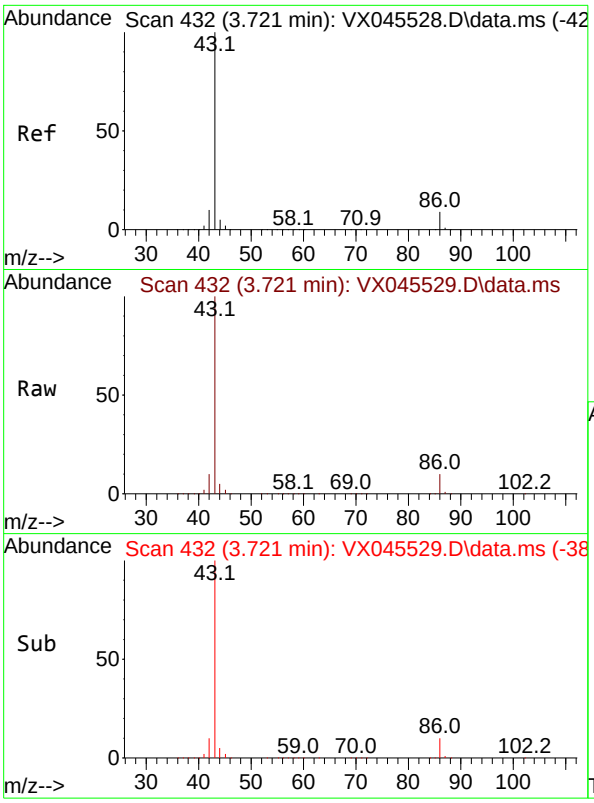


#22
Diisopropyl ether
Concen: 105.132 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 45 Resp: 406185

Ion	Ratio	Lower	Upper
45	100		
43	80.1	59.3	88.9
87	24.7	20.4	30.6
59	10.6	9.0	13.6



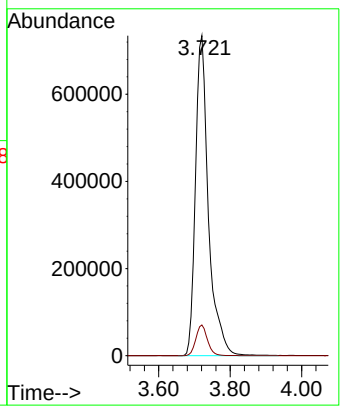


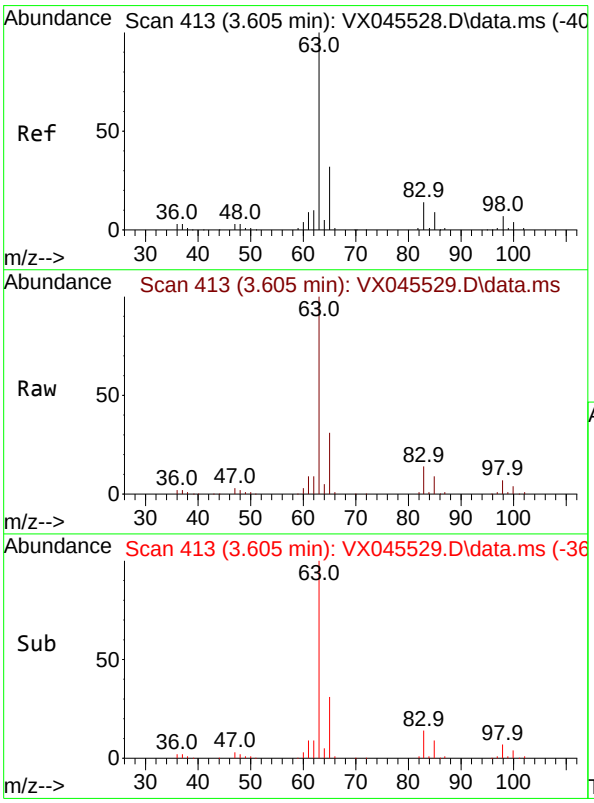
#23
Vinyl Acetate
Concen: 553.853 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1848817

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

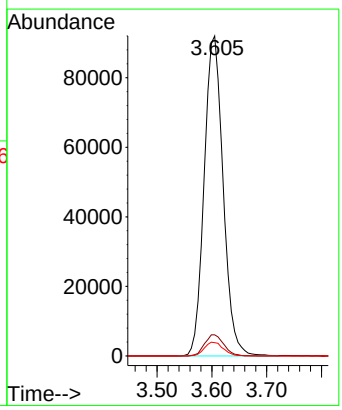


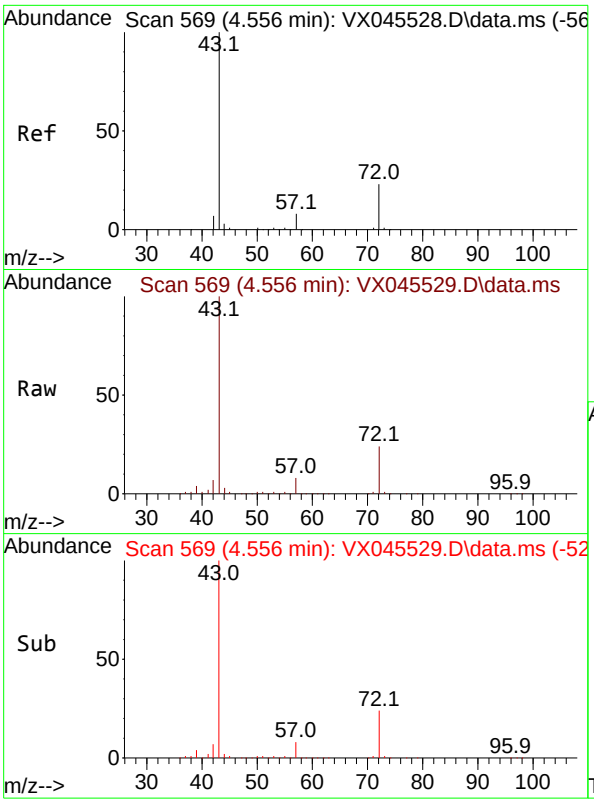


#24
1,1-Dichloroethane
Concen: 101.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 220934

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.2	2.2	6.6



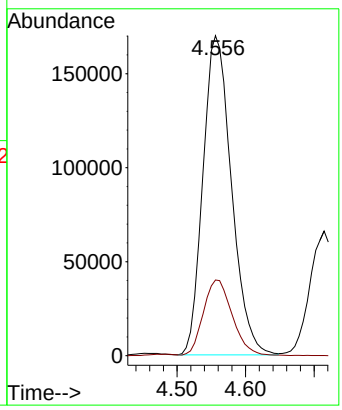


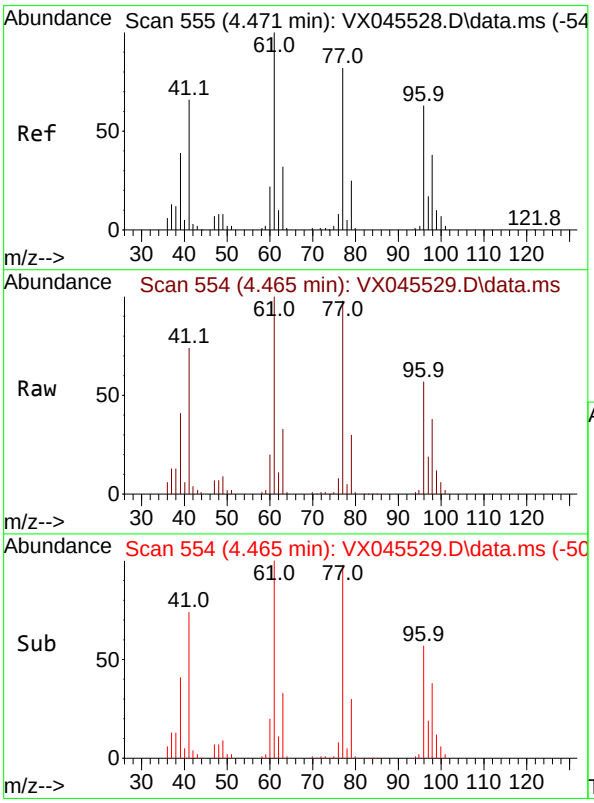
#25
2-Butanone
Concen: 519.018 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 491249

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0

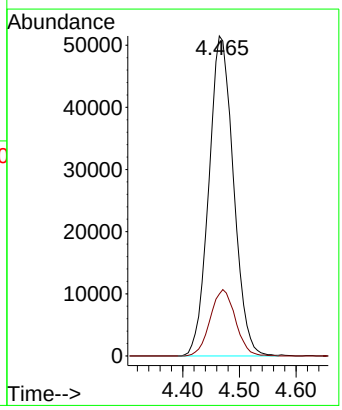


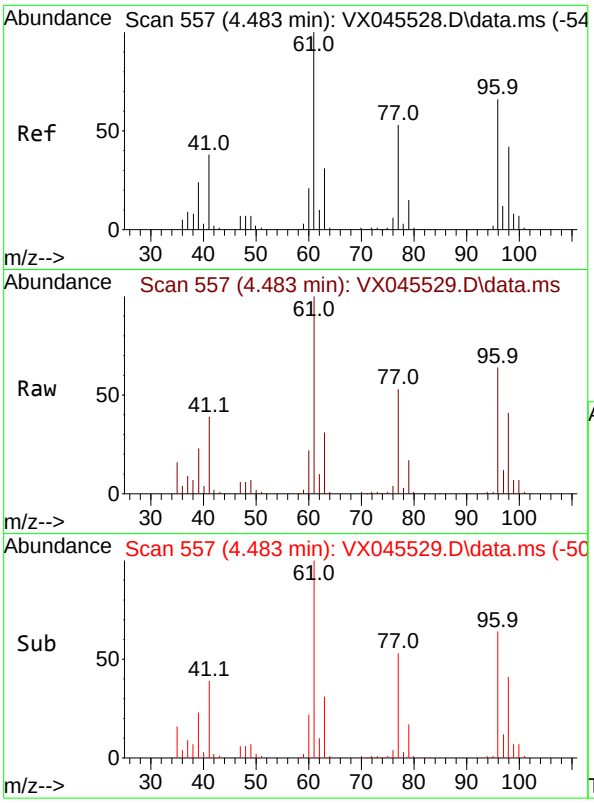


#26
2,2-Dichloropropane
Concen: 110.215 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 77 Resp: 155592

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



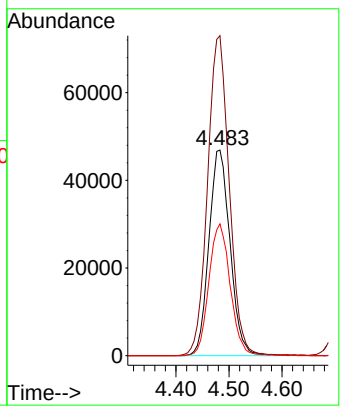


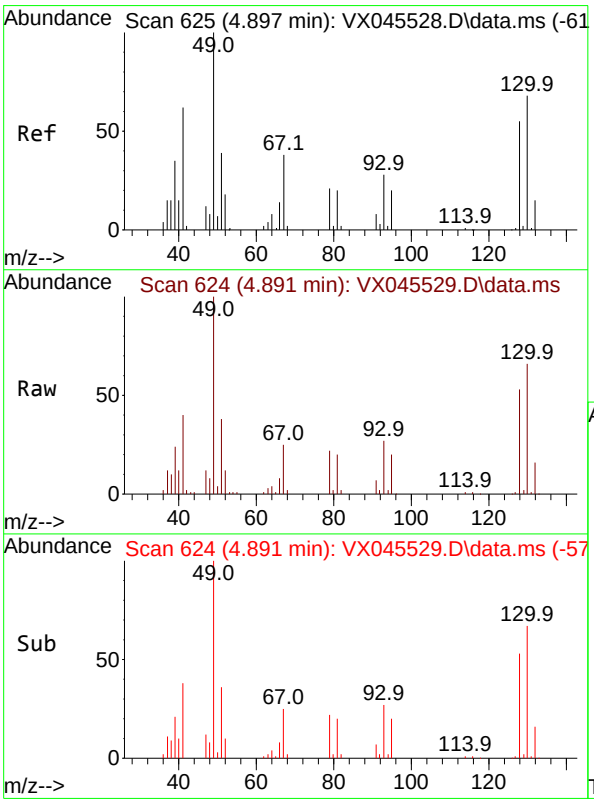
#27
cis-1,2-Dichloroethene
Concen: 100.871 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 129785

Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	313.2
98	64.7	0.0	126.4

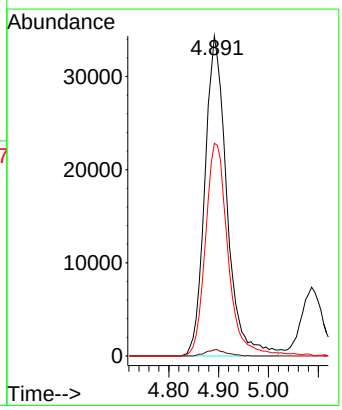


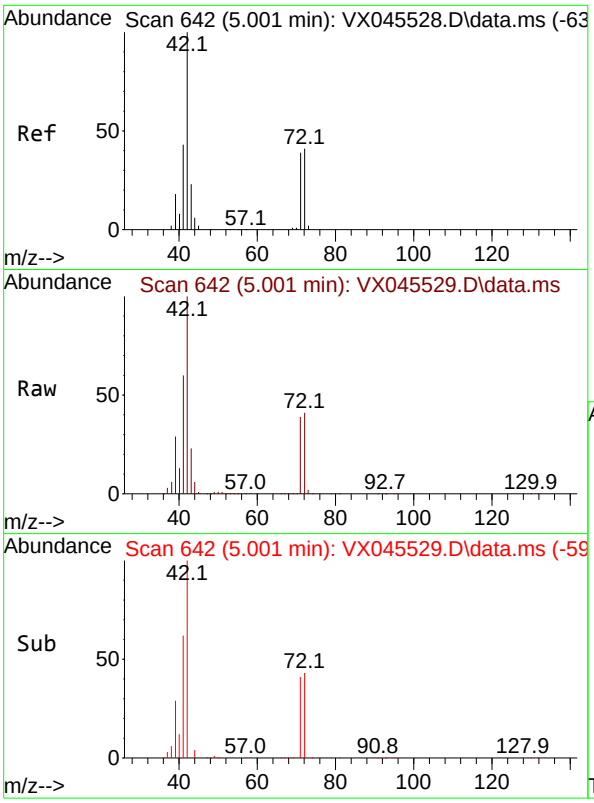


#28
Bromochloromethane
Concen: 99.530 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 49 Resp: 105093

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.4	54.6	81.8



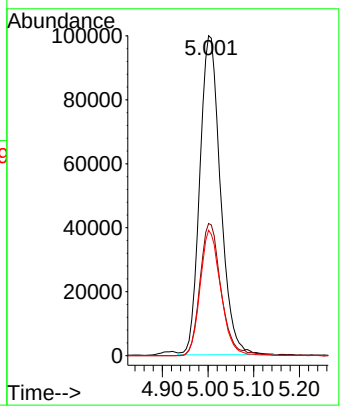


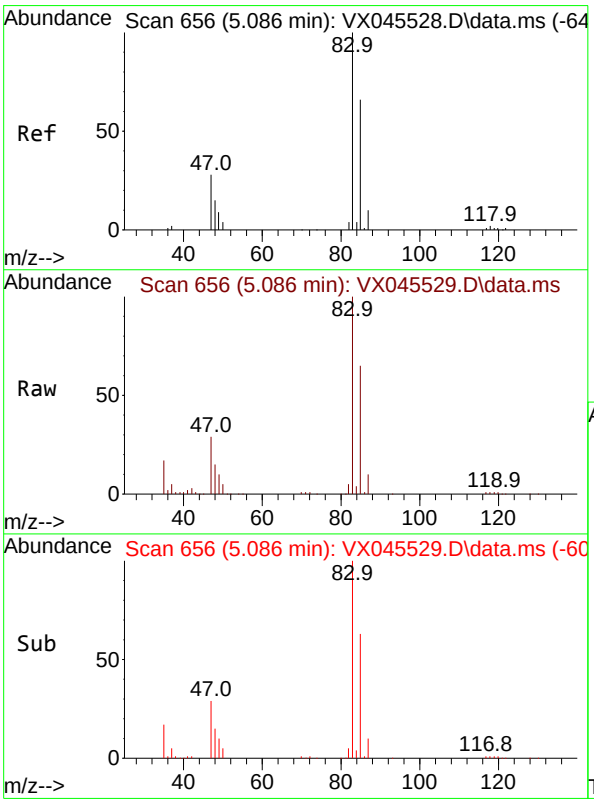
#29
Tetrahydrofuran
Concen: 510.264 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 313121

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.1	31.4	47.0

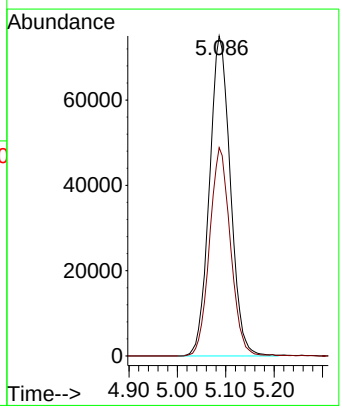


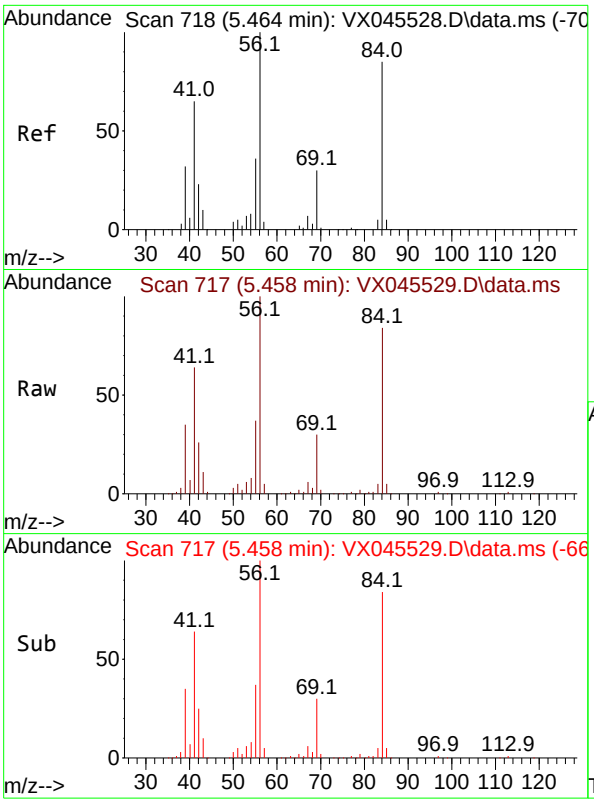


#30
Chloroform
Concen: 100.255 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 225402

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2



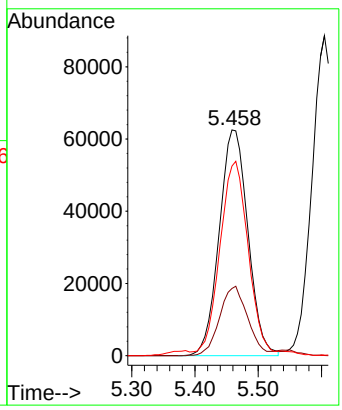


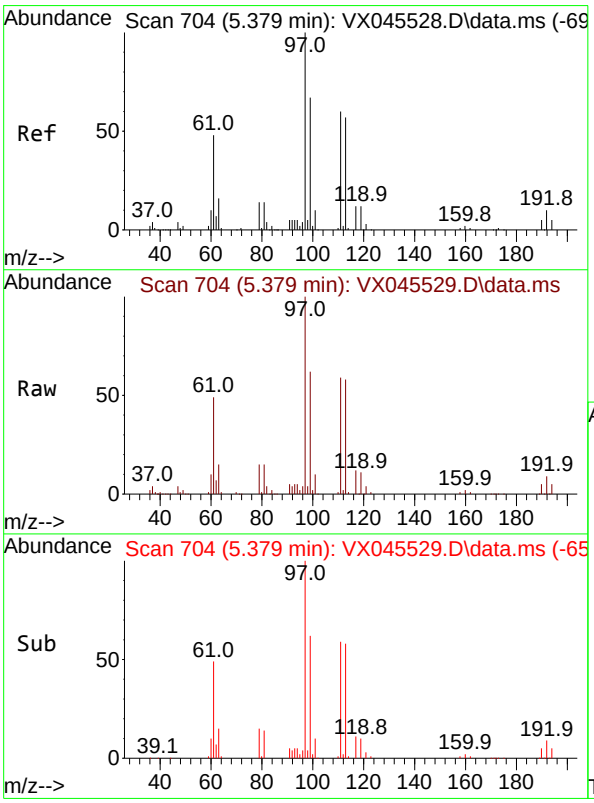
#31
Cyclohexane
Concen: 102.056 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 197136

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	82.1	67.7	101.5

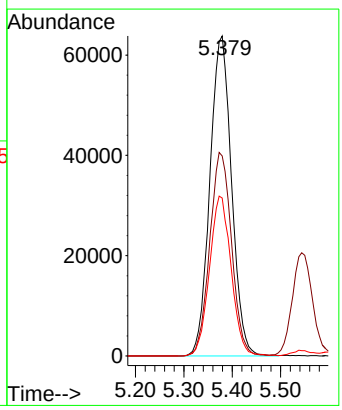


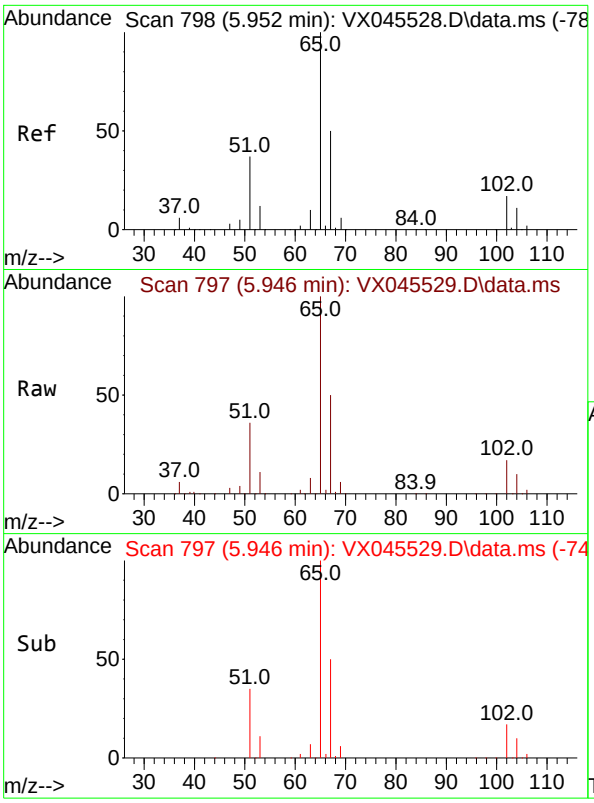


#32
1,1,1-Trichloroethane
Concen: 104.346 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 97 Resp: 198511

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	50.2	41.0	61.4



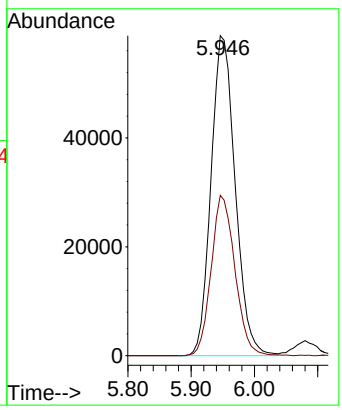


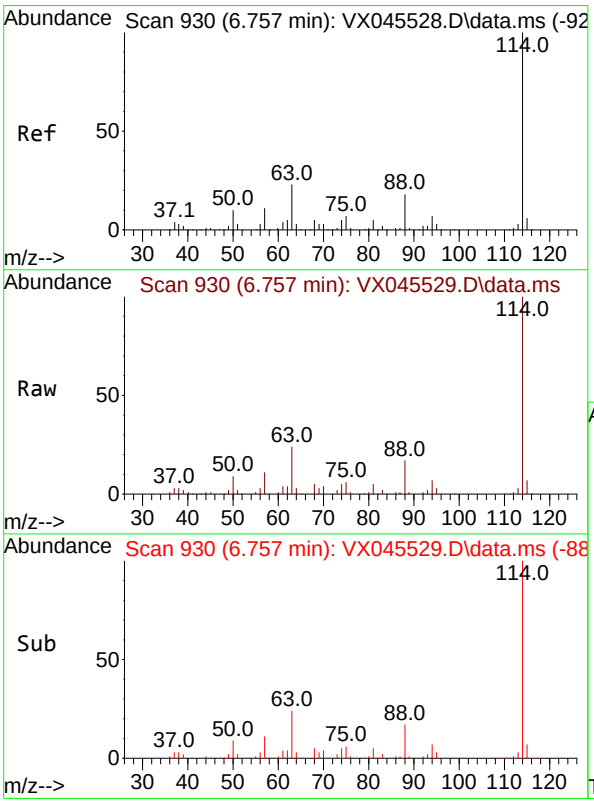
#33
1,2-Dichloroethane-d4
Concen: 98.914 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 155757

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0

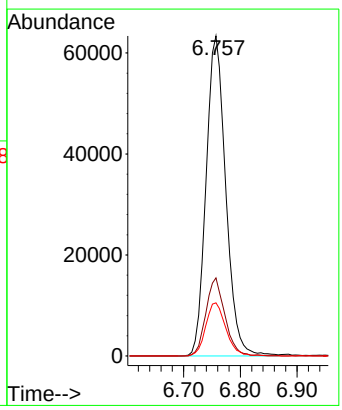


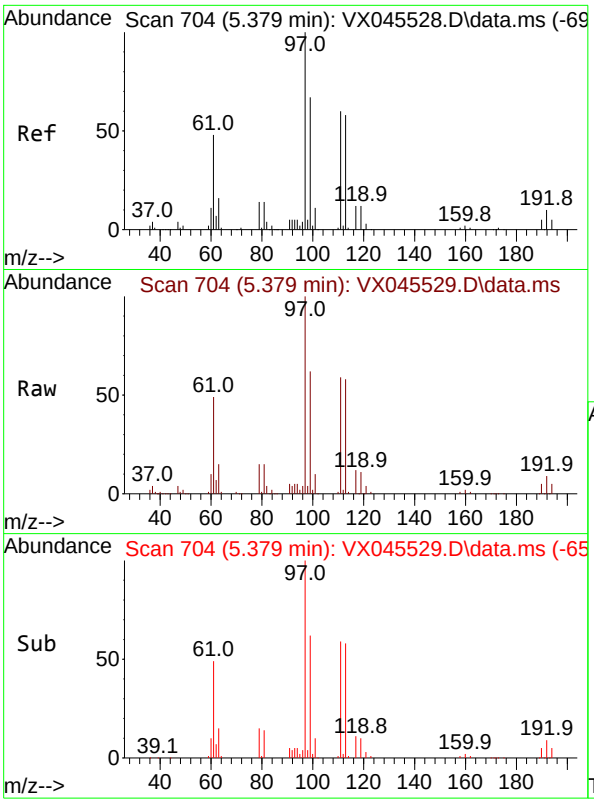


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:114 Resp: 152724

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.6	0.0	35.4



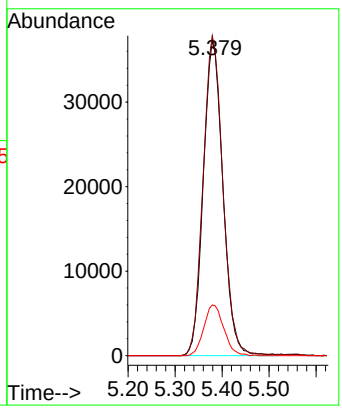


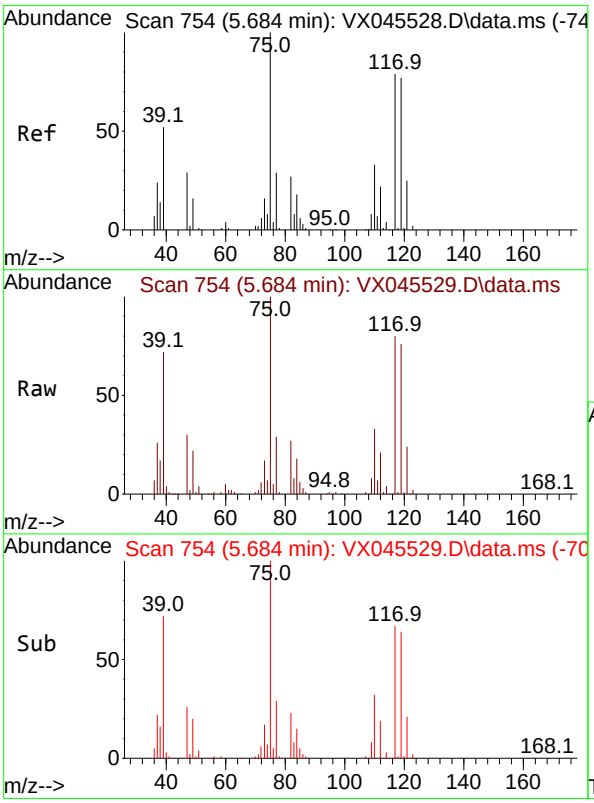
#35
Dibromofluoromethane
Concen: 99.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 107908

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.4	13.8	20.6

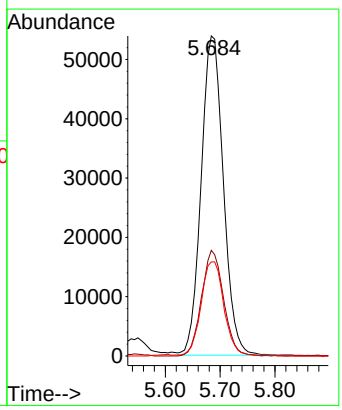


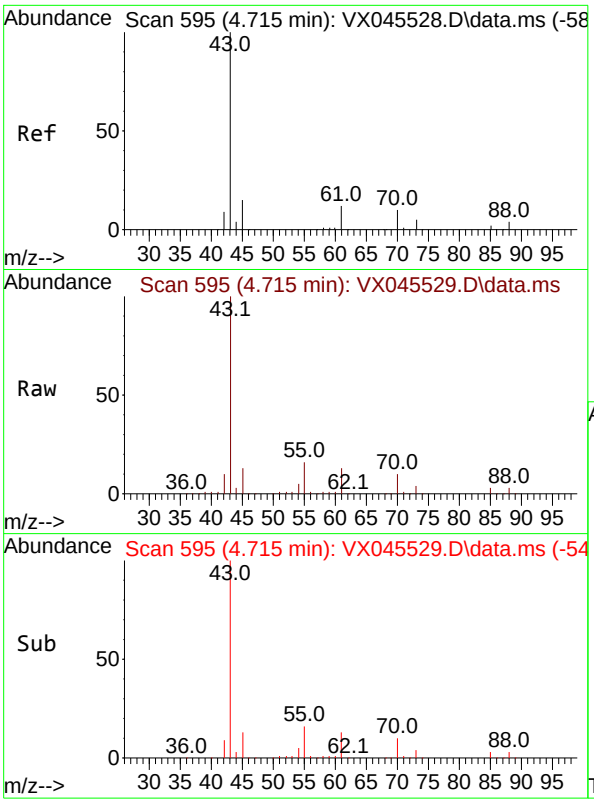


#36
1,1-Dichloropropene
Concen: 103.515 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 151448

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.4	25.0	37.4



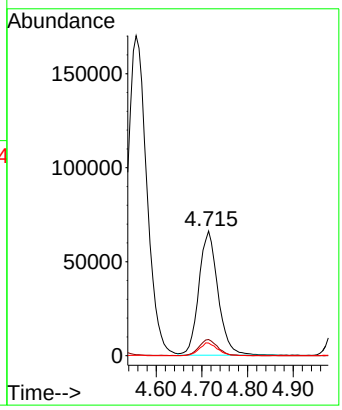


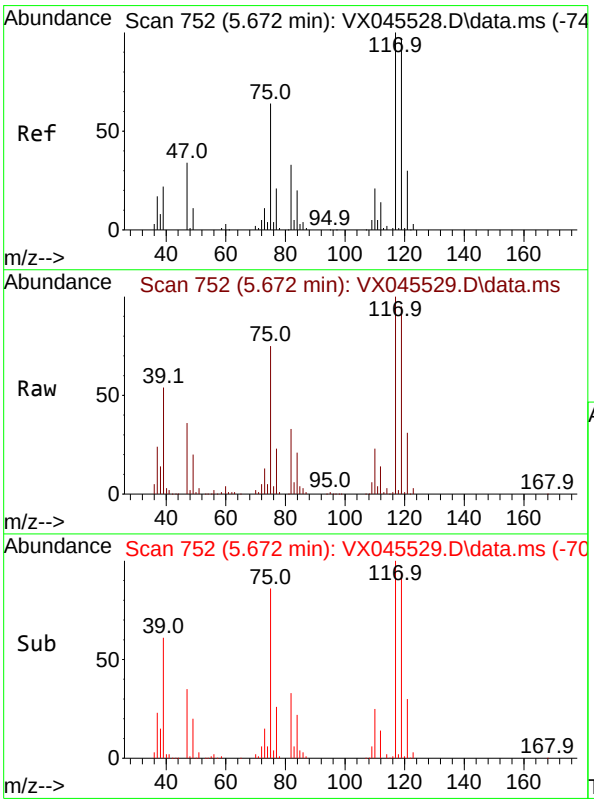
#37
Ethyl Acetate
Concen: 104.207 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 192130

Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.8	7.5	11.3

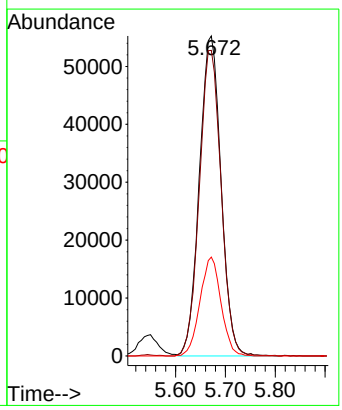


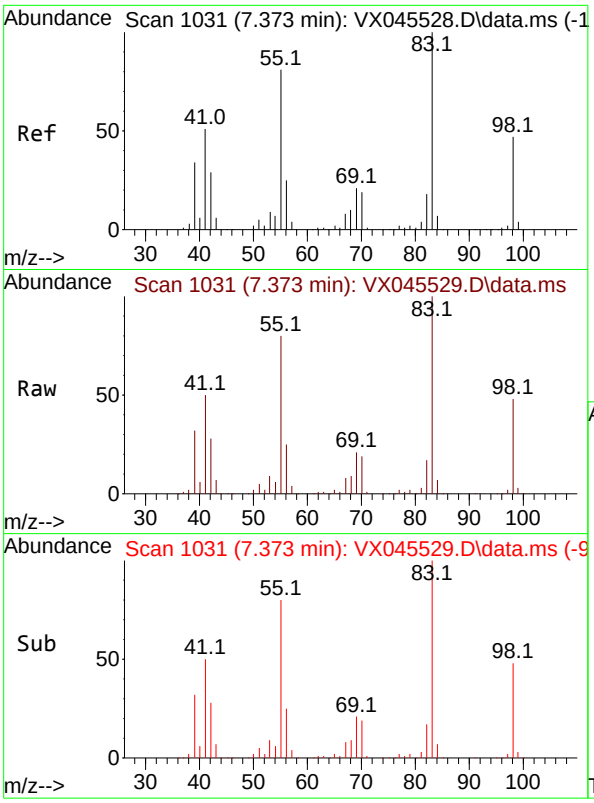


#38
Carbon Tetrachloride
Concen: 105.278 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 166465

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.9	24.2	36.2



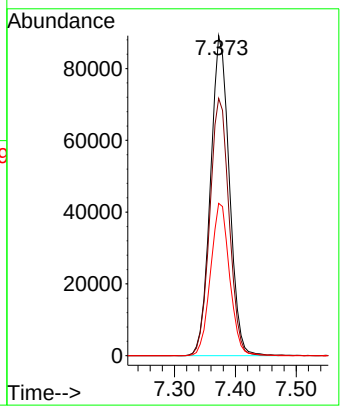


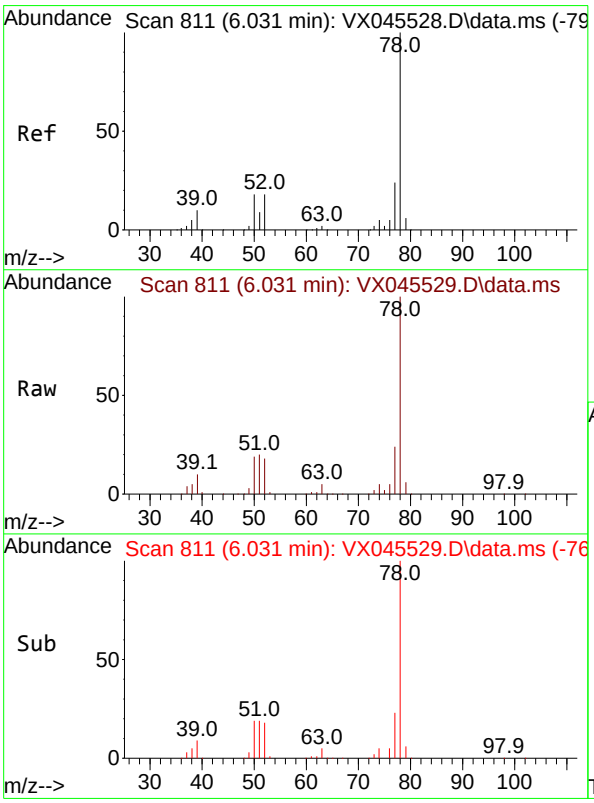
#39
Methylcyclohexane
Concen: 106.921 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191752

Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.9	97.3
98	47.6	37.4	56.0

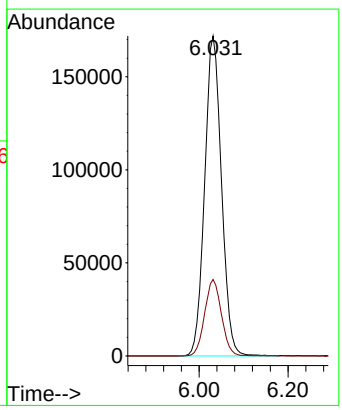


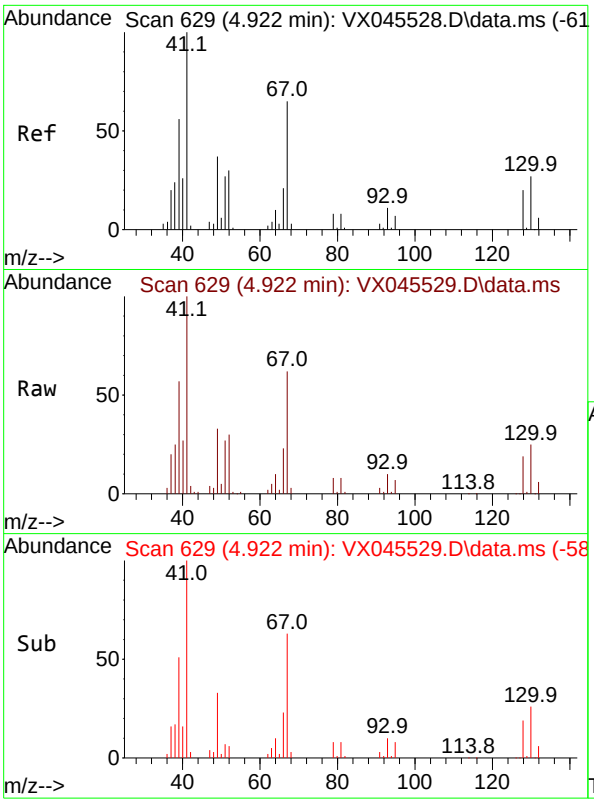


#40
Benzene
Concen: 101.369 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 78 Resp: 452946

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6



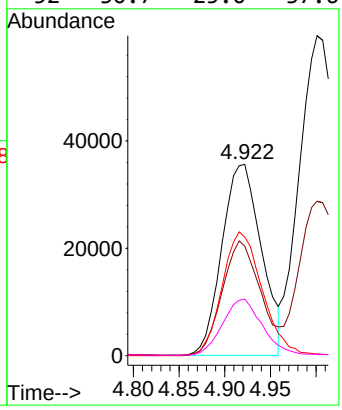


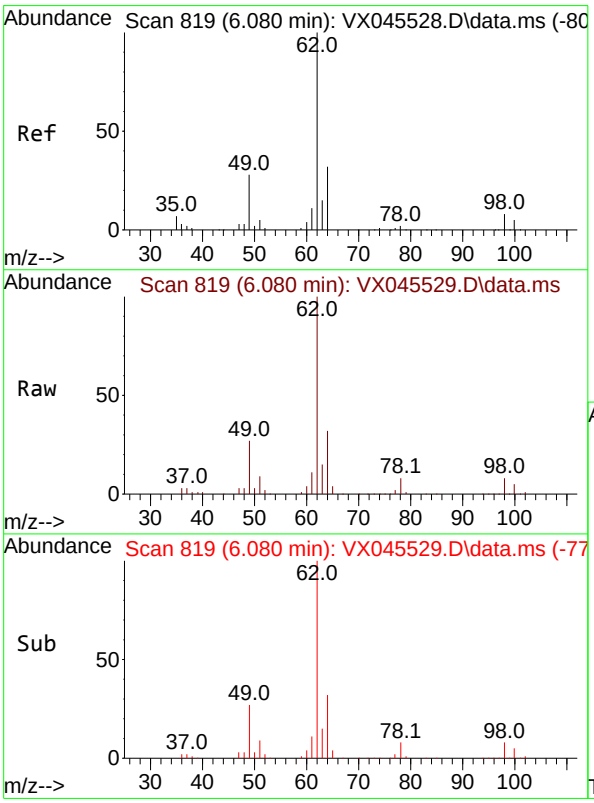
#41
Methacrylonitrile
Concen: 109.068 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 107037

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.0	70.6
67	66.2	53.2	79.8
52	30.7	25.0	37.6

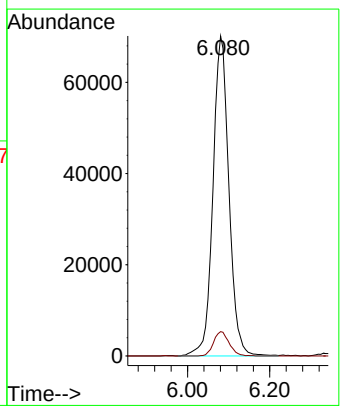


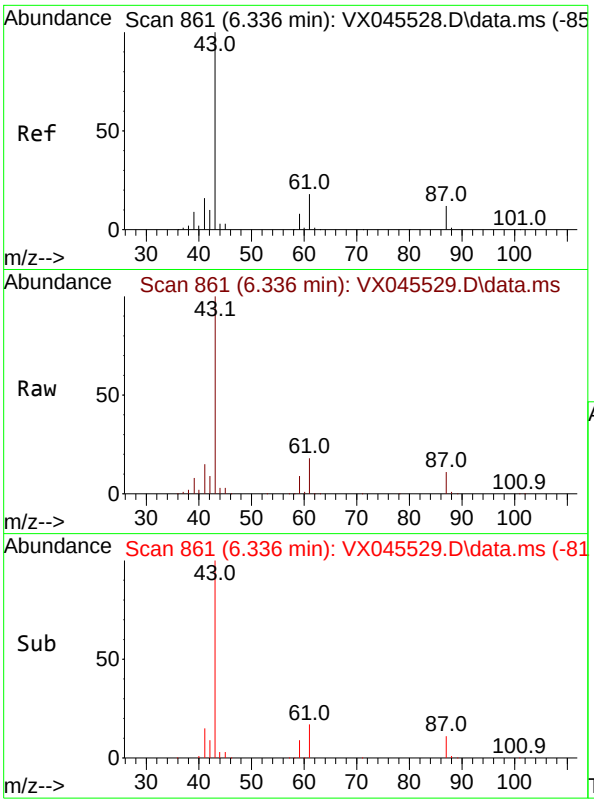


#42
1,2-Dichloroethane
Concen: 102.696 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 189528

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



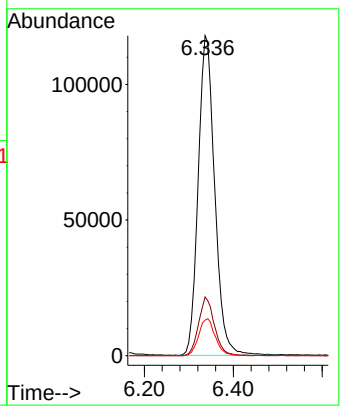


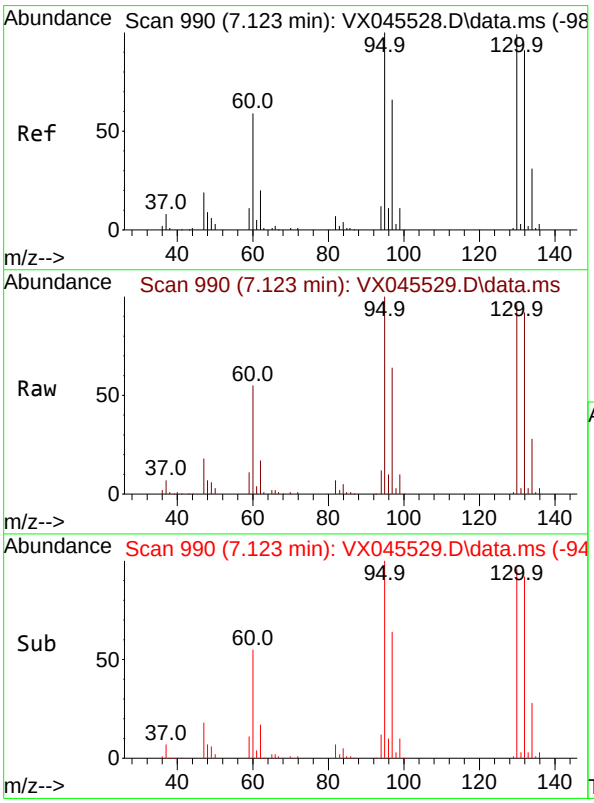
#43
Isopropyl Acetate
Concen: 109.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 305974

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.6	9.2	13.8

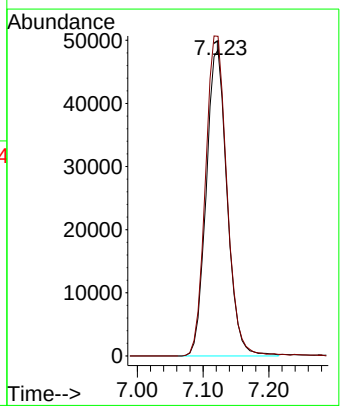


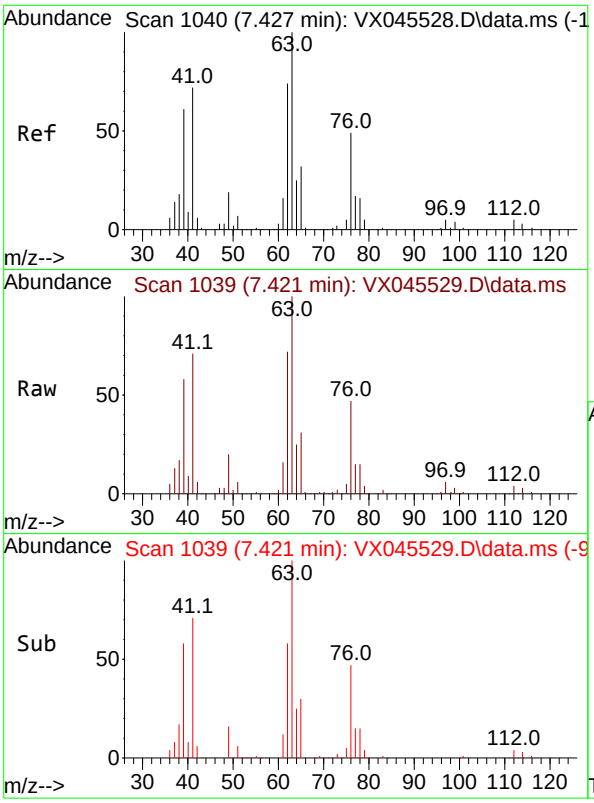


#44
Trichloroethene
Concen: 101.062 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:130 Resp: 107332

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0



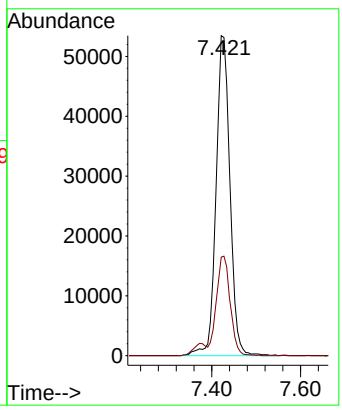


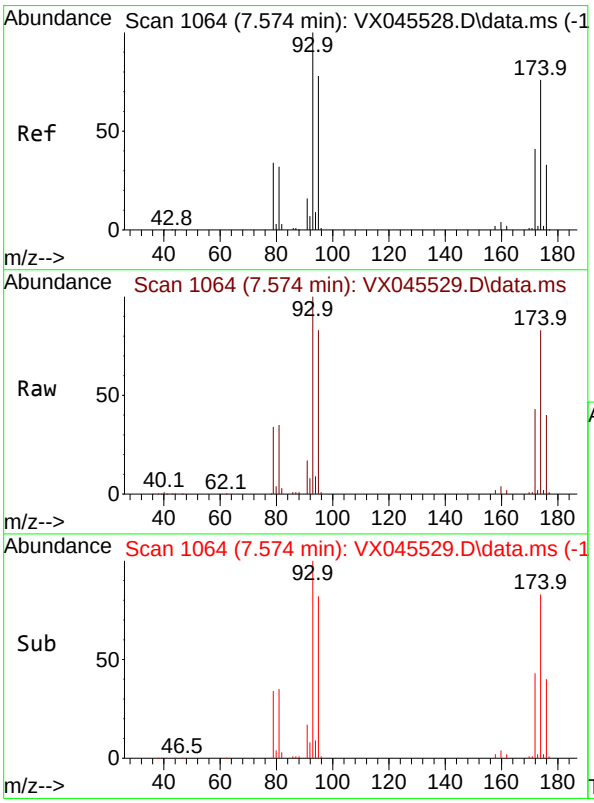
#45
1,2-Dichloropropane
Concen: 103.806 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 115731

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.8	38.6

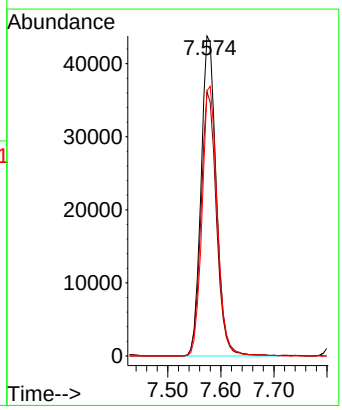


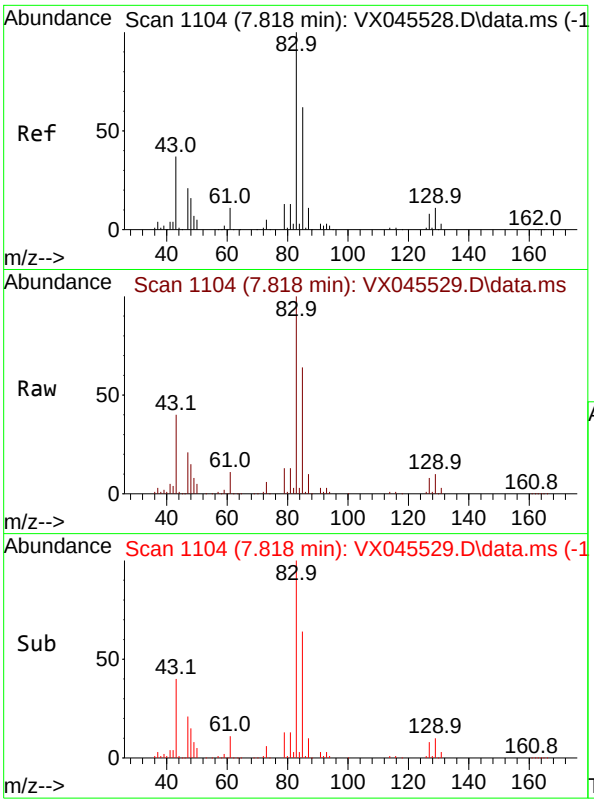


#46
Dibromomethane
Concen: 102.101 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 93 Resp: 87381

Ion	Ratio	Lower	Upper
93	100		
95	83.4	64.8	97.2
174	84.4	65.4	98.0



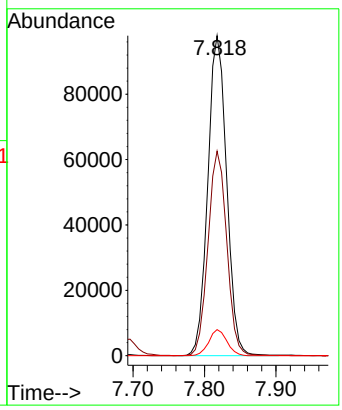


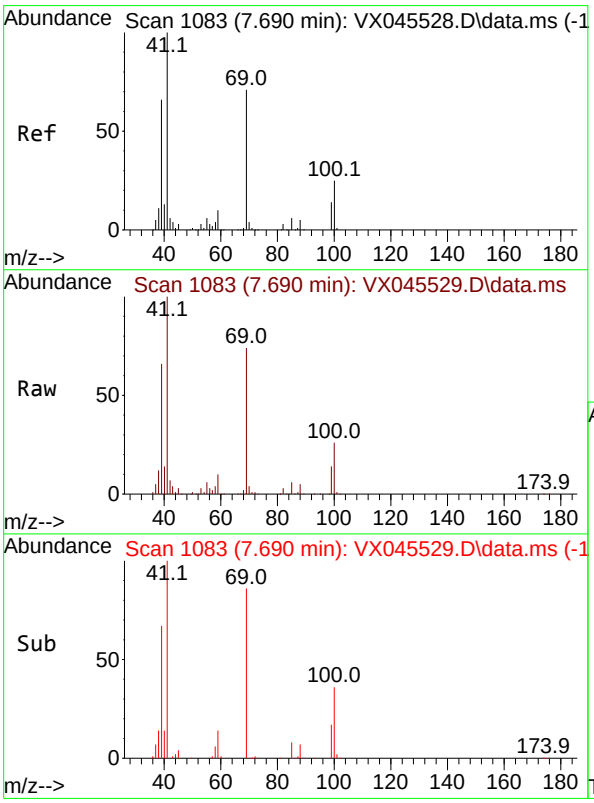
#47
Bromodichloromethane
Concen: 104.886 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 179265

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	8.2	6.1	9.1

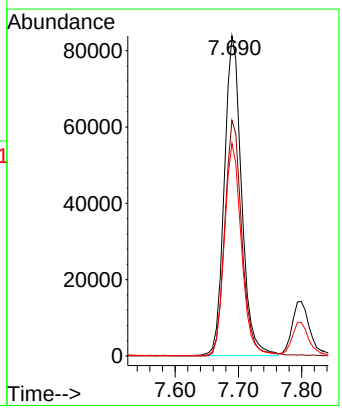


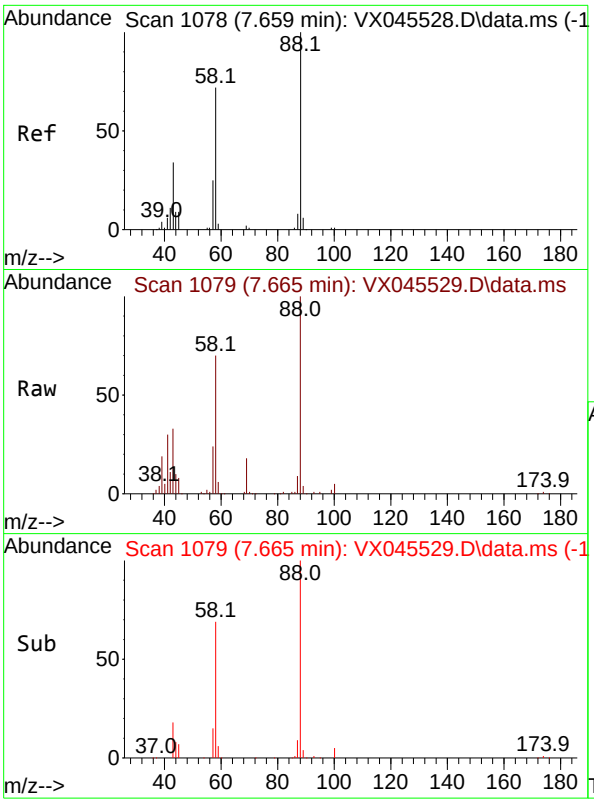


#48
Methyl methacrylate
Concen: 109.675 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 158241

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.2	87.2
39	65.9	53.6	80.4



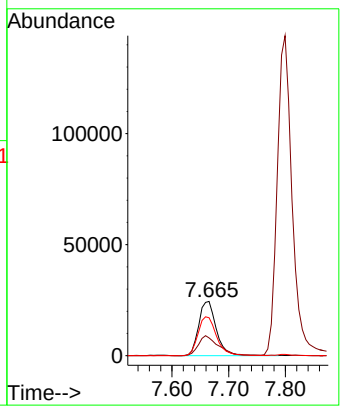


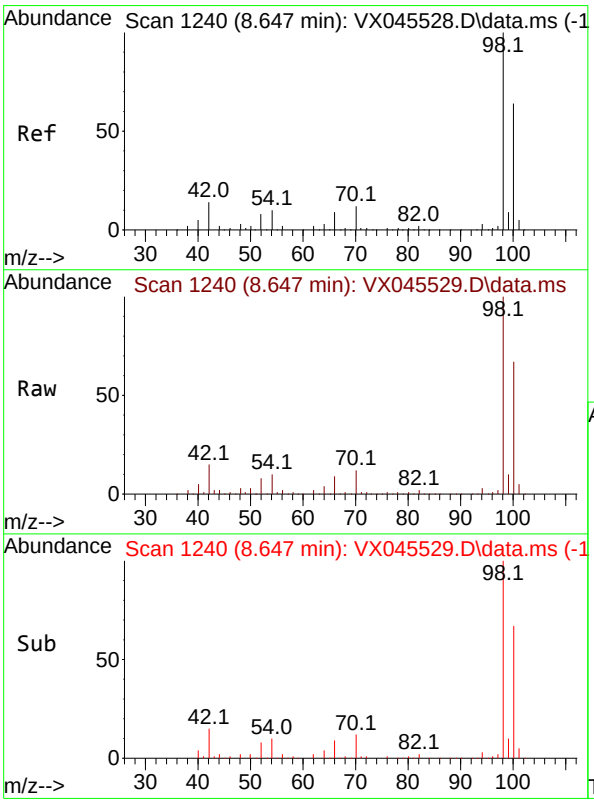
#49
1,4-Dioxane
Concen: 2015.906 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 52624

Ion	Ratio	Lower	Upper
88	100		
43	42.4	32.2	48.4
58	75.5	58.6	88.0

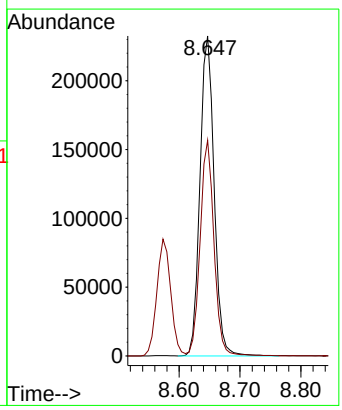


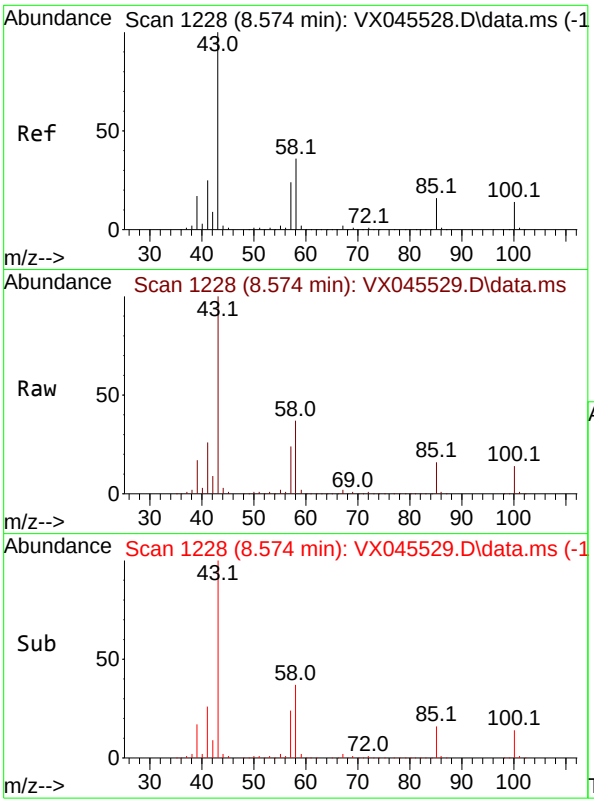


#50
Toluene-d8
Concen: 99.309 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 98 Resp: 375599

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



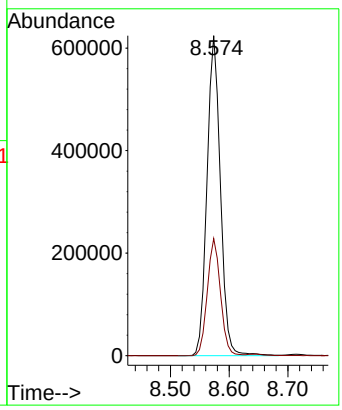


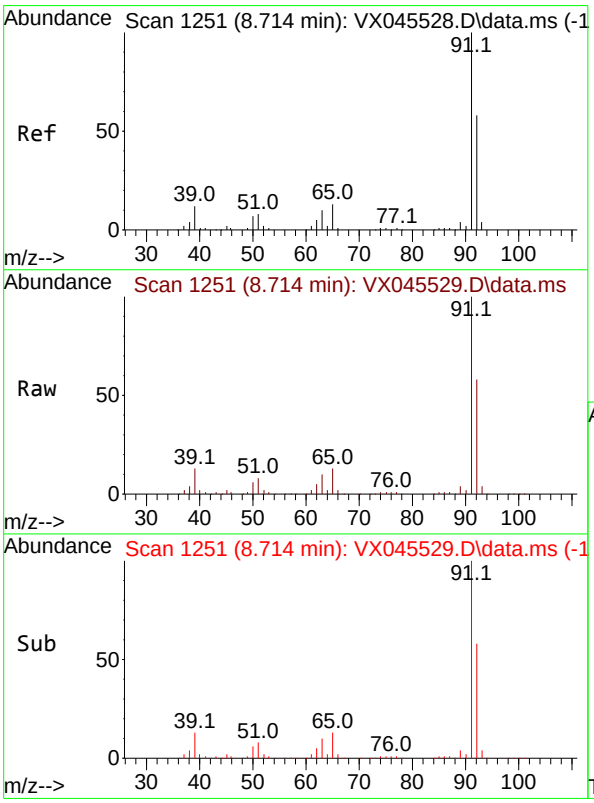
#51
4-Methyl-2-Pentanone
Concen: 533.814 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 988881

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.5	42.7

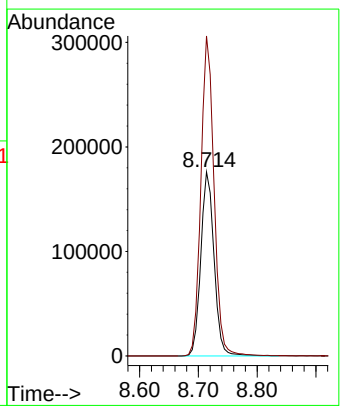


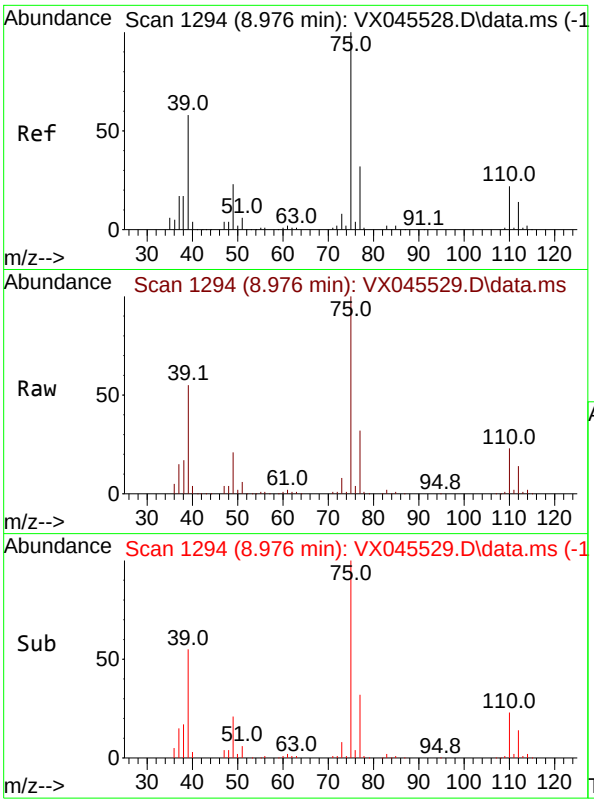


#52
Toluene
Concen: 102.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 92 Resp: 276323

Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.7	208.1



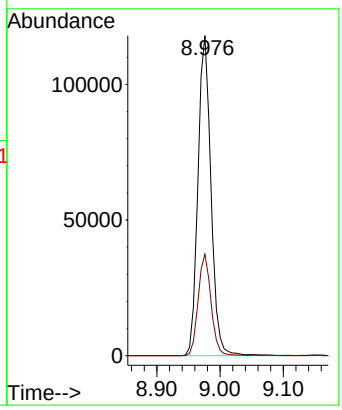


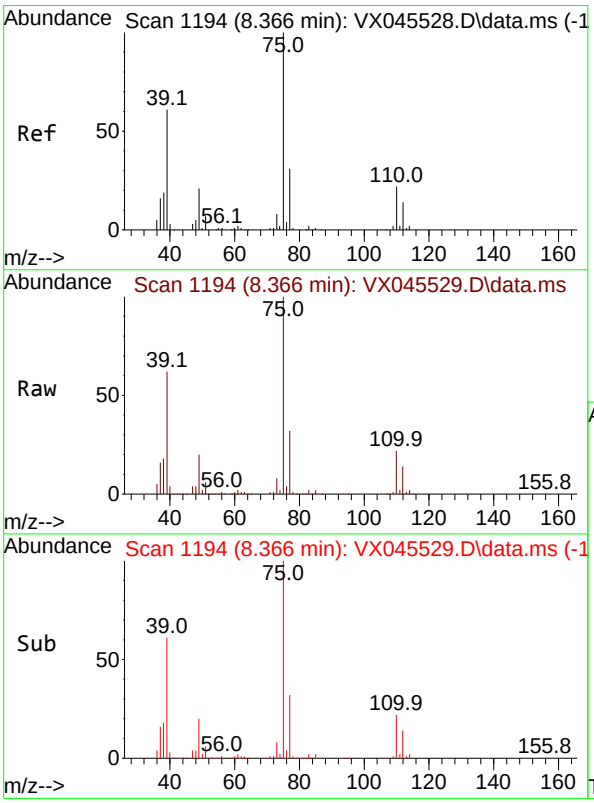
#53
t-1,3-Dichloropropene
Concen: 100.645 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 169413

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

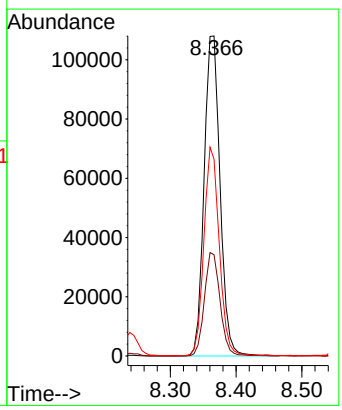


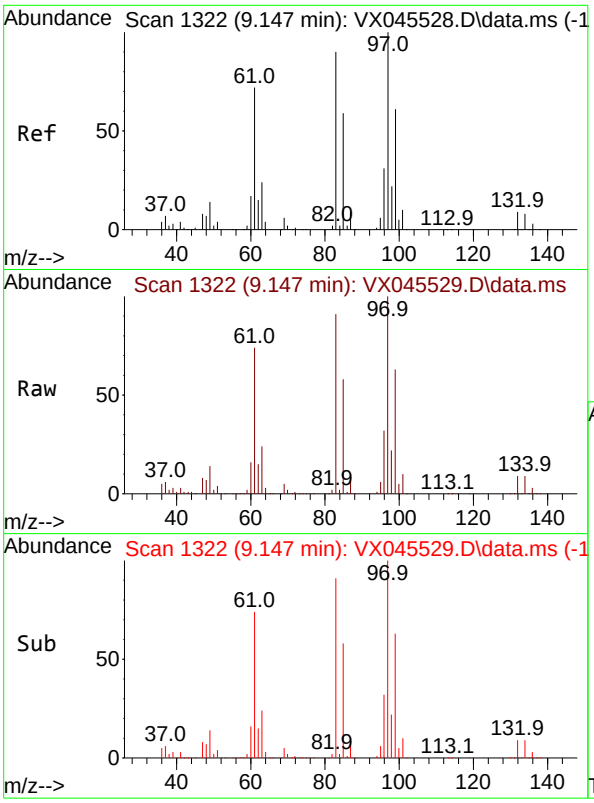


#54
cis-1,3-Dichloropropene
Concen: 113.521 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 182328

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	61.4	48.4	72.6



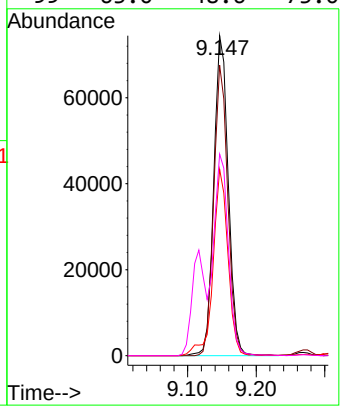


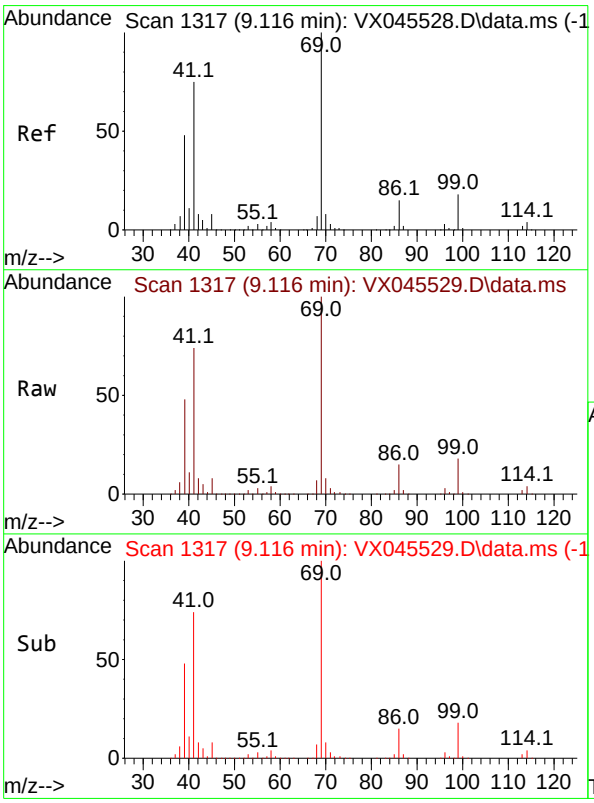
#55
1,1,2-Trichloroethane
Concen: 101.361 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 109208

Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.8	107.8
85	58.2	47.0	70.6
99	63.0	48.6	73.0

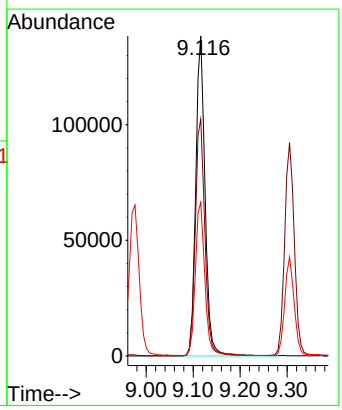


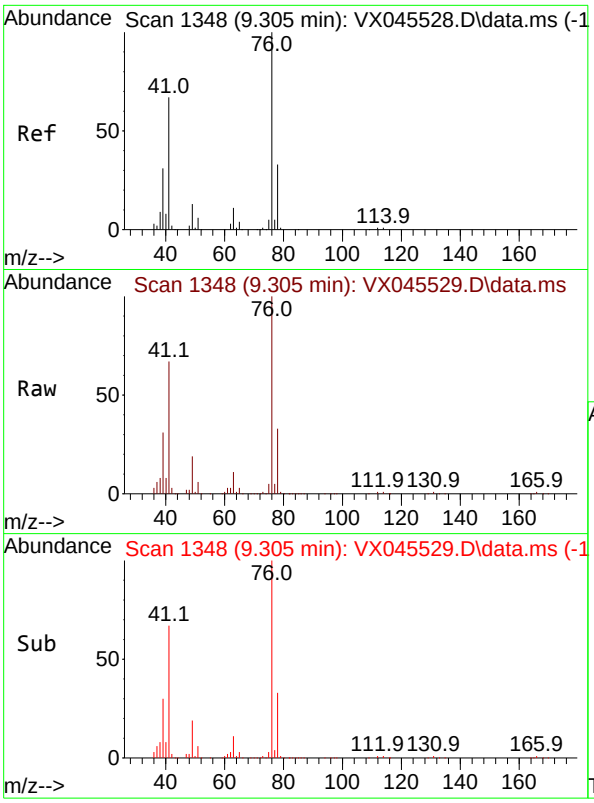


#56
Ethyl methacrylate
Concen: 115.168 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 69 Resp: 192034

Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.3	91.9
39	49.0	40.2	60.2



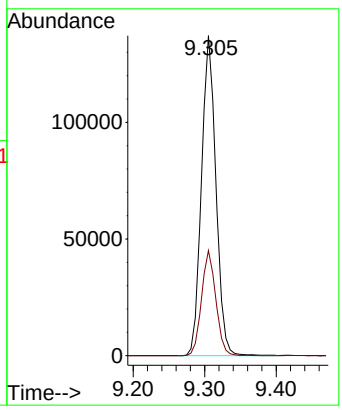


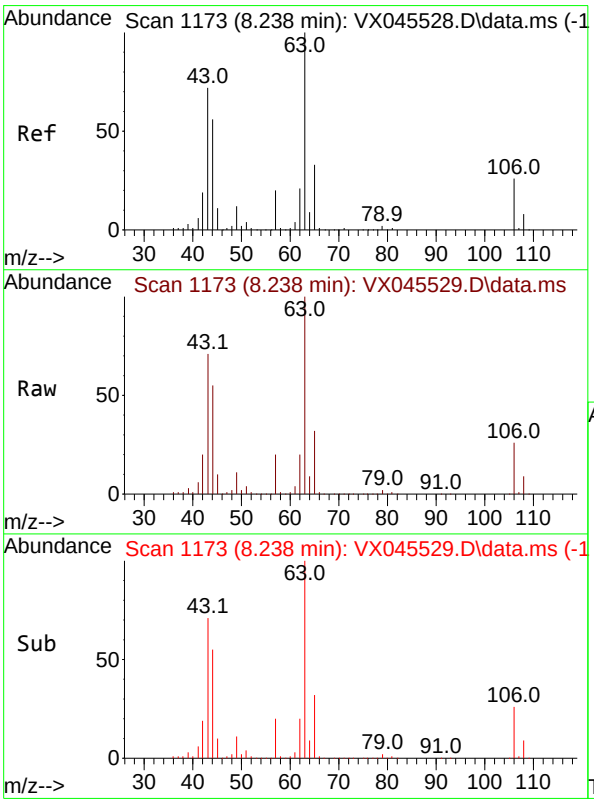
#57
1,3-Dichloropropane
Concen: 102.588 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 192473

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

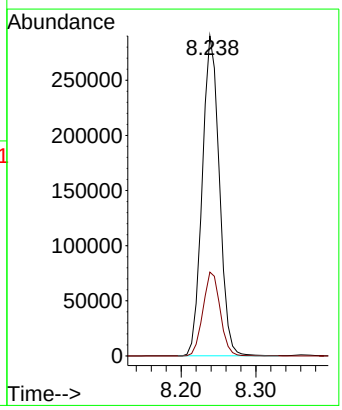


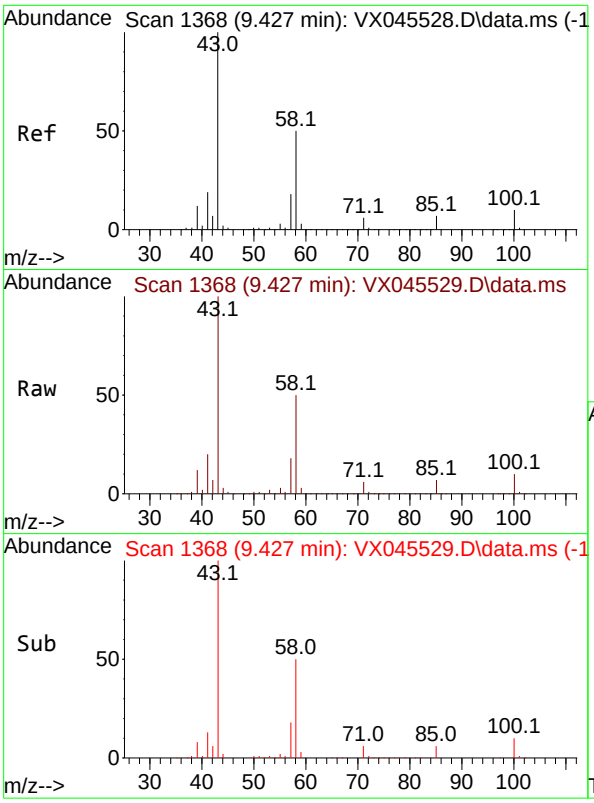


#58
2-Chloroethyl Vinyl ether
Concen: 545.696 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 460297

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.6



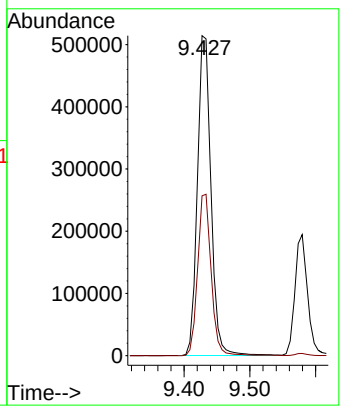


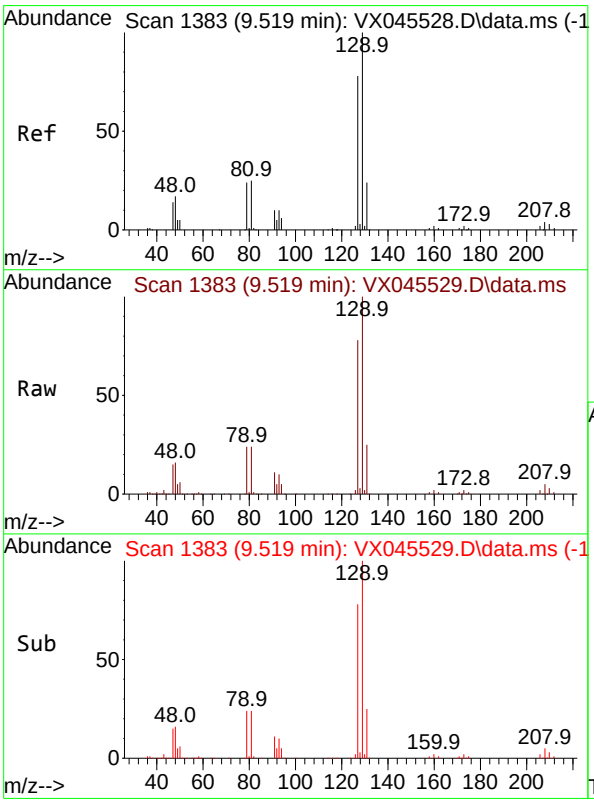
#59
2-Hexanone
Concen: 538.538 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 738772

Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6

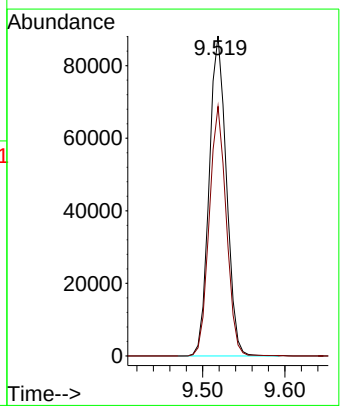


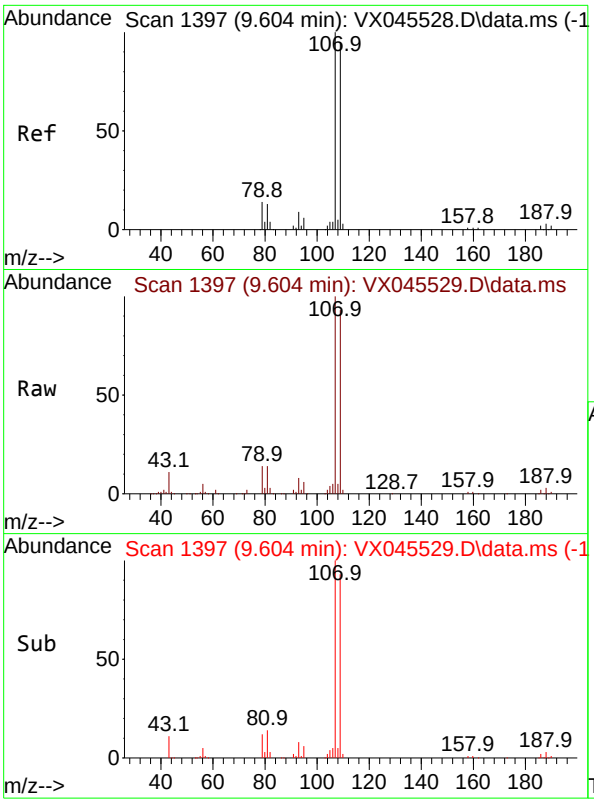


#60
Dibromochloromethane
Concen: 109.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:129 Resp: 128700

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.4	118.2



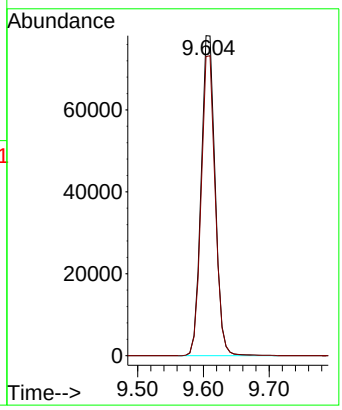


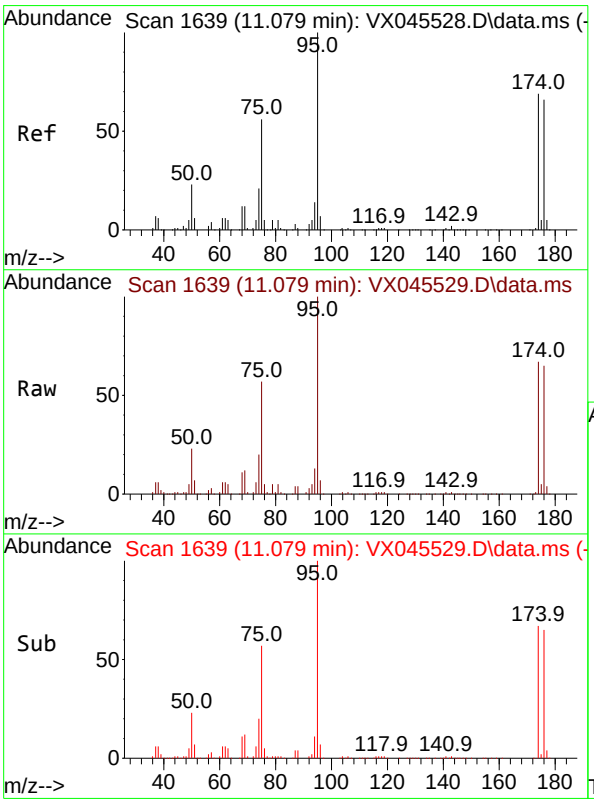
#61
1,2-Dibromoethane
Concen: 106.282 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 115919

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.7	113.5

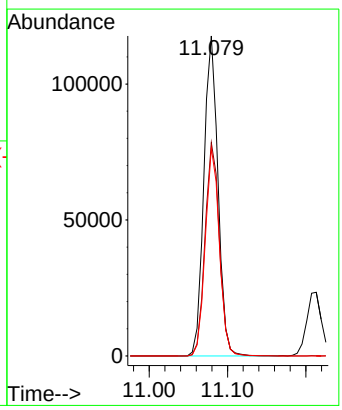


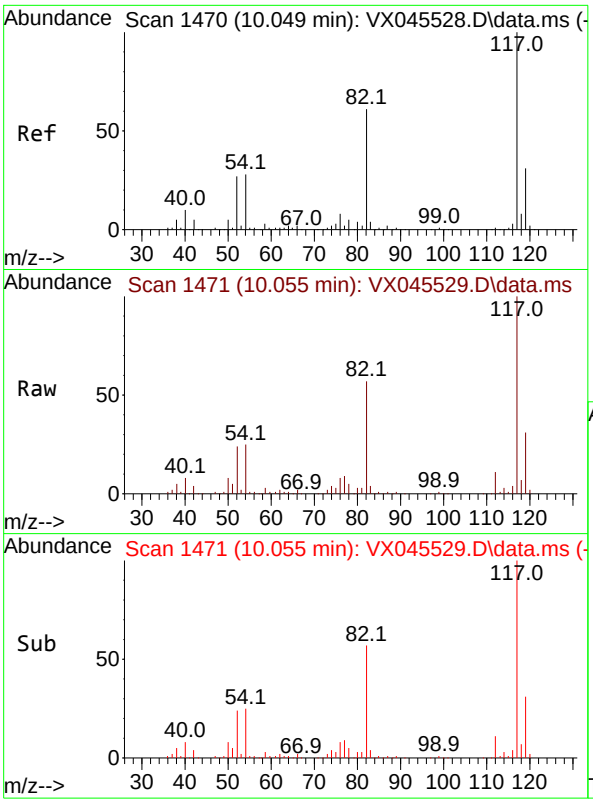


#62
4-Bromofluorobenzene
Concen: 106.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 95 Resp: 146944

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	64.7	0.0	131.4



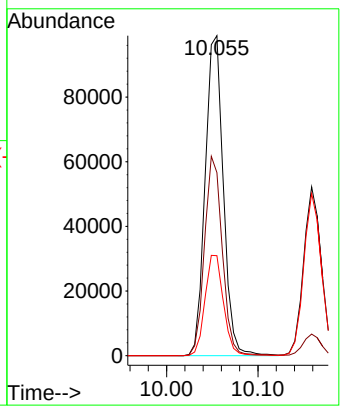


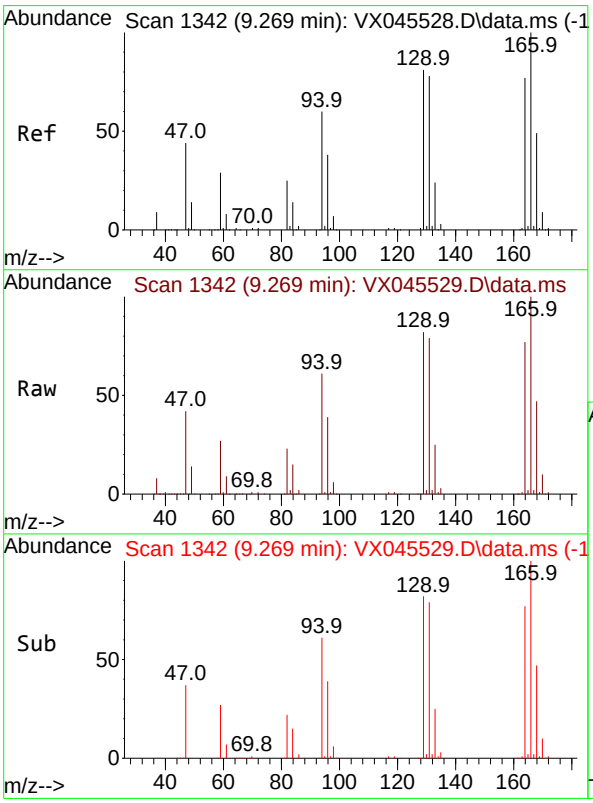
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 136369

Ion	Ratio	Lower	Upper
117	100		
82	57.2	49.2	73.8
119	31.2	25.1	37.7

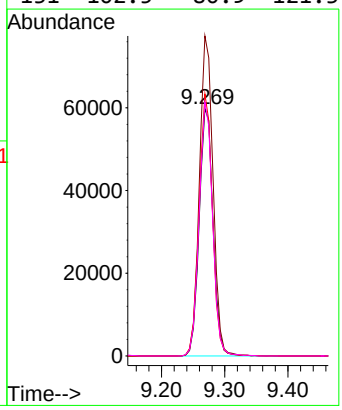


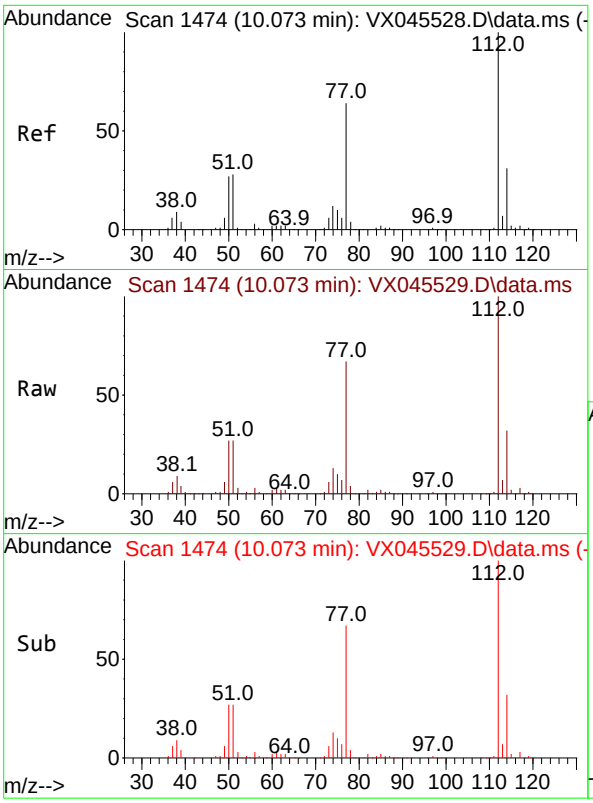


#64
Tetrachloroethene
Concen: 94.325 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:164 Resp: 90817

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.8
129	105.9	84.3	126.5
131	102.5	80.9	121.3



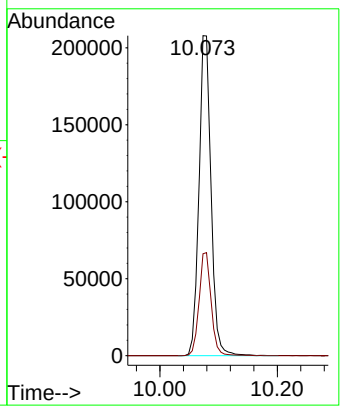


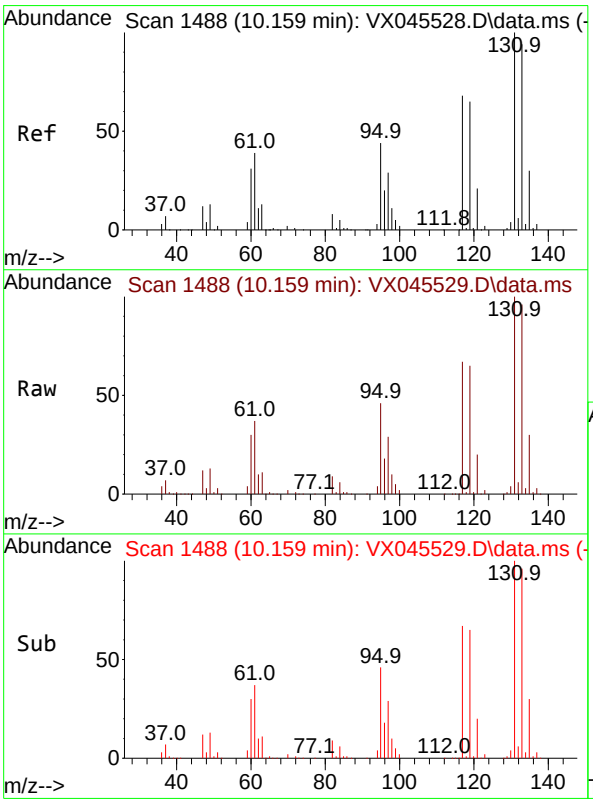
#65
Chlorobenzene
Concen: 101.682 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 296300

Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.7	37.1

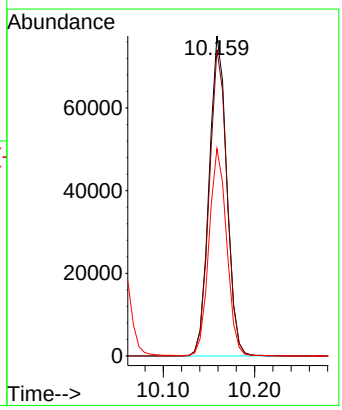


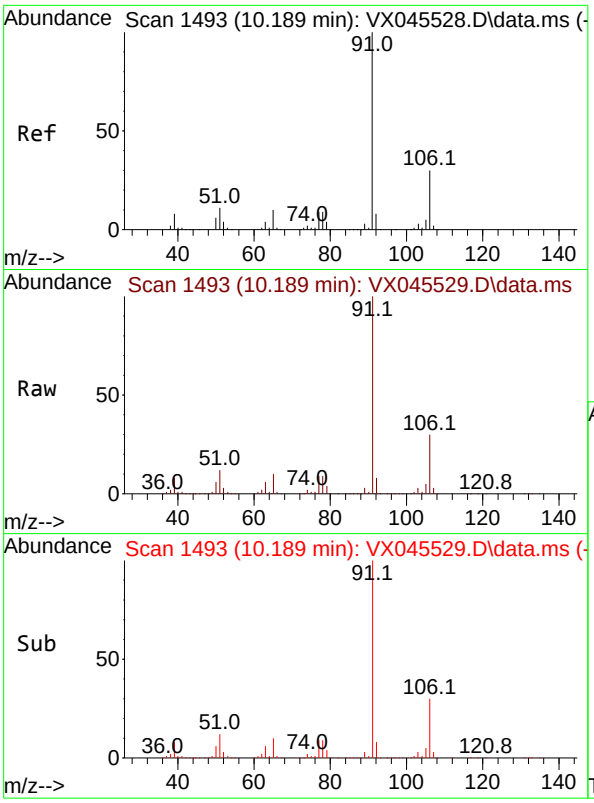


#66
1,1,1,2-Tetrachloroethane
Concen: 102.243 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:131 Resp: 103437

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.5
119	65.0	32.9	98.6



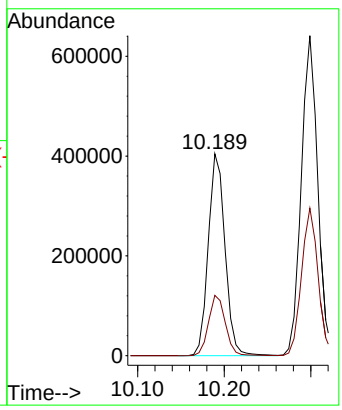


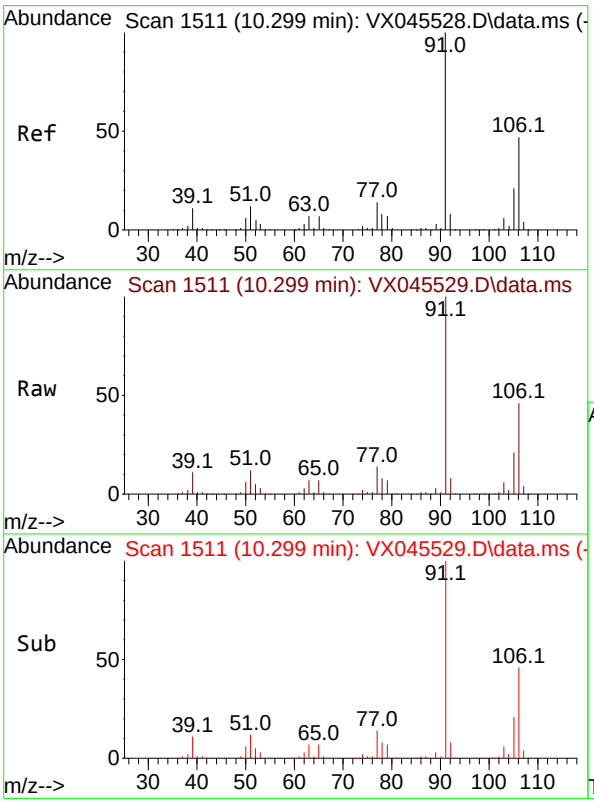
#67
Ethyl Benzene
Concen: 104.152 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 543568

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.7	35.5

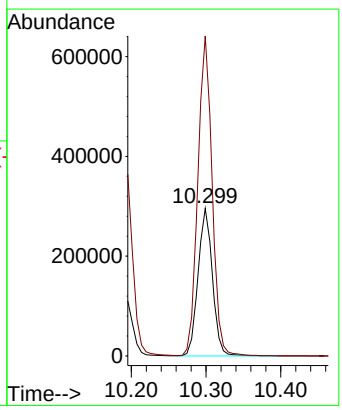


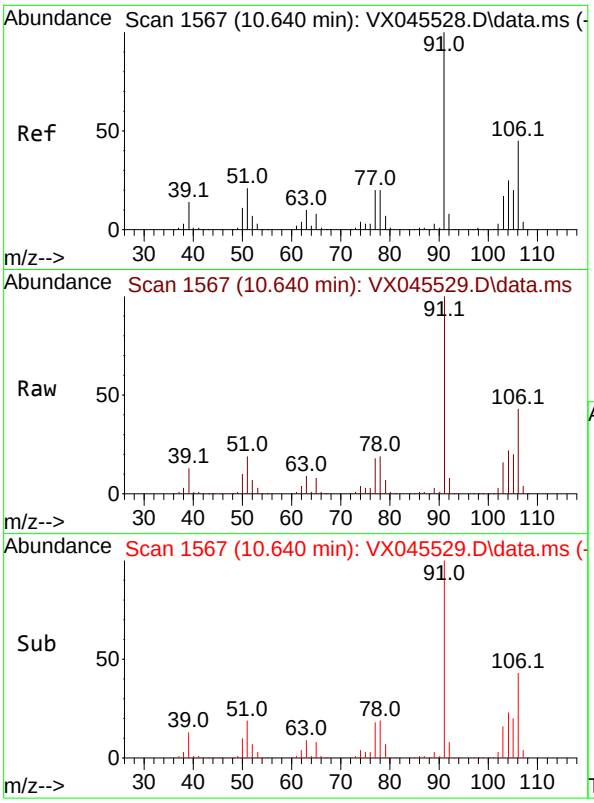


#68
m/p-Xylenes
Concen: 207.694 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 394241

Ion	Ratio	Lower	Upper
106	100		
91	216.1	172.6	258.8



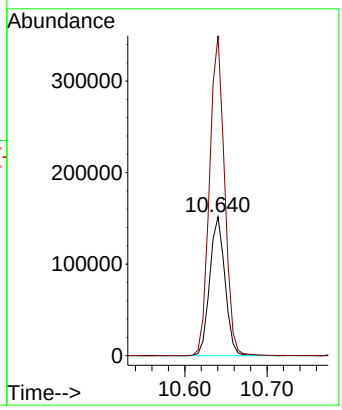


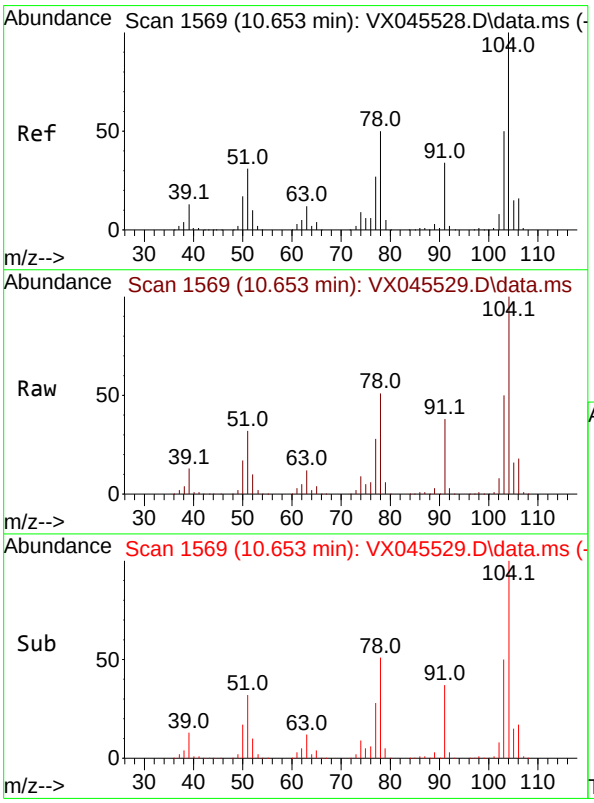
#69
o-Xylene
Concen: 104.487 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 195381

Ion	Ratio	Lower	Upper
106	100		
91	228.0	113.6	340.6

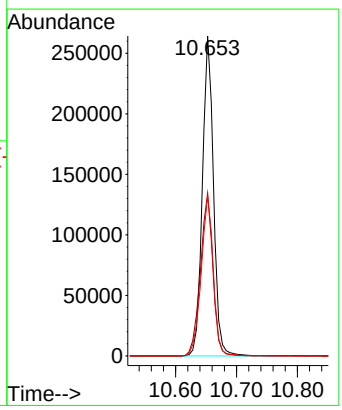


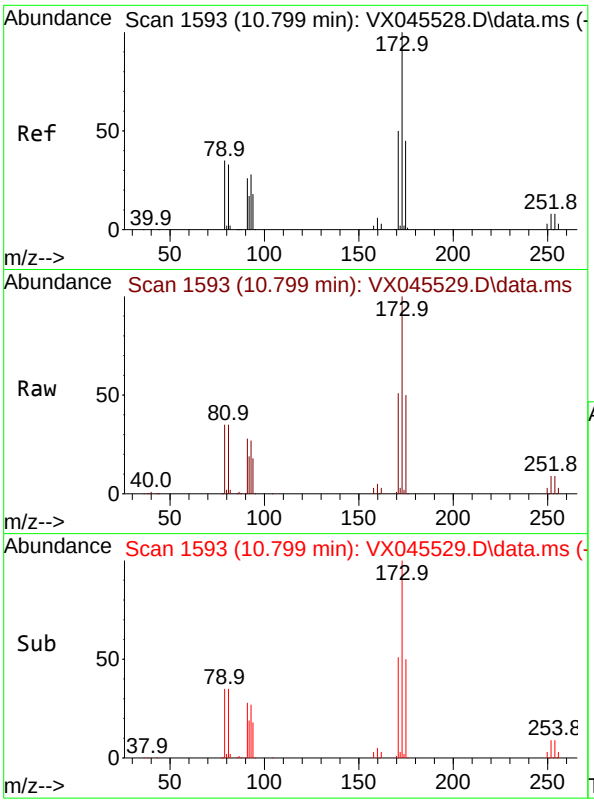


#70
Styrene
Concen: 108.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:104 Resp: 335333

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	54.7	43.8	65.8



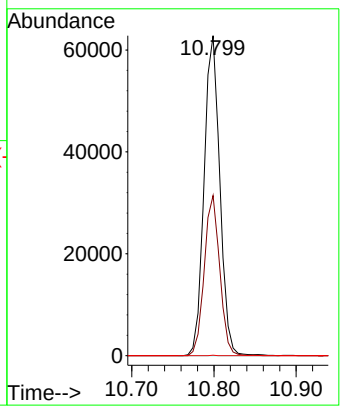


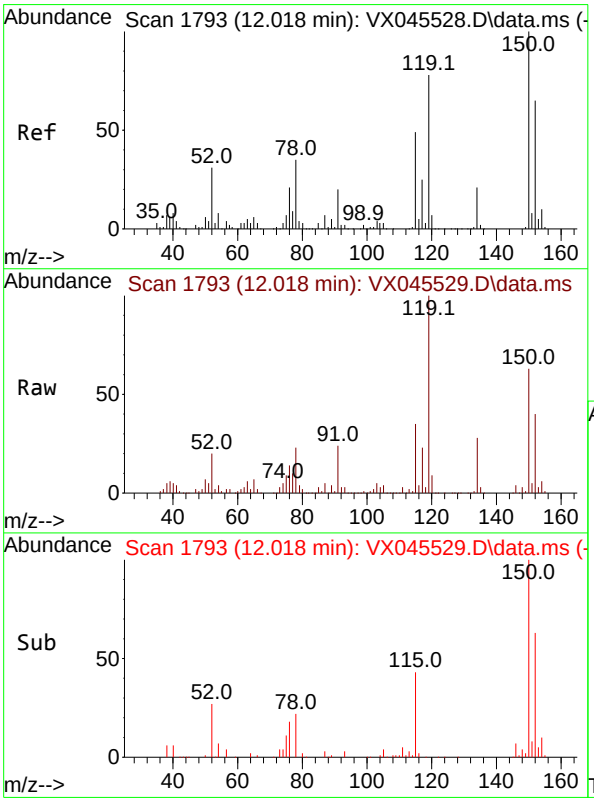
#71
Bromoform
Concen: 110.714 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 83632

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.4	70.2
254	0.0	0.0	0.0#

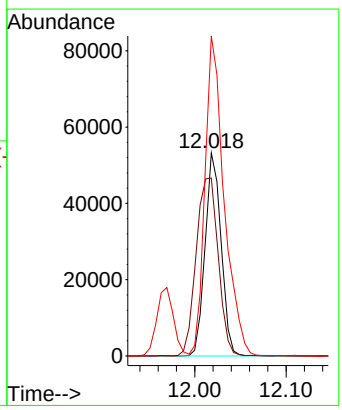


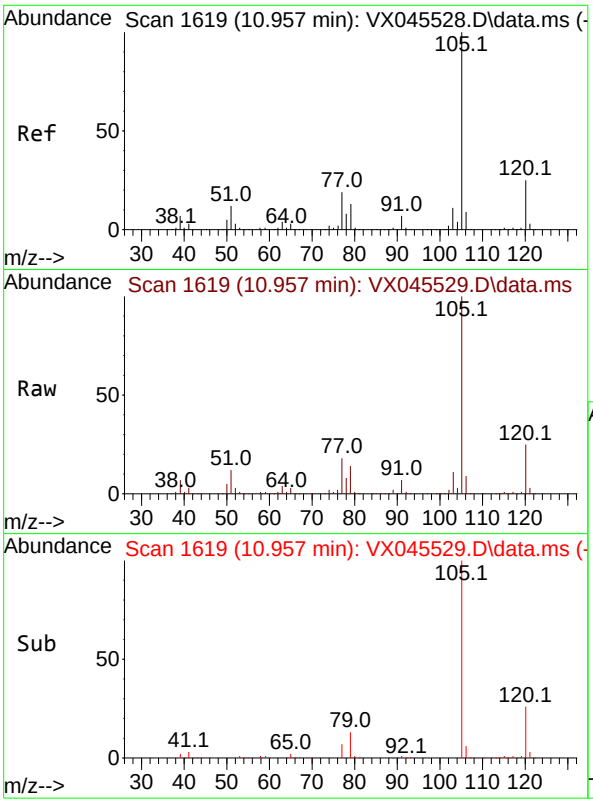


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:152 Resp: 64612

Ion	Ratio	Lower	Upper
152	100		
115	121.0	46.9	140.7
150	188.4	0.0	349.4



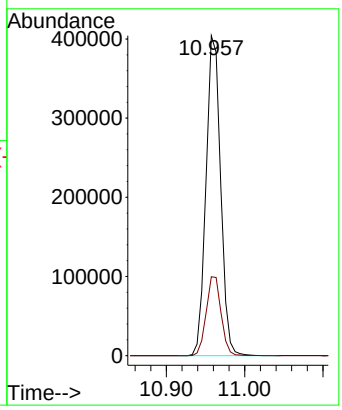


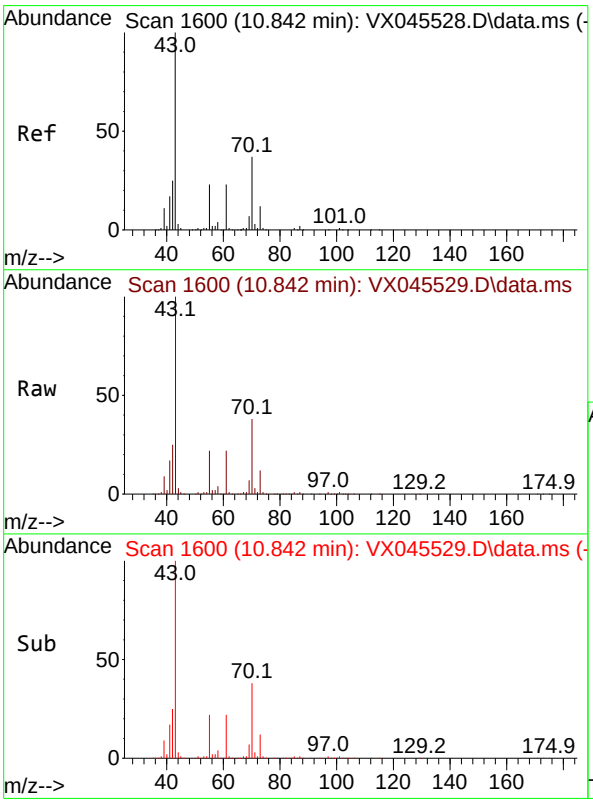
#73
Isopropylbenzene
Concen: 100.944 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 522436

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0

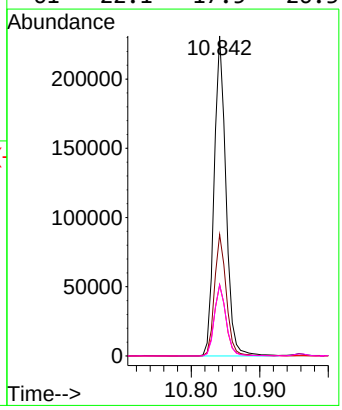


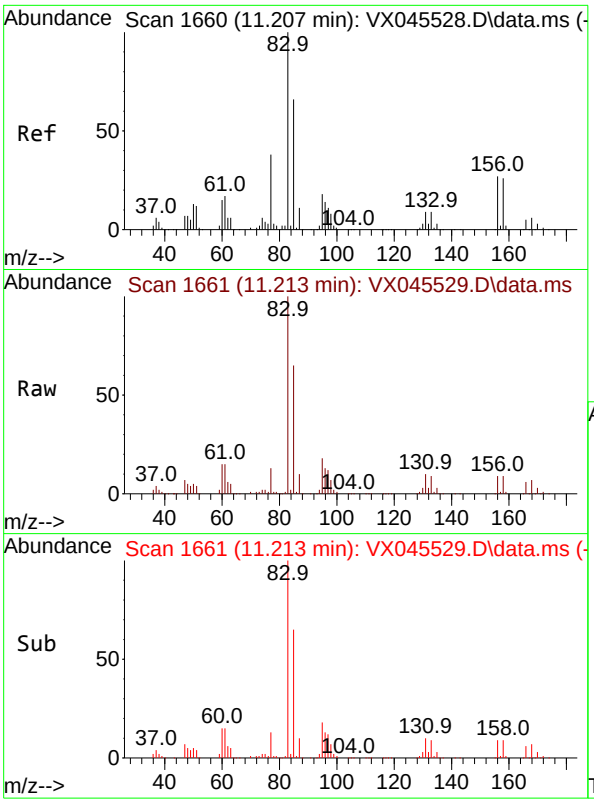


#74
N-amyl acetate
Concen: 111.267 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 275462

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.4	18.3	27.5
61	22.1	17.5	26.3



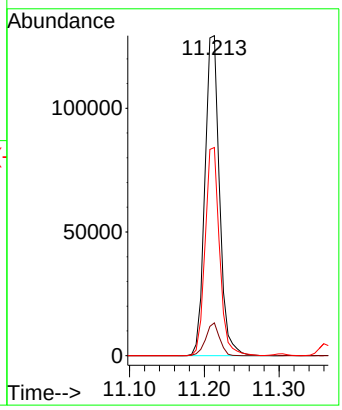


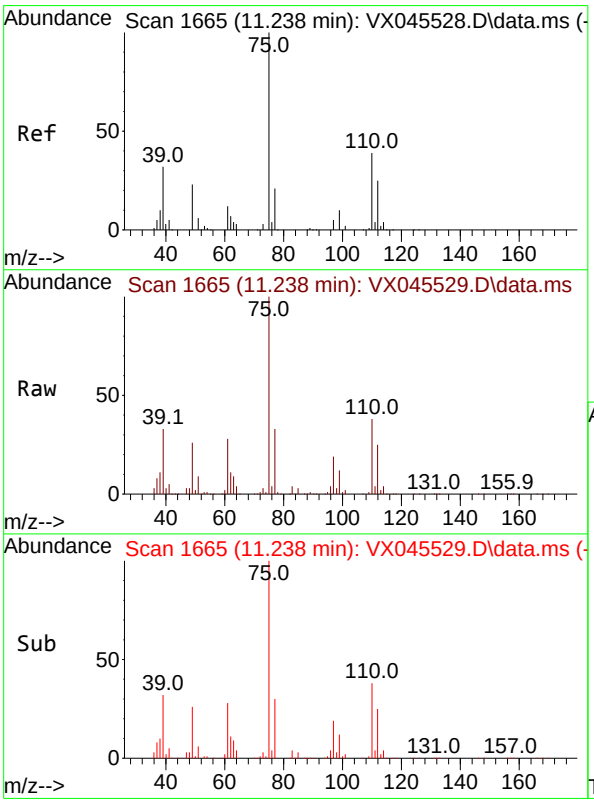
#75
1,1,2,2-Tetrachloroethane
Concen: 96.243 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 174977

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.3	32.4	97.2

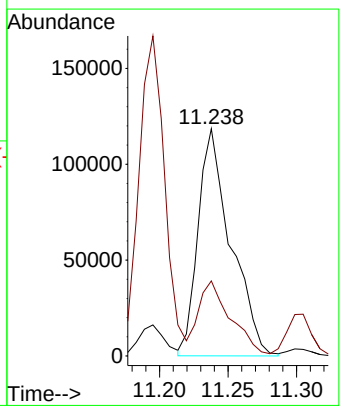


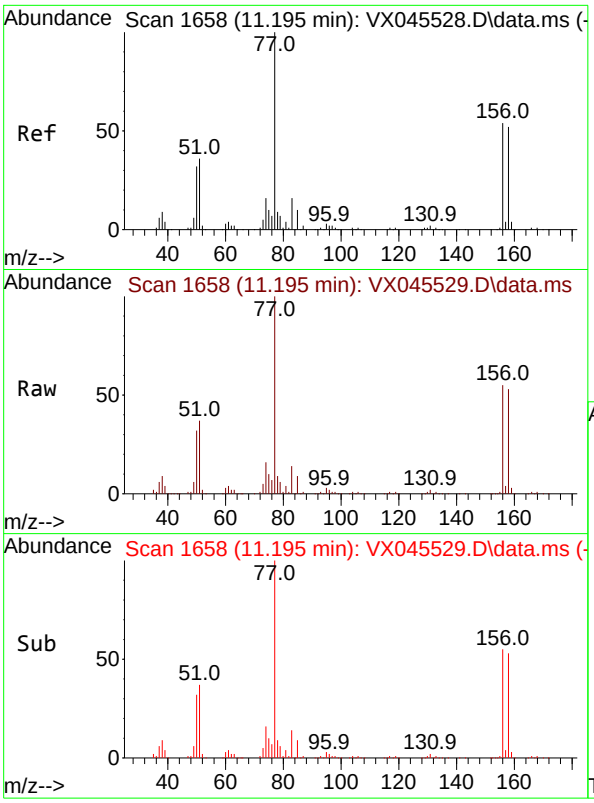


#76
1,2,3-Trichloropropane
Concen: 125.410 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 197652

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.0	59.9



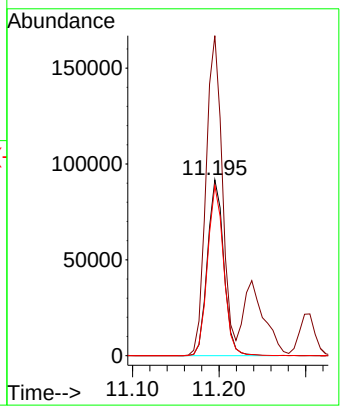


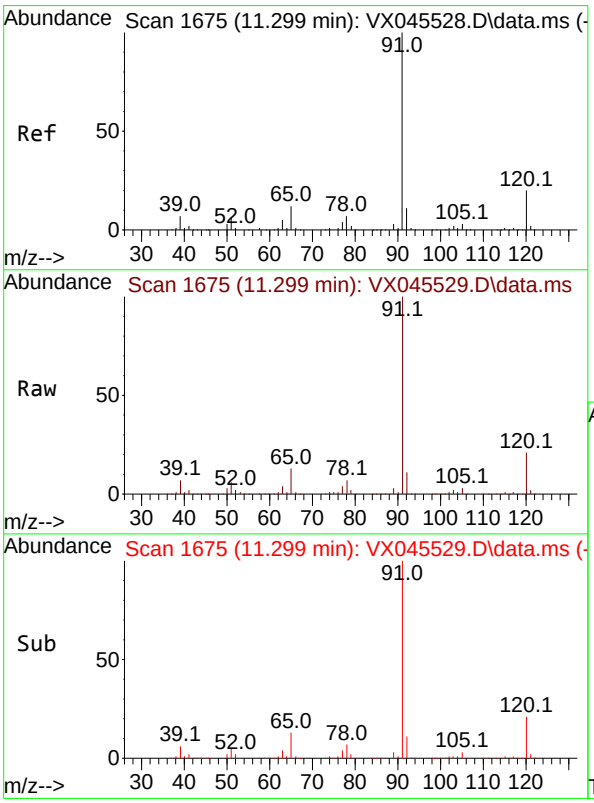
#77
Bromobenzene
Concen: 99.983 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 119561

Ion	Ratio	Lower	Upper
156	100		
77	183.4	92.6	277.8
158	95.9	48.1	144.4

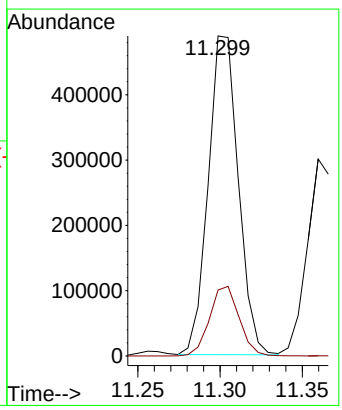


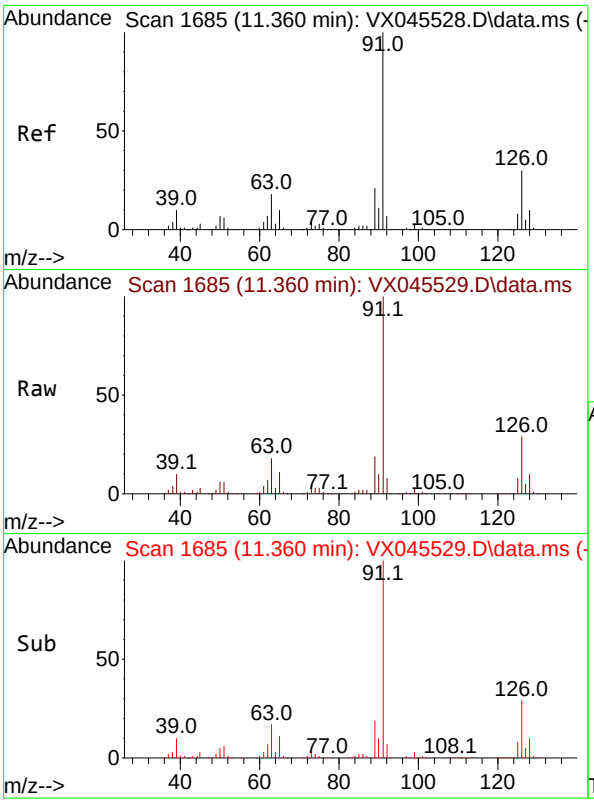


#78
n-propylbenzene
Concen: 104.454 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 622679

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3



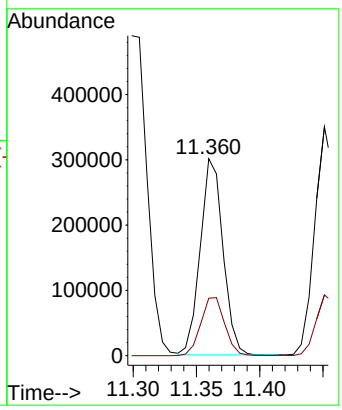


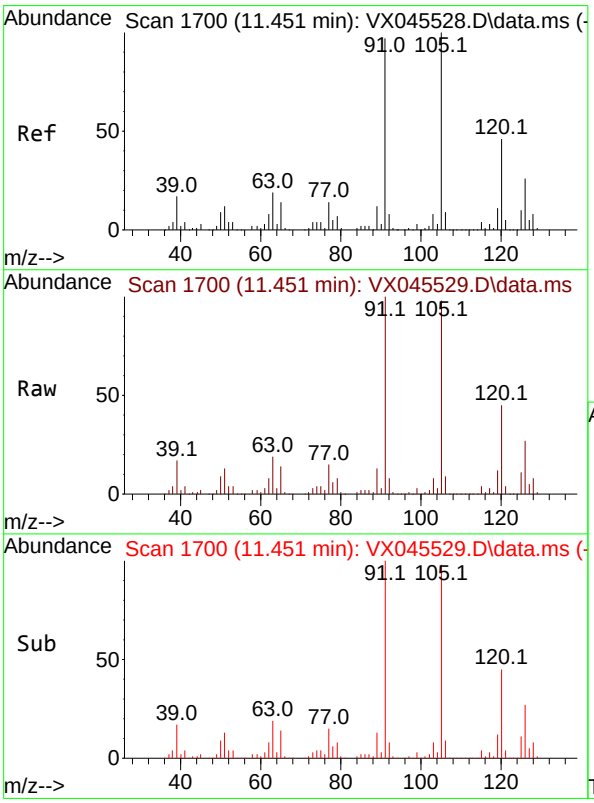
#79
2-Chlorotoluene
Concen: 98.840 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 376682

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

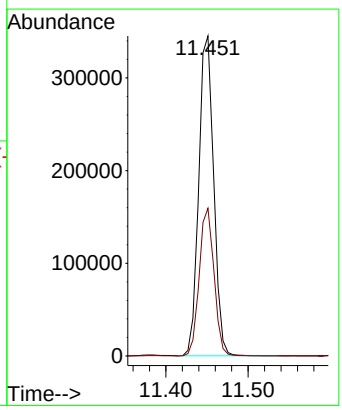


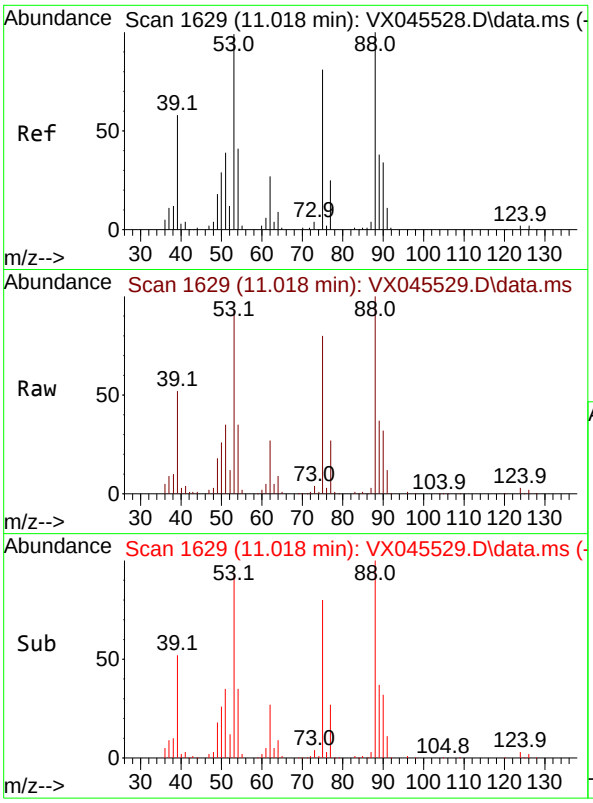


#80
1,3,5-Trimethylbenzene
Concen: 101.675 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 435137

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0



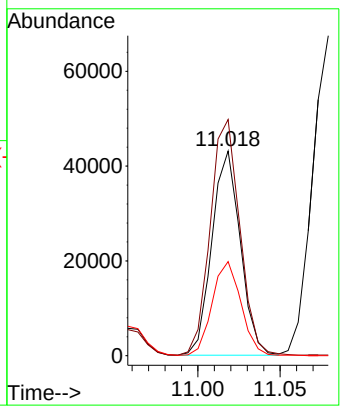


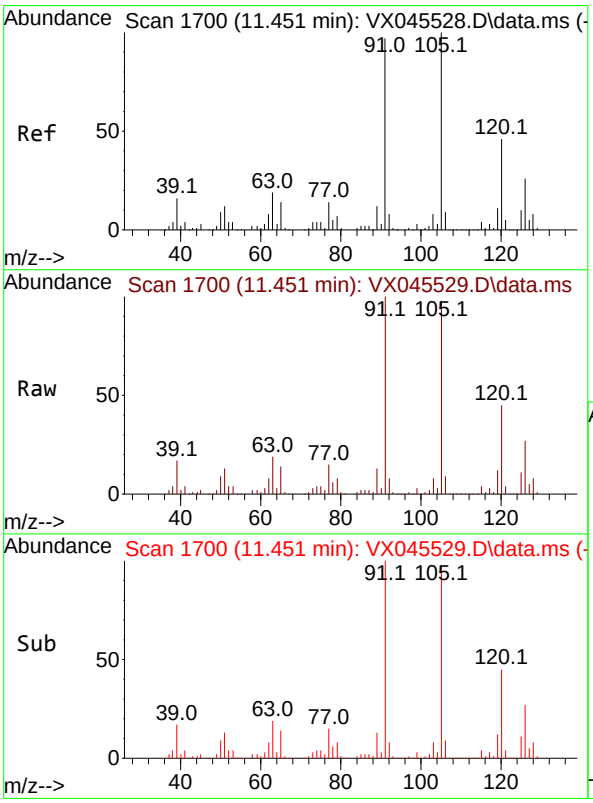
#81
trans-1,4-Dichloro-2-butene
Concen: 111.704 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 51873

Ion	Ratio	Lower	Upper
75	100		
53	119.5	101.8	152.6
89	46.9	37.2	55.8

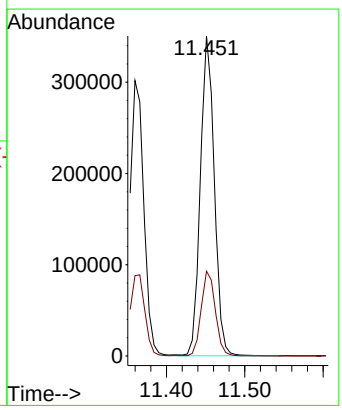


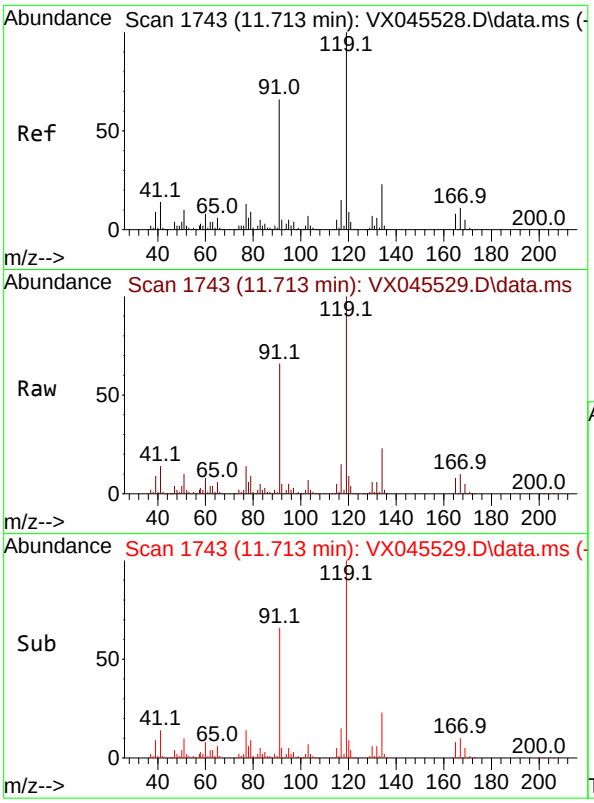


#82
4-Chlorotoluene
Concen: 101.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 432884

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9



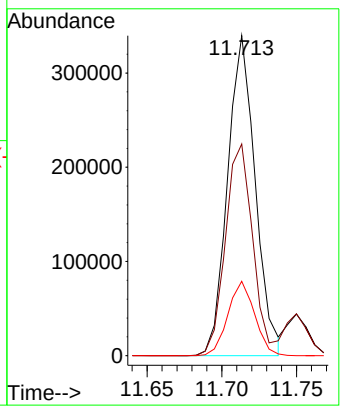


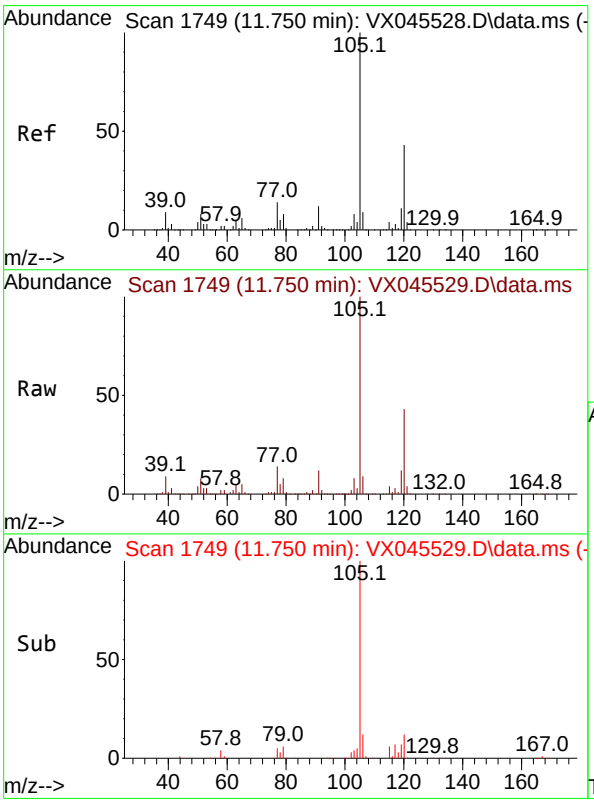
#83
tert-Butylbenzene
Concen: 103.292 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 437649

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.4	97.2
134	22.4	11.5	34.5

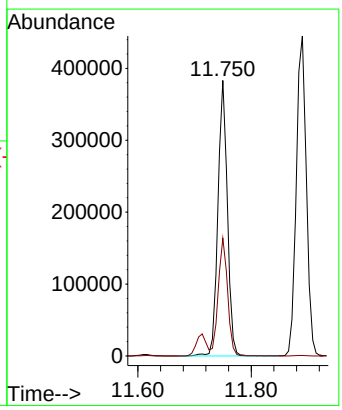


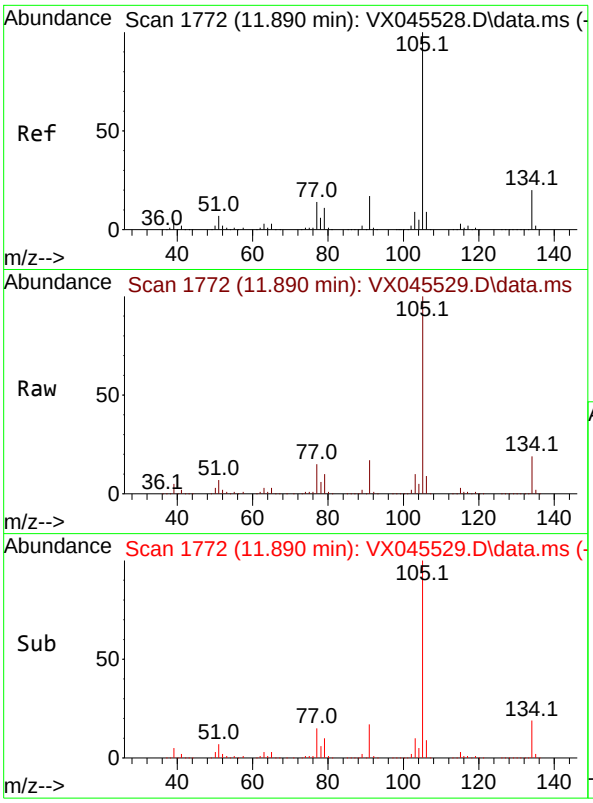


#84
1,2,4-Trimethylbenzene
Concen: 103.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 444211

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.4	64.3



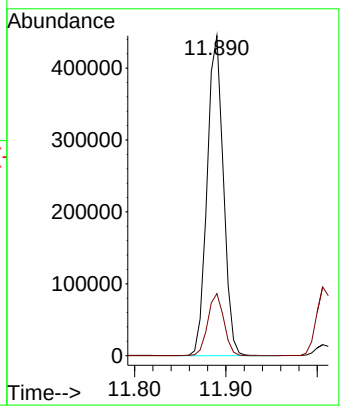


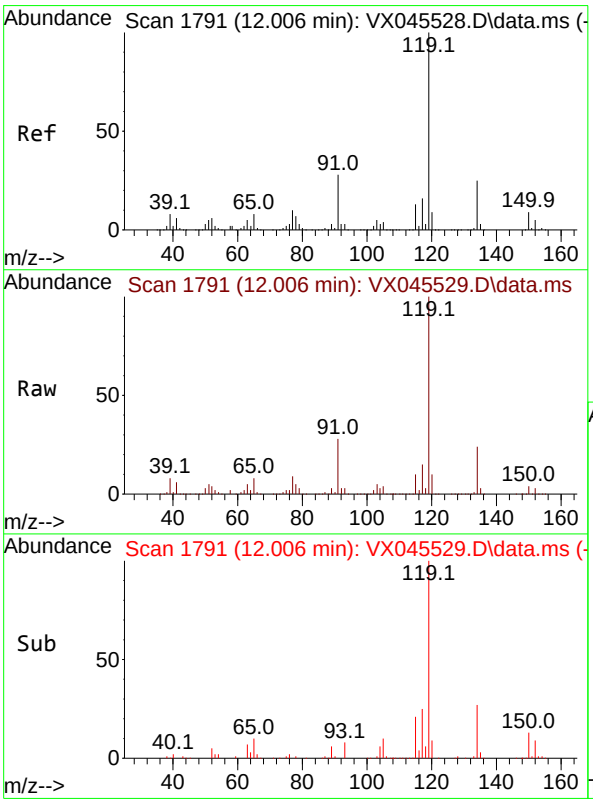
#85
sec-Butylbenzene
Concen: 105.082 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 546857

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

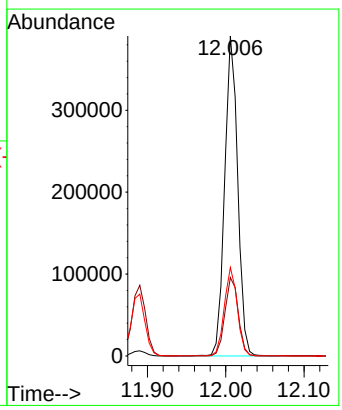


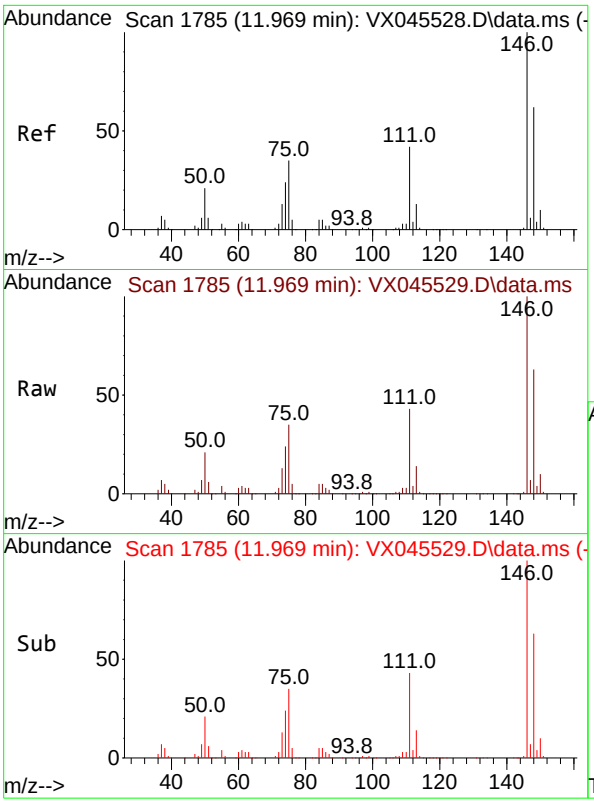


#86
p-Isopropyltoluene
Concen: 105.609 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 453109

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.4	13.7	41.1



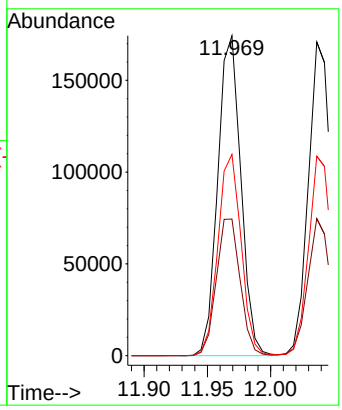


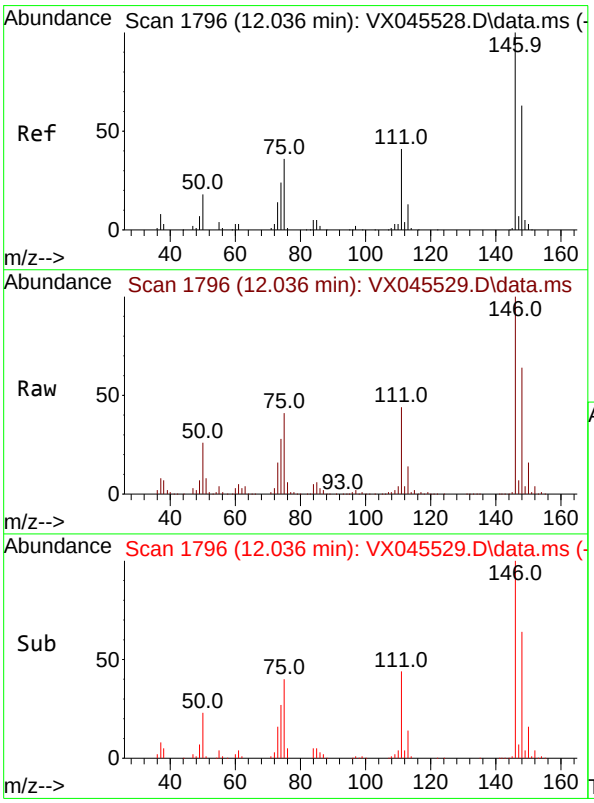
#87
1,3-Dichlorobenzene
Concen: 101.749 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 221481

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.9	95.7

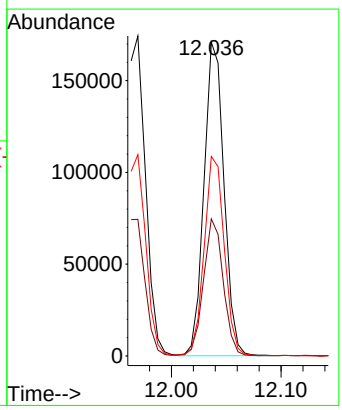


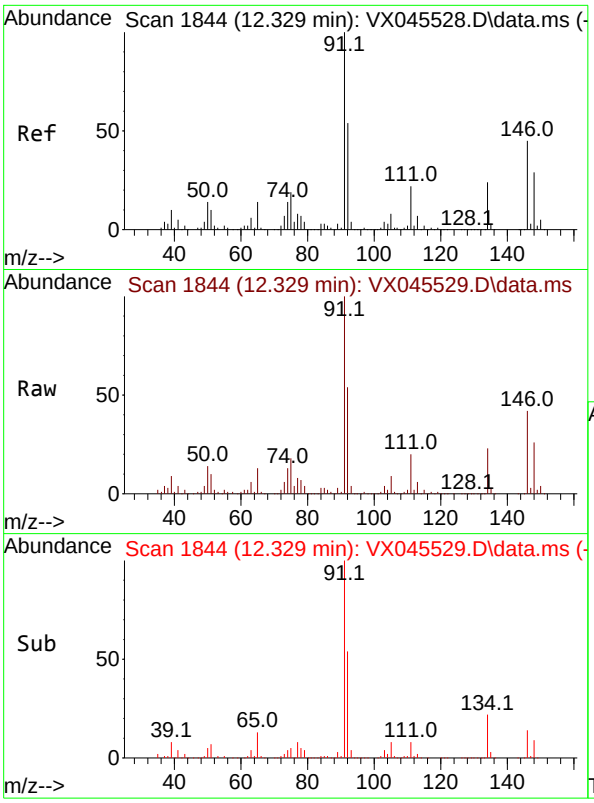


#88
1,4-Dichlorobenzene
Concen: 98.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 216367

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.9	62.8
148	64.0	31.5	94.5



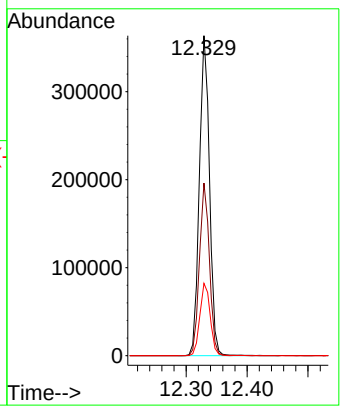


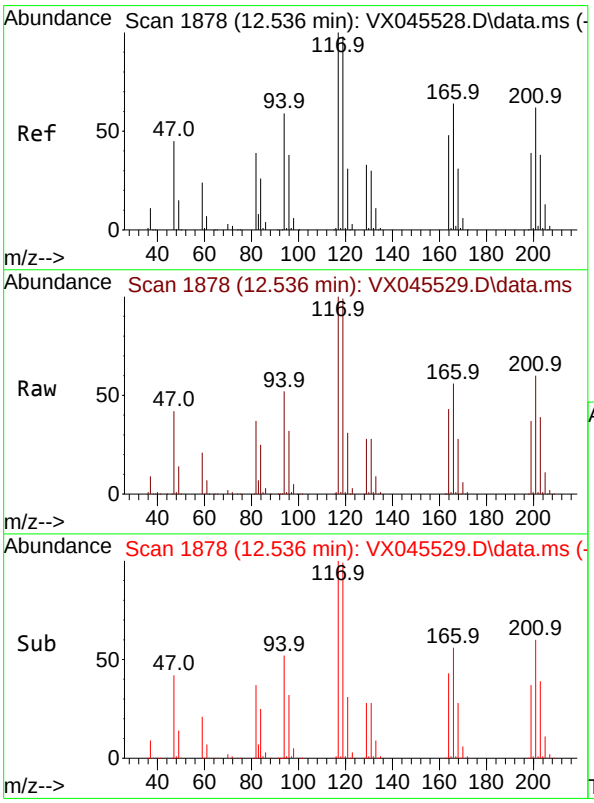
#89
n-Butylbenzene
Concen: 113.075 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 420694

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.6
134	23.1	11.9	35.7

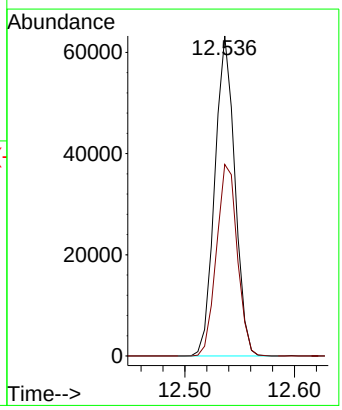


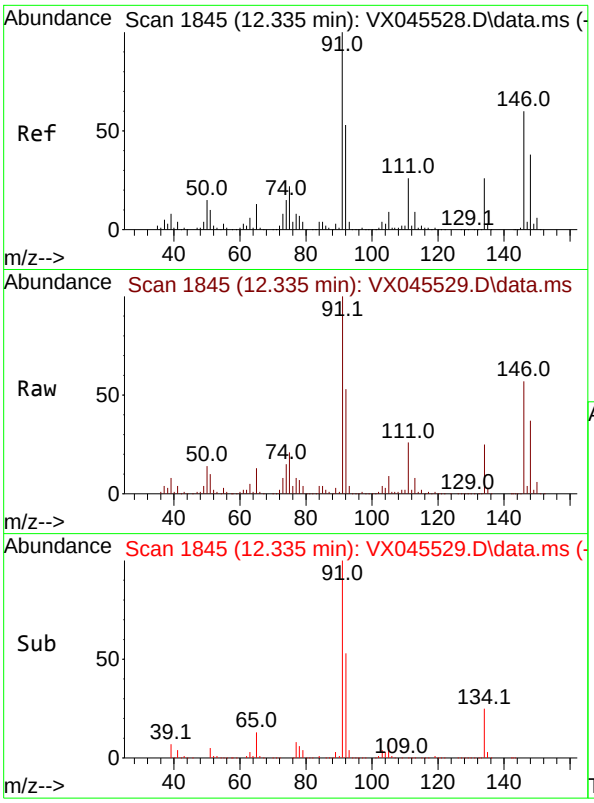


#90
Hexachloroethane
Concen: 109.160 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 80489

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.2	93.6



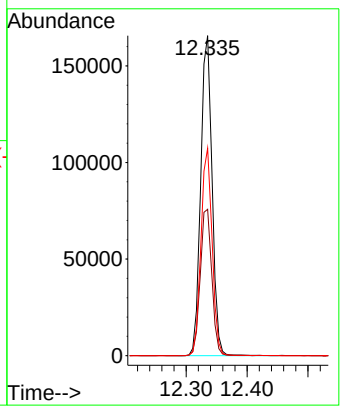


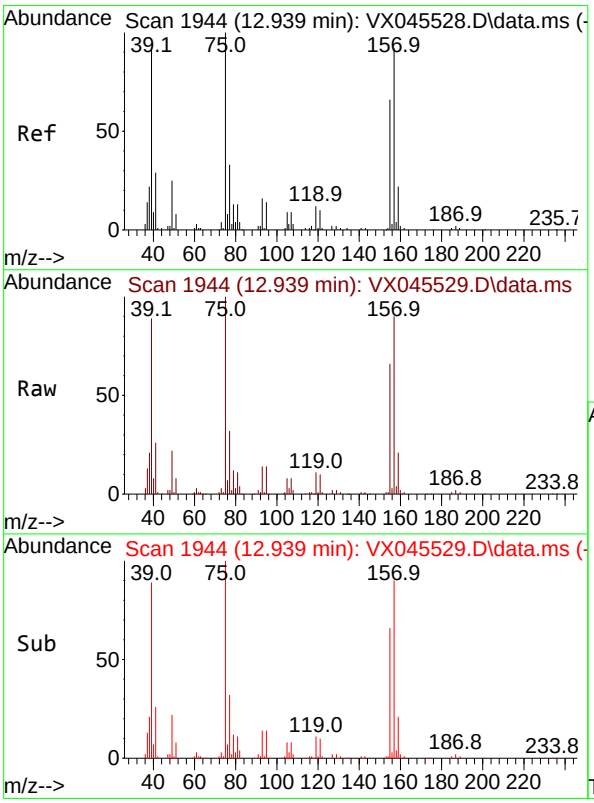
#91
1,2-Dichlorobenzene
Concen: 99.419 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 215157

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5

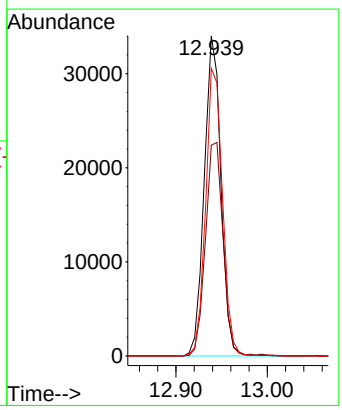


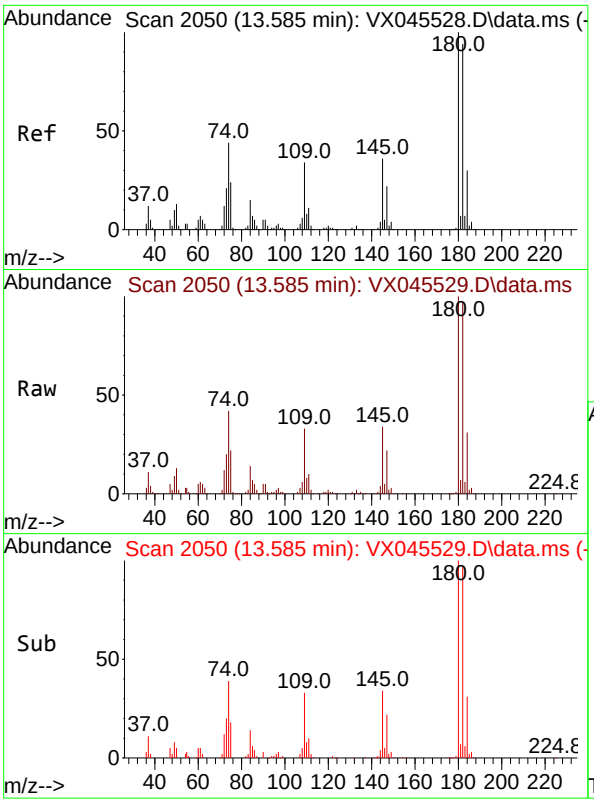


#92
1,2-Dibromo-3-Chloropropane
Concen: 113.214 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 43047

Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.9	104.7
157	90.6	44.9	134.7



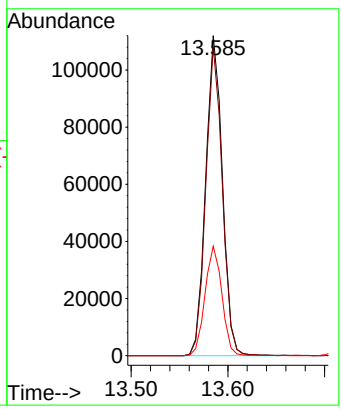


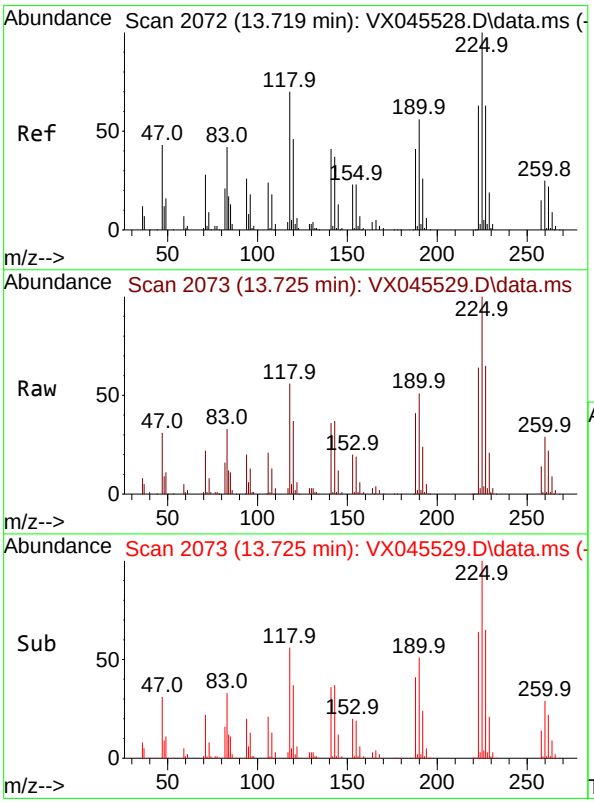
#93
1,2,4-Trichlorobenzene
Concen: 112.106 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 135046

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	34.6	17.9	53.8

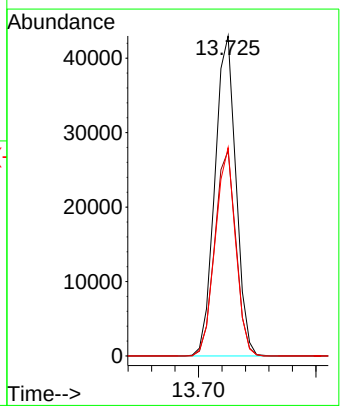


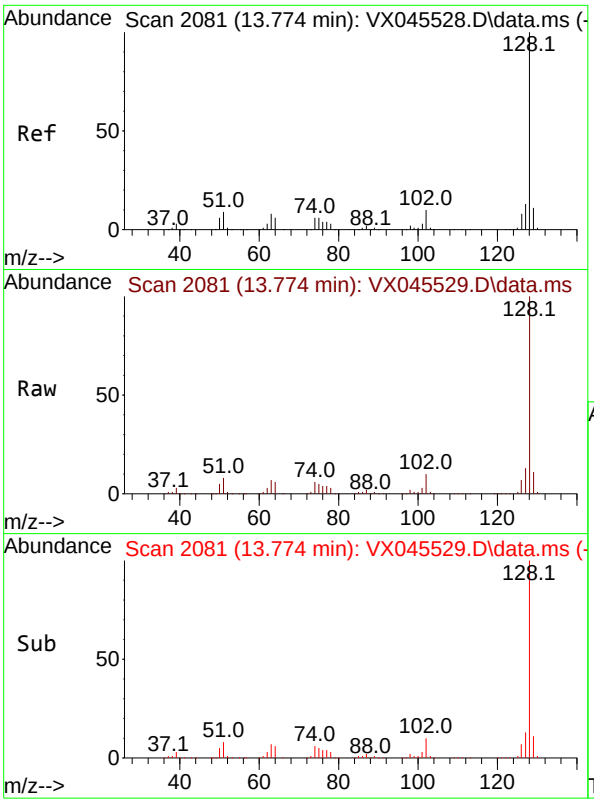


#94
Hexachlorobutadiene
Concen: 103.326 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:225 Resp: 53636

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	62.9	32.2	96.6



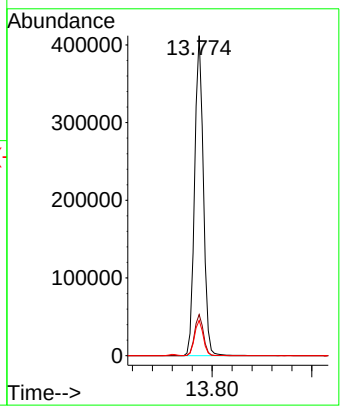


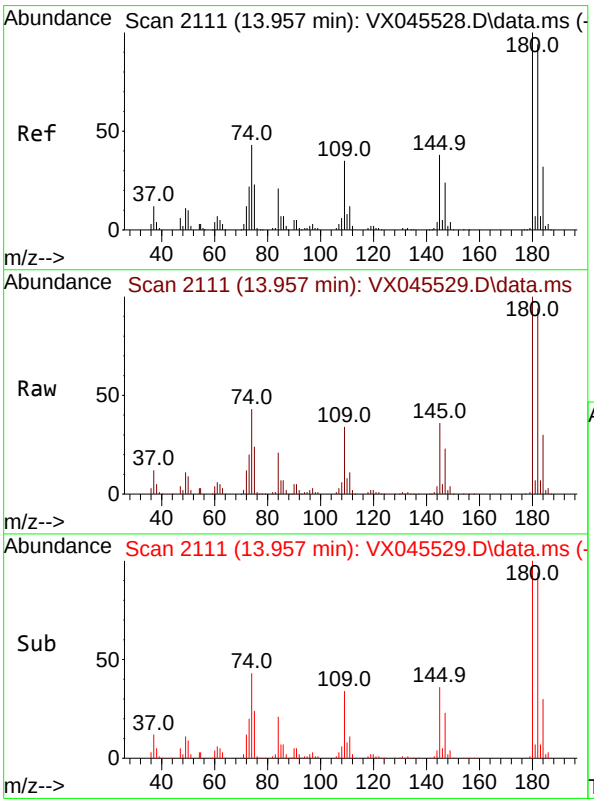
#95
Naphthalene
Concen: 111.473 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 499719

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8

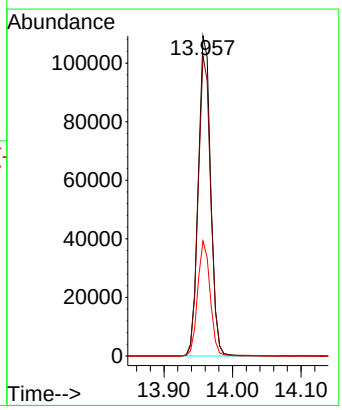




#96
1,2,3-Trichlorobenzene
Concen: 108.869 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 137328

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.0	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	90033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61380	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	252998	153.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.320%#			
35) Dibromofluoromethane	5.379	113	173598	152.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 305.780%#			
50) Toluene-d8	8.647	98	603264	152.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 304.440%#			
62) 4-Bromofluorobenzene	11.079	95	220921	153.035	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.060%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	221436	164.460	ug/l	100
3) Chloromethane	1.307	50	198321	143.373	ug/l	98
4) Vinyl Chloride	1.374	62	197096	155.697	ug/l	100
5) Bromomethane	1.593	94	88225	146.986	ug/l	97
6) Chloroethane	1.660	64	86251	128.421	ug/l	97
7) Trichlorofluoromethane	1.868	101	267098	141.495	ug/l	100
8) Diethyl Ether	2.136	74	96467	152.215	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	171118	154.698	ug/l	97
10) Methyl Iodide	2.441	142	202594	146.838	ug/l	99
11) Tert butyl alcohol	2.989	59	167769	758.202	ug/l	100
12) 1,1-Dichloroethene	2.307	96	166365	153.921	ug/l	97
13) Acrolein	2.239	56	232818	764.070	ug/l	100
14) Allyl chloride	2.654	41	313268	152.755	ug/l	99
15) Acrylonitrile	3.069	53	507965	727.247	ug/l	100
16) Acetone	2.386	43	479564	709.323	ug/l	99
17) Carbon Disulfide	2.502	76	443495	166.133	ug/l	99
18) Methyl Acetate	2.703	43	228558	146.832	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	598532	158.301	ug/l	99
20) Methylene Chloride	2.782	84	186382	147.254	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	170283	154.210	ug/l	98
22) Diisopropyl ether	3.764	45	636728	157.617	ug/l	94
23) Vinyl Acetate	3.721	43	2911326	834.120	ug/l	100
24) 1,1-Dichloroethane	3.605	63	349040	152.778	ug/l	99
25) 2-Butanone	4.556	43	740096	747.834	ug/l	99
26) 2,2-Dichloropropane	4.465	77	252063	170.765	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	205254	152.571	ug/l	98
28) Bromochloromethane	4.891	49	155600	140.938	ug/l	97
29) Tetrahydrofuran	5.001	42	475589	741.226	ug/l	100
30) Chloroform	5.087	83	353681	150.451	ug/l	98
31) Cyclohexane	5.458	56	310219	153.595	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	315136	158.426	ug/l	98
36) 1,1-Dichloropropene	5.684	75	239776	156.399	ug/l	98
37) Ethyl Acetate	4.715	43	294559	152.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	266770	161.005	ug/l	99
39) Methylcyclohexane	7.373	83	303251	161.366	ug/l	96
40) Benzene	6.031	78	703311	150.208	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	164699	160.155	ug/l		98
42) 1,2-Dichloroethane	6.080	62	296168	153.146	ug/l		100
43) Isopropyl Acetate	6.336	43	475823	162.494	ug/l		99
44) Trichloroethene	7.117	130	170940	153.599	ug/l		95
45) 1,2-Dichloropropane	7.428	63	179457	153.610	ug/l		98
46) Dibromomethane	7.574	93	135415	150.996	ug/l		98
47) Bromodichloromethane	7.818	83	279881	156.272	ug/l		98
48) Methyl methacrylate	7.690	41	240818	159.281	ug/l		99
49) 1,4-Dioxane	7.659	88	74929	2739.196	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1414771	728.817	ug/l		99
52) Toluene	8.714	92	420015	148.245	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	267671	150.589	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	287973	171.104	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	163426	144.752	ug/l		98
56) Ethyl methacrylate	9.116	69	285895	163.624	ug/l		98
57) 1,3-Dichloropropane	9.305	76	288430	146.708	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	703881	796.340	ug/l		99
59) 2-Hexanone	9.433	43	1053971	733.198	ug/l		100
60) Dibromochloromethane	9.519	129	194342	157.895	ug/l		98
61) 1,2-Dibromoethane	9.610	107	174571	152.745	ug/l		99
64) Tetrachloroethene	9.269	164	138926	147.568	ug/l		98
65) Chlorobenzene	10.080	112	444631	156.049	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	156069	157.769	ug/l		99
67) Ethyl Benzene	10.189	91	821130	160.907	ug/l		99
68) m/p-Xylenes	10.299	106	583228	314.231	ug/l		99
69) o-Xylene	10.640	106	285670	156.241	ug/l		100
70) Styrene	10.653	104	480722	159.299	ug/l		99
71) Bromoform	10.799	173	126115	170.743	ug/l	#	98
73) Isopropylbenzene	10.957	105	764406	155.475	ug/l		100
74) N-amyl acetate	10.842	43	408934	173.877	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	249980	144.737	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	284853	190.257	ug/l		87
77) Bromobenzene	11.195	156	171573	151.033	ug/l		99
78) n-propylbenzene	11.305	91	897084	158.408	ug/l		100
79) 2-Chlorotoluene	11.360	91	537263	148.399	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	620819	152.700	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	78805	178.636	ug/l		93
82) 4-Chlorotoluene	11.451	91	615594	152.505	ug/l		99
83) tert-Butylbenzene	11.713	119	627039	155.783	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	629704	154.317	ug/l		100
85) sec-Butylbenzene	11.890	105	790355	159.869	ug/l		100
86) p-Isopropyltoluene	12.006	119	641521	157.397	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	314077	151.885	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	314197	149.876	ug/l		99
89) n-Butylbenzene	12.329	91	604445	171.019	ug/l		100
90) Hexachloroethane	12.536	117	121761	173.829	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	307031	149.342	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64317	178.062	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	199365	174.213	ug/l		99
94) Hexachlorobutadiene	13.725	225	77792	157.752	ug/l		99
95) Naphthalene	13.774	128	733300	172.191	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	201989	168.562	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

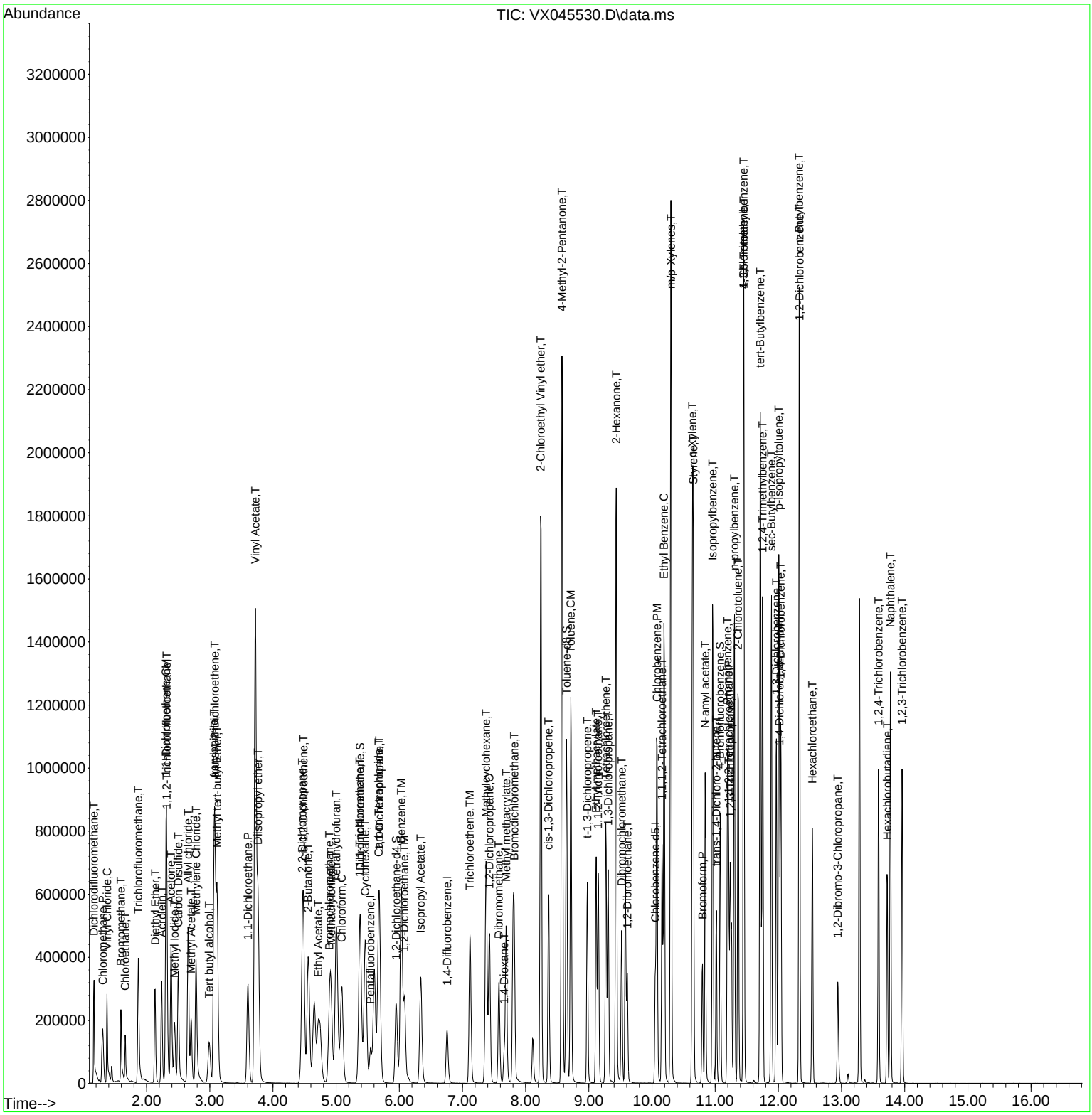
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

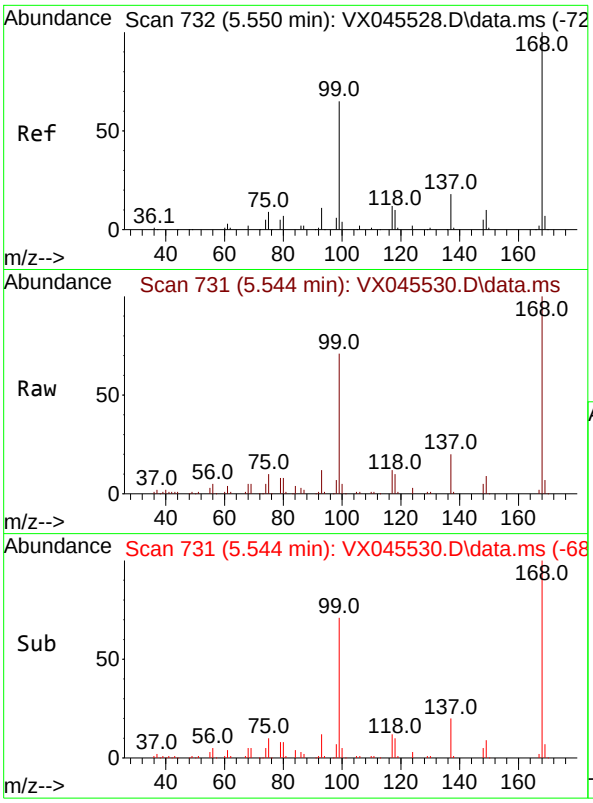
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



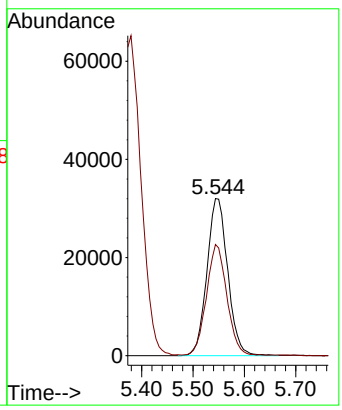


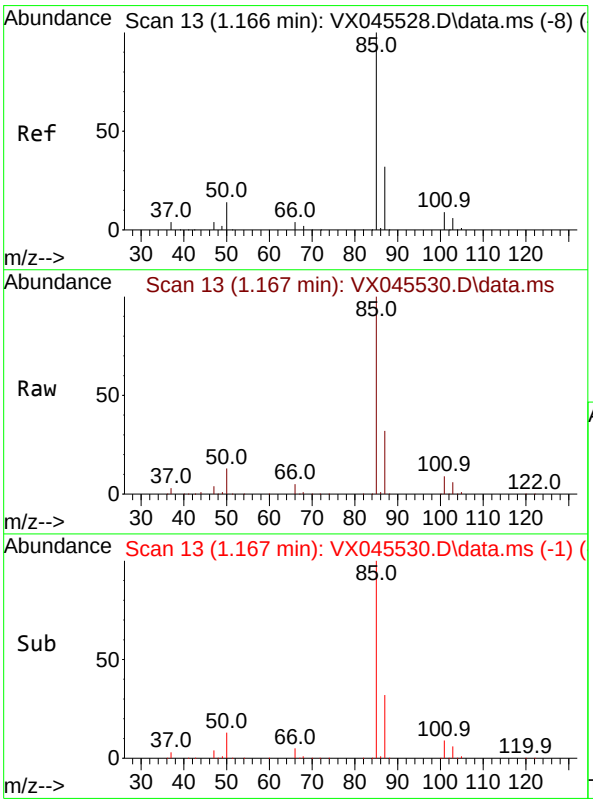
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 90033

Ion	Ratio	Lower	Upper
168	100		
99	70.3	52.3	78.5

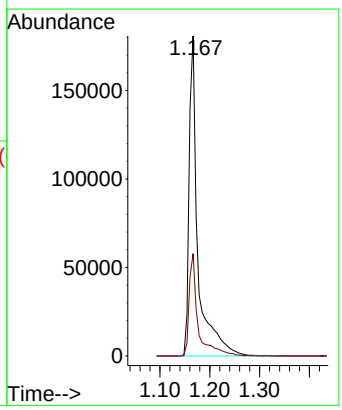


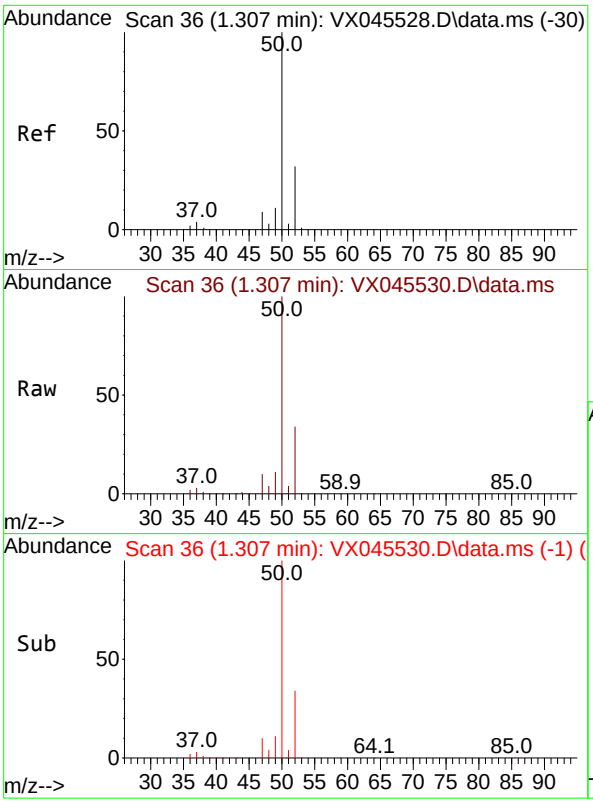


#2
Dichlorodifluoromethane
Concen: 164.460 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 85 Resp: 221436

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2



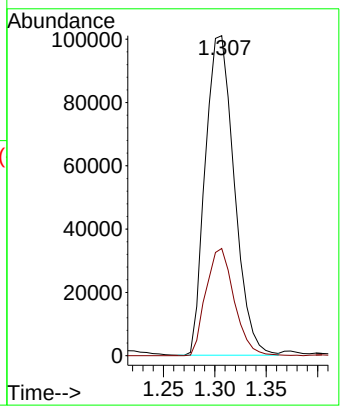


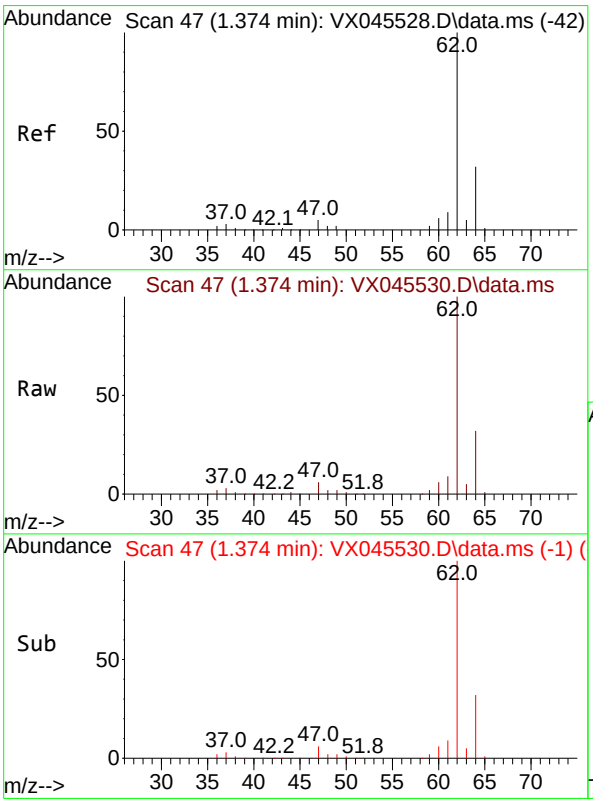
#3
Chloromethane
Concen: 143.373 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 198321

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9

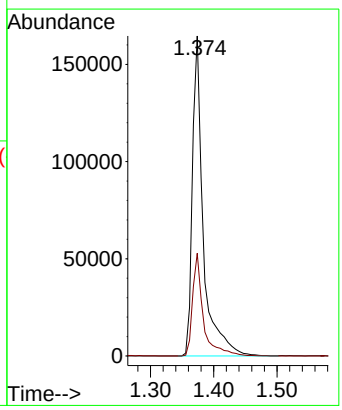


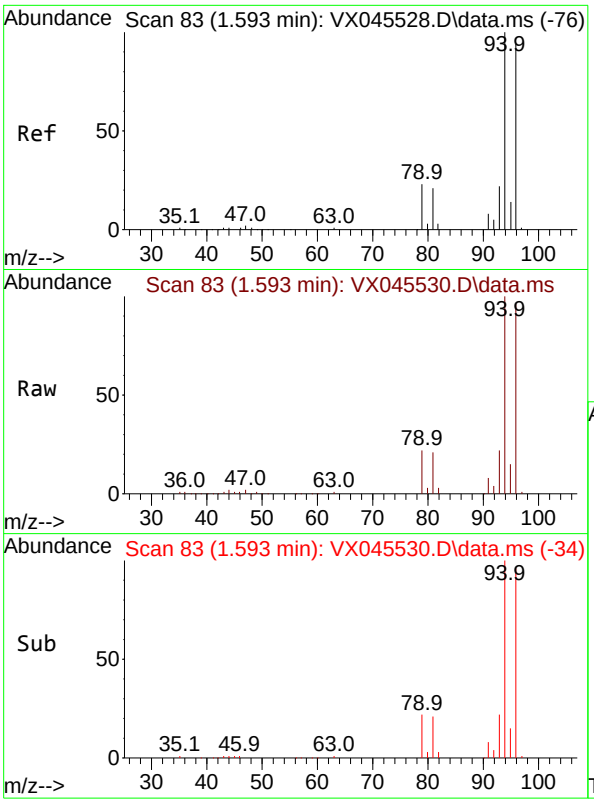


#4
Vinyl Chloride
Concen: 155.697 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 197096

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.5	38.3



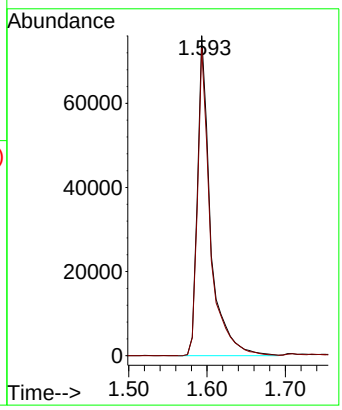


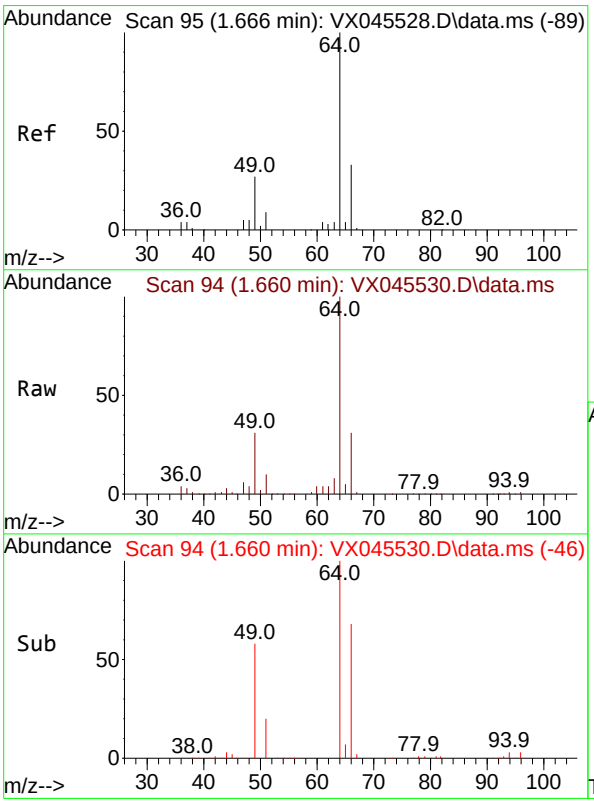
#5
Bromomethane
Concen: 146.986 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 88225

Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.8	112.2

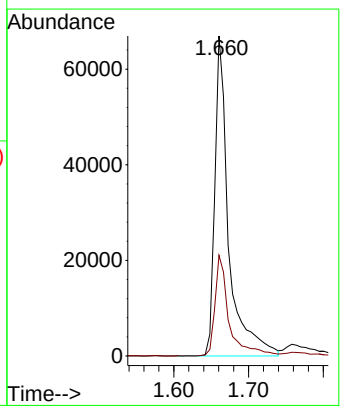


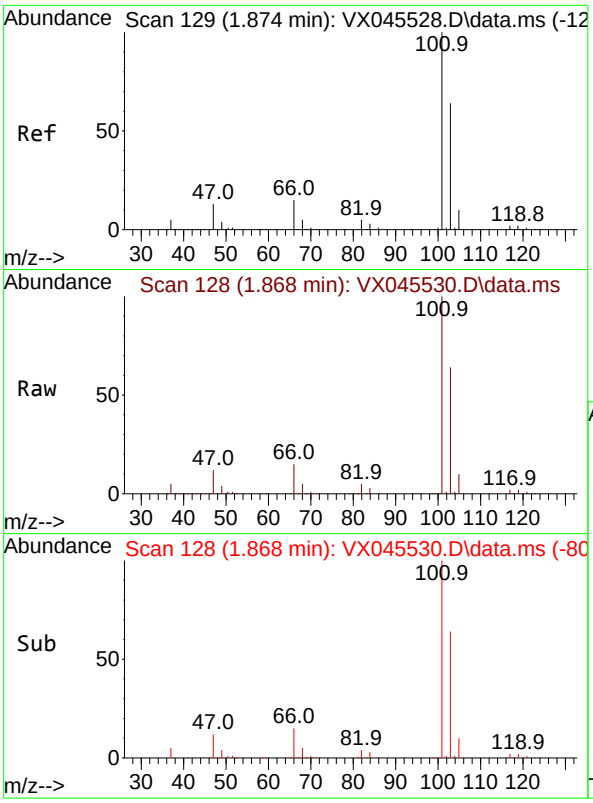


#6
Chloroethane
Concen: 128.421 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 64 Resp: 86251

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.3	39.5



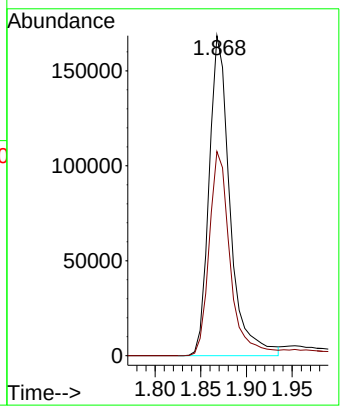


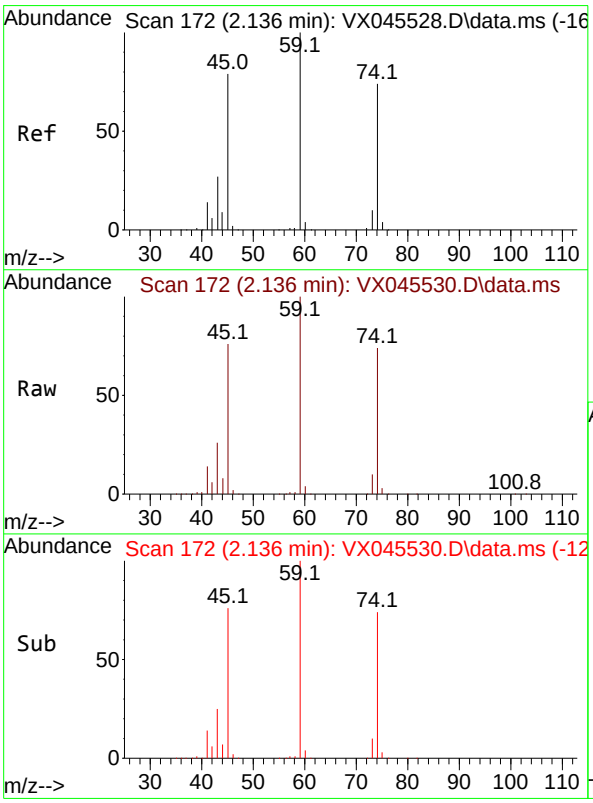
#7
Trichlorofluoromethane
Concen: 141.495 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 267098

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7

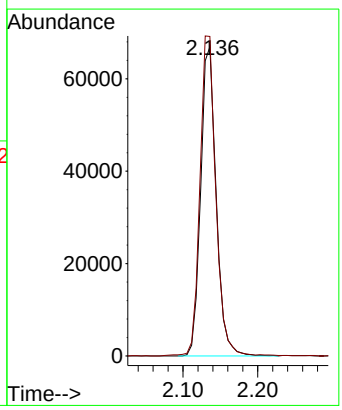


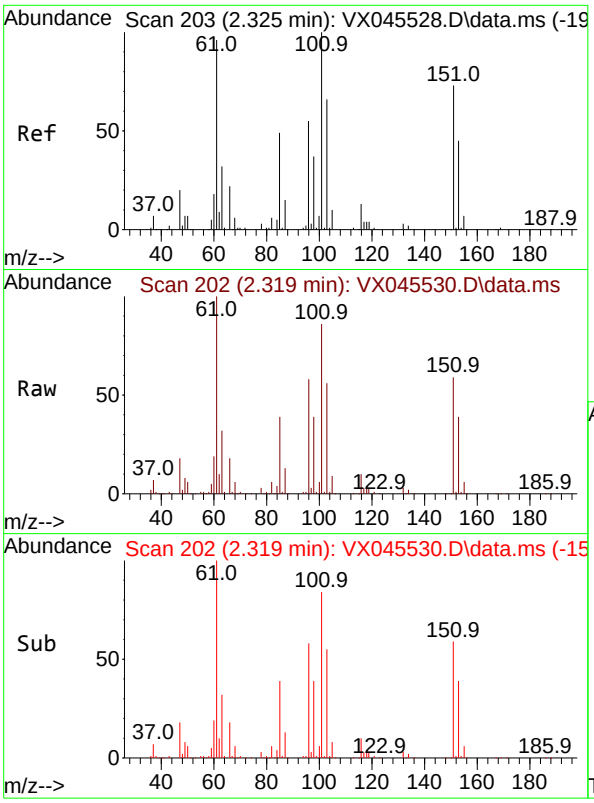


#8
Diethyl Ether
Concen: 152.215 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 74 Resp: 96467

Ion	Ratio	Lower	Upper
74	100		
45	105.8	53.0	159.1



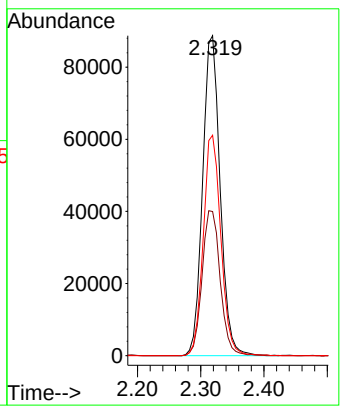


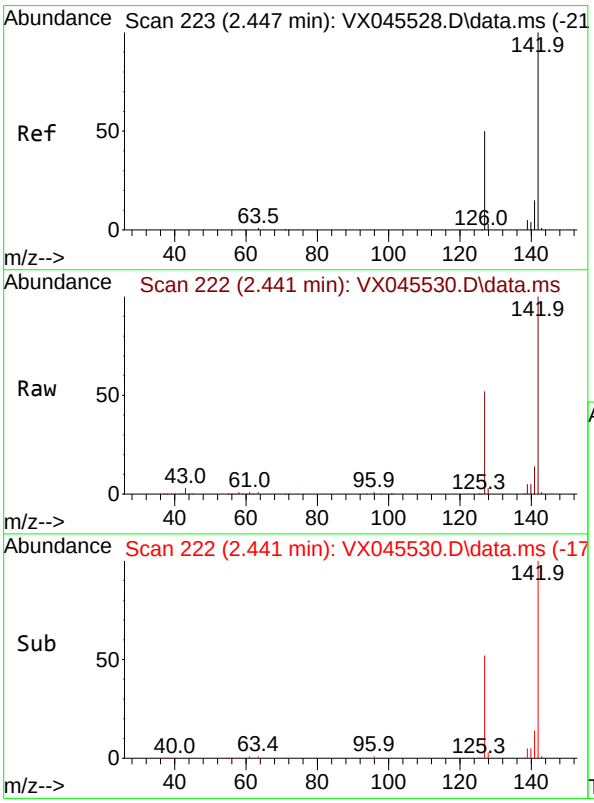
#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.698 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 171118

Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.3	57.5	86.3

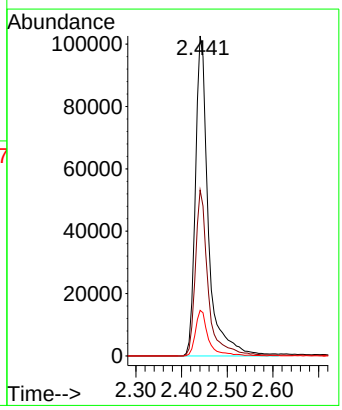


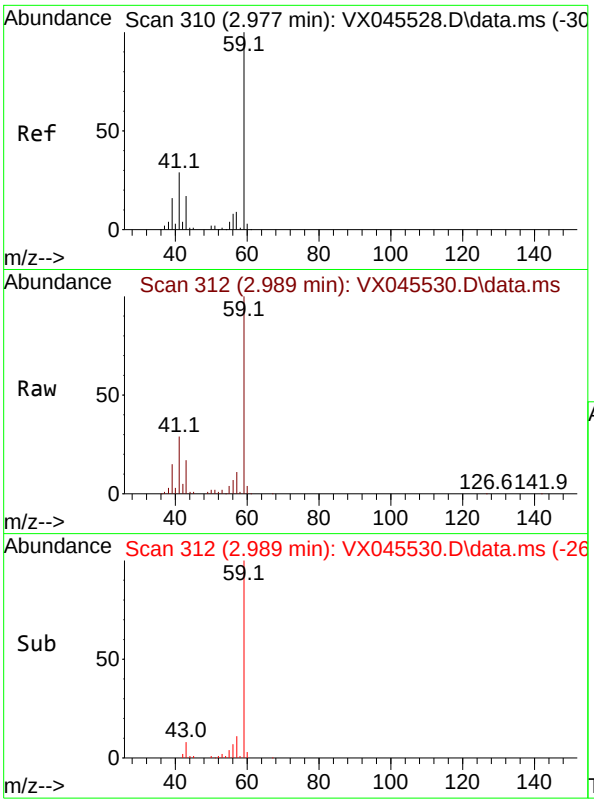


#10
Methyl Iodide
Concen: 146.838 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:142 Resp: 202594

Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.2	60.4
141	14.3	11.7	17.5



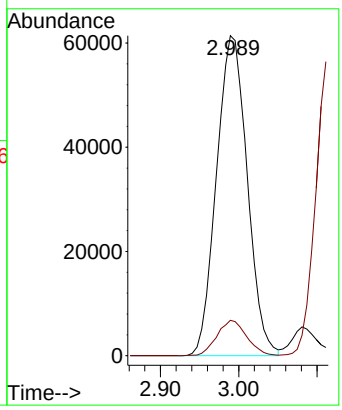


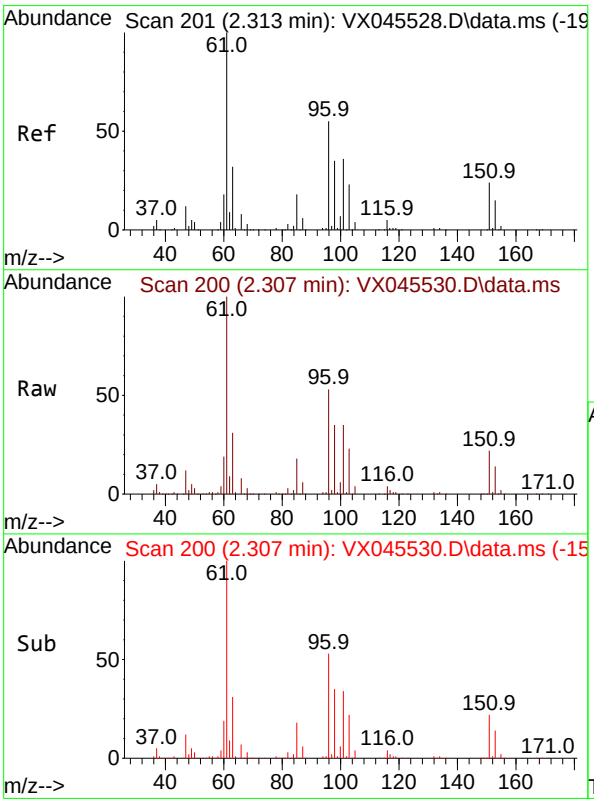
#11
Tert butyl alcohol
Concen: 758.202 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 167769

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

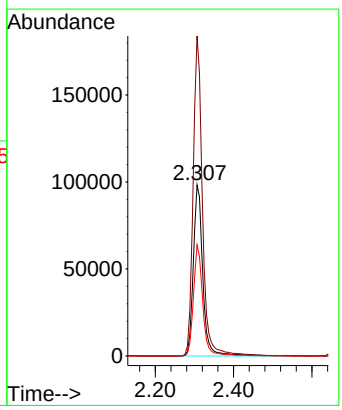


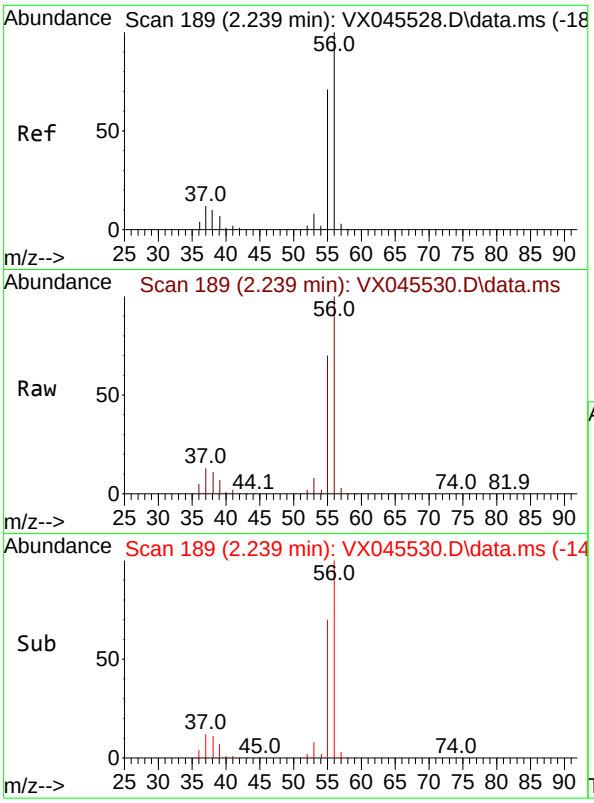


#12
1,1-Dichloroethene
Concen: 153.921 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 166365

Ion	Ratio	Lower	Upper
96	100		
61	187.0	145.7	218.5
98	65.0	51.6	77.4



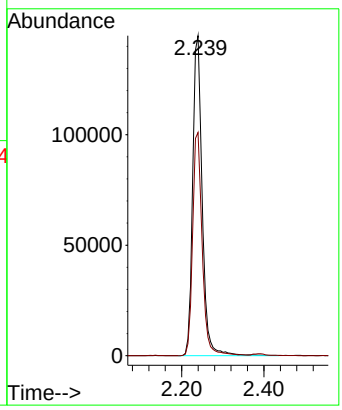


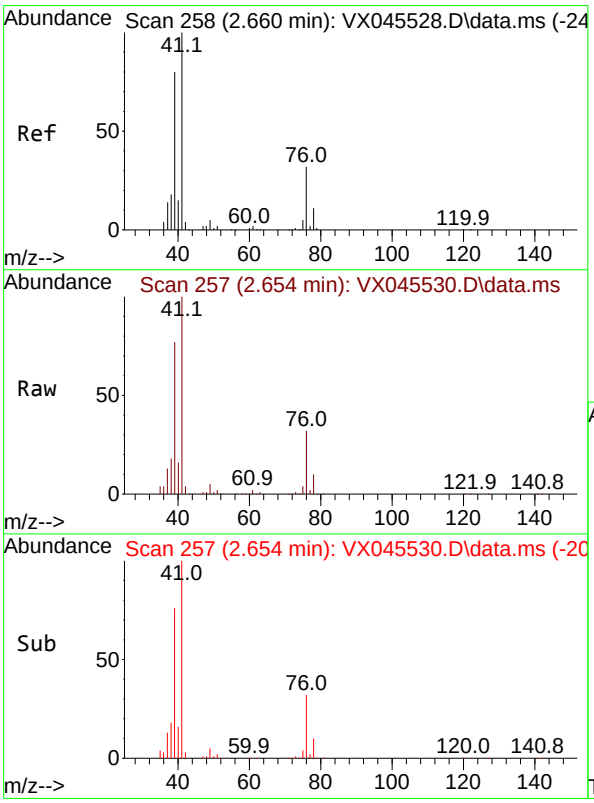
#13
Acrolein
Concen: 764.070 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 232818

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2

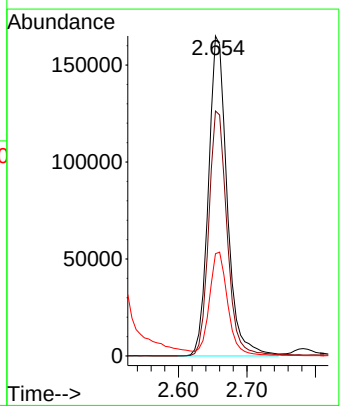


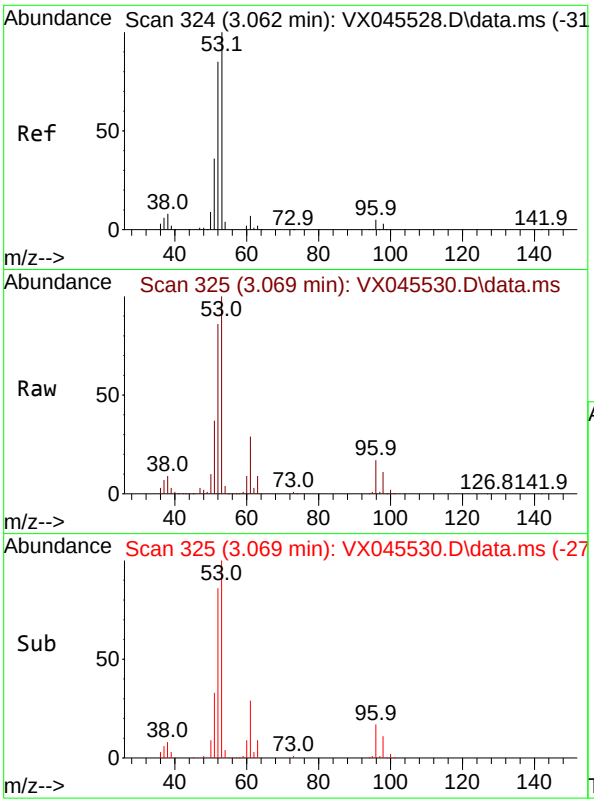


#14
Allyl chloride
Concen: 152.755 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 313268

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.2	90.2
76	32.2	24.6	36.8



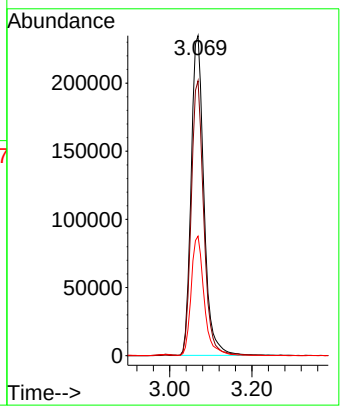


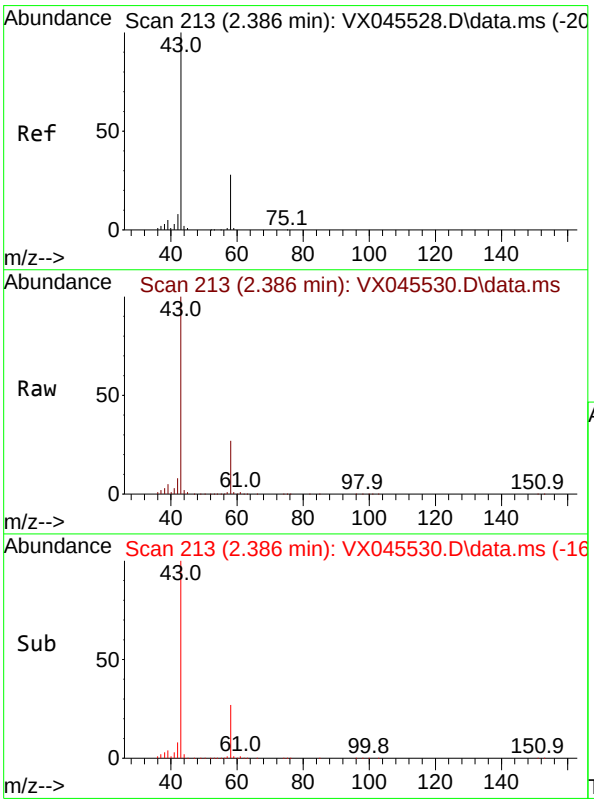
#15
Acrylonitrile
Concen: 727.247 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 507965

Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	37.7	29.9	44.9

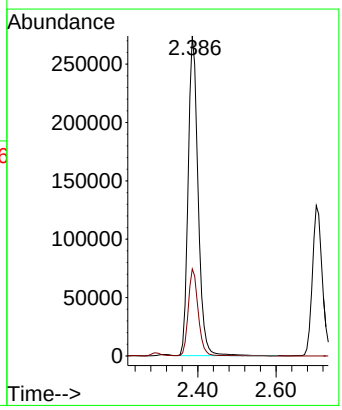


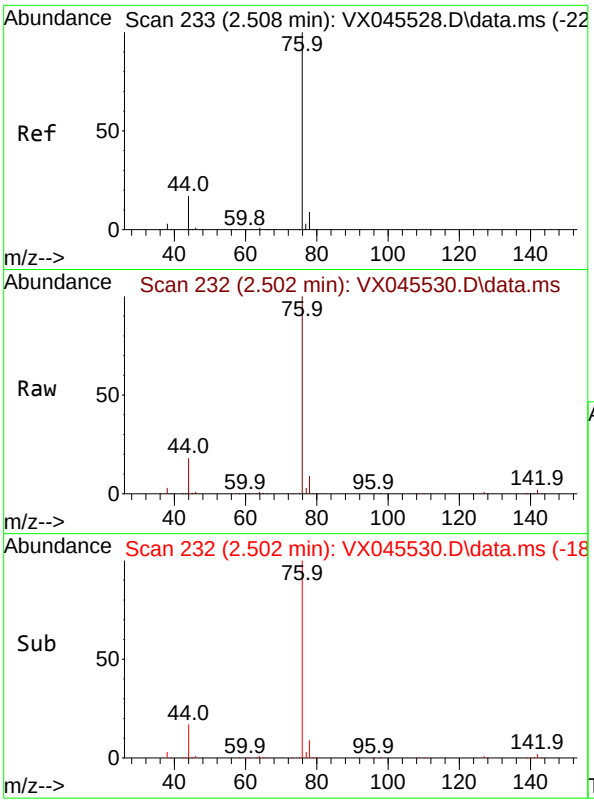


#16
Acetone
Concen: 709.323 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 479564

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5



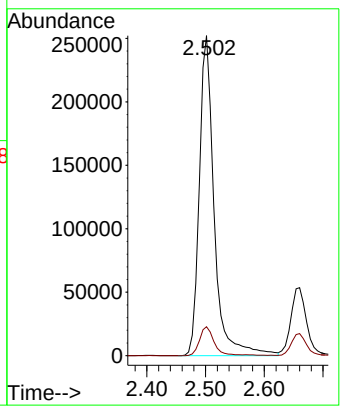


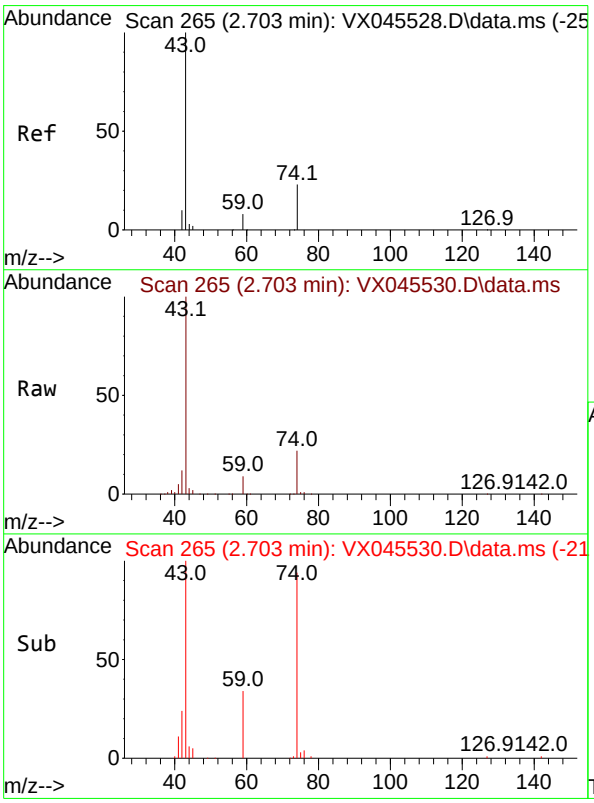
#17
Carbon Disulfide
Concen: 166.133 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 443495

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

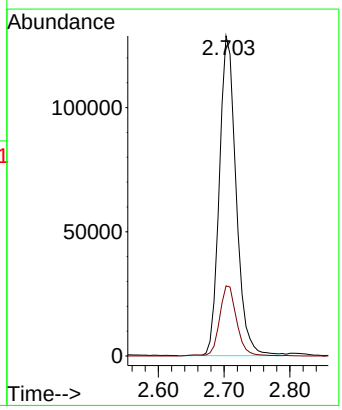


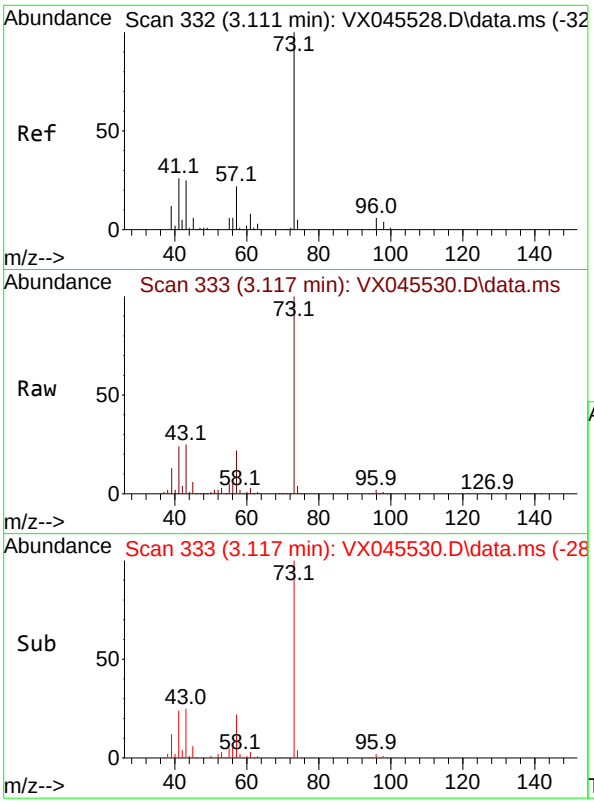


#18
Methyl Acetate
Concen: 146.832 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 228558

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.5	26.3



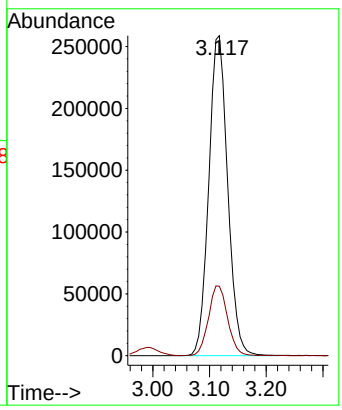


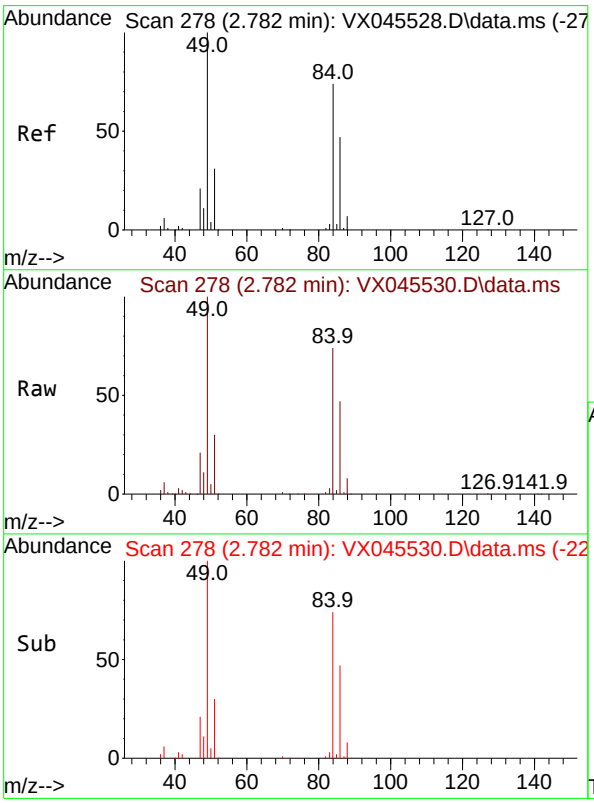
#19
Methyl tert-butyl Ether
Concen: 158.301 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 598532

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4

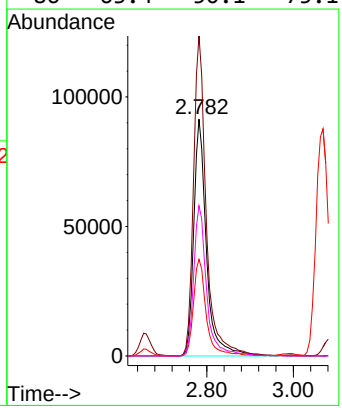


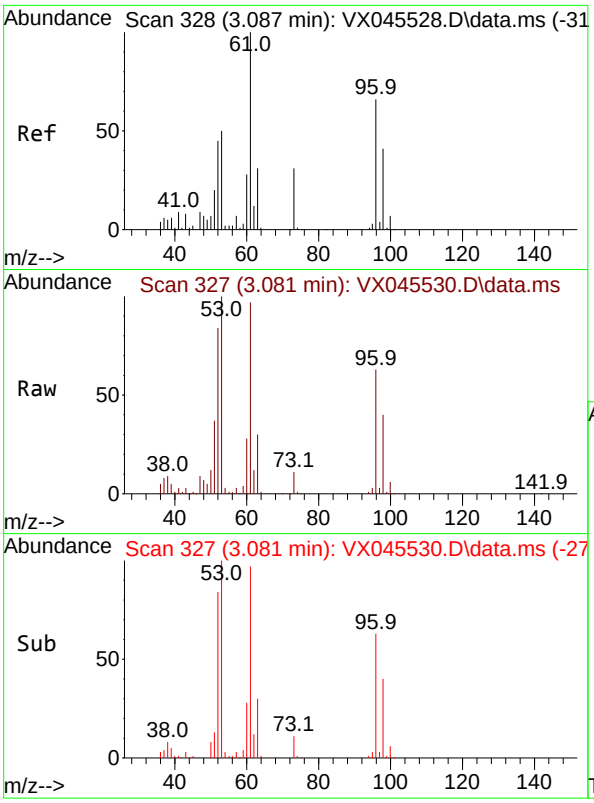


#20
Methylene Chloride
Concen: 147.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 84 Resp: 186382

Ion	Ratio	Lower	Upper
84	100		
49	135.1	107.5	161.3
51	40.8	33.0	49.6
86	63.4	50.1	75.1



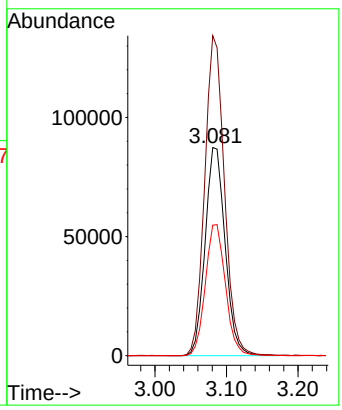


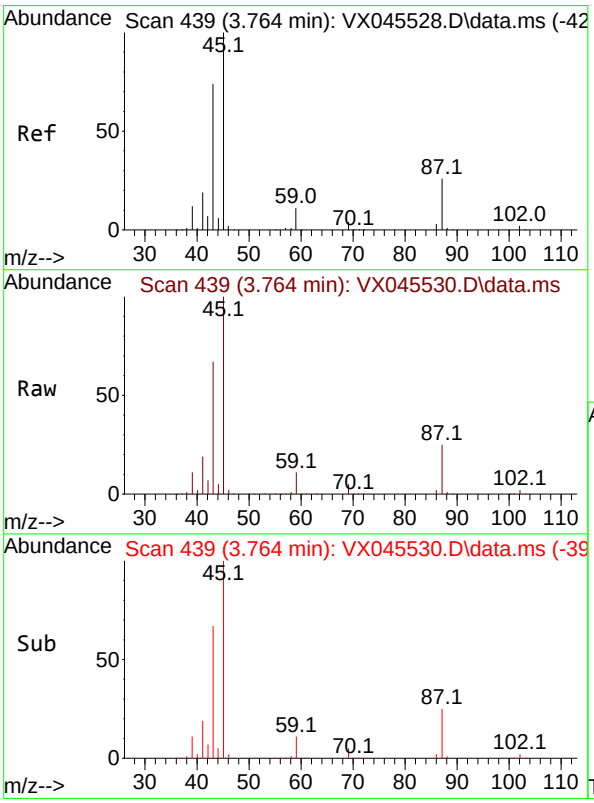
#21
trans-1,2-Dichloroethene
Concen: 154.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 170283

Ion	Ratio	Lower	Upper
96	100		
61	153.7	121.0	181.6
98	62.7	49.7	74.5

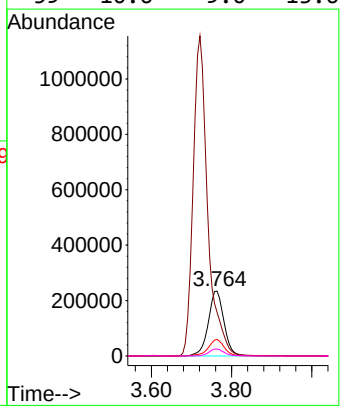


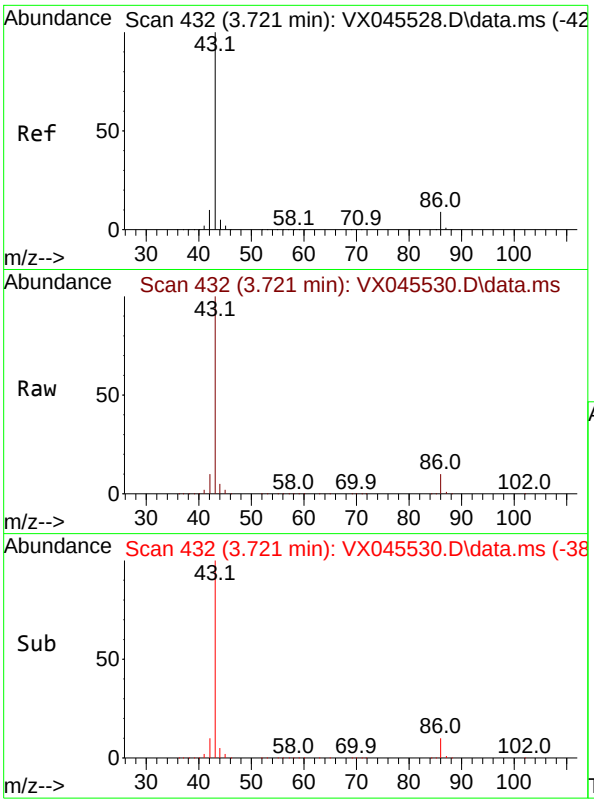


#22
Diisopropyl ether
Concen: 157.617 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 45 Resp: 636728

Ion	Ratio	Lower	Upper
45	100		
43	67.0	59.3	88.9
87	25.5	20.4	30.6
59	10.6	9.0	13.6



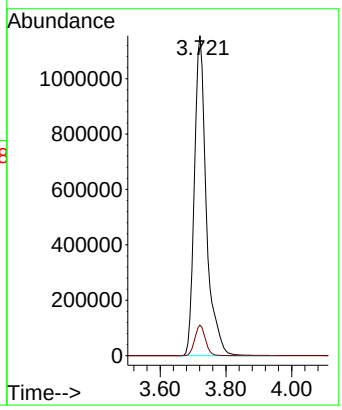


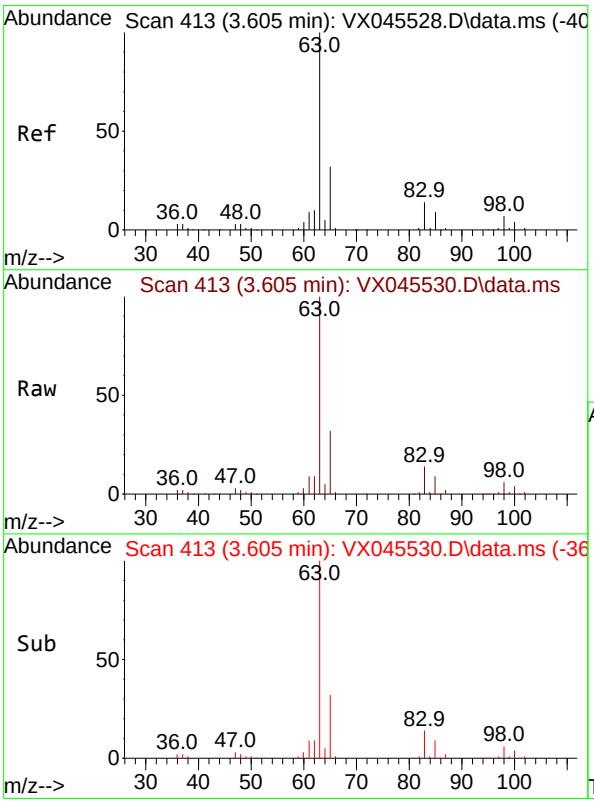
#23
Vinyl Acetate
Concen: 834.120 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2911326

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

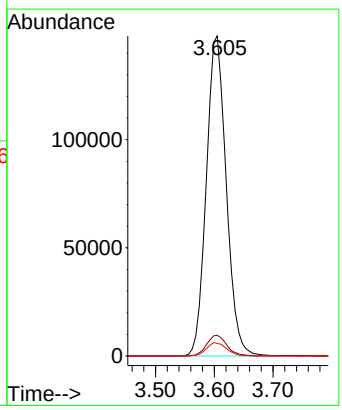


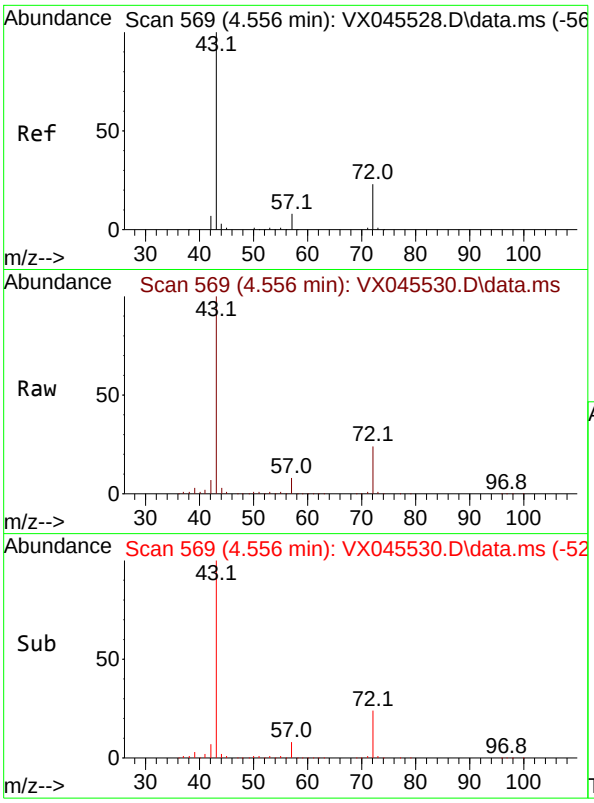


#24
1,1-Dichloroethane
Concen: 152.778 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 349040

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	3.9	2.2	6.6



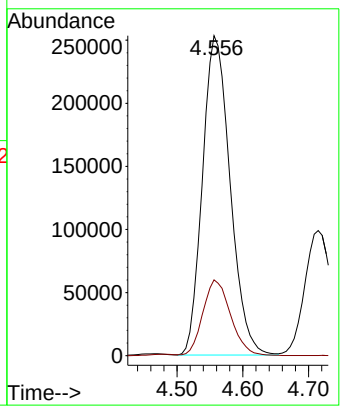


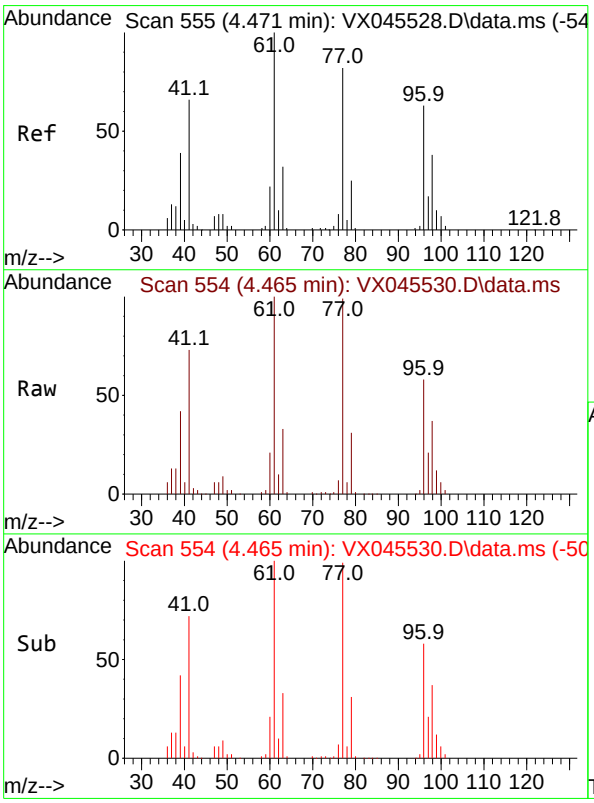
#25
2-Butanone
Concen: 747.834 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 740096

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	28.0

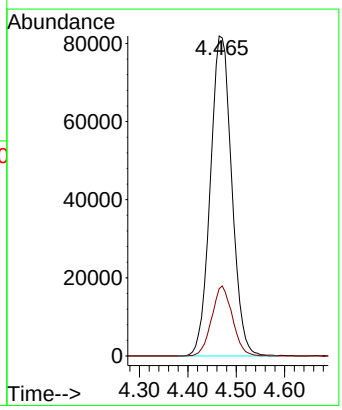


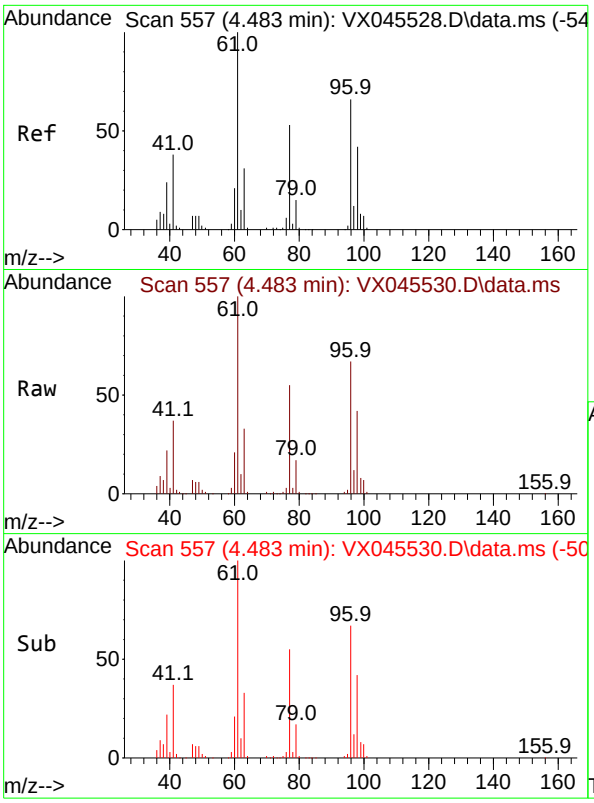


#26
2,2-Dichloropropane
Concen: 170.765 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 77 Resp: 252063

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



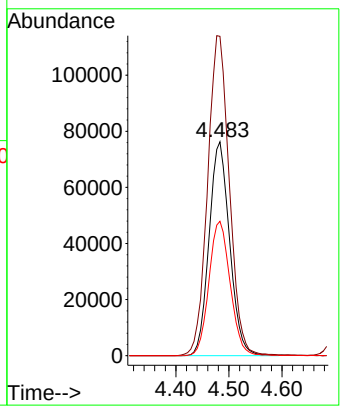


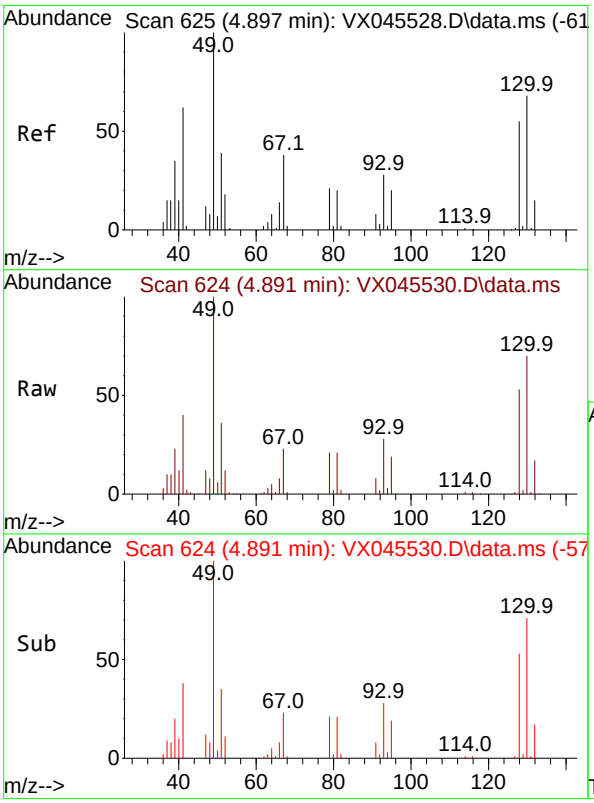
#27
cis-1,2-Dichloroethene
Concen: 152.571 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 205254

Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	313.2
98	64.9	0.0	126.4

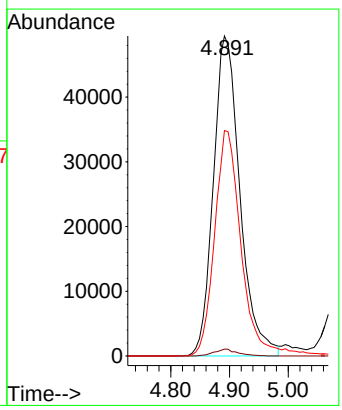


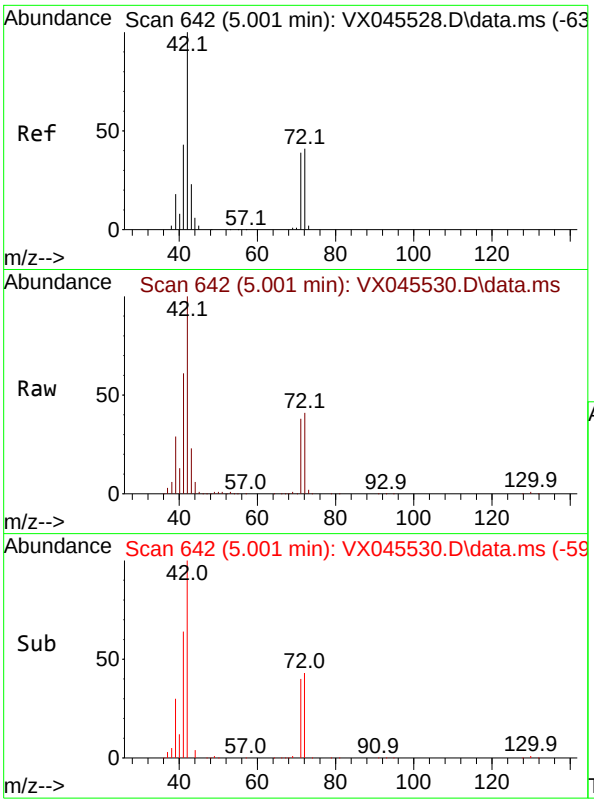


#28
Bromochloromethane
Concen: 140.938 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 49 Resp: 155600

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	70.7	54.6	81.8



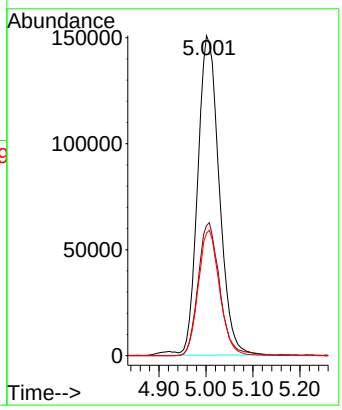


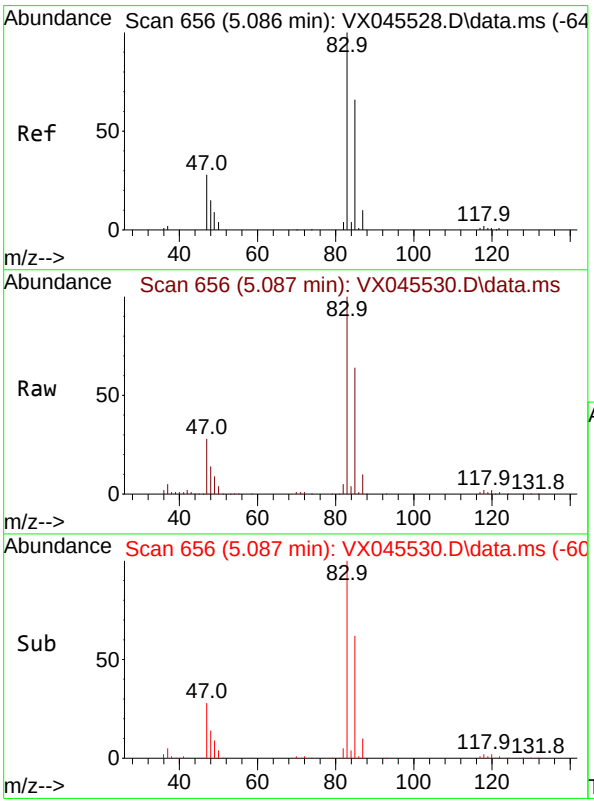
#29
Tetrahydrofuran
Concen: 741.226 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 475589

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.2	31.4	47.0

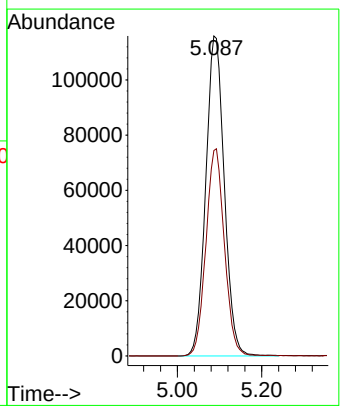


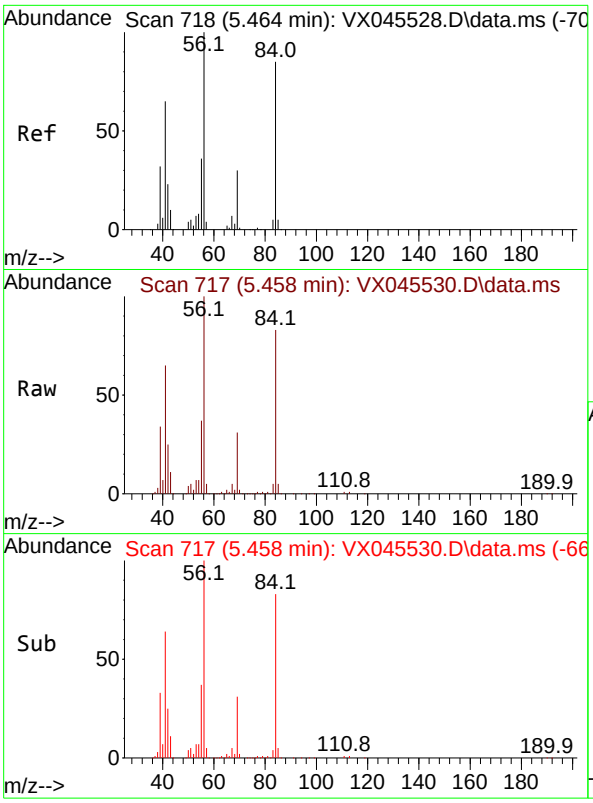


#30
Chloroform
Concen: 150.451 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 353681

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2



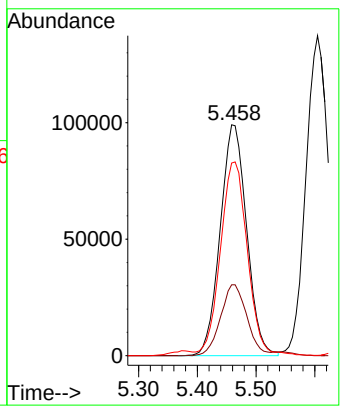


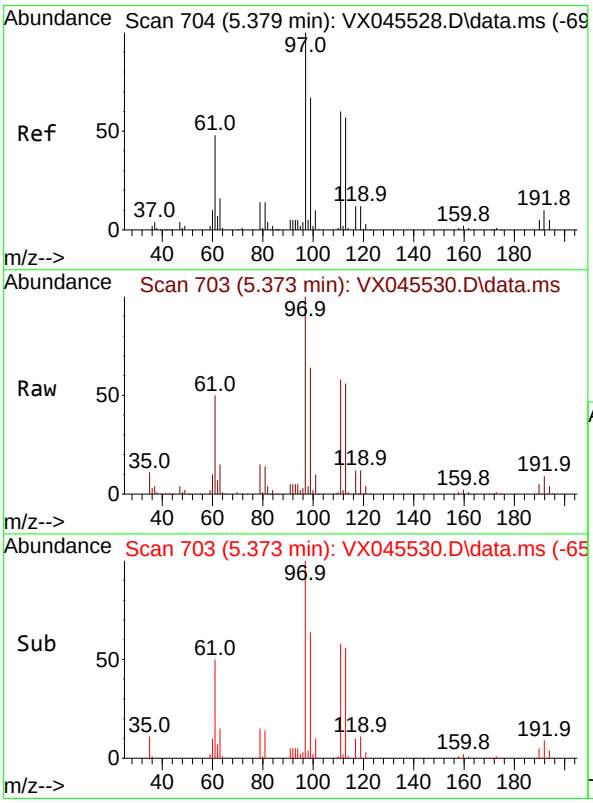
#31
Cyclohexane
Concen: 153.595 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 310219

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.6	35.4
84	81.9	67.7	101.5

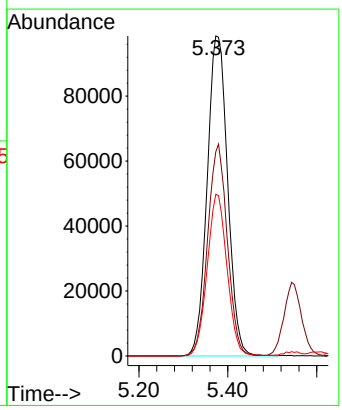


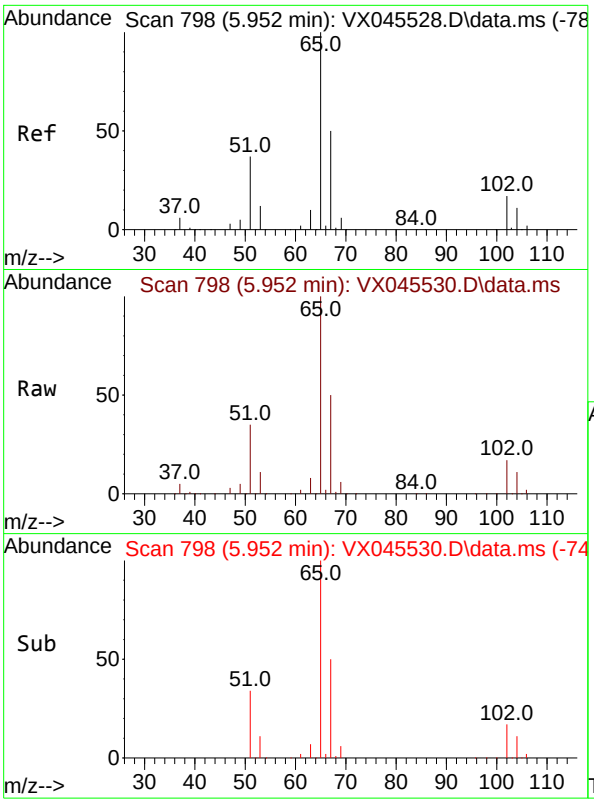


#32
1,1,1-Trichloroethane
Concen: 158.426 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 315136

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	49.1	41.0	61.4



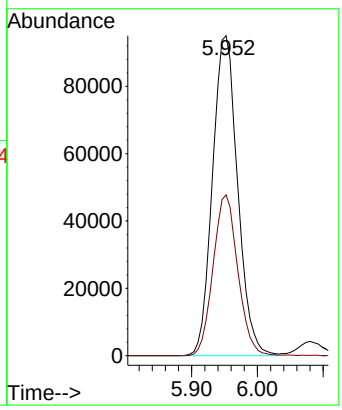


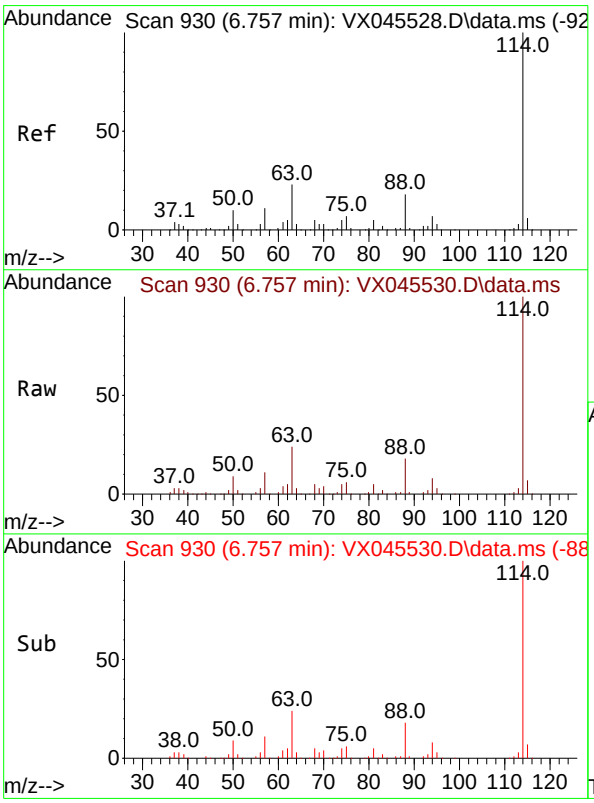
#33
1,2-Dichloroethane-d4
Concen: 153.661 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 252998

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

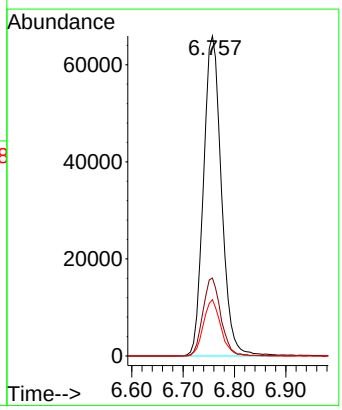


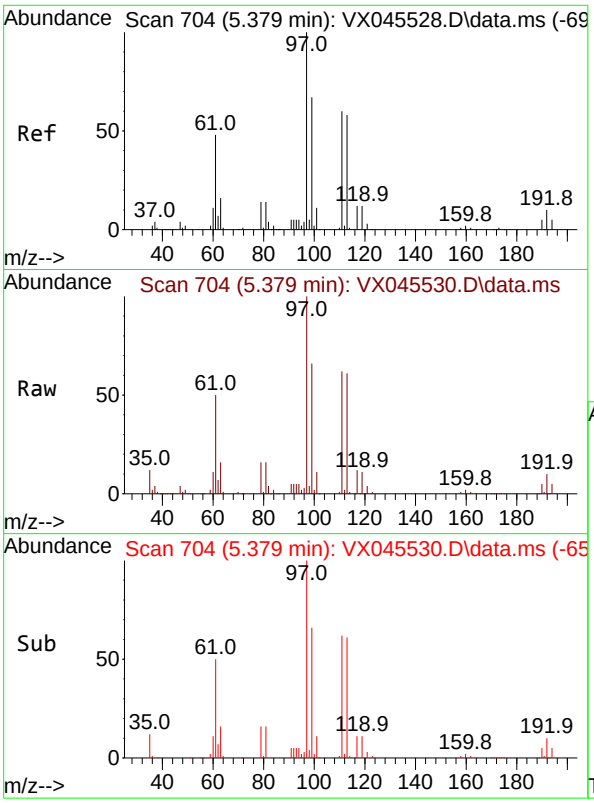


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:114 Resp: 160037

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	17.6	0.0	35.4



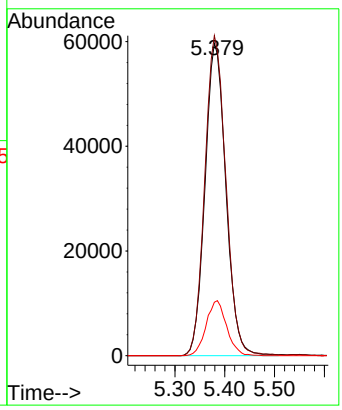


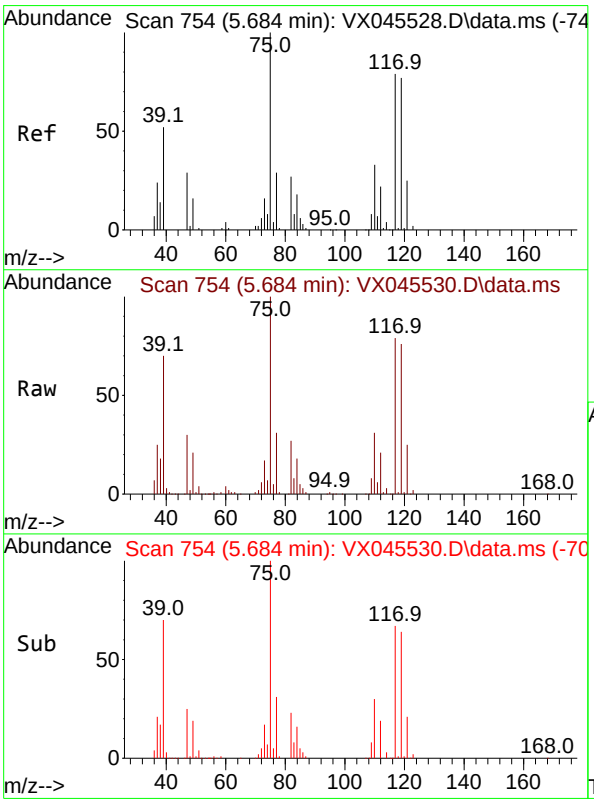
#35
Dibromofluoromethane
Concen: 152.887 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 173598

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	17.3	13.8	20.6

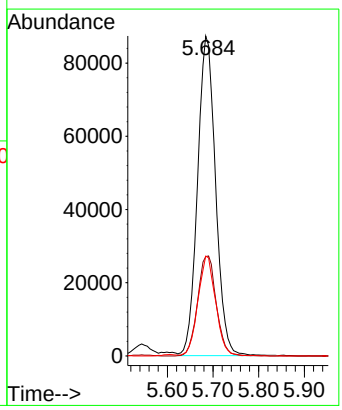


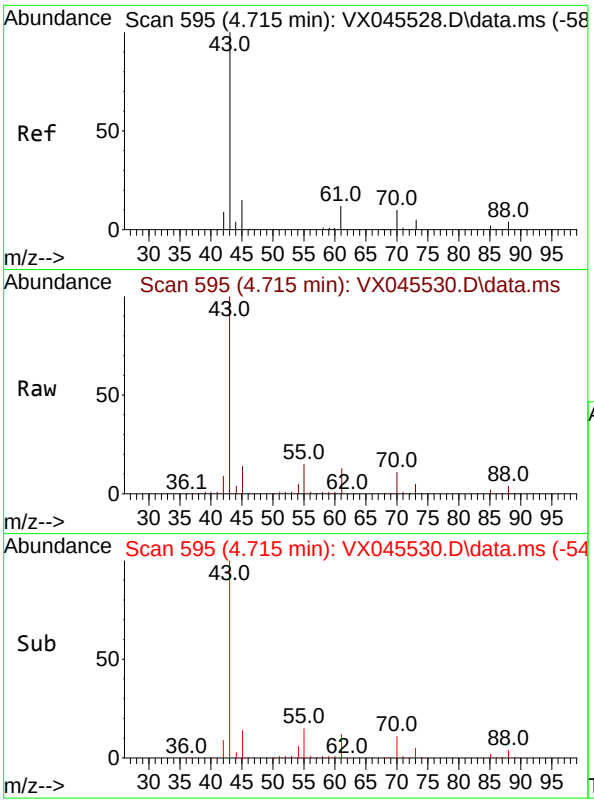


#36
1,1-Dichloropropene
Concen: 156.399 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 239776

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.9	50.6
77	30.6	25.0	37.4



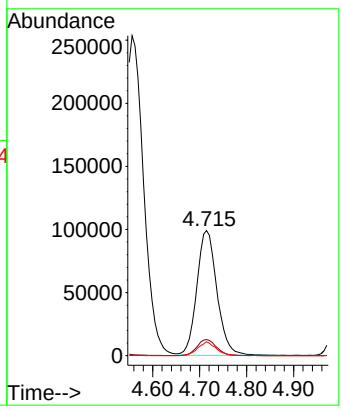


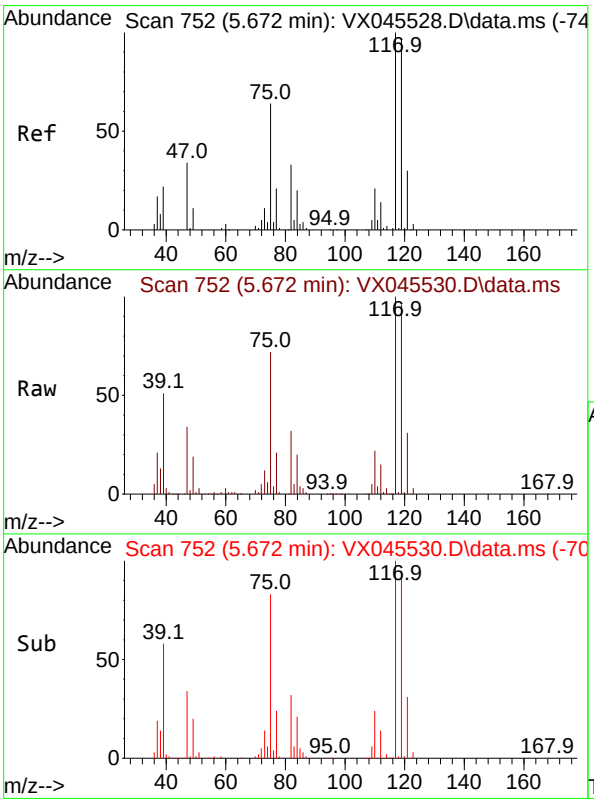
#37
Ethyl Acetate
Concen: 152.461 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 294559

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.9	14.9
70	10.0	7.5	11.3

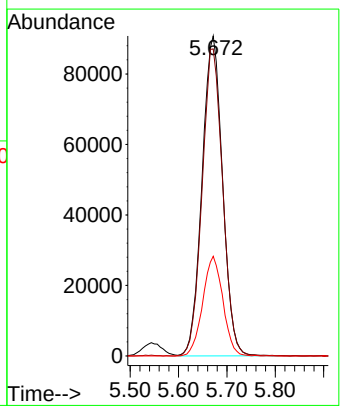


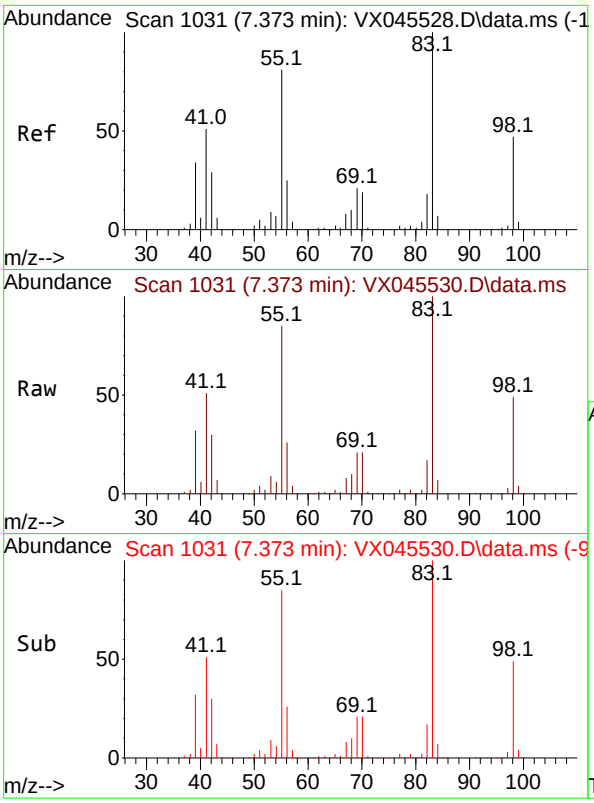


#38
Carbon Tetrachloride
Concen: 161.005 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 266770

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	31.2	24.2	36.2



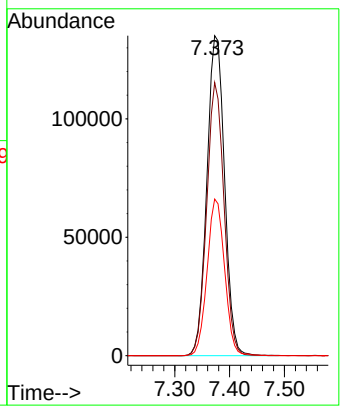


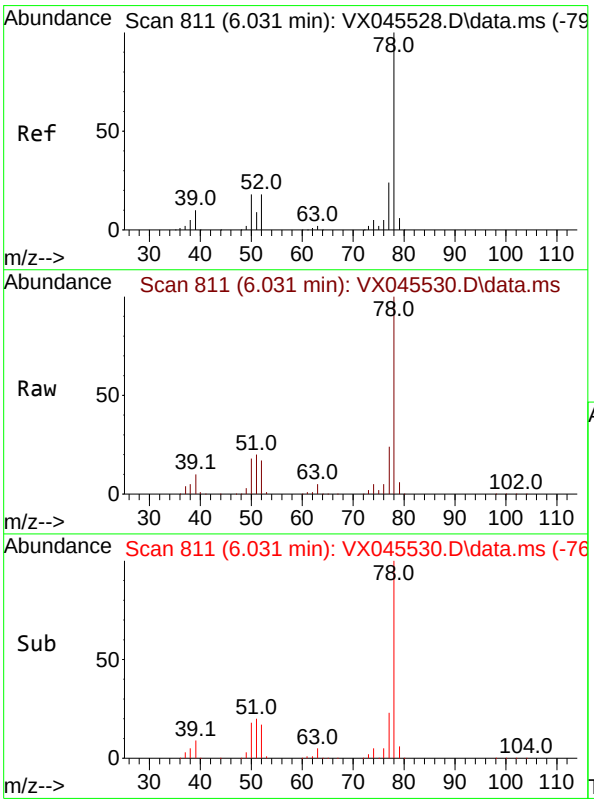
#39
Methylcyclohexane
Concen: 161.366 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 303251

Ion	Ratio	Lower	Upper
83	100		
55	85.4	64.9	97.3
98	49.0	37.4	56.0

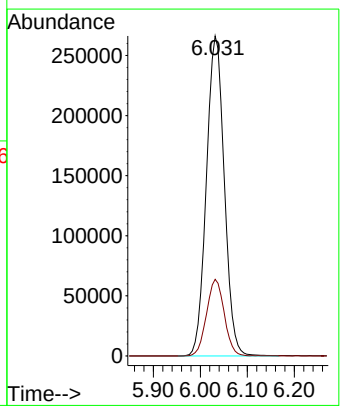


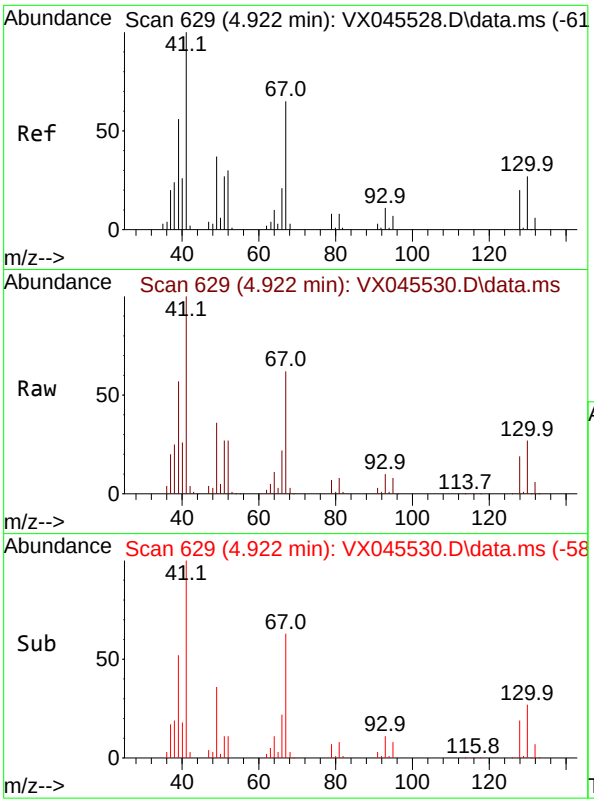


#40
Benzene
Concen: 150.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 78 Resp: 703311

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6



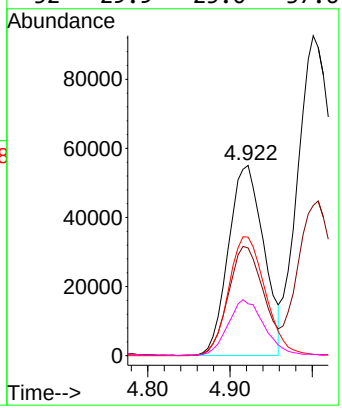


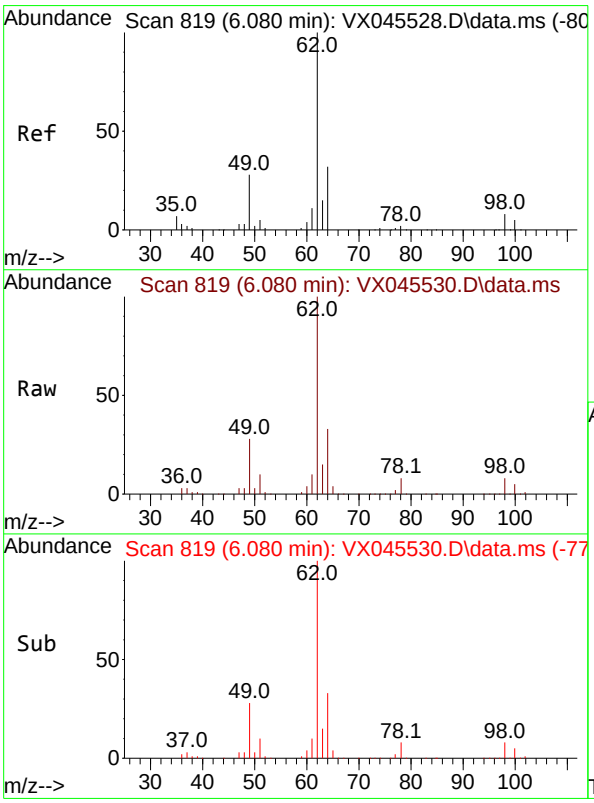
#41
Methacrylonitrile
Concen: 160.155 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 164699

Ion	Ratio	Lower	Upper
41	100		
39	57.4	47.0	70.6
67	65.5	53.2	79.8
52	29.9	25.0	37.6

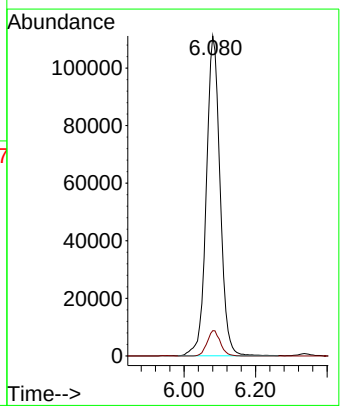


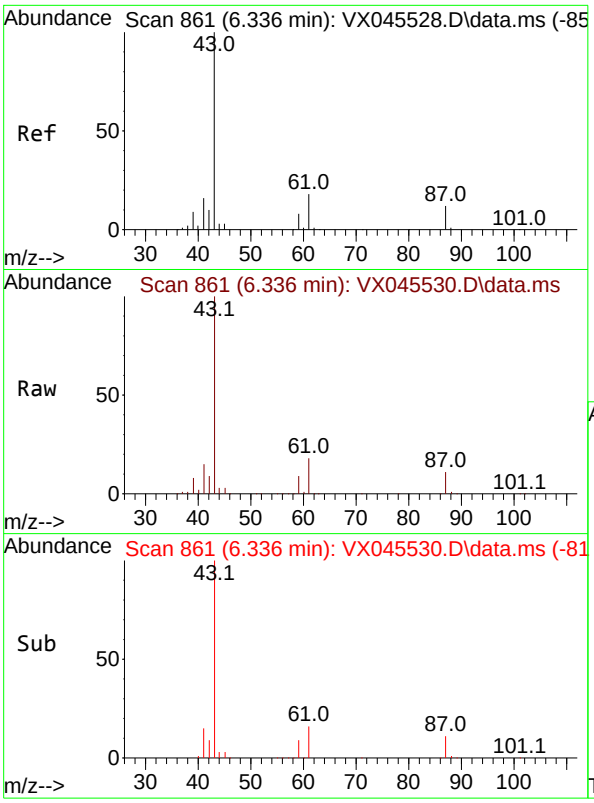


#42
1,2-Dichloroethane
Concen: 153.146 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 296168

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



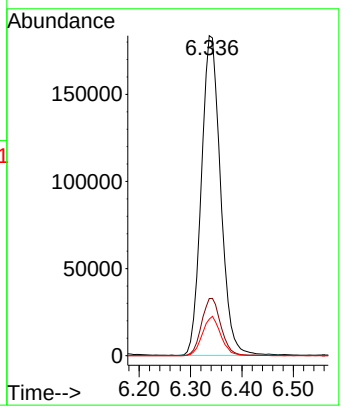


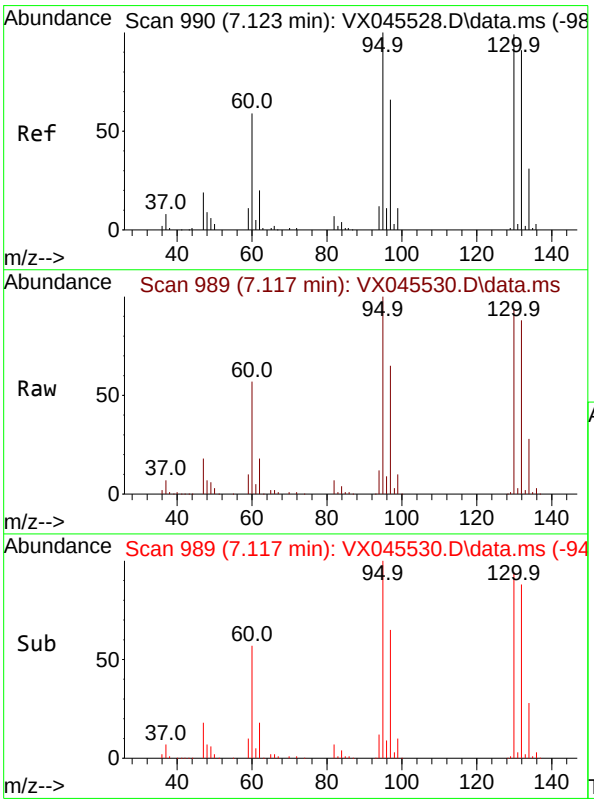
#43
Isopropyl Acetate
Concen: 162.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 475823

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	11.8	9.2	13.8

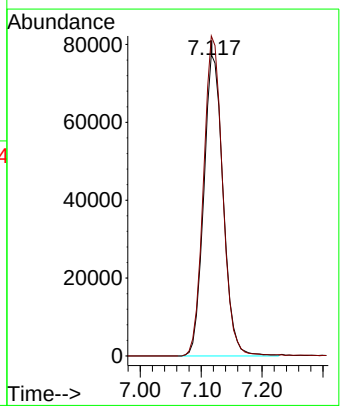


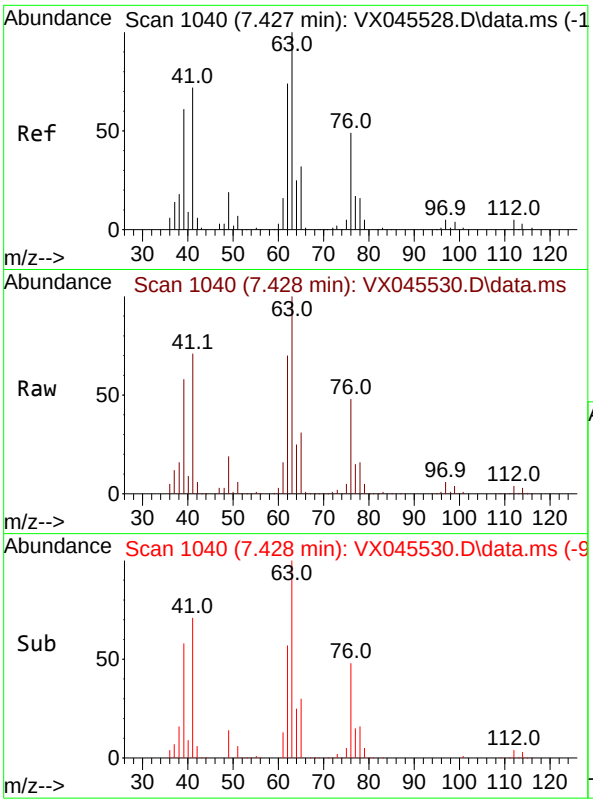


#44
Trichloroethene
Concen: 153.599 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:130 Resp: 170940

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0



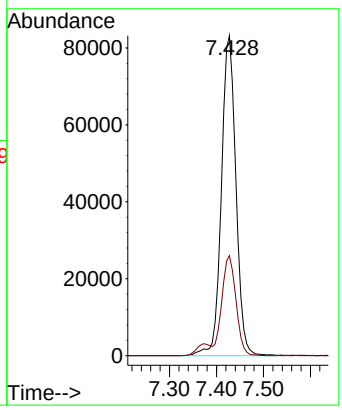


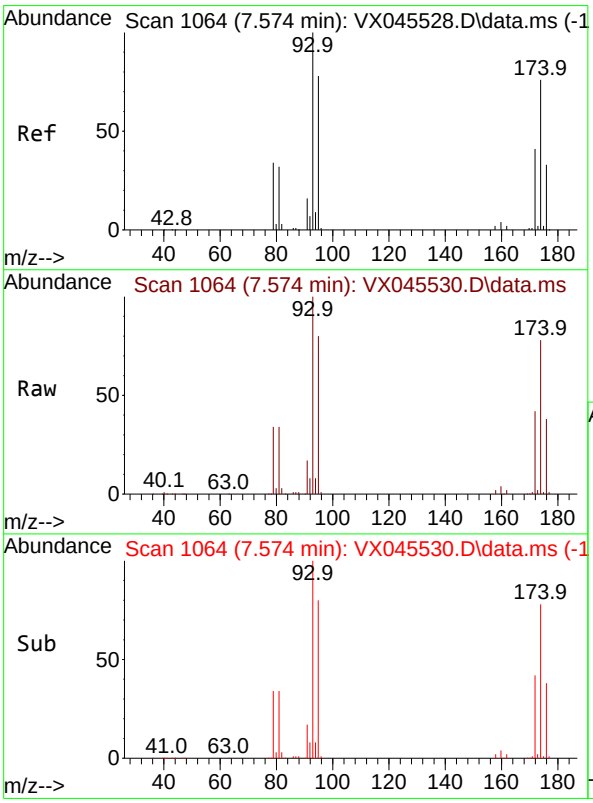
#45
1,2-Dichloropropane
Concen: 153.610 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 179457

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.6

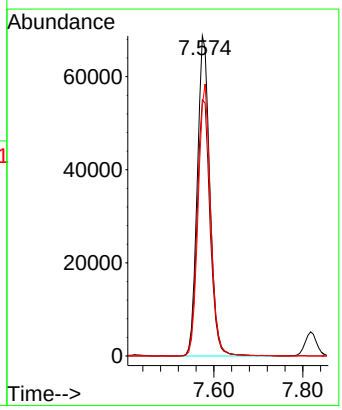


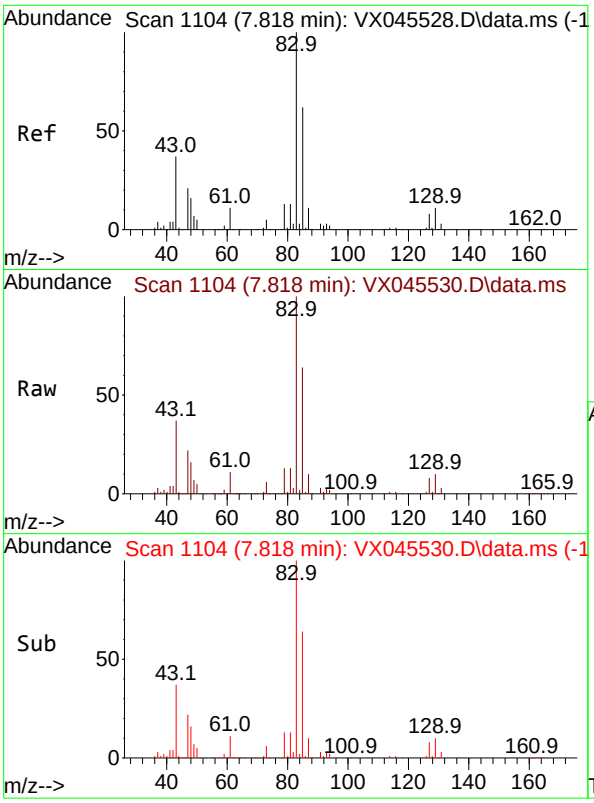


#46
Dibromomethane
Concen: 150.996 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 93 Resp: 135415

Ion	Ratio	Lower	Upper
93	100		
95	82.4	64.8	97.2
174	84.1	65.4	98.0



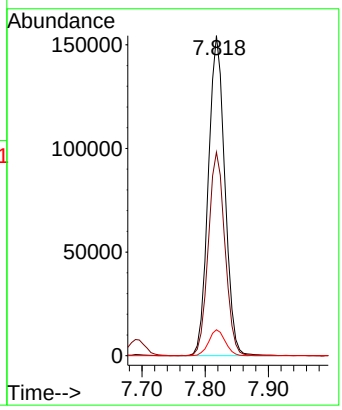


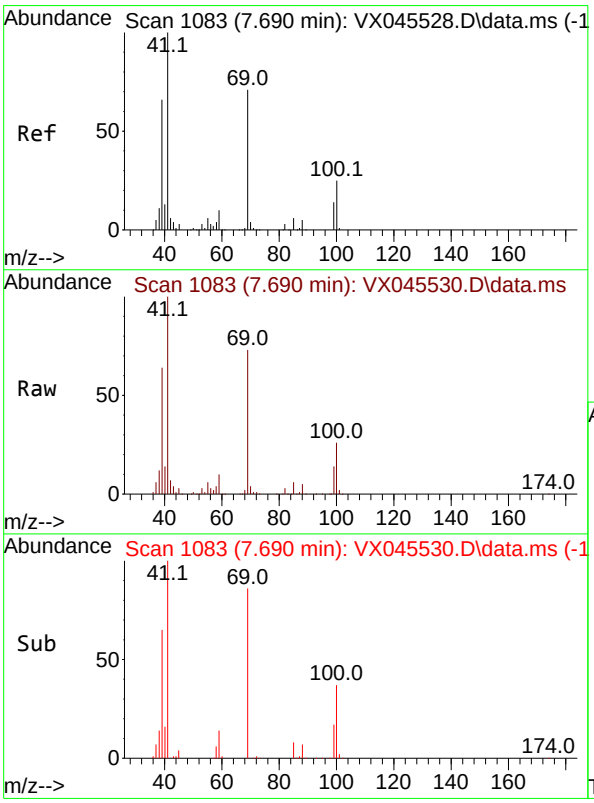
#47
Bromodichloromethane
Concen: 156.272 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 279881

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	8.1	6.1	9.1

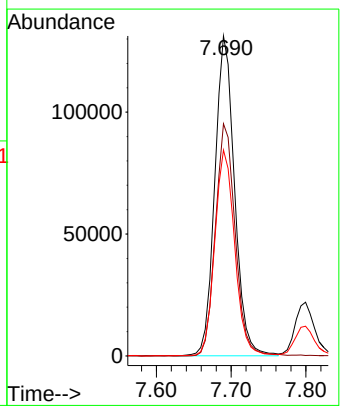


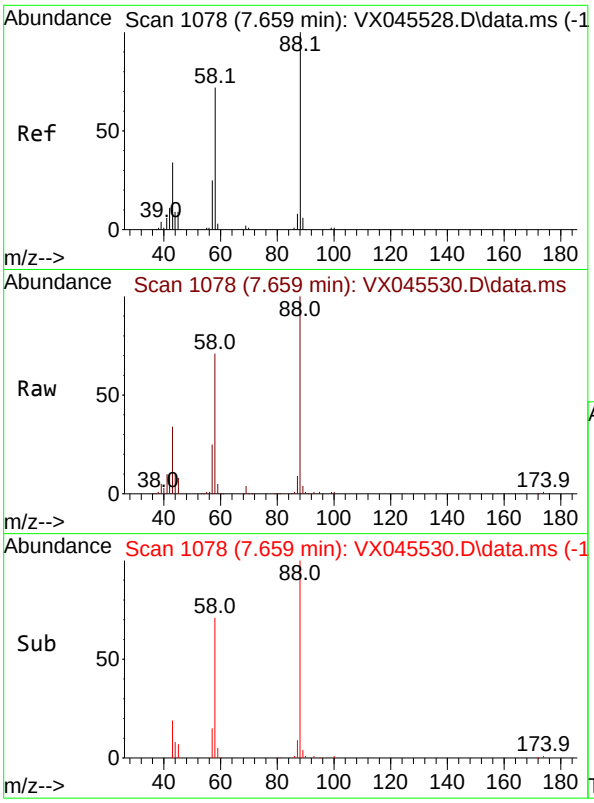


#48
Methyl methacrylate
Concen: 159.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 240818

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.2	87.2
39	64.9	53.6	80.4



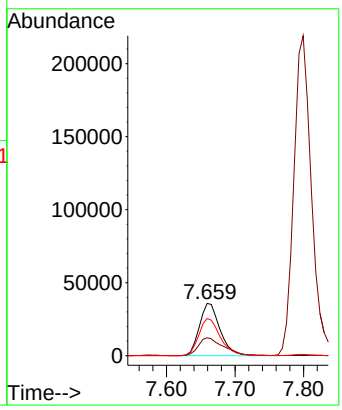


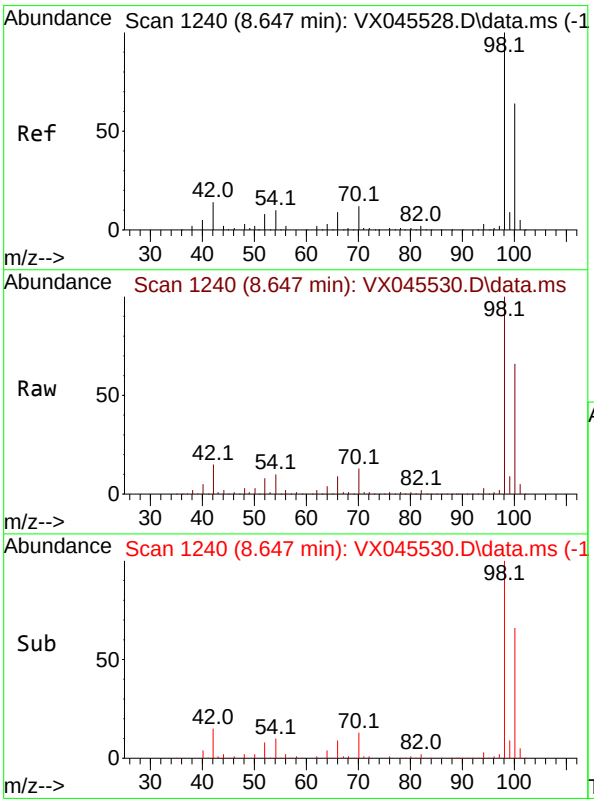
#49
1,4-Dioxane
Concen: 2739.196 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 74929

Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	74.2	58.6	88.0

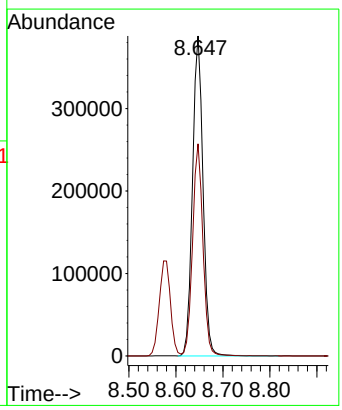


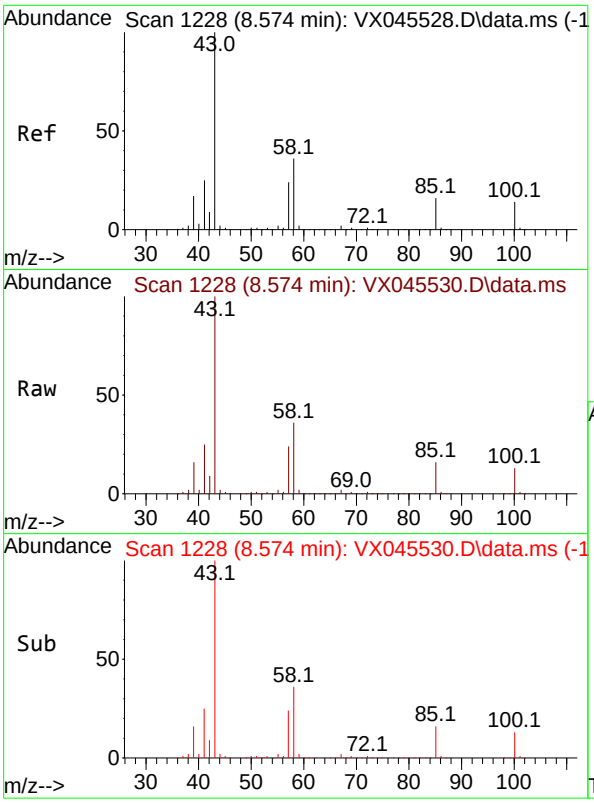


#50
Toluene-d8
Concen: 152.216 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 98 Resp: 603264

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4



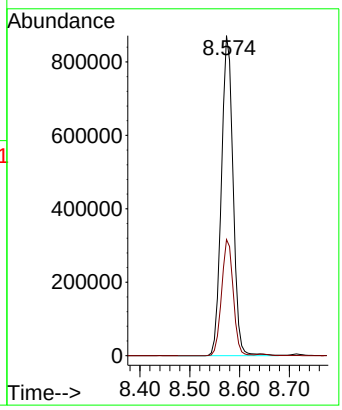


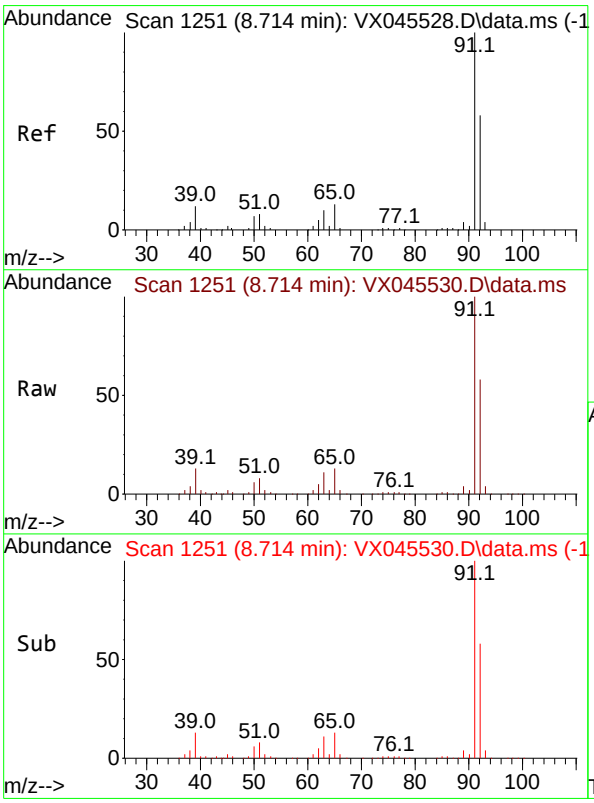
#51
4-Methyl-2-Pentanone
Concen: 728.817 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1414771

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.5	42.7

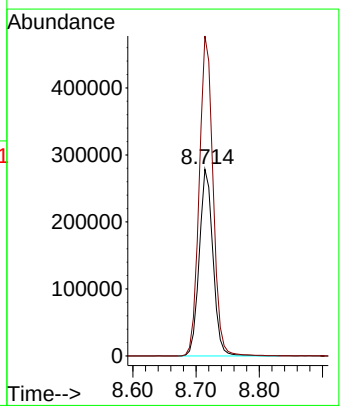


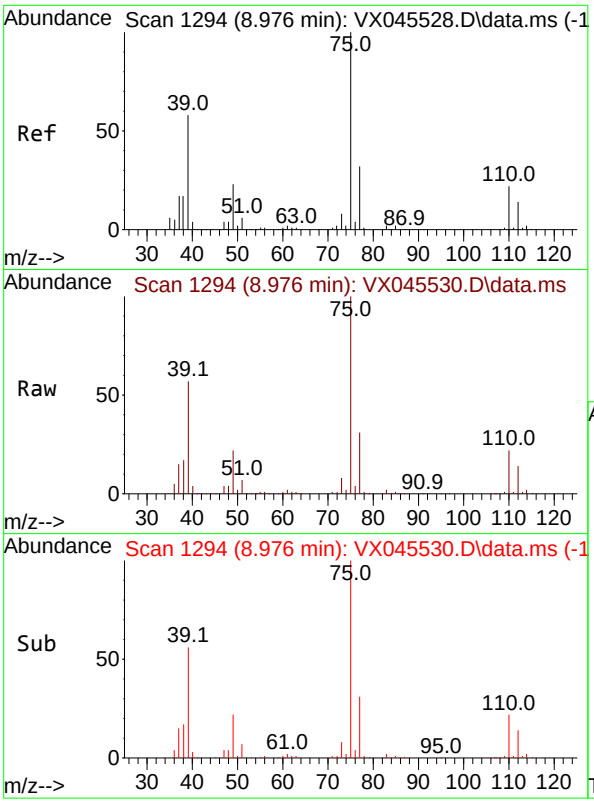


#52
Toluene
Concen: 148.245 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 92 Resp: 420015

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.7	208.1



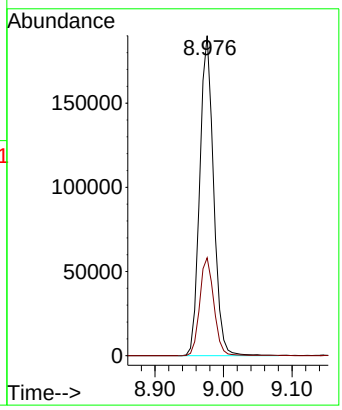


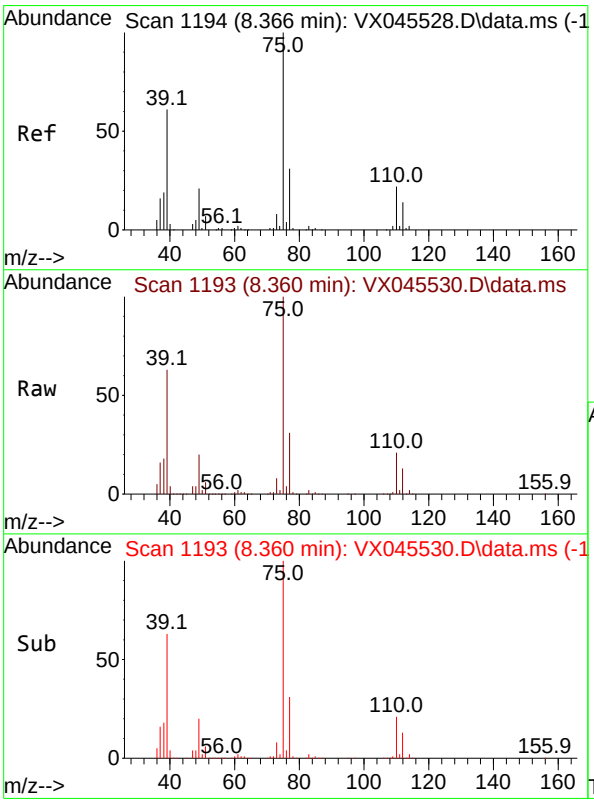
#53
t-1,3-Dichloropropene
Concen: 150.589 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 267671

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0

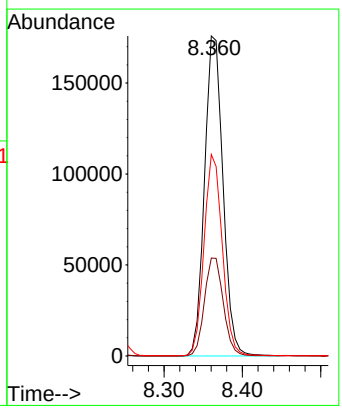


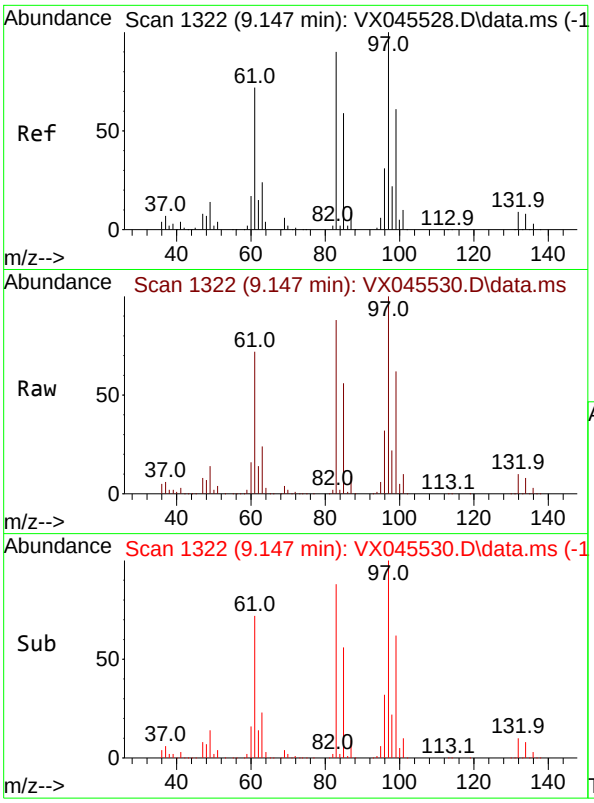


#54
cis-1,3-Dichloropropene
Concen: 171.104 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 287973

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	62.9	48.4	72.6



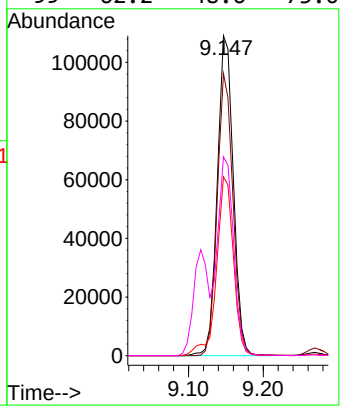


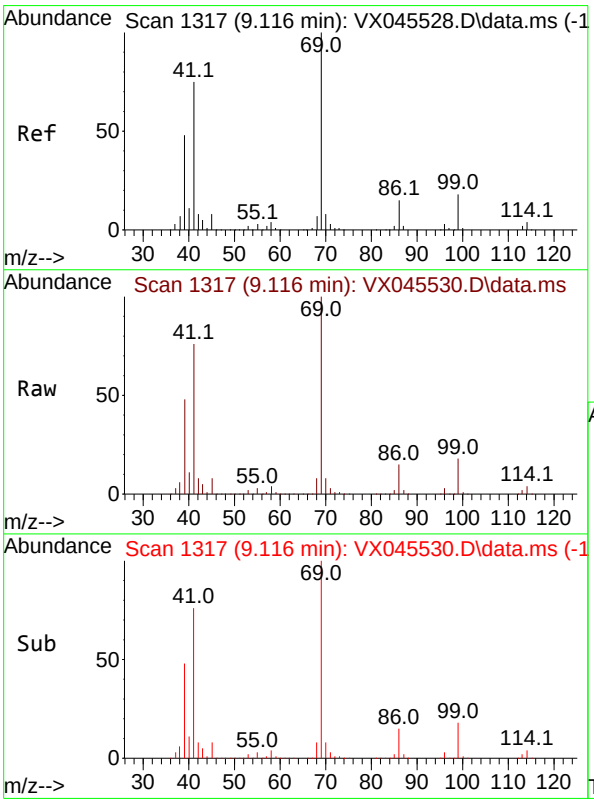
#55
1,1,2-Trichloroethane
Concen: 144.752 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 163426

Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.9	47.0	70.6
99	62.2	48.6	73.0

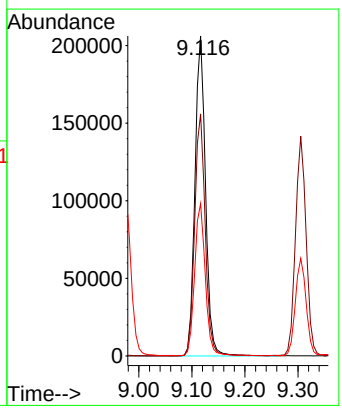


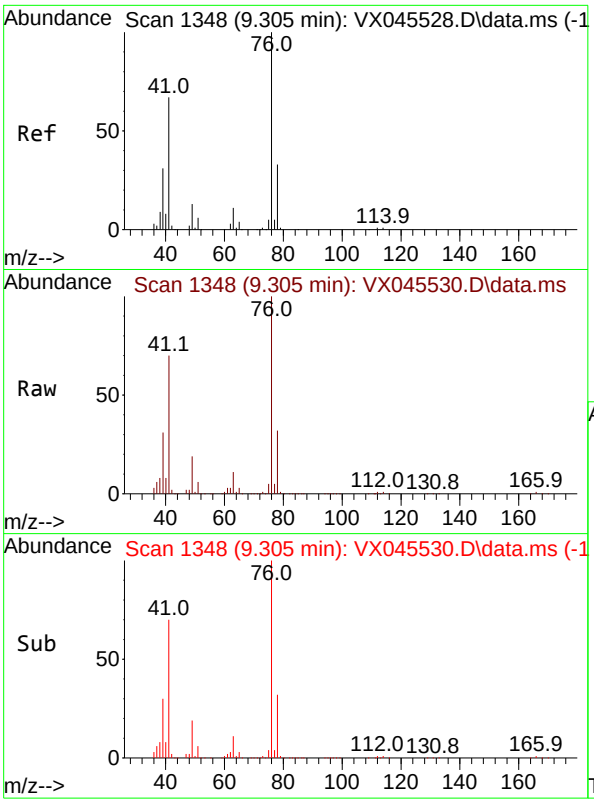


#56
Ethyl methacrylate
Concen: 163.624 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 69 Resp: 285895

Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.3	91.9
39	48.0	40.2	60.2



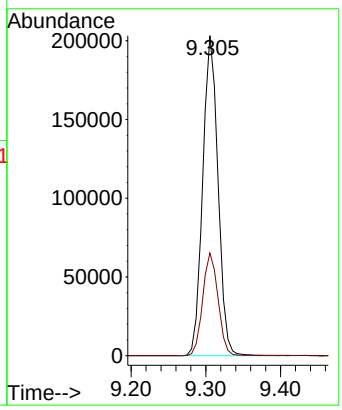


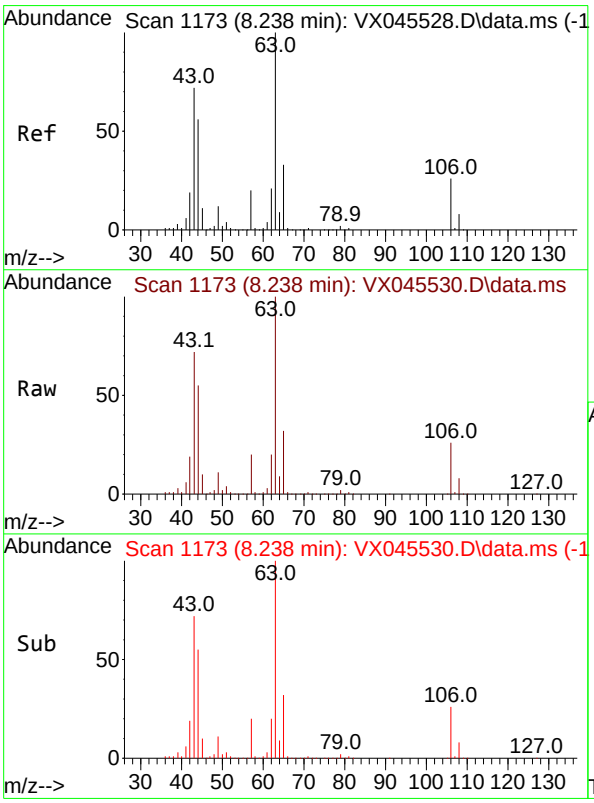
#57
1,3-Dichloropropane
Concen: 146.708 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 288430

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

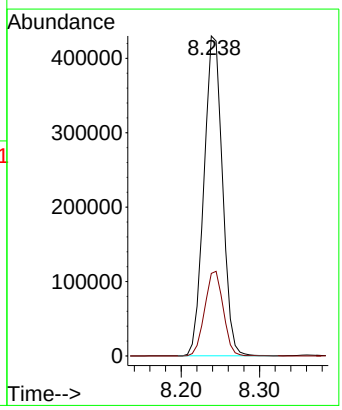


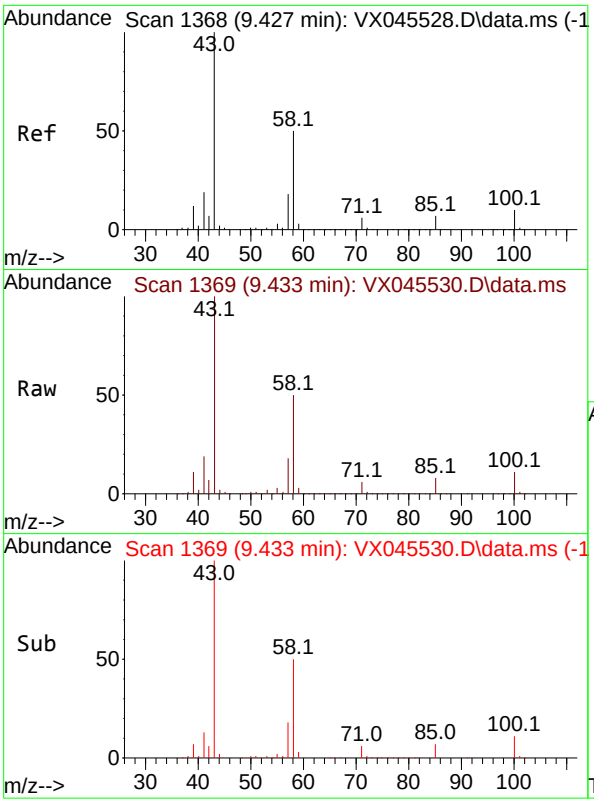


#58
2-Chloroethyl Vinyl ether
Concen: 796.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 703881

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6



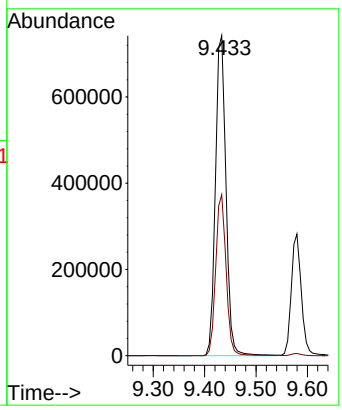


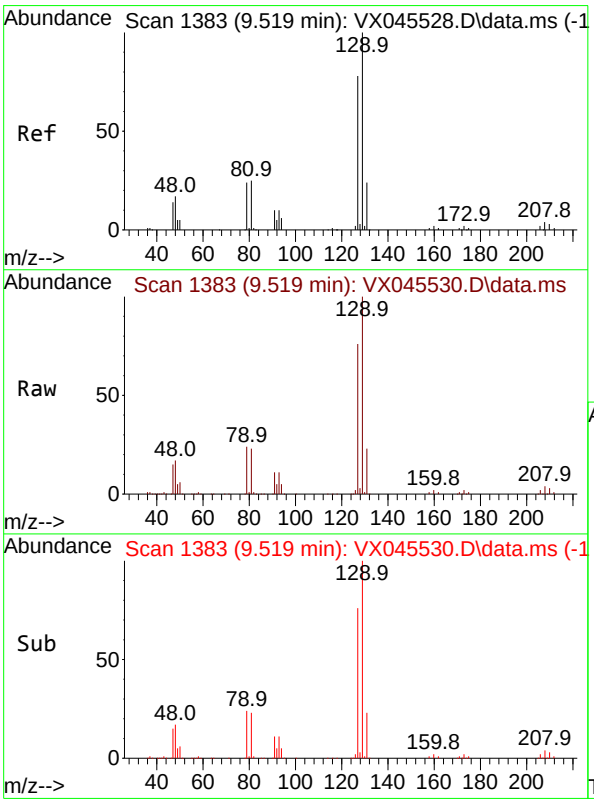
#59
2-Hexanone
Concen: 733.198 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1053971

Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

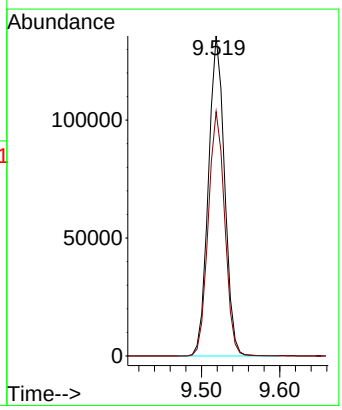


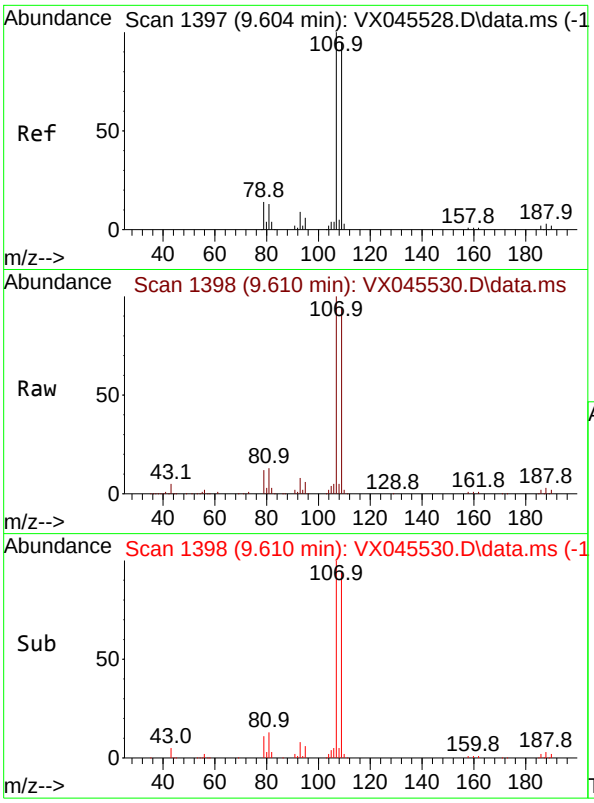


#60
Dibromochloromethane
Concen: 157.895 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:129 Resp: 194342

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.4	118.2



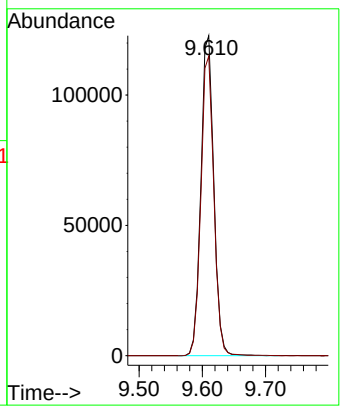


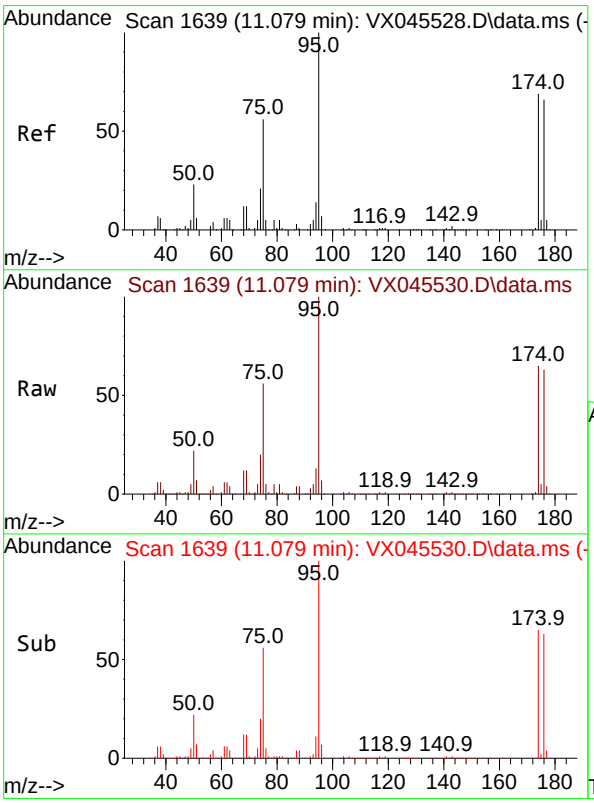
#61
1,2-Dibromoethane
Concen: 152.745 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 174571

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5

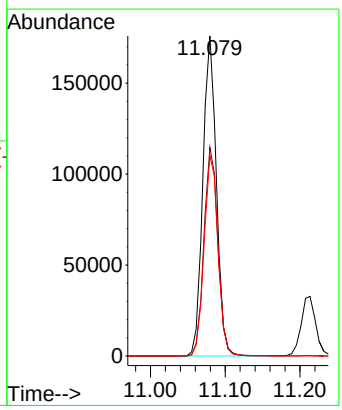


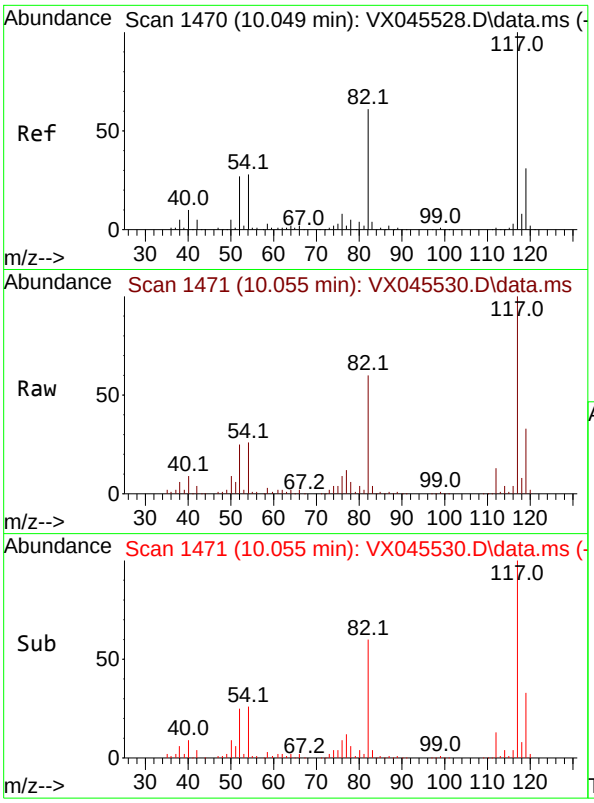


#62
4-Bromofluorobenzene
Concen: 153.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 95 Resp: 220921

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	64.3	0.0	131.4



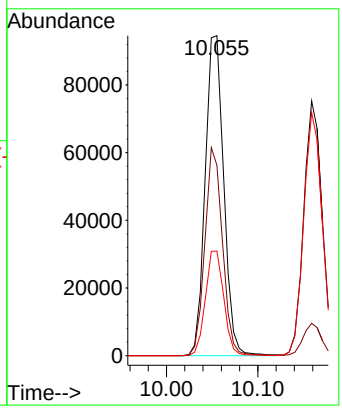


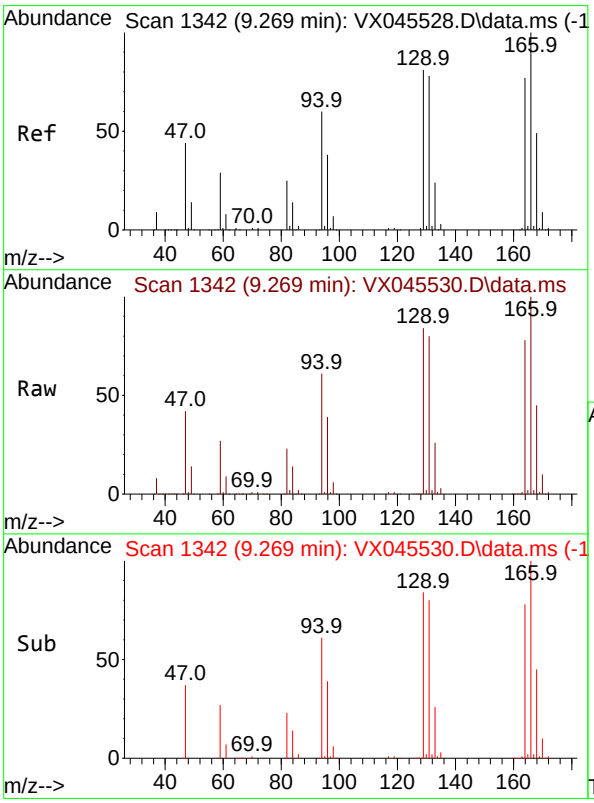
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 133342

Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.7	25.1	37.7

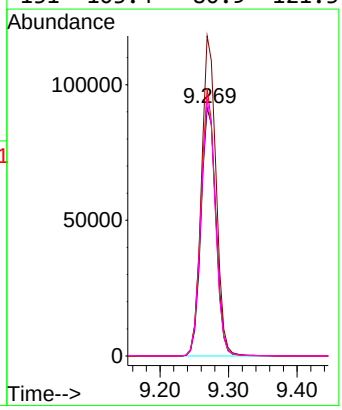


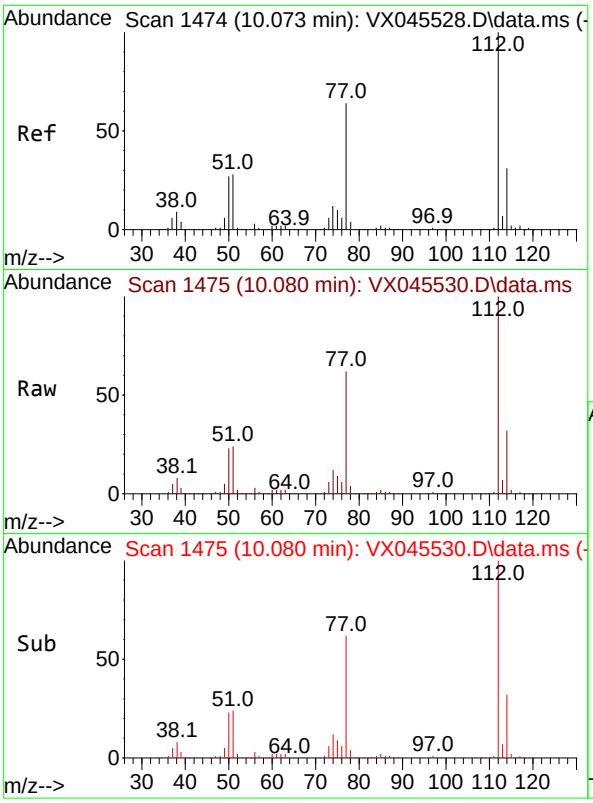


#64
Tetrachloroethene
Concen: 147.568 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:164 Resp: 138926

Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.8	155.8
129	107.9	84.3	126.5
131	103.4	80.9	121.3



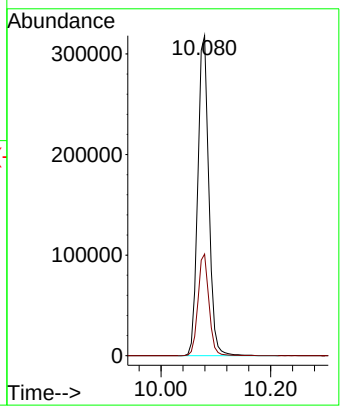


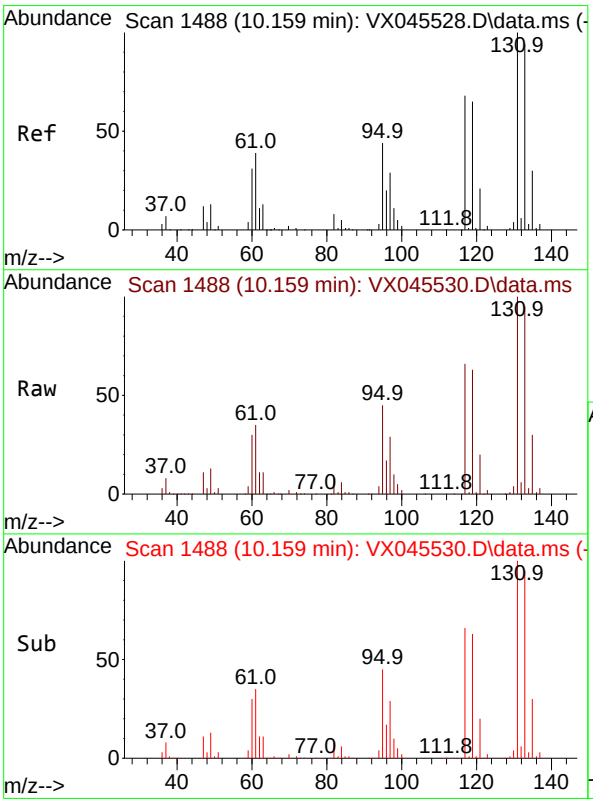
#65
Chlorobenzene
Concen: 156.049 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 444631

Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.7	37.1

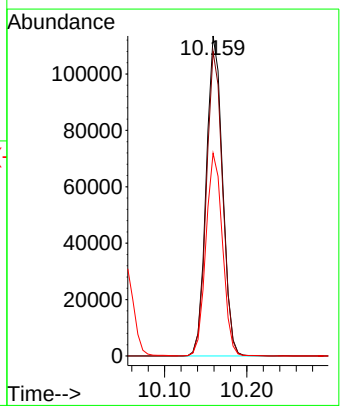


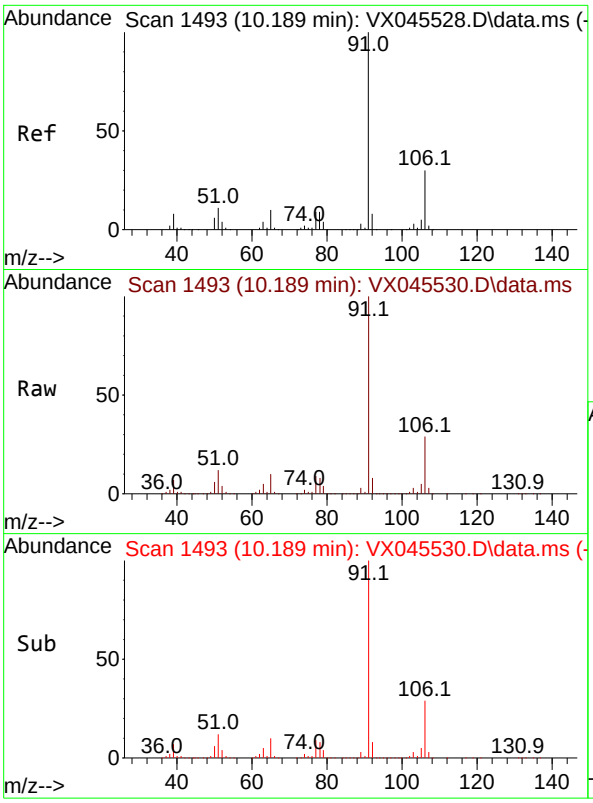


#66
1,1,1,2-Tetrachloroethane
Concen: 157.769 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:131 Resp: 156069

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.5	142.5
119	64.4	32.9	98.6



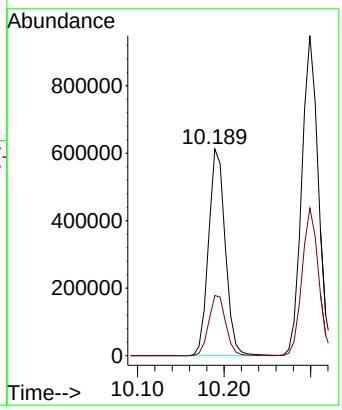


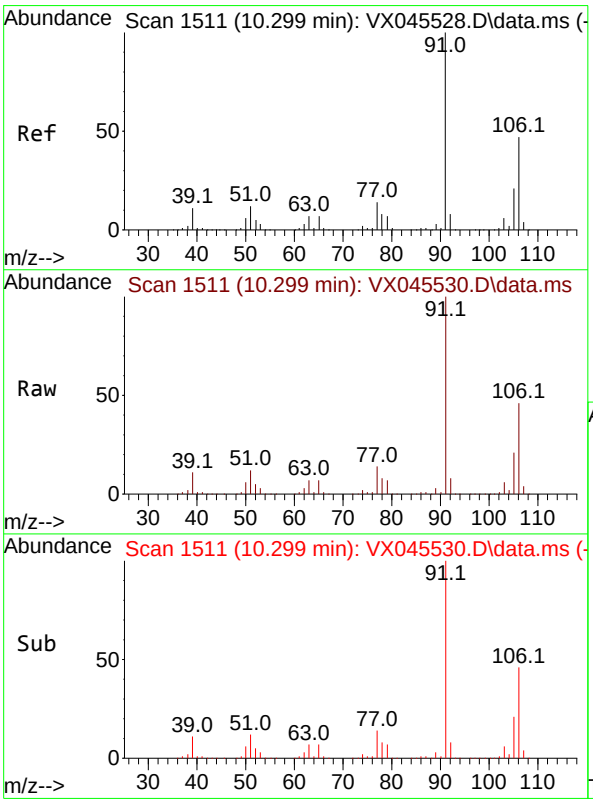
#67
Ethyl Benzene
Concen: 160.907 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 821130

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.7	35.5

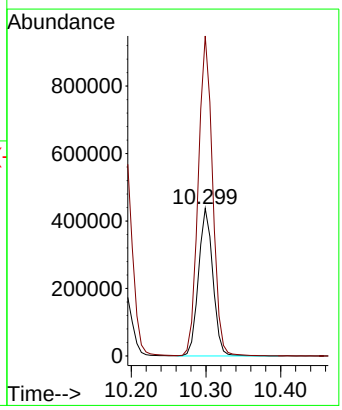


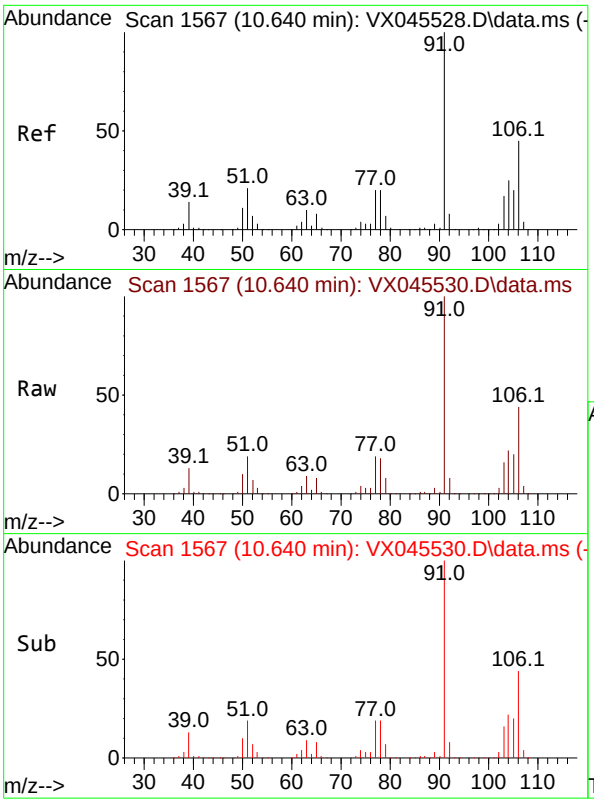


#68
m/p-Xylenes
Concen: 314.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 583228

Ion	Ratio	Lower	Upper
106	100		
91	216.7	172.6	258.8



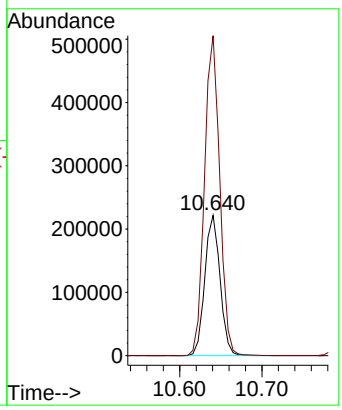


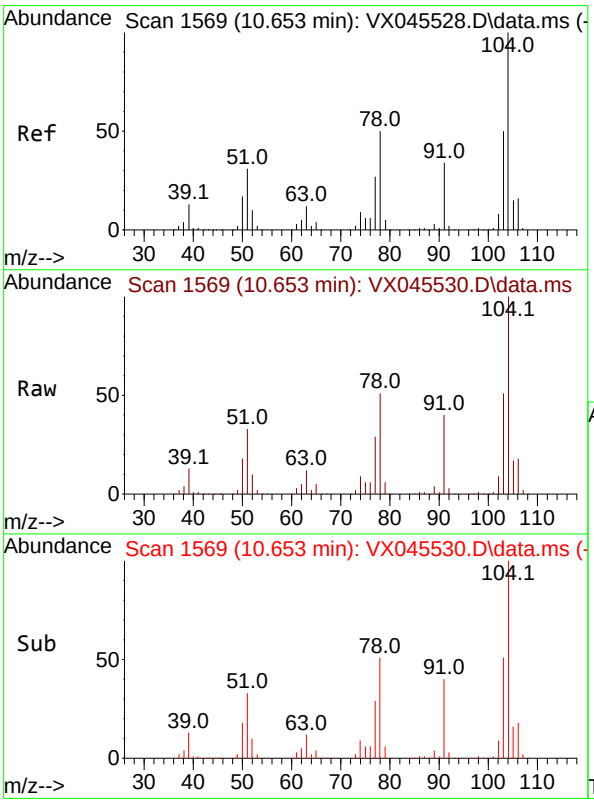
#69
o-Xylene
Concen: 156.241 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 285670

Ion	Ratio	Lower	Upper
106	100		
91	227.6	113.6	340.6

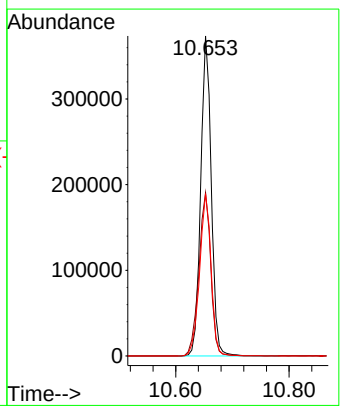


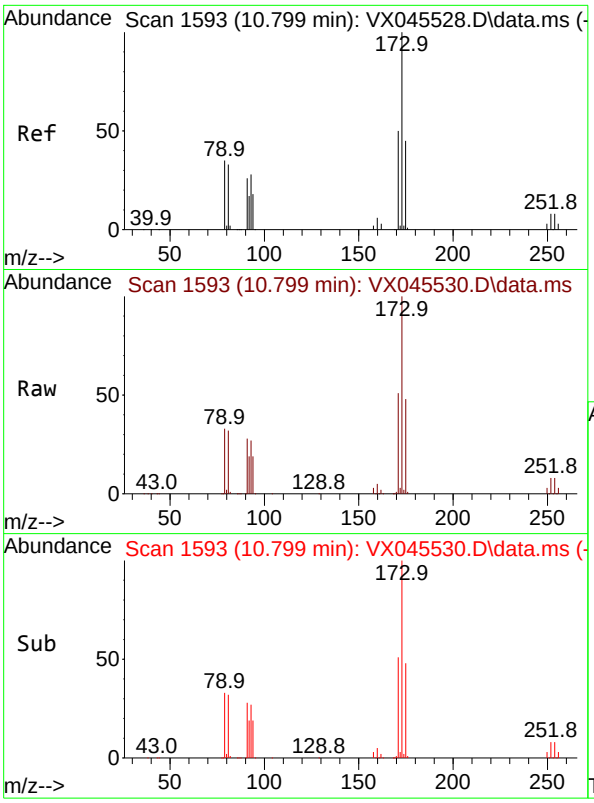


#70
Styrene
Concen: 159.299 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:104 Resp: 480722

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.4	68.2
103	55.4	43.8	65.8



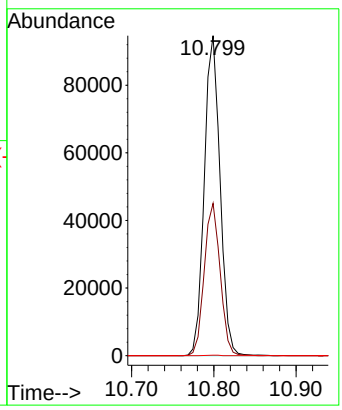


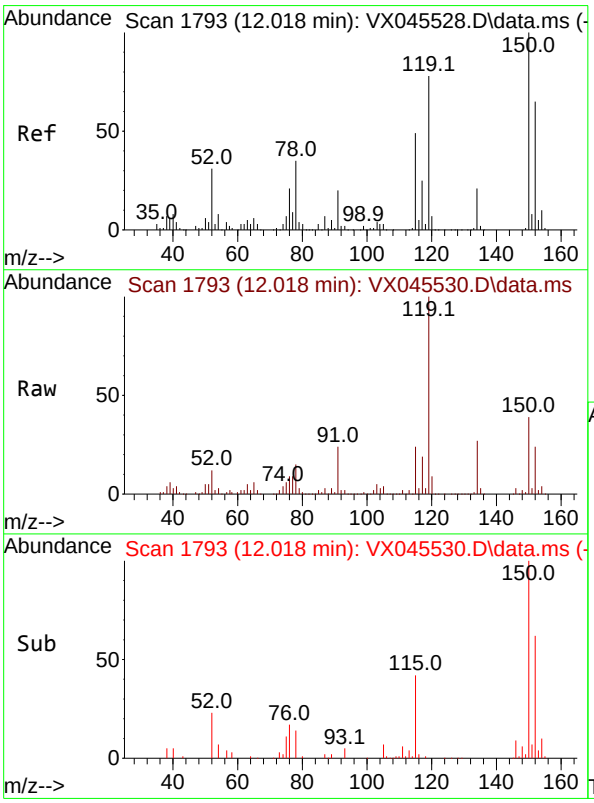
#71
Bromoform
Concen: 170.743 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 126115

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	0.1	0.0	0.0#

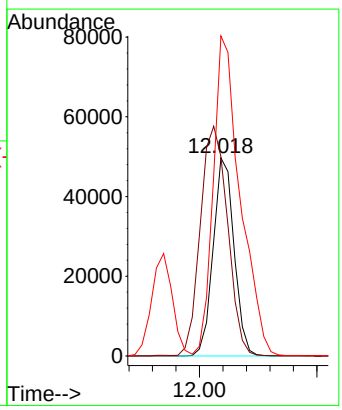


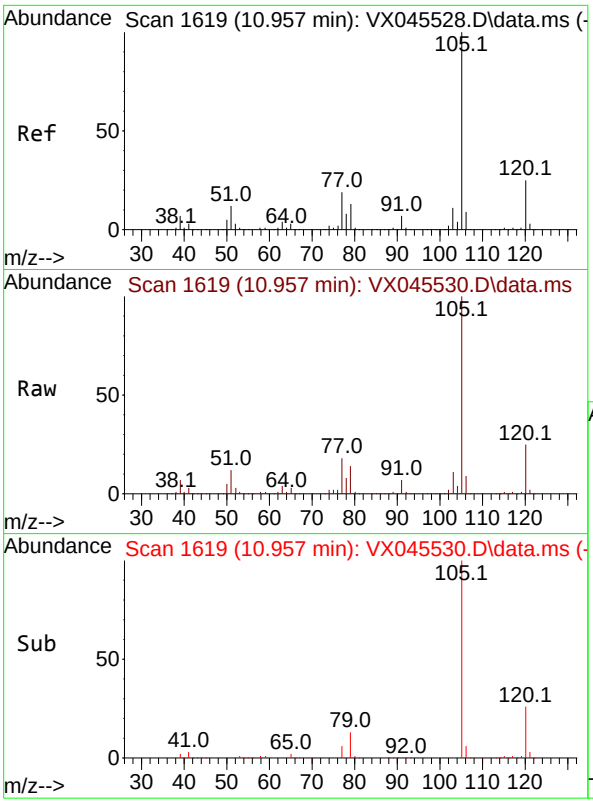


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:152 Resp: 61380

Ion	Ratio	Lower	Upper
152	100		
115	151.4	46.9	140.7#
150	208.6	0.0	349.4



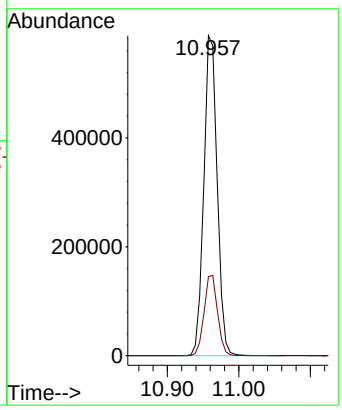


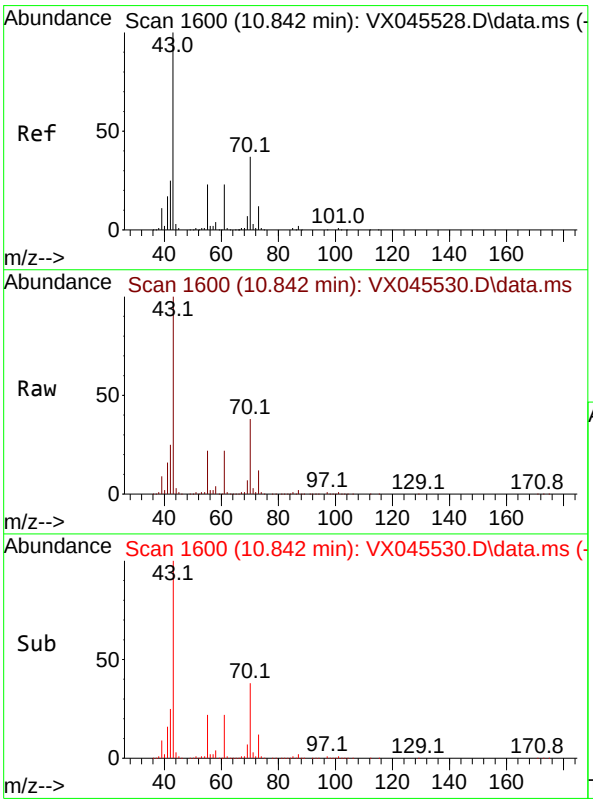
#73
Isopropylbenzene
Concen: 155.475 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 764406

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

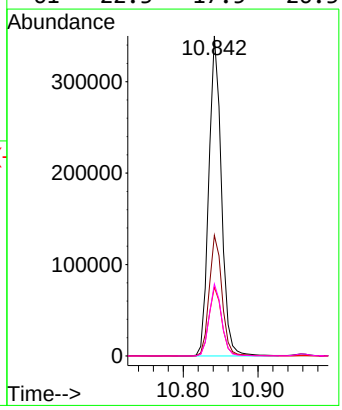


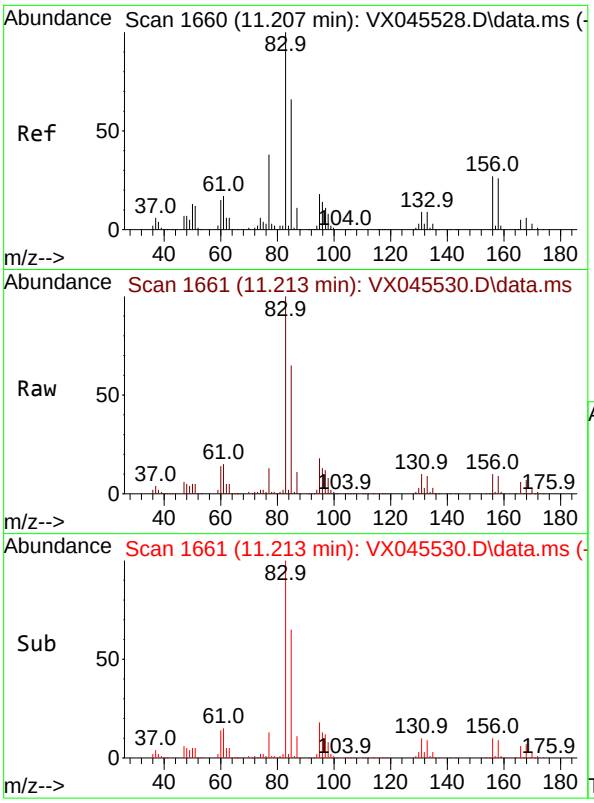


#74
N-amyl acetate
Concen: 173.877 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 408934

Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.1	45.1
55	22.0	18.3	27.5
61	22.3	17.5	26.3



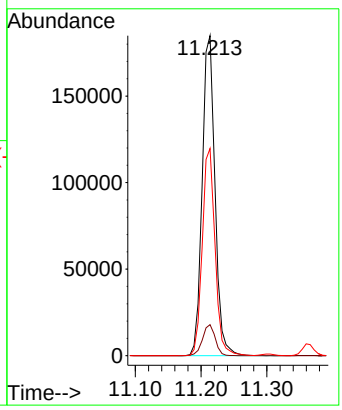


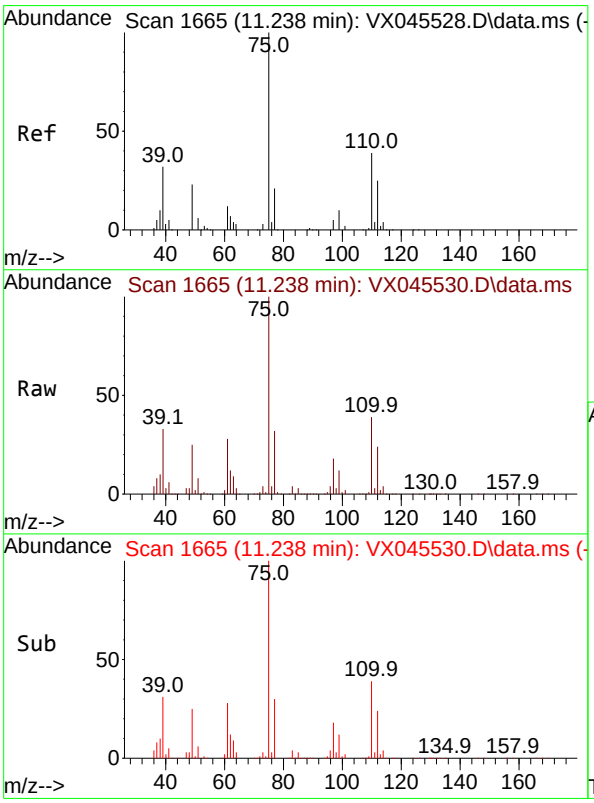
#75
1,1,2,2-Tetrachloroethane
Concen: 144.737 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 249980

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.8	32.4	97.2

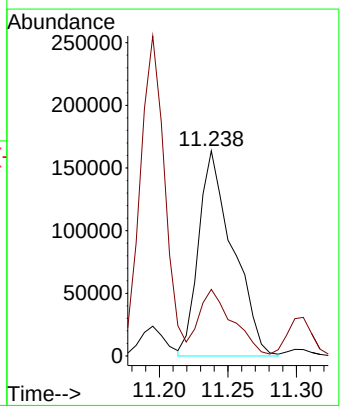


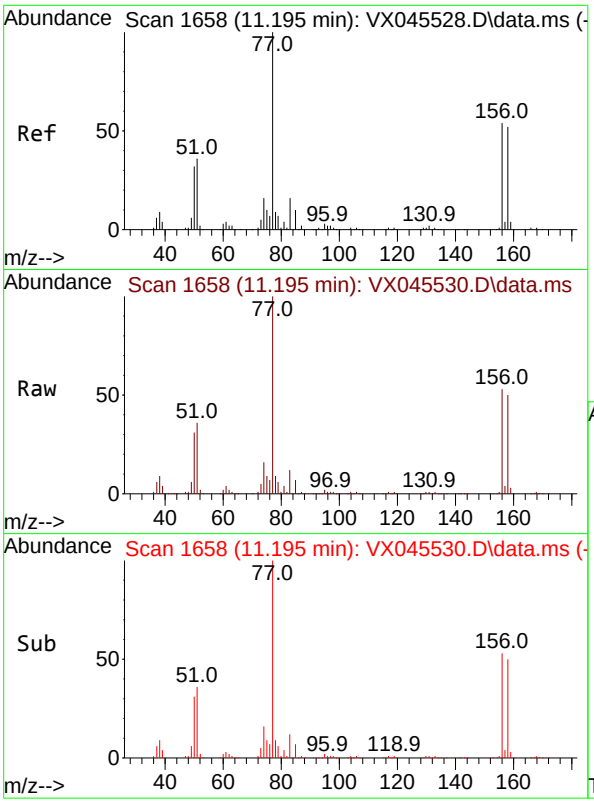


#76
1,2,3-Trichloropropane
Concen: 190.257 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 284853

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.0	59.9



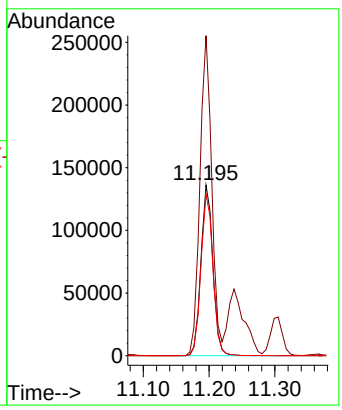


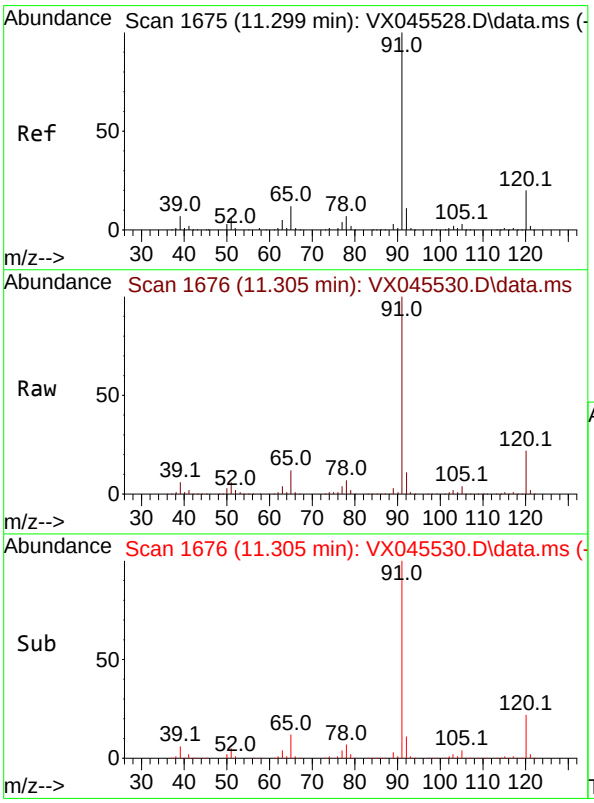
#77
Bromobenzene
Concen: 151.033 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 171573

Ion	Ratio	Lower	Upper
156	100		
77	185.8	92.6	277.8
158	95.3	48.1	144.4

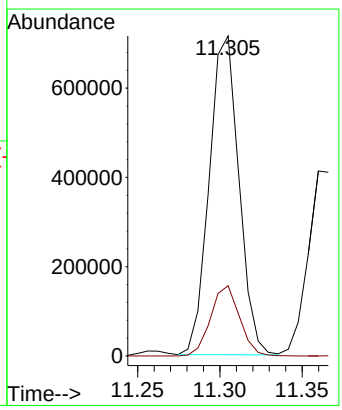


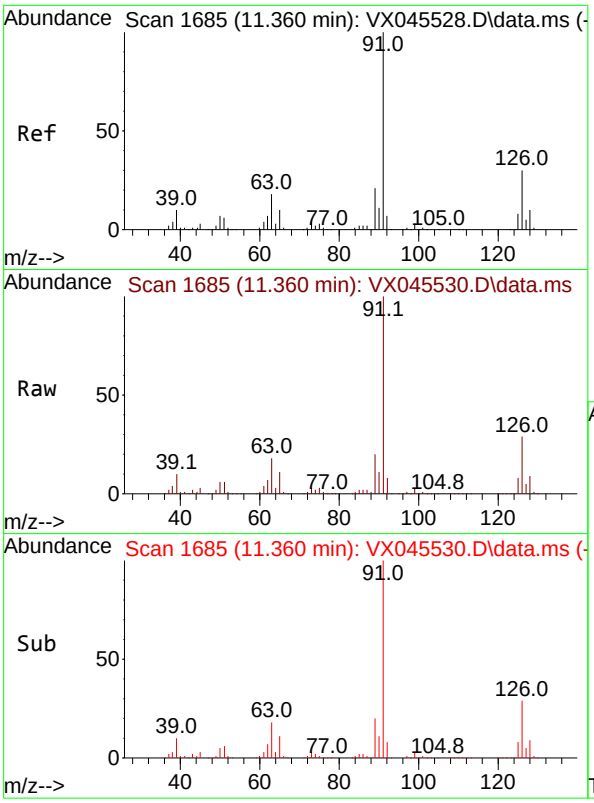


#78
n-propylbenzene
Concen: 158.408 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 897084

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3



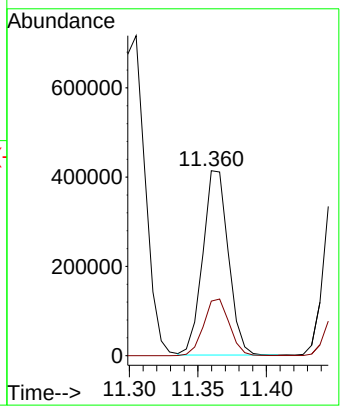


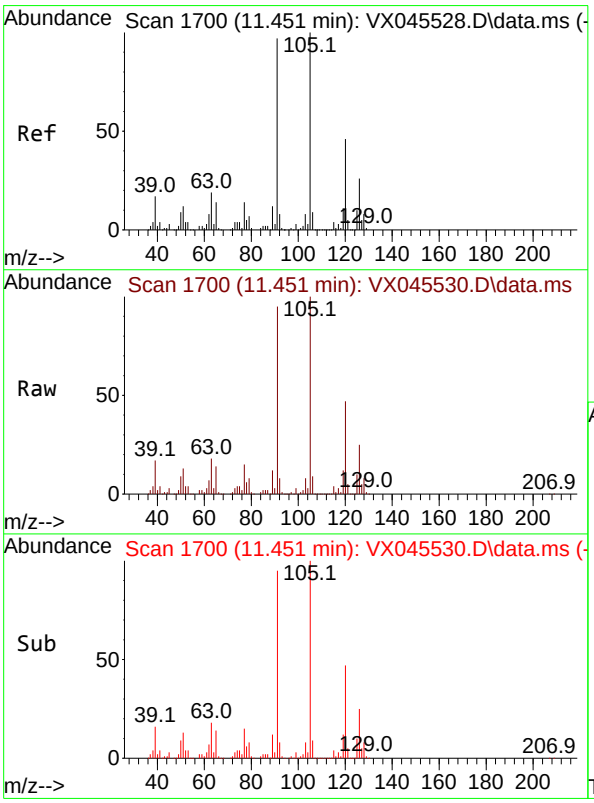
#79
2-Chlorotoluene
Concen: 148.399 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 537263

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

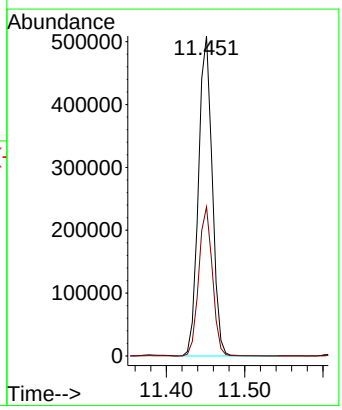


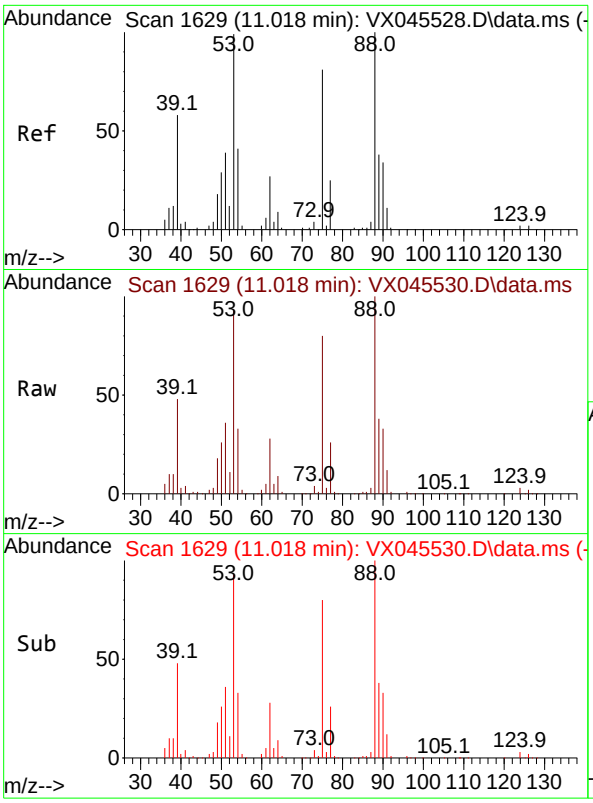


#80
1,3,5-Trimethylbenzene
Concen: 152.700 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 620819

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0



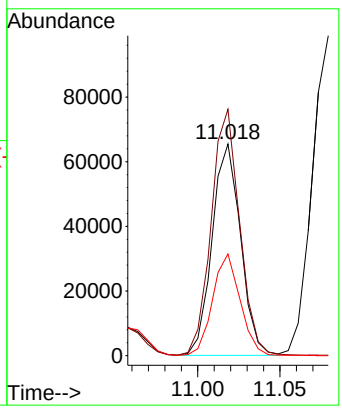


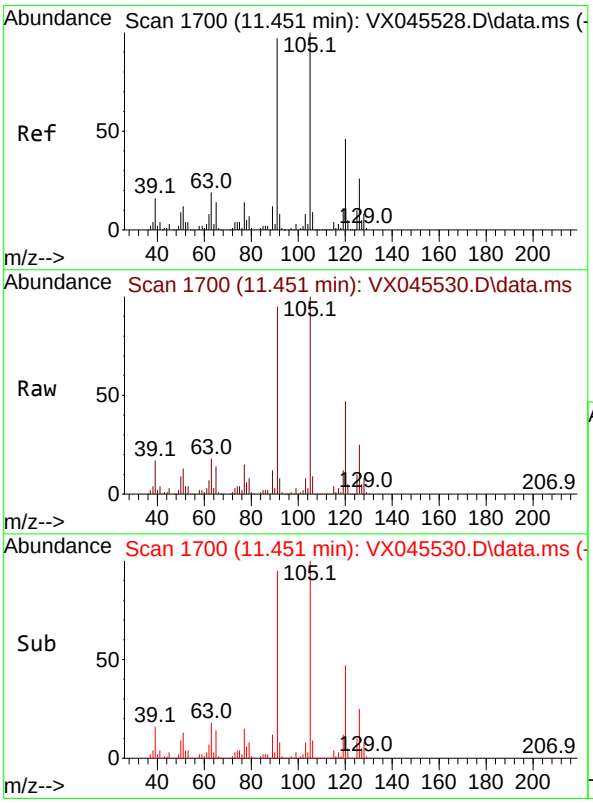
#81
trans-1,4-Dichloro-2-butene
Concen: 178.636 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 78805

Ion	Ratio	Lower	Upper
75	100		
53	116.0	101.8	152.6
89	46.8	37.2	55.8

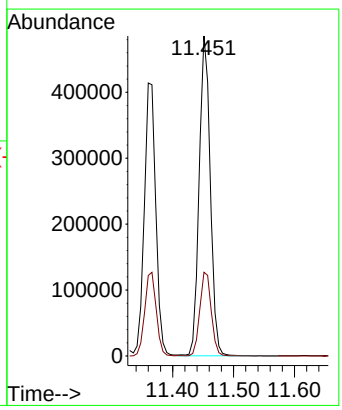


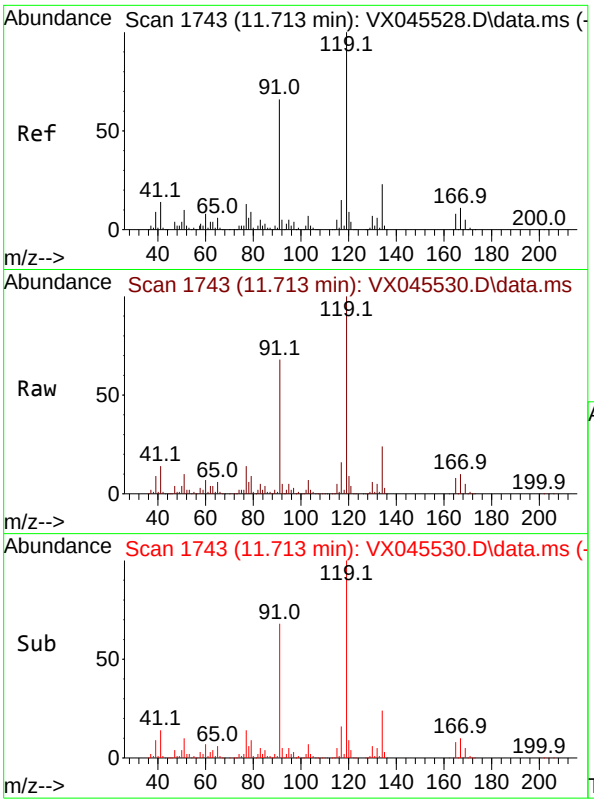


#82
4-Chlorotoluene
Concen: 152.505 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 615594

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9



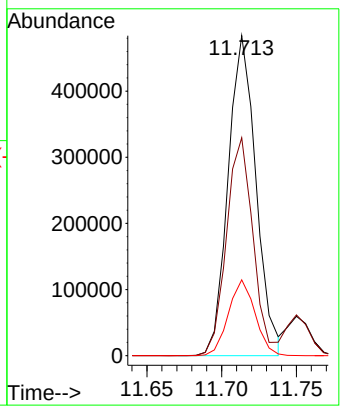


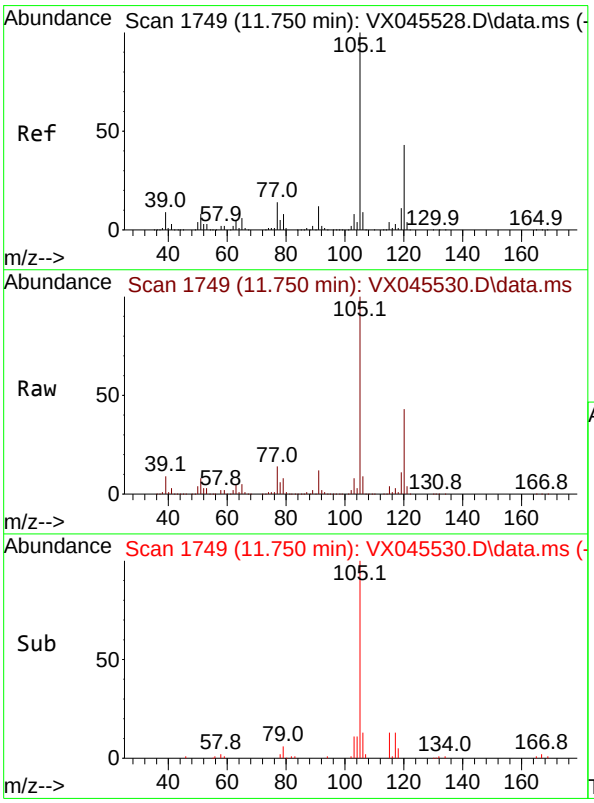
#83
tert-Butylbenzene
Concen: 155.783 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 627039

Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.4	97.2
134	22.7	11.5	34.5

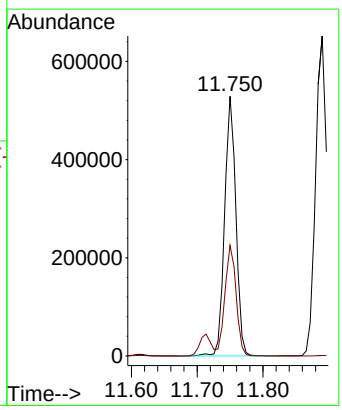


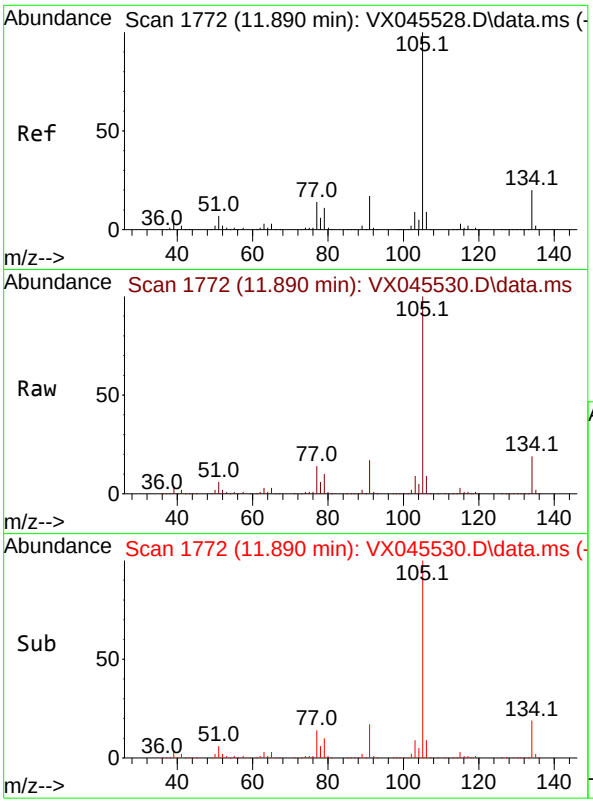


#84
1,2,4-Trimethylbenzene
Concen: 154.317 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 629704

Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.4	64.3



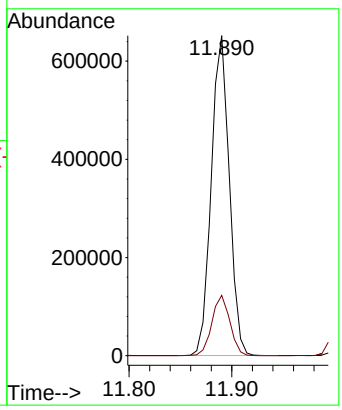


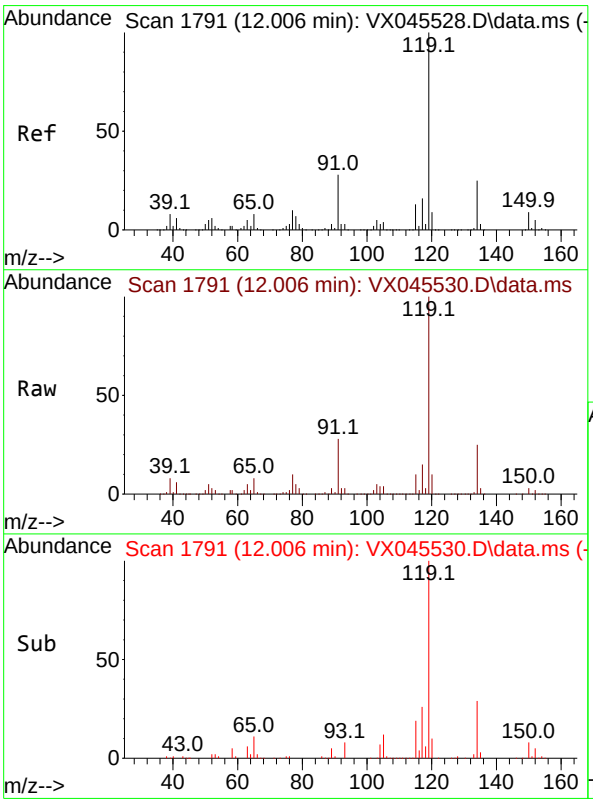
#85
sec-Butylbenzene
Concen: 159.869 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 790355

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

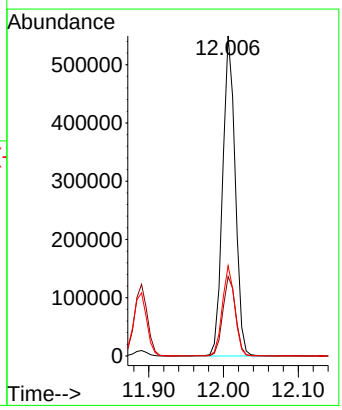


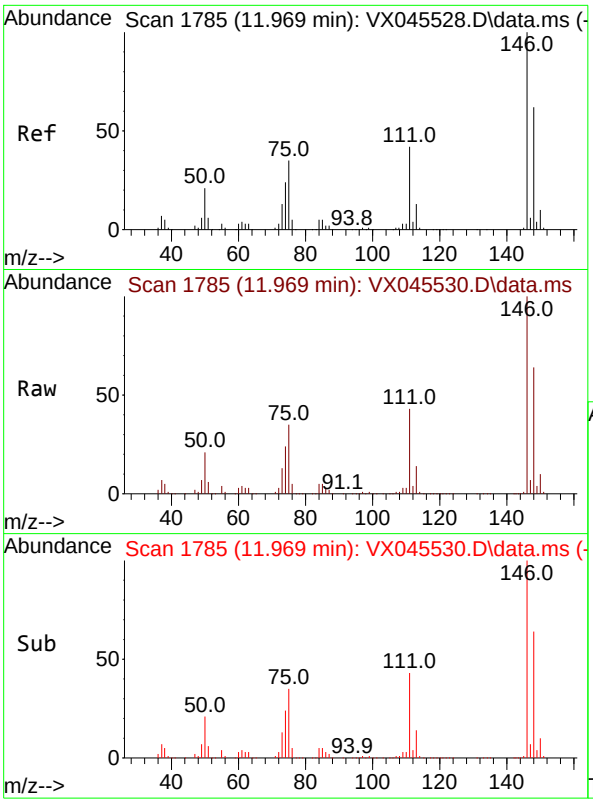


#86
p-Isopropyltoluene
Concen: 157.397 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 641521

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	27.6	13.7	41.1



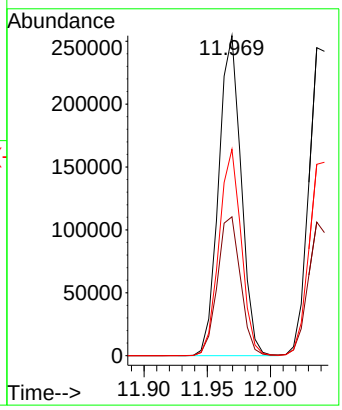


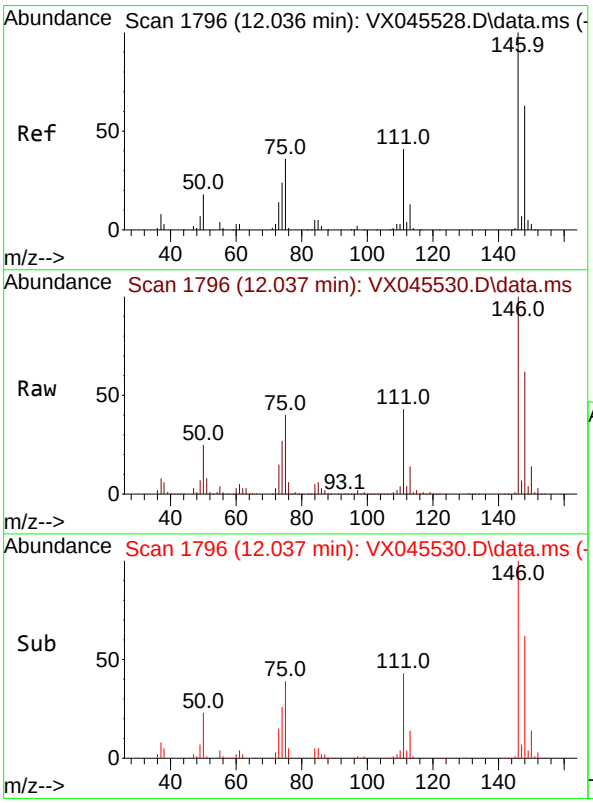
#87
1,3-Dichlorobenzene
Concen: 151.885 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 314077

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.6	31.9	95.7

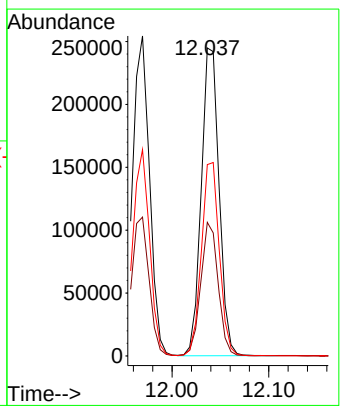


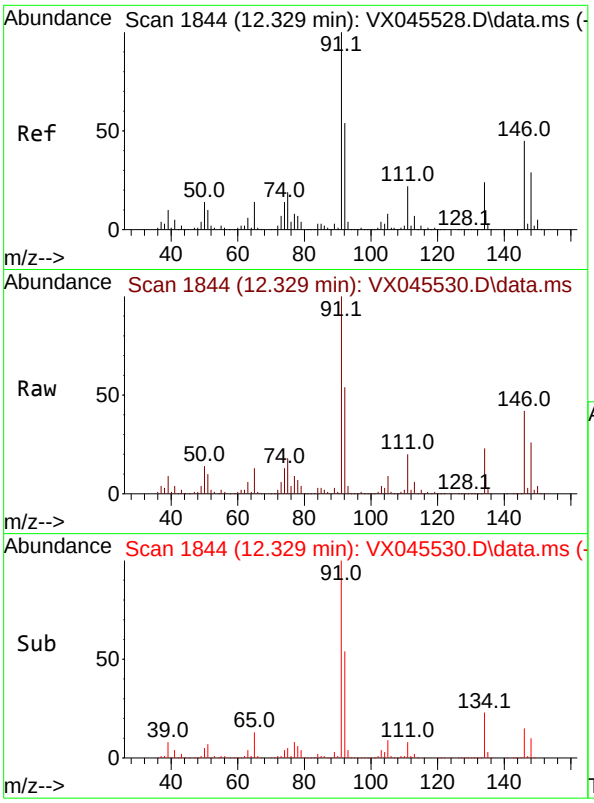


#88
1,4-Dichlorobenzene
Concen: 149.876 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 314197

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	63.5	31.5	94.5



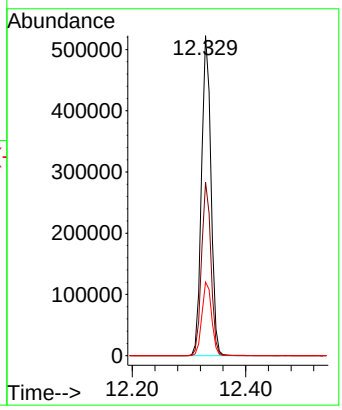


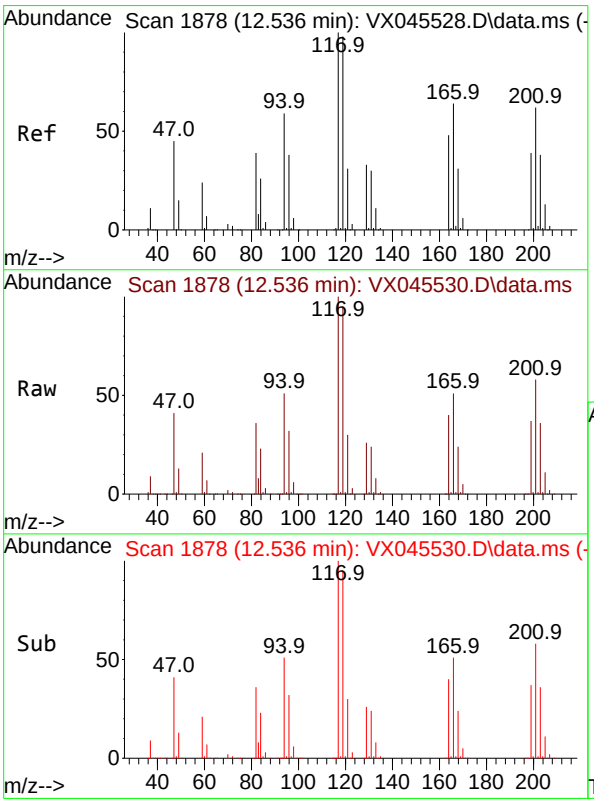
#89
n-Butylbenzene
Concen: 171.019 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 604445

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.6
134	23.6	11.9	35.7

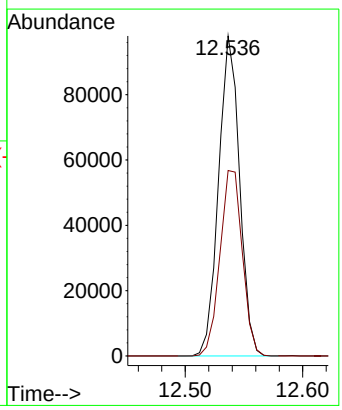


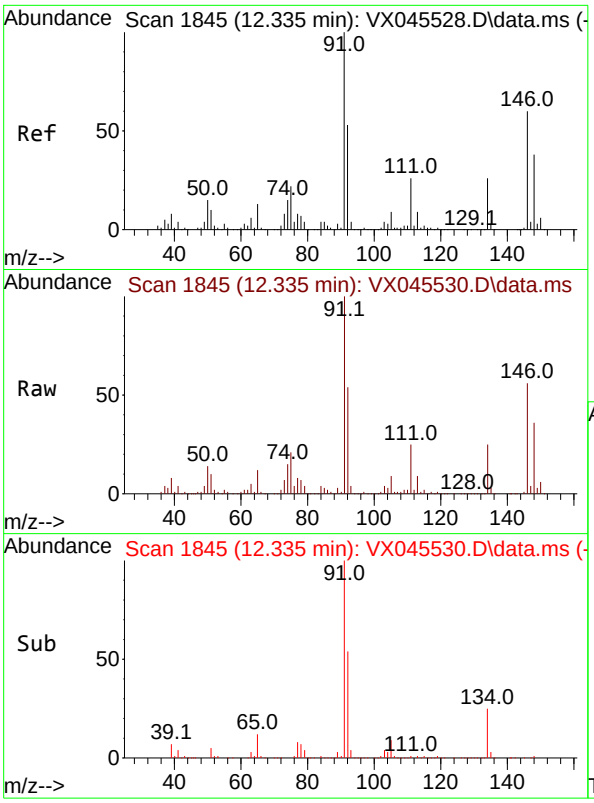


#90
Hexachloroethane
Concen: 173.829 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 121761

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.2	93.6



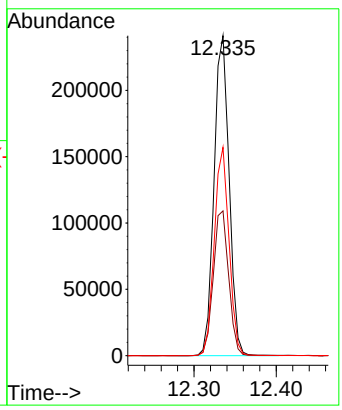


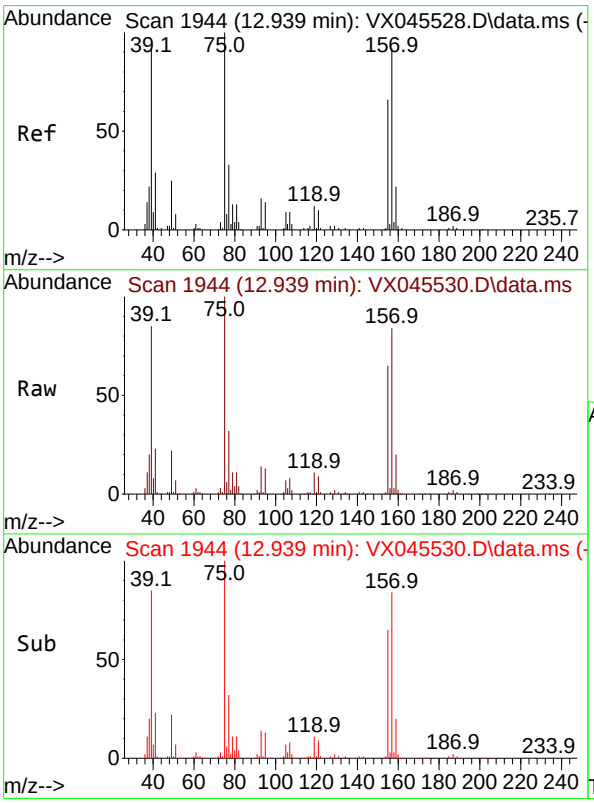
#91
1,2-Dichlorobenzene
Concen: 149.342 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 307031

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.8
148	63.8	31.9	95.5

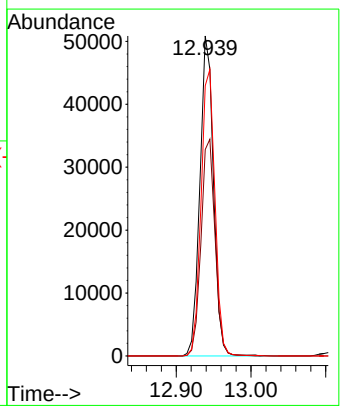


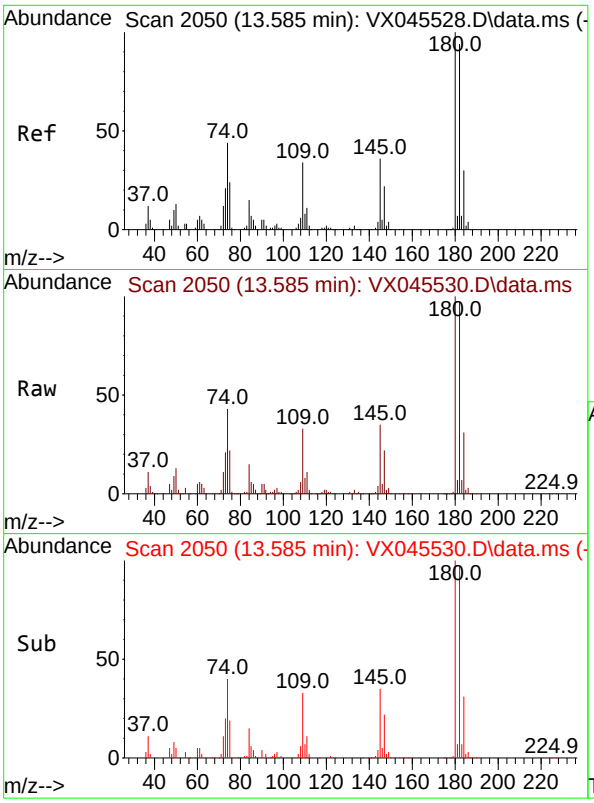


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.062 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 64317

Ion	Ratio	Lower	Upper
75	100		
155	69.7	34.9	104.7
157	91.3	44.9	134.7



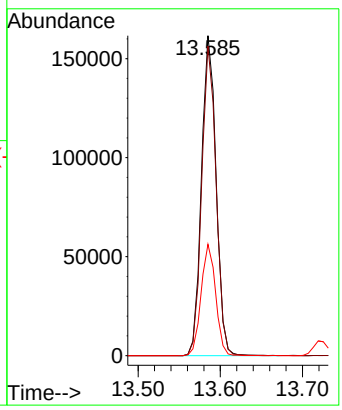


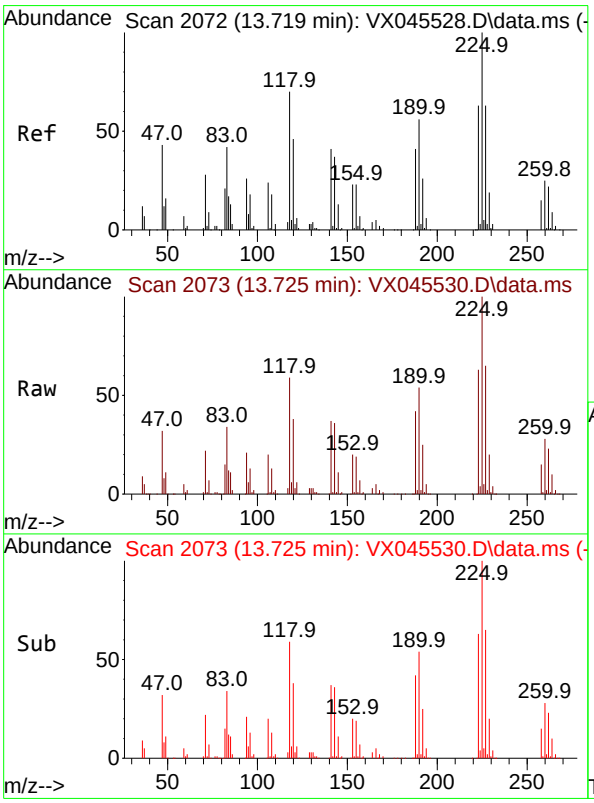
#93
1,2,4-Trichlorobenzene
Concen: 174.213 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 199365

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.9	53.8

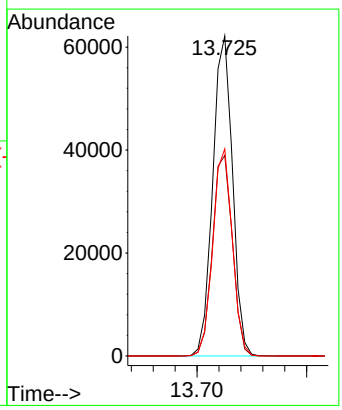


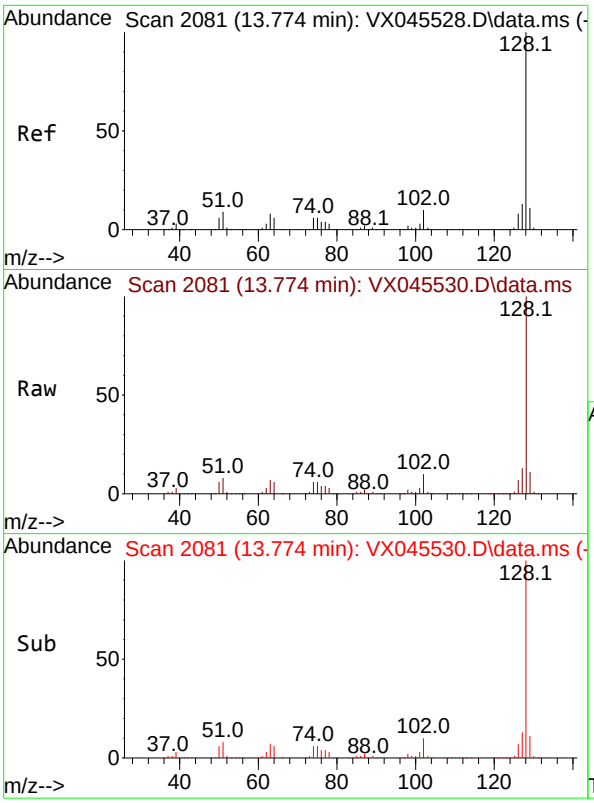


#94
Hexachlorobutadiene
Concen: 157.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:225 Resp: 77792

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	63.8	32.2	96.6



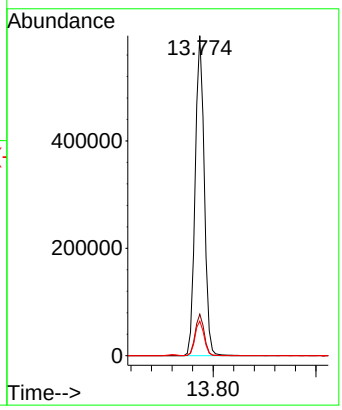


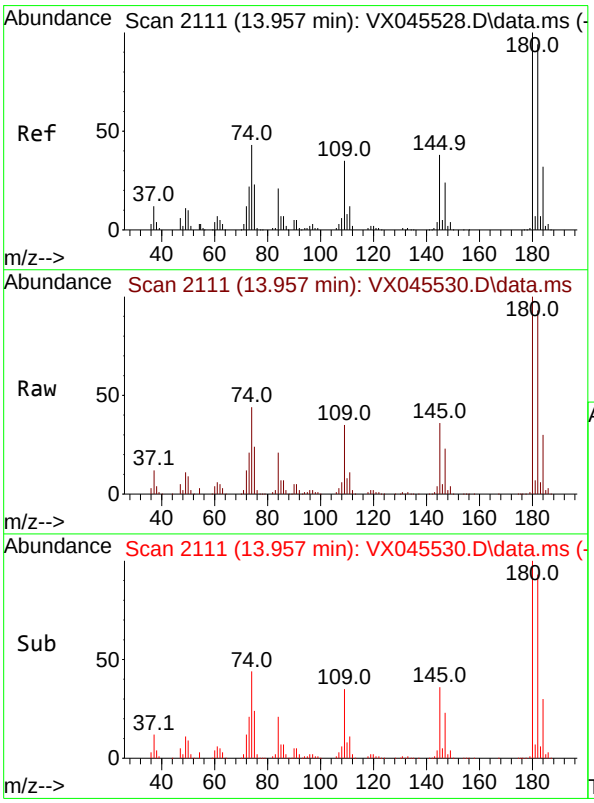
#95
Naphthalene
Concen: 172.191 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 733300

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	12.8

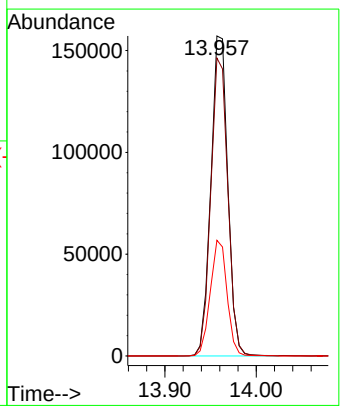




#96
1,2,3-Trichlorobenzene
Concen: 168.562 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 201989

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	35.8	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89251	50.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	61107	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.647	98	217200	50.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	80376	50.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76070	52.454	ug/l	97
3) Chloromethane	1.301	50	72033	48.349	ug/l	99
4) Vinyl Chloride	1.374	62	66559	48.816	ug/l	99
5) Bromomethane	1.593	94	30379	46.991	ug/l	99
6) Chloroethane	1.672	64	37317	51.586	ug/l	100
7) Trichlorofluoromethane	1.880	101	102379	50.354	ug/l	96
8) Diethyl Ether	2.130	74	33603	49.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	59007	49.528	ug/l	98
10) Methyl Iodide	2.447	142	72261	48.626	ug/l	99
11) Tert butyl alcohol	2.971	59	58774	246.612	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57888	49.726	ug/l	99
13) Acrolein	2.233	56	78156	238.141	ug/l	99
14) Allyl chloride	2.660	41	111636	50.541	ug/l	99
15) Acrylonitrile	3.062	53	186837	248.351	ug/l	100
16) Acetone	2.380	43	176153	241.904	ug/l	99
17) Carbon Disulfide	2.508	76	149677	52.057	ug/l	100
18) Methyl Acetate	2.703	43	81720	48.742	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	207487	50.950	ug/l	100
20) Methylene Chloride	2.782	84	66875	49.055	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59229	49.800	ug/l	98
22) Diisopropyl ether	3.757	45	221449	50.895	ug/l	92
23) Vinyl Acetate	3.715	43	1005423	267.449	ug/l	99
24) 1,1-Dichloroethane	3.605	63	122240	49.677	ug/l	99
25) 2-Butanone	4.550	43	271686	254.882	ug/l	97
26) 2,2-Dichloropropane	4.471	77	82704	52.020	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71072	49.049	ug/l	98
28) Bromochloromethane	4.891	49	57557	48.403	ug/l	99
29) Tetrahydrofuran	5.001	42	172405	249.473	ug/l	100
30) Chloroform	5.086	83	125621	49.614	ug/l	98
31) Cyclohexane	5.458	56	107862	49.583	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	107830	50.330	ug/l	99
36) 1,1-Dichloropropene	5.684	75	83901	50.088	ug/l	99
37) Ethyl Acetate	4.708	43	105095	49.787	ug/l	98
38) Carbon Tetrachloride	5.672	117	91723	50.667	ug/l	100
39) Methylcyclohexane	7.373	83	102919	50.124	ug/l	99
40) Benzene	6.031	78	251758	49.212	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59140	53.098	ug/l		99
42) 1,2-Dichloroethane	6.080	62	103270	48.875	ug/l		100
43) Isopropyl Acetate	6.336	43	164894	51.539	ug/l		100
44) Trichloroethene	7.123	130	57931	47.643	ug/l		92
45) 1,2-Dichloropropane	7.421	63	63210	49.521	ug/l		95
46) Dibromomethane	7.574	93	47564	48.542	ug/l		97
47) Bromodichloromethane	7.818	83	96418	49.273	ug/l		96
48) Methyl methacrylate	7.690	41	85084	51.507	ug/l		99
49) 1,4-Dioxane	7.659	88	28552	955.327	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	540822	254.994	ug/l		100
52) Toluene	8.714	92	151664	48.994	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87744	46.783	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	99074	53.878	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	60452	49.007	ug/l		97
56) Ethyl methacrylate	9.116	69	102525	53.705	ug/l		100
57) 1,3-Dichloropropane	9.305	76	107121	49.869	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	251285	260.201	ug/l		99
59) 2-Hexanone	9.427	43	395336	251.710	ug/l		100
60) Dibromochloromethane	9.519	129	68562	50.983	ug/l		99
61) 1,2-Dibromoethane	9.604	107	63301	50.693	ug/l		100
64) Tetrachloroethene	9.269	164	50834	47.239	ug/l		99
65) Chlorobenzene	10.073	112	163518	50.207	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	57096	50.495	ug/l		99
67) Ethyl Benzene	10.189	91	300747	51.558	ug/l		100
68) m/p-Xylenes	10.299	106	217943	102.728	ug/l		99
69) o-Xylene	10.640	106	107947	51.650	ug/l		100
70) Styrene	10.653	104	181524	52.624	ug/l		100
71) Bromoform	10.799	173	44489	52.694	ug/l	#	98
73) Isopropylbenzene	10.957	105	286010	52.794	ug/l		100
74) N-amyl acetate	10.842	43	140941	54.387	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92505	48.608	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	102257	61.984	ug/l		87
77) Bromobenzene	11.195	156	63244	50.525	ug/l		98
78) n-propylbenzene	11.299	91	336753	53.967	ug/l		100
79) 2-Chlorotoluene	11.360	91	203677	51.057	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	239822	53.534	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25511	52.482	ug/l		98
82) 4-Chlorotoluene	11.451	91	233159	52.422	ug/l		100
83) tert-Butylbenzene	11.713	119	236276	53.274	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	238257	52.990	ug/l		100
85) sec-Butylbenzene	11.890	105	293633	53.903	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	54.337	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	115113	50.521	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	113458	49.117	ug/l		97
89) n-Butylbenzene	12.329	91	214931	55.189	ug/l		99
90) Hexachloroethane	12.536	117	41729	54.066	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	113126	49.938	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21184	53.226	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65488	51.935	ug/l		98
94) Hexachlorobutadiene	13.725	225	27147	49.961	ug/l		99
95) Naphthalene	13.774	128	247600	52.765	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66542	50.396	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

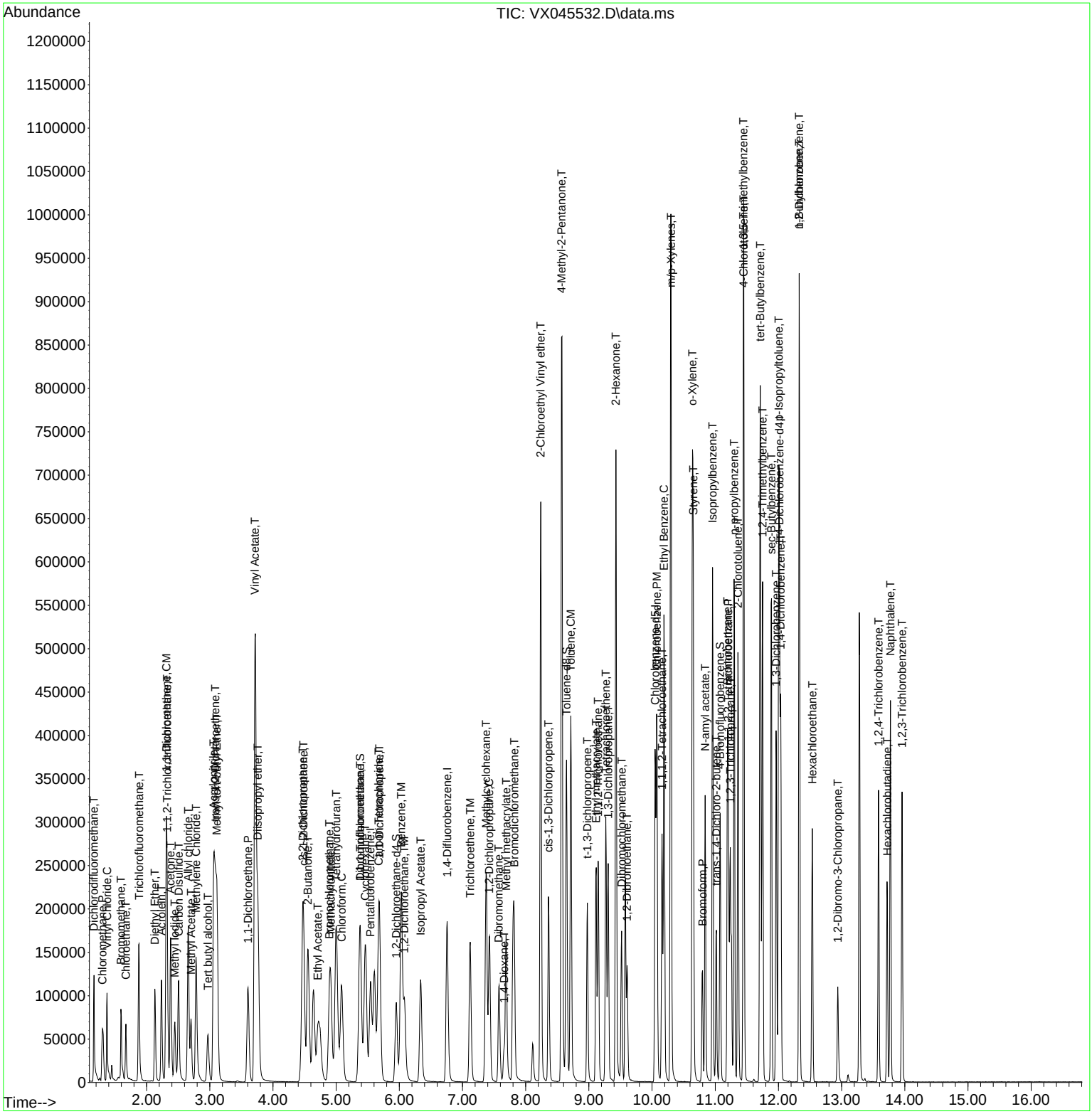
(#) = qualifier out of range (m) = manual integration (+) = signals summed

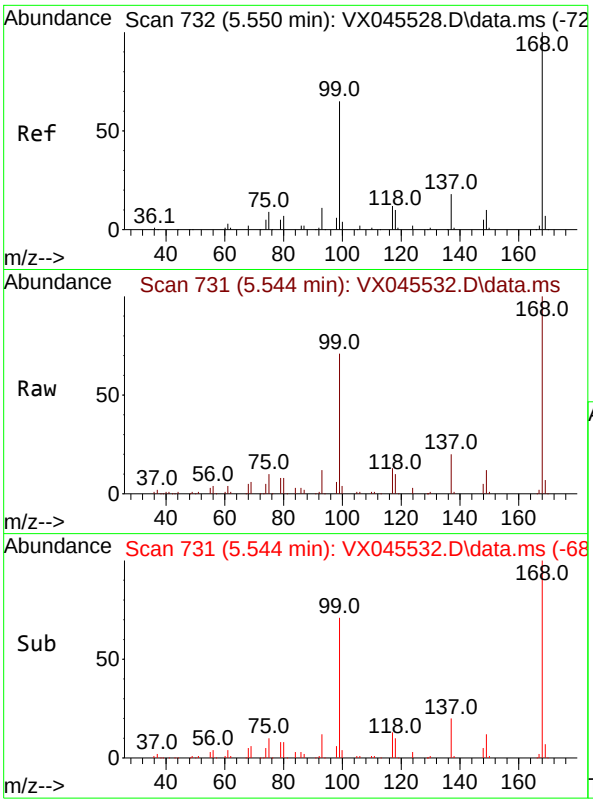
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



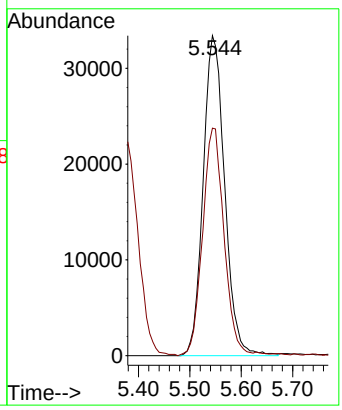


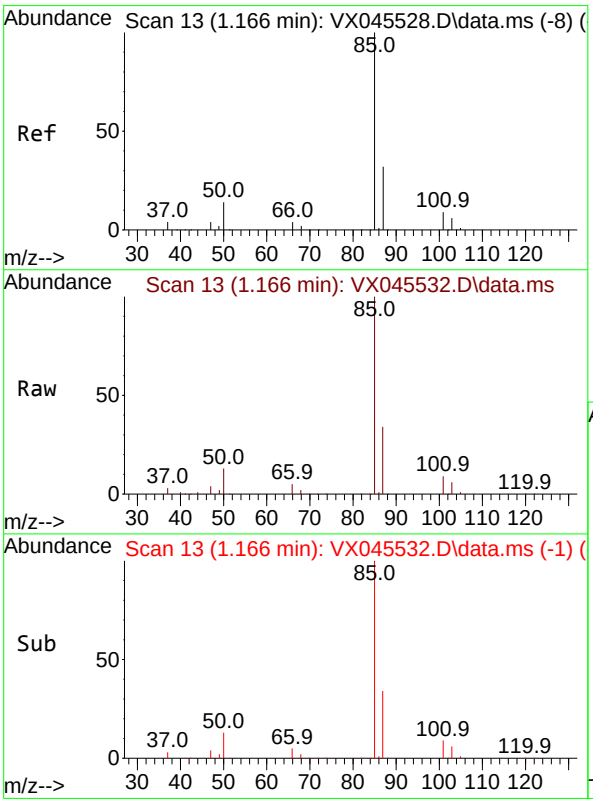
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:168 Resp: 96972

Ion	Ratio	Lower	Upper
168	100		
99	71.1	52.3	78.5

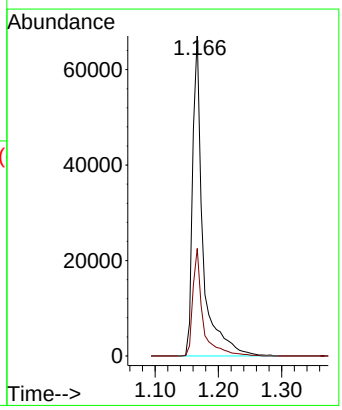


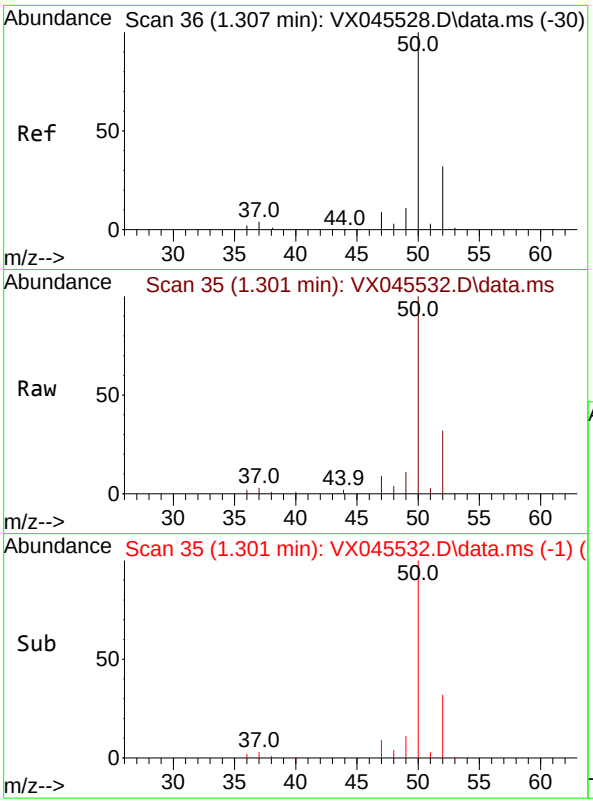


#2
Dichlorodifluoromethane
Concen: 52.454 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 85 Resp: 76070

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.2



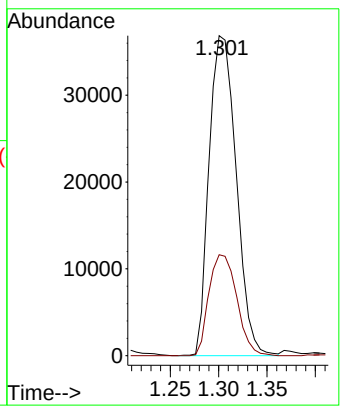


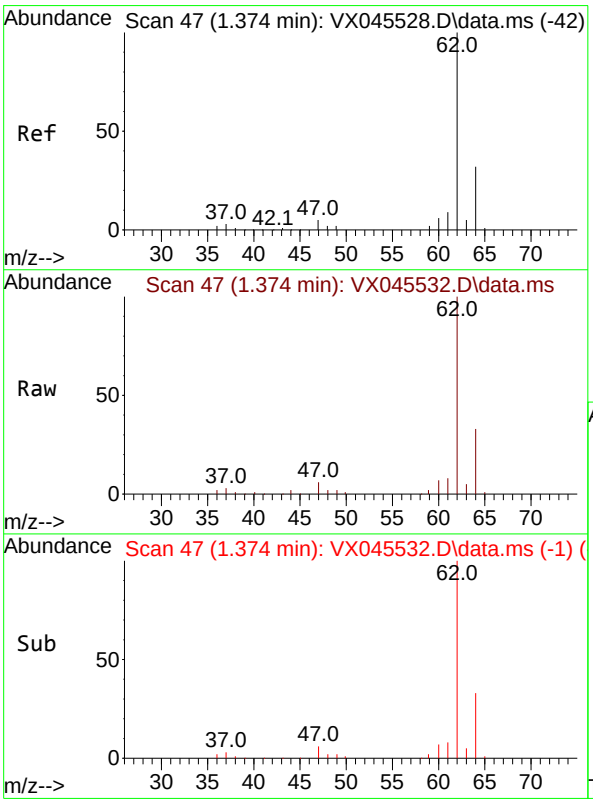
#3
Chloromethane
Concen: 48.349 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 50 Resp: 72033

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.9	38.9

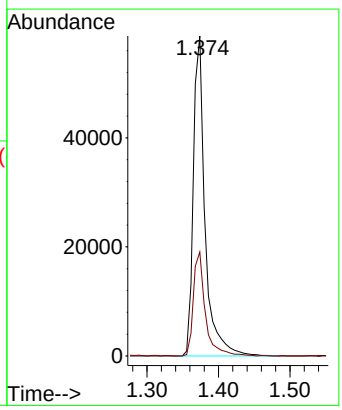


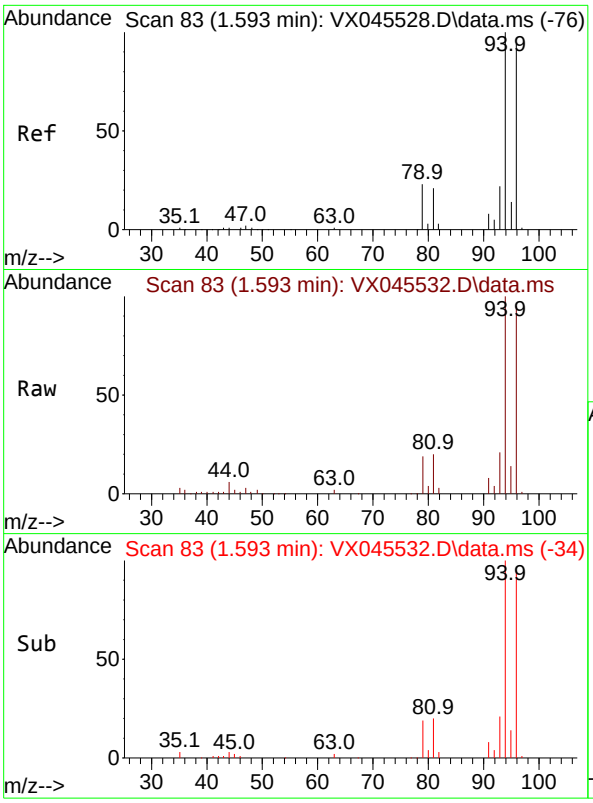


#4
Vinyl Chloride
Concen: 48.816 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 66559

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3



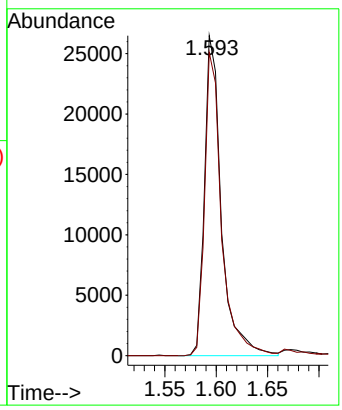


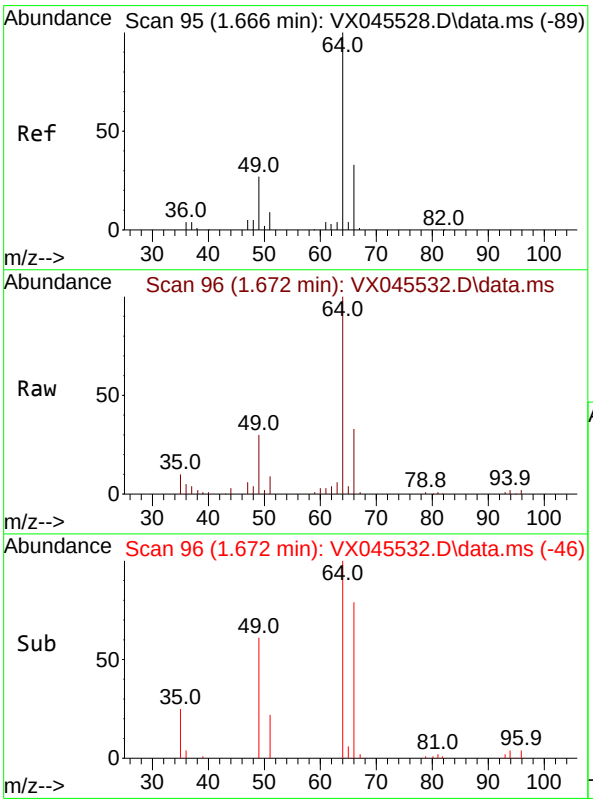
#5
Bromomethane
Concen: 46.991 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 94 Resp: 30379

Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.8	112.2

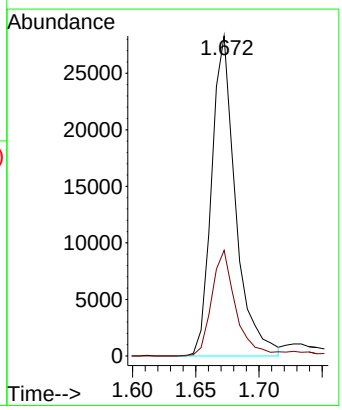


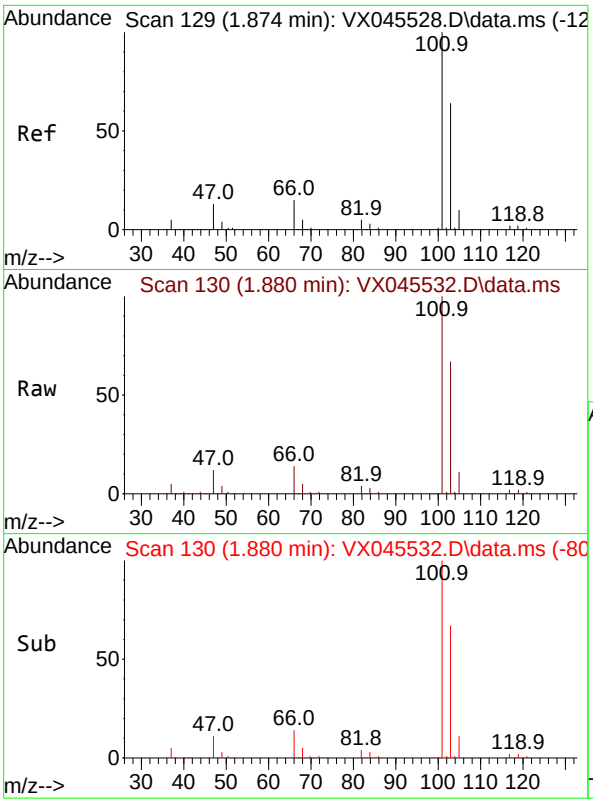


#6
Chloroethane
Concen: 51.586 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 64 Resp: 37317

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.3	39.5



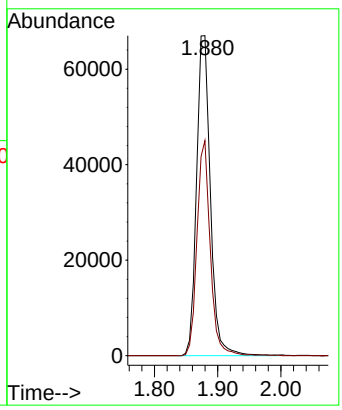


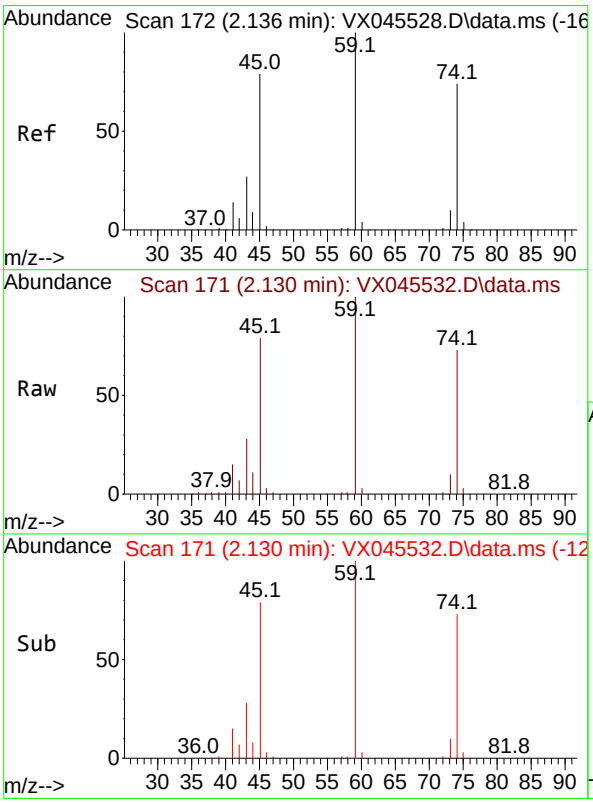
#7
Trichlorofluoromethane
Concen: 50.354 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:101 Resp: 102379

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.1	76.7

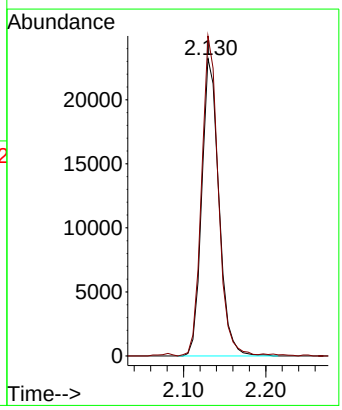


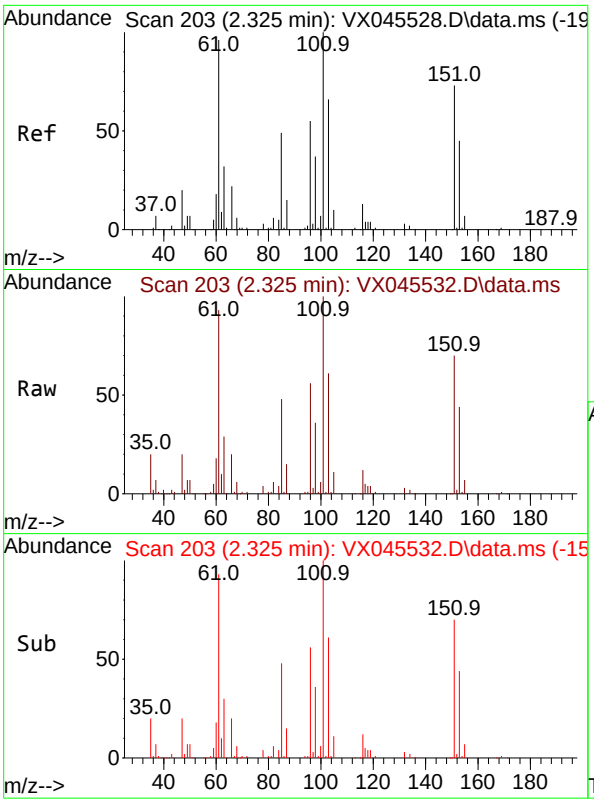


#8
Diethyl Ether
Concen: 49.228 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 74 Resp: 33603

Ion	Ratio	Lower	Upper
74	100		
45	105.2	53.0	159.1



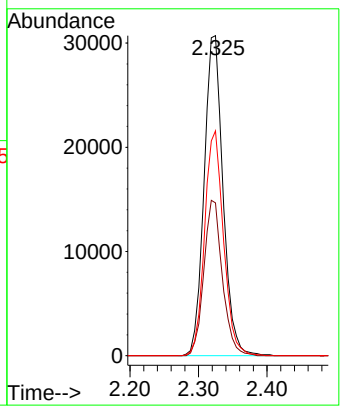


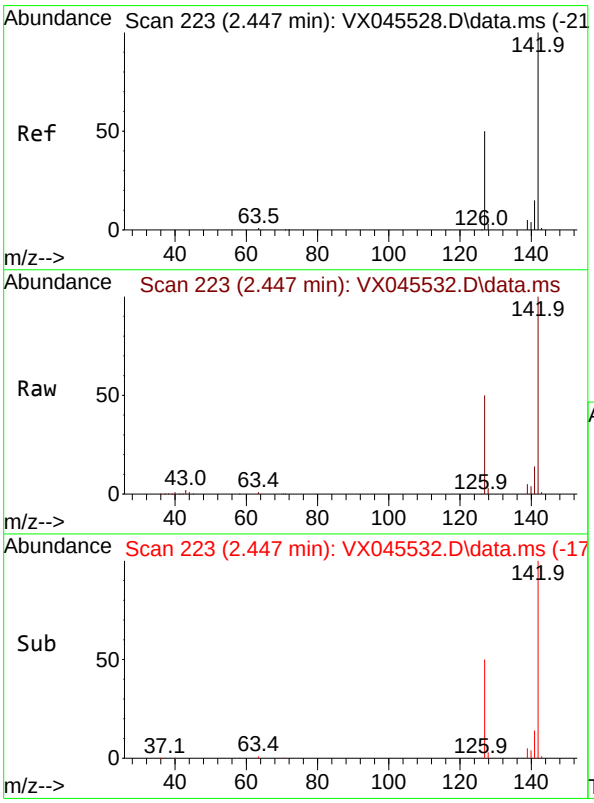
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.528 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:101 Resp: 59007

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.9	58.3
151	70.1	57.5	86.3

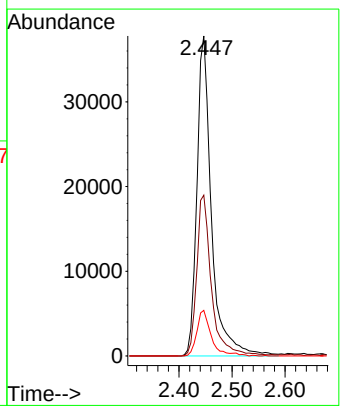


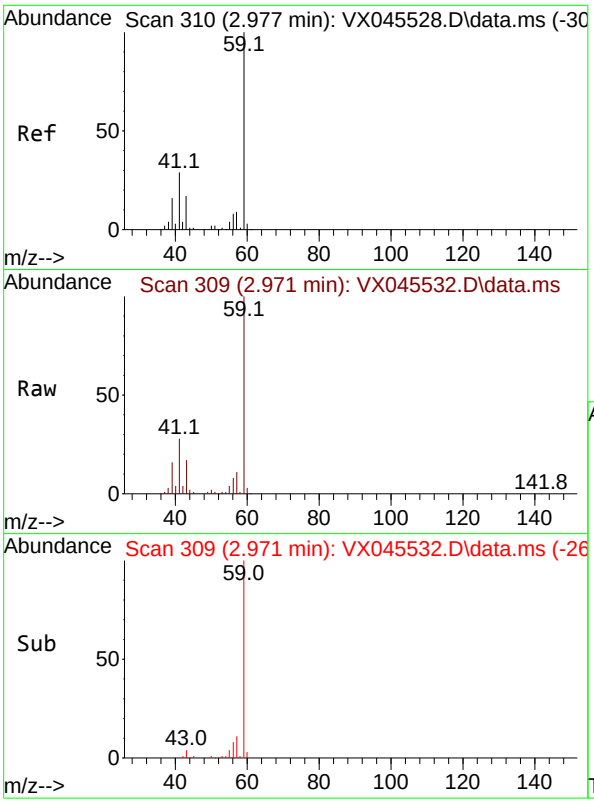


#10
Methyl Iodide
Concen: 48.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:142 Resp: 72261

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.1	11.7	17.5



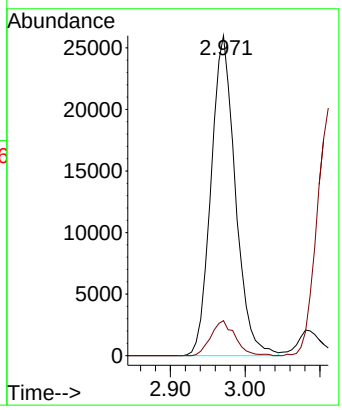


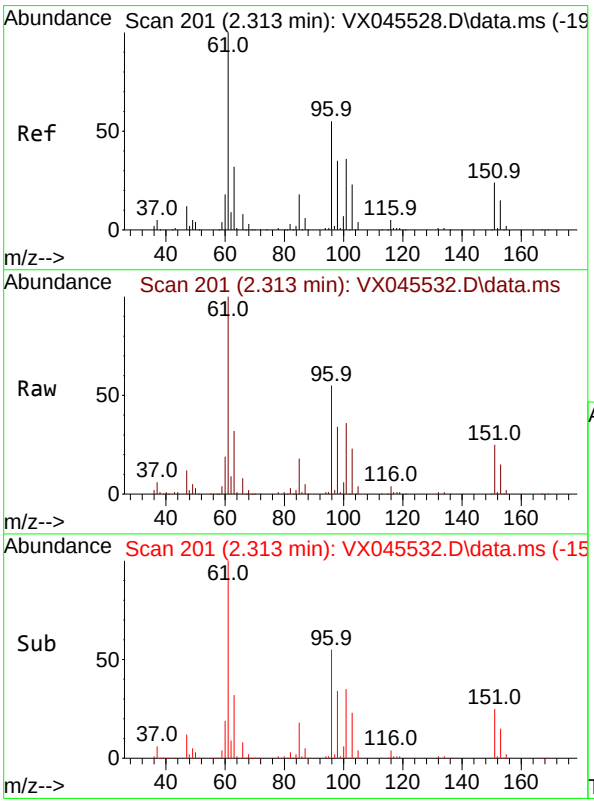
#11
Tert butyl alcohol
Concen: 246.612 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 59 Resp: 58774

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

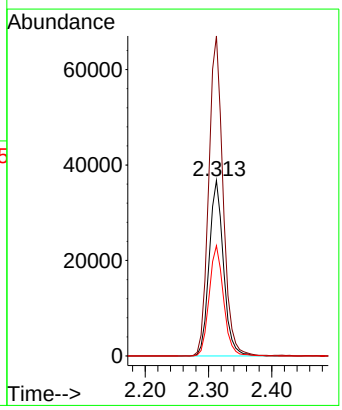


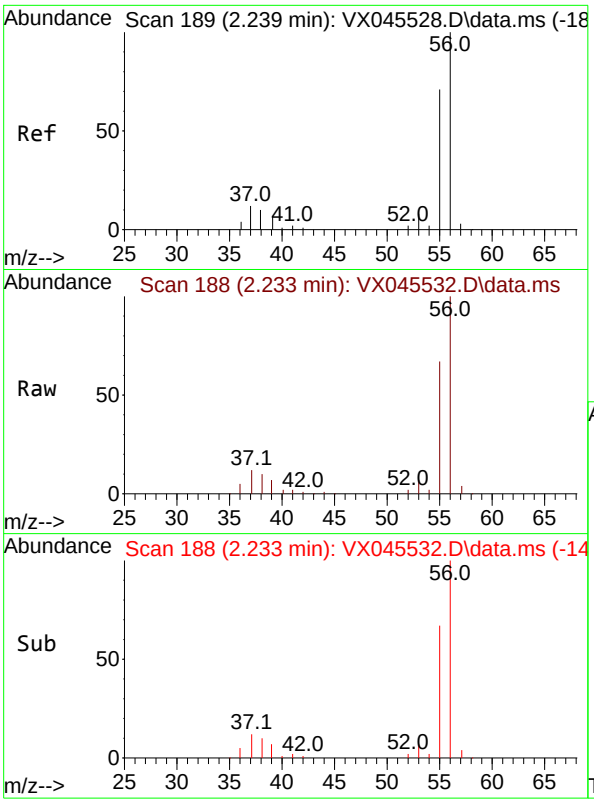


#12
1,1-Dichloroethene
Concen: 49.726 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 57888

Ion	Ratio	Lower	Upper
96	100		
61	182.3	145.7	218.5
98	62.8	51.6	77.4



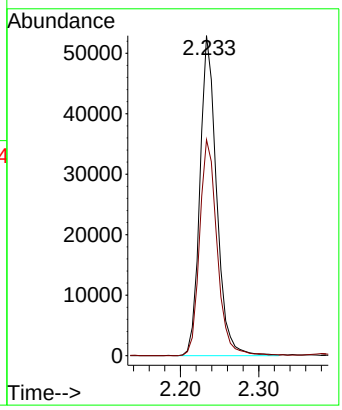


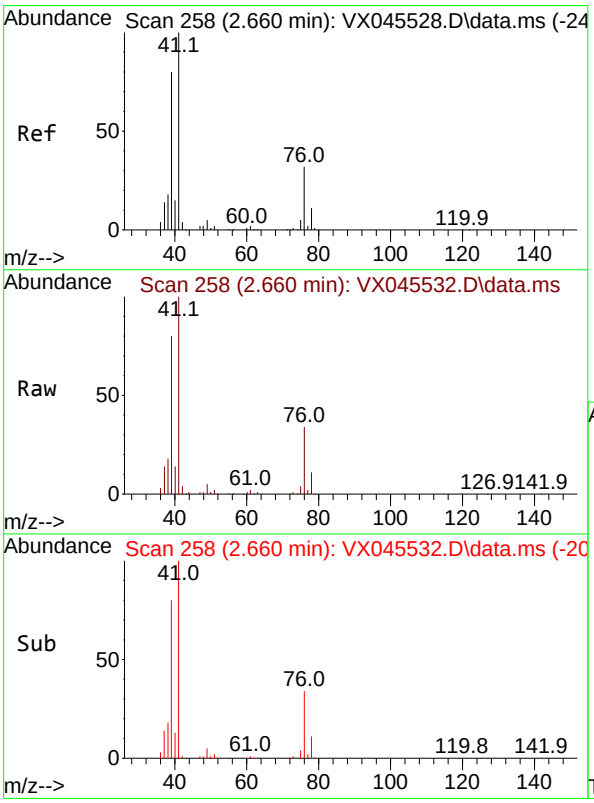
#13
Acrolein
Concen: 238.141 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 56 Resp: 78156

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.2

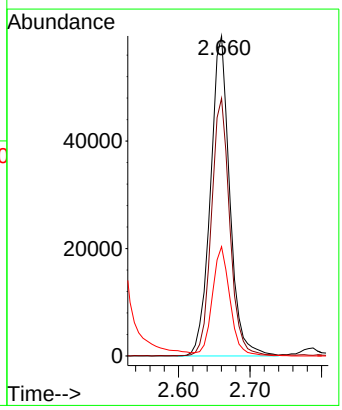


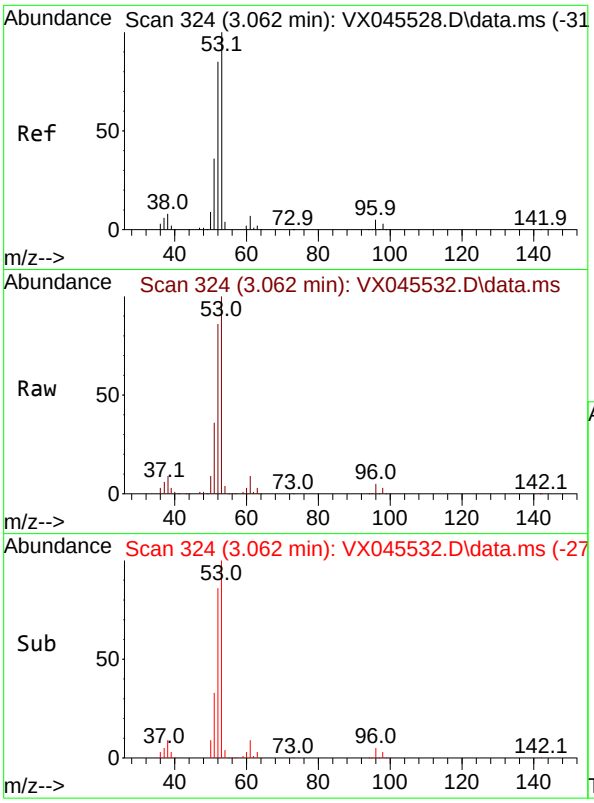


#14
Allyl chloride
Concen: 50.541 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 111636

Ion	Ratio	Lower	Upper
41	100		
39	76.2	60.2	90.2
76	31.6	24.6	36.8



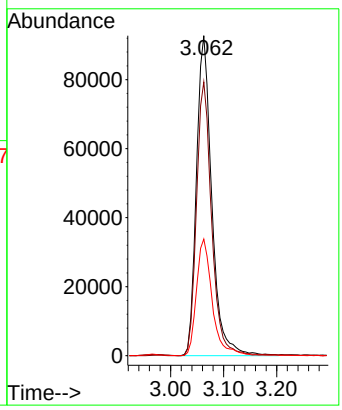


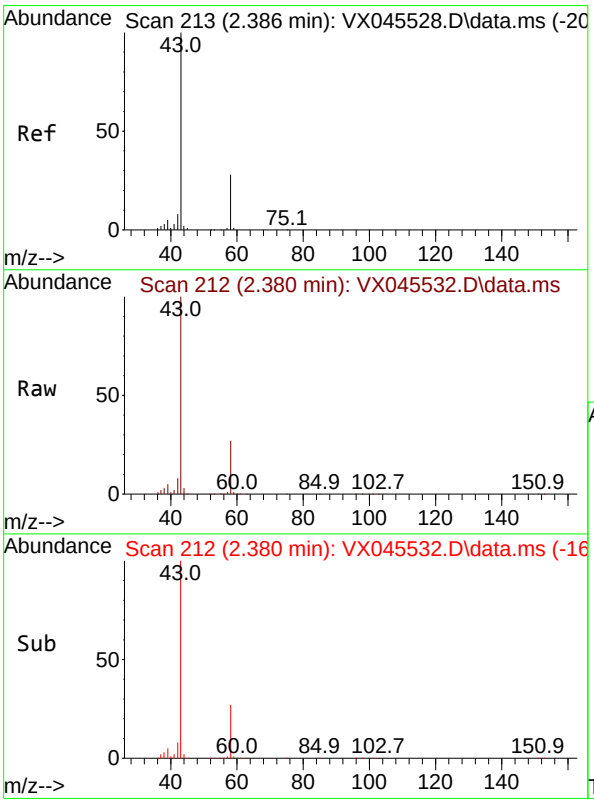
#15
Acrylonitrile
Concen: 248.351 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 53 Resp: 186837

Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.4	101.2
51	37.6	29.9	44.9

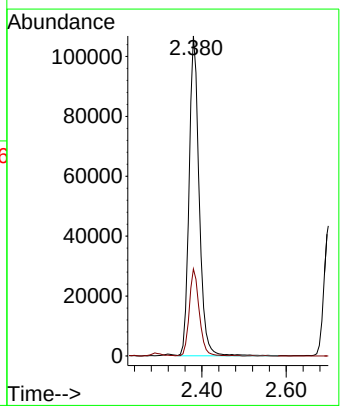


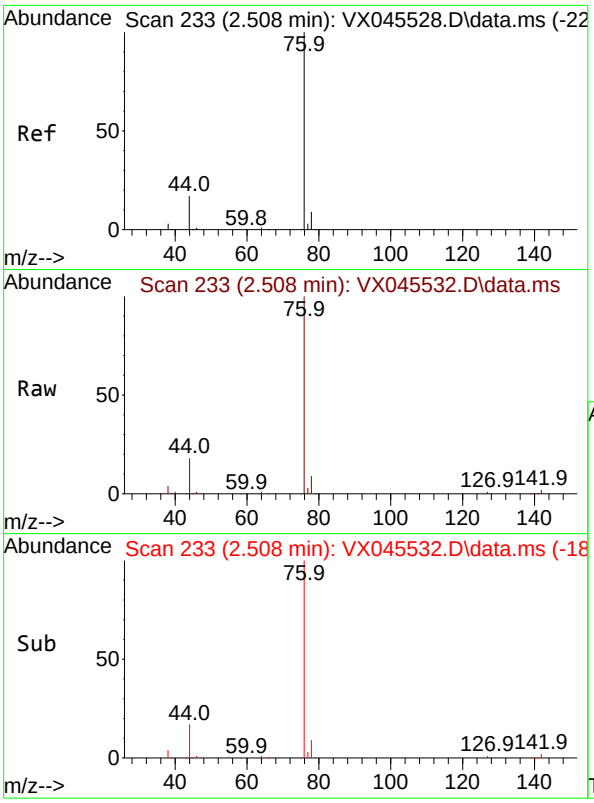


#16
Acetone
Concen: 241.904 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 176153

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5



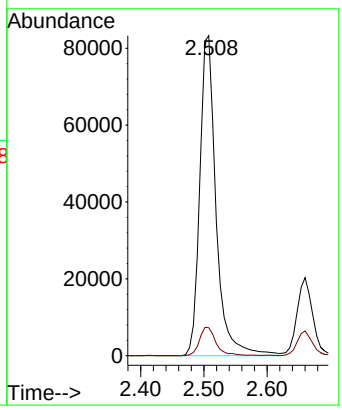


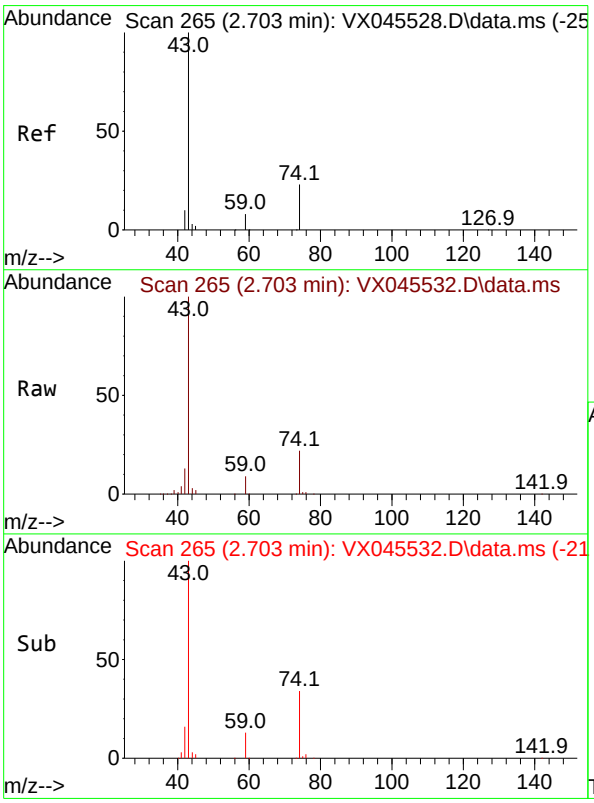
#17
Carbon Disulfide
Concen: 52.057 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 76 Resp: 149677

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

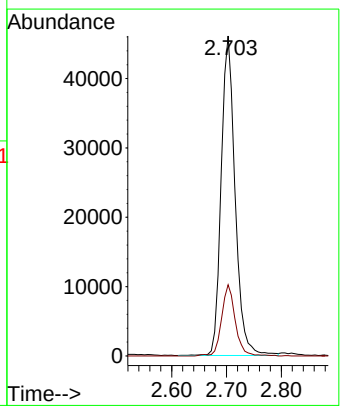


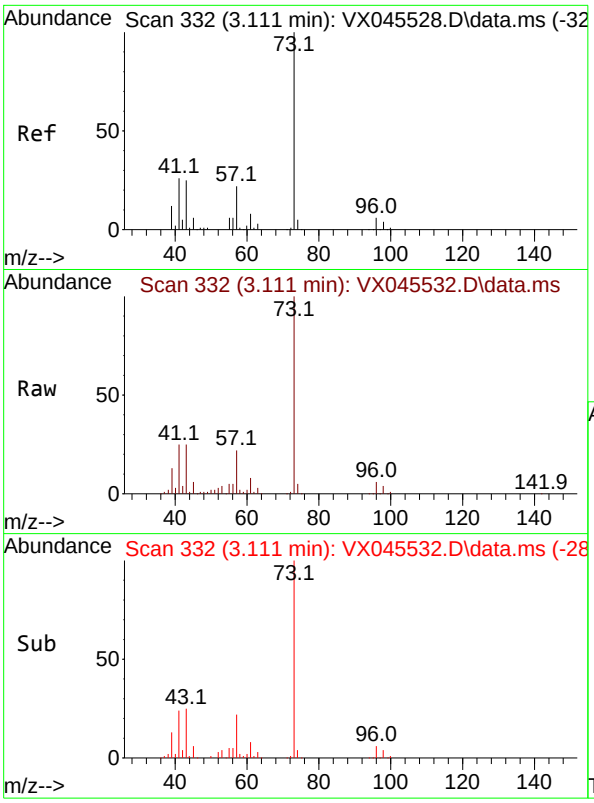


#18
Methyl Acetate
Concen: 48.742 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 81720

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3



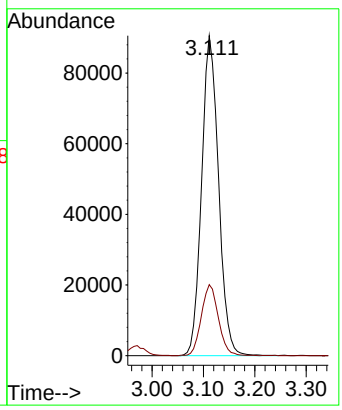


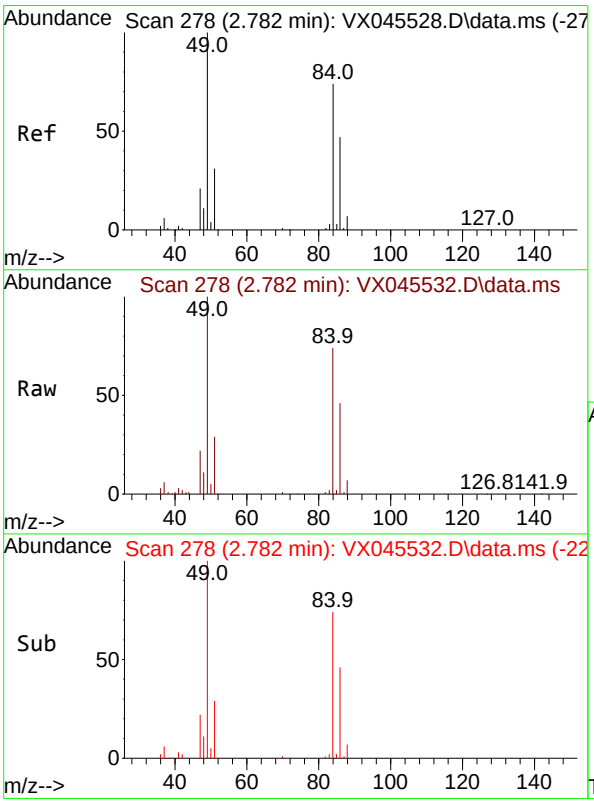
#19
Methyl tert-butyl Ether
Concen: 50.950 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 73 Resp: 207487

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4

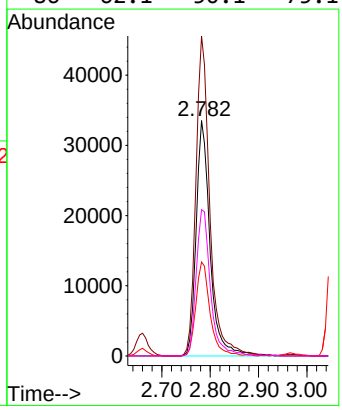


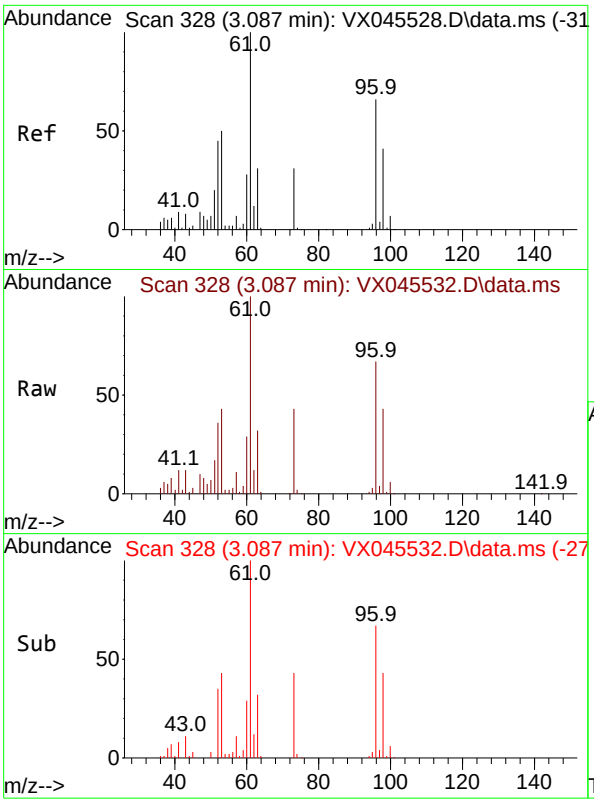


#20
Methylene Chloride
Concen: 49.055 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 84 Resp: 66875

Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.5	161.3
51	39.9	33.0	49.6
86	62.1	50.1	75.1



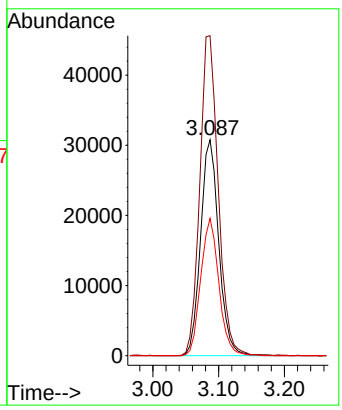


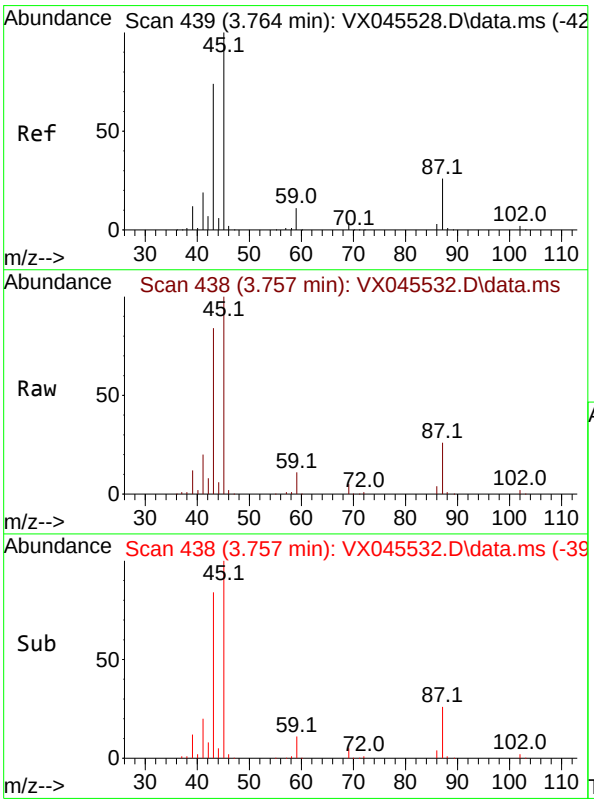
#21
trans-1,2-Dichloroethene
Concen: 49.800 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 96 Resp: 59229

Ion	Ratio	Lower	Upper
96	100		
61	148.2	121.0	181.6
98	63.6	49.7	74.5

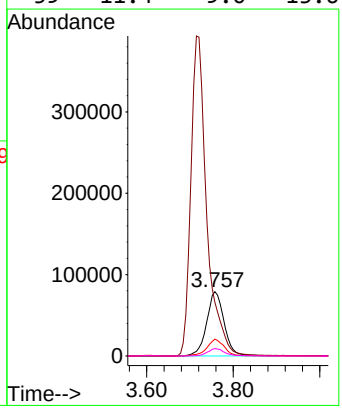


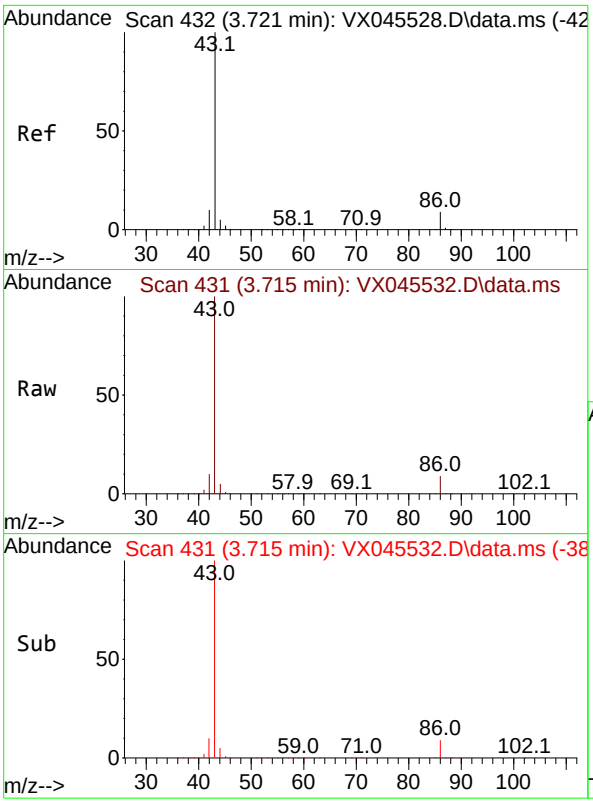


#22
Diisopropyl ether
Concen: 50.895 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 45 Resp: 221449

Ion	Ratio	Lower	Upper
45	100		
43	83.3	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6



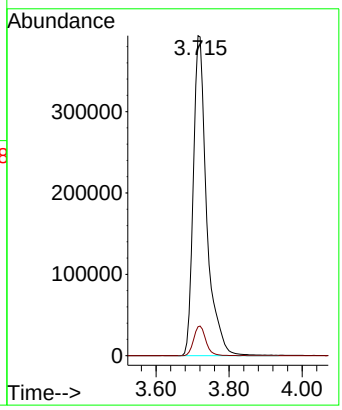


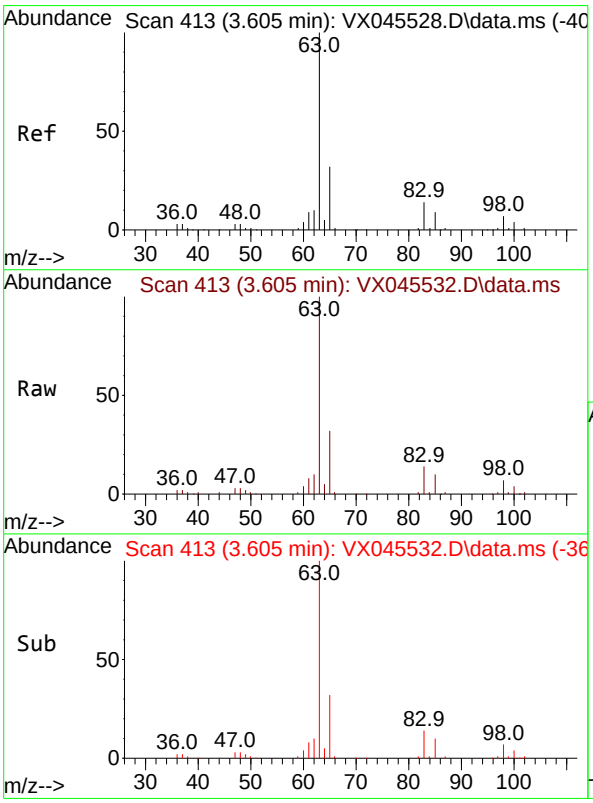
#23
Vinyl Acetate
Concen: 267.449 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 1005423

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

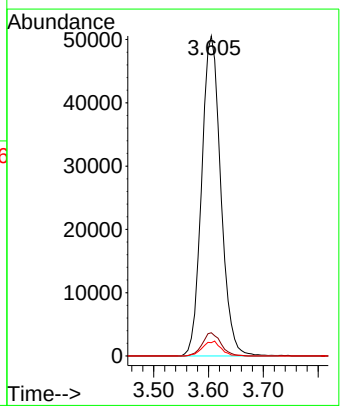


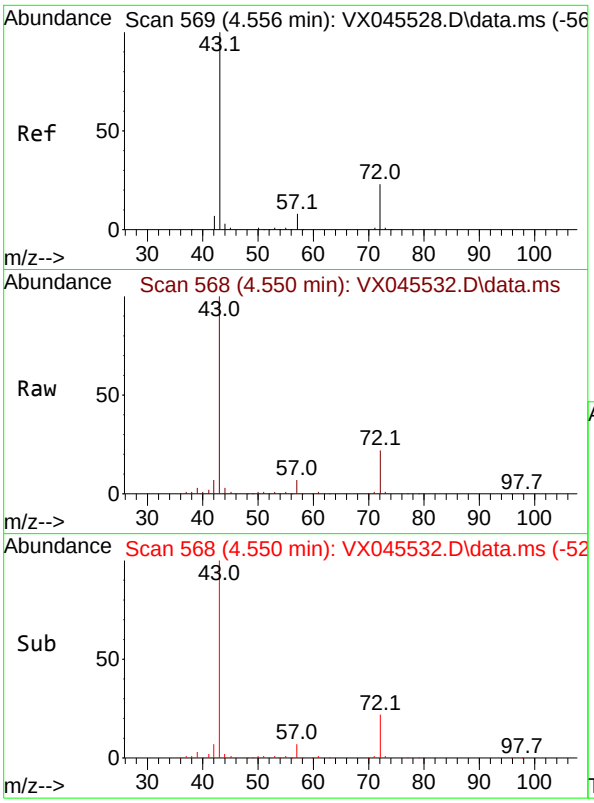


#24
1,1-Dichloroethane
Concen: 49.677 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 122240

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.2	2.2	6.6



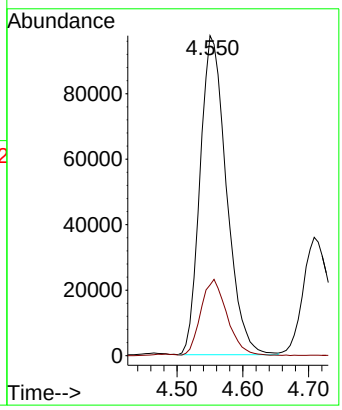


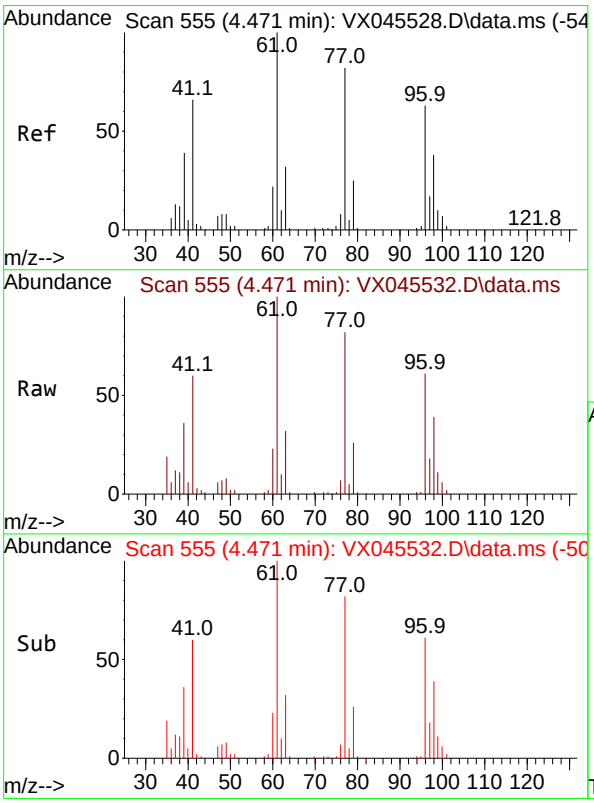
#25
2-Butanone
Concen: 254.882 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 271686

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0

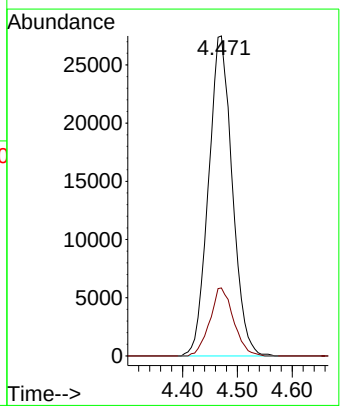


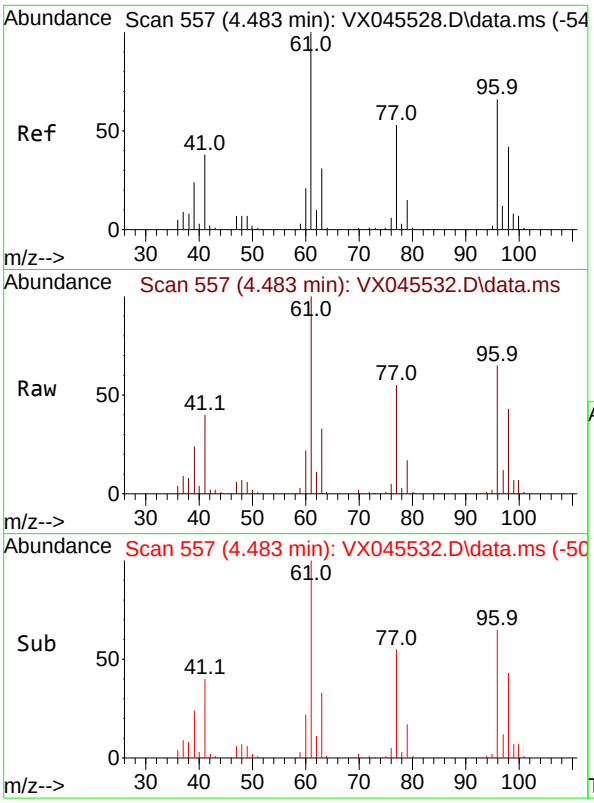


#26
2,2-Dichloropropane
Concen: 52.020 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 77 Resp: 82704

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



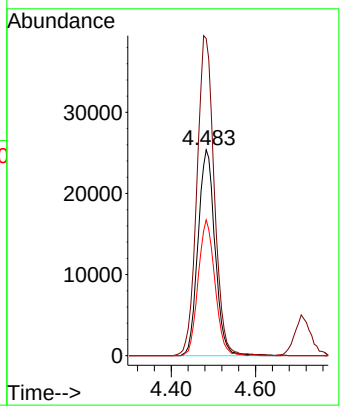


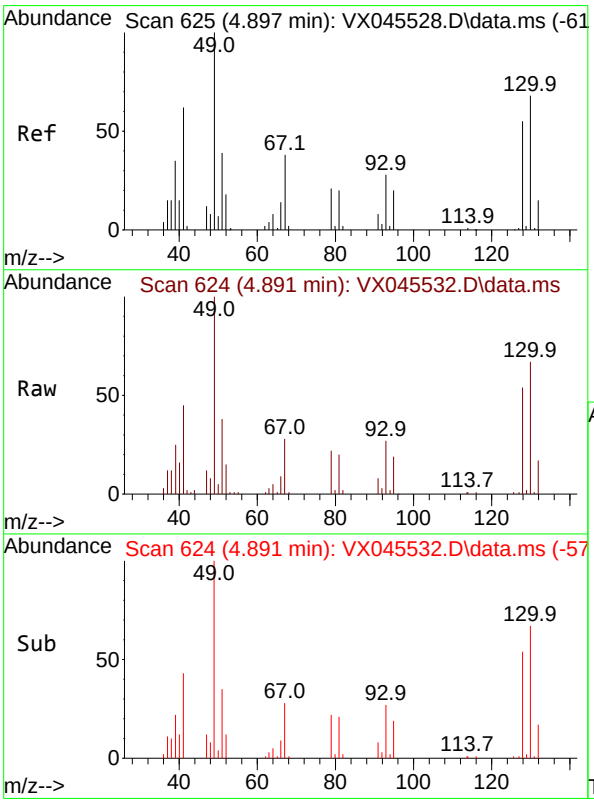
#27
cis-1,2-Dichloroethene
Concen: 49.049 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 96 Resp: 71072

Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	313.2
98	65.1	0.0	126.4

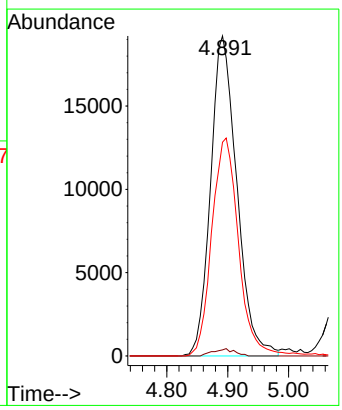


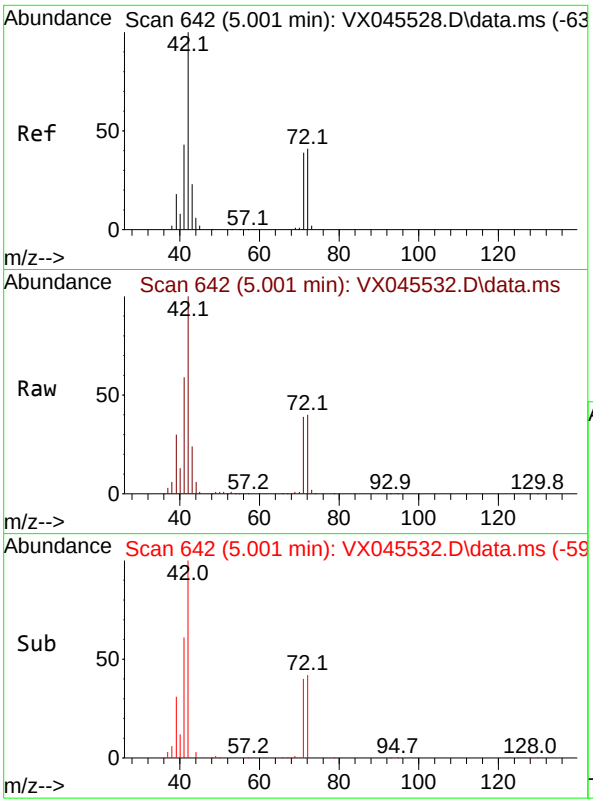


#28
Bromochloromethane
Concen: 48.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 49 Resp: 57557

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.3	54.6	81.8



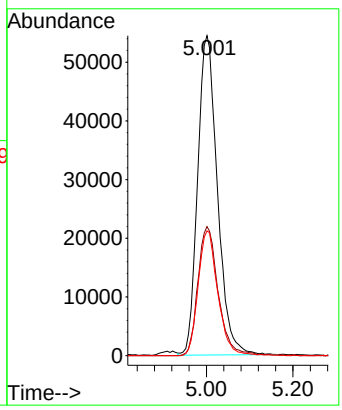


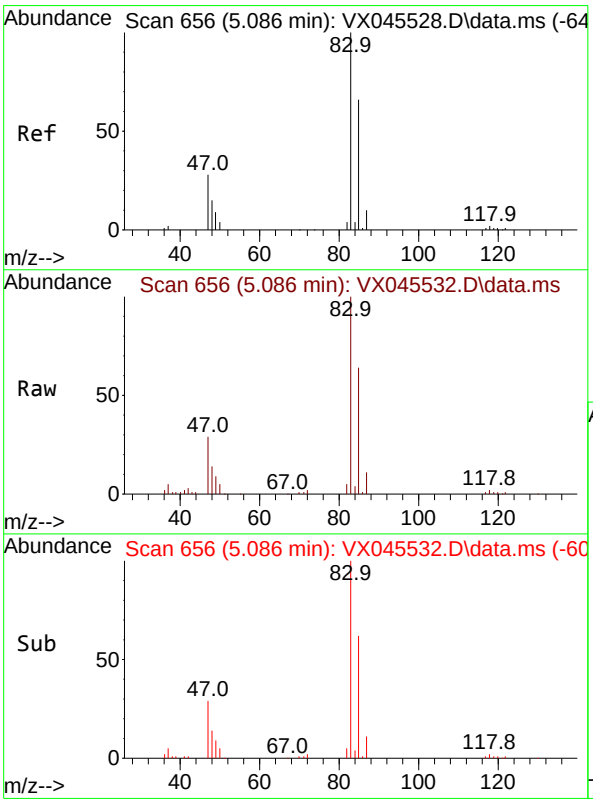
#29
Tetrahydrofuran
Concen: 249.473 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 42 Resp: 172405

Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.0	31.4	47.0

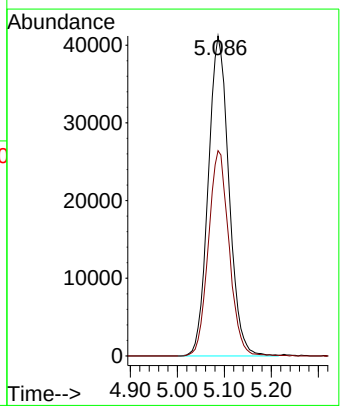


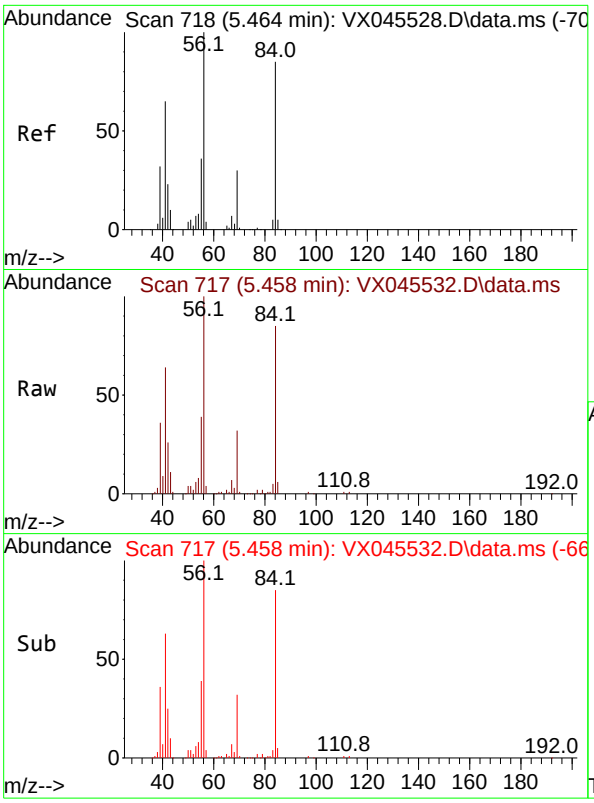


#30
Chloroform
Concen: 49.614 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 125621

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2



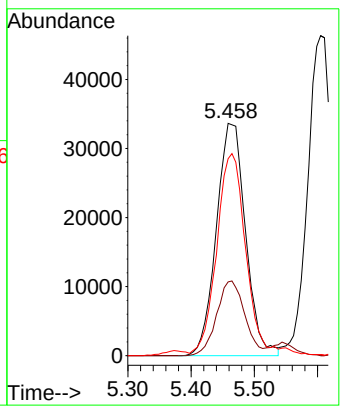


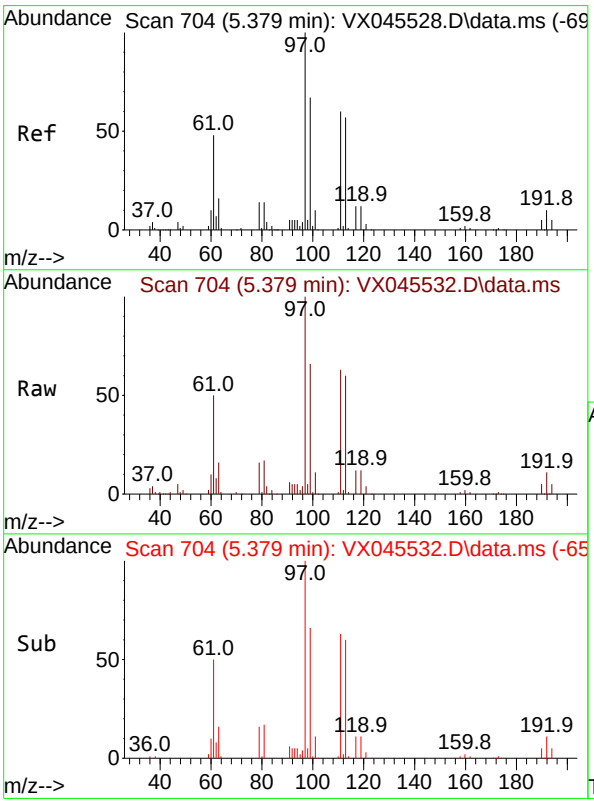
#31
Cyclohexane
Concen: 49.583 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 56 Resp: 107862

Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.6	35.4
84	82.7	67.7	101.5

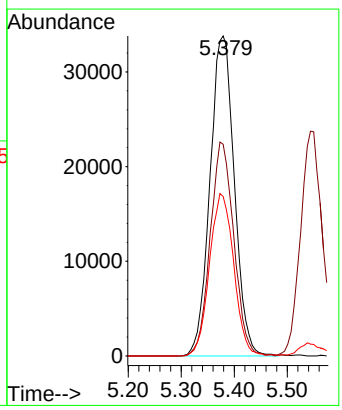


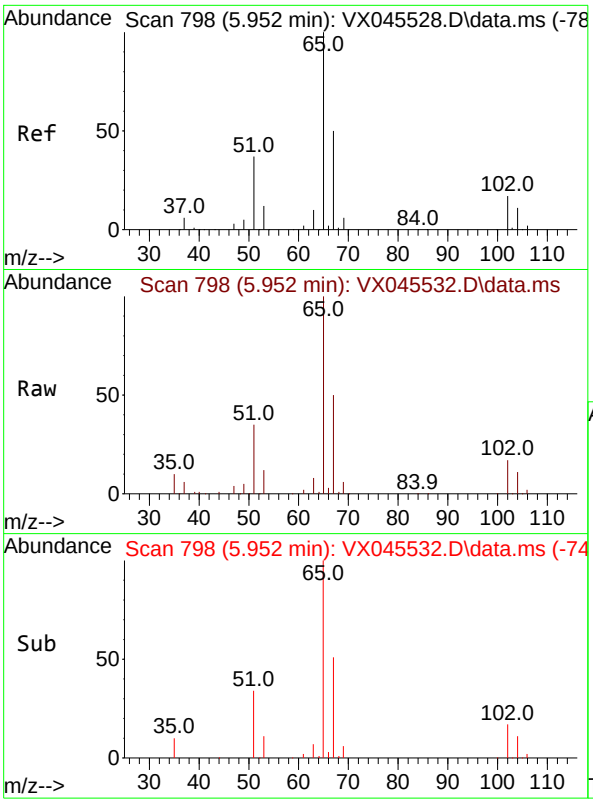


#32
1,1,1-Trichloroethane
Concen: 50.330 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 97 Resp: 107830

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	50.5	41.0	61.4



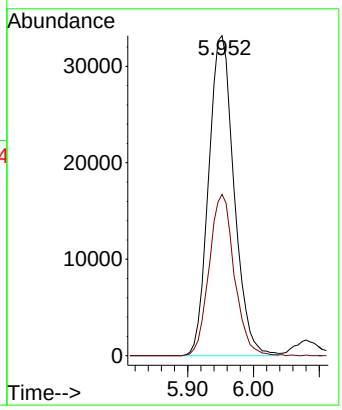


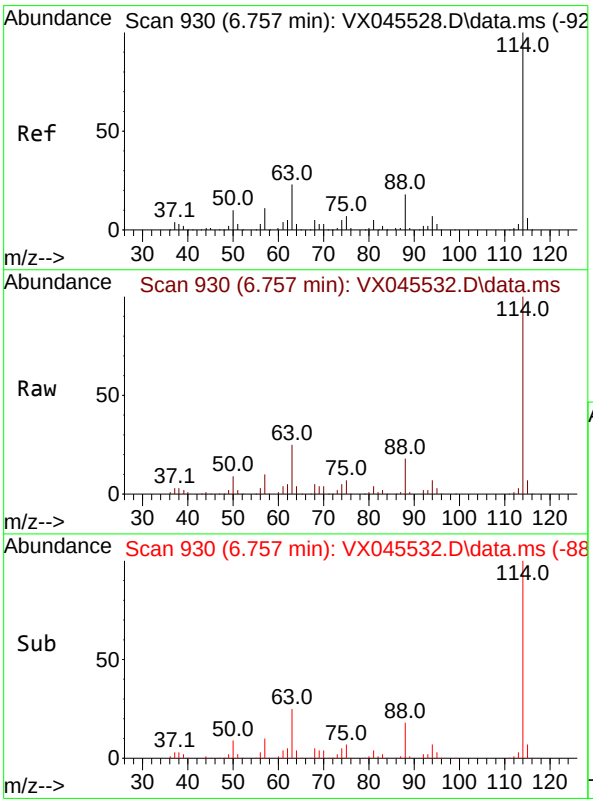
#33
1,2-Dichloroethane-d4
Concen: 50.329 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 65 Resp: 89251

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.0

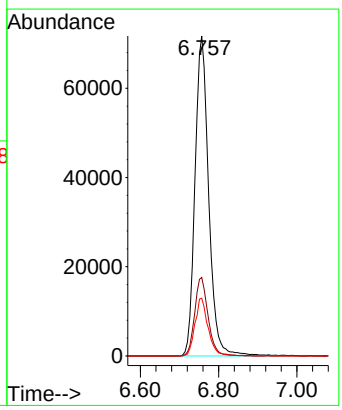


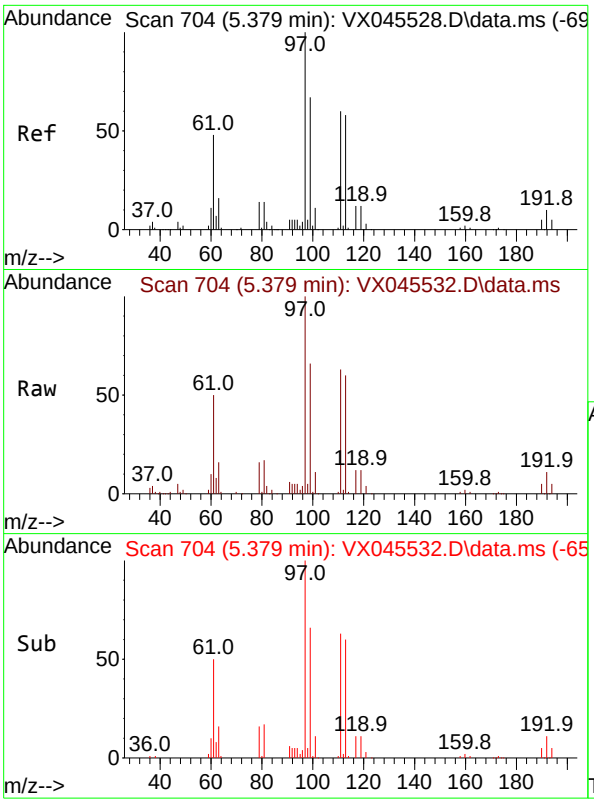


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:114 Resp: 174855

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.8
88	18.1	0.0	35.4



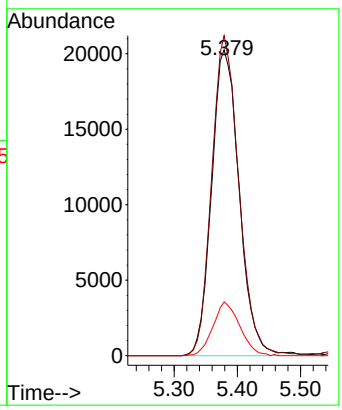


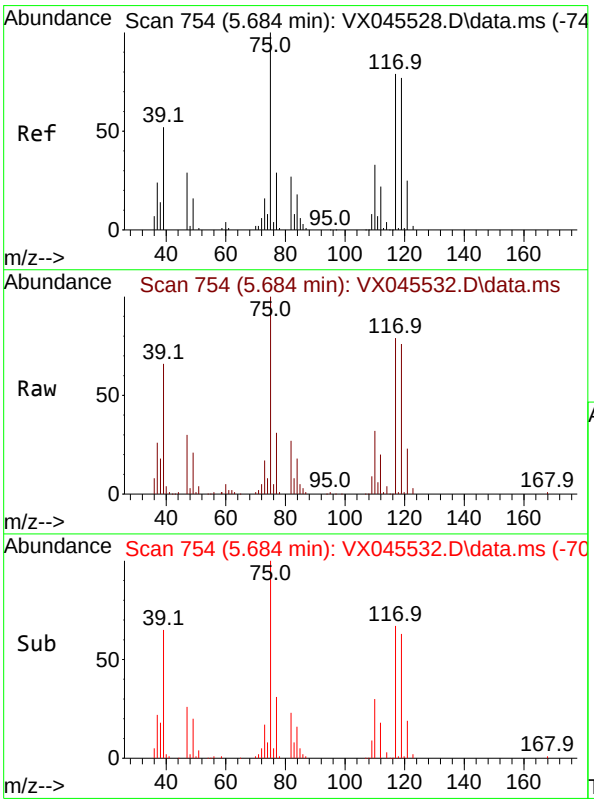
#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:113 Resp: 61107

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.2	13.8	20.6

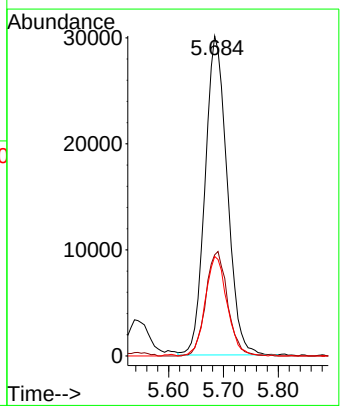


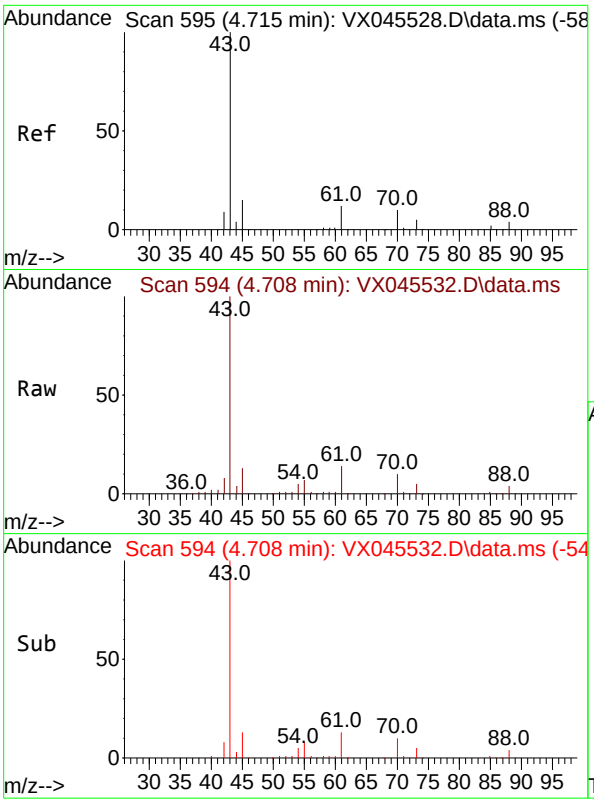


#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 83901

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.9	50.6
77	31.1	25.0	37.4



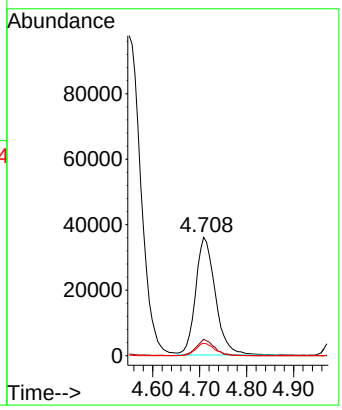


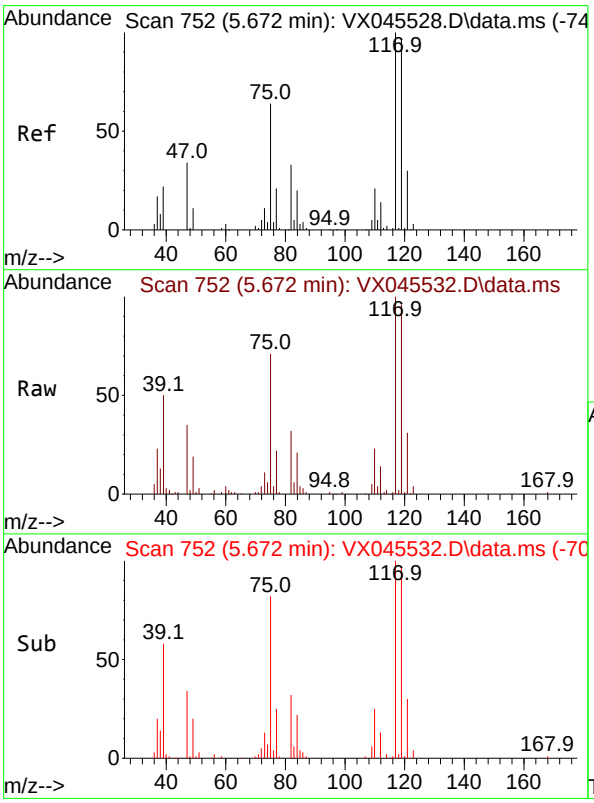
#37
Ethyl Acetate
Concen: 49.787 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 105095

Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	10.2	7.5	11.3

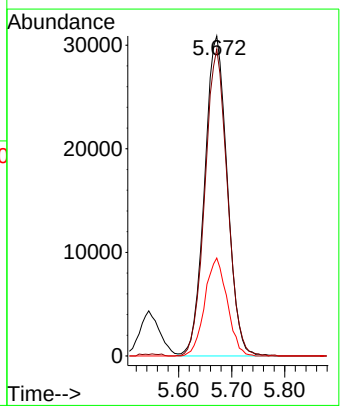


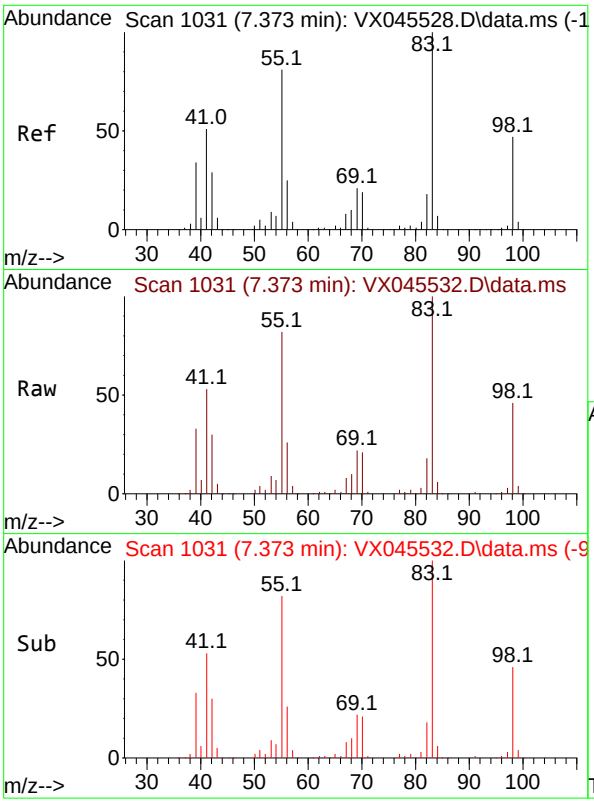


#38
Carbon Tetrachloride
Concen: 50.667 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 91723

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.6	24.2	36.2



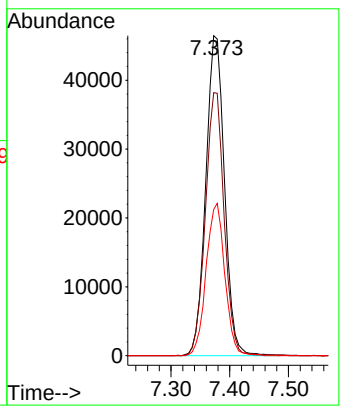


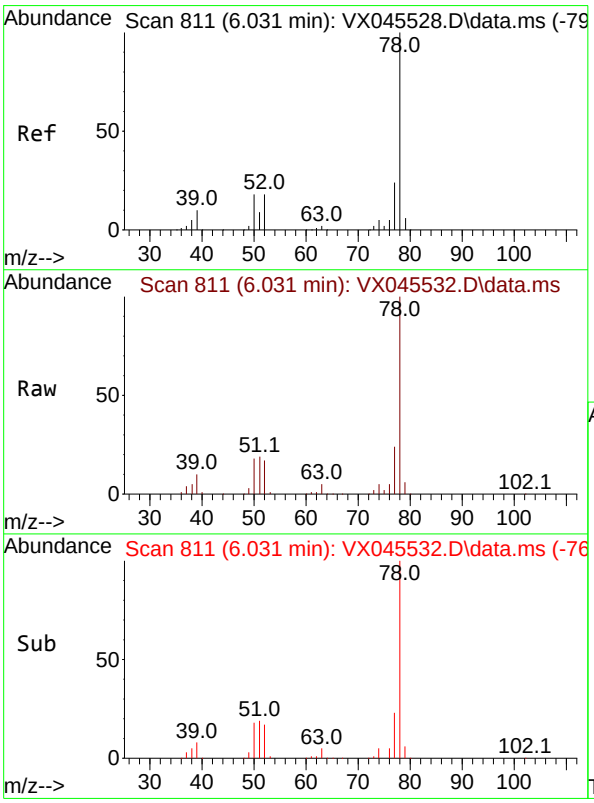
#39
Methylcyclohexane
Concen: 50.124 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 83 Resp: 102919

Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.9	97.3
98	45.7	37.4	56.0

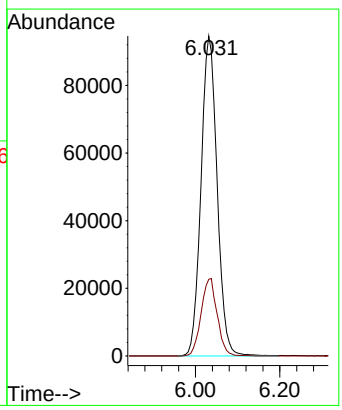


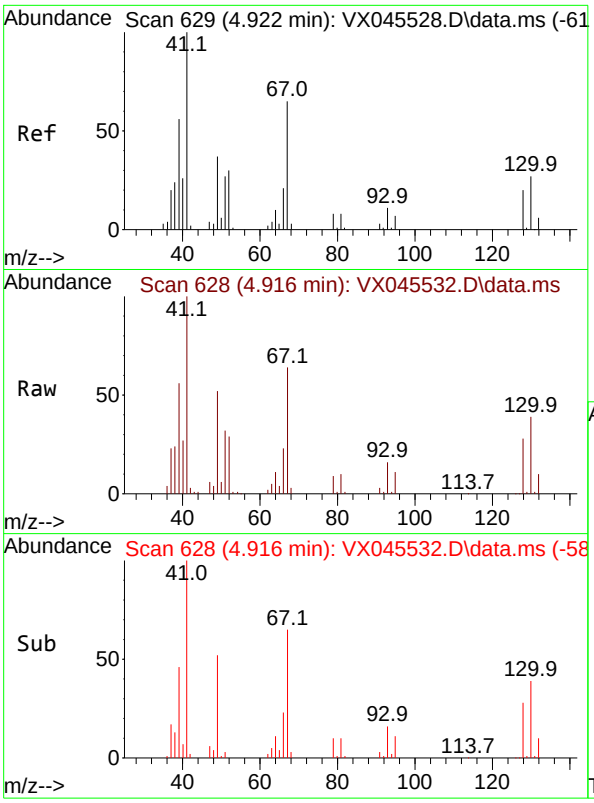


#40
Benzene
Concen: 49.212 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 78 Resp: 251758

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6



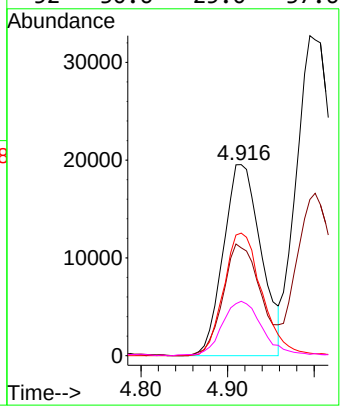


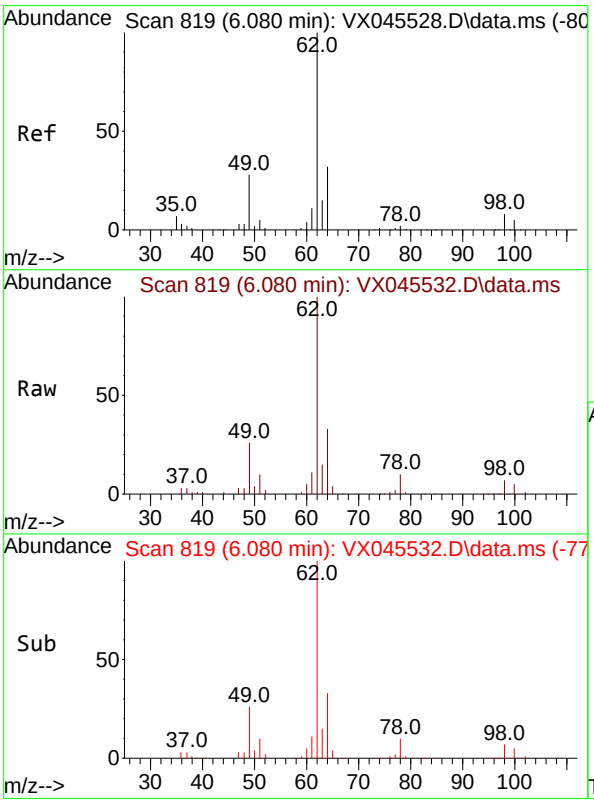
#41
Methacrylonitrile
Concen: 53.098 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 41 Resp: 59140

Ion	Ratio	Lower	Upper
41	100		
39	58.5	47.0	70.6
67	65.5	53.2	79.8
52	30.6	25.0	37.6

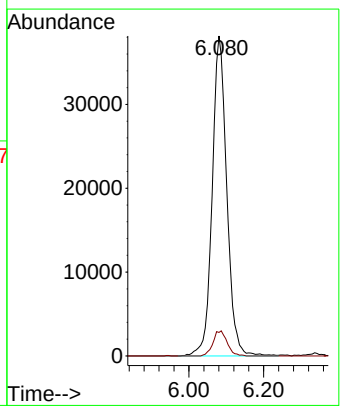


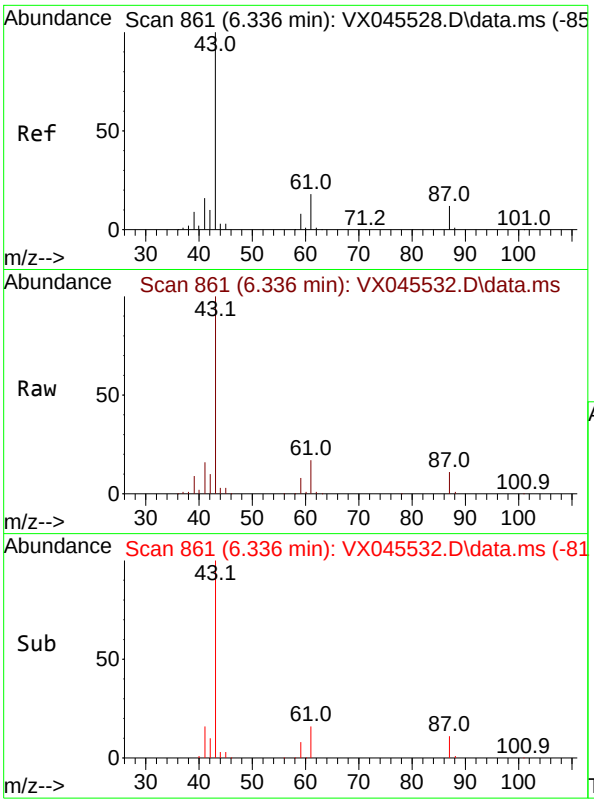


#42
1,2-Dichloroethane
Concen: 48.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 103270

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



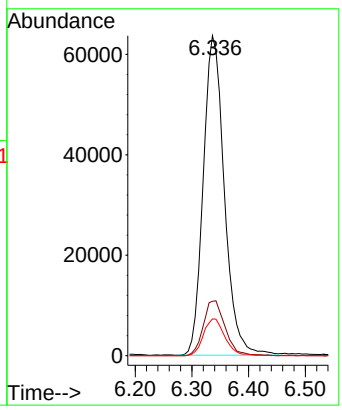


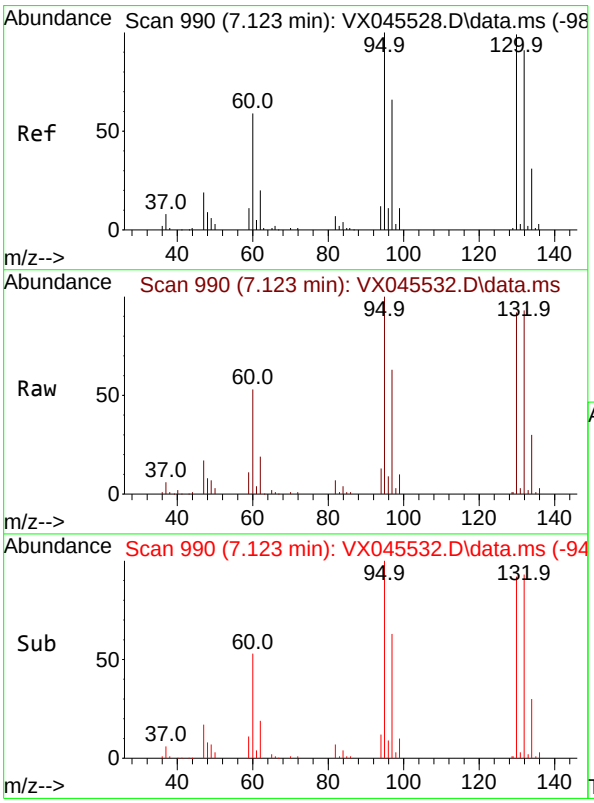
#43
Isopropyl Acetate
Concen: 51.539 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 164894

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.6	9.2	13.8

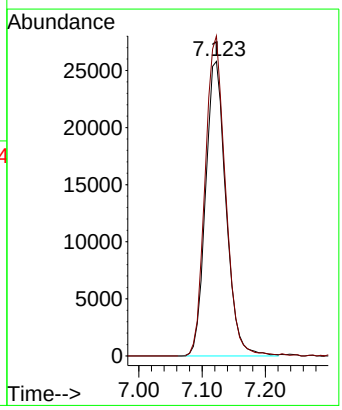


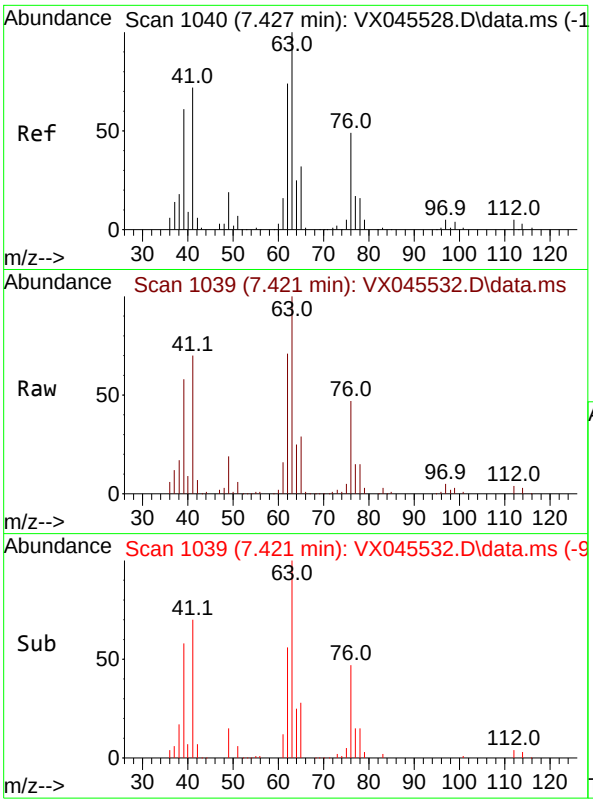


#44
Trichloroethene
Concen: 47.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:130 Resp: 57931

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0



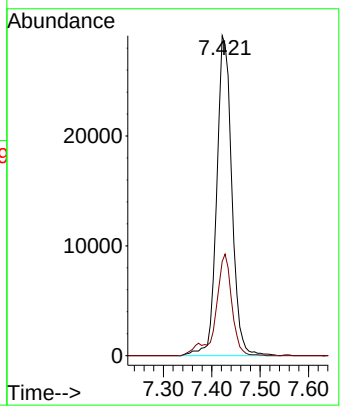


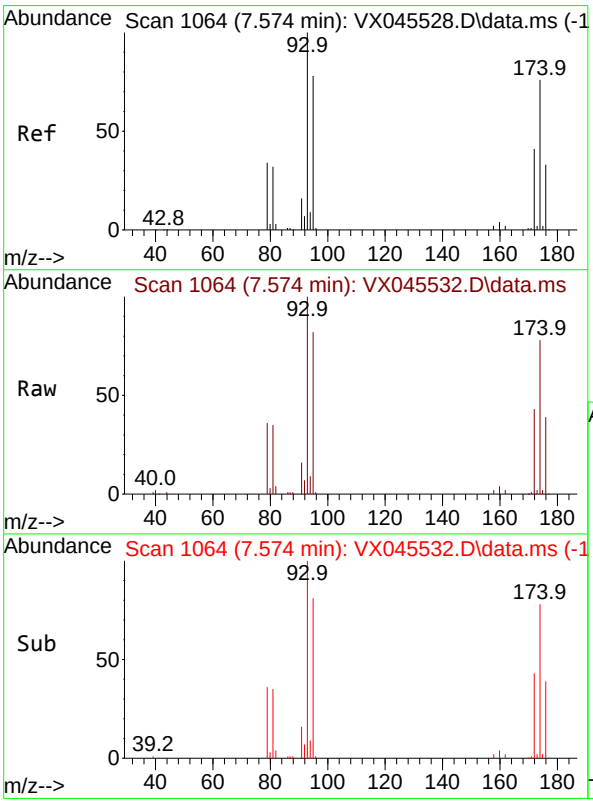
#45
1,2-Dichloropropane
Concen: 49.521 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 63 Resp: 63210

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.8	38.6

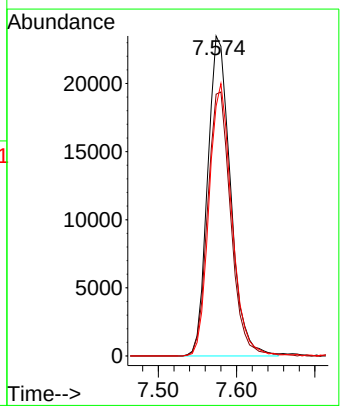


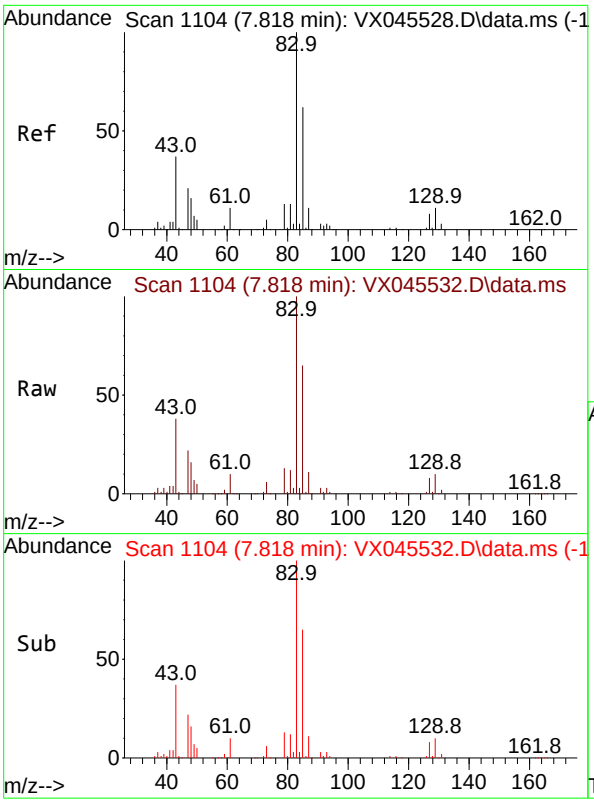


#46
Dibromomethane
Concen: 48.542 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 93 Resp: 47564

Ion	Ratio	Lower	Upper
93	100		
95	83.6	64.8	97.2
174	84.5	65.4	98.0



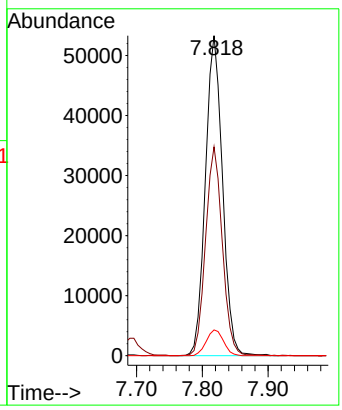


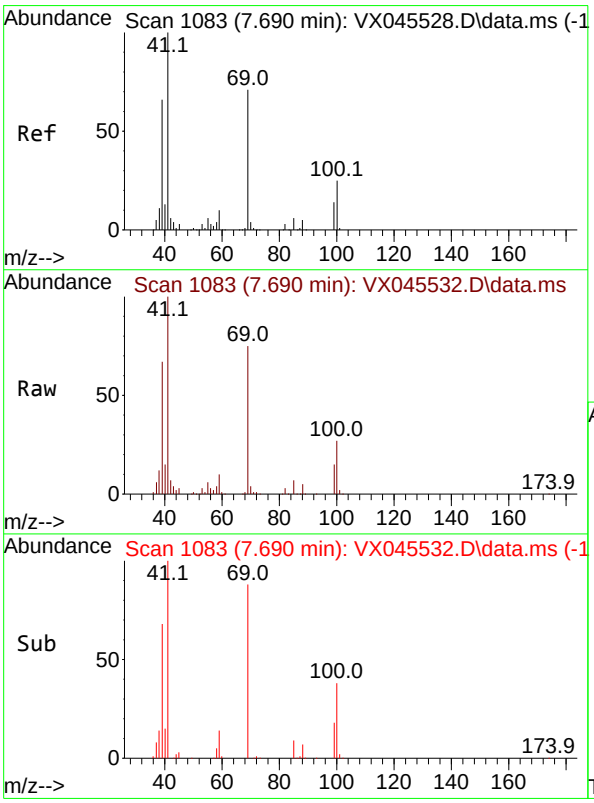
#47
Bromodichloromethane
Concen: 49.273 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 83 Resp: 96418

Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.7	74.5
127	8.1	6.1	9.1

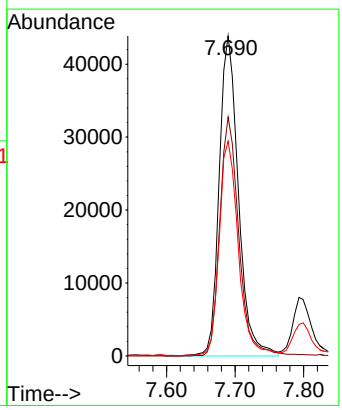


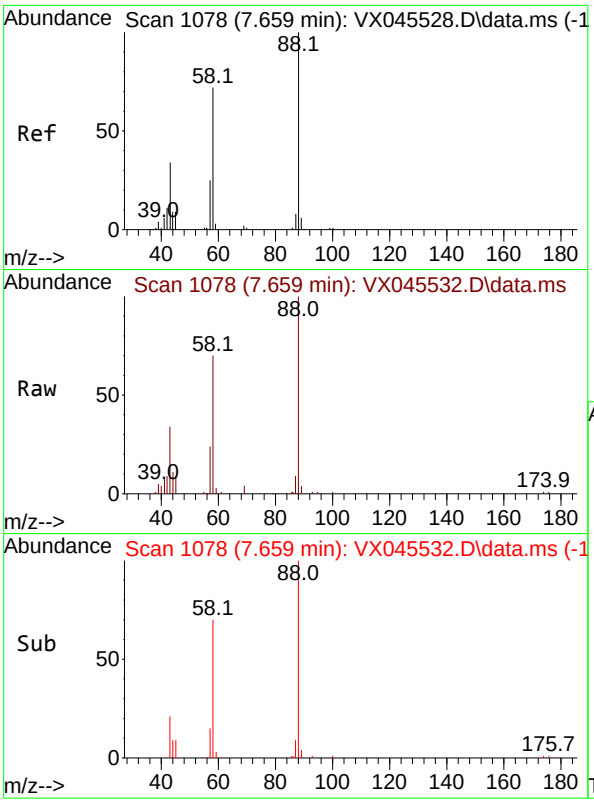


#48
Methyl methacrylate
Concen: 51.507 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 85084

Ion	Ratio	Lower	Upper
41	100		
69	74.5	58.2	87.2
39	67.3	53.6	80.4



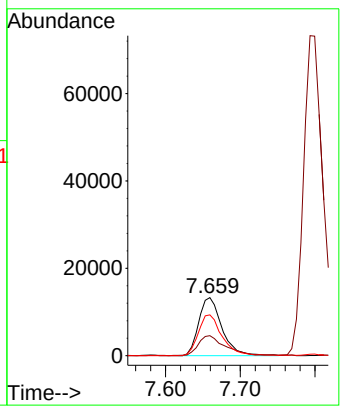


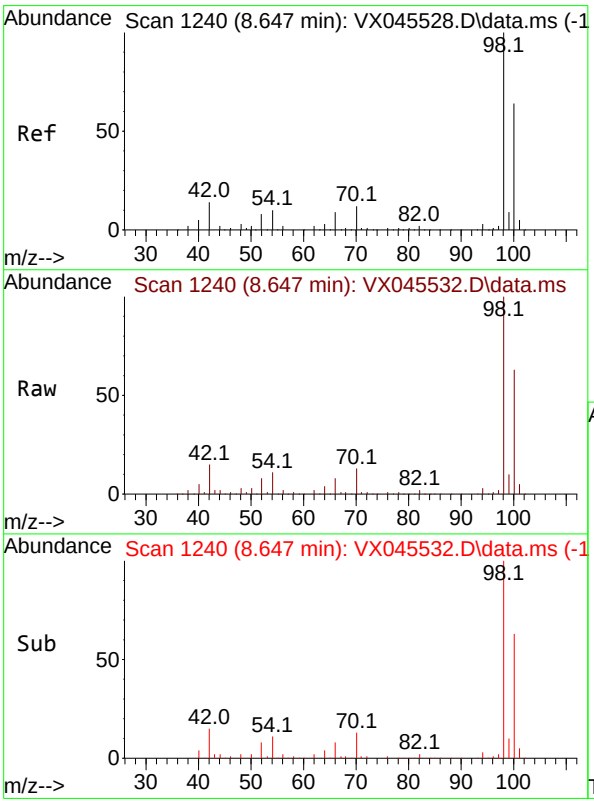
#49
1,4-Dioxane
Concen: 955.327 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 88 Resp: 28552

Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	72.2	58.6	88.0

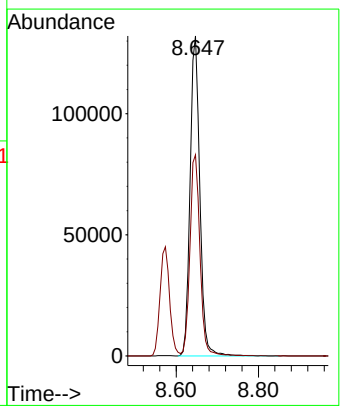


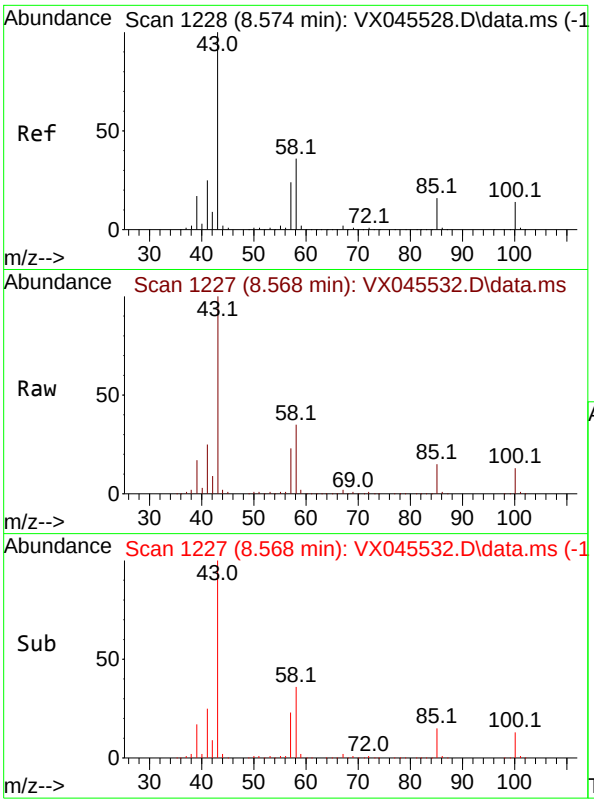


#50
Toluene-d8
Concen: 50.160 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 98 Resp: 217200

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4



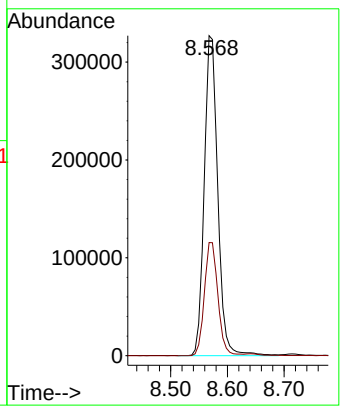


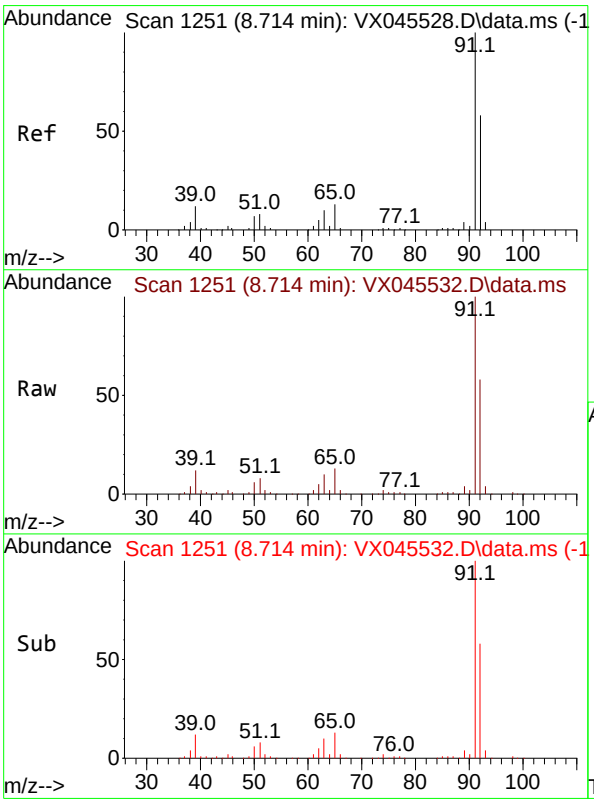
#51
4-Methyl-2-Pentanone
Concen: 254.994 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 540822

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7

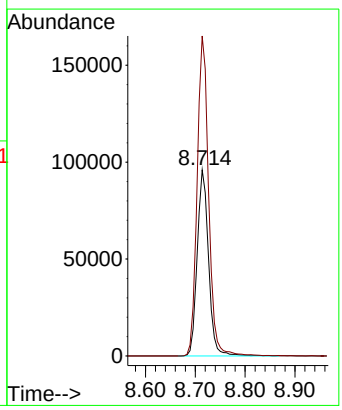


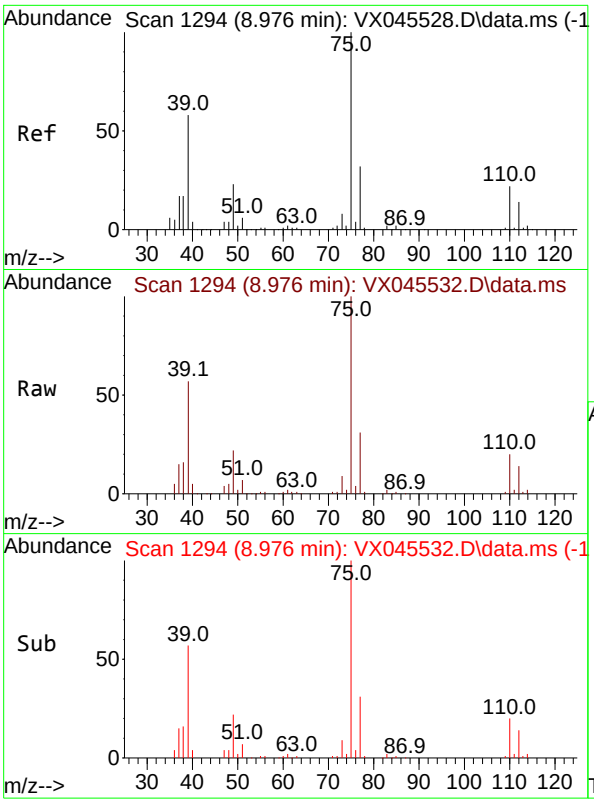


#52
Toluene
Concen: 48.994 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 92 Resp: 151664

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.7	208.1



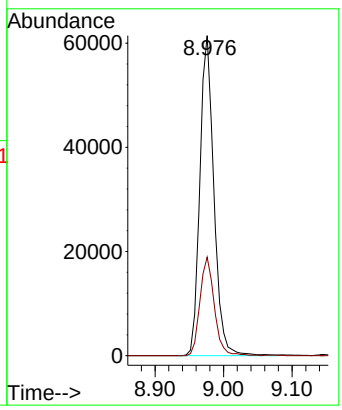


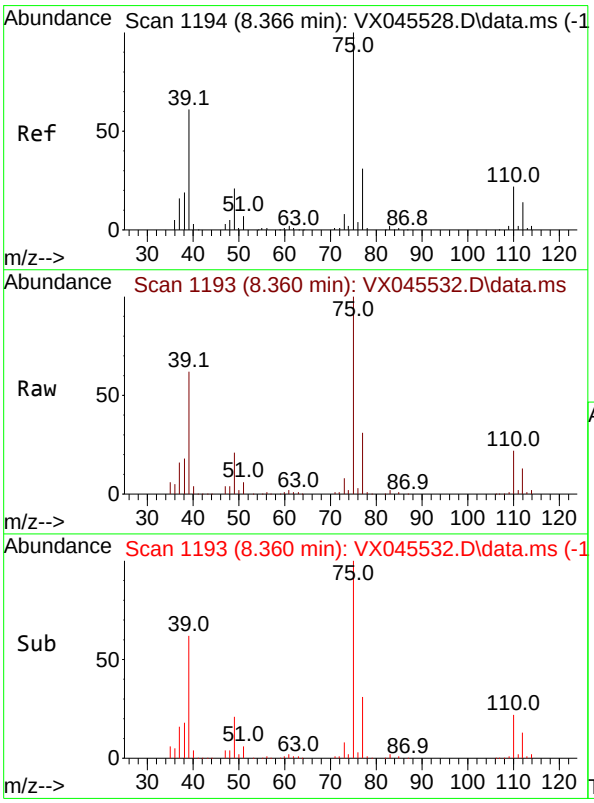
#53
t-1,3-Dichloropropene
Concen: 46.783 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 75 Resp: 87744

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0

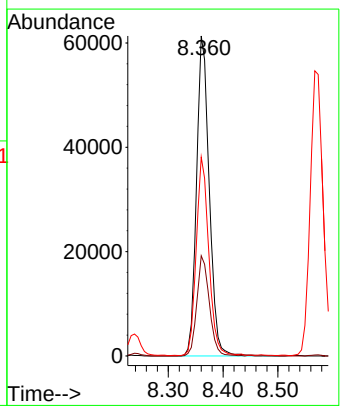


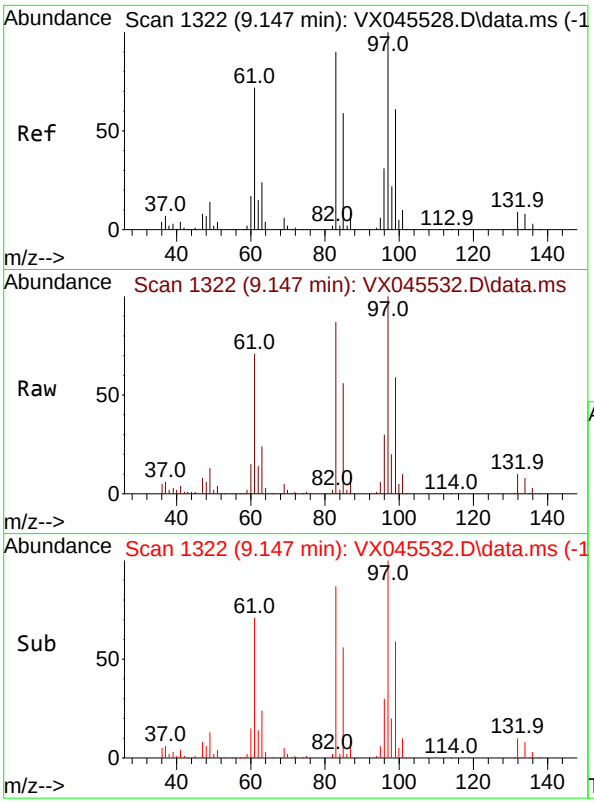


#54
cis-1,3-Dichloropropene
Concen: 53.878 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 99074

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	62.0	48.4	72.6



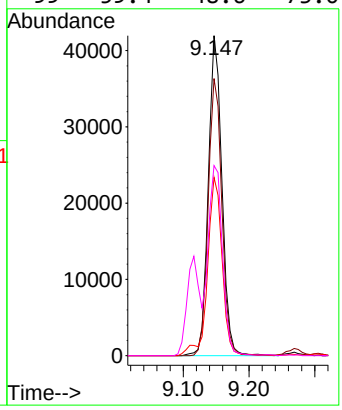


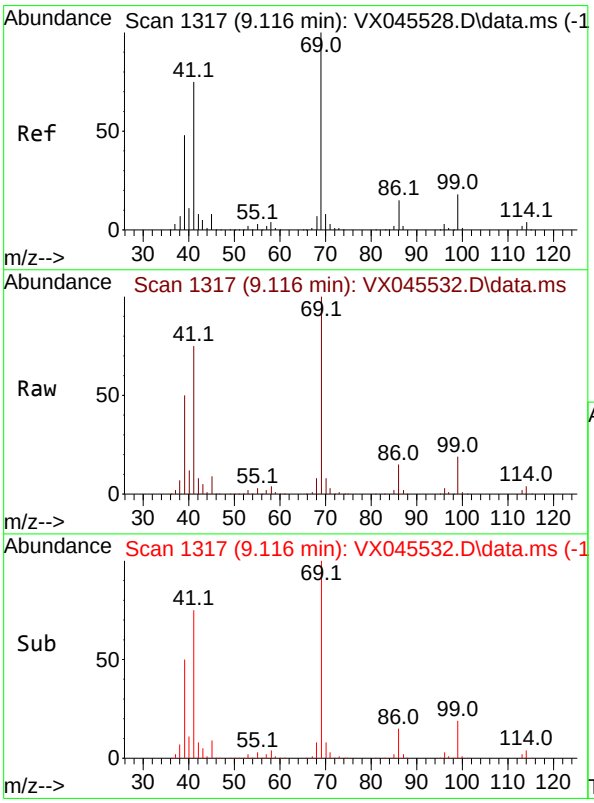
#55
1,1,2-Trichloroethane
Concen: 49.007 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 97 Resp: 60452

Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.8	107.8
85	55.7	47.0	70.6
99	59.4	48.6	73.0

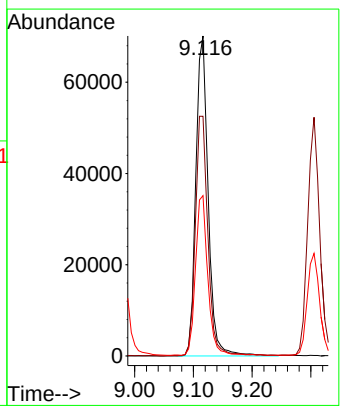


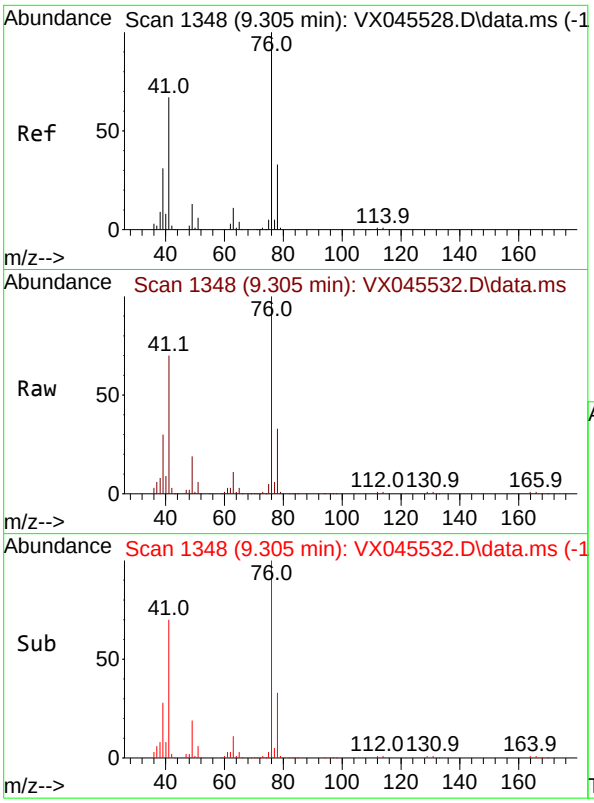


#56
Ethyl methacrylate
Concen: 53.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 69 Resp: 102525

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.3	91.9
39	50.7	40.2	60.2



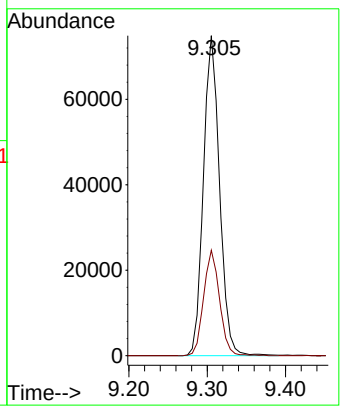


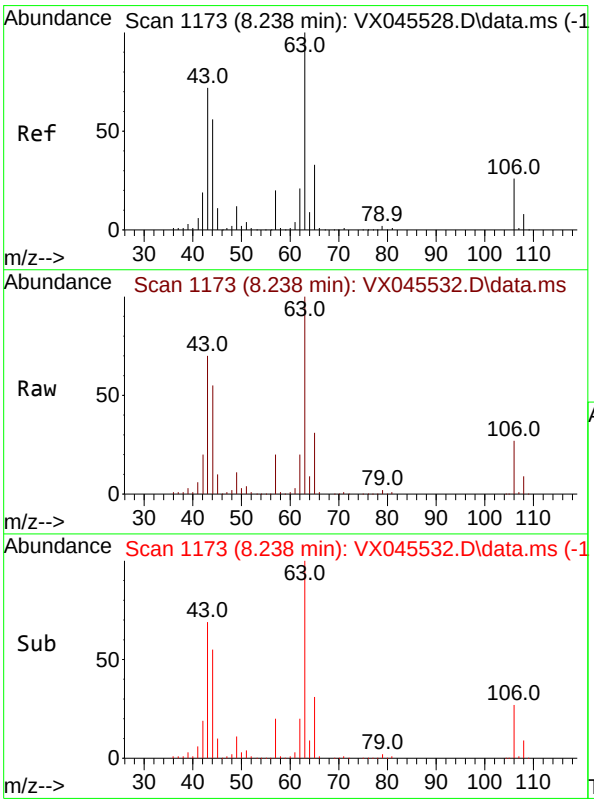
#57
1,3-Dichloropropane
Concen: 49.869 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 76 Resp: 107121

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

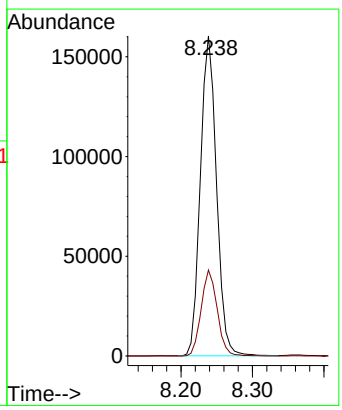


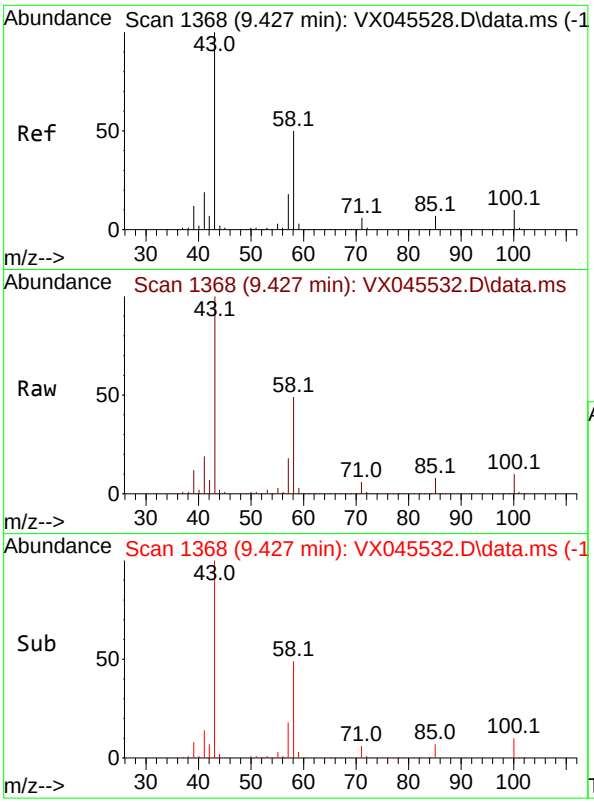


#58
2-Chloroethyl Vinyl ether
Concen: 260.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 251285

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6



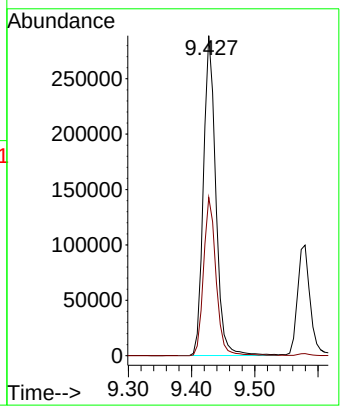


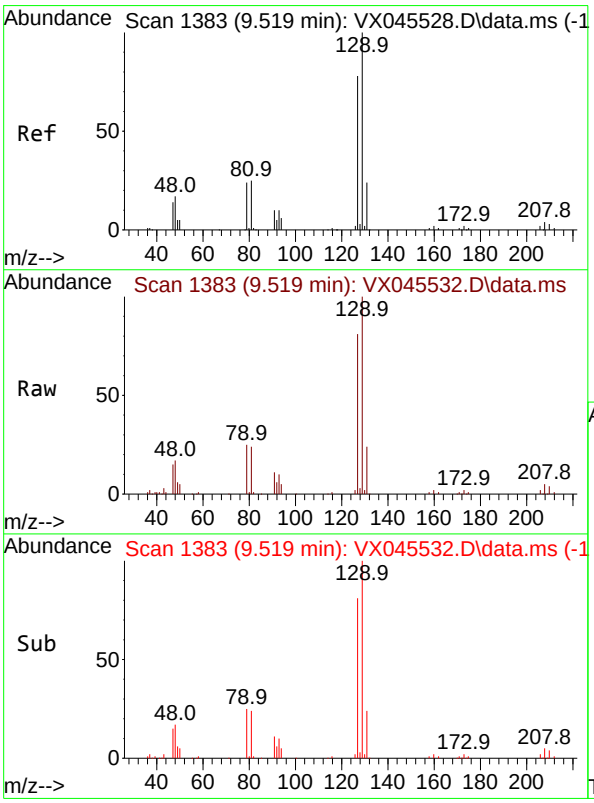
#59
2-Hexanone
Concen: 251.710 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 43 Resp: 395336

Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

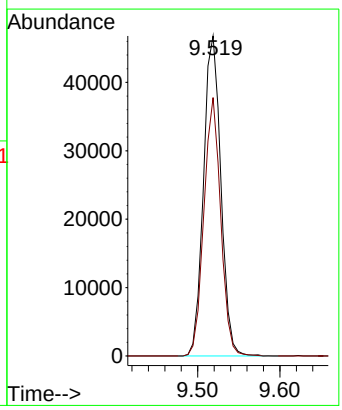


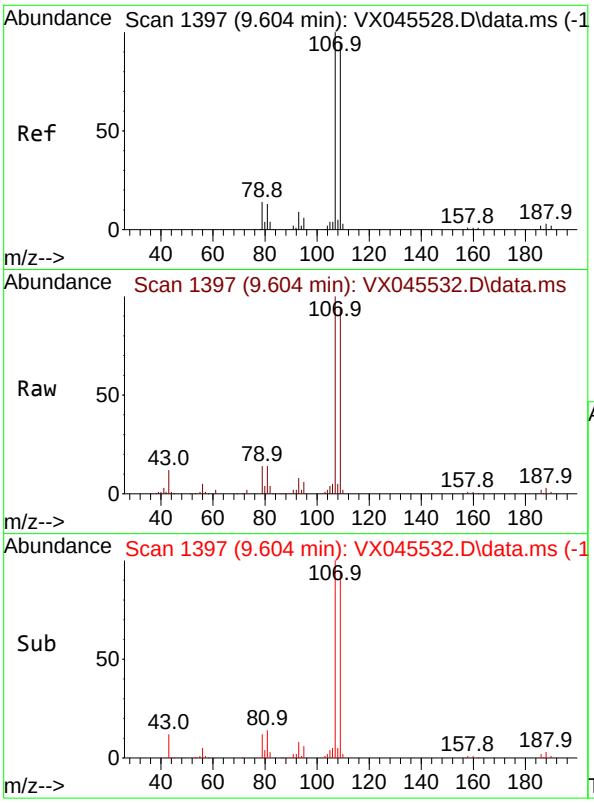


#60
Dibromochloromethane
Concen: 50.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:129 Resp: 68562

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2



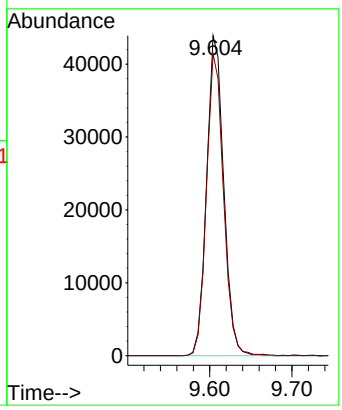


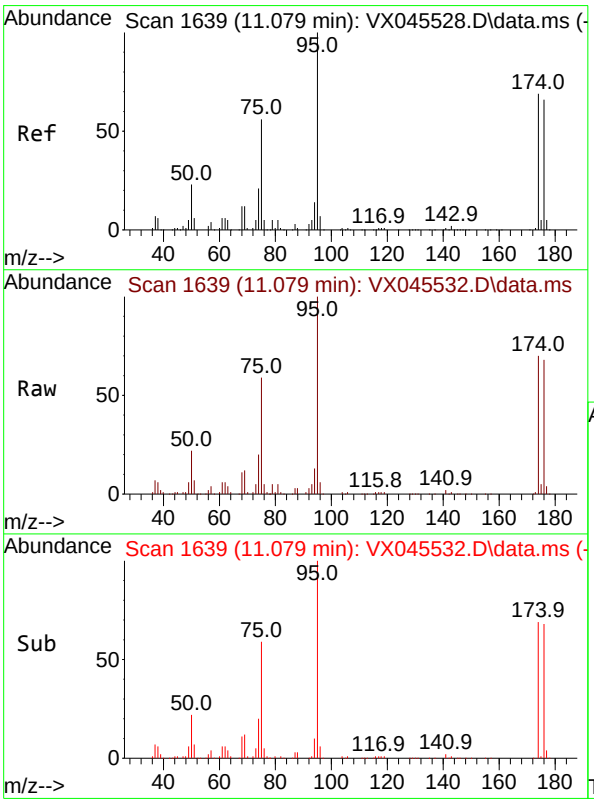
#61
1,2-Dibromoethane
Concen: 50.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:107 Resp: 63301

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

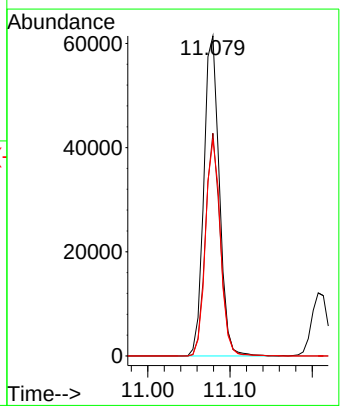


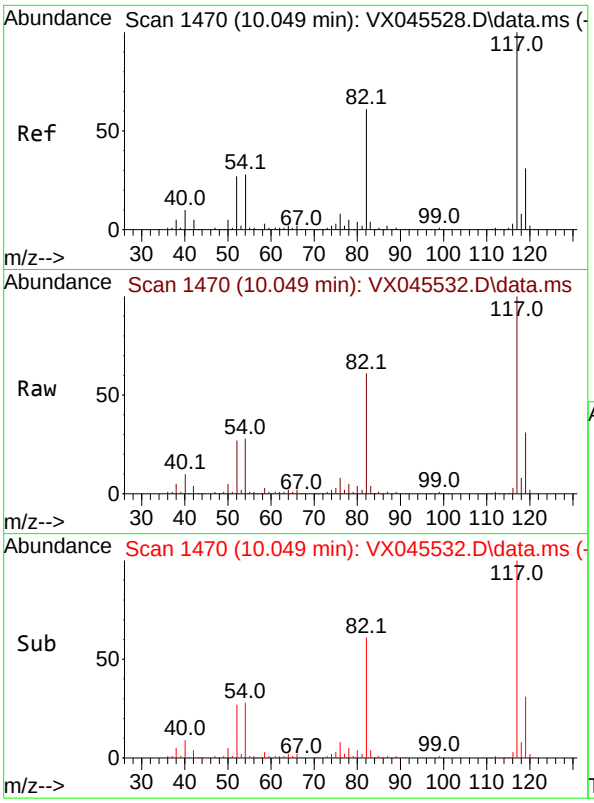


#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 95 Resp: 80376

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	135.8
176	65.2	0.0	131.4



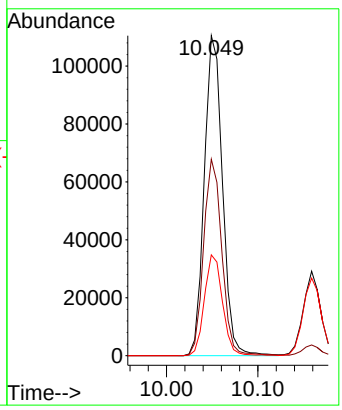


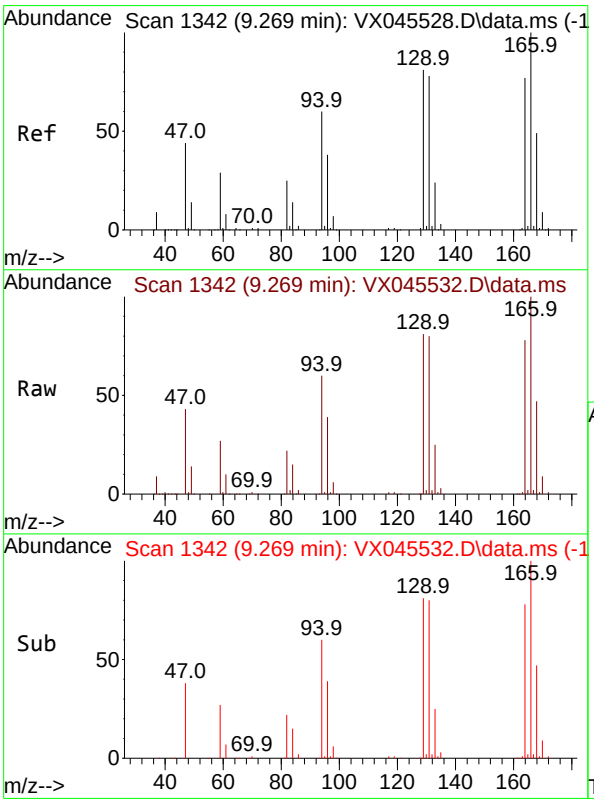
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:117 Resp: 152417

Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	31.5	25.1	37.7

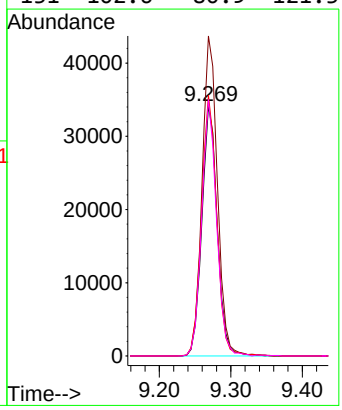


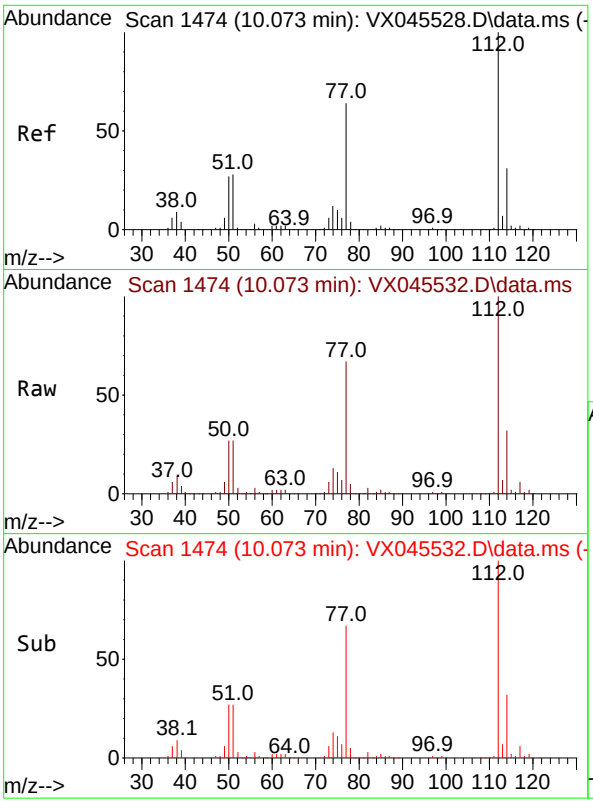


#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:164 Resp: 50834

Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.8	155.8
129	104.3	84.3	126.5
131	102.6	80.9	121.3



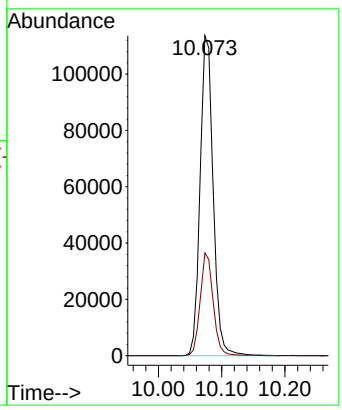


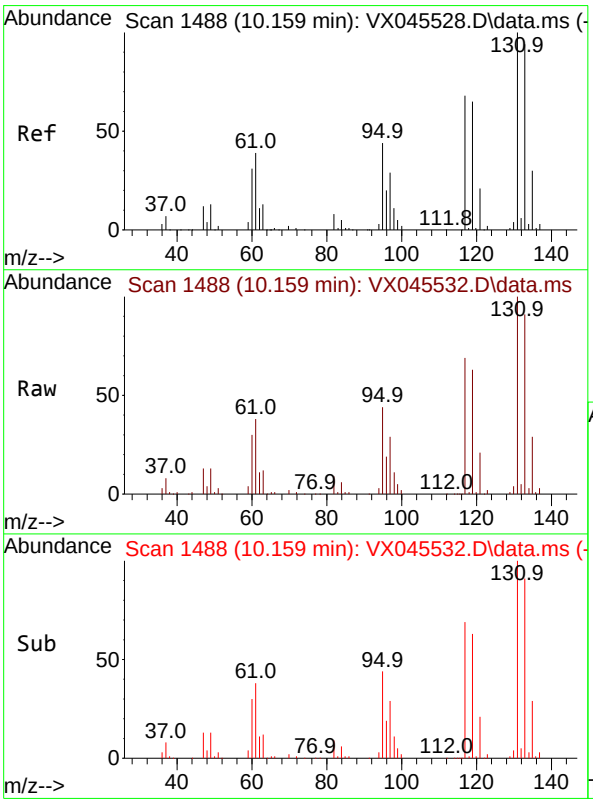
#65
Chlorobenzene
Concen: 50.207 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:112 Resp: 163518

Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.7	37.1

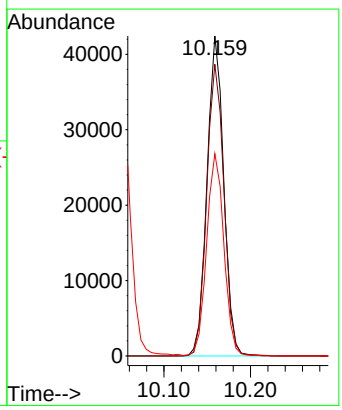


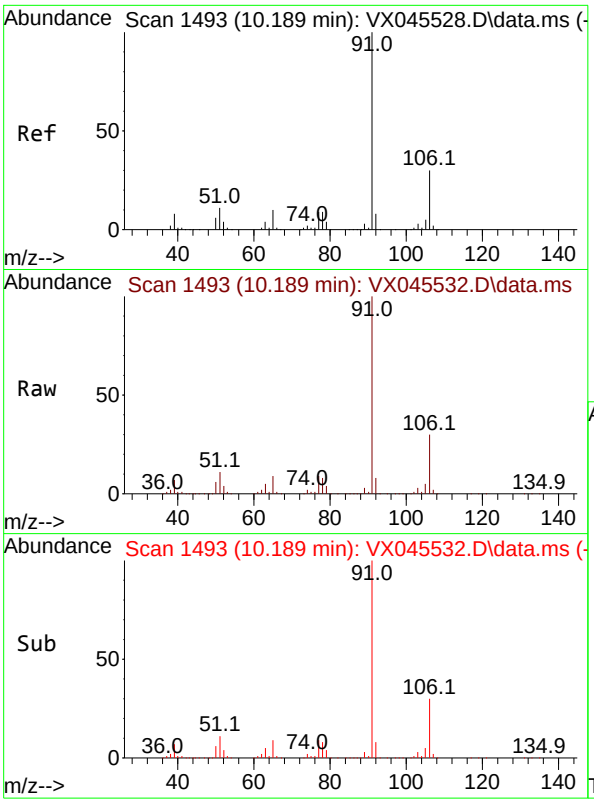


#66
1,1,1,2-Tetrachloroethane
Concen: 50.495 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:131 Resp: 57096

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.5	142.5
119	65.0	32.9	98.6



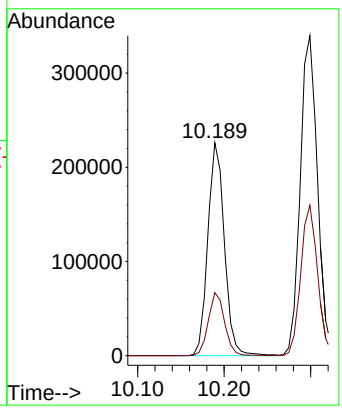


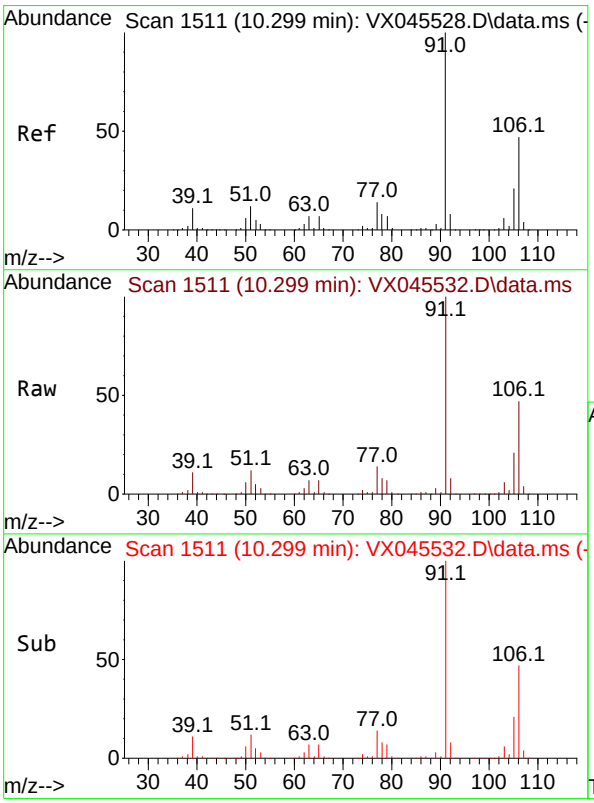
#67
Ethyl Benzene
Concen: 51.558 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 91 Resp: 300747

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5

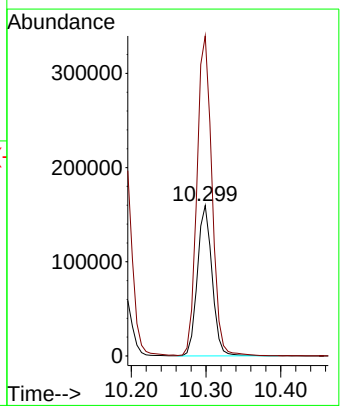


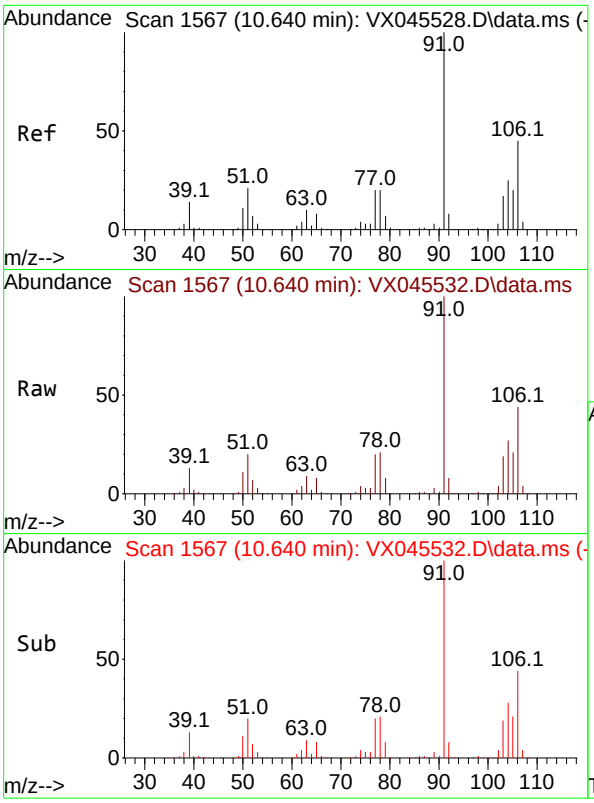


#68
m/p-Xylenes
Concen: 102.728 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 217943

Ion	Ratio	Lower	Upper
106	100		
91	217.6	172.6	258.8



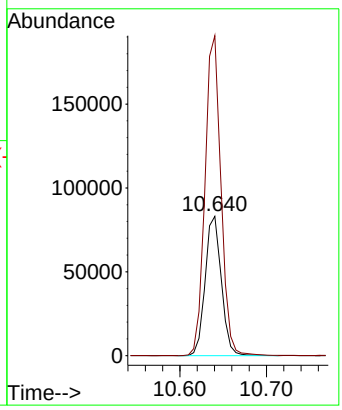


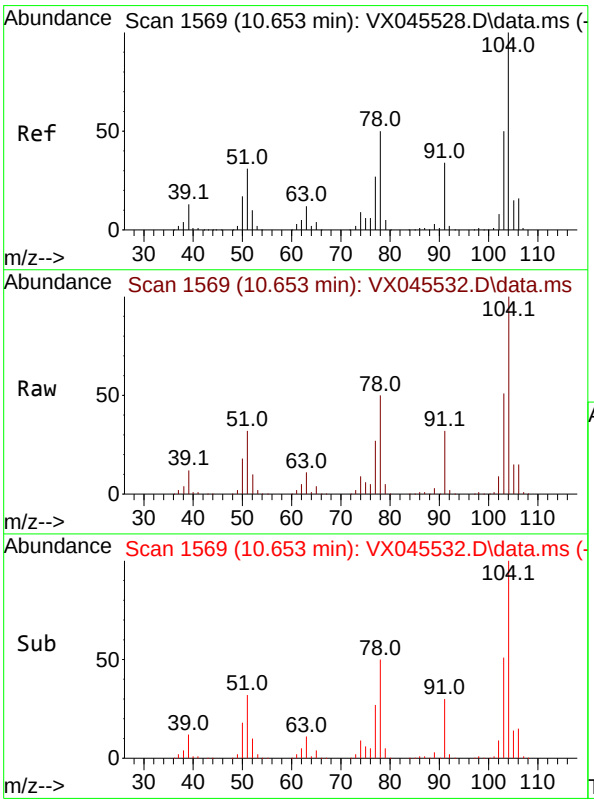
#69
o-Xylene
Concen: 51.650 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:106 Resp: 107947

Ion	Ratio	Lower	Upper
106	100		
91	226.8	113.6	340.6

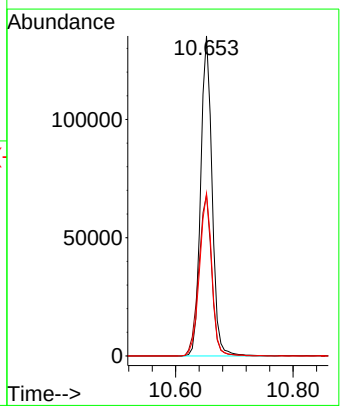


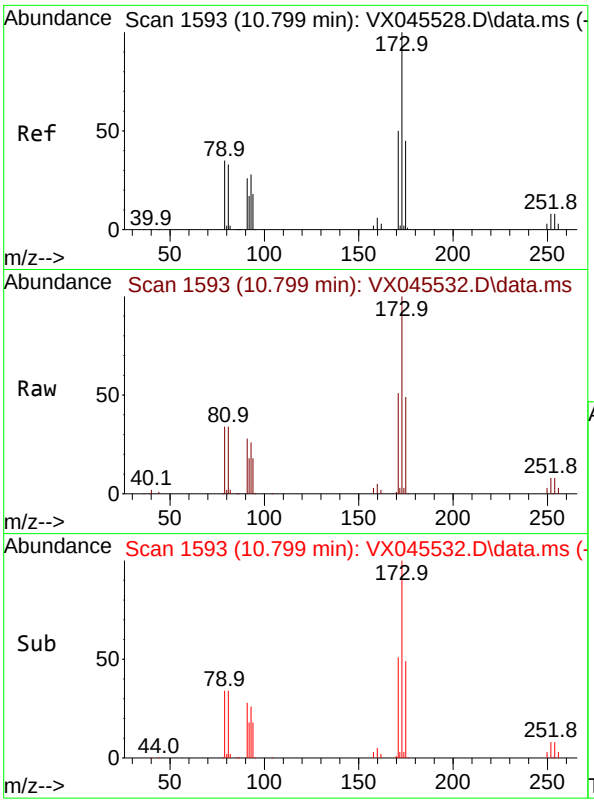


#70
Styrene
Concen: 52.624 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:104 Resp: 181524

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	55.2	43.8	65.8



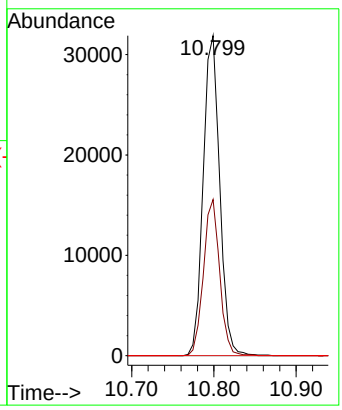


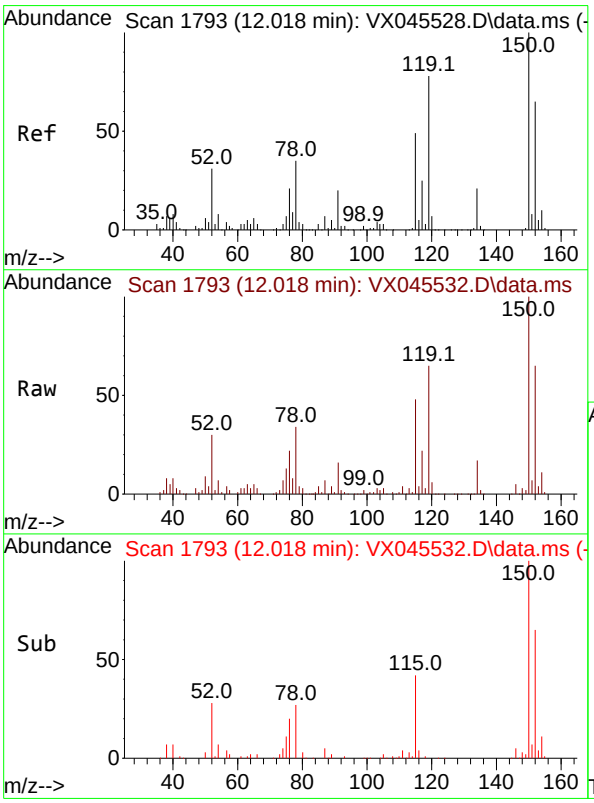
#71
Bromoform
Concen: 52.694 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:173 Resp: 44489

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.2
254	0.0	0.0	0.0

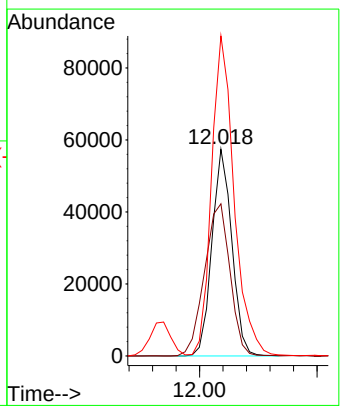


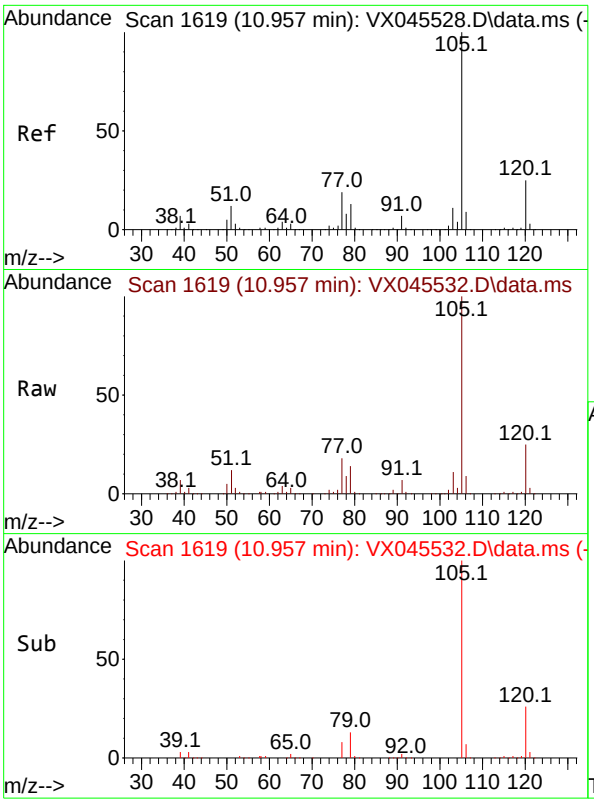


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:152 Resp: 67633

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	175.4	0.0	349.4



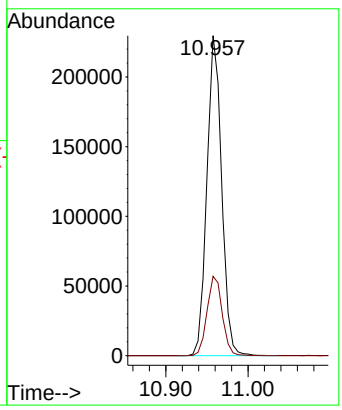


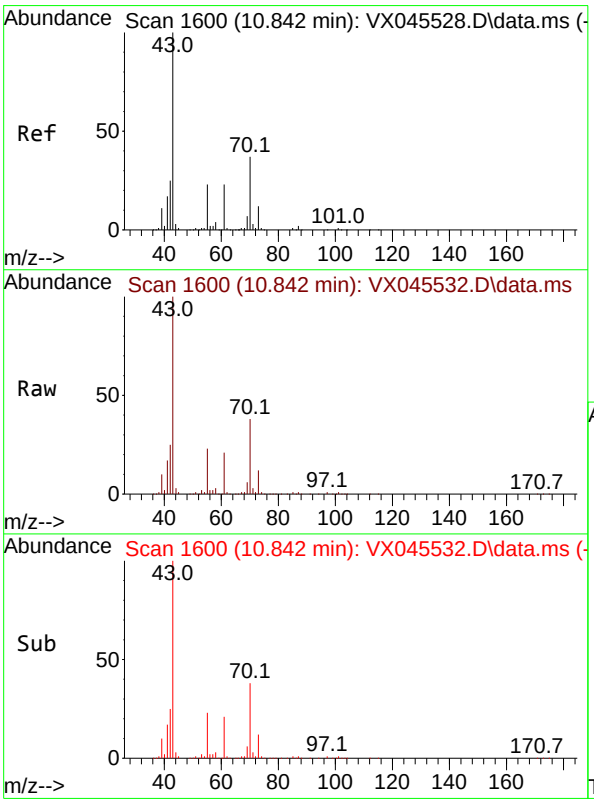
#73
Isopropylbenzene
Concen: 52.794 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:105 Resp: 286010

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

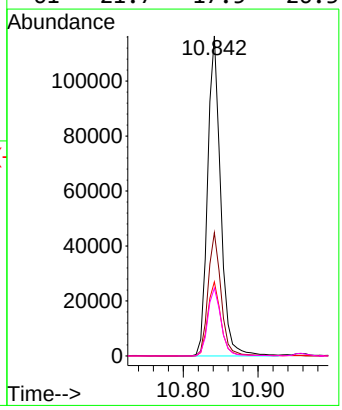


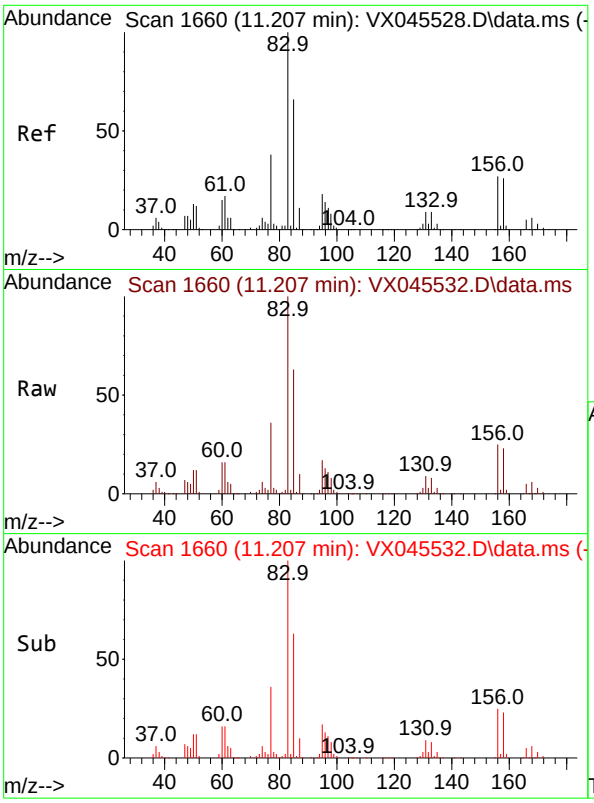


#74
N-amyl acetate
Concen: 54.387 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 140941

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.1	45.1
55	23.3	18.3	27.5
61	21.7	17.5	26.3



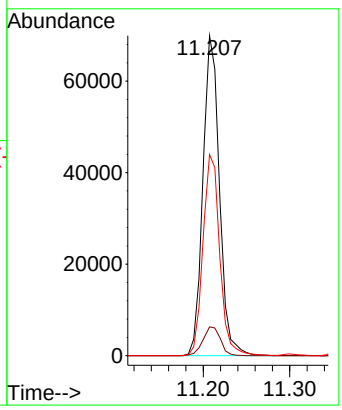


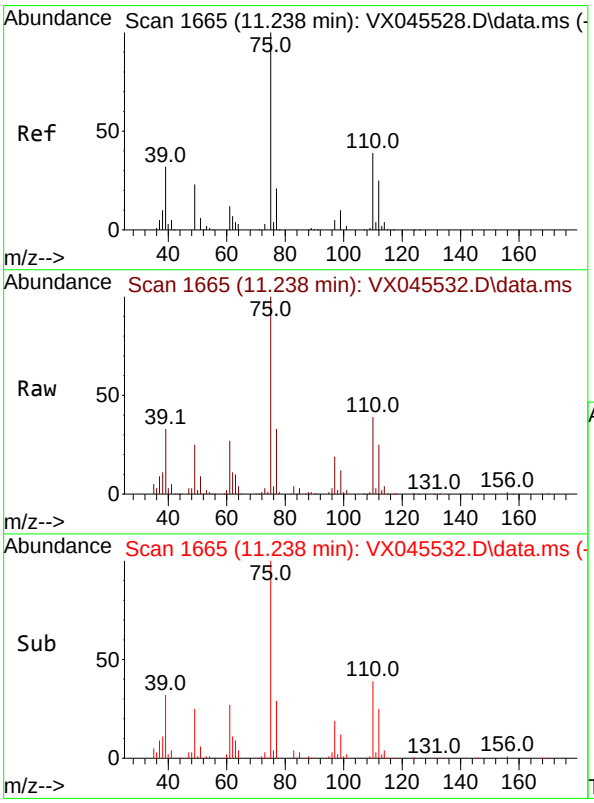
#75
1,1,2,2-Tetrachloroethane
Concen: 48.608 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 83 Resp: 92505

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.9	32.4	97.2

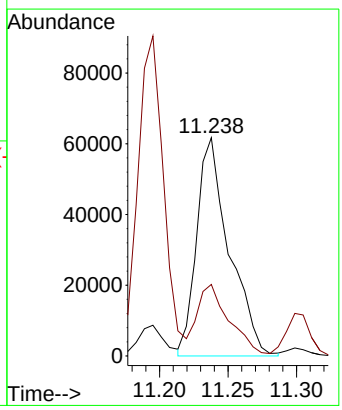


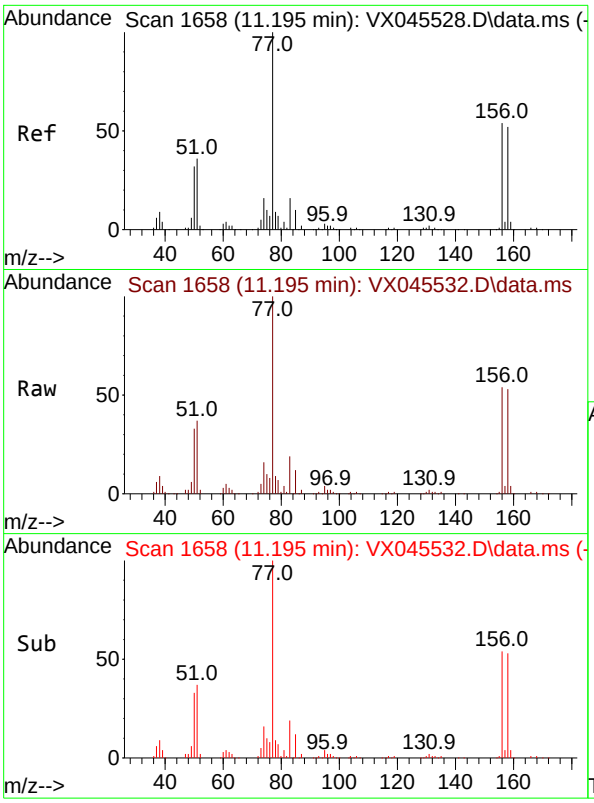


#76
1,2,3-Trichloropropane
Concen: 61.984 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 102257

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.0	59.9



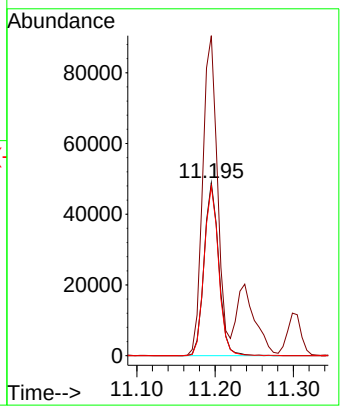


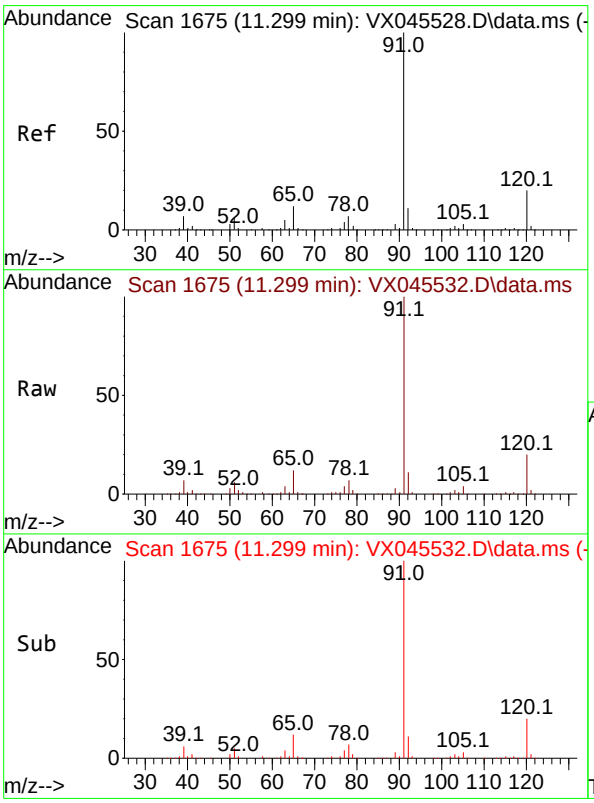
#77
Bromobenzene
Concen: 50.525 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:156 Resp: 63244

Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.6	277.8
158	97.5	48.1	144.4

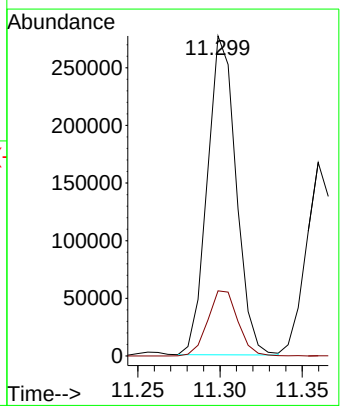


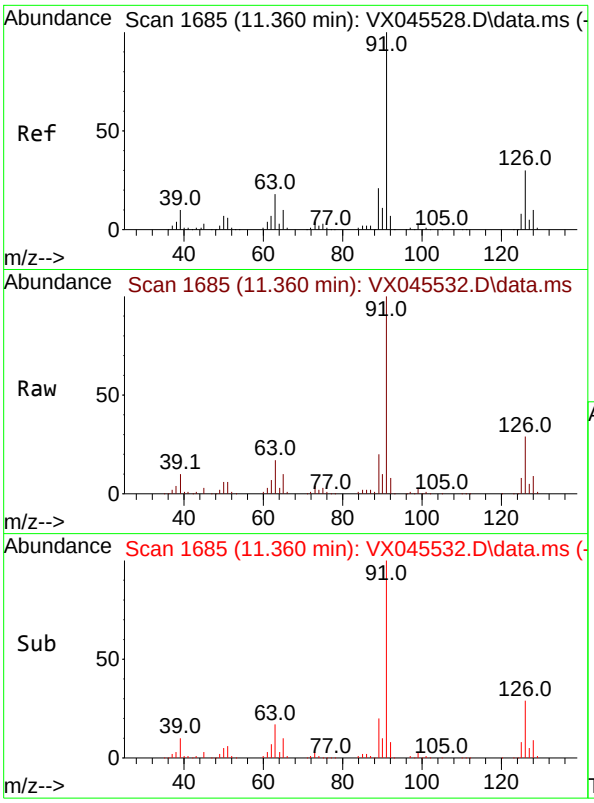


#78
n-propylbenzene
Concen: 53.967 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 336753

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3



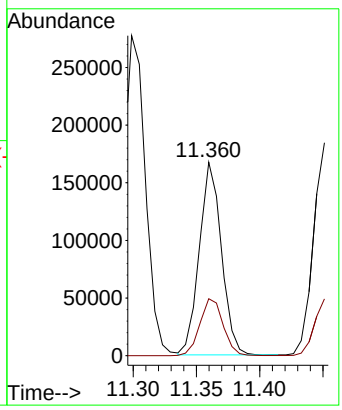


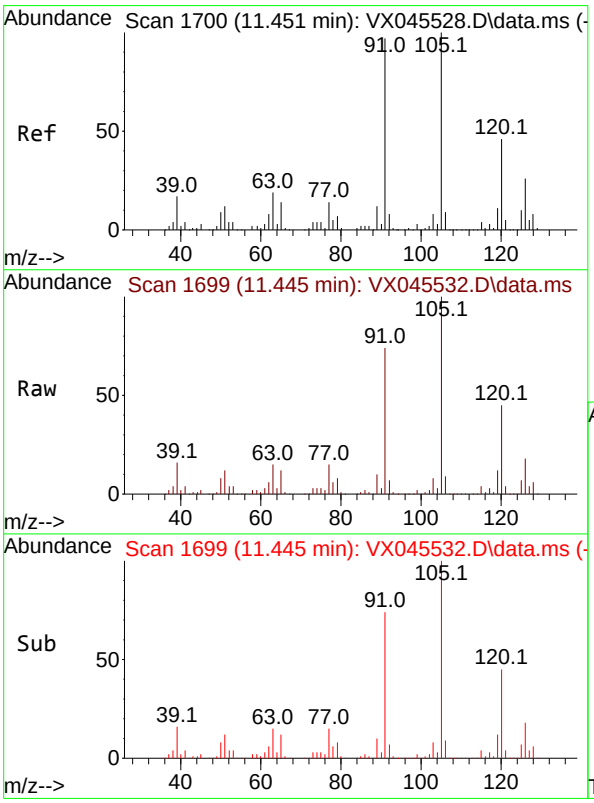
#79
2-Chlorotoluene
Concen: 51.057 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 91 Resp: 203677

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

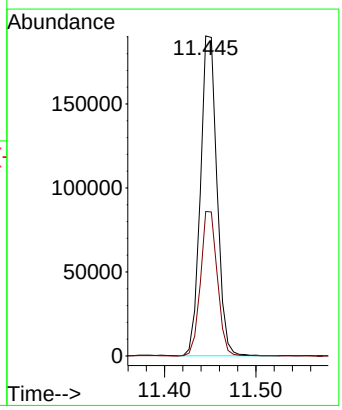


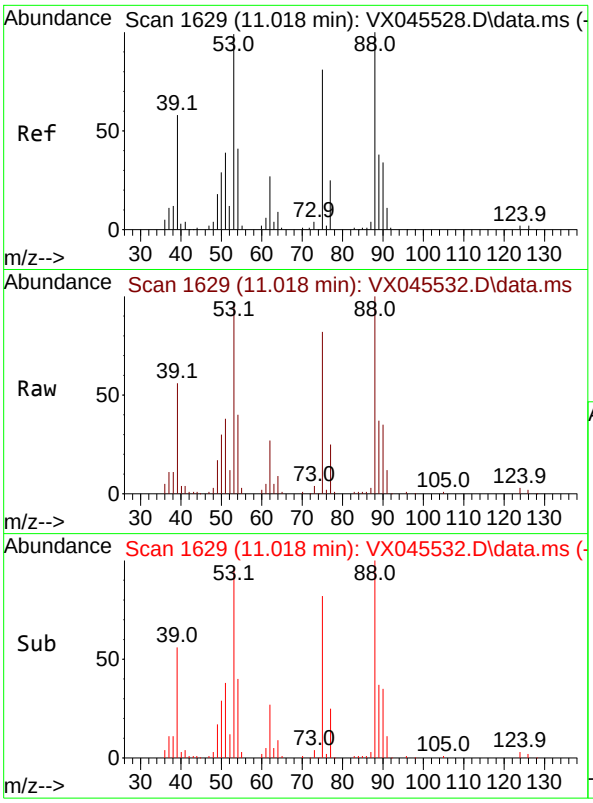


#80
1,3,5-Trimethylbenzene
Concen: 53.534 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 239822

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0



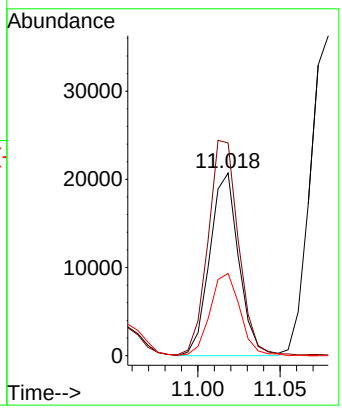


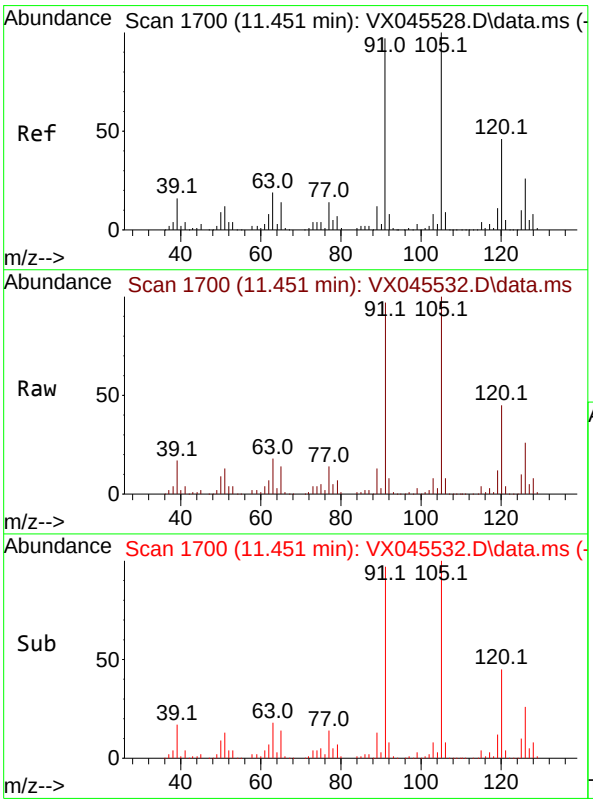
#81
trans-1,4-Dichloro-2-butene
Concen: 52.482 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 75 Resp: 25511

Ion	Ratio	Lower	Upper
75	100		
53	124.4	101.8	152.6
89	46.4	37.2	55.8

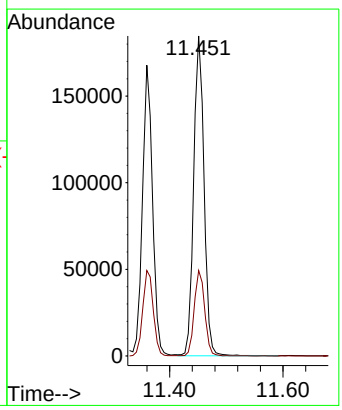


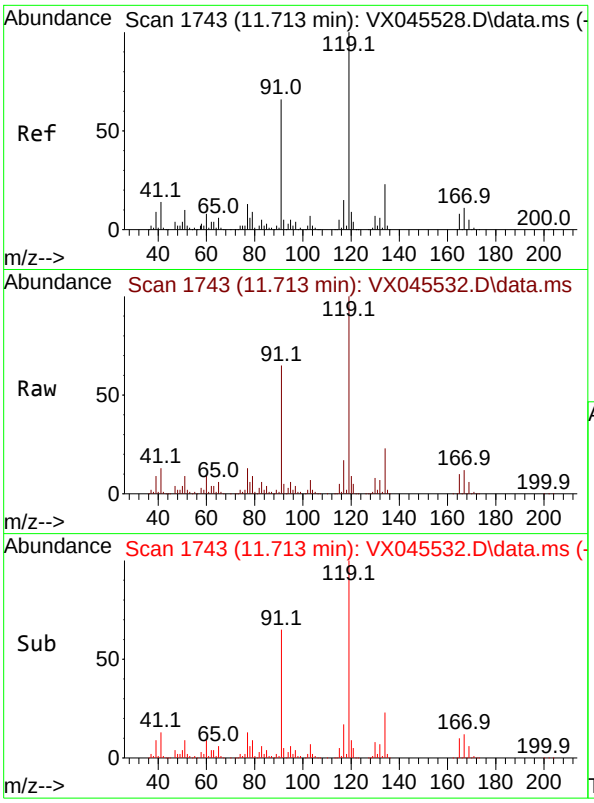


#82
4-Chlorotoluene
Concen: 52.422 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 233159

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9



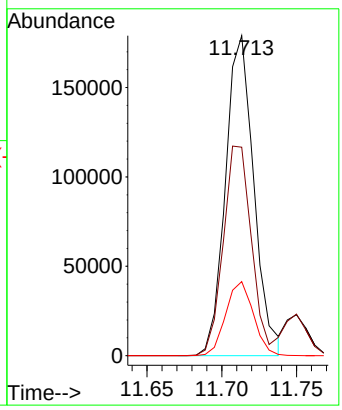


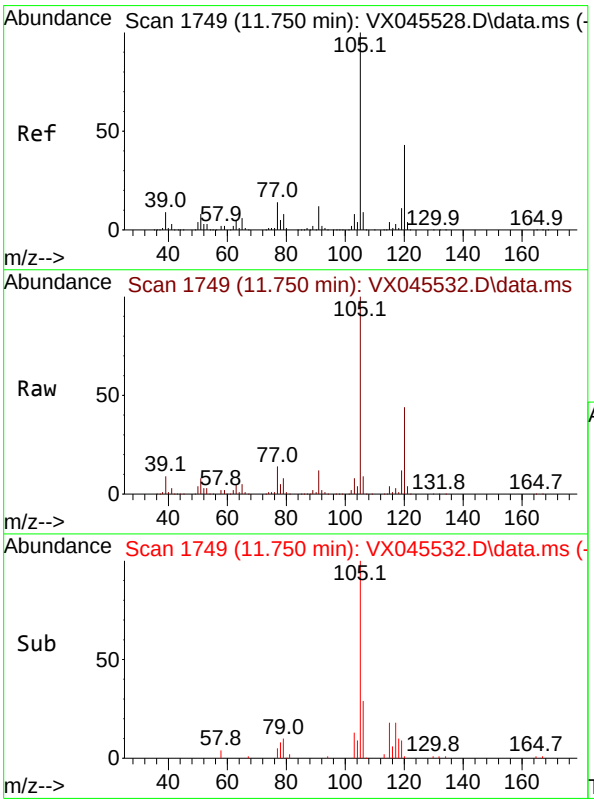
#83
tert-Butylbenzene
Concen: 53.274 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:119 Resp: 236276

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	22.6	11.5	34.5

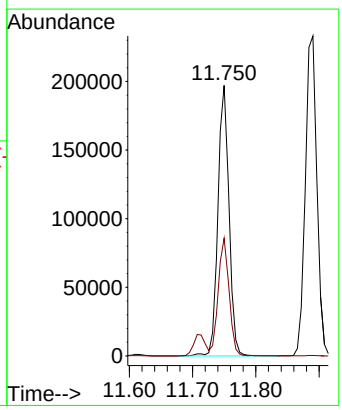


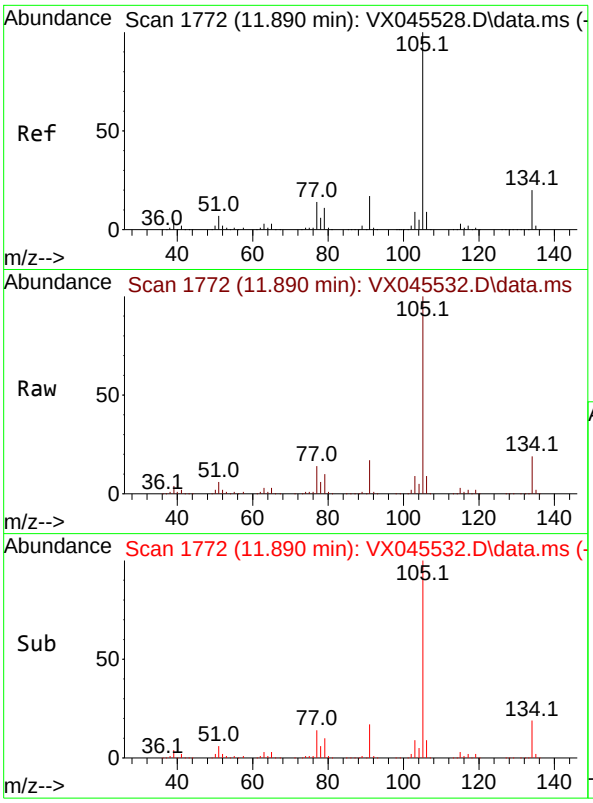


#84
1,2,4-Trimethylbenzene
Concen: 52.990 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 238257

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3



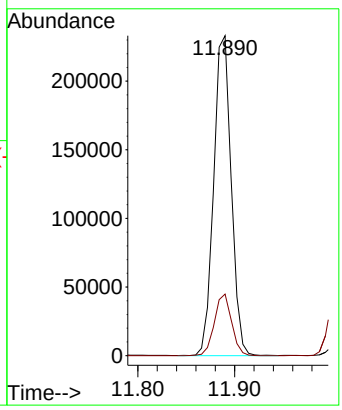


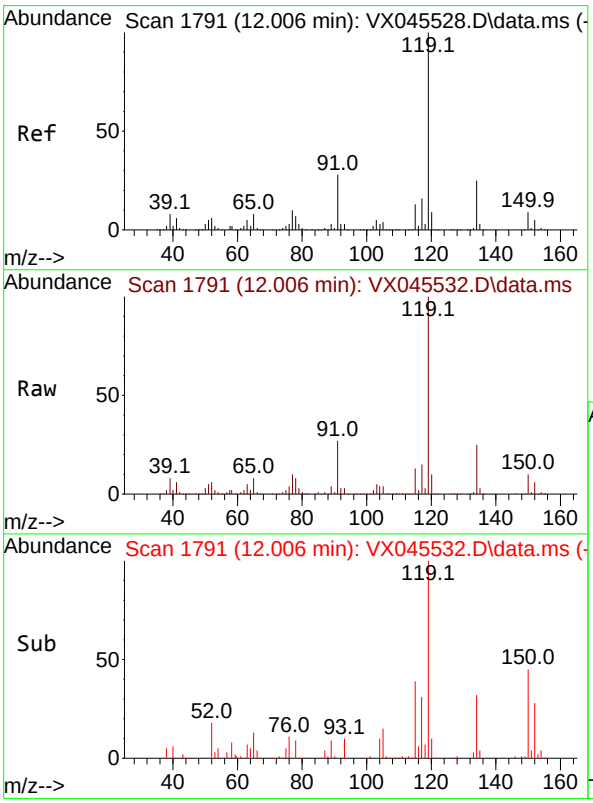
#85
sec-Butylbenzene
Concen: 53.903 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:105 Resp: 293633

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

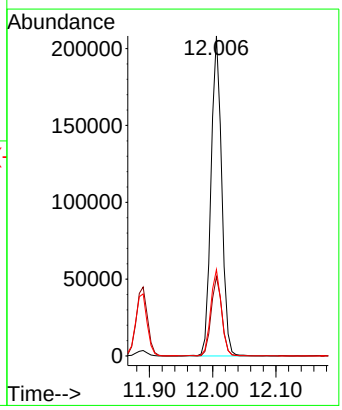


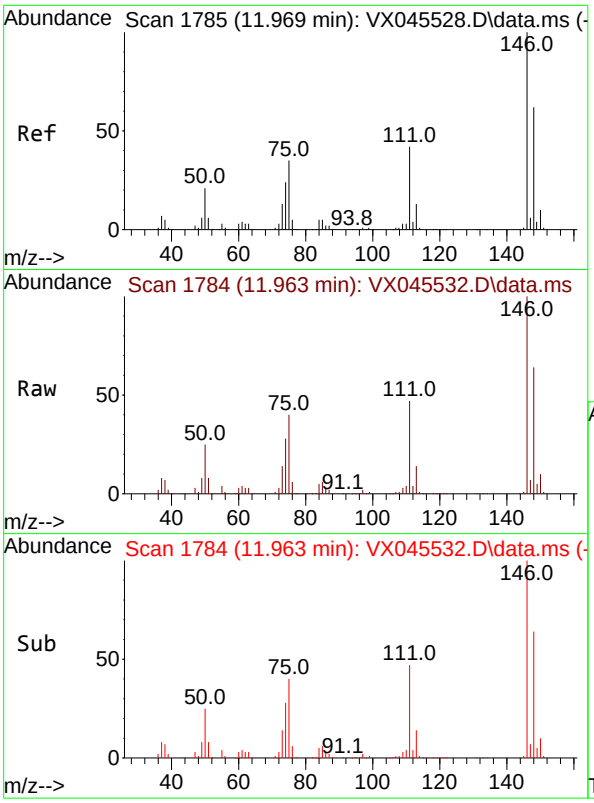


#86
p-Isopropyltoluene
Concen: 54.337 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	27.0	13.7	41.1



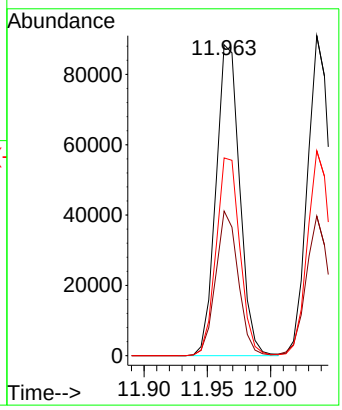


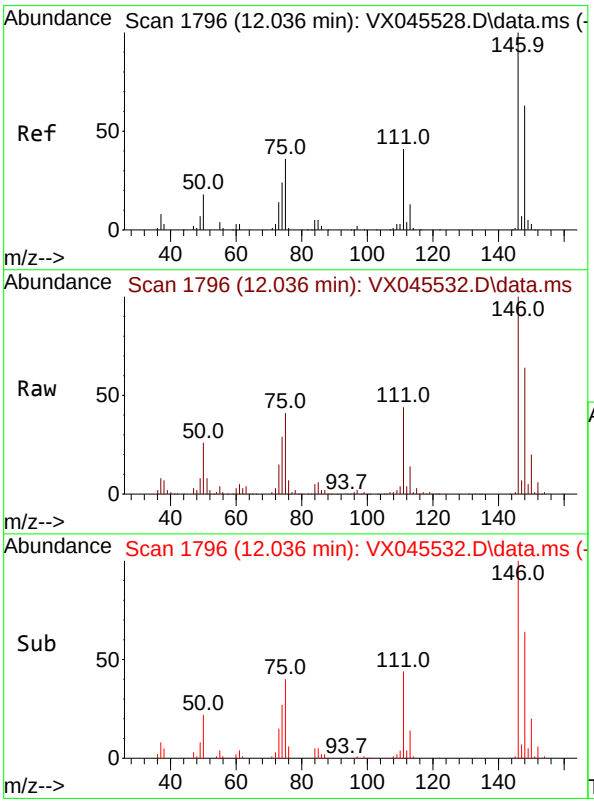
#87
1,3-Dichlorobenzene
Concen: 50.521 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:146 Resp: 115113

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	63.9	31.9	95.7

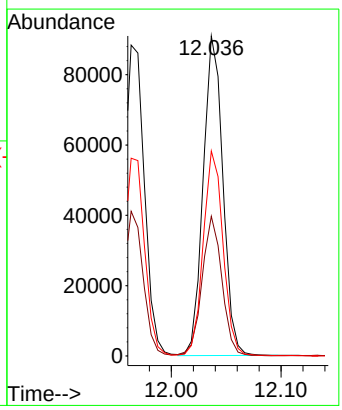


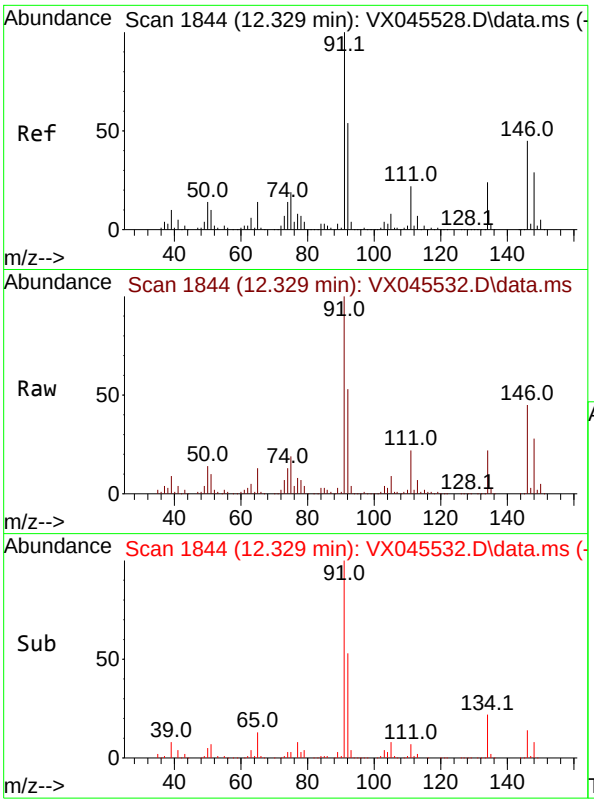


#88
1,4-Dichlorobenzene
Concen: 49.117 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 113458

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	64.5	31.5	94.5



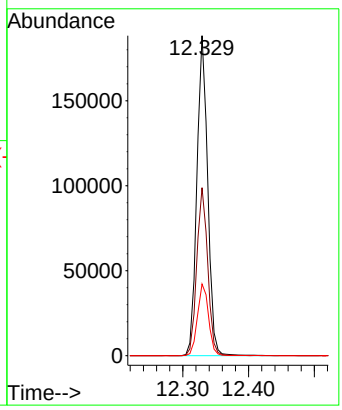


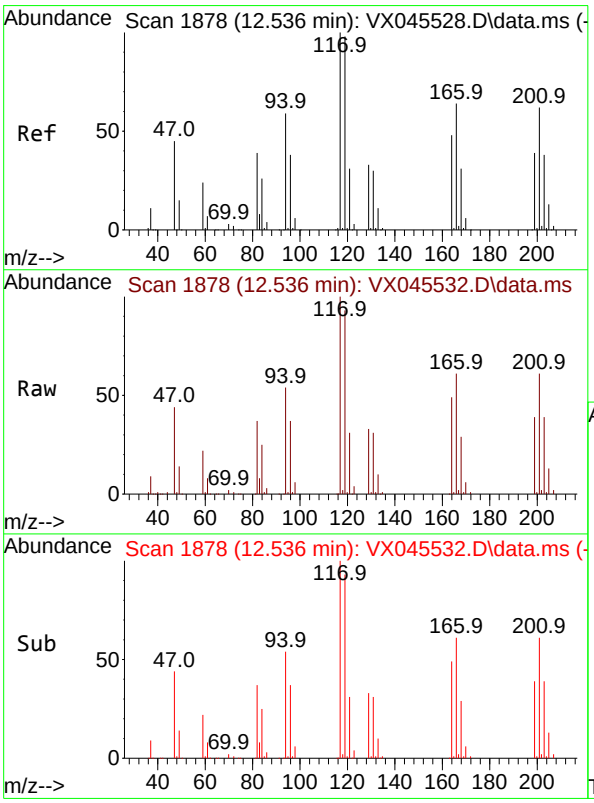
#89
n-Butylbenzene
Concen: 55.189 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion: 91 Resp: 214931

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	23.0	11.9	35.7

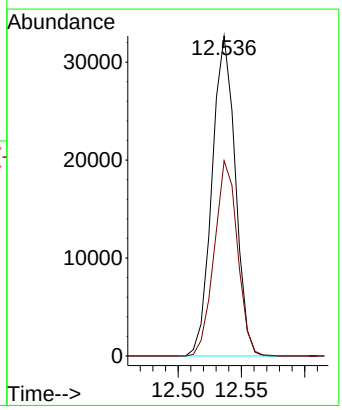


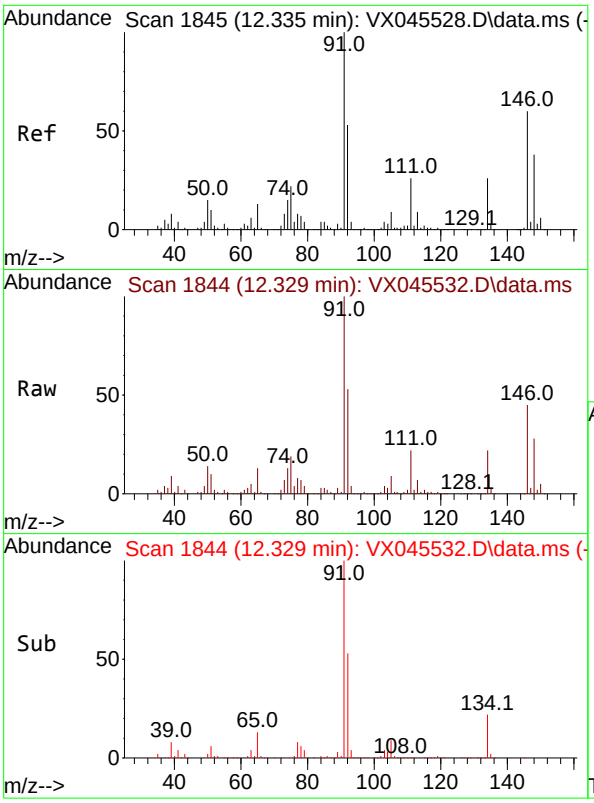


#90
Hexachloroethane
Concen: 54.066 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 41729

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.2	93.6



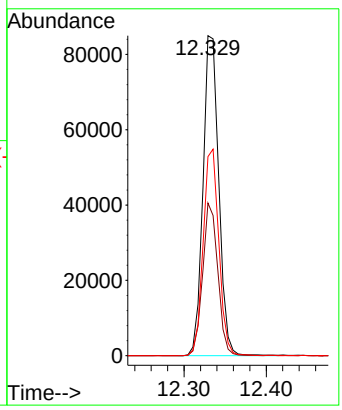


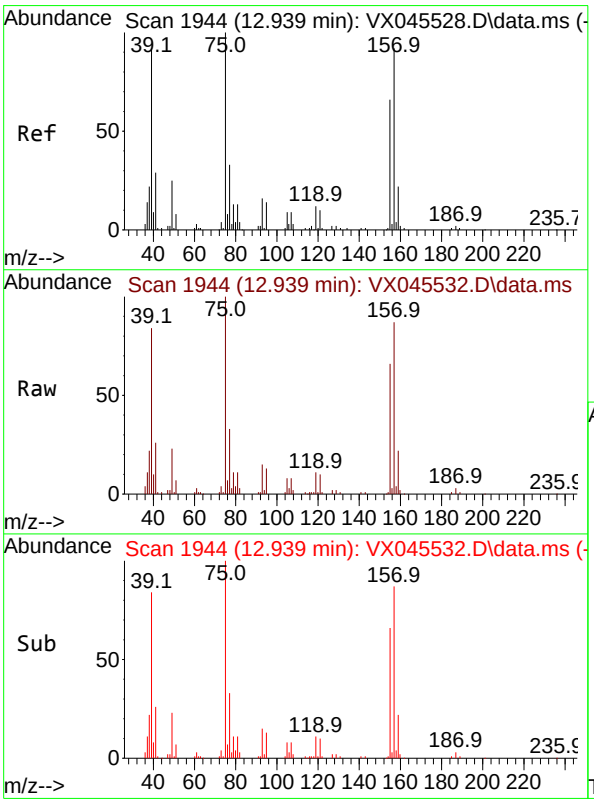
#91
1,2-Dichlorobenzene
Concen: 49.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:146 Resp: 113126

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	64.1	31.9	95.5

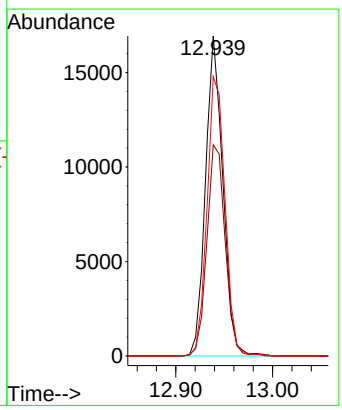


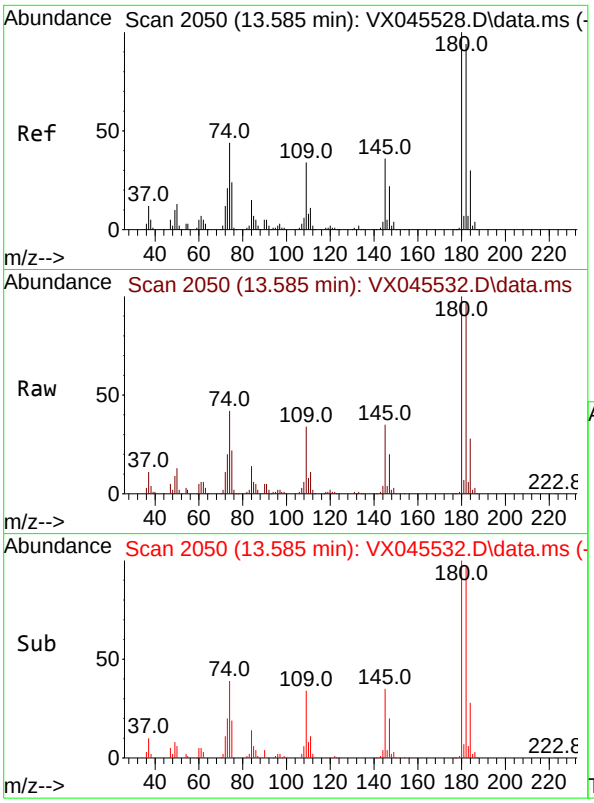


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 21184

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.7
157	90.2	44.9	134.7



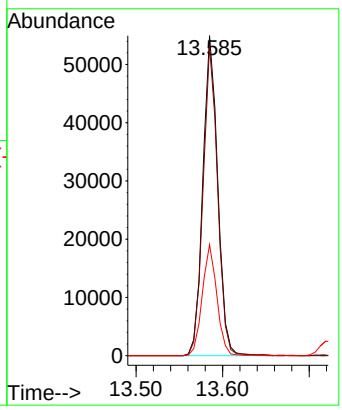


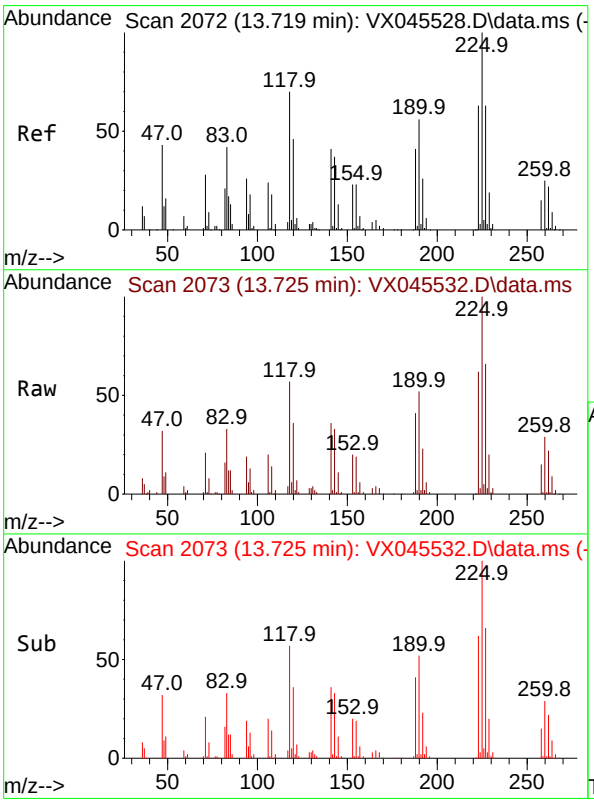
#93
1,2,4-Trichlorobenzene
Concen: 51.935 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:180 Resp: 65488

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	34.1	17.9	53.8

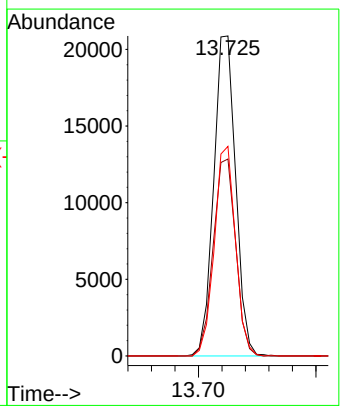


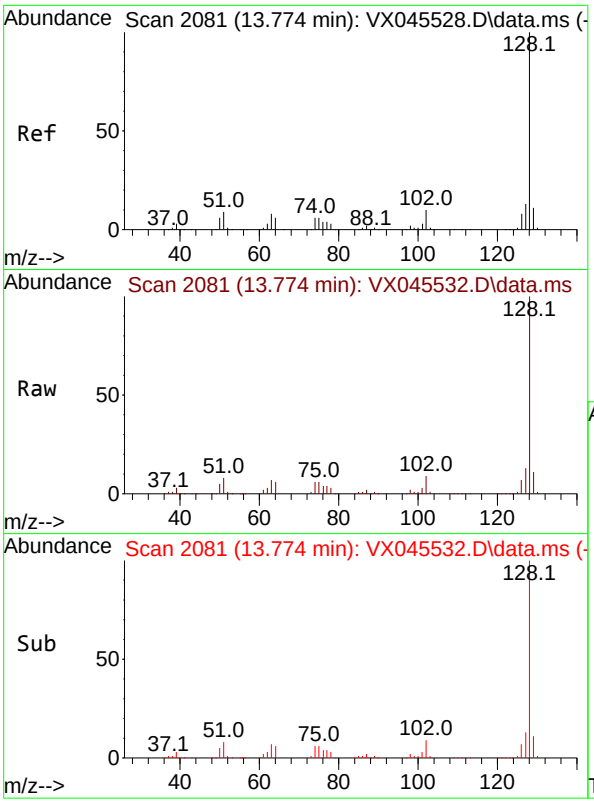


#94
Hexachlorobutadiene
Concen: 49.961 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:225 Resp: 27147

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	63.0	32.2	96.6



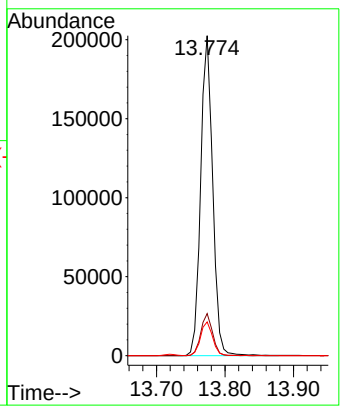


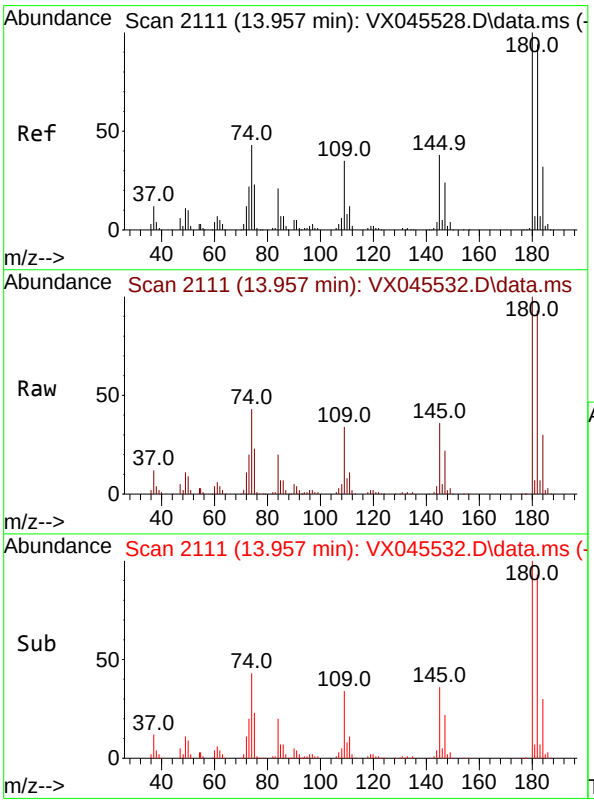
#95
Naphthalene
Concen: 52.765 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Tgt Ion:128 Resp: 247600

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

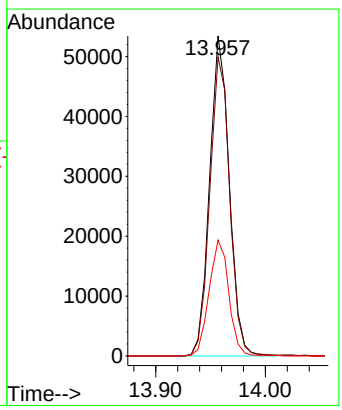




#96
1,2,3-Trichlorobenzene
Concen: 50.396 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 66542

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	36.4	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164714	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85573	48.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.200%			
35) Dibromofluoromethane	5.379	113	58254	49.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	202013	49.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	80858	54.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	72437	49.789	ug/l	99
3) Chloromethane	1.307	50	67667	45.273	ug/l	100
4) Vinyl Chloride	1.374	62	61876	45.237	ug/l	99
5) Bromomethane	1.593	94	27260	42.032	ug/l	99
6) Chloroethane	1.666	64	34556	47.617	ug/l	100
7) Trichlorofluoromethane	1.873	101	97632	47.866	ug/l	99
8) Diethyl Ether	2.130	74	31690	46.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	58859	49.246	ug/l	98
10) Methyl Iodide	2.440	142	67086	45.000	ug/l	97
11) Tert butyl alcohol	2.977	59	60339	252.369	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53422	45.743	ug/l	97
13) Acrolein	2.233	56	61319	186.241	ug/l	99
14) Allyl chloride	2.654	41	106077	47.870	ug/l	100
15) Acrylonitrile	3.062	53	178975	237.140	ug/l	98
16) Acetone	2.386	43	168655	230.867	ug/l	97
17) Carbon Disulfide	2.501	76	115535	40.054	ug/l	98
18) Methyl Acetate	2.703	43	89137	52.996	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	201092	49.222	ug/l	98
20) Methylene Chloride	2.782	84	63104	46.141	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	53927	45.197	ug/l	95
22) Diisopropyl ether	3.757	45	208728	47.818	ug/l	93
23) Vinyl Acetate	3.715	43	927978	246.059	ug/l	100
24) 1,1-Dichloroethane	3.599	63	114911	46.549	ug/l	99
25) 2-Butanone	4.556	43	260543	243.647	ug/l	99
26) 2,2-Dichloropropane	4.465	77	88385	55.416	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	66350	45.644	ug/l	96
28) Bromochloromethane	4.891	49	56463	47.331	ug/l	98
29) Tetrahydrofuran	5.001	42	163985	236.531	ug/l	99
30) Chloroform	5.086	83	120655	47.500	ug/l	99
31) Cyclohexane	5.464	56	100209	45.918	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103773	48.281	ug/l	99
36) 1,1-Dichloropropene	5.684	75	76541	48.508	ug/l	99
37) Ethyl Acetate	4.708	43	95833	48.194	ug/l	99
38) Carbon Tetrachloride	5.665	117	87144	51.101	ug/l	98
39) Methylcyclohexane	7.373	83	98187	50.764	ug/l	96
40) Benzene	6.031	78	231234	47.983	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56924	54.255	ug/l		98
42) 1,2-Dichloroethane	6.080	62	100704	50.595	ug/l		100
43) Isopropyl Acetate	6.336	43	158328	52.534	ug/l		100
44) Trichloroethene	7.123	130	55126	48.127	ug/l		97
45) 1,2-Dichloropropane	7.421	63	59390	49.393	ug/l		97
46) Dibromomethane	7.574	93	45368	49.152	ug/l		98
47) Bromodichloromethane	7.818	83	92524	50.194	ug/l		96
48) Methyl methacrylate	7.690	41	82873	53.257	ug/l		98
49) 1,4-Dioxane	7.659	88	30420	1080.494	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	526773	263.661	ug/l		99
52) Toluene	8.714	92	141355	48.475	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84143	47.584	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	93096	53.744	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	58189	50.076	ug/l		97
56) Ethyl methacrylate	9.116	69	98718	54.894	ug/l		99
57) 1,3-Dichloropropane	9.305	76	101969	50.393	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	245823	270.217	ug/l		99
59) 2-Hexanone	9.427	43	391086	264.335	ug/l		100
60) Dibromochloromethane	9.518	129	65483	51.692	ug/l		99
61) 1,2-Dibromoethane	9.604	107	60328	51.286	ug/l		100
64) Tetrachloroethene	9.269	164	47682	45.712	ug/l		98
65) Chlorobenzene	10.073	112	154107	48.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54432	49.662	ug/l		99
67) Ethyl Benzene	10.189	91	283288	50.102	ug/l		100
68) m/p-Xylenes	10.299	106	209512	101.879	ug/l		99
69) o-Xylene	10.640	106	103263	50.973	ug/l		100
70) Styrene	10.652	104	175059	52.356	ug/l		99
71) Bromoform	10.799	173	42549	51.992	ug/l	#	99
73) Isopropylbenzene	10.957	105	279055	48.759	ug/l		99
74) N-amyl acetate	10.841	43	140866	51.455	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	92218	45.869	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	102112	58.590	ug/l		88
77) Bromobenzene	11.195	156	62929	47.589	ug/l		99
78) n-propylbenzene	11.299	91	329781	50.027	ug/l		100
79) 2-Chlorotoluene	11.360	91	204153	48.443	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	237040	50.087	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25061	48.803	ug/l		97
82) 4-Chlorotoluene	11.451	91	233003	49.589	ug/l		100
83) tert-Butylbenzene	11.713	119	234833	50.120	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	239508	50.423	ug/l		100
85) sec-Butylbenzene	11.890	105	294171	51.118	ug/l		100
86) p-Isopropyltoluene	12.006	119	243819	51.391	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	116417	48.364	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	116806	47.866	ug/l		99
89) n-Butylbenzene	12.329	91	221431	53.822	ug/l		100
90) Hexachloroethane	12.536	117	41335	50.695	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115059	48.079	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21534	51.215	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	68376	51.329	ug/l		98
94) Hexachlorobutadiene	13.719	225	29358	51.144	ug/l		99
95) Naphthalene	13.774	128	251217	50.677	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	70089	50.247	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

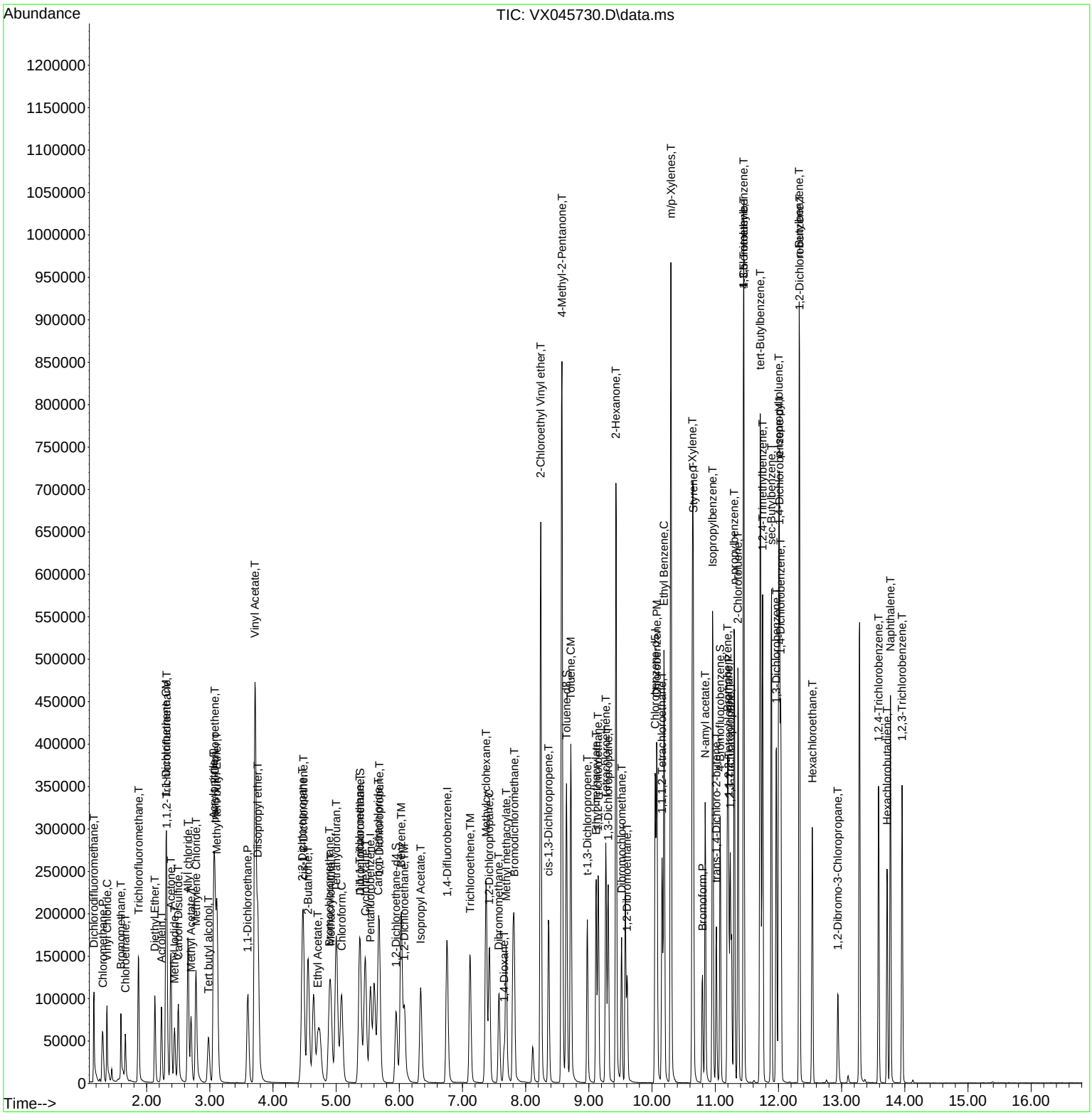
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

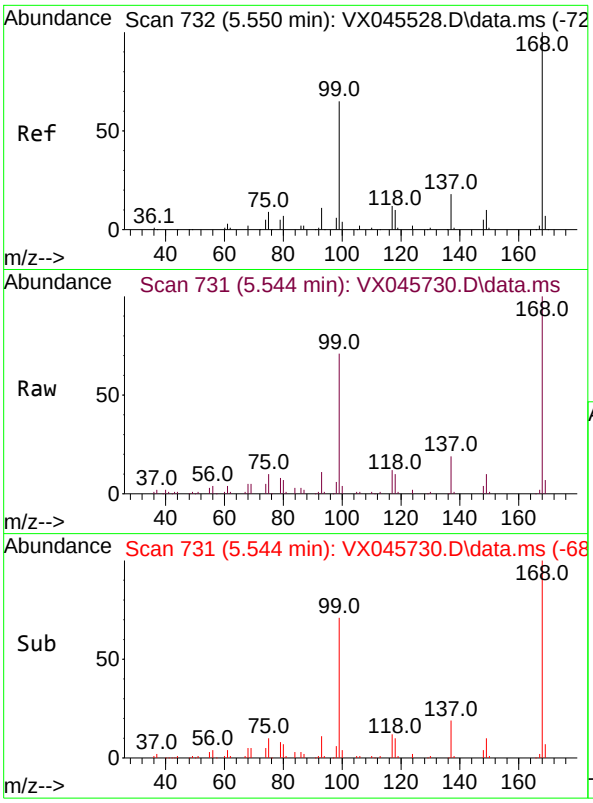
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



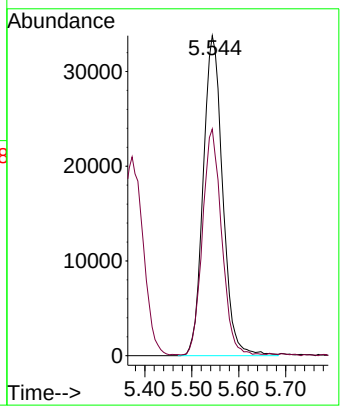


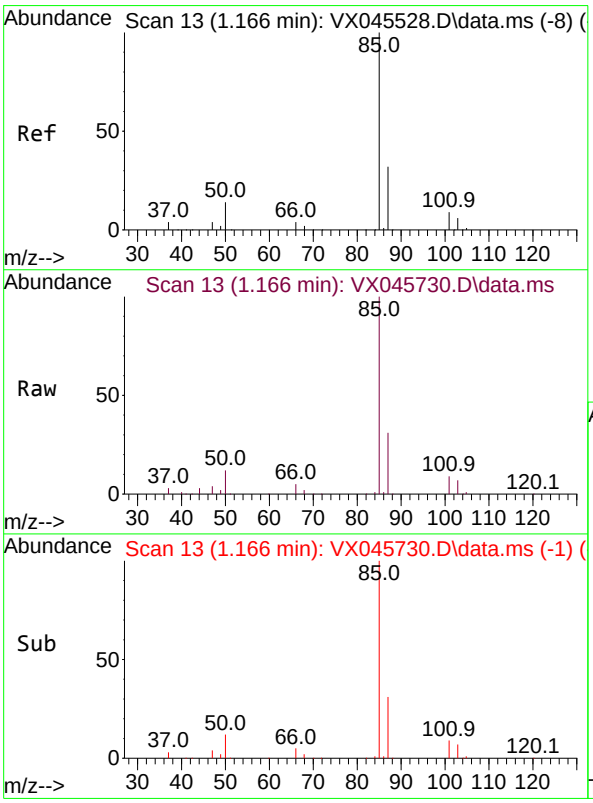
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 97283

Ion	Ratio	Lower	Upper
168	100		
99	70.5	52.3	78.5

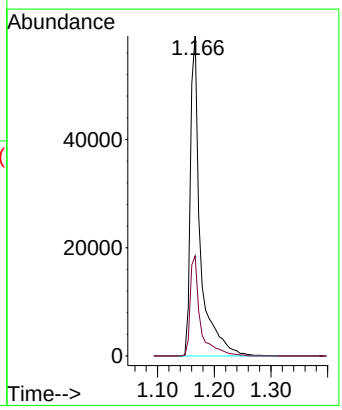


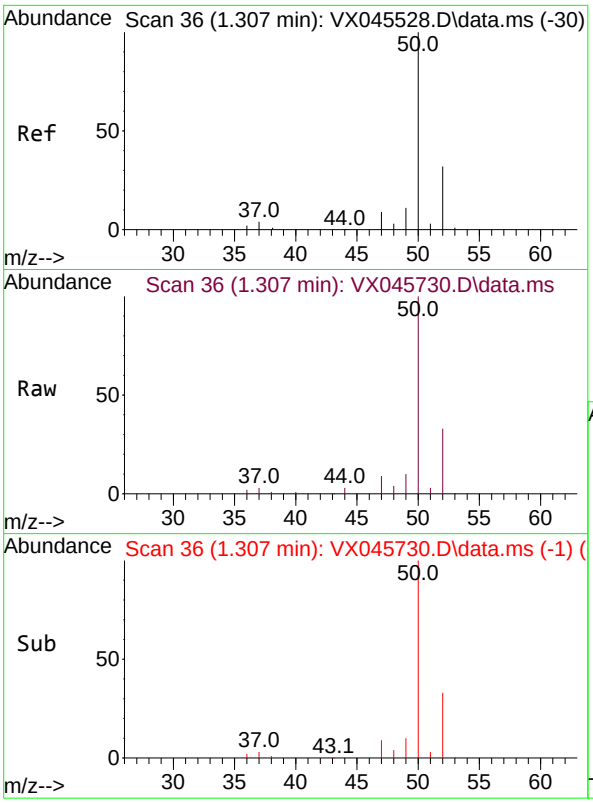


#2
Dichlorodifluoromethane
Concen: 49.789 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 85 Resp: 72437

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.1	48.2



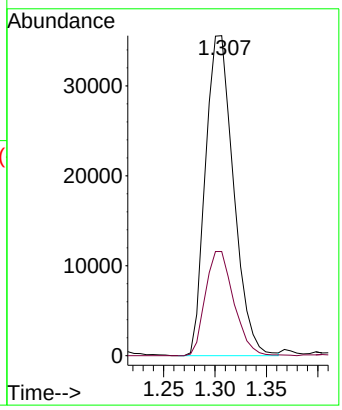


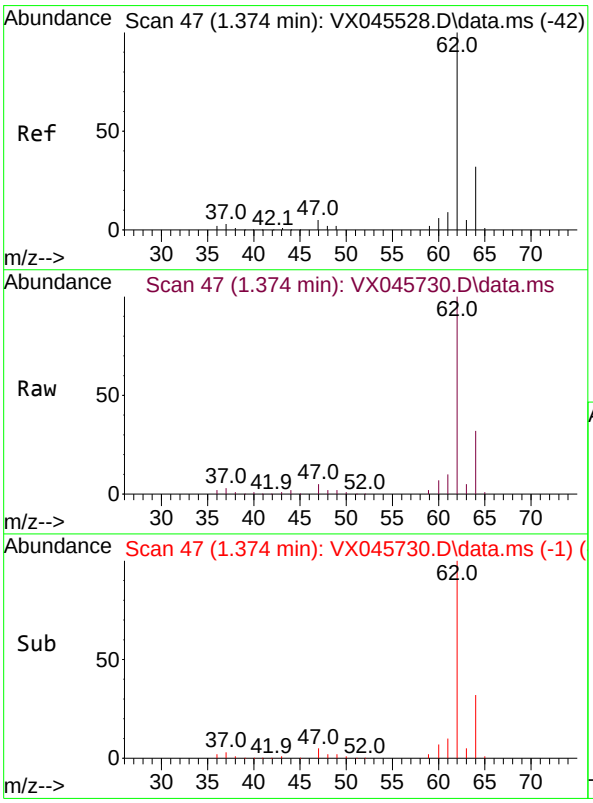
#3
Chloromethane
Concen: 45.273 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 67667

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9

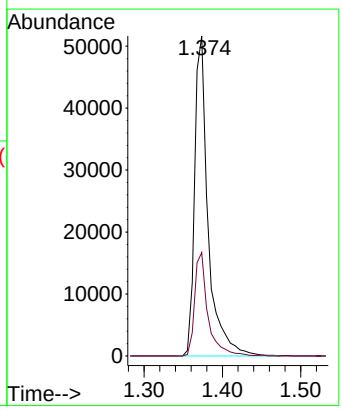


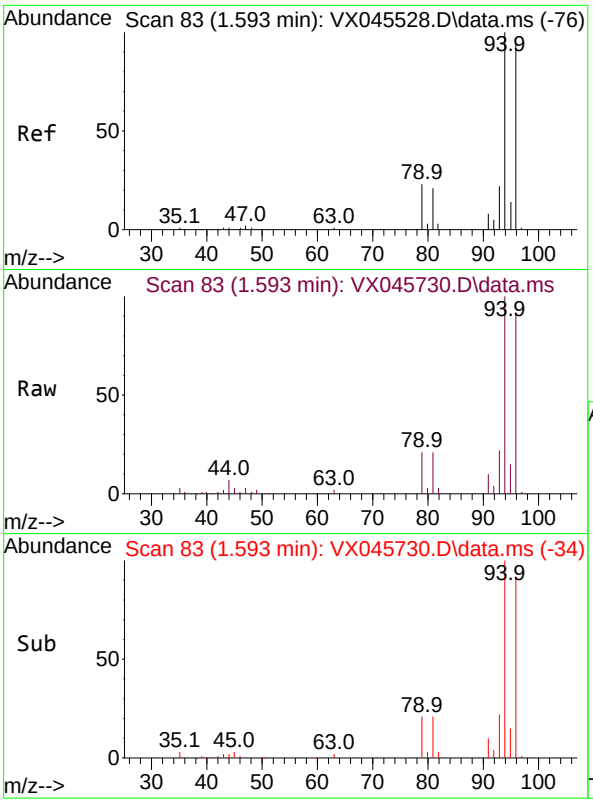


#4
Vinyl Chloride
Concen: 45.237 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 61876

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3



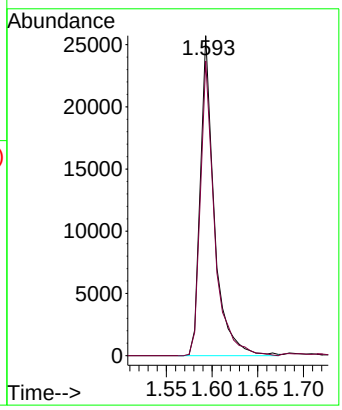


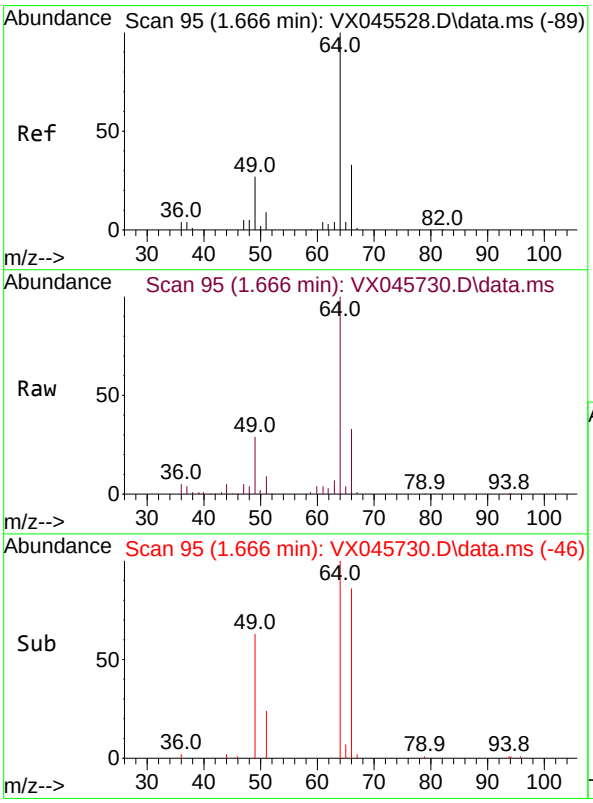
#5
Bromomethane
Concen: 42.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27260

Ion	Ratio	Lower	Upper
94	100		
96	92.1	74.8	112.2

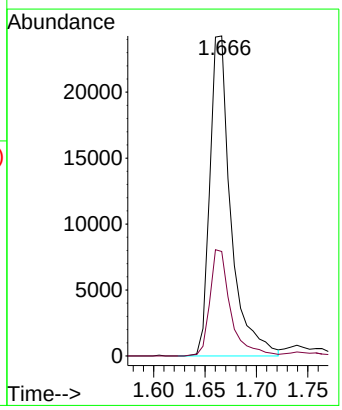


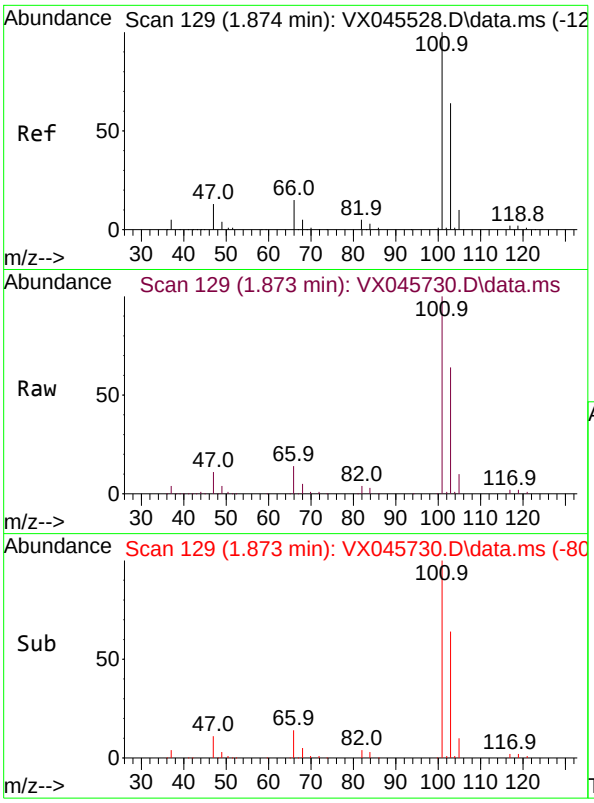


#6
Chloroethane
Concen: 47.617 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 64 Resp: 34556

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.3	39.5



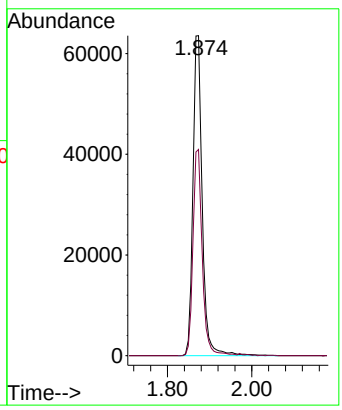


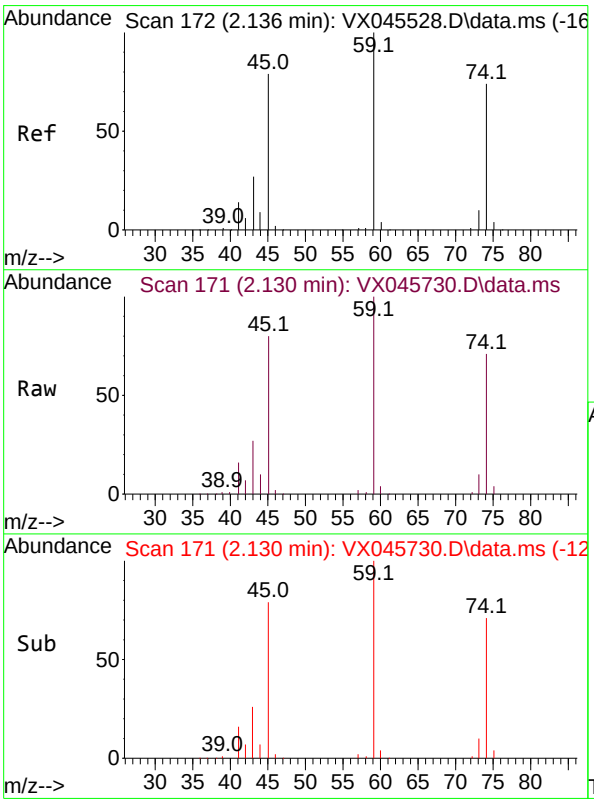
#7
Trichlorofluoromethane
Concen: 47.866 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 97632

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.1	76.7

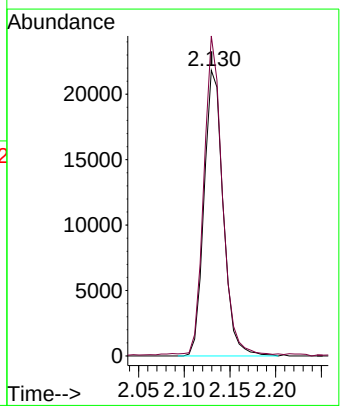


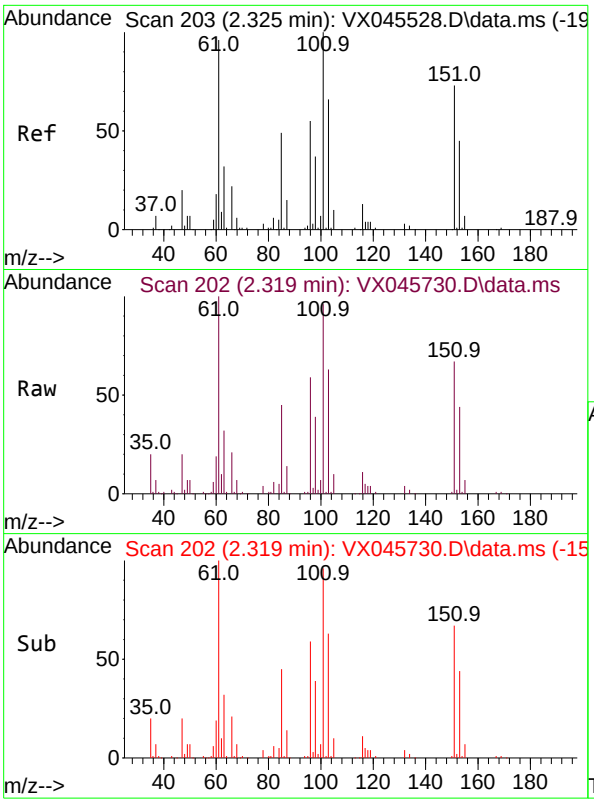


#8
Diethyl Ether
Concen: 46.277 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 74 Resp: 31690

Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.0	159.1



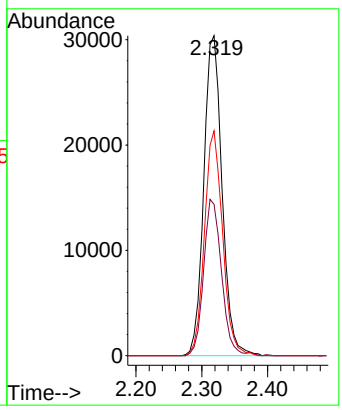


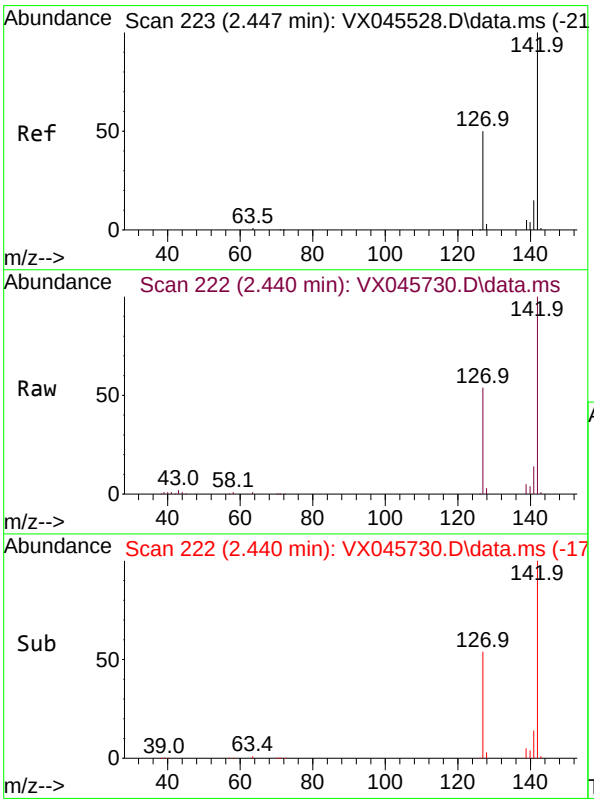
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.246 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 58859

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	69.5	57.5	86.3

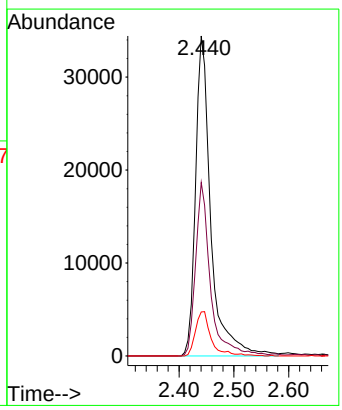


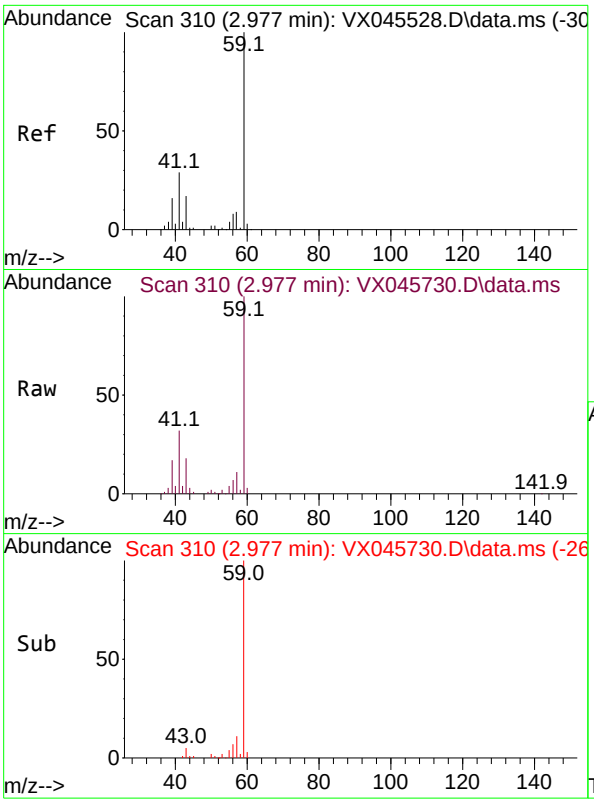


#10
Methyl Iodide
Concen: 45.000 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:142 Resp: 67086

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.2	60.4
141	14.2	11.7	17.5



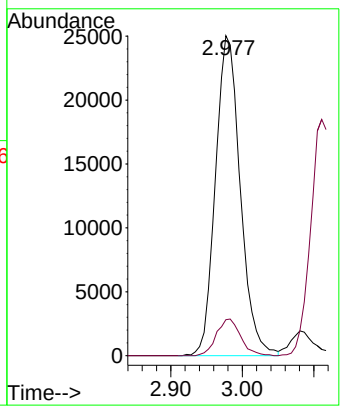


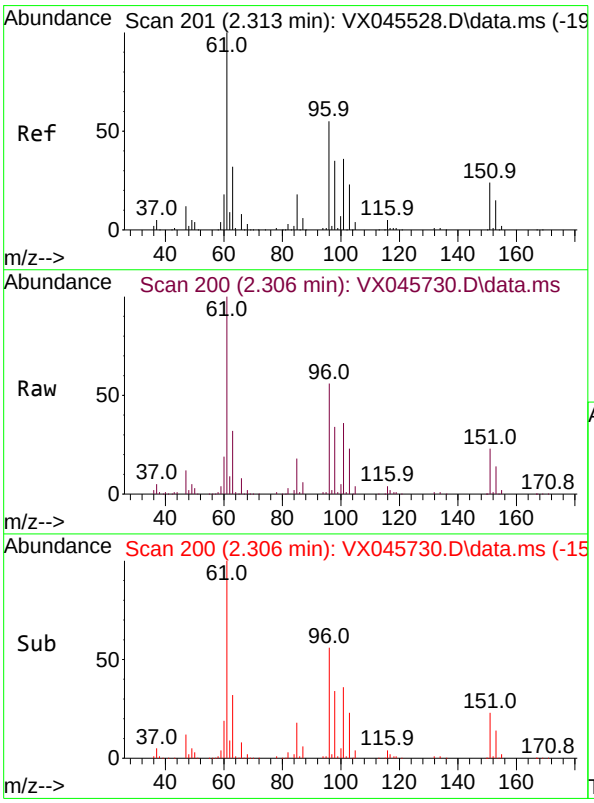
#11
Tert butyl alcohol
Concen: 252.369 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 60339

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

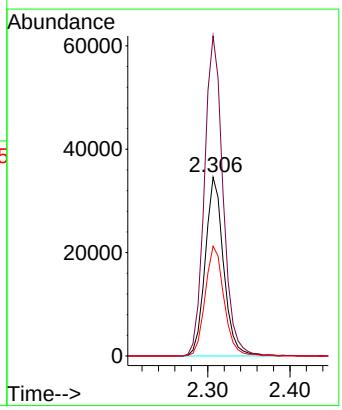


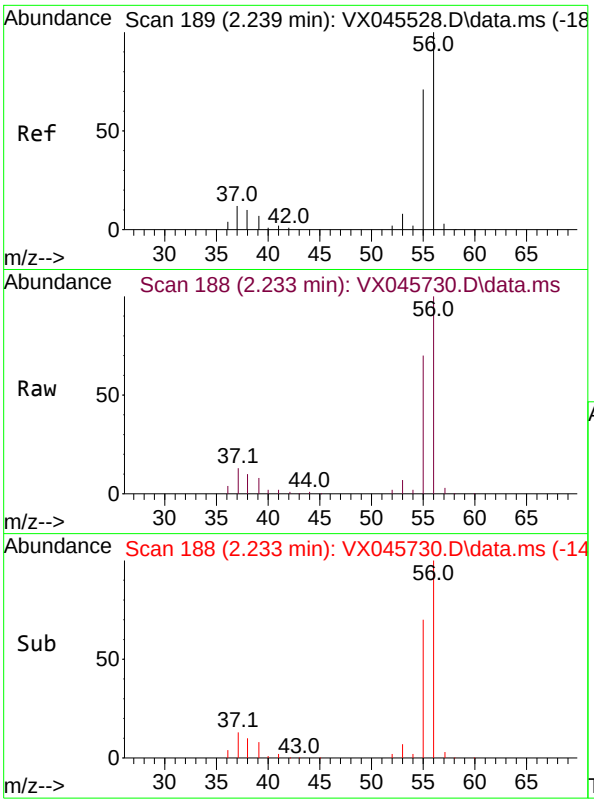


#12
1,1-Dichloroethene
Concen: 45.743 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 53422

Ion	Ratio	Lower	Upper
96	100		
61	179.0	145.7	218.5
98	61.4	51.6	77.4



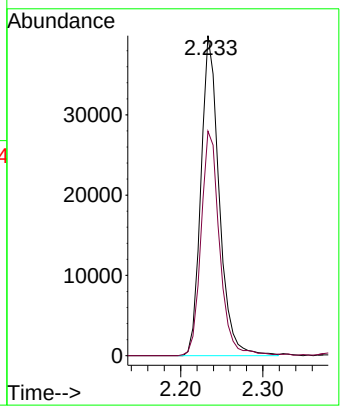


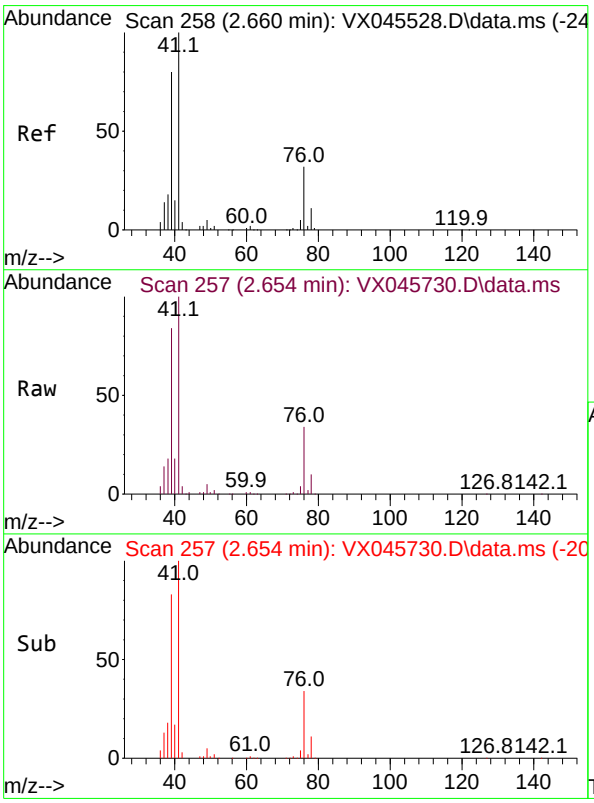
#13
Acrolein
Concen: 186.241 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 61319

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.2

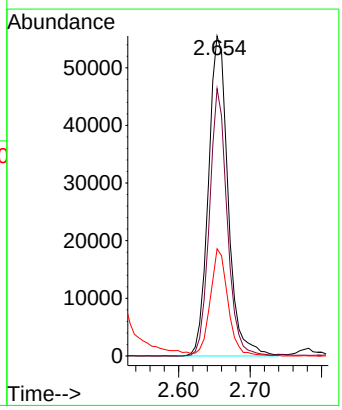


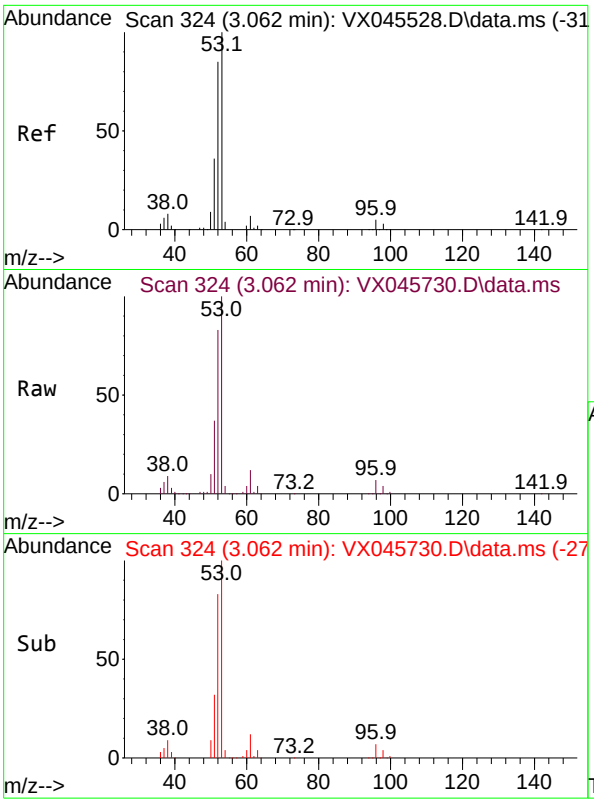


#14
Allyl chloride
Concen: 47.870 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 106077

Ion	Ratio	Lower	Upper
41	100		
39	75.3	60.2	90.2
76	30.2	24.6	36.8



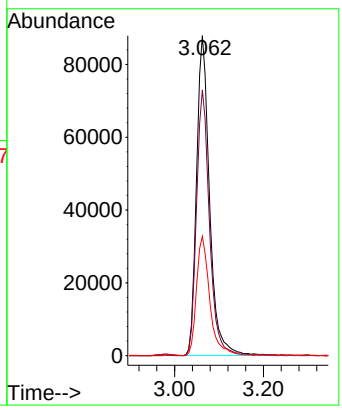


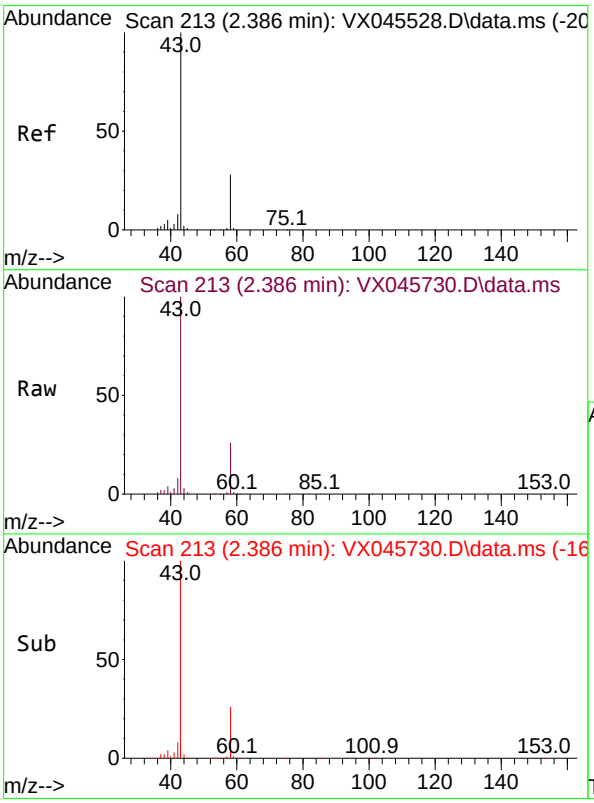
#15
Acrylonitrile
Concen: 237.140 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 178975

Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.4	101.2
51	38.2	29.9	44.9

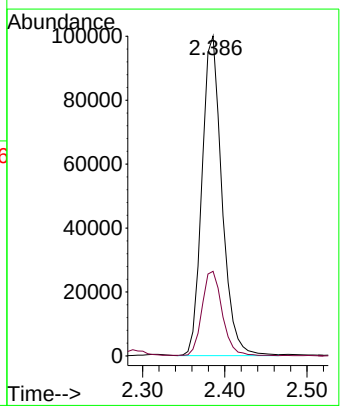


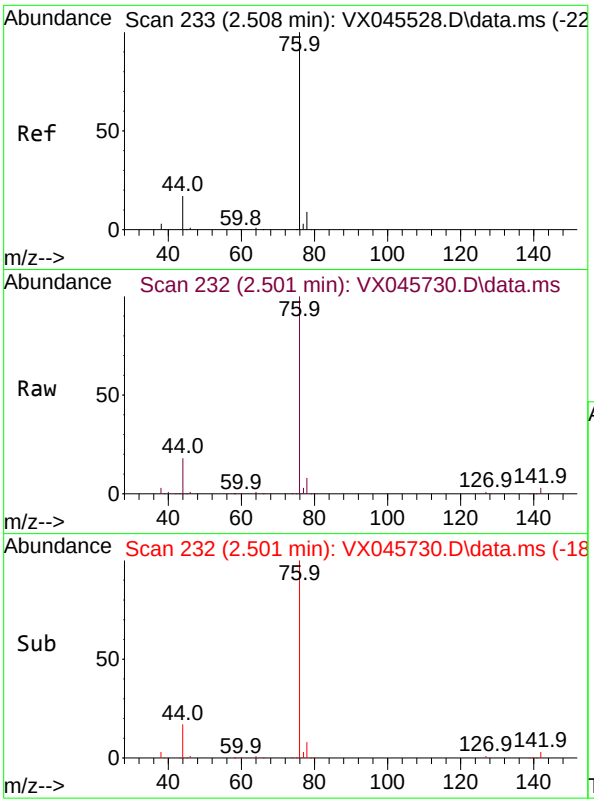


#16
Acetone
Concen: 230.867 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 168655

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5



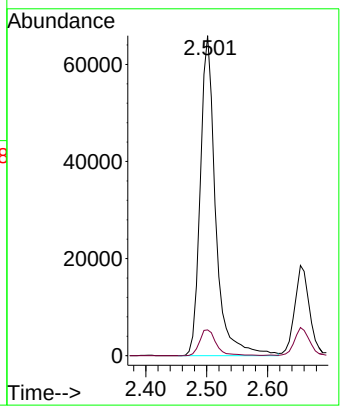


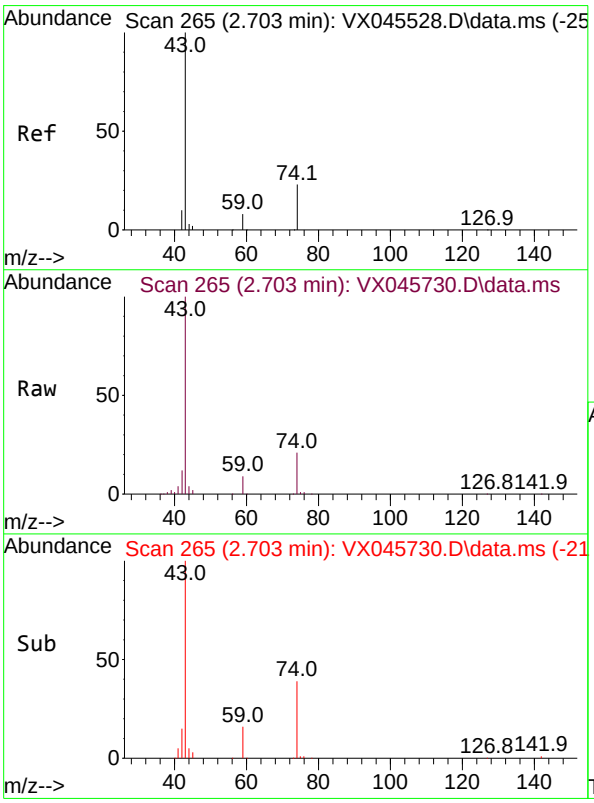
#17
Carbon Disulfide
Concen: 40.054 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 115535

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

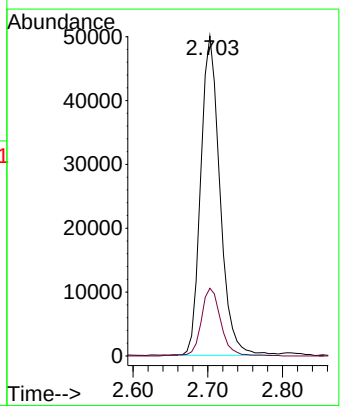


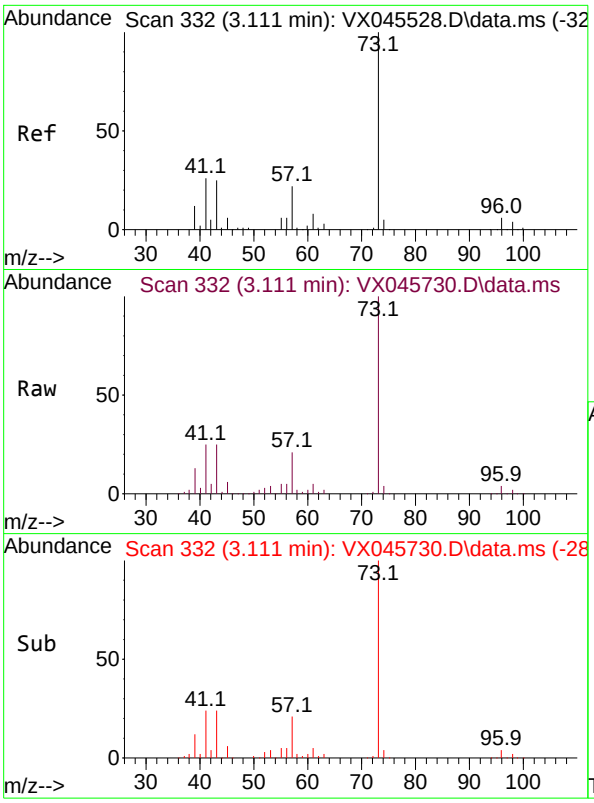


#18
Methyl Acetate
Concen: 52.996 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 89137

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3



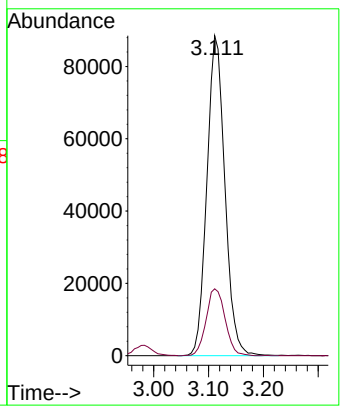


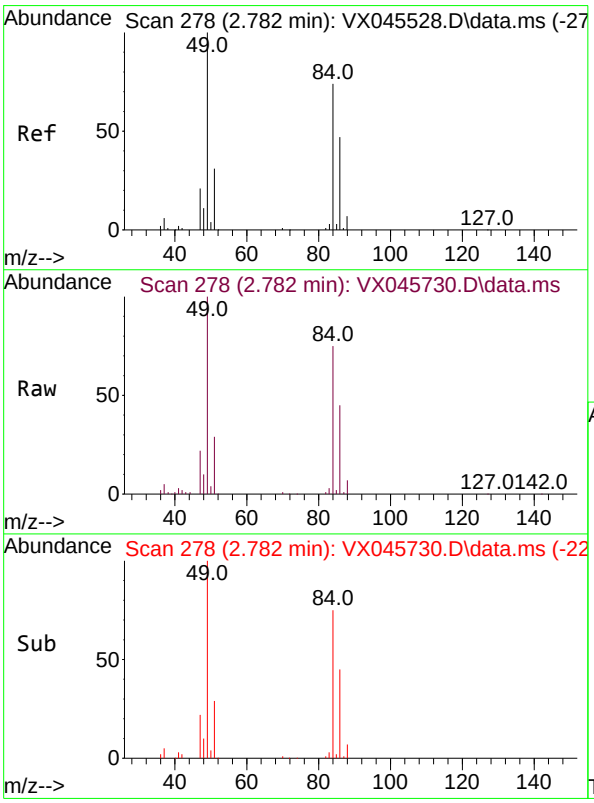
#19
Methyl tert-butyl Ether
Concen: 49.222 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 201092

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4

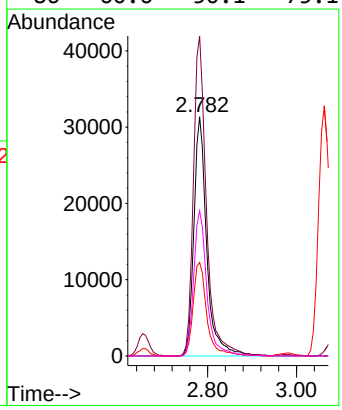


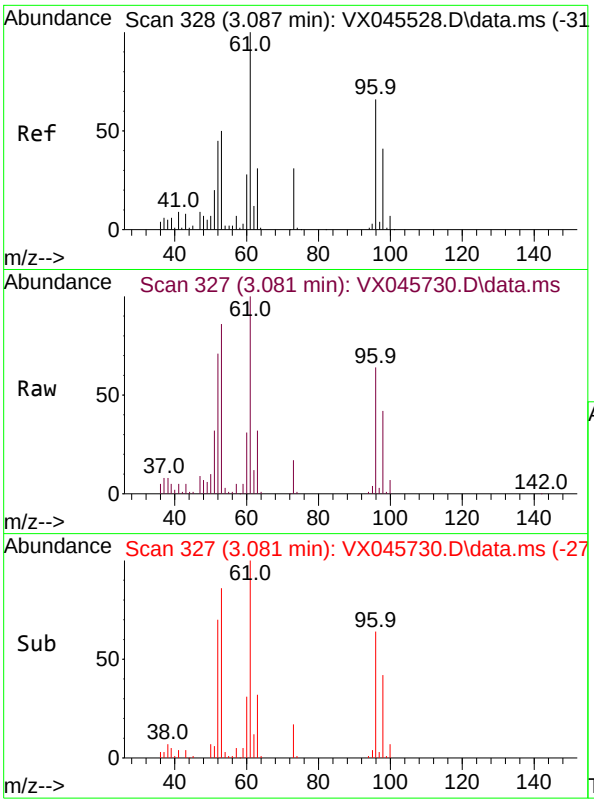


#20
Methylene Chloride
Concen: 46.141 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 84 Resp: 63104

Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.5	161.3
51	39.1	33.0	49.6
86	60.6	50.1	75.1



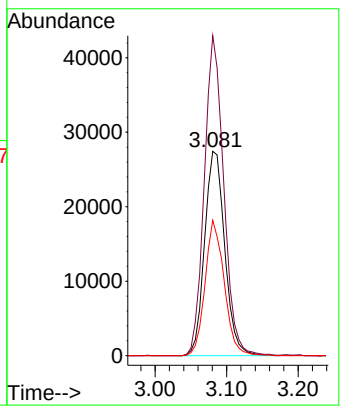


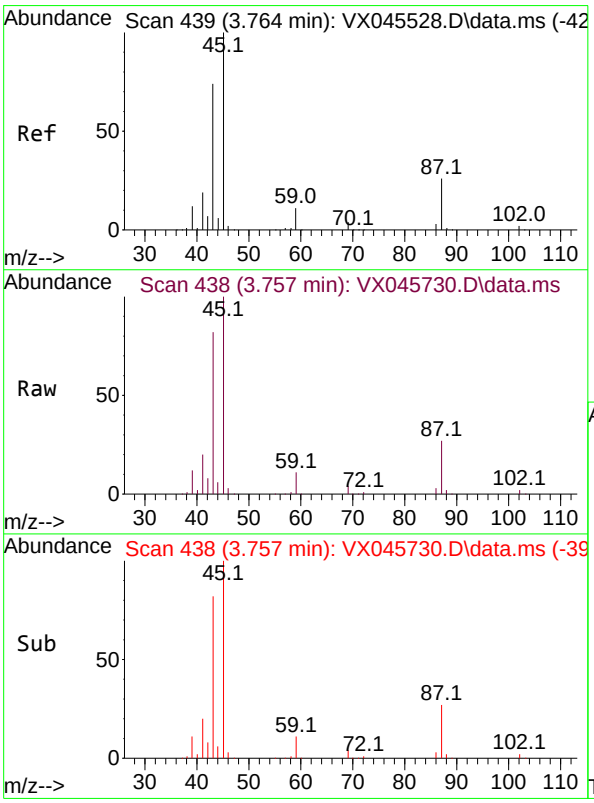
#21
trans-1,2-Dichloroethene
Concen: 45.197 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 53927

Ion	Ratio	Lower	Upper
96	100		
61	156.7	121.0	181.6
98	66.2	49.7	74.5

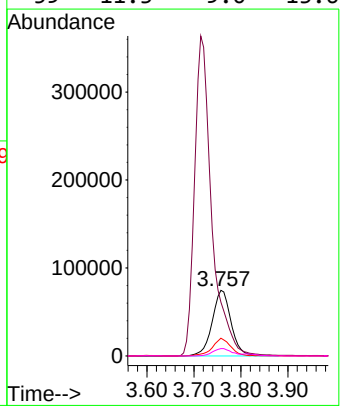


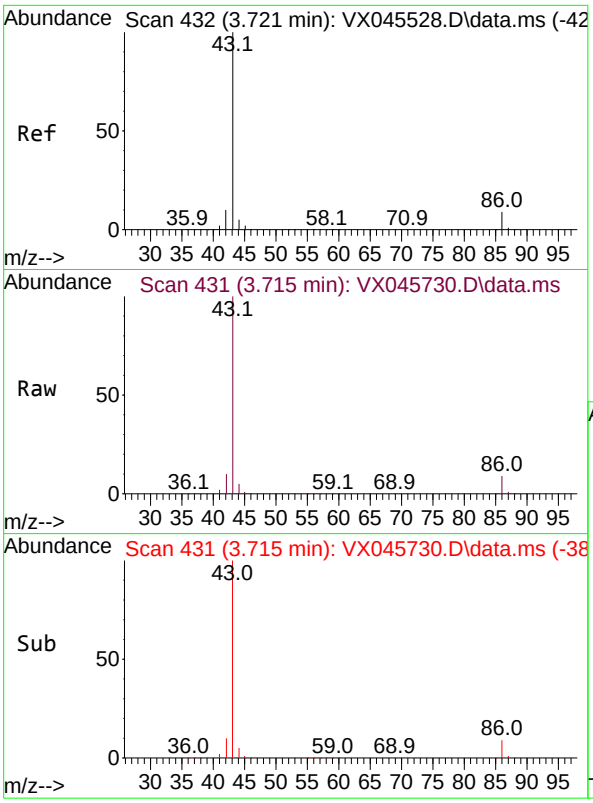


#22
Diisopropyl ether
Concen: 47.818 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 45 Resp: 208728

Ion	Ratio	Lower	Upper
45	100		
43	82.0	59.3	88.9
87	27.2	20.4	30.6
59	11.3	9.0	13.6



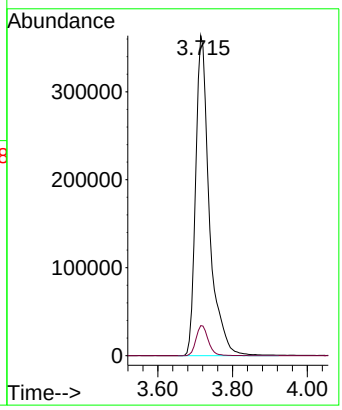


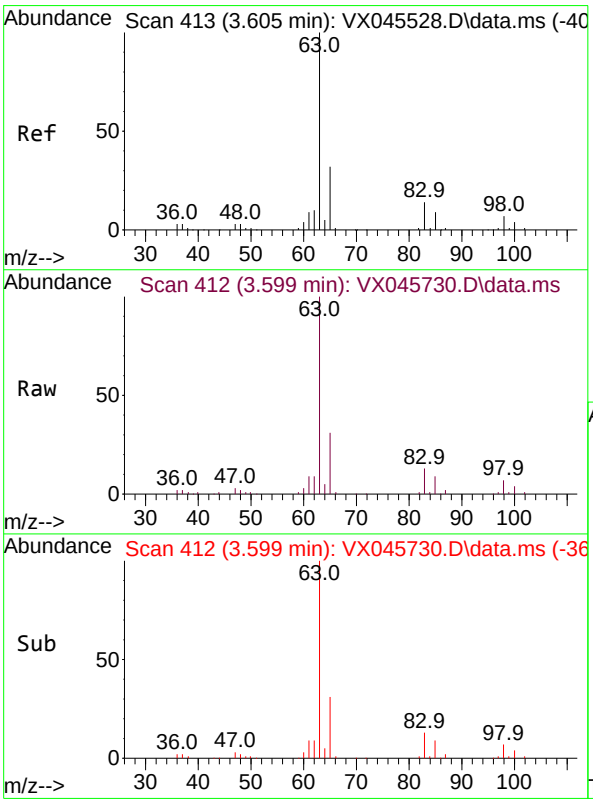
#23
Vinyl Acetate
Concen: 246.059 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 927978

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

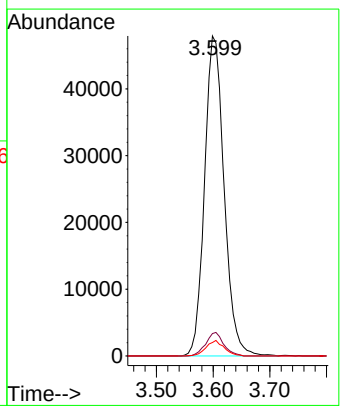


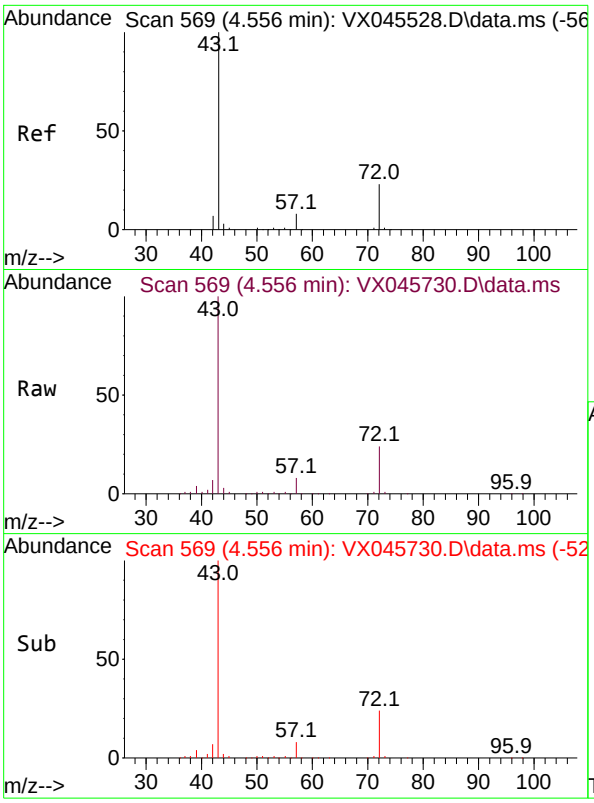


#24
1,1-Dichloroethane
Concen: 46.549 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 114911

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.2	2.2	6.6



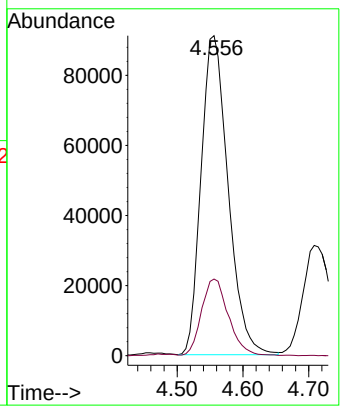


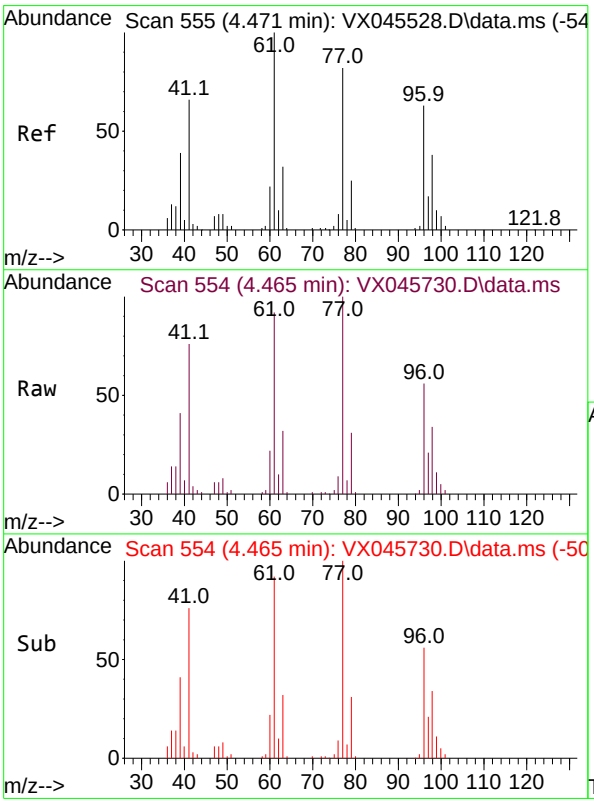
#25
2-Butanone
Concen: 243.647 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 260543

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.6	28.0

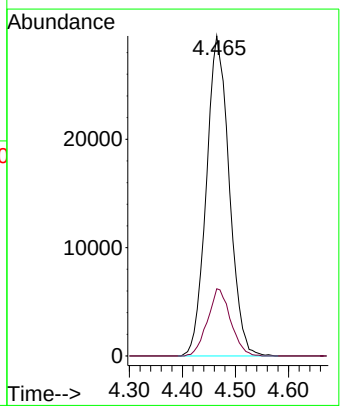


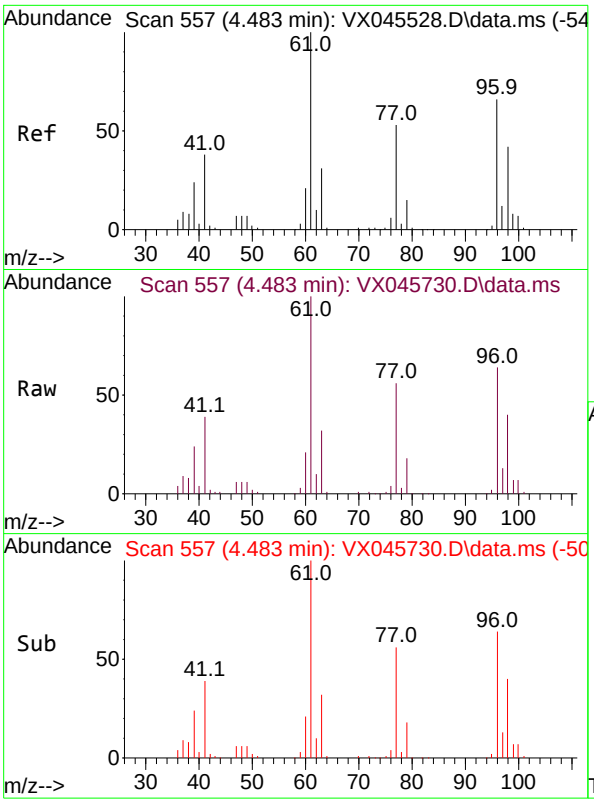


#26
2,2-Dichloropropane
Concen: 55.416 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 77 Resp: 88385

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



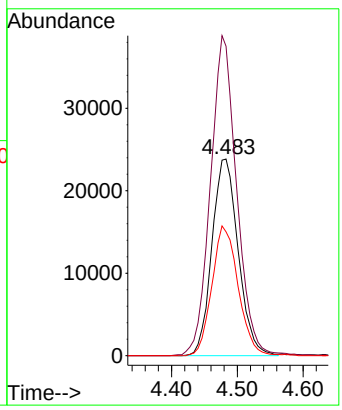


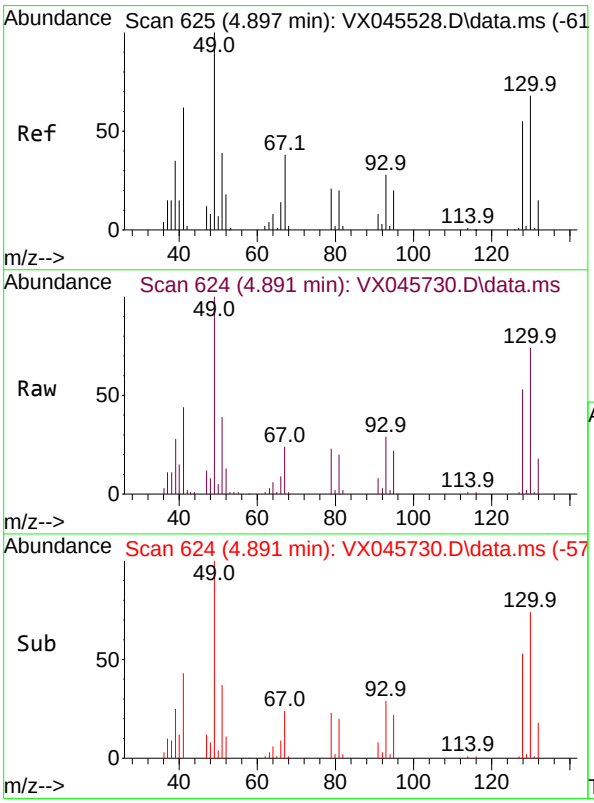
#27
cis-1,2-Dichloroethene
Concen: 45.644 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 66350

Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	313.2
98	66.0	0.0	126.4

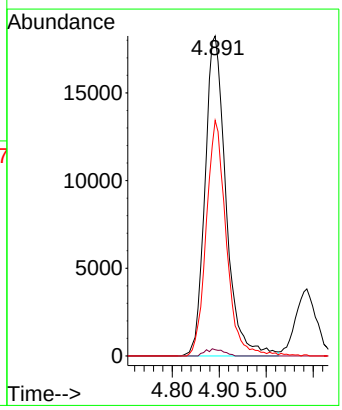


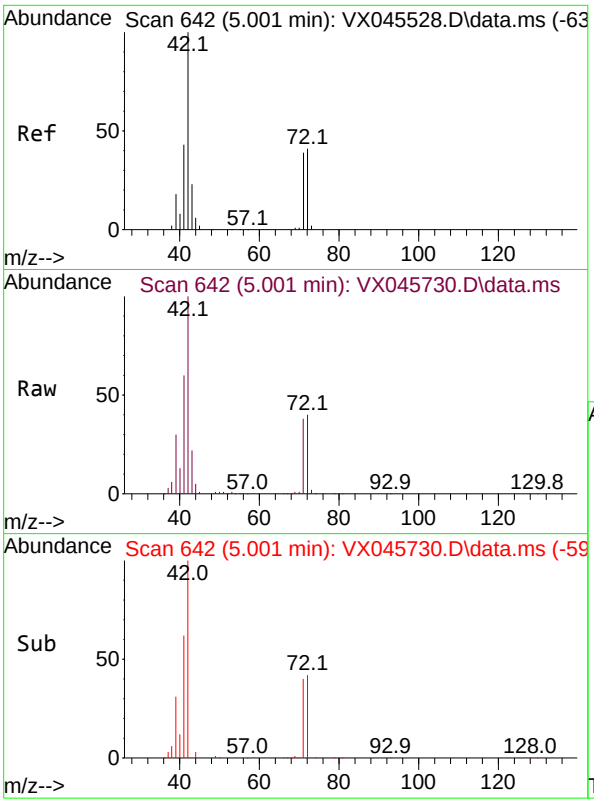


#28
Bromochloromethane
Concen: 47.331 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 49 Resp: 56463

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	69.6	54.6	81.8



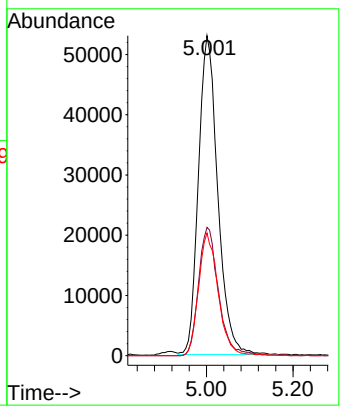


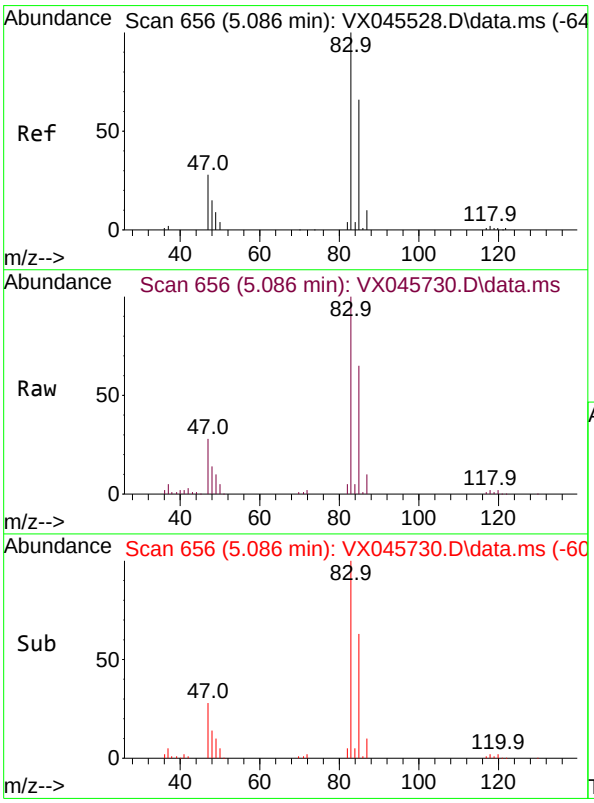
#29
Tetrahydrofuran
Concen: 236.531 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 163985

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.4	50.0
71	38.7	31.4	47.0

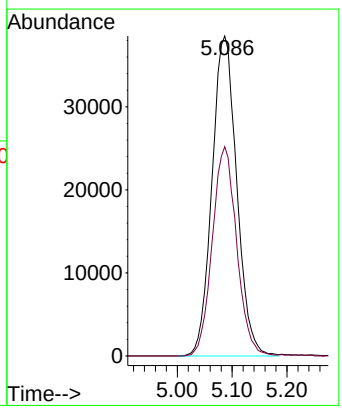


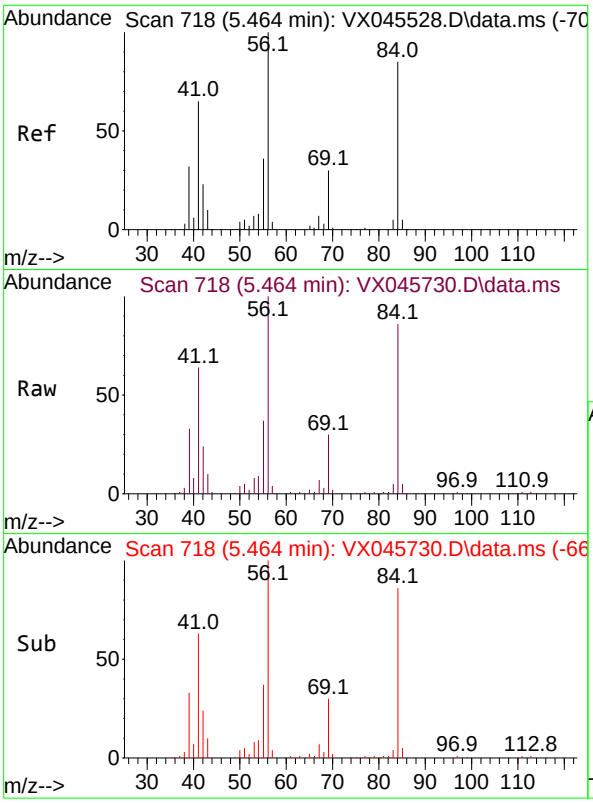


#30
Chloroform
Concen: 47.500 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 120655

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.8	79.2



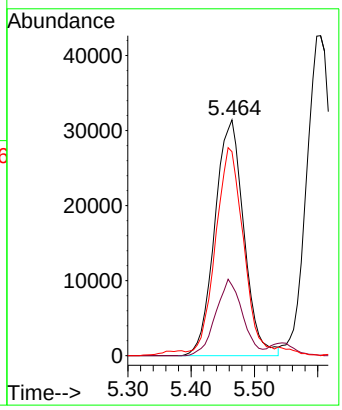


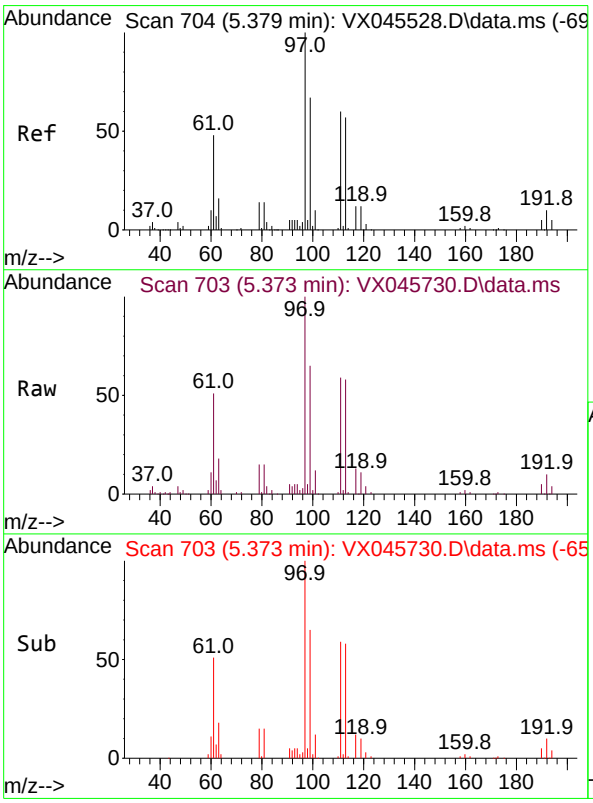
#31
Cyclohexane
Concen: 45.918 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 100209

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	84.4	67.7	101.5

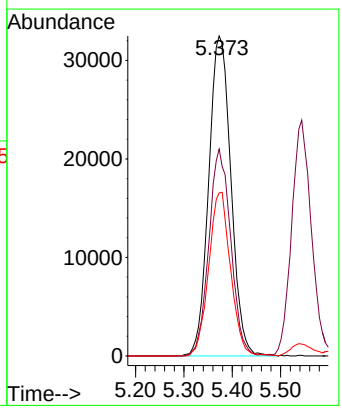


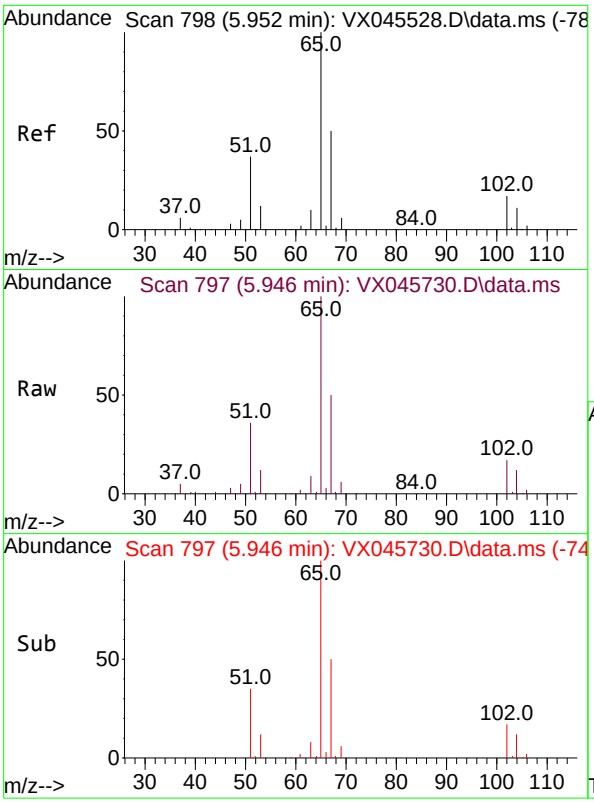


#32
1,1,1-Trichloroethane
Concen: 48.281 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 97 Resp: 103773

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	50.3	41.0	61.4



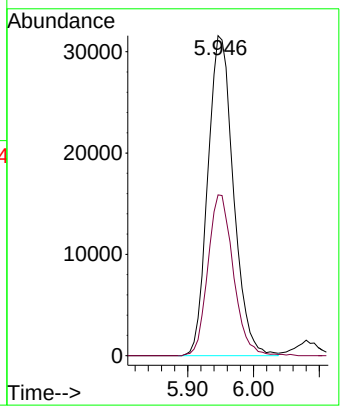


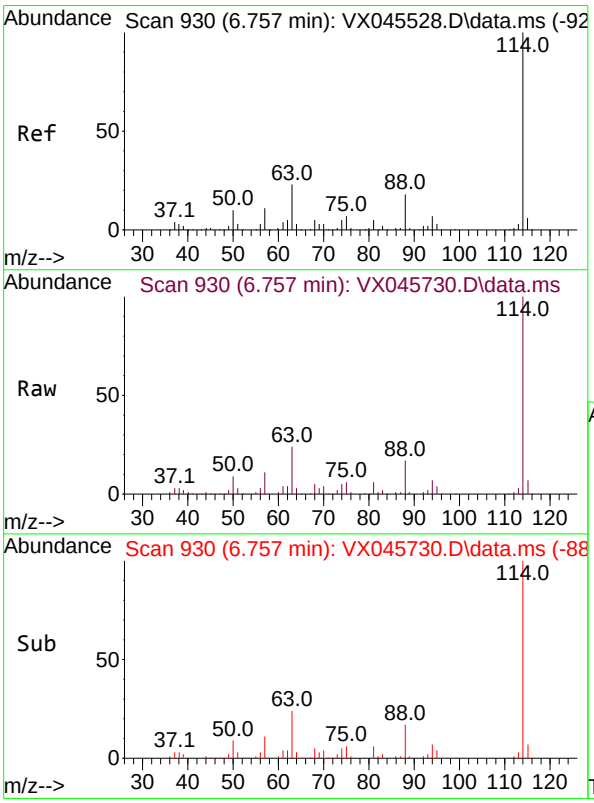
#33
1,2-Dichloroethane-d4
Concen: 48.100 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 85573

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

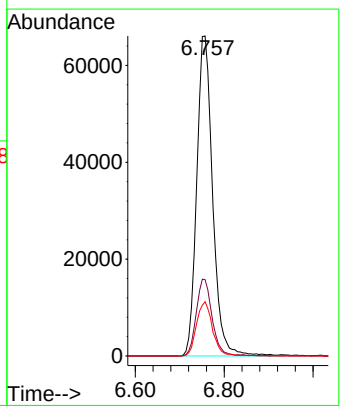


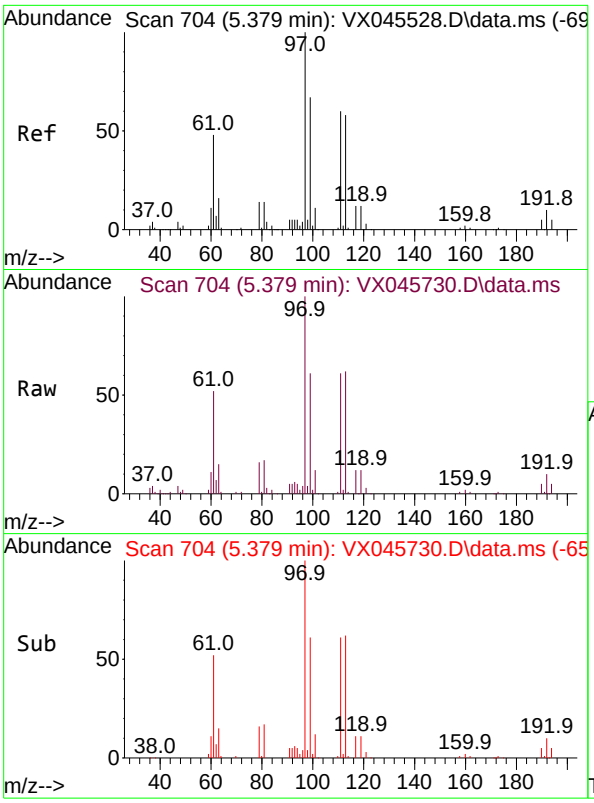


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:114 Resp: 164714

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	46.8
88	17.0	0.0	35.4



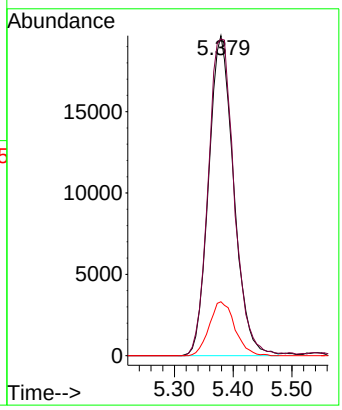


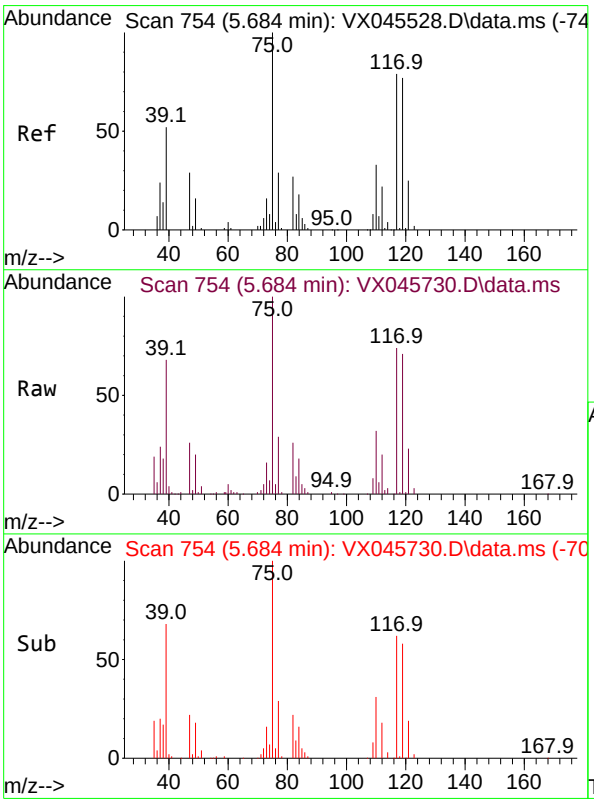
#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 58254

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.2	13.8	20.6

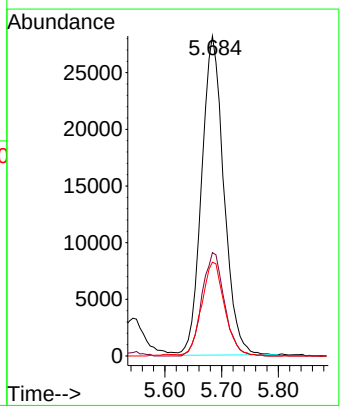


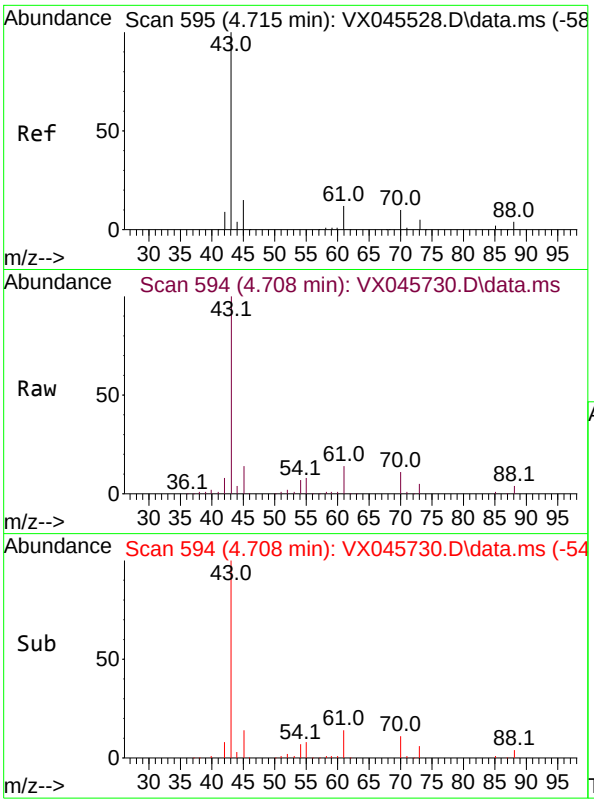


#36
1,1-Dichloropropene
Concen: 48.508 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 76541

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.6	25.0	37.4



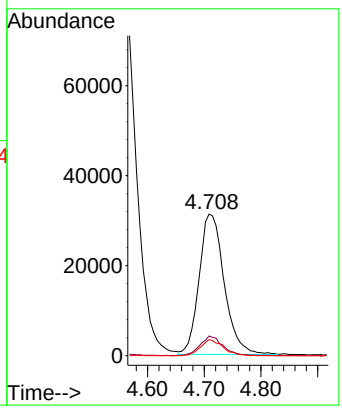


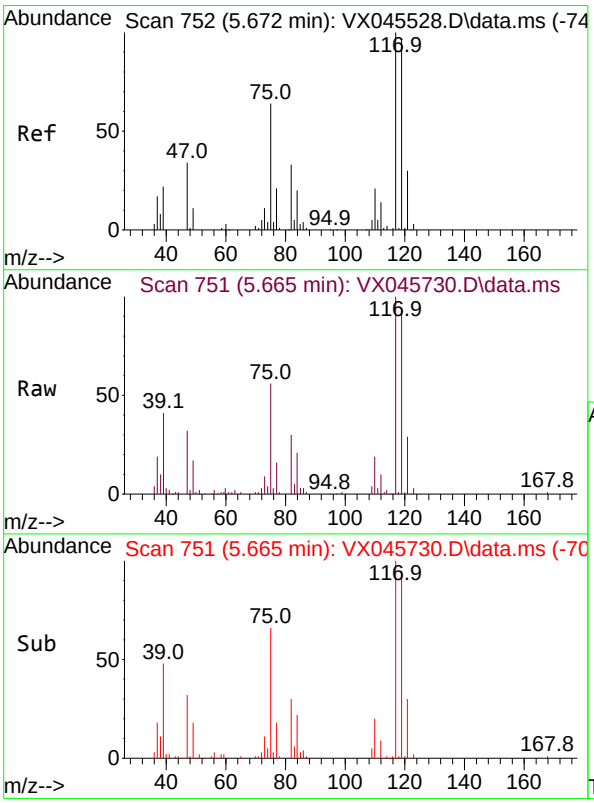
#37
Ethyl Acetate
Concen: 48.194 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 95833

Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.1	7.5	11.3

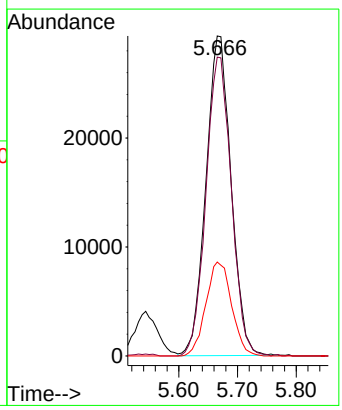


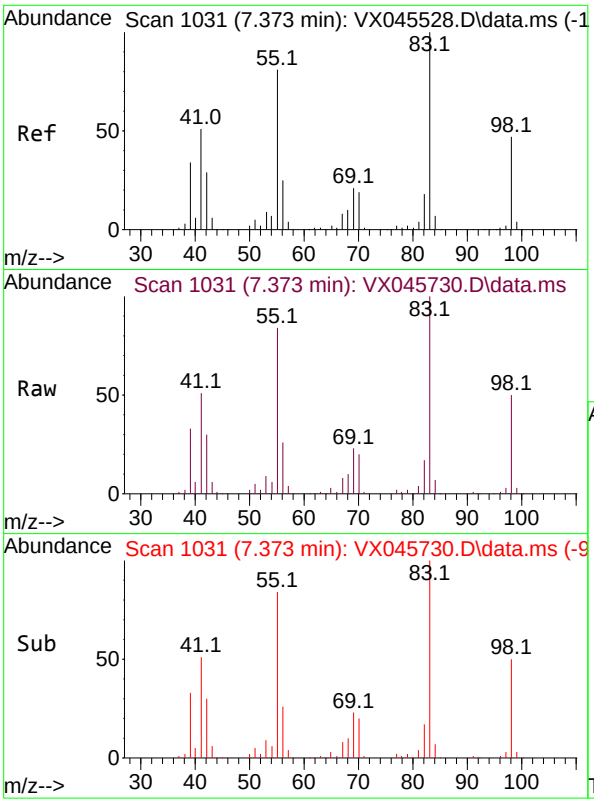


#38
Carbon Tetrachloride
Concen: 51.101 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 87144

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.9	115.3
121	29.4	24.2	36.2



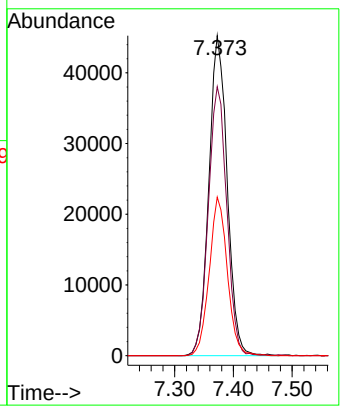


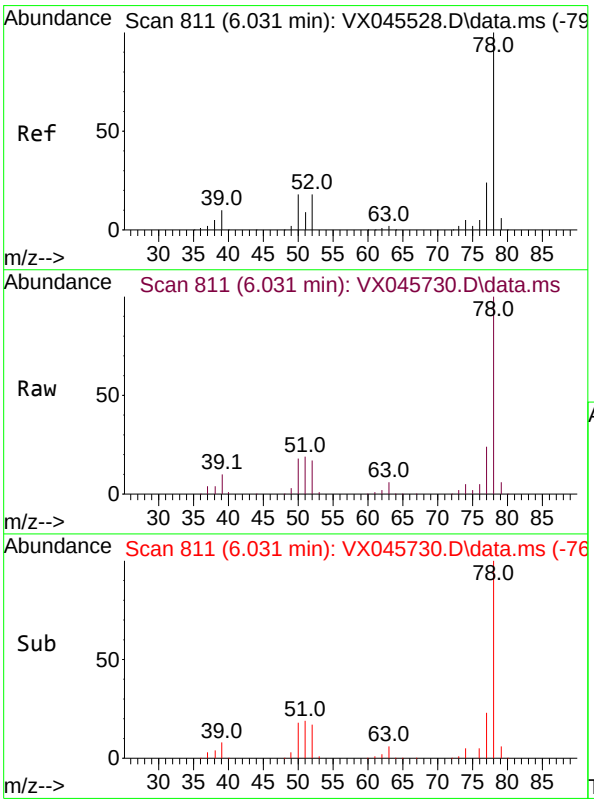
#39
Methylcyclohexane
Concen: 50.764 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98187

Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.9	97.3
98	49.5	37.4	56.0

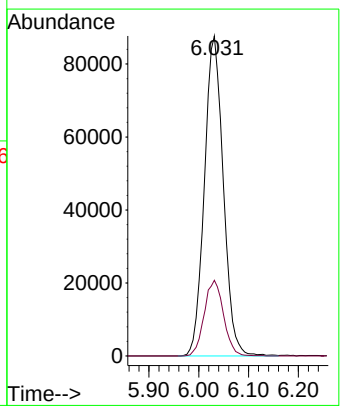


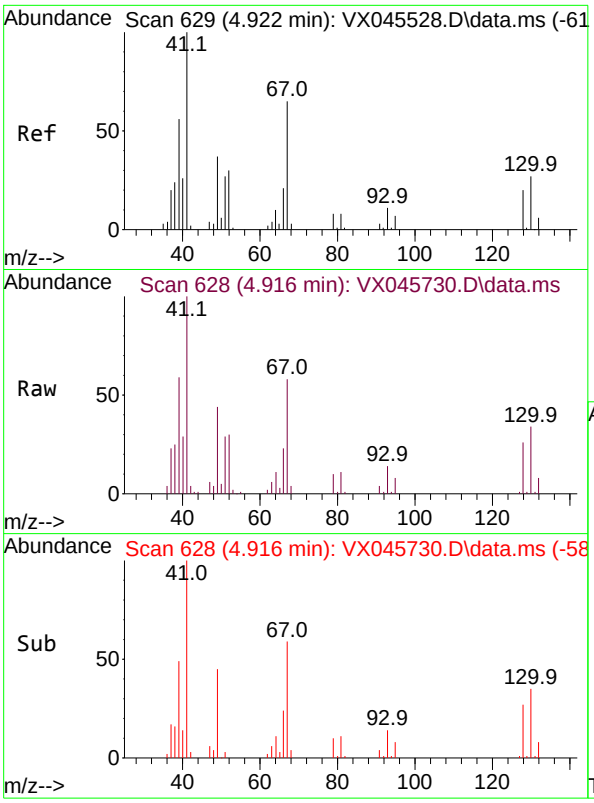


#40
Benzene
Concen: 47.983 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 78 Resp: 231234

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6



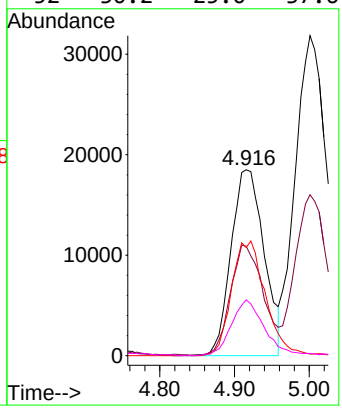


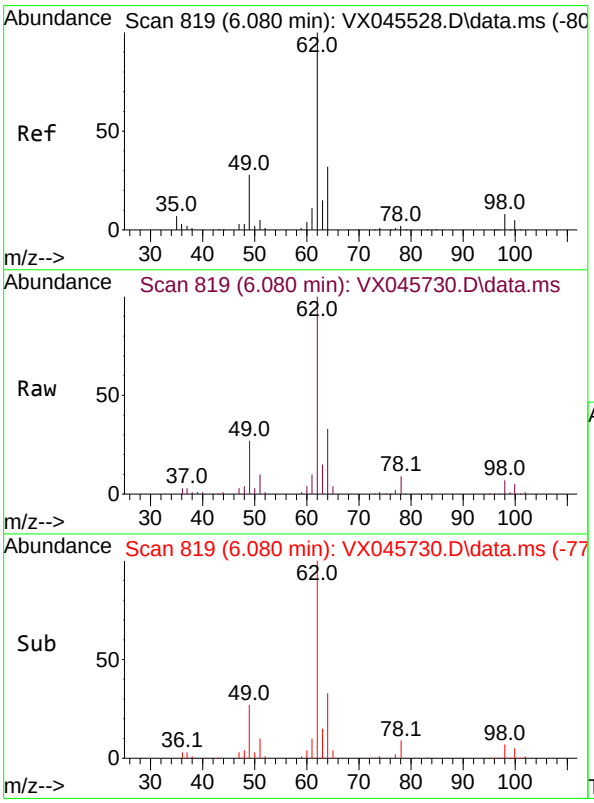
#41
Methacrylonitrile
Concen: 54.255 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 56924

Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.0	70.6
67	63.4	53.2	79.8
52	30.2	25.0	37.6

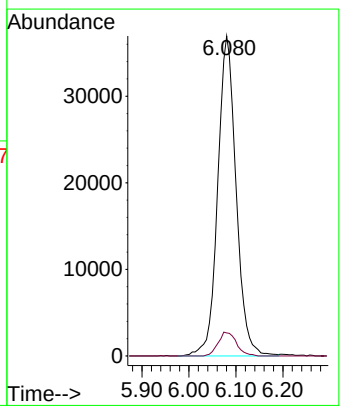


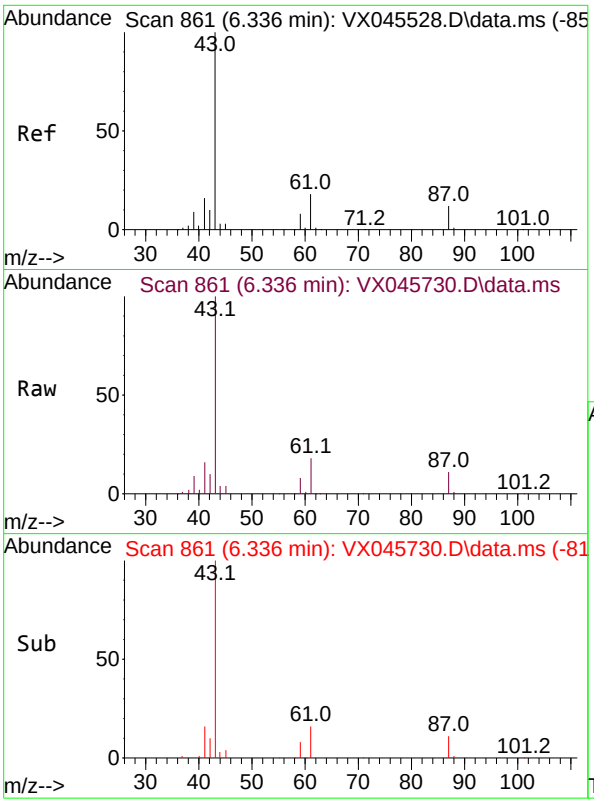


#42
1,2-Dichloroethane
Concen: 50.595 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 100704

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



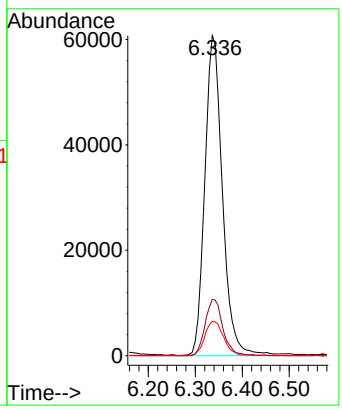


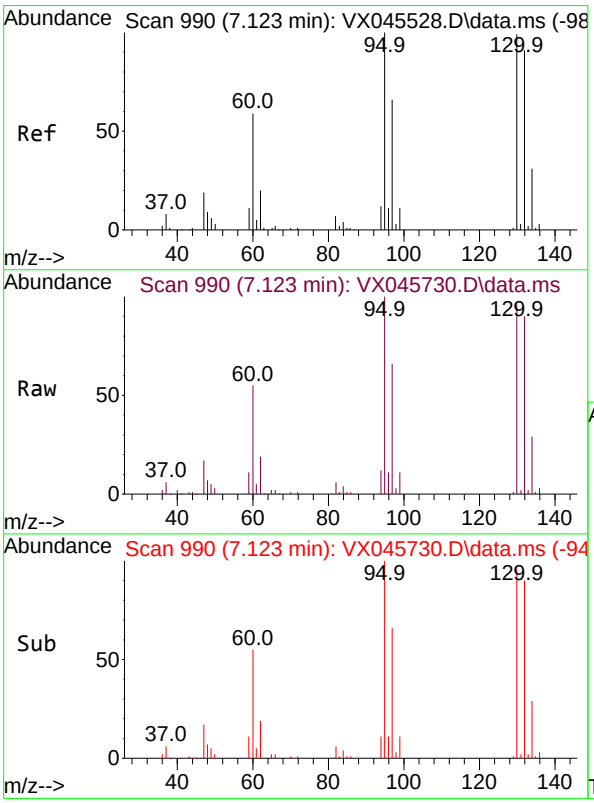
#43
Isopropyl Acetate
Concen: 52.534 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158328

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.1	21.1
87	11.3	9.2	13.8

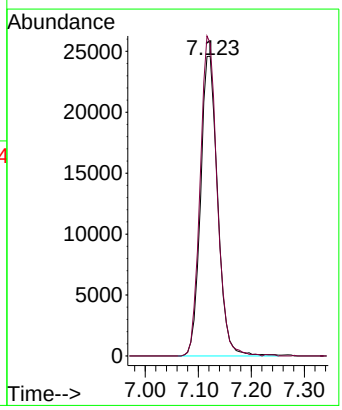


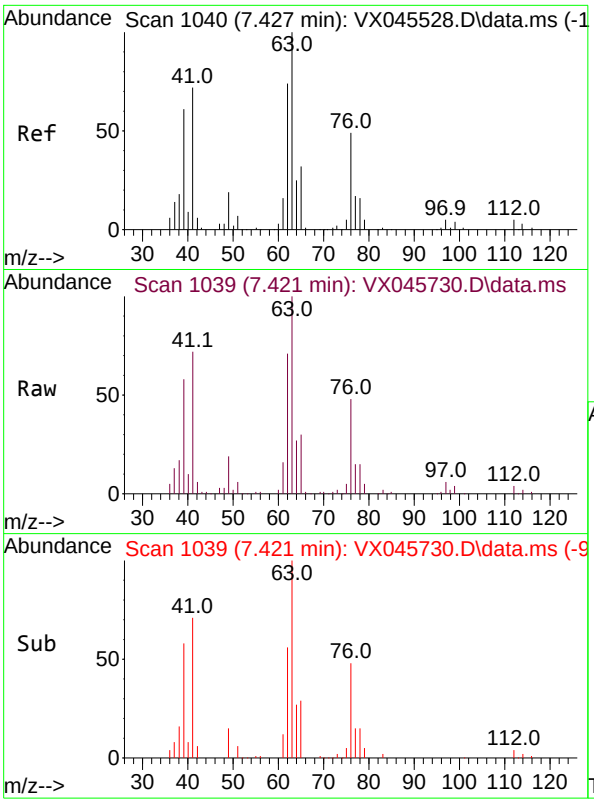


#44
Trichloroethene
Concen: 48.127 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:130 Resp: 55126

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	202.0



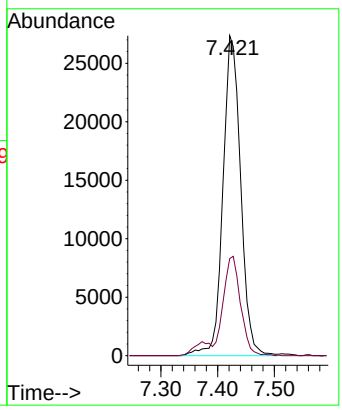


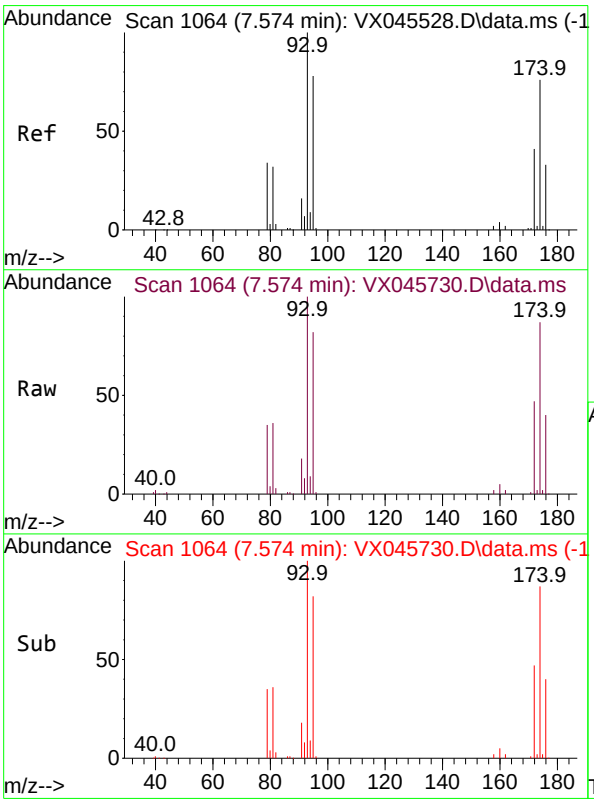
#45
1,2-Dichloropropane
Concen: 49.393 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 59390

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.8	38.6

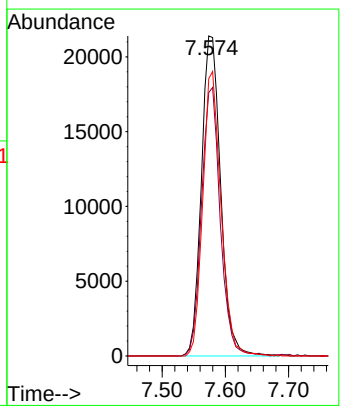


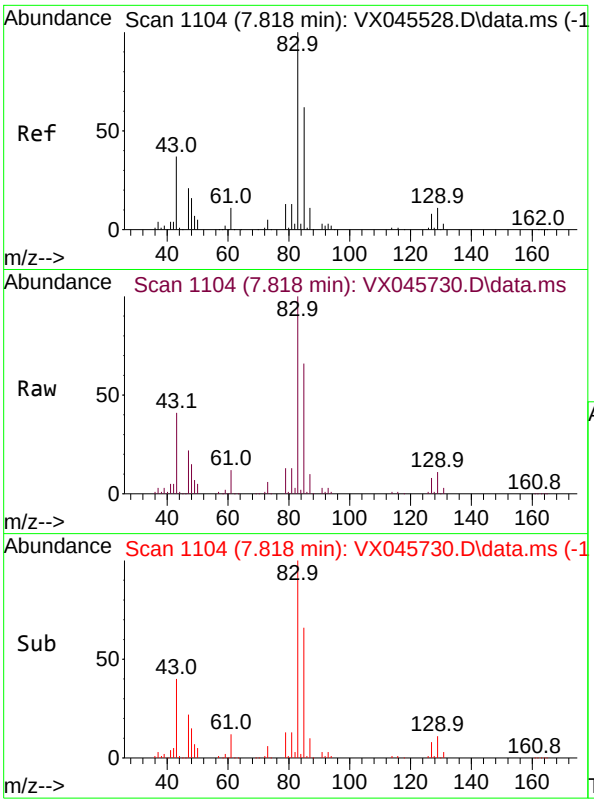


#46
Dibromomethane
Concen: 49.152 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 93 Resp: 45368

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.8	97.2
174	84.2	65.4	98.0



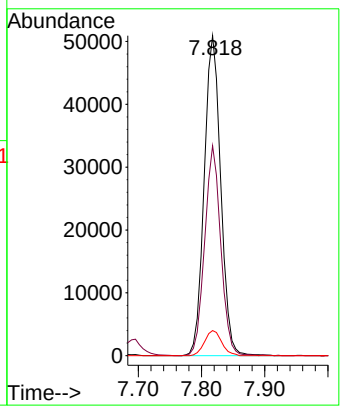


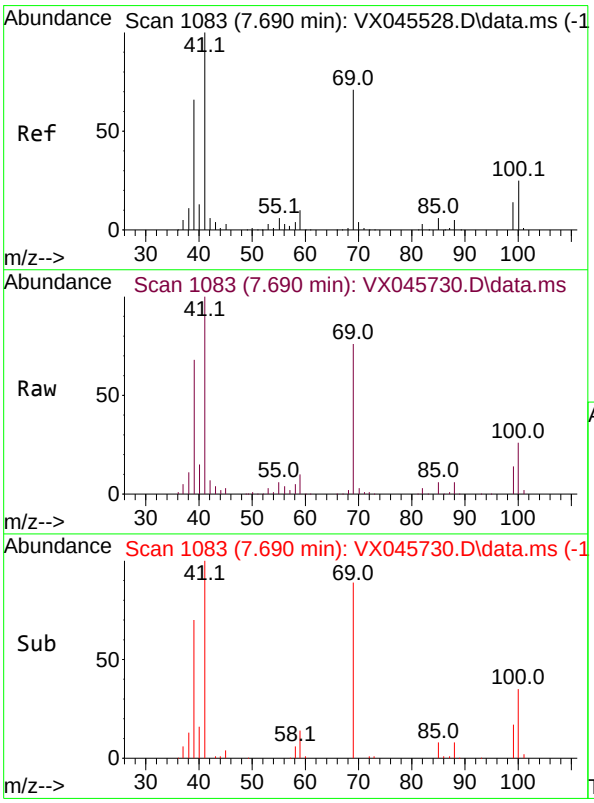
#47
Bromodichloromethane
Concen: 50.194 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 92524

Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.7	74.5
127	7.9	6.1	9.1

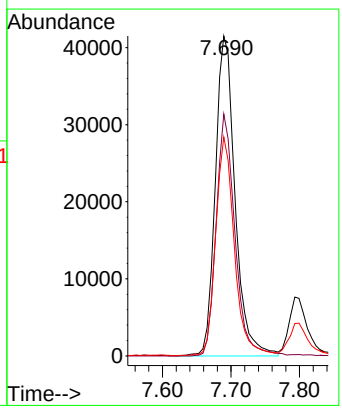


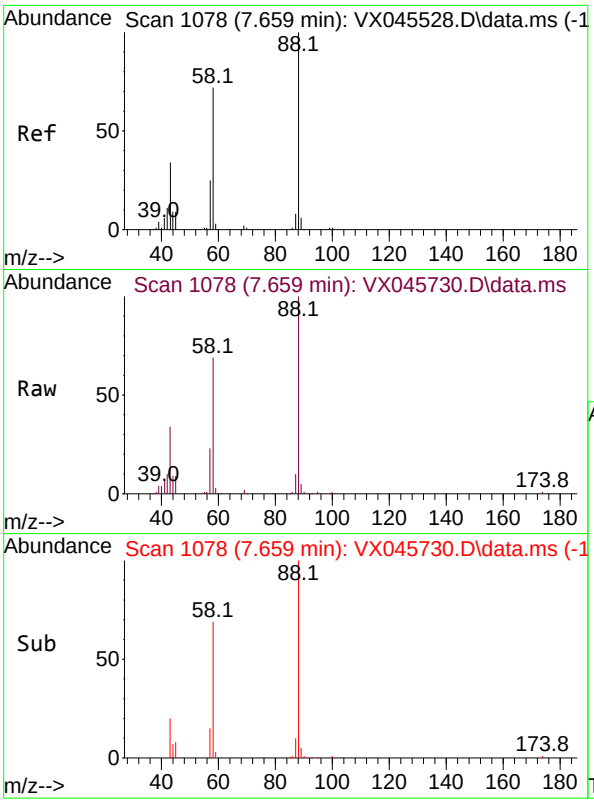


#48
Methyl methacrylate
Concen: 53.257 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 82873

Ion	Ratio	Lower	Upper
41	100		
69	71.8	58.2	87.2
39	65.4	53.6	80.4



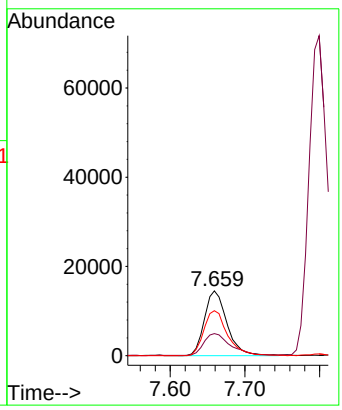


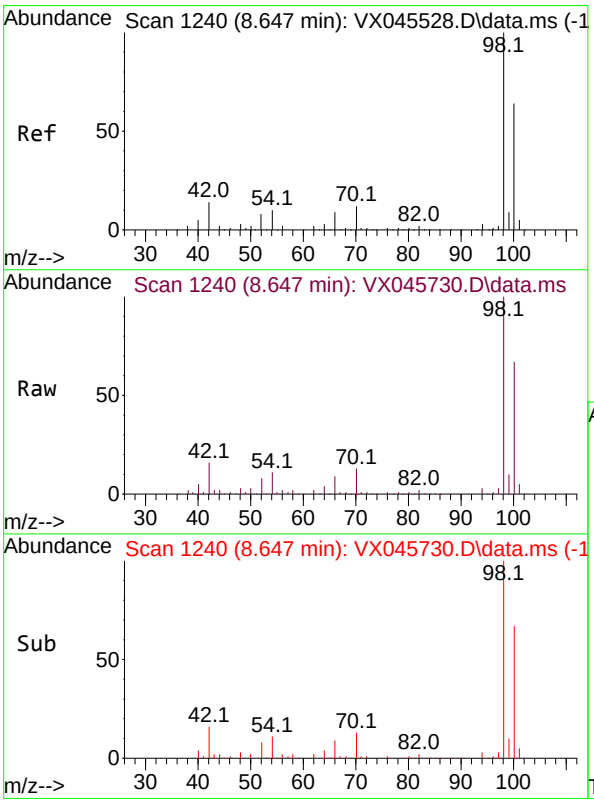
#49
1,4-Dioxane
Concen: 1080.494 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30420

Ion	Ratio	Lower	Upper
88	100		
43	39.5	32.2	48.4
58	72.8	58.6	88.0

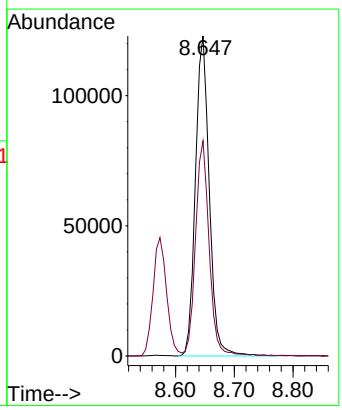


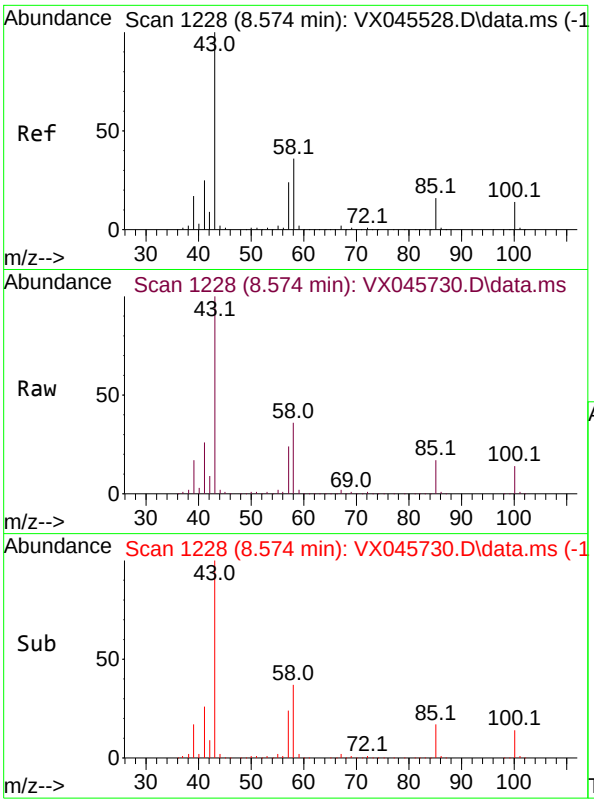


#50
Toluene-d8
Concen: 49.525 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 98 Resp: 202013

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4



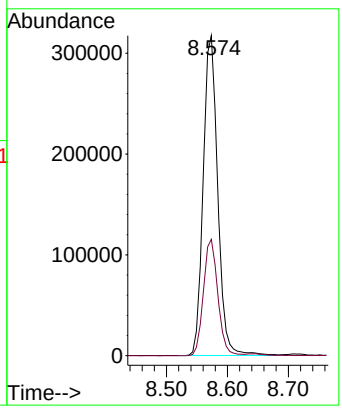


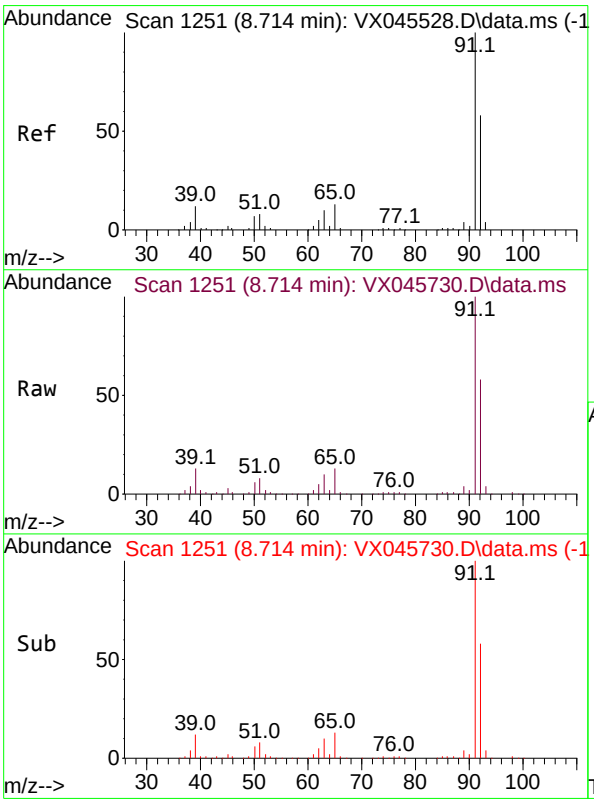
#51
4-Methyl-2-Pentanone
Concen: 263.661 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 526773

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.5	42.7

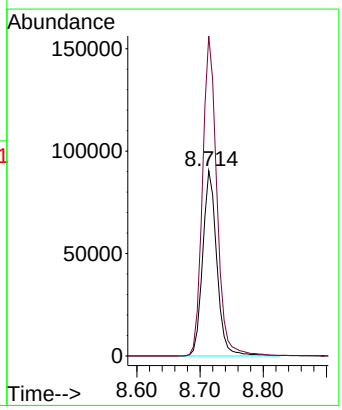


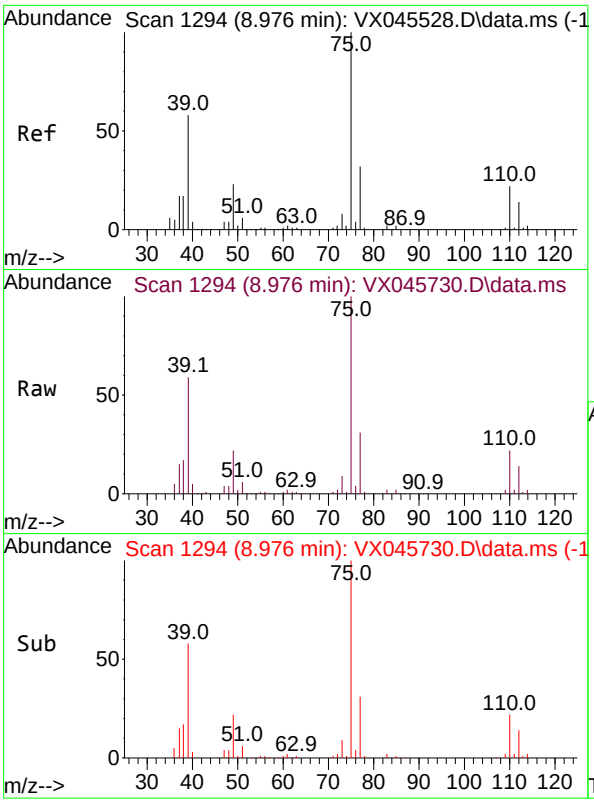


#52
Toluene
Concen: 48.475 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 92 Resp: 141355

Ion	Ratio	Lower	Upper
92	100		
91	175.5	138.7	208.1



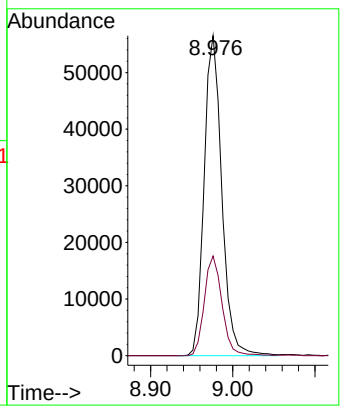


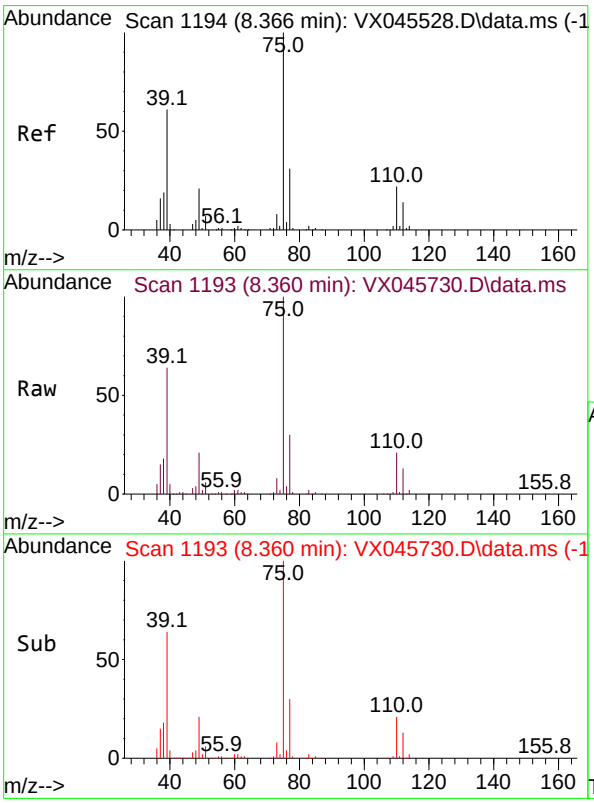
#53
t-1,3-Dichloropropene
Concen: 47.584 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 84143

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

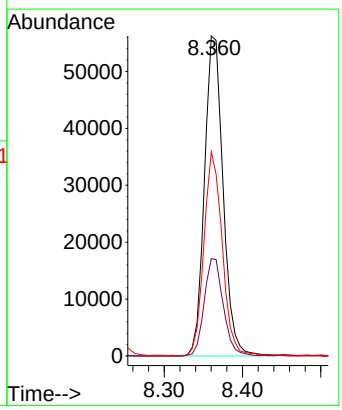


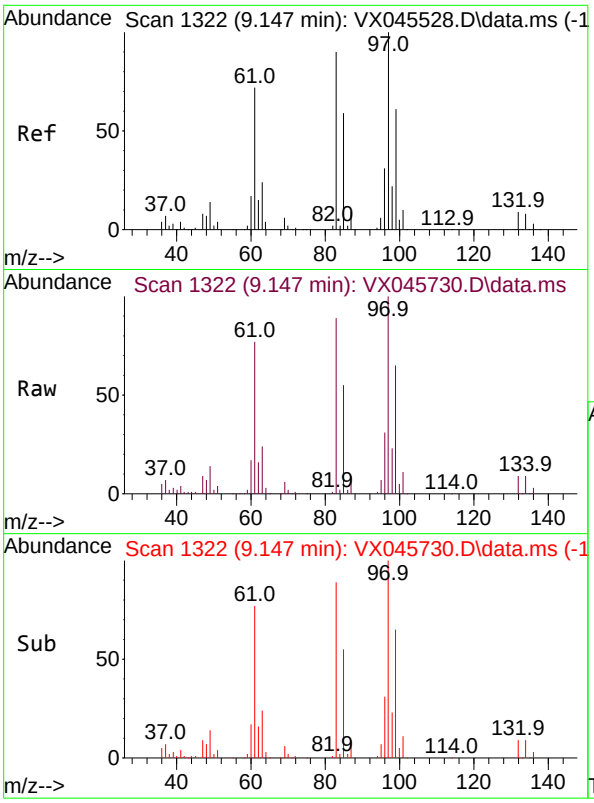


#54
cis-1,3-Dichloropropene
Concen: 53.744 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 93096

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8
39	63.7	48.4	72.6



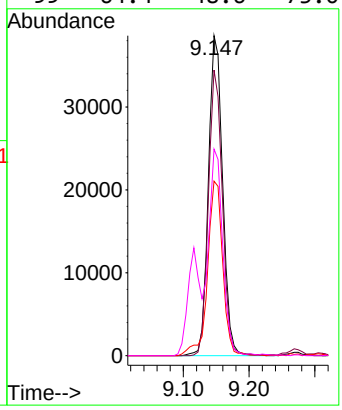


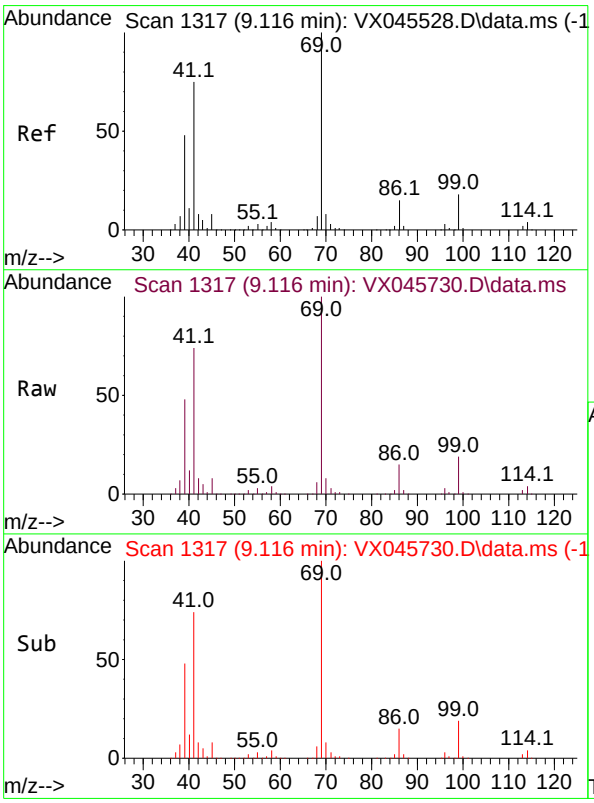
#55
1,1,2-Trichloroethane
Concen: 50.076 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 58189

Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.8	107.8
85	54.6	47.0	70.6
99	64.4	48.6	73.0

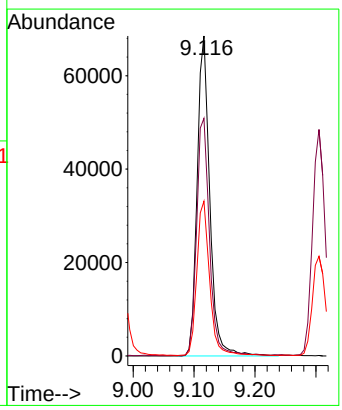


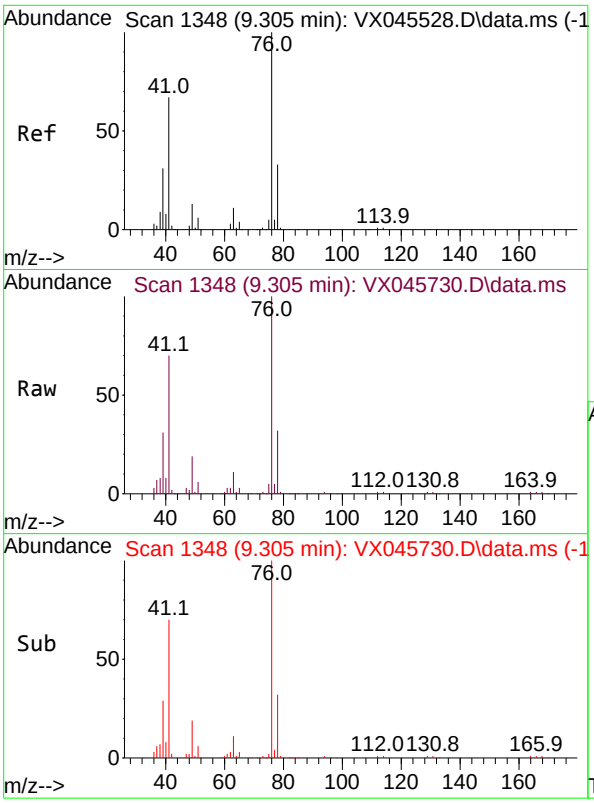


#56
Ethyl methacrylate
Concen: 54.894 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 69 Resp: 98718

Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.3	91.9
39	48.8	40.2	60.2



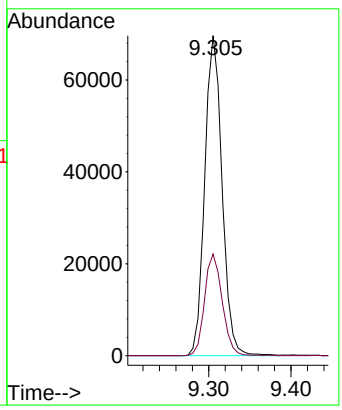


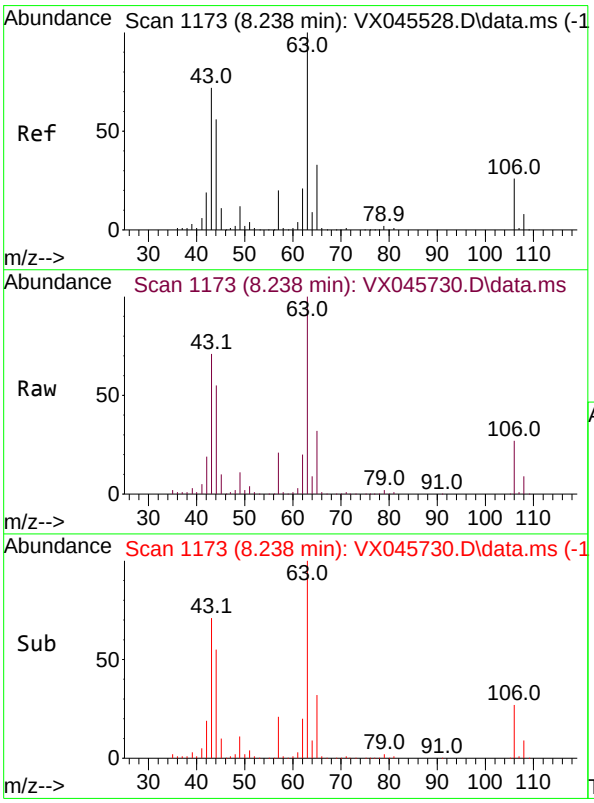
#57
1,3-Dichloropropane
Concen: 50.393 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 101969

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

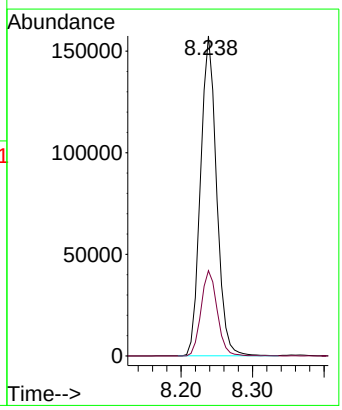


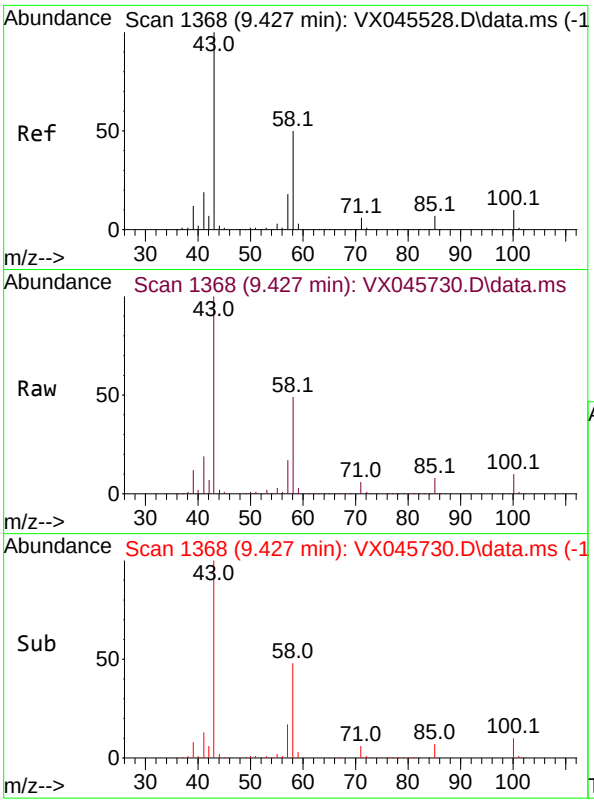


#58
2-Chloroethyl Vinyl ether
Concen: 270.217 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 245823

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.6



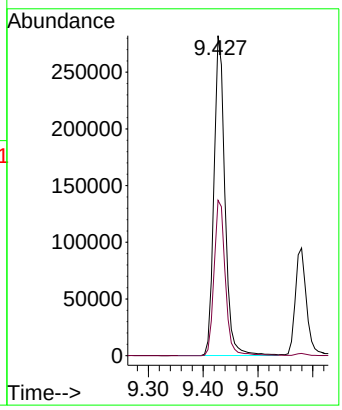


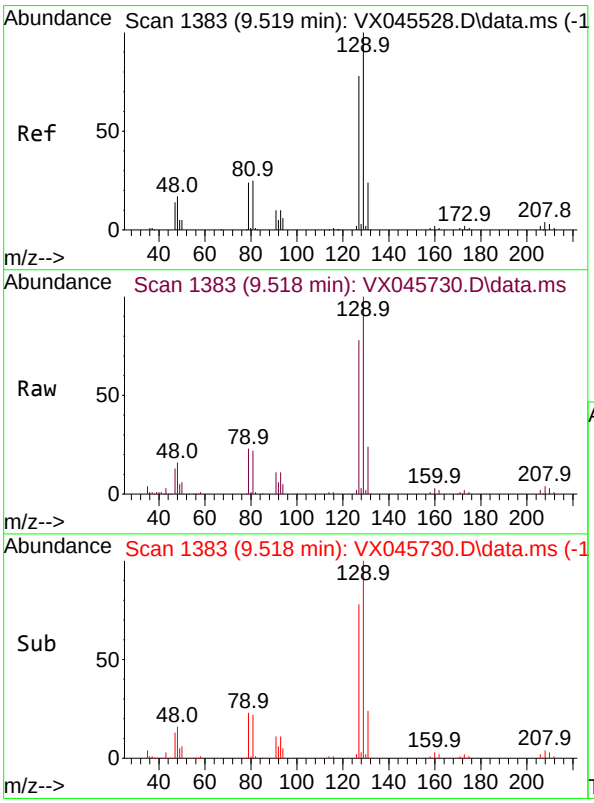
#59
2-Hexanone
Concen: 264.335 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 391086

Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

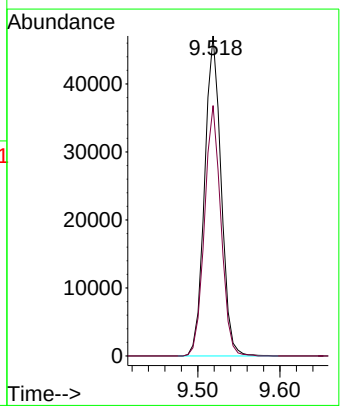


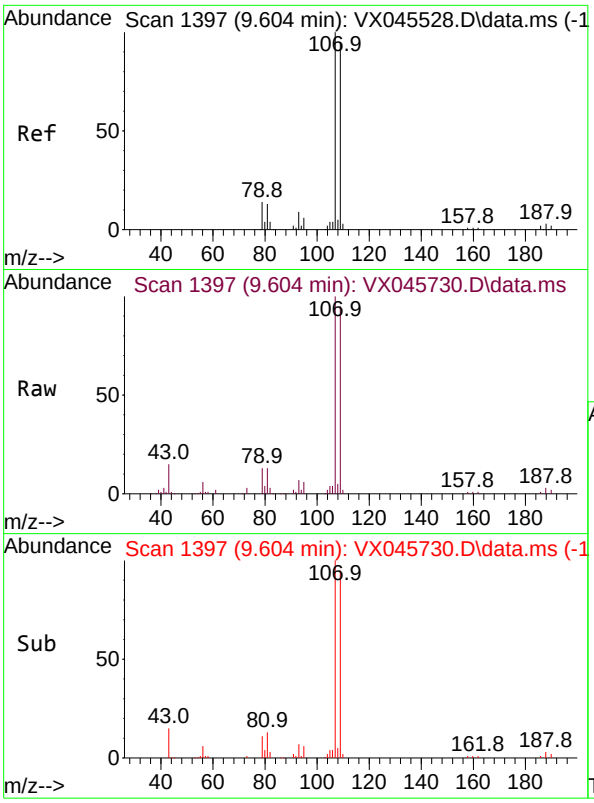


#60
Dibromochloromethane
Concen: 51.692 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:129 Resp: 65483

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.4	118.2



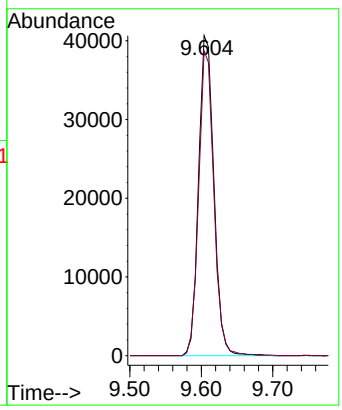


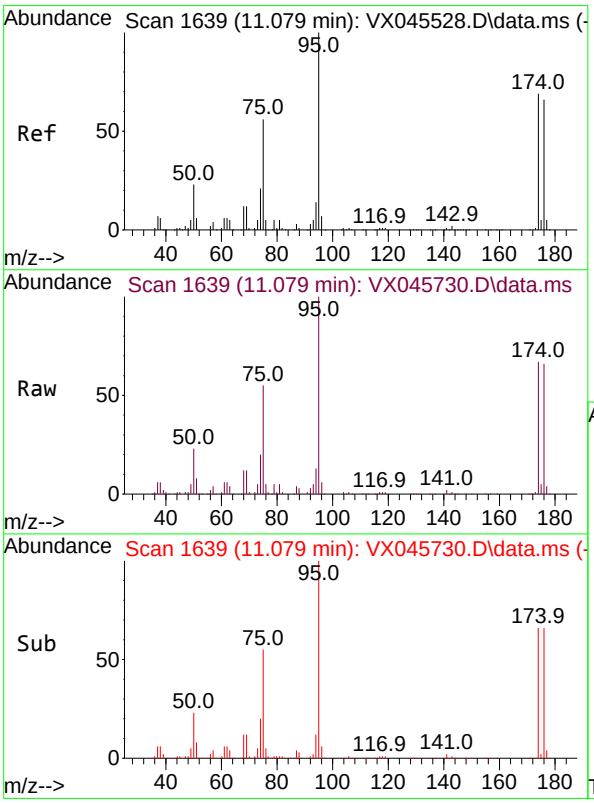
#61
1,2-Dibromoethane
Concen: 51.286 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 60328

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

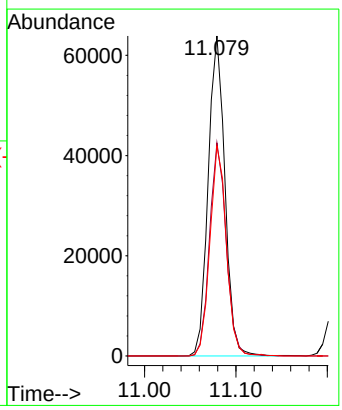


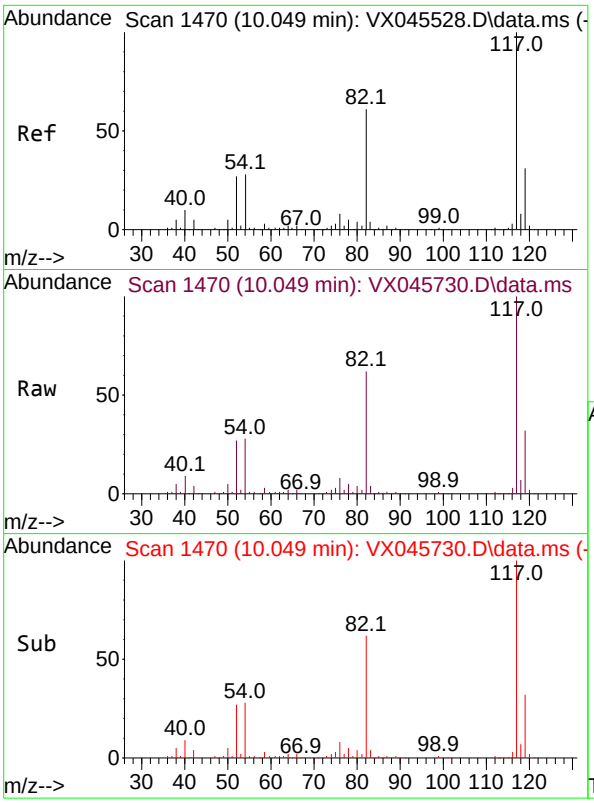


#62
4-Bromofluorobenzene
Concen: 54.421 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 95 Resp: 80858

Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	135.8
176	64.6	0.0	131.4



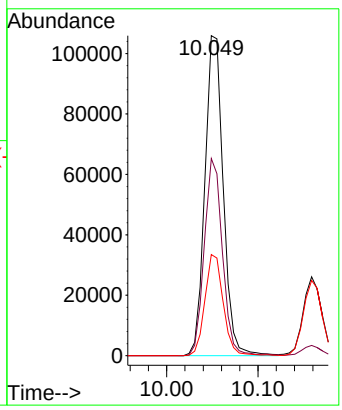


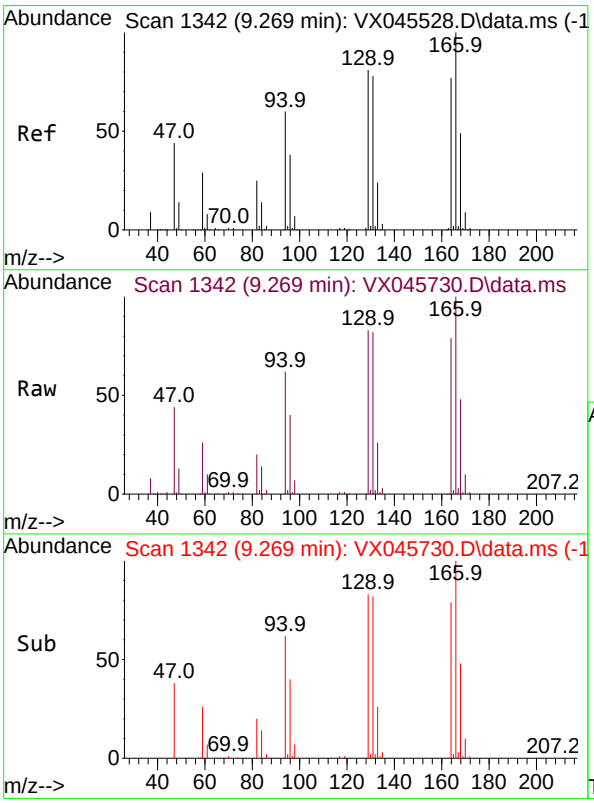
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 147741

Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.2	73.8
119	31.6	25.1	37.7

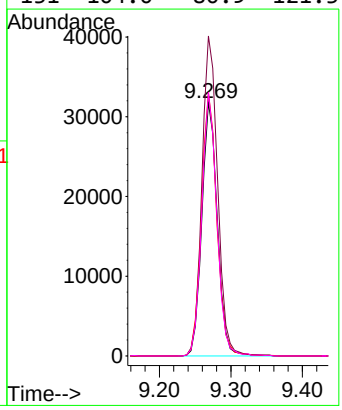


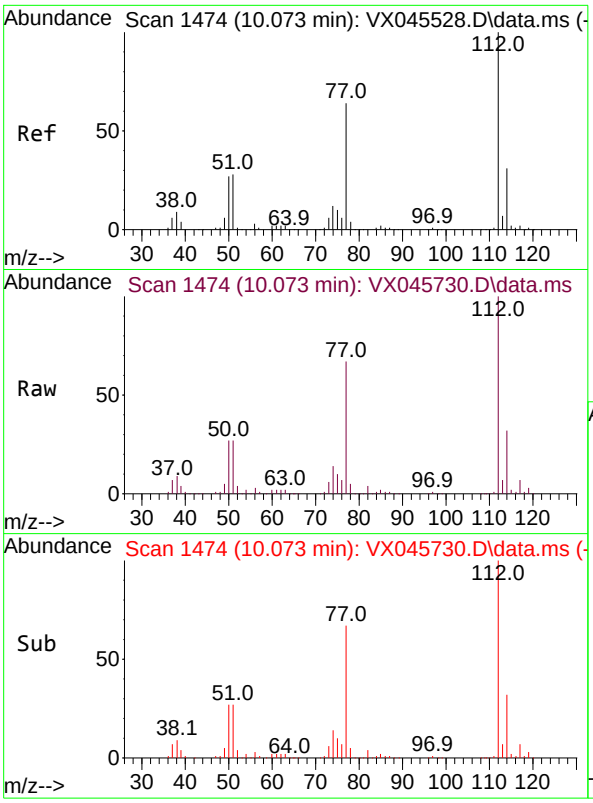


#64
Tetrachloroethene
Concen: 45.712 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:164 Resp: 47682

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.8	155.8
129	104.3	84.3	126.5
131	104.0	80.9	121.3



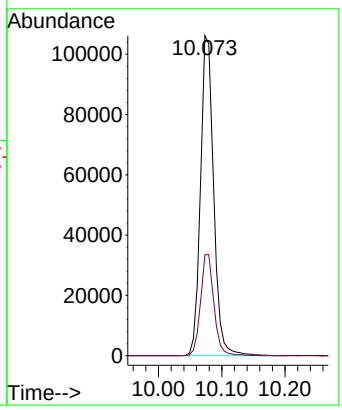


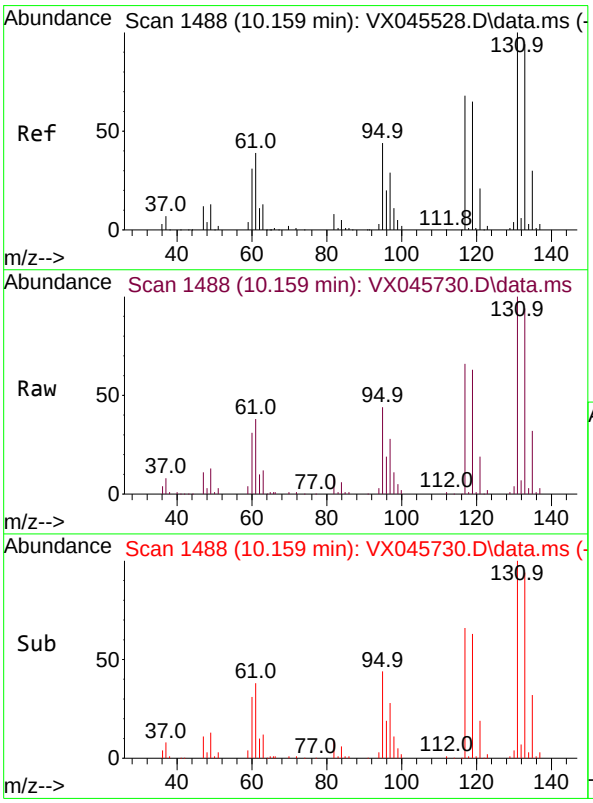
#65
Chlorobenzene
Concen: 48.815 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 154107

Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.7	37.1

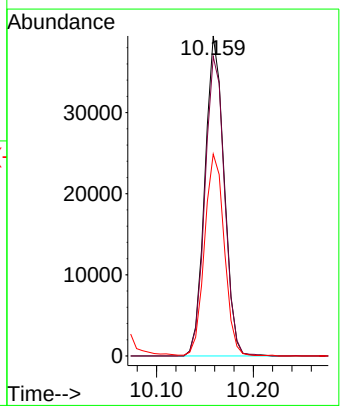


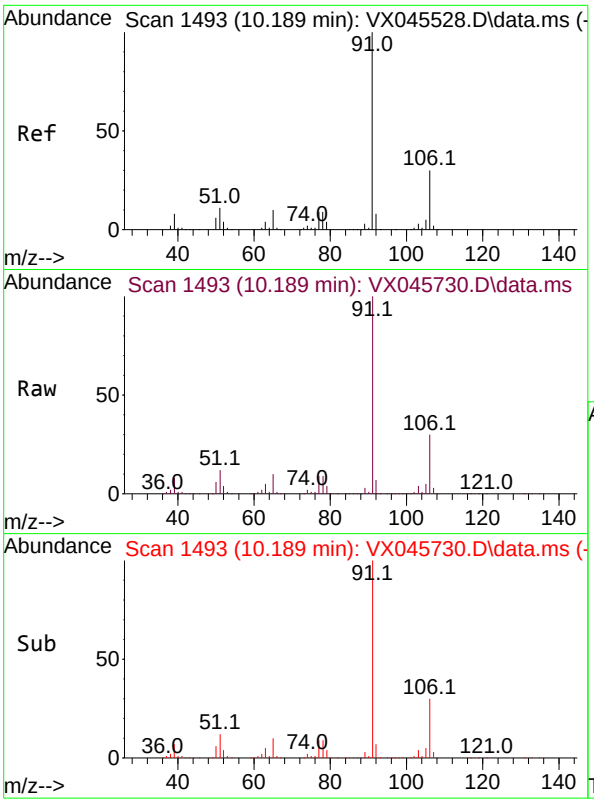


#66
1,1,1,2-Tetrachloroethane
Concen: 49.662 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:131 Resp: 54432

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	64.9	32.9	98.6



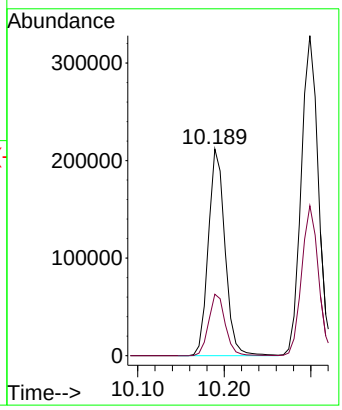


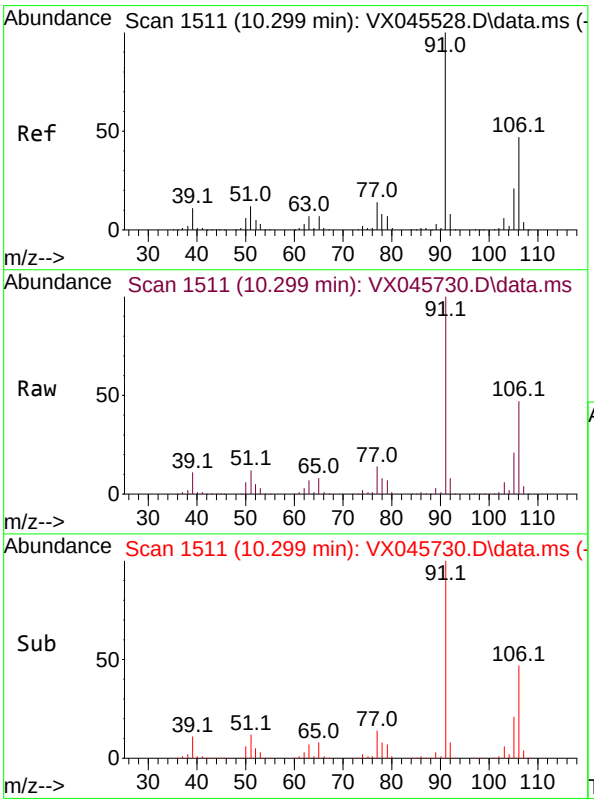
#67
Ethyl Benzene
Concen: 50.102 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 283288

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.7	35.5

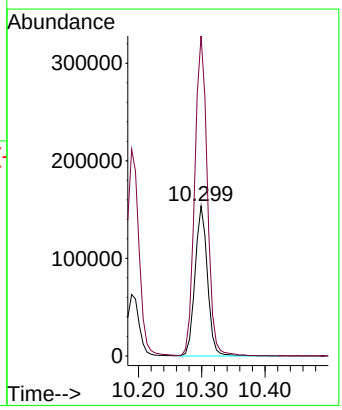


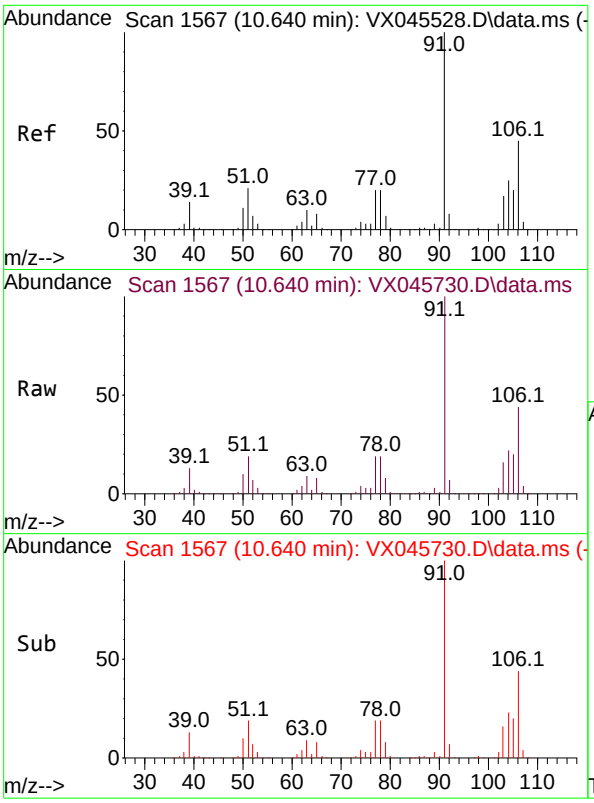


#68
m/p-Xylenes
Concen: 101.879 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:106 Resp: 209512

Ion	Ratio	Lower	Upper
106	100		
91	217.4	172.6	258.8



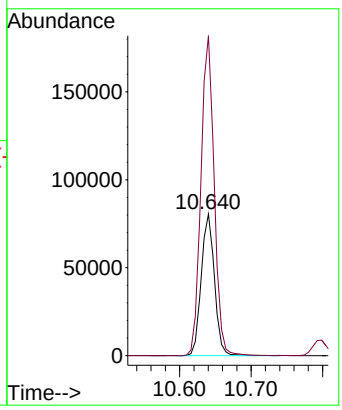


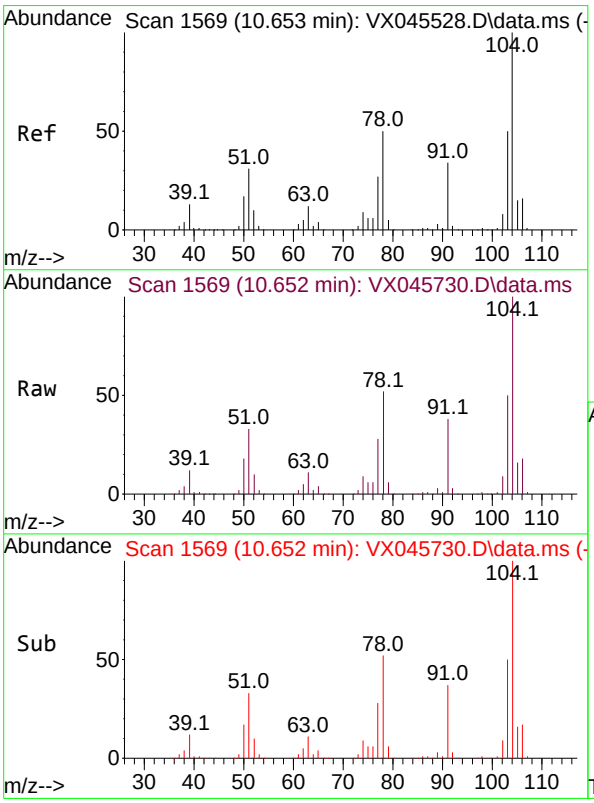
#69
o-Xylene
Concen: 50.973 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 103263

Ion	Ratio	Lower	Upper
106	100		
91	227.2	113.6	340.6

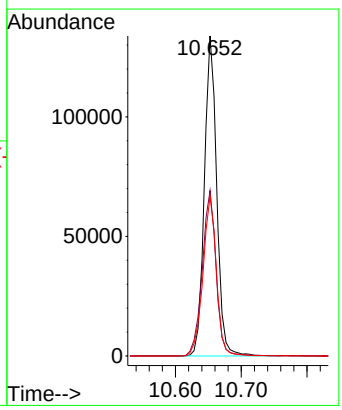


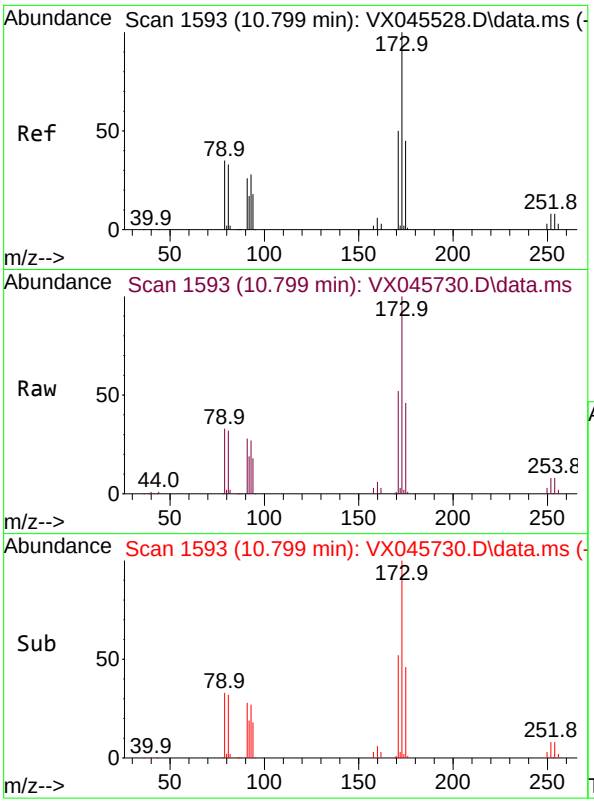


#70
Styrene
Concen: 52.356 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:104 Resp: 175059

Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.4	68.2
103	54.6	43.8	65.8



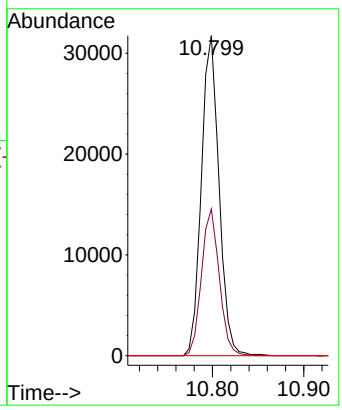


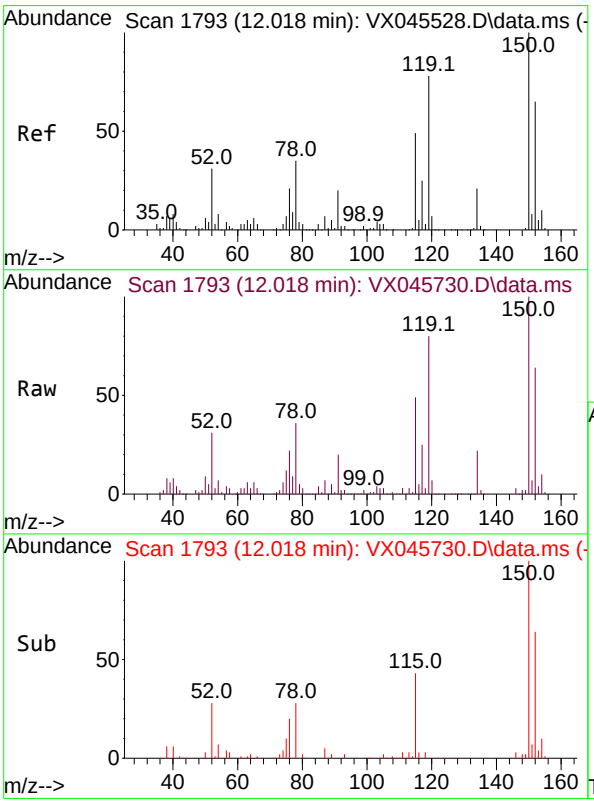
#71
Bromoform
Concen: 51.992 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 42549

Ion	Ratio	Lower	Upper
173	100		
175	46.1	23.4	70.2
254	0.0	0.0	0.0

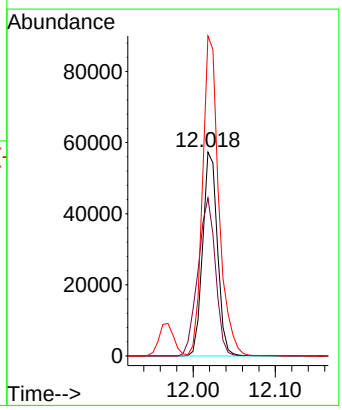


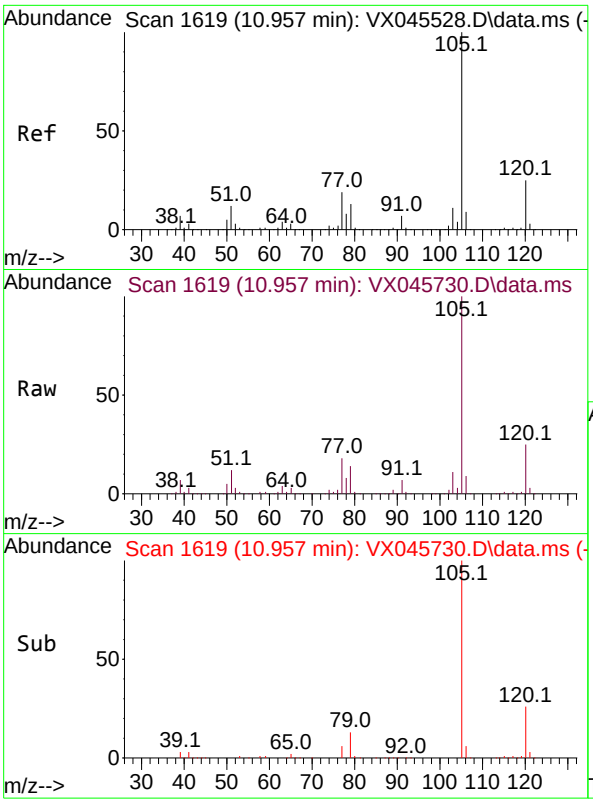


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:152 Resp: 71449

Ion	Ratio	Lower	Upper
152	100		
115	92.3	46.9	140.7
150	172.3	0.0	349.4



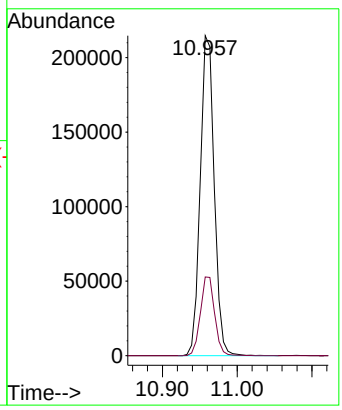


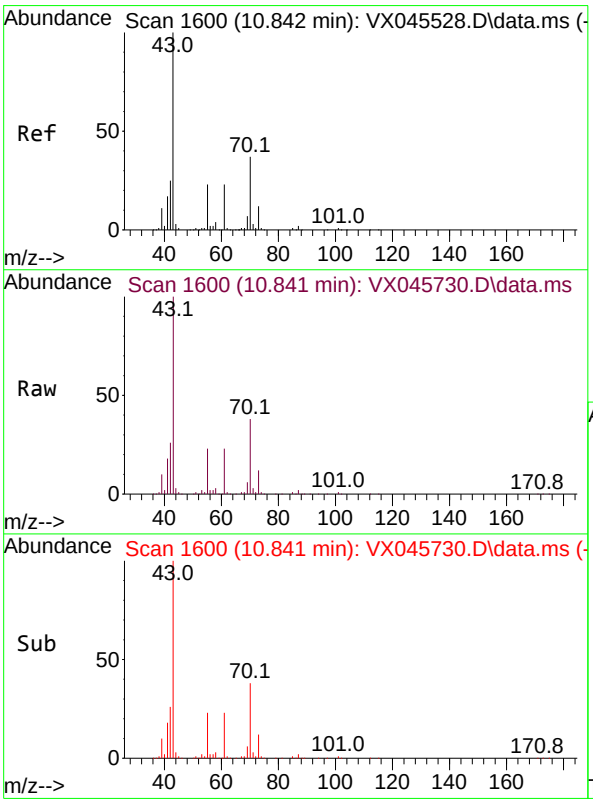
#73
Isopropylbenzene
Concen: 48.759 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 279055

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.7	38.0

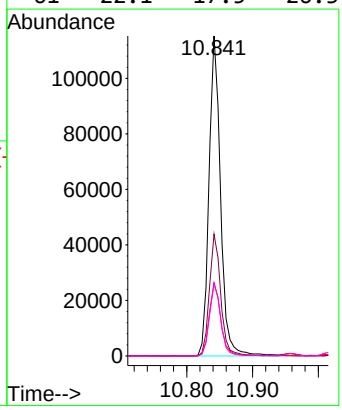


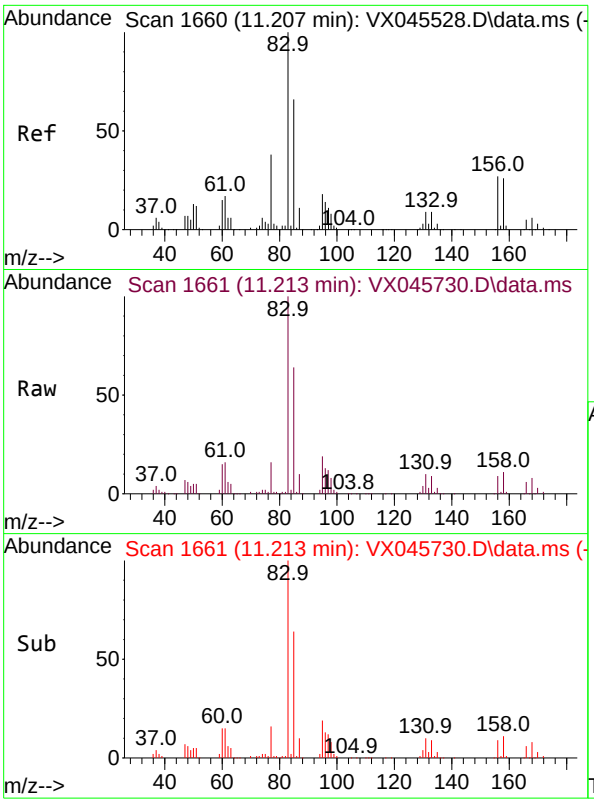


#74
N-amyl acetate
Concen: 51.455 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 140866

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	23.1	18.3	27.5
61	22.1	17.5	26.3



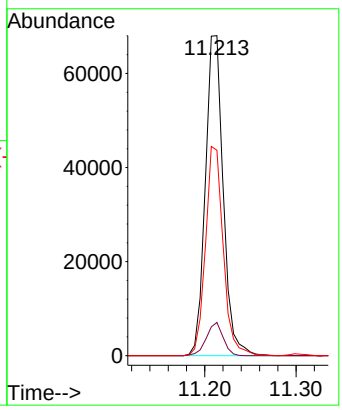


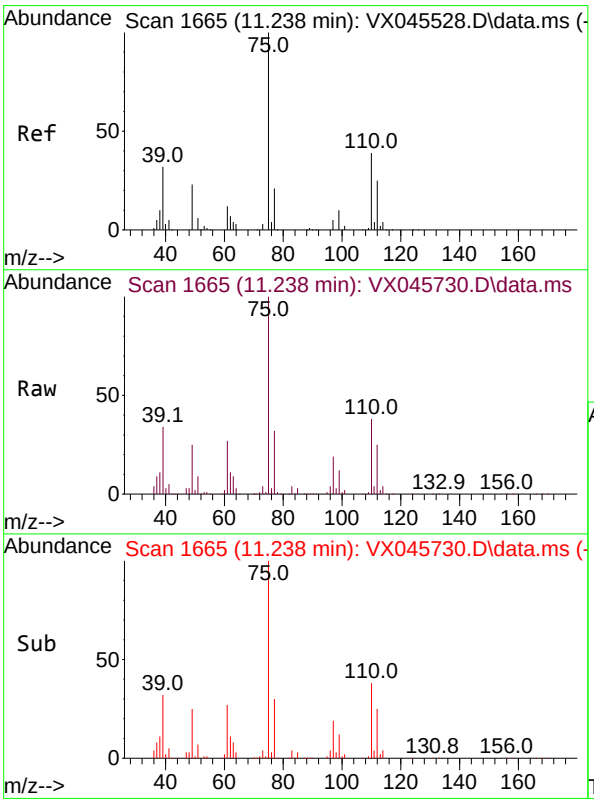
#75
1,1,2,2-Tetrachloroethane
Concen: 45.869 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 92218

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.9	32.4	97.2

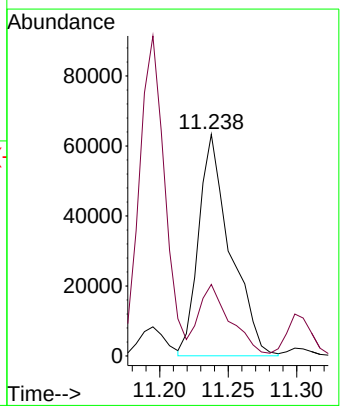


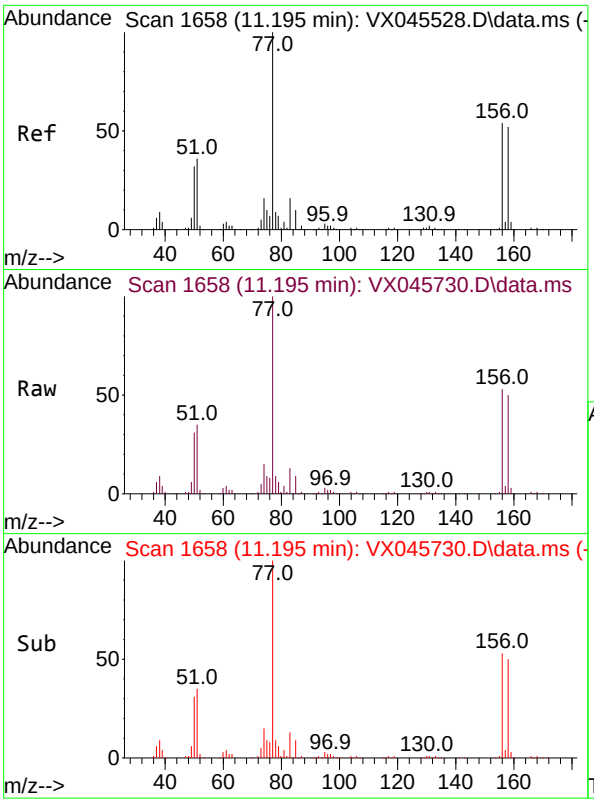


#76
1,2,3-Trichloropropane
Concen: 58.590 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 102112

Ion	Ratio	Lower	Upper
75	100		
77	32.4	20.0	59.9



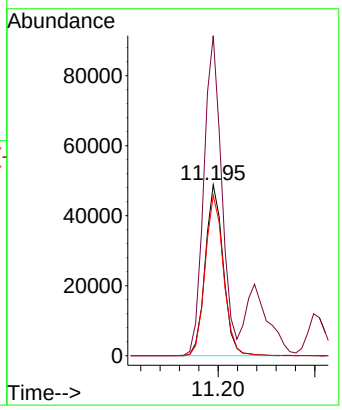


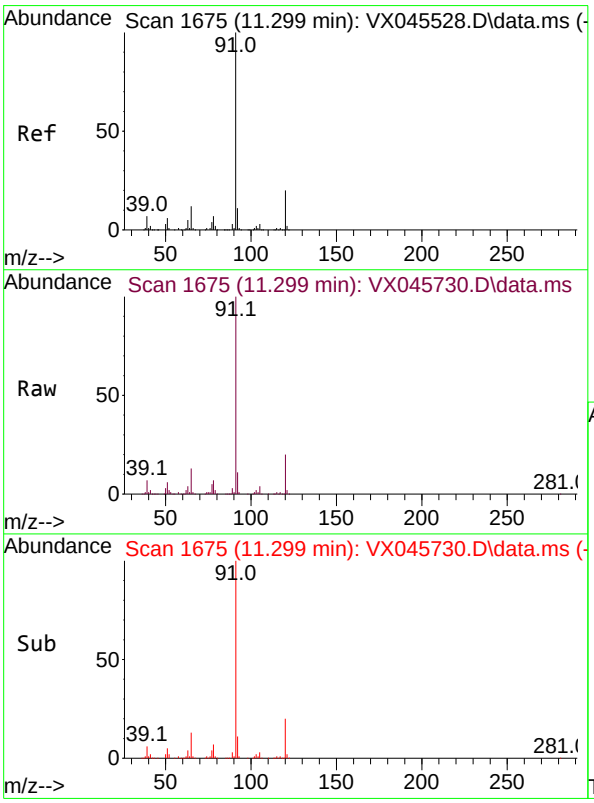
#77
Bromobenzene
Concen: 47.589 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 62929

Ion	Ratio	Lower	Upper
156	100		
77	187.7	92.6	277.8
158	95.8	48.1	144.4

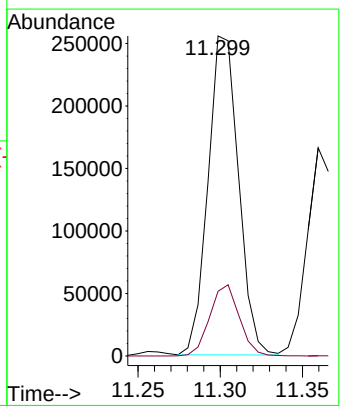


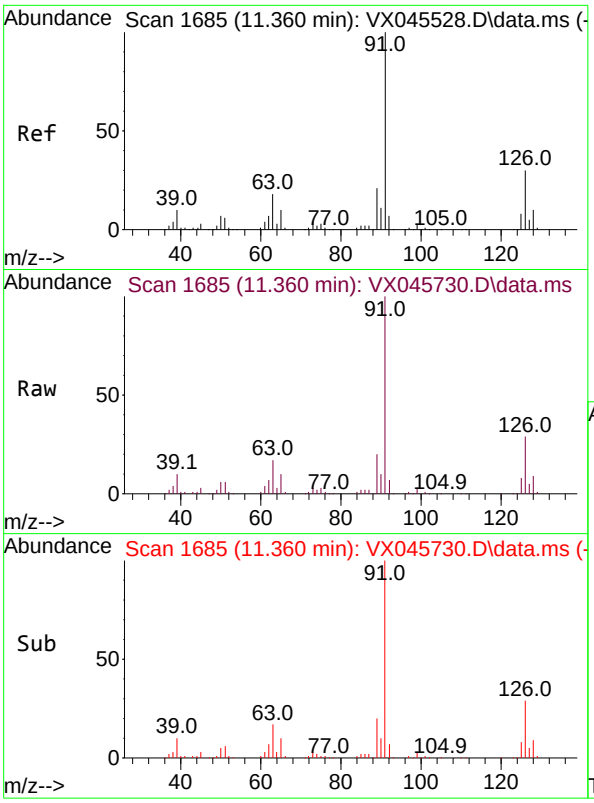


#78
n-propylbenzene
Concen: 50.027 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 329781

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3



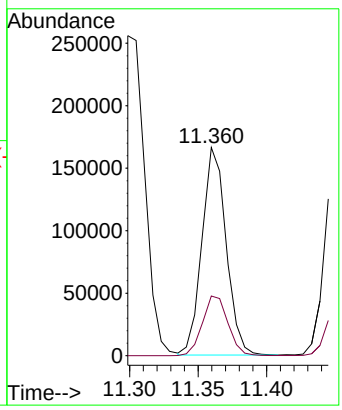


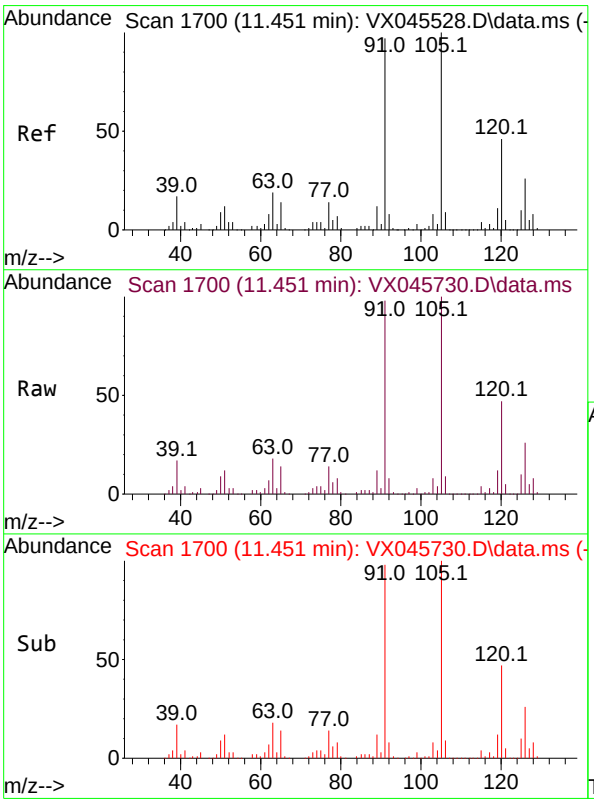
#79
2-Chlorotoluene
Concen: 48.443 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 204153

Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.8	47.4

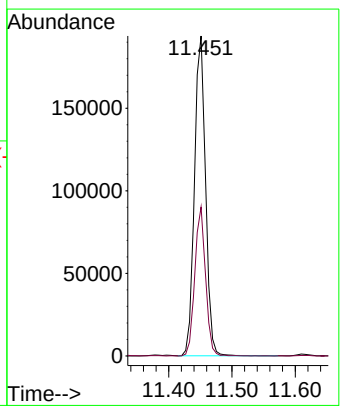


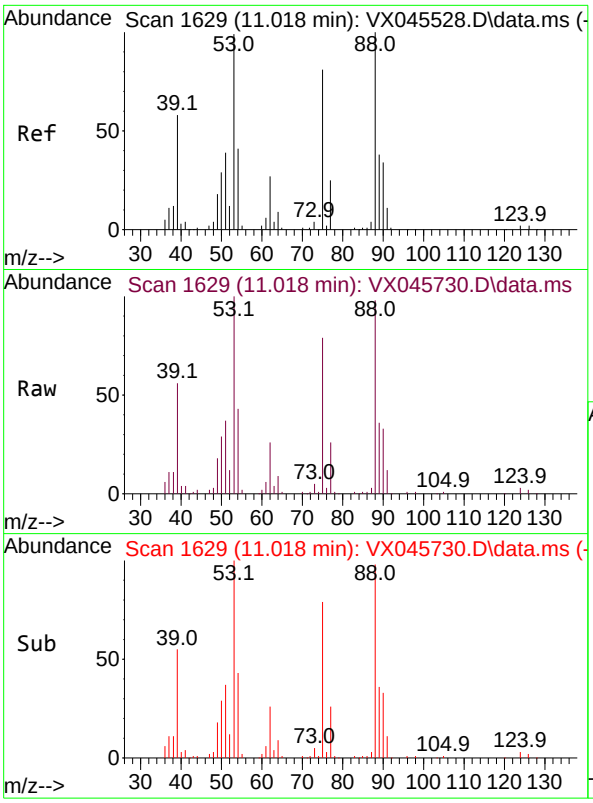


#80
1,3,5-Trimethylbenzene
Concen: 50.087 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 237040

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0



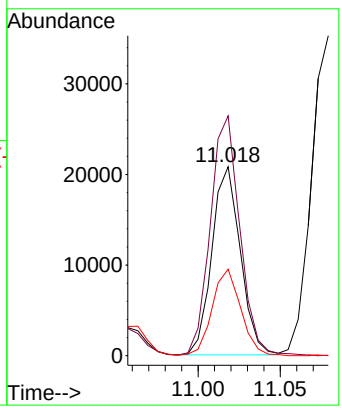


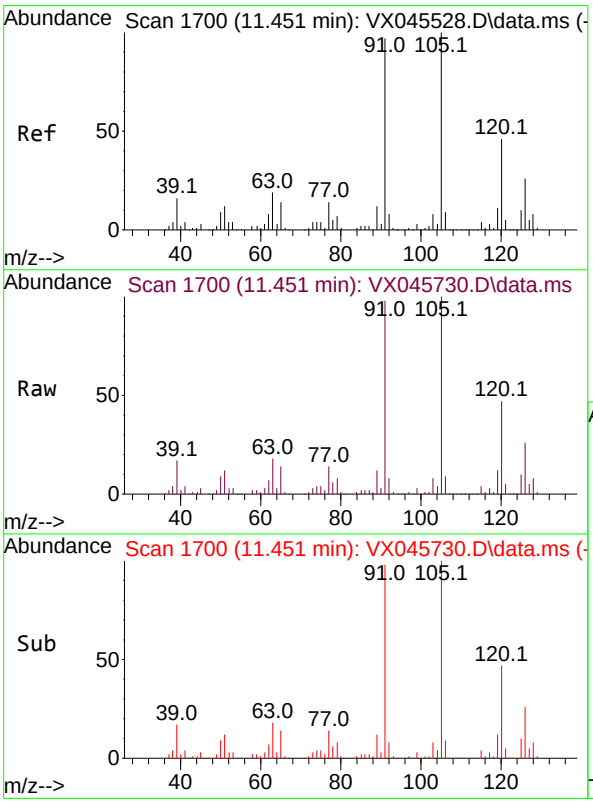
#81
trans-1,4-Dichloro-2-butene
Concen: 48.803 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 25061

Ion	Ratio	Lower	Upper
75	100		
53	131.9	101.8	152.6
89	46.2	37.2	55.8

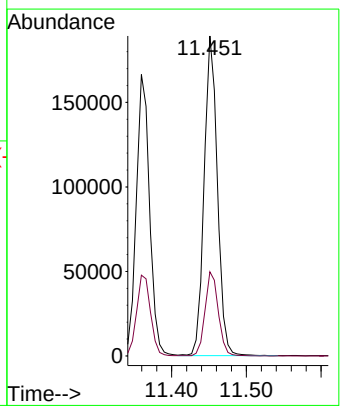


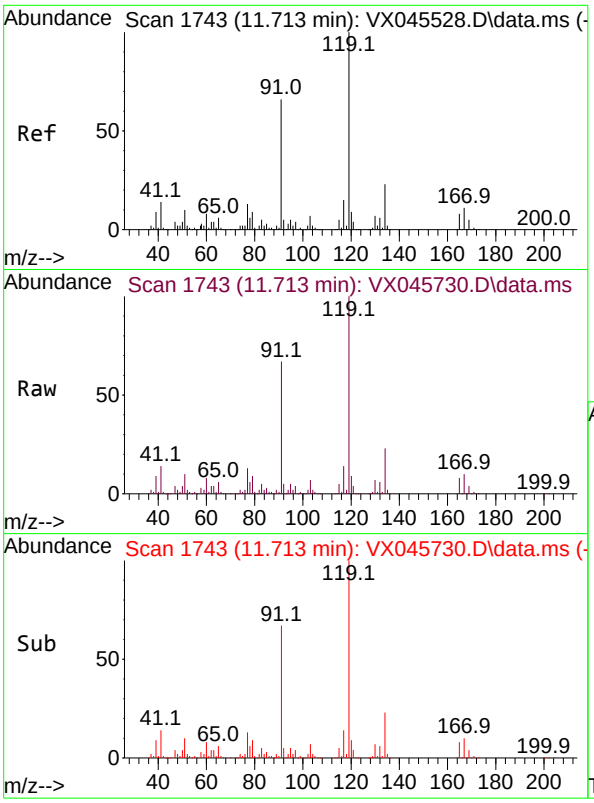


#82
4-Chlorotoluene
Concen: 49.589 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 233003

Ion	Ratio	Lower	Upper
91	100		
126	26.4	13.3	39.9



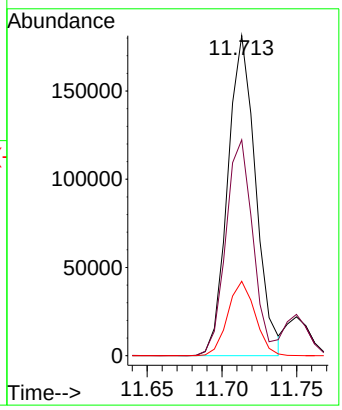


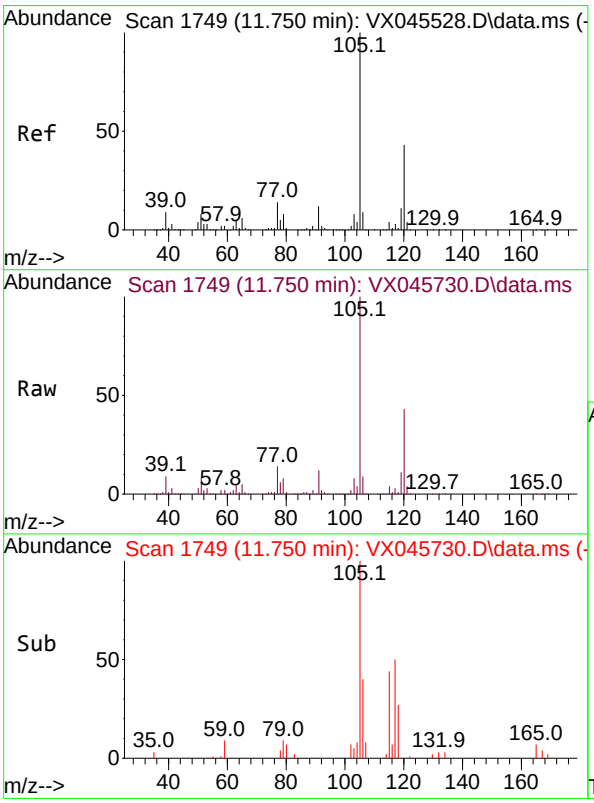
#83
tert-Butylbenzene
Concen: 50.120 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 234833

Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.4	97.2
134	22.8	11.5	34.5

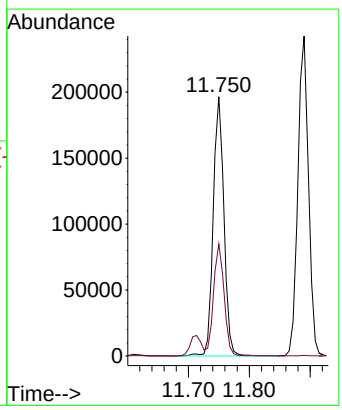


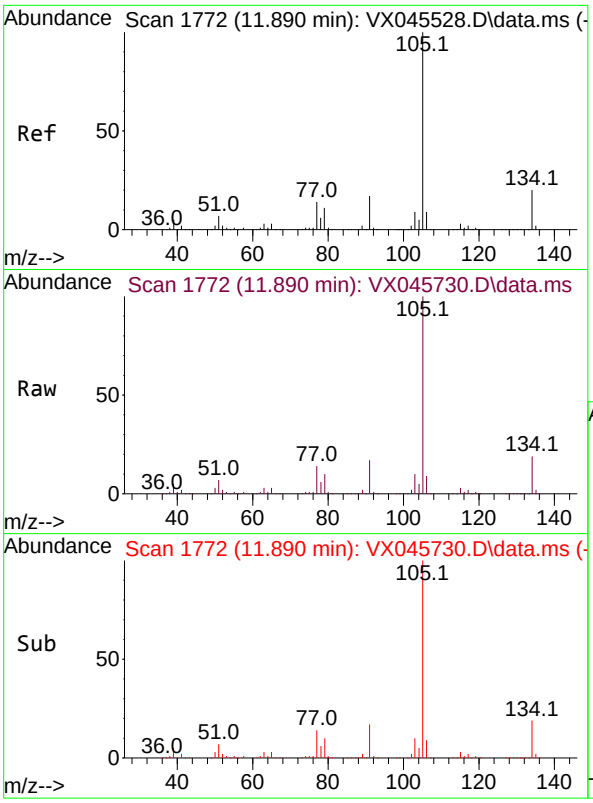


#84
1,2,4-Trimethylbenzene
Concen: 50.423 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 239508

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3



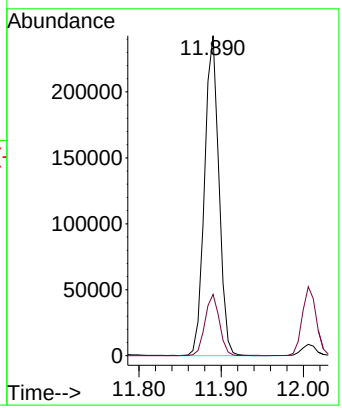


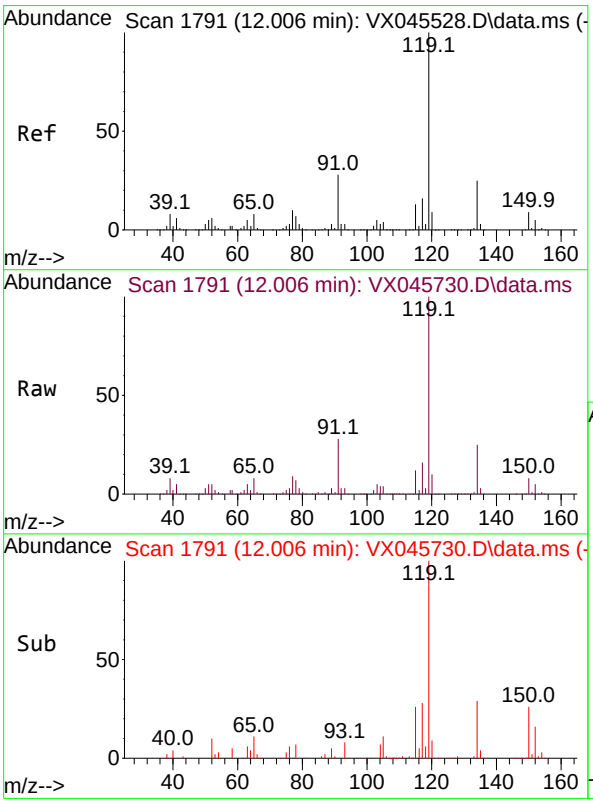
#85
sec-Butylbenzene
Concen: 51.118 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 294171

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6

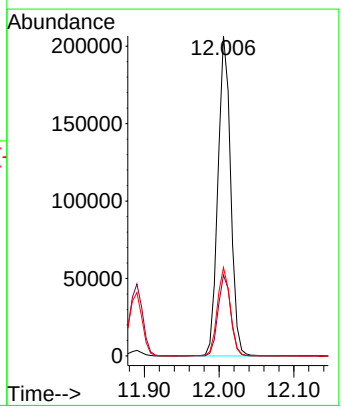


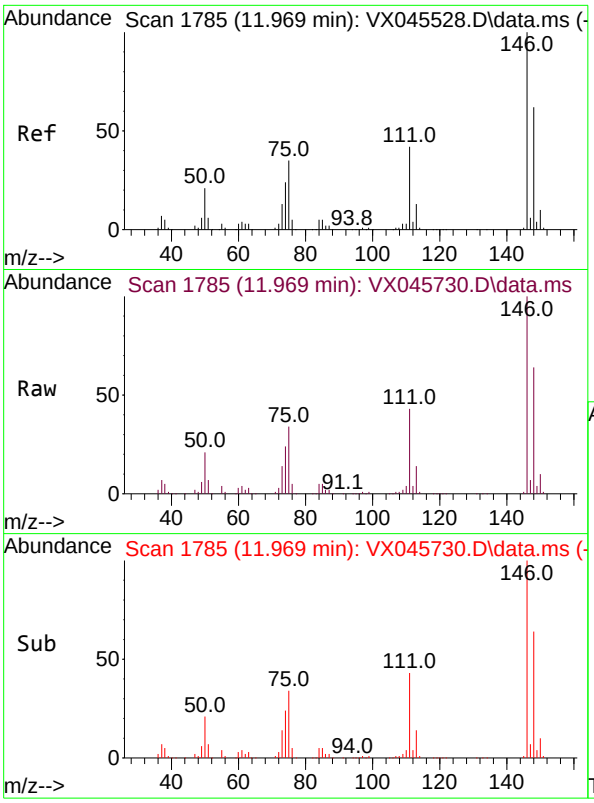


#86
p-Isopropyltoluene
Concen: 51.391 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:119 Resp: 243819

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	27.7	13.7	41.1



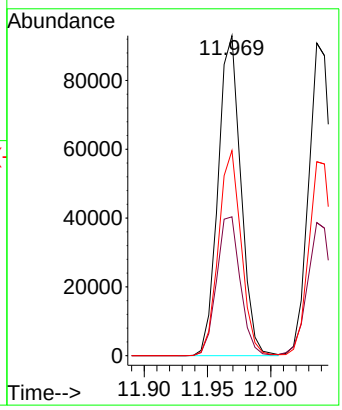


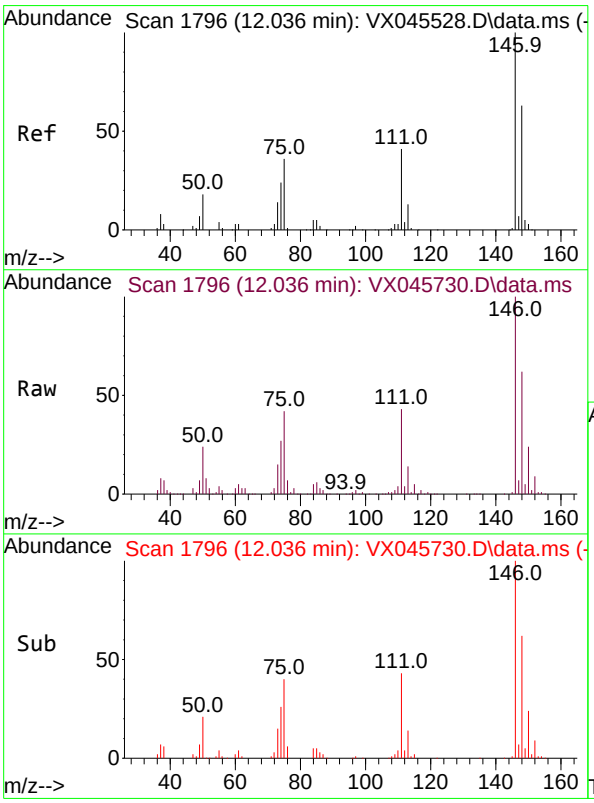
#87
1,3-Dichlorobenzene
Concen: 48.364 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 116417

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	63.8	31.9	95.7

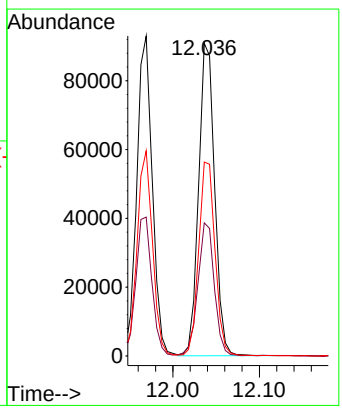


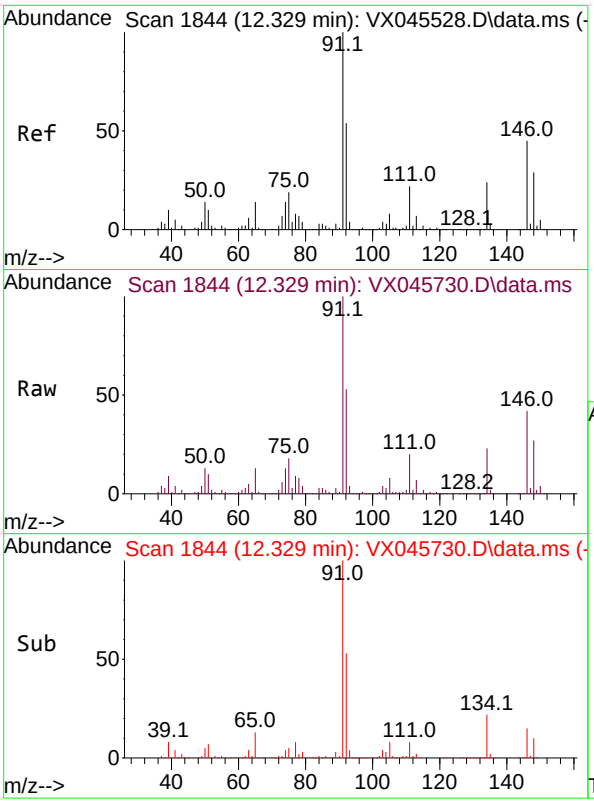


#88
1,4-Dichlorobenzene
Concen: 47.866 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 116806

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	63.3	31.5	94.5



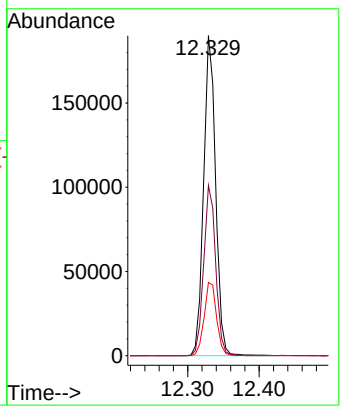


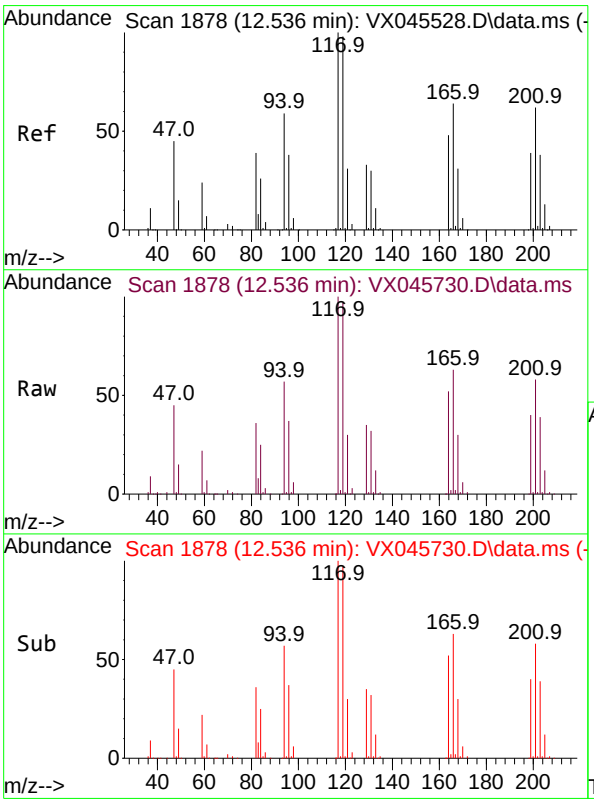
#89
n-Butylbenzene
Concen: 53.822 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 221431

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.8	11.9	35.7

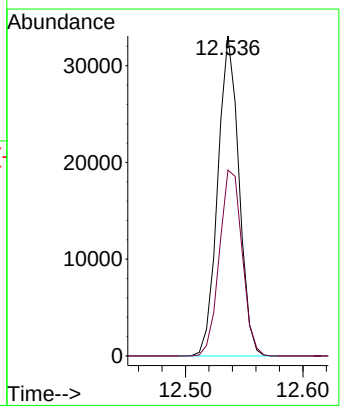


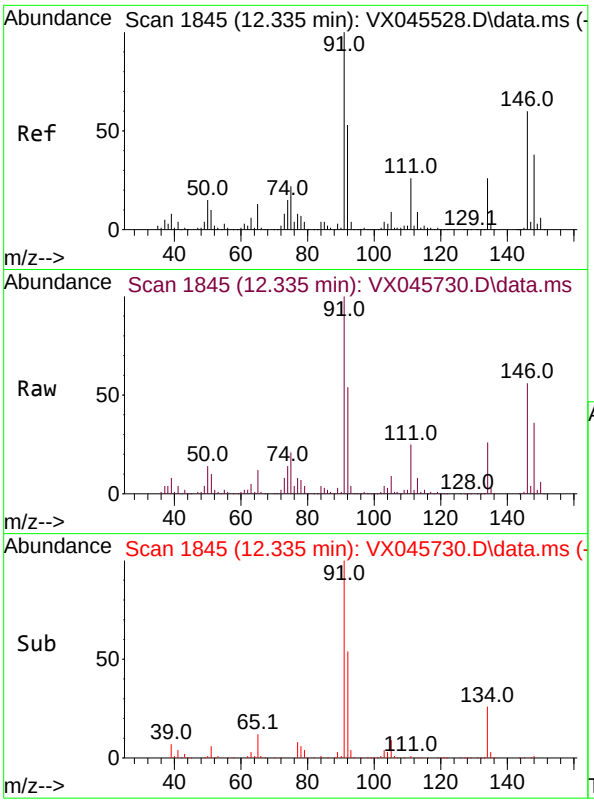


#90
Hexachloroethane
Concen: 50.695 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 41335

Ion	Ratio	Lower	Upper
117	100		
201	62.5	31.2	93.6



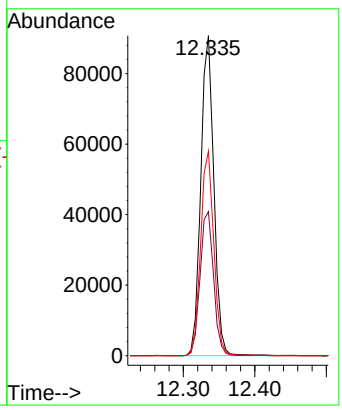


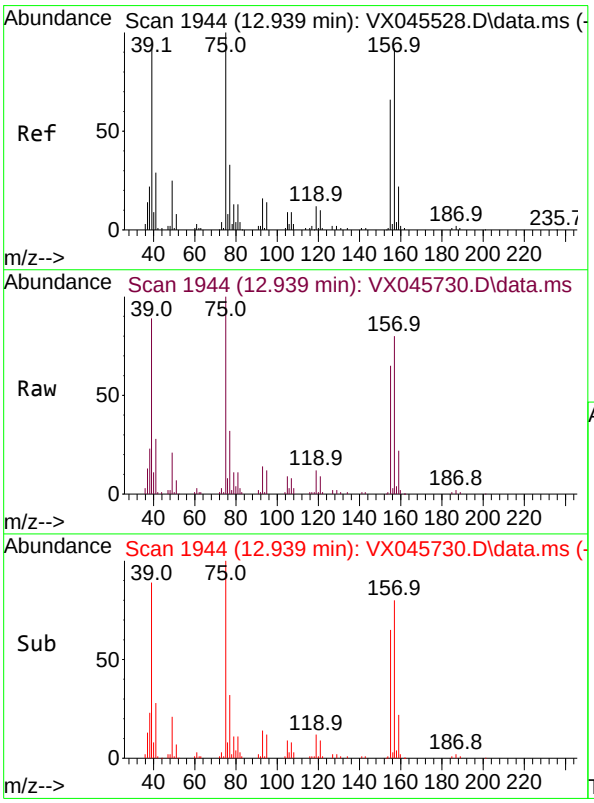
#91
1,2-Dichlorobenzene
Concen: 48.079 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 115059

Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.8
148	64.5	31.9	95.5

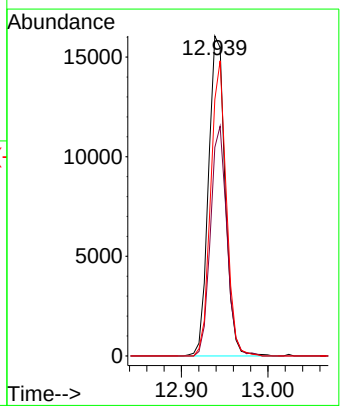


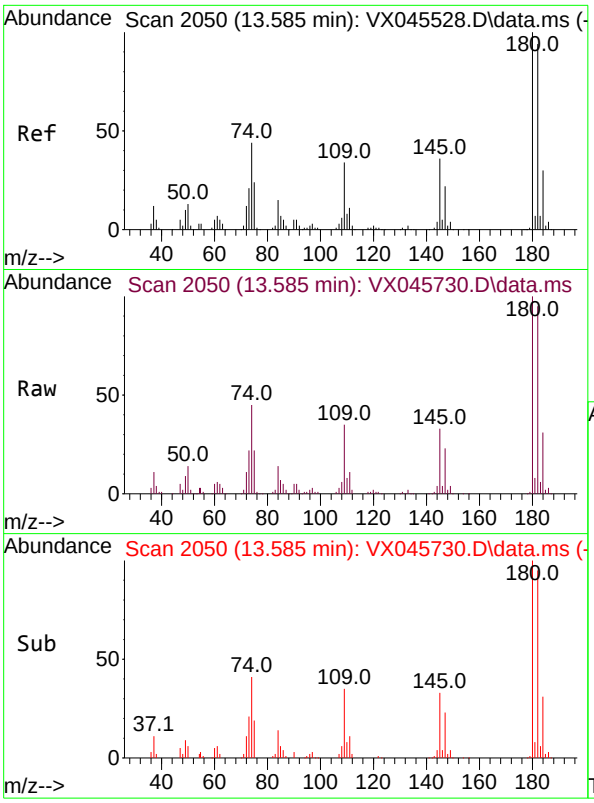


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.215 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 21534

Ion	Ratio	Lower	Upper
75	100		
155	70.1	34.9	104.7
157	86.5	44.9	134.7



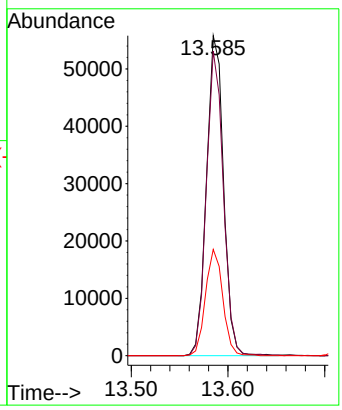


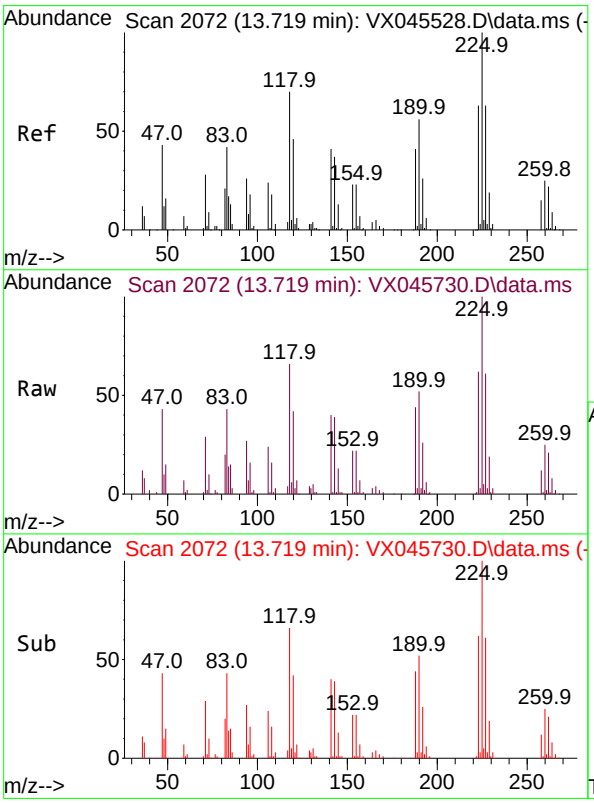
#93
1,2,4-Trichlorobenzene
Concen: 51.329 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 68376

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.7	17.9	53.8

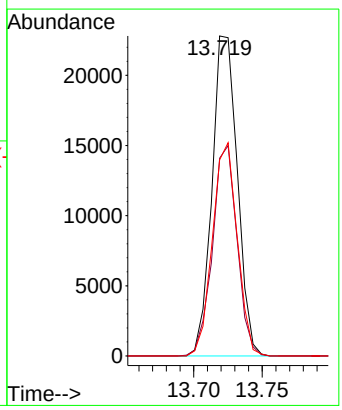


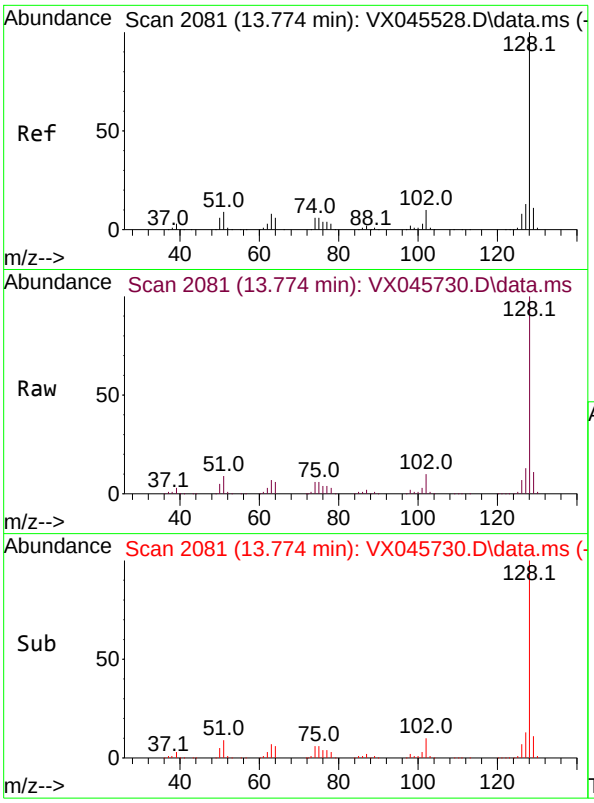


#94
Hexachlorobutadiene
Concen: 51.144 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:225 Resp: 29358

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	65.0	32.2	96.6



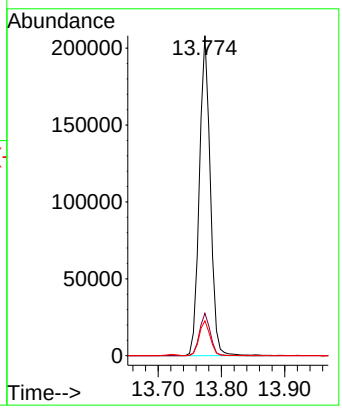


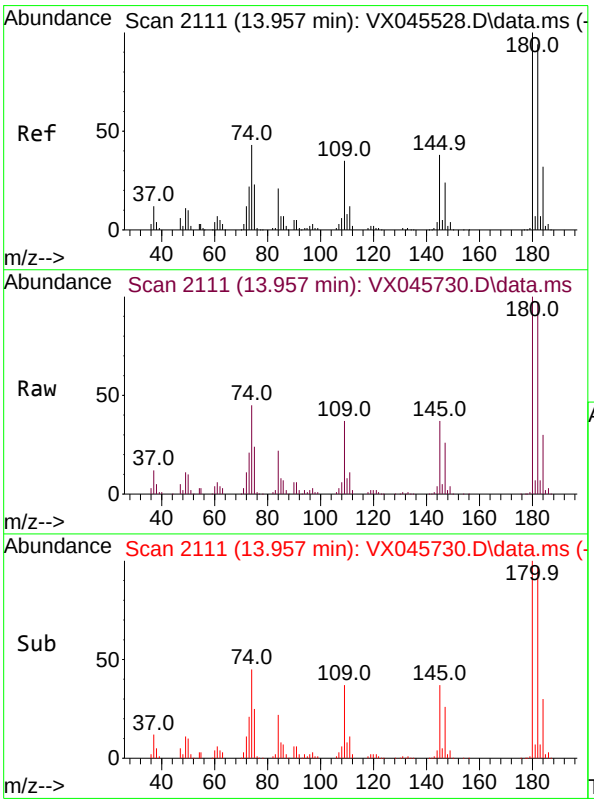
#95
Naphthalene
Concen: 50.677 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 251217

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8

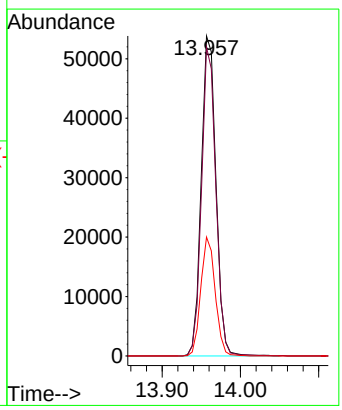




#96
1,2,3-Trichlorobenzene
Concen: 50.247 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:180 Resp: 70089

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	36.4	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85438	50.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	5.379	113	58904	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	199568	49.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	74766	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	26280	18.989	ug/l	99
3) Chloromethane	1.301	50	25029	17.604	ug/l	97
4) Vinyl Chloride	1.374	62	22732	17.471	ug/l	98
5) Bromomethane	1.593	94	10370	16.809	ug/l	97
6) Chloroethane	1.666	64	13051	18.906	ug/l	98
7) Trichlorofluoromethane	1.874	101	35608	18.352	ug/l	98
8) Diethyl Ether	2.130	74	11886	18.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21099	18.558	ug/l	99
10) Methyl Iodide	2.447	142	22864	16.123	ug/l	96
11) Tert butyl alcohol	2.977	59	22092	97.136	ug/l	100
12) 1,1-Dichloroethene	2.307	96	19635	17.674	ug/l	98
13) Acrolein	2.233	56	28468	90.896	ug/l	99
14) Allyl chloride	2.654	41	38178	18.112	ug/l	98
15) Acrylonitrile	3.063	53	66646	92.831	ug/l	99
16) Acetone	2.386	43	63606	91.531	ug/l	95
17) Carbon Disulfide	2.502	76	39067	14.238	ug/l	98
18) Methyl Acetate	2.703	43	33915	21.198	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72300	18.604	ug/l	99
20) Methylene Chloride	2.782	84	23691	18.210	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20427	17.998	ug/l	97
22) Diisopropyl ether	3.764	45	77857	18.751	ug/l	93
23) Vinyl Acetate	3.721	43	331007	92.267	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42626	18.152	ug/l	98
25) 2-Butanone	4.556	43	97238	95.593	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30907	20.371	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24956	18.048	ug/l	97
28) Bromochloromethane	4.891	49	27754	24.458	ug/l	99
29) Tetrahydrofuran	5.007	42	61195	92.791	ug/l	99
30) Chloroform	5.087	83	44128	18.263	ug/l	96
31) Cyclohexane	5.458	56	35674	17.184	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37994	18.583	ug/l	100
36) 1,1-Dichloropropene	5.684	75	27539	17.539	ug/l	99
37) Ethyl Acetate	4.715	43	35996	18.192	ug/l	100
38) Carbon Tetrachloride	5.672	117	31597	18.620	ug/l	98
39) Methylcyclohexane	7.379	83	34358	17.851	ug/l	96
40) Benzene	6.031	78	86923	18.126	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19757	18.924	ug/l		98
42) 1,2-Dichloroethane	6.086	62	38345	19.360	ug/l		100
43) Isopropyl Acetate	6.342	43	56572	18.864	ug/l		99
44) Trichloroethene	7.123	130	20087	17.624	ug/l		89
45) 1,2-Dichloropropane	7.428	63	22348	18.678	ug/l		92
46) Dibromomethane	7.580	93	17027	18.538	ug/l		98
47) Bromodichloromethane	7.818	83	33605	18.321	ug/l		99
48) Methyl methacrylate	7.696	41	29328	18.940	ug/l		99
49) 1,4-Dioxane	7.659	88	11671	416.596	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	195382	98.277	ug/l		100
52) Toluene	8.714	92	52911	18.235	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	28172	17.529	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32748	18.999	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	21867	18.911	ug/l		94
56) Ethyl methacrylate	9.116	69	34930	19.520	ug/l		99
57) 1,3-Dichloropropane	9.305	76	39057	19.398	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93610	103.408	ug/l		100
59) 2-Hexanone	9.427	43	148152	100.631	ug/l		98
60) Dibromochloromethane	9.519	129	23294	18.479	ug/l		98
61) 1,2-Dibromoethane	9.610	107	21821	18.642	ug/l		100
64) Tetrachloroethene	9.269	164	19066	19.167	ug/l		98
65) Chlorobenzene	10.073	112	57085	18.962	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19355	18.518	ug/l		98
67) Ethyl Benzene	10.189	91	102213	18.957	ug/l		98
68) m/p-Xylenes	10.299	106	73917	37.692	ug/l		97
69) o-Xylene	10.640	106	36919	19.111	ug/l		95
70) Styrene	10.653	104	61692	19.348	ug/l		98
71) Bromoform	10.799	173	13988	17.924	ug/l	#	97
73) Isopropylbenzene	10.957	105	98461	18.994	ug/l		99
74) N-amyl acetate	10.842	43	49056	19.784	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35200	19.330	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	37335	23.651	ug/l		89
77) Bromobenzene	11.195	156	22387	18.691	ug/l		97
78) n-propylbenzene	11.299	91	114109	19.111	ug/l		98
79) 2-Chlorotoluene	11.360	91	72587	19.016	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82627	19.276	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8026	17.256	ug/l		93
82) 4-Chlorotoluene	11.451	91	80441	18.901	ug/l		99
83) tert-Butylbenzene	11.713	119	81916	19.303	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	83790	19.476	ug/l		99
85) sec-Butylbenzene	11.890	105	100614	19.303	ug/l		100
86) p-Isopropyltoluene	12.006	119	82019	19.086	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41097	18.850	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	42067	19.032	ug/l		98
89) n-Butylbenzene	12.329	91	69149	18.556	ug/l		99
90) Hexachloroethane	12.536	117	13478	18.250	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41989	19.371	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7494	19.678	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22029	18.258	ug/l		98
94) Hexachlorobutadiene	13.725	225	9827	18.901	ug/l		98
95) Naphthalene	13.774	128	86221	19.203	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23835	18.866	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

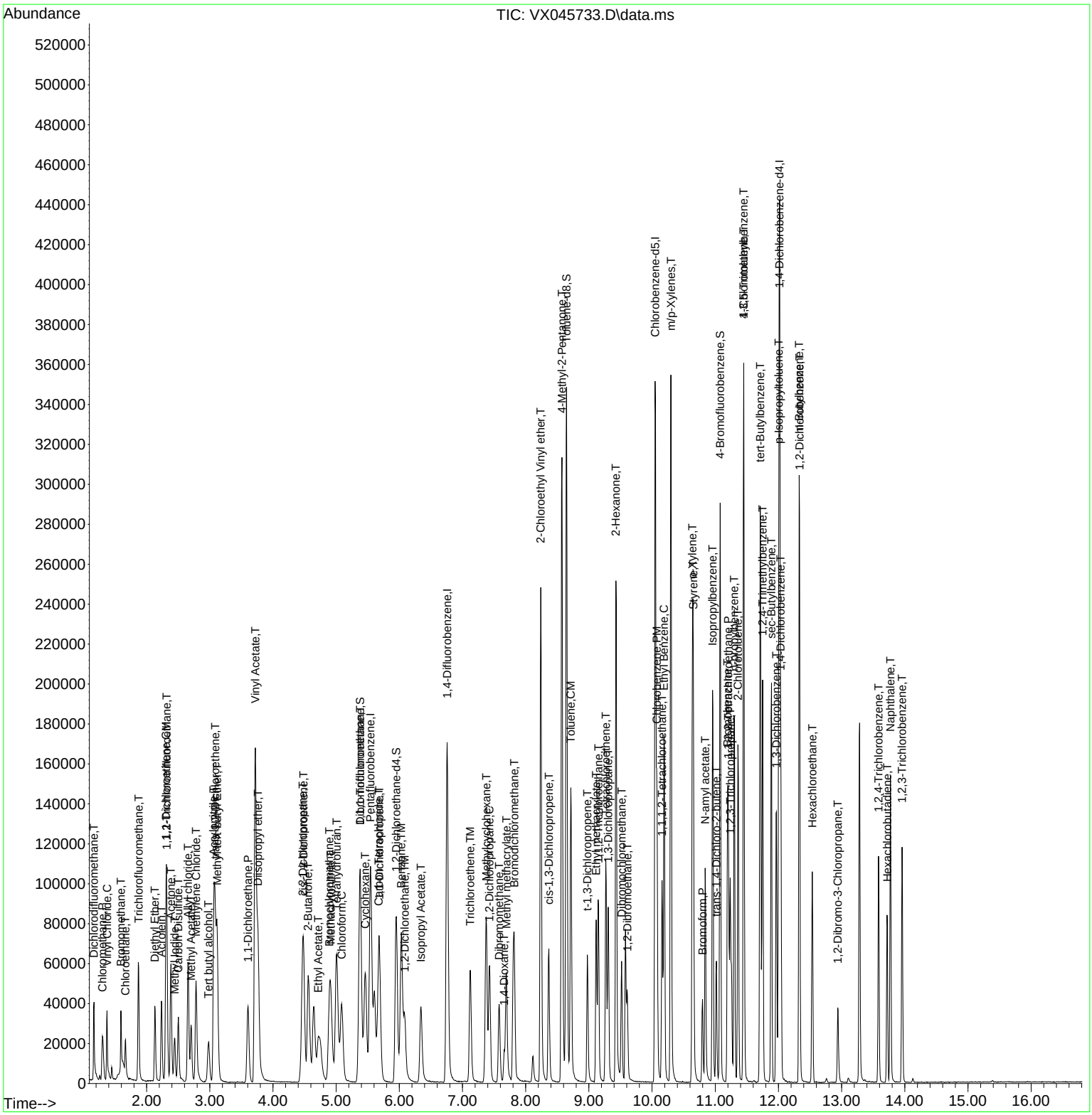
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

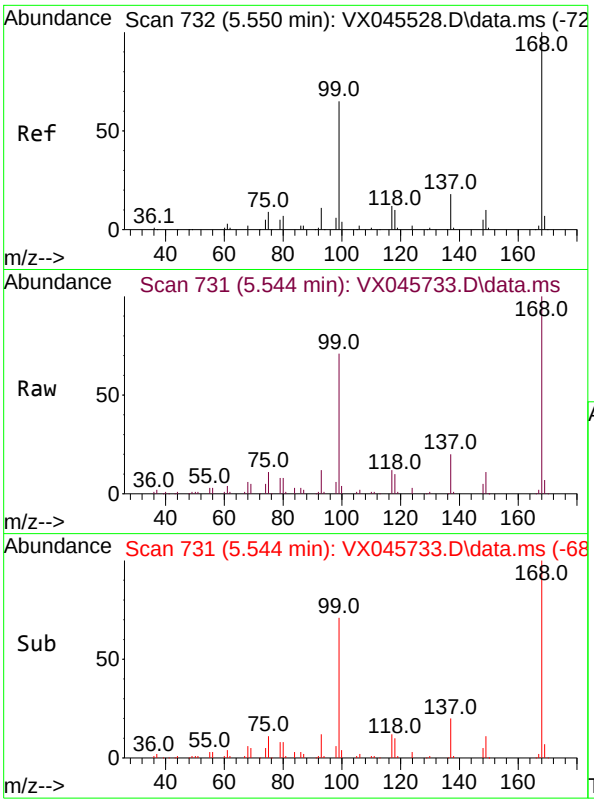
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



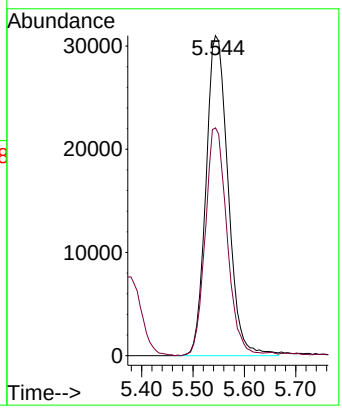


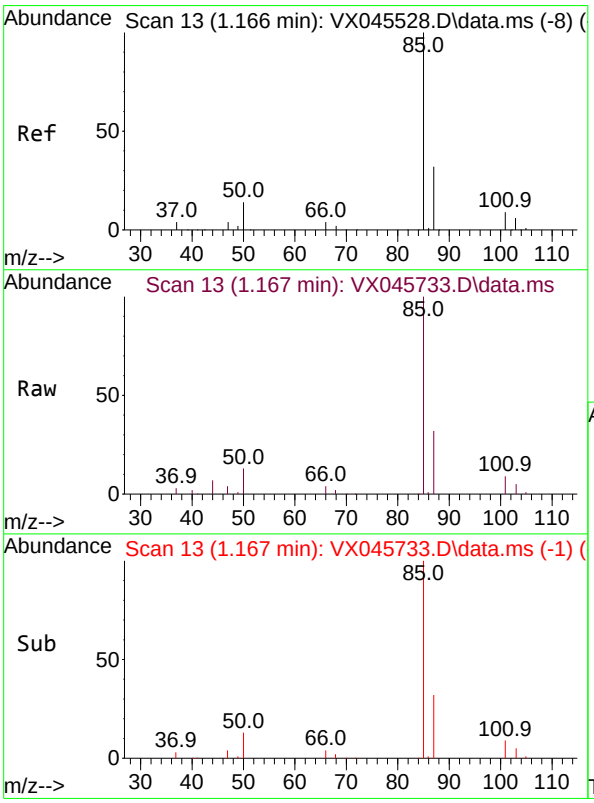
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:168 Resp: 92540

Ion	Ratio	Lower	Upper
168	100		
99	71.0	52.3	78.5

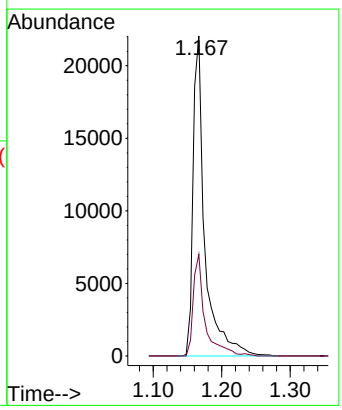


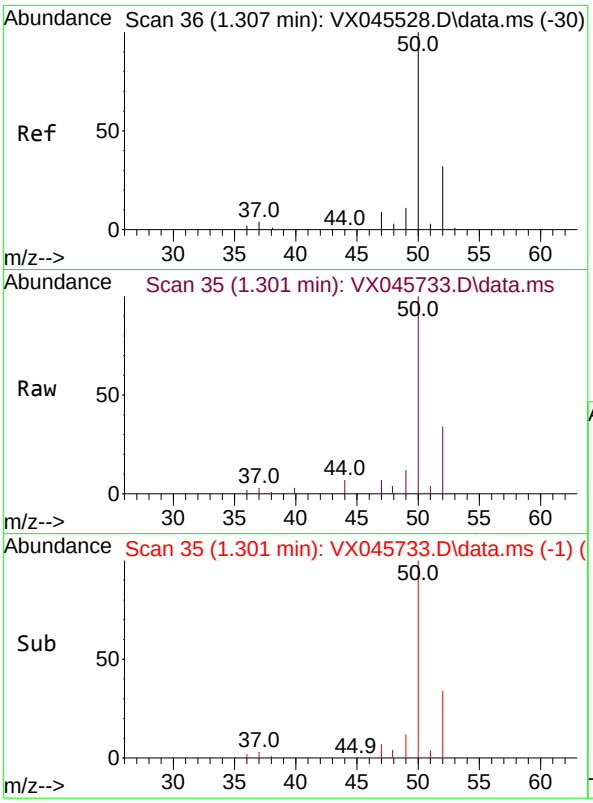


#2
Dichlorodifluoromethane
Concen: 18.989 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 85 Resp: 26280

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.1	48.2



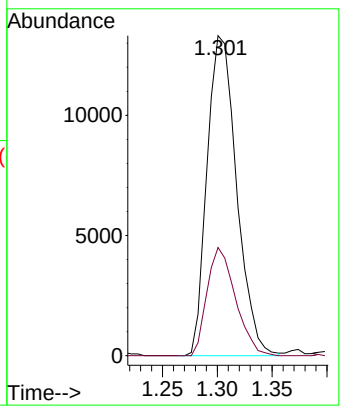


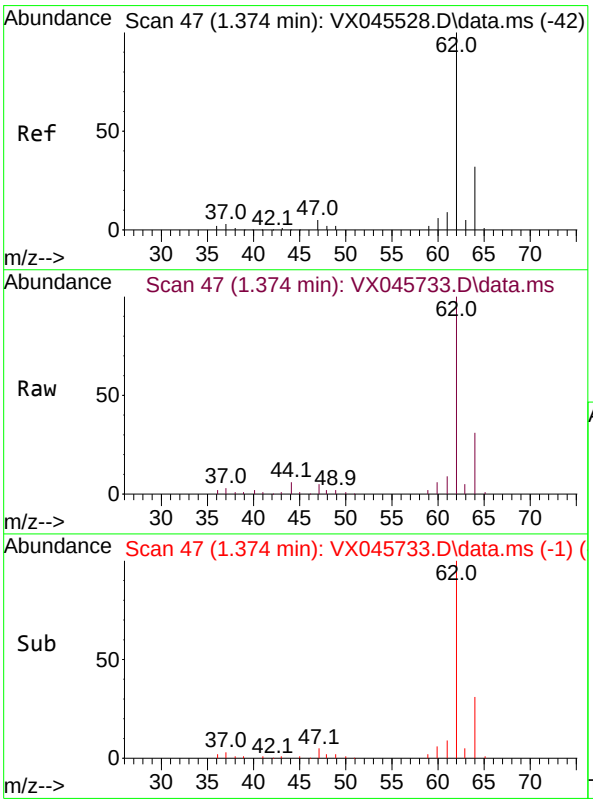
#3
Chloromethane
Concen: 17.604 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 50 Resp: 25029

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9

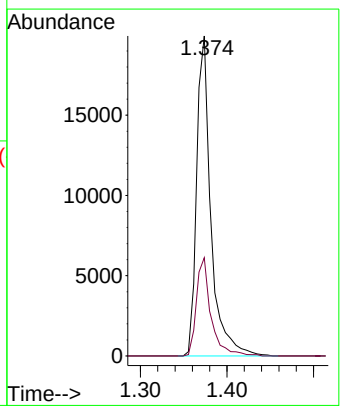


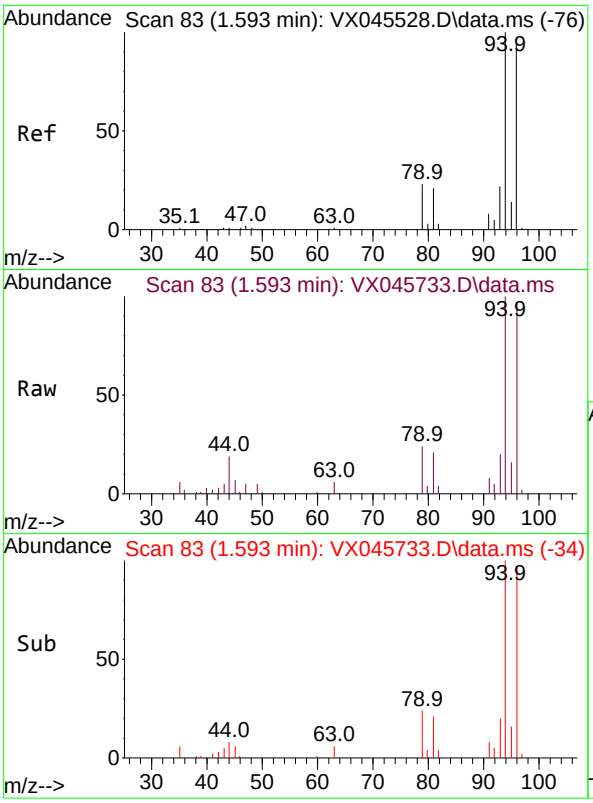


#4
Vinyl Chloride
Concen: 17.471 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 22732

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3



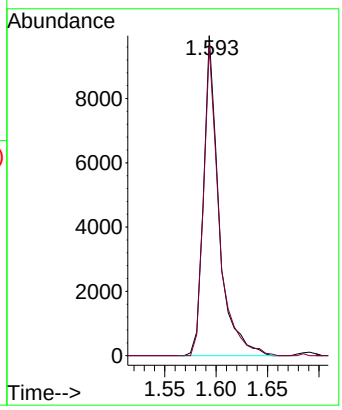


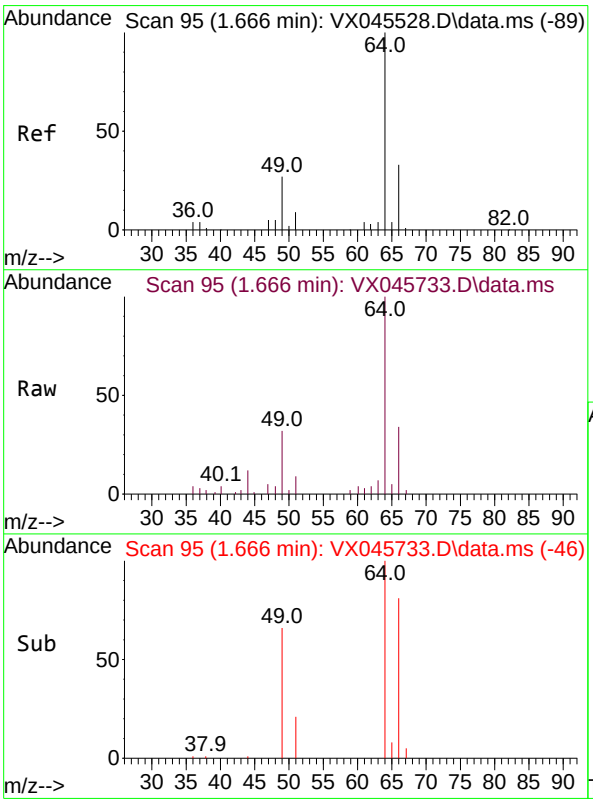
#5
Bromomethane
Concen: 16.809 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 94 Resp: 10370

Ion	Ratio	Lower	Upper
94	100		
96	96.7	74.8	112.2

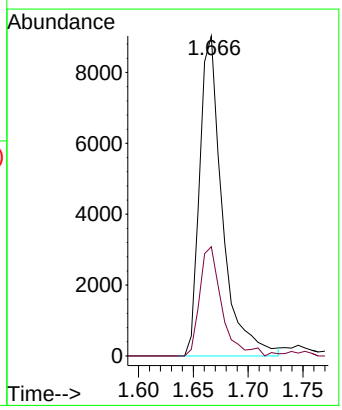


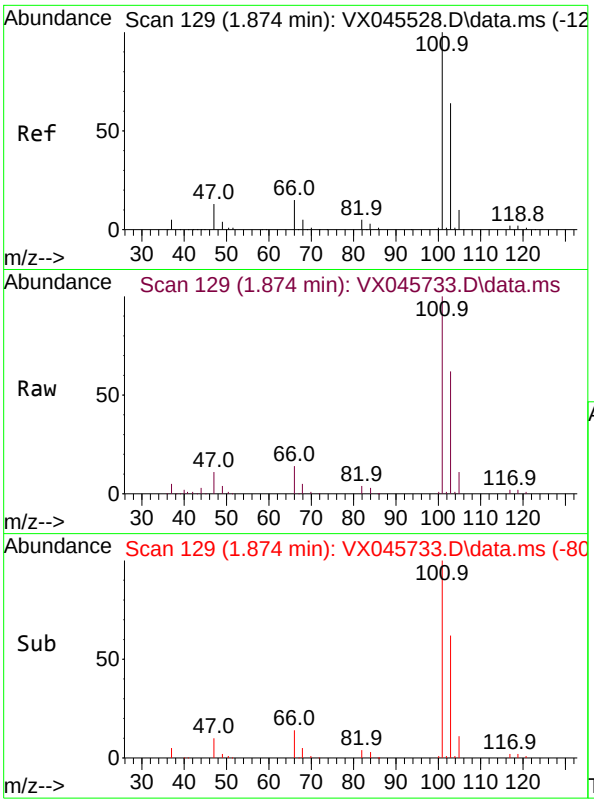


#6
Chloroethane
Concen: 18.906 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 64 Resp: 13051

Ion	Ratio	Lower	Upper
64	100		
66	34.1	26.3	39.5



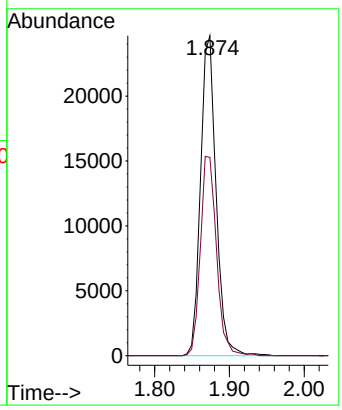


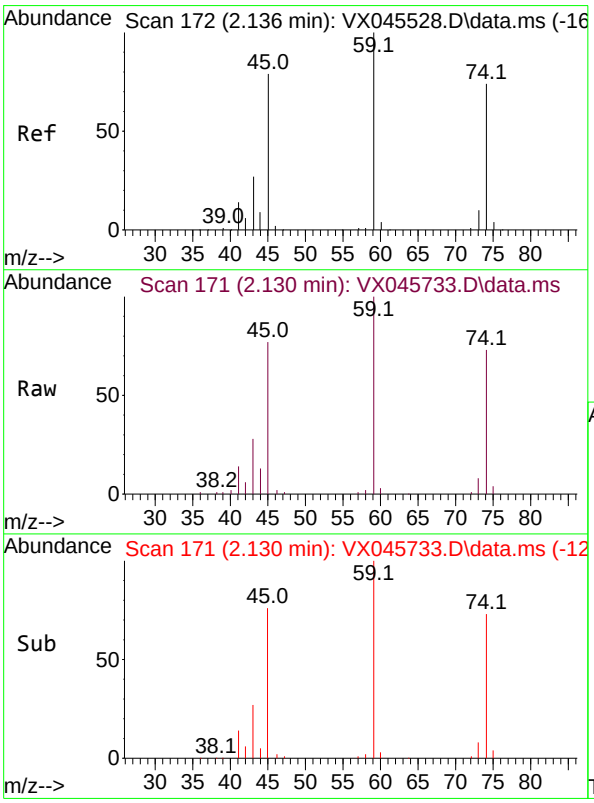
#7
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:101 Resp: 35608

Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.1	76.7

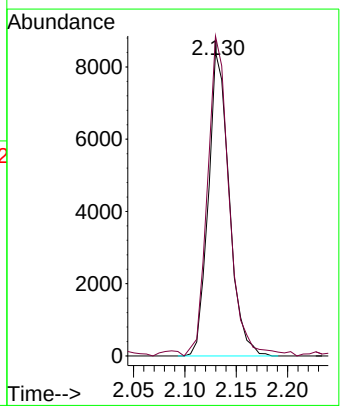


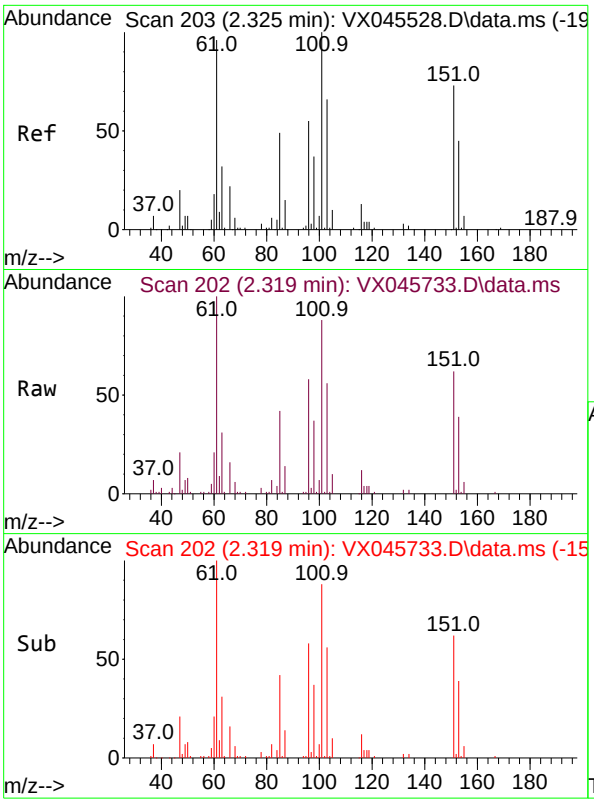


#8
Diethyl Ether
Concen: 18.247 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 74 Resp: 11886

Ion	Ratio	Lower	Upper
74	100		
45	109.2	53.0	159.1



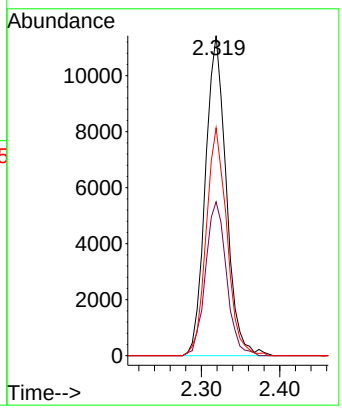


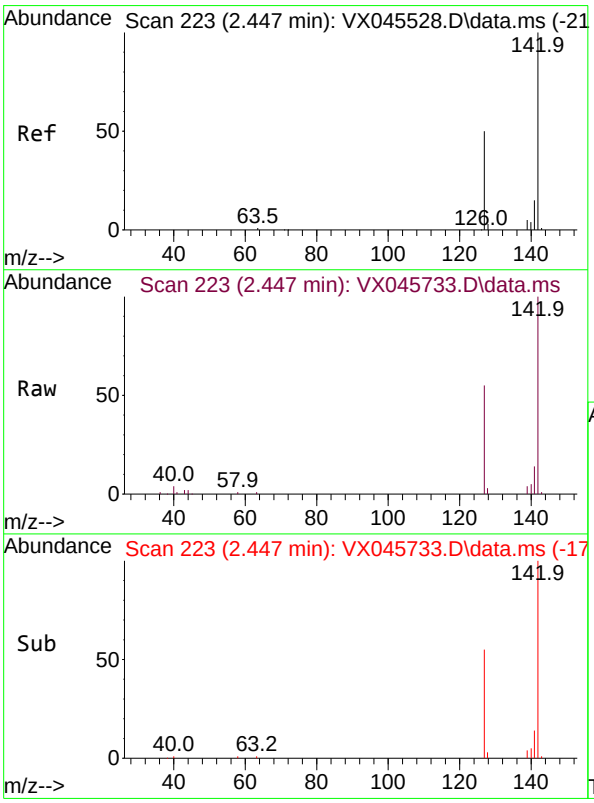
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.558 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:101 Resp: 21099

Ion	Ratio	Lower	Upper
101	100		
85	48.5	38.9	58.3
151	70.6	57.5	86.3

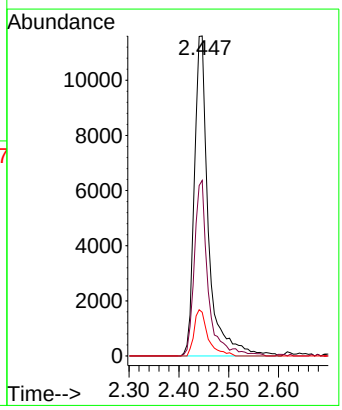


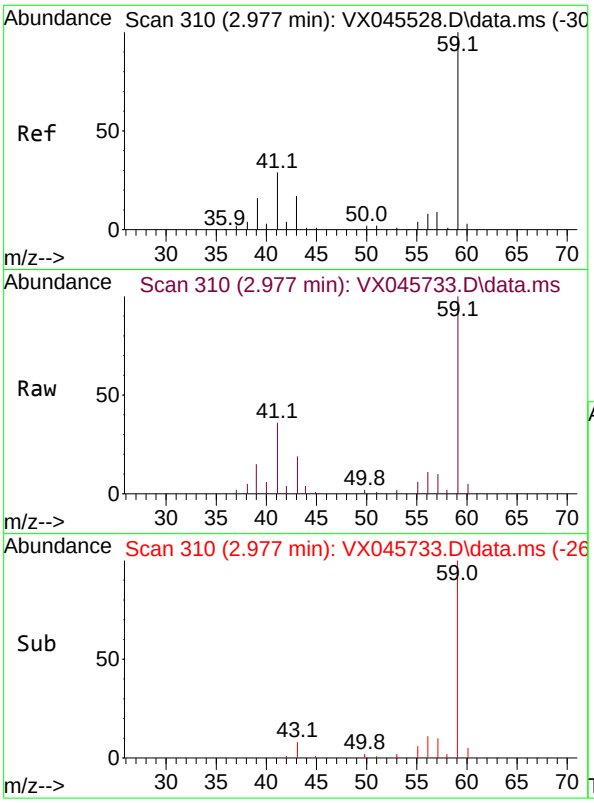


#10
Methyl Iodide
Concen: 16.123 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:142 Resp: 22864

Ion	Ratio	Lower	Upper
142	100		
127	53.7	40.2	60.4
141	14.1	11.7	17.5



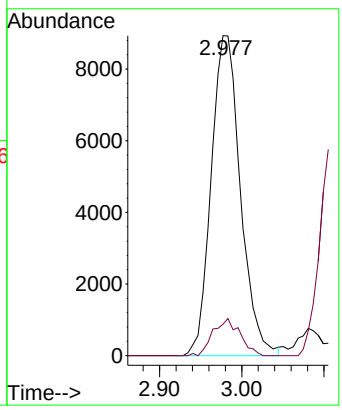


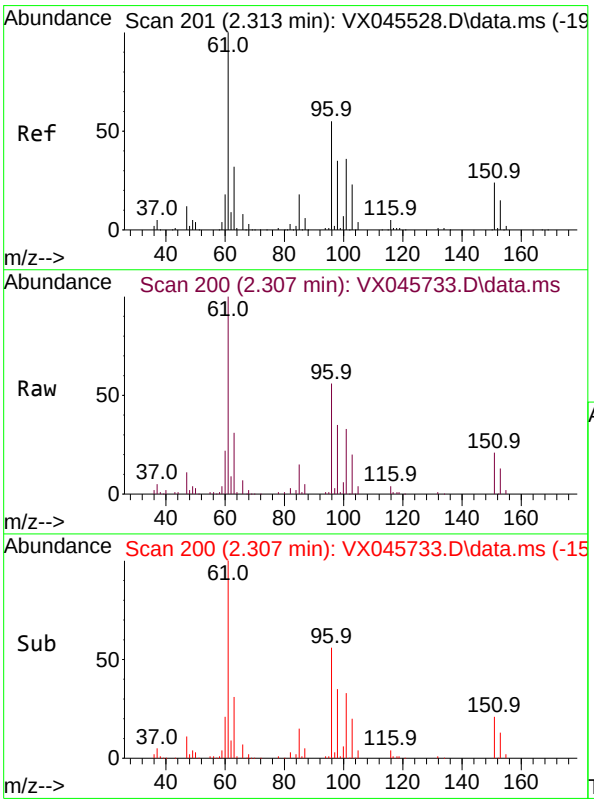
#11
Tert butyl alcohol
Concen: 97.136 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 59 Resp: 22092

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

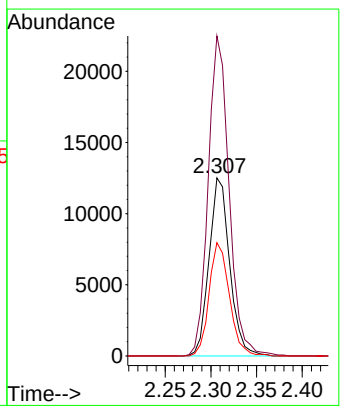


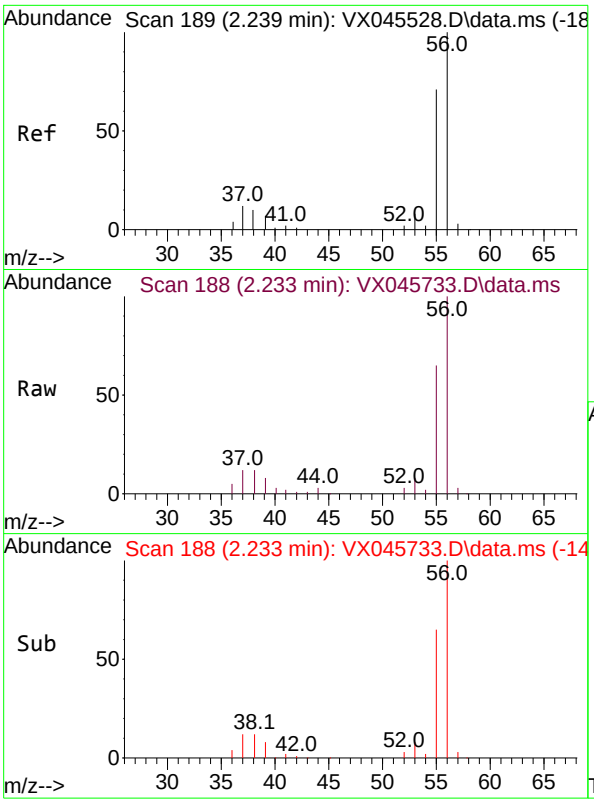


#12
1,1-Dichloroethene
Concen: 17.674 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 19635

Ion	Ratio	Lower	Upper
96	100		
61	179.8	145.7	218.5
98	63.6	51.6	77.4



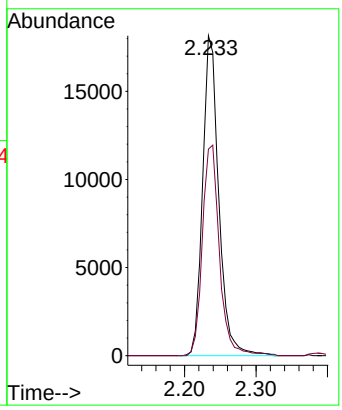


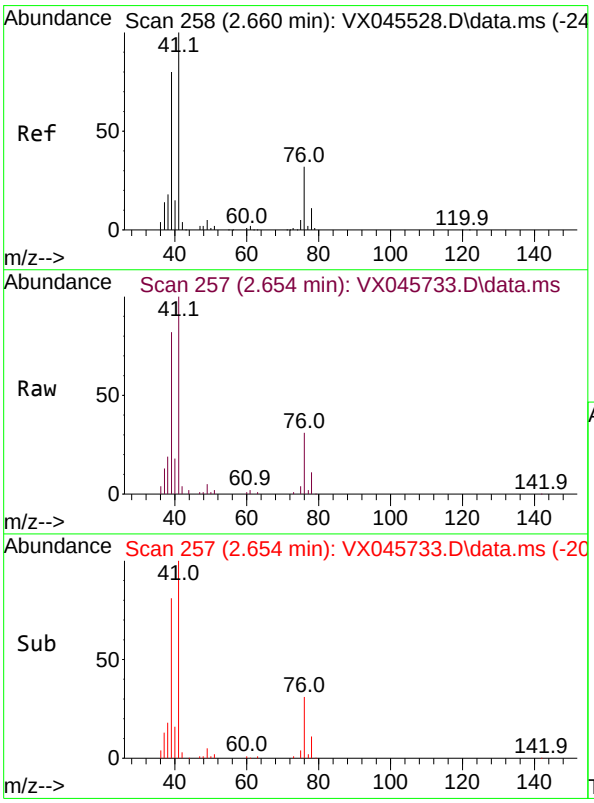
#13
Acrolein
Concen: 90.896 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 56 Resp: 28468

Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.2

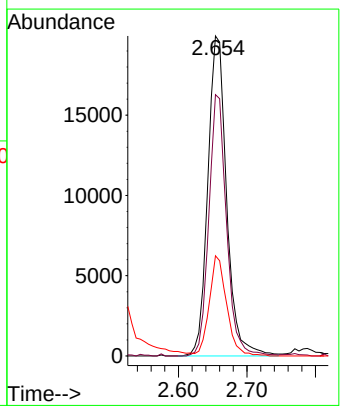


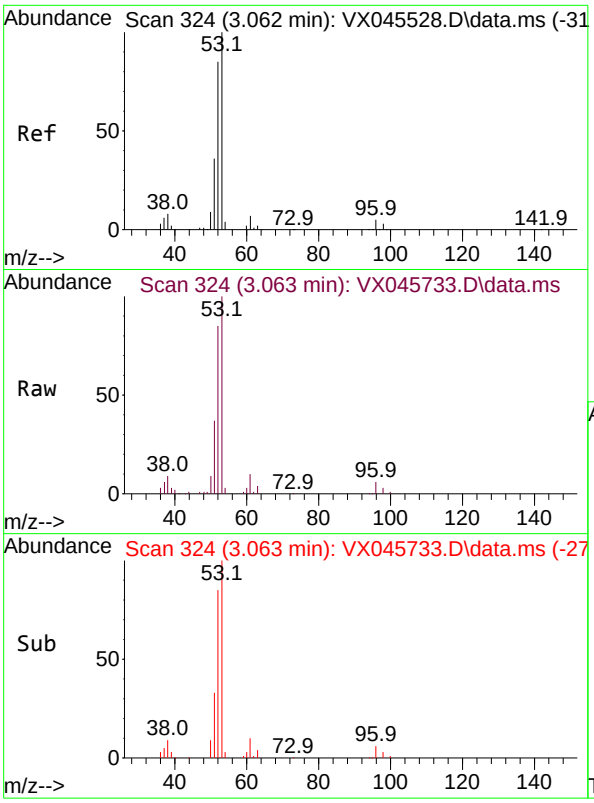


#14
Allyl chloride
Concen: 18.112 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 38178

Ion	Ratio	Lower	Upper
41	100		
39	76.7	60.2	90.2
76	28.9	24.6	36.8



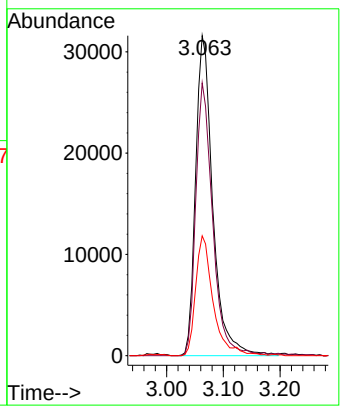


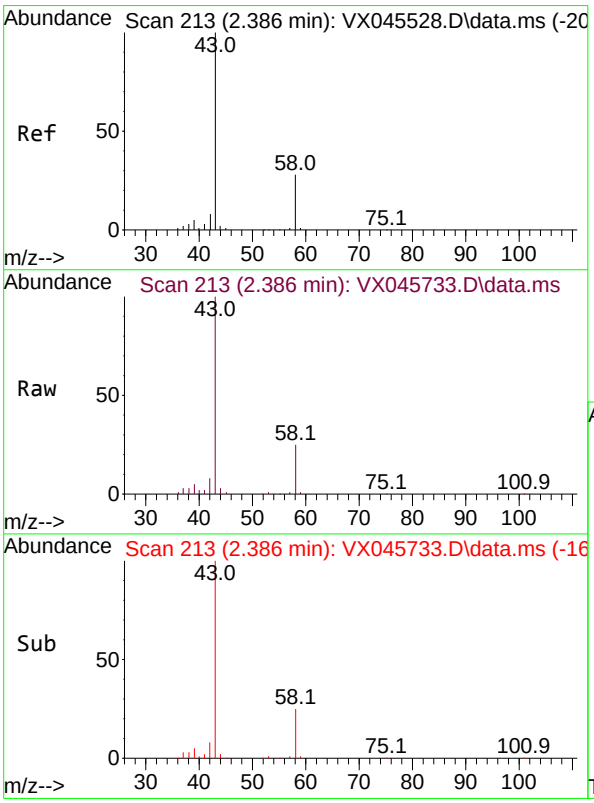
#15
Acrylonitrile
Concen: 92.831 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 53 Resp: 66646

Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	38.1	29.9	44.9

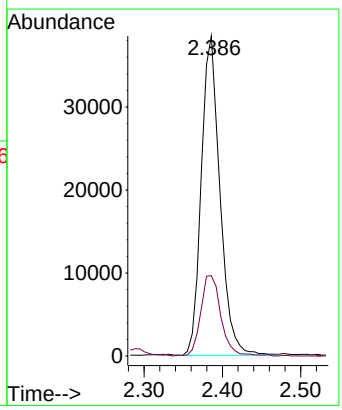


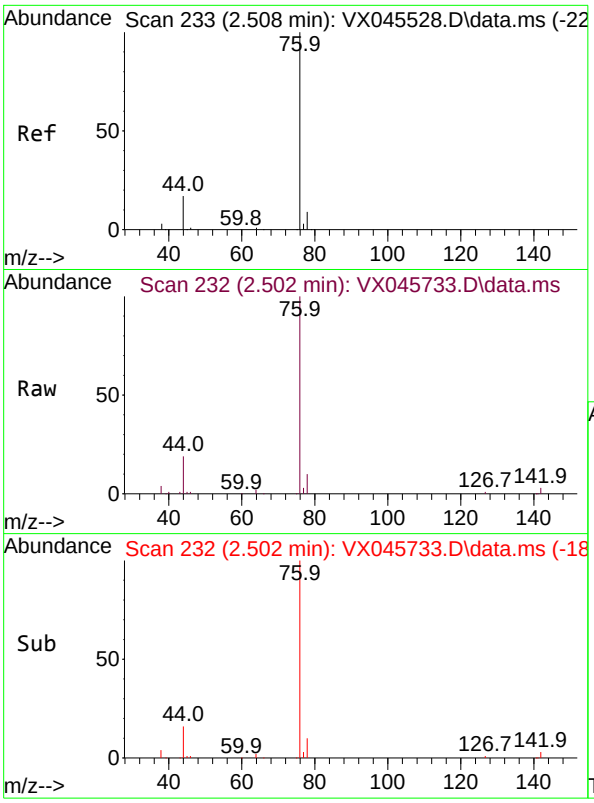


#16
Acetone
Concen: 91.531 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 63606

Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.3	33.5



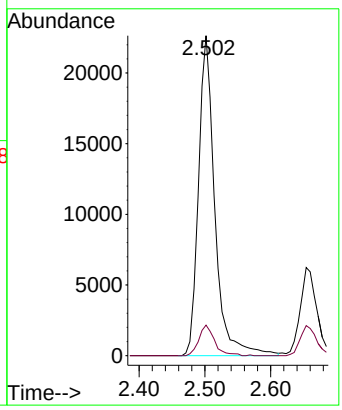


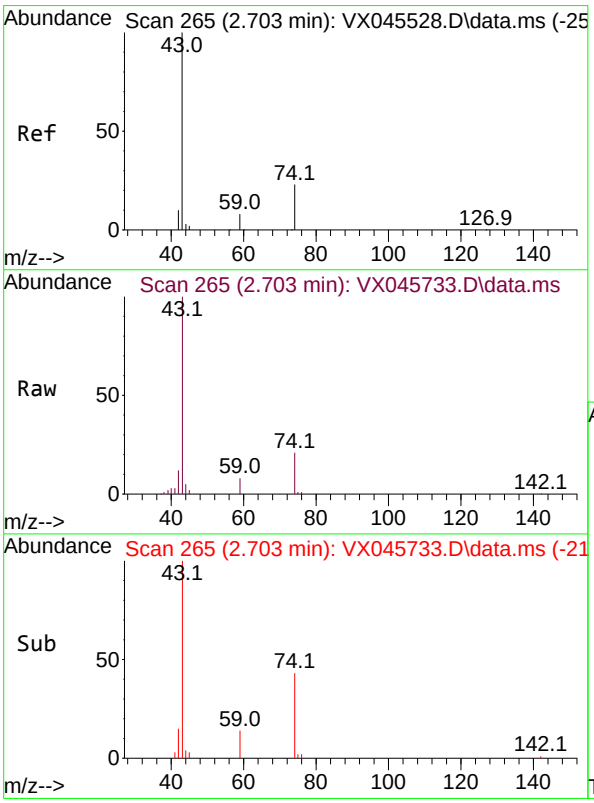
#17
Carbon Disulfide
Concen: 14.238 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 76 Resp: 39067

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

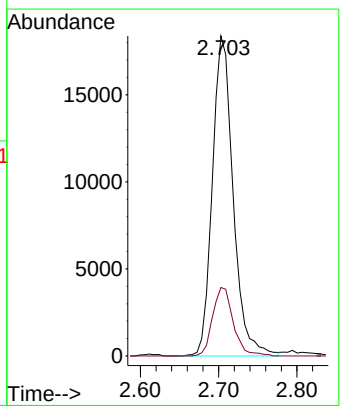


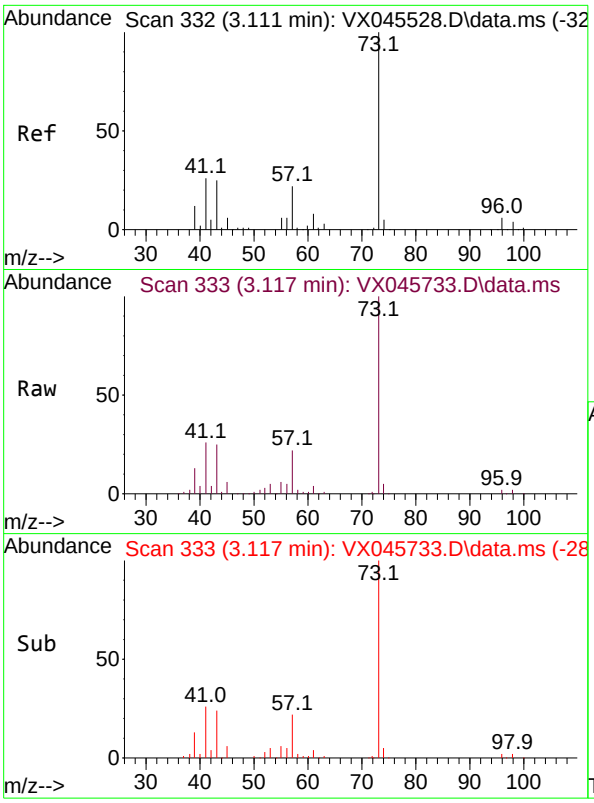


#18
Methyl Acetate
Concen: 21.198 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 33915

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3



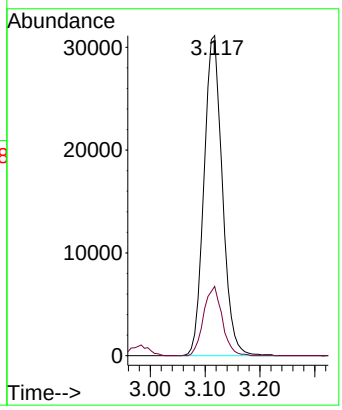


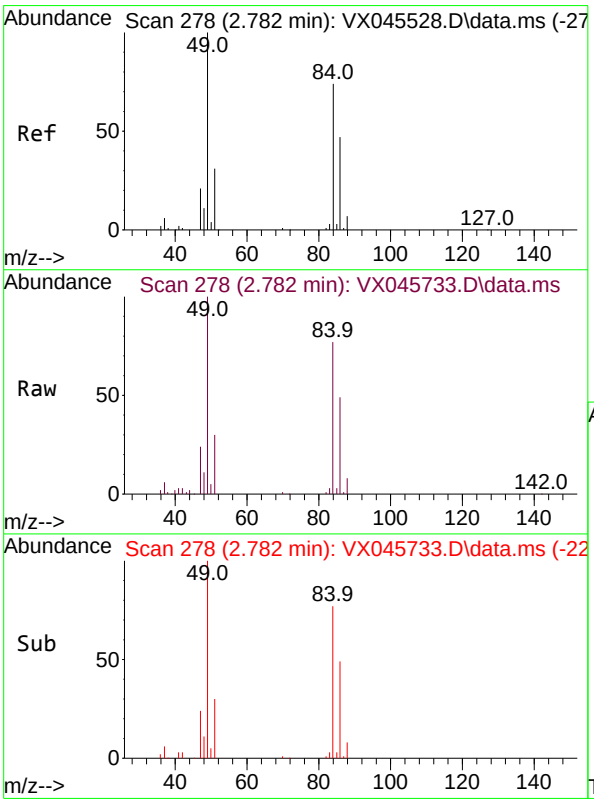
#19
Methyl tert-butyl Ether
Concen: 18.604 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 73 Resp: 72300

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

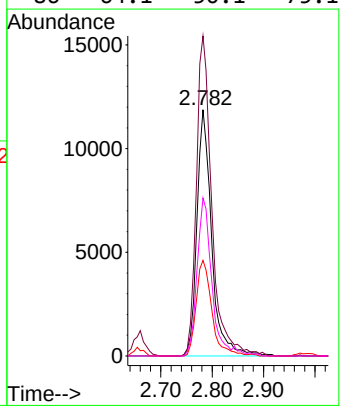


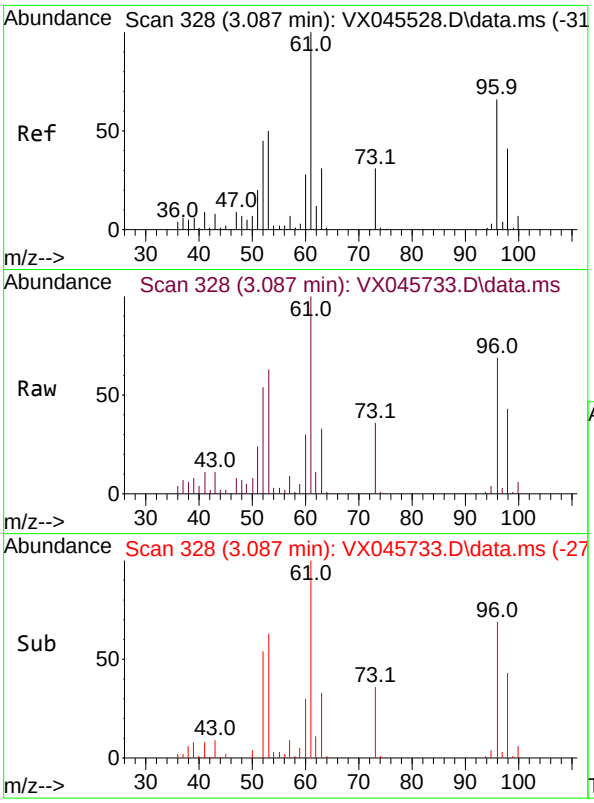


#20
Methylene Chloride
Concen: 18.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 84 Resp: 23691

Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.5	161.3
51	38.8	33.0	49.6
86	64.1	50.1	75.1



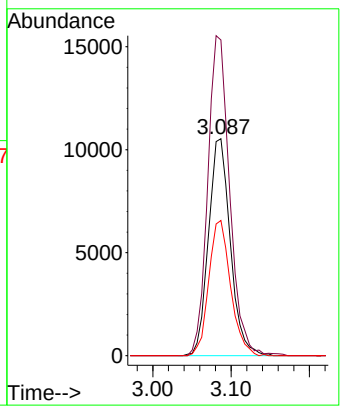


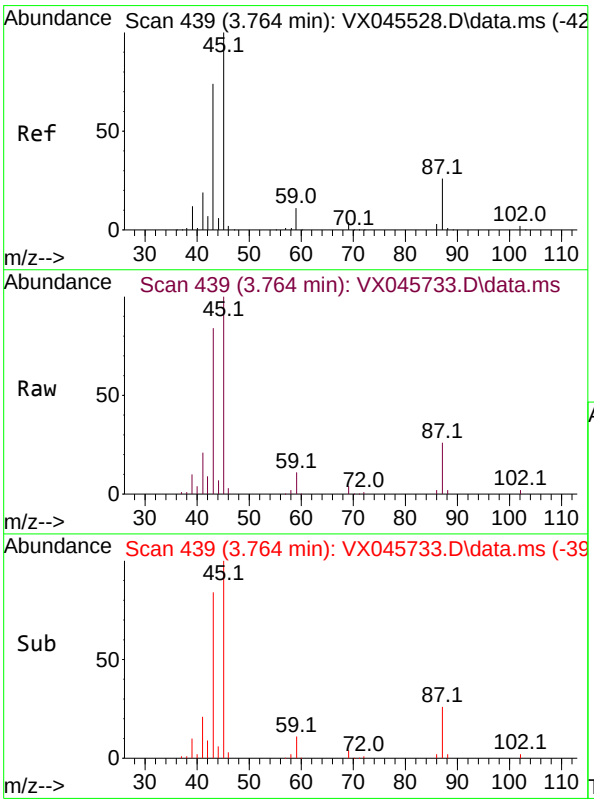
#21
trans-1,2-Dichloroethene
Concen: 17.998 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 96 Resp: 20427

Ion	Ratio	Lower	Upper
96	100		
61	145.4	121.0	181.6
98	62.3	49.7	74.5

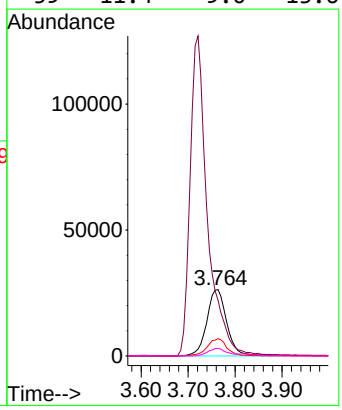


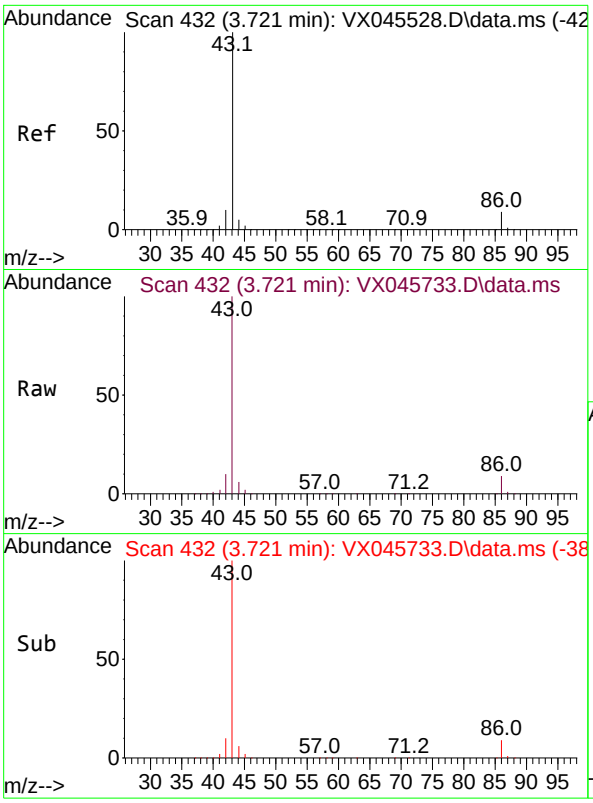


#22
Diisopropyl ether
Concen: 18.751 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 45 Resp: 77857

Ion	Ratio	Lower	Upper
45	100		
43	82.9	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6



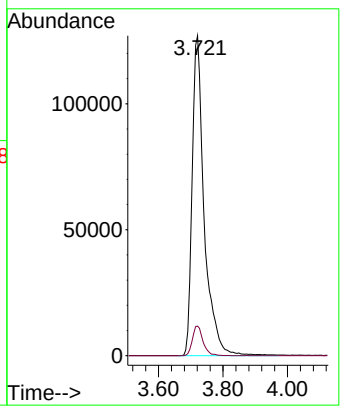


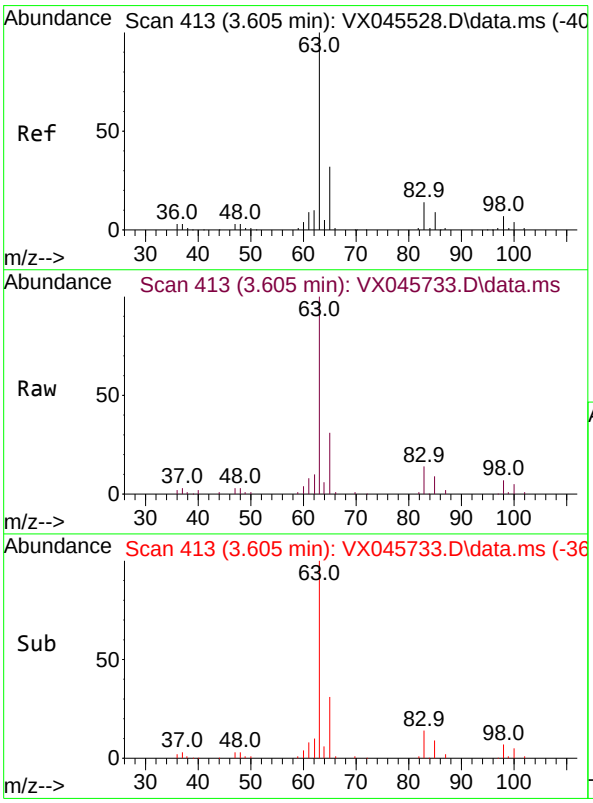
#23
Vinyl Acetate
Concen: 92.267 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 331007

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

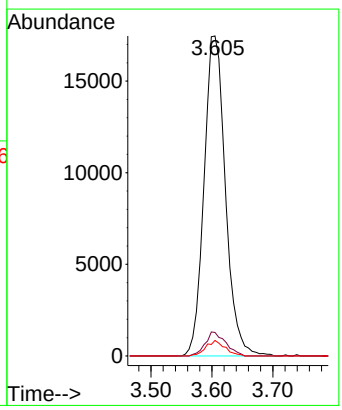


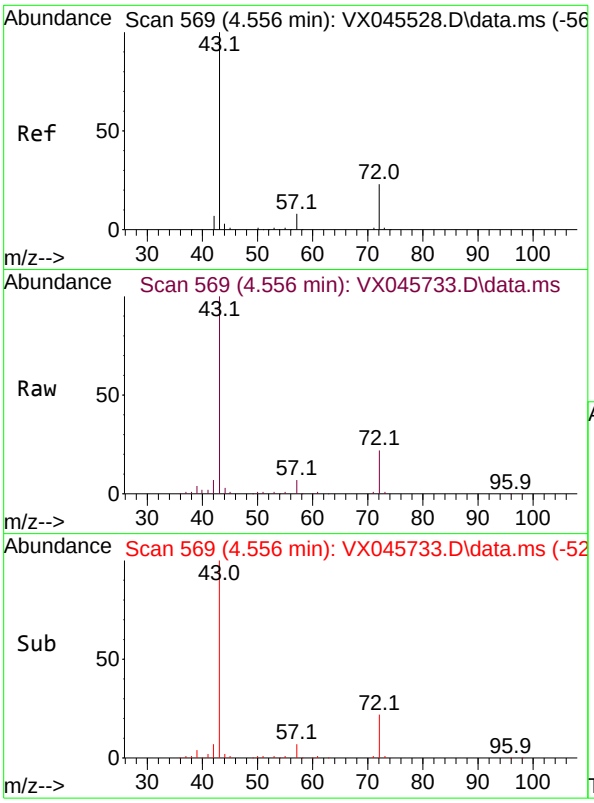


#24
1,1-Dichloroethane
Concen: 18.152 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 42626

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.9	2.2	6.6



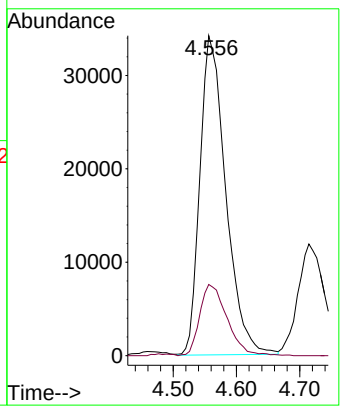


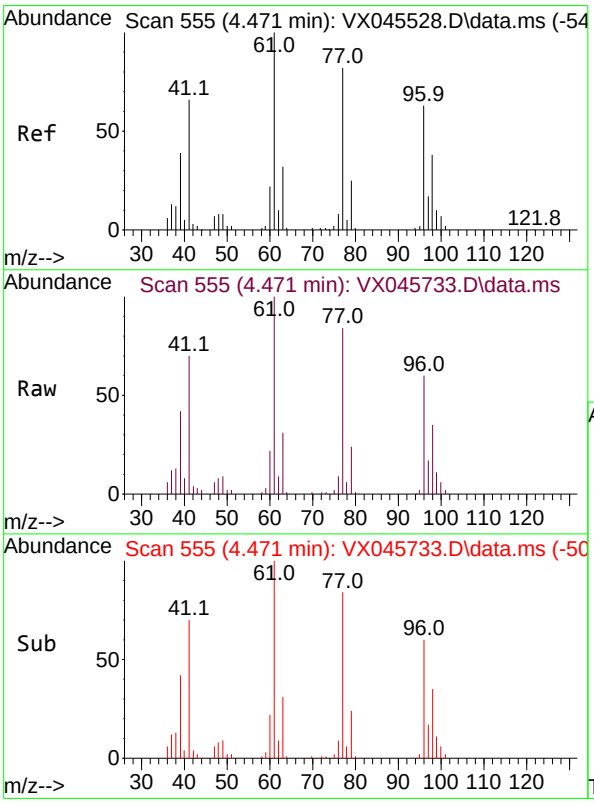
#25
2-Butanone
Concen: 95.593 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 97238

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0

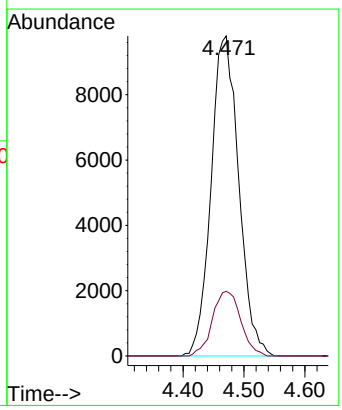


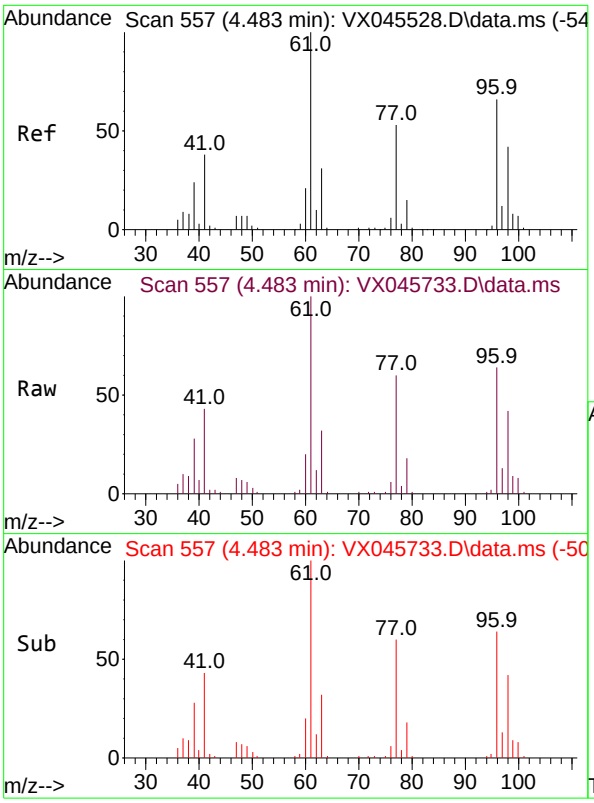


#26
2,2-Dichloropropane
Concen: 20.371 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 77 Resp: 30907

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.6	31.8



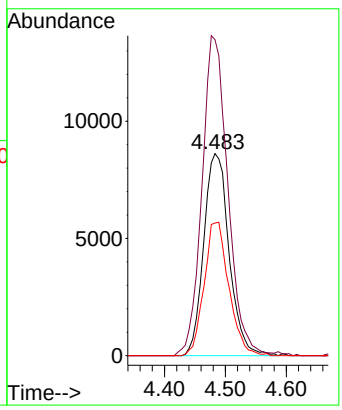


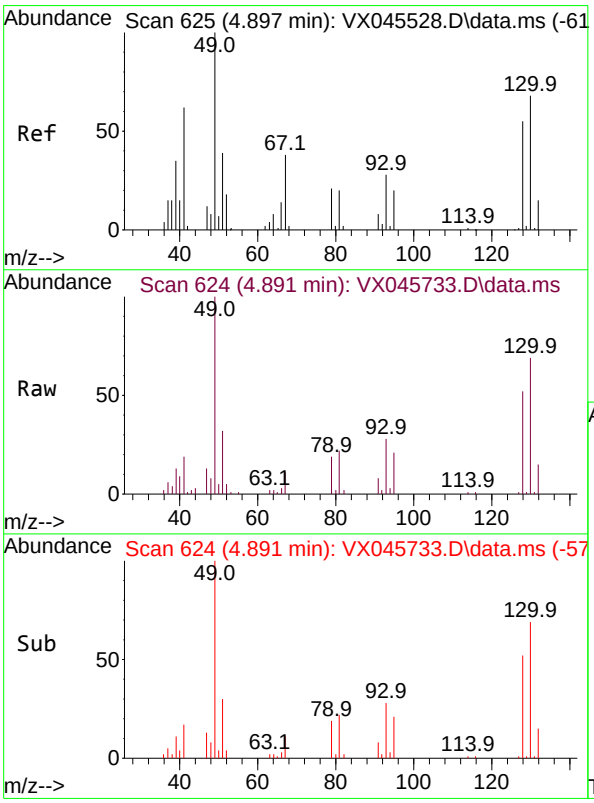
#27
cis-1,2-Dichloroethene
Concen: 18.048 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 96 Resp: 24956

Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	313.2
98	64.3	0.0	126.4

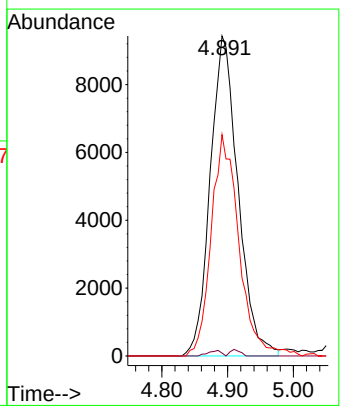


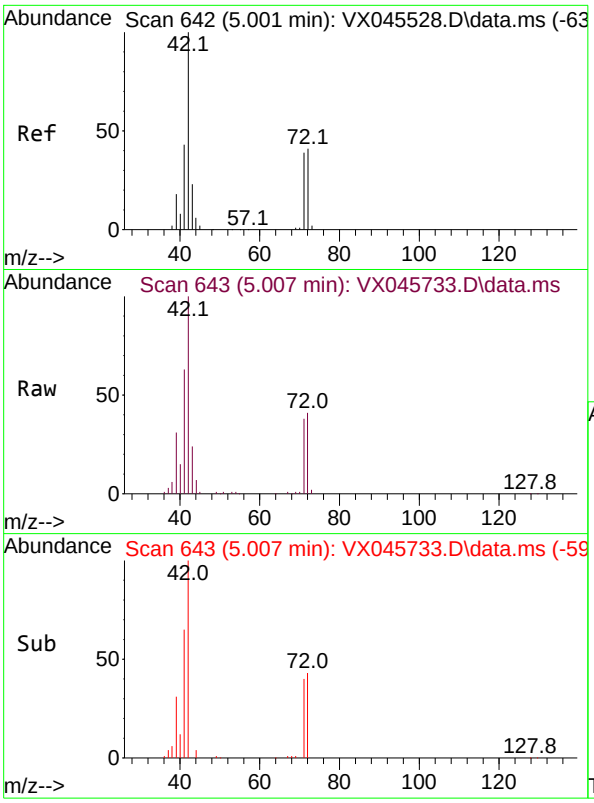


#28
Bromochloromethane
Concen: 24.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 49 Resp: 27754

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	69.0	54.6	81.8



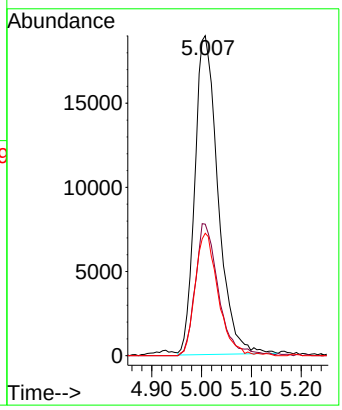


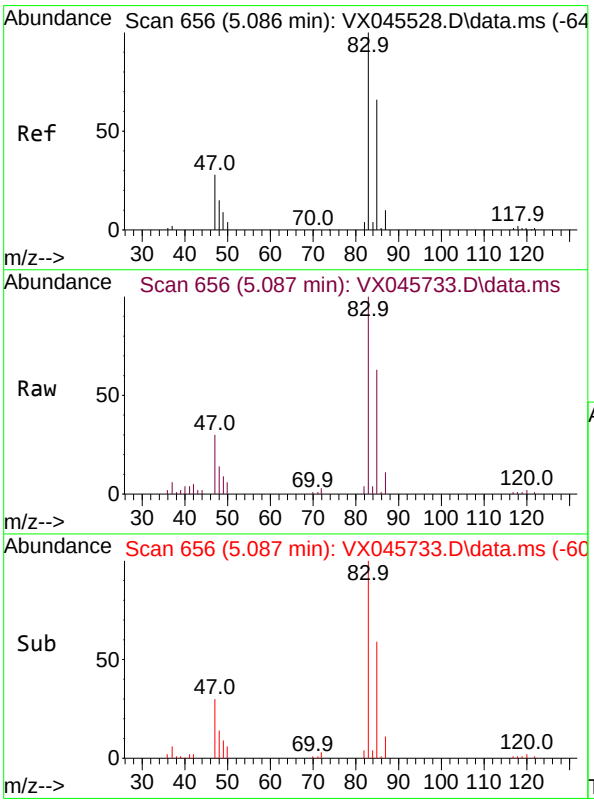
#29
Tetrahydrofuran
Concen: 92.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 42 Resp: 61195

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.4	50.0
71	38.1	31.4	47.0

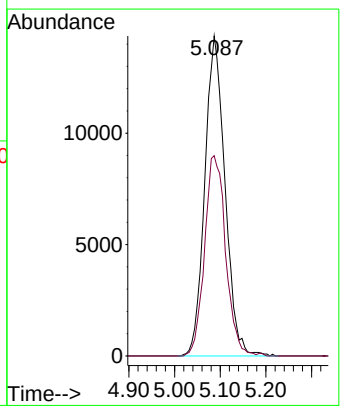


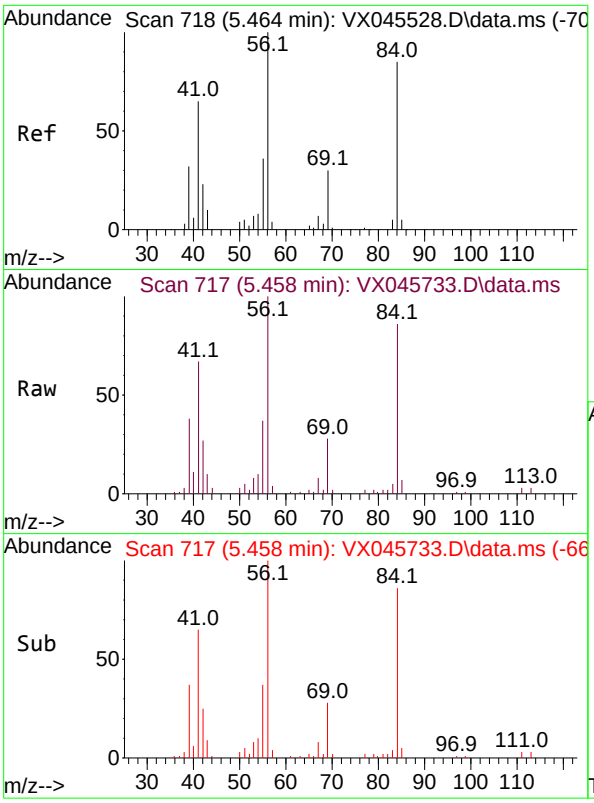


#30
Chloroform
Concen: 18.263 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 44128

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2



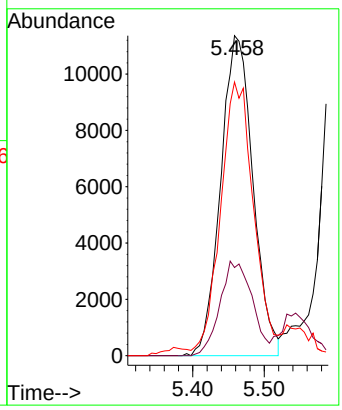


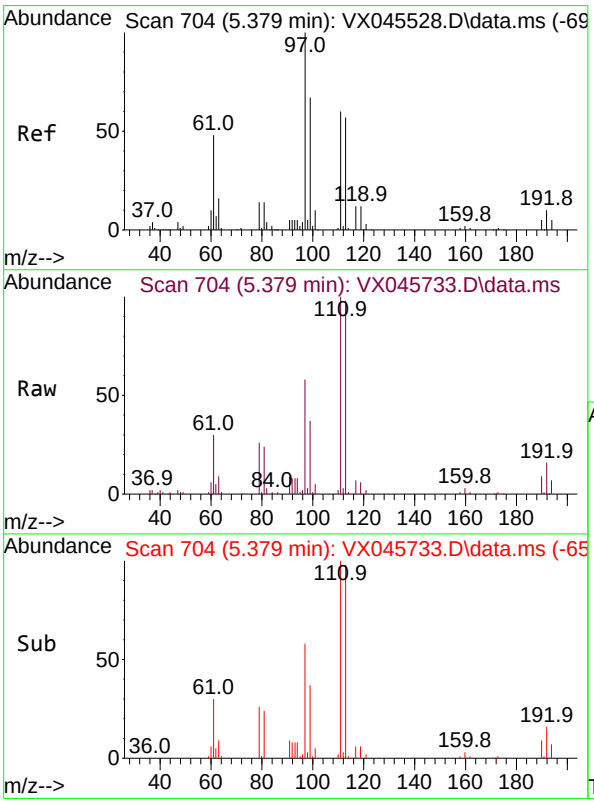
#31
Cyclohexane
Concen: 17.184 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 56 Resp: 35674

Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.6	35.4
84	83.2	67.7	101.5

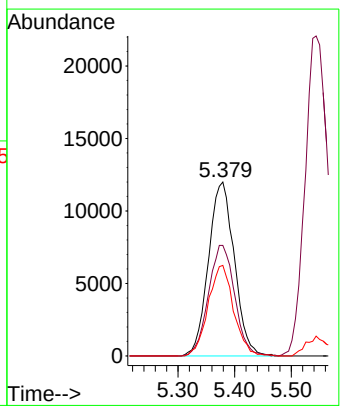


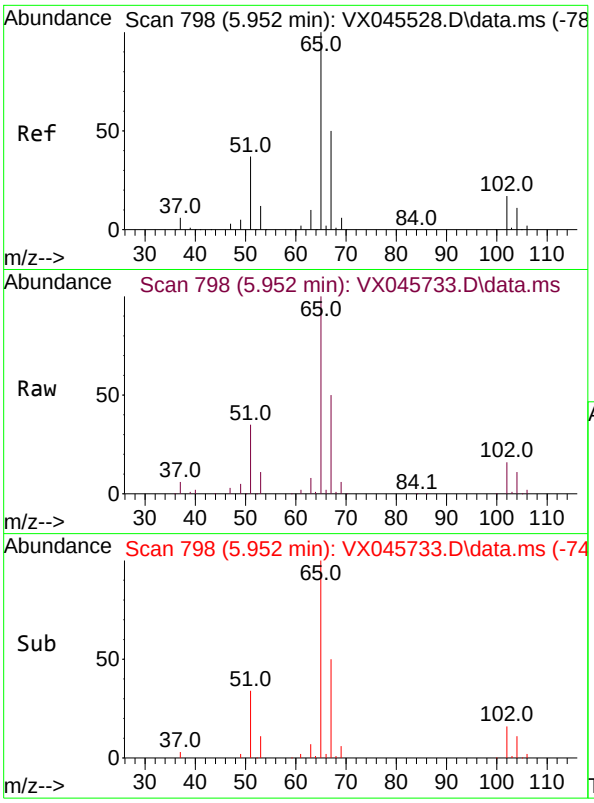


#32
1,1,1-Trichloroethane
Concen: 18.583 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 97 Resp: 37994

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	51.2	41.0	61.4



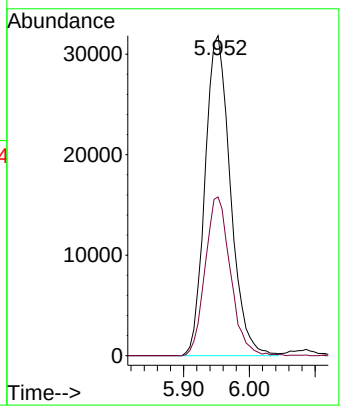


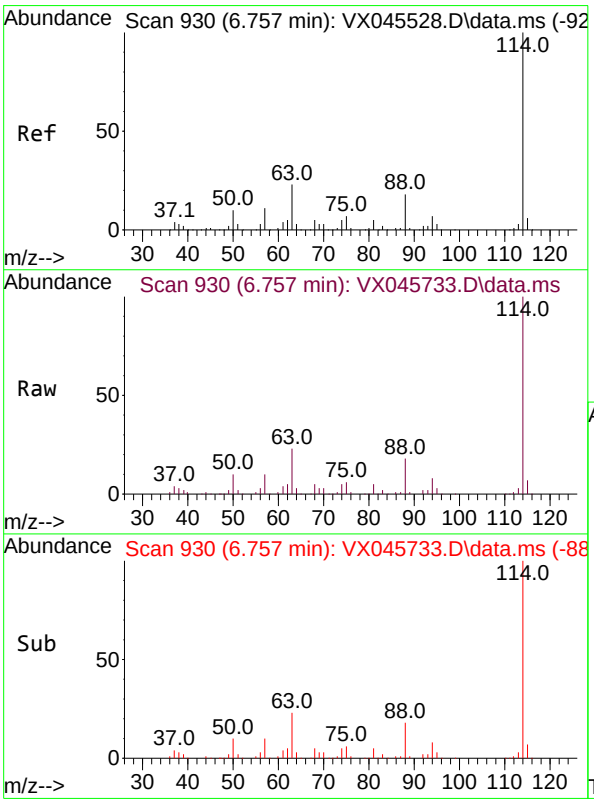
#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 65 Resp: 85438

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

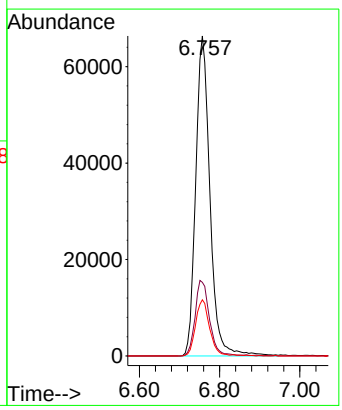


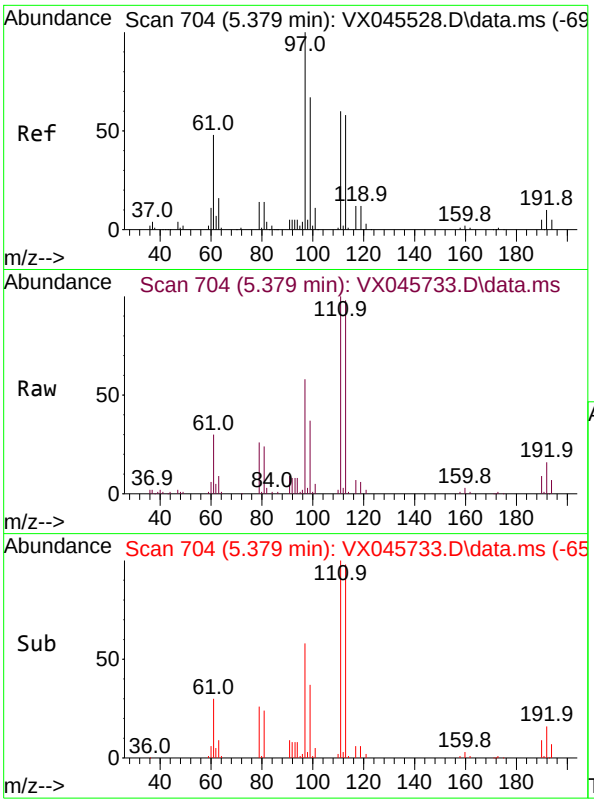


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:114 Resp: 163903

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	46.8
88	17.5	0.0	35.4



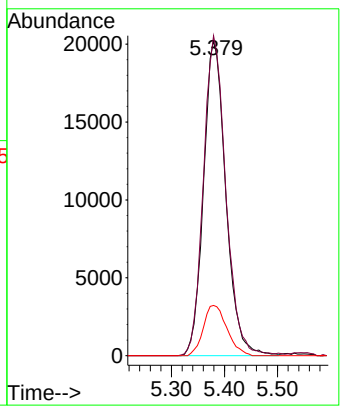


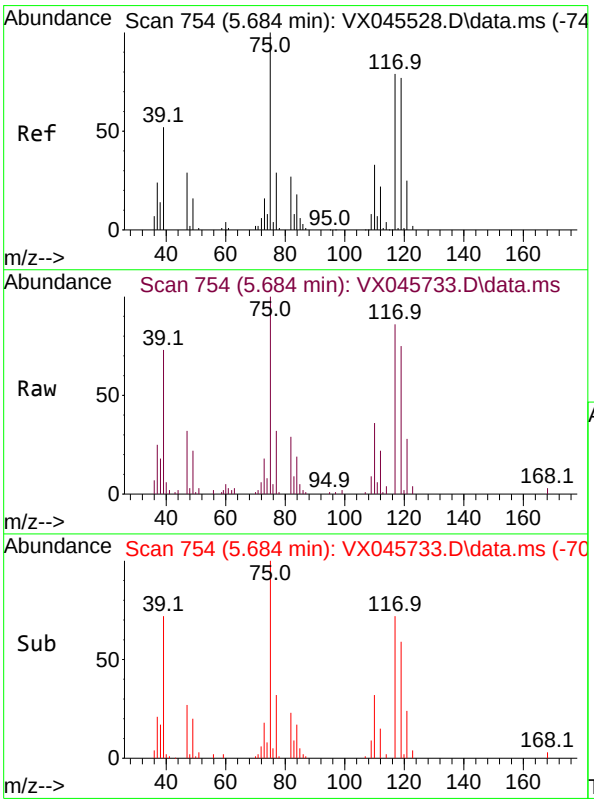
#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:113 Resp: 58904

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.0	13.8	20.6

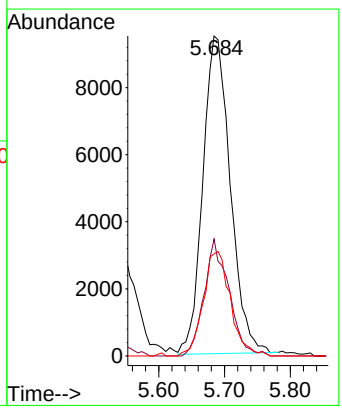


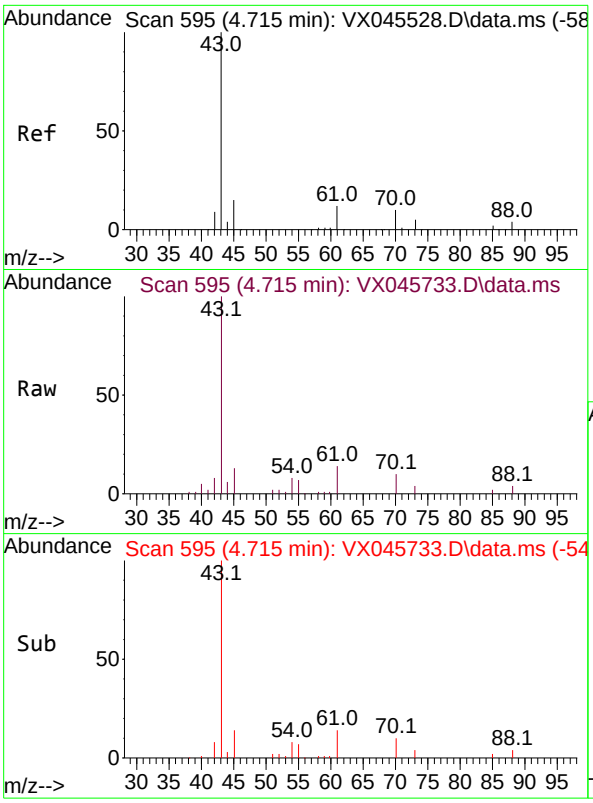


#36
1,1-Dichloropropene
Concen: 17.539 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 27539

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	32.4	25.0	37.4



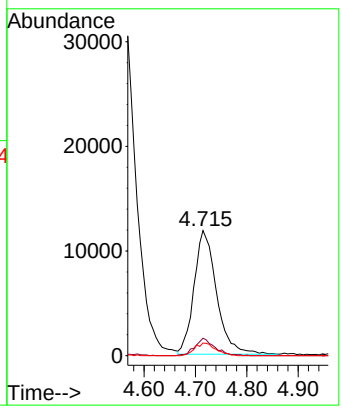


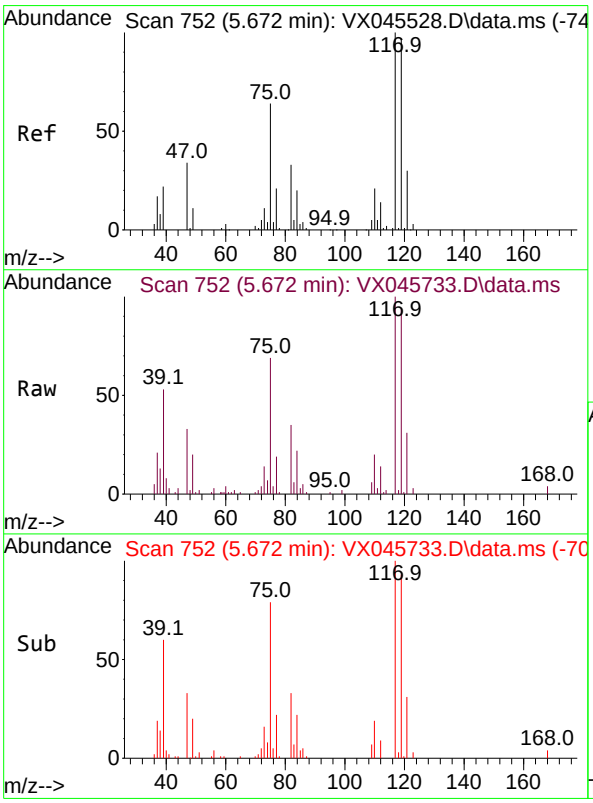
#37
Ethyl Acetate
Concen: 18.192 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 35996

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.5	7.5	11.3

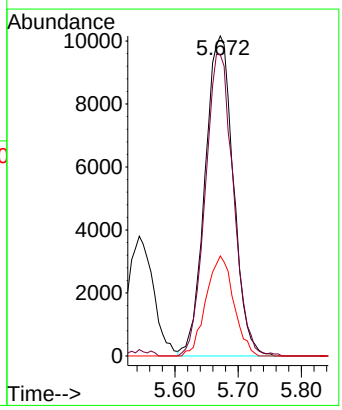


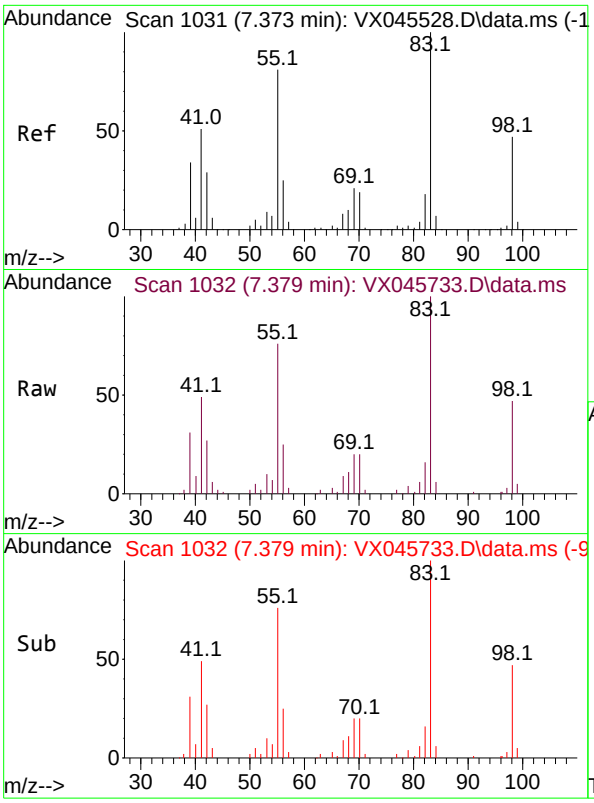


#38
Carbon Tetrachloride
Concen: 18.620 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 31597

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.9	115.3
121	31.2	24.2	36.2



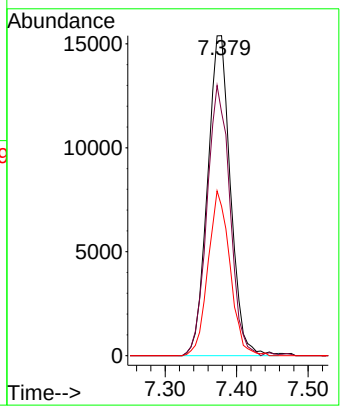


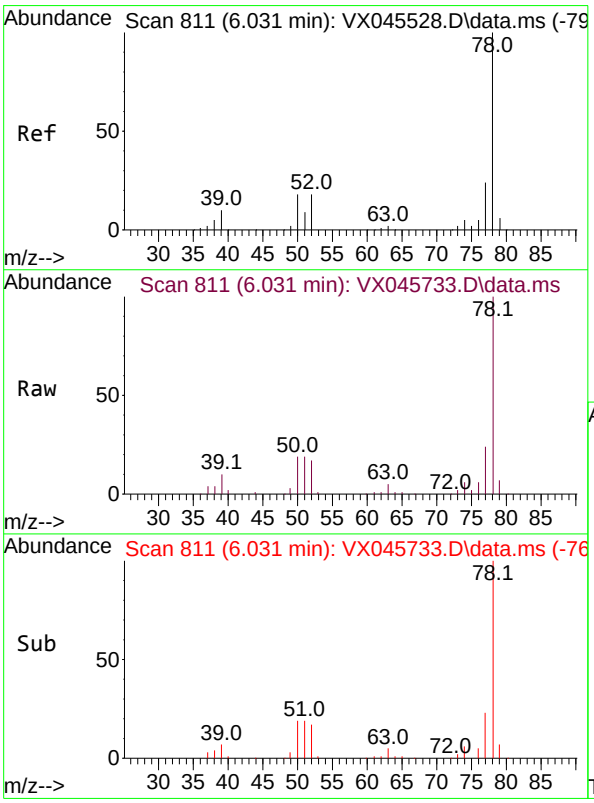
#39
Methylcyclohexane
Concen: 17.851 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 83 Resp: 34358

Ion	Ratio	Lower	Upper
83	100		
55	76.0	64.9	97.3
98	46.7	37.4	56.0

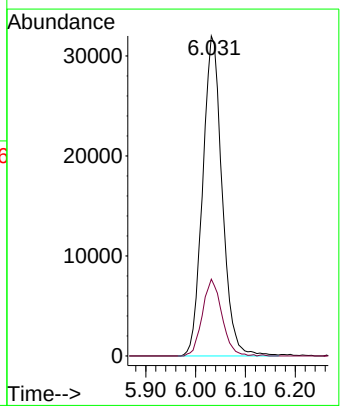


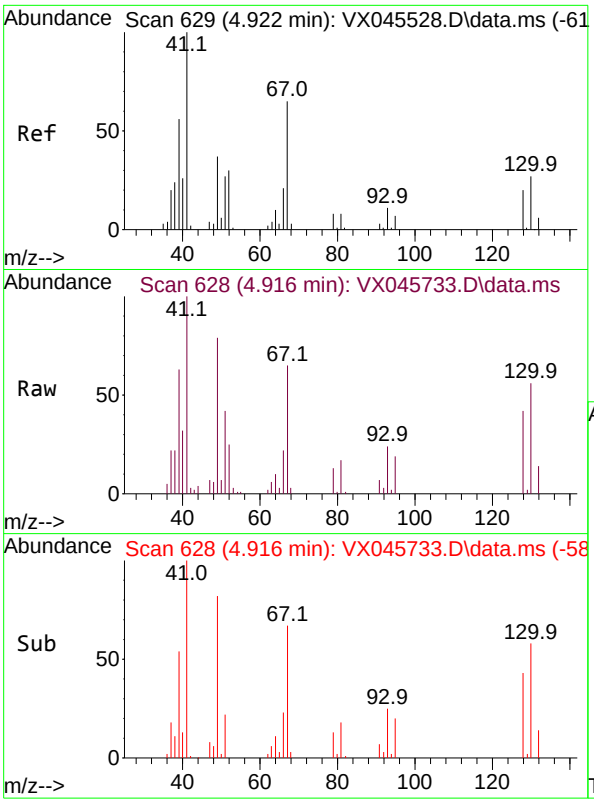


#40
Benzene
Concen: 18.126 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 78 Resp: 86923

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6



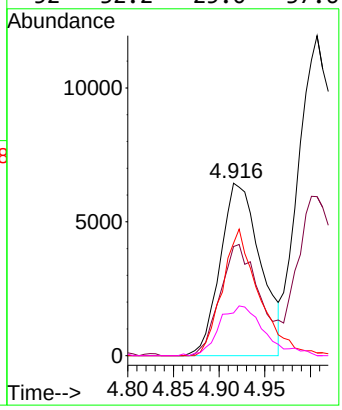


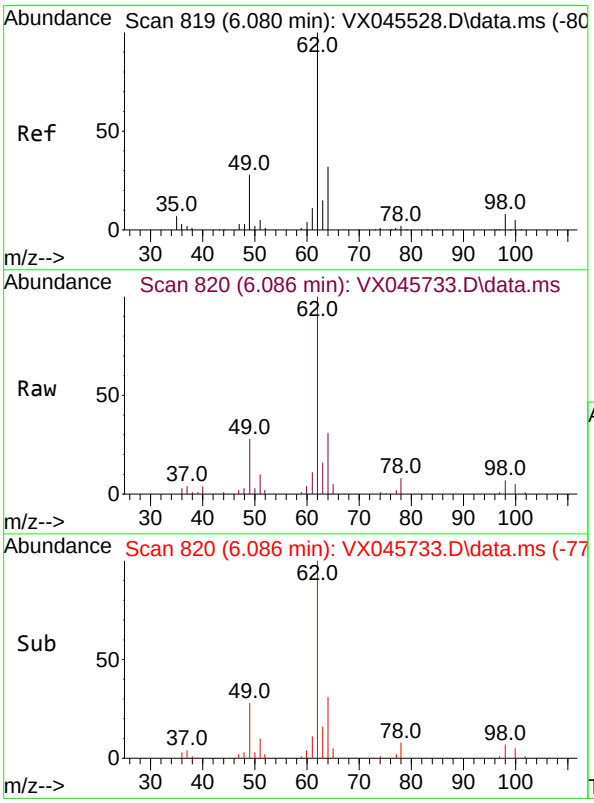
#41
Methacrylonitrile
Concen: 18.924 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 41 Resp: 19757

Ion	Ratio	Lower	Upper
41	100		
39	60.4	47.0	70.6
67	67.8	53.2	79.8
52	32.2	25.0	37.6

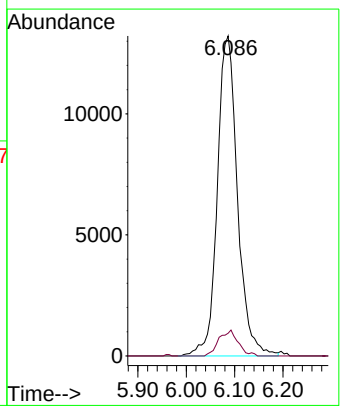


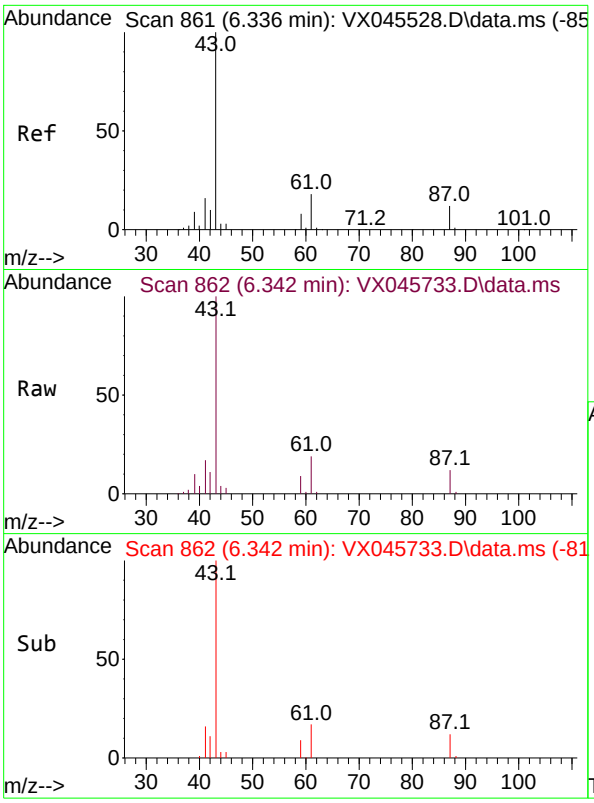


#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 38345

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2



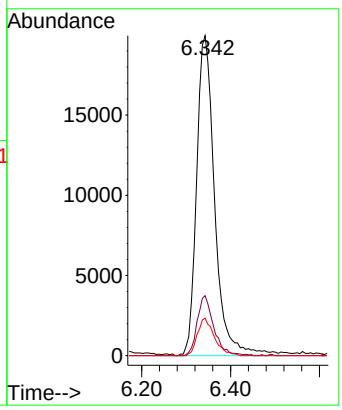


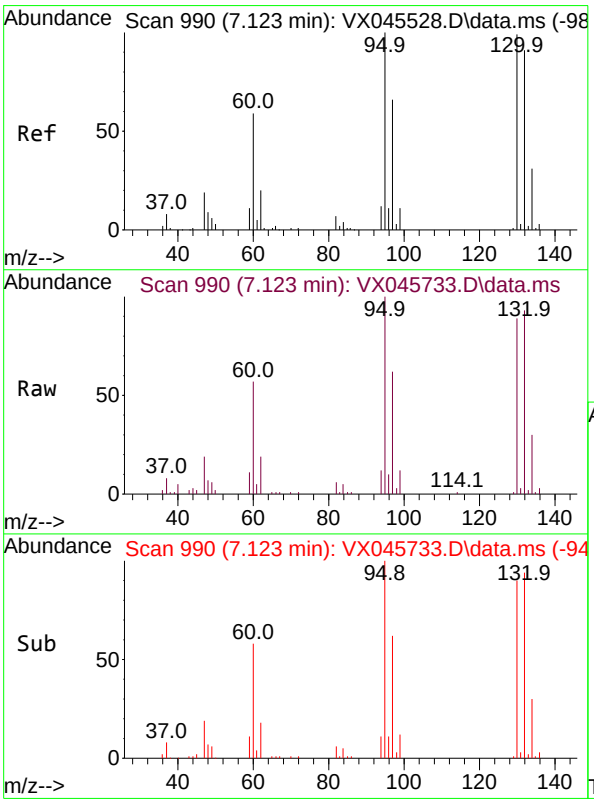
#43
Isopropyl Acetate
Concen: 18.864 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 56572

Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
87	11.0	9.2	13.8

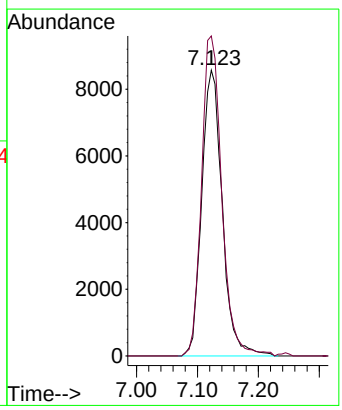


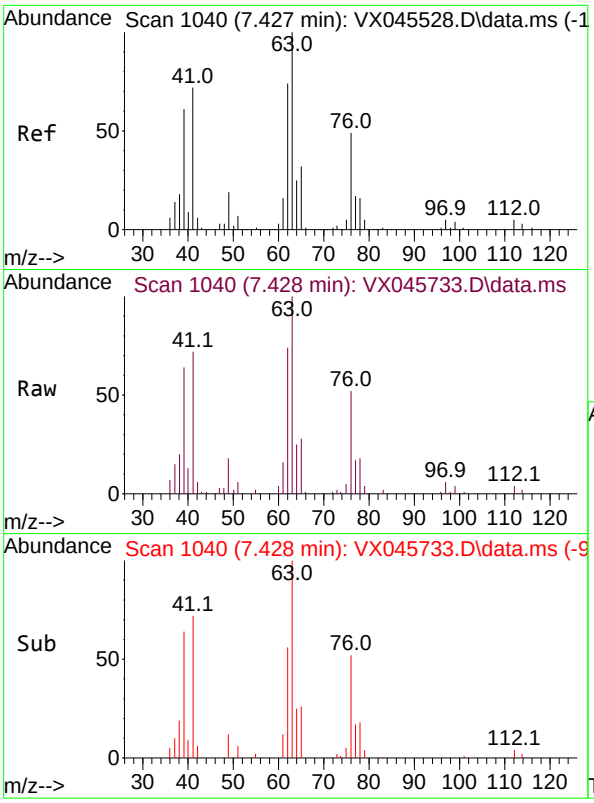


#44
Trichloroethene
Concen: 17.624 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:130 Resp: 20087

Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	202.0



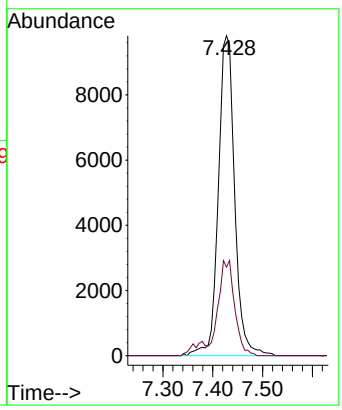


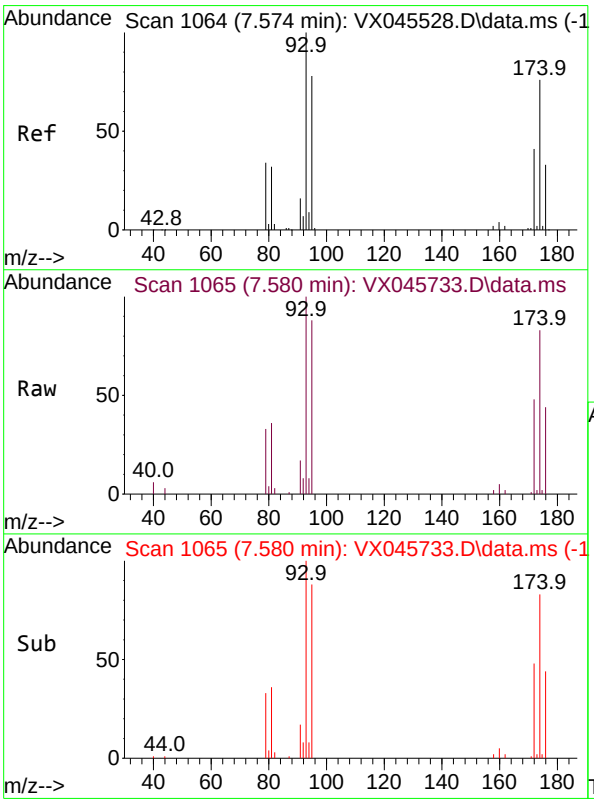
#45
1,2-Dichloropropane
Concen: 18.678 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 63 Resp: 22348

Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.8	38.6

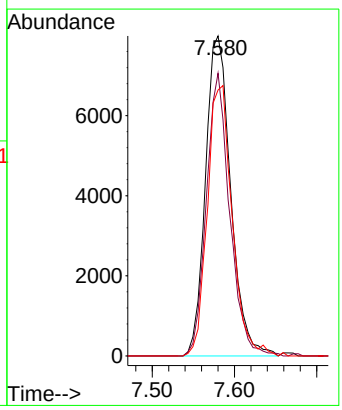


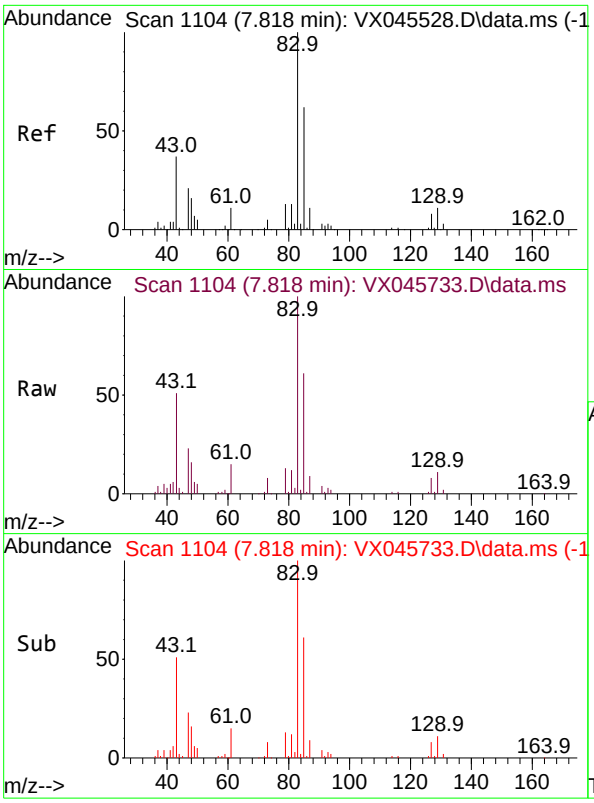


#46
Dibromomethane
Concen: 18.538 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 93 Resp: 17027

Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.8	97.2
174	83.5	65.4	98.0



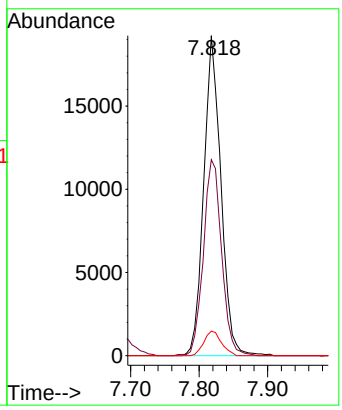


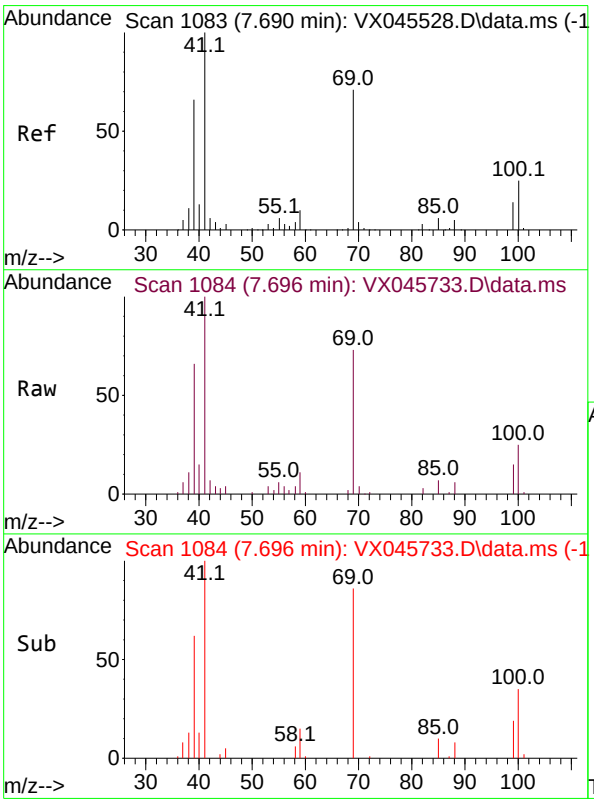
#47
Bromodichloromethane
Concen: 18.321 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 83 Resp: 33605

Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.7	74.5
127	7.7	6.1	9.1

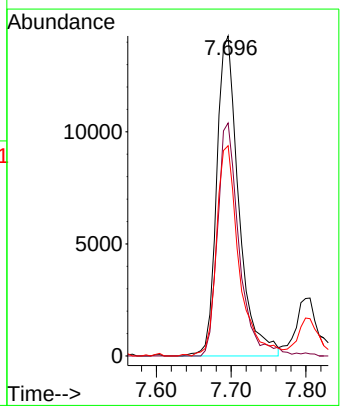


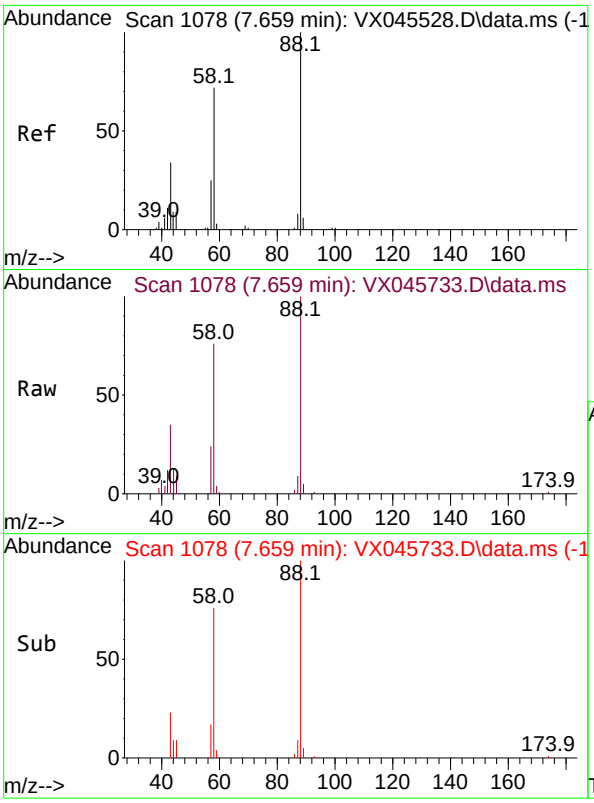


#48
Methyl methacrylate
Concen: 18.940 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 29328

Ion	Ratio	Lower	Upper
41	100		
69	71.3	58.2	87.2
39	67.0	53.6	80.4



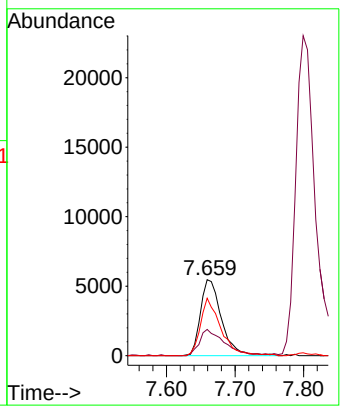


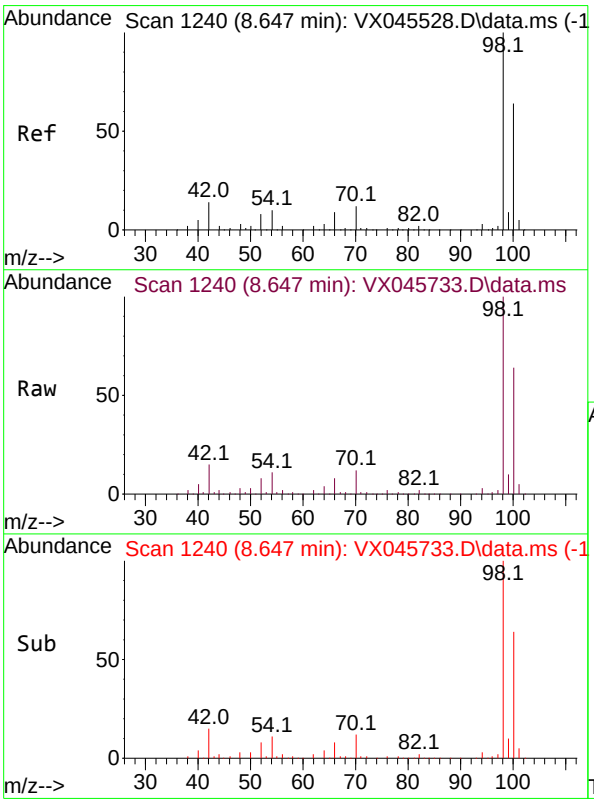
#49
1,4-Dioxane
Concen: 416.596 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 88 Resp: 11671

Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	73.0	58.6	88.0

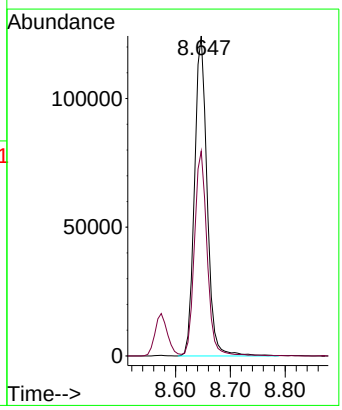


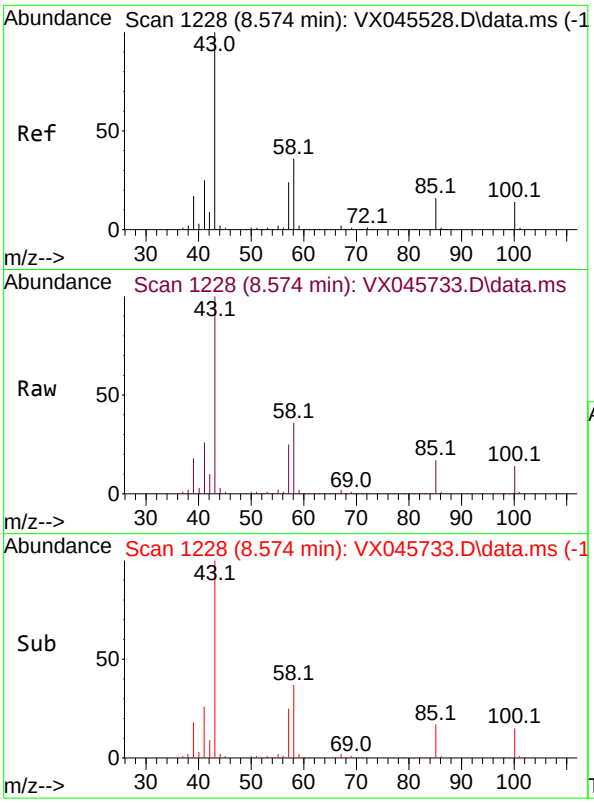


#50
Toluene-d8
Concen: 49.167 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 98 Resp: 199568

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4



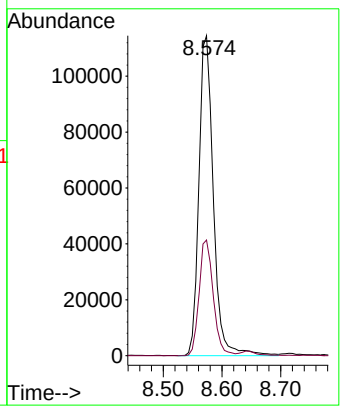


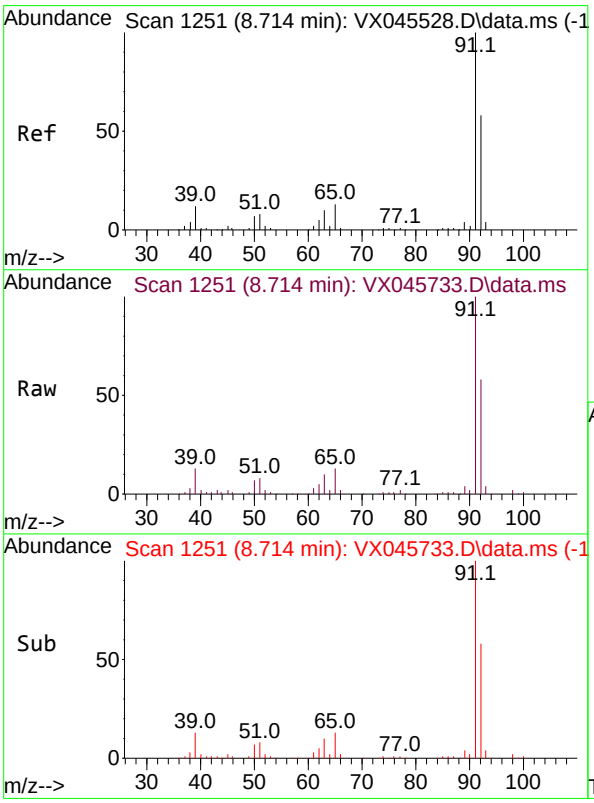
#51
4-Methyl-2-Pentanone
Concen: 98.277 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 195382

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.5	42.7

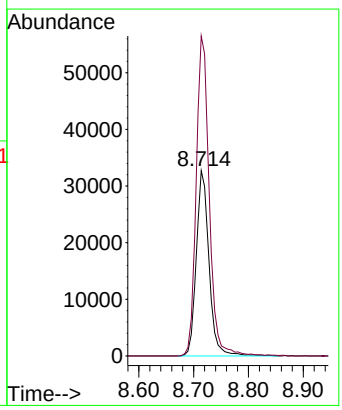


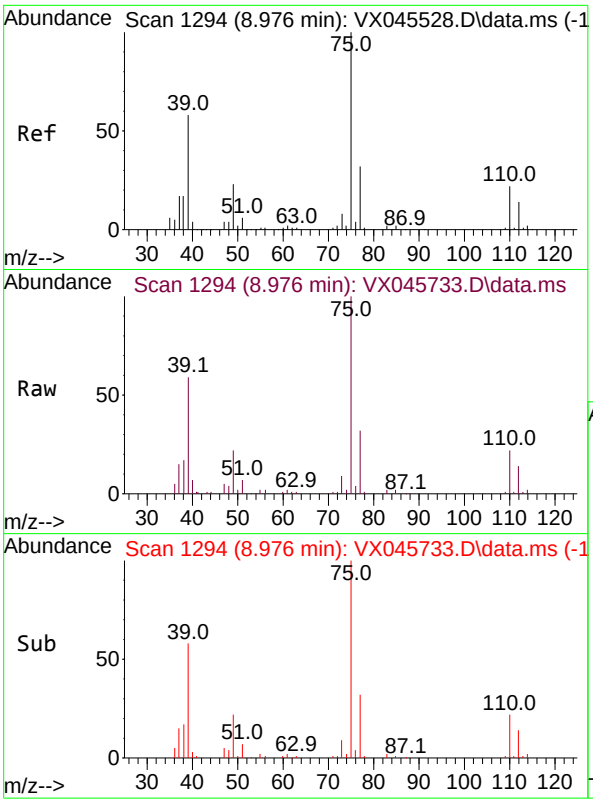


#52
Toluene
Concen: 18.235 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 92 Resp: 52911

Ion	Ratio	Lower	Upper
92	100		
91	177.2	138.7	208.1



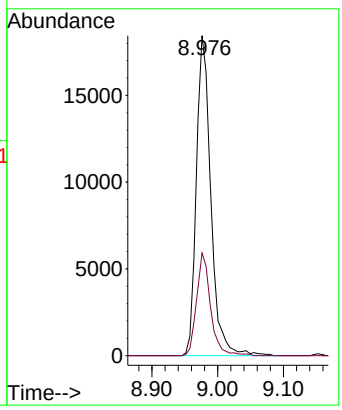


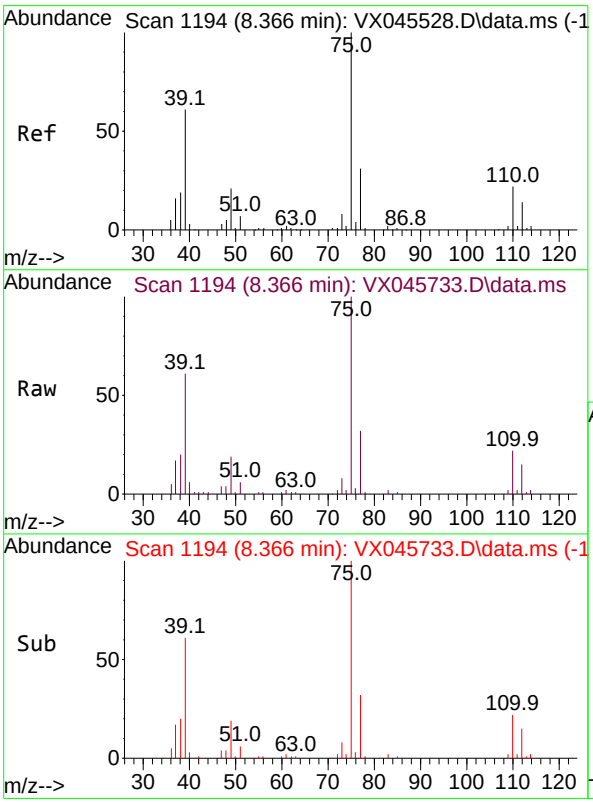
#53
t-1,3-Dichloropropene
Concen: 17.529 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 75 Resp: 28172

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

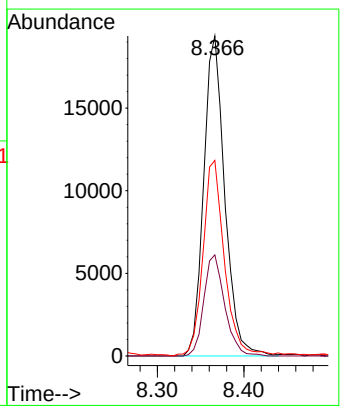


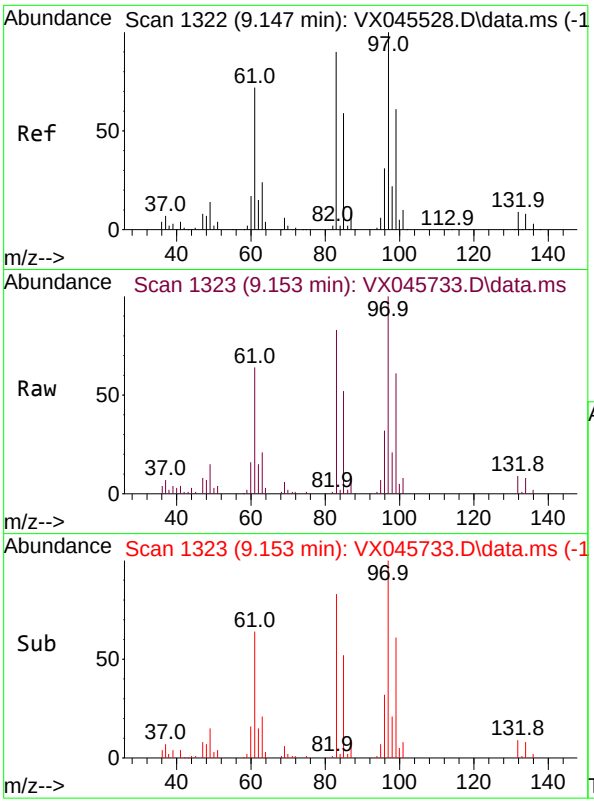


#54
cis-1,3-Dichloropropene
Concen: 18.999 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 32748

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	60.6	48.4	72.6



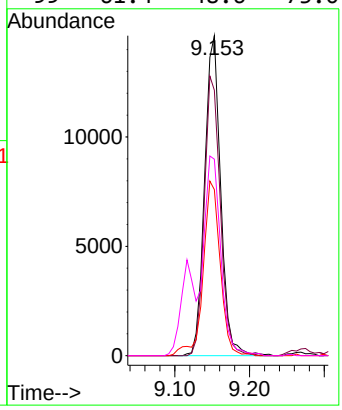


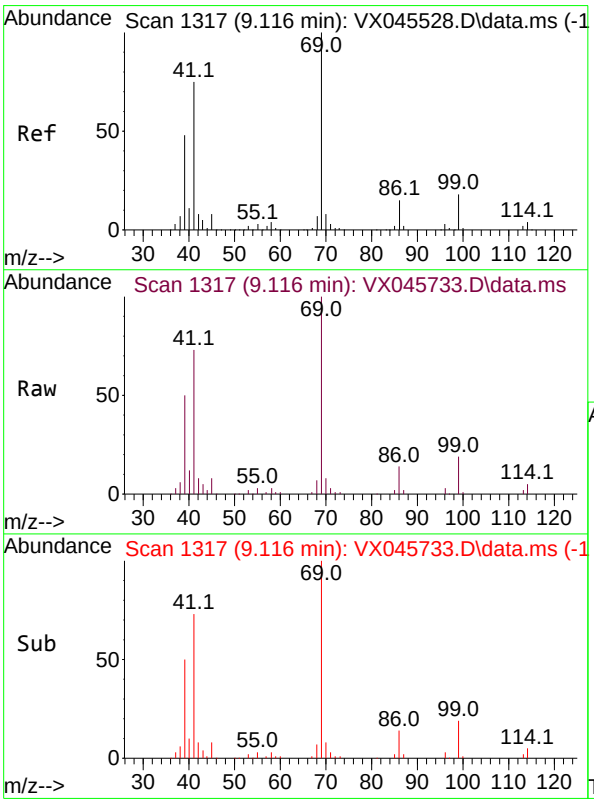
#55
1,1,2-Trichloroethane
Concen: 18.911 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 97 Resp: 21867

Ion	Ratio	Lower	Upper
97	100		
83	83.0	71.8	107.8
85	51.9	47.0	70.6
99	61.4	48.6	73.0

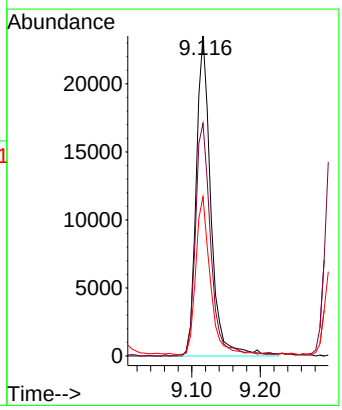


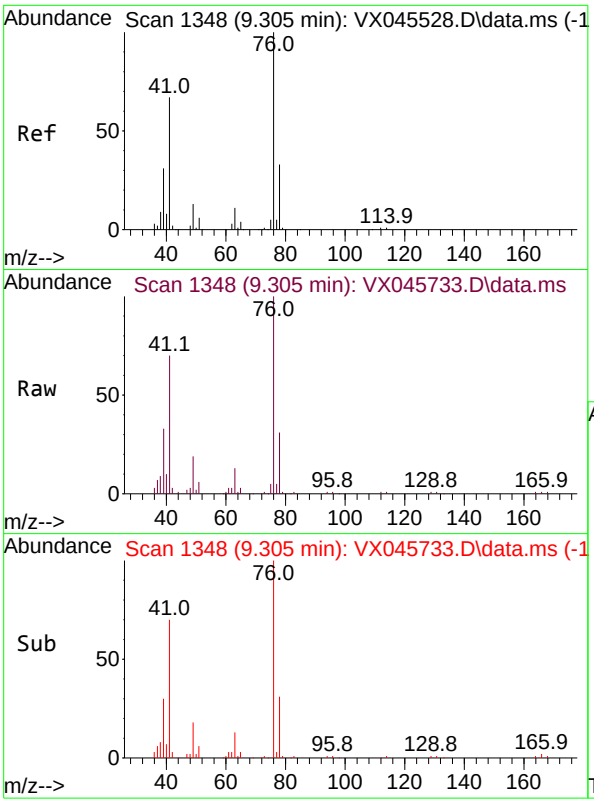


#56
Ethyl methacrylate
Concen: 19.520 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 69 Resp: 34930

Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.3	91.9
39	49.0	40.2	60.2



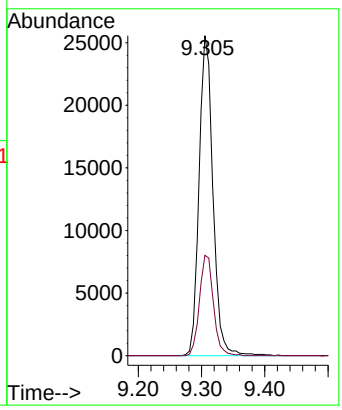


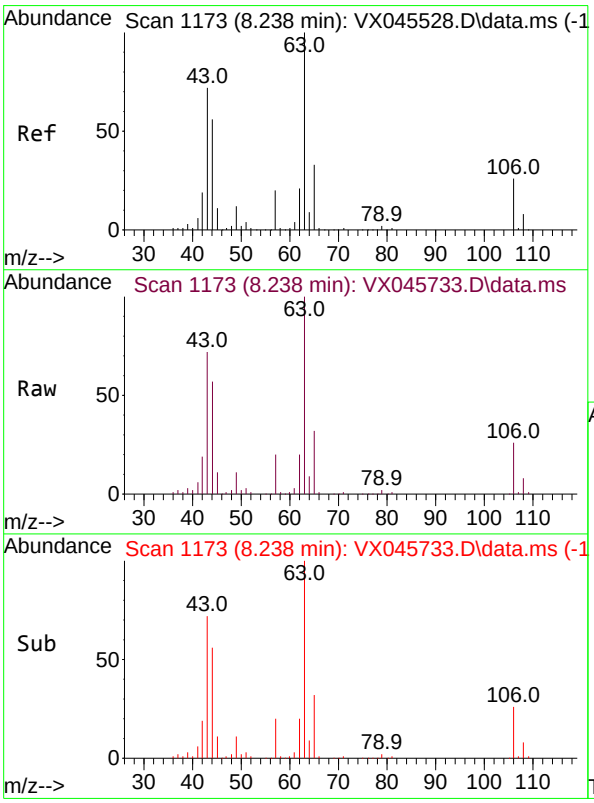
#57
1,3-Dichloropropane
Concen: 19.398 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 76 Resp: 39057

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0

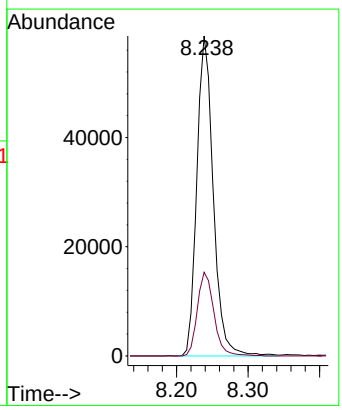


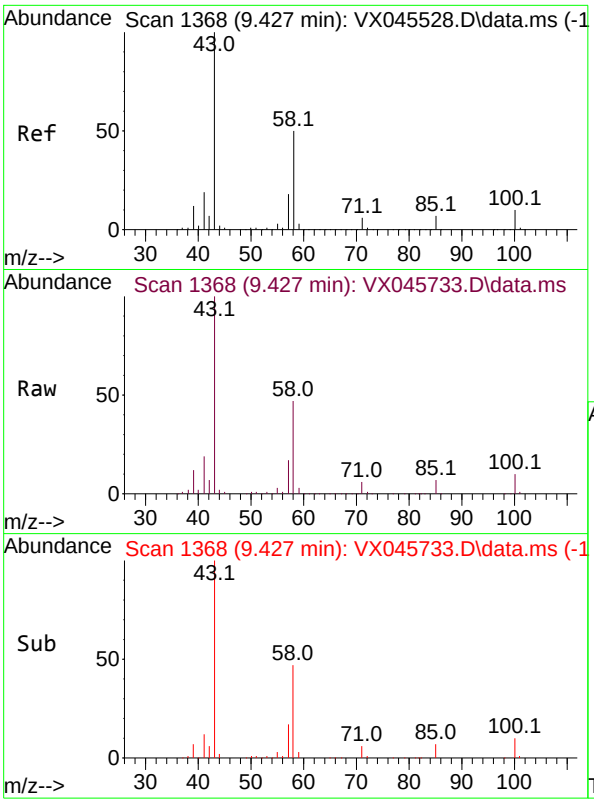


#58
2-Chloroethyl Vinyl ether
Concen: 103.408 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 93610

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6



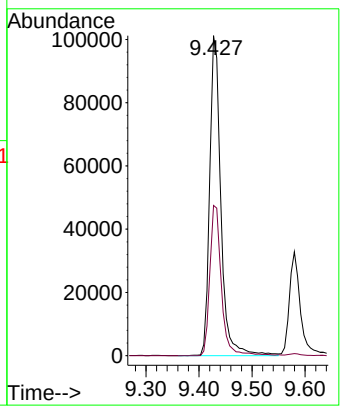


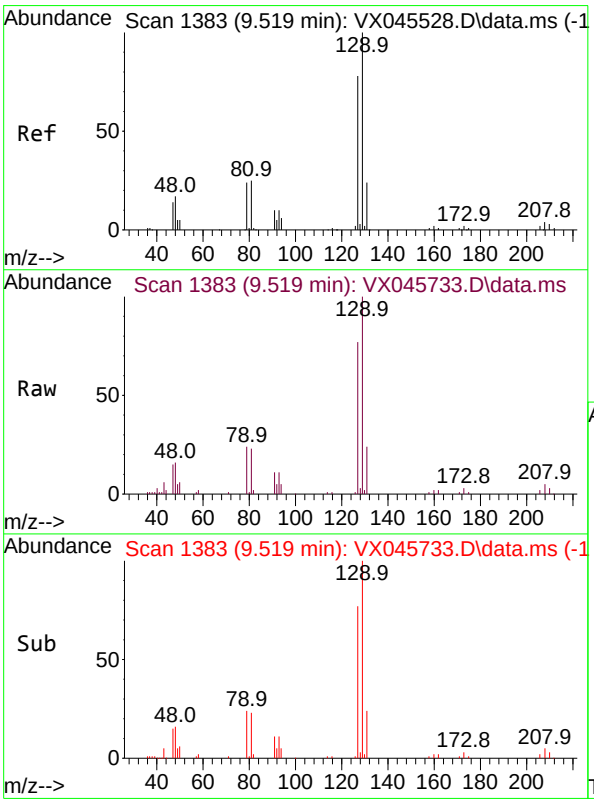
#59
2-Hexanone
Concen: 100.631 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 43 Resp: 148152

Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.9	74.6

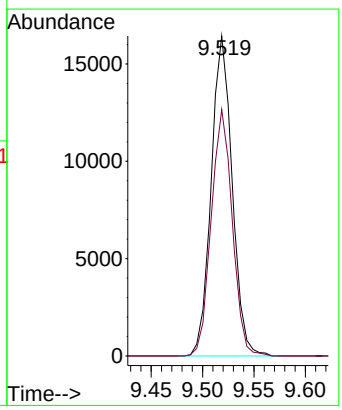


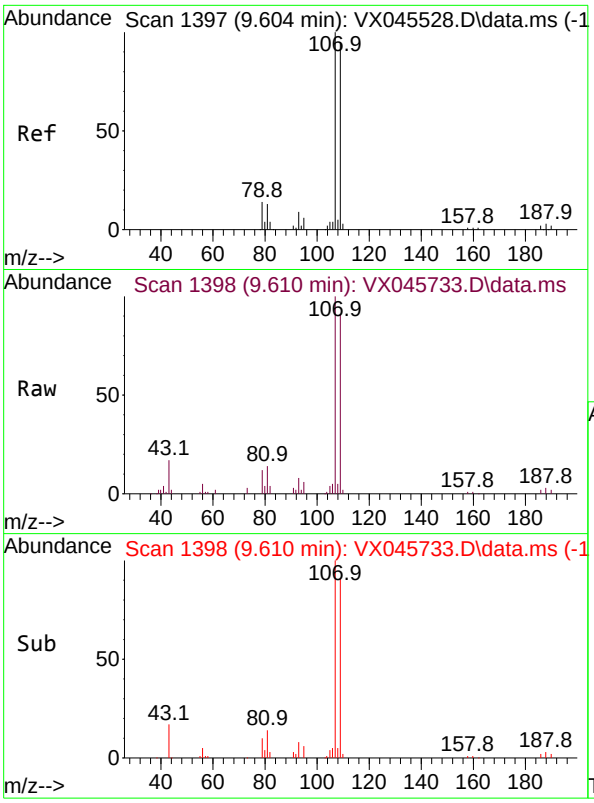


#60
Dibromochloromethane
Concen: 18.479 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:129 Resp: 23294

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.4	118.2



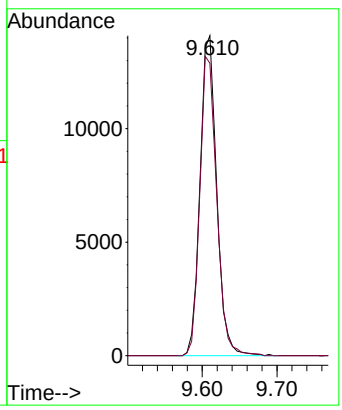


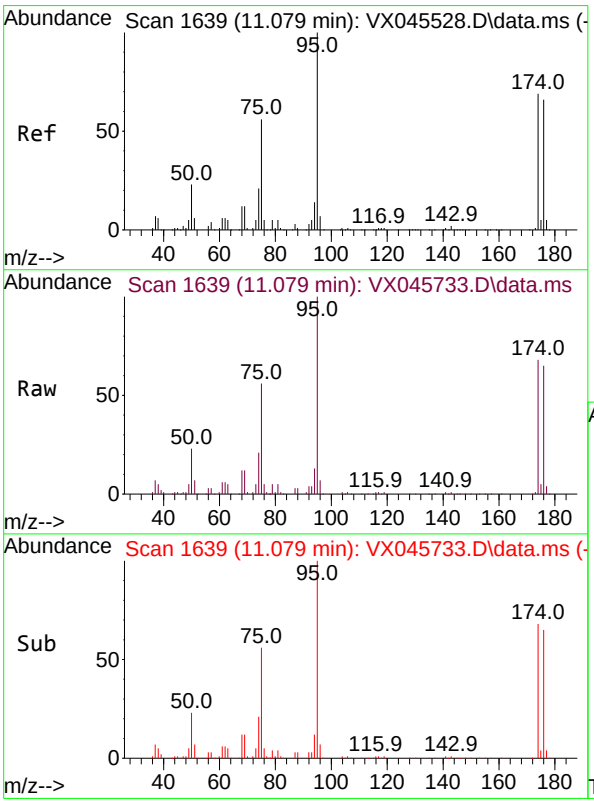
#61
1,2-Dibromoethane
Concen: 18.642 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:107 Resp: 21821

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.7	113.5

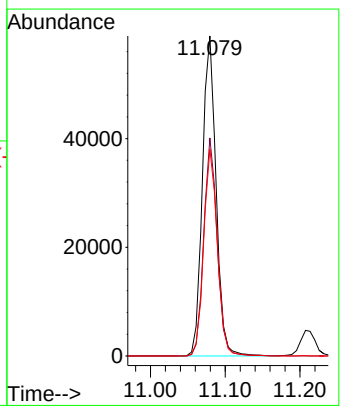


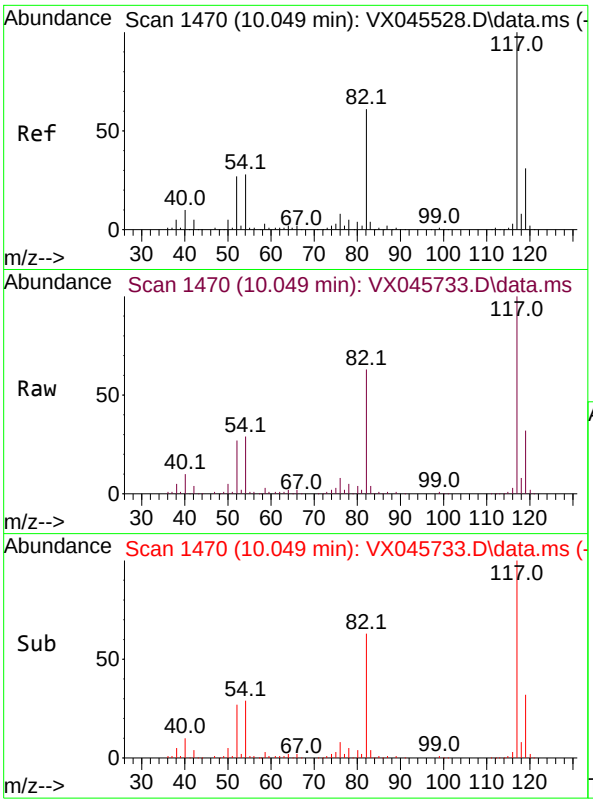


#62
4-Bromofluorobenzene
Concen: 50.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 95 Resp: 74766

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.4	0.0	131.4



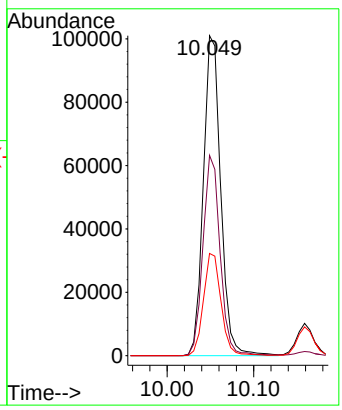


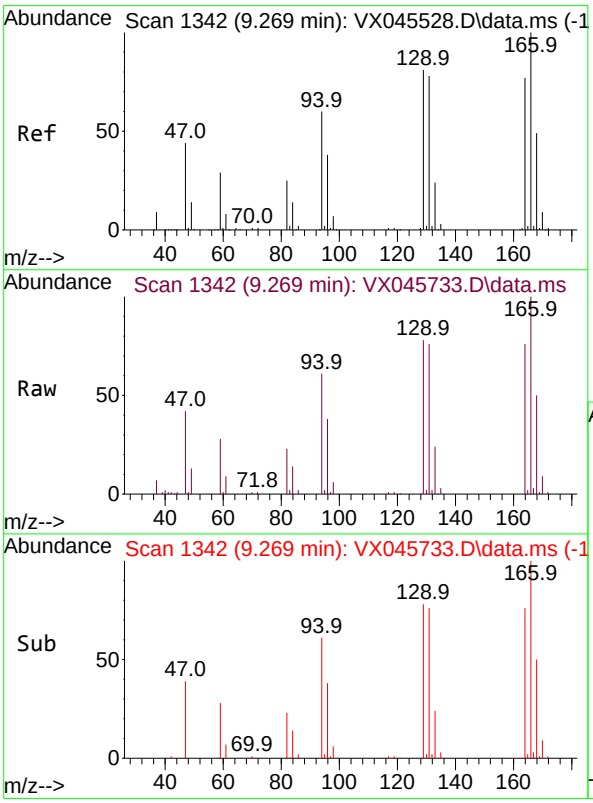
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:117 Resp: 140888

Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	32.0	25.1	37.7

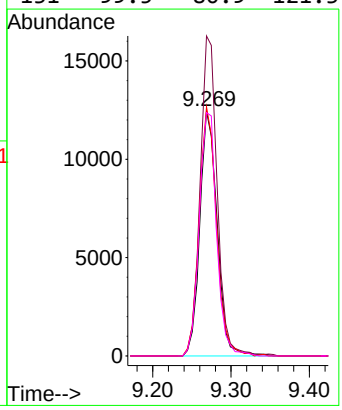


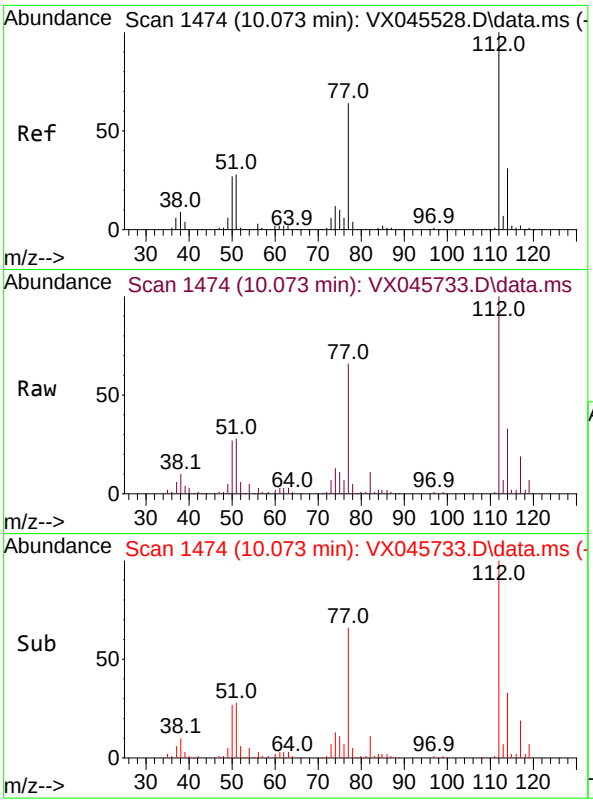


#64
Tetrachloroethene
Concen: 19.167 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:164 Resp: 19066

Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.8	155.8
129	101.8	84.3	126.5
131	99.5	80.9	121.3



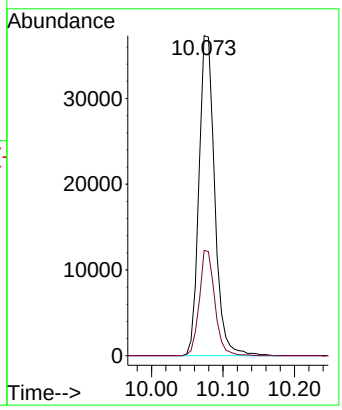


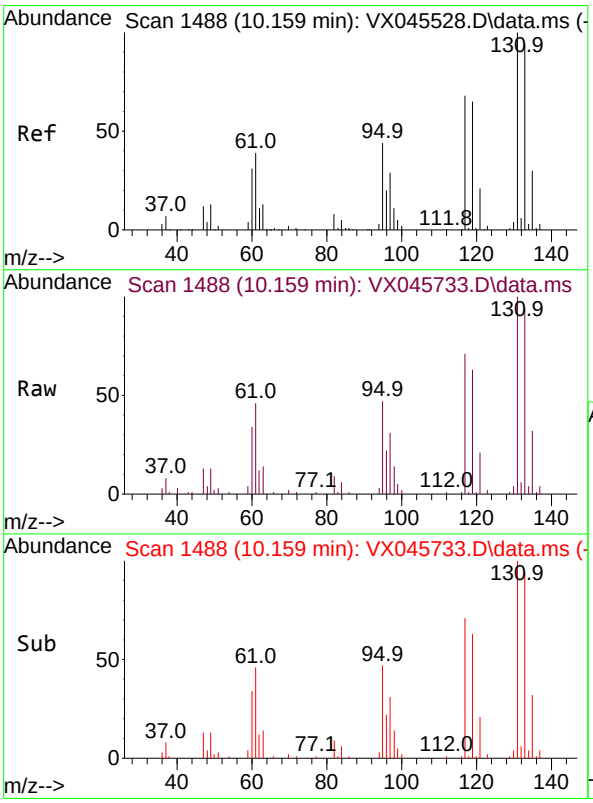
#65
Chlorobenzene
Concen: 18.962 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:112 Resp: 57085

Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1

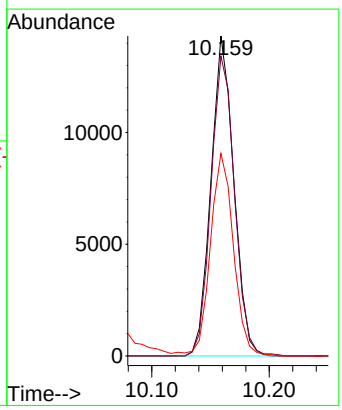


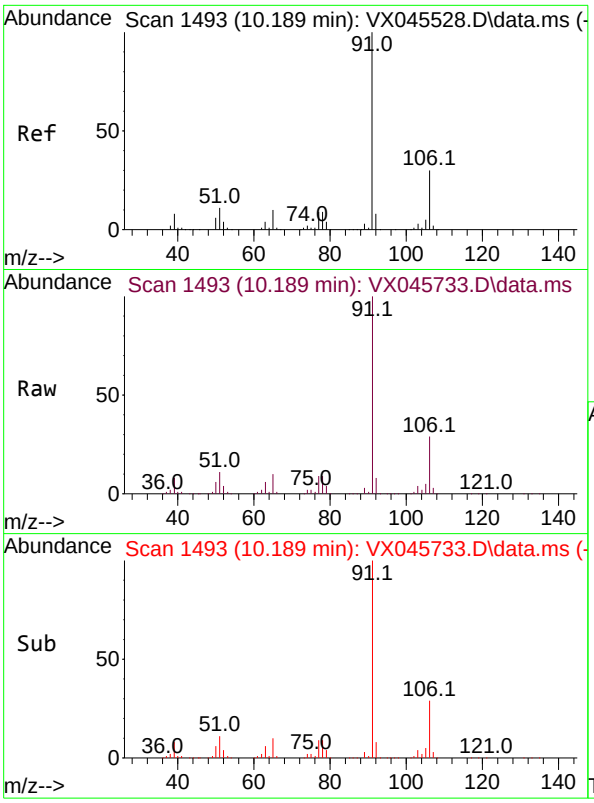


#66
1,1,1,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:131 Resp: 19355

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.5	142.5
119	63.4	32.9	98.6



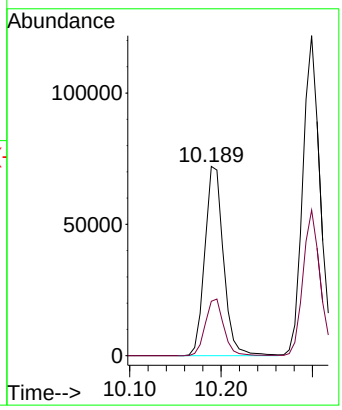


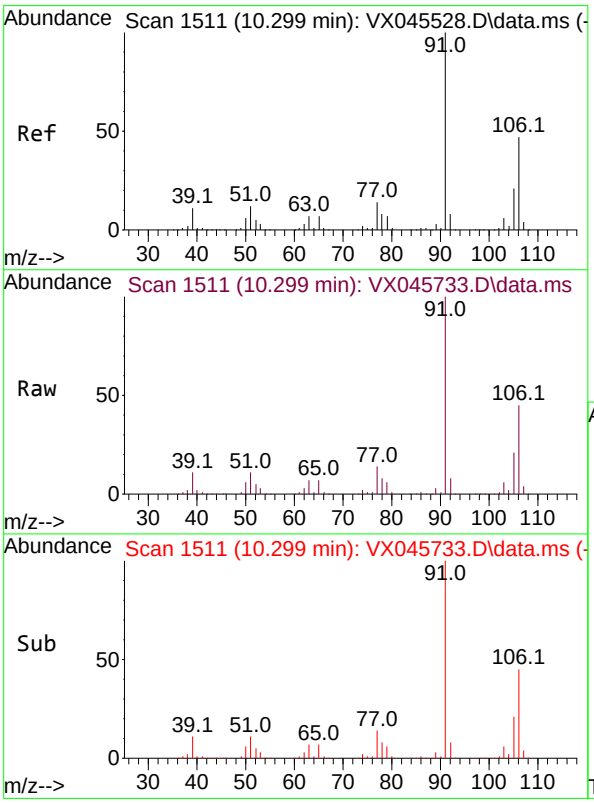
#67
Ethyl Benzene
Concen: 18.957 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 91 Resp: 102213

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5

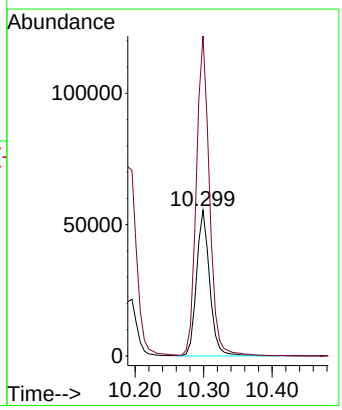


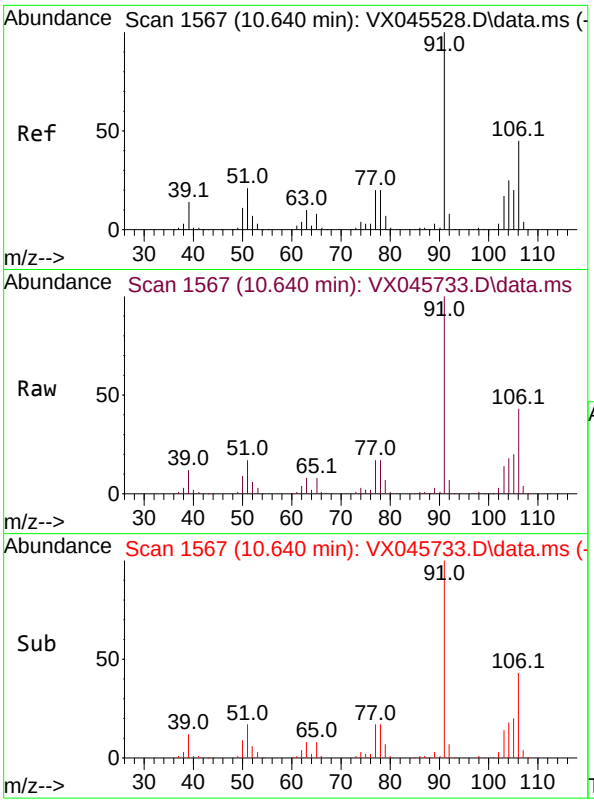


#68
m/p-Xylenes
Concen: 37.692 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:106 Resp: 73917

Ion	Ratio	Lower	Upper
106	100		
91	219.9	172.6	258.8



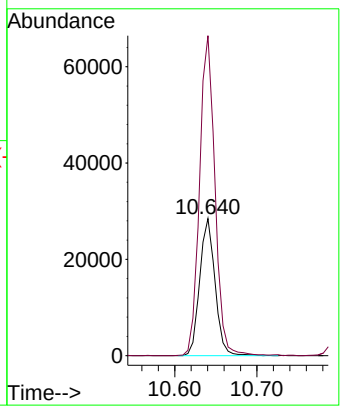


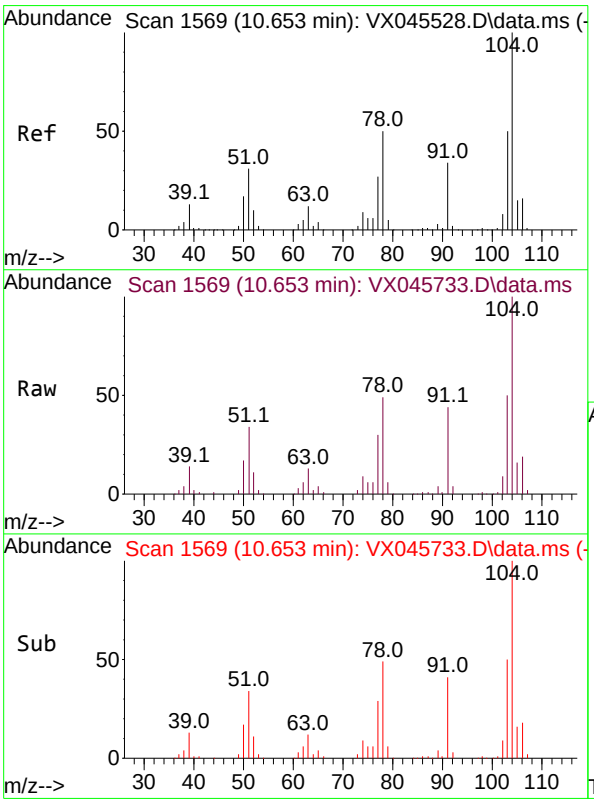
#69
o-Xylene
Concen: 19.111 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:106 Resp: 36919

Ion	Ratio	Lower	Upper
106	100		
91	235.4	113.6	340.6

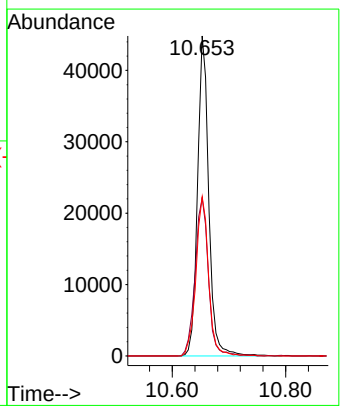


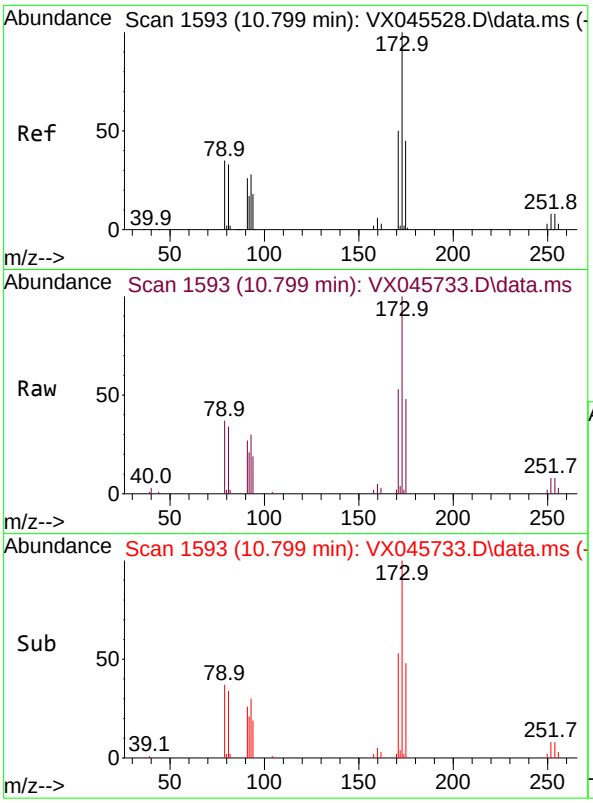


#70
Styrene
Concen: 19.348 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:104 Resp: 61692

Ion	Ratio	Lower	Upper
104	100		
78	58.3	45.4	68.2
103	56.1	43.8	65.8



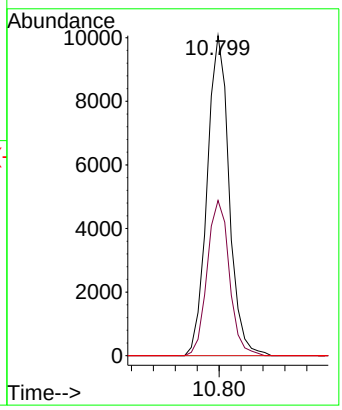


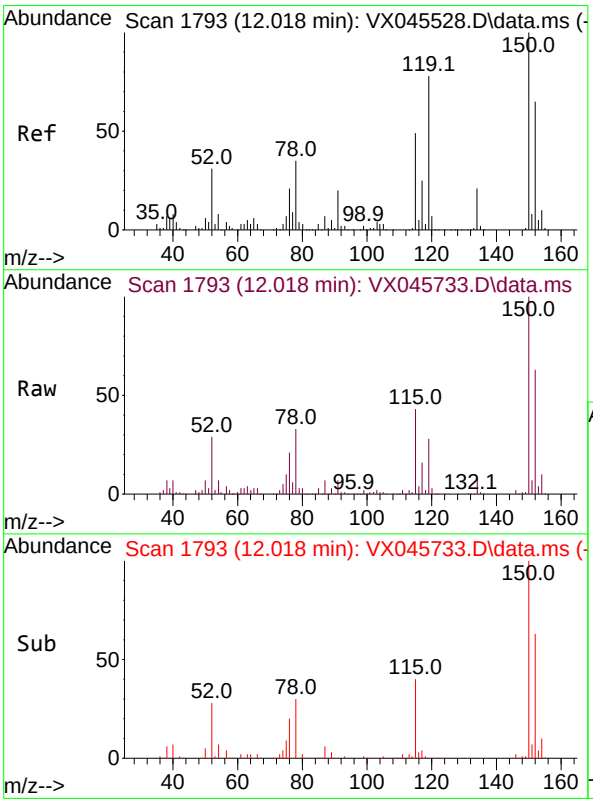
#71
Bromoform
Concen: 17.924 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:173 Resp: 13988

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.4	70.2
254	0.0	0.0	0.0

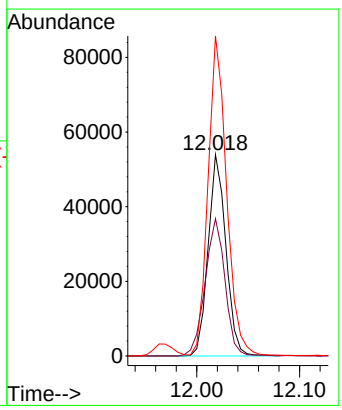


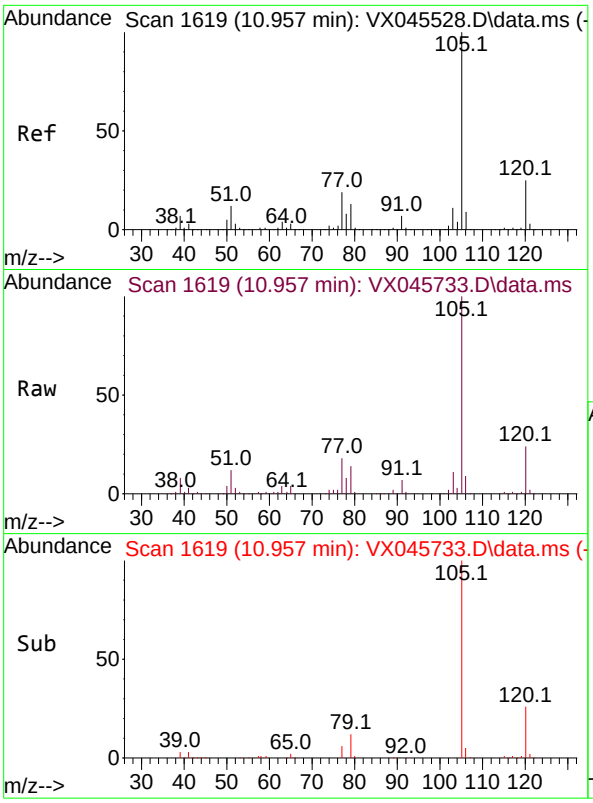


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:152 Resp: 64715

Ion	Ratio	Lower	Upper
152	100		
115	76.4	46.9	140.7
150	165.8	0.0	349.4



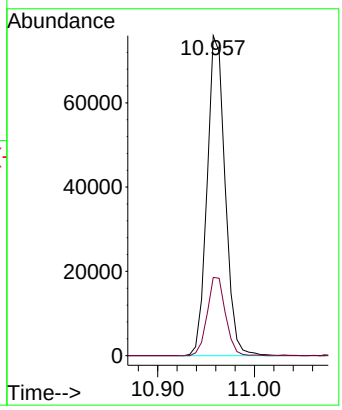


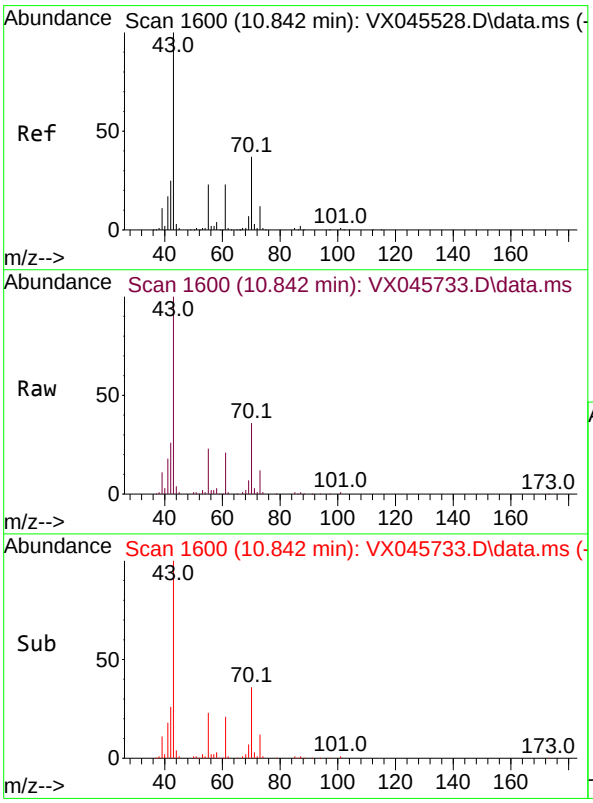
#73
Isopropylbenzene
Concen: 18.994 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:105 Resp: 98461

Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.7	38.0

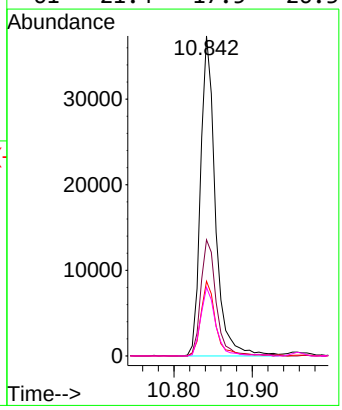


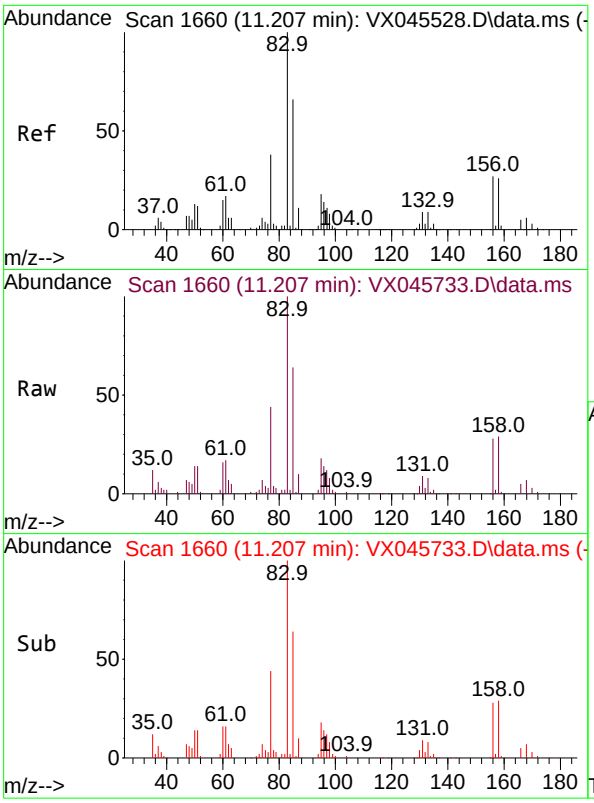


#74
N-amyl acetate
Concen: 19.784 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 49056

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.1	45.1
55	23.3	18.3	27.5
61	21.4	17.5	26.3



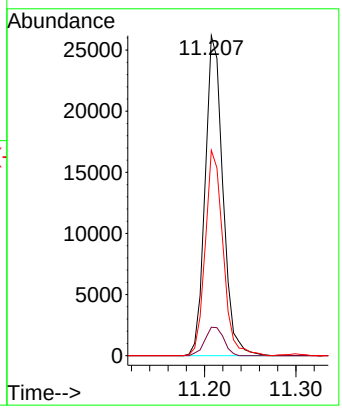


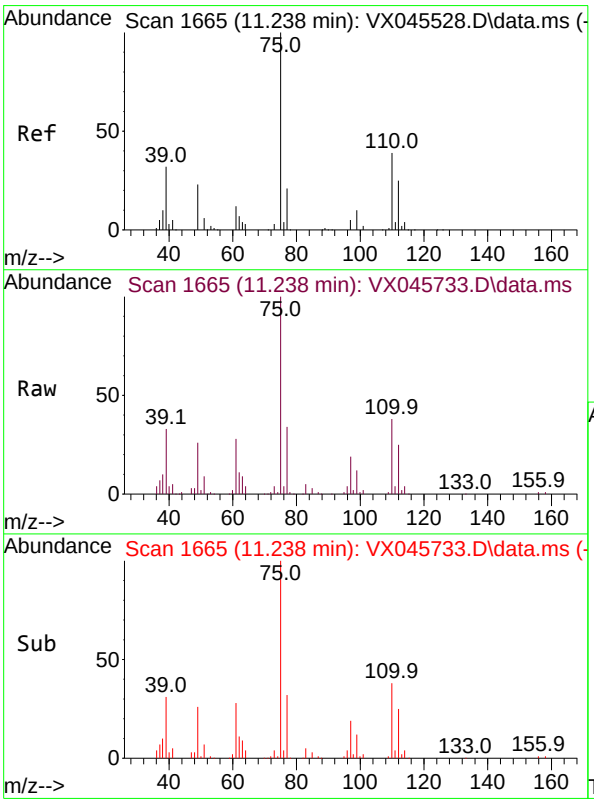
#75
1,1,2,2-Tetrachloroethane
Concen: 19.330 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 83 Resp: 35200

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.3	32.4	97.2

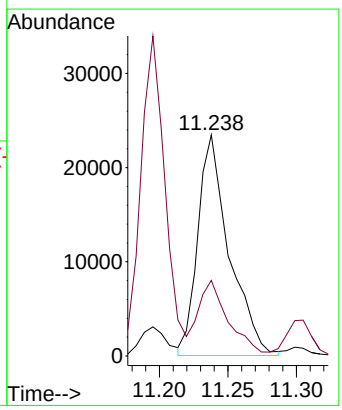


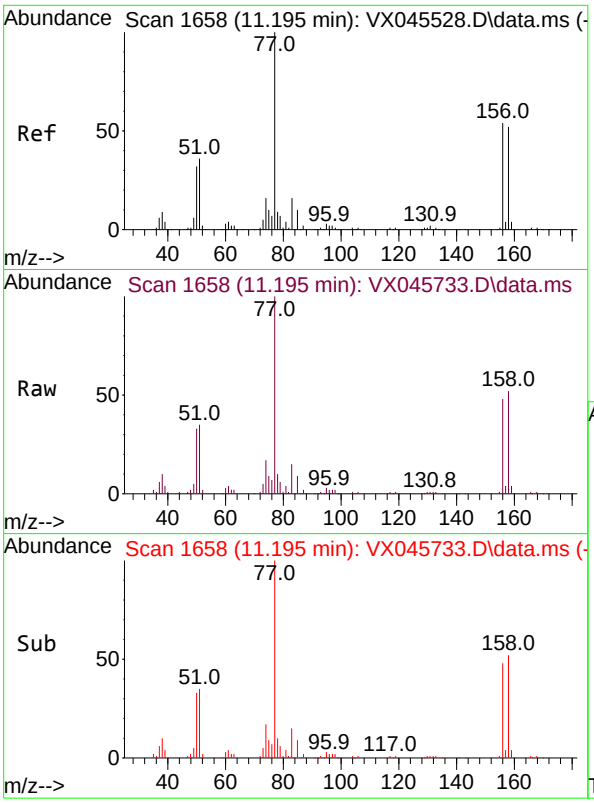


#76
1,2,3-Trichloropropane
Concen: 23.651 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 37335

Ion	Ratio	Lower	Upper
75	100		
77	33.1	20.0	59.9



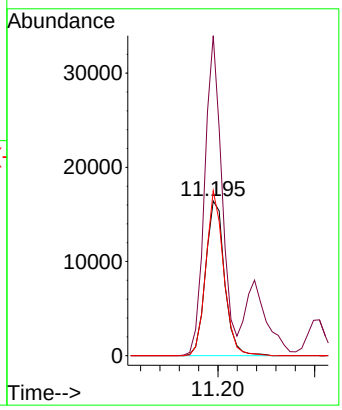


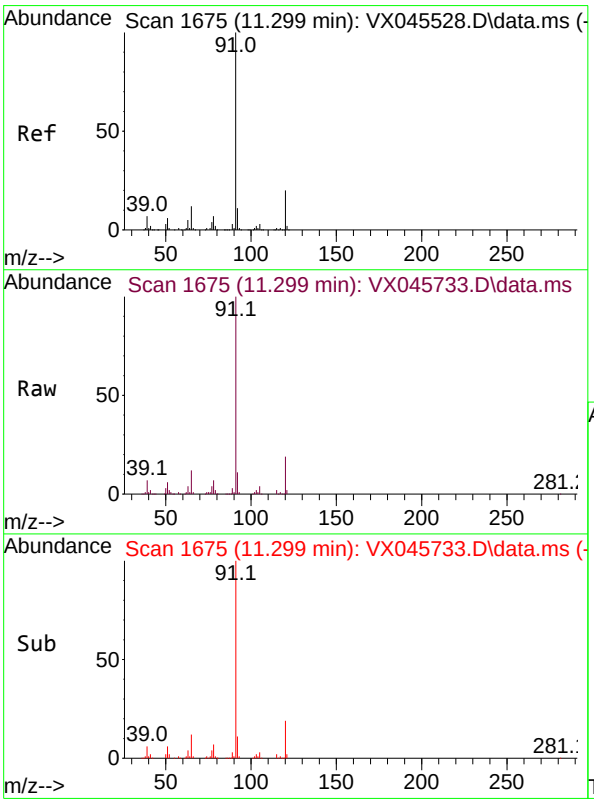
#77
Bromobenzene
Concen: 18.691 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:156 Resp: 22387

Ion	Ratio	Lower	Upper
156	100		
77	188.3	92.6	277.8
158	100.1	48.1	144.4

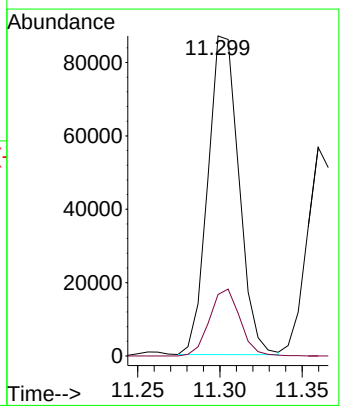


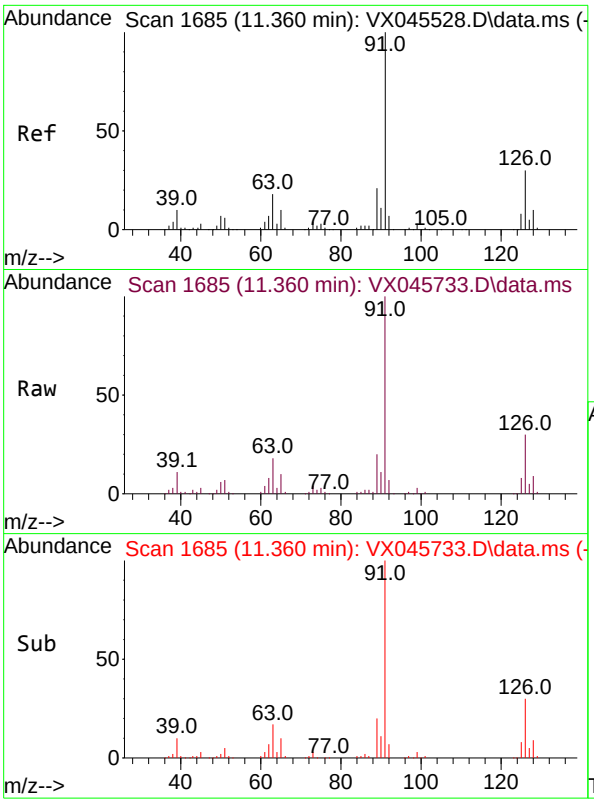


#78
n-propylbenzene
Concen: 19.111 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 114109

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.8	32.3



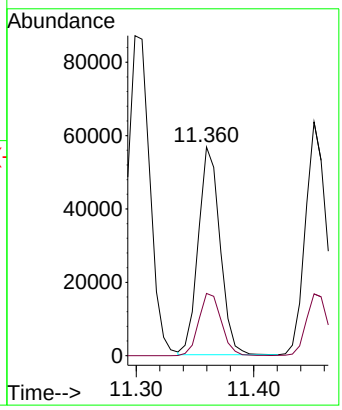


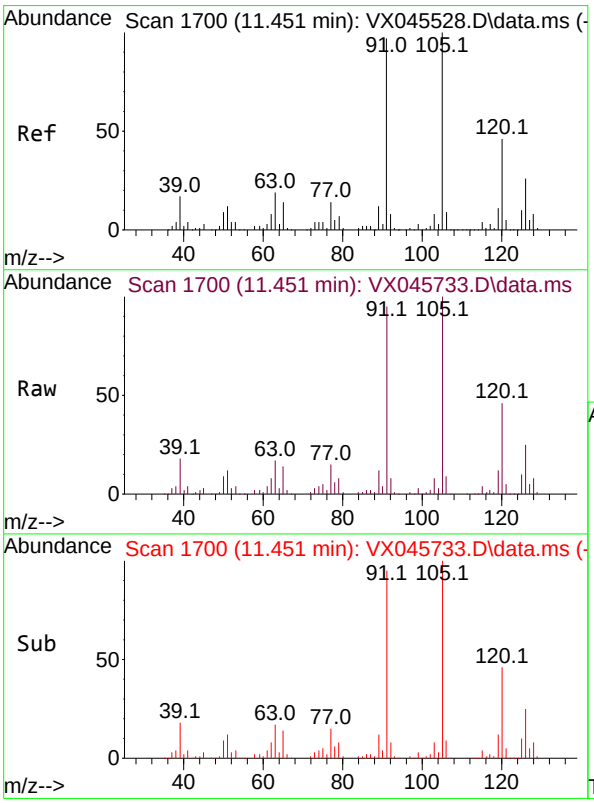
#79
2-Chlorotoluene
Concen: 19.016 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 91 Resp: 72587

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4

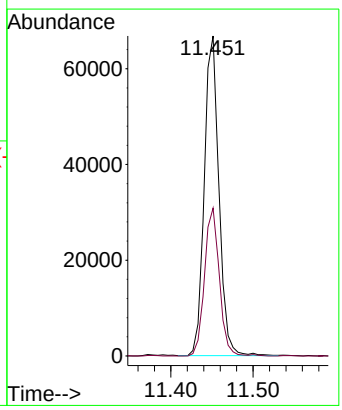


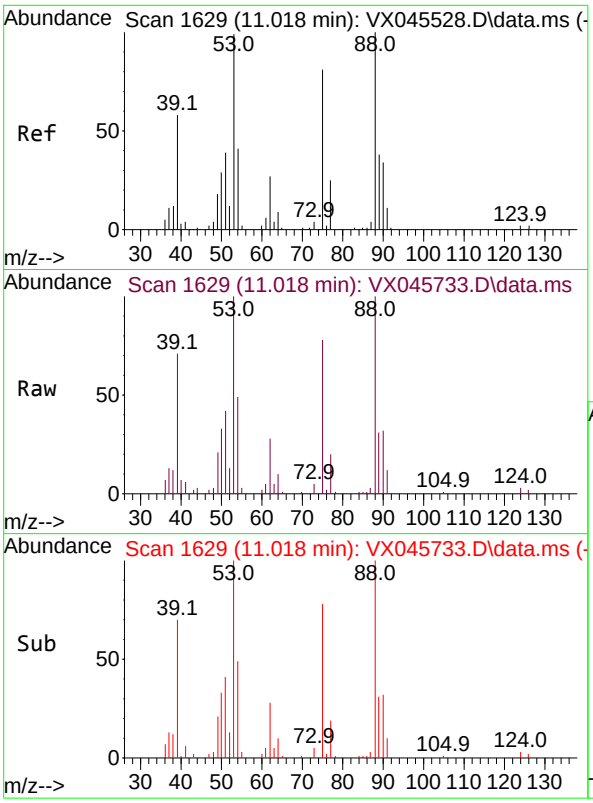


#80
1,3,5-Trimethylbenzene
Concen: 19.276 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 82627

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0



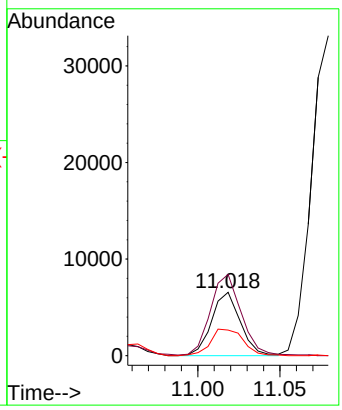


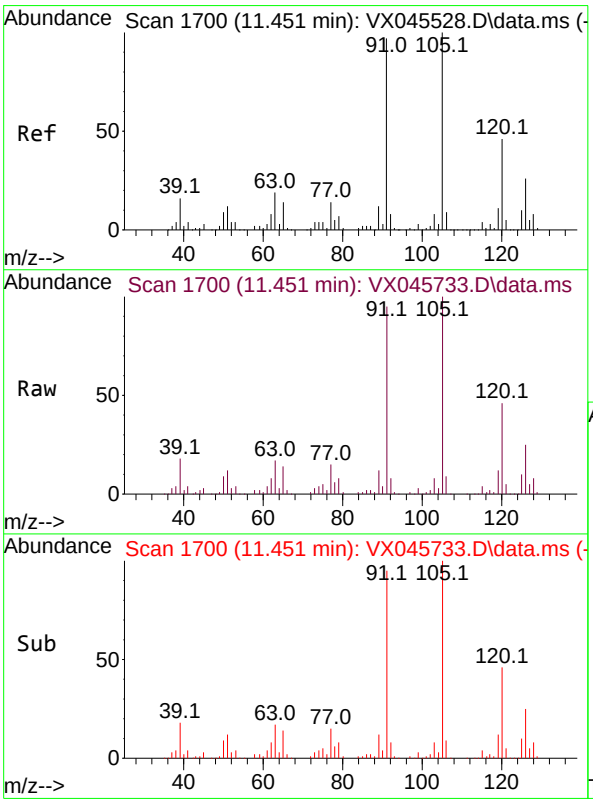
#81
trans-1,4-Dichloro-2-butene
Concen: 17.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 75 Resp: 8026

Ion	Ratio	Lower	Upper
75	100		
53	137.7	101.8	152.6
89	47.6	37.2	55.8

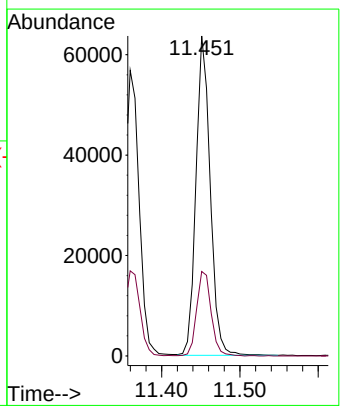


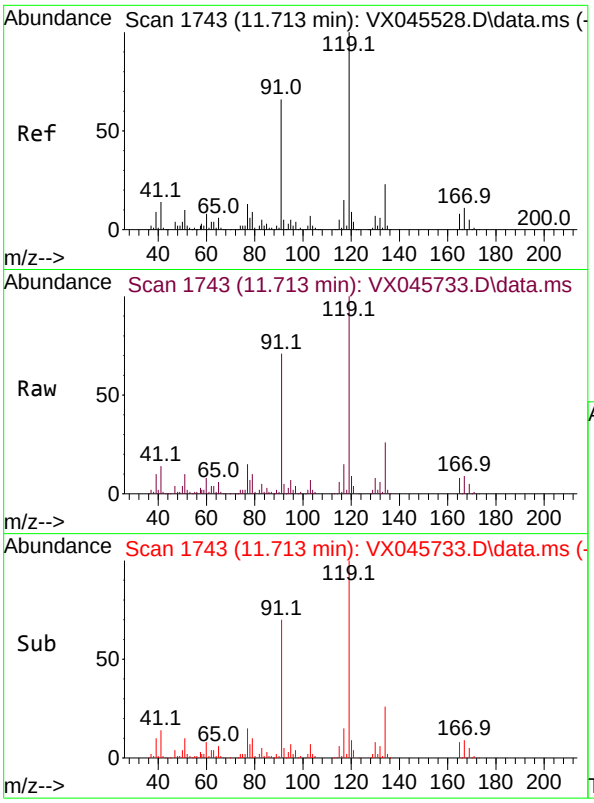


#82
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 80441

Ion	Ratio	Lower	Upper
91	100		
126	27.1	13.3	39.9



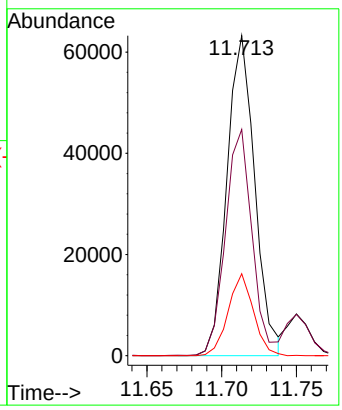


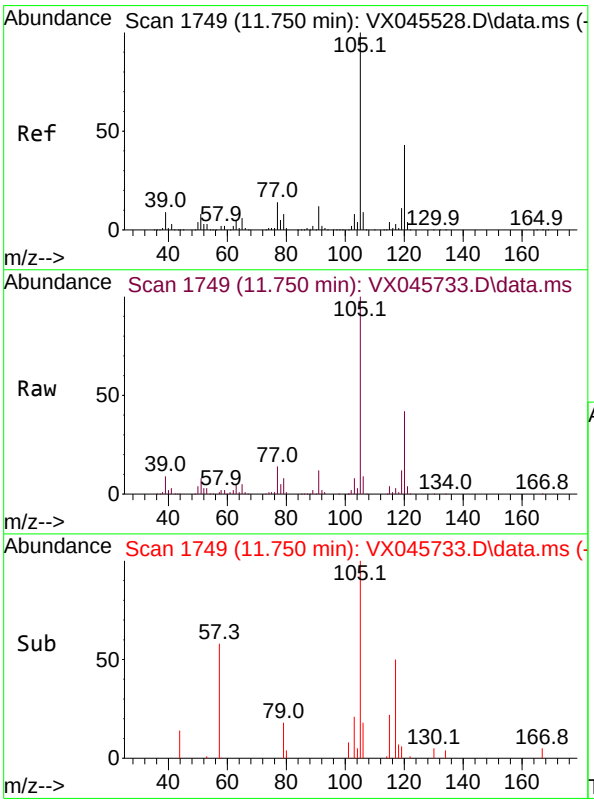
#83
tert-Butylbenzene
Concen: 19.303 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:119 Resp: 81916

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	23.3	11.5	34.5

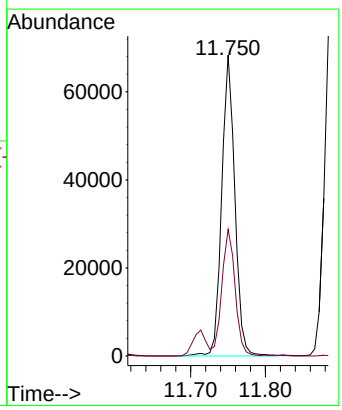


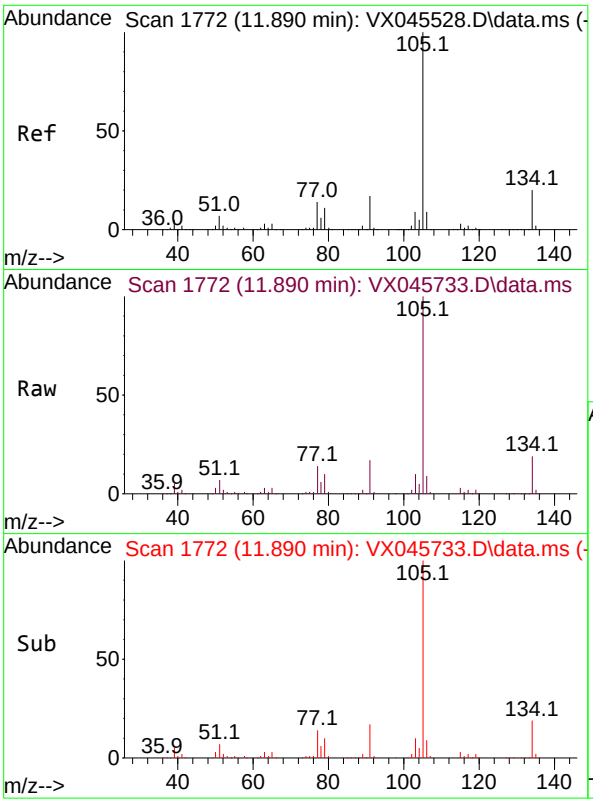


#84
1,2,4-Trimethylbenzene
Concen: 19.476 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 83790

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.4	64.3



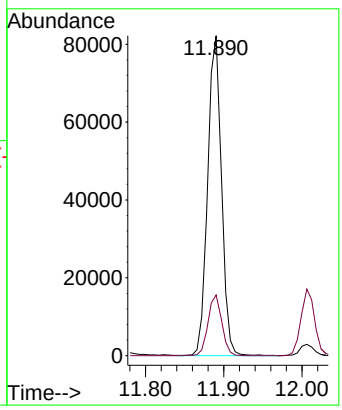


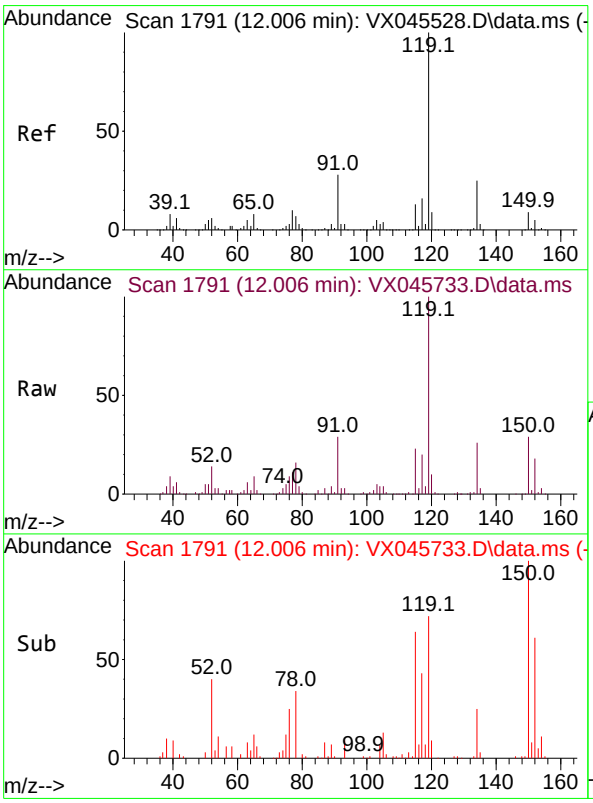
#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:105 Resp: 100614

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

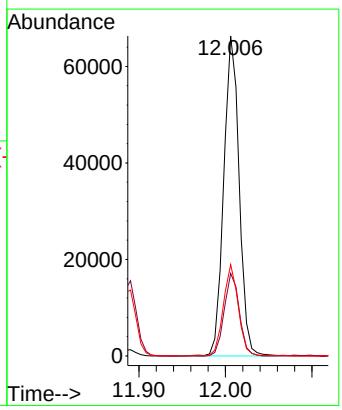


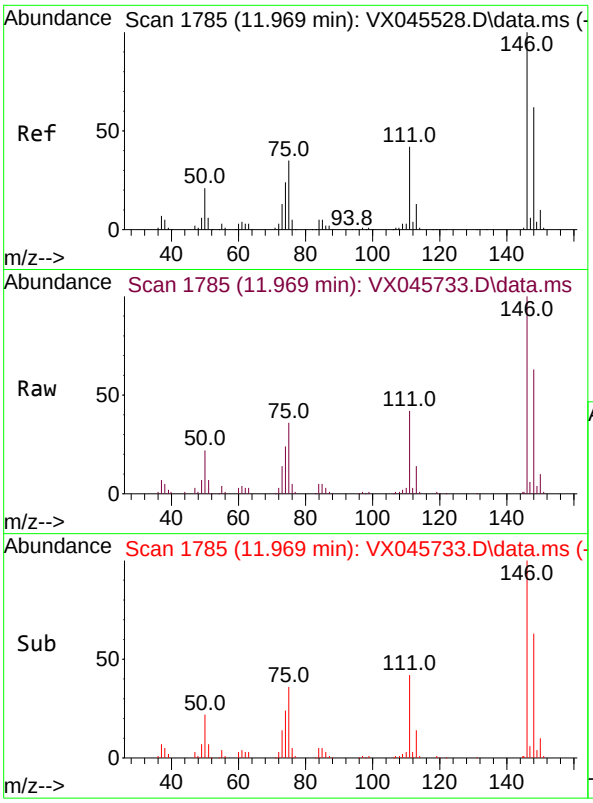


#86
p-Isopropyltoluene
Concen: 19.086 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:119 Resp: 82019

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.6	13.7	41.1



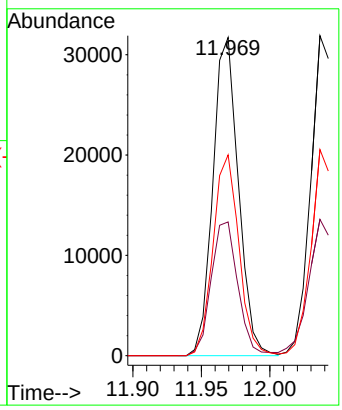


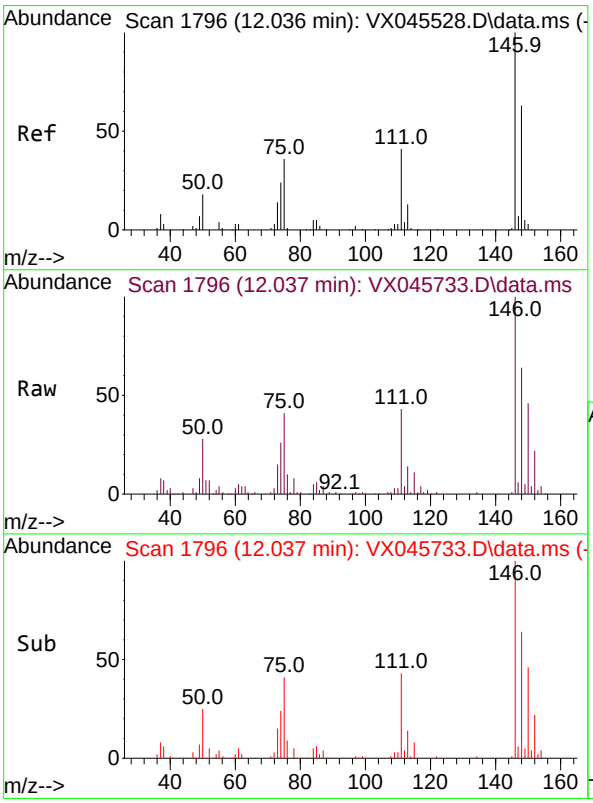
#87
1,3-Dichlorobenzene
Concen: 18.850 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:146 Resp: 41097

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.9	31.9	95.7

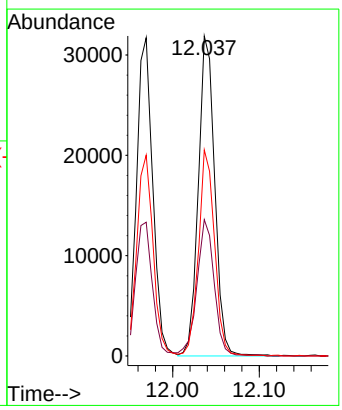


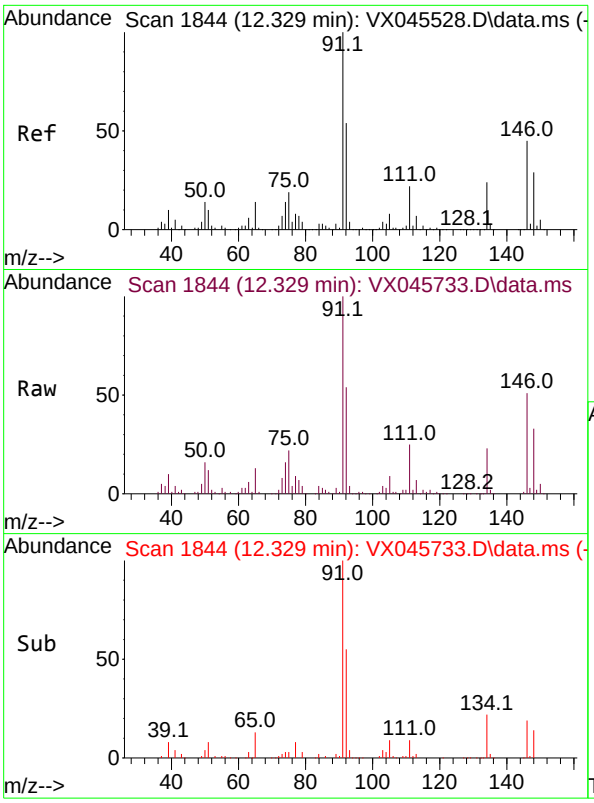


#88
1,4-Dichlorobenzene
Concen: 19.032 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 42067

Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.9	62.8
148	63.3	31.5	94.5



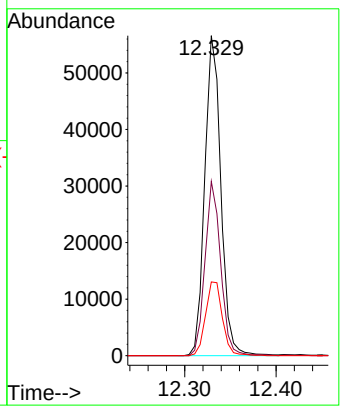


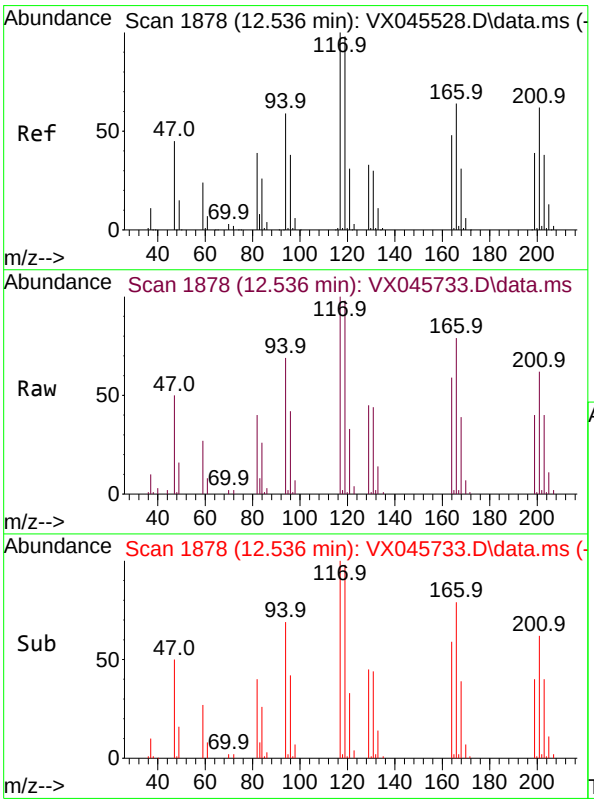
#89
n-Butylbenzene
Concen: 18.556 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion: 91 Resp: 69149

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	24.1	11.9	35.7

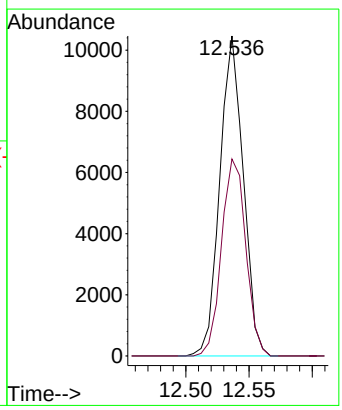


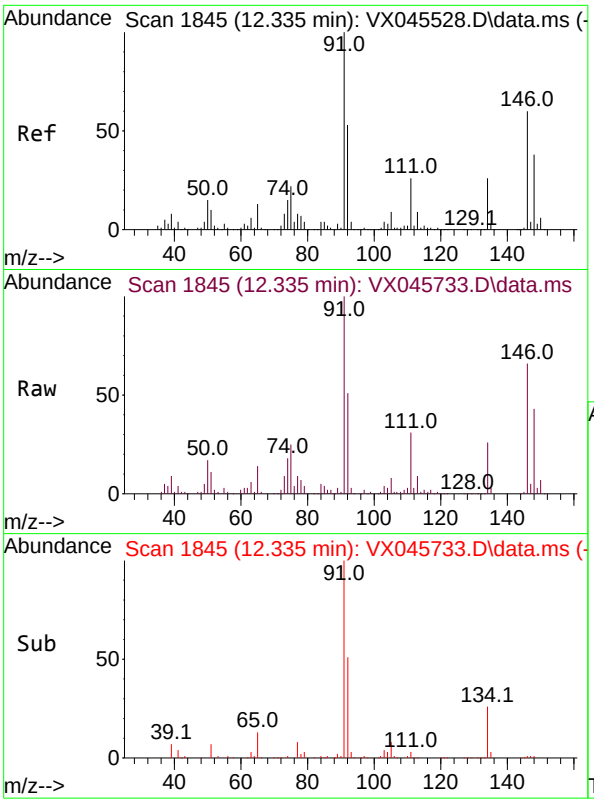


#90
Hexachloroethane
Concen: 18.250 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 13478

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.2	93.6



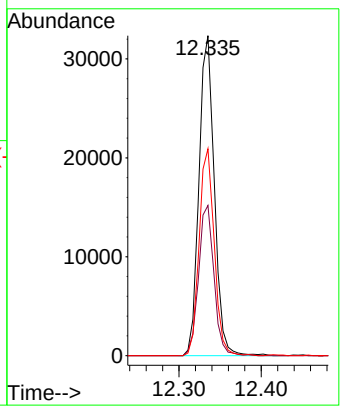


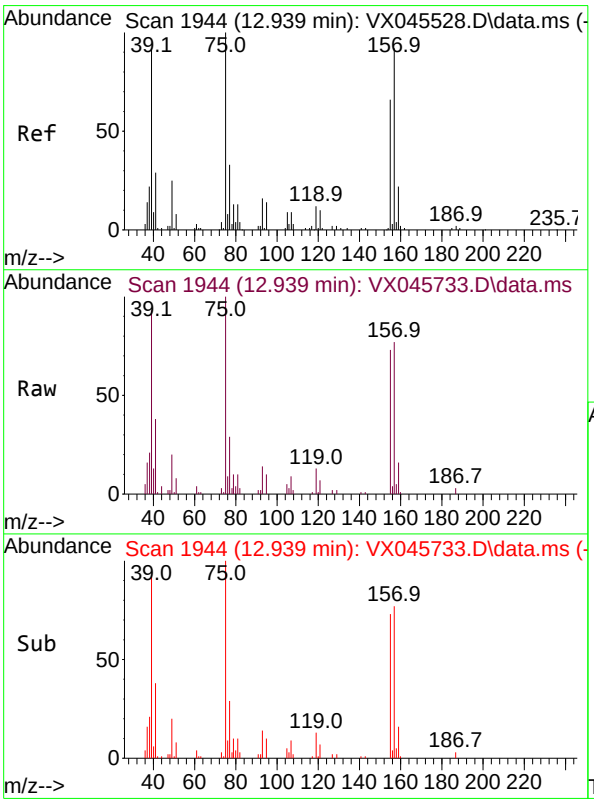
#91
1,2-Dichlorobenzene
Concen: 19.371 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:146 Resp: 41989

Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.9	68.8
148	63.6	31.9	95.5

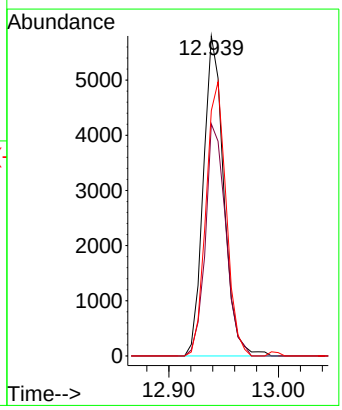


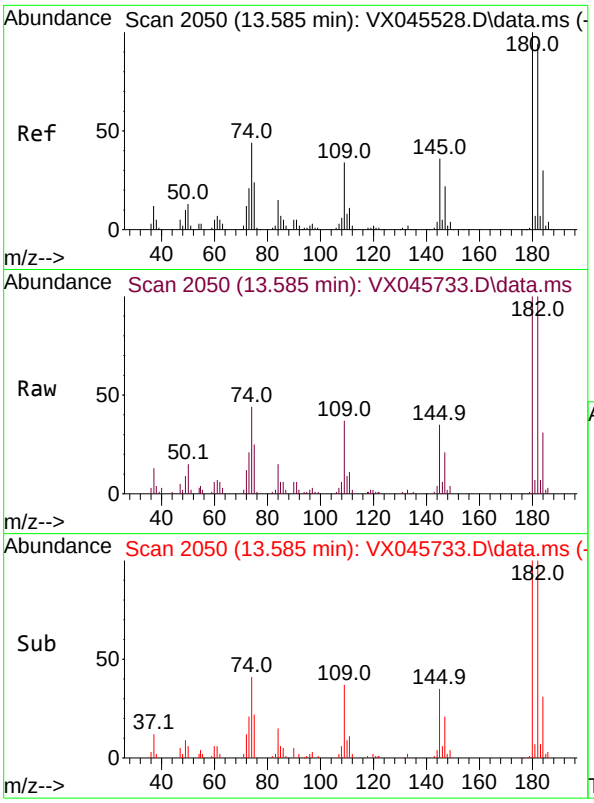


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.678 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 7494

Ion	Ratio	Lower	Upper
75	100		
155	72.1	34.9	104.7
157	84.7	44.9	134.7



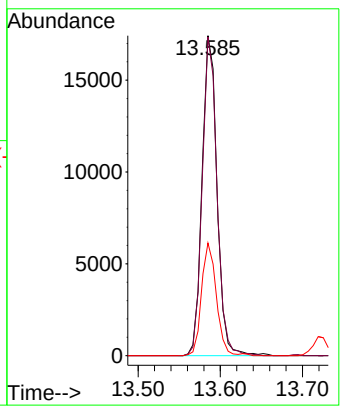


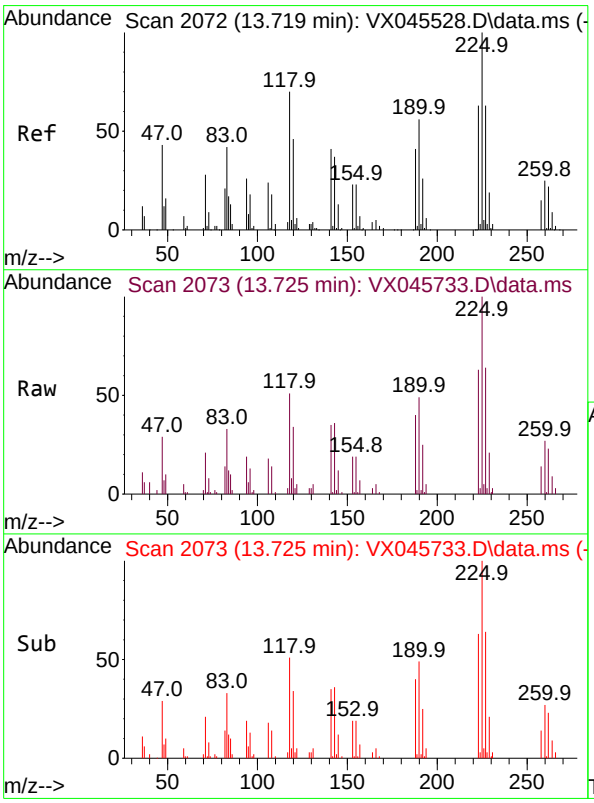
#93
1,2,4-Trichlorobenzene
Concen: 18.258 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:180 Resp: 22029

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.9	143.6
145	35.0	17.9	53.8

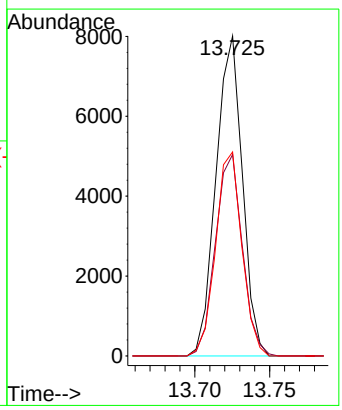


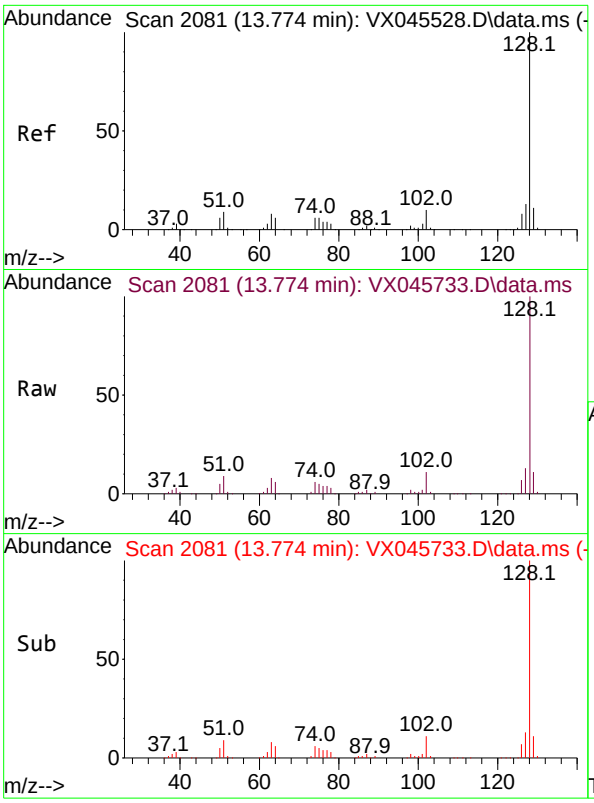


#94
Hexachlorobutadiene
Concen: 18.901 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:225 Resp: 9827

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.3
227	63.5	32.2	96.6



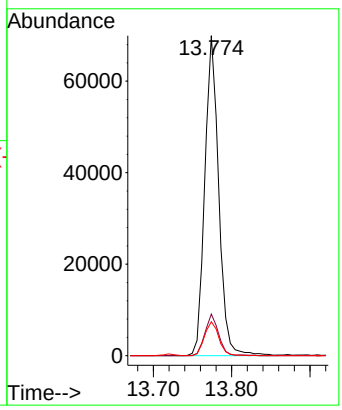


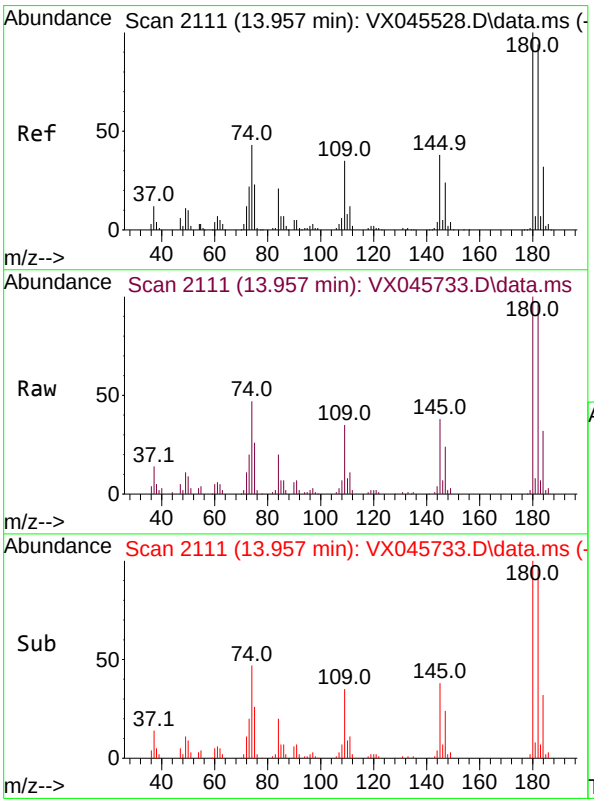
#95
Naphthalene
Concen: 19.203 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Tgt Ion:128 Resp: 86221

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.6	12.8

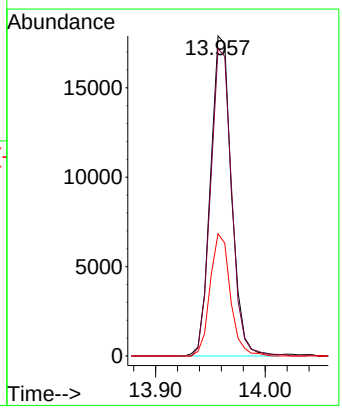




#96
1,2,3-Trichlorobenzene
Concen: 18.866 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:180 Resp: 23835

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	36.8	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	84320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80683	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	53111	49.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	183285	49.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	11.079	95	71699	52.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24625	19.528	ug/l	98
3) Chloromethane	1.307	50	23327	18.007	ug/l	100
4) Vinyl Chloride	1.374	62	20906	17.634	ug/l	95
5) Bromomethane	1.593	94	9876	17.569	ug/l	99
6) Chloroethane	1.660	64	11924	18.957	ug/l	92
7) Trichlorofluoromethane	1.867	101	34101	19.289	ug/l	98
8) Diethyl Ether	2.130	74	11527	19.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20130	19.431	ug/l	97
10) Methyl Iodide	2.441	142	22790	17.637	ug/l	99
11) Tert butyl alcohol	2.983	59	22438	108.275	ug/l	99
12) 1,1-Dichloroethene	2.306	96	18161	17.941	ug/l	98
13) Acrolein	2.233	56	27599	96.712	ug/l	99
14) Allyl chloride	2.654	41	36269	18.884	ug/l	99
15) Acrylonitrile	3.062	53	64772	99.016	ug/l	98
16) Acetone	2.386	43	63457	100.219	ug/l	98
17) Carbon Disulfide	2.502	76	36188	14.474	ug/l	98
18) Methyl Acetate	2.703	43	33397	22.909	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	72099	20.361	ug/l	99
20) Methylene Chloride	2.782	84	22948	19.359	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	19175	18.542	ug/l	94
22) Diisopropyl ether	3.763	45	74151	19.599	ug/l	97
23) Vinyl Acetate	3.721	43	320471	98.039	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41001	19.162	ug/l	99
25) 2-Butanone	4.556	43	95825	103.387	ug/l	98
26) 2,2-Dichloropropane	4.465	77	28763	20.806	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23213	18.424	ug/l	96
28) Bromochloromethane	4.891	49	26597	25.723	ug/l	98
29) Tetrahydrofuran	5.007	42	59004	98.191	ug/l	99
30) Chloroform	5.086	83	43373	19.700	ug/l	93
31) Cyclohexane	5.464	56	34507	18.243	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	36032	19.341	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26656	18.517	ug/l	97
37) Ethyl Acetate	4.715	43	35089	19.342	ug/l	98
38) Carbon Tetrachloride	5.672	117	29414	18.906	ug/l	93
39) Methylcyclohexane	7.379	83	32952	18.674	ug/l	96
40) Benzene	6.031	78	82159	18.687	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19564	20.439	ug/l		97
42) 1,2-Dichloroethane	6.080	62	36989	20.370	ug/l		99
43) Isopropyl Acetate	6.342	43	55460	20.170	ug/l		99
44) Trichloroethene	7.123	130	19251	18.422	ug/l		99
45) 1,2-Dichloropropane	7.427	63	21096	19.231	ug/l		93
46) Dibromomethane	7.574	93	16560	19.665	ug/l		97
47) Bromodichloromethane	7.818	83	32810	19.510	ug/l		97
48) Methyl methacrylate	7.696	41	28607	20.151	ug/l		99
49) 1,4-Dioxane	7.659	88	11098	432.076	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	195029	106.998	ug/l		99
52) Toluene	8.714	92	50898	19.132	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27223	18.352	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	31424	19.884	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	21082	19.886	ug/l		97
56) Ethyl methacrylate	9.116	69	34367	20.947	ug/l		99
57) 1,3-Dichloropropane	9.305	76	38320	20.758	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	91986	110.832	ug/l		100
59) 2-Hexanone	9.427	43	143752	106.500	ug/l		99
60) Dibromochloromethane	9.519	129	22170	19.183	ug/l		100
61) 1,2-Dibromoethane	9.610	107	21539	20.071	ug/l		100
64) Tetrachloroethene	9.269	164	17919	19.248	ug/l		97
65) Chlorobenzene	10.079	112	55155	19.575	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	18774	19.192	ug/l		99
67) Ethyl Benzene	10.189	91	98437	19.506	ug/l		98
68) m/p-Xylenes	10.299	106	71463	38.936	ug/l		98
69) o-Xylene	10.640	106	35702	19.746	ug/l		98
70) Styrene	10.653	104	60067	20.128	ug/l		99
71) Bromoform	10.799	173	13766	18.847	ug/l	#	97
73) Isopropylbenzene	10.957	105	95325	18.828	ug/l		99
74) N-amyl acetate	10.841	43	47908	19.782	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	33971	19.101	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	36001	23.351	ug/l		91
77) Bromobenzene	11.195	156	21636	18.496	ug/l		99
78) n-propylbenzene	11.305	91	109219	18.729	ug/l		100
79) 2-Chlorotoluene	11.360	91	70992	19.042	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82413	19.685	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7708	16.968	ug/l		89
82) 4-Chlorotoluene	11.451	91	79146	19.041	ug/l		100
83) tert-Butylbenzene	11.713	119	81006	19.544	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	81630	19.427	ug/l		99
85) sec-Butylbenzene	11.890	105	100015	19.646	ug/l		99
86) p-Isopropyltoluene	12.006	119	80710	19.230	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39819	18.700	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40207	18.625	ug/l		97
89) n-Butylbenzene	12.329	91	70013	19.237	ug/l		98
90) Hexachloroethane	12.536	117	12972	17.984	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41172	19.448	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7559	20.323	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	23156	19.650	ug/l		95
94) Hexachlorobutadiene	13.725	225	9675	19.053	ug/l		98
95) Naphthalene	13.774	128	87280	19.903	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	23791	19.280	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

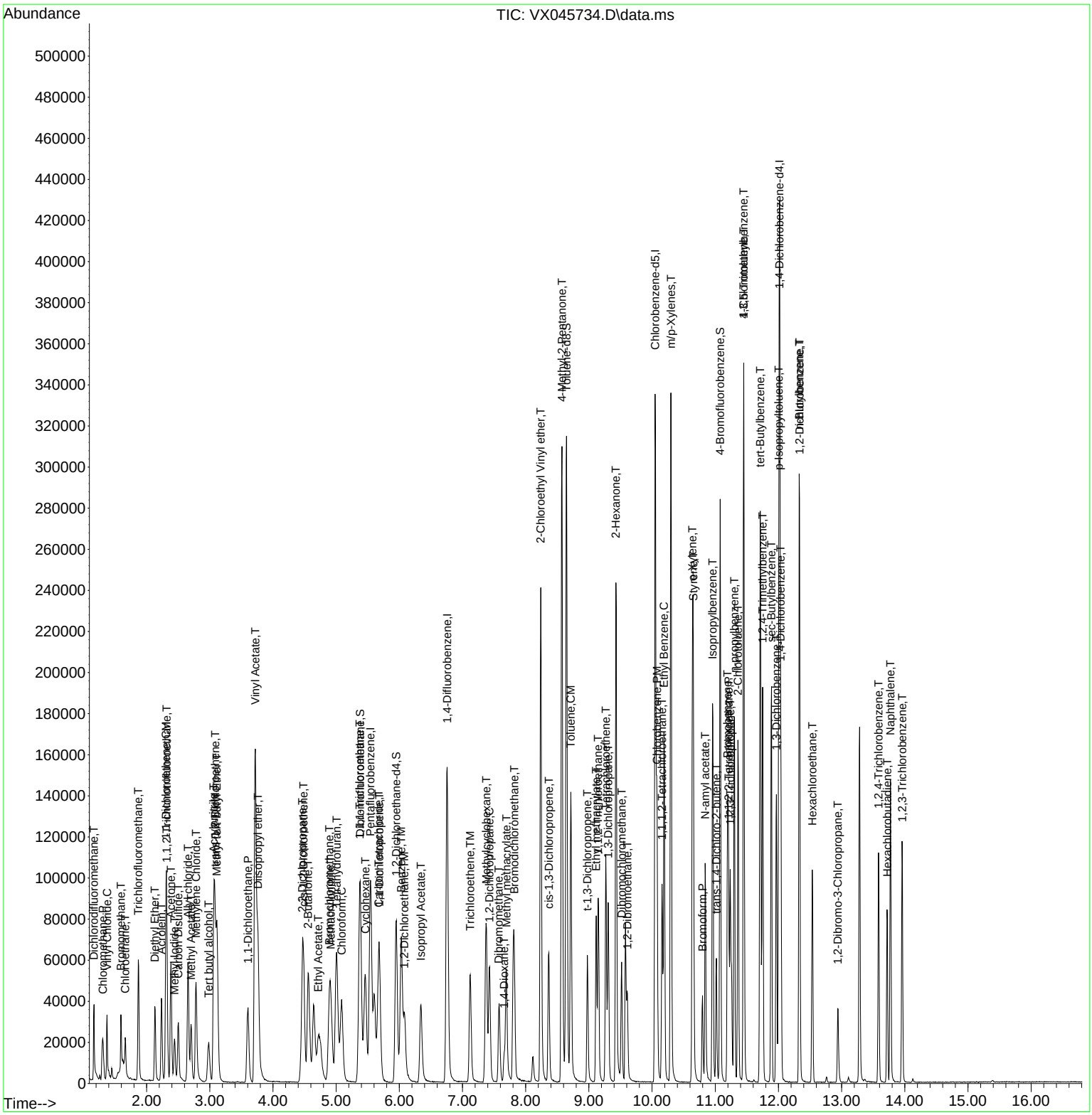
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

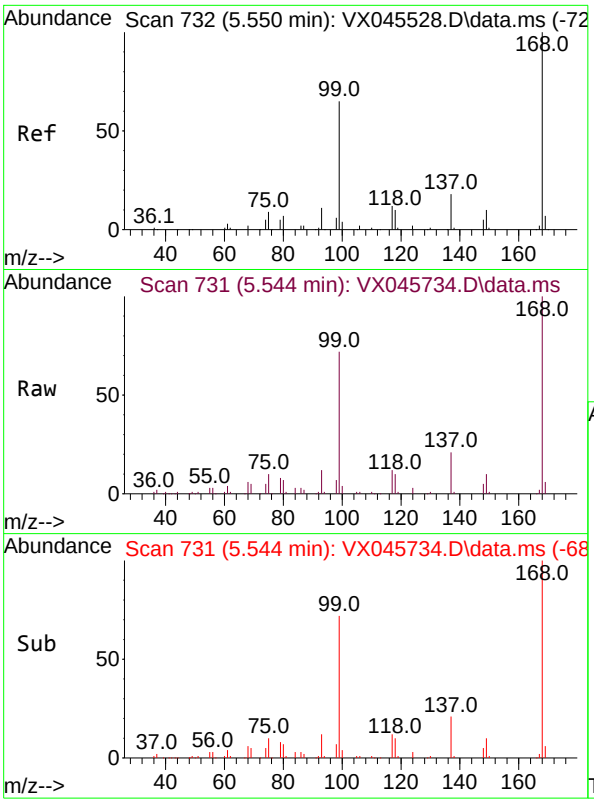
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



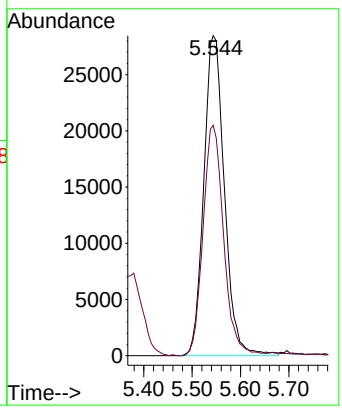


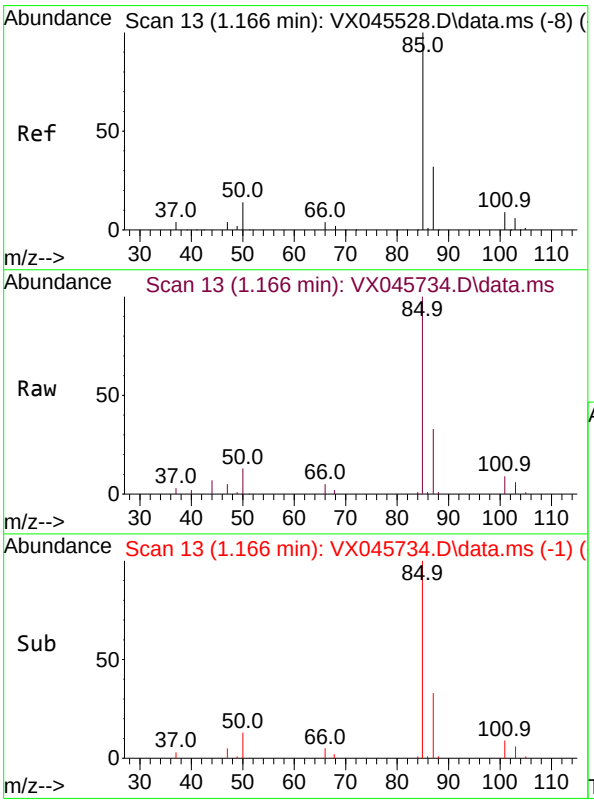
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:168 Resp: 84320

Ion	Ratio	Lower	Upper
168	100		
99	72.0	52.3	78.5

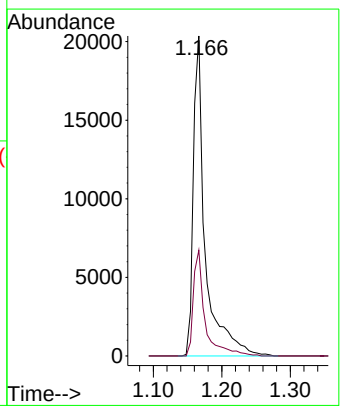


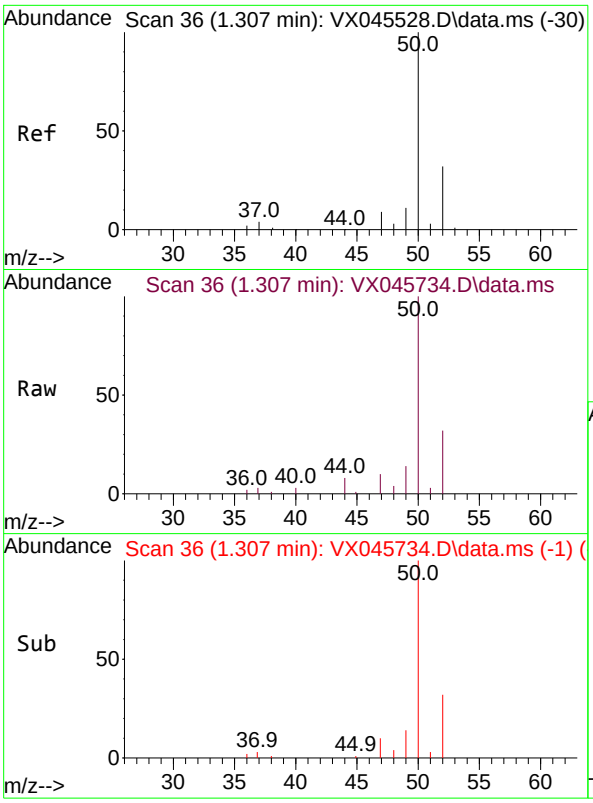


#2
Dichlorodifluoromethane
Concen: 19.528 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 85 Resp: 24625

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.2



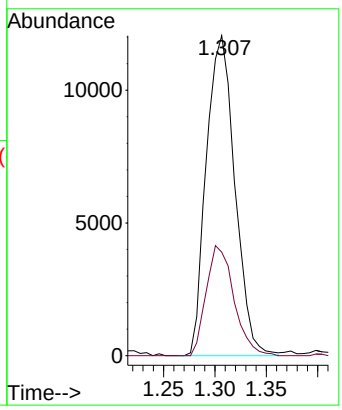


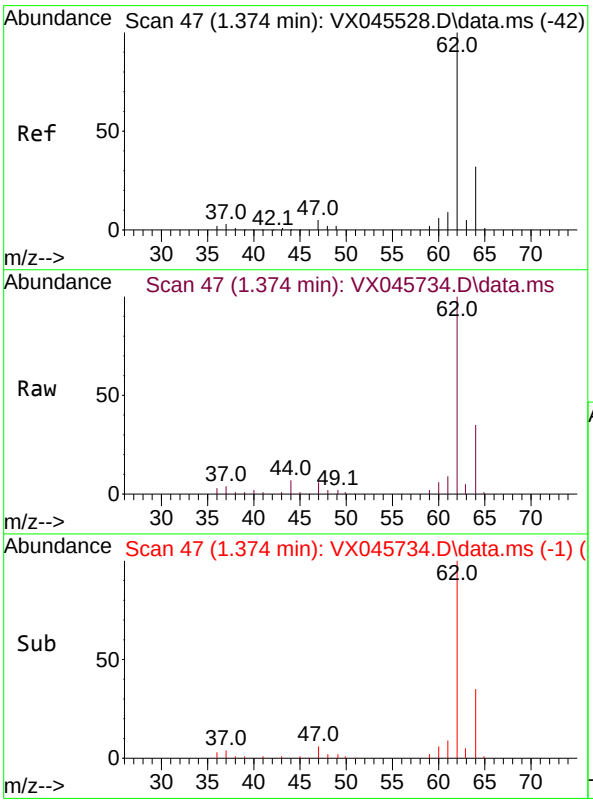
#3
Chloromethane
Concen: 18.007 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 50 Resp: 23327

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

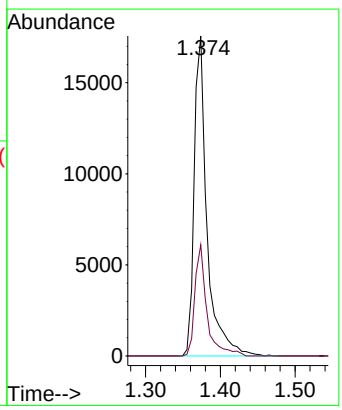


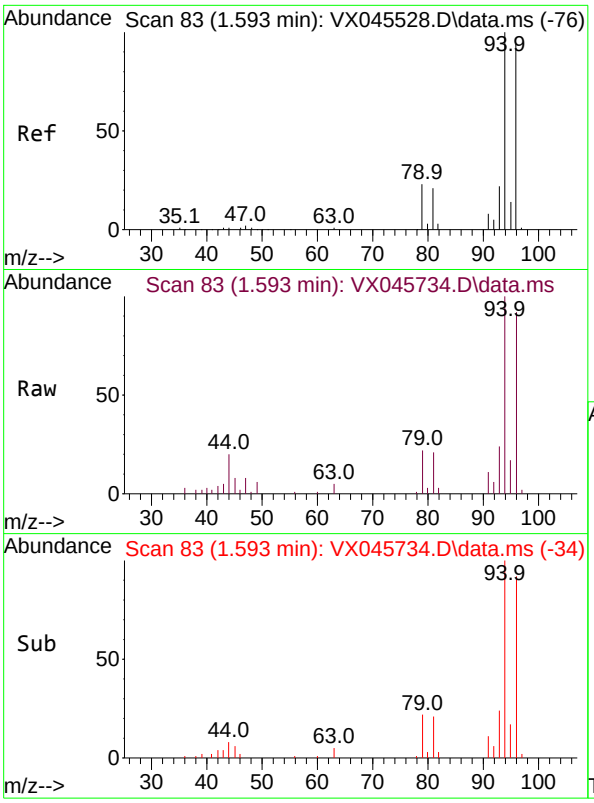


#4
Vinyl Chloride
Concen: 17.634 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 20906

Ion	Ratio	Lower	Upper
62	100		
64	34.7	25.5	38.3



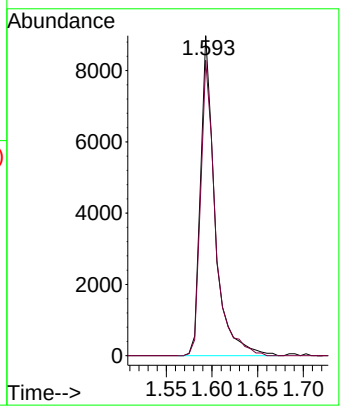


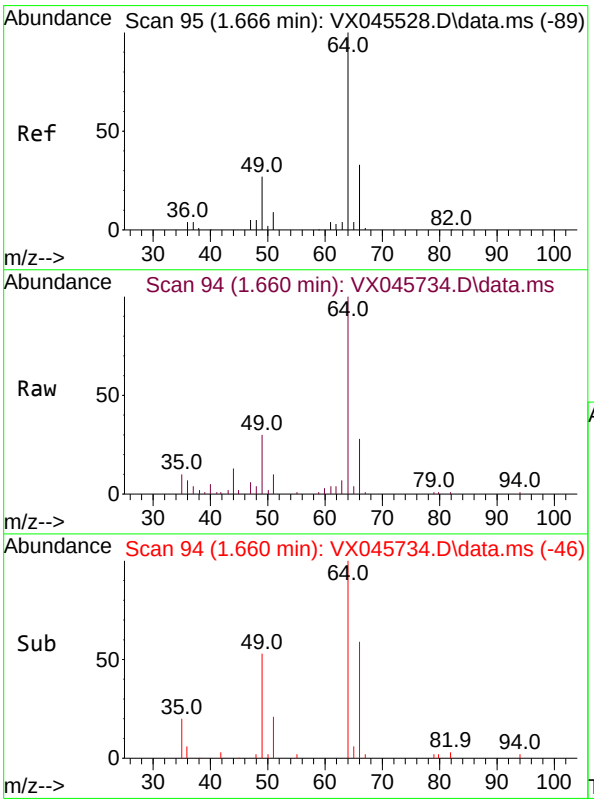
#5
Bromomethane
Concen: 17.569 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 94 Resp: 9876

Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.8	112.2

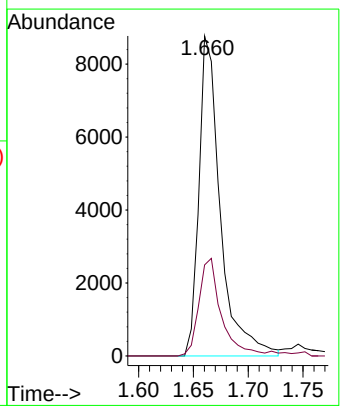


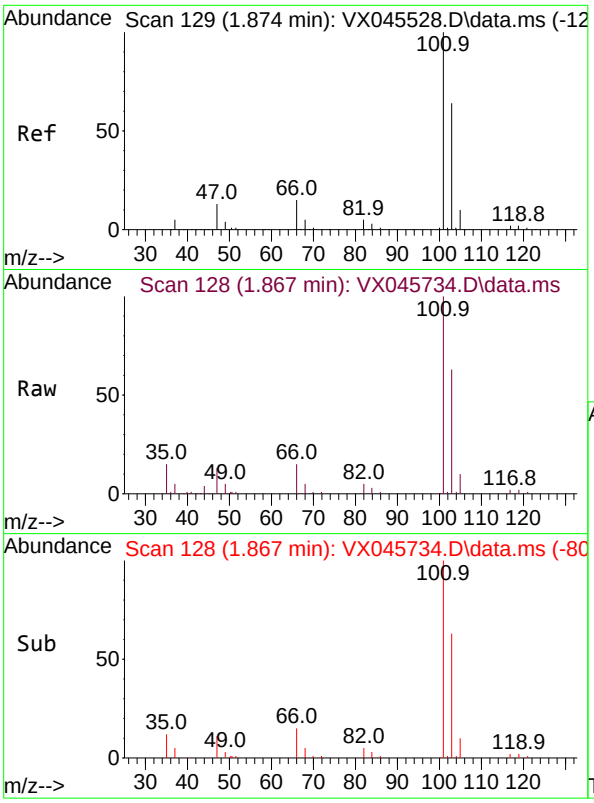


#6
Chloroethane
Concen: 18.957 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 64 Resp: 11924

Ion	Ratio	Lower	Upper
64	100		
66	28.4	26.3	39.5



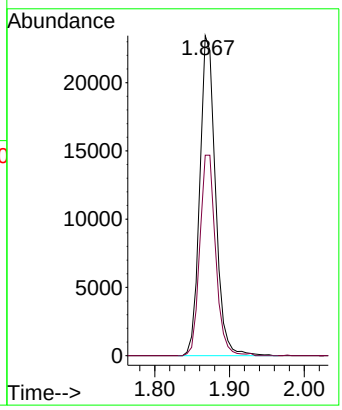


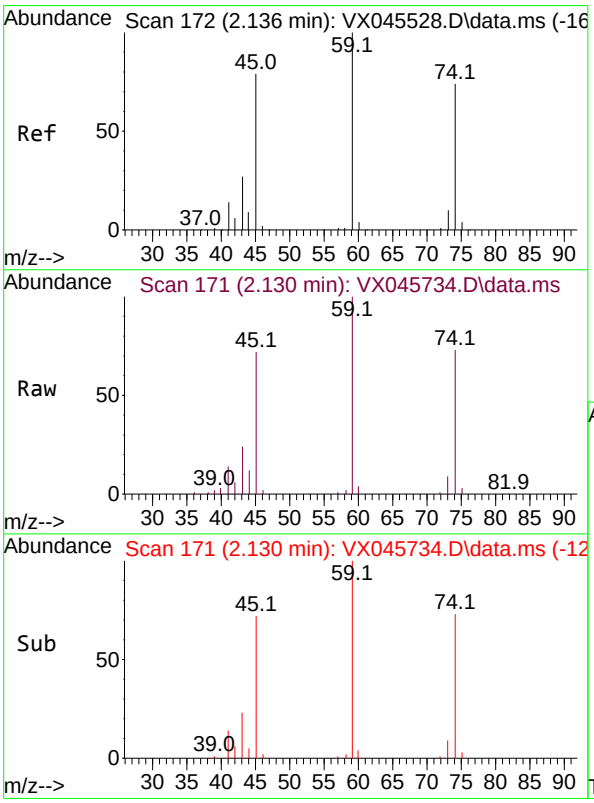
#7
Trichlorofluoromethane
Concen: 19.289 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:101 Resp: 34101

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.1	76.7

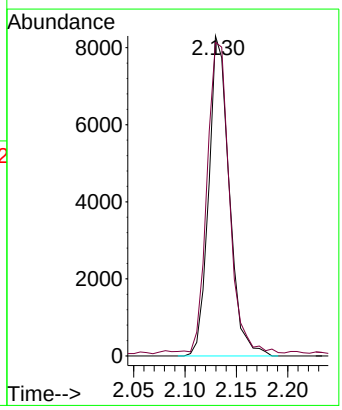


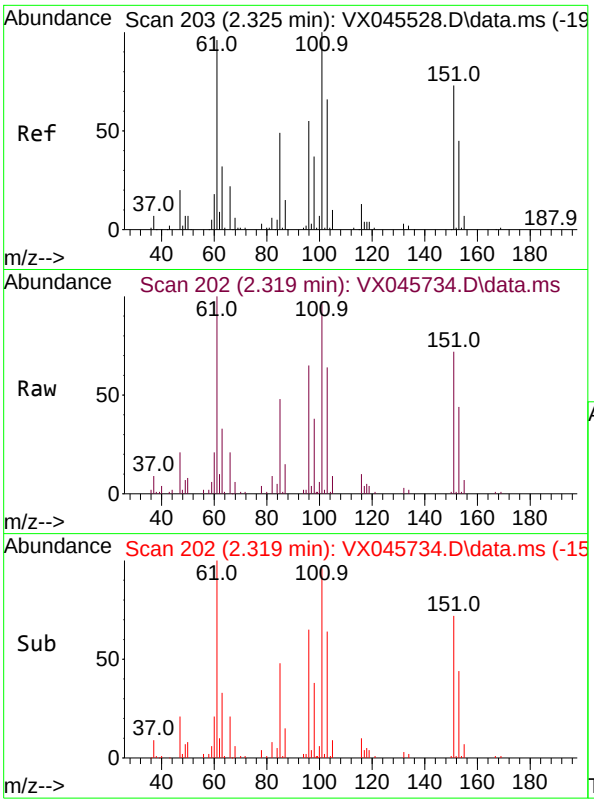


#8
Diethyl Ether
Concen: 19.421 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 74 Resp: 11527

Ion	Ratio	Lower	Upper
74	100		
45	104.9	53.0	159.1



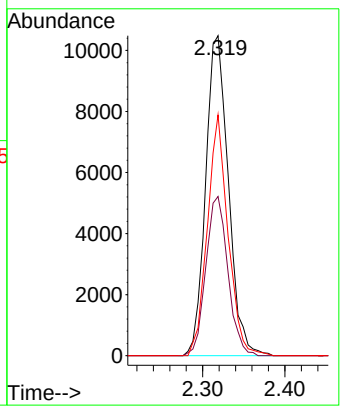


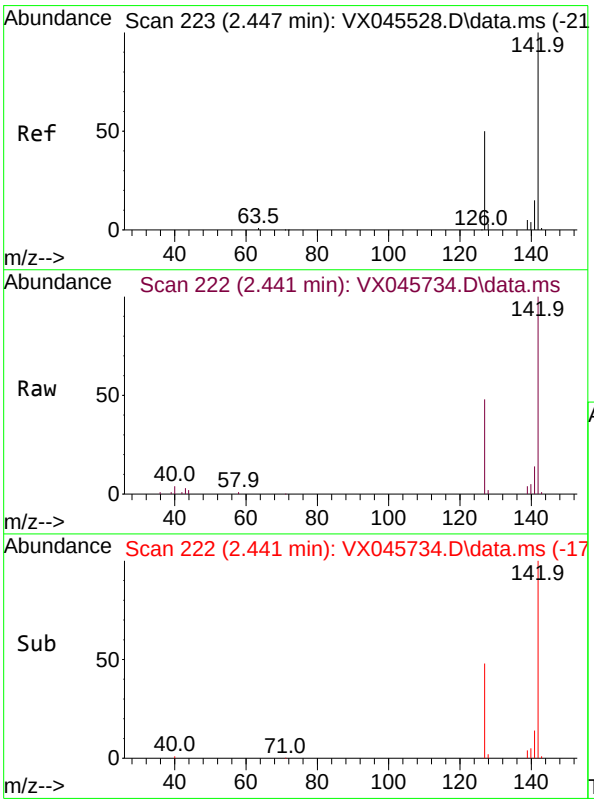
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.431 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:101 Resp: 20130

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.9	58.3
151	68.5	57.5	86.3

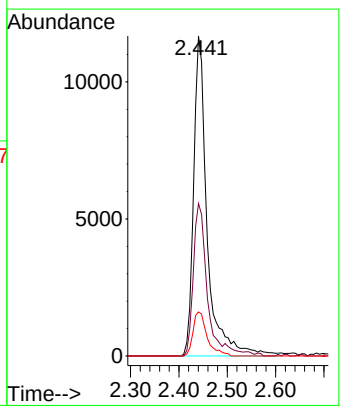


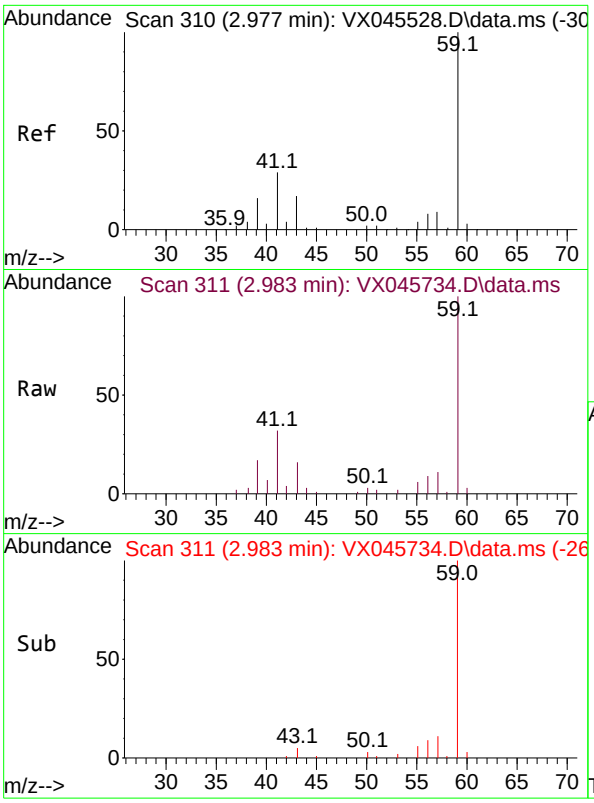


#10
Methyl Iodide
Concen: 17.637 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:142 Resp: 22790

Ion	Ratio	Lower	Upper
142	100		
127	49.6	40.2	60.4
141	14.2	11.7	17.5



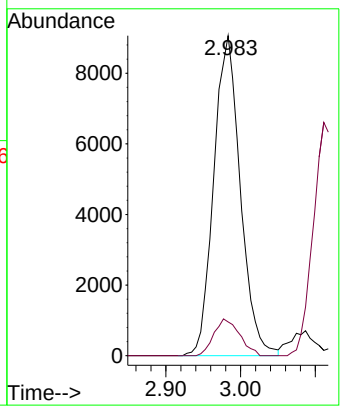


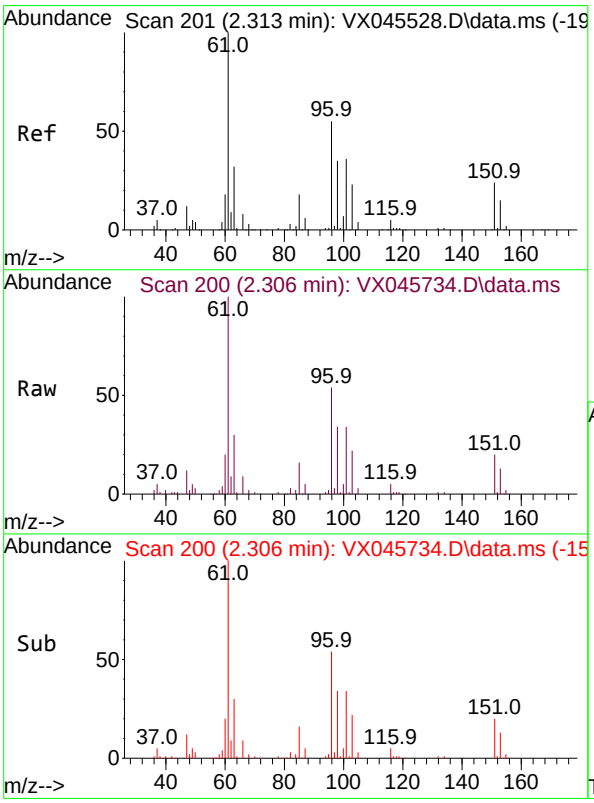
#11
Tert butyl alcohol
Concen: 108.275 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 59 Resp: 22438

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

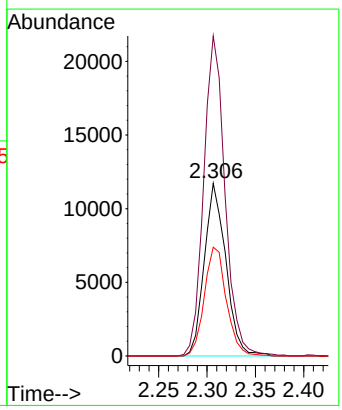


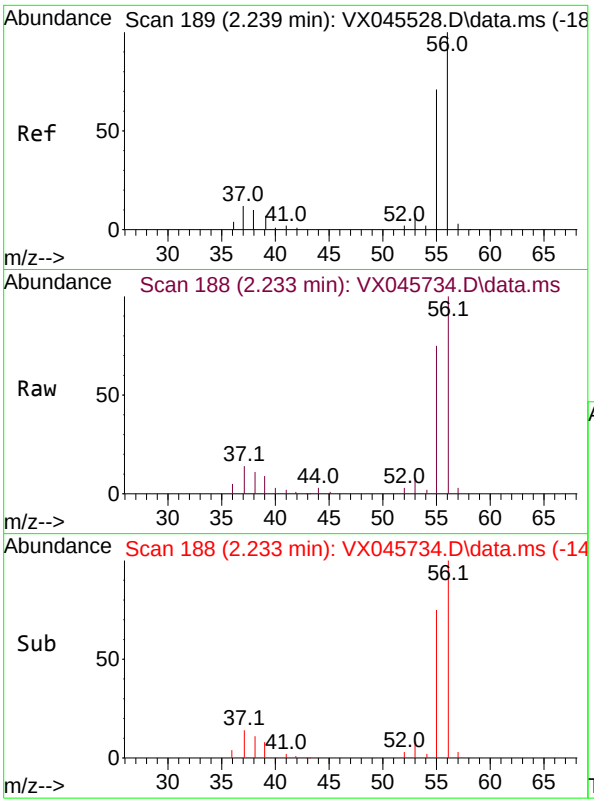


#12
1,1-Dichloroethene
Concen: 17.941 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 18161

Ion	Ratio	Lower	Upper
96	100		
61	185.3	145.7	218.5
98	63.0	51.6	77.4



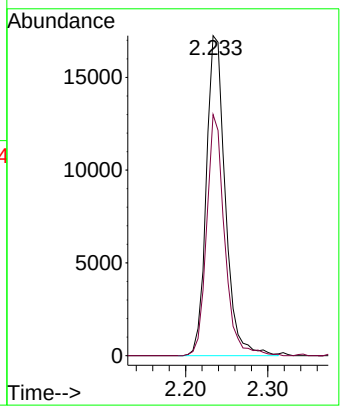


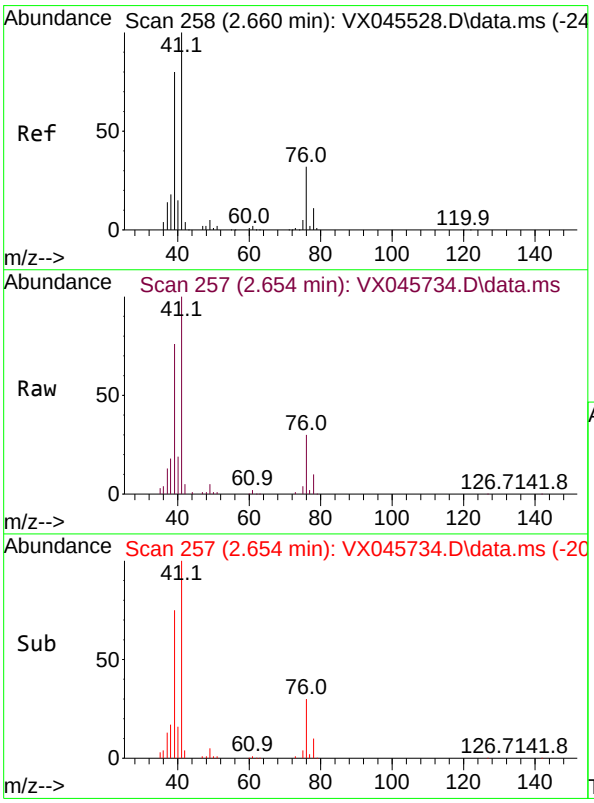
#13
Acrolein
Concen: 96.712 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 56 Resp: 27599

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2

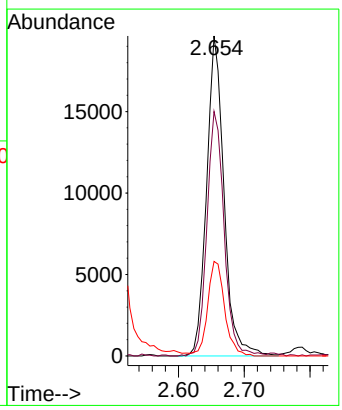


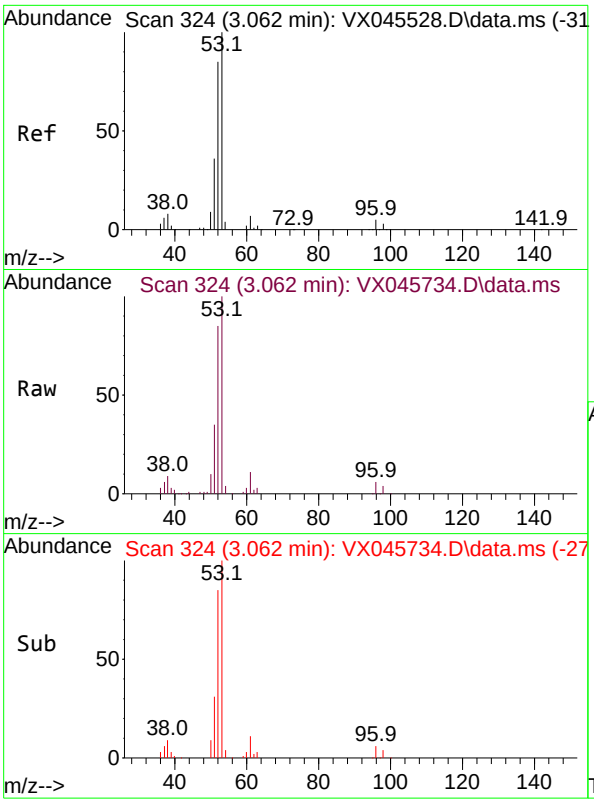


#14
Allyl chloride
Concen: 18.884 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 36269

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	28.8	24.6	36.8



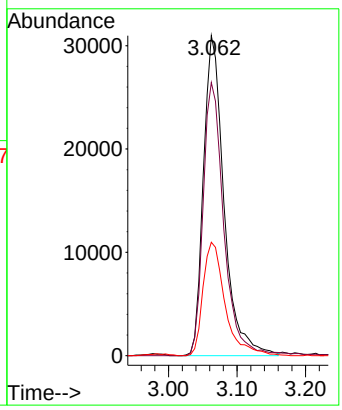


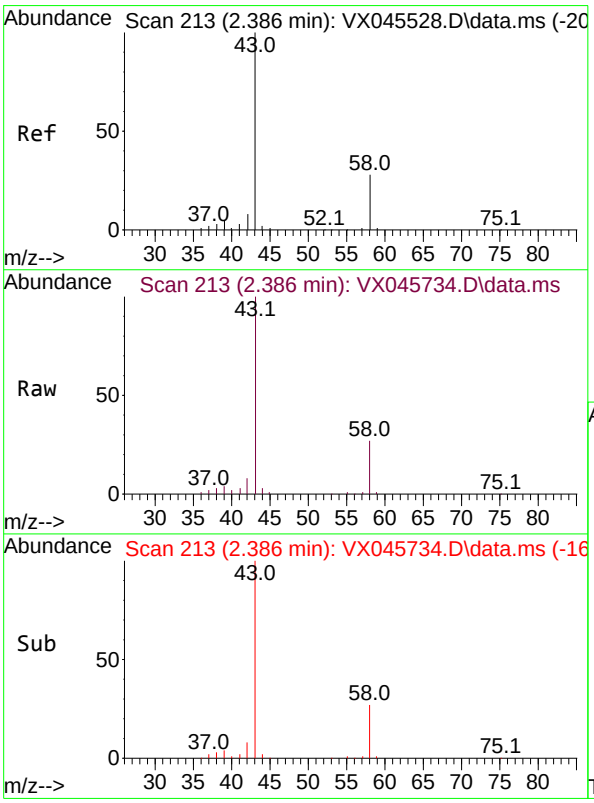
#15
Acrylonitrile
Concen: 99.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 53 Resp: 64772

Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.4	101.2
51	38.1	29.9	44.9

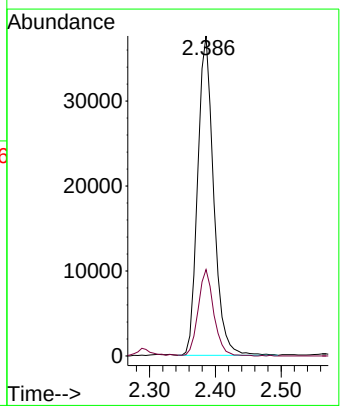


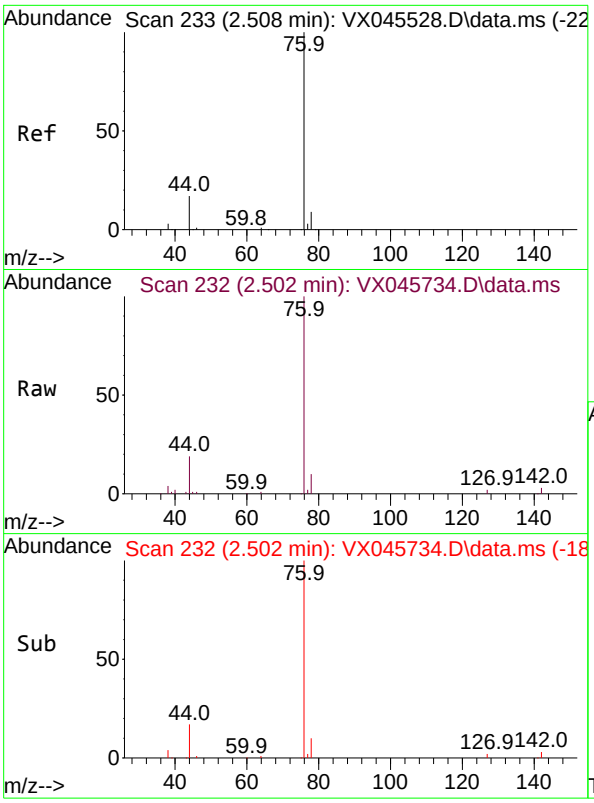


#16
Acetone
Concen: 100.219 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 63457

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5



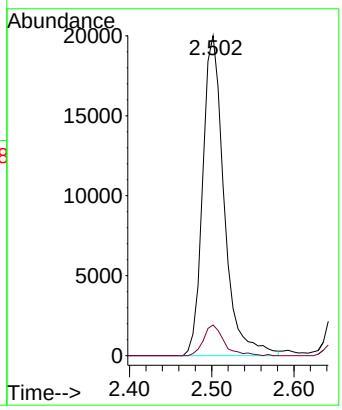


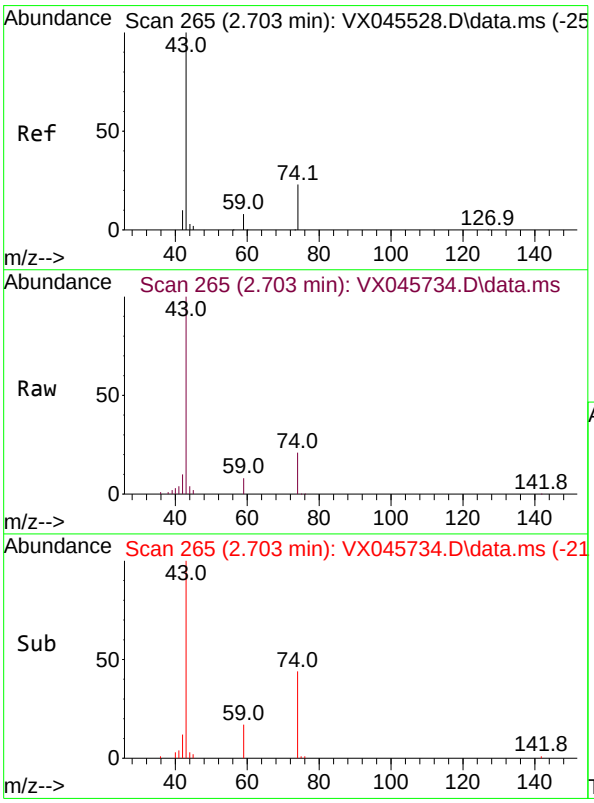
#17
Carbon Disulfide
Concen: 14.474 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 76 Resp: 36188

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

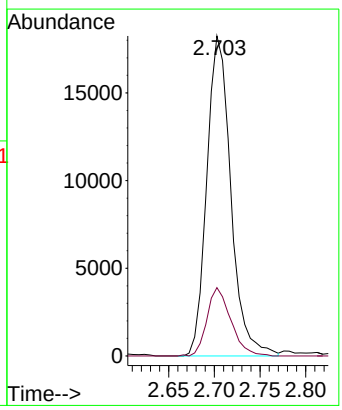


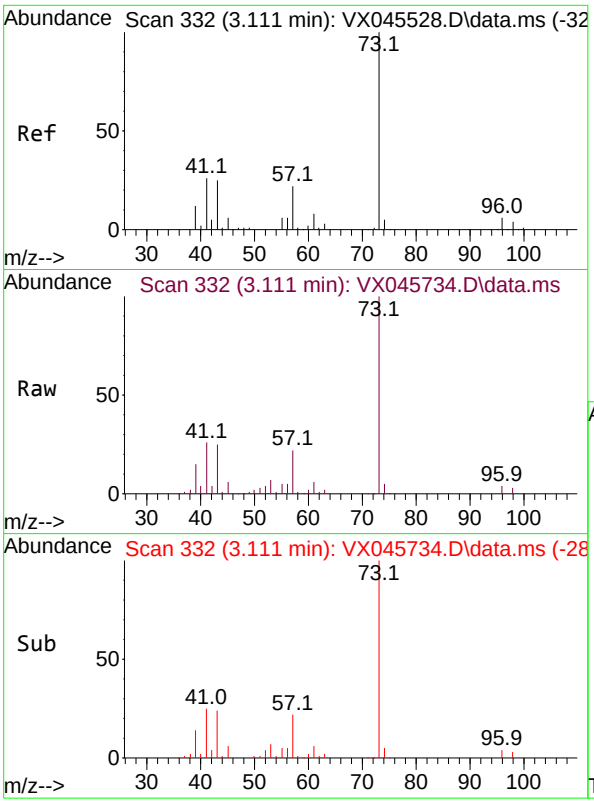


#18
Methyl Acetate
Concen: 22.909 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 33397

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.5	26.3



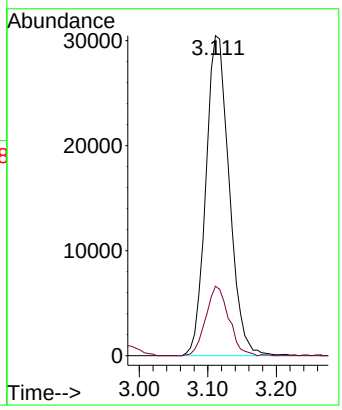


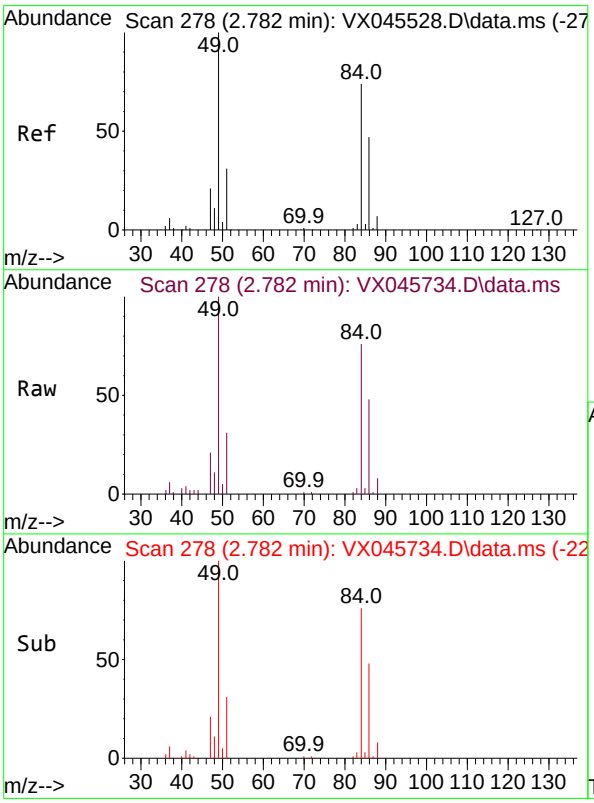
#19
Methyl tert-butyl Ether
Concen: 20.361 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 73 Resp: 72099

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4

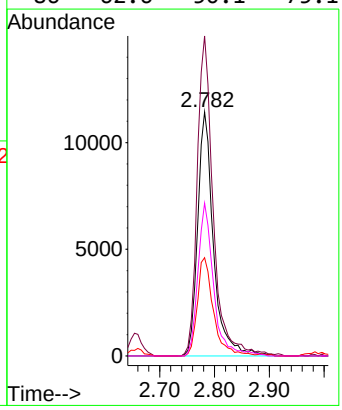


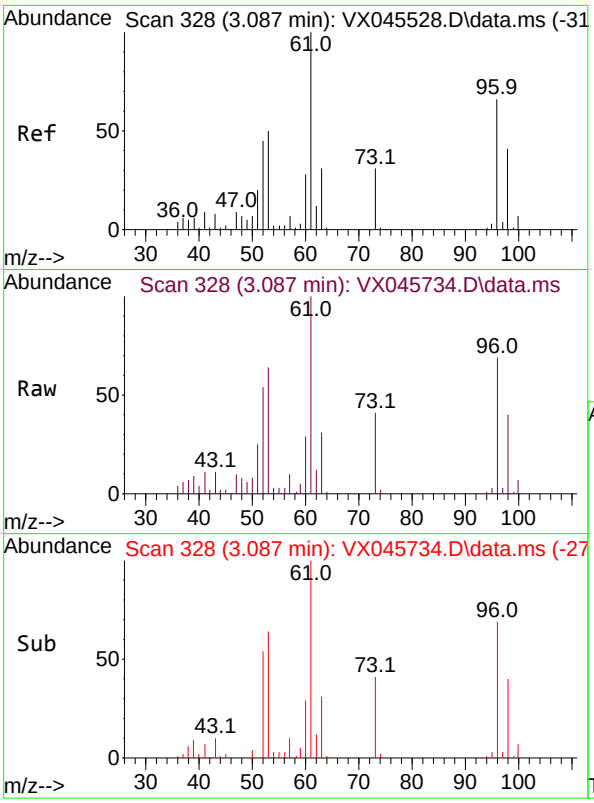


#20
Methylene Chloride
Concen: 19.359 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 84 Resp: 22948

Ion	Ratio	Lower	Upper
84	100		
49	131.1	107.5	161.3
51	40.3	33.0	49.6
86	62.6	50.1	75.1



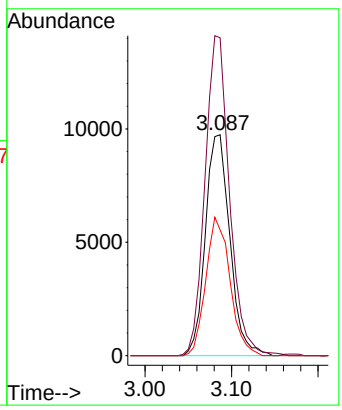


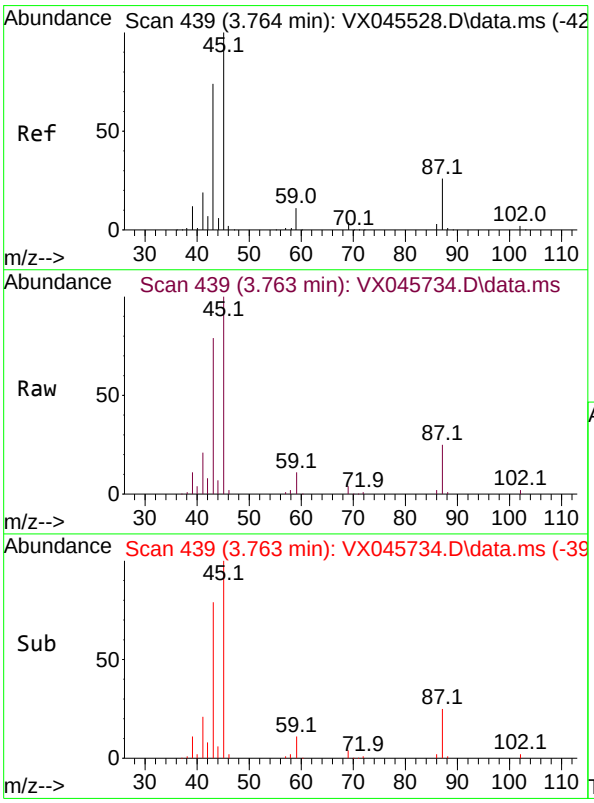
#21
trans-1,2-Dichloroethene
Concen: 18.542 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 96 Resp: 19175

Ion	Ratio	Lower	Upper
96	100		
61	143.9	121.0	181.6
98	56.9	49.7	74.5

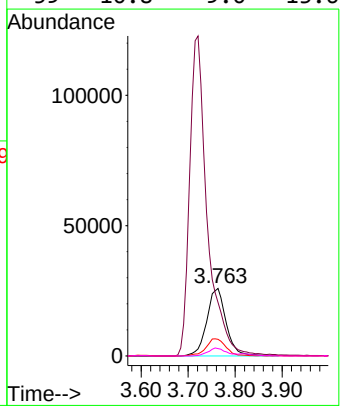


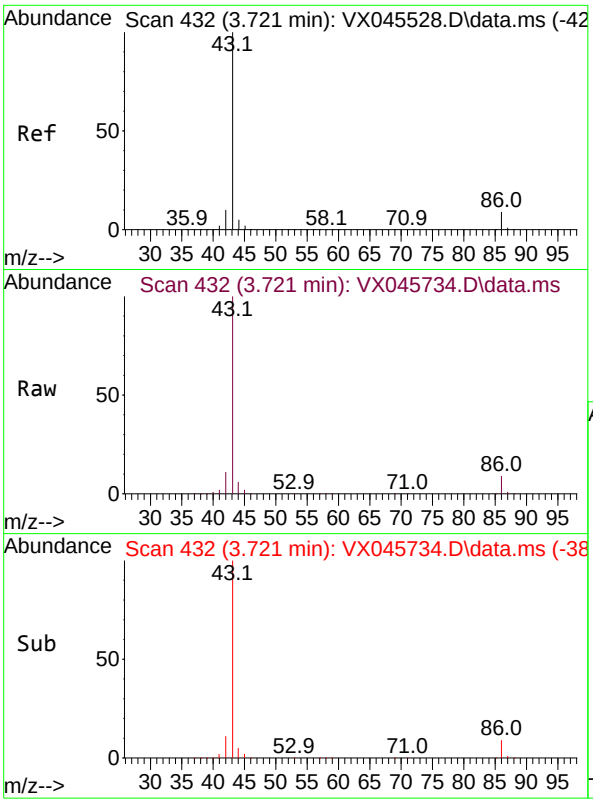


#22
Diisopropyl ether
Concen: 19.599 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 45 Resp: 74151

Ion	Ratio	Lower	Upper
45	100		
43	77.6	59.3	88.9
87	24.7	20.4	30.6
59	10.8	9.0	13.6



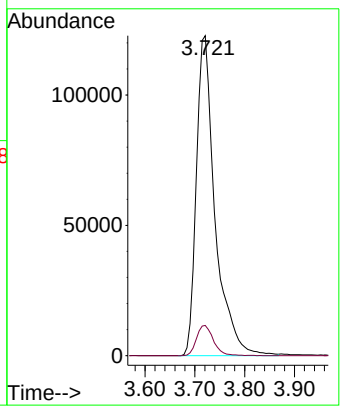


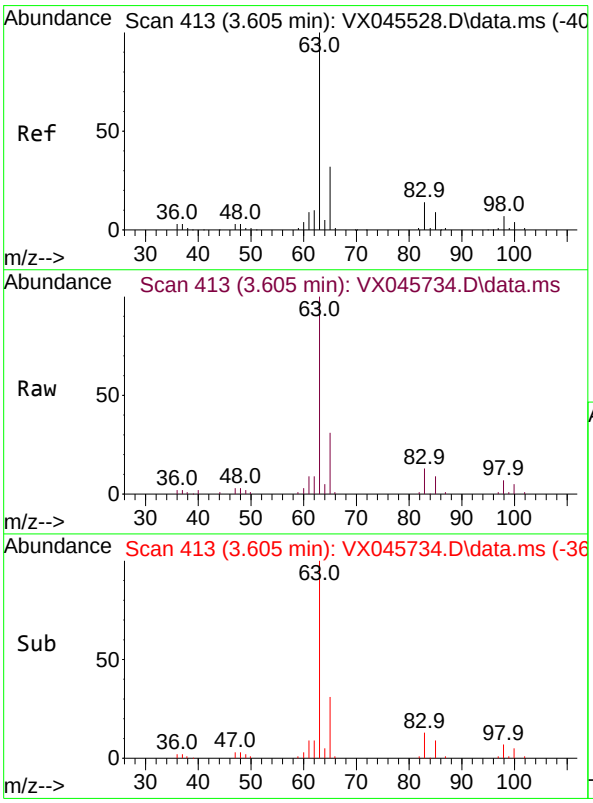
#23
Vinyl Acetate
Concen: 98.039 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 320471

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

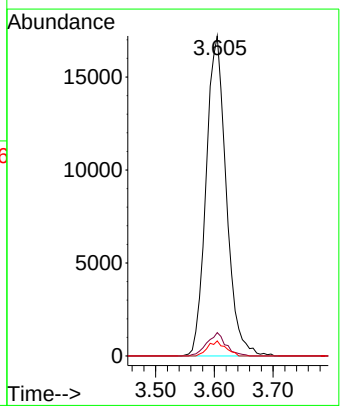


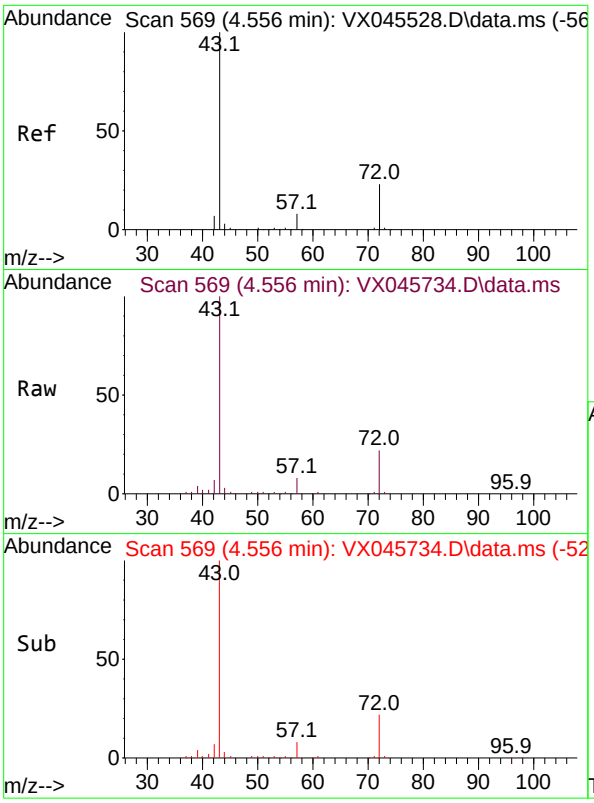


#24
1,1-Dichloroethane
Concen: 19.162 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 41001

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.7	2.2	6.6



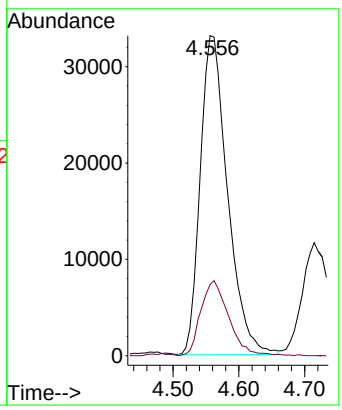


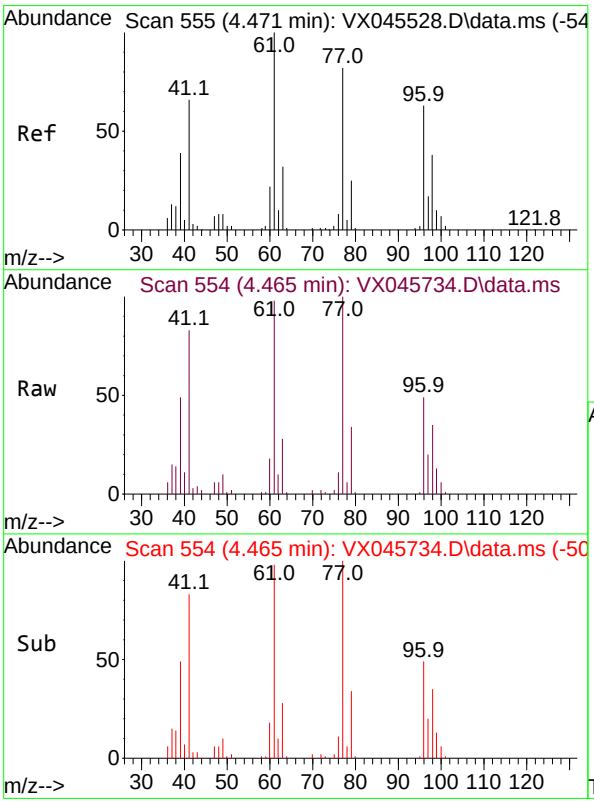
#25
2-Butanone
Concen: 103.387 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 95825

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0

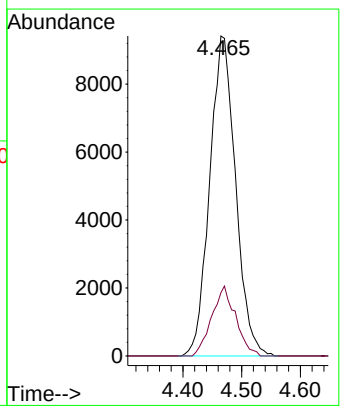


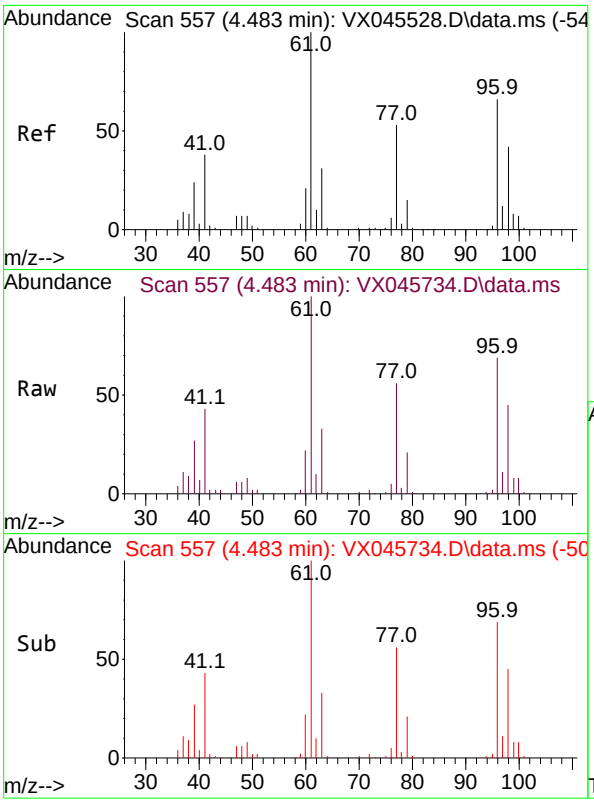


#26
2,2-Dichloropropane
Concen: 20.806 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 77 Resp: 28763

Ion	Ratio	Lower	Upper
77	100		
97	20.2	10.6	31.8



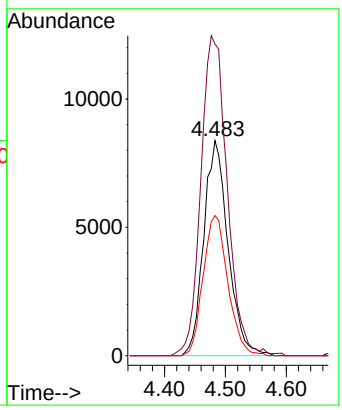


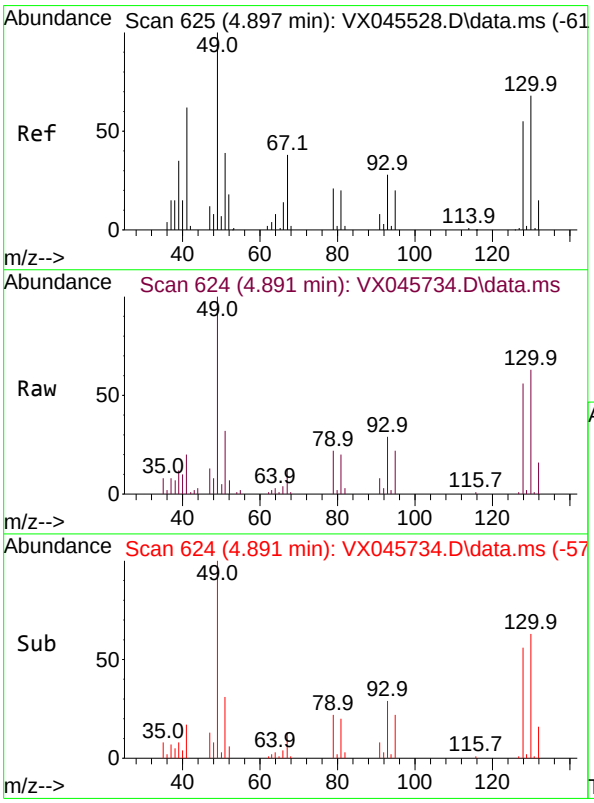
#27
cis-1,2-Dichloroethene
Concen: 18.424 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 96 Resp: 23213

Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	313.2
98	66.5	0.0	126.4

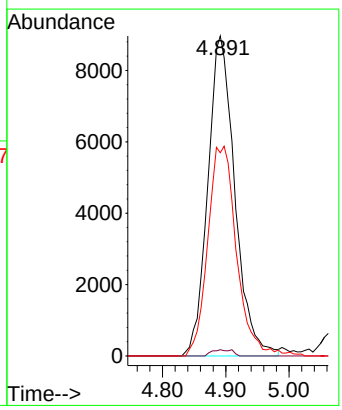


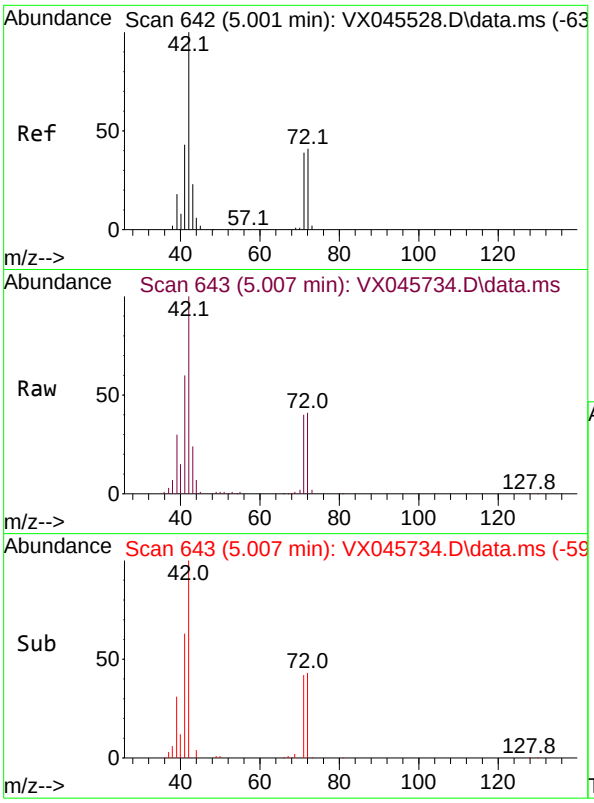


#28
Bromochloromethane
Concen: 25.723 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 49 Resp: 26597

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.9	54.6	81.8



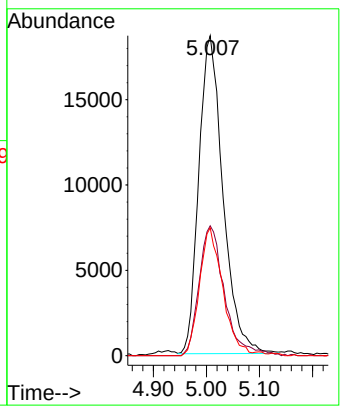


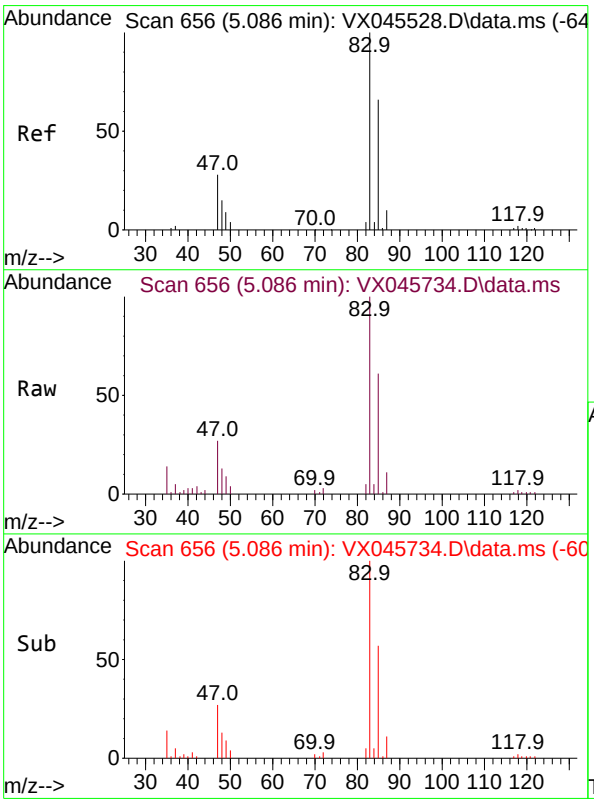
#29
Tetrahydrofuran
Concen: 98.191 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 42 Resp: 59004

Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.0
71	38.6	31.4	47.0

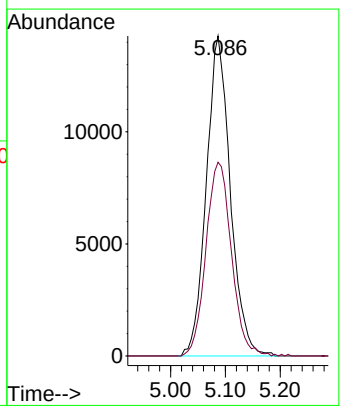


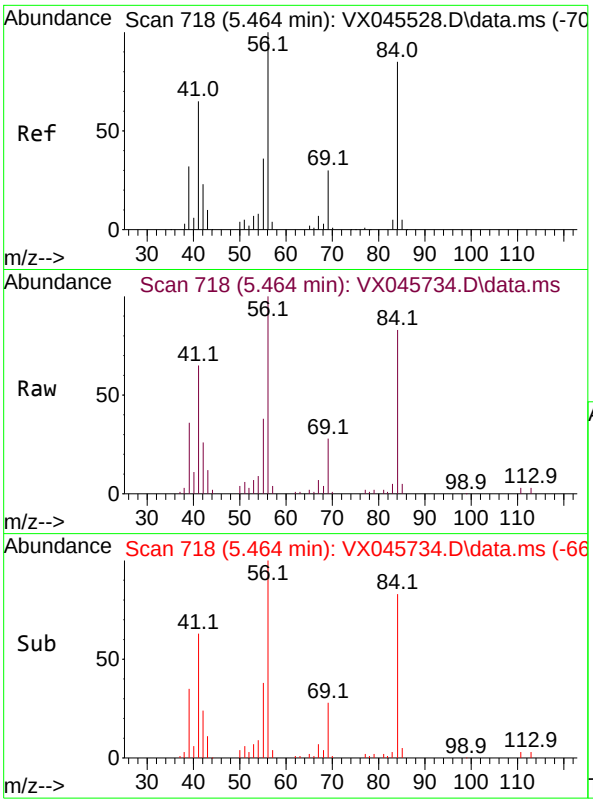


#30
Chloroform
Concen: 19.700 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 43373

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.8	79.2



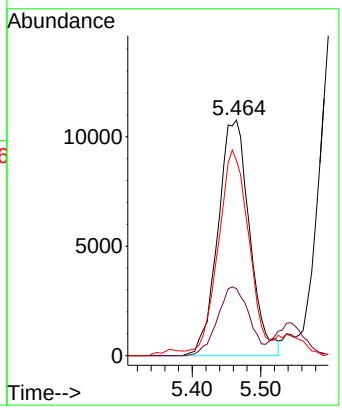


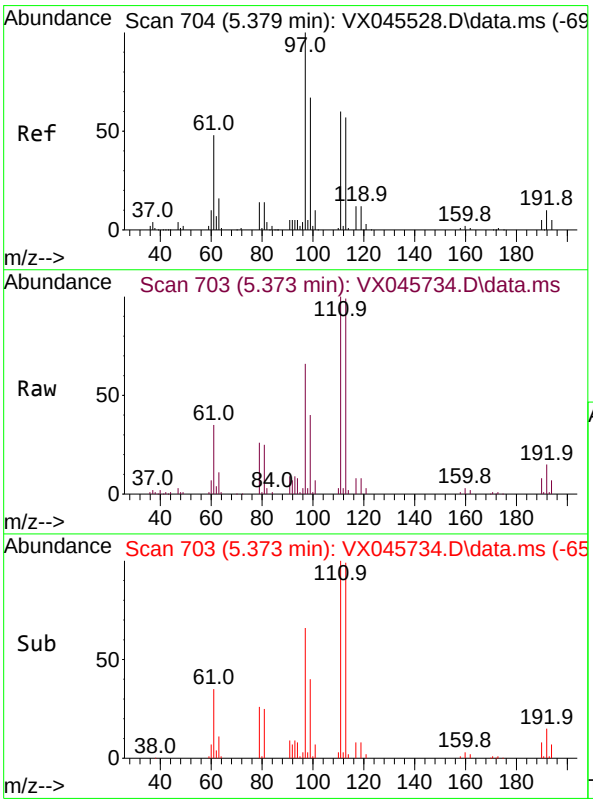
#31
Cyclohexane
Concen: 18.243 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 56 Resp: 34507

Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.6	35.4
84	80.9	67.7	101.5

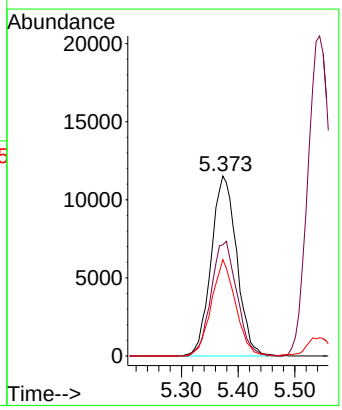


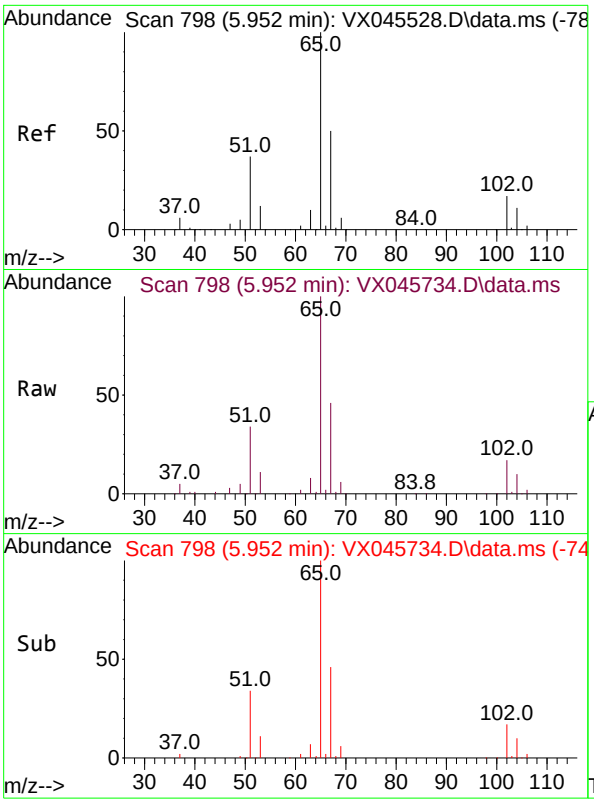


#32
1,1,1-Trichloroethane
Concen: 19.341 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 97 Resp: 36032

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	50.7	41.0	61.4



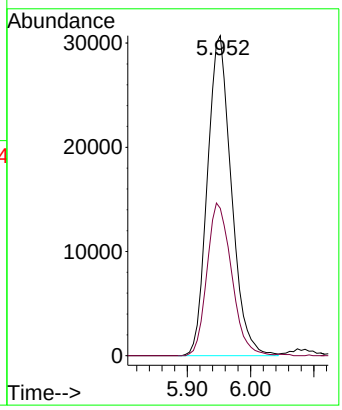


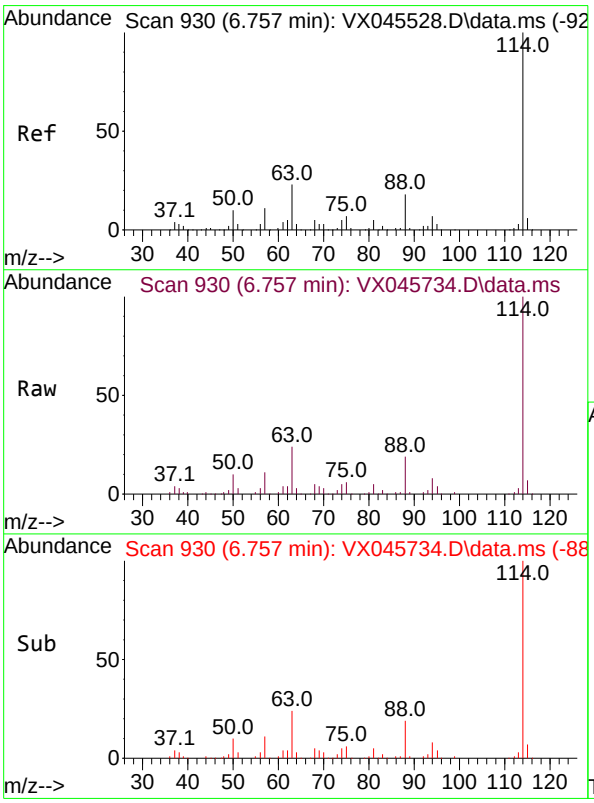
#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 65 Resp: 80683

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0

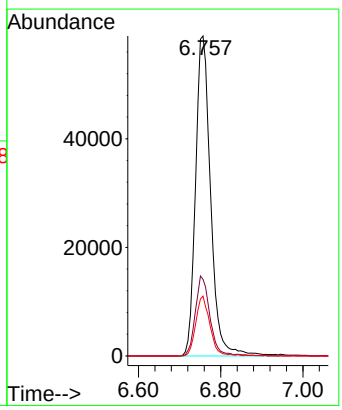


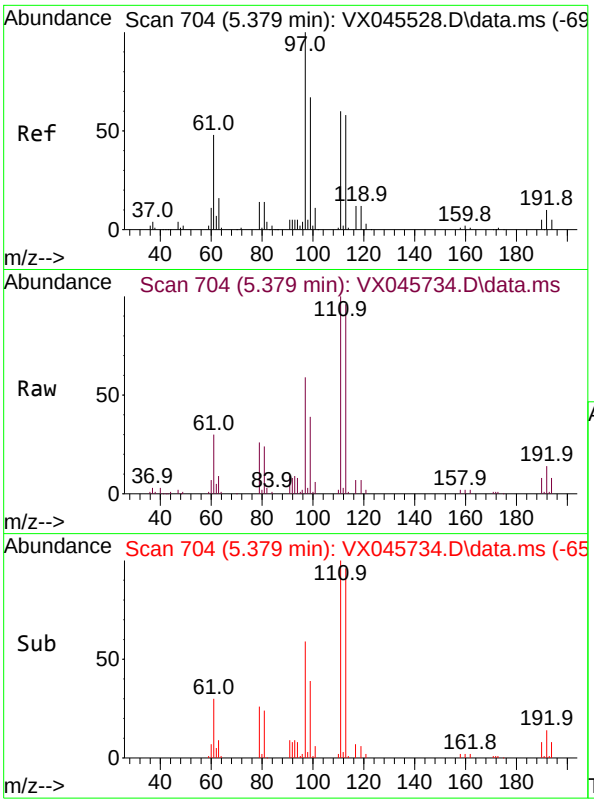


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:114 Resp: 150272

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	18.7	0.0	35.4



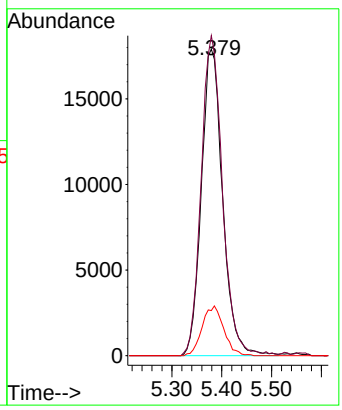


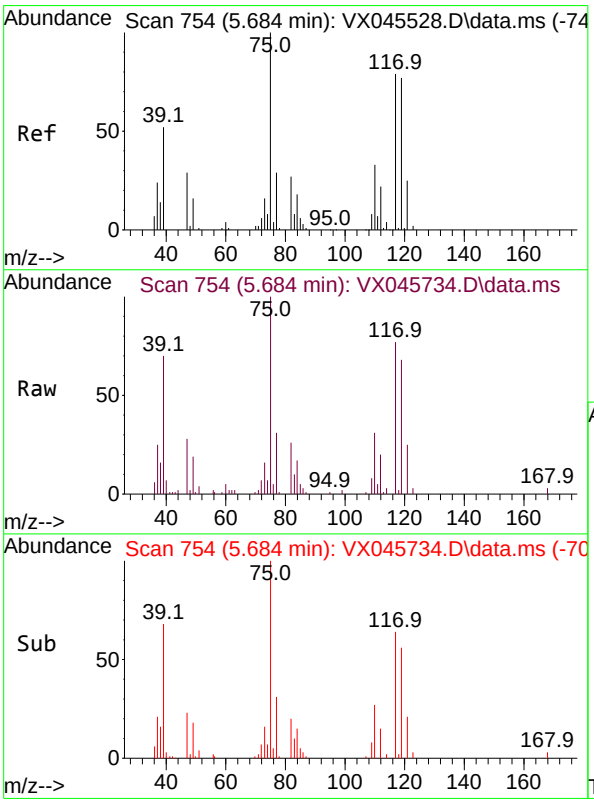
#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:113 Resp: 53111

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	16.5	13.8	20.6

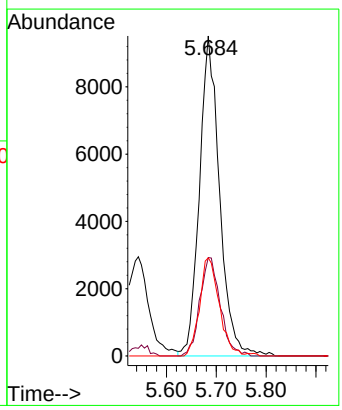


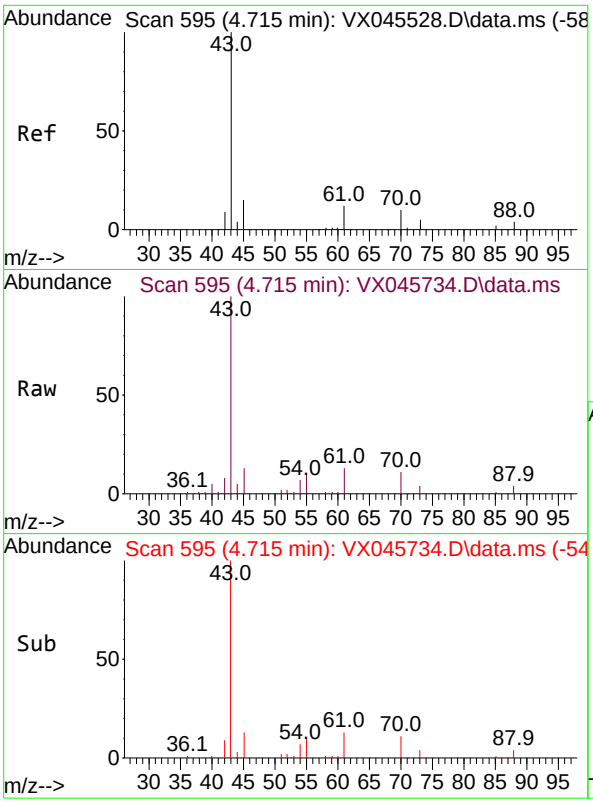


#36
1,1-Dichloropropene
Concen: 18.517 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 26656

Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.9	50.6
77	29.9	25.0	37.4



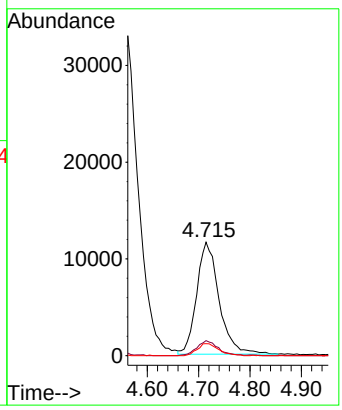


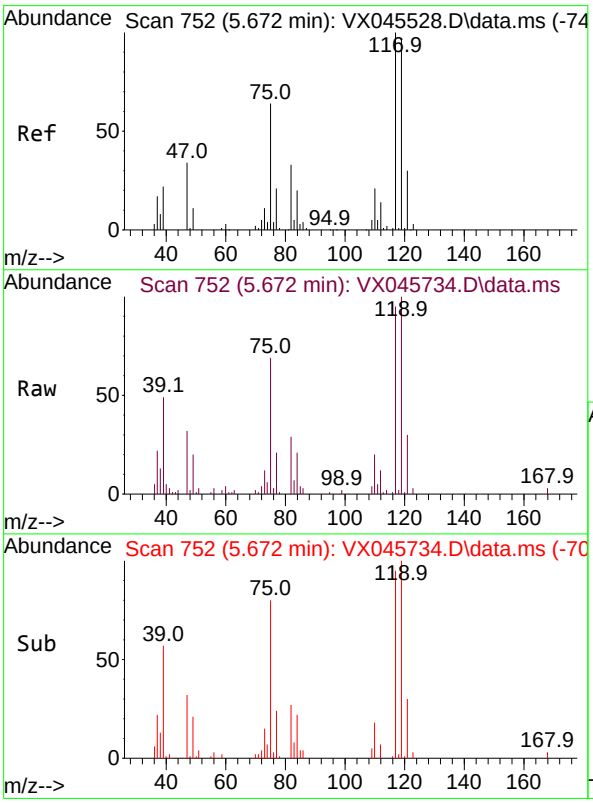
#37
Ethyl Acetate
Concen: 19.342 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 35089

Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.2	7.5	11.3

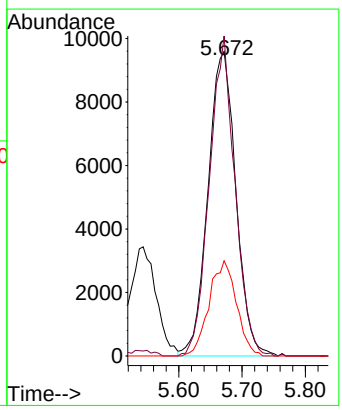


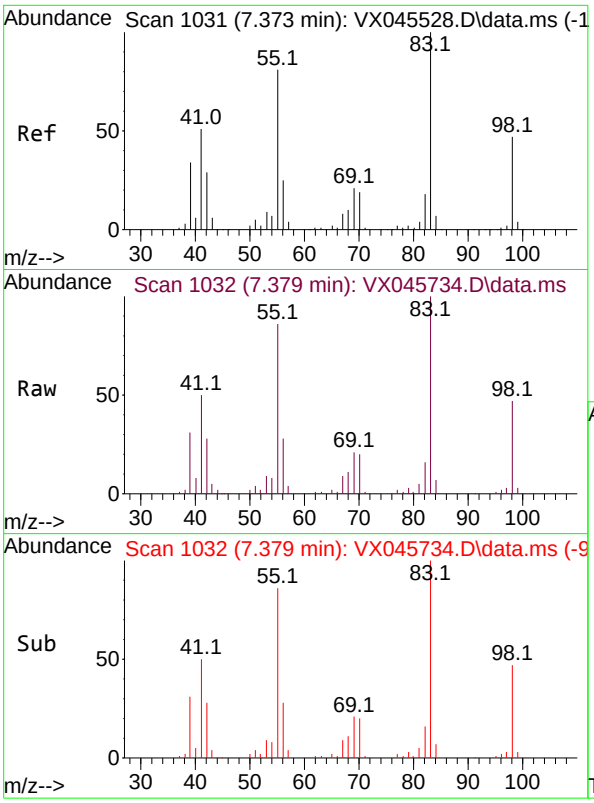


#38
Carbon Tetrachloride
Concen: 18.906 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 29414

Ion	Ratio	Lower	Upper
117	100		
119	105.1	76.9	115.3
121	31.3	24.2	36.2



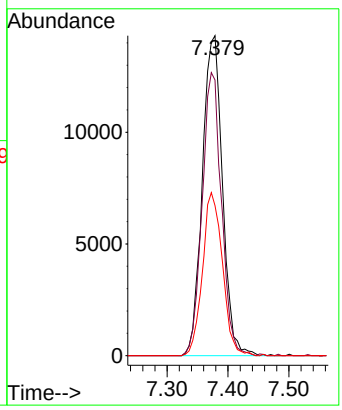


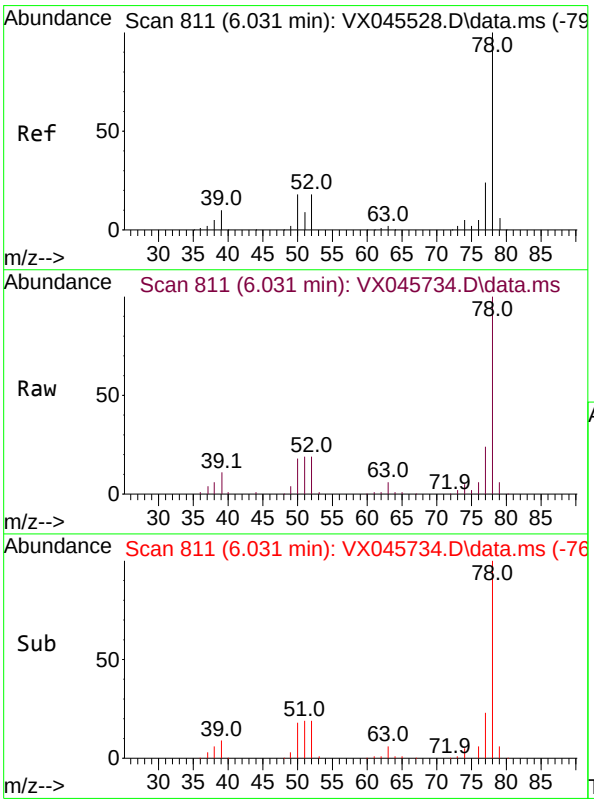
#39
Methylcyclohexane
Concen: 18.674 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 83 Resp: 32952

Ion	Ratio	Lower	Upper
83	100		
55	86.2	64.9	97.3
98	46.9	37.4	56.0

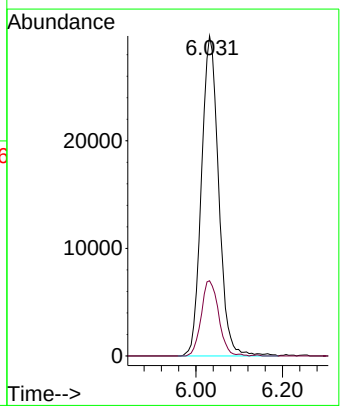


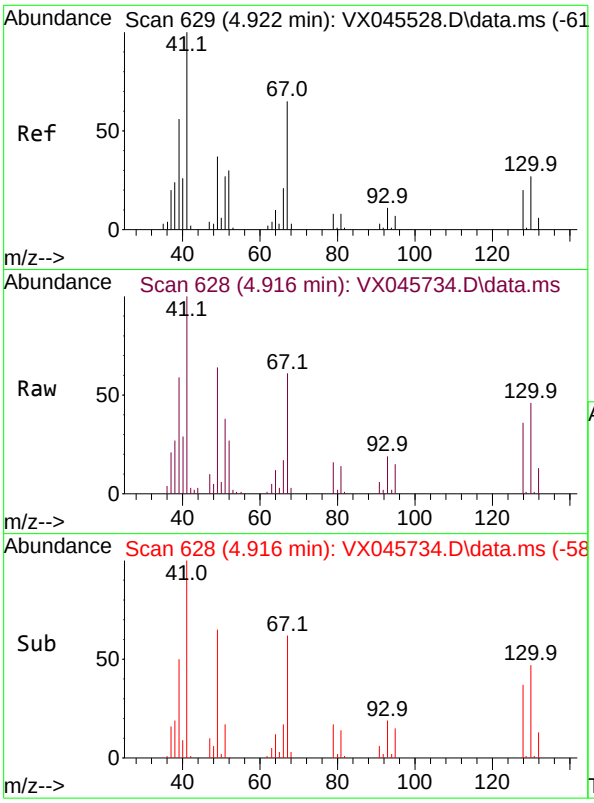


#40
Benzene
Concen: 18.687 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 78 Resp: 82159

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6



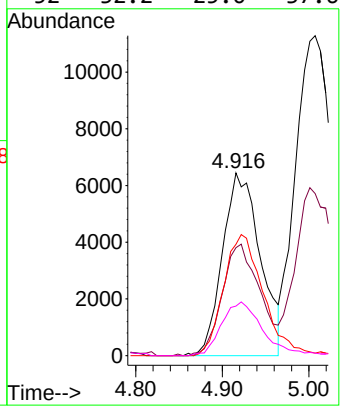


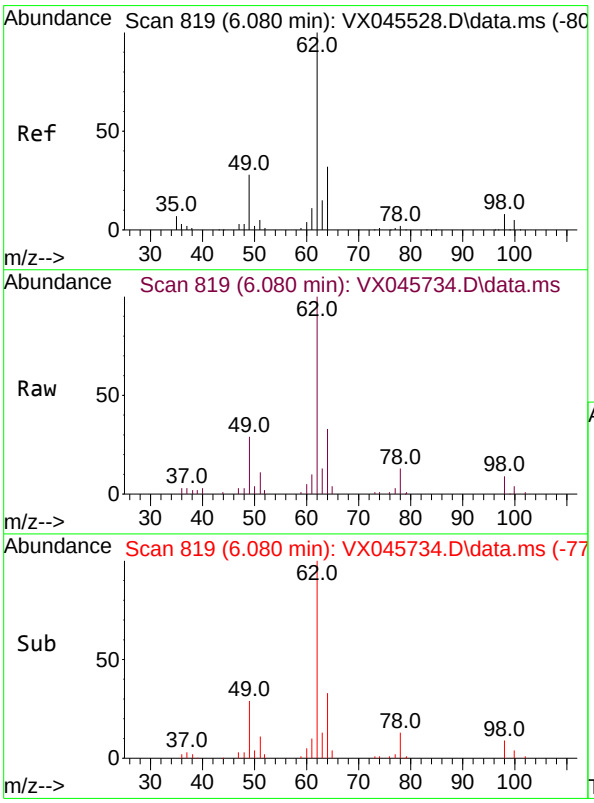
#41
Methacrylonitrile
Concen: 20.439 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 41 Resp: 19564

Ion	Ratio	Lower	Upper
41	100		
39	61.2	47.0	70.6
67	70.0	53.2	79.8
52	32.2	25.0	37.6

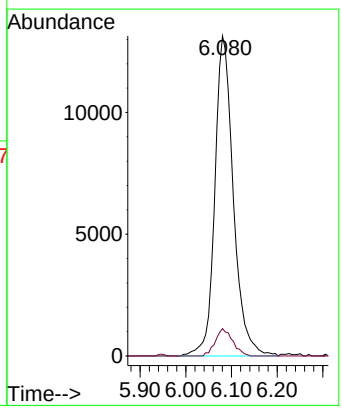


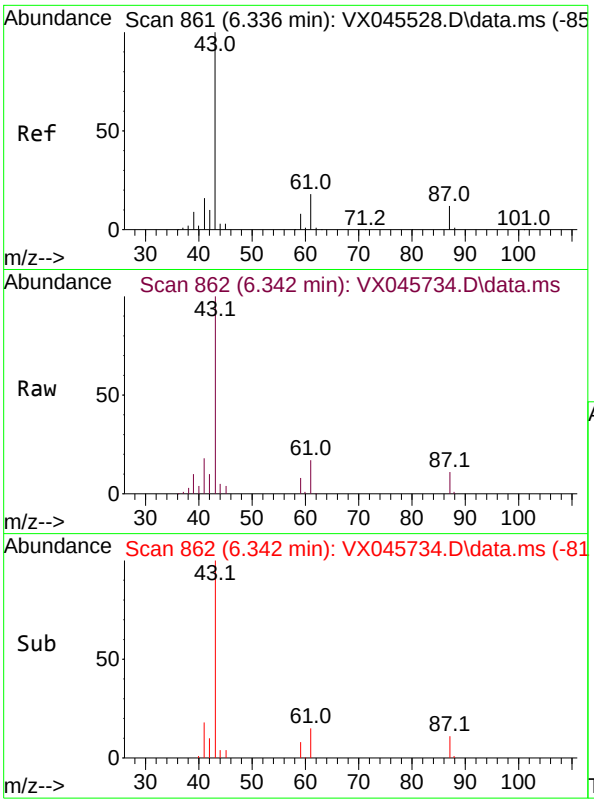


#42
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 36989

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.2



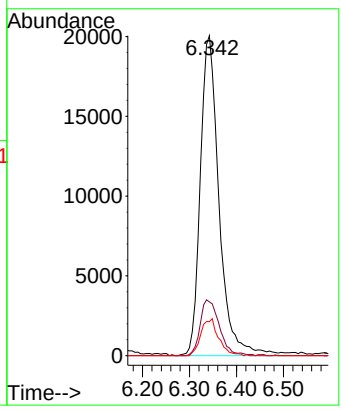


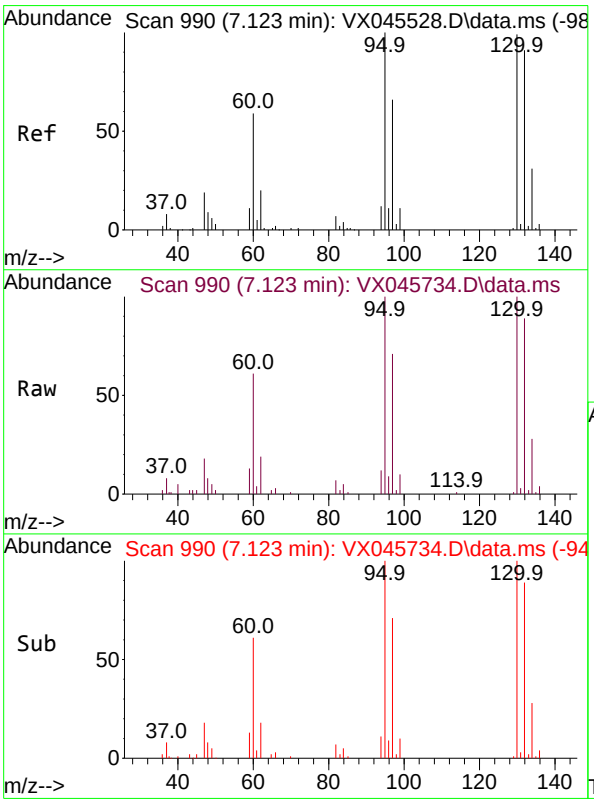
#43
Isopropyl Acetate
Concen: 20.170 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 55460

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.1	21.1
87	11.0	9.2	13.8

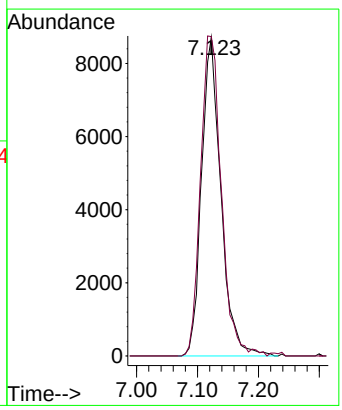


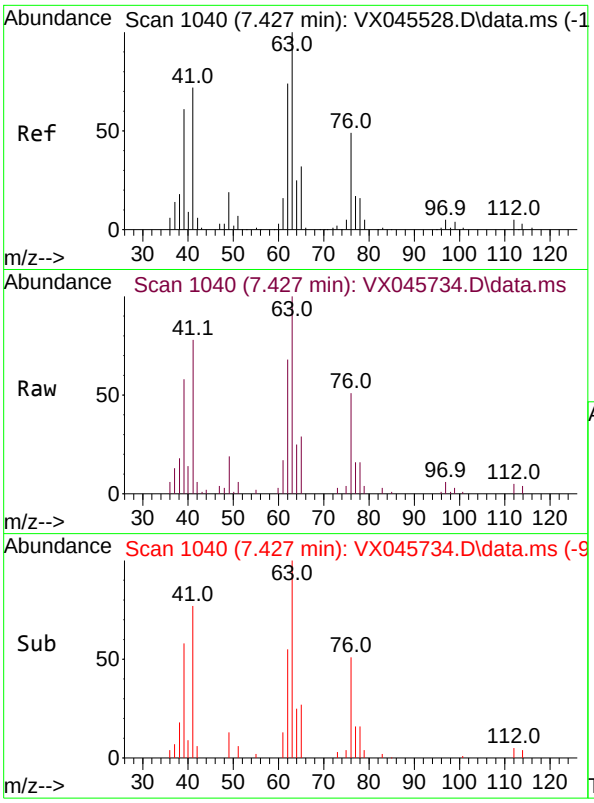


#44
Trichloroethene
Concen: 18.422 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:130 Resp: 19251

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	202.0



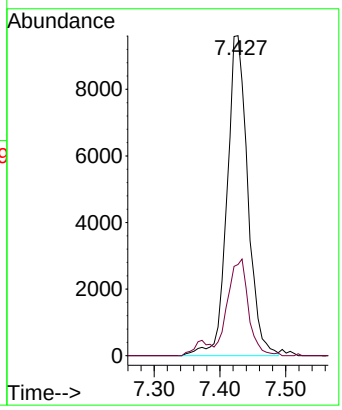


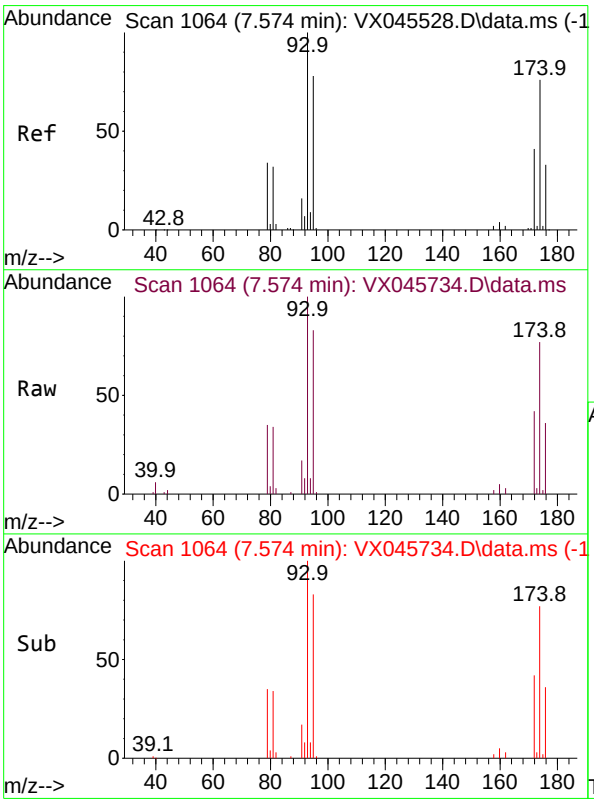
#45
1,2-Dichloropropane
Concen: 19.231 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 63 Resp: 21096

Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.8	38.6

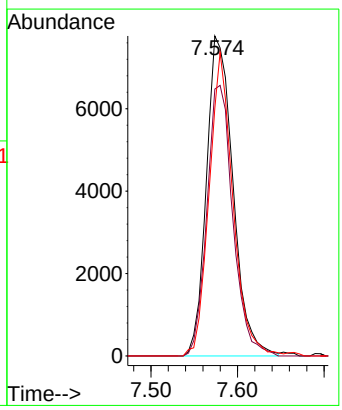


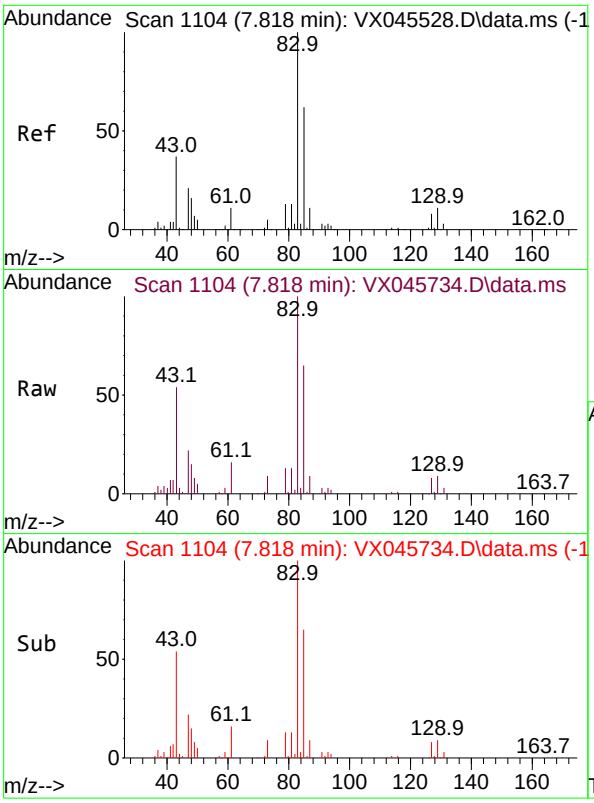


#46
Dibromomethane
Concen: 19.665 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 93 Resp: 16560

Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.8	97.2
174	85.1	65.4	98.0



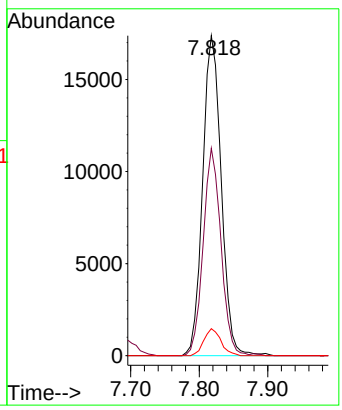


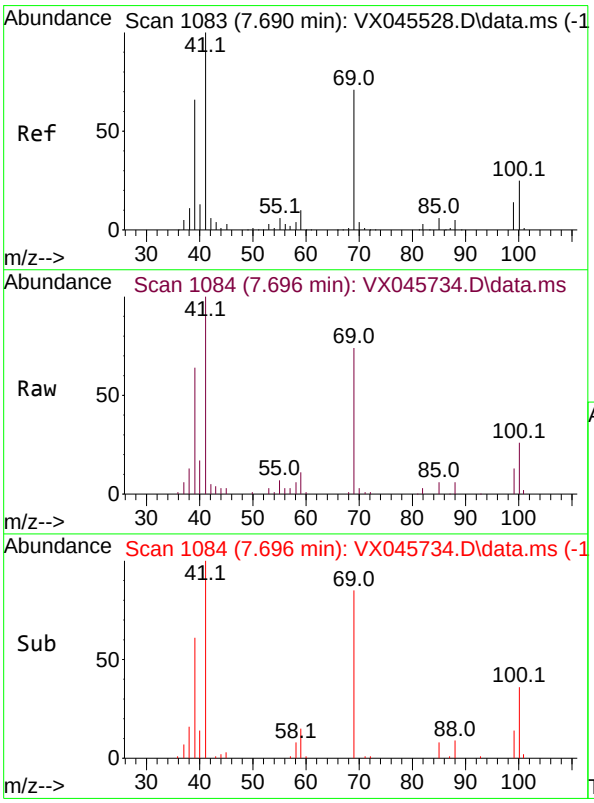
#47
Bromodichloromethane
Concen: 19.510 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 83 Resp: 32810

Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.7	74.5
127	8.5	6.1	9.1

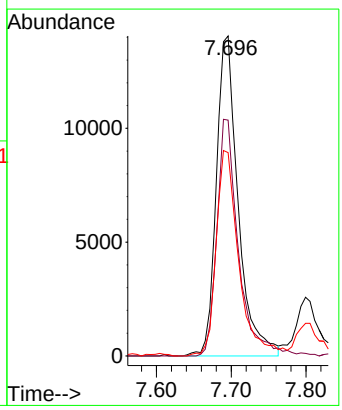


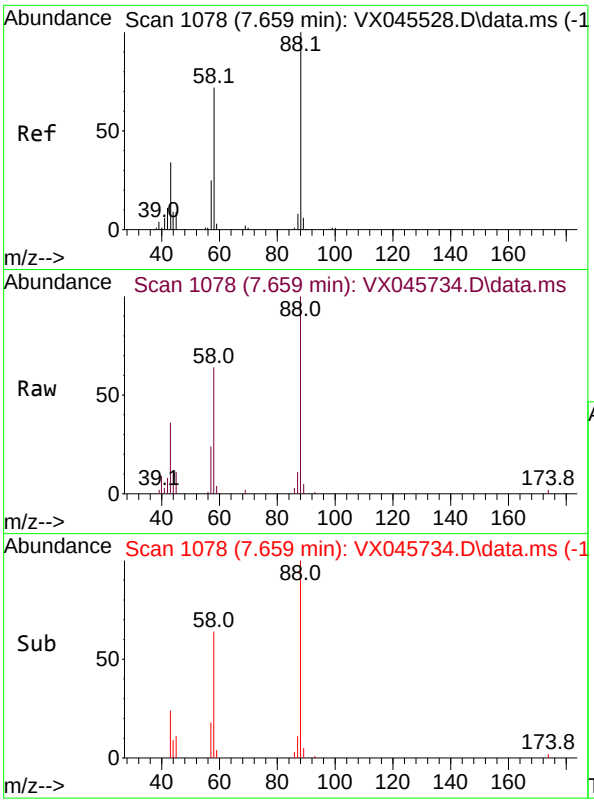


#48
Methyl methacrylate
Concen: 20.151 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 28607

Ion	Ratio	Lower	Upper
41	100		
69	73.2	58.2	87.2
39	66.6	53.6	80.4



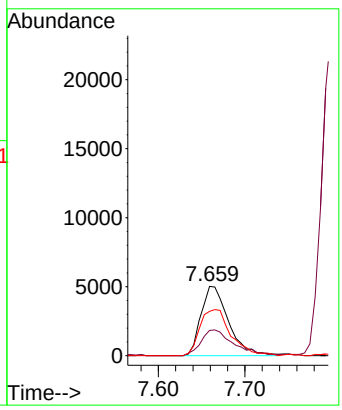


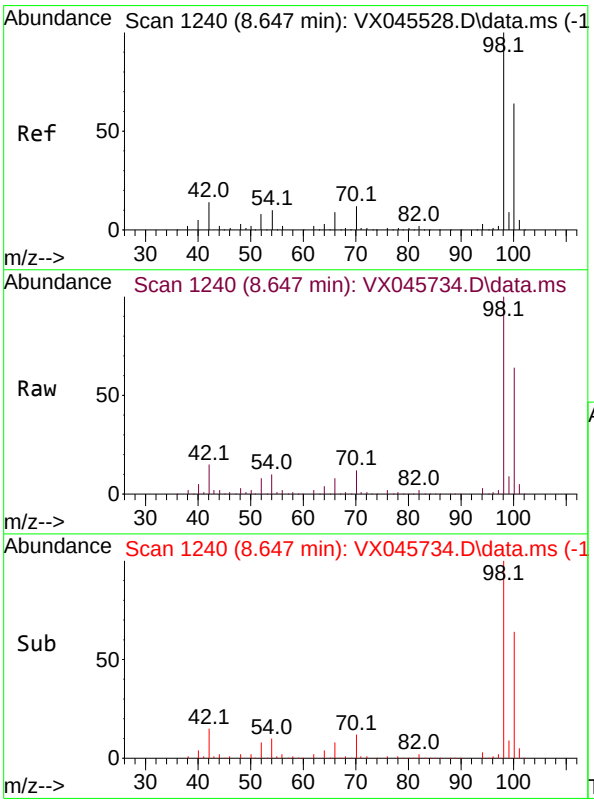
#49
1,4-Dioxane
Concen: 432.076 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 88 Resp: 11098

Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.2	48.4
58	75.0	58.6	88.0

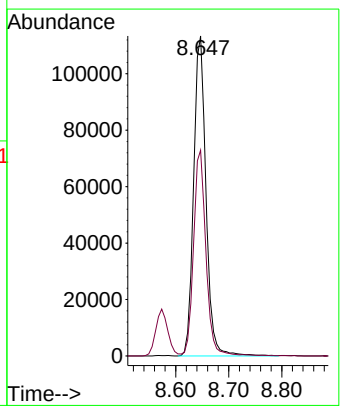


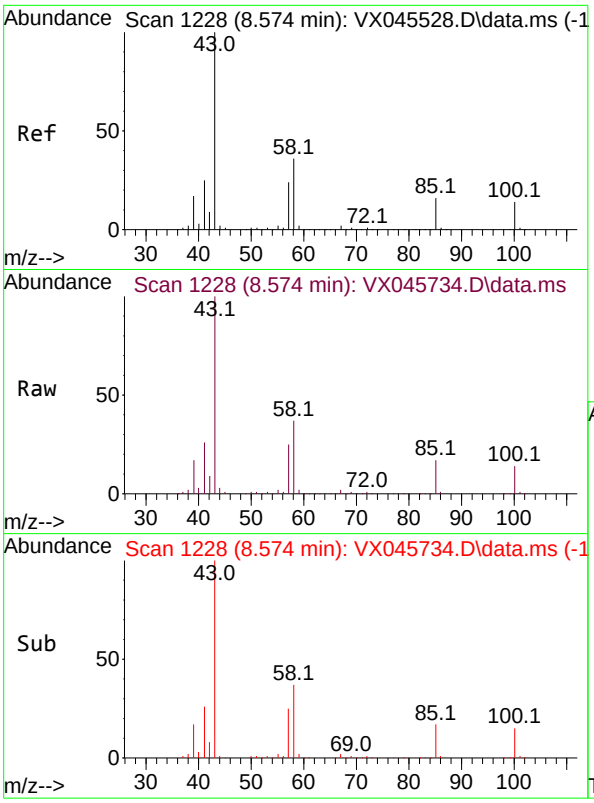


#50
Toluene-d8
Concen: 49.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 98 Resp: 183285

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.4



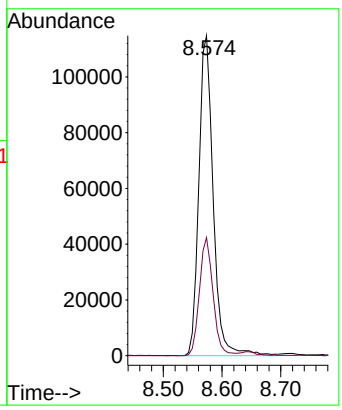


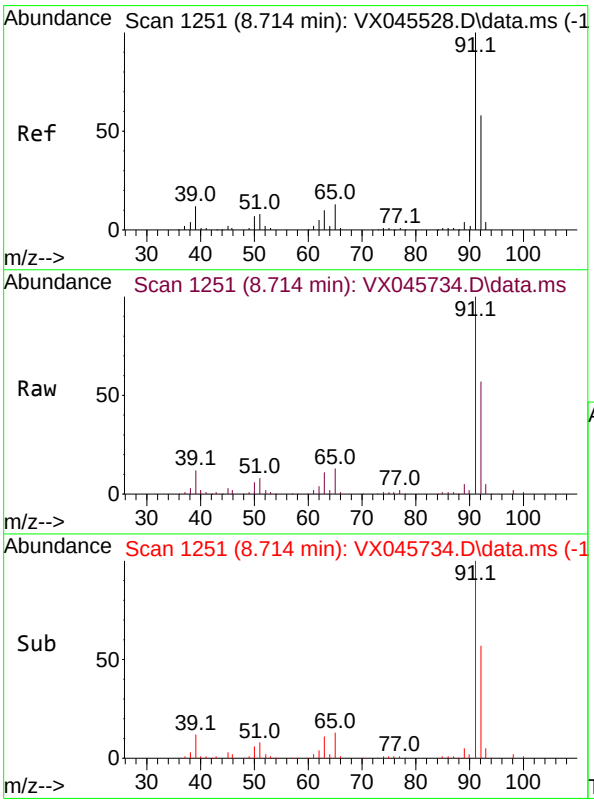
#51
4-Methyl-2-Pentanone
Concen: 106.998 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 195029

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.5	42.7

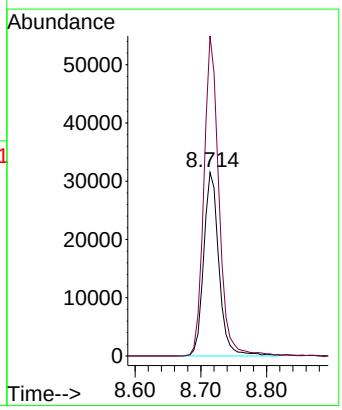


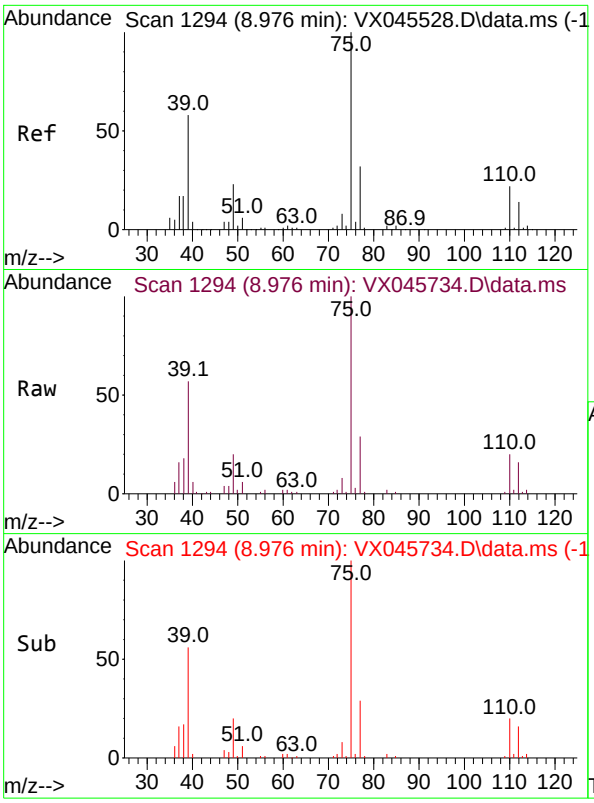


#52
Toluene
Concen: 19.132 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 92 Resp: 50898

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.7	208.1



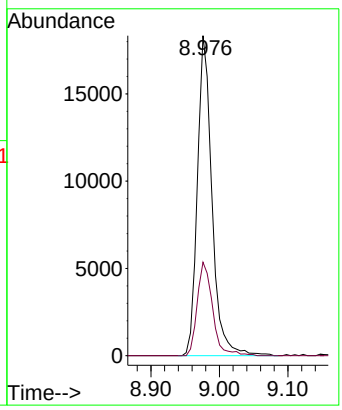


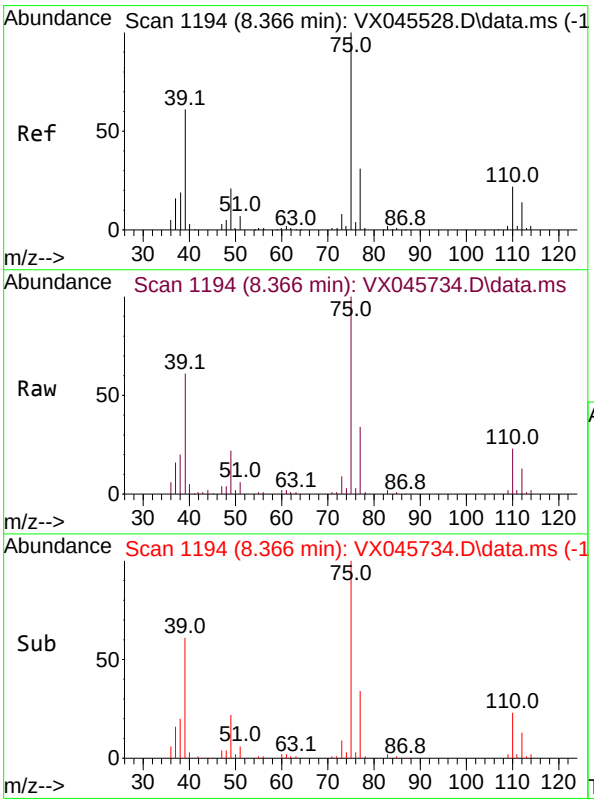
#53
t-1,3-Dichloropropene
Concen: 18.352 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 75 Resp: 27223

Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.4	38.0

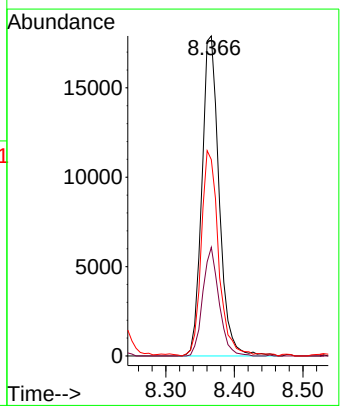


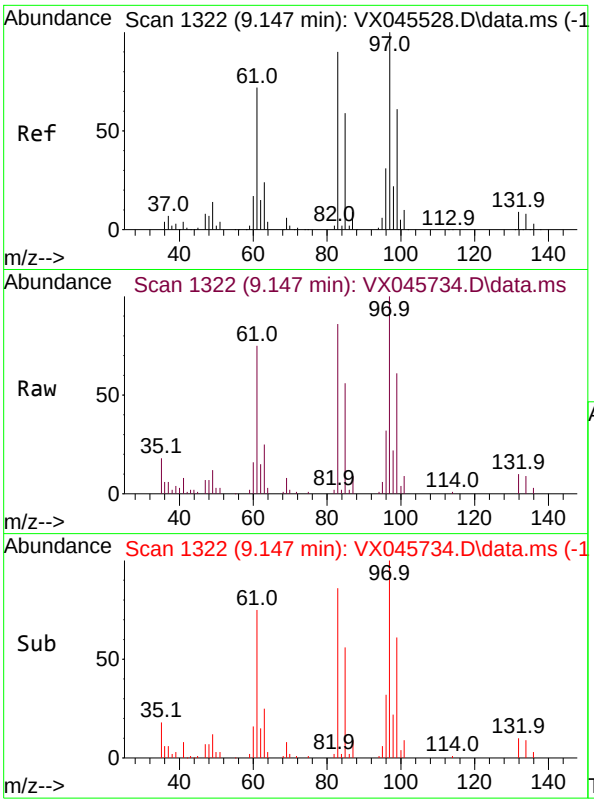


#54
cis-1,3-Dichloropropene
Concen: 19.884 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 31424

Ion	Ratio	Lower	Upper
75	100		
77	34.0	24.6	36.8
39	61.3	48.4	72.6



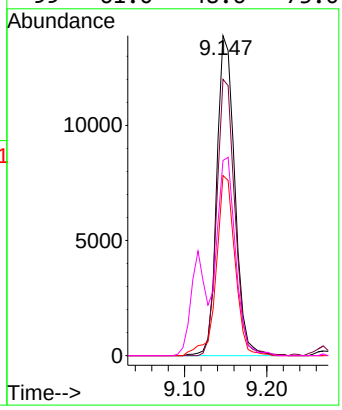


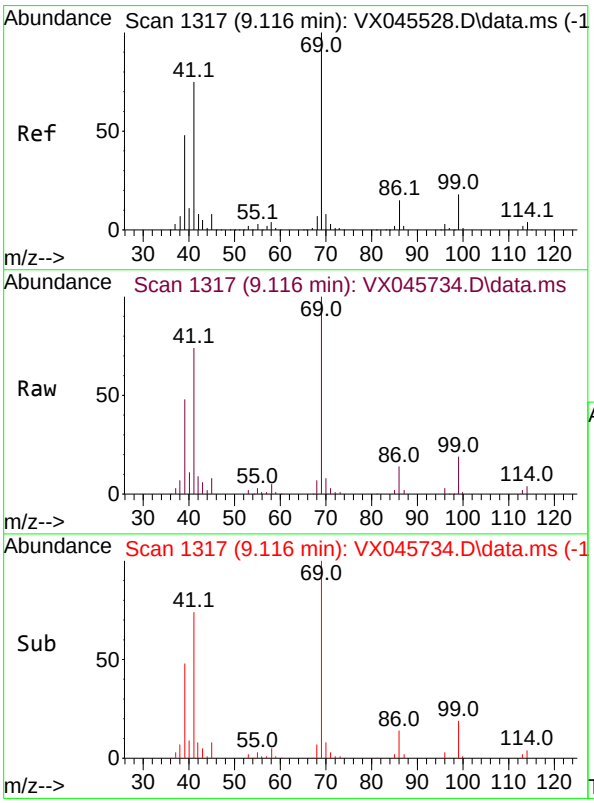
#55
1,1,2-Trichloroethane
Concen: 19.886 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 97 Resp: 21082

Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.8	107.8
85	56.3	47.0	70.6
99	61.0	48.6	73.0

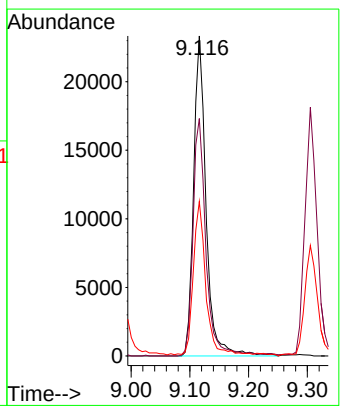


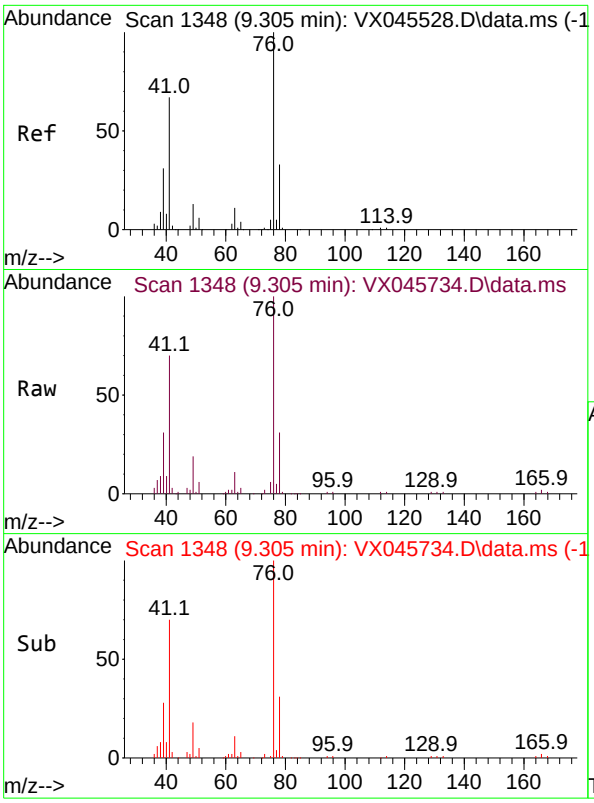


#56
Ethyl methacrylate
Concen: 20.947 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 69 Resp: 34367

Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.3	91.9
39	49.3	40.2	60.2



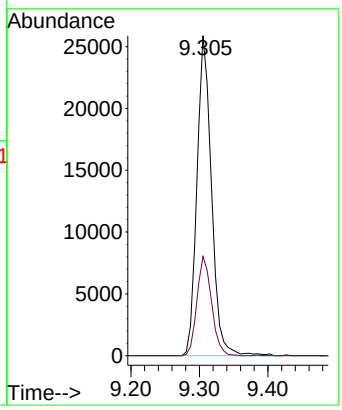


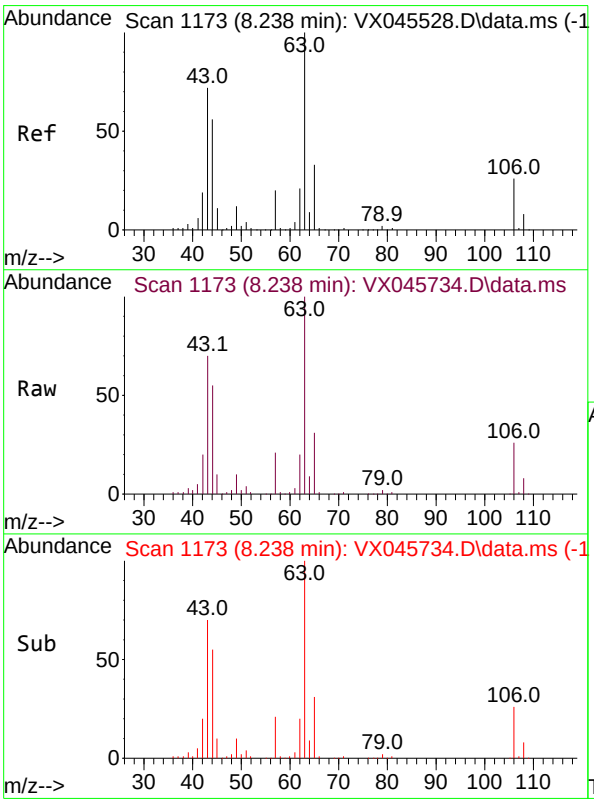
#57
1,3-Dichloropropane
Concen: 20.758 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 76 Resp: 38320

Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.0	39.0

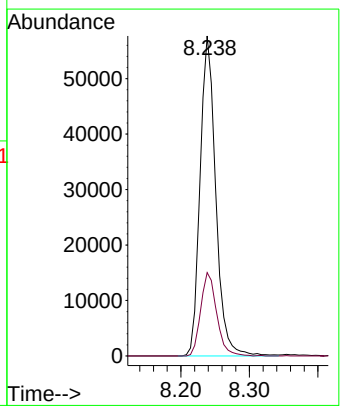


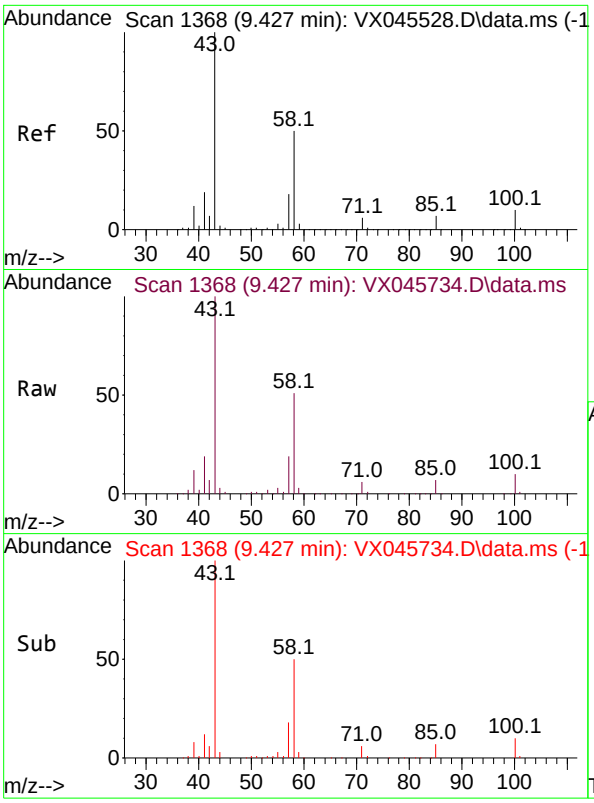


#58
2-Chloroethyl Vinyl ether
Concen: 110.832 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 91986

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6



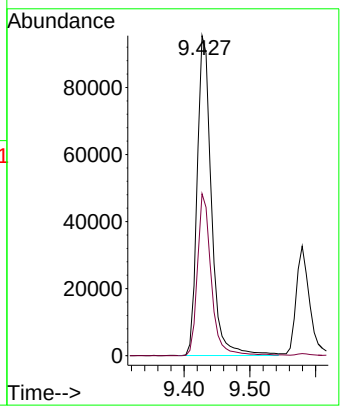


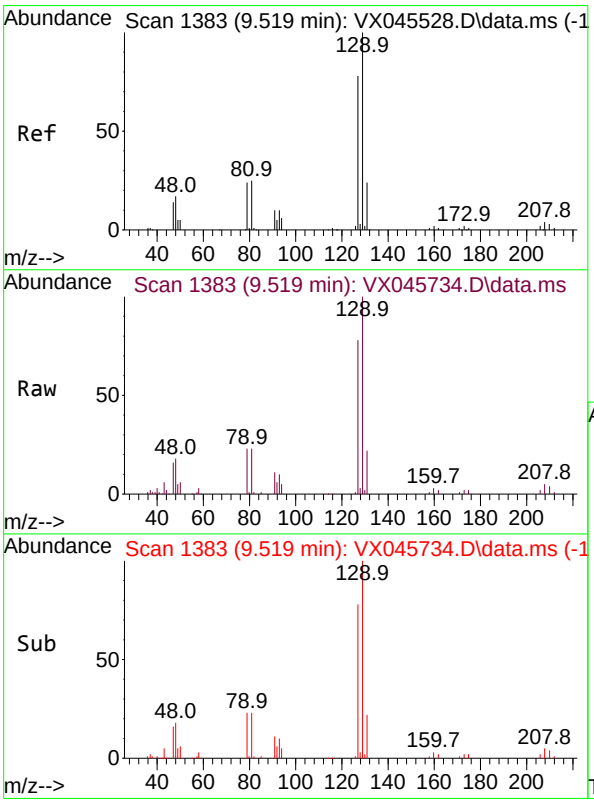
#59
2-Hexanone
Concen: 106.500 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 43 Resp: 143752

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

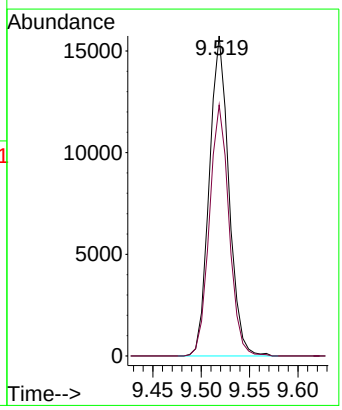


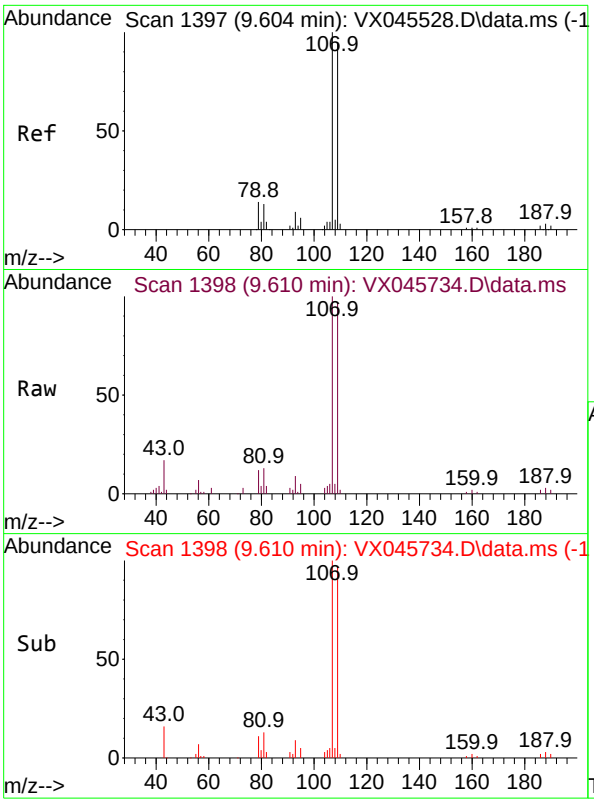


#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:129 Resp: 22170

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2



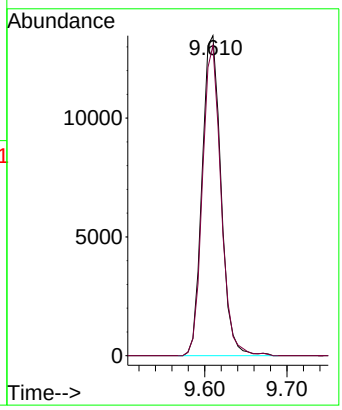


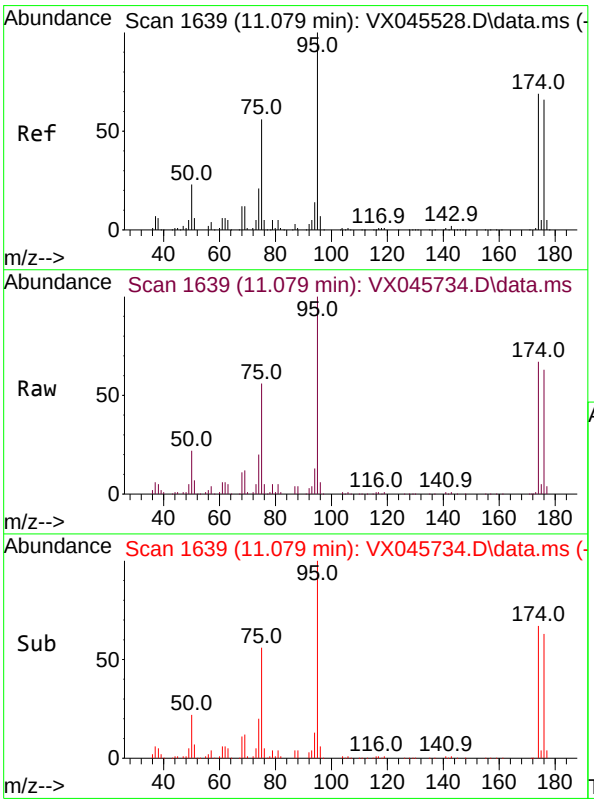
#61
1,2-Dibromoethane
Concen: 20.071 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:107 Resp: 21539

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.7	113.5

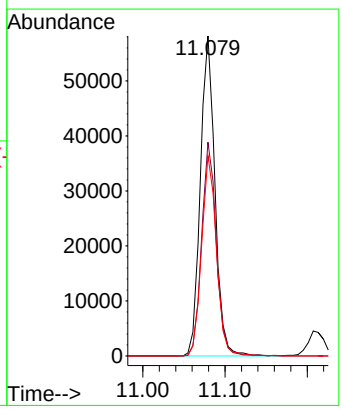


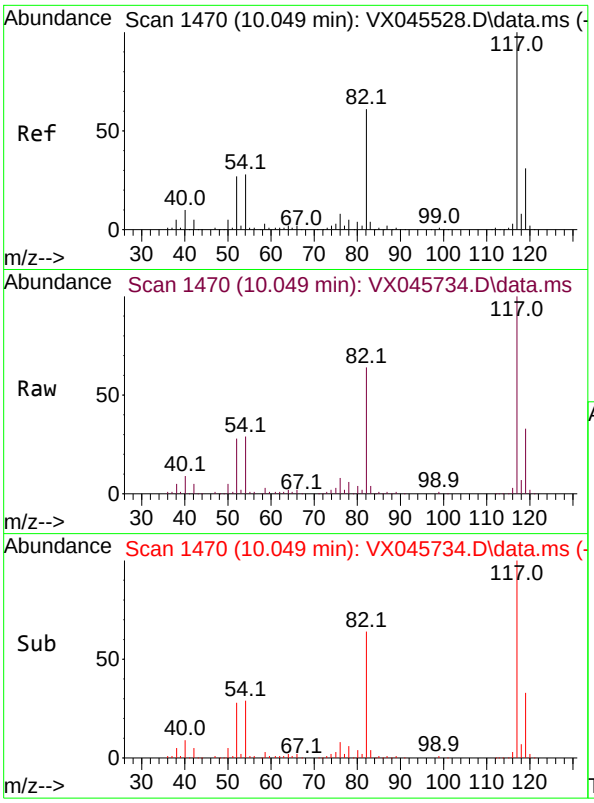


#62
4-Bromofluorobenzene
Concen: 52.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 95 Resp: 71699

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	63.6	0.0	131.4



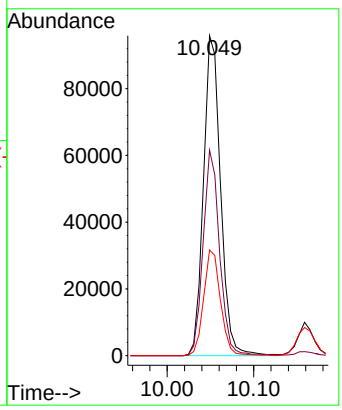


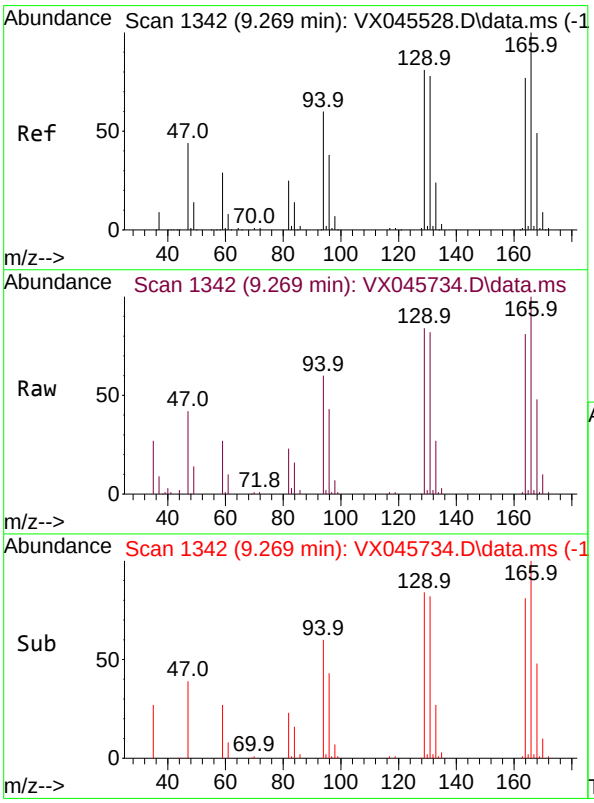
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:117 Resp: 131860

Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.2	73.8
119	33.1	25.1	37.7

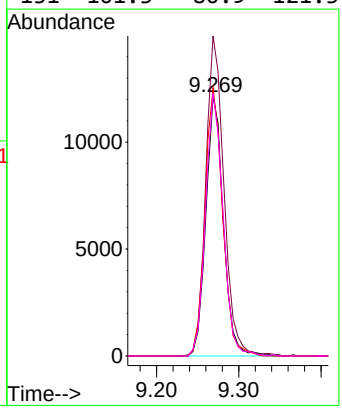


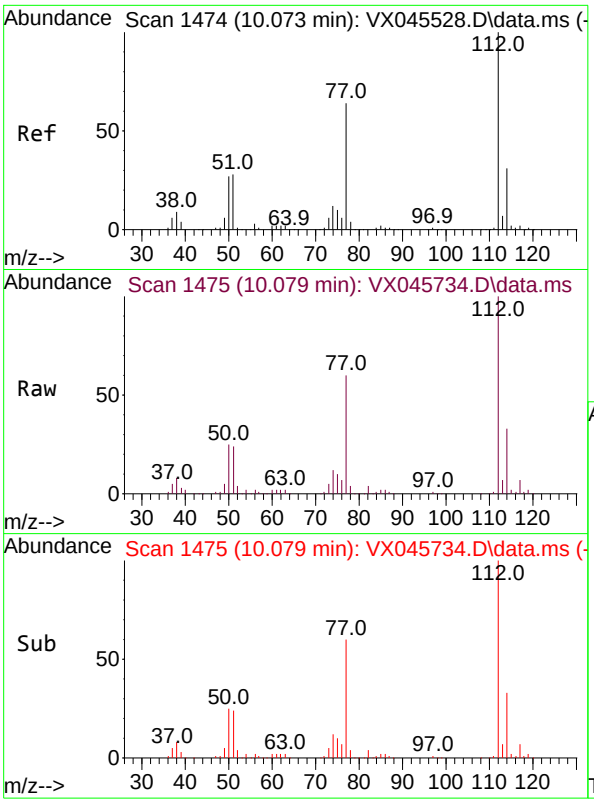


#64
Tetrachloroethene
Concen: 19.248 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:164 Resp: 17919

Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.8	155.8
129	103.3	84.3	126.5
131	101.3	80.9	121.3



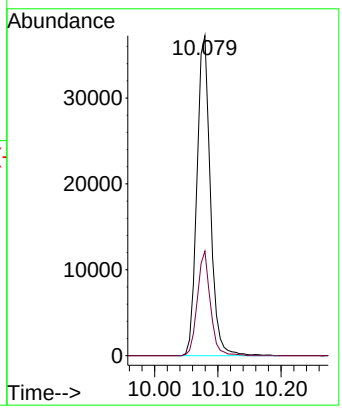


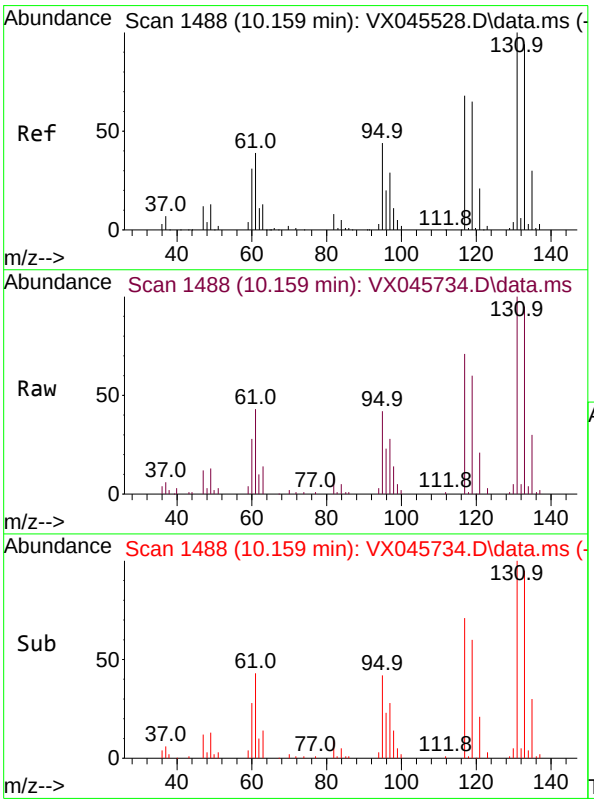
#65
Chlorobenzene
Concen: 19.575 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:112 Resp: 55155

Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.7	37.1

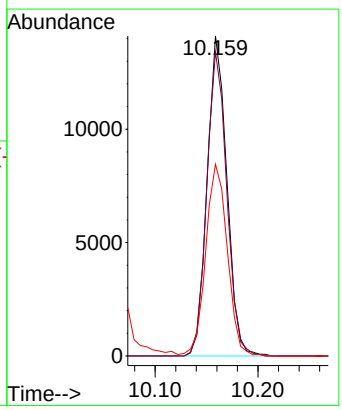


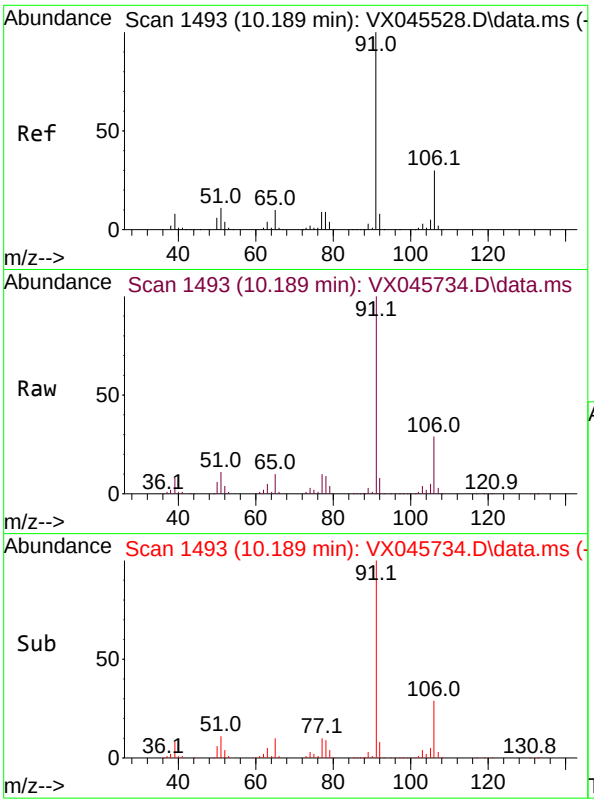


#66
1,1,1,2-Tetrachloroethane
Concen: 19.192 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:131 Resp: 18774

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.5	142.5
119	65.7	32.9	98.6



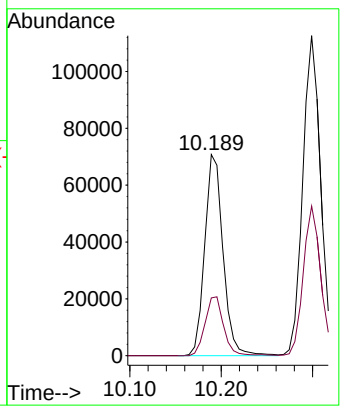


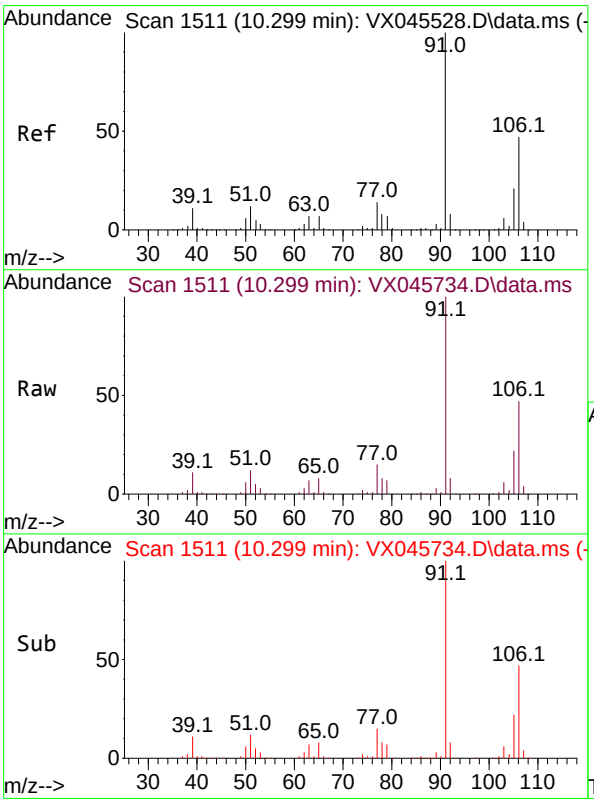
#67
Ethyl Benzene
Concen: 19.506 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 91 Resp: 98437

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5

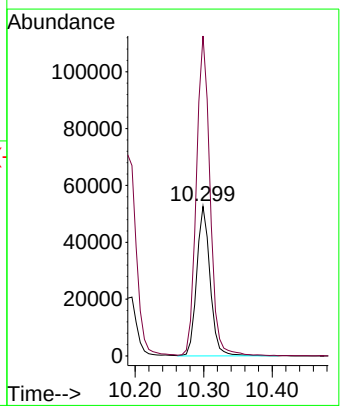


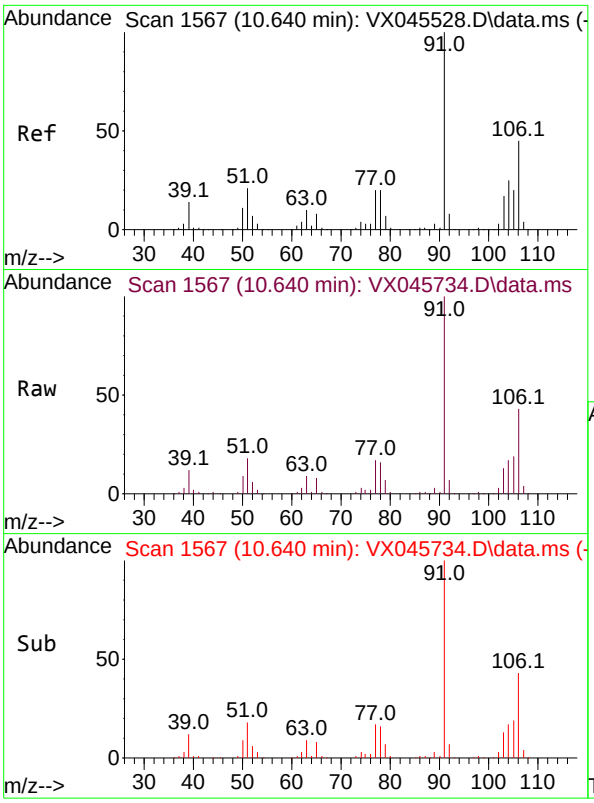


#68
m/p-Xylenes
Concen: 38.936 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:106 Resp: 71463

Ion	Ratio	Lower	Upper
106	100		
91	218.7	172.6	258.8



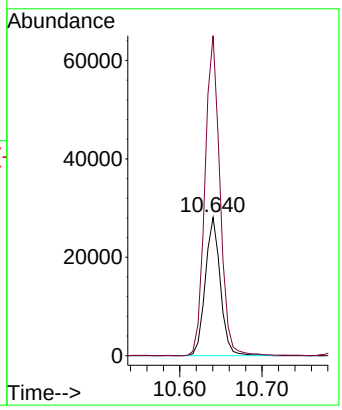


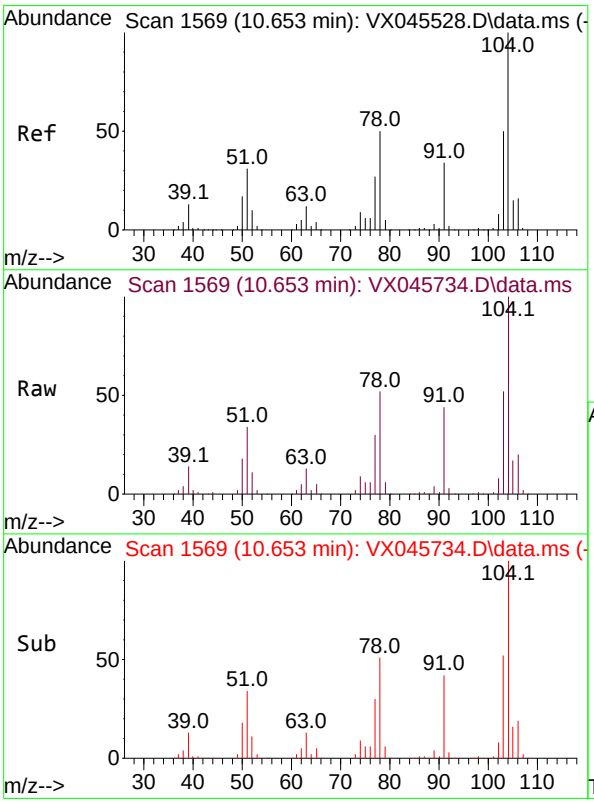
#69
o-Xylene
Concen: 19.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:106 Resp: 35702

Ion	Ratio	Lower	Upper
106	100		
91	231.1	113.6	340.6

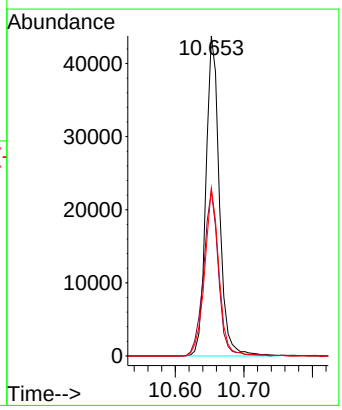


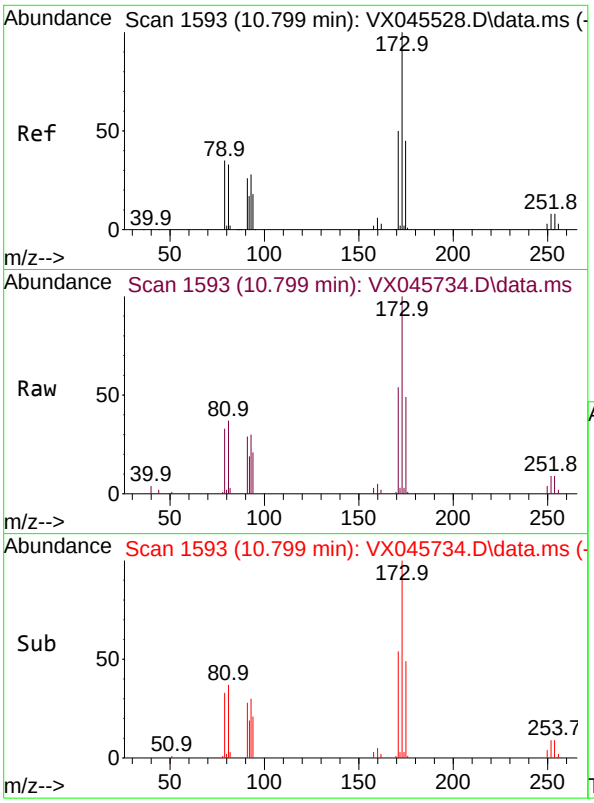


#70
Styrene
Concen: 20.128 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:104 Resp: 60067

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	55.6	43.8	65.8



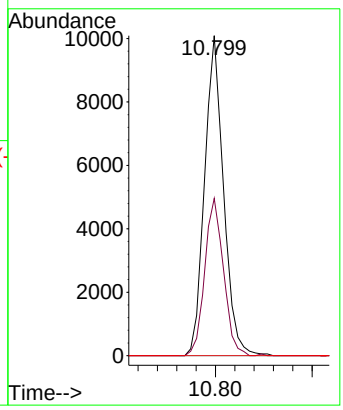


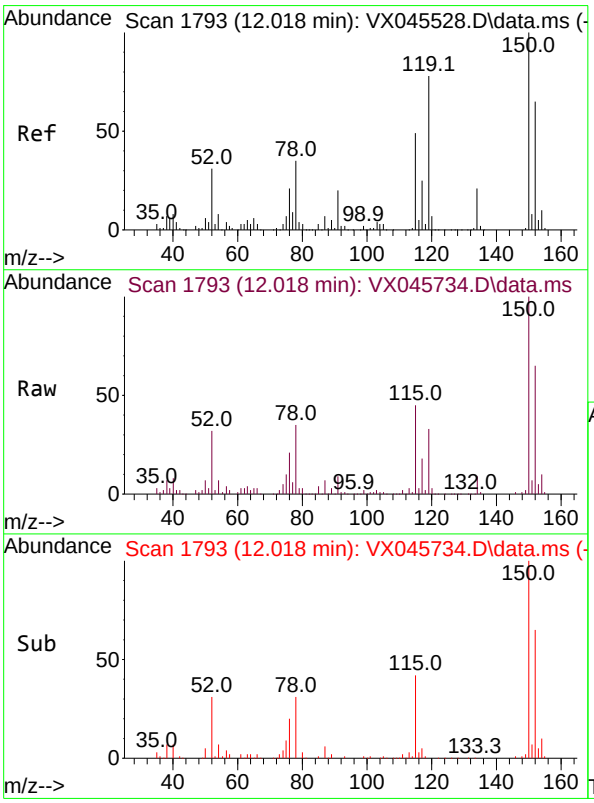
#71
Bromoform
Concen: 18.847 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:173 Resp: 13766

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.2
254	0.0	0.0	0.0

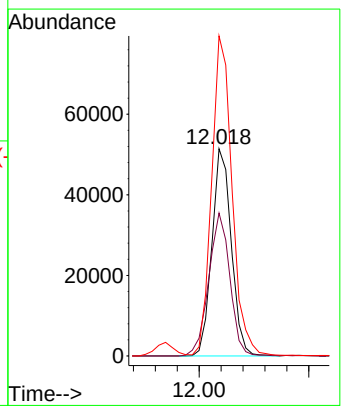


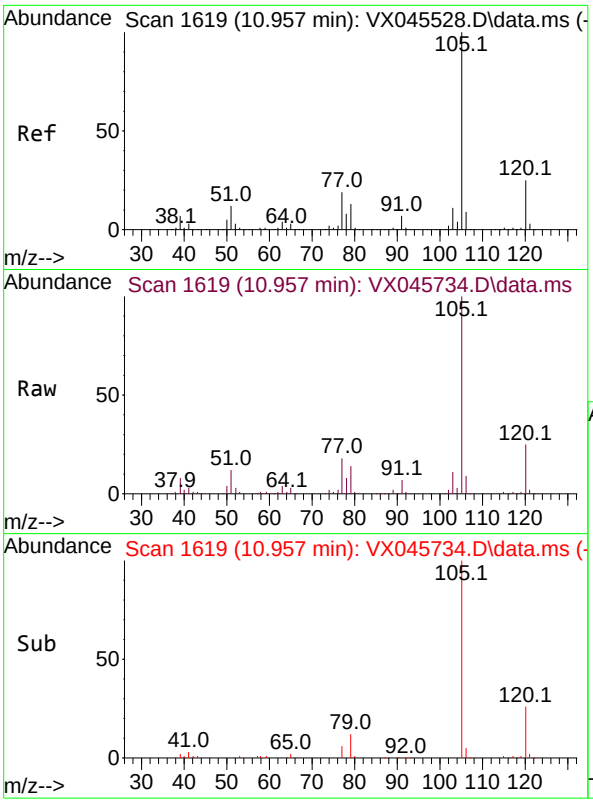


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:152 Resp: 63206

Ion	Ratio	Lower	Upper
152	100		
115	75.4	46.9	140.7
150	162.4	0.0	349.4



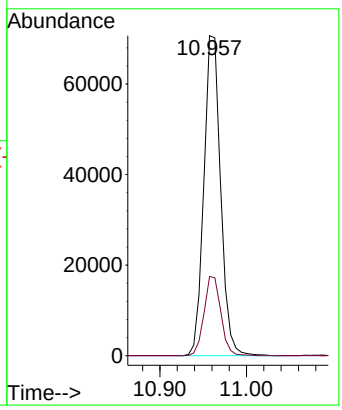


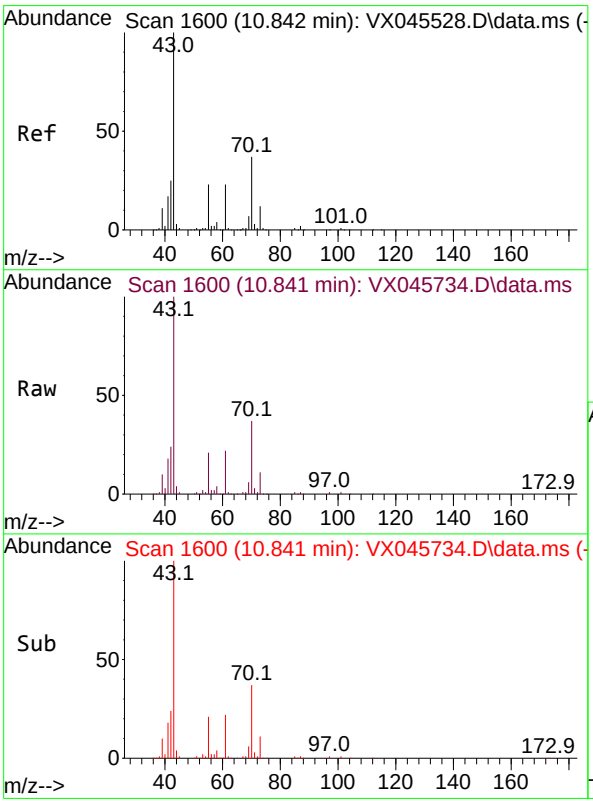
#73
Isopropylbenzene
Concen: 18.828 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:105 Resp: 95325

Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.7	38.0

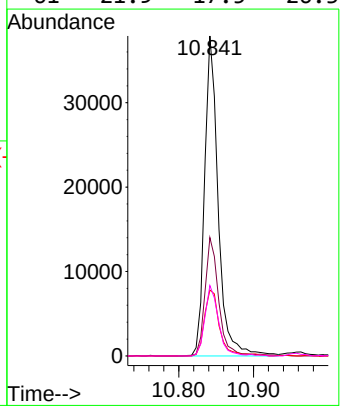


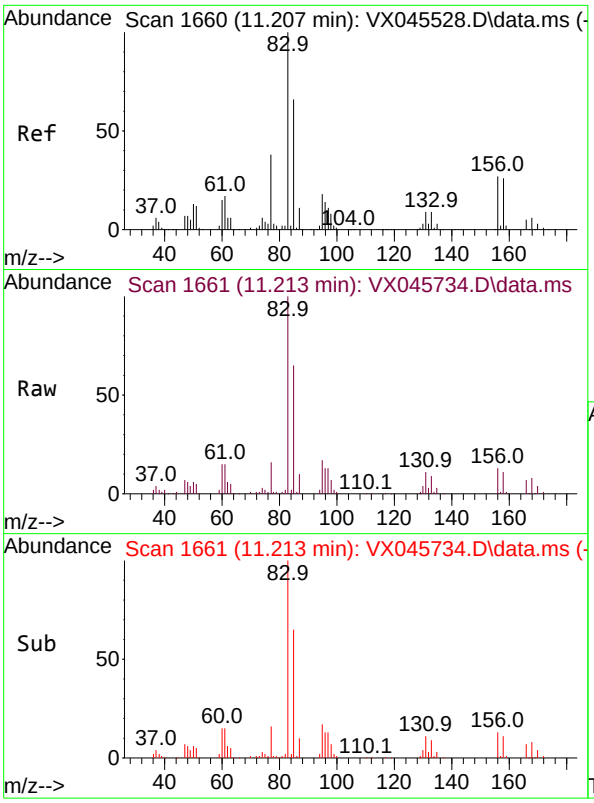


#74
N-amyl acetate
Concen: 19.782 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 47908

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3



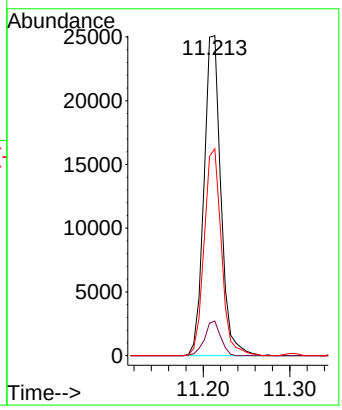


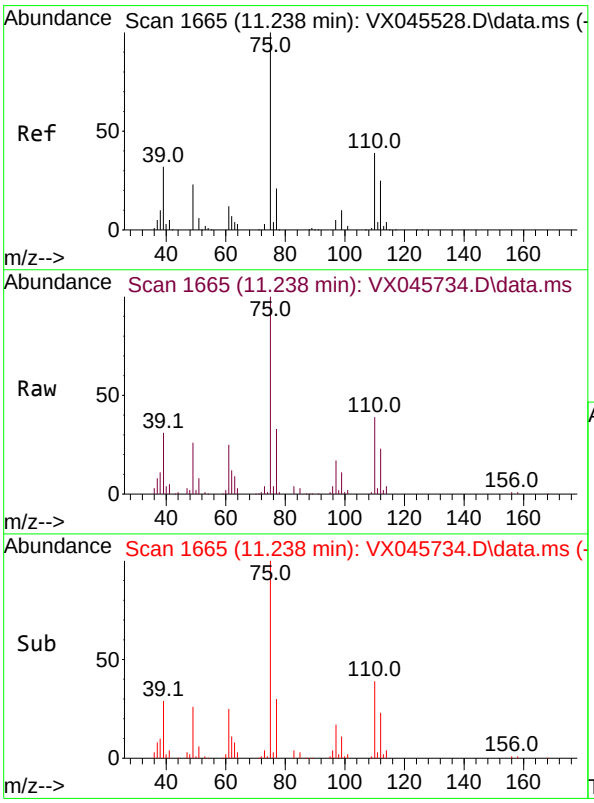
#75
1,1,2,2-Tetrachloroethane
Concen: 19.101 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 83 Resp: 33971

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.7	14.1
85	66.1	32.4	97.2

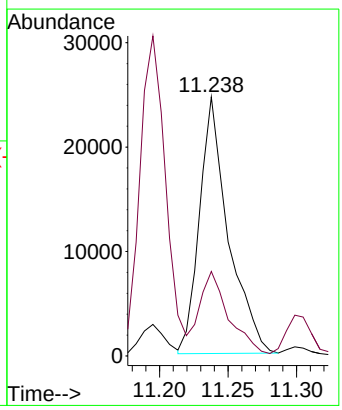


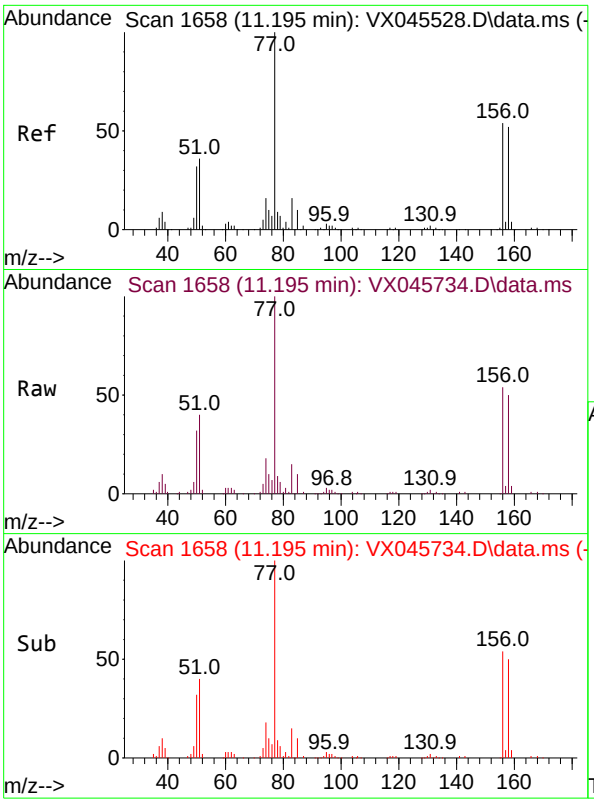


#76
1,2,3-Trichloropropane
Concen: 23.351 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 36001

Ion	Ratio	Lower	Upper
75	100		
77	34.2	20.0	59.9



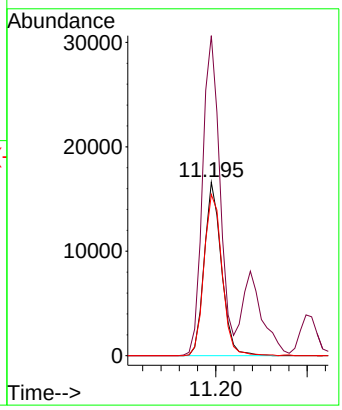


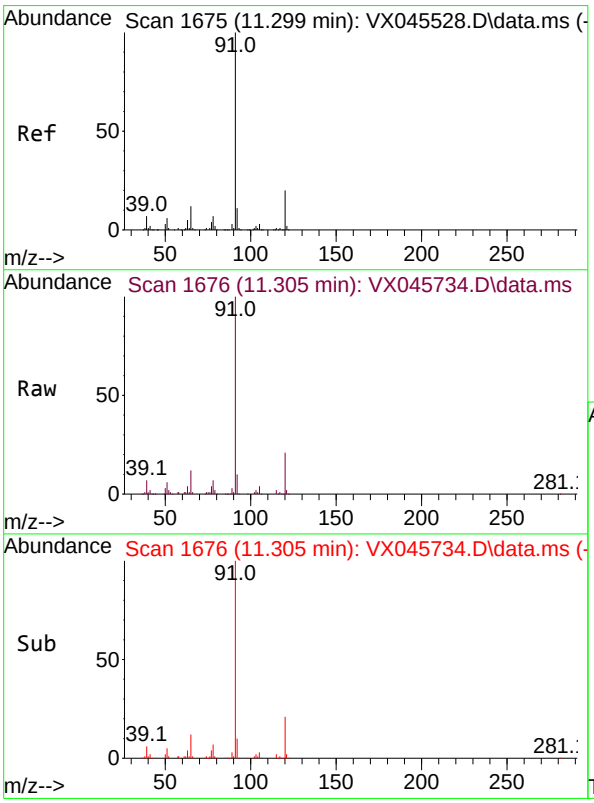
#77
Bromobenzene
Concen: 18.496 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:156 Resp: 21636

Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.6	277.8
158	97.6	48.1	144.4

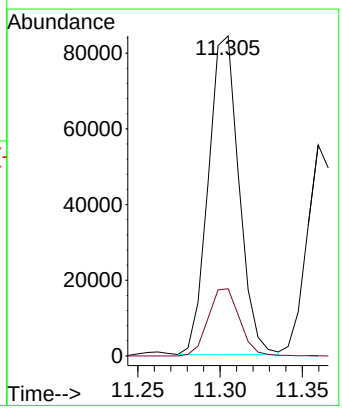


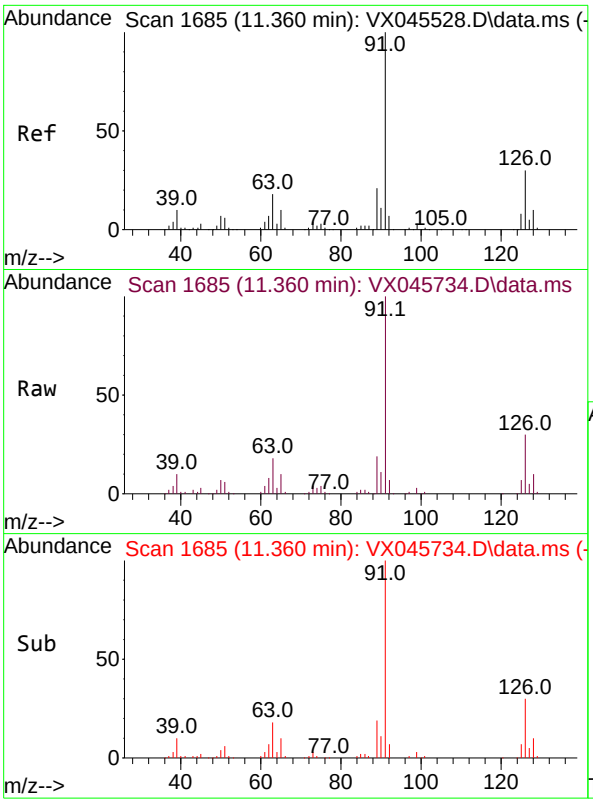


#78
n-propylbenzene
Concen: 18.729 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 109219

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3



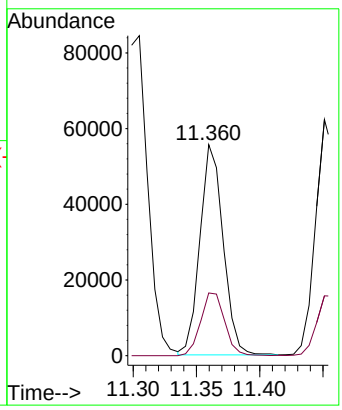


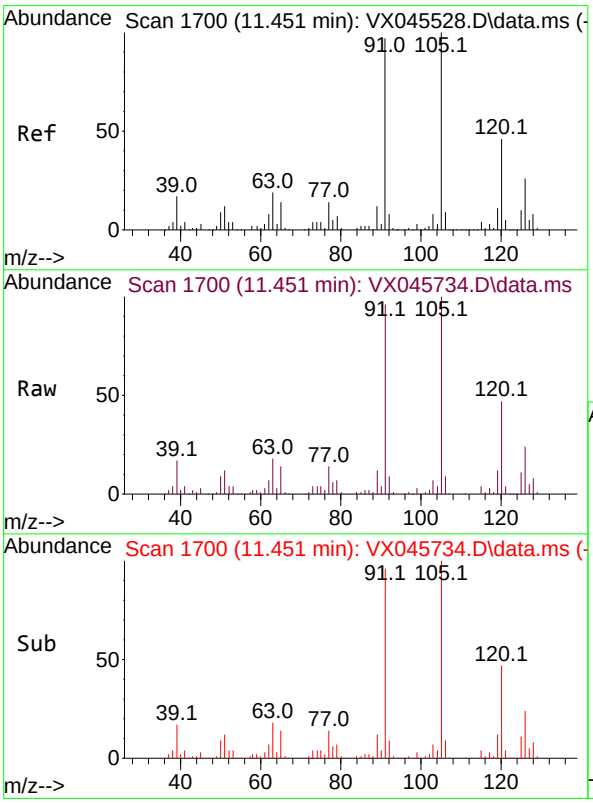
#79
2-Chlorotoluene
Concen: 19.042 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 91 Resp: 70992

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4

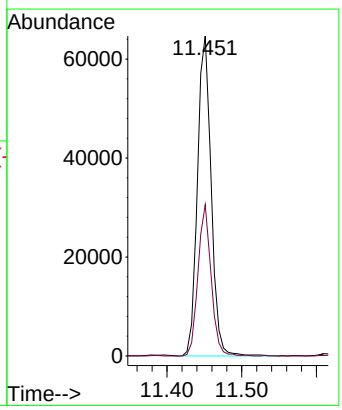


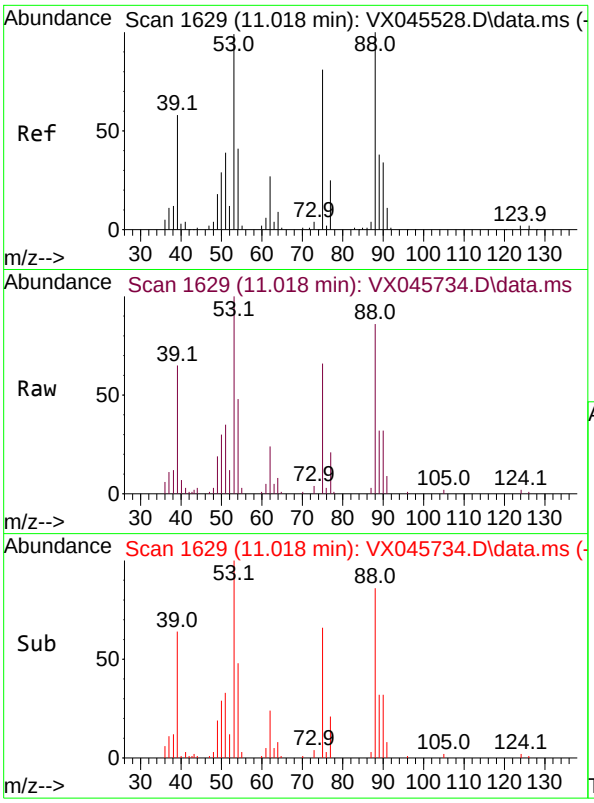


#80
1,3,5-Trimethylbenzene
Concen: 19.685 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 82413

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0



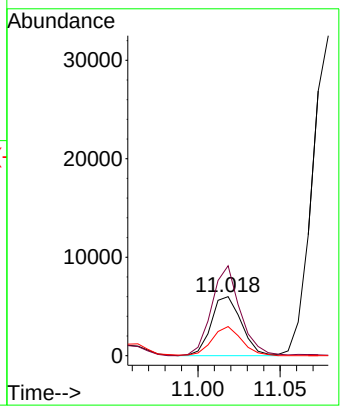


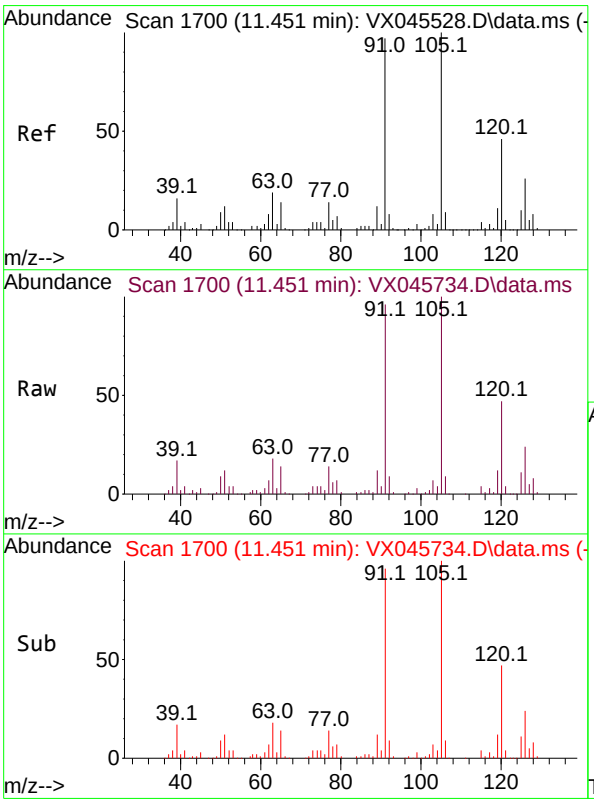
#81
trans-1,4-Dichloro-2-butene
Concen: 16.968 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 75 Resp: 7708

Ion	Ratio	Lower	Upper
75	100		
53	143.2	101.8	152.6
89	48.2	37.2	55.8

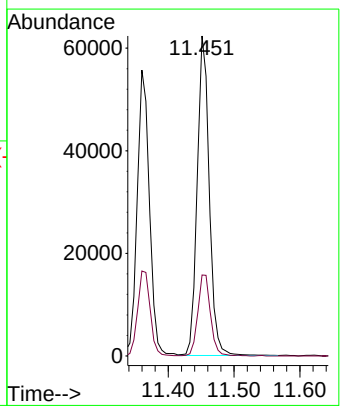


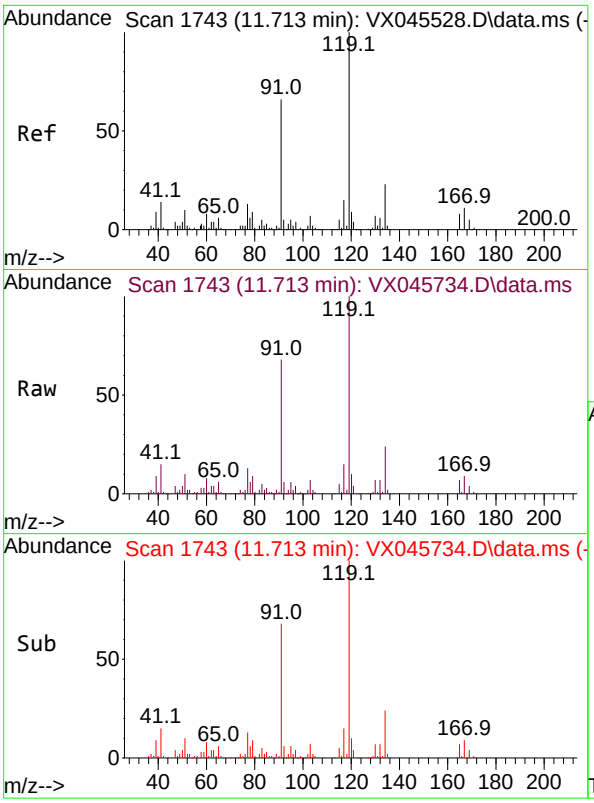


#82
4-Chlorotoluene
Concen: 19.041 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 79146

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9



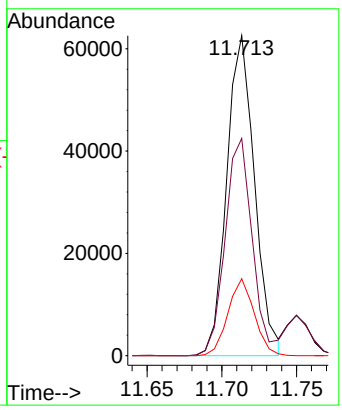


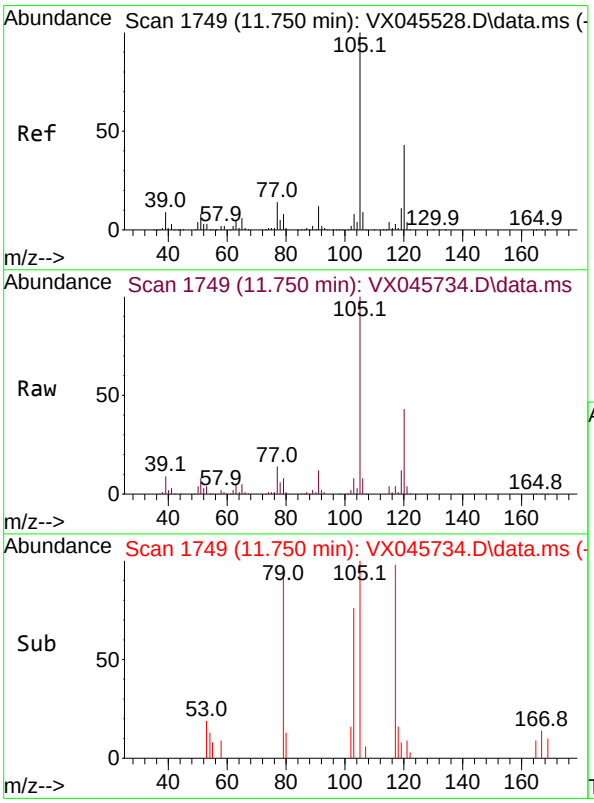
#83
tert-Butylbenzene
Concen: 19.544 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:119 Resp: 81006

Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.4	97.2
134	22.8	11.5	34.5

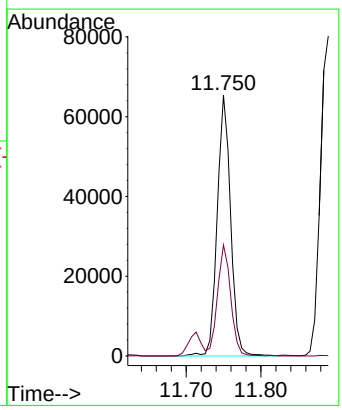


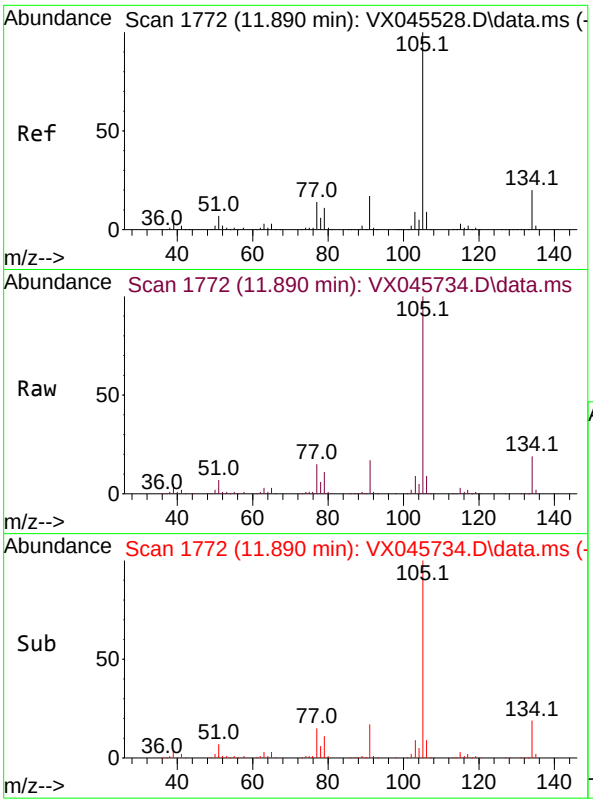


#84
1,2,4-Trimethylbenzene
Concen: 19.427 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 81630

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.3



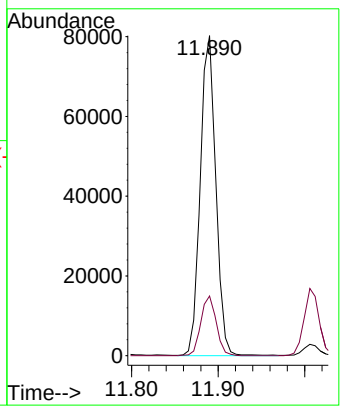


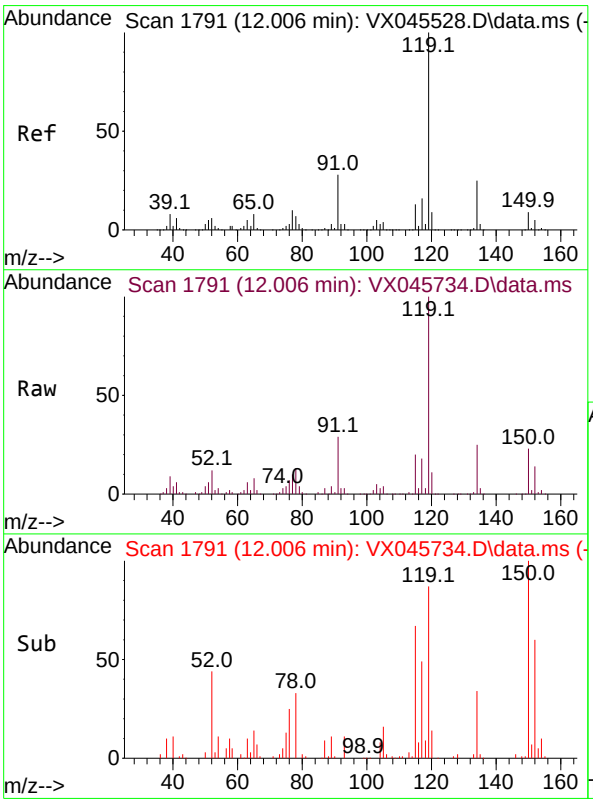
#85
sec-Butylbenzene
Concen: 19.646 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:105 Resp: 100015

Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

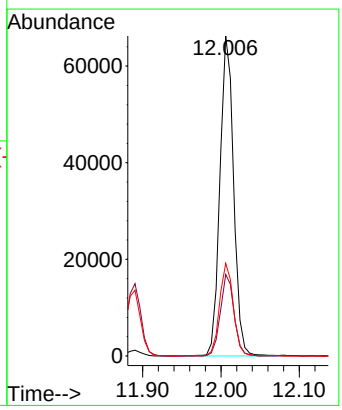


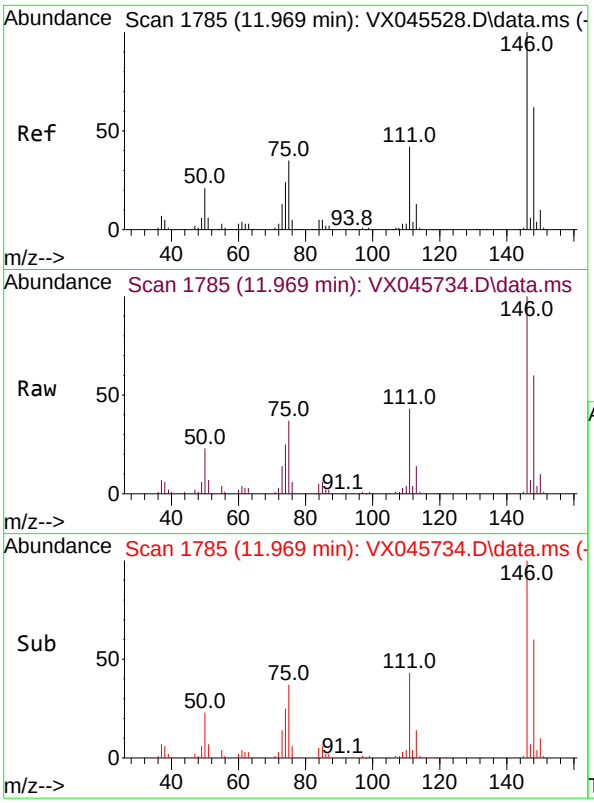


#86
p-Isopropyltoluene
Concen: 19.230 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:119 Resp: 80710

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	29.1	13.7	41.1



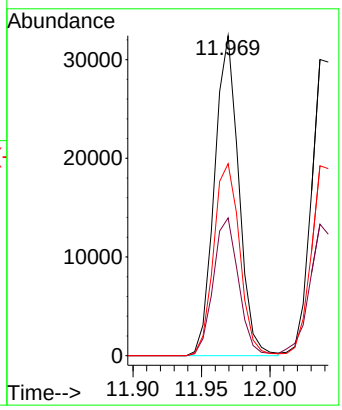


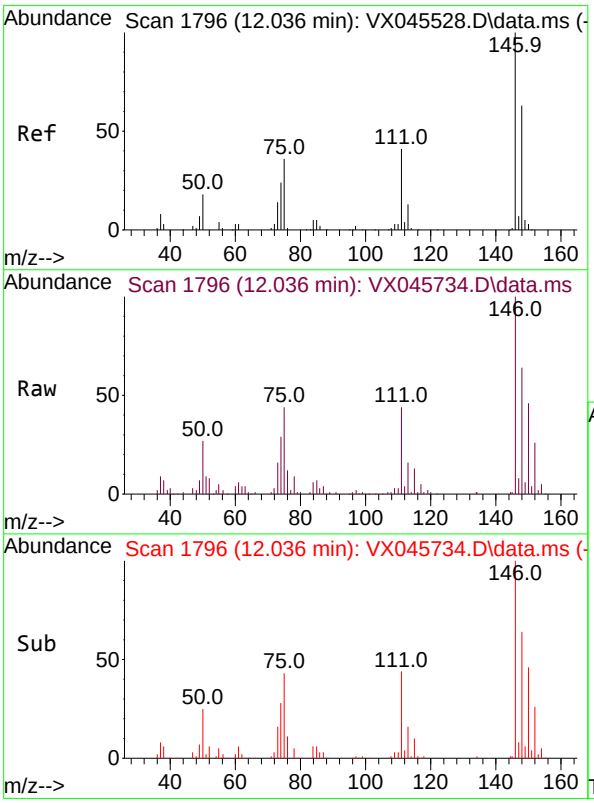
#87
1,3-Dichlorobenzene
Concen: 18.700 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:146 Resp: 39819

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	64.5	31.9	95.7

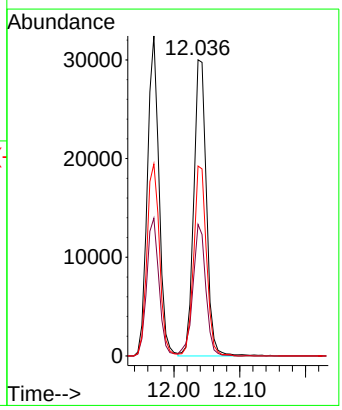


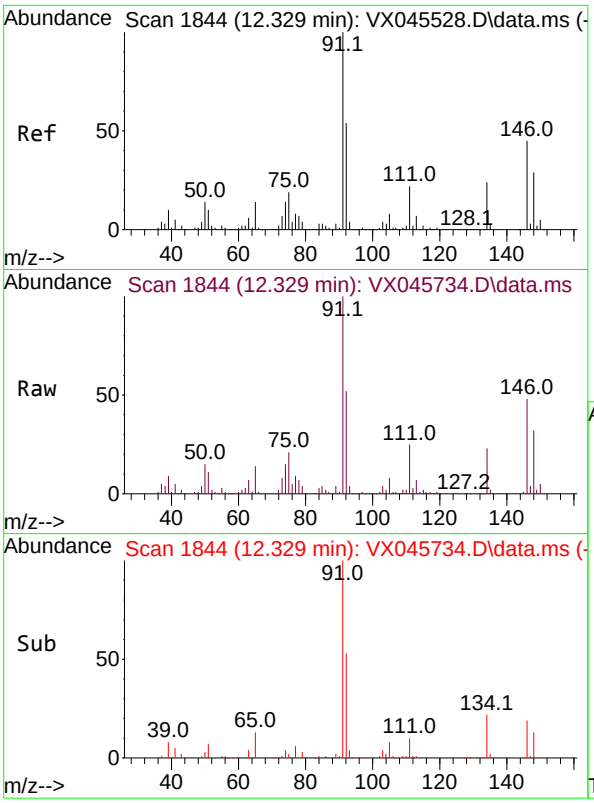


#88
1,4-Dichlorobenzene
Concen: 18.625 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 40207

Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.9	62.8
148	64.5	31.5	94.5



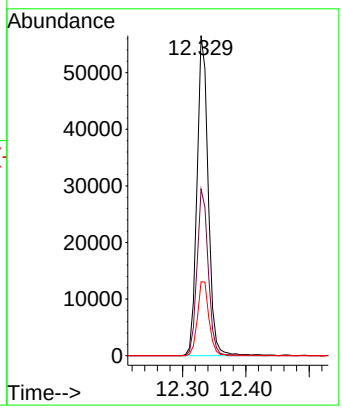


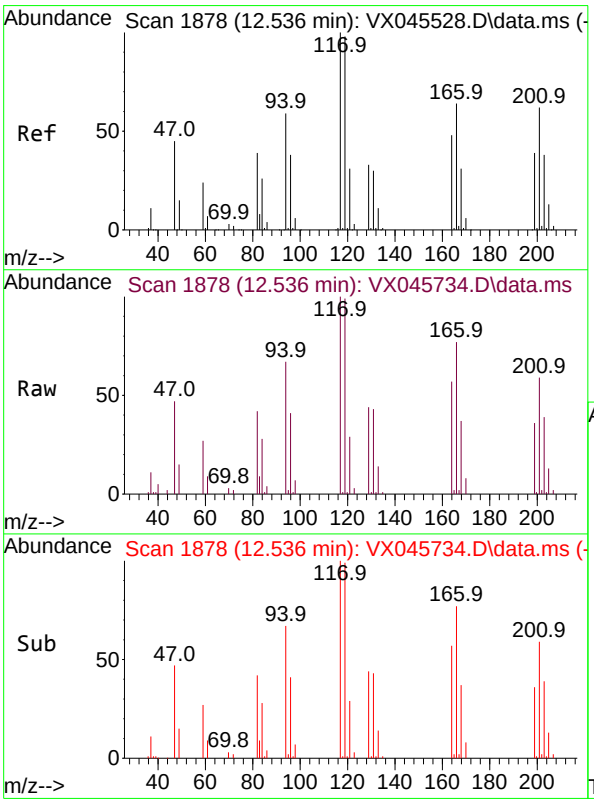
#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion: 91 Resp: 70013

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.9	80.6
134	23.5	11.9	35.7

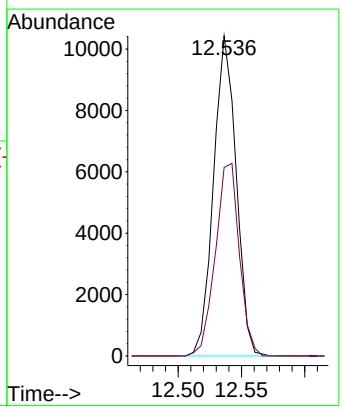


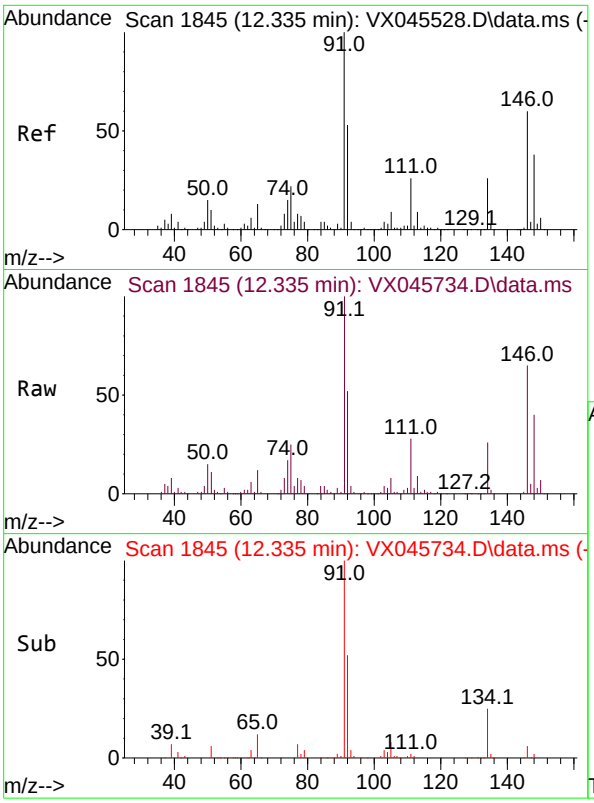


#90
Hexachloroethane
Concen: 17.984 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 12972

Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.2	93.6



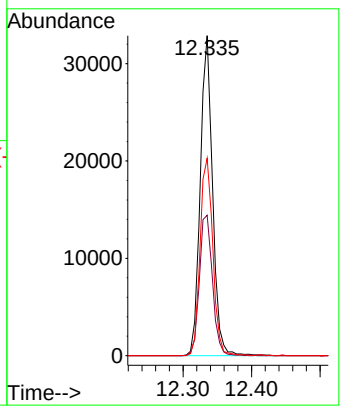


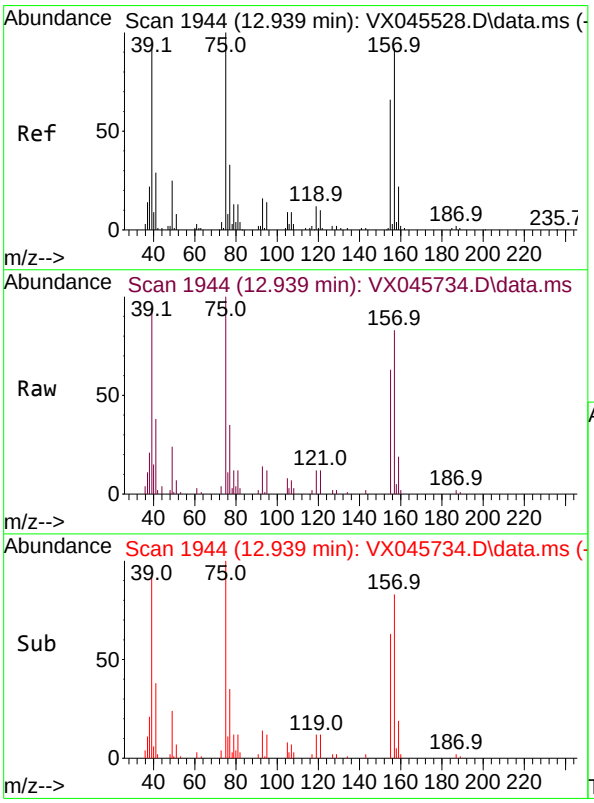
#91
1,2-Dichlorobenzene
Concen: 19.448 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:146 Resp: 41172

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5

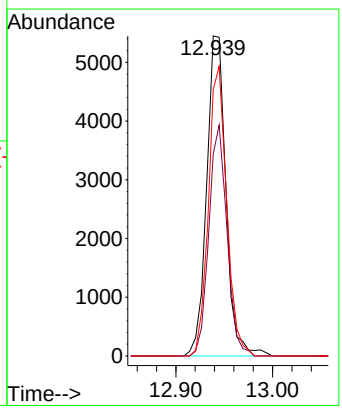


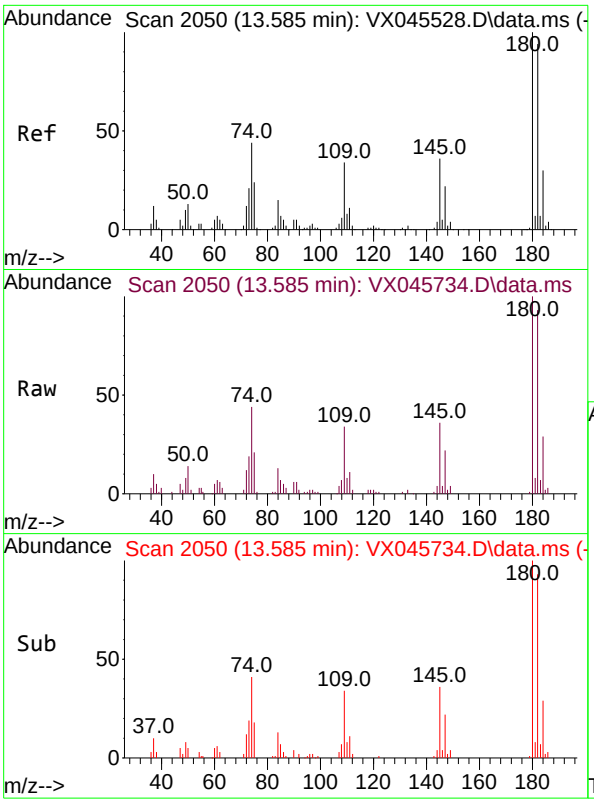


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.323 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 7559

Ion	Ratio	Lower	Upper
75	100		
155	67.8	34.9	104.7
157	85.7	44.9	134.7



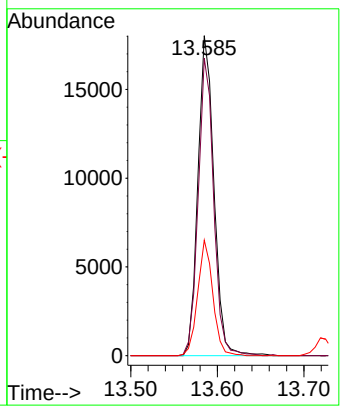


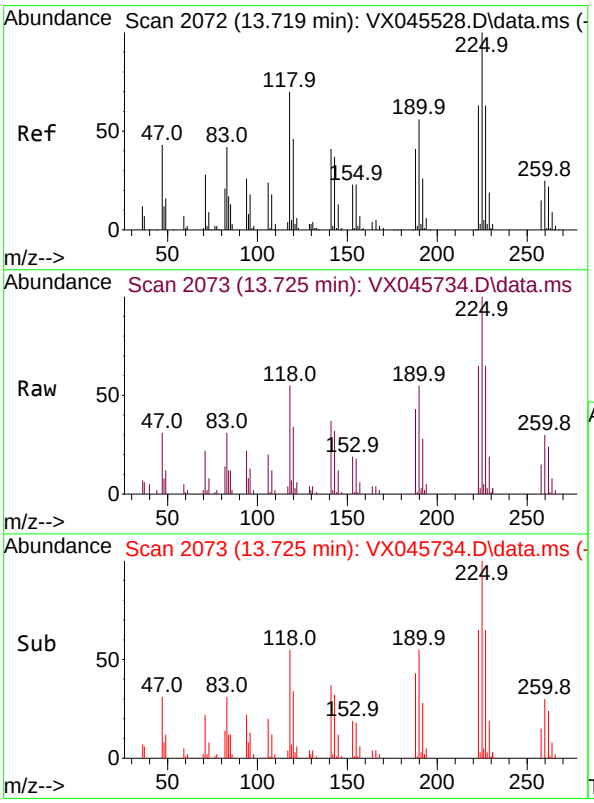
#93
1,2,4-Trichlorobenzene
Concen: 19.650 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:180 Resp: 23156

Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.9	143.6
145	34.2	17.9	53.8

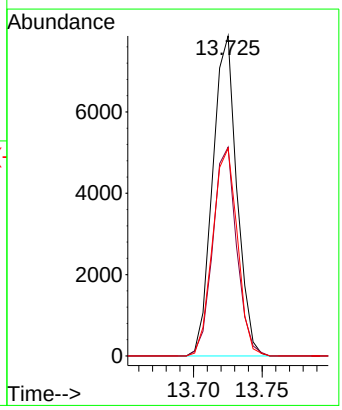


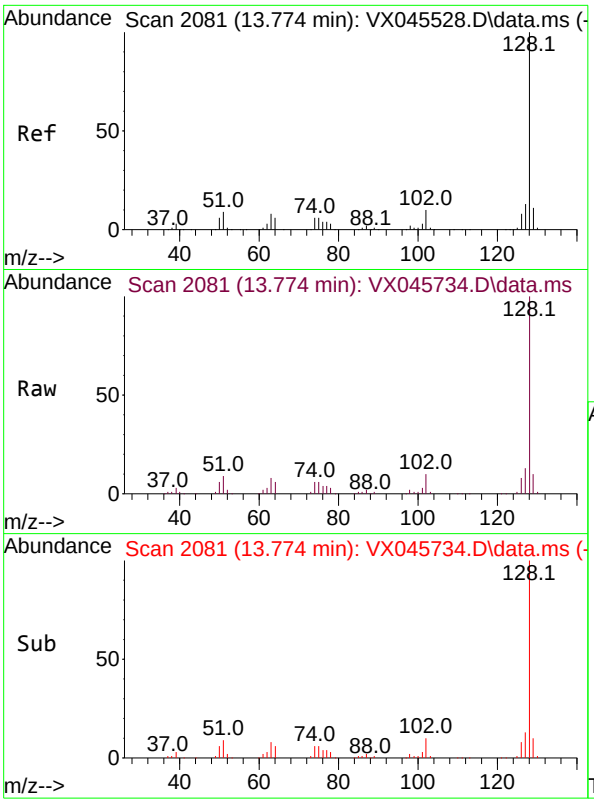


#94
Hexachlorobutadiene
Concen: 19.053 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:225 Resp: 9675

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	66.1	32.2	96.6



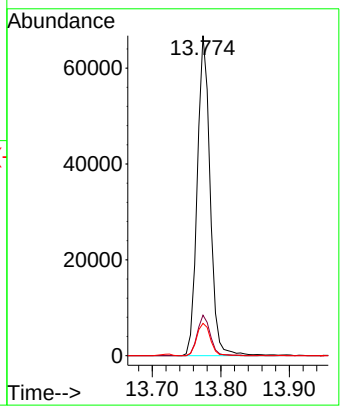


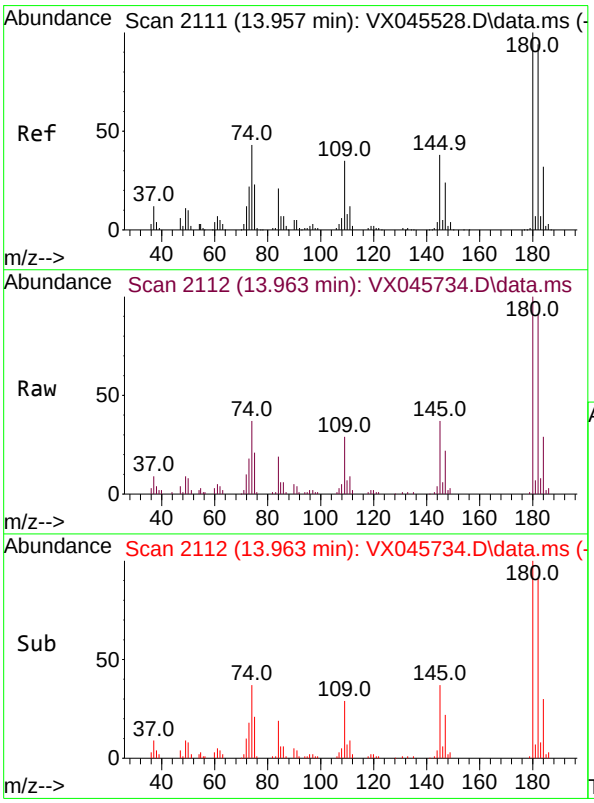
#95
Naphthalene
Concen: 19.903 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tgt Ion:128 Resp: 87280

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	12.8

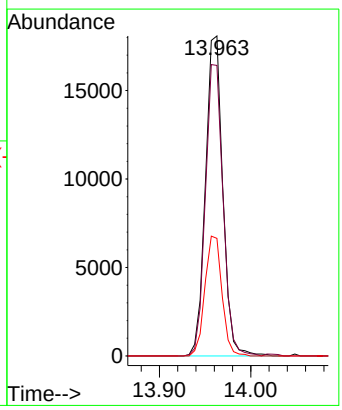




#96
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:180 Resp: 23791

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.3	141.8
145	36.8	18.2	54.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	85207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82299	52.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	5.379	113	54566	50.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.647	98	188183	49.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	71478	51.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64094	50.299	ug/l	99
3) Chloromethane	1.300	50	61308	46.832	ug/l	100
4) Vinyl Chloride	1.373	62	57590	48.070	ug/l	100
5) Bromomethane	1.593	94	25726	45.288	ug/l	95
6) Chloroethane	1.660	64	27868	43.844	ug/l	98
7) Trichlorofluoromethane	1.867	101	89092	49.869	ug/l	97
8) Diethyl Ether	2.136	74	29656	49.444	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	51610	49.300	ug/l	98
10) Methyl Iodide	2.440	142	63937	48.966	ug/l	97
11) Tert butyl alcohol	2.989	59	50890	243.014	ug/l	99
12) 1,1-Dichloroethene	2.306	96	49434	48.327	ug/l	98
13) Acrolein	2.239	56	72885	252.744	ug/l	100
14) Allyl chloride	2.654	41	97067	50.013	ug/l	99
15) Acrylonitrile	3.062	53	166094	251.263	ug/l	99
16) Acetone	2.385	43	160347	250.602	ug/l	99
17) Carbon Disulfide	2.501	76	101834	40.308	ug/l	99
18) Methyl Acetate	2.703	43	84713	57.504	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	182289	50.943	ug/l	99
20) Methylene Chloride	2.782	84	58294	48.665	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	49920	47.769	ug/l	97
22) Diisopropyl ether	3.763	45	197003	51.529	ug/l	99
23) Vinyl Acetate	3.721	43	844015	255.514	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107113	49.540	ug/l	99
25) 2-Butanone	4.562	43	242145	258.535	ug/l	100
26) 2,2-Dichloropropane	4.470	77	66775	47.800	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	61699	48.460	ug/l	98
28) Bromochloromethane	4.891	49	51825	49.600	ug/l	98
29) Tetrahydrofuran	5.007	42	152548	251.219	ug/l	99
30) Chloroform	5.086	83	112483	50.559	ug/l	99
31) Cyclohexane	5.458	56	90212	47.195	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	93595	49.717	ug/l	99
36) 1,1-Dichloropropene	5.684	75	70256	47.875	ug/l	99
37) Ethyl Acetate	4.714	43	89527	48.411	ug/l	99
38) Carbon Tetrachloride	5.671	117	79481	50.115	ug/l	99
39) Methylcyclohexane	7.372	83	86058	47.841	ug/l	98
40) Benzene	6.031	78	217012	48.421	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	53623	54.955	ug/l		98
42) 1,2-Dichloroethane	6.080	62	95082	51.365	ug/l		100
43) Isopropyl Acetate	6.336	43	141995	50.660	ug/l		100
44) Trichloroethene	7.122	130	51614	48.452	ug/l		97
45) 1,2-Dichloropropane	7.427	63	55895	49.984	ug/l		96
46) Dibromomethane	7.580	93	42816	49.878	ug/l		99
47) Bromodichloromethane	7.817	83	86669	50.556	ug/l		99
48) Methyl methacrylate	7.689	41	76302	52.724	ug/l		97
49) 1,4-Dioxane	7.665	88	27382	1045.779	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	486157	261.644	ug/l		100
52) Toluene	8.714	92	132303	48.785	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73359	44.751	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	81250	50.435	ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	54804	50.713	ug/l		97
56) Ethyl methacrylate	9.116	69	89288	53.387	ug/l		99
57) 1,3-Dichloropropane	9.305	76	94836	50.395	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	222765	263.298	ug/l		100
59) 2-Hexanone	9.433	43	357016	259.467	ug/l		99
60) Dibromochloromethane	9.518	129	60677	51.502	ug/l		99
61) 1,2-Dibromoethane	9.604	107	55165	50.426	ug/l		100
64) Tetrachloroethene	9.268	164	45111	47.399	ug/l		97
65) Chlorobenzene	10.079	112	143974	49.983	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.158	131	49904	49.902	ug/l		98
67) Ethyl Benzene	10.189	91	259982	50.395	ug/l		99
68) m/p-Xylenes	10.299	106	189582	101.039	ug/l		99
69) o-Xylene	10.640	106	94810	51.294	ug/l		98
70) Styrene	10.652	104	159810	52.385	ug/l		99
71) Bromoform	10.799	173	37433	50.132	ug/l	#	98
73) Isopropylbenzene	10.957	105	252881	49.753	ug/l		100
74) N-amyl acetate	10.841	43	121387	49.926	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	84233	47.176	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	90907	58.733	ug/l		87
77) Bromobenzene	11.195	156	56882	48.436	ug/l		99
78) n-propylbenzene	11.305	91	291204	49.741	ug/l		100
79) 2-Chlorotoluene	11.359	91	182163	48.671	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	210739	50.140	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	20335	44.589	ug/l		95
82) 4-Chlorotoluene	11.451	91	207110	49.632	ug/l		100
83) tert-Butylbenzene	11.713	119	208036	49.996	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	211110	50.044	ug/l		100
85) sec-Butylbenzene	11.890	105	260361	50.943	ug/l		100
86) p-Isopropyltoluene	12.006	119	212566	50.448	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	102095	47.759	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	101930	47.033	ug/l		98
89) n-Butylbenzene	12.329	91	184298	50.440	ug/l		100
90) Hexachloroethane	12.536	117	35741	49.357	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	103817	48.847	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19365	51.860	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	59591	50.371	ug/l		99
94) Hexachlorobutadiene	13.725	225	24648	48.349	ug/l		97
95) Naphthalene	13.774	128	226111	51.359	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61729	49.830	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

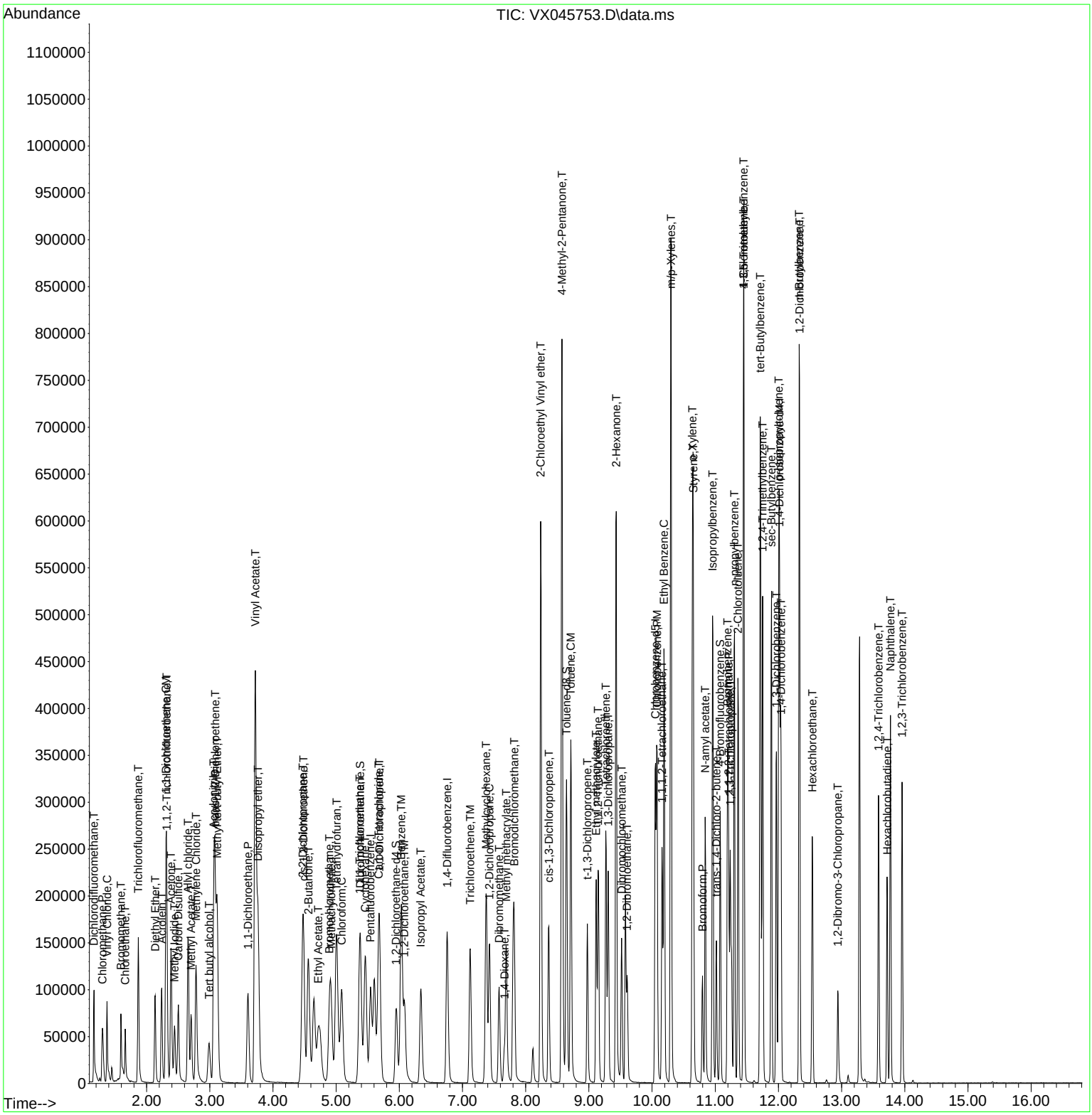
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

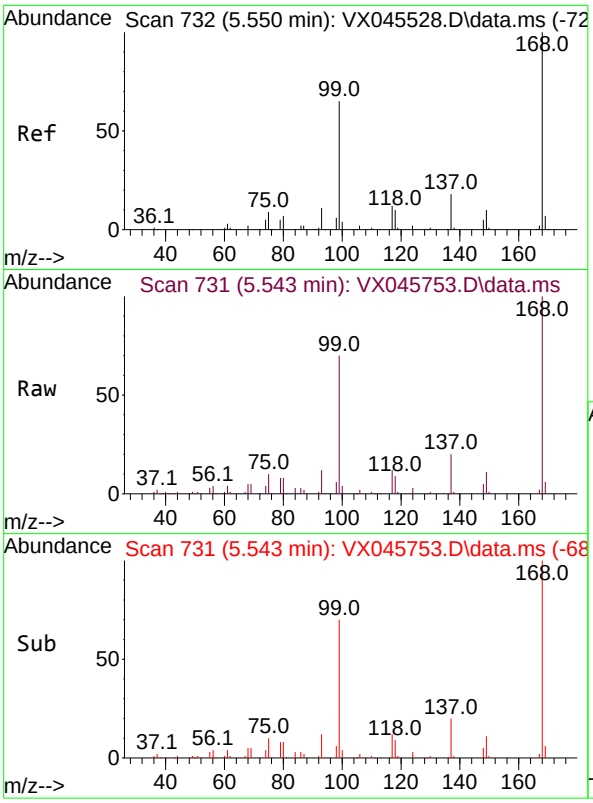
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045753.D
Acq On : 11 Apr 2025 19:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 11 23:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



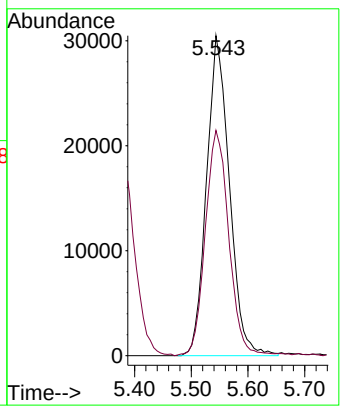


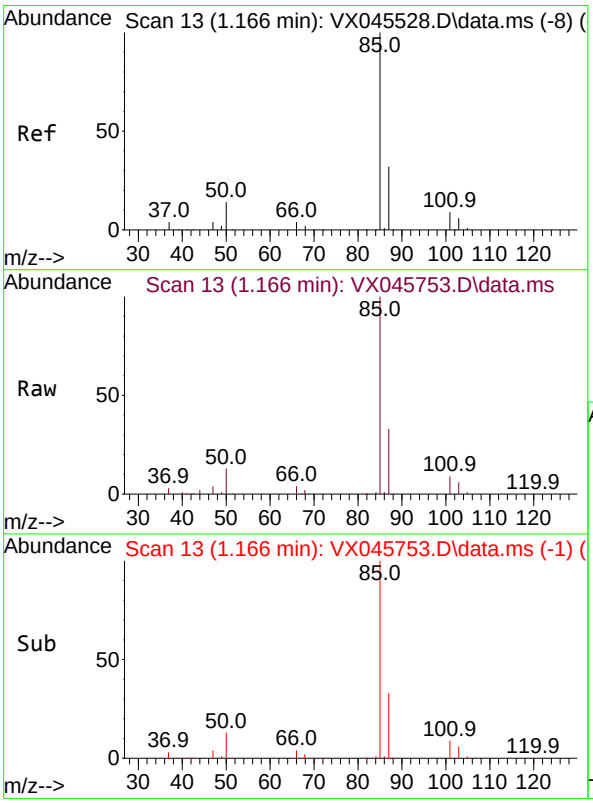
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 85207

Ion	Ratio	Lower	Upper
168	100		
99	70.1	52.3	78.5

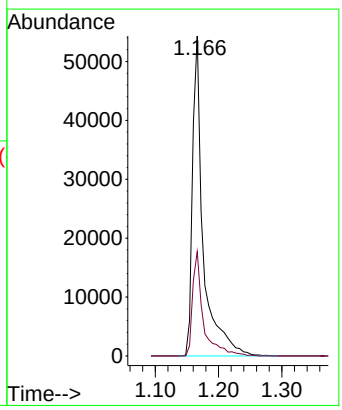


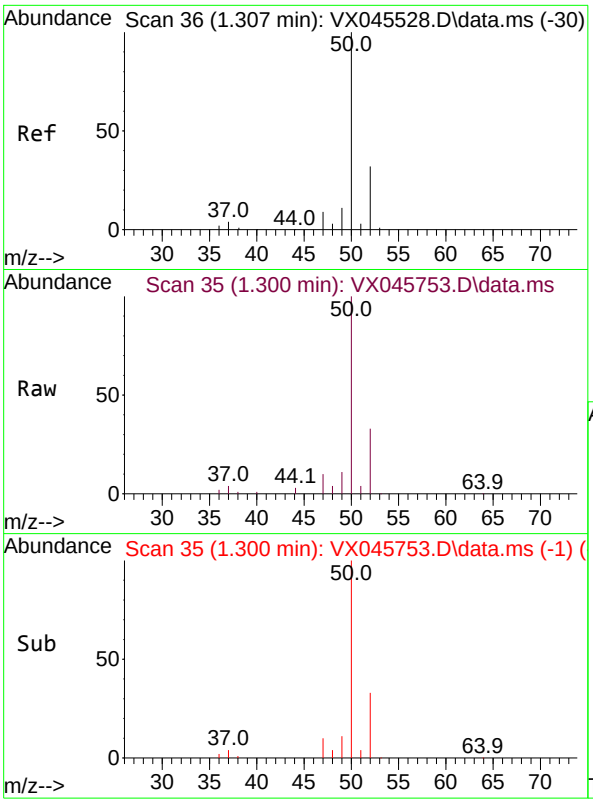


#2
Dichlorodifluoromethane
Concen: 50.299 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 85 Resp: 64094

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2



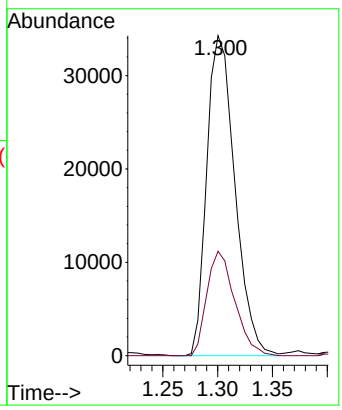


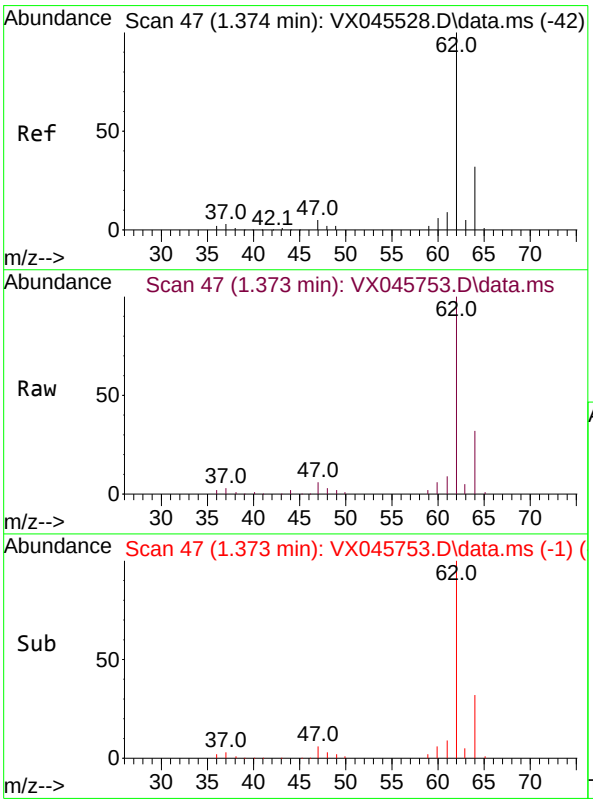
#3
Chloromethane
Concen: 46.832 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 61308

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.9	38.9

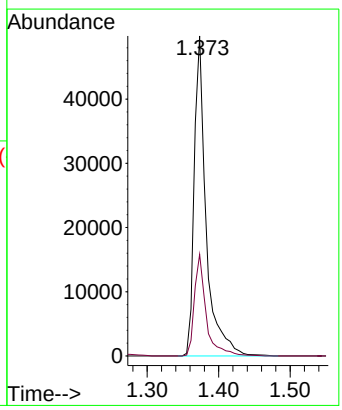


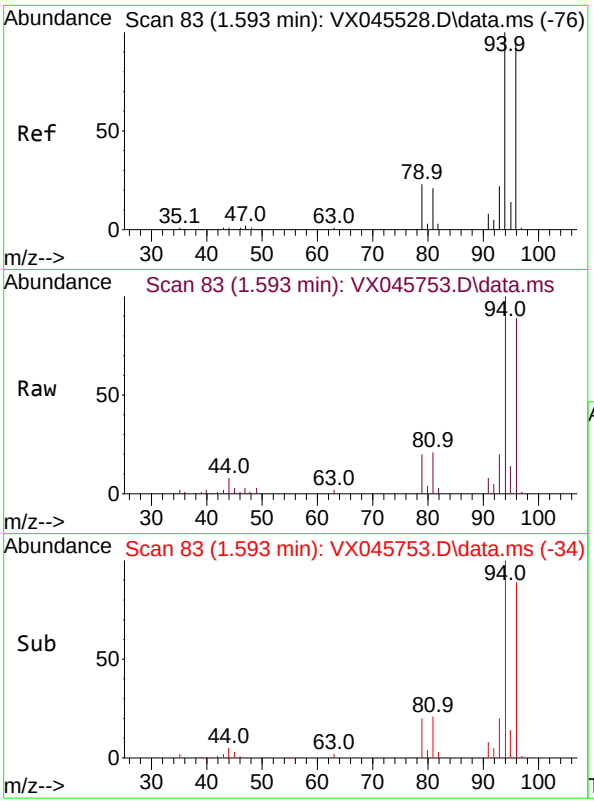


#4
Vinyl Chloride
Concen: 48.070 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 62 Resp: 57590

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.5	38.3



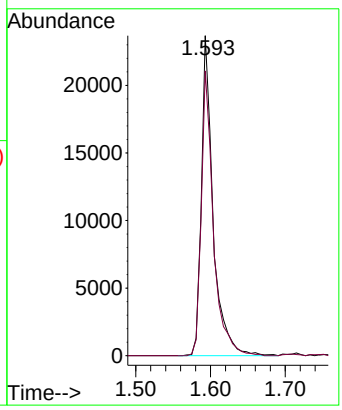


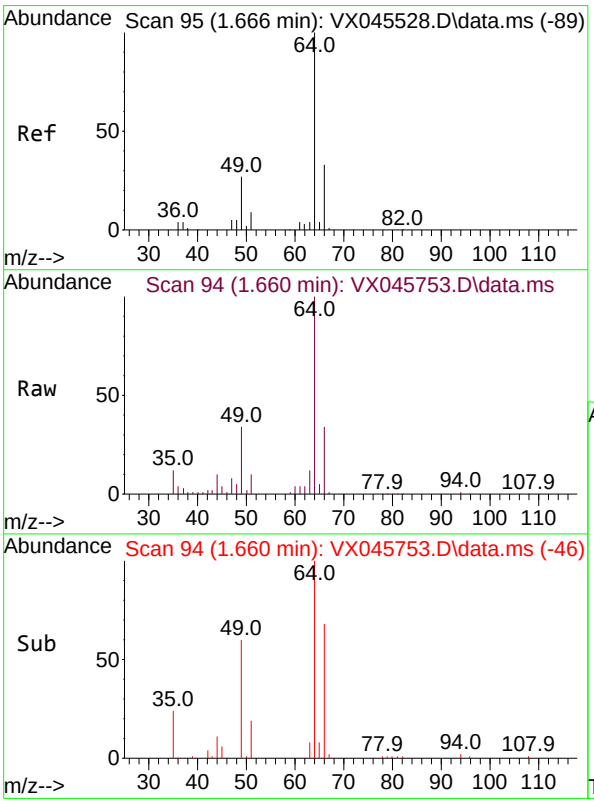
#5
Bromomethane
Concen: 45.288 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 25726

Ion	Ratio	Lower	Upper
94	100		
96	89.0	74.8	112.2

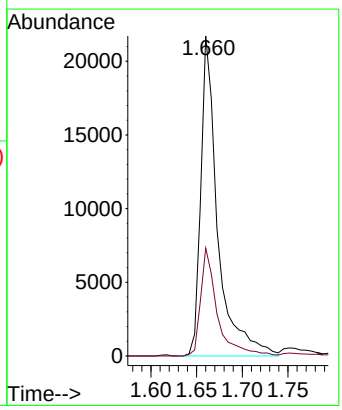


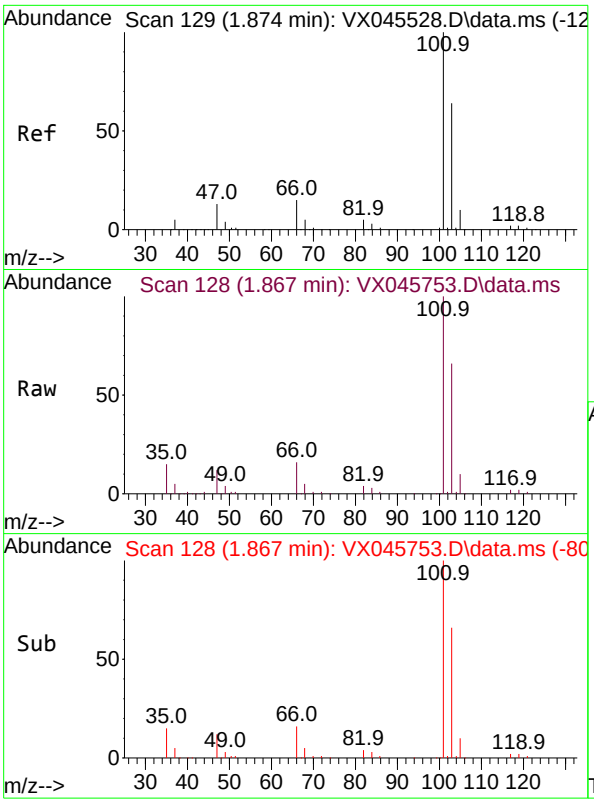


#6
Chloroethane
Concen: 43.844 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 64 Resp: 27868

Ion	Ratio	Lower	Upper
64	100		
66	33.8	26.3	39.5



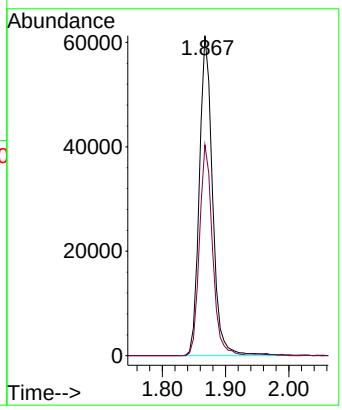


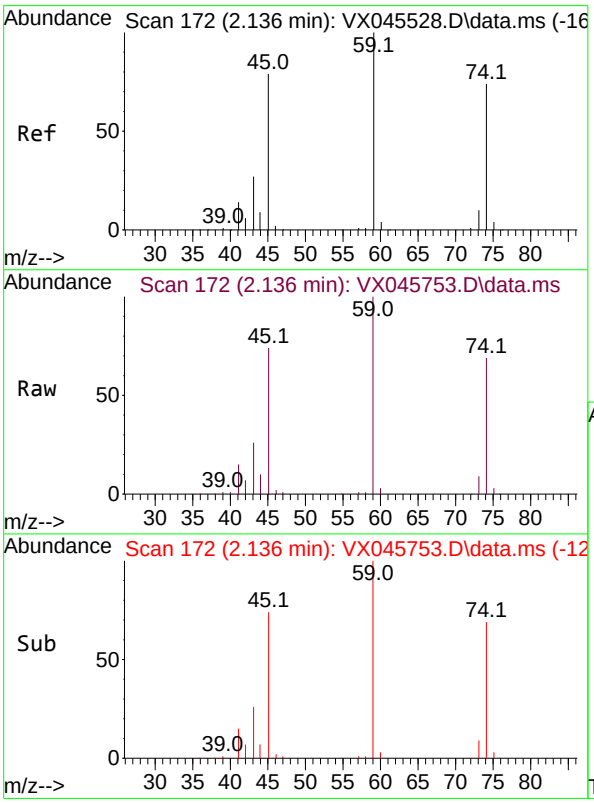
#7
Trichlorofluoromethane
Concen: 49.869 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 89092

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.1	76.7

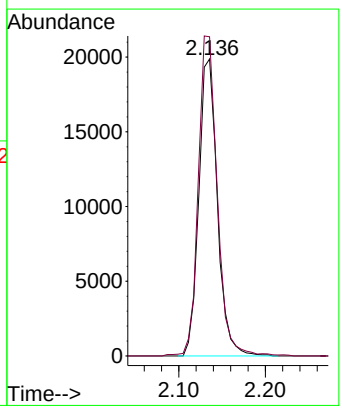


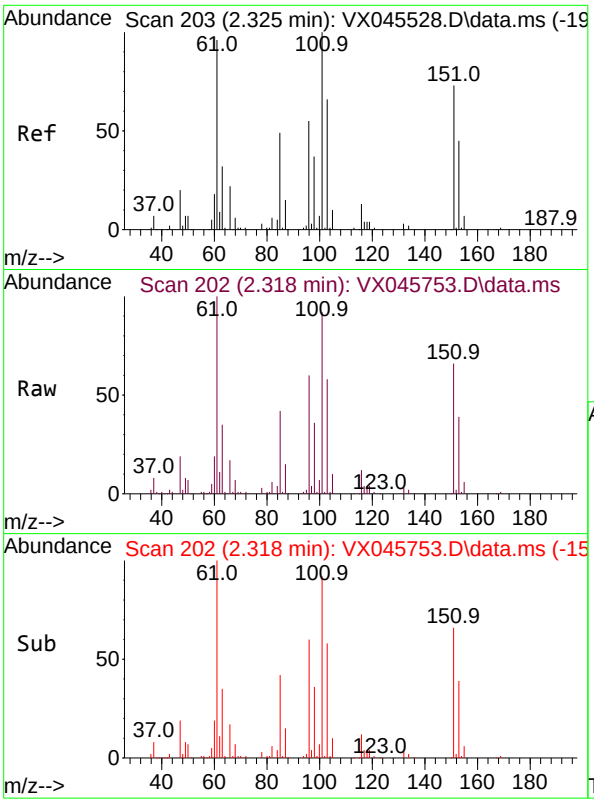


#8
Diethyl Ether
Concen: 49.444 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 74 Resp: 29656

Ion	Ratio	Lower	Upper
74	100		
45	110.1	53.0	159.1



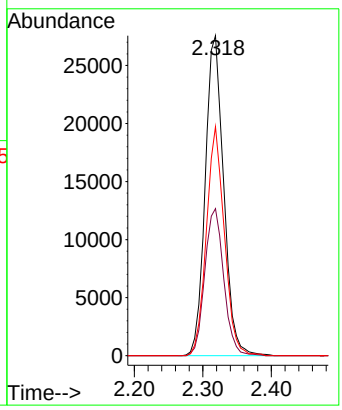


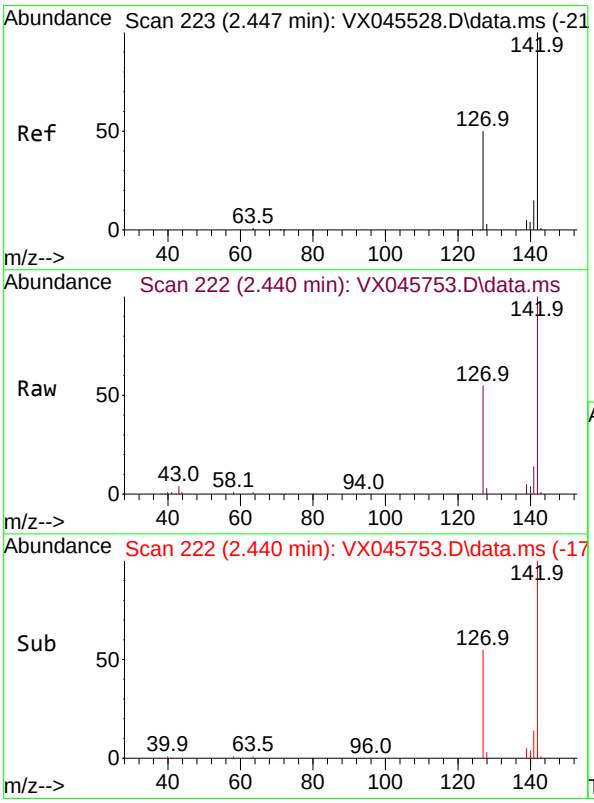
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.300 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 51610

Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.9	58.3
151	69.7	57.5	86.3

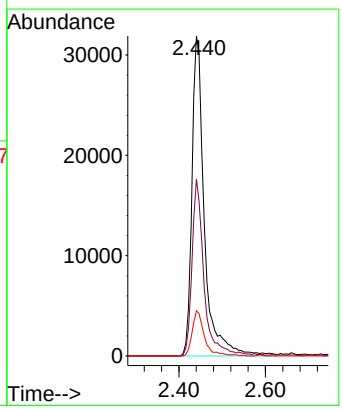


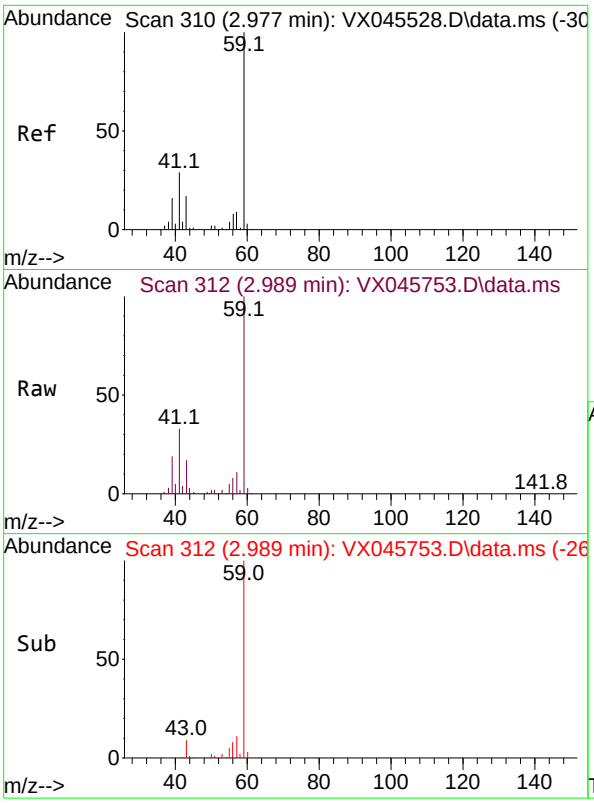


#10
Methyl Iodide
Concen: 48.966 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:142 Resp: 63937

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.2	60.4
141	13.8	11.7	17.5



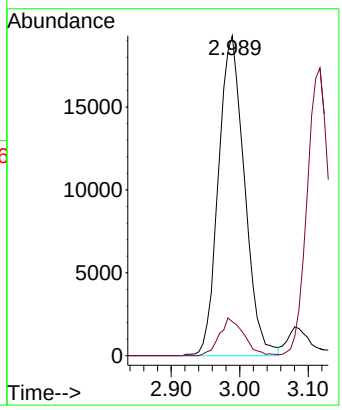


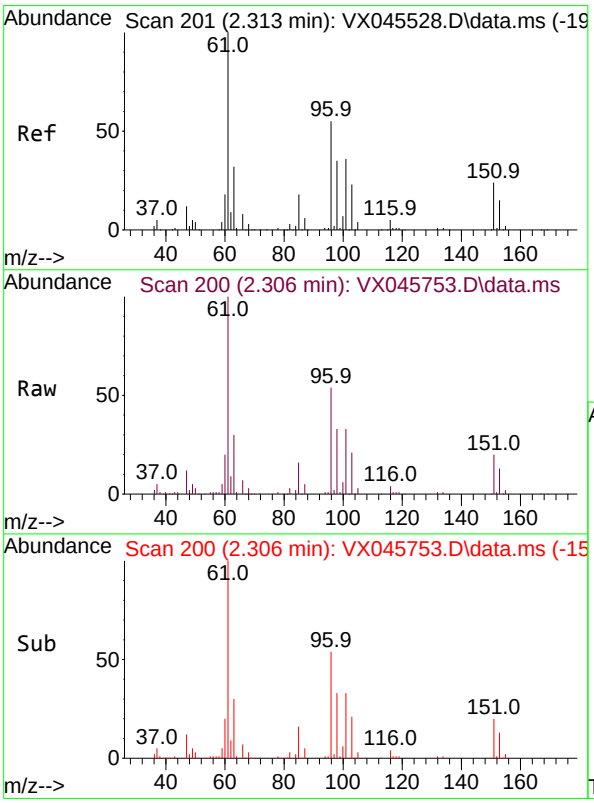
#11
Tert butyl alcohol
Concen: 243.014 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 50890

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

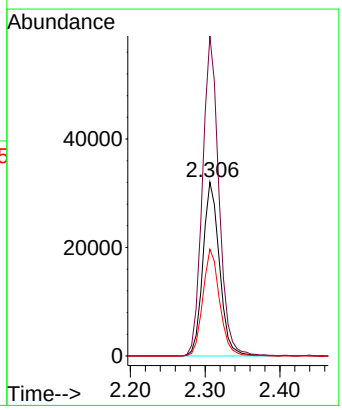


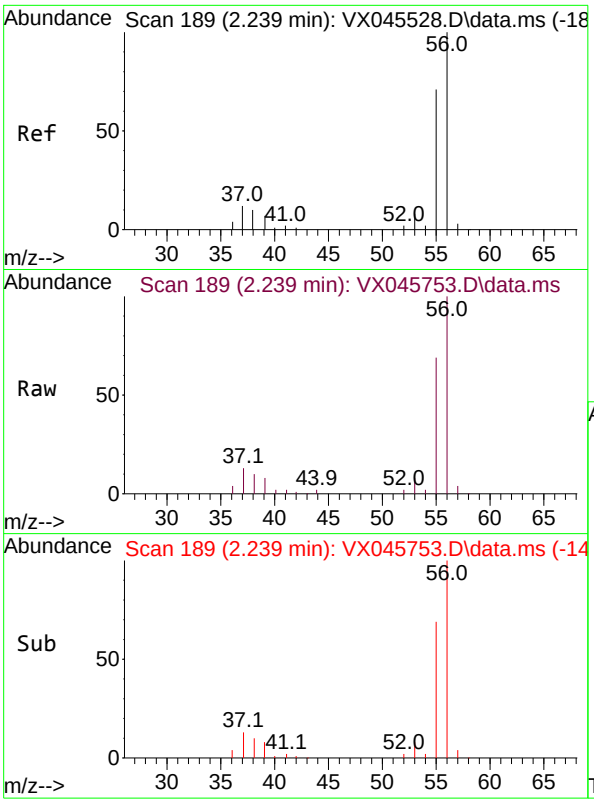


#12
1,1-Dichloroethene
Concen: 48.327 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 96 Resp: 49434

Ion	Ratio	Lower	Upper
96	100		
61	183.9	145.7	218.5
98	61.4	51.6	77.4



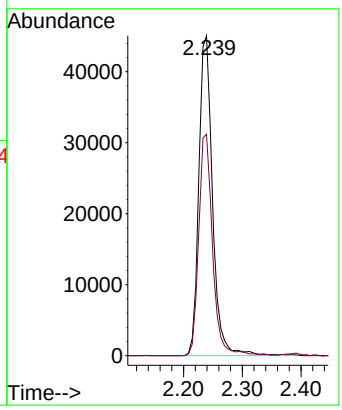


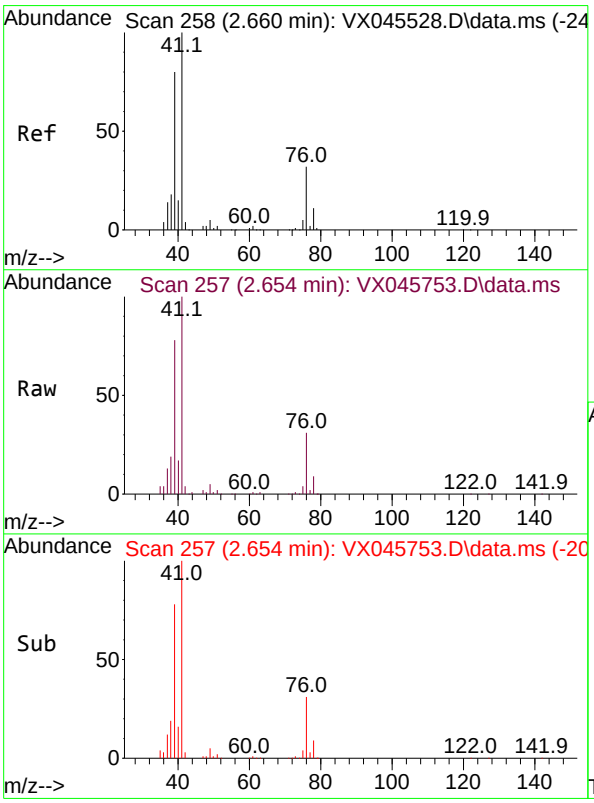
#13
Acrolein
Concen: 252.744 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 72885

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2

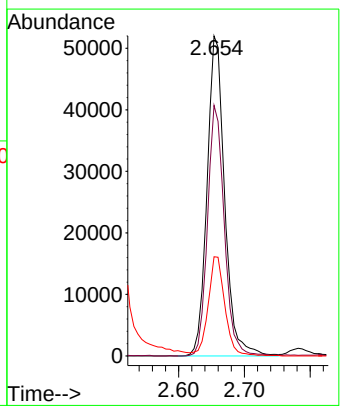


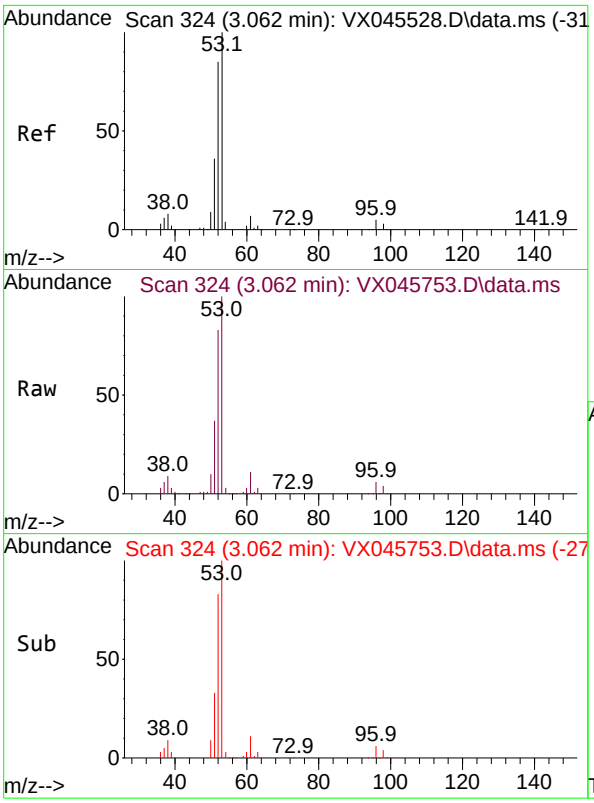


#14
Allyl chloride
Concen: 50.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 41 Resp: 97067

Ion	Ratio	Lower	Upper
41	100		
39	74.5	60.2	90.2
76	29.5	24.6	36.8



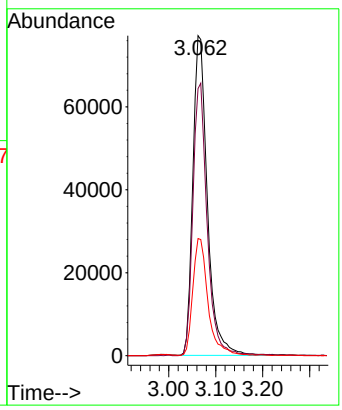


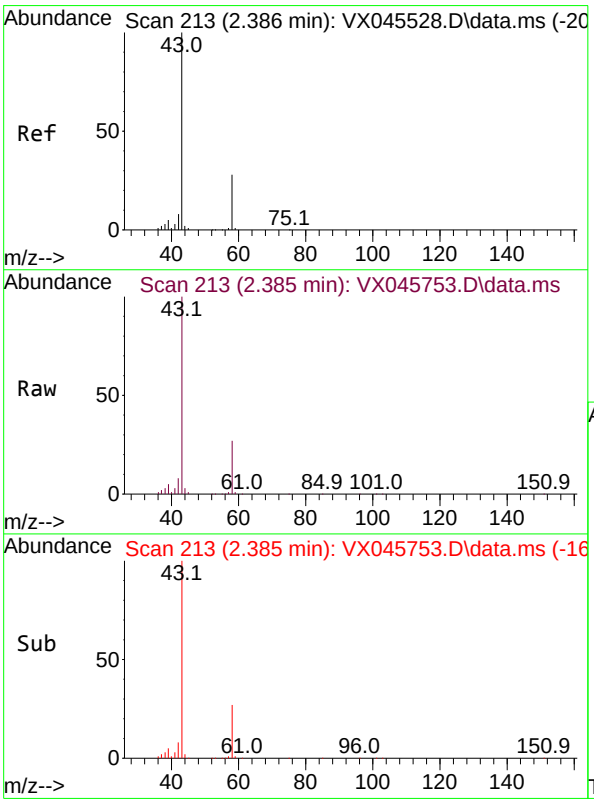
#15
Acrylonitrile
Concen: 251.263 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 166094

Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.4	101.2
51	38.2	29.9	44.9

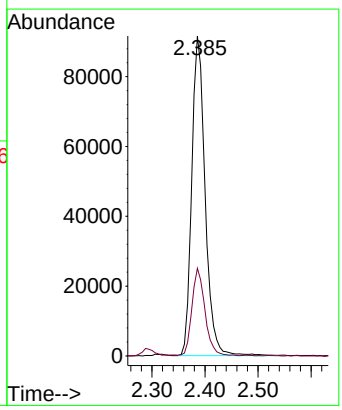


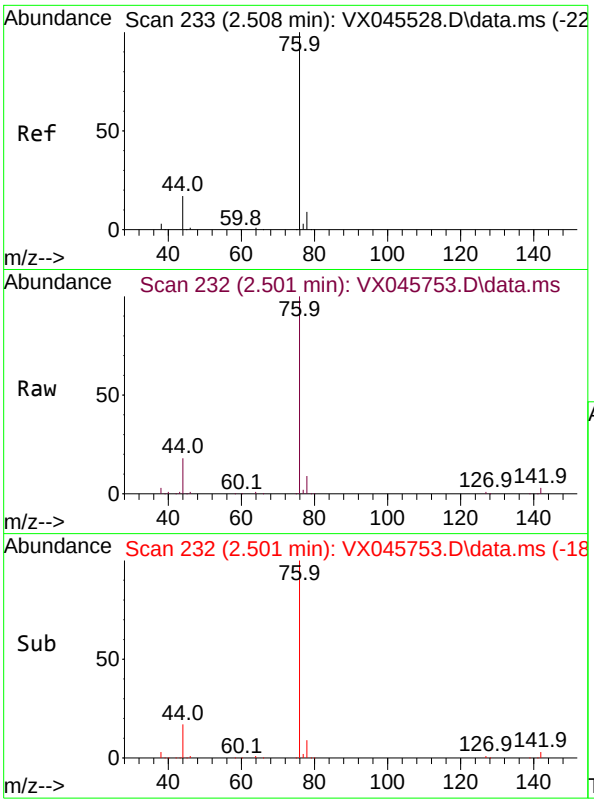


#16
Acetone
Concen: 250.602 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 160347

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.3	33.5



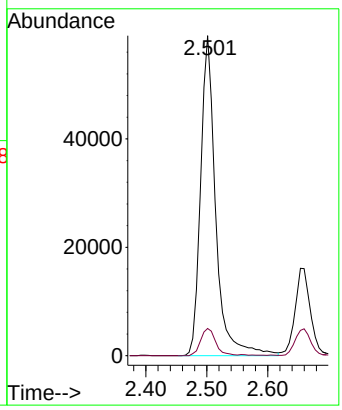


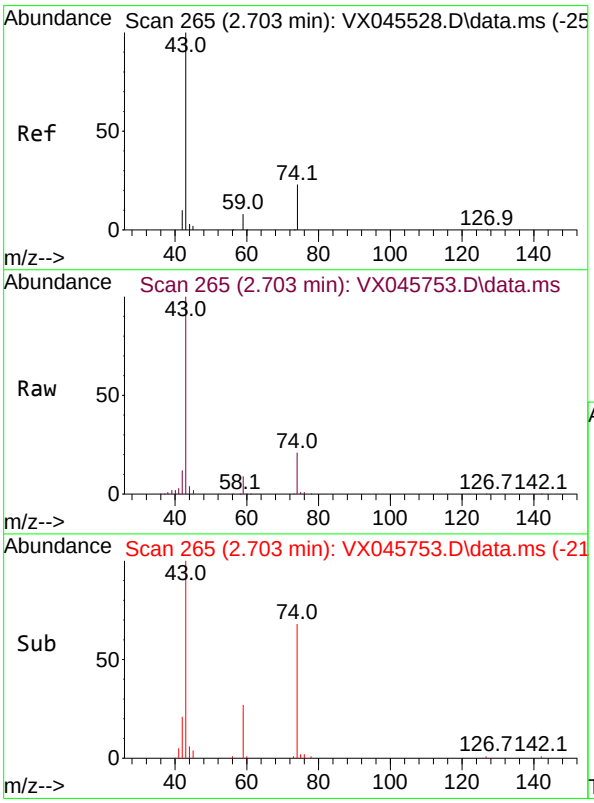
#17
Carbon Disulfide
Concen: 40.308 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 101834

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

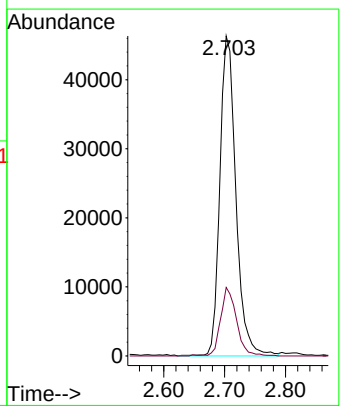


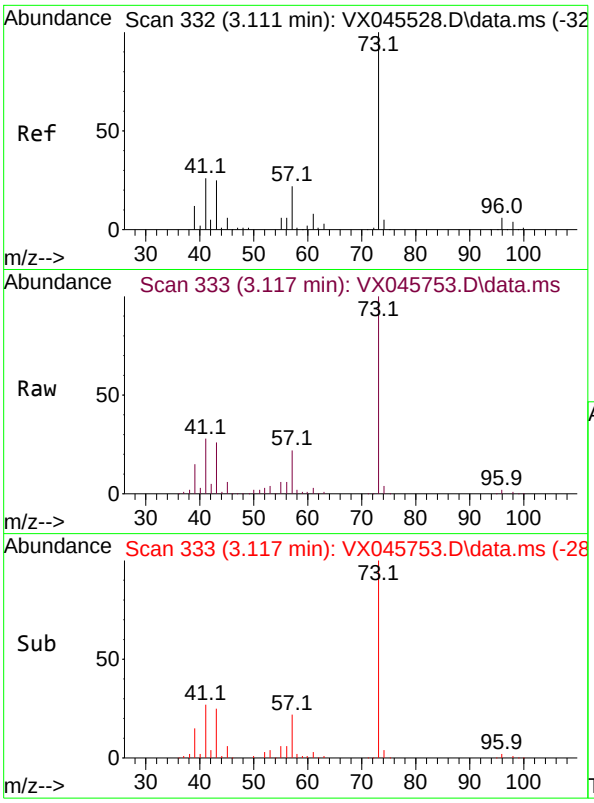


#18
Methyl Acetate
Concen: 57.504 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 84713

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.5	26.3



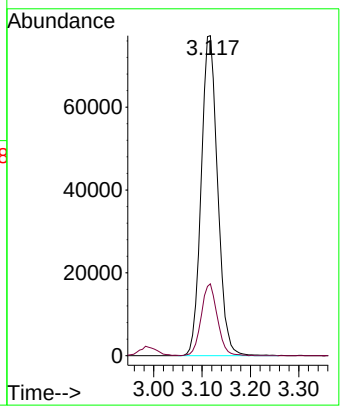


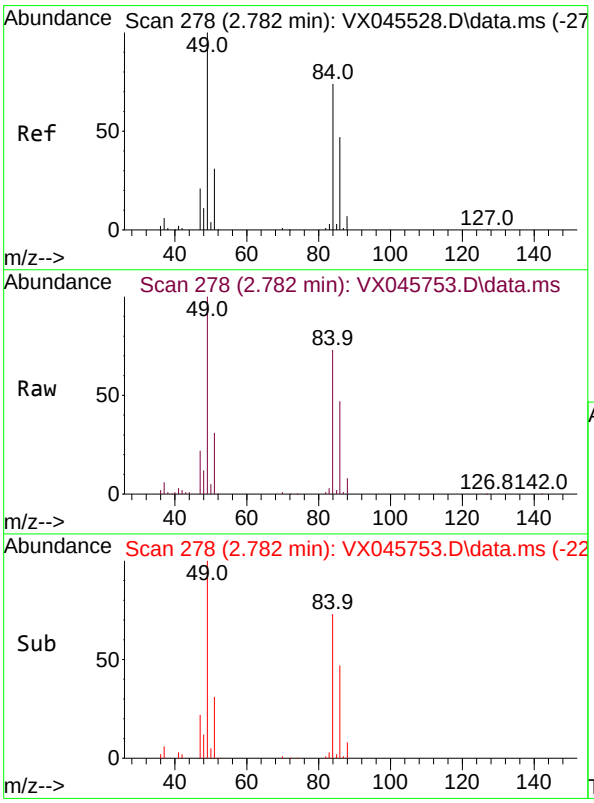
#19
Methyl tert-butyl Ether
Concen: 50.943 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 182289

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.6	26.4

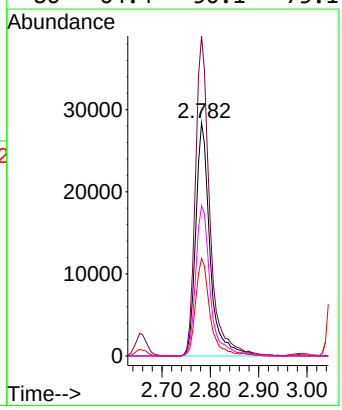


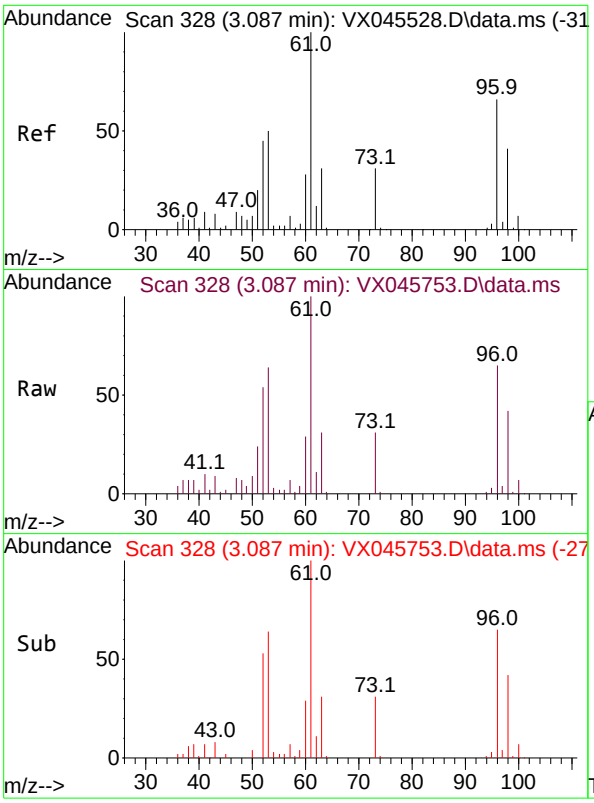


#20
Methylene Chloride
Concen: 48.665 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 84 Resp: 58294

Ion	Ratio	Lower	Upper
84	100		
49	137.1	107.5	161.3
51	41.9	33.0	49.6
86	64.4	50.1	75.1



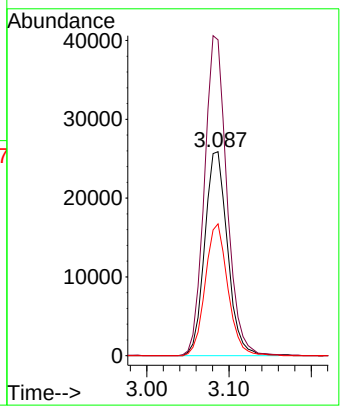


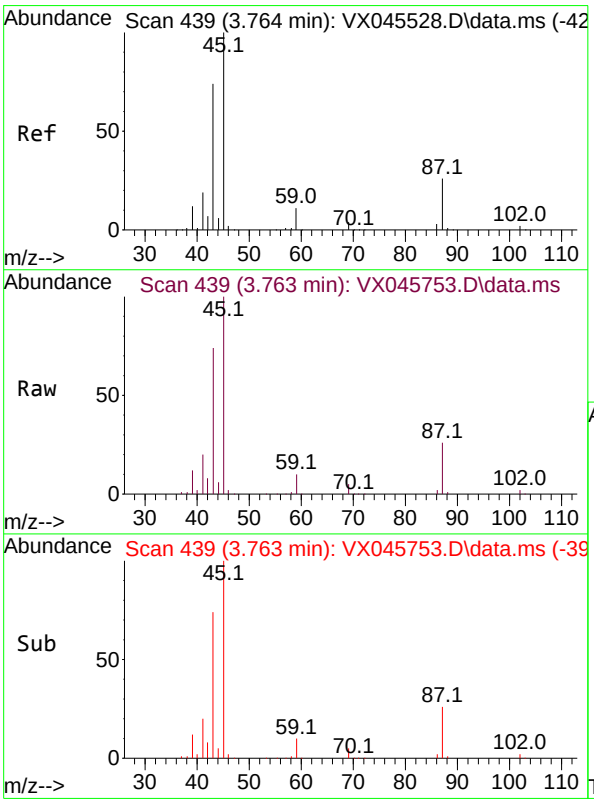
#21
trans-1,2-Dichloroethene
Concen: 47.769 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 49920

Ion	Ratio	Lower	Upper
96	100		
61	154.9	121.0	181.6
98	64.7	49.7	74.5

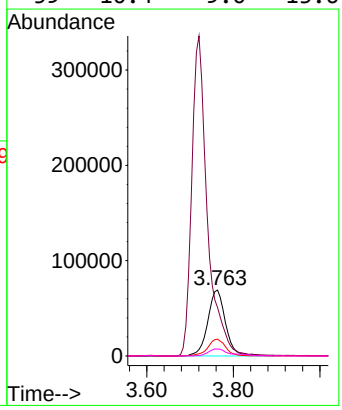


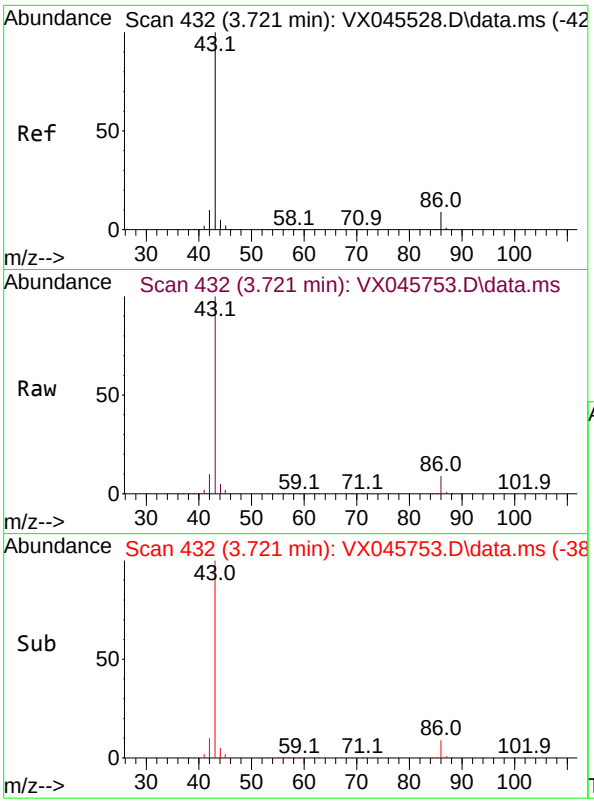


#22
Diisopropyl ether
Concen: 51.529 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 45 Resp: 197003

Ion	Ratio	Lower	Upper
45	100		
43	73.5	59.3	88.9
87	25.5	20.4	30.6
59	10.4	9.0	13.6



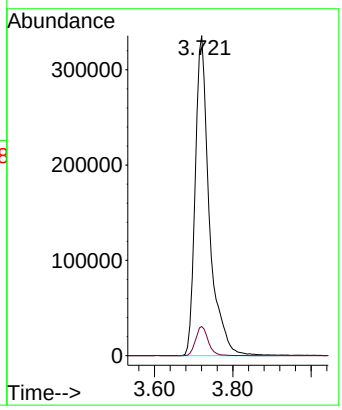


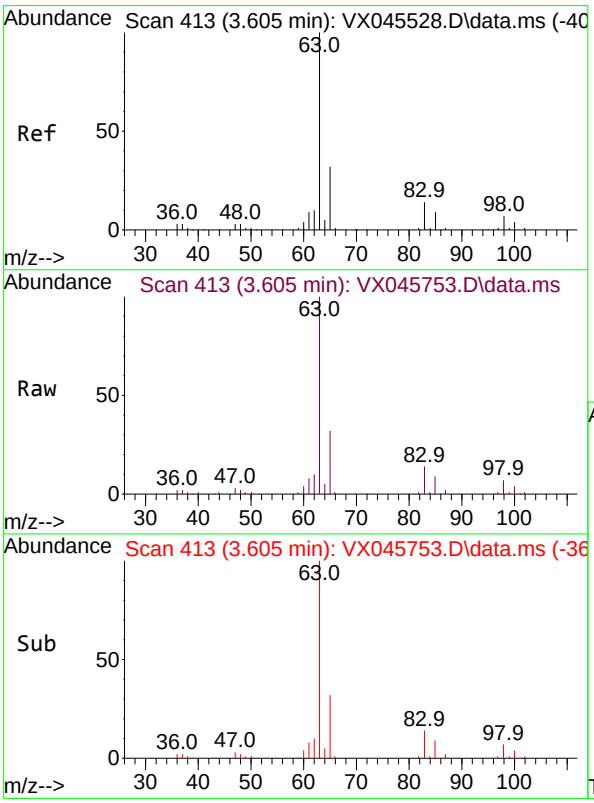
#23
Vinyl Acetate
Concen: 255.514 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 844015

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

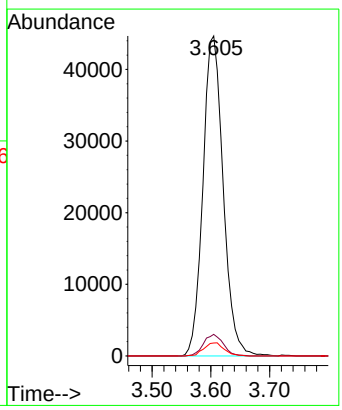


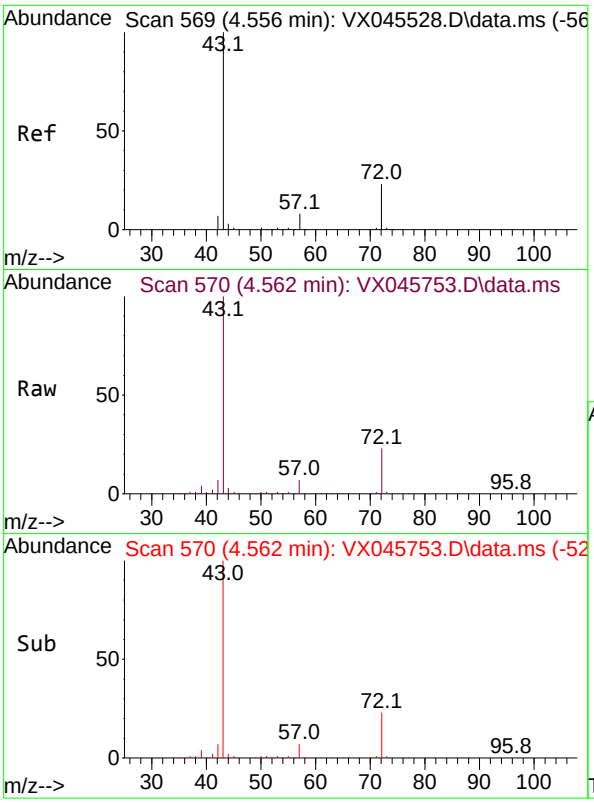


#24
1,1-Dichloroethane
Concen: 49.540 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 63 Resp: 107113

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.0	2.2	6.6



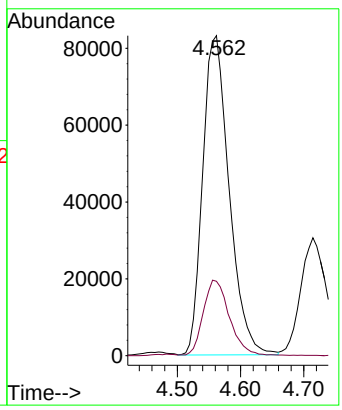


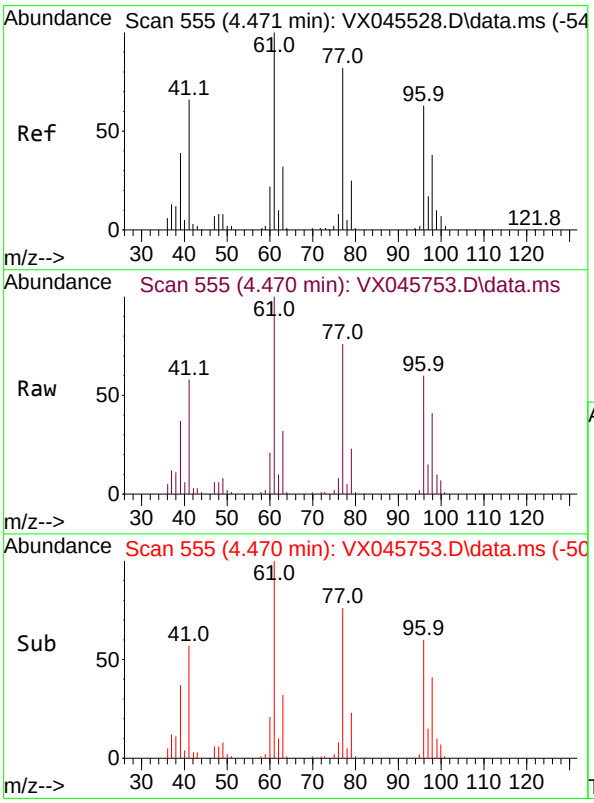
#25
2-Butanone
Concen: 258.535 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 242145

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0

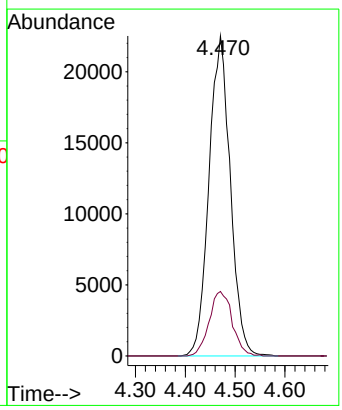


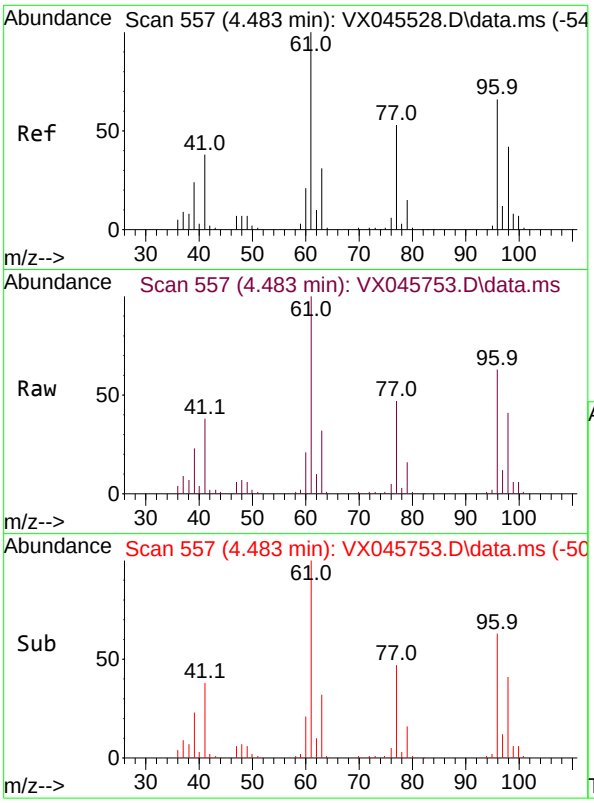


#26
2,2-Dichloropropane
Concen: 47.800 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 77 Resp: 66775

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8



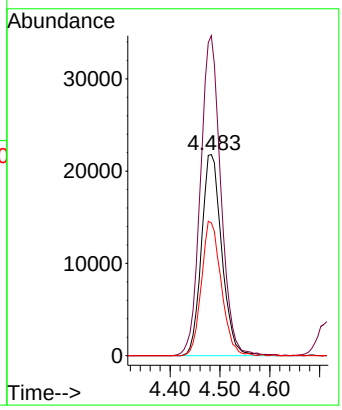


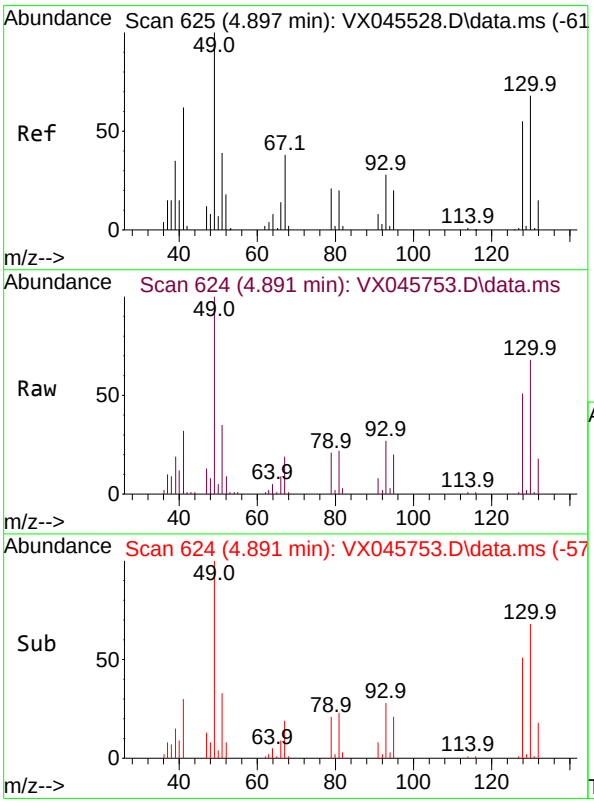
#27
cis-1,2-Dichloroethene
Concen: 48.460 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 61699

Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	313.2
98	65.0	0.0	126.4

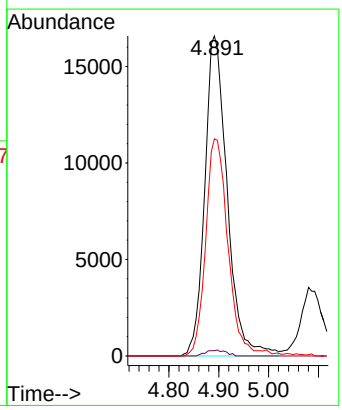


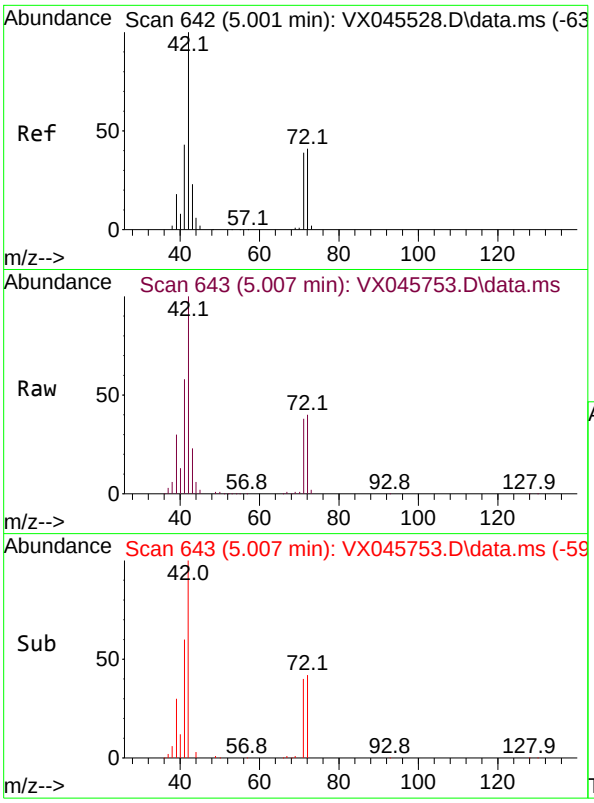


#28
Bromochloromethane
Concen: 49.600 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 49 Resp: 51825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.8	54.6	81.8



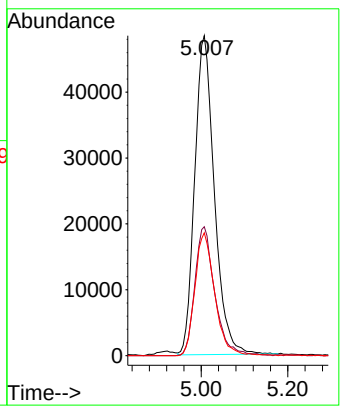


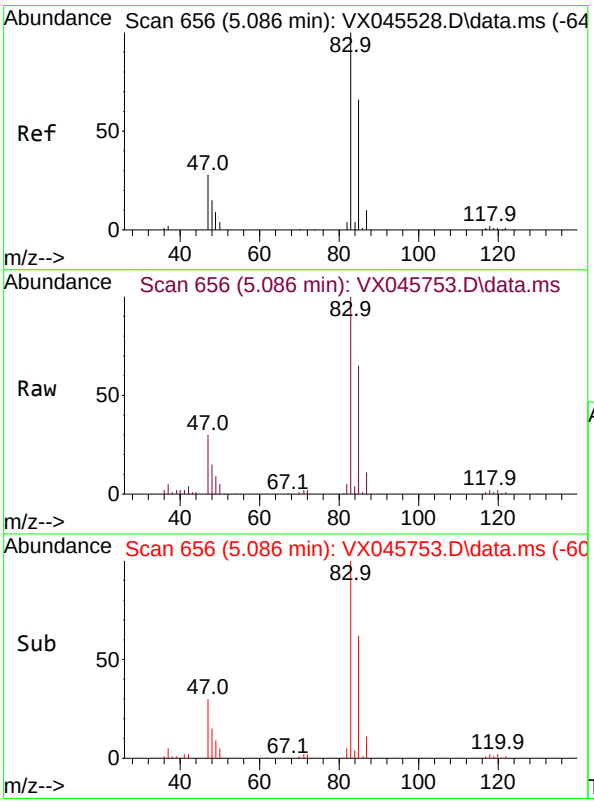
#29
Tetrahydrofuran
Concen: 251.219 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 152548

Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.4	50.0
71	38.5	31.4	47.0

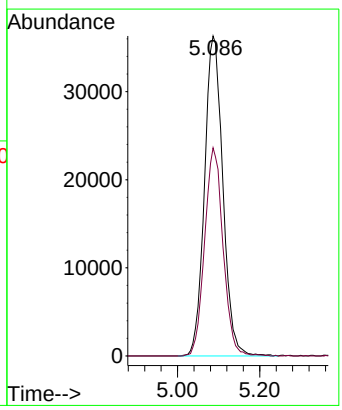


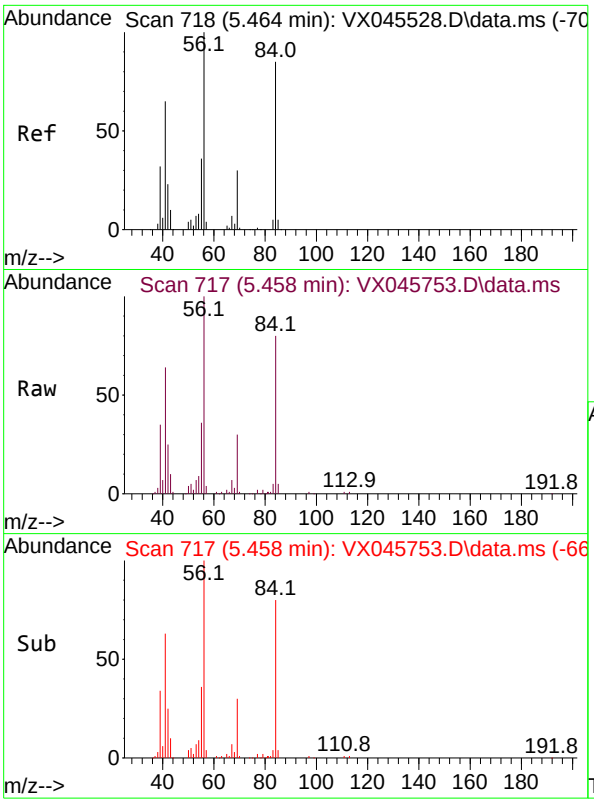


#30
Chloroform
Concen: 50.559 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 83 Resp: 112483

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2



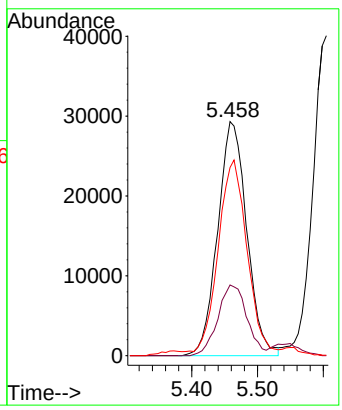


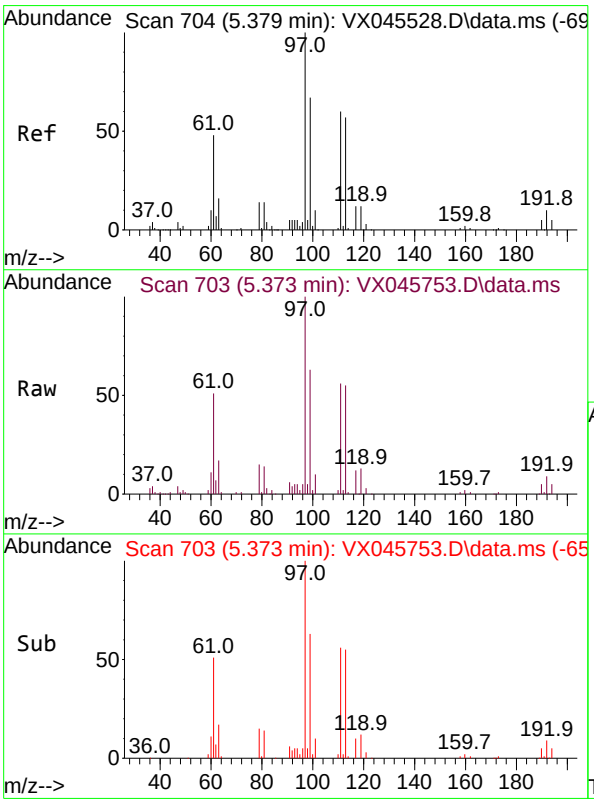
#31
Cyclohexane
Concen: 47.195 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90212

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.6	35.4
84	78.5	67.7	101.5

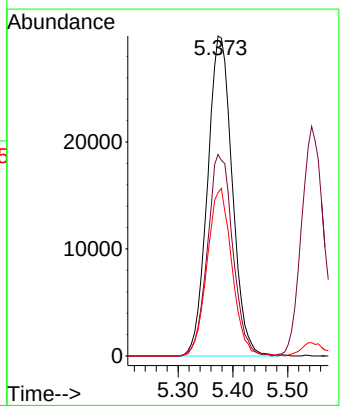


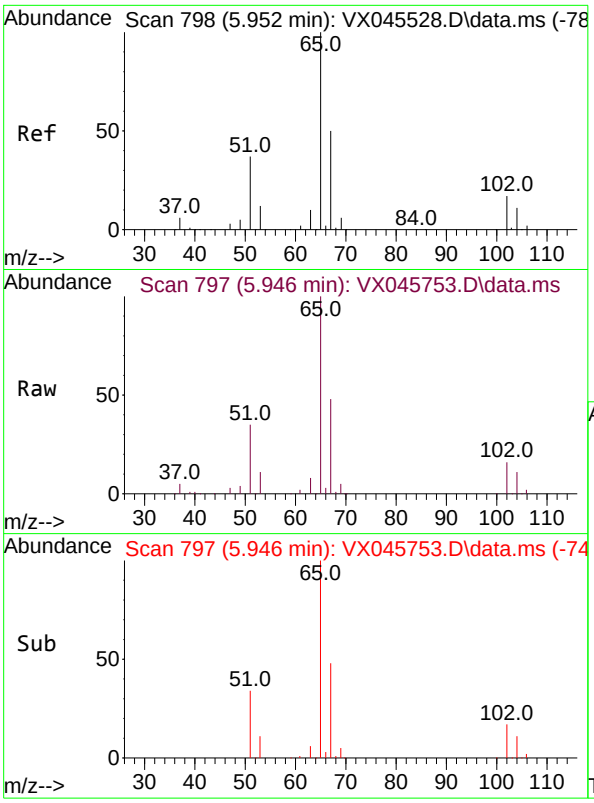


#32
1,1,1-Trichloroethane
Concen: 49.717 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 97 Resp: 93595

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	52.7	41.0	61.4



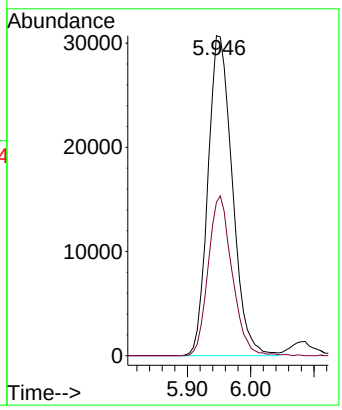


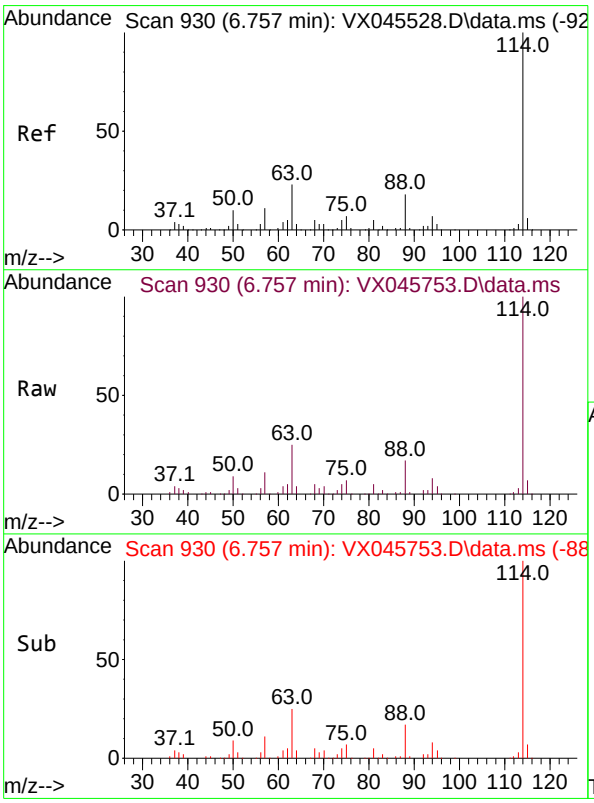
#33
1,2-Dichloroethane-d4
Concen: 52.816 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 82299

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	99.0

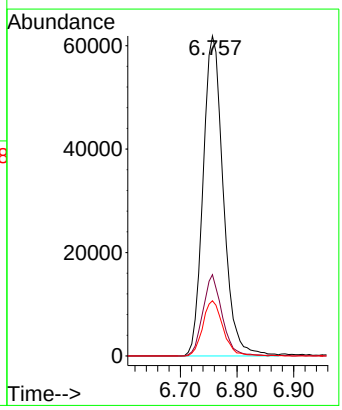


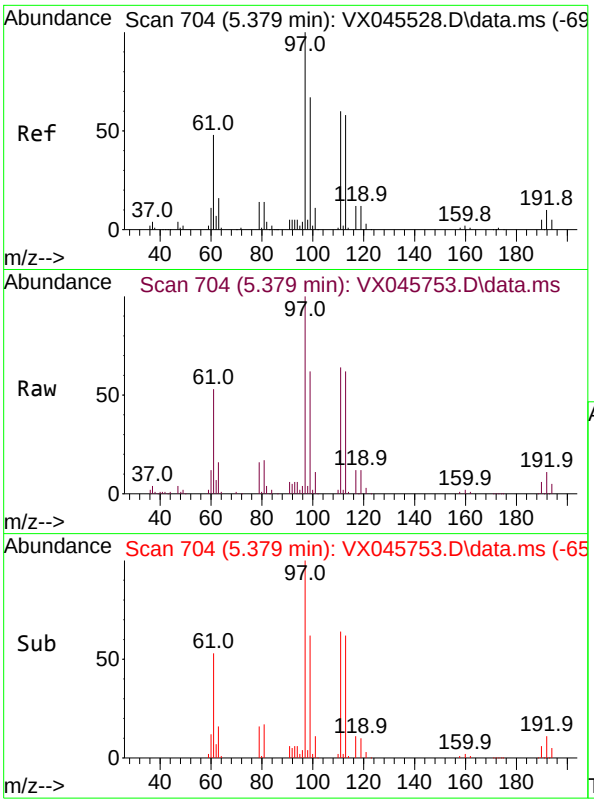


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:114 Resp: 153186

Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	46.8
88	17.3	0.0	35.4



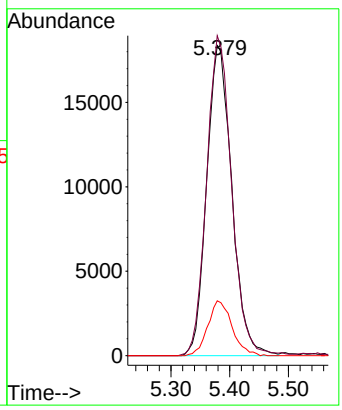


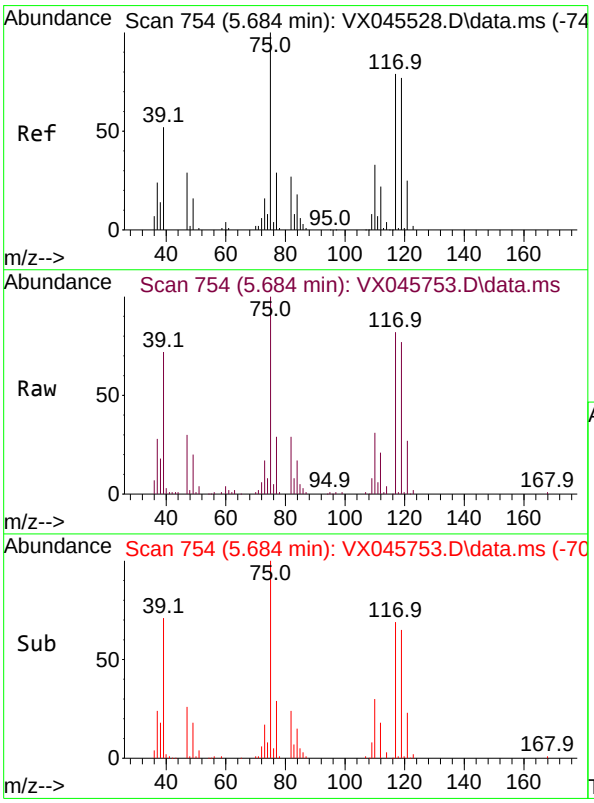
#35
Dibromofluoromethane
Concen: 50.205 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 54566

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.1	13.8	20.6

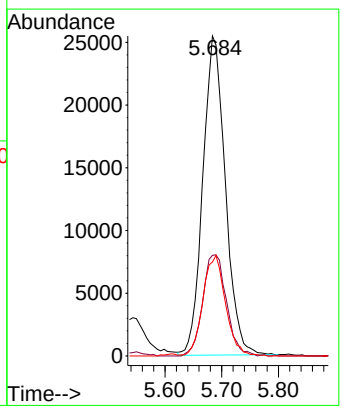


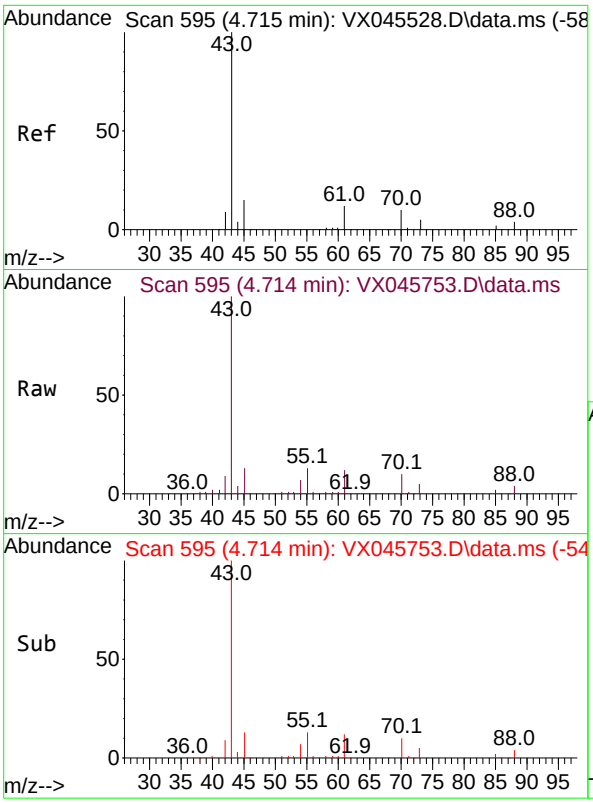


#36
1,1-Dichloropropene
Concen: 47.875 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 70256

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	31.6	25.0	37.4



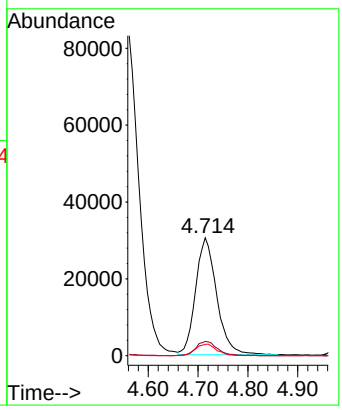


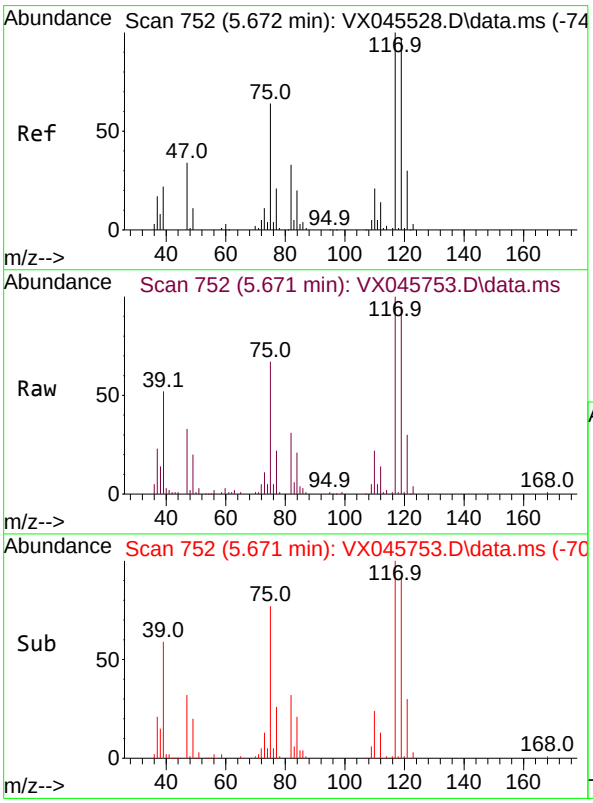
#37
Ethyl Acetate
Concen: 48.411 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 89527

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.8	7.5	11.3

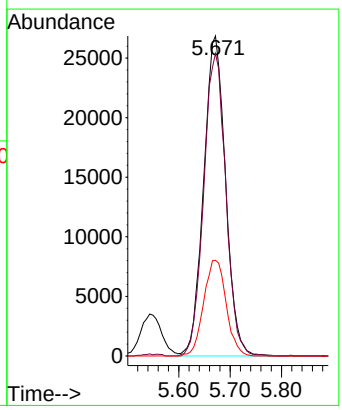


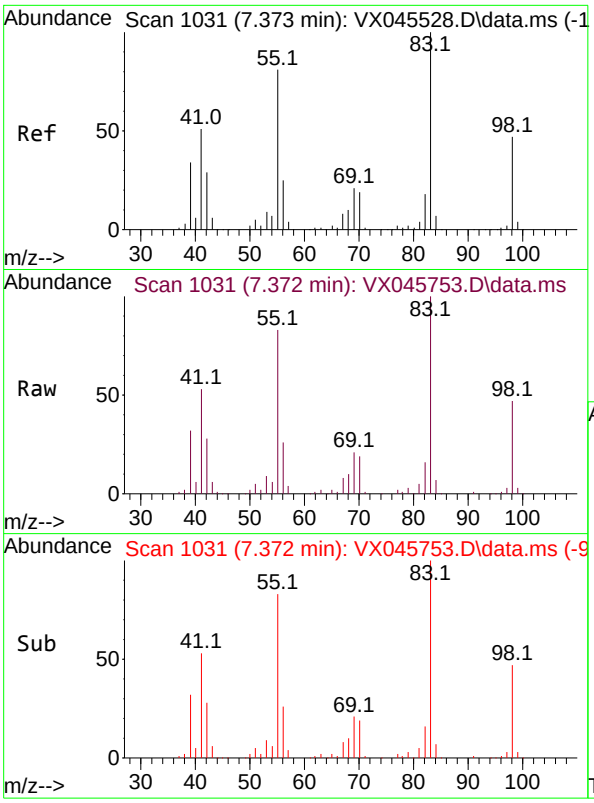


#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:117 Resp: 79481

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	29.9	24.2	36.2



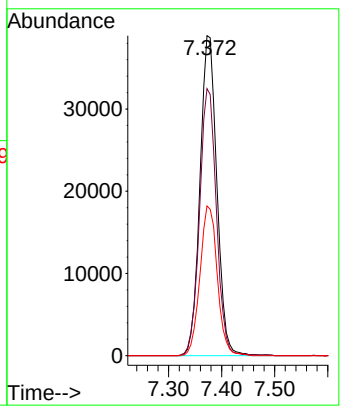


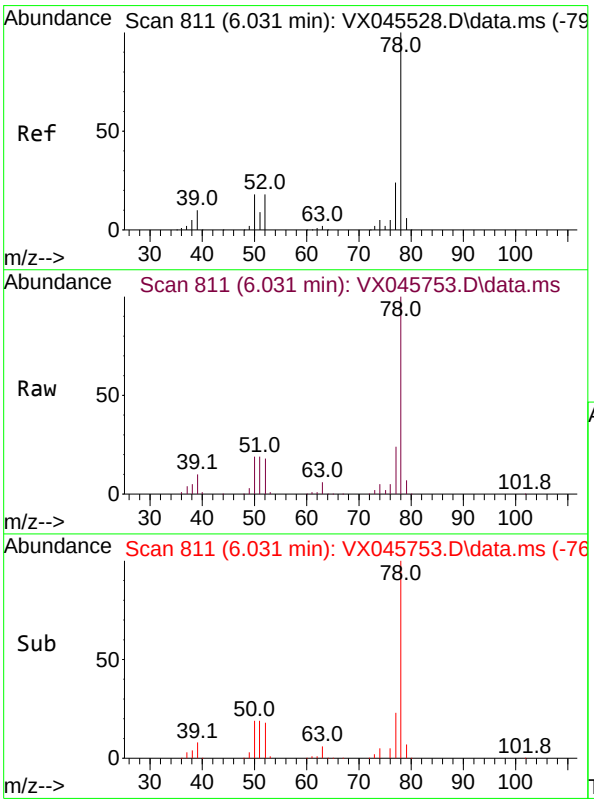
#39
Methylcyclohexane
Concen: 47.841 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 86058

Ion	Ratio	Lower	Upper
83	100		
55	83.4	64.9	97.3
98	46.8	37.4	56.0

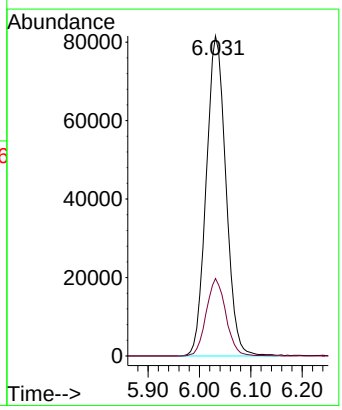


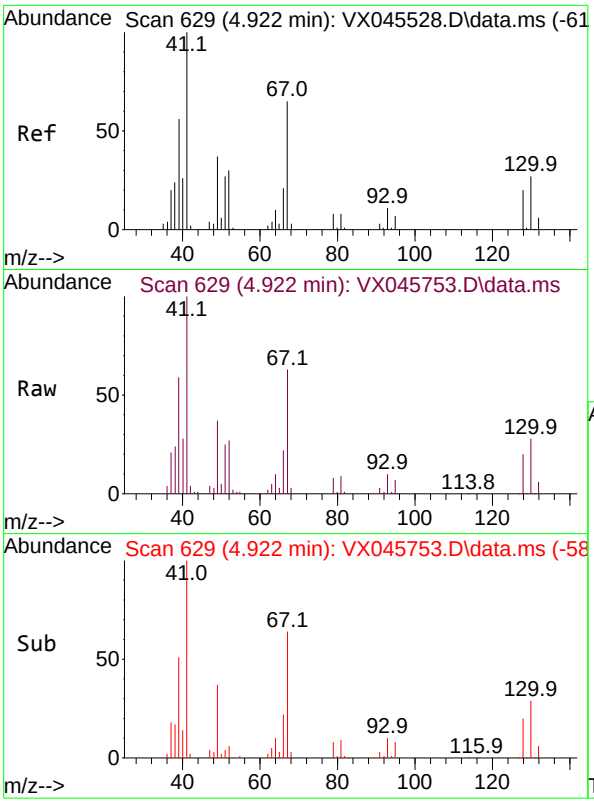


#40
Benzene
Concen: 48.421 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 78 Resp: 217012

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6



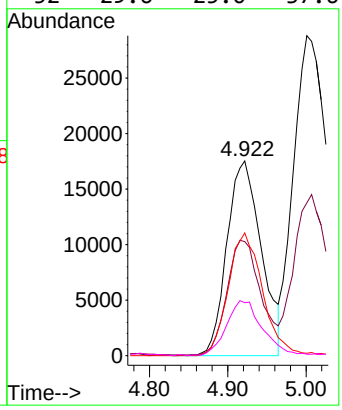


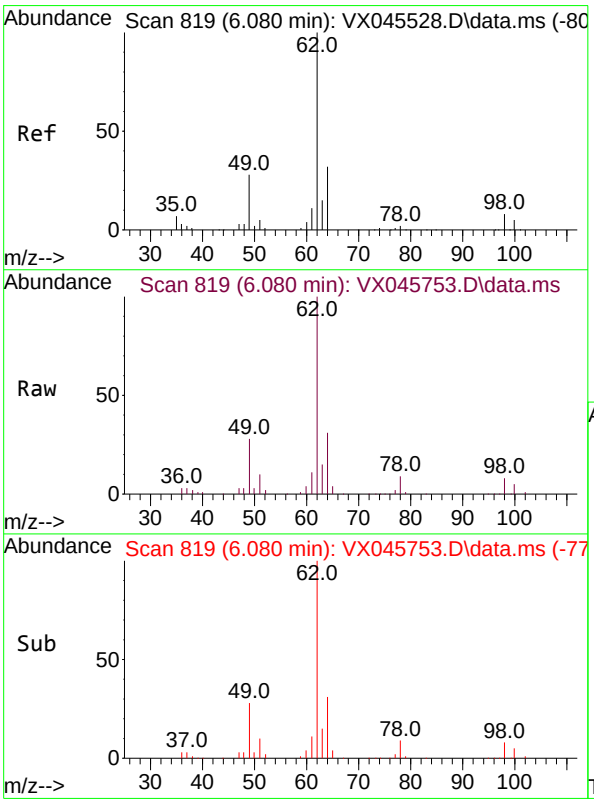
#41
Methacrylonitrile
Concen: 54.955 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 53623

Ion	Ratio	Lower	Upper
41	100		
39	58.4	47.0	70.6
67	63.4	53.2	79.8
52	29.6	25.0	37.6

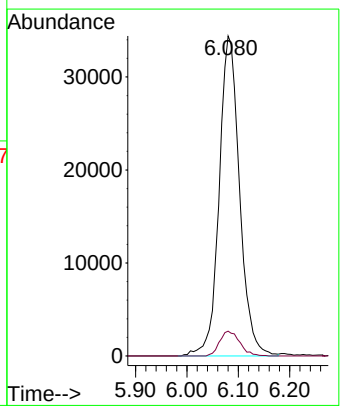


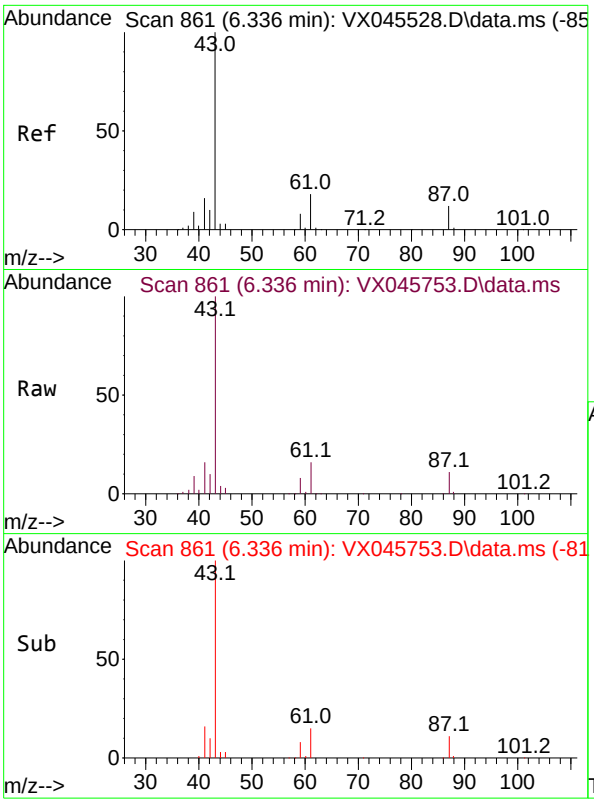


#42
1,2-Dichloroethane
Concen: 51.365 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 62 Resp: 95082

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



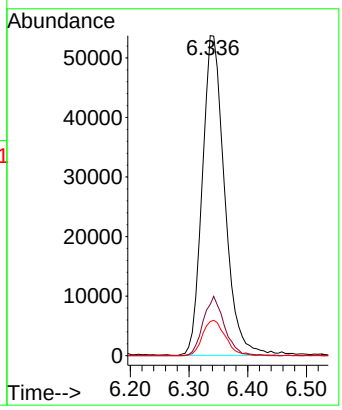


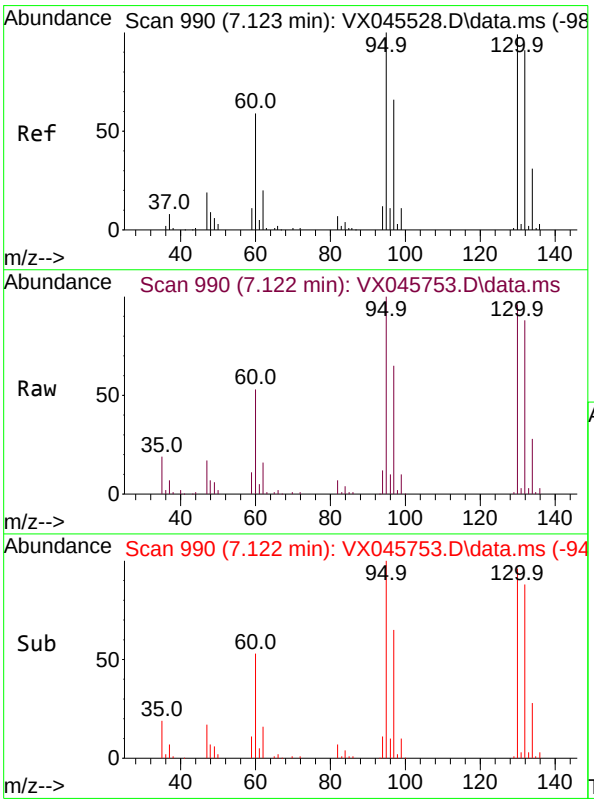
#43
Isopropyl Acetate
Concen: 50.660 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 141995

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.2	9.2	13.8

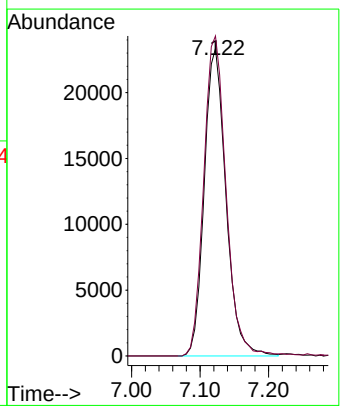


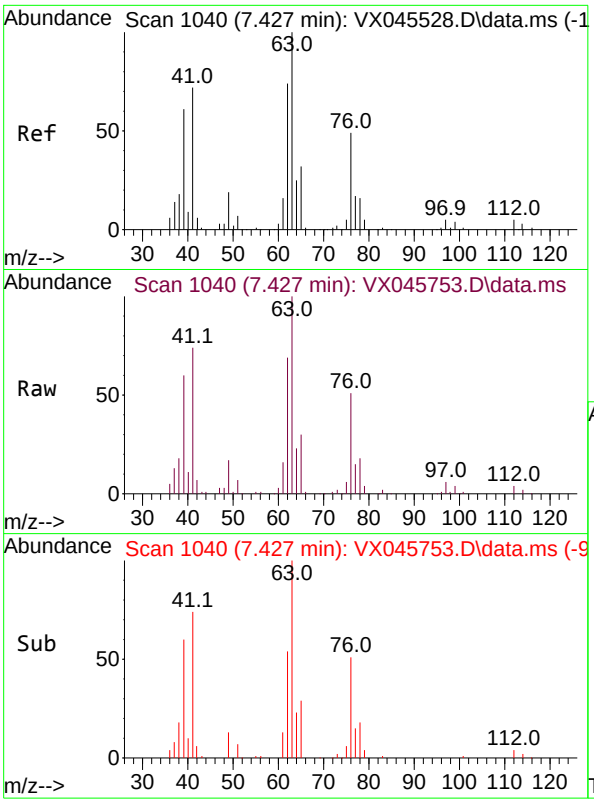


#44
Trichloroethene
Concen: 48.452 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:130 Resp: 51614

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	202.0



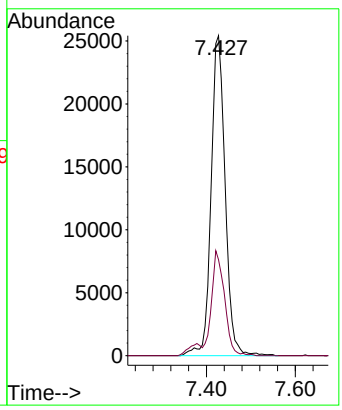


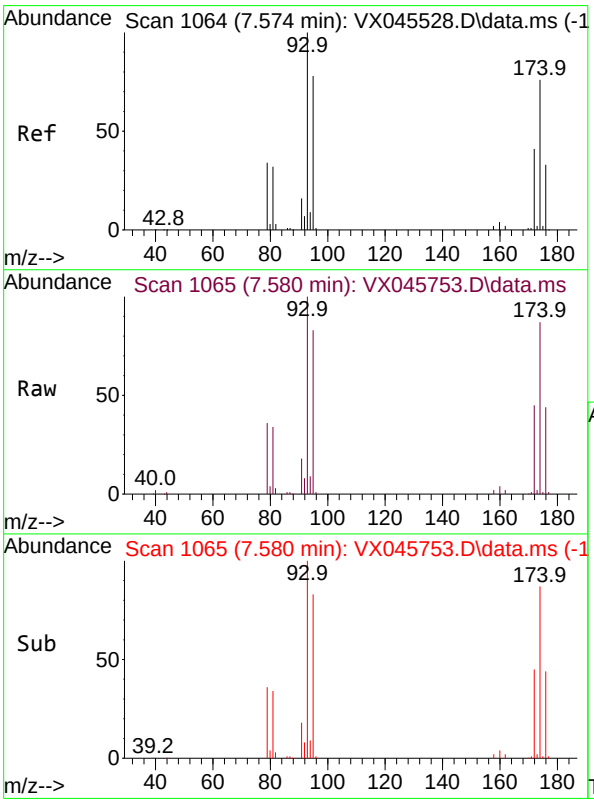
#45
1,2-Dichloropropane
Concen: 49.984 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55895

Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.8	38.6

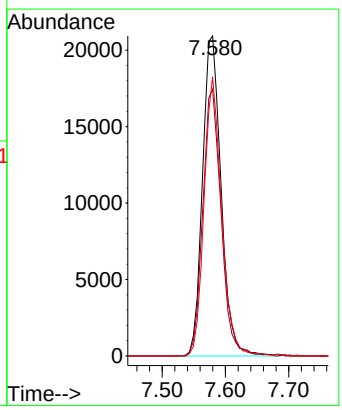


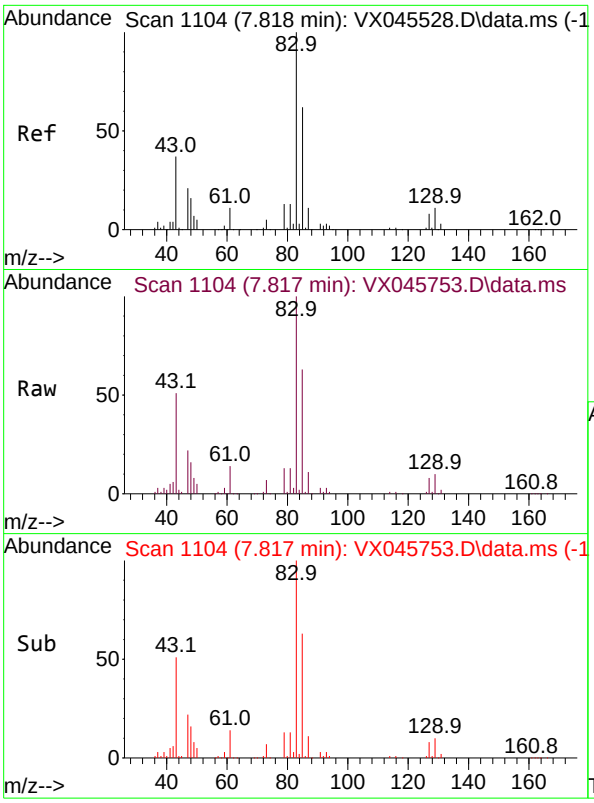


#46
Dibromomethane
Concen: 49.878 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 93 Resp: 42816

Ion	Ratio	Lower	Upper
93	100		
95	82.3	64.8	97.2
174	82.6	65.4	98.0



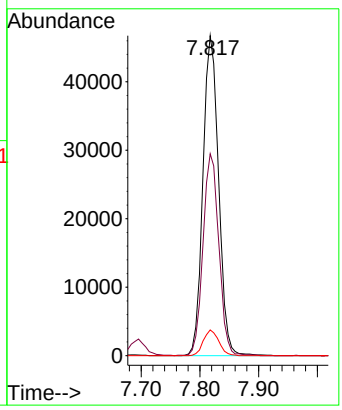


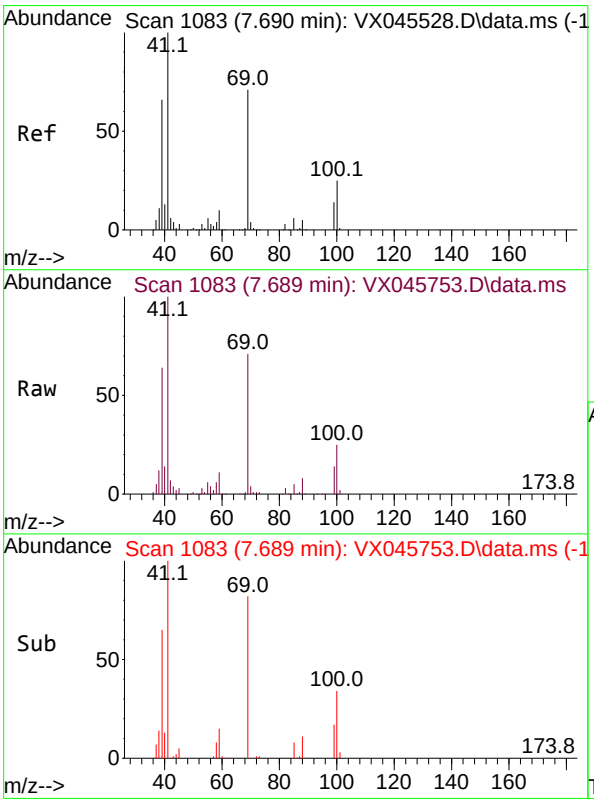
#47
Bromodichloromethane
Concen: 50.556 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 86669

Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.7	74.5
127	8.1	6.1	9.1

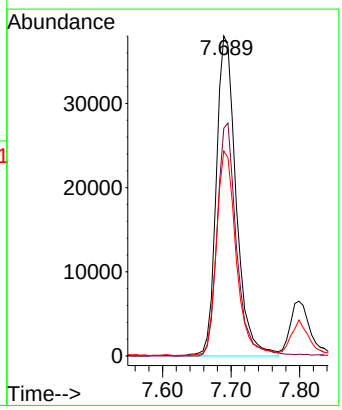


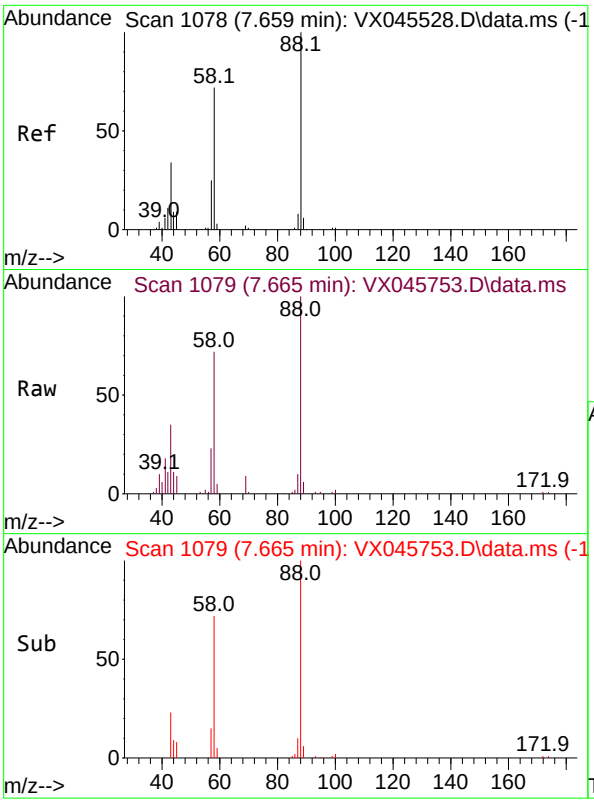


#48
Methyl methacrylate
Concen: 52.724 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 41 Resp: 76302

Ion	Ratio	Lower	Upper
41	100		
69	70.7	58.2	87.2
39	63.9	53.6	80.4



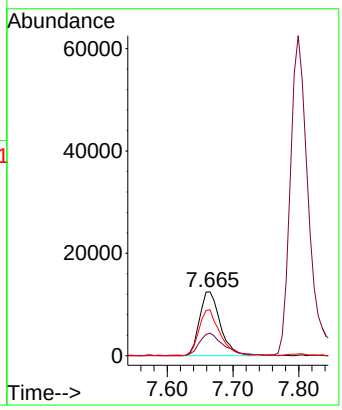


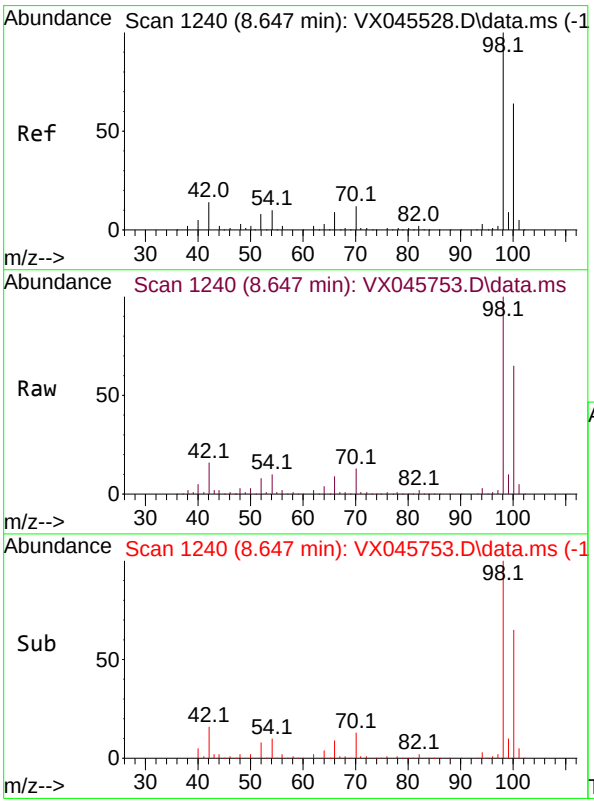
#49
1,4-Dioxane
Concen: 1045.779 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 27382

Ion	Ratio	Lower	Upper
88	100		
43	40.0	32.2	48.4
58	71.4	58.6	88.0

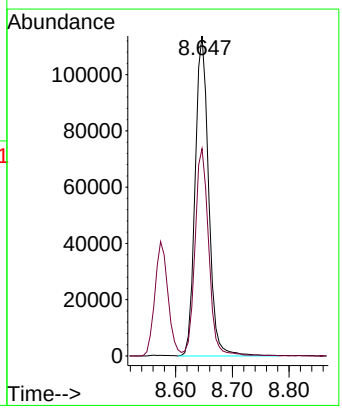


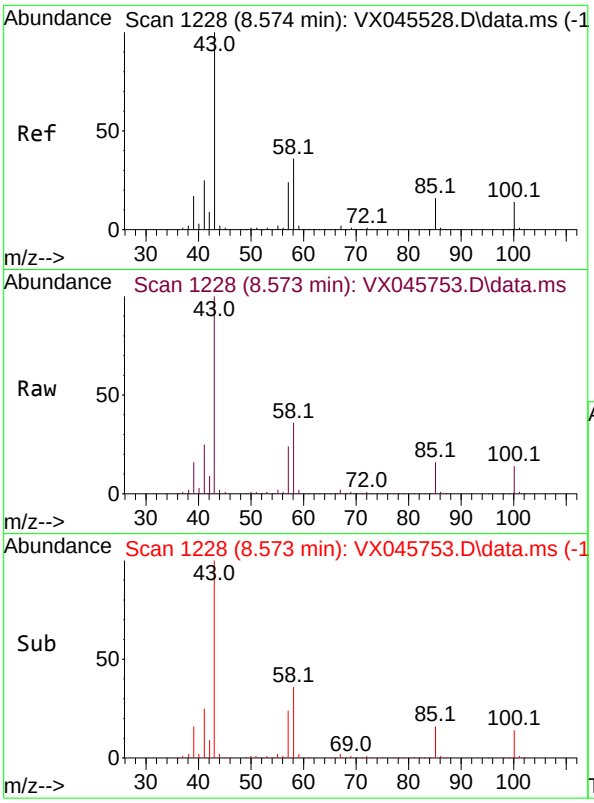


#50
Toluene-d8
Concen: 49.606 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 98 Resp: 188183

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4



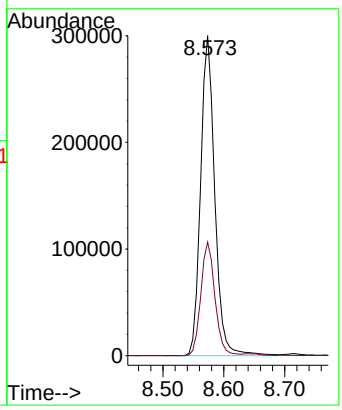


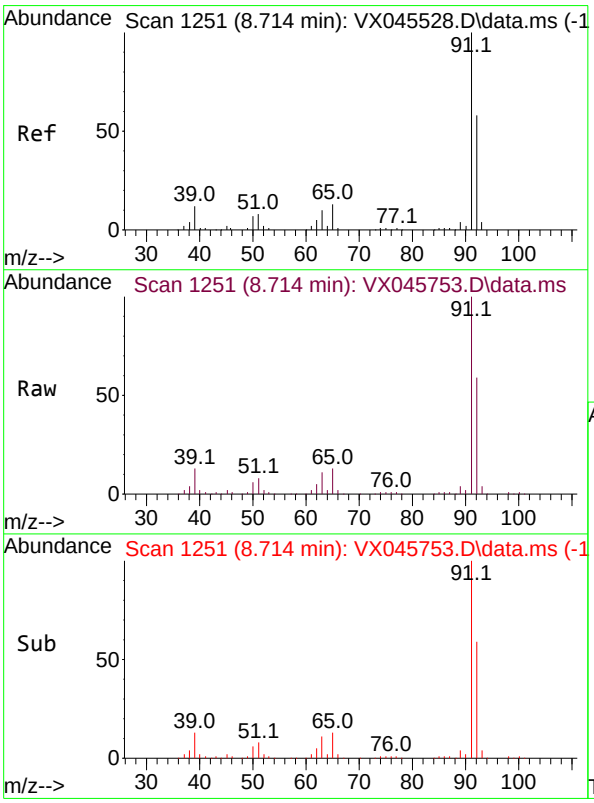
#51
4-Methyl-2-Pentanone
Concen: 261.644 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 486157

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.5	42.7

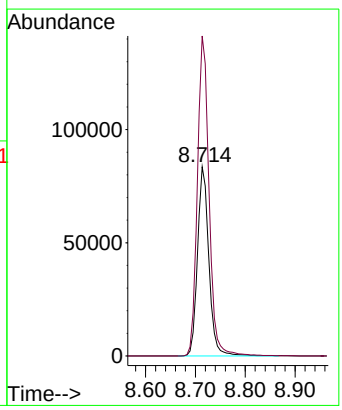


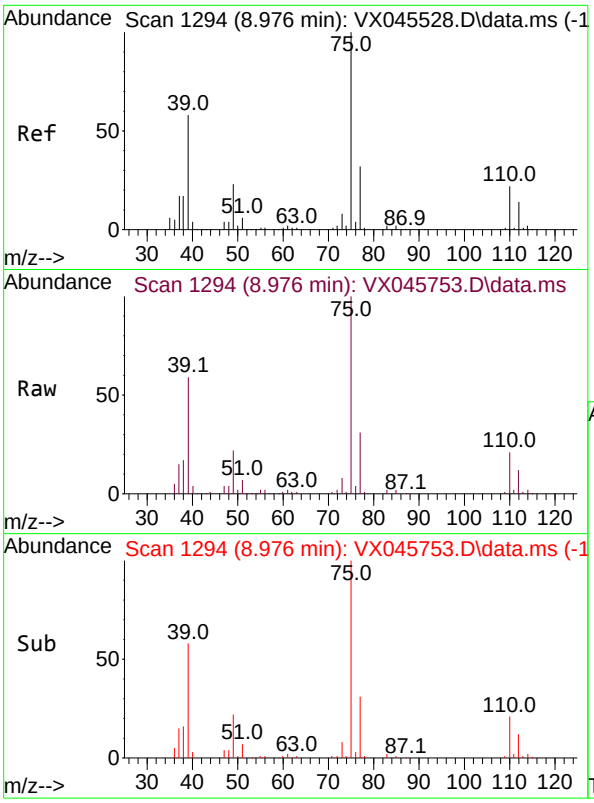


#52
Toluene
Concen: 48.785 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 92 Resp: 132303

Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.7	208.1



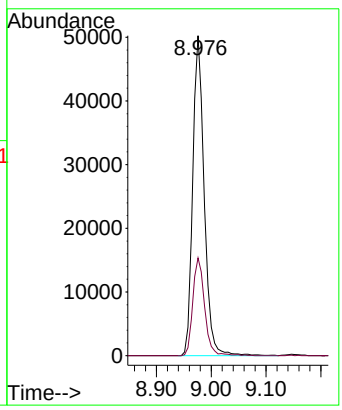


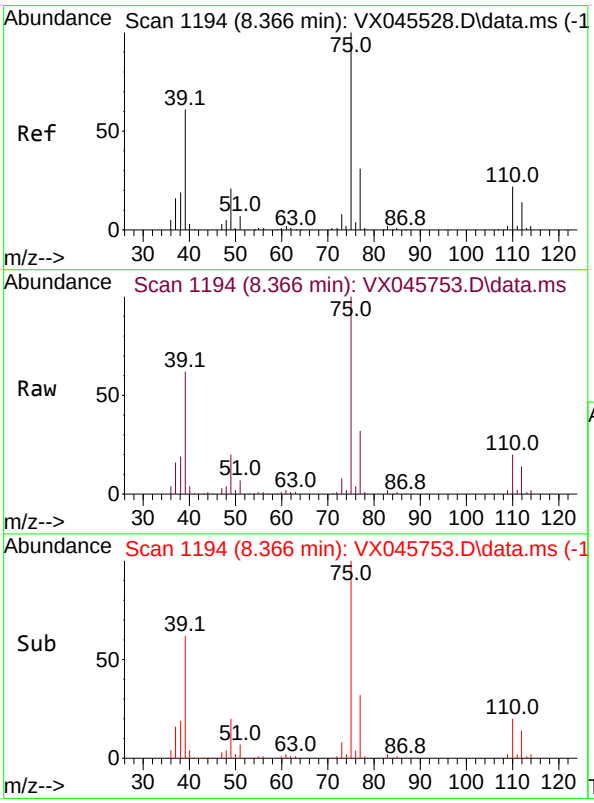
#53
t-1,3-Dichloropropene
Concen: 44.751 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 73359

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0

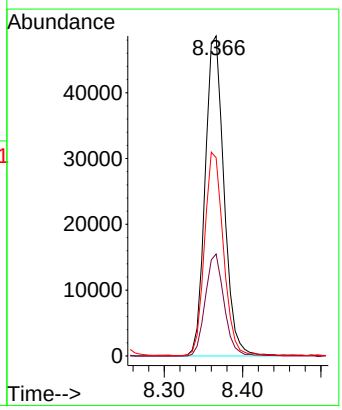


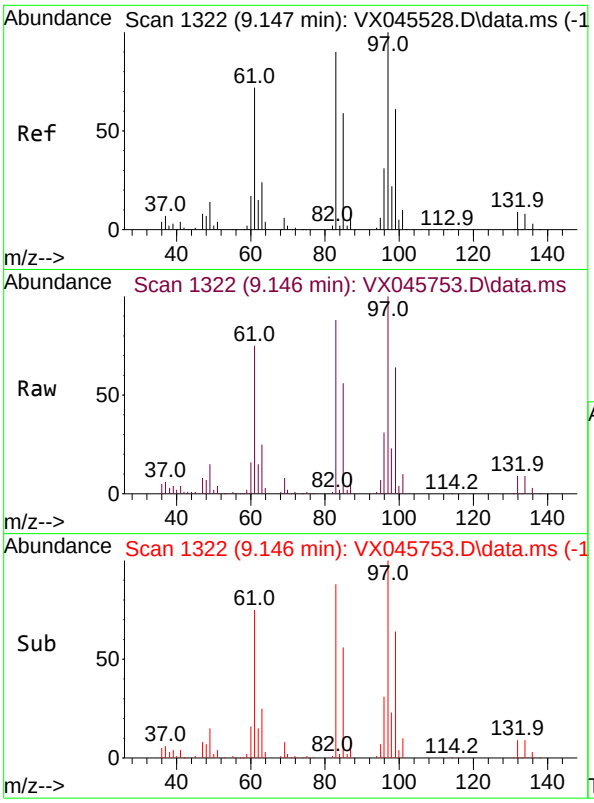


#54
cis-1,3-Dichloropropene
Concen: 50.435 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 81250

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	61.8	48.4	72.6



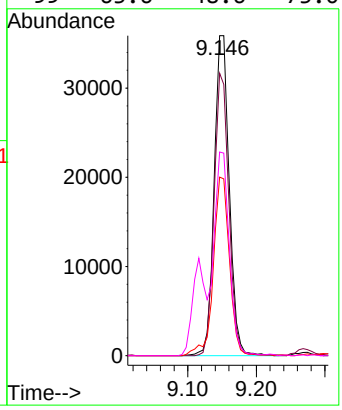


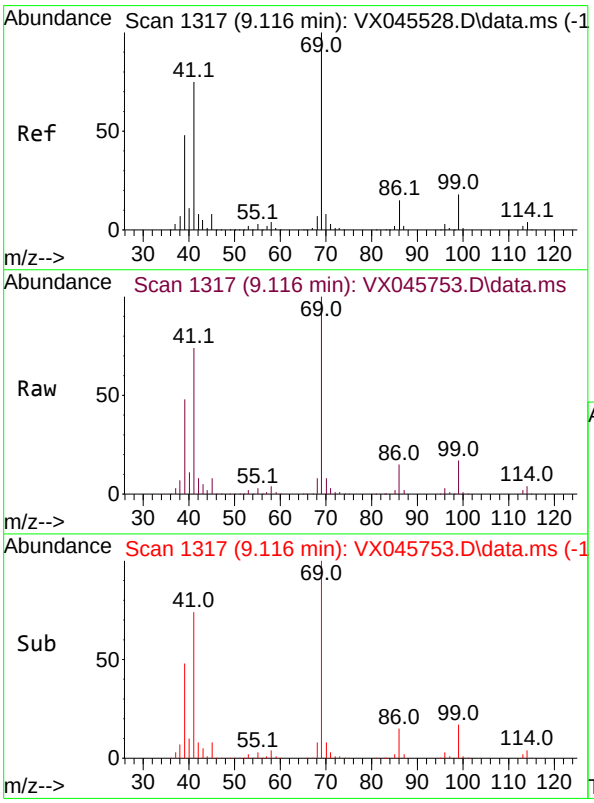
#55
1,1,2-Trichloroethane
Concen: 50.713 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 54804

Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.8	47.0	70.6
99	63.6	48.6	73.0

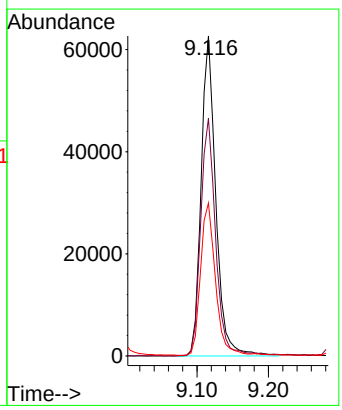


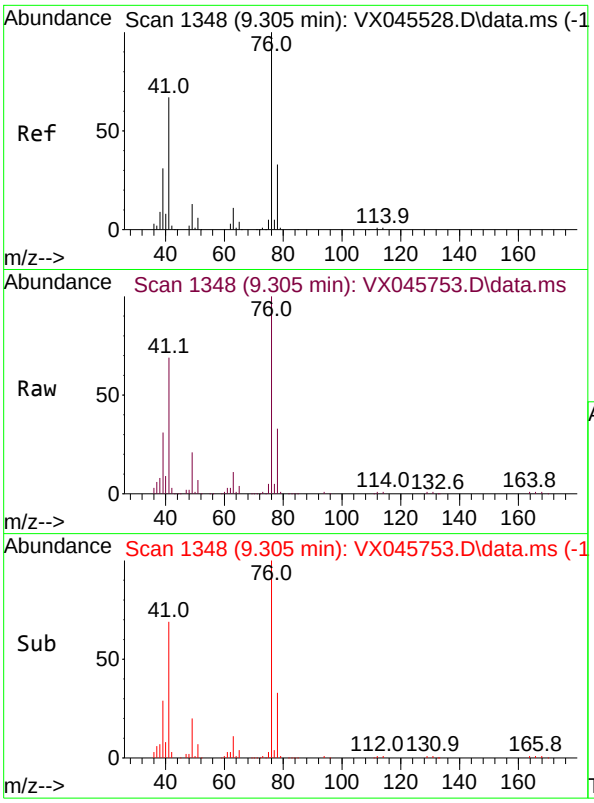


#56
Ethyl methacrylate
Concen: 53.387 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 69 Resp: 89288

Ion	Ratio	Lower	Upper
69	100		
41	76.8	61.3	91.9
39	48.6	40.2	60.2



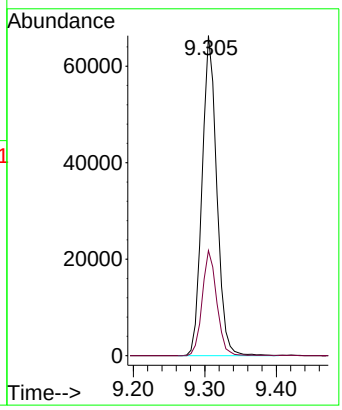


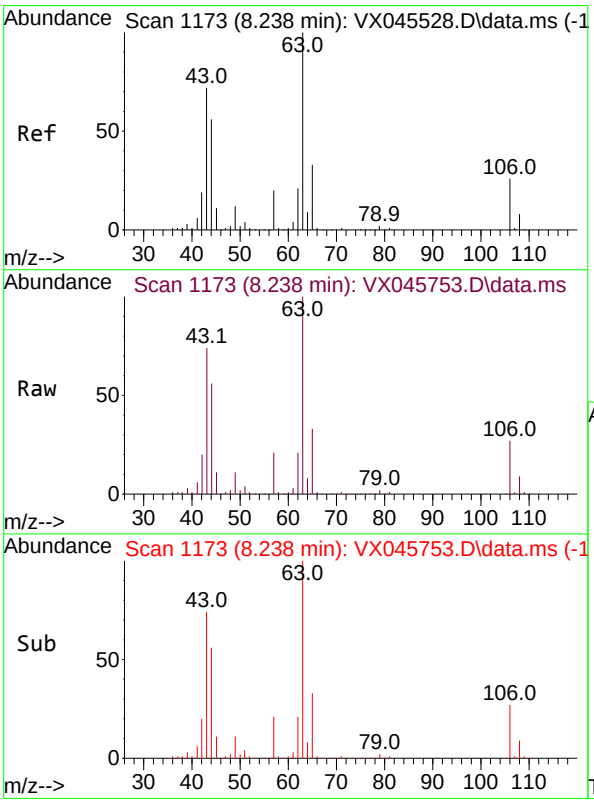
#57
1,3-Dichloropropane
Concen: 50.395 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 94836

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

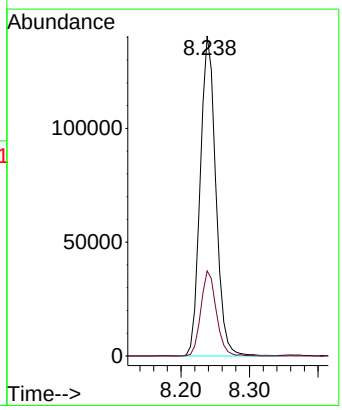


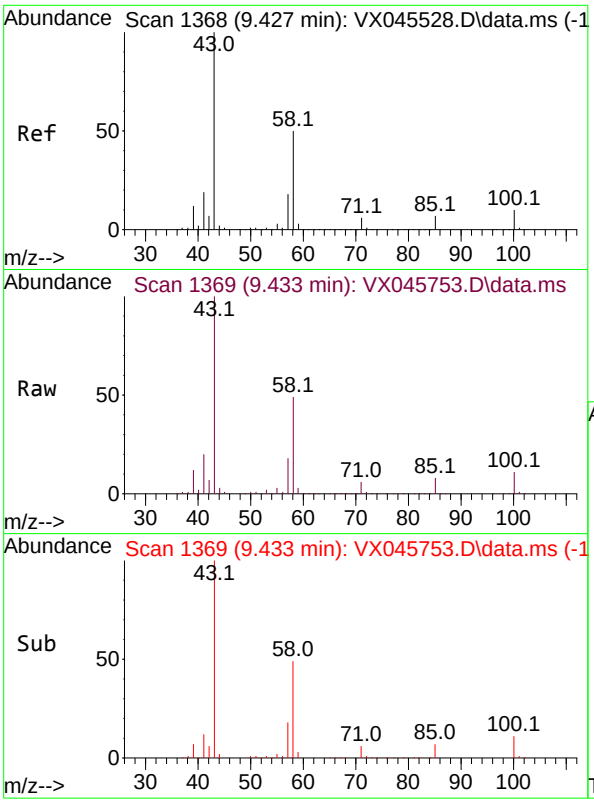


#58
2-Chloroethyl Vinyl ether
Concen: 263.298 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 63 Resp: 222765

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6



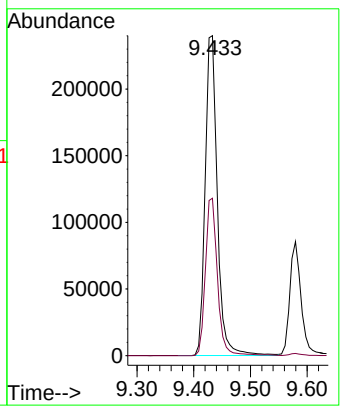


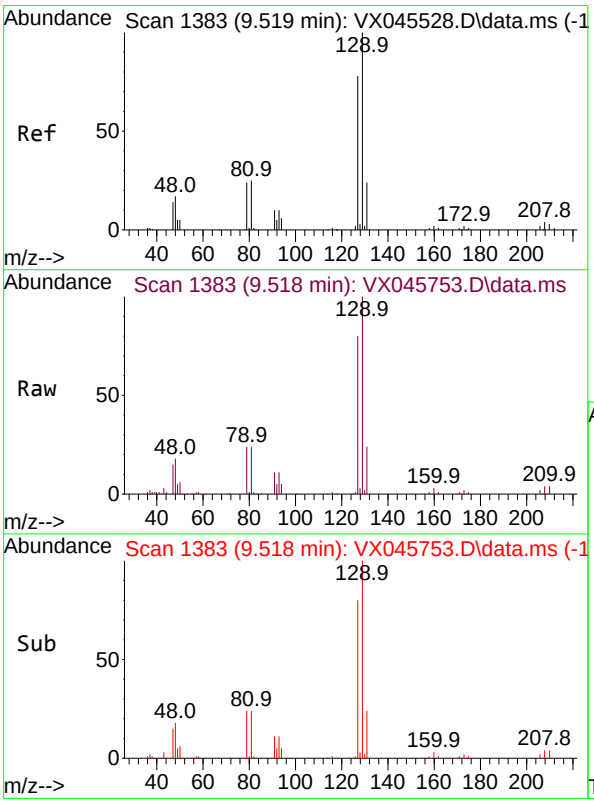
#59
2-Hexanone
Concen: 259.467 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 357016

Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6

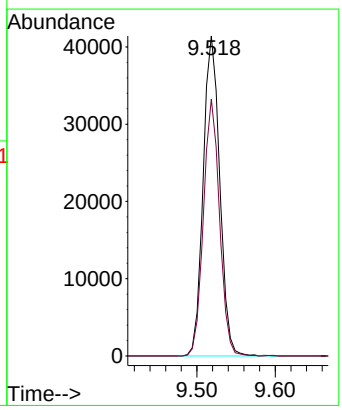


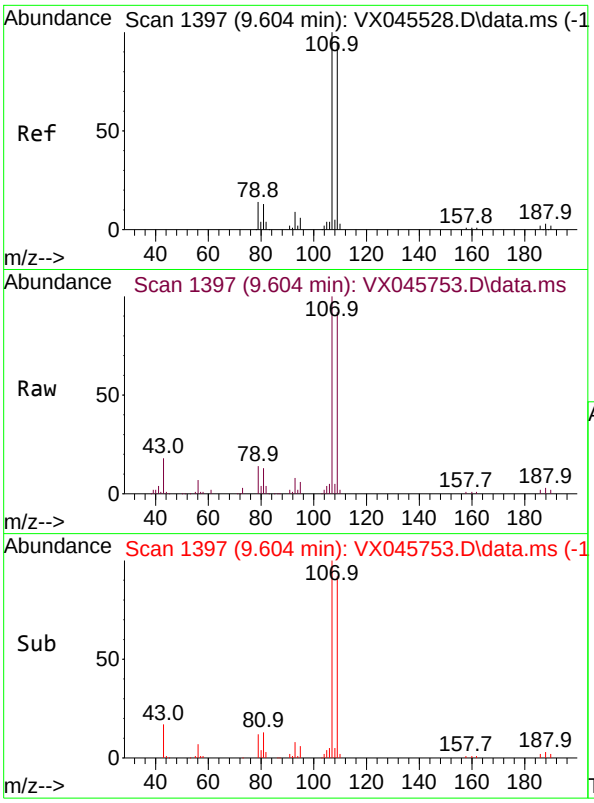


#60
Dibromochloromethane
Concen: 51.502 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:129 Resp: 60677

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.4	118.2



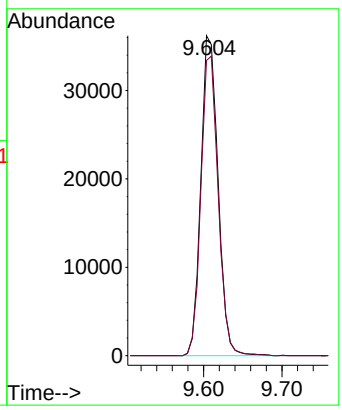


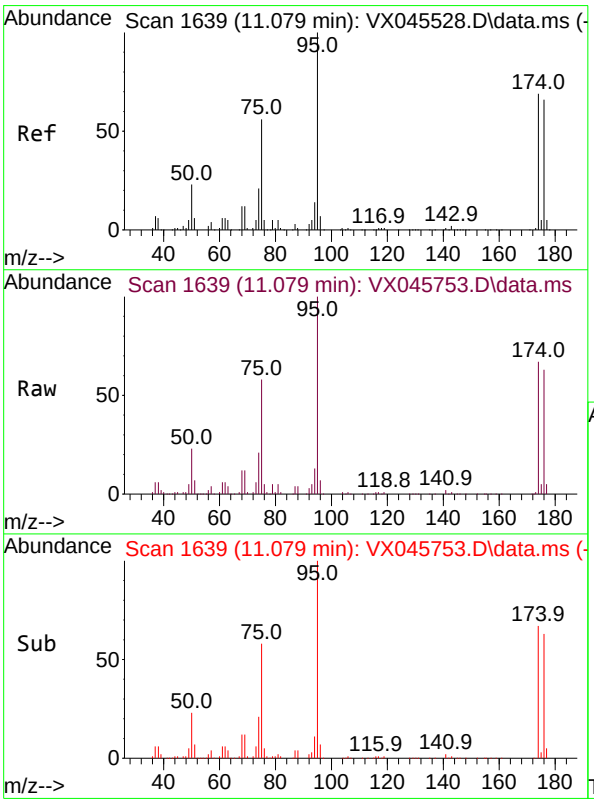
#61
1,2-Dibromoethane
Concen: 50.426 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 55165

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.7	113.5

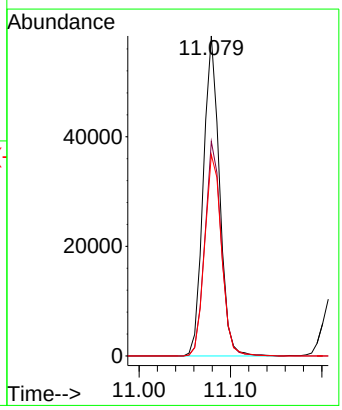


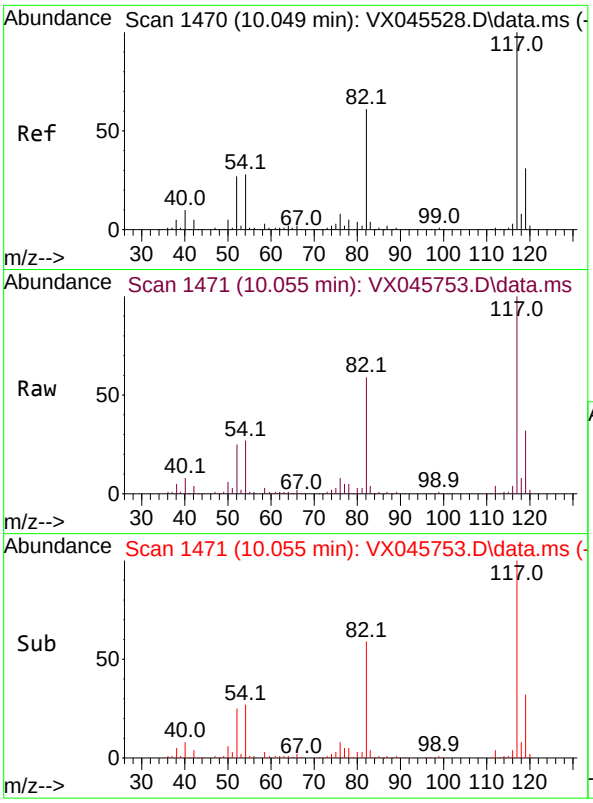


#62
4-Bromofluorobenzene
Concen: 51.728 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 95 Resp: 71478

Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	135.8
176	65.8	0.0	131.4



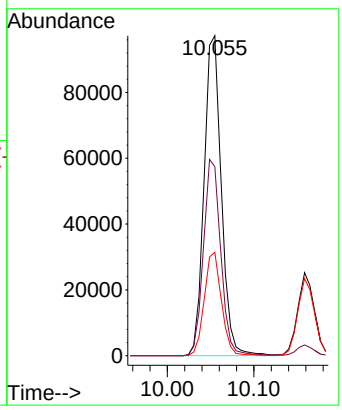


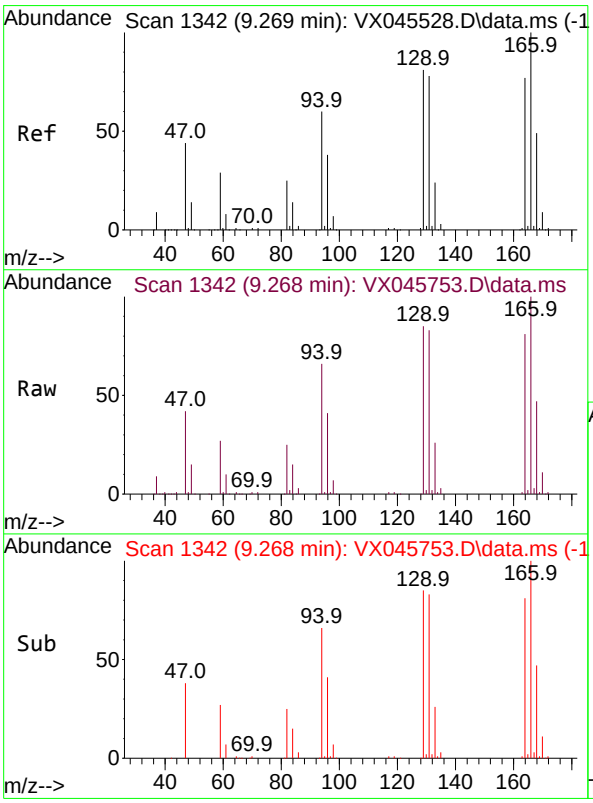
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 134799

Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.2	73.8
119	32.3	25.1	37.7

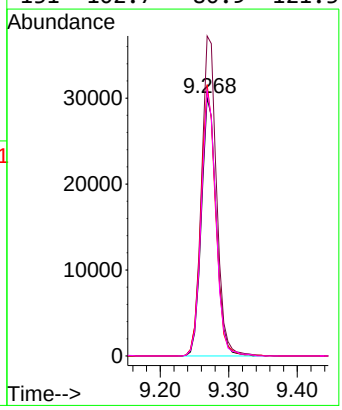


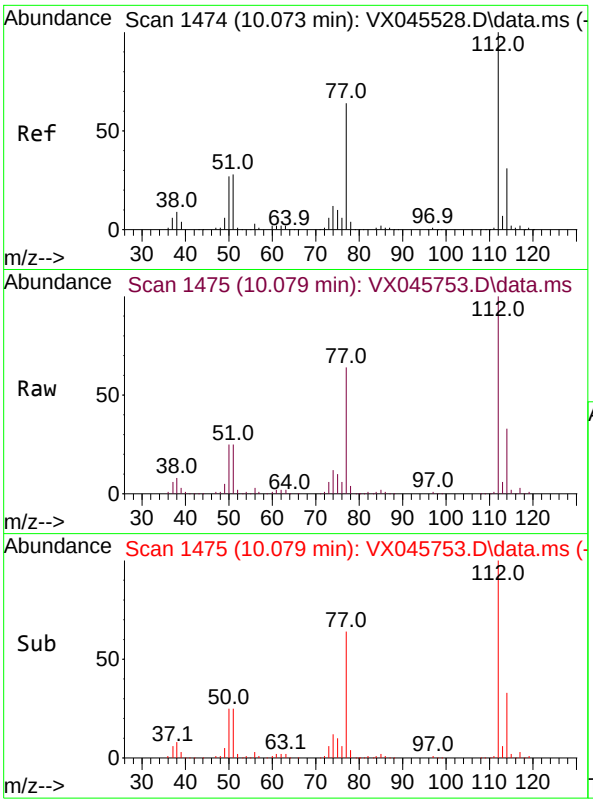


#64
Tetrachloroethene
Concen: 47.399 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.001 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:164 Resp: 45111

Ion	Ratio	Lower	Upper
164	100		
166	123.9	103.8	155.8
129	105.1	84.3	126.5
131	102.7	80.9	121.3



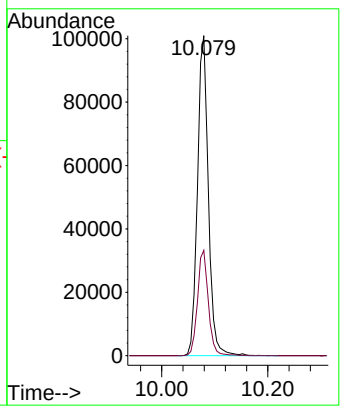


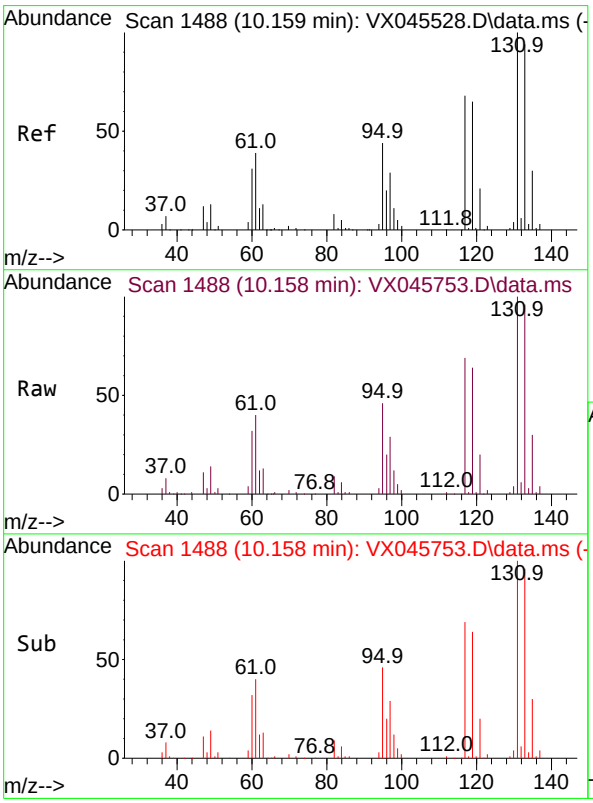
#65
Chlorobenzene
Concen: 49.983 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 143974

Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1

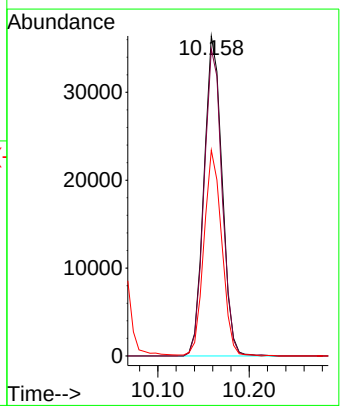


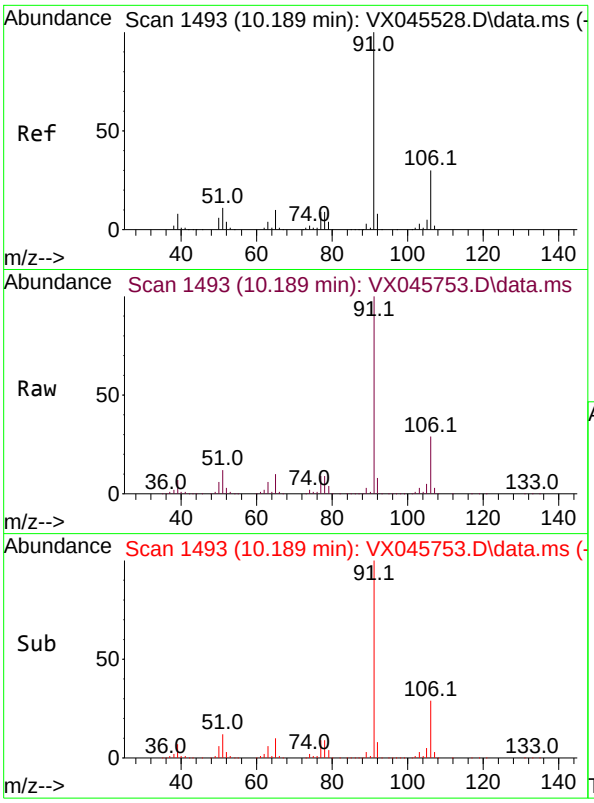


#66
1,1,1,2-Tetrachloroethane
Concen: 49.902 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:131 Resp: 49904

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.5
119	63.6	32.9	98.6



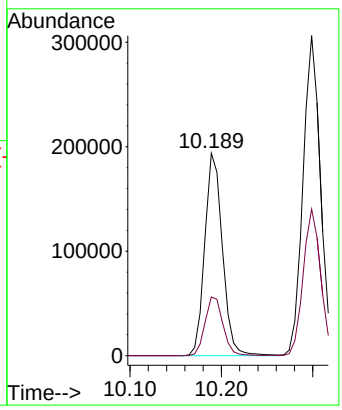


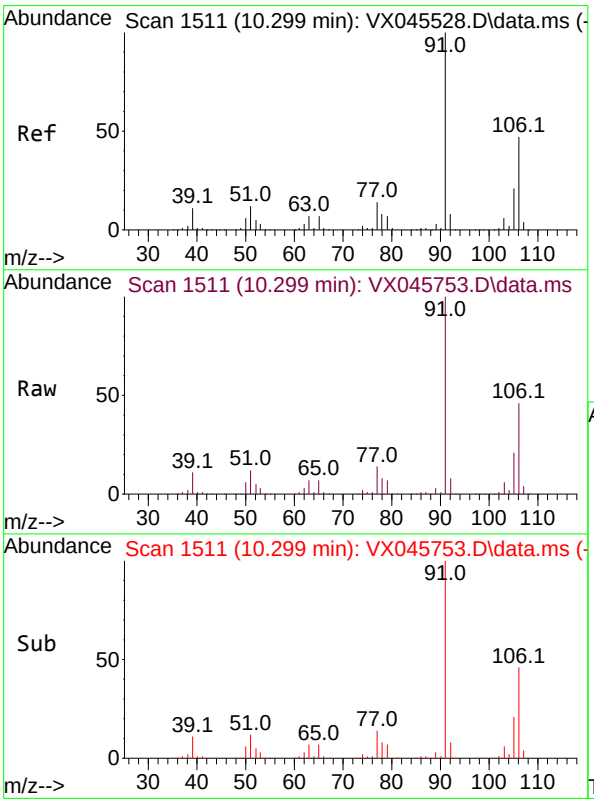
#67
Ethyl Benzene
Concen: 50.395 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 259982

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5

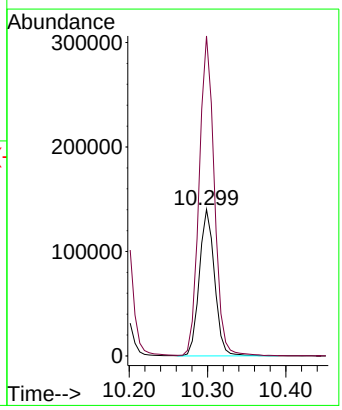


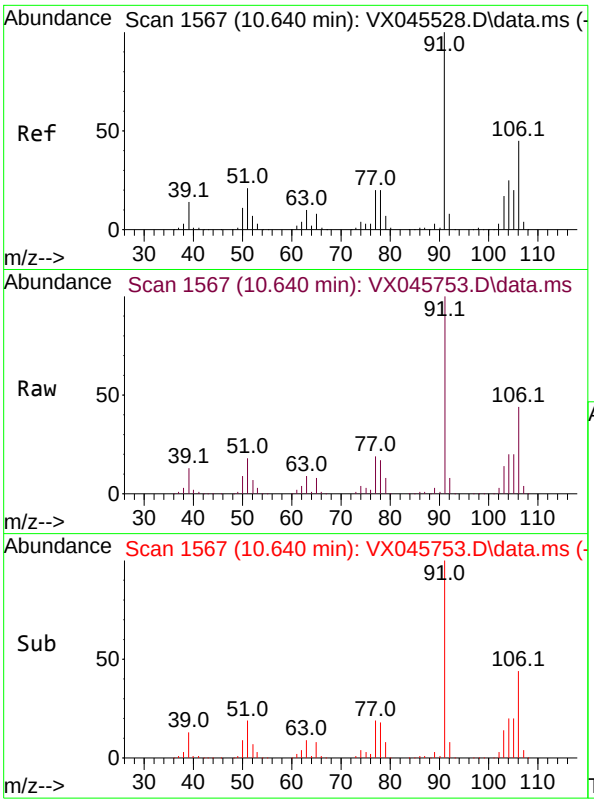


#68
m/p-Xylenes
Concen: 101.039 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:106 Resp: 189582

Ion	Ratio	Lower	Upper
106	100		
91	217.4	172.6	258.8



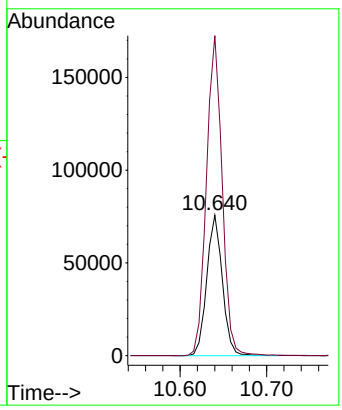


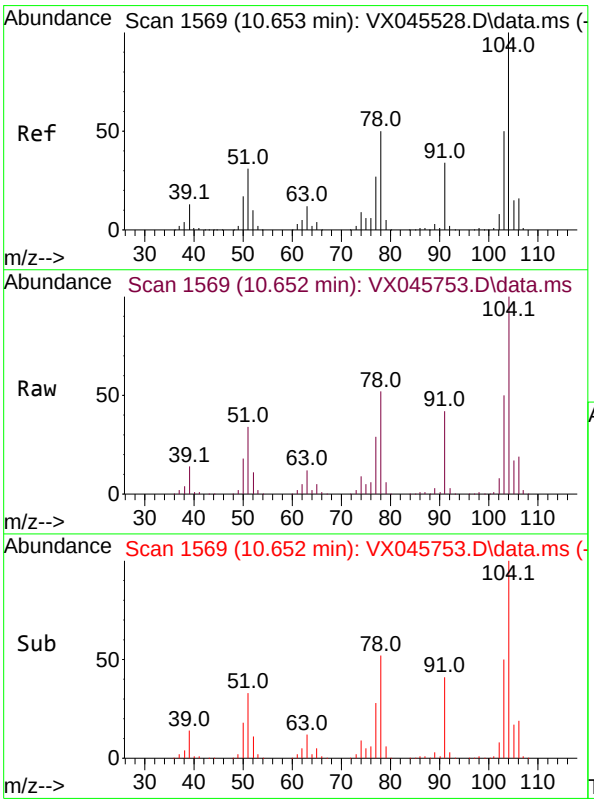
#69
o-Xylene
Concen: 51.294 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 94810

Ion	Ratio	Lower	Upper
106	100		
91	230.2	113.6	340.6

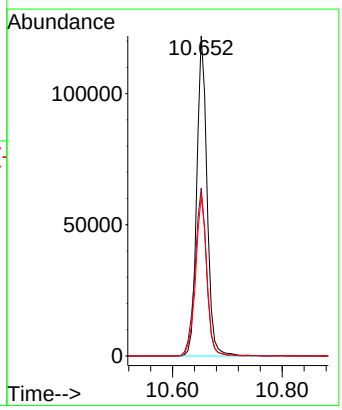


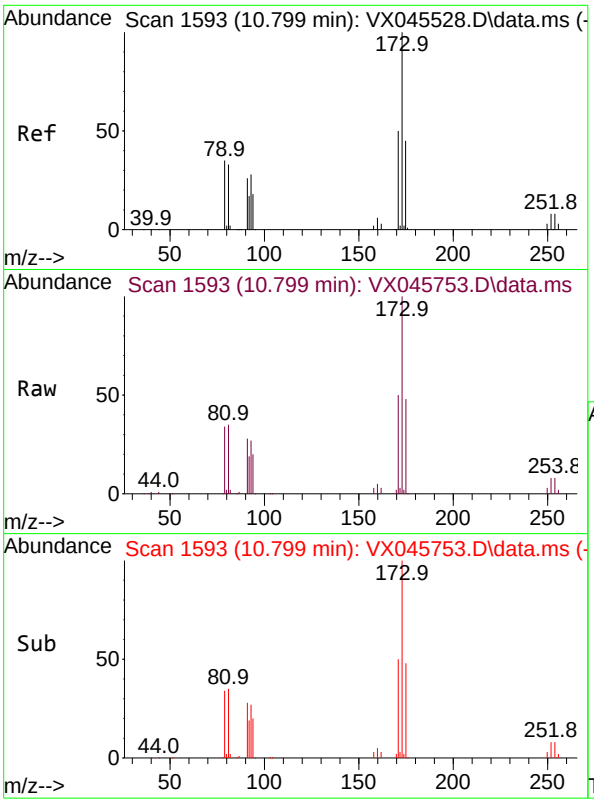


#70
Styrene
Concen: 52.385 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:104 Resp: 159810

Ion	Ratio	Lower	Upper
104	100		
78	58.6	45.4	68.2
103	54.6	43.8	65.8



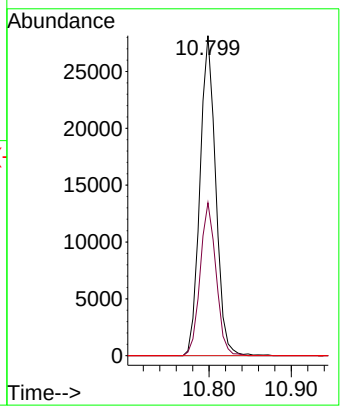


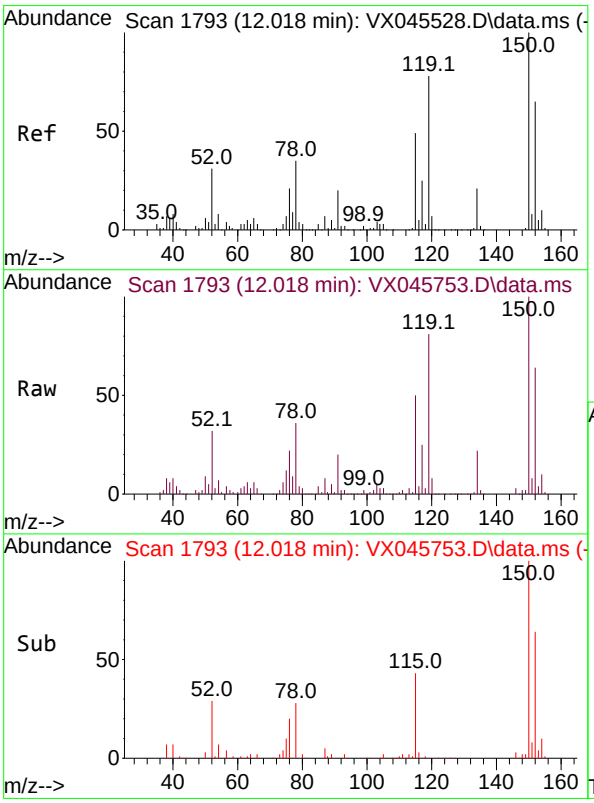
#71
Bromoform
Concen: 50.132 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 37433

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.2
254	0.0	0.0	0.0

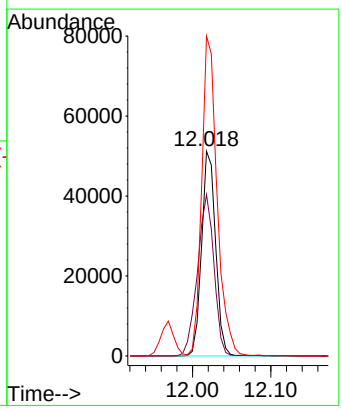


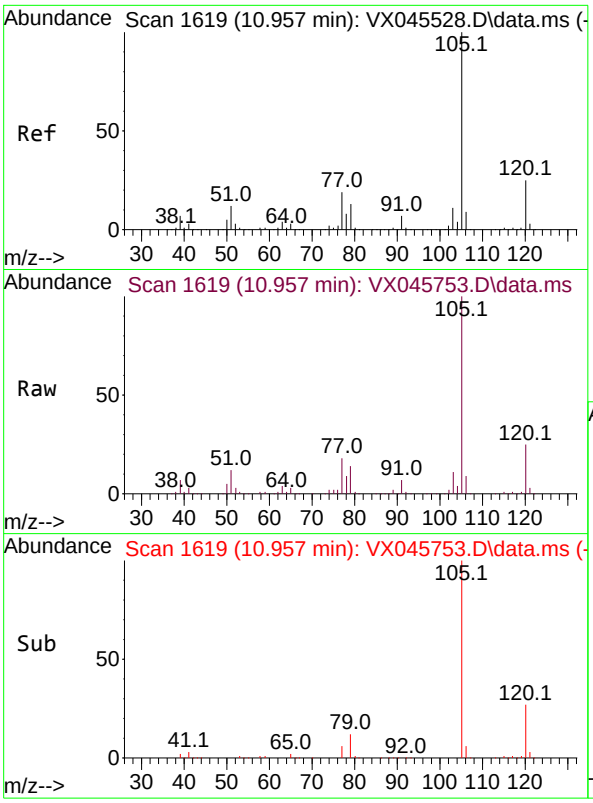


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:152 Resp: 63454

Ion	Ratio	Lower	Upper
152	100		
115	93.4	46.9	140.7
150	172.6	0.0	349.4



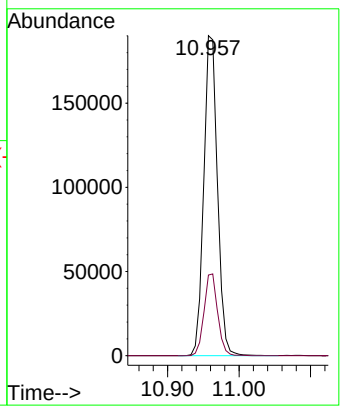


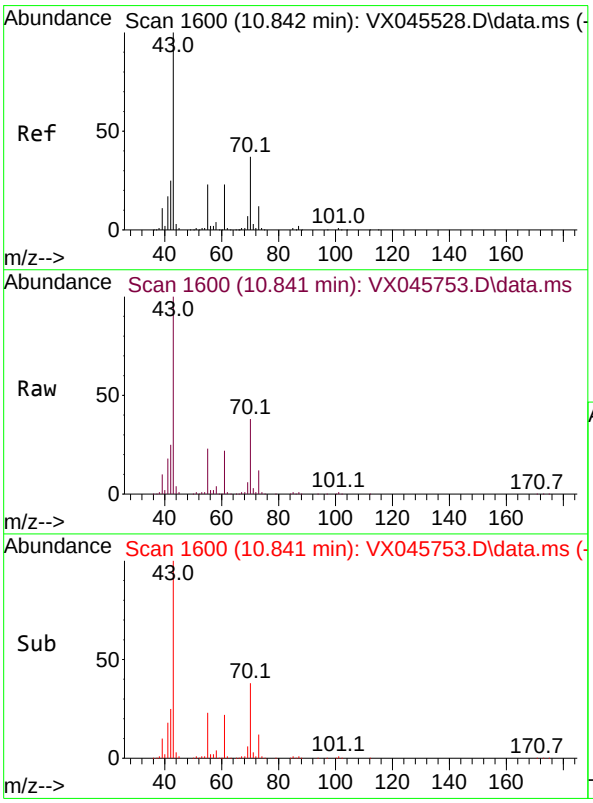
#73
Isopropylbenzene
Concen: 49.753 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 252881

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.7	38.0

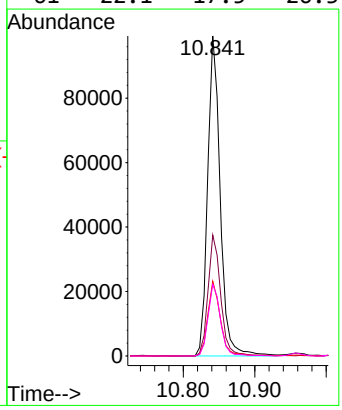


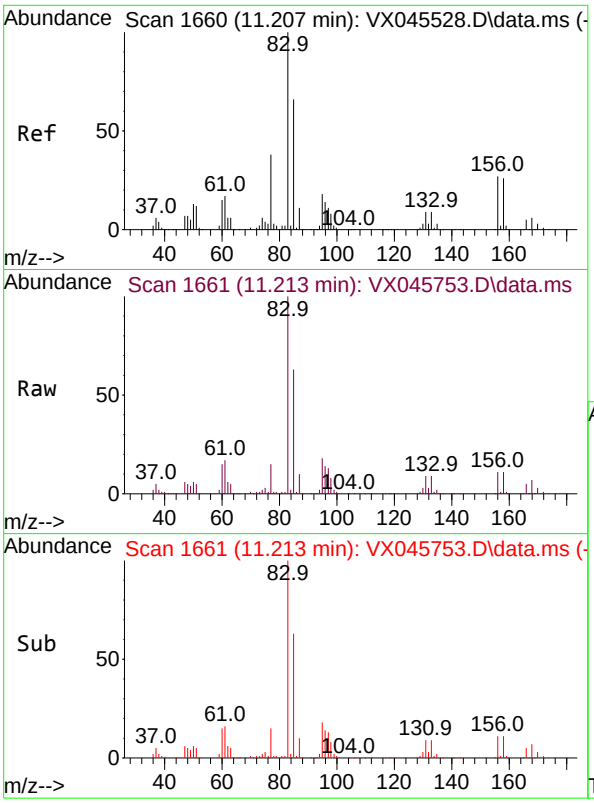


#74
N-amyl acetate
Concen: 49.926 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 43 Resp: 121387

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.1	45.1
55	23.5	18.3	27.5
61	22.1	17.5	26.3



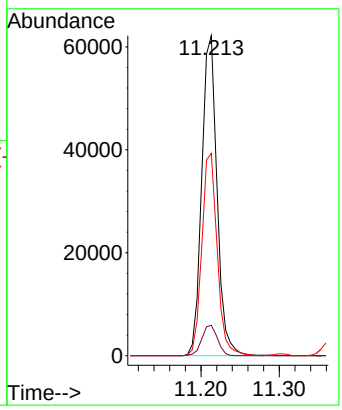


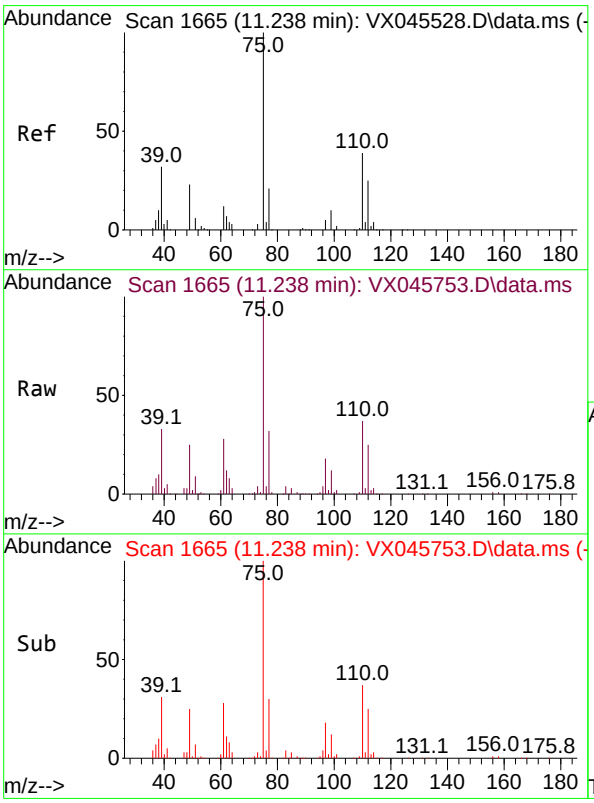
#75
1,1,2,2-Tetrachloroethane
Concen: 47.176 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 84233

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	63.6	32.4	97.2

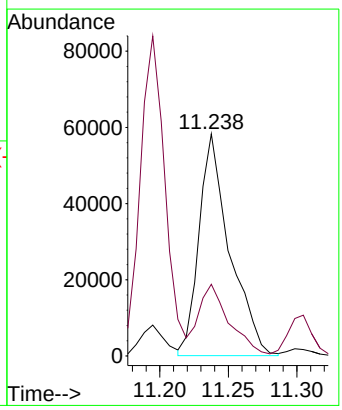


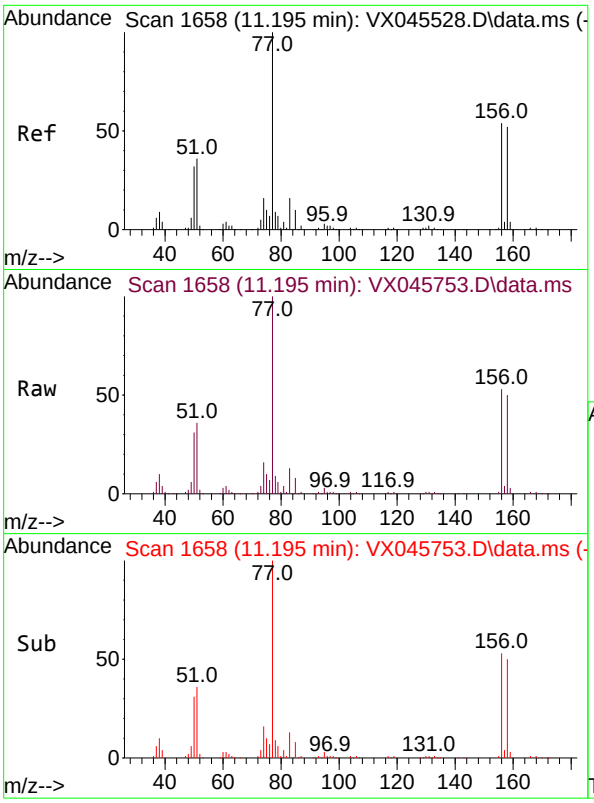


#76
1,2,3-Trichloropropane
Concen: 58.733 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 90907

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.0	59.9



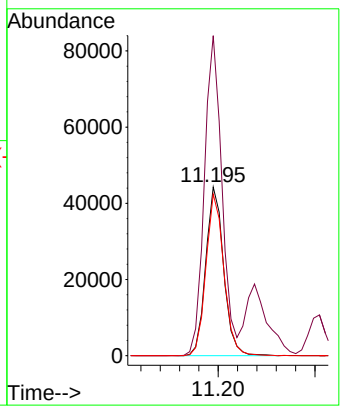


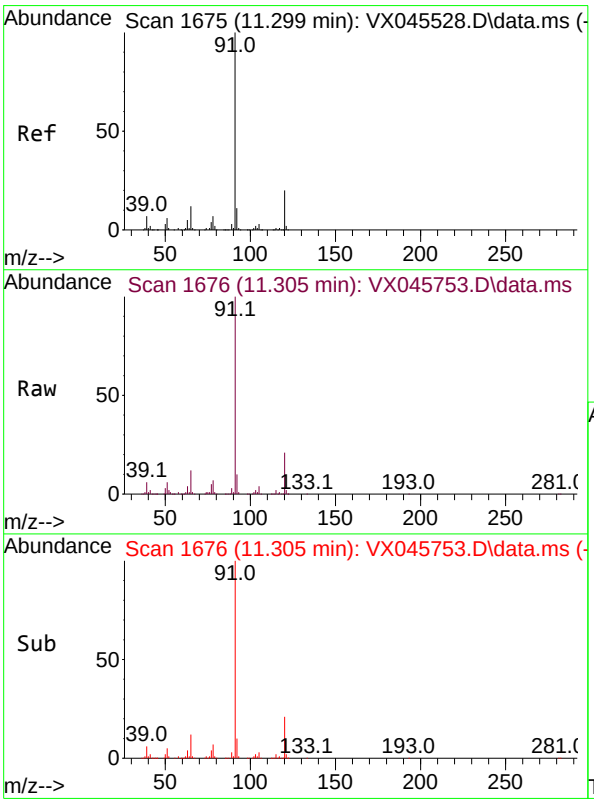
#77
Bromobenzene
Concen: 48.436 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 56882

Ion	Ratio	Lower	Upper
156	100		
77	186.8	92.6	277.8
158	96.2	48.1	144.4

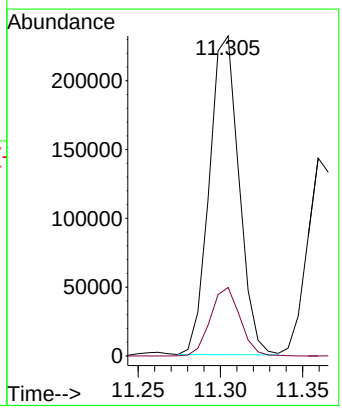


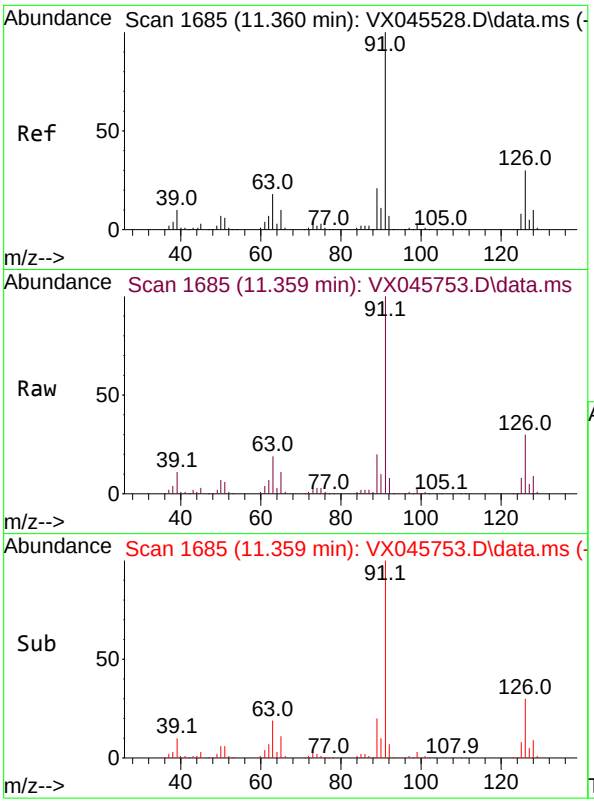


#78
n-propylbenzene
Concen: 49.741 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 291204

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3



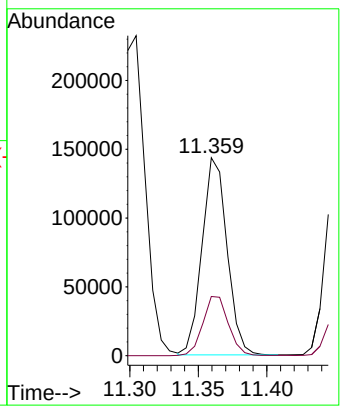


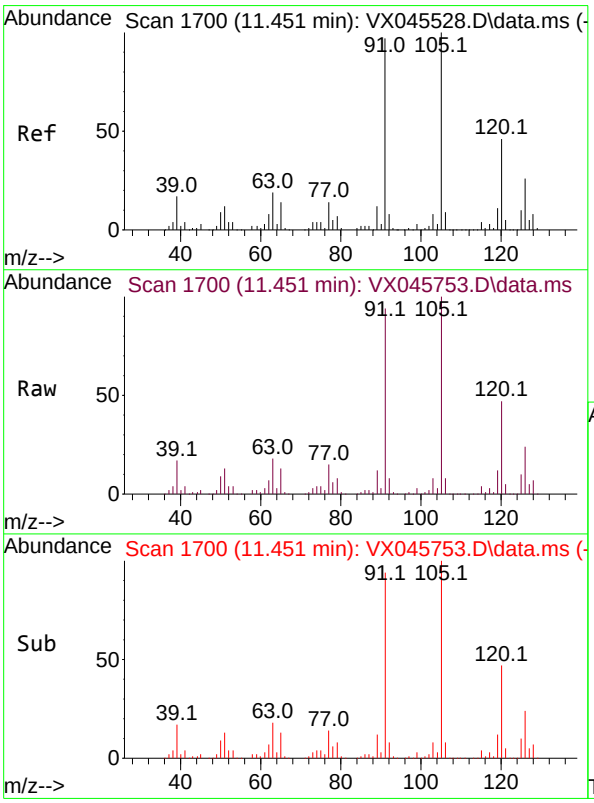
#79
2-Chlorotoluene
Concen: 48.671 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 182163

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.8	47.4

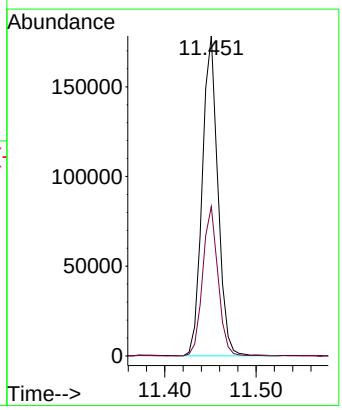


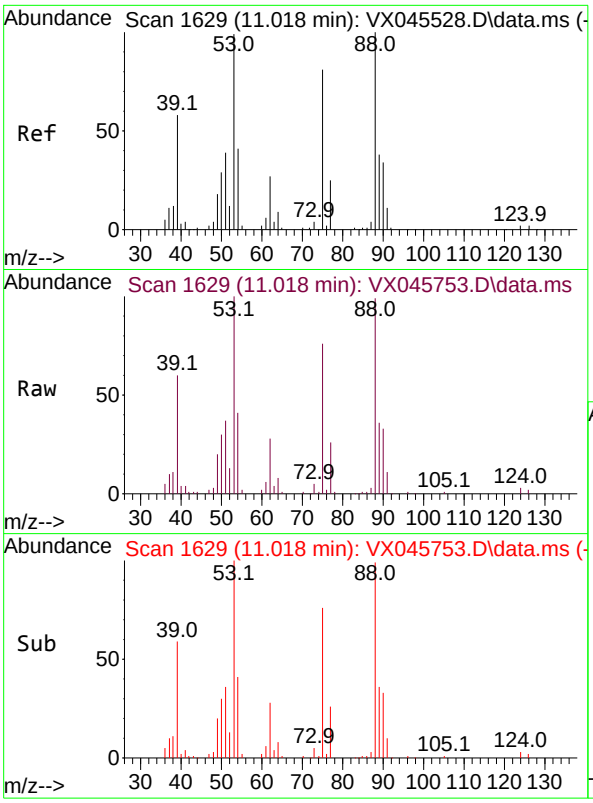


#80
1,3,5-Trimethylbenzene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:105 Resp: 210739

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0



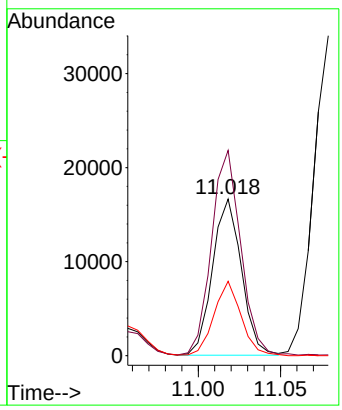


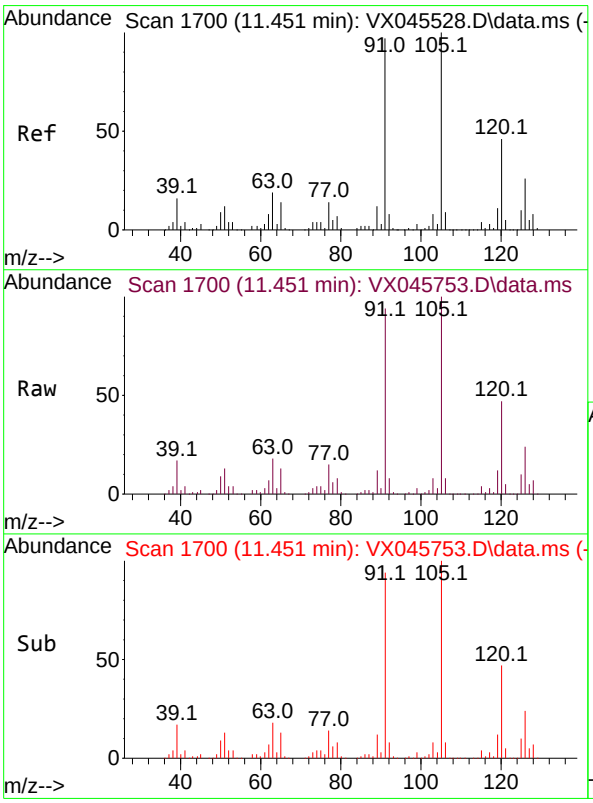
#81
trans-1,4-Dichloro-2-butene
Concen: 44.589 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 20335

Ion	Ratio	Lower	Upper
75	100		
53	134.1	101.8	152.6
89	44.8	37.2	55.8

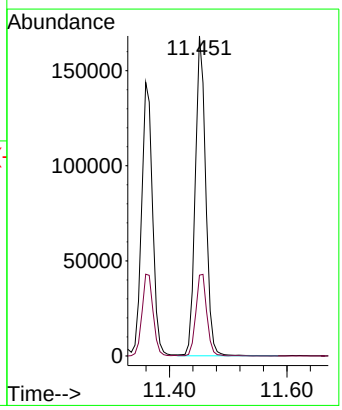


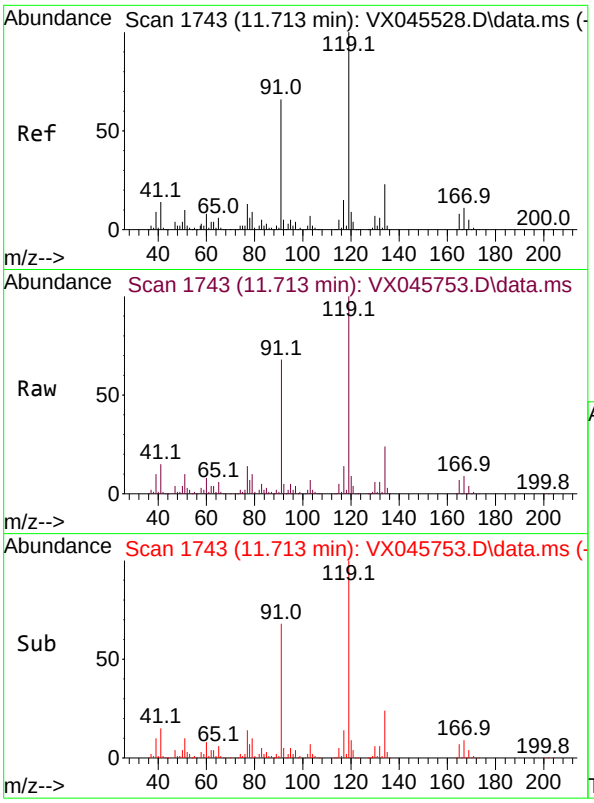


#82
4-Chlorotoluene
Concen: 49.632 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 91 Resp: 207110

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.9



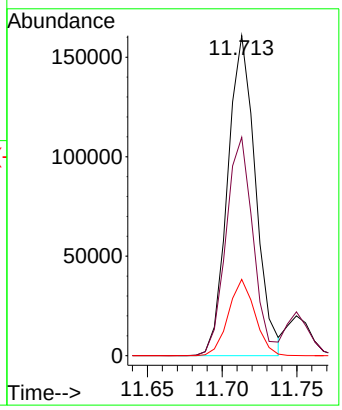


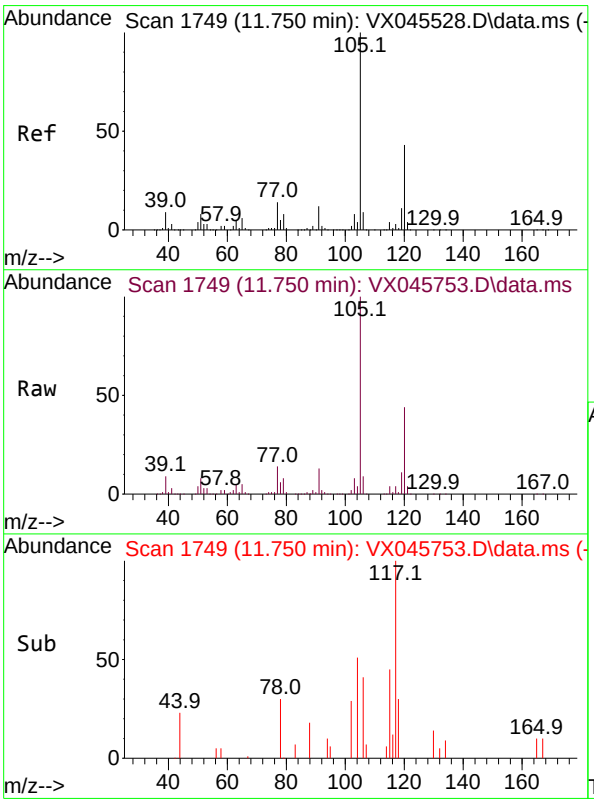
#83
tert-Butylbenzene
Concen: 49.996 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 208036

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	22.7	11.5	34.5

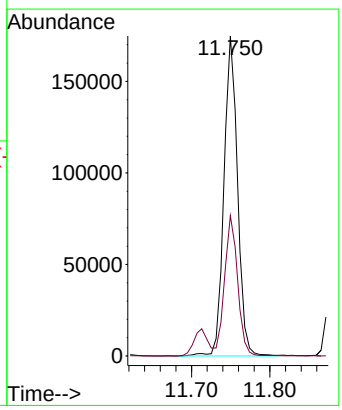


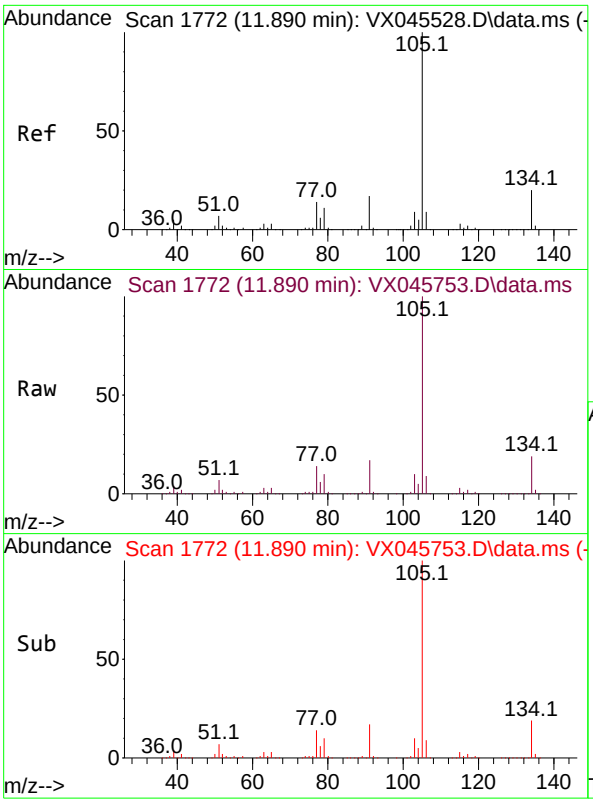


#84
1,2,4-Trimethylbenzene
Concen: 50.044 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:105 Resp: 211110

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3



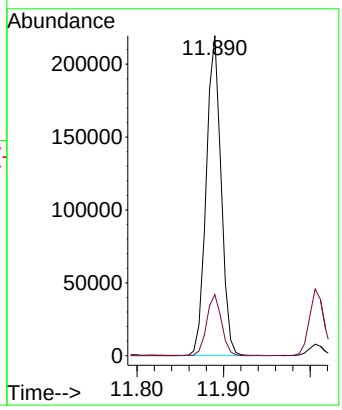


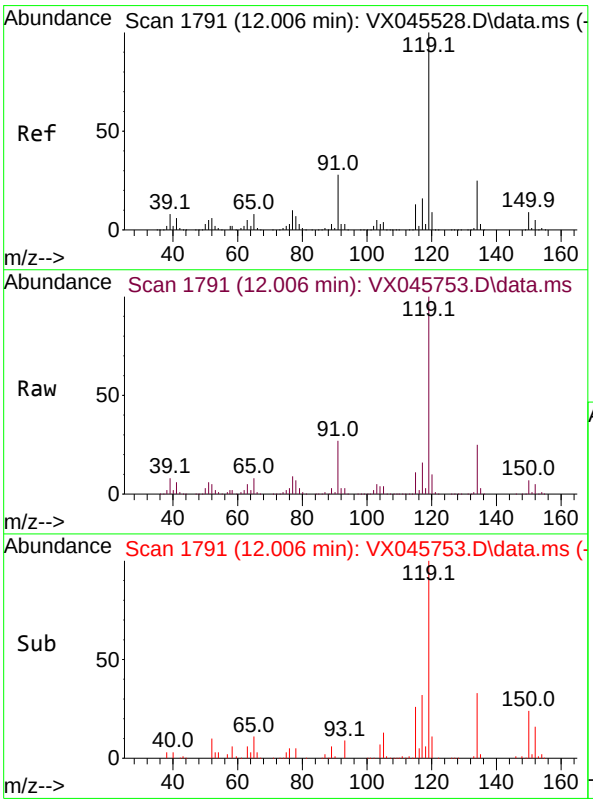
#85
sec-Butylbenzene
Concen: 50.943 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 260361

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6

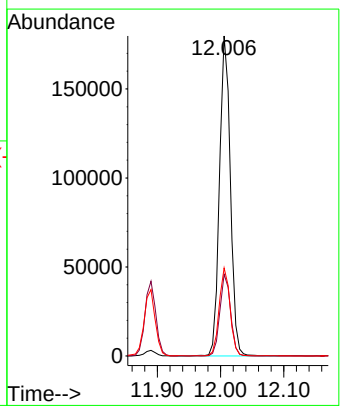


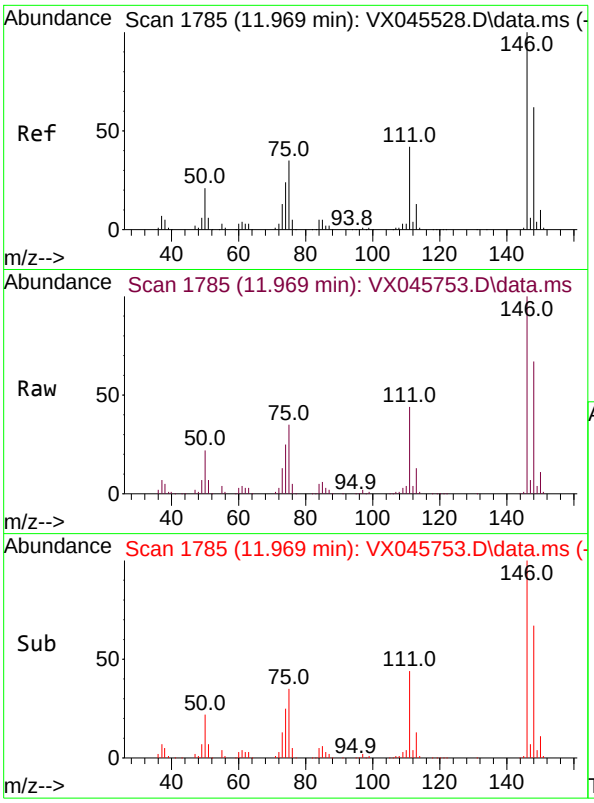


#86
p-Isopropyltoluene
Concen: 50.448 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:119 Resp: 212566

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.7	13.7	41.1



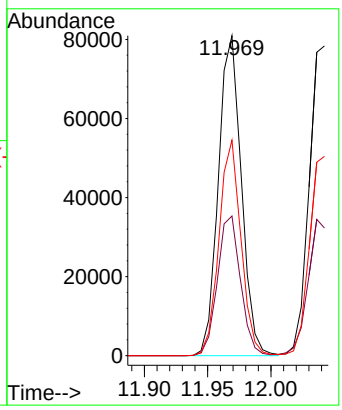


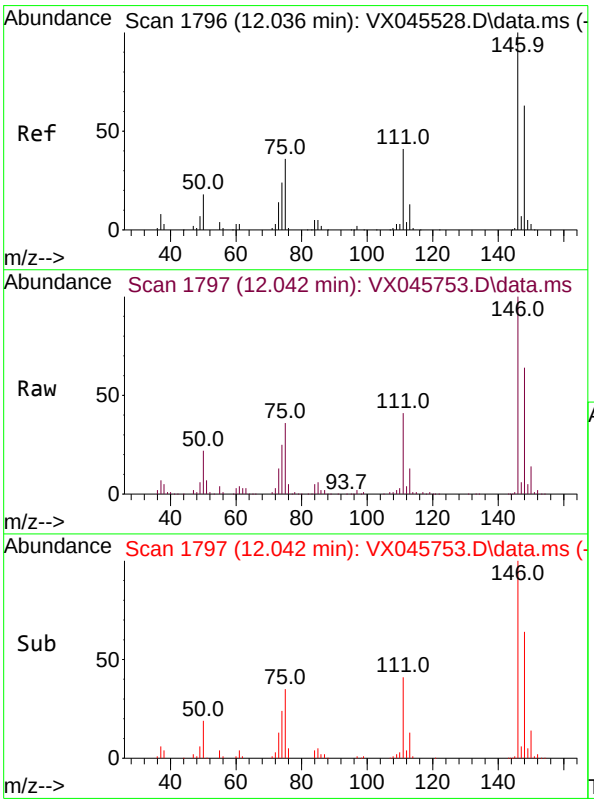
#87
1,3-Dichlorobenzene
Concen: 47.759 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 102095

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	64.5	31.9	95.7

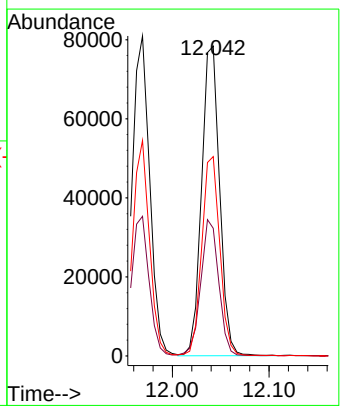


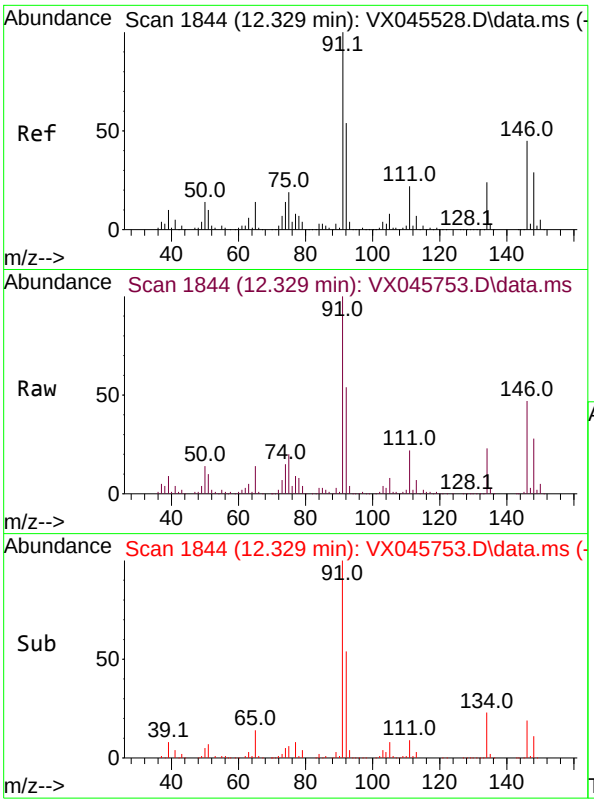


#88
1,4-Dichlorobenzene
Concen: 47.033 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:146 Resp: 101930

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.9	62.8
148	64.5	31.5	94.5



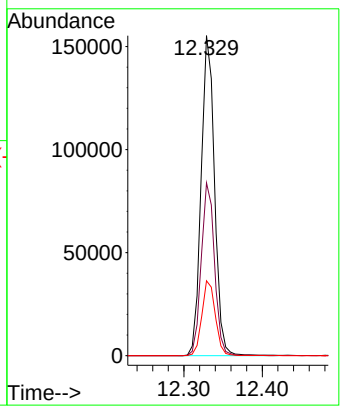


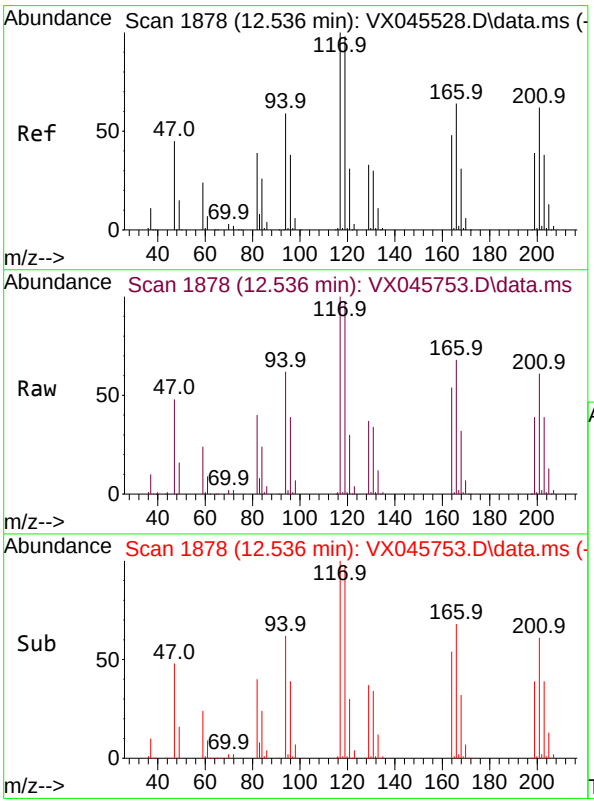
#89
n-Butylbenzene
Concen: 50.440 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 184298

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.5	11.9	35.7

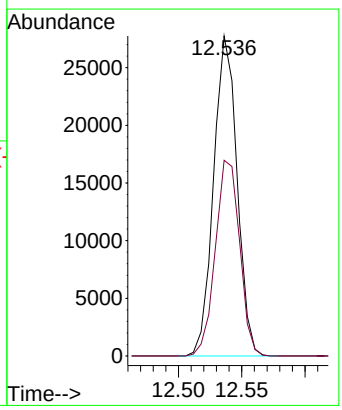


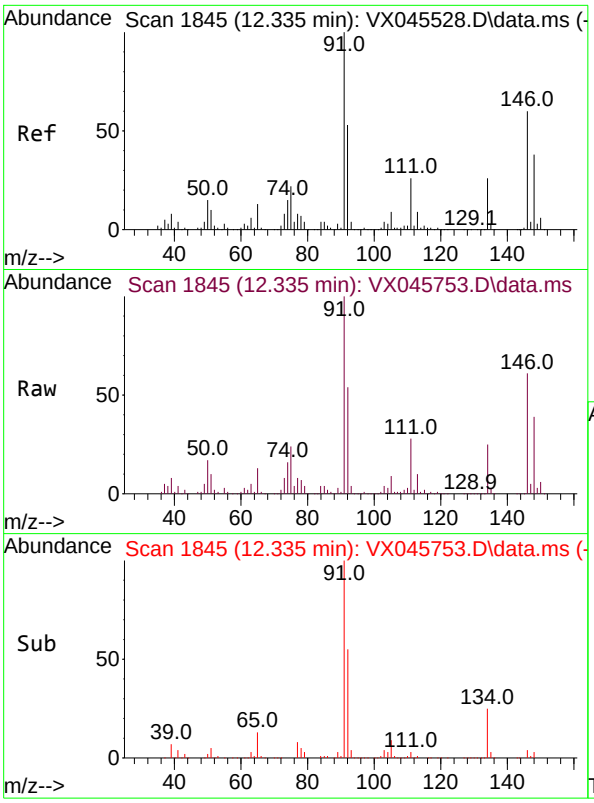


#90
Hexachloroethane
Concen: 49.357 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:117 Resp: 35741

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.2	93.6



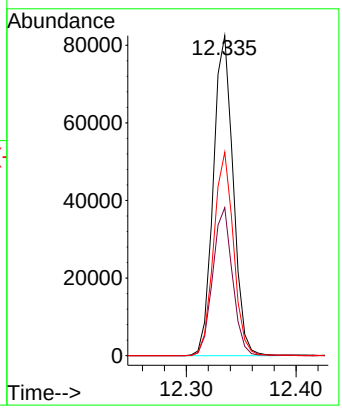


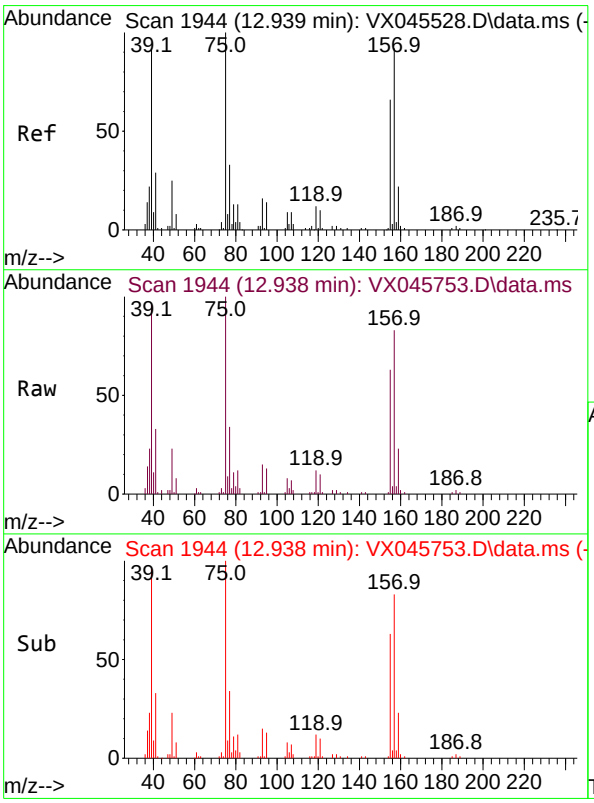
#91
1,2-Dichlorobenzene
Concen: 48.847 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 103817

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.8
148	63.5	31.9	95.5

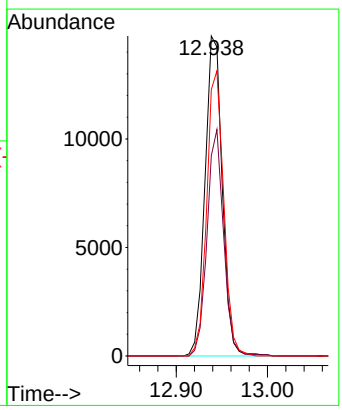


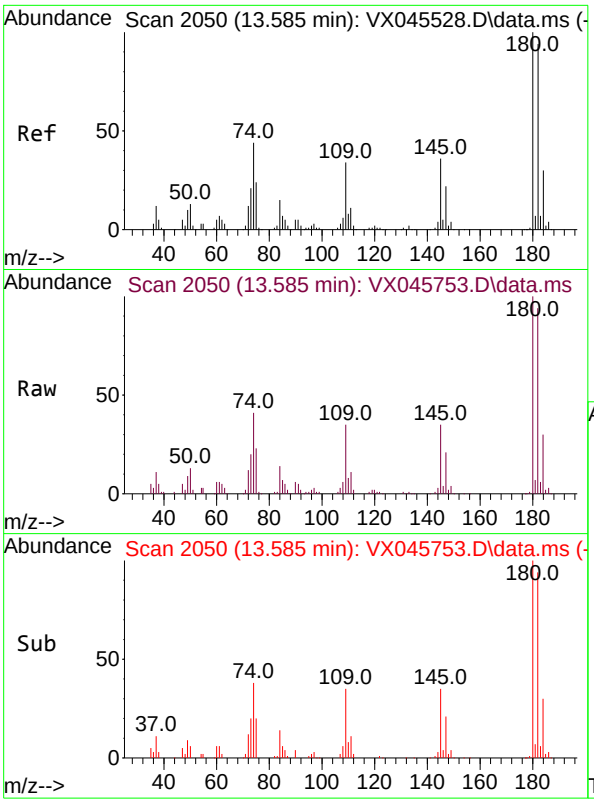


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.860 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion: 75 Resp: 19365

Ion	Ratio	Lower	Upper
75	100		
155	67.4	34.9	104.7
157	87.0	44.9	134.7



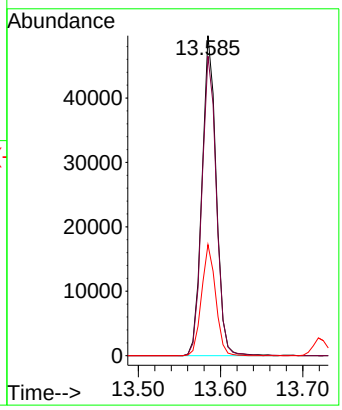


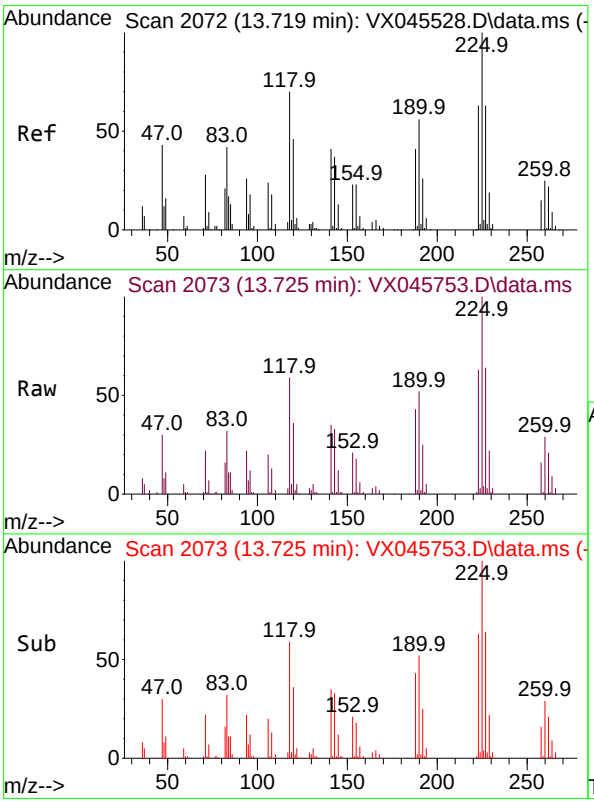
#93
1,2,4-Trichlorobenzene
Concen: 50.371 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 59591

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	34.3	17.9	53.8

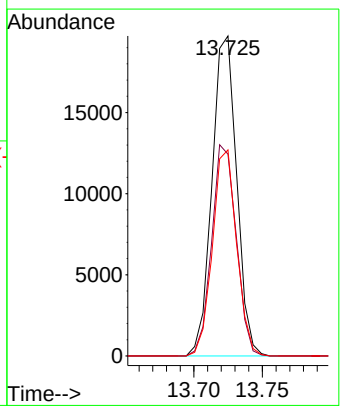


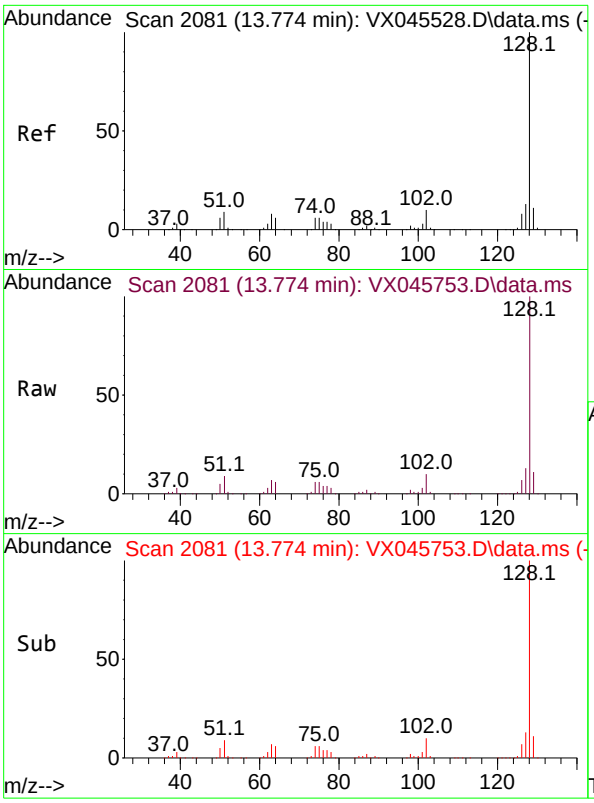


#94
Hexachlorobutadiene
Concen: 48.349 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:225 Resp: 24648

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.3
227	63.2	32.2	96.6



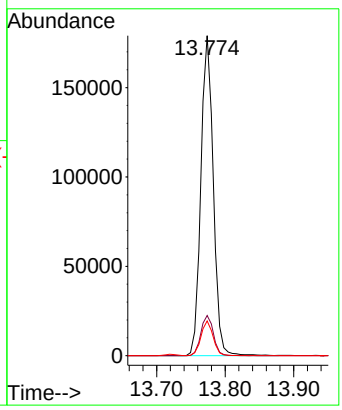


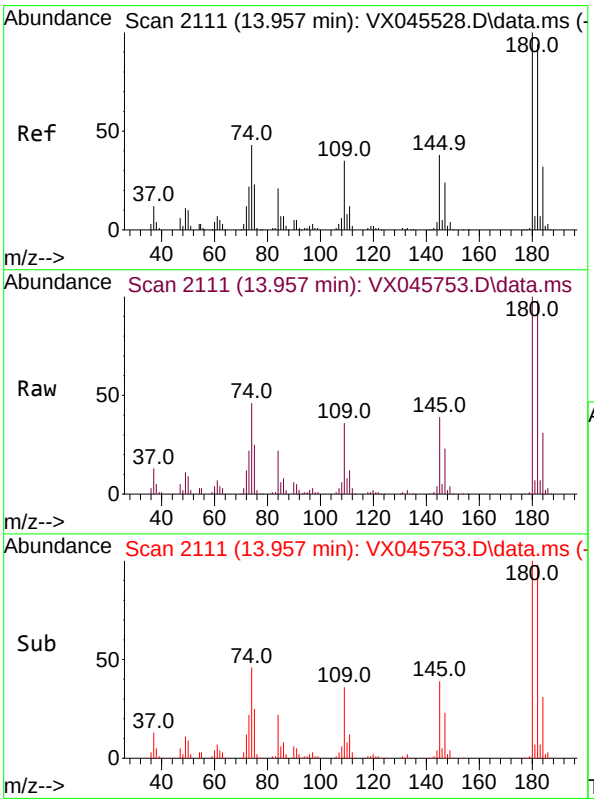
#95
Naphthalene
Concen: 51.359 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 226111

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 49.830 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045753.D
Acq: 11 Apr 2025 19:42

Tgt Ion:180 Resp: 61729

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	36.8	18.2	54.6

