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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : Q1559

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1559

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q1559-01	RE115D1-20250310
Q1559-02	RE115D2-20250310
Q1559-03	RE134D1-20250310
Q1559-04	RE134D3-20250310
Q1559-05	RE134D4-20250310
Q1559-06	TT149S1-20250310
Q1559-07	RE125D3-20250310
Q1559-08	DUP02-20250310
Q1559-09	DUP03-20250310
Q1559-10	RW10-MW01D-20250311
Q1559-11	RW10-MW01S-20250311
Q1559-12	TT158S1-20250311
Q1559-13	TT158I1-20250311
Q1559-14	RW10A-MW01S-20250311
Q1559-15	RW10A-MW01I-20250311
Q1559-16	RW4-RE137-20250311
Q1559-17	RE104D1-20250312
Q1559-18	TB
Q1559-19	DUP05-20250312
Q1559-20	RE120D1-20250312
Q1559-21	RE120D3-20250312
Q1559-22	RE120D2-20250312

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:39 am, Mar 25, 2025

Date: 3/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Chemtech Project # Q1559
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
22 Water samples were received on 03/12/2025.

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 Initial Calibration met the requirements.

The Continuous Calibration File ID VX045312.D met the requirements except for Carbon Disulfide which is our target compound but failing marginally low, therefore no corrective action taken.

The Continuous Calibration File ID VX045347.D met the requirements except for Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples RE115D2-20250310 was direct diluted due to past history of this sample containing high amounts of Trichloroethene.

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Samples RE115D1-20250310, RE134D3-20250310, RE134D4-20250310, RE125D3-20250310, DUP03-20250310, RW4-RE137-20250311, RE120D3-20250312 and RE120D2-20250312 were diluted due to high concentrations.

E. Additional Comments:
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.

The Sample #RE115D2-20250310 and RE134D1-20250310 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:40 am, Mar 25, 2025

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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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1559 MATRIX: Water

METHOD: 8260D.

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VX045312.D met the requirements except for Carbon Disulfide which is our target compound but failing marginally low, therefore no corrective action taken. The Continuous Calibration File ID VX045347.D met the requirements except for Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. 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:			✓

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

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

ADDITIONAL COMMENTS:

Samples RE115D2-20250310 was direct diluted due to past history of this sample containing high amounts of Trichloroethene.

Samples RE115D1-20250310, RE134D3-20250310, RE134D4-20250310, RE125D3-20250310, DUP03-20250310, RW4-RE137-20250311, RE120D3-20250312 and RE120D2-20250312 were diluted due to high concentrations.

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.

The Sample #RE115D2-20250310 and RE134D1-20250310 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:40 am, Mar 25, 2025

Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1559

	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: MOHAMMAD AHMED **Date:** 03/25/2025

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LAB CHRONICLE

OrderID:	Q1559	**OrderDate:**	3/12/2025 4:47:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	I41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1559-01	**RE115D1-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/13/25	
Q1559-01DL	**RE115D1-20250310DL**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/18/25	
Q1559-02	**RE115D2-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/13/25	
Q1559-03	**RE134D1-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/18/25	
Q1559-04	**RE134D3-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/13/25	
Q1559-04DL	**RE134D3-20250310DL**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/18/25	
Q1559-05	**RE134D4-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/13/25	
Q1559-05DL	**RE134D4-20250310DL**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/18/25	
Q1559-06	**TT149S1-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/18/25	
Q1559-07	**RE125D3-20250310**	**Water**			**03/10/25**			**03/12/25**
			VOCMS Group1	8260-Low			03/13/25	

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Q1559-07DL	**RE125D3-20250310DL**	**Water**			**03/10/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-08	**DUP02-20250310**	**Water**			**03/10/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1559-09	**DUP03-20250310**	**Water**			**03/10/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-09DL	**DUP03-20250310DL**	**Water**			**03/10/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1559-10	**RW10-MW01D-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-11	**RW10-MW01S-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-12	**TT158S1-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-13	**TT158I1-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-14	**RW10A-MW01S-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-15	**RW10A-MW01I-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-16	**RW4-RE137-20250311**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-16DL	**RW4-RE137-20250311DL**	**Water**			**03/11/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-17	**RE104D1-20250312**	**Water**			**03/12/25**		**03/12/25**

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LAB CHRONICLE

			VOCMS Group1	8260-Low		03/13/25	
Q1559-18	**TB**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-19	**DUP05-20250312**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-20	**RE120D1-20250312**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/13/25	
Q1559-21	**RE120D3-20250312**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-21DL	**RE120D3-20250312DL**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1559-22	**RE120D2-20250312**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/18/25	
Q1559-22DL	**RE120D2-20250312DL**	**Water**			**03/12/25**		**03/12/25**
			VOCMS Group1	8260-Low		03/20/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE115D1-20250310**								
Q1559-01	RE115D1-2025031(	Water	Dichlorodifluoromethane	2.30		0.22	0.50	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	1,1,2-Trichlorotrifluoroethane	33.2		0.25	0.50	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	1,1-Dichloroethene	12.7		0.23	0.75	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q1559-01	RE115D1-2025031(	Water	1,1-Dichloroethane	1.70		0.23	0.50	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	Carbon Tetrachloride	3.60		0.25	0.50	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	Chloroform	2.10		0.25	0.50	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	Trichloroethene	540	E	0.090	0.75	1.00	ug/L
Q1559-01	RE115D1-2025031(	Water	1,1,2-Trichloroethane	1.20		0.21	0.50	1.00	ug/L
			Total Voc :	602					
			Total Concentration:	602					
Client ID:	**RE115D1-20250310DL**								
Q1559-01DL	RE115D1-2025031(	Water	1,1,2-Trichlorotrifluoroethane	45.4	D	2.50	5.00	10.0	ug/L
Q1559-01DL	RE115D1-2025031(	Water	1,1-Dichloroethene	12.0	D	2.30	7.50	10.0	ug/L
Q1559-01DL	RE115D1-2025031(	Water	Trichloroethene	510	D	0.93	7.50	10.0	ug/L
			Total Voc :	567					
			Total Concentration:	567					
Client ID:	**RE115D2-20250310**								
Q1559-02	RE115D2-2025031(	Water	1,1,2-Trichlorotrifluoroethane	90.4		10.0	20.0	40.0	ug/L
Q1559-02	RE115D2-2025031(	Water	1,1-Dichloroethene	47.5		9.20	30.0	40.0	ug/L
Q1559-02	RE115D2-2025031(	Water	Trichloroethene	1700		3.70	30.0	40.0	ug/L
			Total Voc :	1840					
			Total Concentration:	1840					
Client ID:	**RE134D1-20250310**								
Q1559-03	RE134D1-2025031(	Water	Trichloroethene	3.40		0.090	0.75	1.00	ug/L
Q1559-03	RE134D1-2025031(	Water	Tetrachloroethene	0.56	J	0.23	0.50	1.00	ug/L
			Total Voc :	3.96					
			Total Concentration:	3.96					
Client ID:	**RE134D3-20250310**								
Q1559-04	RE134D3-2025031(	Water	Trichlorofluoromethane	0.34	J	0.33	0.50	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	1,1,2-Trichlorotrifluoroethane	1100	E	0.25	0.50	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	1,1-Dichloroethene	8.70		0.23	0.75	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	cis-1,2-Dichloroethene	5.50		0.19	0.75	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	Chloroform	0.51	J	0.25	0.50	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	Trichloroethene	220	E	0.090	0.75	1.00	ug/L
Q1559-04	RE134D3-2025031(	Water	1,2-Dichloropropane	1.90		0.20	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1559-04	RE134D3-2025031(	Water	Tetrachloroethene	350	E	0.23	0.50	1.00	ug/L
			Total Voc :	1690					
			Total Concentration:	1690					
Client ID:	**RE134D3-20250310DL**								
Q1559-04DL	RE134D3-2025031(	Water	1,1,2-Trichlorotrifluoroethane	1100	D	5.00	10.0	20.0	ug/L
Q1559-04DL	RE134D3-2025031(	Water	Trichloroethene	220	D	1.90	15.0	20.0	ug/L
Q1559-04DL	RE134D3-2025031(	Water	Tetrachloroethene	350	D	4.60	10.0	20.0	ug/L
			Total Voc :	1670					
			Total Concentration:	1670					
Client ID:	**RE134D4-20250310**								
Q1559-05	RE134D4-2025031(	Water	1,1,2-Trichlorotrifluoroethane	540	E	0.25	0.50	1.00	ug/L
Q1559-05	RE134D4-2025031(	Water	1,1-Dichloroethene	3.10		0.23	0.75	1.00	ug/L
Q1559-05	RE134D4-2025031(	Water	cis-1,2-Dichloroethene	1.30		0.19	0.75	1.00	ug/L
Q1559-05	RE134D4-2025031(	Water	Trichloroethene	43.0		0.090	0.75	1.00	ug/L
Q1559-05	RE134D4-2025031(	Water	1,2-Dichloropropane	1.30		0.20	0.50	1.00	ug/L
Q1559-05	RE134D4-2025031(	Water	Tetrachloroethene	35.4		0.23	0.50	1.00	ug/L
			Total Voc :	624					
			Total Concentration:	624					
Client ID:	**RE134D4-20250310DL**								
Q1559-05DL	RE134D4-2025031(	Water	1,1,2-Trichlorotrifluoroethane	460	D	2.50	5.00	10.0	ug/L
Q1559-05DL	RE134D4-2025031(	Water	Trichloroethene	53.9	D	0.93	7.50	10.0	ug/L
Q1559-05DL	RE134D4-2025031(	Water	Tetrachloroethene	33.7	D	2.30	5.00	10.0	ug/L
			Total Voc :	548					
			Total Concentration:	548					
Client ID:	**TT149S1-20250310**								
Q1559-06	TT149S1-20250310	Water	Acetone	2.60	J	1.50	3.80	5.00	ug/L
Q1559-06	TT149S1-20250310	Water	Methyl tert-butyl Ether	11.4		0.16	0.50	1.00	ug/L
Q1559-06	TT149S1-20250310	Water	Trichloroethene	4.50		0.090	0.75	1.00	ug/L
Q1559-06	TT149S1-20250310	Water	Tetrachloroethene	1.10		0.23	0.50	1.00	ug/L
			Total Voc :	19.6					
			Total Concentration:	19.6					
Client ID:	**RE125D3-20250310**								
Q1559-07	RE125D3-2025031(	Water	1,1,2-Trichlorotrifluoroethane	180	E	0.25	0.50	1.00	ug/L
Q1559-07	RE125D3-2025031(	Water	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
Q1559-07	RE125D3-2025031(	Water	Trichloroethene	84.9		0.090	0.75	1.00	ug/L
Q1559-07	RE125D3-2025031(	Water	Tetrachloroethene	11.6		0.23	0.50	1.00	ug/L
			Total Voc :	278					
			Total Concentration:	278					
Client ID:	**RE125D3-20250310DL**								

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Hit Summary Sheet
SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1559-07DL	RE125D3-2025031(	Water	1,1,2-Trichlorotrifluoroethane	190	D	1.00	2.00	4.00	ug/L
Q1559-07DL	RE125D3-2025031(	Water	Trichloroethene	94.1	D	0.37	3.00	4.00	ug/L
Q1559-07DL	RE125D3-2025031(	Water	Tetrachloroethene	13.6	D	0.92	2.00	4.00	ug/L
			Total Voc :	298					
			Total Concentration:	298					
Client ID:	**DUP02-20250310**								
Q1559-08	DUP02-20250310	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1559-08	DUP02-20250310	Water	Trichloroethene	3.30		0.090	0.75	1.00	ug/L
Q1559-08	DUP02-20250310	Water	Tetrachloroethene	0.50	J	0.23	0.50	1.00	ug/L
			Total Voc :	5.50					
			Total Concentration:	5.50					
Client ID:	**DUP03-20250310**								
Q1559-09	DUP03-20250310	Water	Dichlorodifluoromethane	2.00		0.22	0.50	1.00	ug/L
Q1559-09	DUP03-20250310	Water	1,1,2-Trichlorotrifluoroethane	32.6		0.25	0.50	1.00	ug/L
Q1559-09	DUP03-20250310	Water	1,1-Dichloroethene	12.5		0.23	0.75	1.00	ug/L
Q1559-09	DUP03-20250310	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q1559-09	DUP03-20250310	Water	Carbon Tetrachloride	3.60		0.25	0.50	1.00	ug/L
Q1559-09	DUP03-20250310	Water	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
Q1559-09	DUP03-20250310	Water	Chloroform	2.10		0.25	0.50	1.00	ug/L
Q1559-09	DUP03-20250310	Water	Trichloroethene	540	E	0.090	0.75	1.00	ug/L
Q1559-09	DUP03-20250310	Water	1,1,2-Trichloroethane	1.20		0.21	0.50	1.00	ug/L
			Total Voc :	600					
			Total Concentration:	600					
Client ID:	**DUP03-20250310DL**								
Q1559-09DL	DUP03-20250310D	Water	1,1,2-Trichlorotrifluoroethane	30.3	D	2.50	5.00	10.0	ug/L
Q1559-09DL	DUP03-20250310D	Water	1,1-Dichloroethene	14.0	D	2.30	7.50	10.0	ug/L
Q1559-09DL	DUP03-20250310D	Water	Trichloroethene	510	D	0.93	7.50	10.0	ug/L
			Total Voc :	554					
			Total Concentration:	554					
Client ID:	**RW10-MW01D-20250311**								
Q1559-10	RW10-MW01D-20:	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	**RW10-MW01S-20250311**								
Q1559-11	RW10-MW01S-202	Water	Acetone	2.90	J	1.50	3.80	5.00	ug/L
Q1559-11	RW10-MW01S-202	Water	Methyl tert-butyl Ether	1.10		0.16	0.50	1.00	ug/L
Q1559-11	RW10-MW01S-202	Water	cis-1,2-Dichloroethene	0.84	J	0.19	0.75	1.00	ug/L
Q1559-11	RW10-MW01S-202	Water	Trichloroethene	0.95	J	0.090	0.75	1.00	ug/L
Q1559-11	RW10-MW01S-202	Water	Tetrachloroethene	5.80		0.23	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	11.6					
			Total Concentration:	11.6					
Client ID:	**TT158S1-20250311**								
Q1559-12	TT158S1-20250311	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1559-12	TT158S1-20250311	Water	1,1-Dichloroethane	1.50		0.23	0.50	1.00	ug/L
			Total Voc :	3.20					
			Total Concentration:	3.20					
Client ID:	**TT158I1-20250311**								
Q1559-13	TT158I1-20250311	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1559-13	TT158I1-20250311	Water	Chloroform	0.28	J	0.25	0.50	1.00	ug/L
			Total Voc :	2.48					
			Total Concentration:	2.48					
Client ID:	**RW10A-MW01I-20250311**								
Q1559-15	RW10A-MW01I-20	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	**RW4-RE137-20250311**								
Q1559-16	RW4-RE137-20250	Water	1,1,2-Trichlorotrifluoroethane	10.0		0.25	0.50	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	1,1-Dichloroethene	1.30		0.23	0.75	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	Carbon Tetrachloride	0.86	J	0.25	0.50	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	Trichloroethene	580	E	0.090	0.75	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	1,1,2-Trichloroethane	0.34	J	0.21	0.50	1.00	ug/L
Q1559-16	RW4-RE137-20250	Water	Tetrachloroethene	4.30		0.23	0.50	1.00	ug/L
			Total Voc :	598					
			Total Concentration:	598					
Client ID:	**RW4-RE137-20250311DL**								
Q1559-16DL	RW4-RE137-20250	Water	1,1,2-Trichlorotrifluoroethane	10.3	D	2.50	5.00	10.0	ug/L
Q1559-16DL	RW4-RE137-20250	Water	Trichloroethene	480	D	0.93	7.50	10.0	ug/L
Q1559-16DL	RW4-RE137-20250	Water	Tetrachloroethene	3.80	JD	2.30	5.00	10.0	ug/L
			Total Voc :	494					
			Total Concentration:	494					
Client ID:	**RE104D1-20250312**								
Q1559-17	RE104D1-2025031	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q1559-17	RE104D1-2025031	Water	Trichloroethene	43.6		0.090	0.75	1.00	ug/L
Q1559-17	RE104D1-2025031	Water	Tetrachloroethene	2.80		0.23	0.50	1.00	ug/L
			Total Voc :	47.7					
			Total Concentration:	47.7					
Client ID:	**DUP05-20250312**								
Q1559-19	DUP05-20250312	Water	1,1,2-Trichlorotrifluoroethane	1.60		0.25	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1559-19	DUP05-20250312	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q1559-19	DUP05-20250312	Water	Trichloroethene	12.7		0.090	0.75	1.00	ug/L
			Total Voc :	16.6					
			Total Concentration:	16.6					
Client ID:	**RE120D1-20250312**								
Q1559-20	RE120D1-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	1.40		0.25	0.50	1.00	ug/L
Q1559-20	RE120D1-2025031[illegible]	Water	Acetone	3.10	J	1.50	3.80	5.00	ug/L
Q1559-20	RE120D1-2025031[illegible]	Water	Trichloroethene	12.4		0.090	0.75	1.00	ug/L
			Total Voc :	16.9					
			Total Concentration:	16.9					
Client ID:	**RE120D3-20250312**								
Q1559-21	RE120D3-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	16.5		0.25	0.50	1.00	ug/L
Q1559-21	RE120D3-2025031[illegible]	Water	1,1-Dichloroethene	7.60		0.23	0.75	1.00	ug/L
Q1559-21	RE120D3-2025031[illegible]	Water	cis-1,2-Dichloroethene	3.50		0.19	0.75	1.00	ug/L
Q1559-21	RE120D3-2025031[illegible]	Water	Trichloroethene	730	E	0.090	0.75	1.00	ug/L
Q1559-21	RE120D3-2025031[illegible]	Water	Tetrachloroethene	8.40		0.23	0.50	1.00	ug/L
			Total Voc :	766					
			Total Concentration:	766					
Client ID:	**RE120D3-20250312DL**								
Q1559-21DL	RE120D3-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	22.5	D	5.00	10.0	20.0	ug/L
Q1559-21DL	RE120D3-2025031[illegible]	Water	1,1-Dichloroethene	8.80	JD	4.60	15.0	20.0	ug/L
Q1559-21DL	RE120D3-2025031[illegible]	Water	Trichloroethene	780	D	1.90	15.0	20.0	ug/L
Q1559-21DL	RE120D3-2025031[illegible]	Water	Tetrachloroethene	7.10	JD	4.60	10.0	20.0	ug/L
			Total Voc :	818					
			Total Concentration:	818					
Client ID:	**RE120D2-20250312**								
Q1559-22	RE120D2-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	130		0.25	0.50	1.00	ug/L
Q1559-22	RE120D2-2025031[illegible]	Water	cis-1,2-Dichloroethene	2.30		0.19	0.75	1.00	ug/L
Q1559-22	RE120D2-2025031[illegible]	Water	Trichloroethene	350	E	0.090	0.75	1.00	ug/L
Q1559-22	RE120D2-2025031[illegible]	Water	Tetrachloroethene	9.60		0.23	0.50	1.00	ug/L
			Total Voc :	492					
			Total Concentration:	492					
Client ID:	**RE120D2-20250312DL**								
Q1559-22DL	RE120D2-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	130	D	2.50	5.00	10.0	ug/L
Q1559-22DL	RE120D2-2025031[illegible]	Water	Trichloroethene	350	D	0.93	7.50	10.0	ug/L
Q1559-22DL	RE120D2-2025031[illegible]	Water	Tetrachloroethene	9.40	JD	2.30	5.00	10.0	ug/L
			Total Voc :	489					
			Total Concentration:	489					

QC SUMMARY

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

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1559-01	RE115D1-20250310	1,2-Dichloroethane-d4	50	54.6	109	81	118
		Dibromofluoromethane	50	53.5	107	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.5	107	85	114
Q1559-01DL	RE115D1-20250310DL	1,2-Dichloroethane-d4	50	55.8	112	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1559-02	RE115D2-20250310	1,2-Dichloroethane-d4	50	53.3	107	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	53.1	106	85	114
Q1559-03	RE134D1-20250310	1,2-Dichloroethane-d4	50	56.4	113	81	118
		Dibromofluoromethane	50	53.7	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1559-04	RE134D3-20250310	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1559-04DL	RE134D3-20250310DL	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
Q1559-05	RE134D4-20250310	1,2-Dichloroethane-d4	50	56.0	112	81	118
		Dibromofluoromethane	50	53.2	106	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1559-05DL	RE134D4-20250310DL	1,2-Dichloroethane-d4	50	54.6	109	81	118
		Dibromofluoromethane	50	53.6	107	80	119
		Toluene-d8	50	51.1	102	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q1559-06	TT149S1-20250310	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
Q1559-07	RE125D3-20250310	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114
Q1559-07DL	RE125D3-20250310DL	1,2-Dichloroethane-d4	50	55.2	110	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	48.6	97	85	114
Q1559-08	DUP02-20250310	1,2-Dichloroethane-d4	50	55.8	112	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	55.1	110	85	114
Q1559-09	DUP03-20250310	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	52.3	105	80	119

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Surrogate Summary

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1559-09	DUP03-20250310	Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	55.7	111	85	114
Q1559-09DL	DUP03-20250310DL	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
Q1559-10	RW10-MW01D-20250311	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	54.3	109	85	114
Q1559-11	RW10-MW01S-20250311	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	54.1	108	85	114
Q1559-12	TT158S1-20250311	1,2-Dichloroethane-d4	50	54.6	109	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1559-13	TT158I1-20250311	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	55.1	110	85	114
Q1559-14	RW10A-MW01S-20250311	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	54.9	110	85	114
Q1559-15	RW10A-MW01I-20250311	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1559-16	RW4-RE137-20250311	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	53.4	107	85	114
Q1559-16DL	RW4-RE137-20250311DL	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114
Q1559-17	RE104D1-20250312	1,2-Dichloroethane-d4	50	53.8	108	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1559-18	TB	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1559-19	DUP05-20250312	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	54.9	110	85	114

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Surrogate Summary

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1559-20	RE120D1-20250312	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.7	107	85	114
Q1559-21	RE120D3-20250312	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	54.5	109	85	114
Q1559-21DL	RE120D3-20250312DL	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114
Q1559-22	RE120D2-20250312	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	54.8	110	85	114
Q1559-22DL	RE120D2-20250312DL	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114
VX0313WBL01	VX0313WBL01	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	54.9	110	85	114
VX0313WBS01	VX0313WBS01	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	53.9	108	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	54.4	109	85	114
VX0313WBSD0	VX0313WBSD01	1,2-Dichloroethane-d4	50	53.4	107	81	118
		Dibromofluoromethane	50	53.2	106	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	56.6	113	85	114
VX0318WBL01	VX0318WBL01	1,2-Dichloroethane-d4	50	56.3	113	81	118
		Dibromofluoromethane	50	54.0	108	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	52.2	104	85	114
VX0318WBS01	VX0318WBS01	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	54.1	108	85	114
VX0320WBL01	VX0320WBL01	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
VX0320WBS01	VX0320WBS01	1,2-Dichloroethane-d4	50	56.5	113	81	118
		Dibromofluoromethane	50	54.8	110	80	119
		Toluene-d8	50	53.3	107	89	112
		4-Bromofluorobenzene	50	55.7	111	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0313WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			32	152	
	Chloromethane	20	16.7	ug/L	84			50	139	
	Vinyl chloride	20	16.2	ug/L	81			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	19.8	ug/L	99			60	138	
	Trichlorofluoromethane	20	18.2	ug/L	91			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			70	136	
	1,1-Dichloroethene	20	17.8	ug/L	89			71	131	
	Acetone	100	97.9	ug/L	98			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	18.5	ug/L	93			71	124	
	Methyl Acetate	20	22.0	ug/L	110			56	136	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	18.1	ug/L	91			75	124	
	1,1-Dichloroethane	20	18.7	ug/L	94			77	125	
	Cyclohexane	20	18.4	ug/L	92			71	130	
	2-Butanone	100	98.2	ug/L	98			56	143	
	Carbon Tetrachloride	20	18.7	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			78	123	
	Bromochloromethane	20	21.3	ug/L	106			78	123	
	Chloroform	20	19.3	ug/L	97			79	124	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			74	131	
	Methylcyclohexane	20	19.3	ug/L	97			72	132	
	Benzene	20	18.6	ug/L	93			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	18.6	ug/L	93			79	123	
	1,2-Dichloropropane	20	19.3	ug/L	97			78	122	
	Bromodichloromethane	20	19.7	ug/L	99			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.7	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	19.6	ug/L	98			80	119	
	2-Hexanone	100	99.7	ug/L	100			57	139	
	Dibromochloromethane	20	19.3	ug/L	97			74	126	
	1,2-Dibromoethane	20	19.5	ug/L	98			77	121	
	Tetrachloroethene	20	19.3	ug/L	97			74	129	
	Chlorobenzene	20	19.2	ug/L	96			82	118	
	Ethyl Benzene	20	19.1	ug/L	96			79	121	
	m/p-Xylenes	40	39.1	ug/L	98			80	121	
	o-Xylene	20	19.0	ug/L	95			78	122	
	Styrene	20	19.9	ug/L	100			78	123	
	Bromoform	20	18.3	ug/L	92			66	130	
	Isopropylbenzene	20	20.0	ug/L	100			72	131	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0313WBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			62	128	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			69	130	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0313WBSD01	Dichlorodifluoromethane	20	17.9	ug/L	90	2		32	152	20
	Chloromethane	20	17.2	ug/L	86	2		50	139	20
	Vinyl chloride	20	15.6	ug/L	78	4		58	137	20
	Bromomethane	20	17.8	ug/L	89	2		53	141	20
	Chloroethane	20	20.0	ug/L	100	1		60	138	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	0		70	136	20
	1,1-Dichloroethene	20	17.5	ug/L	88	1		71	131	20
	Acetone	100	95.1	ug/L	95	3		39	160	20
	Carbon disulfide	20	15.2	ug/L	76	1		64	133	20
	Methyl tert-butyl Ether	20	18.7	ug/L	94	1		71	124	20
	Methyl Acetate	20	22.5	ug/L	113	3		56	136	20
	Methylene Chloride	20	18.1	ug/L	91	1		74	124	20
	trans-1,2-Dichloroethene	20	18.5	ug/L	93	2		75	124	20
	1,1-Dichloroethane	20	18.2	ug/L	91	3		77	125	20
	Cyclohexane	20	18.5	ug/L	93	1		71	130	20
	2-Butanone	100	98.7	ug/L	99	1		56	143	20
	Carbon Tetrachloride	20	19.3	ug/L	97	3		72	136	20
	cis-1,2-Dichloroethene	20	18.5	ug/L	93	1		78	123	20
	Bromochloromethane	20	21.4	ug/L	107	1		78	123	20
	Chloroform	20	18.9	ug/L	95	2		79	124	20
	1,1,1-Trichloroethane	20	18.6	ug/L	93	1		74	131	20
	Methylcyclohexane	20	19.6	ug/L	98	1		72	132	20
	Benzene	20	19.0	ug/L	95	2		79	120	20
	1,2-Dichloroethane	20	20.5	ug/L	103	4		73	128	20
	Trichloroethene	20	18.8	ug/L	94	1		79	123	20
	1,2-Dichloropropane	20	19.2	ug/L	96	1		78	122	20
	Bromodichloromethane	20	20.0	ug/L	100	1		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	19.7	ug/L	99	0		80	121	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	2		73	127	20
	cis-1,3-Dichloropropene	20	20.4	ug/L	102	5		75	124	20
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		80	119	20
	2-Hexanone	100	100	ug/L	100	0		57	139	20
	Dibromochloromethane	20	20.3	ug/L	102	5		74	126	20
	1,2-Dibromoethane	20	20.0	ug/L	100	2		77	121	20
	Tetrachloroethene	20	19.3	ug/L	97	0		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	1		82	118	20
	Ethyl Benzene	20	19.0	ug/L	95	1		79	121	20
	m/p-Xylenes	40	39.3	ug/L	98	0		80	121	20
	o-Xylene	20	19.4	ug/L	97	2		78	122	20
	Styrene	20	20.0	ug/L	100	0		78	123	20
	Bromoform	20	19.1	ug/L	96	4		66	130	20
	Isopropylbenzene	20	19.2	ug/L	96	4		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97	0		71	121	20
	1,3-Dichlorobenzene	20	19.1	ug/L	96	0		80	119	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	1		79	118	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	4		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0313WBSD01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	2		62	128	20
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95	7		69	130	20
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96	6		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045315.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0318WBS01	Dichlorodifluoromethane	20	18.6	ug/L	93			32	152	
	Chloromethane	20	16.7	ug/L	84			50	139	
	Vinyl chloride	20	15.9	ug/L	79			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	20.3	ug/L	102			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104			70	136	
	1,1-Dichloroethene	20	18.5	ug/L	93			71	131	
	Acetone	100	99.4	ug/L	99			39	160	
	Carbon disulfide	20	14.6	ug/L	73			64	133	
	Methyl tert-butyl Ether	20	19.8	ug/L	99			71	124	
	Methyl Acetate	20	24.5	ug/L	123			56	136	
	Methylene Chloride	20	18.8	ug/L	94			74	124	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	Cyclohexane	20	18.6	ug/L	93			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	19.7	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			78	123	
	Bromochloromethane	20	21.8	ug/L	109			78	123	
	Chloroform	20	20.5	ug/L	103			79	124	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			74	131	
	Methylcyclohexane	20	19.8	ug/L	99			72	132	
	Benzene	20	19.7	ug/L	99			79	120	
	1,2-Dichloroethane	20	21.3	ug/L	106			73	128	
	Trichloroethene	20	18.9	ug/L	95			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	20.6	ug/L	103			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.5	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	20.4	ug/L	102			73	127	
	cis-1,3-Dichloropropene	20	21.2	ug/L	106			75	124	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.3	ug/L	102			74	126	
	1,2-Dibromoethane	20	20.4	ug/L	102			77	121	
	Tetrachloroethene	20	20.0	ug/L	100			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	20.3	ug/L	102			79	121	
	m/p-Xylenes	40	41.2	ug/L	103			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.9	ug/L	104			78	123	
	Bromoform	20	20.0	ug/L	100			66	130	
	Isopropylbenzene	20	21.0	ug/L	105			72	131	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			71	121	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	20.5	ug/L	103			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045315.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0318WBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101			62	128	
	1,2,4-Trichlorobenzene	20	19.7	ug/L	99			69	130	
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045350.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	16.5	ug/L	83			58	137	
	Bromomethane	20	19.1	ug/L	96			53	141	
	Chloroethane	20	20.4	ug/L	102			60	138	
	Trichlorofluoromethane	20	19.1	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108			70	136	
	1,1-Dichloroethene	20	18.8	ug/L	94			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	15.2	ug/L	76			64	133	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			71	124	
	Methyl Acetate	20	26.3	ug/L	132			56	136	
	Methylene Chloride	20	19.6	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			75	124	
	1,1-Dichloroethane	20	20.0	ug/L	100			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	21.1	ug/L	106			72	136	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			78	123	
	Bromochloromethane	20	18.6	ug/L	93			78	123	
	Chloroform	20	21.2	ug/L	106			79	124	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			74	131	
	Methylcyclohexane	20	19.7	ug/L	99			72	132	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	22.2	ug/L	111			73	128	
	Trichloroethene	20	19.5	ug/L	98			79	123	
	1,2-Dichloropropane	20	20.6	ug/L	103			78	122	
	Bromodichloromethane	20	21.2	ug/L	106			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.2	ug/L	106			75	124	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.4	ug/L	107			74	126	
	1,2-Dibromoethane	20	21.4	ug/L	107			77	121	
	Tetrachloroethene	20	20.4	ug/L	102			74	129	
	Chlorobenzene	20	20.4	ug/L	102			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	42.2	ug/L	106			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.9	ug/L	104			78	123	
	Bromoform	20	20.6	ug/L	103			66	130	
	Isopropylbenzene	20	21.7	ug/L	109			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	20.9	ug/L	104			80	119	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			79	118	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1559

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045350.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			62	128	
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			69	130	
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0313WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045259.D Lab Sample ID: VX0313WBL01

Date Analyzed: 03/13/2025 Time Analyzed: 11:15

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
VX0313WBS01	VX0313WBS01	VX045260.D	03/13/2025
VX0313WBSD01	VX0313WBSD01	VX045261.D	03/13/2025
RE115D2-20250310	Q1559-02	VX045262.D	03/13/2025
TB	Q1559-18	VX045267.D	03/13/2025
RE115D1-20250310	Q1559-01	VX045268.D	03/13/2025
RE134D3-20250310	Q1559-04	VX045270.D	03/13/2025
RE134D4-20250310	Q1559-05	VX045271.D	03/13/2025
RE125D3-20250310	Q1559-07	VX045273.D	03/13/2025
RW10-MW01D-20250311	Q1559-10	VX045274.D	03/13/2025
RW10-MW01S-20250311	Q1559-11	VX045275.D	03/13/2025
TT158S1-20250311	Q1559-12	VX045276.D	03/13/2025
TT158I1-20250311	Q1559-13	VX045277.D	03/13/2025
RW10A-MW01S-20250311	Q1559-14	VX045278.D	03/13/2025
RW10A-MW01I-20250311	Q1559-15	VX045279.D	03/13/2025
RW4-RE137-20250311	Q1559-16	VX045280.D	03/13/2025
RE104D1-20250312	Q1559-17	VX045281.D	03/13/2025
RE120D1-20250312	Q1559-20	VX045282.D	03/13/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0318WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045314.D Lab Sample ID: VX0318WBL01

Date Analyzed: 03/18/2025 Time Analyzed: 10:53

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
VX0318WBS01	VX0318WBS01	VX045315.D	03/18/2025
RE125D3-20250310DL	Q1559-07DL	VX045317.D	03/18/2025
RE115D1-20250310DL	Q1559-01DL	VX045318.D	03/18/2025
RE134D4-20250310DL	Q1559-05DL	VX045319.D	03/18/2025
RW4-RE137-20250311DL	Q1559-16DL	VX045320.D	03/18/2025
RE134D3-20250310DL	Q1559-04DL	VX045321.D	03/18/2025
RE134D1-20250310	Q1559-03	VX045322.D	03/18/2025
TT149S1-20250310	Q1559-06	VX045323.D	03/18/2025
RE120D3-20250312	Q1559-21	VX045329.D	03/18/2025
RE120D2-20250312	Q1559-22	VX045330.D	03/18/2025
DUP03-20250310	Q1559-09	VX045332.D	03/18/2025
DUP05-20250312	Q1559-19	VX045333.D	03/18/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0320WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045349.D Lab Sample ID: VX0320WBL01

Date Analyzed: 03/20/2025 Time Analyzed: 10:29

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
VX0320WBS01	VX0320WBS01	VX045350.D	03/20/2025
DUP03-20250310DL	Q1559-09DL	VX045352.D	03/20/2025
RE120D2-20250312DL	Q1559-22DL	VX045353.D	03/20/2025
RE120D3-20250312DL	Q1559-21DL	VX045354.D	03/20/2025
DUP02-20250310	Q1559-08	VX045356.D	03/20/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045067.D BFB Injection Date: 02/28/2025

Instrument ID: MSVOA_X BFB Injection Time: 01:03

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	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDICC001	VSTDICC001	VX045068.D	02/28/2025	01:27
VSTDICC005	VSTDICC005	VX045069.D	02/28/2025	02:13
VSTDICC020	VSTDICC020	VX045070.D	02/28/2025	02:37
VSTDICCC050	VSTDICCC050	VX045071.D	02/28/2025	03:00
VSTDICC100	VSTDICC100	VX045072.D	02/28/2025	03:23
VSTDICC150	VSTDICC150	VX045073.D	02/28/2025	03:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045256.D BFB Injection Date: 03/13/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:56

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	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71.4 (95.7) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045257.D	03/13/2025	10:24
VX0313WBL01	VX0313WBL01	VX045259.D	03/13/2025	11:15
VX0313WBS01	VX0313WBS01	VX045260.D	03/13/2025	11:38
VX0313WBSD01	VX0313WBSD01	VX045261.D	03/13/2025	12:04
RE115D2-20250310	Q1559-02	VX045262.D	03/13/2025	12:27
TB	Q1559-18	VX045267.D	03/13/2025	14:23
RE115D1-20250310	Q1559-01	VX045268.D	03/13/2025	14:47
RE134D3-20250310	Q1559-04	VX045270.D	03/13/2025	15:33
RE134D4-20250310	Q1559-05	VX045271.D	03/13/2025	15:56
RE125D3-20250310	Q1559-07	VX045273.D	03/13/2025	16:43
RW10-MW01D-20250311	Q1559-10	VX045274.D	03/13/2025	17:06
RW10-MW01S-20250311	Q1559-11	VX045275.D	03/13/2025	17:29
TT158S1-20250311	Q1559-12	VX045276.D	03/13/2025	17:52
TT158I1-20250311	Q1559-13	VX045277.D	03/13/2025	18:15
RW10A-MW01S-20250311	Q1559-14	VX045278.D	03/13/2025	18:39
RW10A-MW01I-20250311	Q1559-15	VX045279.D	03/13/2025	19:02
RW4-RE137-20250311	Q1559-16	VX045280.D	03/13/2025	19:25
RE104D1-20250312	Q1559-17	VX045281.D	03/13/2025	19:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045256.D BFB Injection Date: 03/13/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:56

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	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71.4 (95.7) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
RE120D1-20250312	Q1559-20	VX045282.D	03/13/2025	20:12
VSTDCCC050EC	VSTDCCC050	VX045283.D	03/13/2025	20:35

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045311.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:33

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	22.5
75	30.0 - 60.0% of mass 95	54.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.3
175	5.0 - 9.0% of mass 174	5.5 (7.9) 1
176	95.0 - 101.0% of mass 174	67.9 (96.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045312.D	03/18/2025	10:02
VX0318WBL01	VX0318WBL01	VX045314.D	03/18/2025	10:53
VX0318WBS01	VX0318WBS01	VX045315.D	03/18/2025	11:16
RE125D3-20250310DL	Q1559-07DL	VX045317.D	03/18/2025	12:07
RE115D1-20250310DL	Q1559-01DL	VX045318.D	03/18/2025	12:30
RE134D4-20250310DL	Q1559-05DL	VX045319.D	03/18/2025	12:54
RW4-RE137-20250311DL	Q1559-16DL	VX045320.D	03/18/2025	13:17
RE134D3-20250310DL	Q1559-04DL	VX045321.D	03/18/2025	13:41
RE134D1-20250310	Q1559-03	VX045322.D	03/18/2025	14:04
TT149S1-20250310	Q1559-06	VX045323.D	03/18/2025	14:27
RE120D3-20250312	Q1559-21	VX045329.D	03/18/2025	16:47
RE120D2-20250312	Q1559-22	VX045330.D	03/18/2025	17:10
DUP03-20250310	Q1559-09	VX045332.D	03/18/2025	17:57
DUP05-20250312	Q1559-19	VX045333.D	03/18/2025	18:20
VSTDCCC050EC	VSTDCCC050	VX045338.D	03/18/2025	20:16

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045346.D BFB Injection Date: 03/20/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:09

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
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	68.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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	VX045347.D	03/20/2025	09:38
VX0320WBL01	VX0320WBL01	VX045349.D	03/20/2025	10:29
VX0320WBS01	VX0320WBS01	VX045350.D	03/20/2025	10:53
DUP03-20250310DL	Q1559-09DL	VX045352.D	03/20/2025	11:44
RE120D2-20250312DL	Q1559-22DL	VX045353.D	03/20/2025	12:07
RE120D3-20250312DL	Q1559-21DL	VX045354.D	03/20/2025	12:30
DUP02-20250310	Q1559-08	VX045356.D	03/20/2025	13:17
VSTDCCC050EC	VSTDCCC050	VX045373.D	03/20/2025	19:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045257.D Date Analyzed: 03/13/2025

Instrument ID: MSVOA_X Time Analyzed: 10:24

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	92968	5.54	162999	6.76	140183	10.05
UPPER LIMIT	185936	6.044	325998	7.257	280366	10.549
LOWER LIMIT	46484	5.044	81499.5	6.257	70091.5	9.549
EPA SAMPLE NO.						
RE115D1-20250310	68915	5.55	136302	6.76	126125	10.05
RE115D2-20250310	67039	5.55	131183	6.76	120316	10.06
RE134D3-20250310	71598	5.55	141729	6.76	129088	10.05
RE134D4-20250310	66430	5.55	130303	6.76	122058	10.06
RE125D3-20250310	69221	5.54	137405	6.76	125442	10.05
RW10-MW01D-20250311	64220	5.54	125900	6.76	116990	10.05
RW10-MW01S-20250311	68205	5.54	136636	6.76	127965	10.05
TT158S1-20250311	70011	5.54	136273	6.76	123646	10.06
TT158I1-20250311	67080	5.54	129858	6.76	122457	10.05
RW10A-MW01S-20250311	68309	5.55	134633	6.76	125955	10.05
RW10A-MW01I-20250311	62583	5.55	123612	6.76	112694	10.06
RW4-RE137-20250311	65951	5.55	131523	6.76	119805	10.05
RE104D1-20250312	71280	5.55	137818	6.76	125719	10.06
TB	67458	5.55	133158	6.76	121095	10.06
RE120D1-20250312	64110	5.54	125932	6.76	116455	10.06
VX0313WBL01	67746	5.54	133586	6.76	123621	10.06
VX0313WBS01	97410	5.55	174469	6.76	153760	10.06
VX0313WBSD01	90235	5.55	159386	6.76	144055	10.05

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045257.D Date Analyzed: 03/13/2025

Instrument ID: MSVOA_X Time Analyzed: 10:24

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	92968	5.54	162999	6.76	140183	10.05
UPPER LIMIT	185936	6.044	325998	7.257	280366	10.549
LOWER LIMIT	46484	5.044	81499.5	6.257	70091.5	9.549
EPA SAMPLE NO.						

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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045257.D Date Analyzed: 03/13/2025

Instrument ID: MSVOA_X Time Analyzed: 10:24

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

	IS4 AREA #	RT #				
12 HOUR STD	66961	12.018				
UPPER LIMIT	133922	12.518				
LOWER LIMIT	33480.5	11.518				
EPA SAMPLE NO.						
RE115D1-20250310	51157	12.02				
RE115D2-20250310	49080	12.02				
RE134D3-20250310	55430	12.02				
RE134D4-20250310	52853	12.02				
RE125D3-20250310	54042	12.02				
RW10-MW01D-20250311	47072	12.02				
RW10-MW01S-20250311	52163	12.02				
TT158S1-20250311	50668	12.02				
TT158I1-20250311	51296	12.02				
RW10A-MW01S-20250311	54627	12.02				
RW10A-MW01I-20250311	46139	12.02				
RW4-RE137-20250311	51347	12.02				
RE104D1-20250312	51927	12.02				
TB	50304	12.02				
RE120D1-20250312	49199	12.02				
VX0313WBL01	51498	12.02				
VX0313WBS01	68175	12.02				
VX0313WBSD01	65608	12.02				

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045257.D Date Analyzed: 03/13/2025

Instrument ID: MSVOA_X Time Analyzed: 10:24

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

	IS4 AREA #	RT #				
12 HOUR STD	66961	12.018				
UPPER LIMIT	133922	12.518				
LOWER LIMIT	33480.5	11.518				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045312.D Date Analyzed: 03/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:02

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	99818	5.54	175808	6.76	151375	10.05
UPPER LIMIT	199636	6.044	351616	7.257	302750	10.549
LOWER LIMIT	49909	5.044	87904	6.257	75687.5	9.549
EPA SAMPLE NO.						
RE115D1-20250310DL	71358	5.55	141612	6.76	127488	10.06
RE134D1-20250310	67300	5.55	129370	6.76	119707	10.05
RE134D3-20250310DL	70052	5.55	141111	6.76	127887	10.06
RE134D4-20250310DL	80996	5.54	154368	6.76	135348	10.05
TT149S1-20250310	68678	5.55	132613	6.76	121917	10.06
RE125D3-20250310DL	62771	5.55	122918	6.76	106951	10.06
DUP03-20250310	68641	5.54	133905	6.76	125891	10.05
RW4-RE137-20250311DL	81795	5.54	159990	6.76	143282	10.06
DUP05-20250312	67809	5.54	134986	6.76	124517	10.05
RE120D3-20250312	80658	5.54	155733	6.76	140928	10.05
RE120D2-20250312	68067	5.54	134006	6.76	123016	10.05
VX0318WBL01	66984	5.54	130552	6.76	117786	10.05
VX0318WBS01	101216	5.55	179978	6.76	159085	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045312.D Date Analyzed: 03/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:02

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

	IS4 AREA #	RT #				
12 HOUR STD	71356	12.018				
UPPER LIMIT	142712	12.518				
LOWER LIMIT	35678	11.518				
EPA SAMPLE NO.						
RE115D1-20250310DL	50596	12.02				
RE134D1-20250310	47647	12.02				
RE134D3-20250310DL	50569	12.02				
RE134D4-20250310DL	52193	12.02				
TT149S1-20250310	44828	12.02				
RE125D3-20250310DL	39752	12.02				
DUP03-20250310	51700	12.02				
RW4-RE137-20250311DL	57402	12.02				
DUP05-20250312	53305	12.02				
RE120D3-20250312	58620	12.02				
RE120D2-20250312	50819	12.02				
VX0318WBL01	46358	12.02				
VX0318WBS01	70581	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045347.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:38

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	94097	5.54	160941	6.75	139446	10.05
UPPER LIMIT	188194	6.044	321882	7.251	278892	10.549
LOWER LIMIT	47048.5	5.044	80470.5	6.251	69723	9.549
EPA SAMPLE NO.						
DUP02-20250310	67663	5.55	132656	6.76	121785	10.06
DUP03-20250310DL	67584	5.54	133155	6.76	118349	10.06
RE120D3-20250312DL	71455	5.55	139830	6.76	126173	10.05
RE120D2-20250312DL	72808	5.54	141715	6.76	127752	10.06
VX0320WBL01	67796	5.54	133500	6.76	121748	10.05
VX0320WBS01	94337	5.55	168482	6.76	149499	10.06

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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG NO.: Q1559

Lab File ID: VX045347.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:38

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

	IS4 AREA #	RT #				
12 HOUR STD	64140	12.018				
UPPER LIMIT	128280	12.518				
LOWER LIMIT	32070	11.518				
EPA SAMPLE NO.						
DUP02-20250310	51206	12.02				
DUP03-20250310DL	45287	12.02				
RE120D3-20250312DL	53223	12.02				
RE120D2-20250312DL	48615	12.02				
VX0320WBL01	47437	12.02				
VX0320WBS01	65210	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-01	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
VX045268.D	1		03/13/25 14:47	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.30		0.22	0.50	1.00	ug/L
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	33.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	12.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.10	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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	1.70		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	3.60		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	2.10		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	540	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-01	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
VX045268.D	1		03/13/25 14:47	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	1.20		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68900	5.55				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.018				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-01	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
VX045268.D	1		03/13/25 14:47	VX031325

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\VX031325\
Data File : VX045268.D
Acq On : 13 Mar 2025 14:47
Operator : JC/MD
Sample : Q1559-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Quant Time: Mar 14 12:28:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

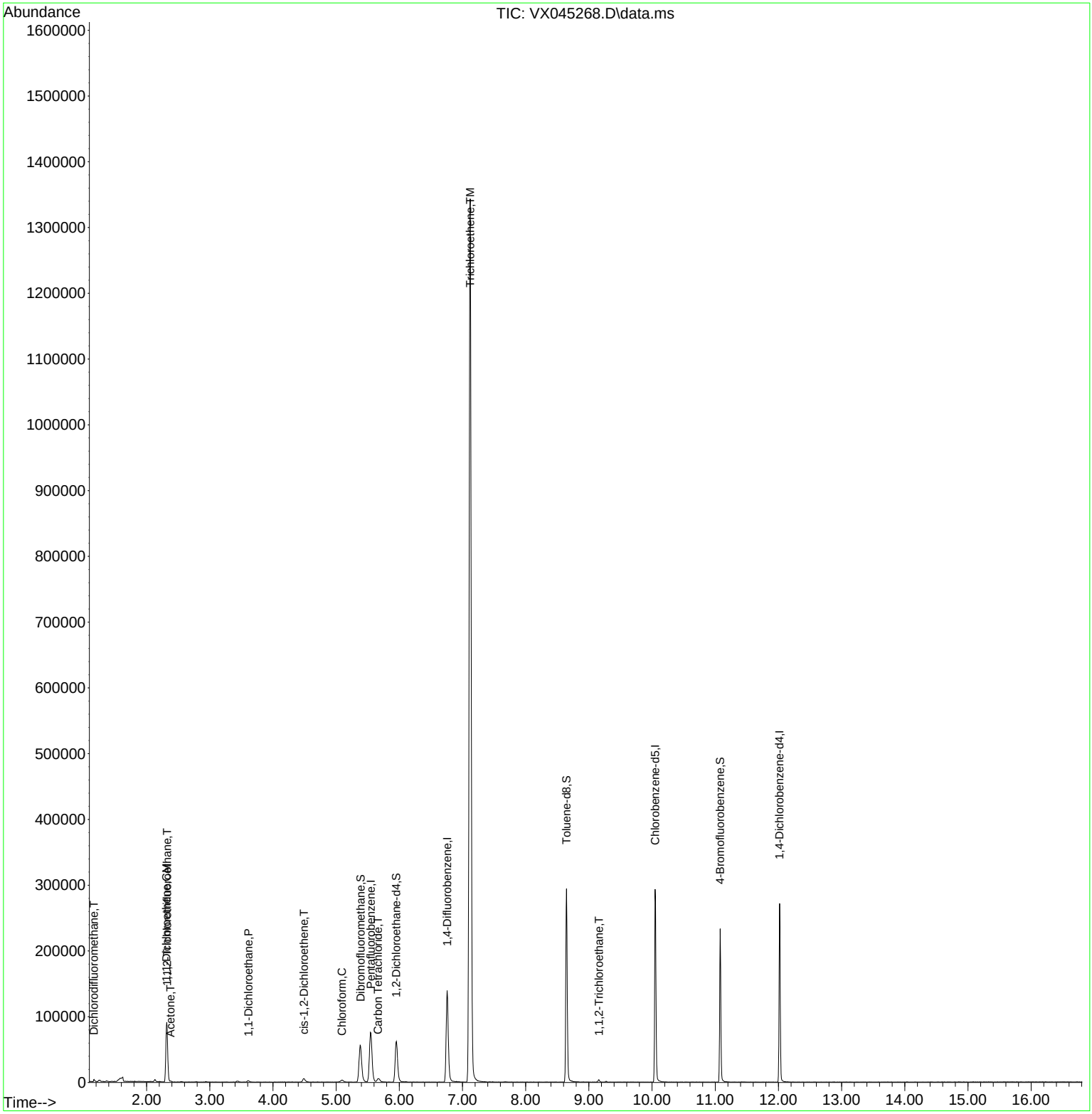
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	68915	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	136302	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	126125	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51157	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	59825	54.575	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.160%				
35) Dibromofluoromethane	5.385	113	48791	53.533	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.060%				
50) Toluene-d8	8.647	98	169613	51.333	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%				
62) 4-Bromofluorobenzene	11.079	95	58569	53.492	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.980%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1959	2.258	ug/l		93
9) 1,1,2-Trichlorotrifluo...	2.325	101	26617	33.231	ug/l		98
12) 1,1-Dichloroethene	2.313	96	10780	12.730	ug/l		96
16) Acetone	2.380	43	1087	2.137	ug/l		92
24) 1,1-Dichloroethane	3.611	63	2848	1.658	ug/l	#	95
27) cis-1,2-Dichloroethene	4.489	96	3543	3.431	ug/l		93
30) Chloroform	5.093	83	3627	2.125	ug/l		98
38) Carbon Tetrachloride	5.660	117	4609	3.632	ug/l		86
44) Trichloroethene	7.123	130	502161	541.835	ug/l		99
55) 1,1,2-Trichloroethane	9.159	97	1119	1.174	ug/l	#	88

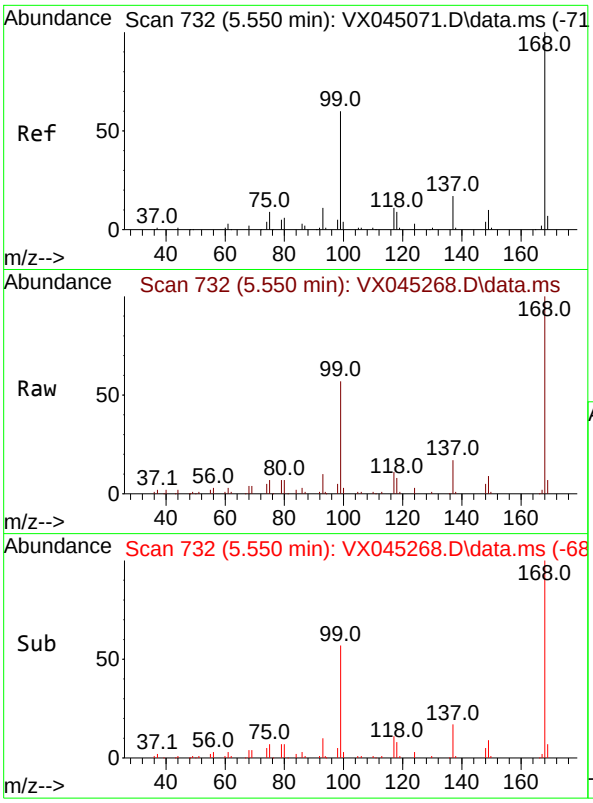
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045268.D
Acq On : 13 Mar 2025 14:47
Operator : JC/MD
Sample : Q1559-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Quant Time: Mar 14 12:28:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



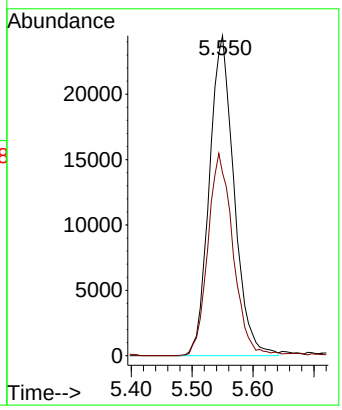


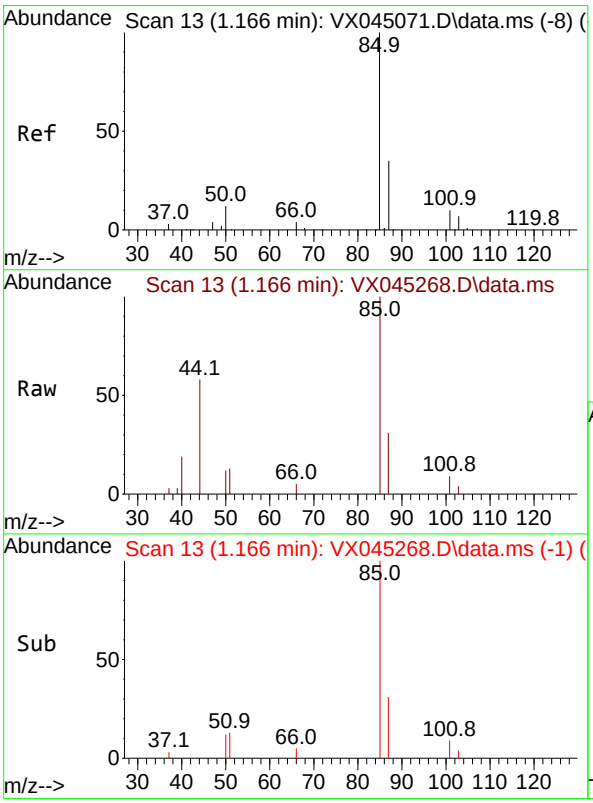
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion:168 Resp: 68915

Ion	Ratio	Lower	Upper
168	100		
99	57.1	48.2	72.4

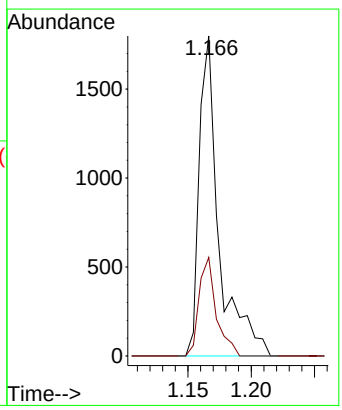


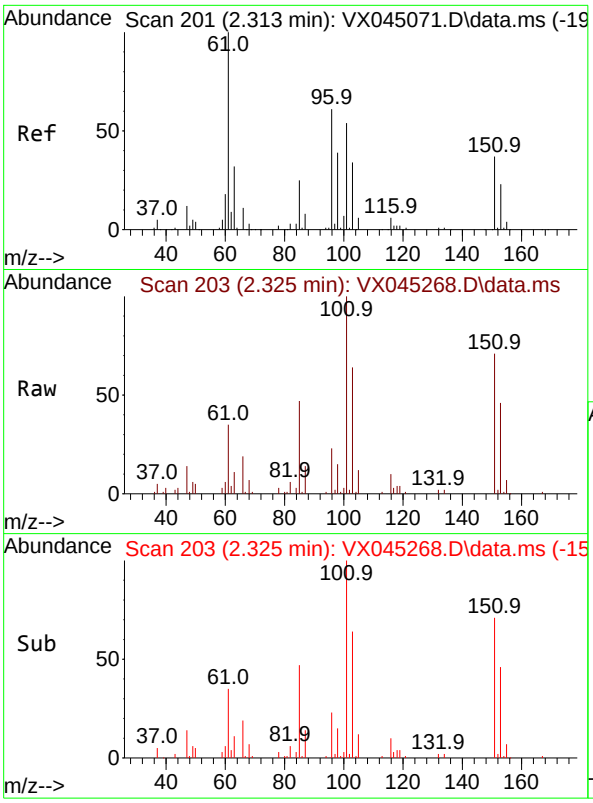


#2
Dichlorodifluoromethane
Concen: 2.258 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 85 Resp: 1959

Ion	Ratio	Lower	Upper
85	100		
87	30.8	17.4	52.3



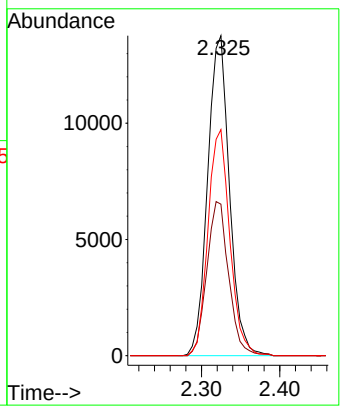


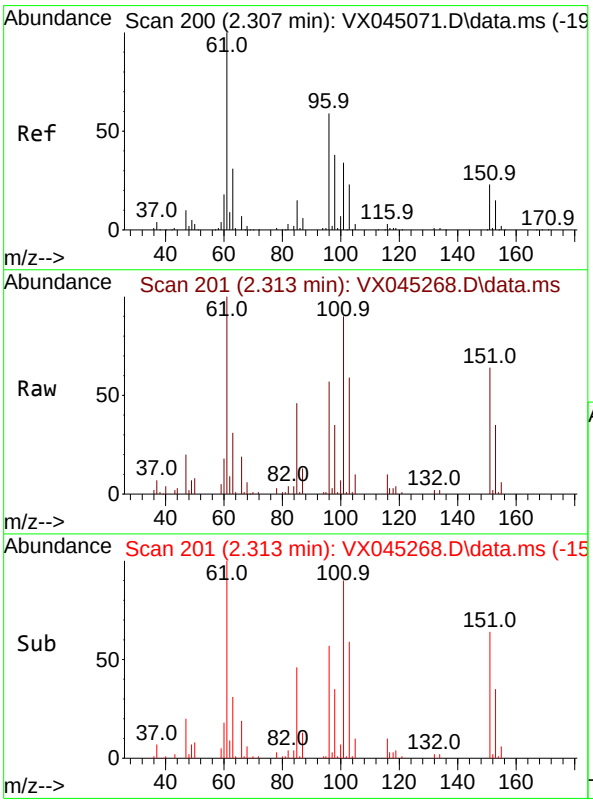
#9
1,1,2-Trichlorotrifluoroethane
Concen: 33.231 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion:101 Resp: 26617

Ion	Ratio	Lower	Upper
101	100		
85	48.3	36.2	54.4
151	70.8	56.4	84.6

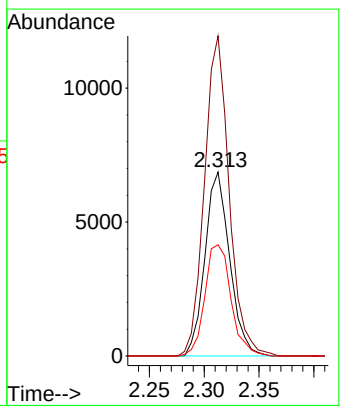


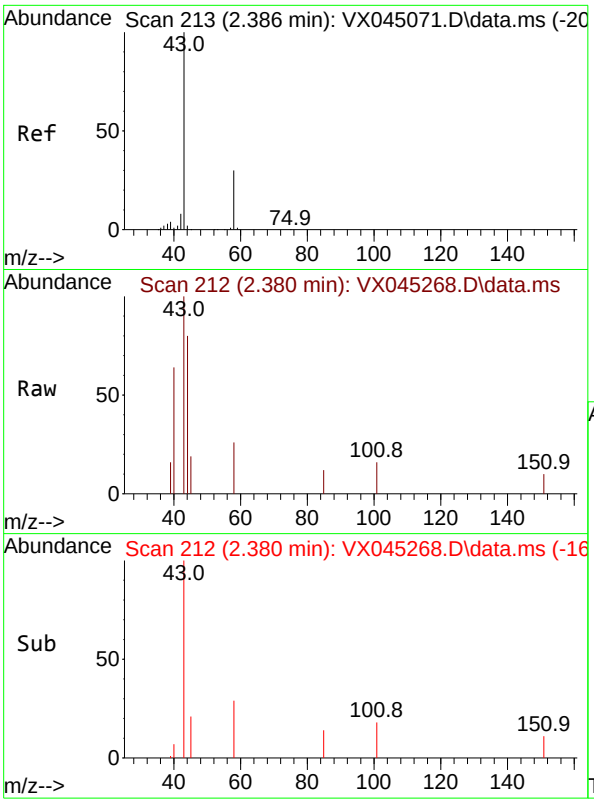


#12
1,1-Dichloroethene
Concen: 12.730 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 96 Resp: 10780

Ion	Ratio	Lower	Upper
96	100		
61	174.1	134.6	202.0
98	60.5	51.0	76.6



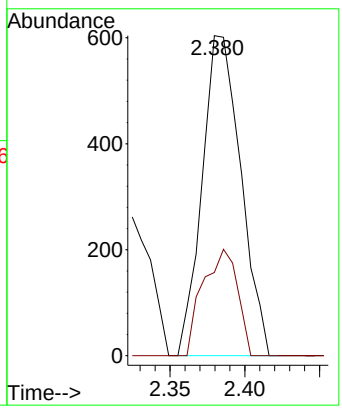


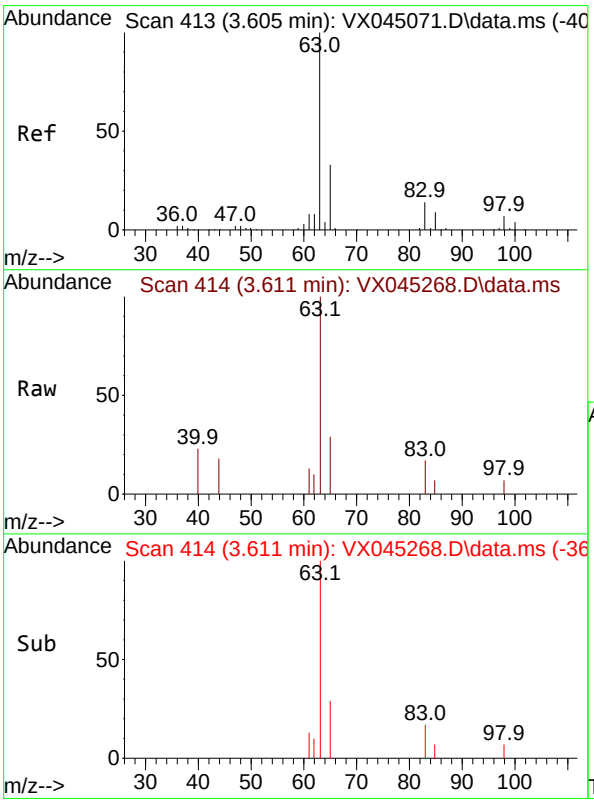
#16
Acetone
Concen: 2.137 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion: 43 Resp: 1087

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.2	36.4

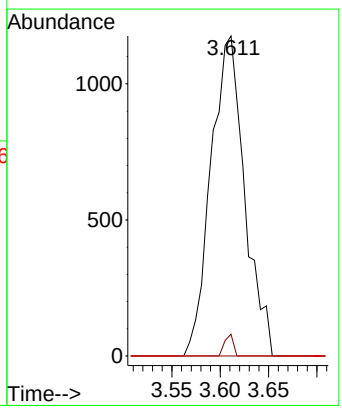


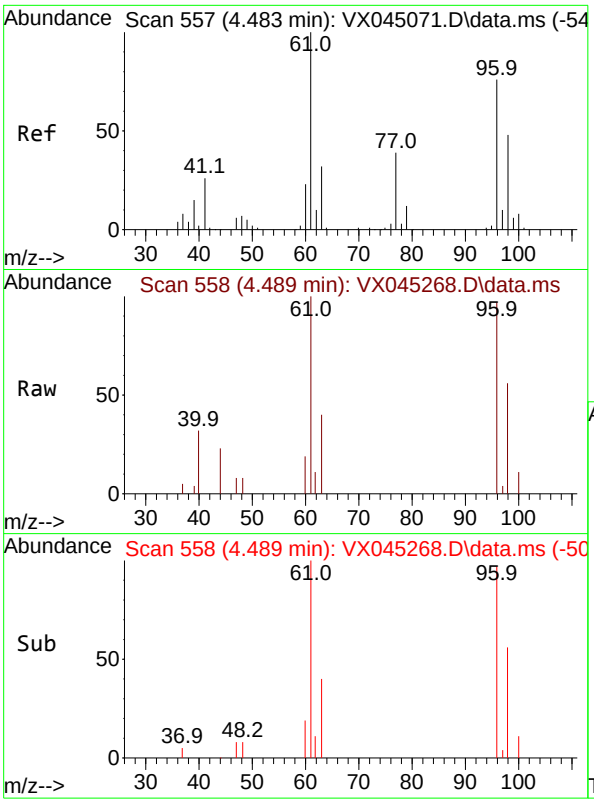


#24
1,1-Dichloroethane
Concen: 1.658 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 63 Resp: 2848

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	0.0	2.1	6.5#



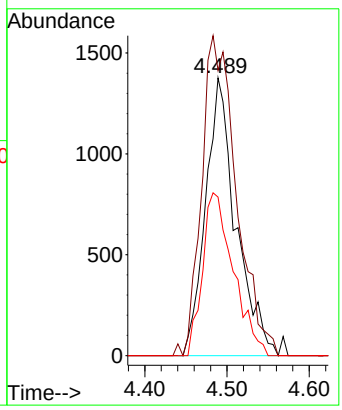


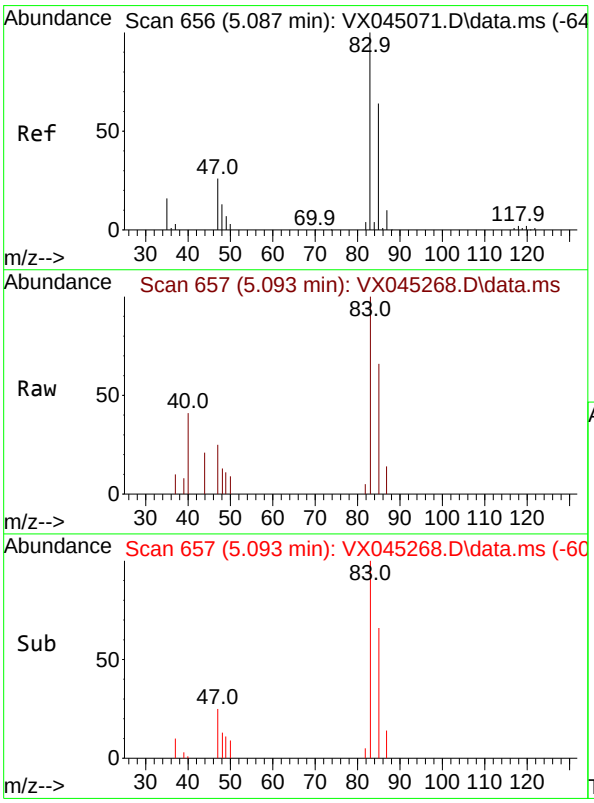
#27
cis-1,2-Dichloroethene
Concen: 3.431 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion: 96 Resp: 3543

Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	283.2
98	59.3	0.0	128.0

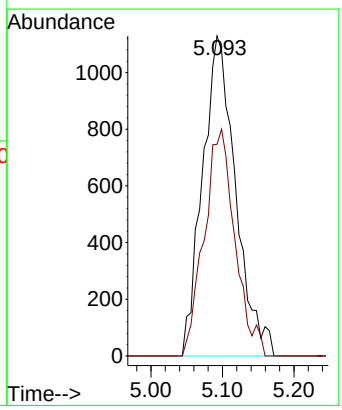


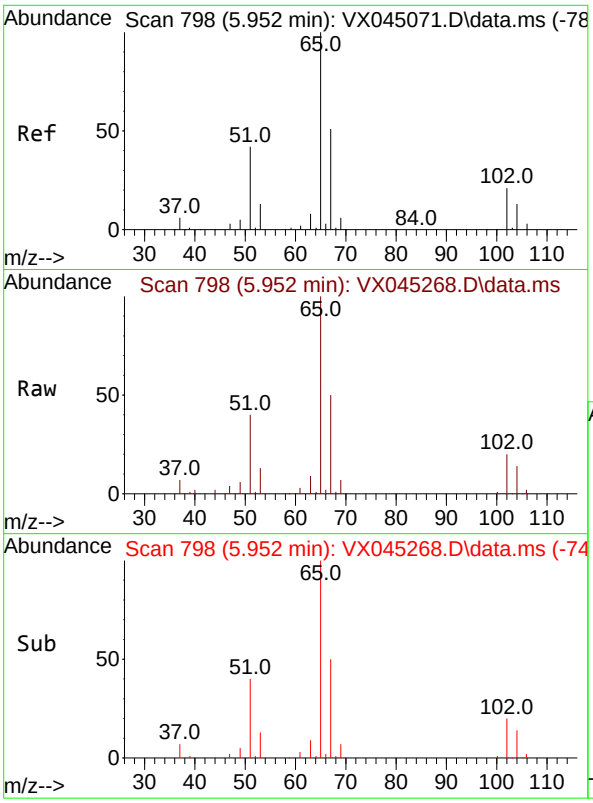


#30
Chloroform
Concen: 2.125 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 83 Resp: 3627

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2



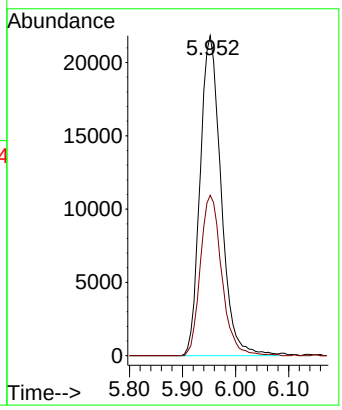


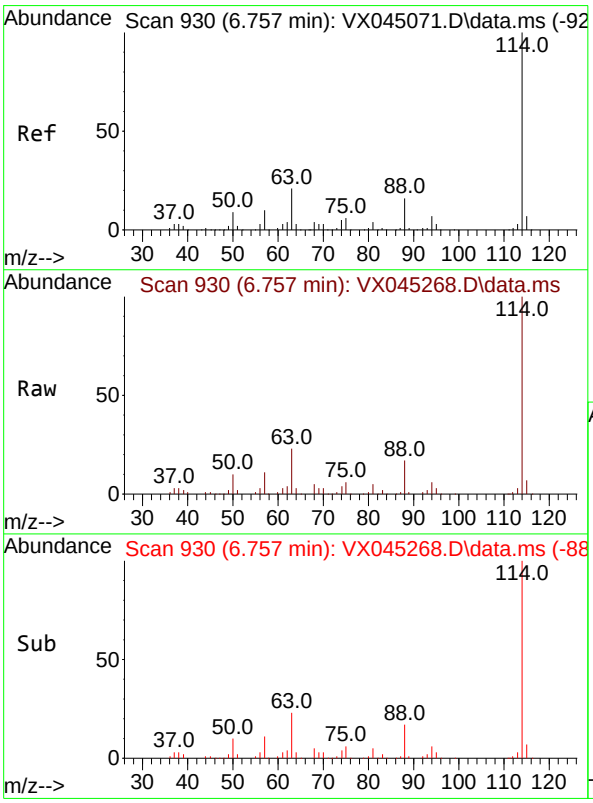
#33
1,2-Dichloroethane-d4
Concen: 54.575 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion: 65 Resp: 59825

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

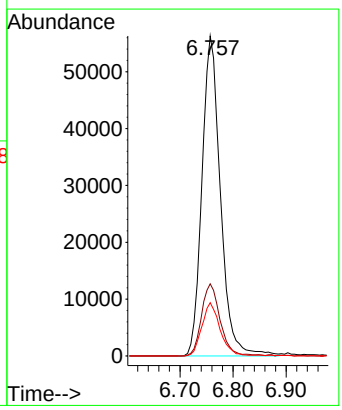


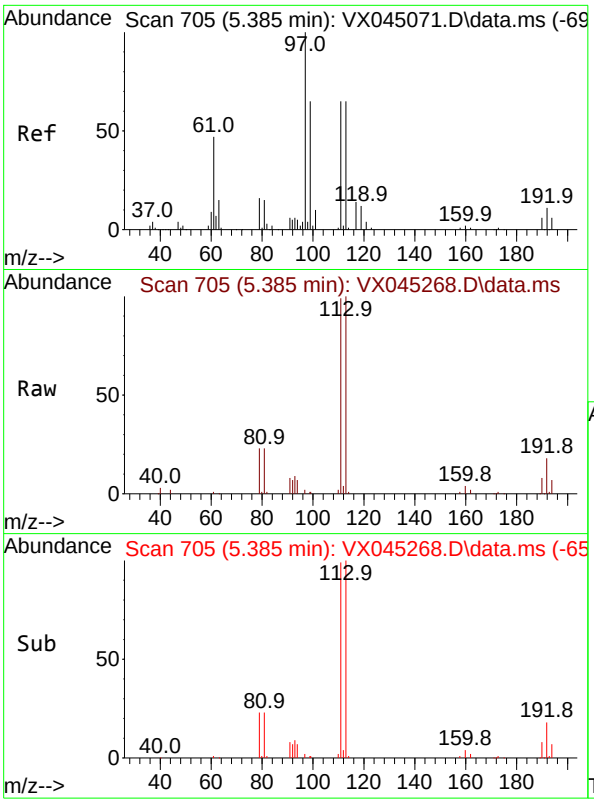


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion:114 Resp: 136302

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.7	0.0	32.8



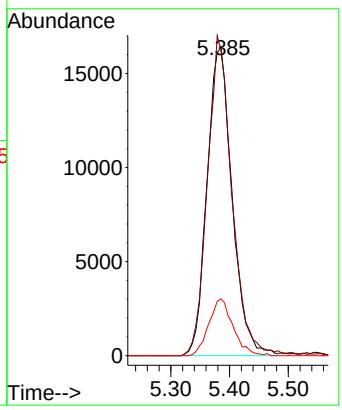


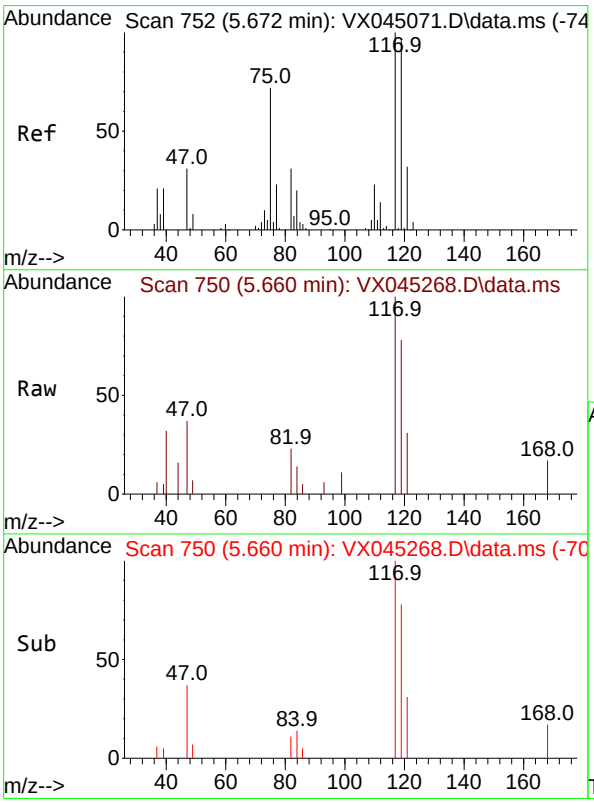
#35
Dibromofluoromethane
Concen: 53.533 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion:113 Resp: 48791

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.6
192	17.8	14.3	21.5

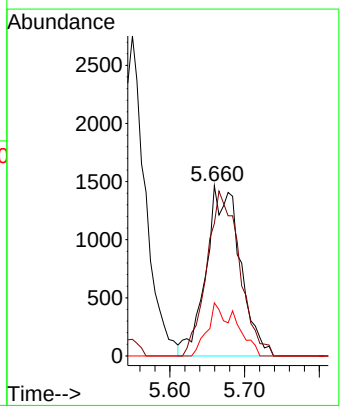


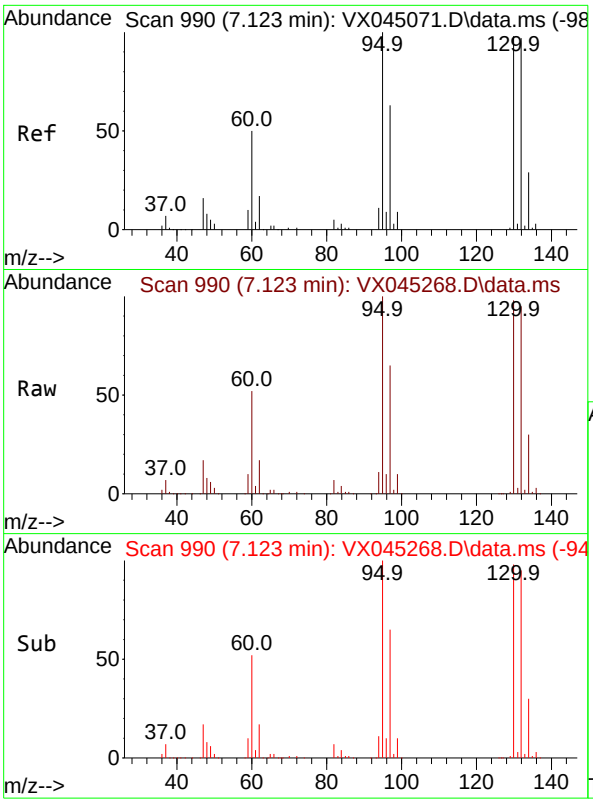


#38
Carbon Tetrachloride
Concen: 3.632 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion:117 Resp: 4609

Ion	Ratio	Lower	Upper
117	100		
119	77.8	76.7	115.1
121	31.2	25.5	38.3



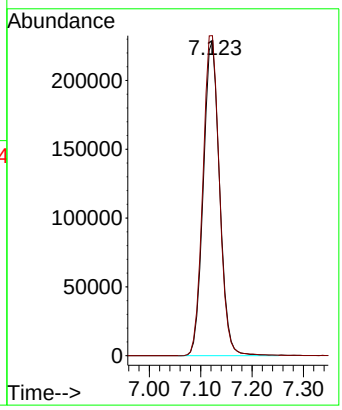


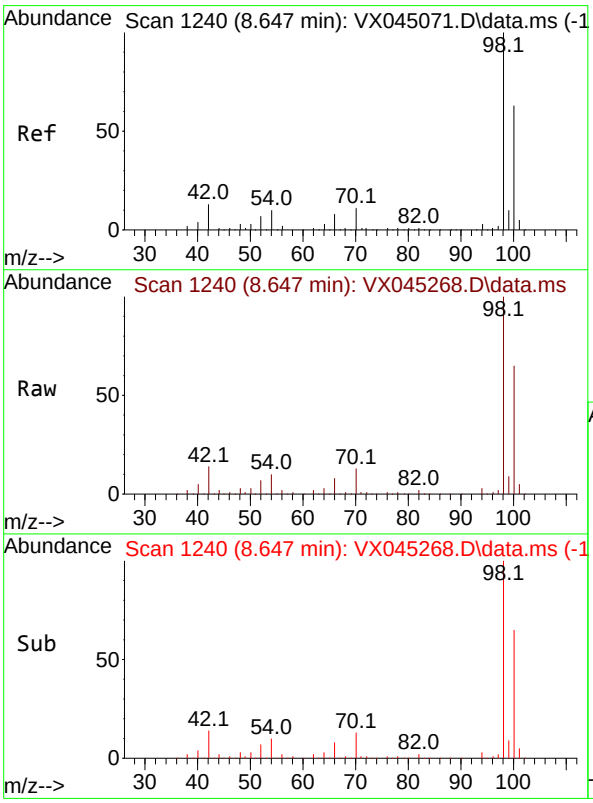
#44
Trichloroethene
Concen: 541.835 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion:130 Resp: 502161

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	205.0

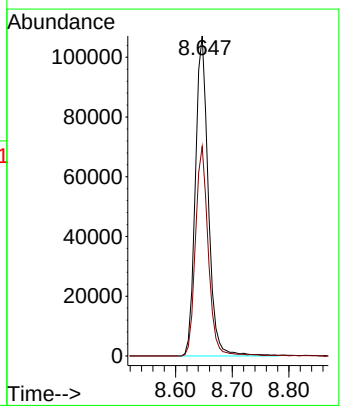


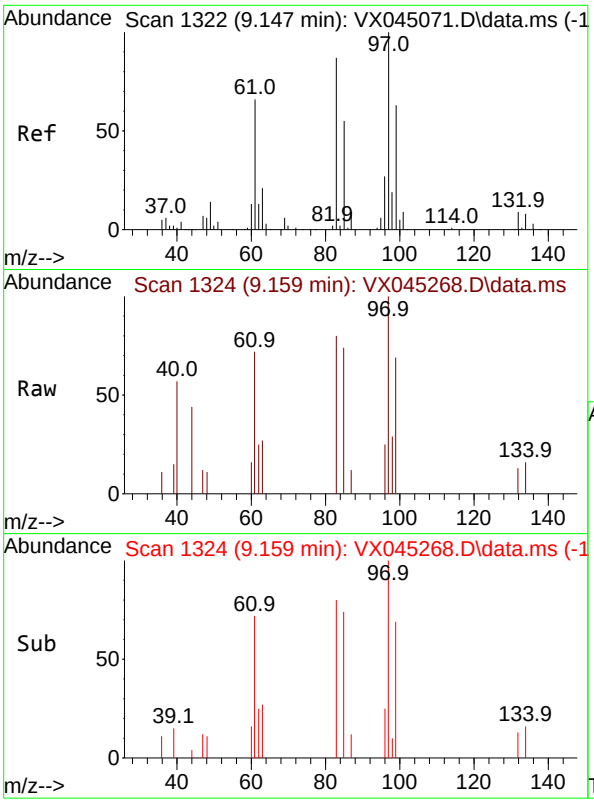


#50
Toluene-d8
Concen: 51.333 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 98 Resp: 169613

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



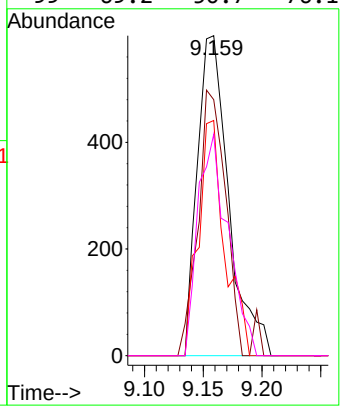


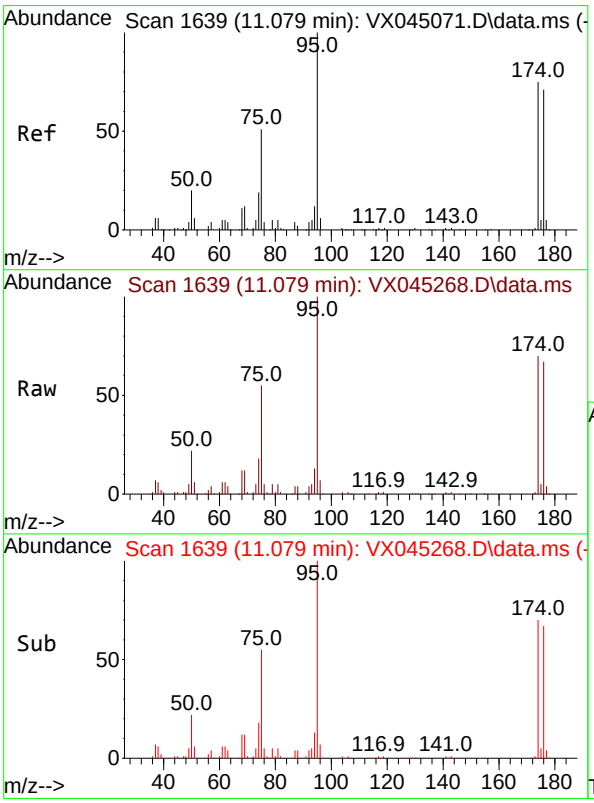
#55
1,1,2-Trichloroethane
Concen: 1.174 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion: 97 Resp: 1119

Ion	Ratio	Lower	Upper
97	100		
83	80.0	69.4	104.2
85	73.5	44.1	66.1#
99	69.2	50.7	76.1

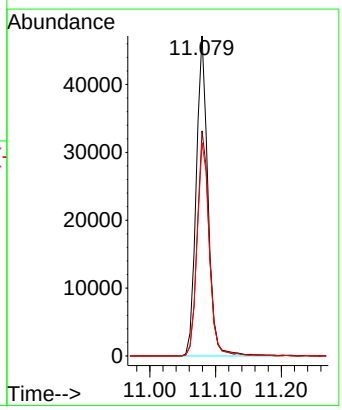


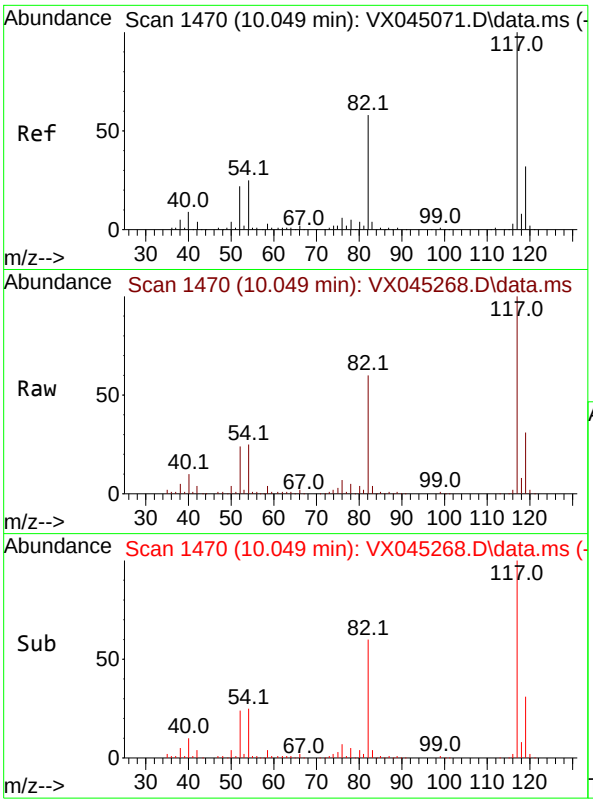


#62
4-Bromofluorobenzene
Concen: 53.492 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion: 95 Resp: 58569

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.2
176	69.4	0.0	141.4



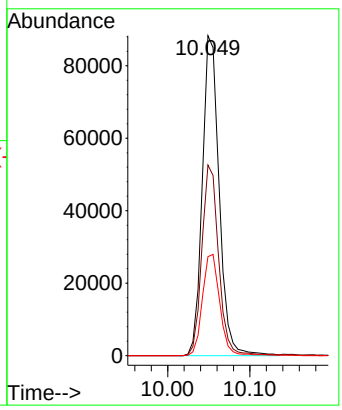


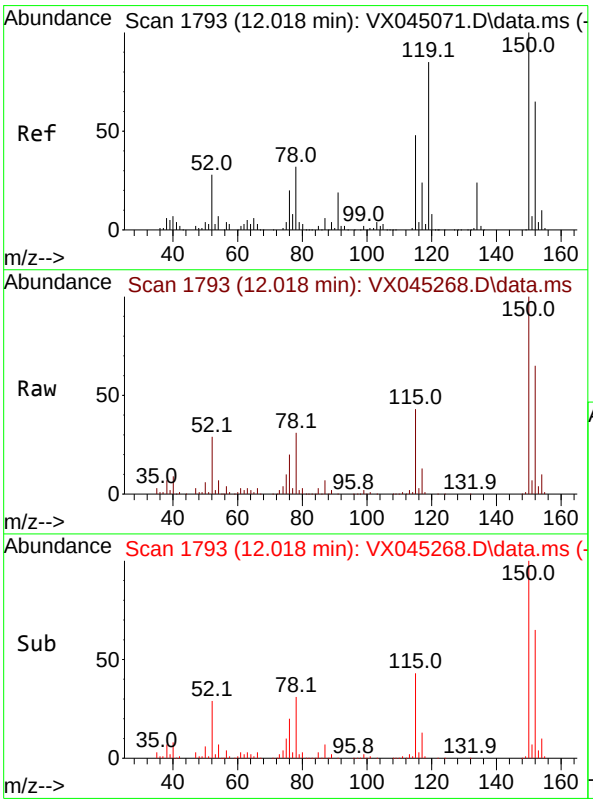
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310

Tgt Ion:117 Resp: 126125

Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.3	69.5
119	30.9	25.7	38.5

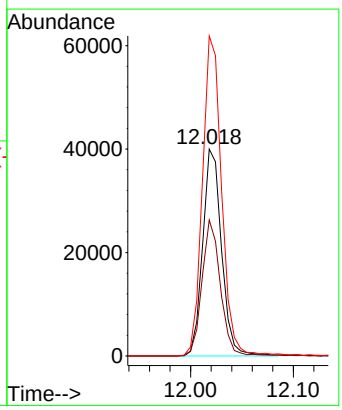




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045268.D
Acq: 13 Mar 2025 14:47

Tgt Ion:152 Resp: 51157

Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.2	132.6
150	157.8	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-01DL	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
VX045318.D	10		03/18/25 12:30	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
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	45.4	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	12.0	D	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
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	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
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	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
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	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	510	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-01DL	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
VX045318.D	10		03/18/25 12:30	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	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
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71400	5.55				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	127000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50600	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D1-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-01DL	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
VX045318.D	10		03/18/25 12:30	VX031825

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\VX031825\
Data File : VX045318.D
Acq On : 18 Mar 2025 12:30
Operator : JC/MD
Sample : Q1559-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Quant Time: Mar 19 01:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

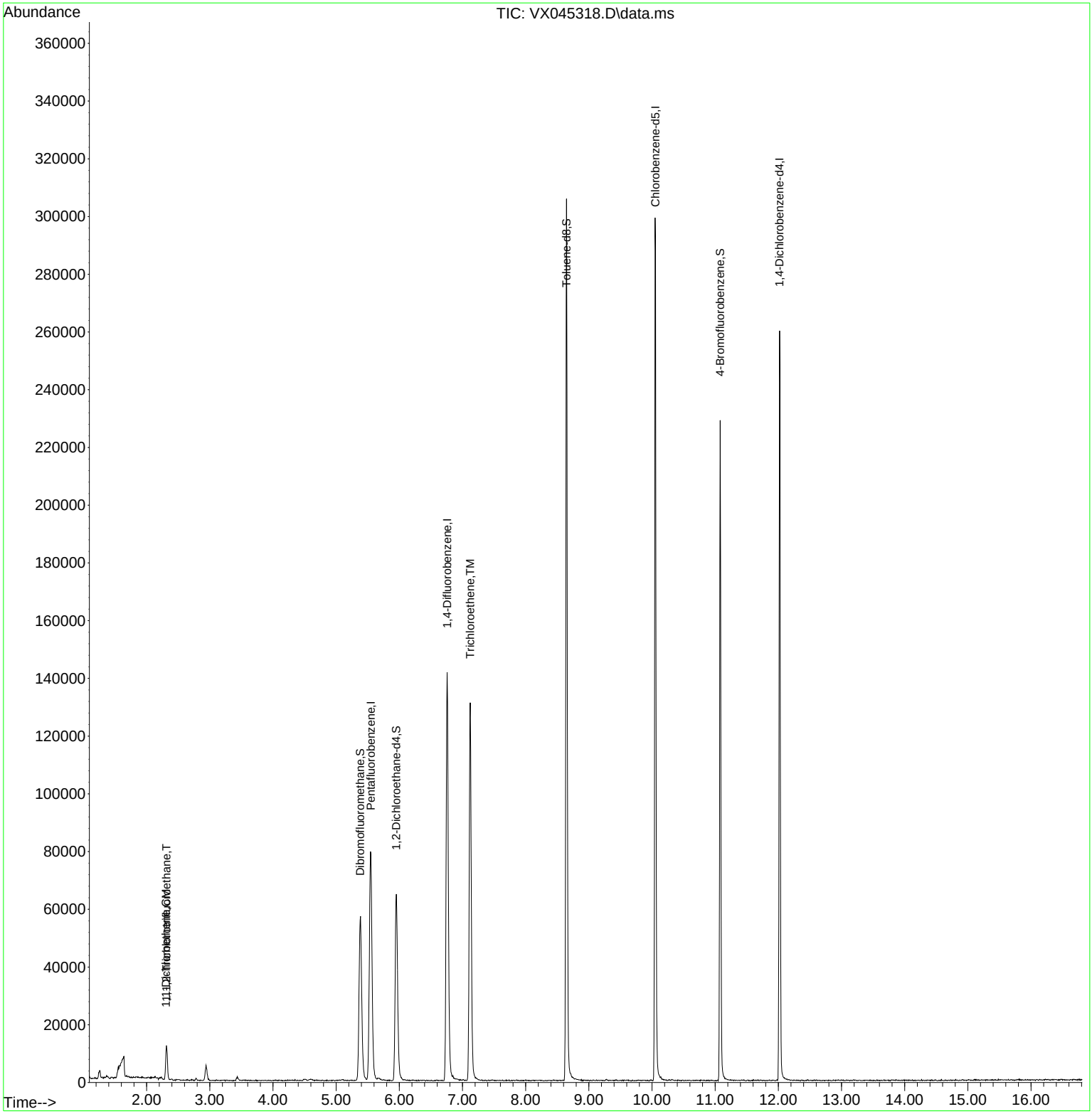
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63359	55.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.640%			
35) Dibromofluoromethane	5.379	113	49906	52.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.400%			
50) Toluene-d8	8.647	98	174877	50.941	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%			
62) 4-Bromofluorobenzene	11.079	95	59543	52.342	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.680%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.313	101	3767	4.542	ug/l	95
12) 1,1-Dichloroethene	2.307	96	1050	1.197	ug/l	92
44) Trichloroethene	7.123	130	49035	50.925	ug/l	97

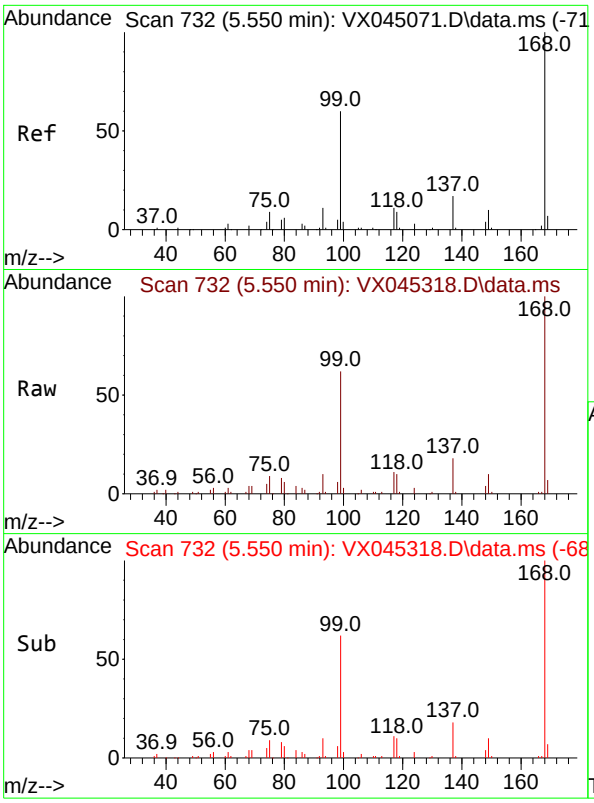
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045318.D
Acq On : 18 Mar 2025 12:30
Operator : JC/MD
Sample : Q1559-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Quant Time: Mar 19 01:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



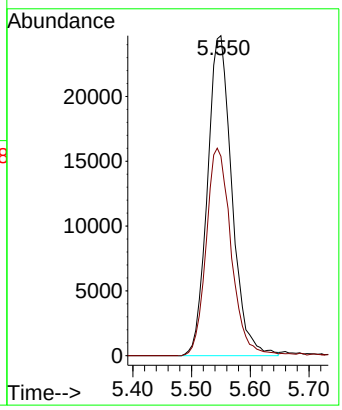


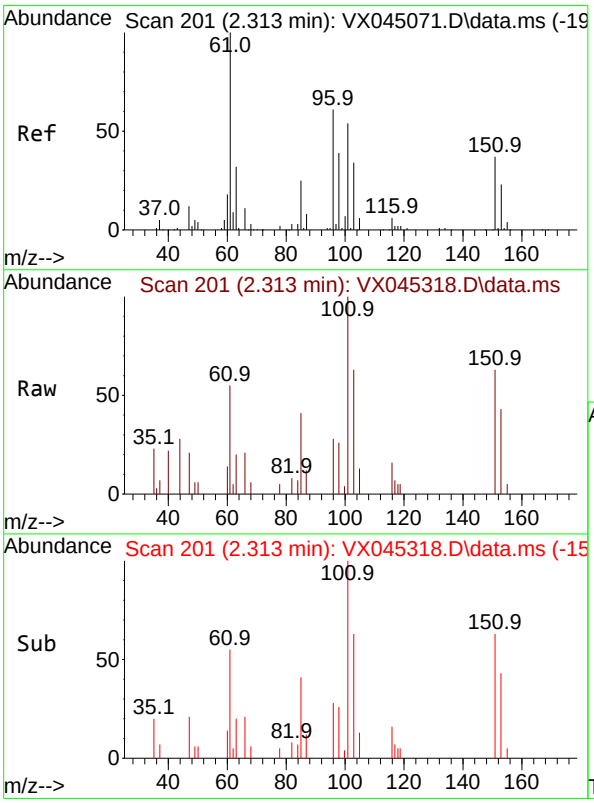
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion:168 Resp: 71358

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4

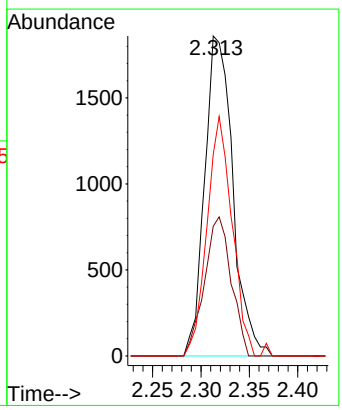


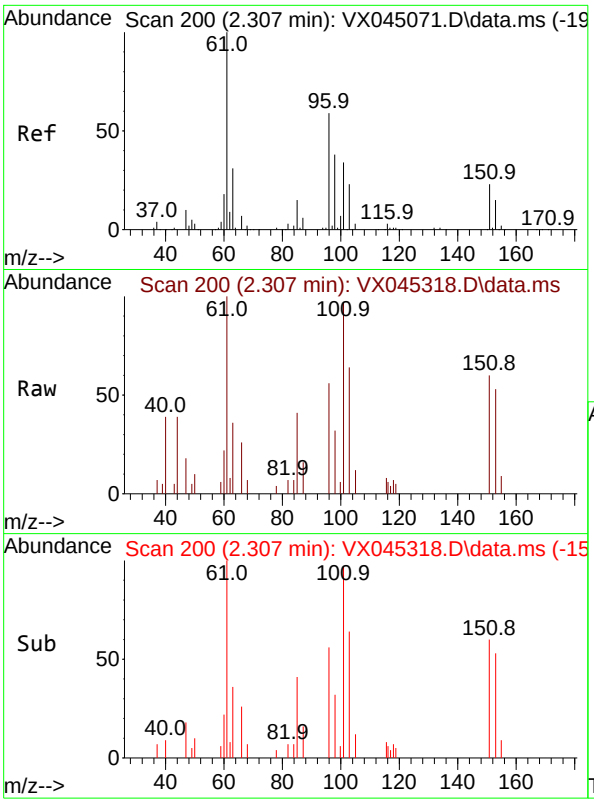


#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.542 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Tgt Ion:101 Resp: 3767

Ion	Ratio	Lower	Upper
101	100		
85	41.3	36.2	54.4
151	66.7	56.4	84.6



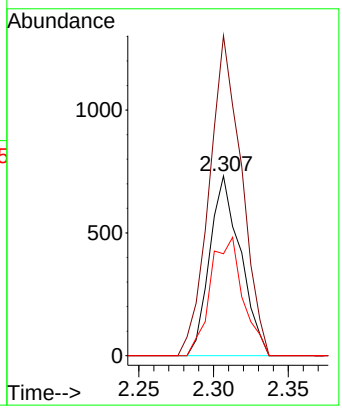


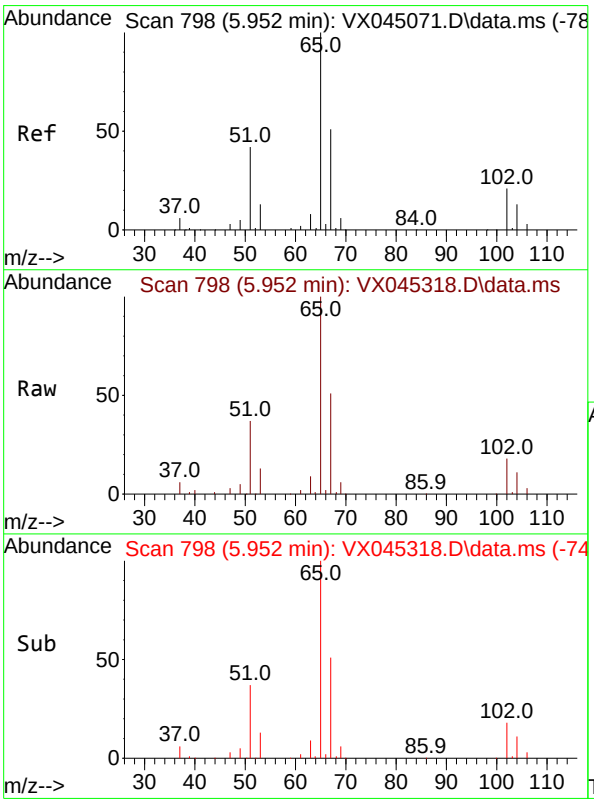
#12
1,1-Dichloroethene
Concen: 1.197 ug/l
RT: 2.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion: 96 Resp: 1050

Ion	Ratio	Lower	Upper
96	100		
61	178.0	134.6	202.0
98	56.7	51.0	76.6

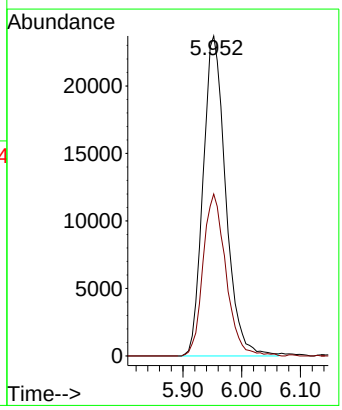


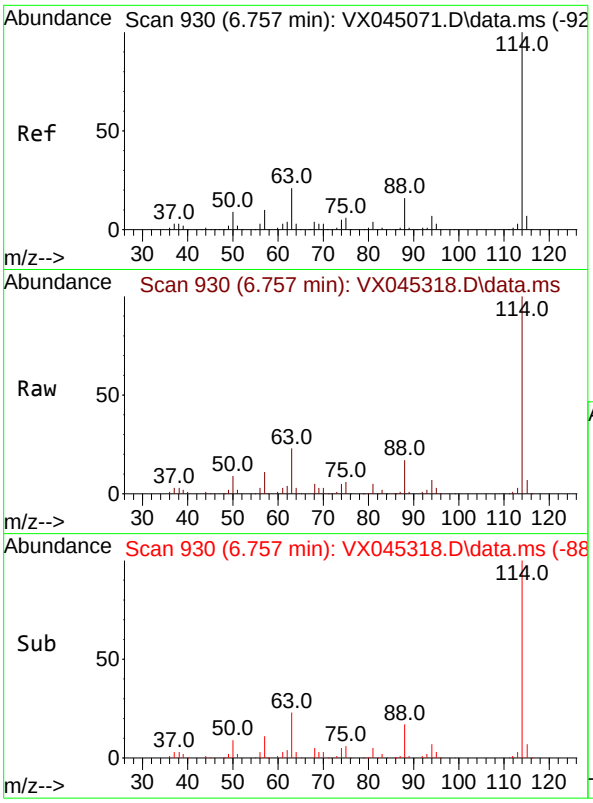


#33
1,2-Dichloroethane-d4
Concen: 55.820 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Tgt Ion: 65 Resp: 63359

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



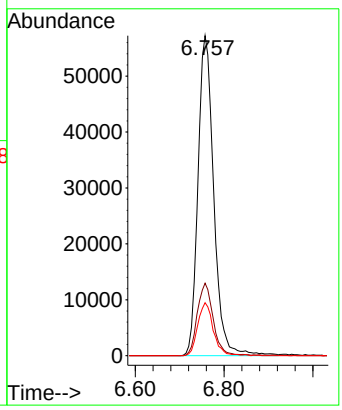


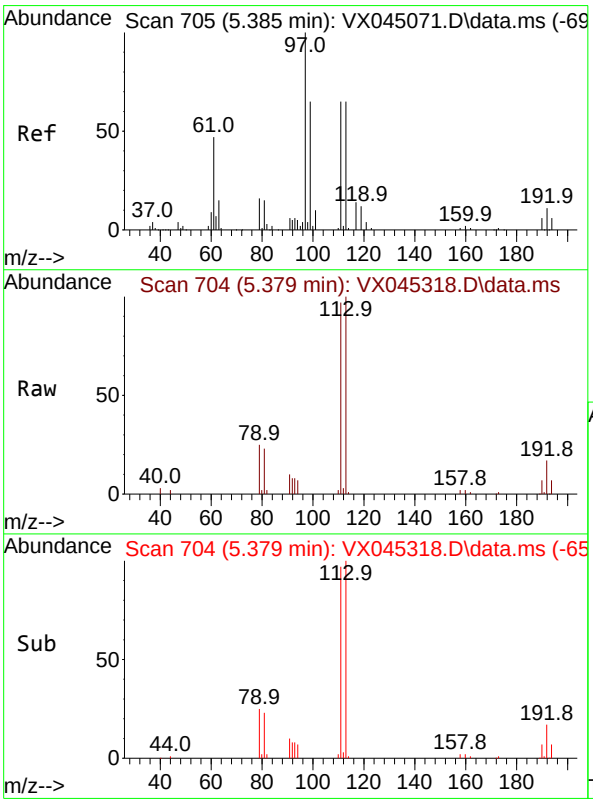
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion:114 Resp: 141612

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	16.5	0.0	32.8

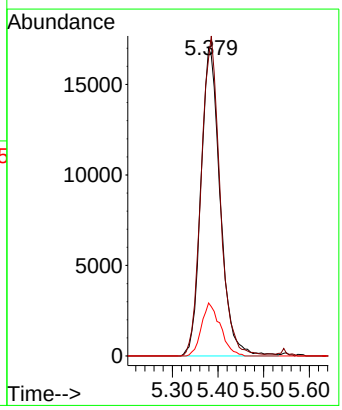


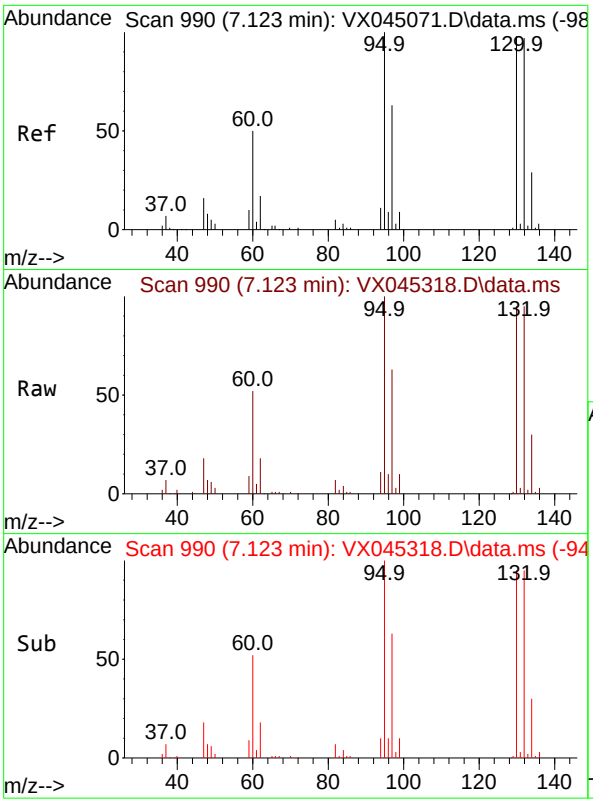


#35
Dibromofluoromethane
Concen: 52.703 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Tgt Ion:113 Resp: 49906

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.8	14.3	21.5



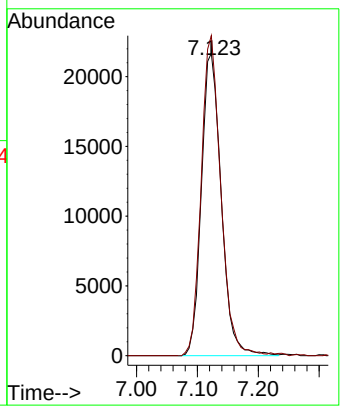


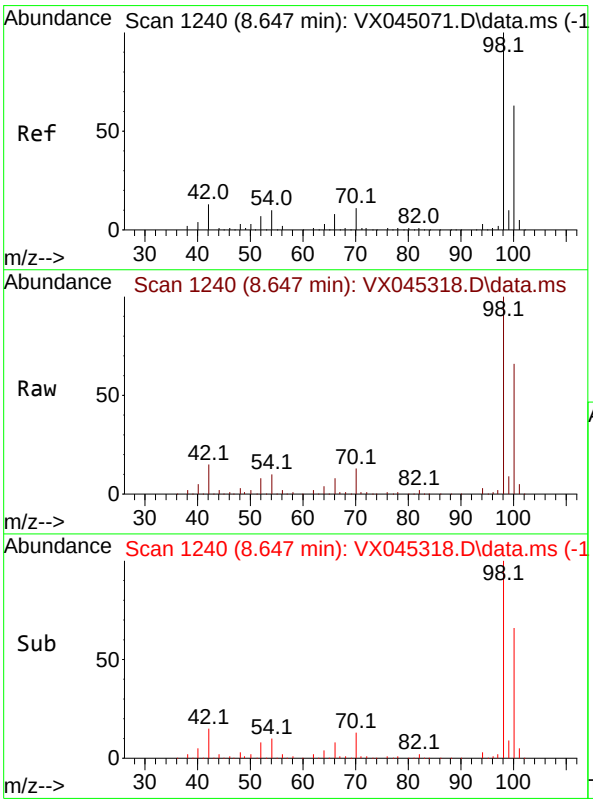
#44
Trichloroethene
Concen: 50.925 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion:130 Resp: 49035

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	205.0

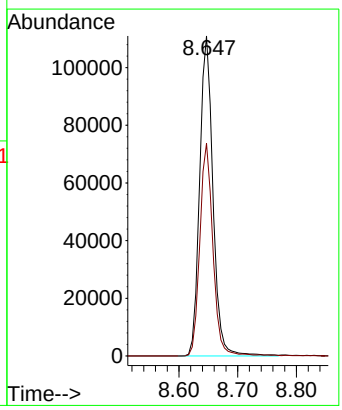


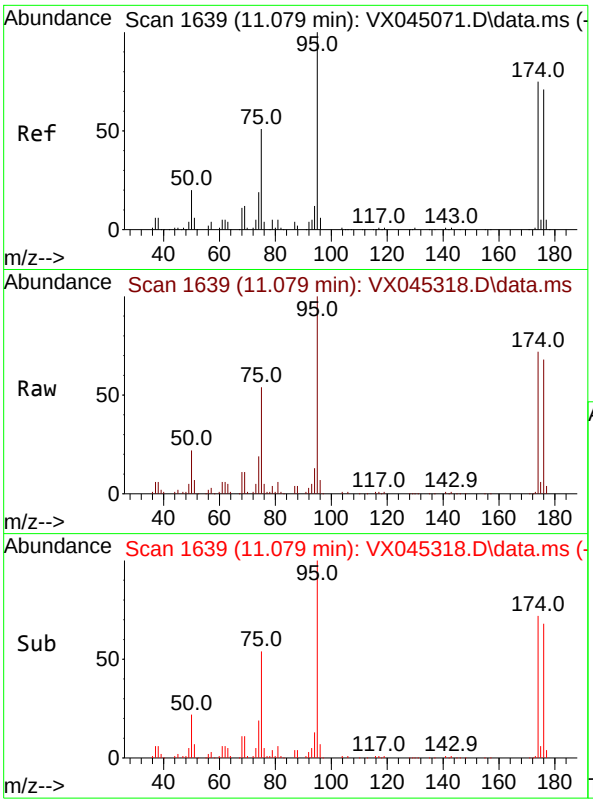


#50
Toluene-d8
Concen: 50.941 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Tgt Ion: 98 Resp: 174877

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



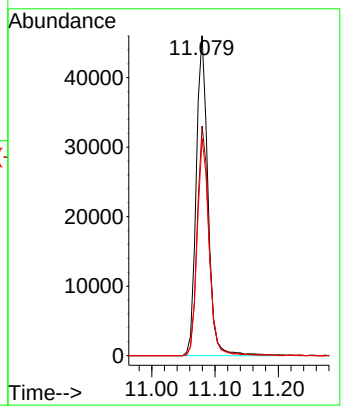


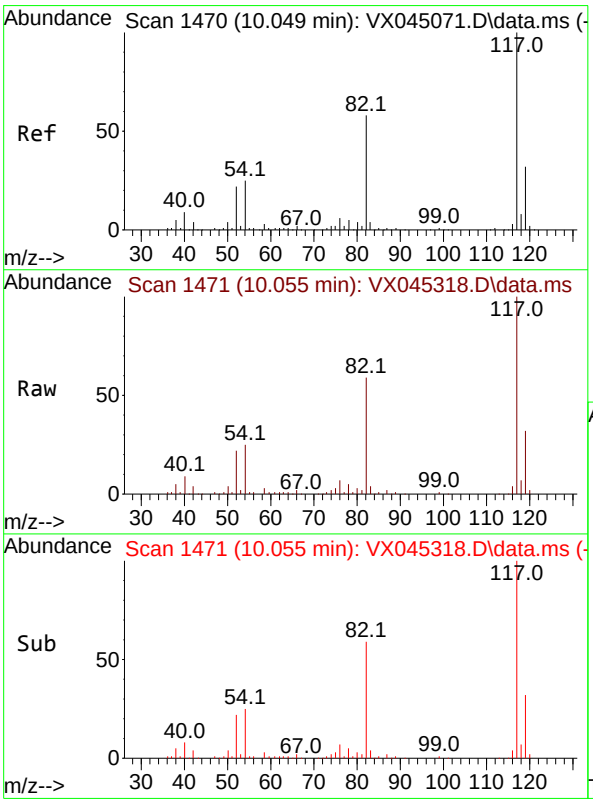
#62
4-Bromofluorobenzene
Concen: 52.342 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion: 95 Resp: 59543

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	68.5	0.0	141.4

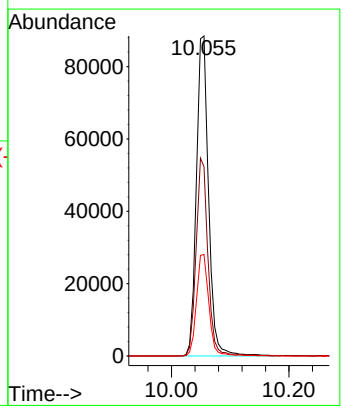


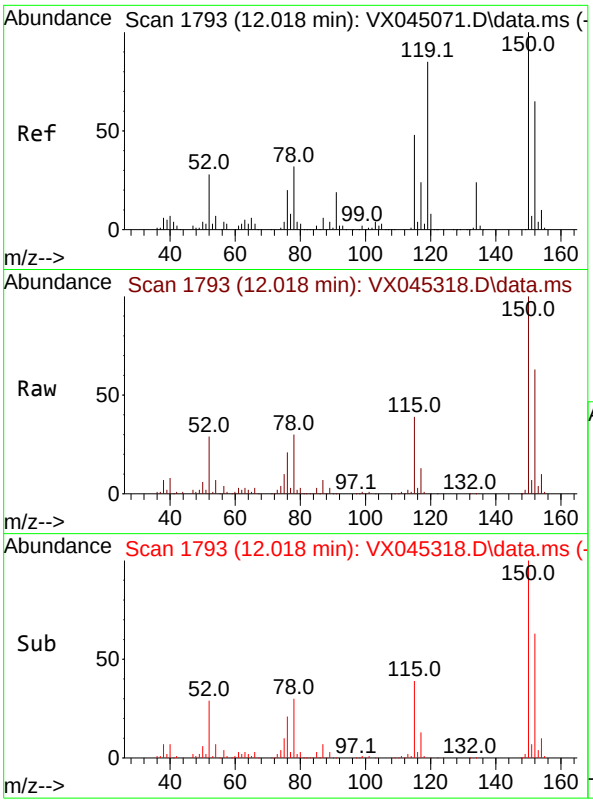


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Tgt Ion:117 Resp: 127488

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	31.7	25.7	38.5



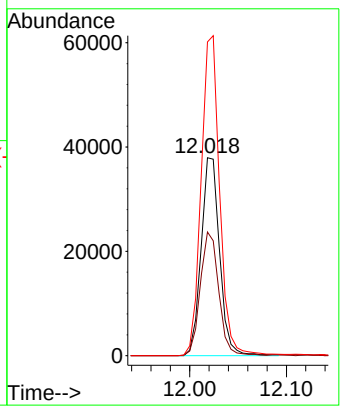


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045318.D
Acq: 18 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20250310DL

Tgt Ion:152 Resp: 50596

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	163.1	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D2-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-02	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
VX045262.D	40		03/13/25 12:27	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	U	8.80	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	U	12.8	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	U	10.4	30.0	40.0	ug/L
74-83-9	Bromomethane	150	U	57.6	150	200	ug/L
75-00-3	Chloroethane	30.0	U	18.8	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	U	13.2	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	90.4		10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	47.5		9.20	30.0	40.0	ug/L
67-64-1	Acetone	150	U	60.4	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	U	8.40	30.0	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	U	6.40	20.0	40.0	ug/L
79-20-9	Methyl Acetate	30.0	U	10.8	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	U	11.2	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	U	9.20	20.0	40.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	U	9.20	20.0	40.0	ug/L
110-82-7	Cyclohexane	100	U	58.0	100	200	ug/L
78-93-3	2-Butanone	100	U	39.2	100	200	ug/L
56-23-5	Carbon Tetrachloride	20.0	U	10.0	20.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	U	7.60	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	U	8.80	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	U	10.0	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	8.00	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	U	6.40	20.0	40.0	ug/L
71-43-2	Benzene	20.0	U	6.00	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	U	8.80	20.0	40.0	ug/L
79-01-6	Trichloroethene	1700		3.70	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	U	8.00	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	U	8.80	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	27.2	100	200	ug/L
108-88-3	Toluene	20.0	U	5.60	20.0	40.0	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D2-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-02	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
VX045262.D	40		03/13/25 12:27	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	U	6.80	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	U	6.40	20.0	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	U	8.40	20.0	40.0	ug/L
591-78-6	2-Hexanone	100	U	35.6	100	200	ug/L
124-48-1	Dibromochloromethane	20.0	U	7.20	20.0	40.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	U	6.00	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	U	9.20	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	U	4.80	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	U	5.20	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	U	9.60	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	U	4.80	20.0	40.0	ug/L
100-42-5	Styrene	20.0	U	6.00	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	U	7.60	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	U	4.80	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	U	10.4	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	U	6.40	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	U	7.60	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	U	6.40	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	U	21.2	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	U	8.00	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	U	8.00	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49100	12.018				

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE115D2-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-02	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
VX045262.D	40		03/13/25 12:27	VX031325

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\VX031325\
Data File : VX045262.D
Acq On : 13 Mar 2025 12:27
Operator : JC/MD
Sample : Q1559-02 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Quant Time: Mar 14 12:50:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

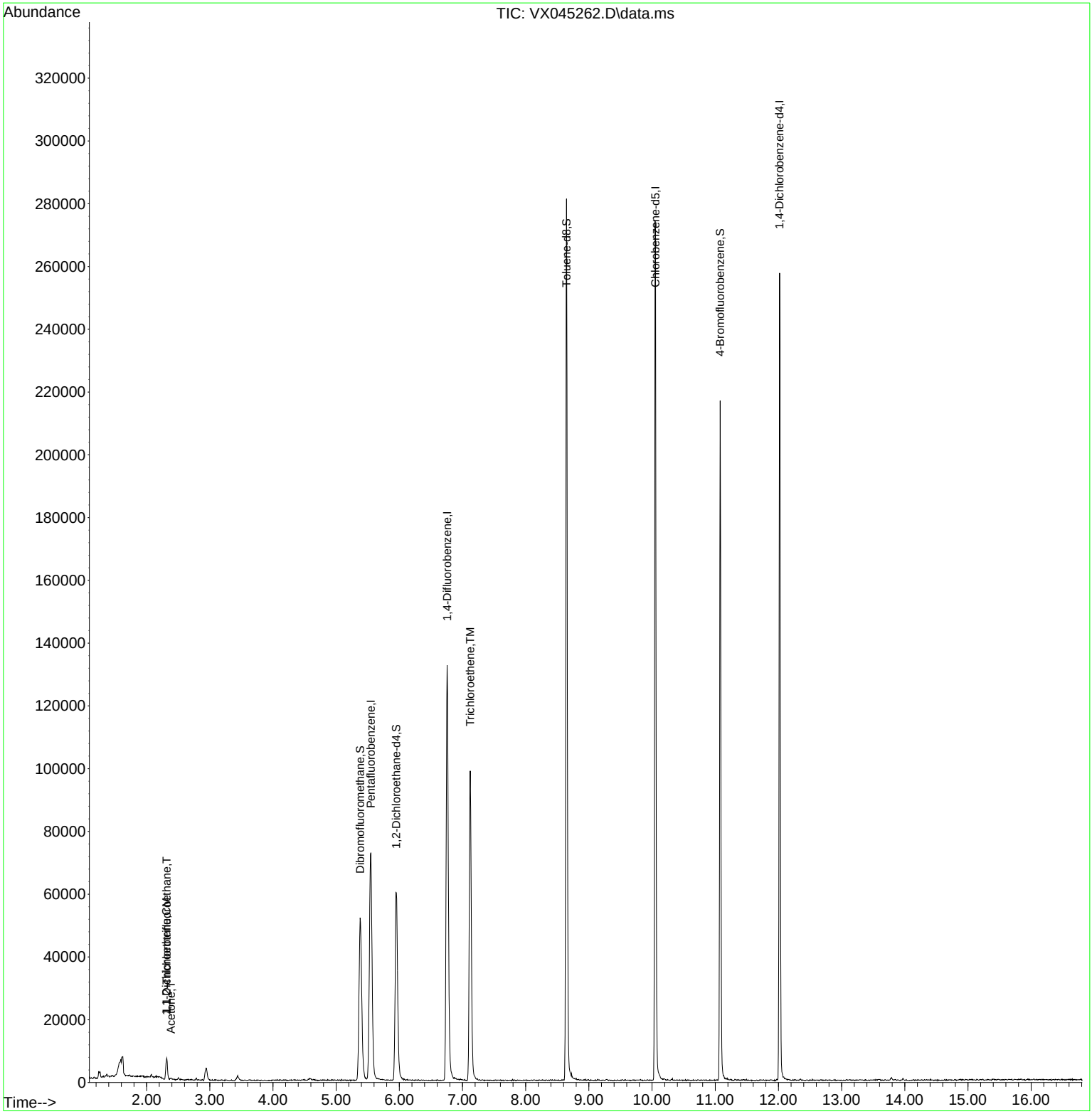
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56879	53.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	5.379	113	45848	52.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	8.647	98	163846	51.522	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.079	95	55976	53.119	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.240%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1760	2.259	ug/l	95
12) 1,1-Dichloroethene	2.313	96	979	1.188	ug/l	90
16) Acetone	2.386	43	538	1.087	ug/l	98
44) Trichloroethene	7.123	130	37602	42.156	ug/l	95

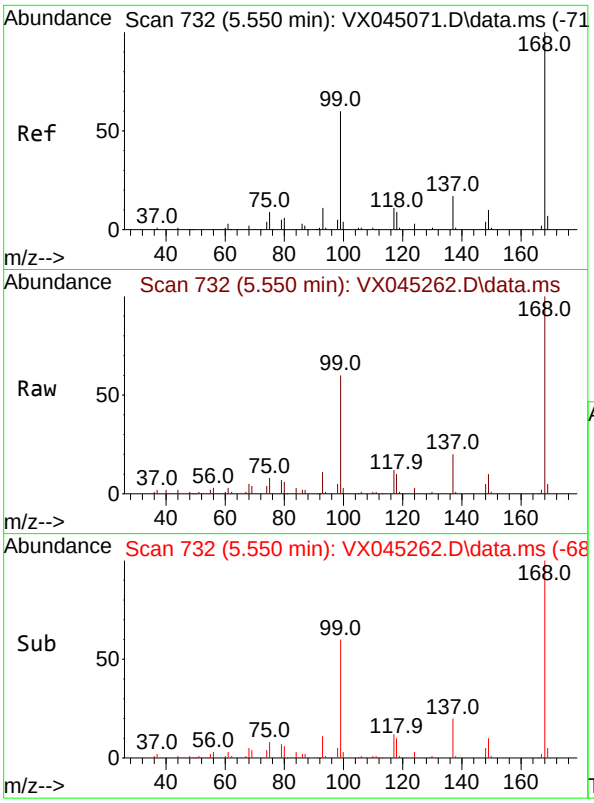
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045262.D
Acq On : 13 Mar 2025 12:27
Operator : JC/MD
Sample : Q1559-02 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Quant Time: Mar 14 12:50:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



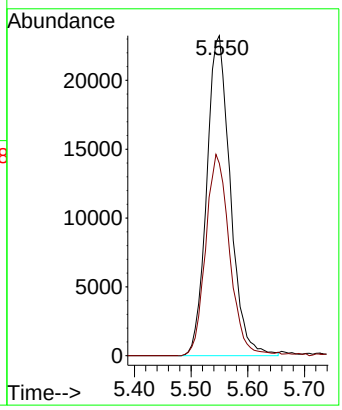


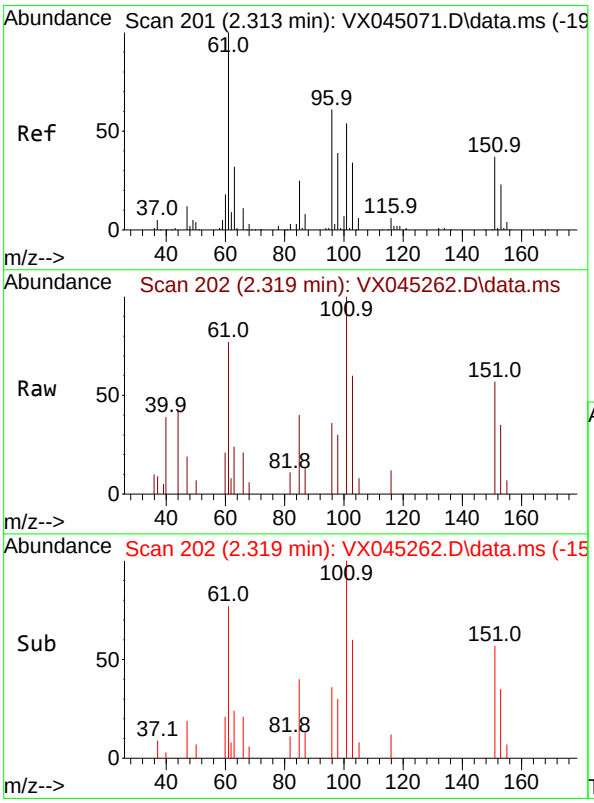
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion:168 Resp: 67039

Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.2	72.4

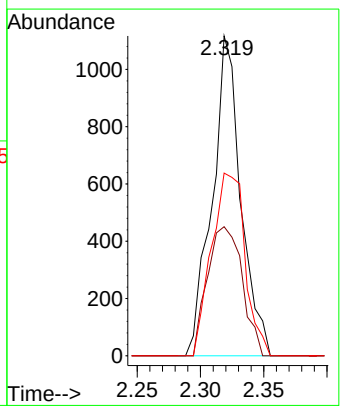


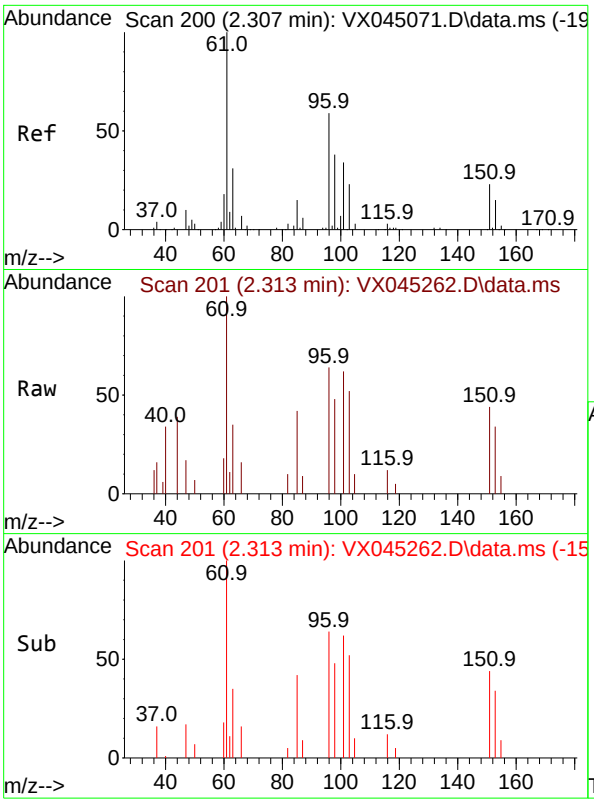


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.259 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion:101 Resp: 1760

Ion	Ratio	Lower	Upper
101	100		
85	49.0	36.2	54.4
151	66.9	56.4	84.6



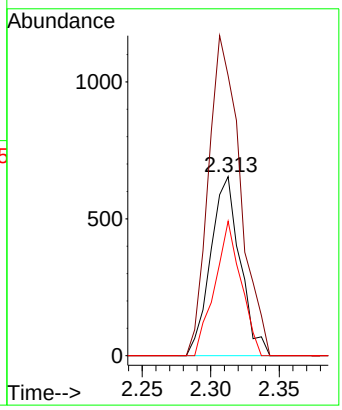


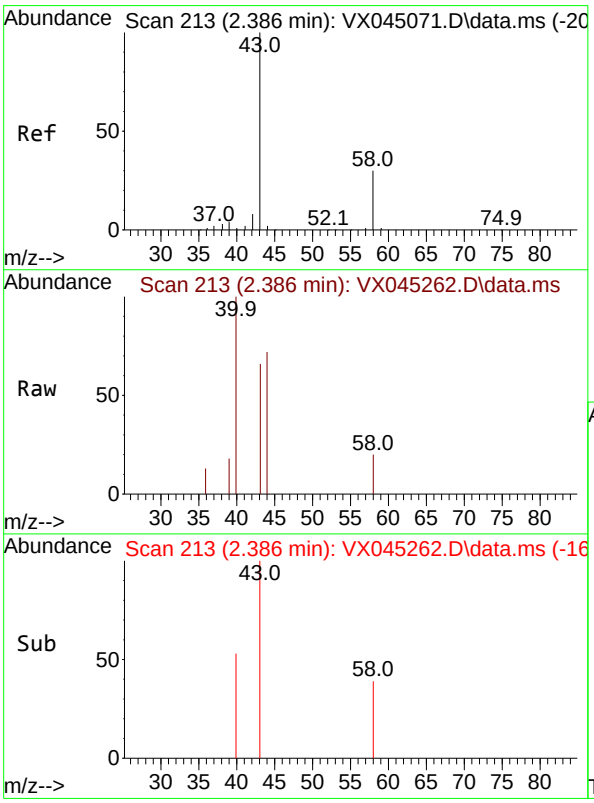
#12
1,1-Dichloroethene
Concen: 1.188 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion: 96 Resp: 979

Ion	Ratio	Lower	Upper
96	100		
61	156.4	134.6	202.0
98	75.1	51.0	76.6

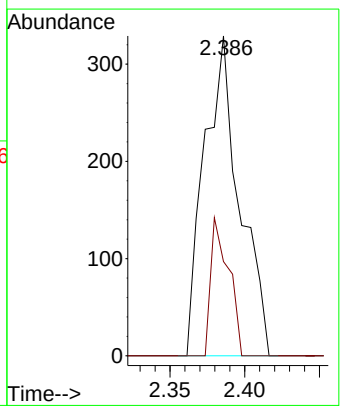


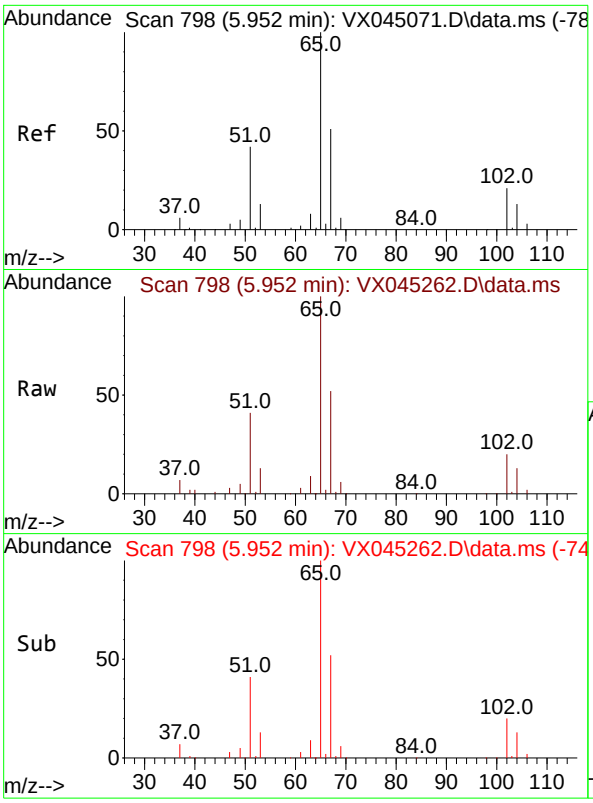


#16
Acetone
Concen: 1.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion: 43 Resp: 538

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



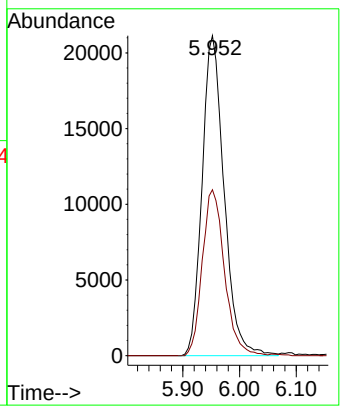


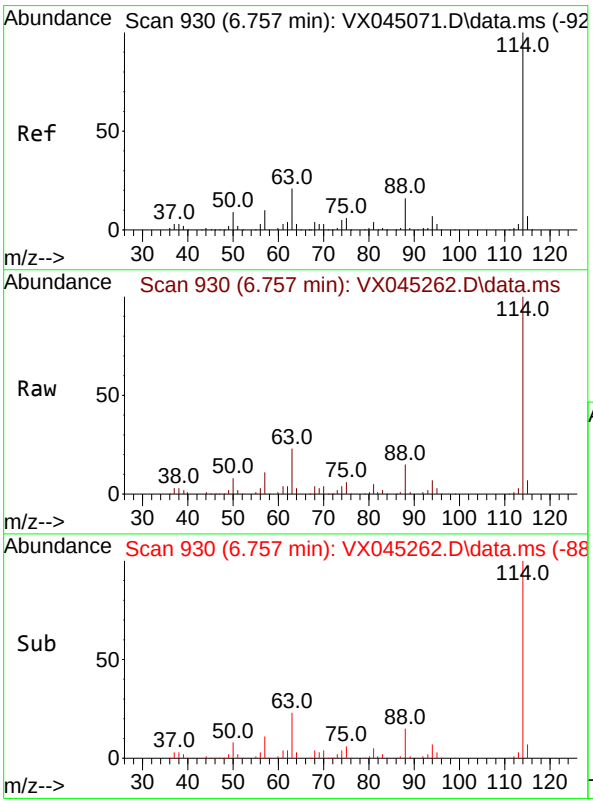
#33
1,2-Dichloroethane-d4
Concen: 53.340 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion: 65 Resp: 56879

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2

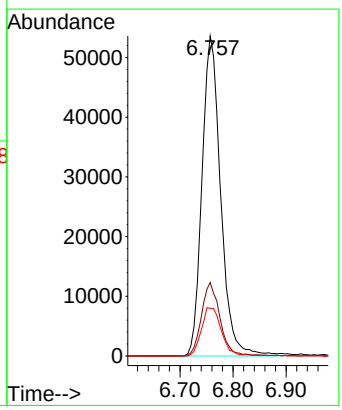


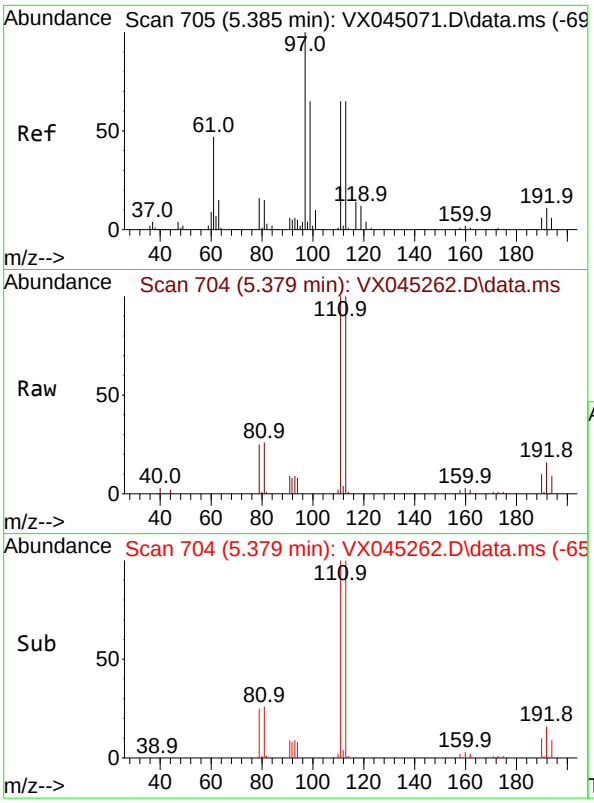


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion:114 Resp: 131183

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	14.9	0.0	32.8



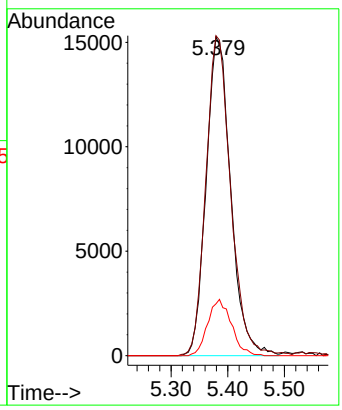


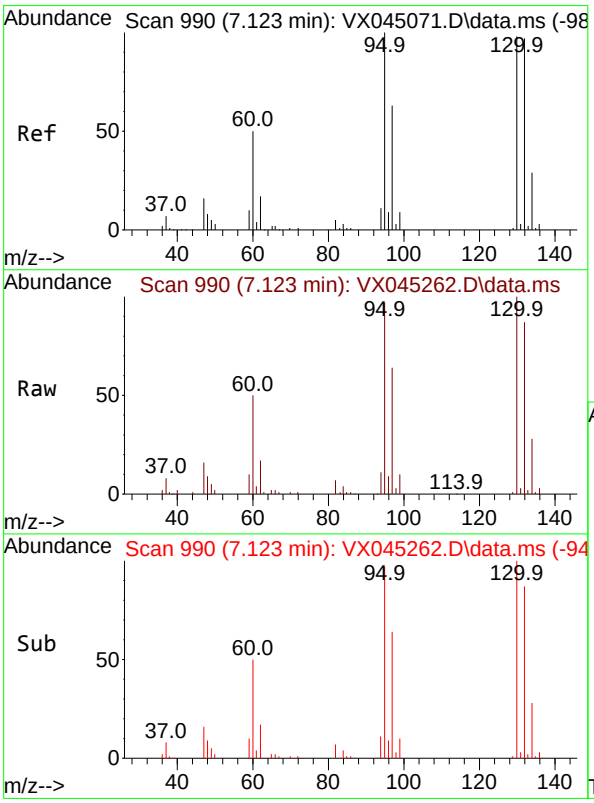
#35
Dibromofluoromethane
Concen: 52.267 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion:113 Resp: 45848

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	17.1	14.3	21.5

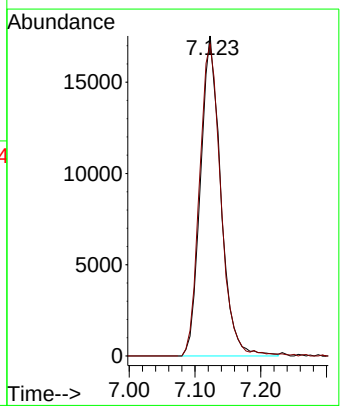


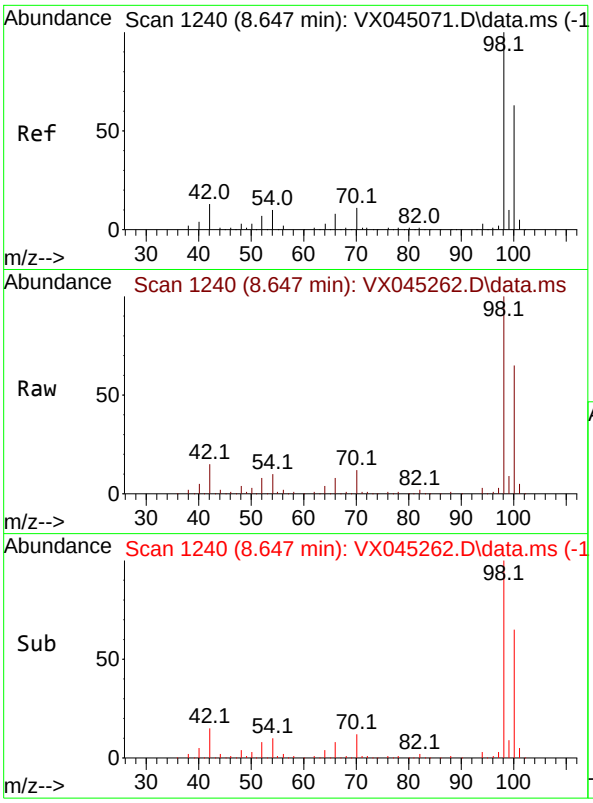


#44
Trichloroethene
Concen: 42.156 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion:130 Resp: 37602

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	205.0



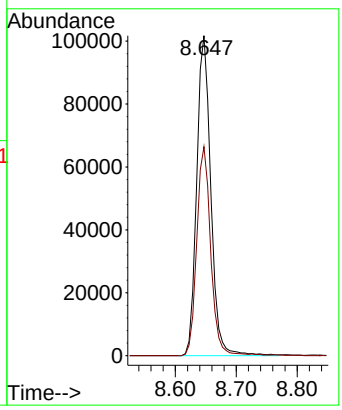


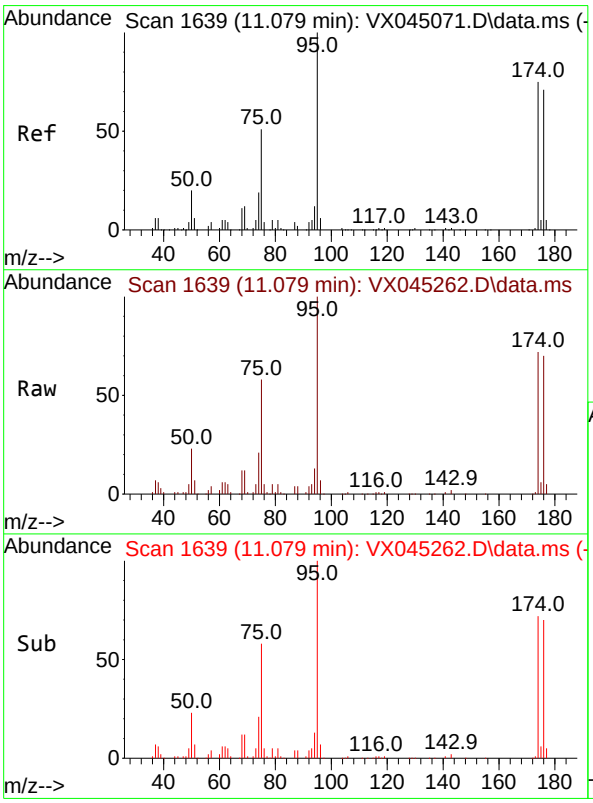
#50
Toluene-d8
Concen: 51.522 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion: 98 Resp: 163846

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

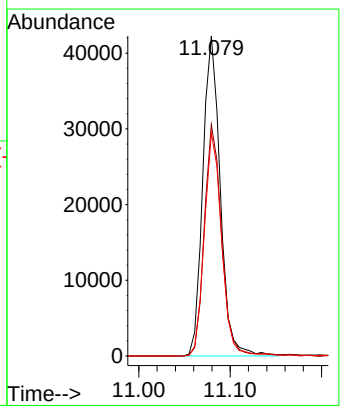


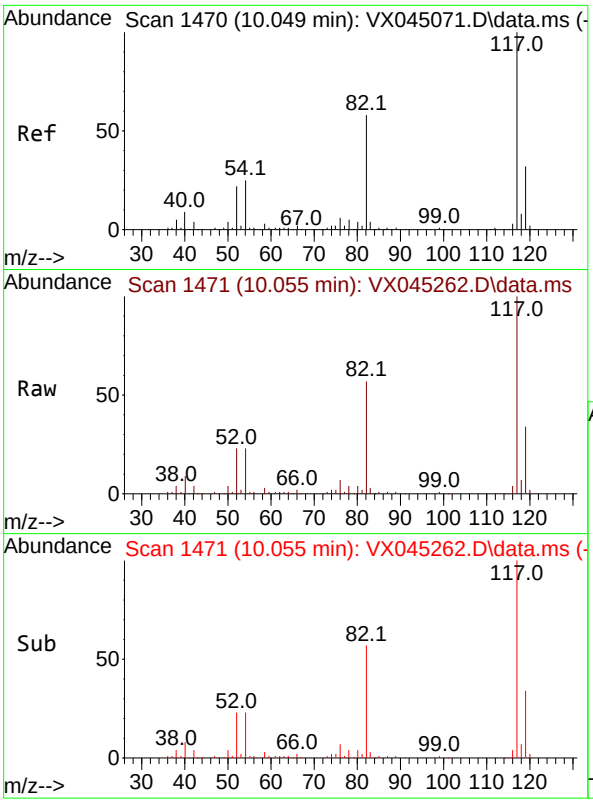


#62
4-Bromofluorobenzene
Concen: 53.119 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion: 95 Resp: 55976

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	148.2
176	69.2	0.0	141.4



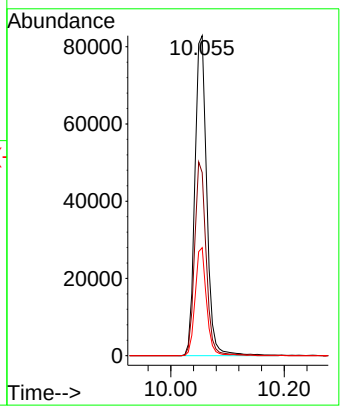


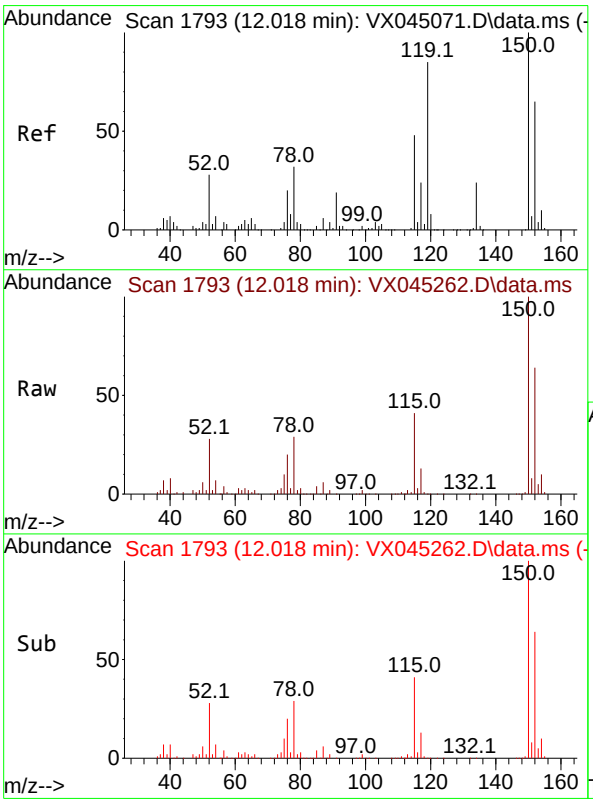
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20250310

Tgt Ion:117 Resp: 120316

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.3	69.5
119	33.7	25.7	38.5

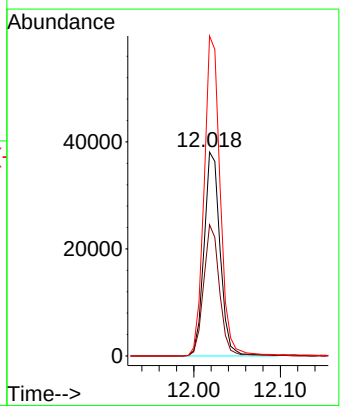




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion:152 Resp: 49080

Ion	Ratio	Lower	Upper
152	100		
115	63.8	44.2	132.6
150	158.4	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-03	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
VX045322.D	1		03/18/25 14:04	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	3.40		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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-03	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
VX045322.D	1		03/18/25 14:04	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.56	J	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67300	5.55				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47600	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-03	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
VX045322.D	1		03/18/25 14:04	VX031825

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\VX031825\
Data File : VX045322.D
Acq On : 18 Mar 2025 14:04
Operator : JC/MD
Sample : Q1559-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Quant Time: Mar 19 01:44:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

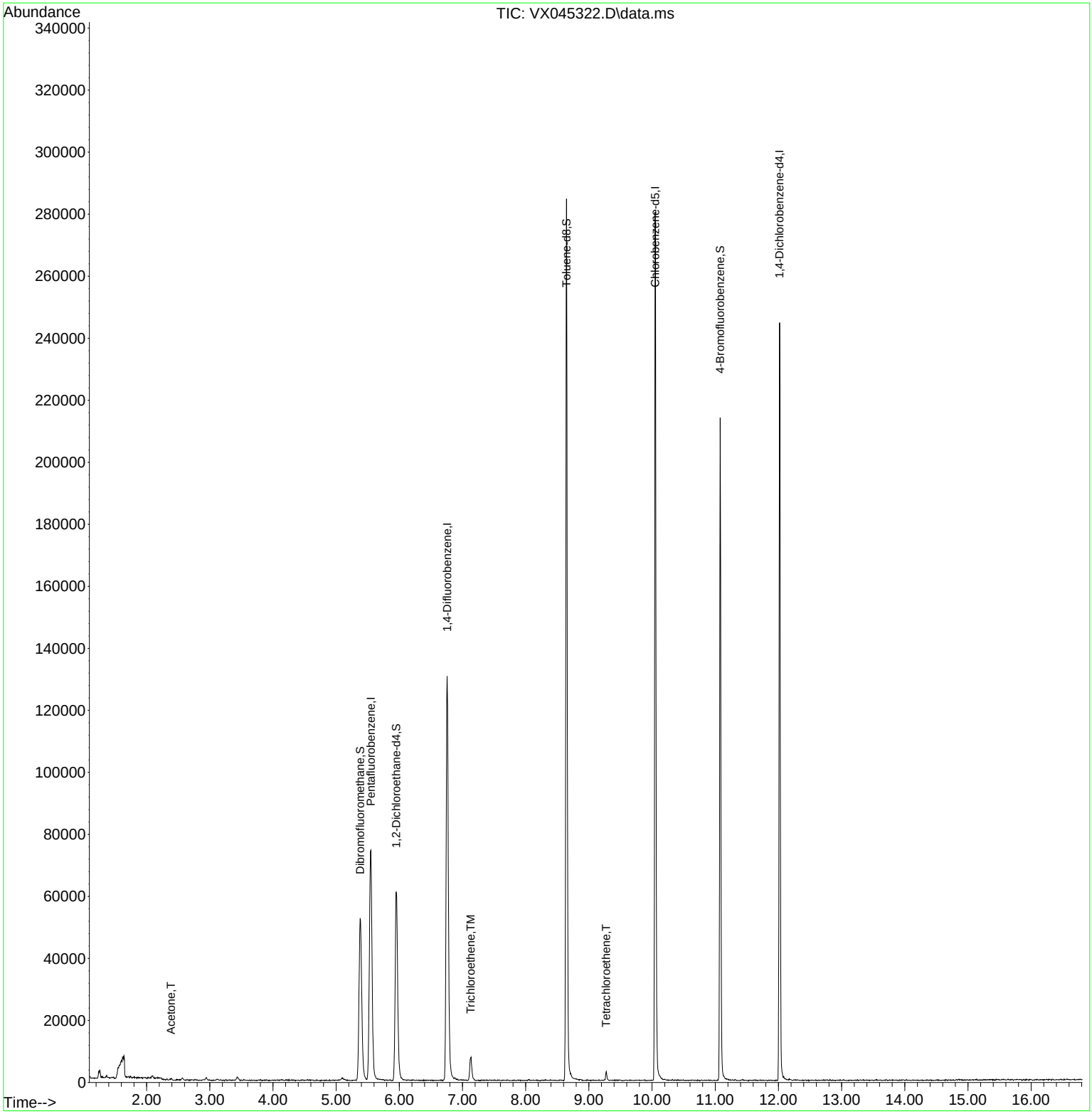
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60365	56.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.780%			
35) Dibromofluoromethane	5.379	113	46490	53.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.480%			
50) Toluene-d8	8.647	98	162628	51.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	11.079	95	54400	52.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.700%			
Target Compounds						Qvalue
16) Acetone	2.386	43	581	1.170	ug/l	99
44) Trichloroethene	7.129	130	2957	3.362	ug/l	93
64) Tetrachloroethene	9.275	164	427	0.557	ug/l #	83

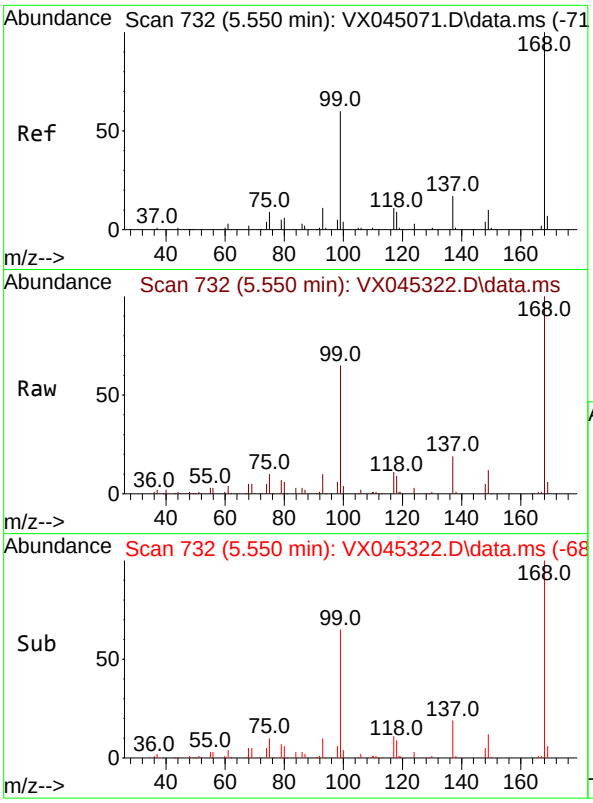
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045322.D
Acq On : 18 Mar 2025 14:04
Operator : JC/MD
Sample : Q1559-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Quant Time: Mar 19 01:44:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



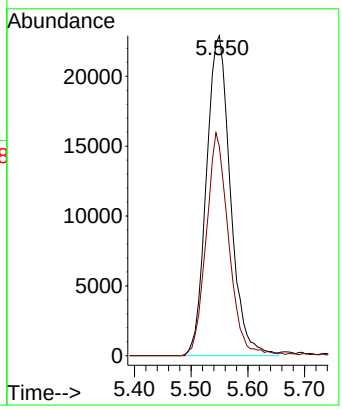


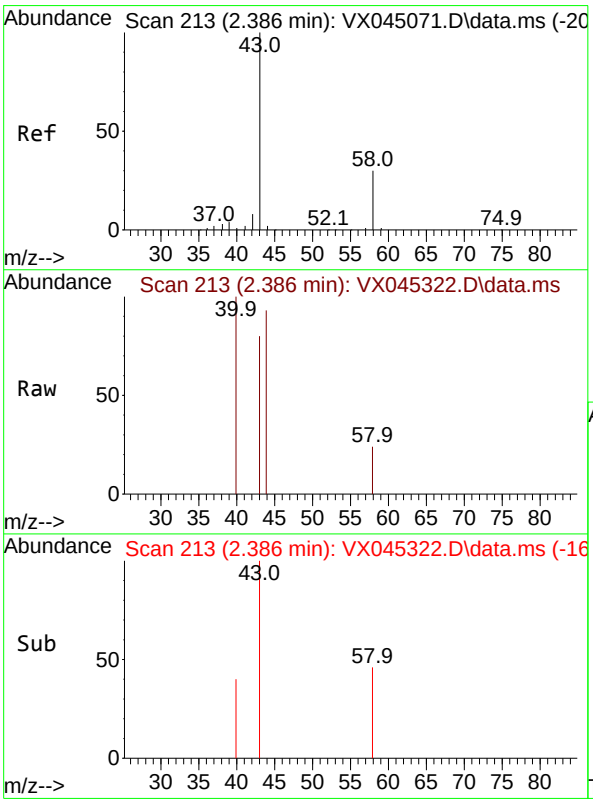
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion:168 Resp: 67300

Ion	Ratio	Lower	Upper
168	100		
99	65.4	48.2	72.4

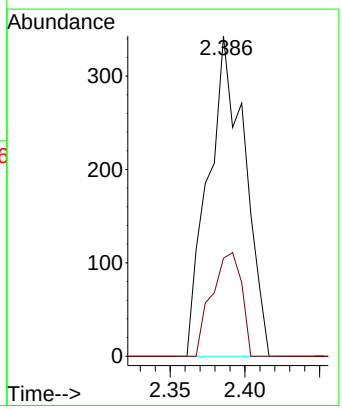


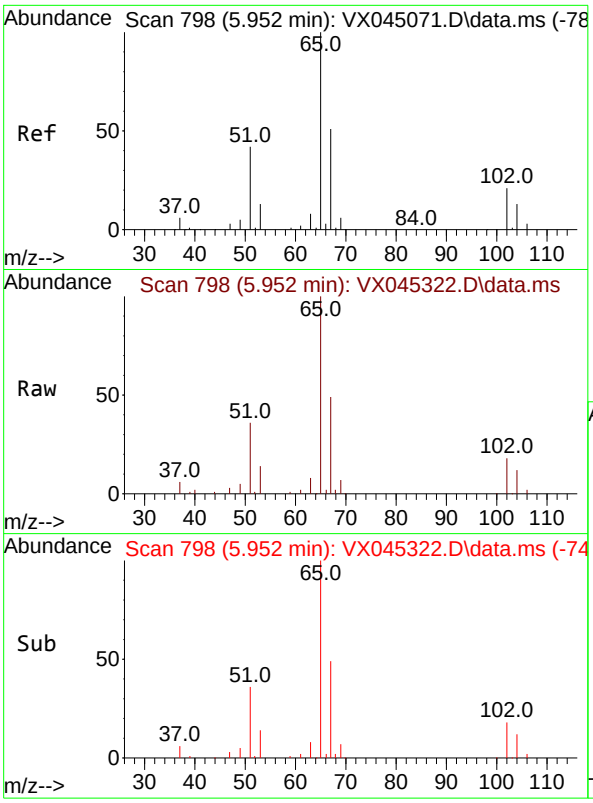


#16
Acetone
Concen: 1.170 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Tgt Ion: 43 Resp: 581

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.4



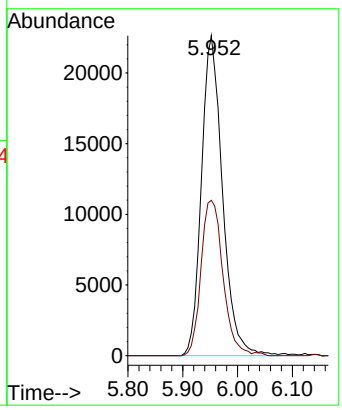


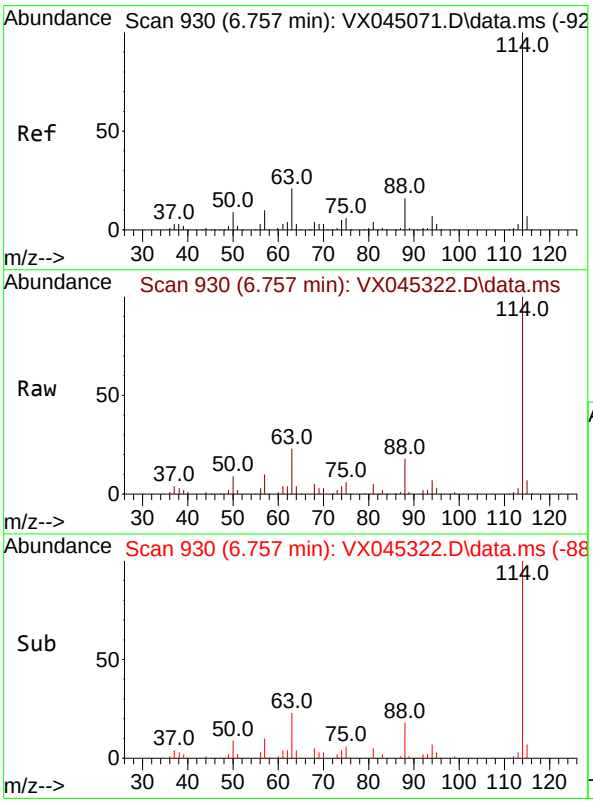
#33
1,2-Dichloroethane-d4
Concen: 56.389 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion: 65 Resp: 60365

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

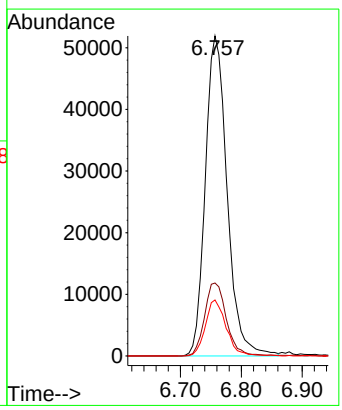


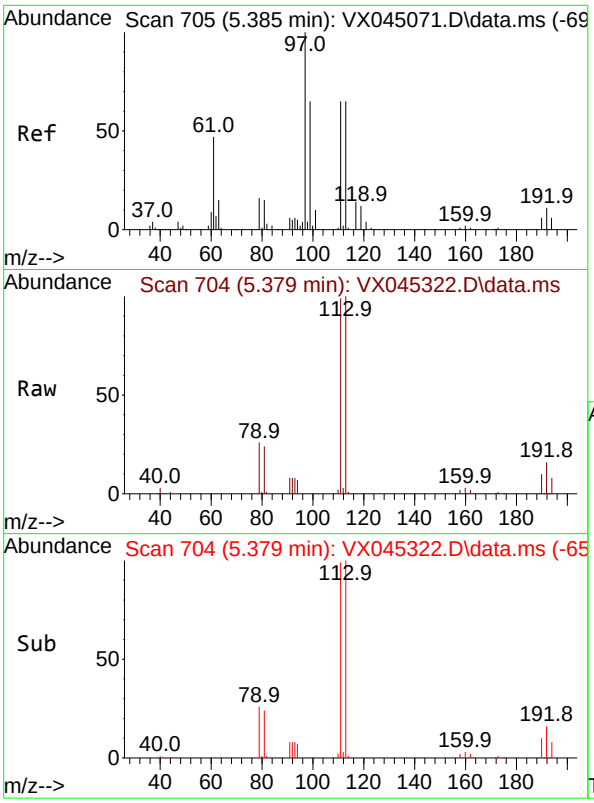


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Tgt Ion:114 Resp: 129370

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	17.5	0.0	32.8



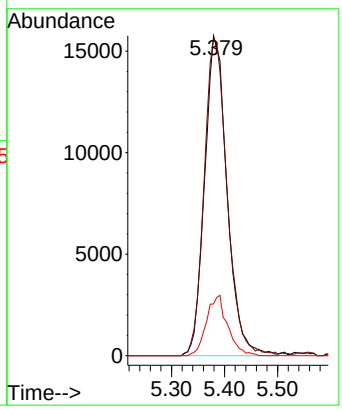


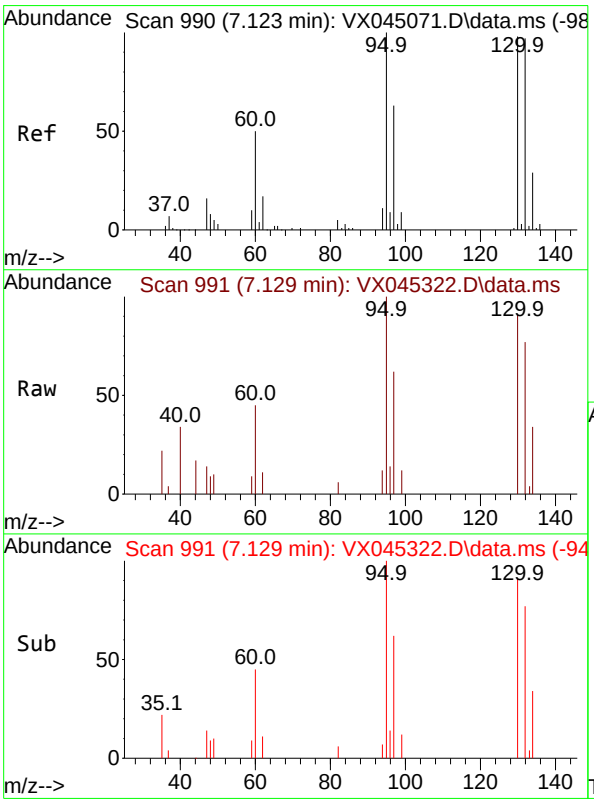
#35
Dibromofluoromethane
Concen: 53.742 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion:113 Resp: 46490

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.7	14.3	21.5

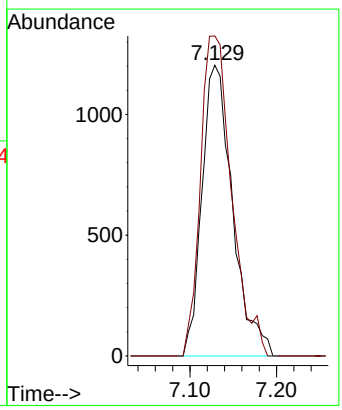


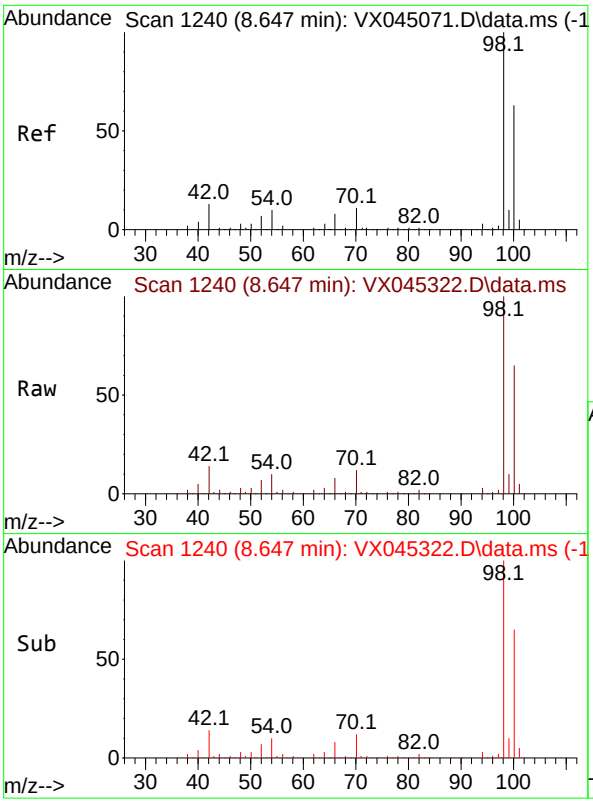


#44
Trichloroethene
Concen: 3.362 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Tgt Ion:130 Resp: 2957

Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	205.0



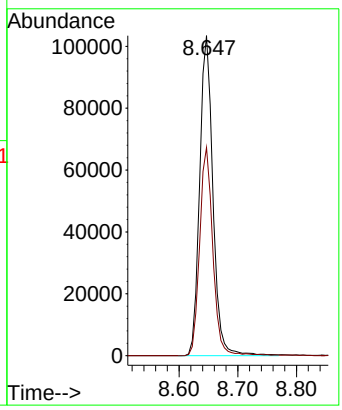


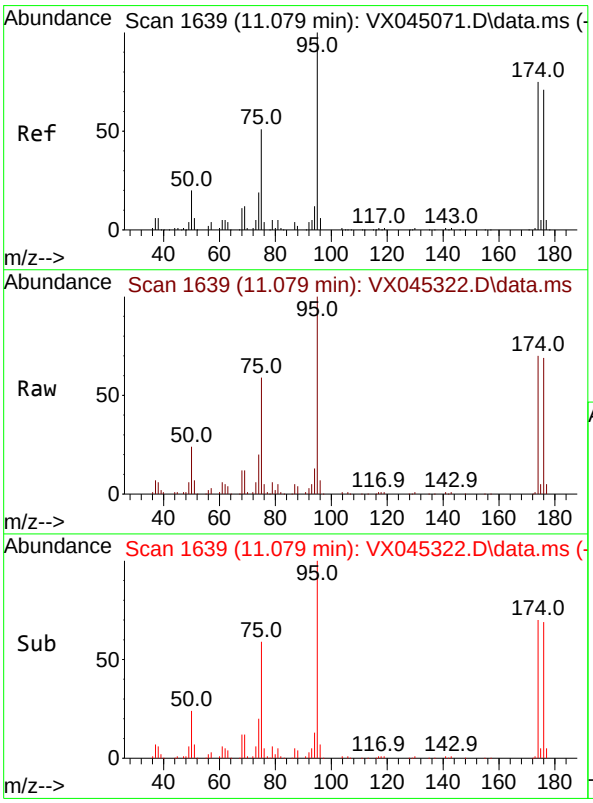
#50
Toluene-d8
Concen: 51.856 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion: 98 Resp: 162628

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

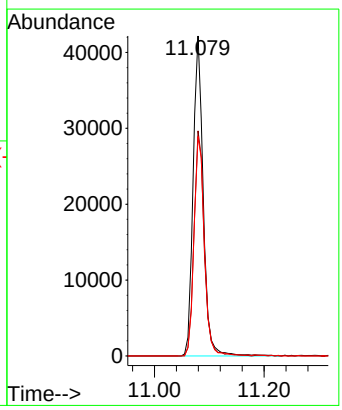


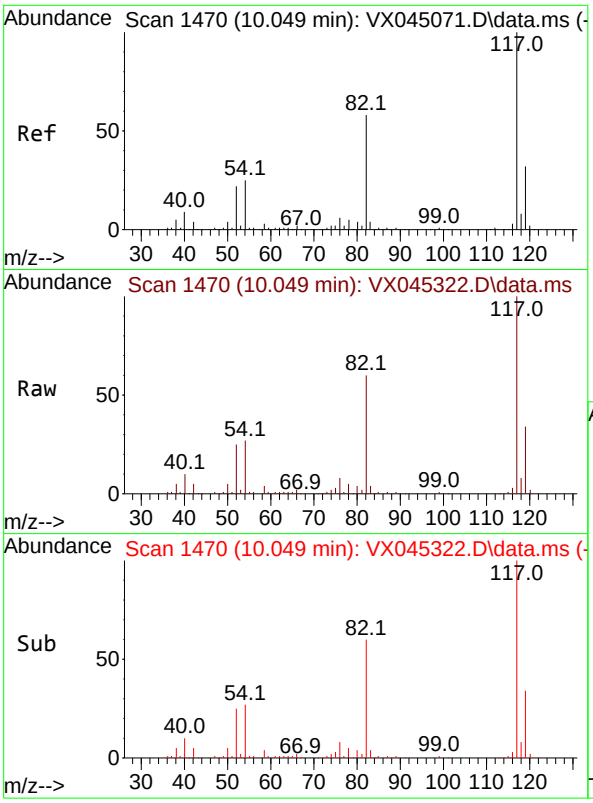


#62
4-Bromofluorobenzene
Concen: 52.347 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Tgt Ion: 95 Resp: 54400

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	148.2
176	70.2	0.0	141.4



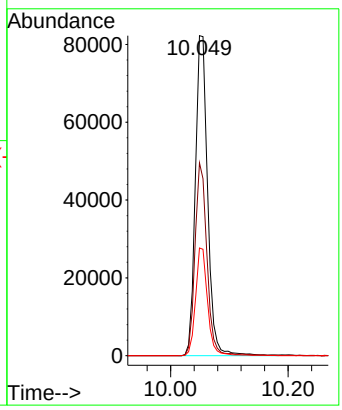


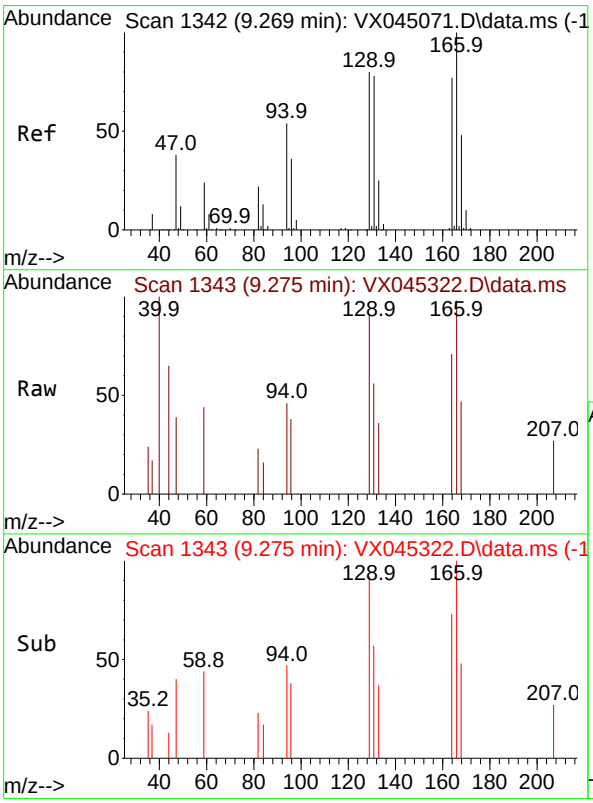
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion:117 Resp: 119707

Ion	Ratio	Lower	Upper
117	100		
82	60.2	46.3	69.5
119	33.7	25.7	38.5

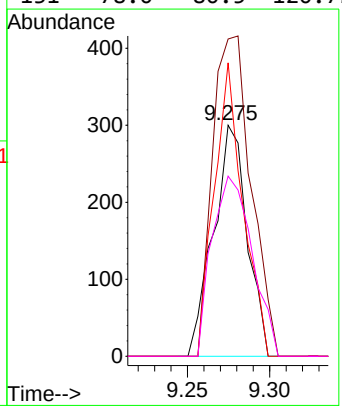


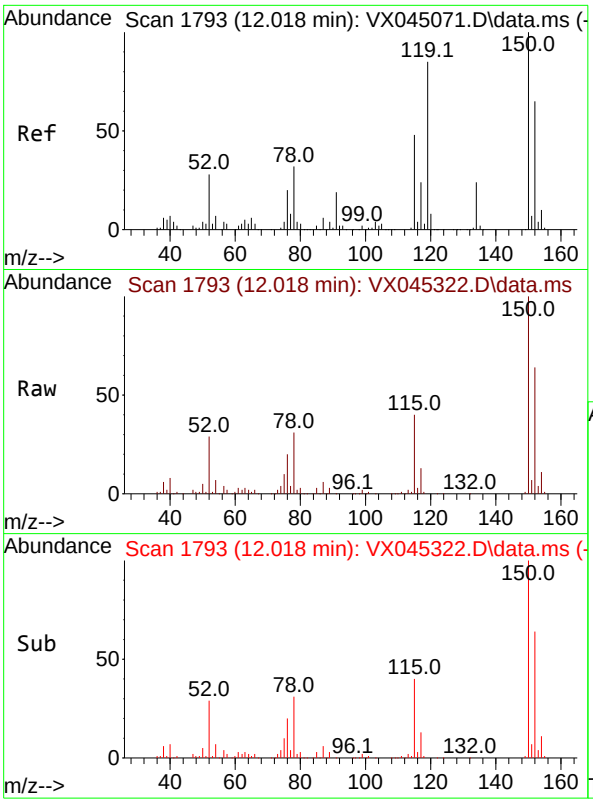


#64
Tetrachloroethene
Concen: 0.557 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Tgt Ion:164 Resp: 427

Ion	Ratio	Lower	Upper
164	100		
166	137.3	103.6	155.4
129	127.0	82.7	124.1#
131	78.0	80.5	120.7#



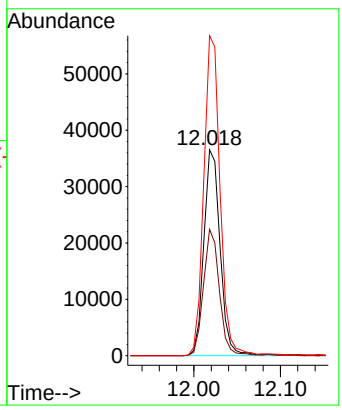


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045322.D
Acq: 18 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20250310

Tgt Ion:152 Resp: 47647

Ion	Ratio	Lower	Upper
152	100		
115	60.0	44.2	132.6
150	155.0	0.0	349.0



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045270.D	1		03/13/25 15:33	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	0.34	J	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1100	E	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	8.70		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	5.50		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.51	J	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	220	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.90		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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045270.D	1		03/13/25 15:33	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	350	E	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71600	5.55				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	129000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	55400	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045270.D	1		03/13/25 15:33	VX031325

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\VX031325\
Data File : VX045270.D
Acq On : 13 Mar 2025 15:33
Operator : JC/MD
Sample : Q1559-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Quant Time: Mar 14 12:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

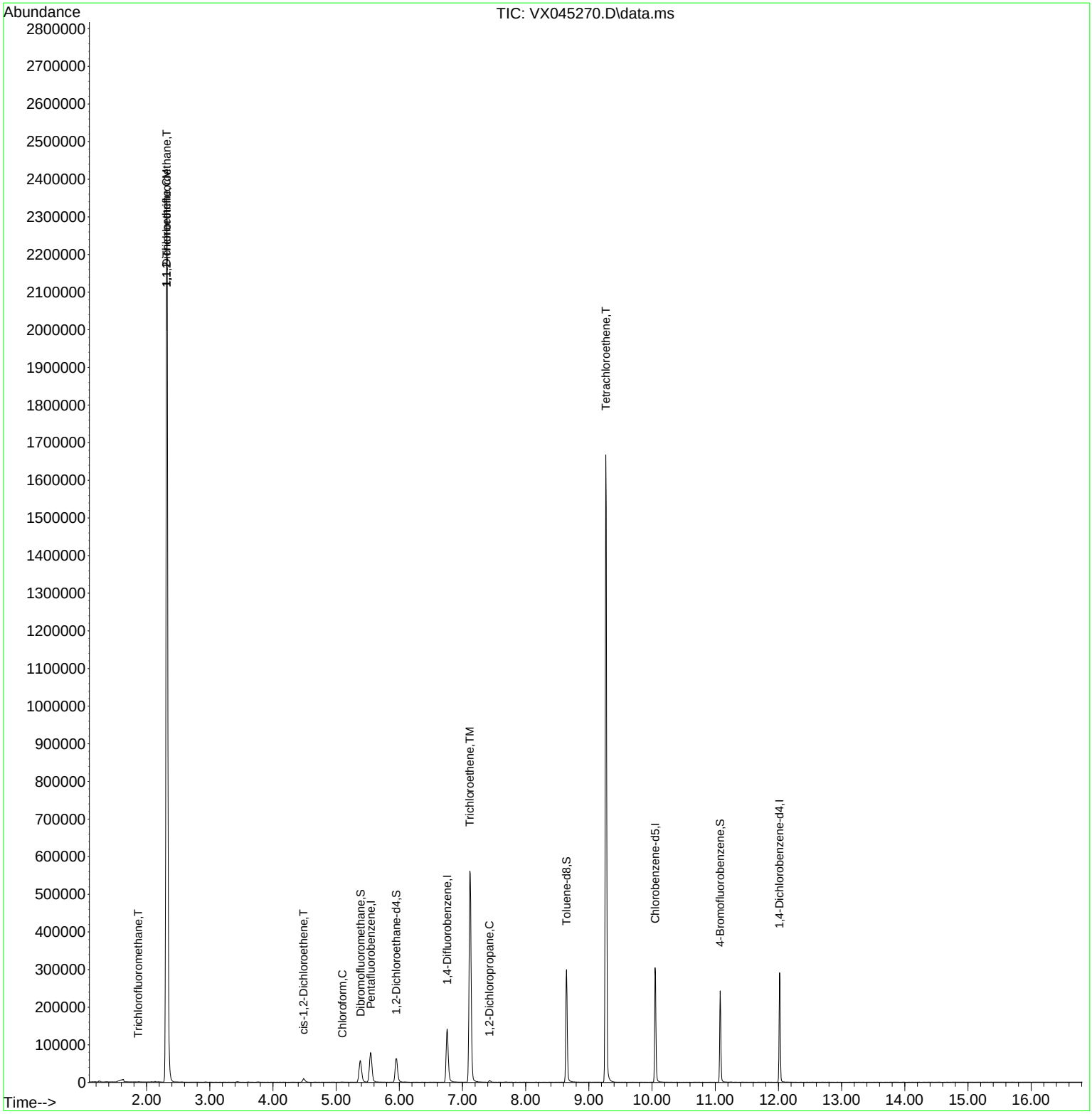
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141729	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63045	55.357	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	5.385	113	49789	52.536	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.080%			
50) Toluene-d8	8.647	98	177503	51.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	11.079	95	61704	54.197	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.400%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.868	101	496	0.342	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.319	101	943563	1133.889	ug/l	98
12) 1,1-Dichloroethene	2.313	96	7686	8.736	ug/l	83
27) cis-1,2-Dichloroethene	4.483	96	5875	5.476	ug/l	93
30) Chloroform	5.099	83	908	0.512	ug/l	88
44) Trichloroethene	7.117	130	208649	216.513	ug/l	97
45) 1,2-Dichloropropane	7.427	63	1985	1.881	ug/l #	89
64) Tetrachloroethene	9.269	164	293280	354.736	ug/l	98

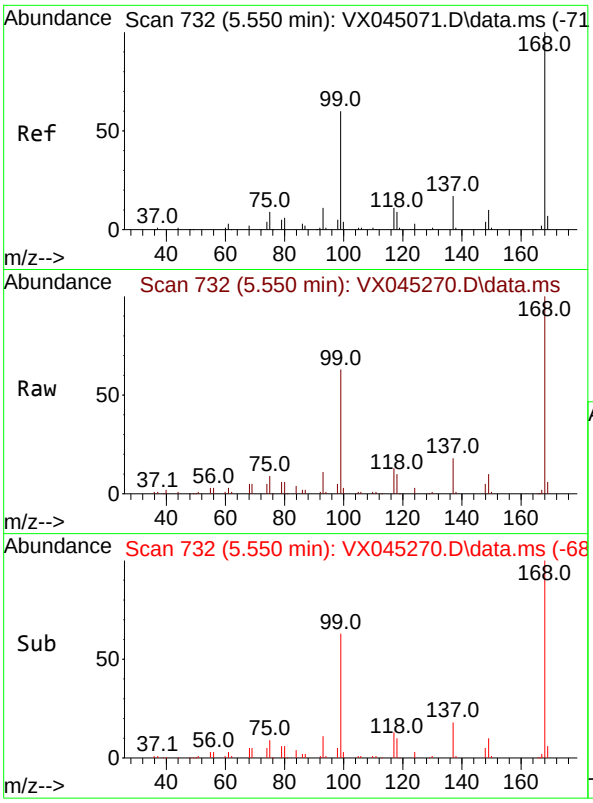
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045270.D
Acq On : 13 Mar 2025 15:33
Operator : JC/MD
Sample : Q1559-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Quant Time: Mar 14 12:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



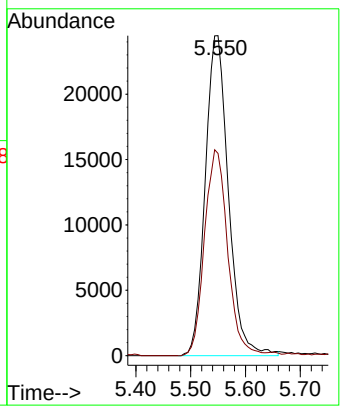


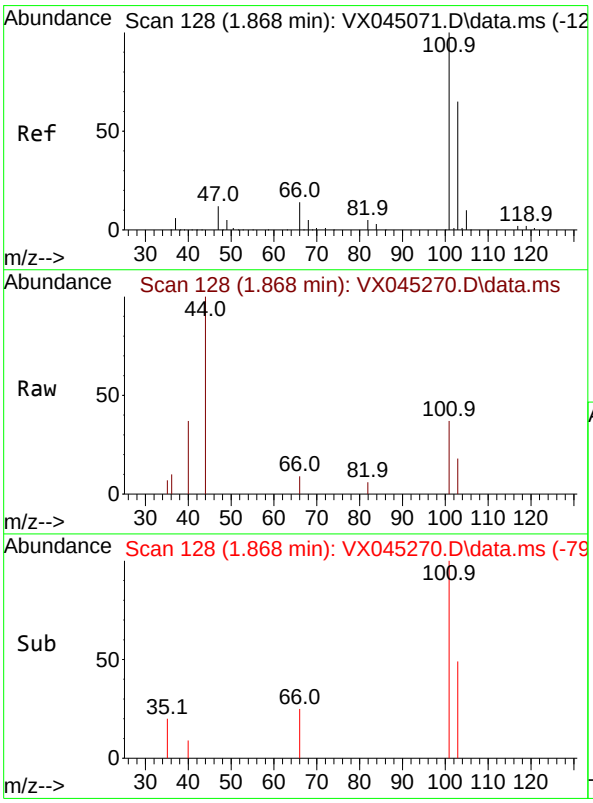
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion:168 Resp: 71598

Ion	Ratio	Lower	Upper
168	100		
99	63.2	48.2	72.4

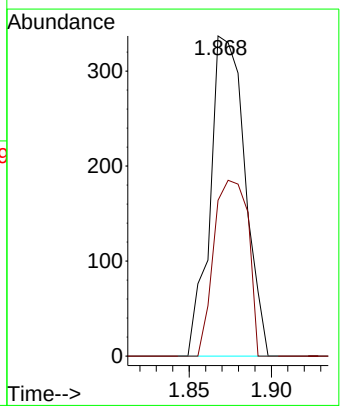


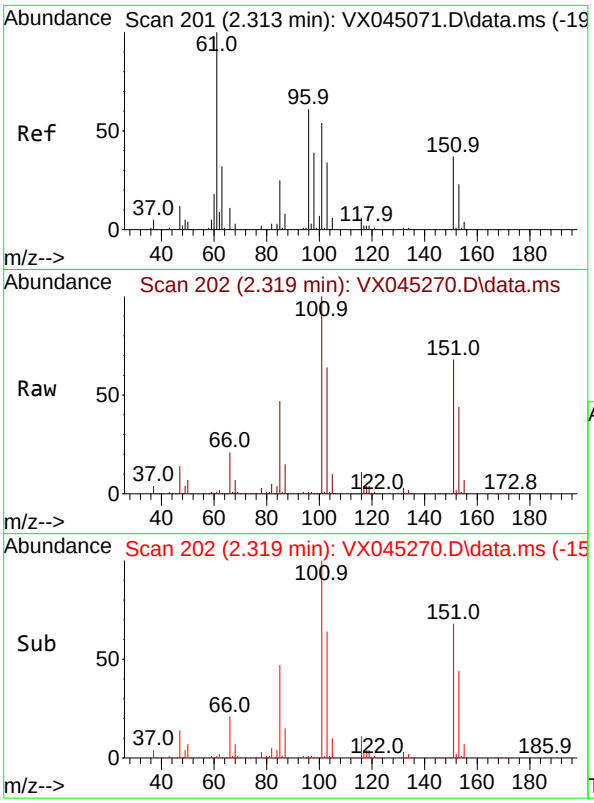


#7
Trichlorofluoromethane
Concen: 0.342 ug/l
RT: 1.868 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:101 Resp: 496

Ion	Ratio	Lower	Upper
101	100		
103	48.7	52.1	78.1#



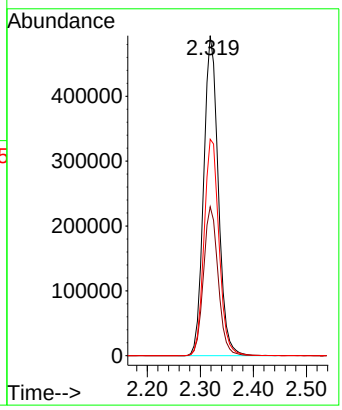


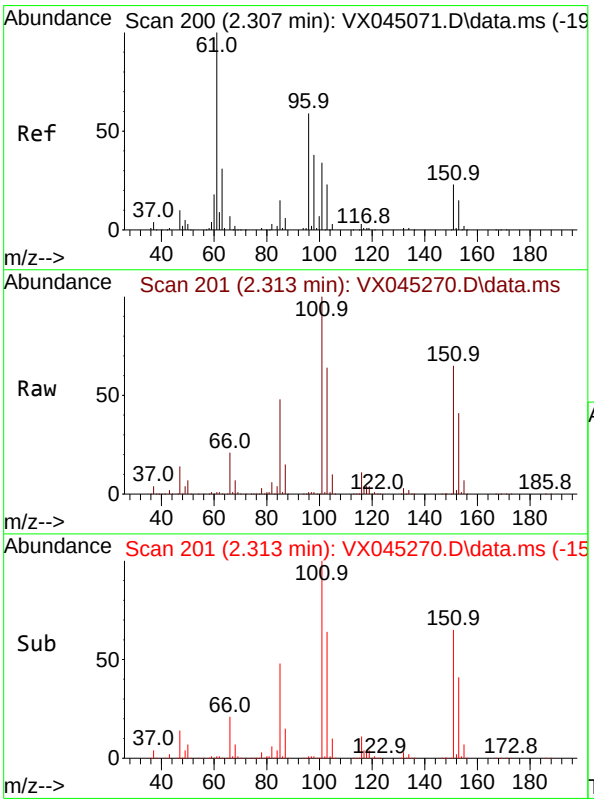
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1133.889 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion:101 Resp: 943563

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.3	56.4	84.6

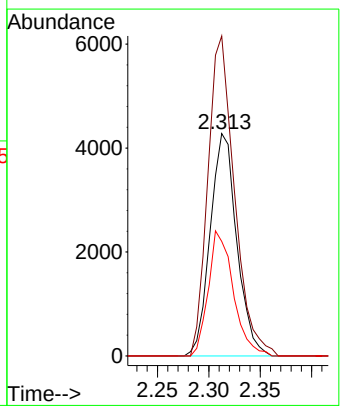


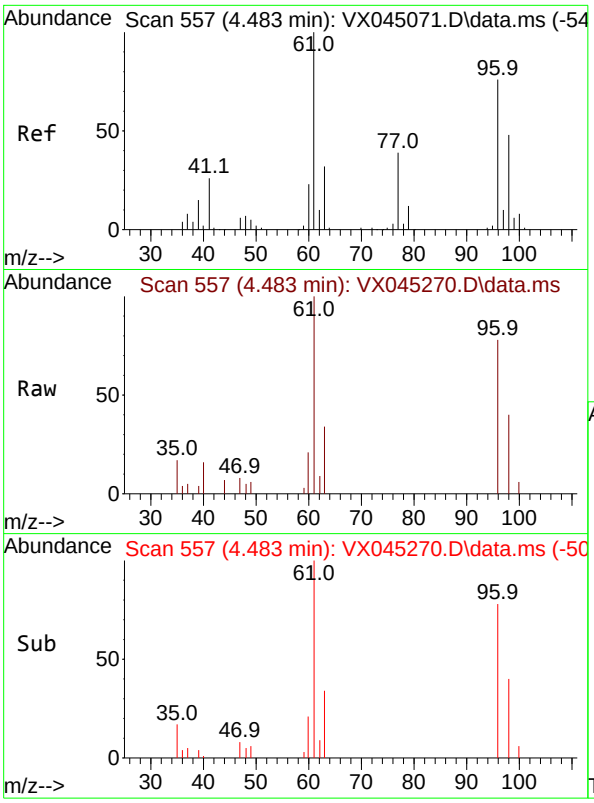


#12
1,1-Dichloroethene
Concen: 8.736 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 96 Resp: 7686

Ion	Ratio	Lower	Upper
96	100		
61	143.9	134.6	202.0
98	51.5	51.0	76.6



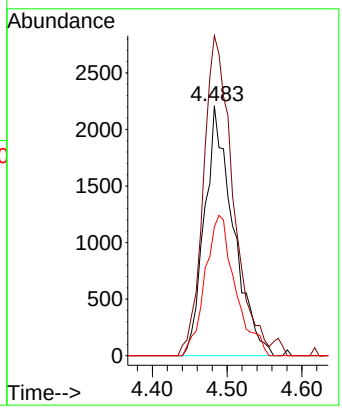


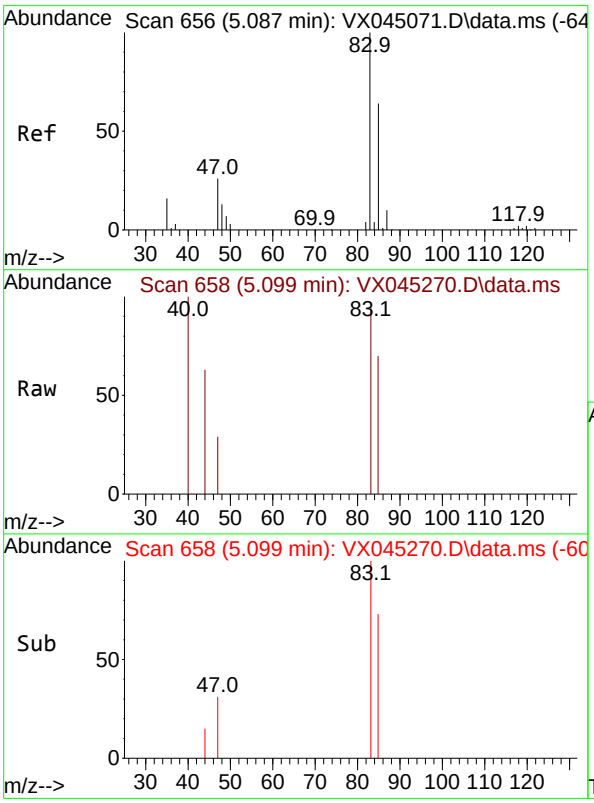
#27
cis-1,2-Dichloroethene
Concen: 5.476 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion: 96 Resp: 5875

Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	283.2
98	59.3	0.0	128.0

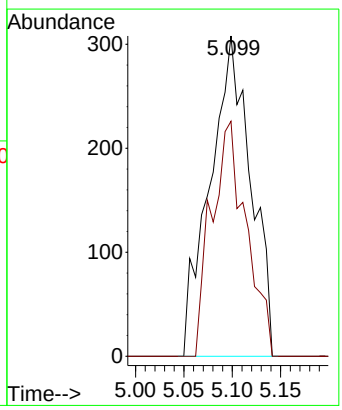


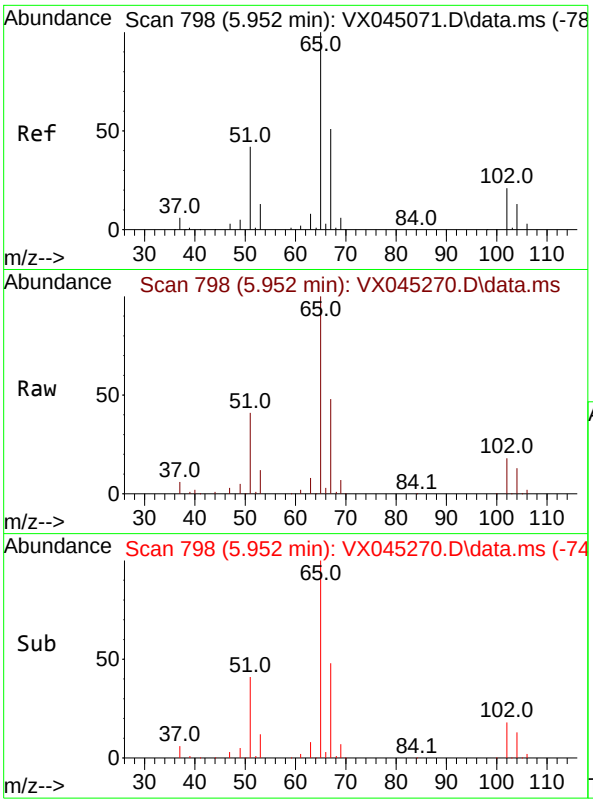


#30
Chloroform
Concen: 0.512 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 83 Resp: 908

Ion	Ratio	Lower	Upper
83	100		
85	73.4	51.4	77.2



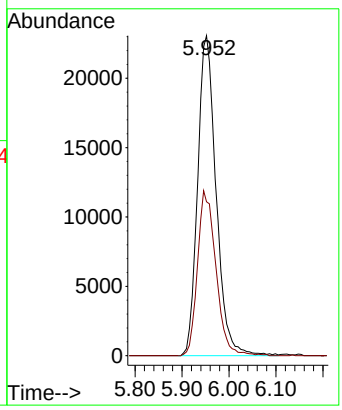


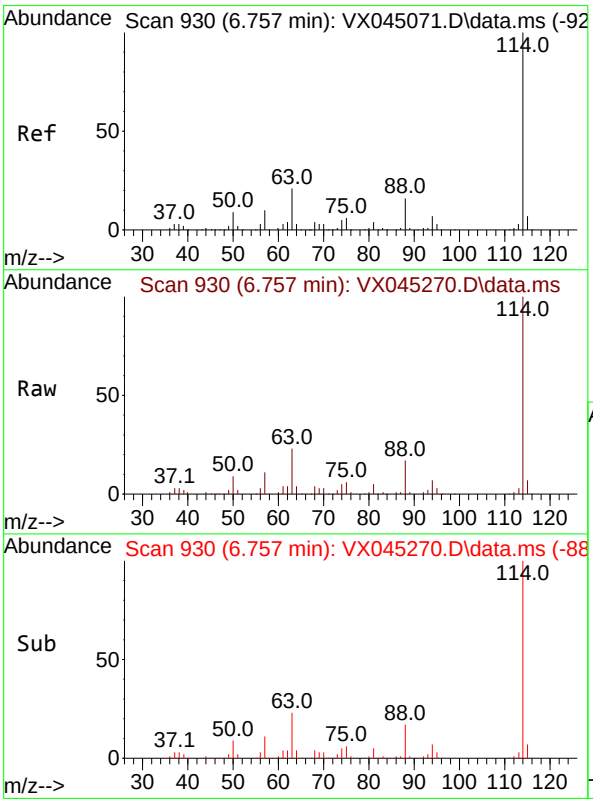
#33
1,2-Dichloroethane-d4
Concen: 55.357 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion: 65 Resp: 63045

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

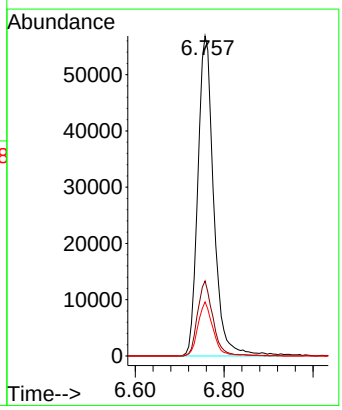


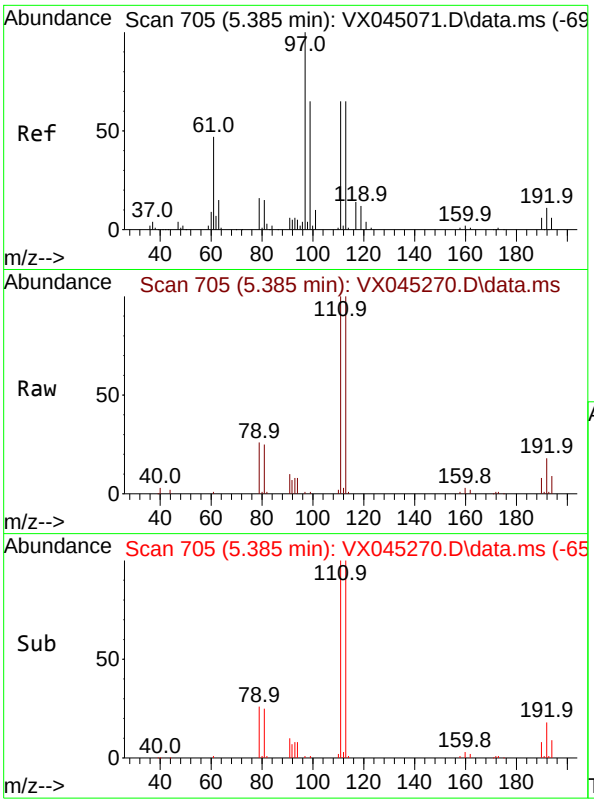


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:114 Resp: 141729

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	16.9	0.0	32.8



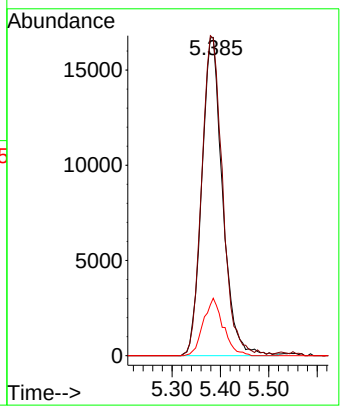


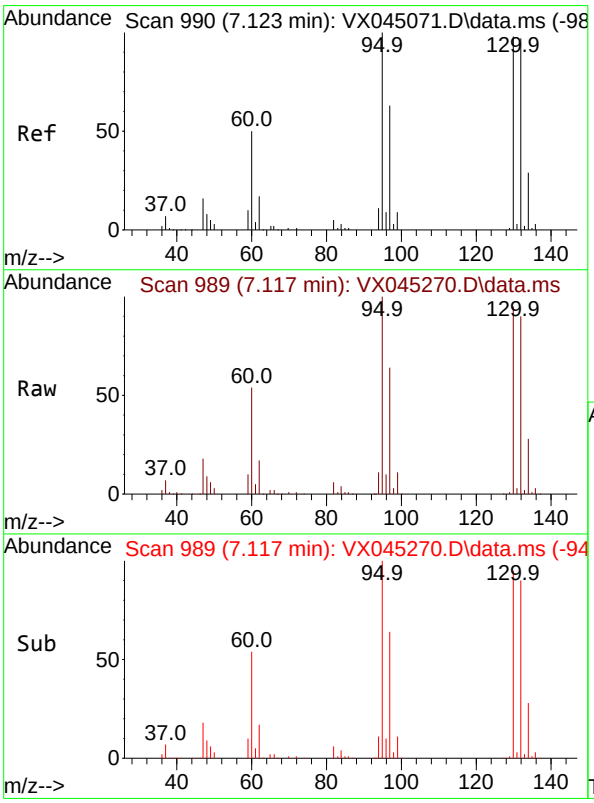
#35
Dibromofluoromethane
Concen: 52.536 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion:113 Resp: 49789

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	17.4	14.3	21.5

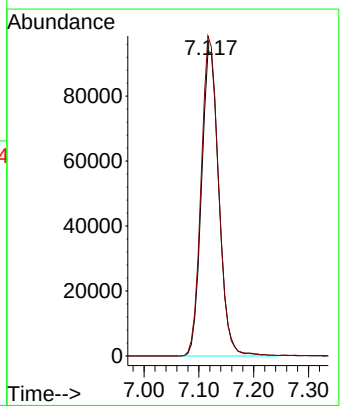


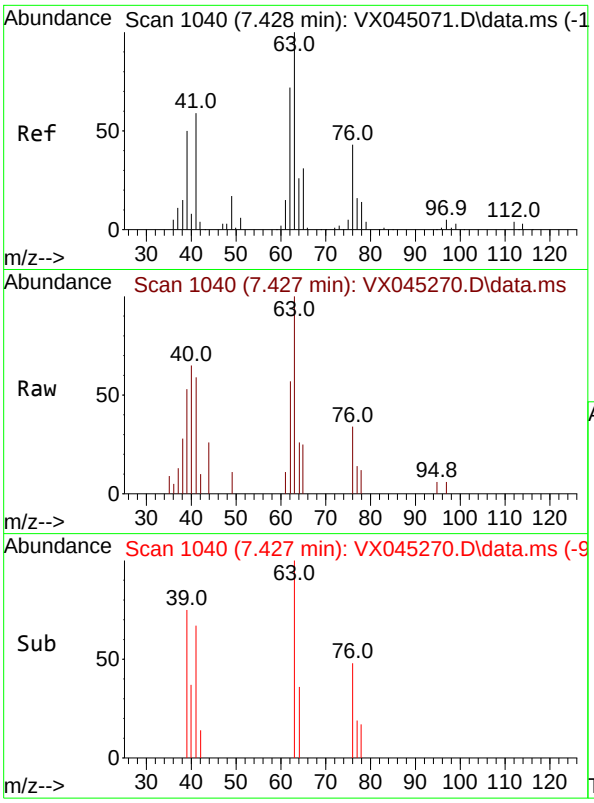


#44
Trichloroethene
Concen: 216.513 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:130 Resp: 208649

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	205.0



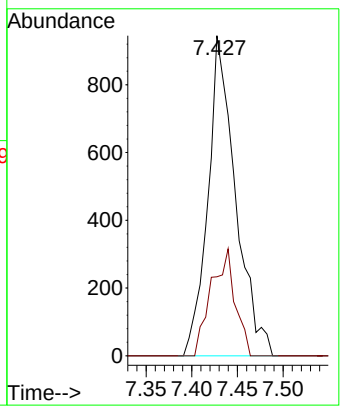


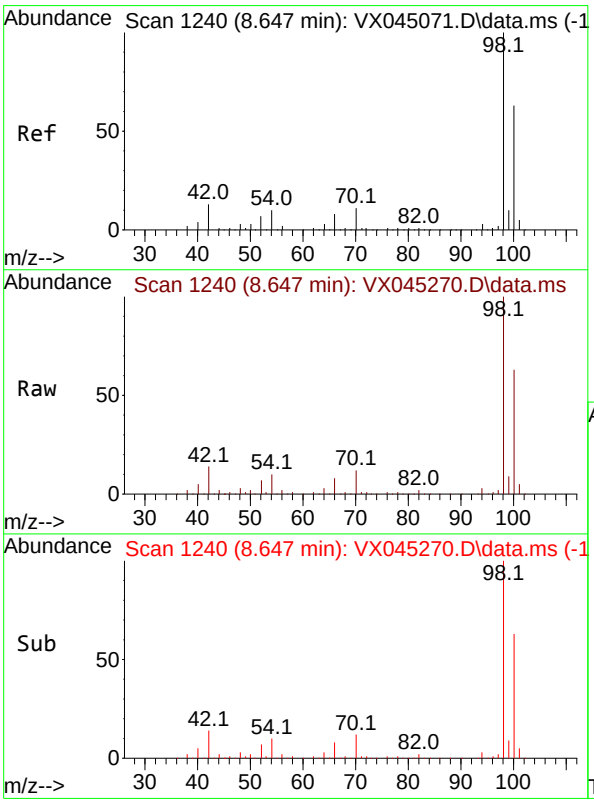
#45
1,2-Dichloropropane
Concen: 1.881 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion: 63 Resp: 1985

Ion	Ratio	Lower	Upper
63	100		
65	24.7	24.7	37.1#

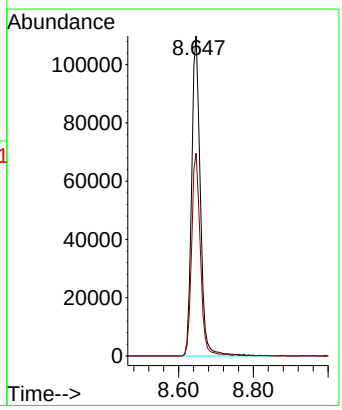


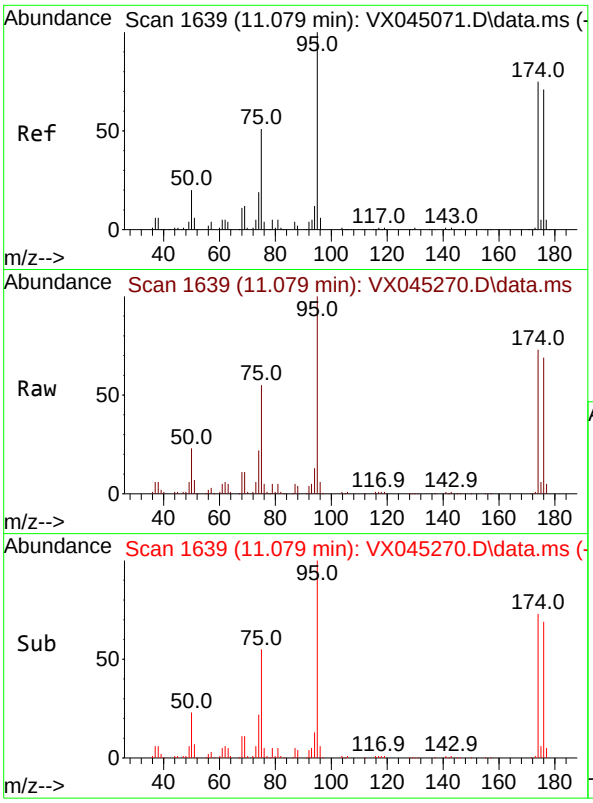


#50
Toluene-d8
Concen: 51.663 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion: 98 Resp: 177503

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.0	78.0



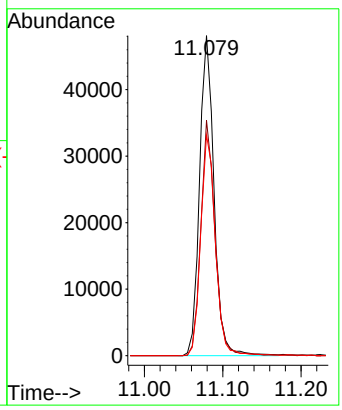


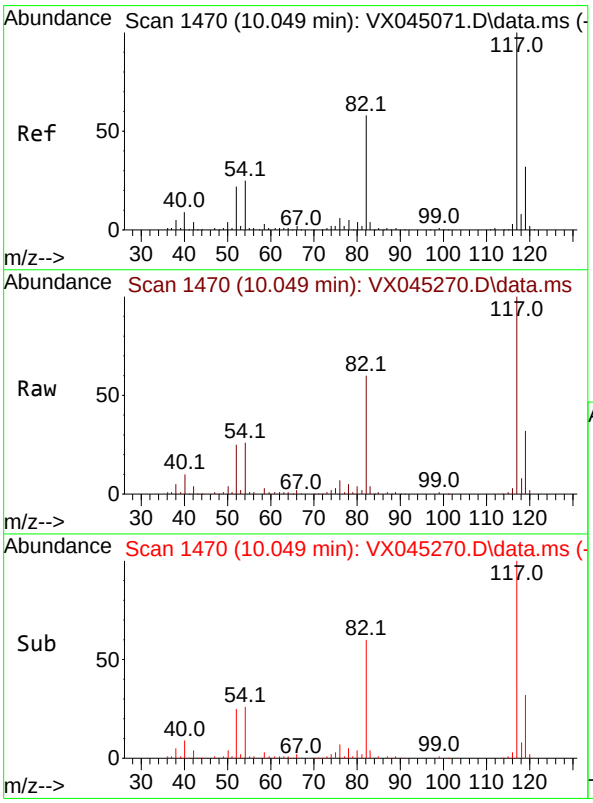
#62
4-Bromofluorobenzene
Concen: 54.197 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion: 95 Resp: 61704

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	148.2
176	70.1	0.0	141.4

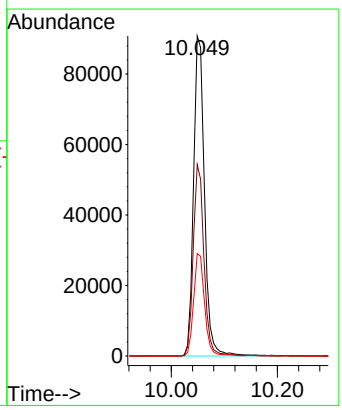


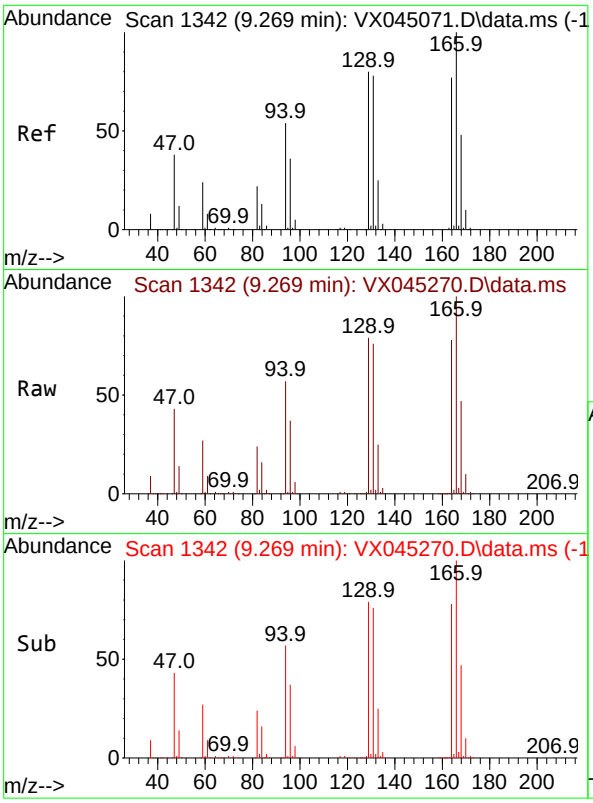


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:117 Resp: 129088

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	32.0	25.7	38.5



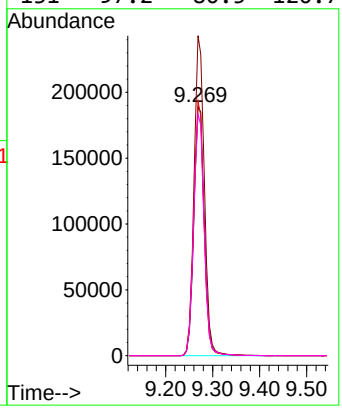


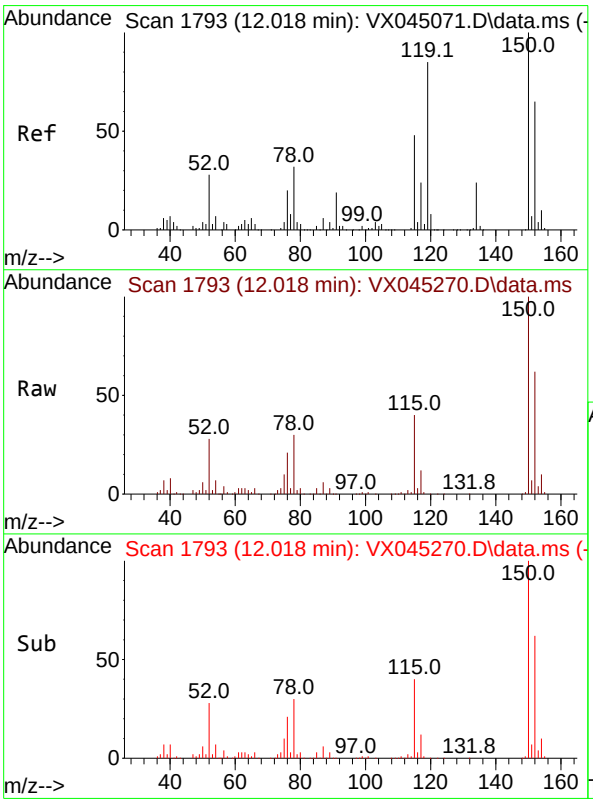
#64
Tetrachloroethene
Concen: 354.736 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310

Tgt Ion:164 Resp: 293280

Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.6	155.4
129	102.2	82.7	124.1
131	97.2	80.5	120.7

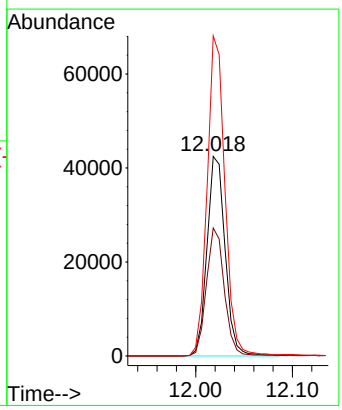




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045270.D
Acq: 13 Mar 2025 15:33

Tgt Ion:152 Resp: 55430

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	157.0	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-04DL	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
VX045321.D	20		03/18/25 13:41	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1100	D	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	UD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	220	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-04DL	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
VX045321.D	20		03/18/25 13:41	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	350	D	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70100	5.55				
540-36-3	1,4-Difluorobenzene	141000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50600	12.024				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-04DL	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
VX045321.D	20		03/18/25 13:41	VX031825

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\VX031825\
Data File : VX045321.D
Acq On : 18 Mar 2025 13:41
Operator : JC/MD
Sample : Q1559-04DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Quant Time: Mar 19 01:43:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

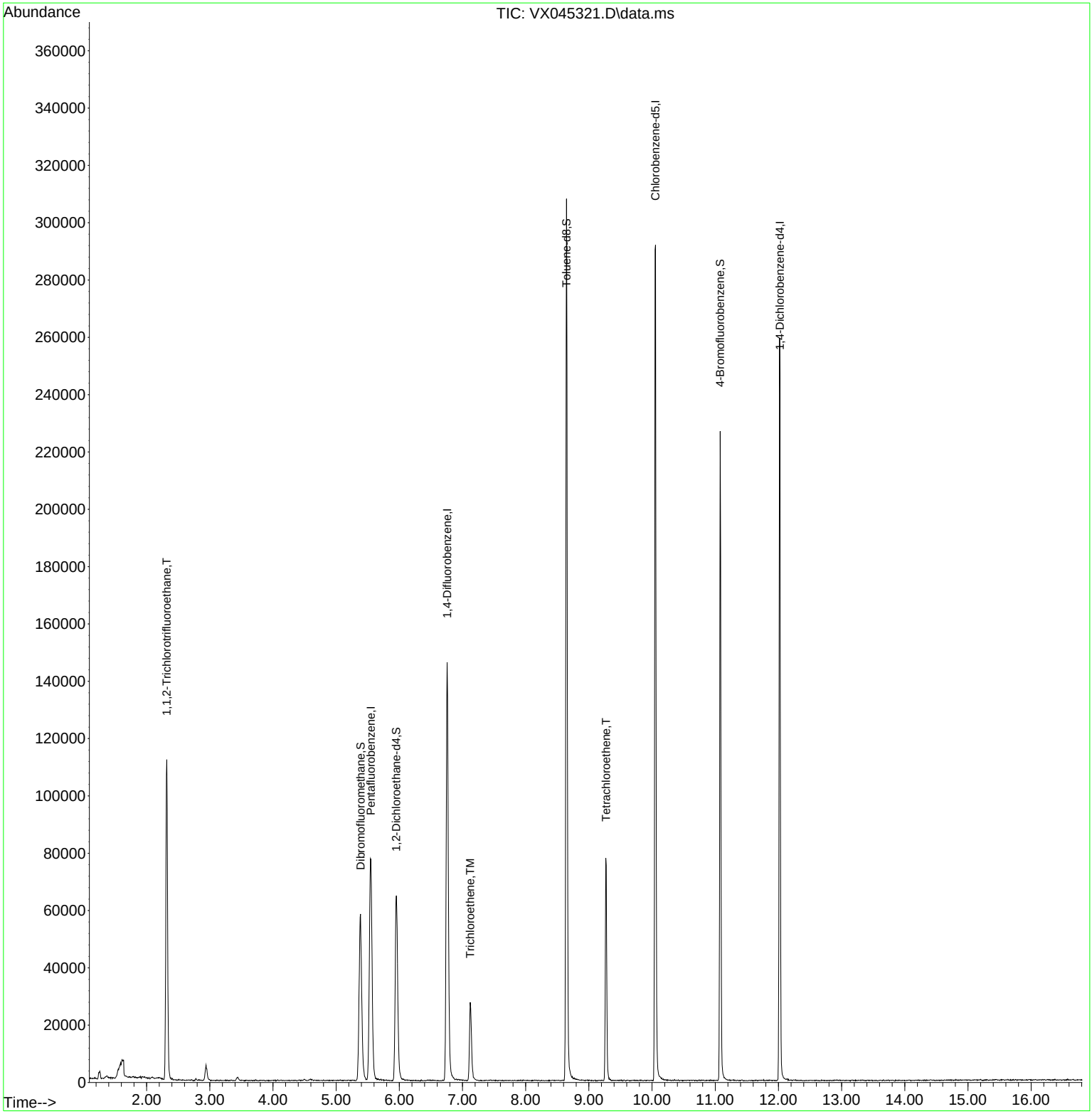
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	70052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63869	57.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.640%			
35) Dibromofluoromethane	5.385	113	49919	52.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	8.647	98	176143	51.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.980%			
62) 4-Bromofluorobenzene	11.079	95	58887	51.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.900%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	43928	53.954	ug/l	99
44) Trichloroethene	7.123	130	10358	10.795	ug/l	99
64) Tetrachloroethene	9.275	164	14394	17.574	ug/l	94

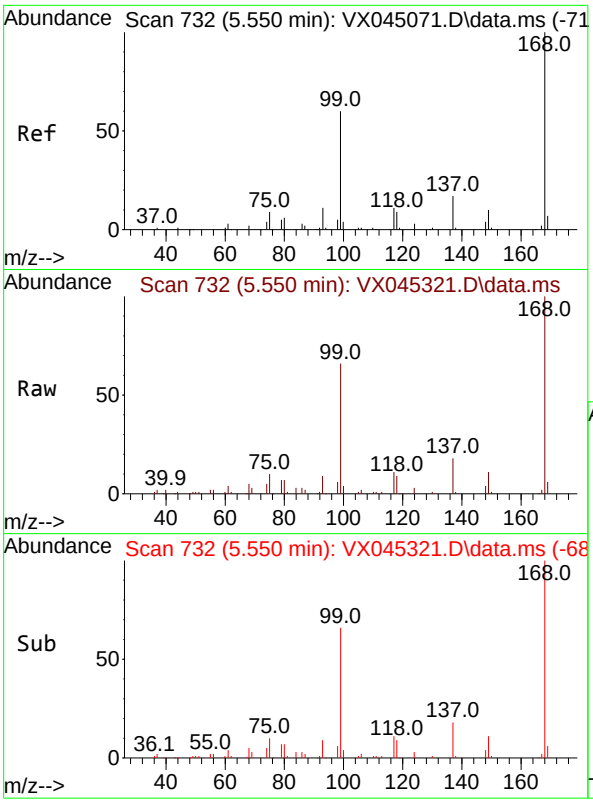
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045321.D
Acq On : 18 Mar 2025 13:41
Operator : JC/MD
Sample : Q1559-04DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Quant Time: Mar 19 01:43:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



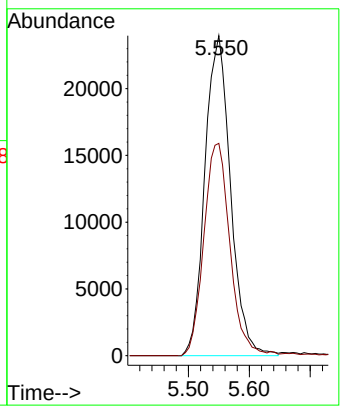


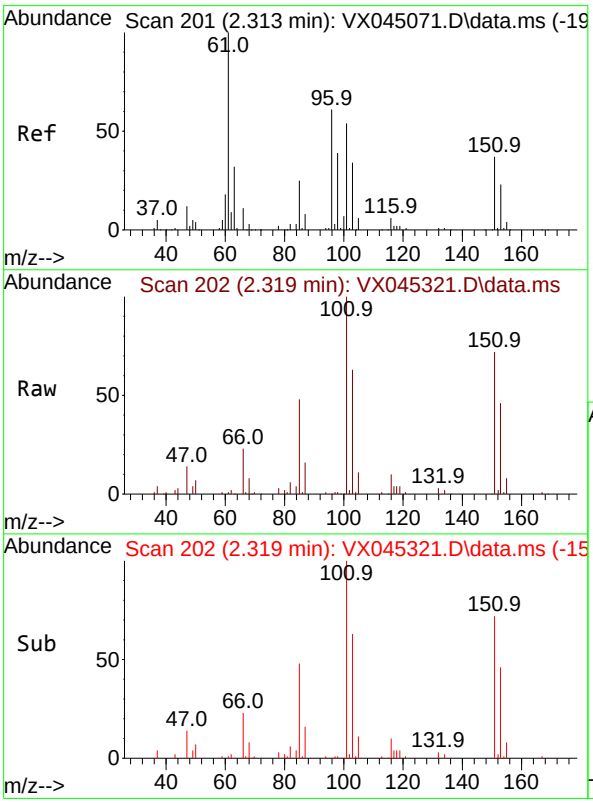
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion:168 Resp: 70052

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.2	72.4

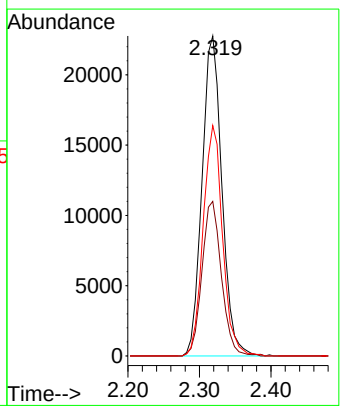


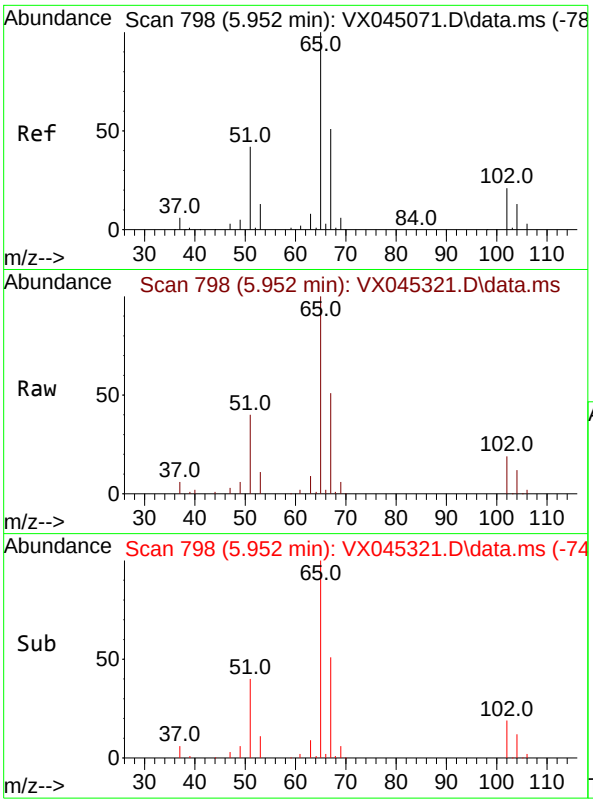


#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.954 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:101 Resp: 43928

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	70.4	56.4	84.6



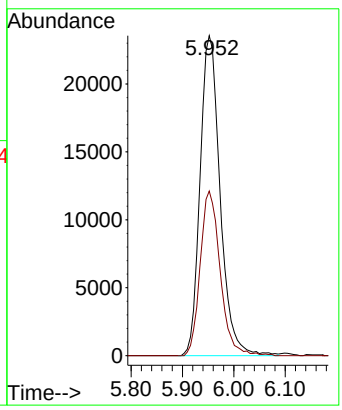


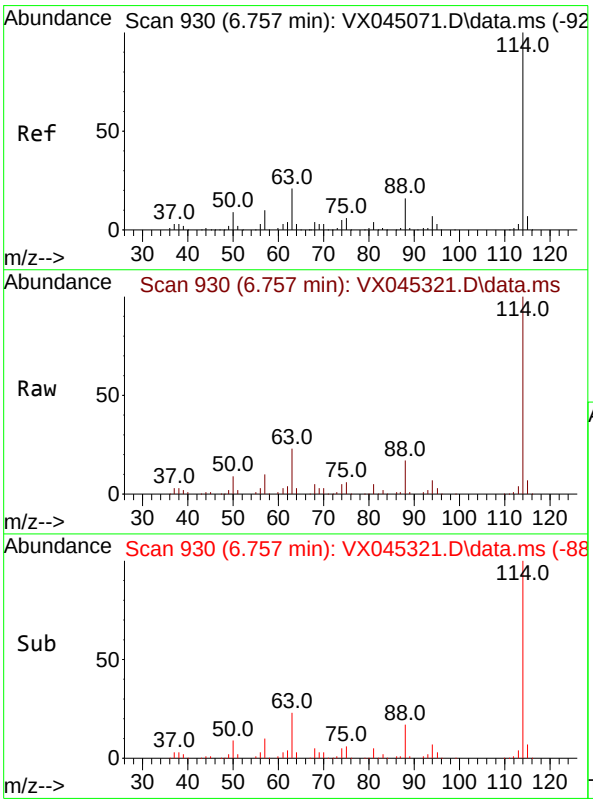
#33
1,2-Dichloroethane-d4
Concen: 57.319 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion: 65 Resp: 63869

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

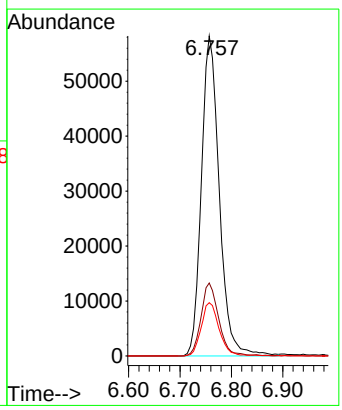


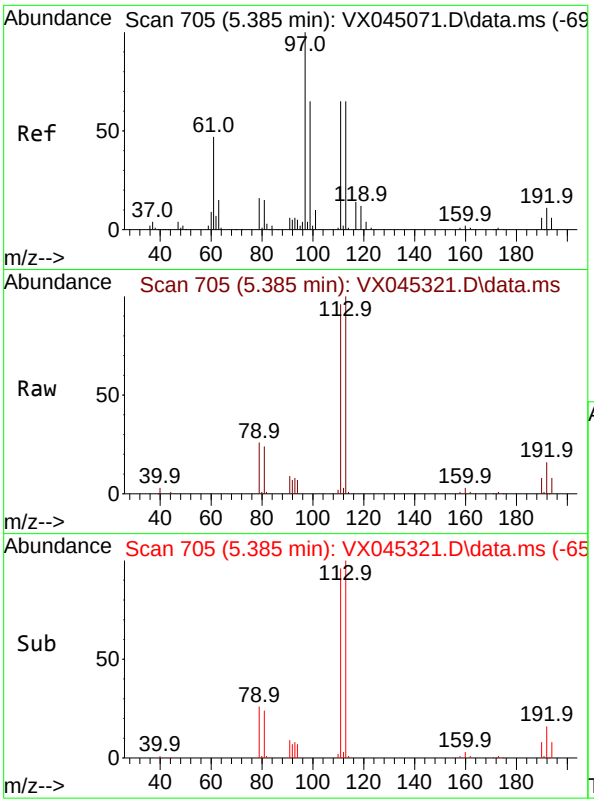


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:114 Resp: 141111

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.7	0.0	32.8



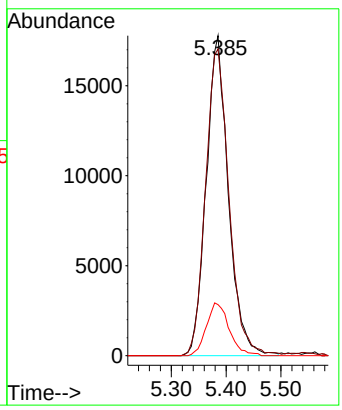


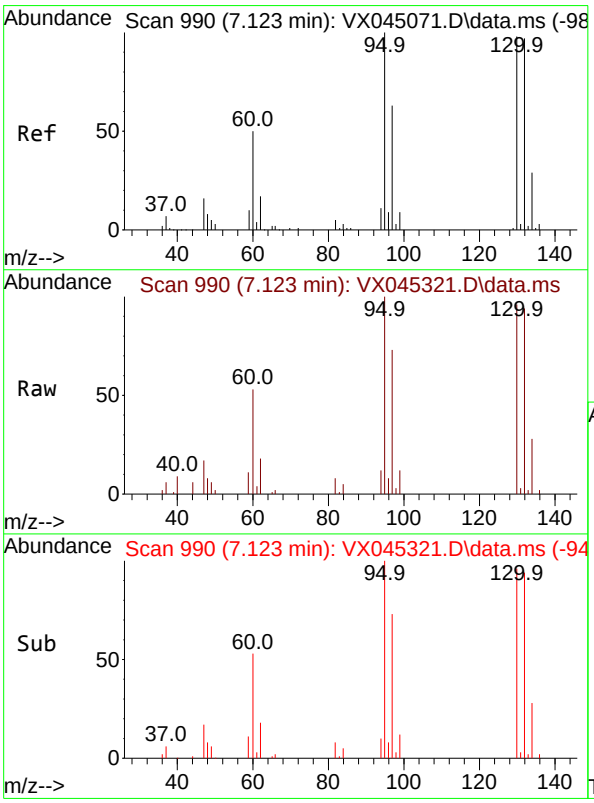
#35
Dibromofluoromethane
Concen: 52.904 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion:113 Resp: 49919

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	16.9	14.3	21.5

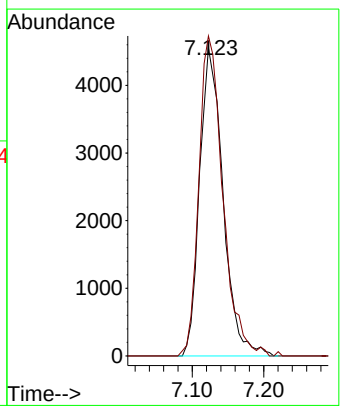


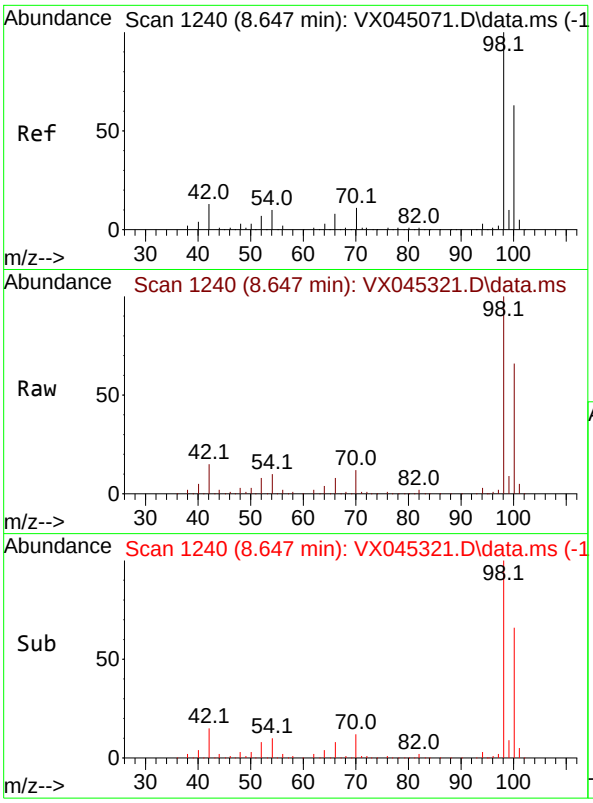


#44
Trichloroethene
Concen: 10.795 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:130 Resp: 10358

Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	205.0



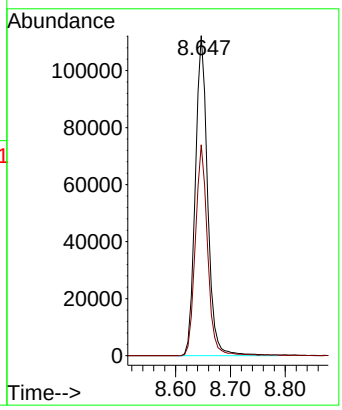


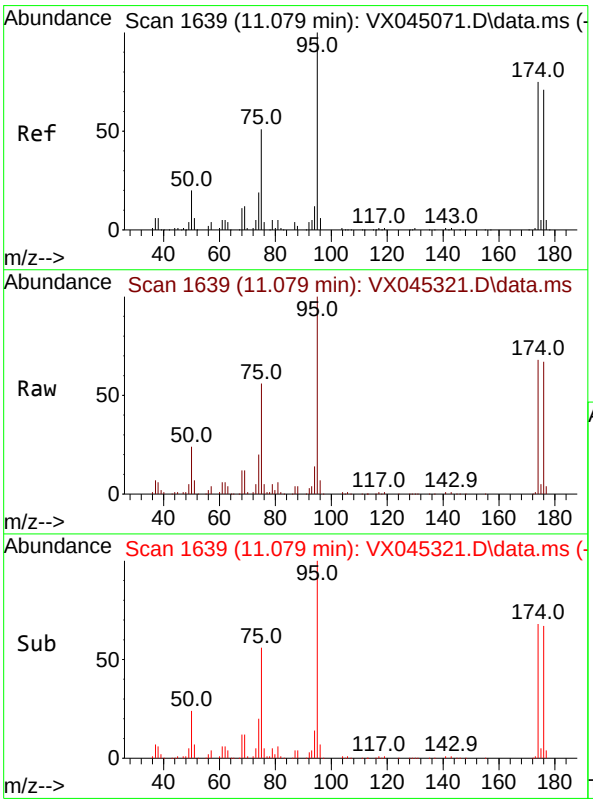
#50
Toluene-d8
Concen: 51.492 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion: 98 Resp: 176143

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

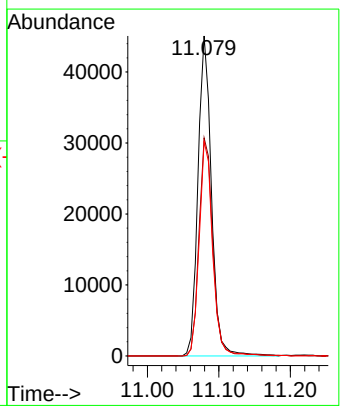


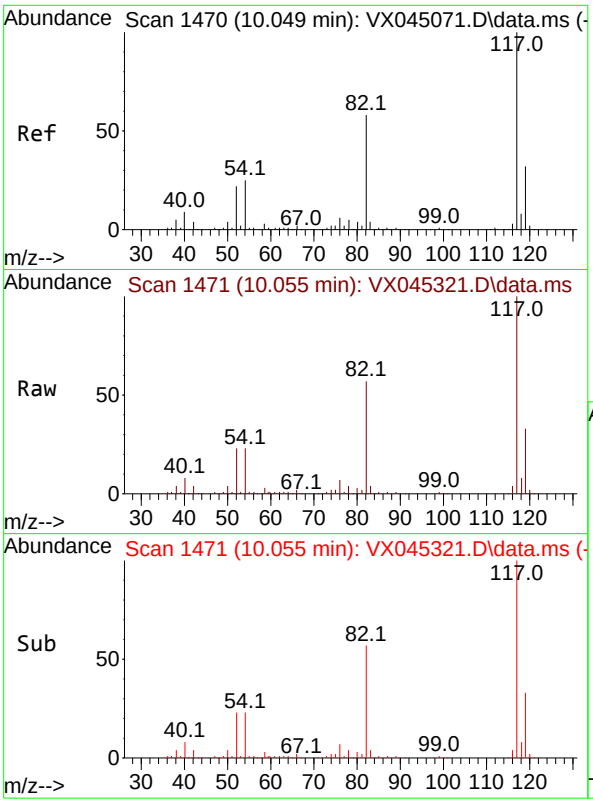


#62
4-Bromofluorobenzene
Concen: 51.949 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion: 95 Resp: 58887

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	67.0	0.0	141.4



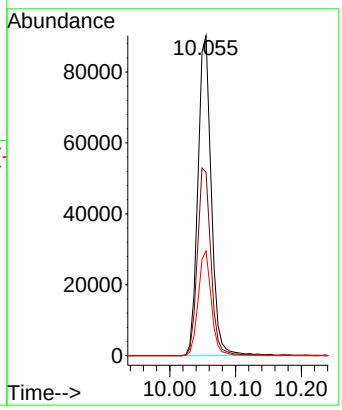


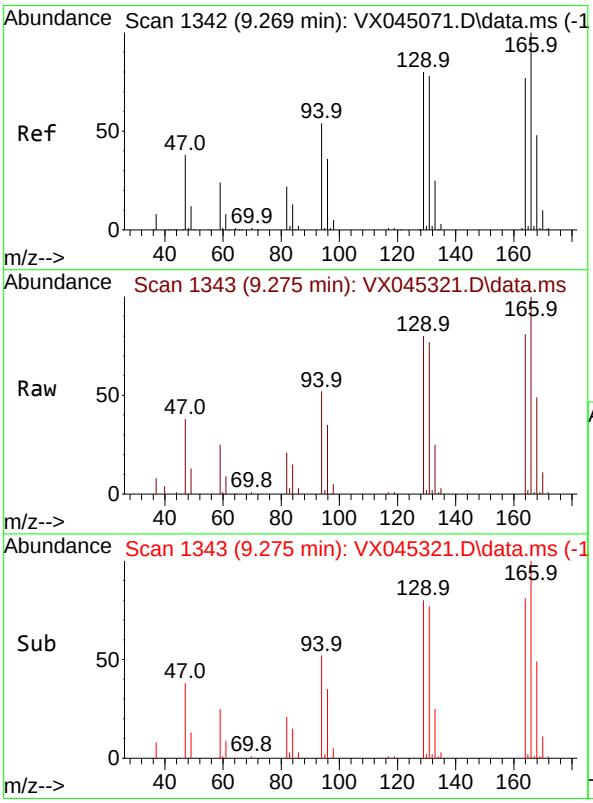
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion:117 Resp: 127887

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.3	69.5
119	32.7	25.7	38.5

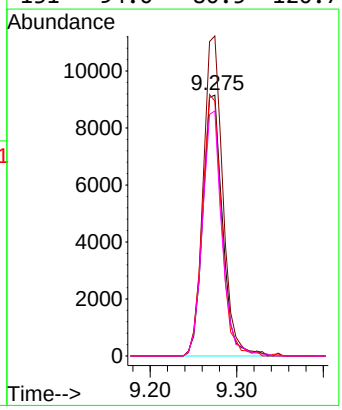


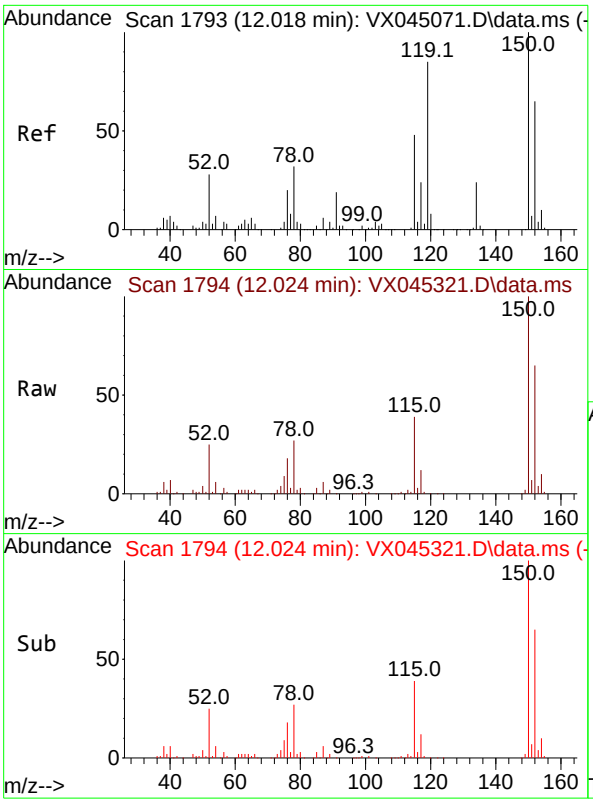


#64
Tetrachloroethene
Concen: 17.574 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:164 Resp: 14394

Ion	Ratio	Lower	Upper
164	100		
166	122.7	103.6	155.4
129	97.7	82.7	124.1
131	94.0	80.5	120.7



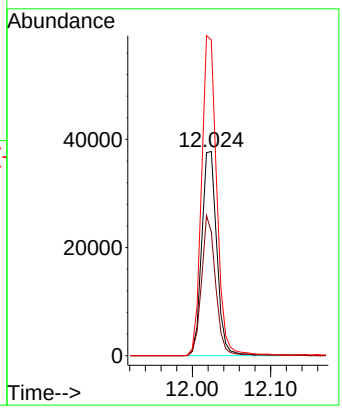


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

Tgt Ion:152 Resp: 50569

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.2	132.6
150	157.5	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045271.D	1		03/13/25 15:56	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	540	E	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.10		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	1.30		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	43.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.30		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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045271.D	1		03/13/25 15:56	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	35.4		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.0		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66400	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	52900	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045271.D	1		03/13/25 15:56	VX031325

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\VX031325\
Data File : VX045271.D
Acq On : 13 Mar 2025 15:56
Operator : JC/MD
Sample : Q1559-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Quant Time: Mar 14 12:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

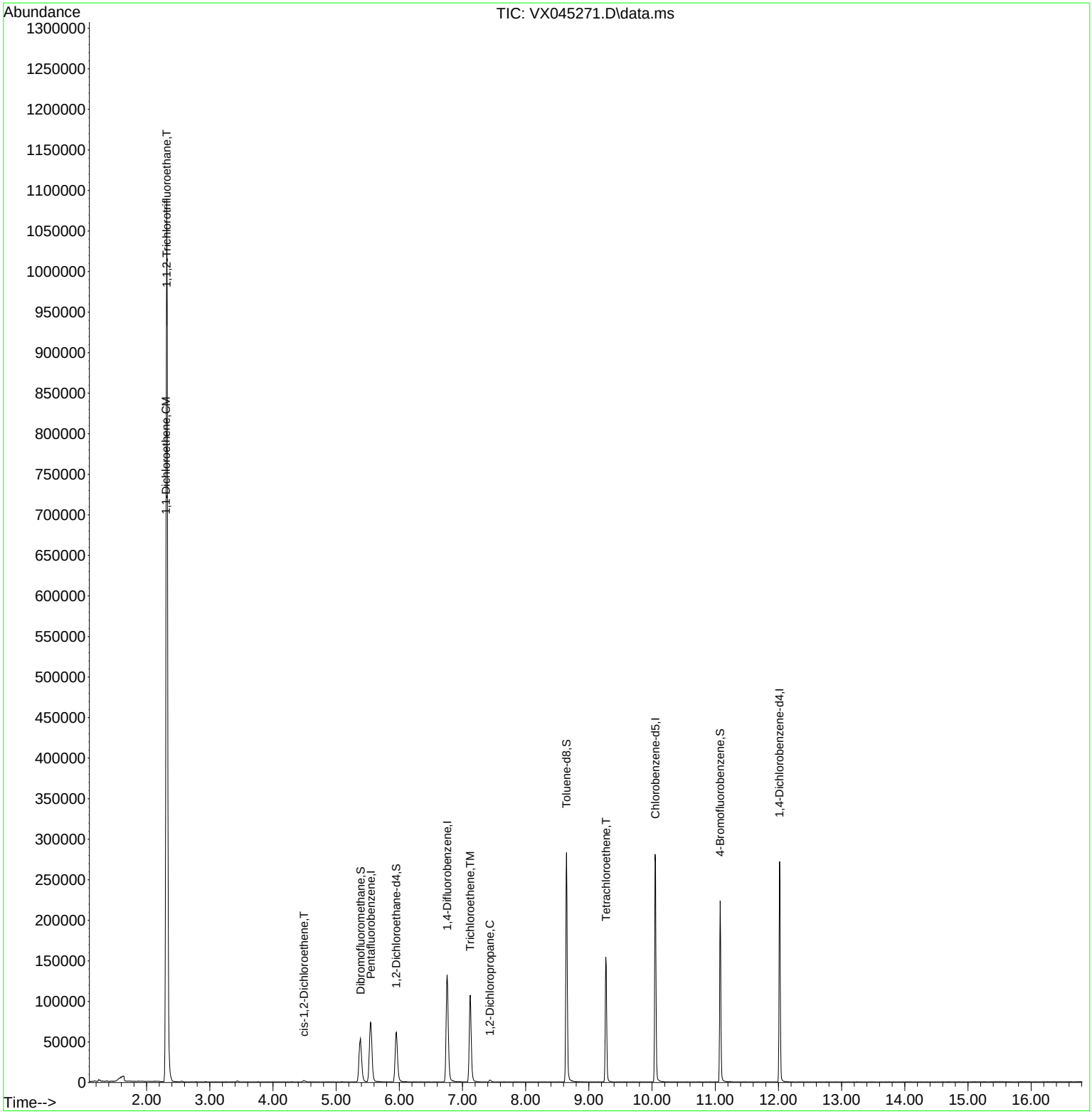
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	66430	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	130303	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	122058	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52853	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	59159	55.986	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.980%				
35) Dibromofluoromethane	5.385	113	46341	53.186	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.380%				
50) Toluene-d8	8.647	98	165311	52.334	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.660%				
62) 4-Bromofluorobenzene	11.079	95	56749	54.216	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.440%				
Target Compounds							Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	419854	543.794	ug/l		99
12) 1,1-Dichloroethene	2.306	96	2503	3.066	ug/l	#	87
27) cis-1,2-Dichloroethene	4.489	96	1322	1.328	ug/l		89
44) Trichloroethene	7.123	130	38062	42.960	ug/l		99
45) 1,2-Dichloropropane	7.434	63	1244	1.282	ug/l	#	87
64) Tetrachloroethene	9.275	164	27688	35.419	ug/l		95

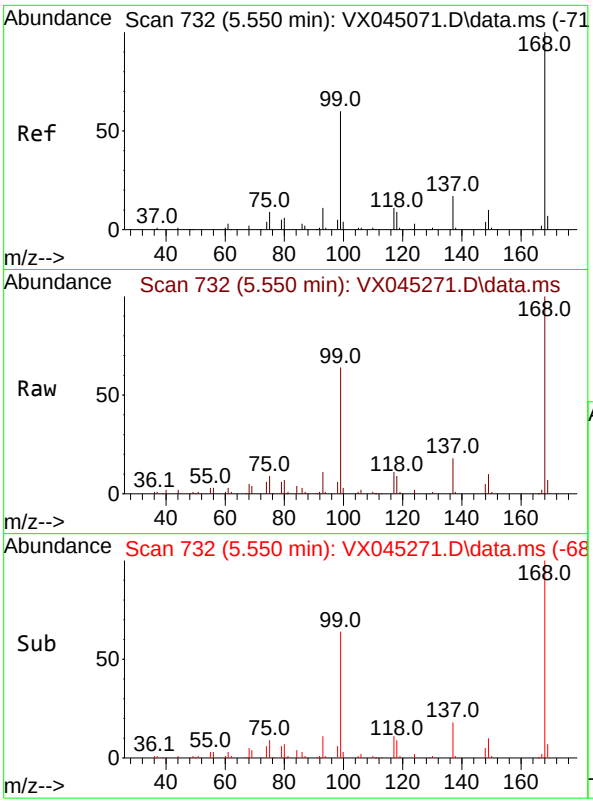
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045271.D
Acq On : 13 Mar 2025 15:56
Operator : JC/MD
Sample : Q1559-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Quant Time: Mar 14 12:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



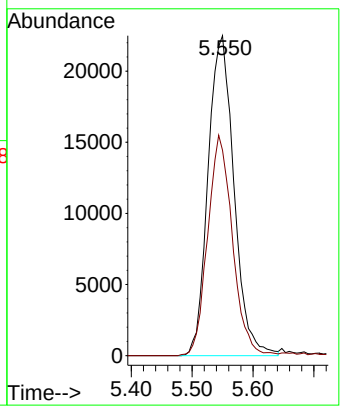


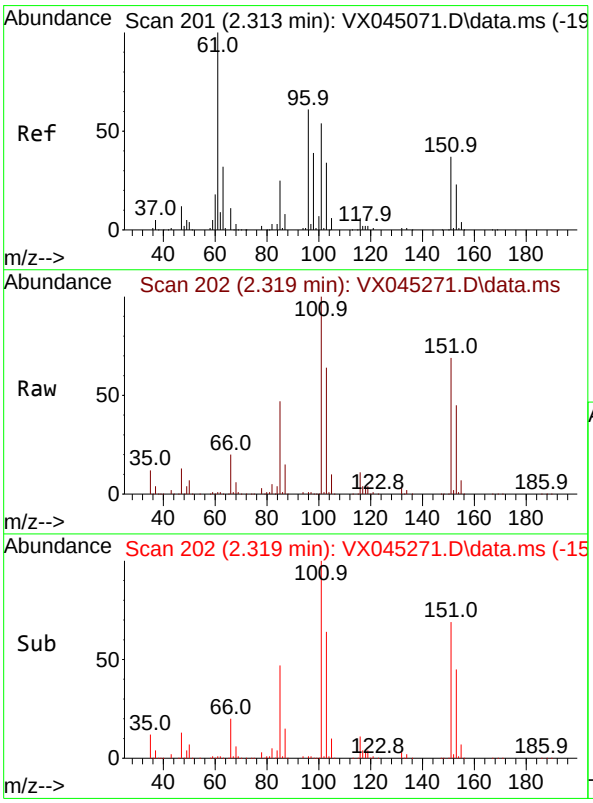
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion:168 Resp: 66430

Ion	Ratio	Lower	Upper
168	100		
99	64.2	48.2	72.4

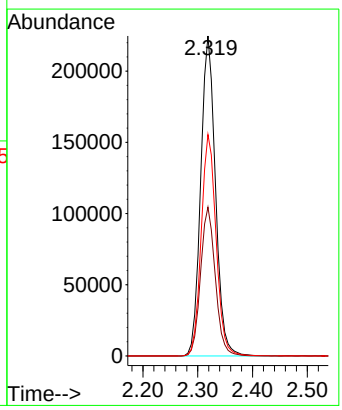


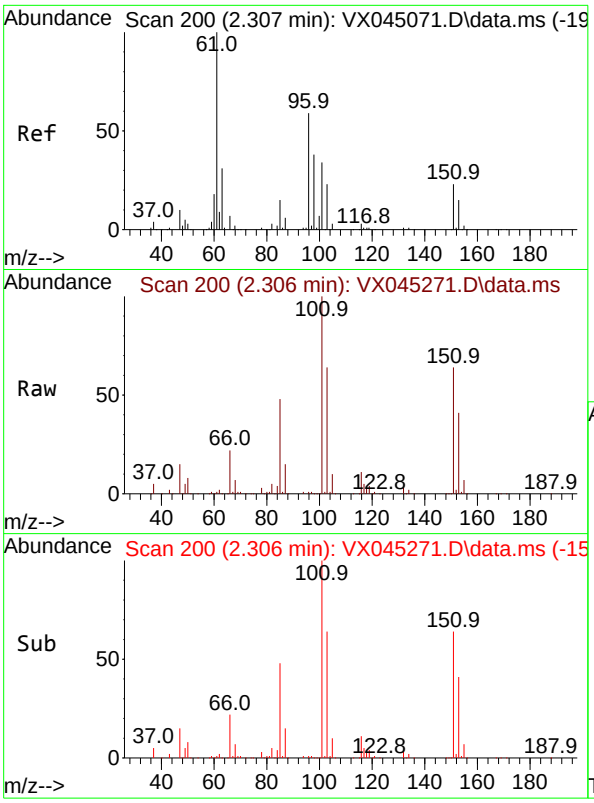


#9
1,1,2-Trichlorotrifluoroethane
Concen: 543.794 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:101 Resp: 419854

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	69.8	56.4	84.6



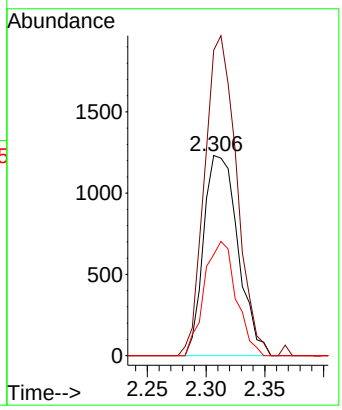


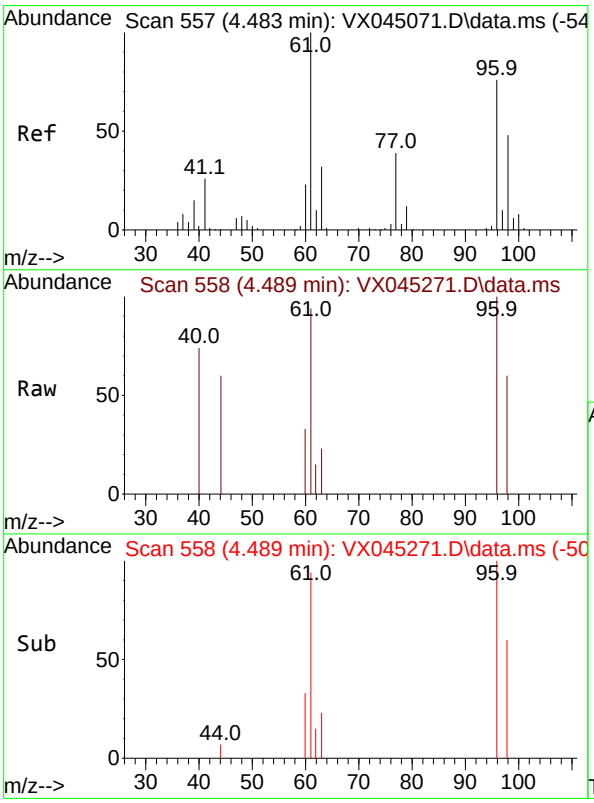
#12
1,1-Dichloroethene
Concen: 3.066 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion: 96 Resp: 2503

Ion	Ratio	Lower	Upper
96	100		
61	152.5	134.6	202.0
98	50.5	51.0	76.6#

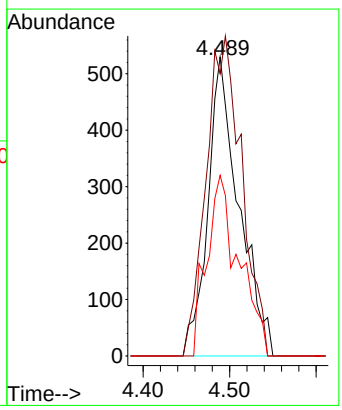


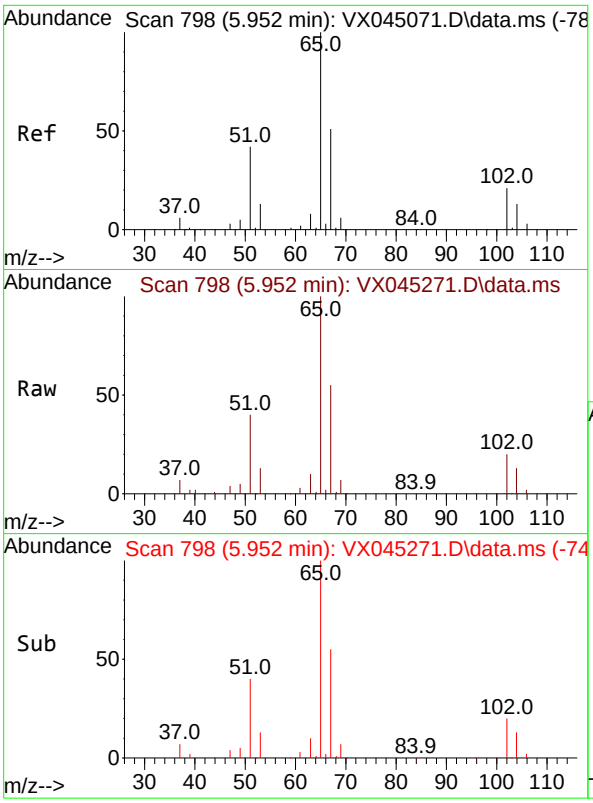


#27
cis-1,2-Dichloroethene
Concen: 1.328 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 96 Resp: 1322

Ion	Ratio	Lower	Upper
96	100		
61	122.4	0.0	283.2
98	62.6	0.0	128.0



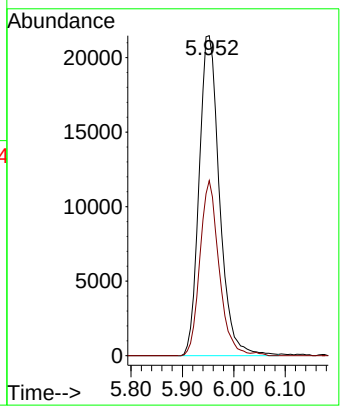


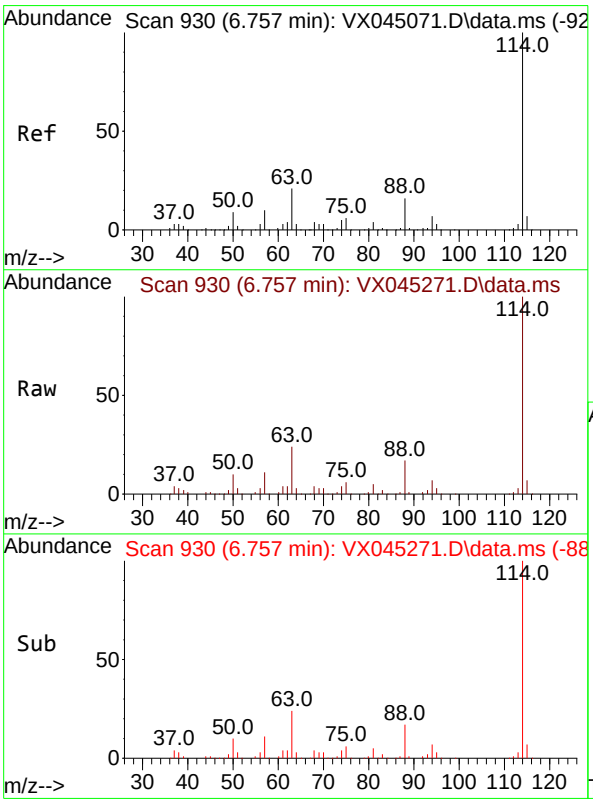
#33
1,2-Dichloroethane-d4
Concen: 55.986 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion: 65 Resp: 59159

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

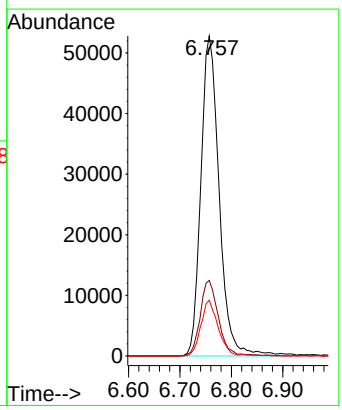


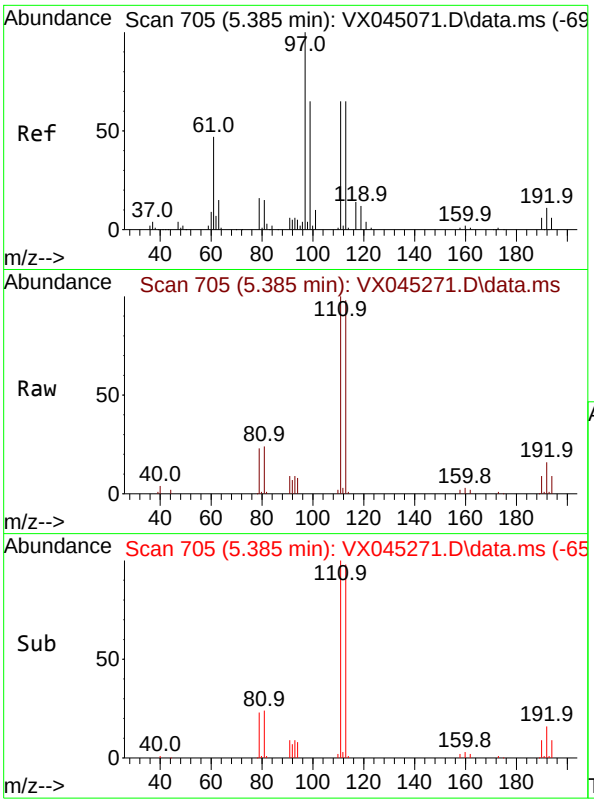


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:114 Resp: 130303

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	41.8
88	17.4	0.0	32.8



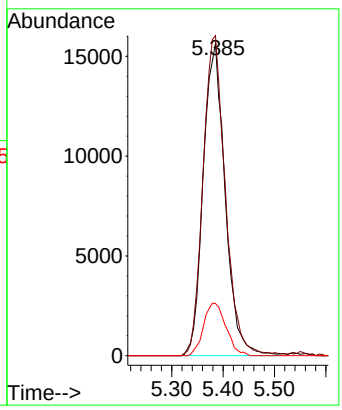


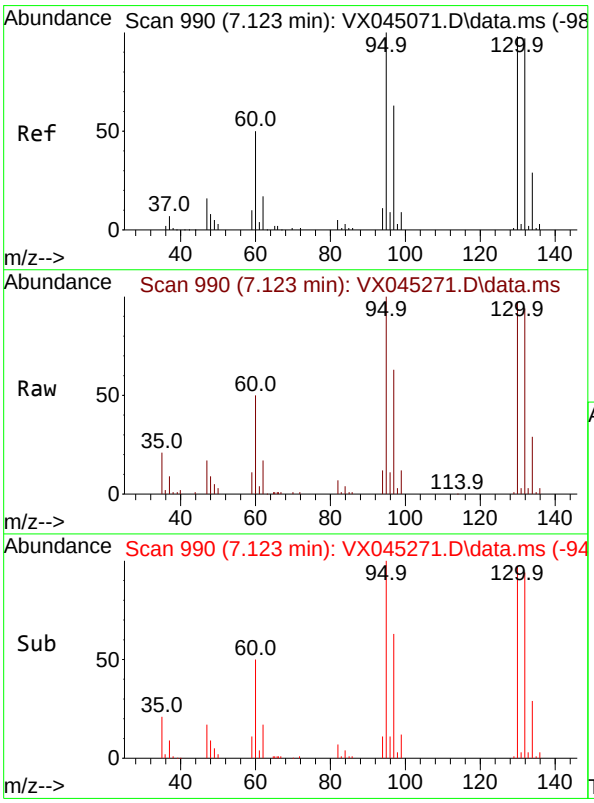
#35
Dibromofluoromethane
Concen: 53.186 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion:113 Resp: 46341

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	17.2	14.3	21.5

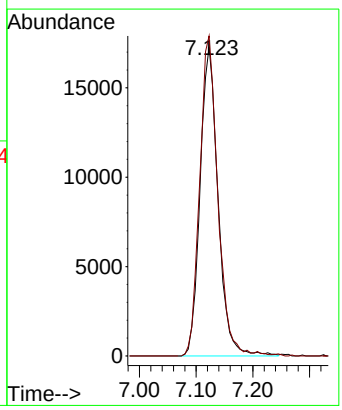


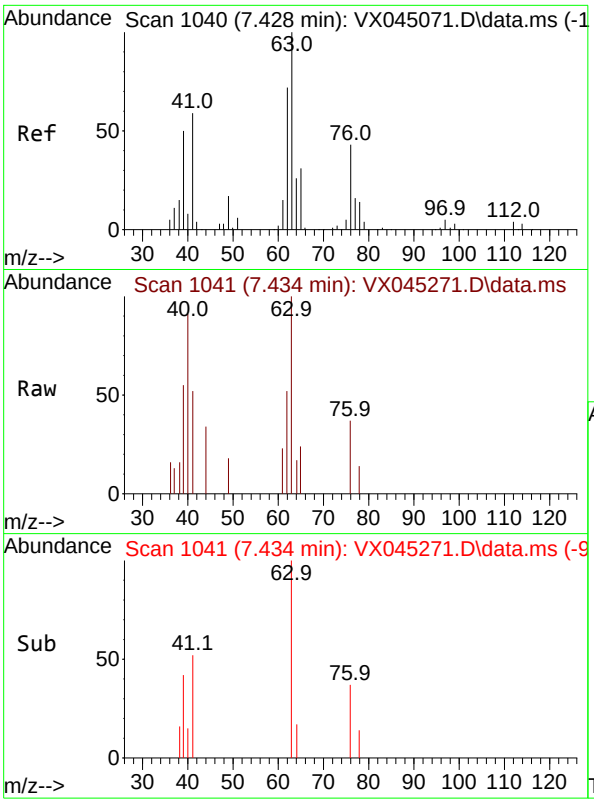


#44
Trichloroethene
Concen: 42.960 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:130 Resp: 38062

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	205.0



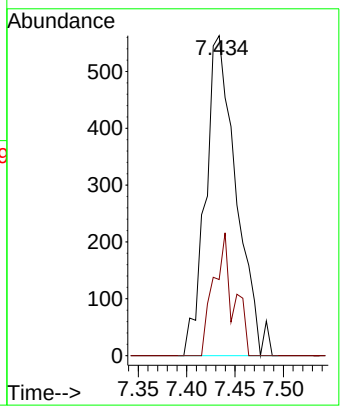


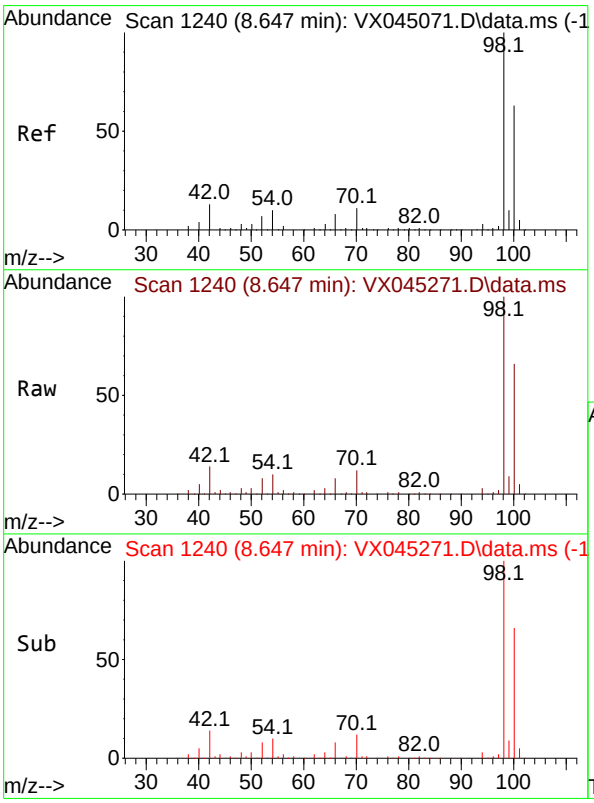
#45
1,2-Dichloropropane
Concen: 1.282 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion: 63 Resp: 1244

Ion	Ratio	Lower	Upper
63	100		
65	23.8	24.7	37.1#

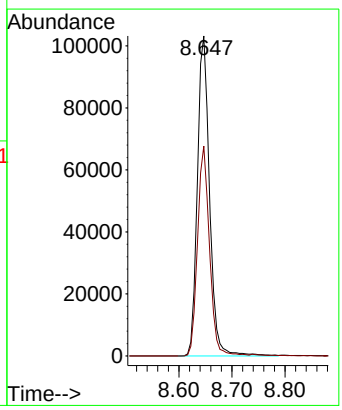


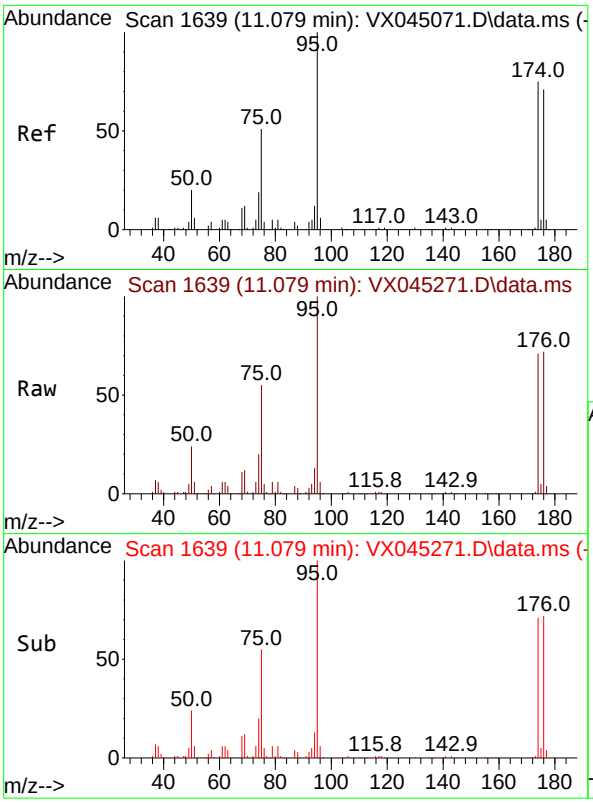


#50
Toluene-d8
Concen: 52.334 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 98 Resp: 165311

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



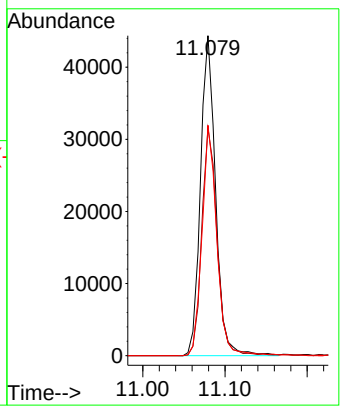


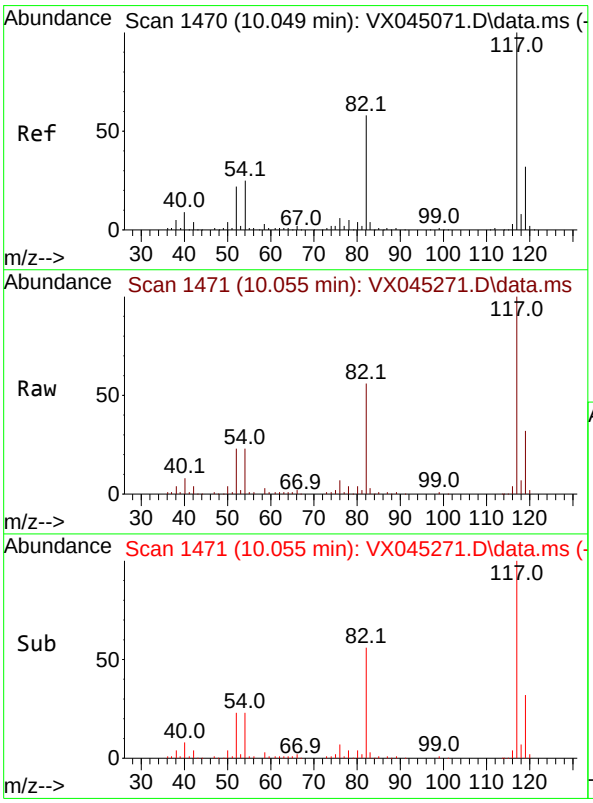
#62
4-Bromofluorobenzene
Concen: 54.216 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion: 95 Resp: 56749

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	148.2
176	71.0	0.0	141.4

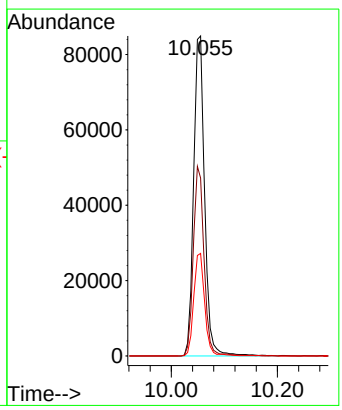


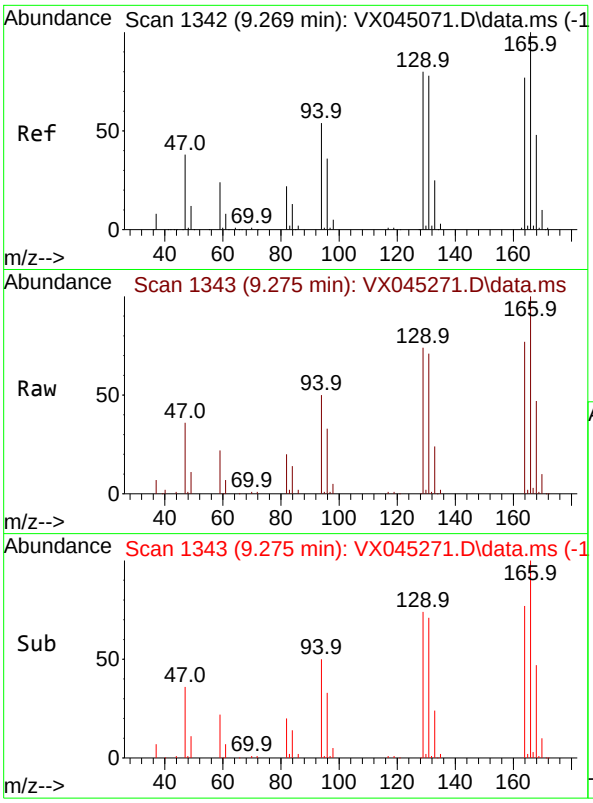


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:117 Resp: 122058

Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.3	69.5
119	32.1	25.7	38.5



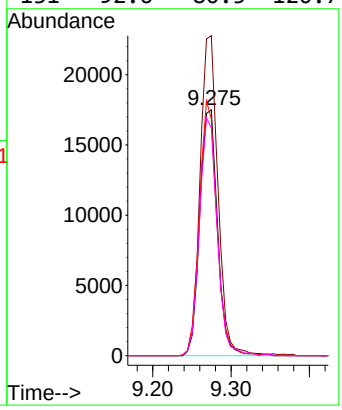


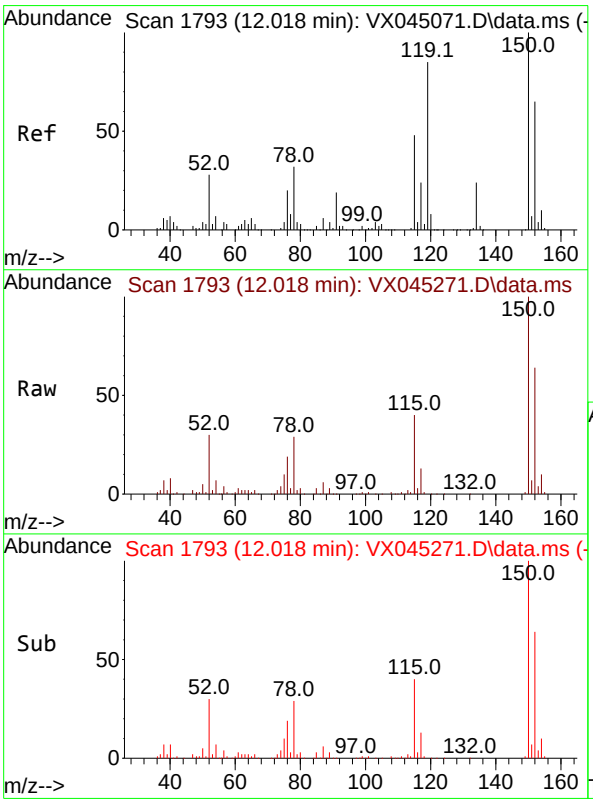
#64
Tetrachloroethene
Concen: 35.419 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310

Tgt Ion:164 Resp: 27688

Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.6	155.4
129	96.1	82.7	124.1
131	92.6	80.5	120.7

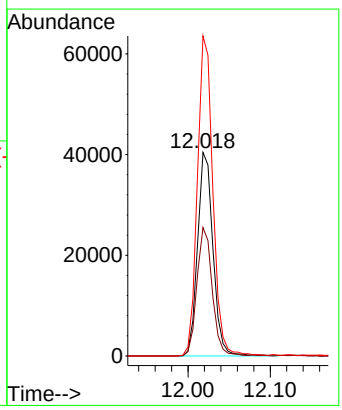




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:152 Resp: 52853

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	157.0	0.0	349.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-05DL	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
VX045319.D	10		03/18/25 12:54	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
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	460	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	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
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	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
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	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
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	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	53.9	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-05DL	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
VX045319.D	10		03/18/25 12:54	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	33.7	D	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
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.1		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81000	5.544				
540-36-3	1,4-Difluorobenzene	154000	6.757				
3114-55-4	Chlorobenzene-d5	135000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE134D4-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-05DL	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
VX045319.D	10		03/18/25 12:54	VX031825

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\VX031825\
Data File : VX045319.D
Acq On : 18 Mar 2025 12:54
Operator : JC/MD
Sample : Q1559-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Quant Time: Mar 19 01:43:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

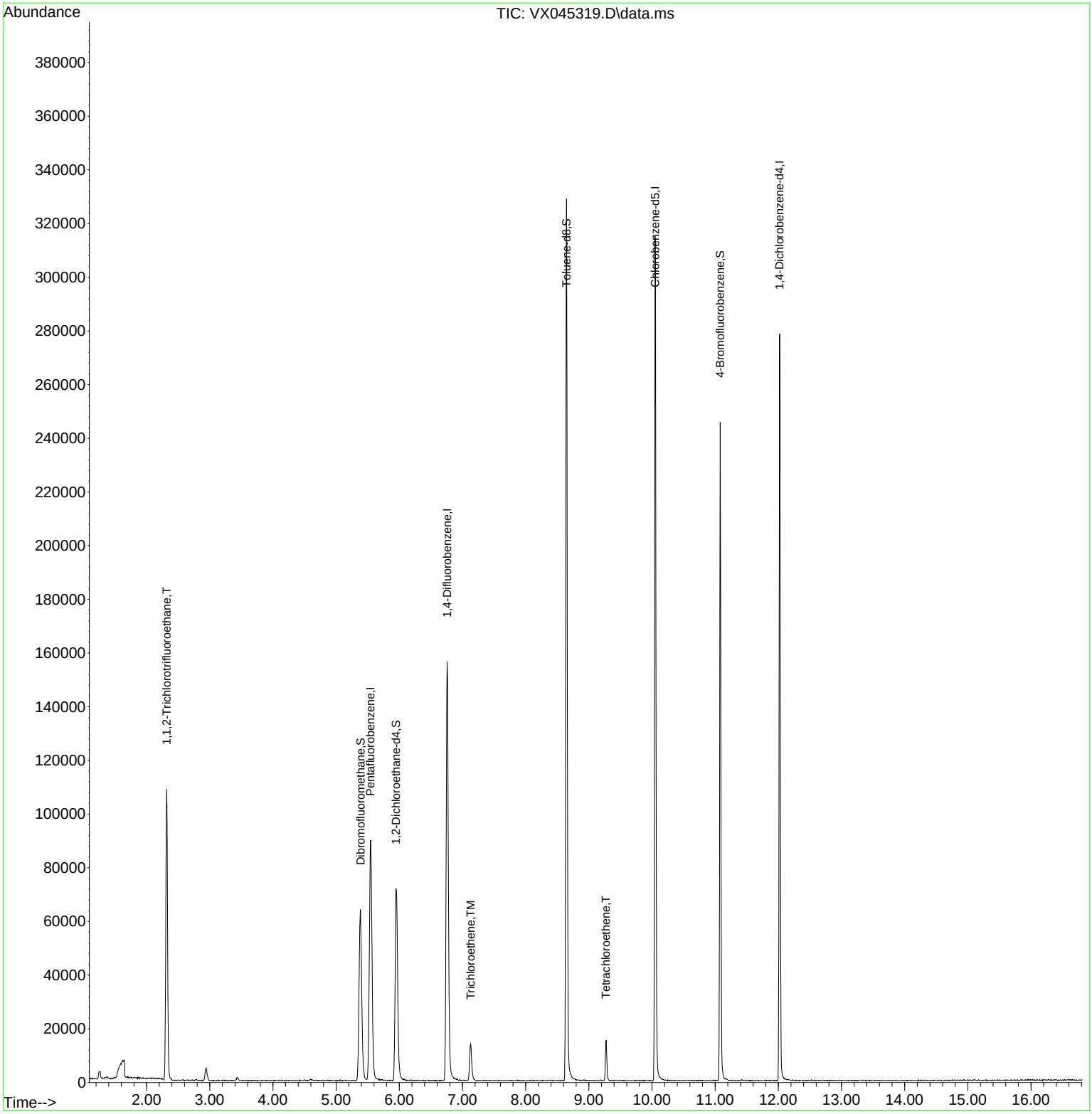
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	80996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	70383	54.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.260%			
35) Dibromofluoromethane	5.385	113	55361	53.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.260%			
50) Toluene-d8	8.647	98	191288	51.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	11.079	95	61549	49.635	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.260%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	43335	46.034	ug/l	99
44) Trichloroethene	7.129	130	5652	5.385	ug/l	88
64) Tetrachloroethene	9.269	164	2920	3.369	ug/l	87

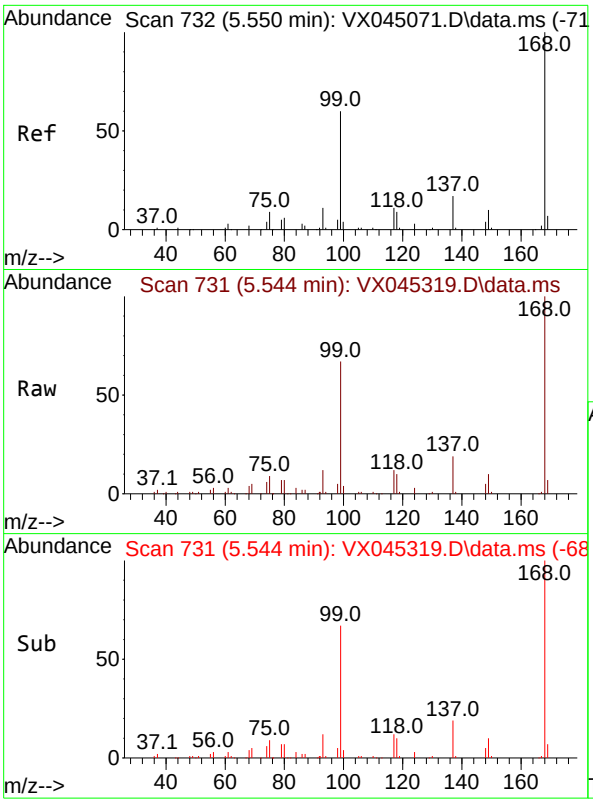
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045319.D
Acq On : 18 Mar 2025 12:54
Operator : JC/MD
Sample : Q1559-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Quant Time: Mar 19 01:43:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



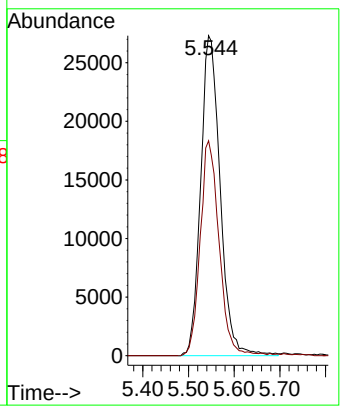


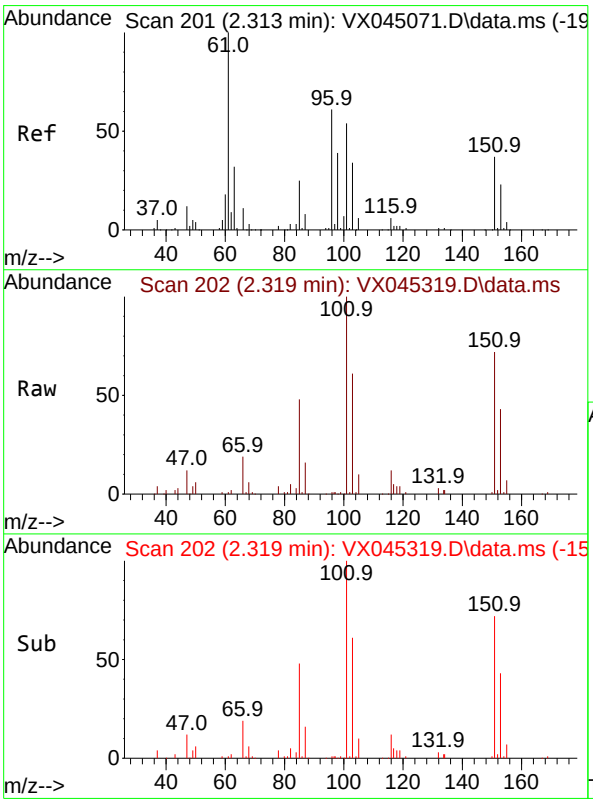
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion:168 Resp: 80996

Ion	Ratio	Lower	Upper
168	100		
99	67.1	48.2	72.4

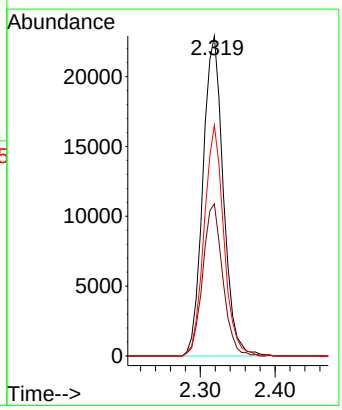


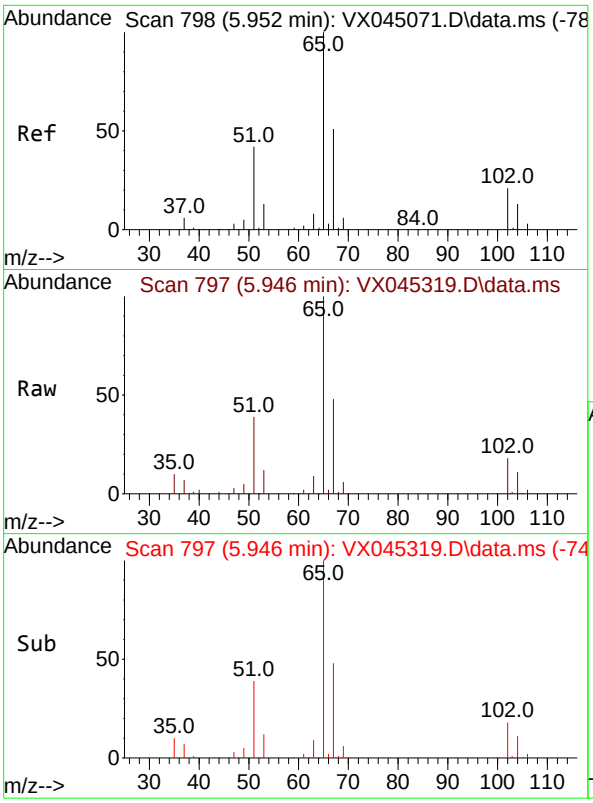


#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.034 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Tgt Ion:101 Resp: 43335

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.8	56.4	84.6



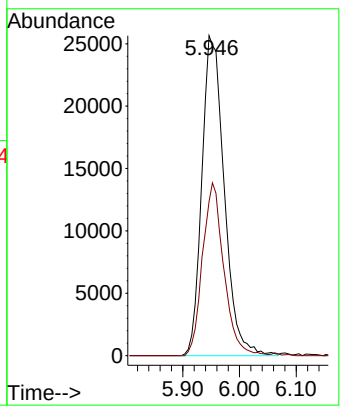


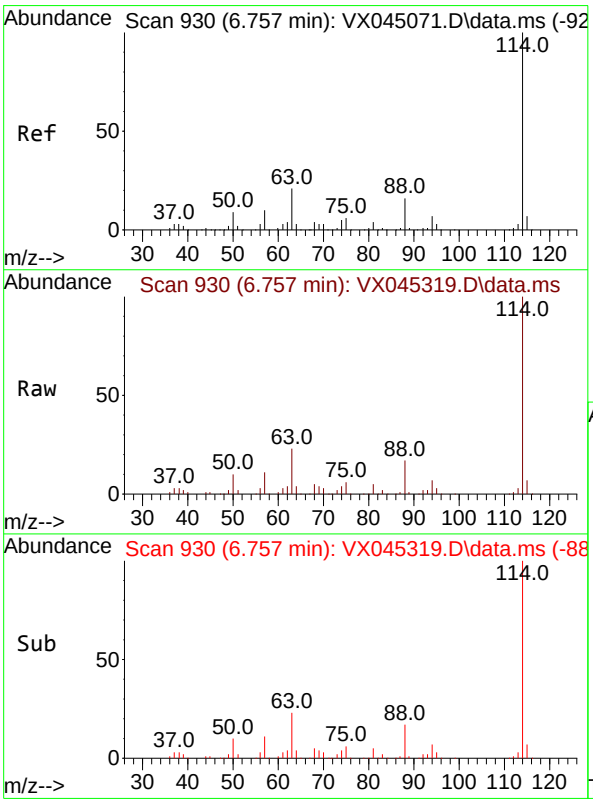
#33
1,2-Dichloroethane-d4
Concen: 54.630 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion: 65 Resp: 70383

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

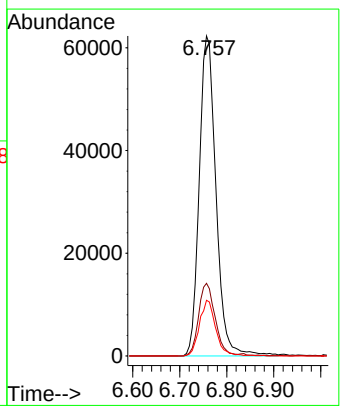


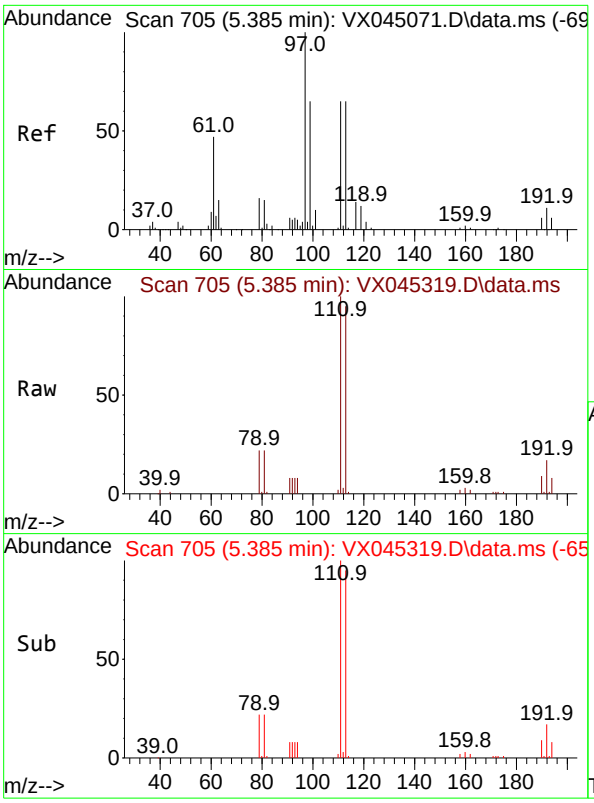


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Tgt Ion:114 Resp: 154368

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	17.4	0.0	32.8



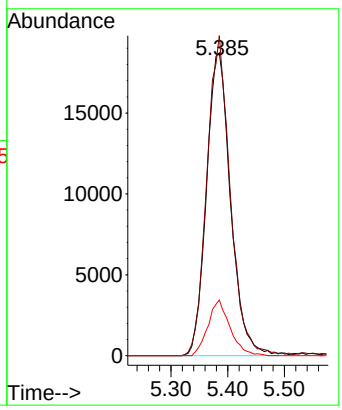


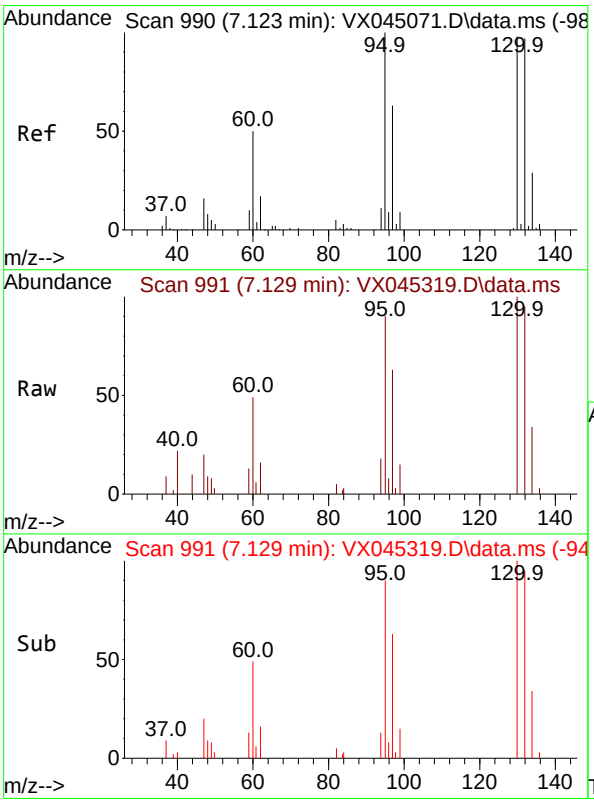
#35
Dibromofluoromethane
Concen: 53.633 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion:113 Resp: 55361

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	16.8	14.3	21.5

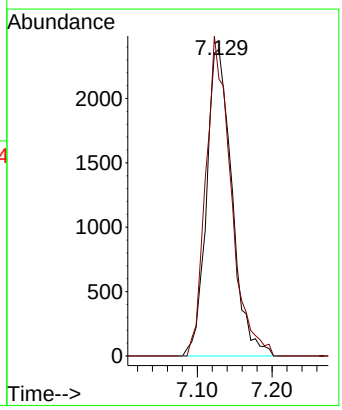


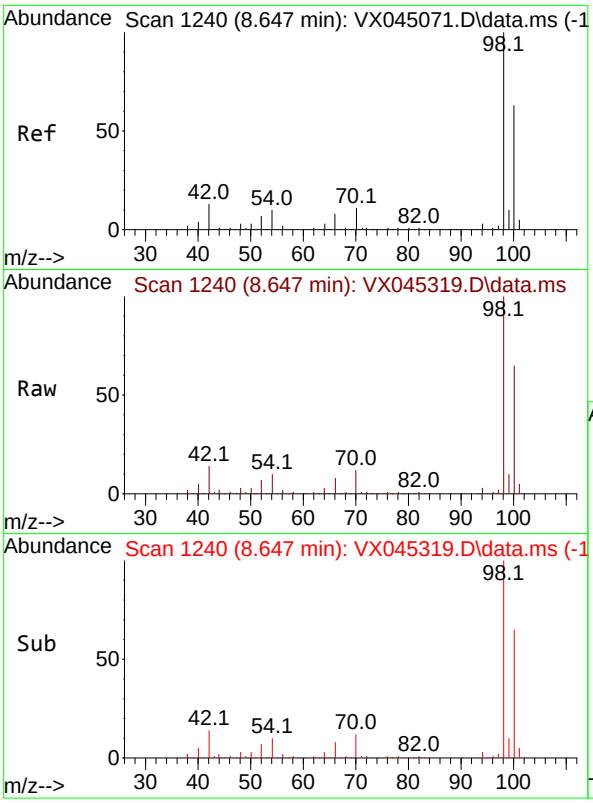


#44
Trichloroethene
Concen: 5.385 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Tgt Ion:130 Resp: 5652

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	205.0



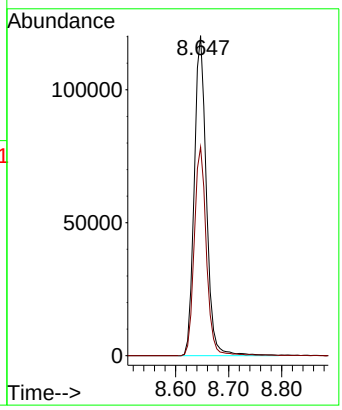


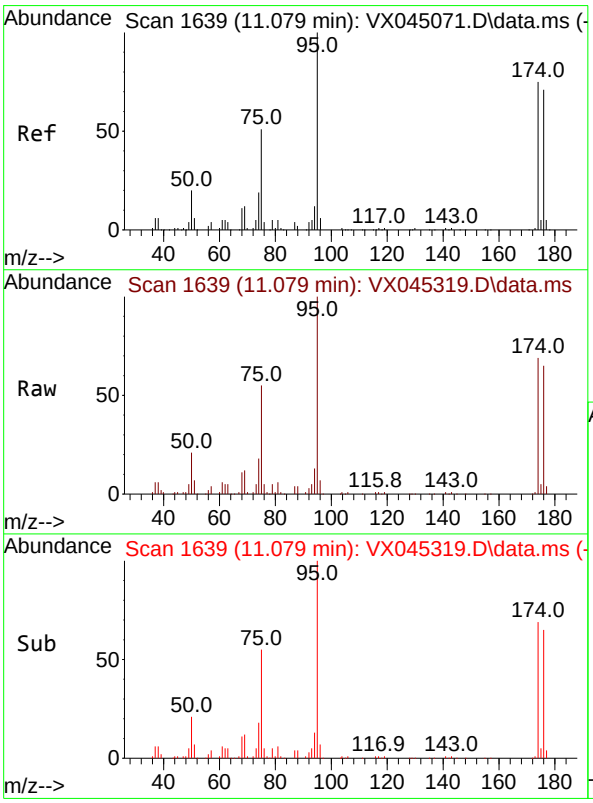
#50
Toluene-d8
Concen: 51.117 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion: 98 Resp: 191288

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

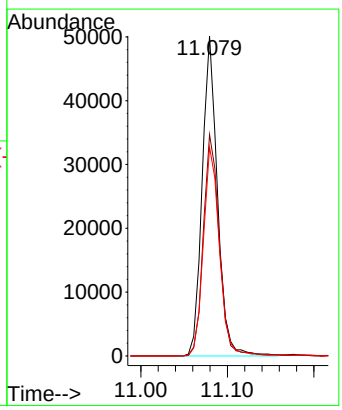


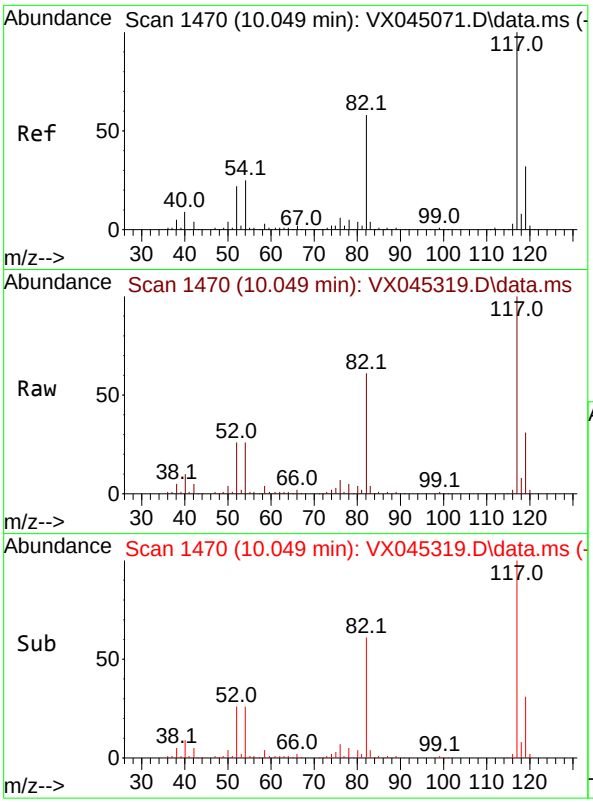


#62
4-Bromofluorobenzene
Concen: 49.635 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Tgt Ion: 95 Resp: 61549

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	68.2	0.0	141.4



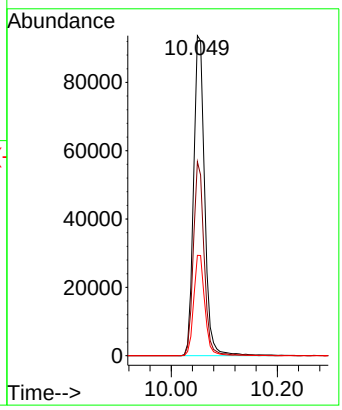


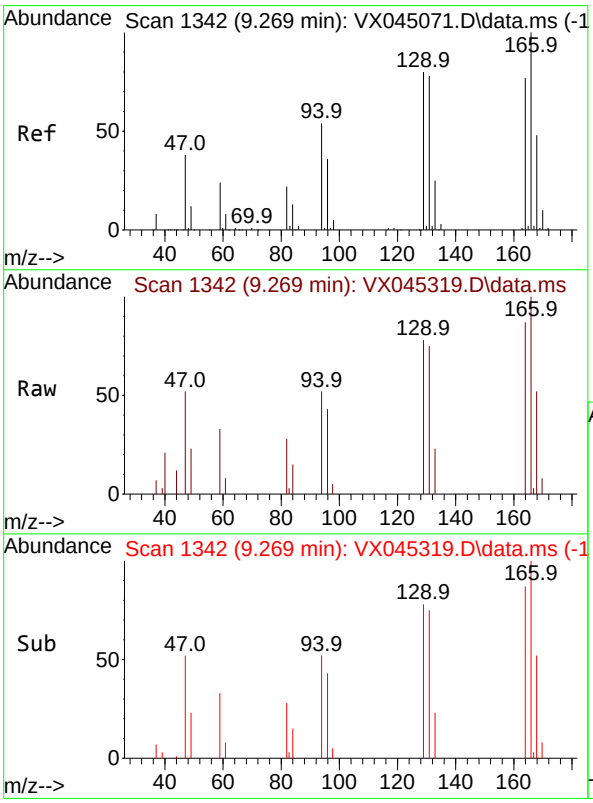
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion:117 Resp: 135348

Ion	Ratio	Lower	Upper
117	100		
82	60.6	46.3	69.5
119	31.4	25.7	38.5

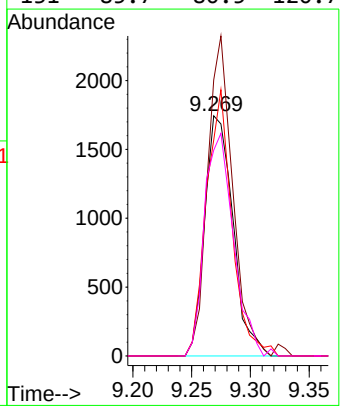


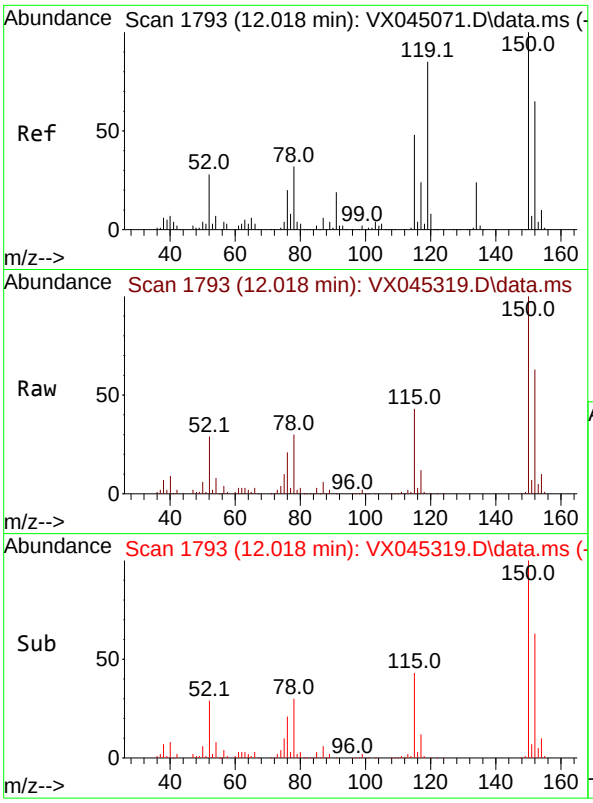


#64
Tetrachloroethene
Concen: 3.369 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Tgt Ion:164 Resp: 2920

Ion	Ratio	Lower	Upper
164	100		
166	115.0	103.6	155.4
129	89.9	82.7	124.1
131	85.7	80.5	120.7



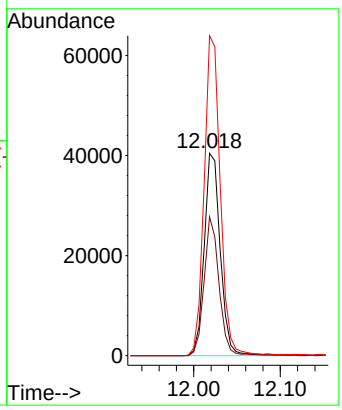


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045319.D
Acq: 18 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250310DL

Tgt Ion:152 Resp: 52193

Ion	Ratio	Lower	Upper
152	100		
115	64.0	44.2	132.6
150	158.9	0.0	349.0



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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT149S1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045323.D	1		03/18/25 14:27	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	2.60	J	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	11.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	4.50		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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT149S1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045323.D	1		03/18/25 14:27	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.10		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68700	5.55				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	44800	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT149S1-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045323.D	1		03/18/25 14:27	VX031825

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\VX031825\
Data File : VX045323.D
Acq On : 18 Mar 2025 14:27
Operator : JC/MD
Sample : Q1559-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Quant Time: Mar 19 01:44:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

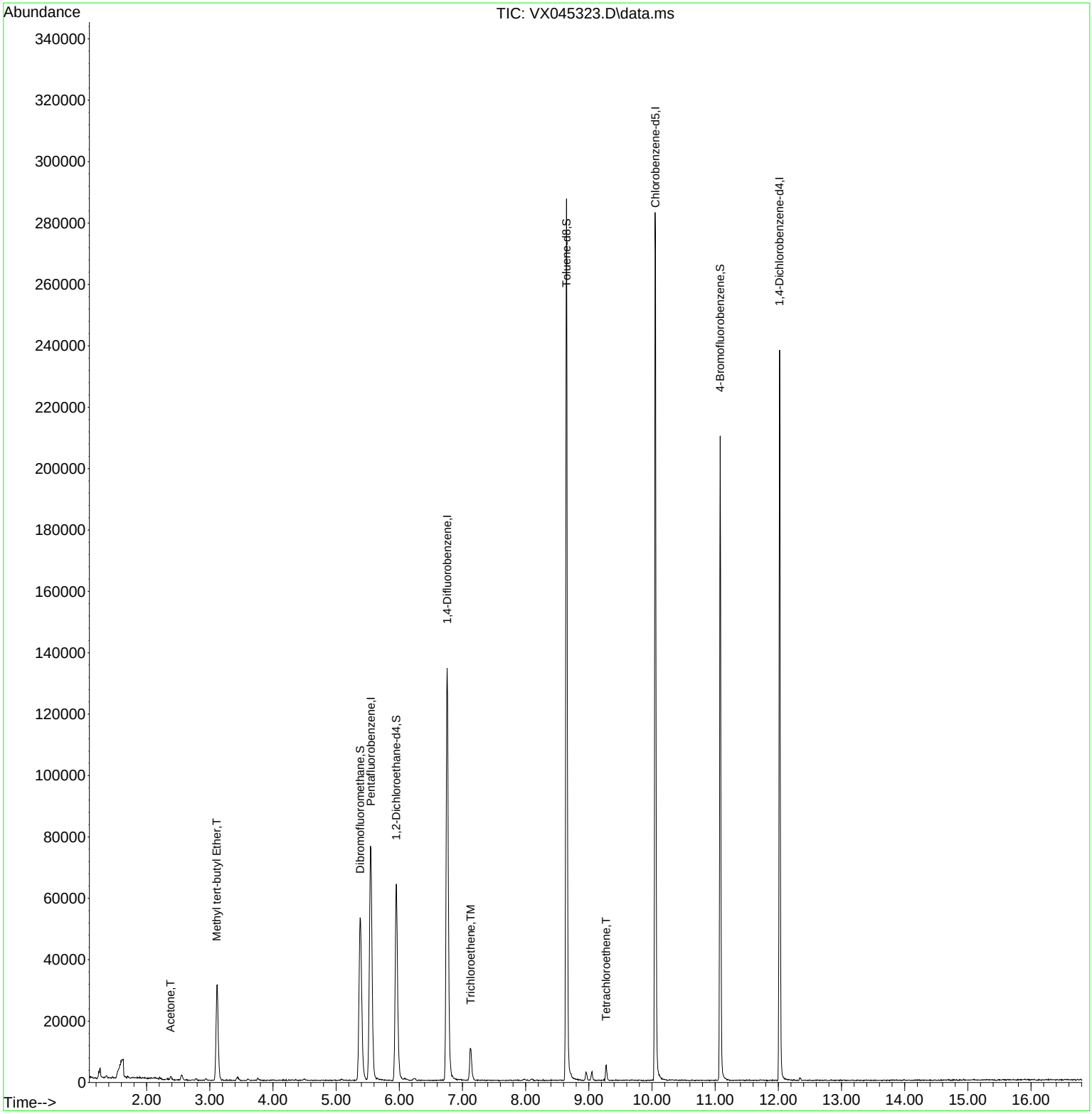
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	68678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60251	55.153	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.300%			
35) Dibromofluoromethane	5.379	113	46453	52.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.780%			
50) Toluene-d8	8.647	98	166680	51.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	11.079	95	54236	50.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.820%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1327	2.618	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	32200	11.373	ug/l	97
44) Trichloroethene	7.129	130	4086	4.531	ug/l	88
64) Tetrachloroethene	9.275	164	891	1.141	ug/l	86

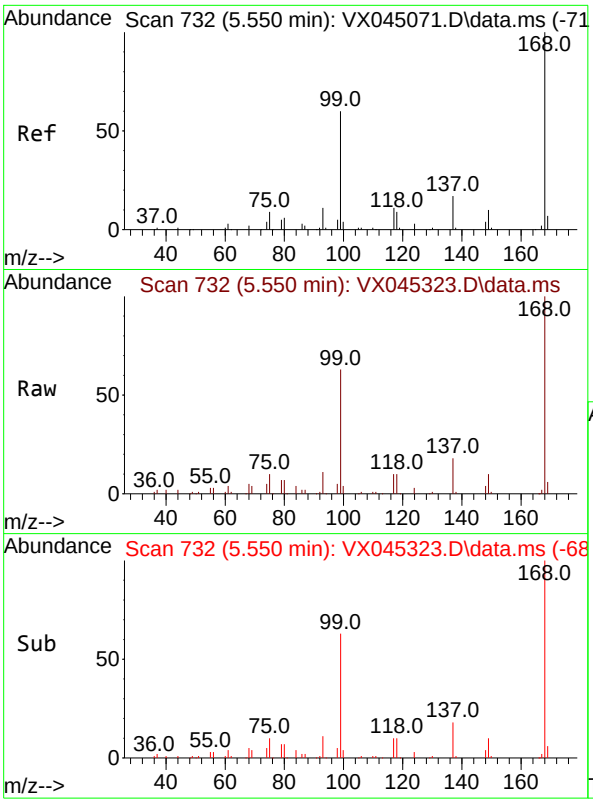
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045323.D
Acq On : 18 Mar 2025 14:27
Operator : JC/MD
Sample : Q1559-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Quant Time: Mar 19 01:44:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



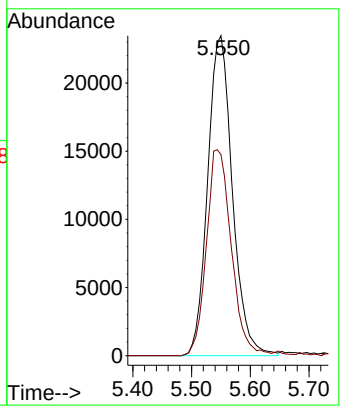


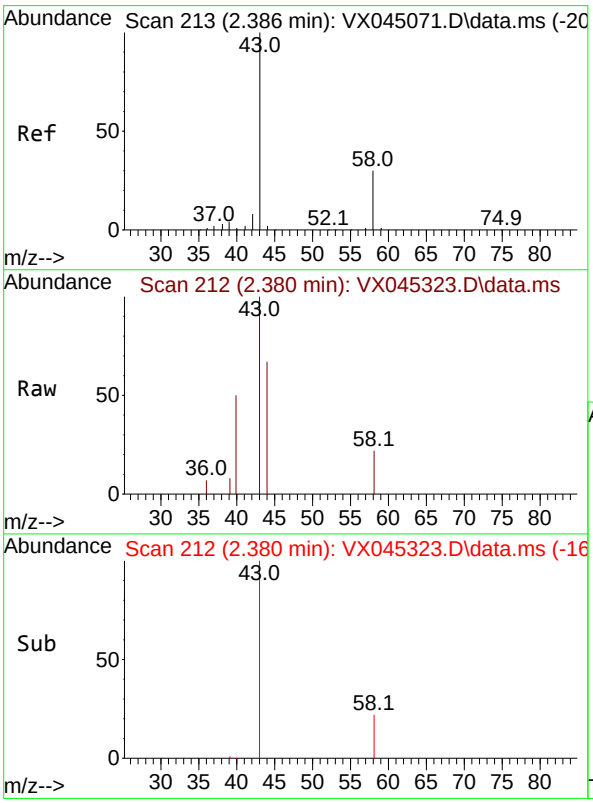
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion:168 Resp: 68678

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.2	72.4

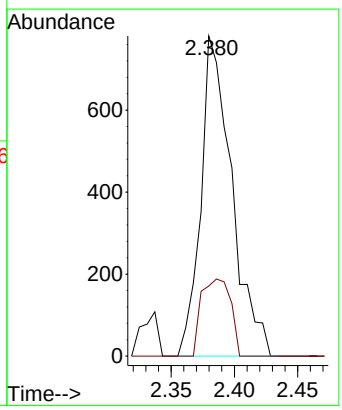


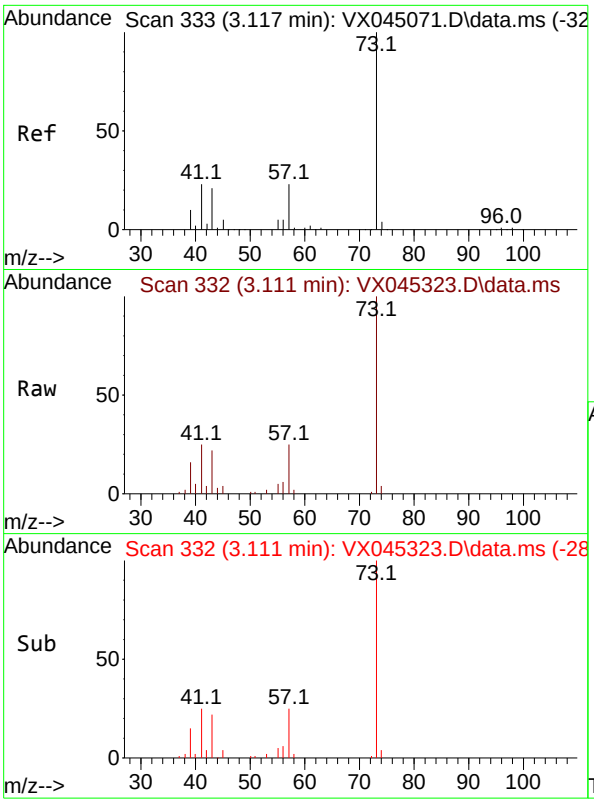


#16
Acetone
Concen: 2.618 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 43 Resp: 1327

Ion	Ratio	Lower	Upper
43	100		
58	21.9	24.2	36.4#



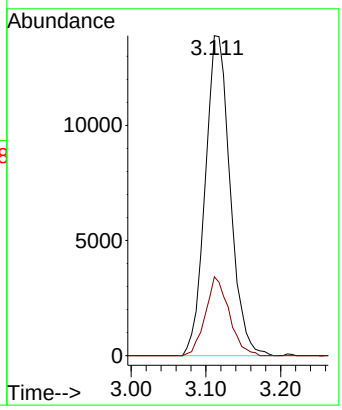


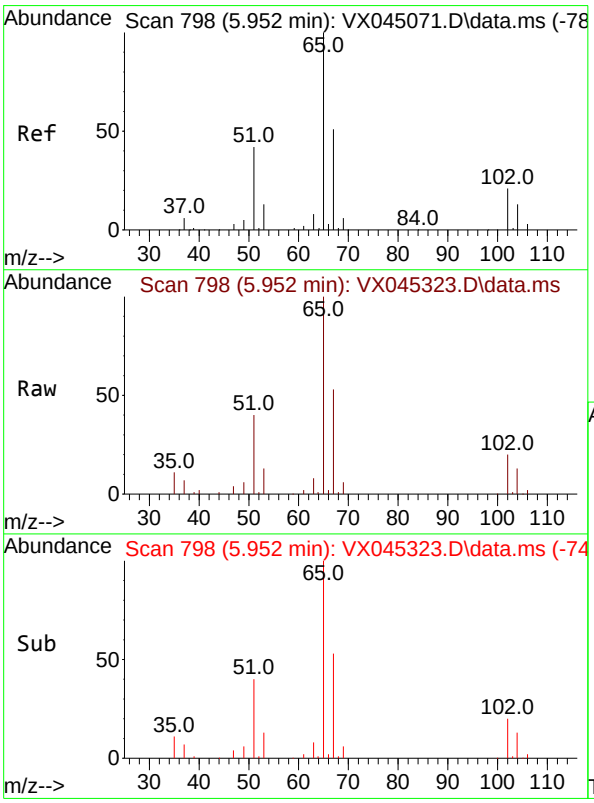
#19
Methyl tert-butyl Ether
Concen: 11.373 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion: 73 Resp: 32200

Ion	Ratio	Lower	Upper
73	100		
57	24.7	18.5	27.7

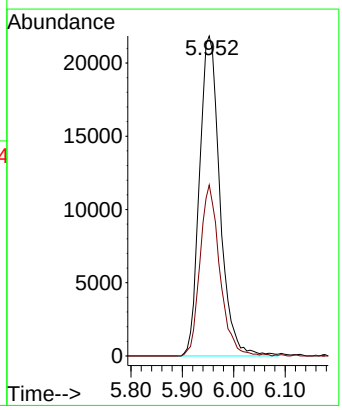


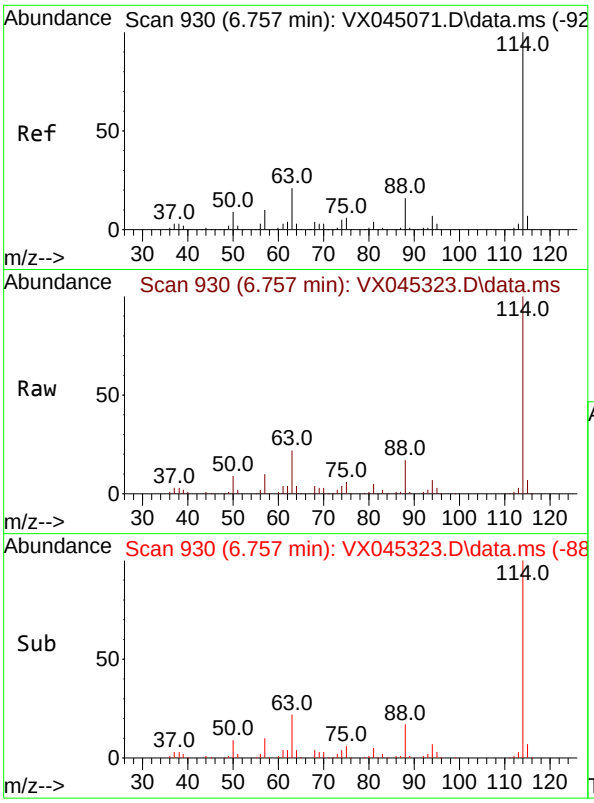


#33
1,2-Dichloroethane-d4
Concen: 55.153 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 65 Resp: 60251

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2



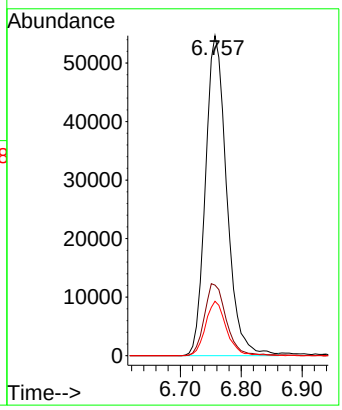


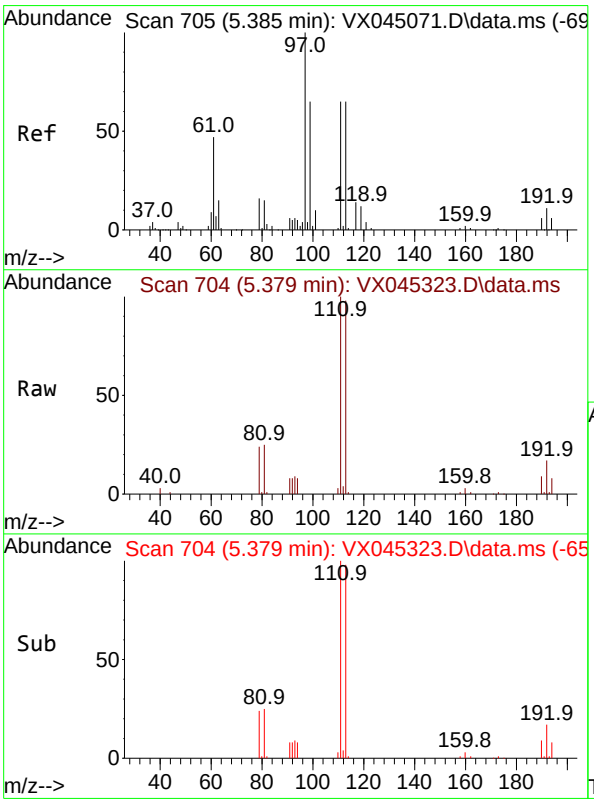
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion:114 Resp: 132613

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	17.0	0.0	32.8

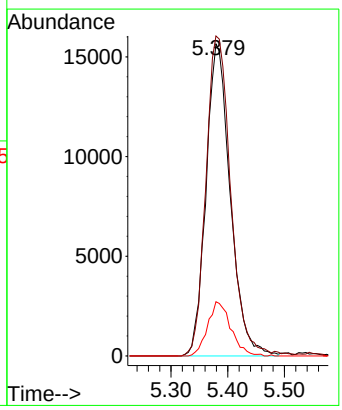


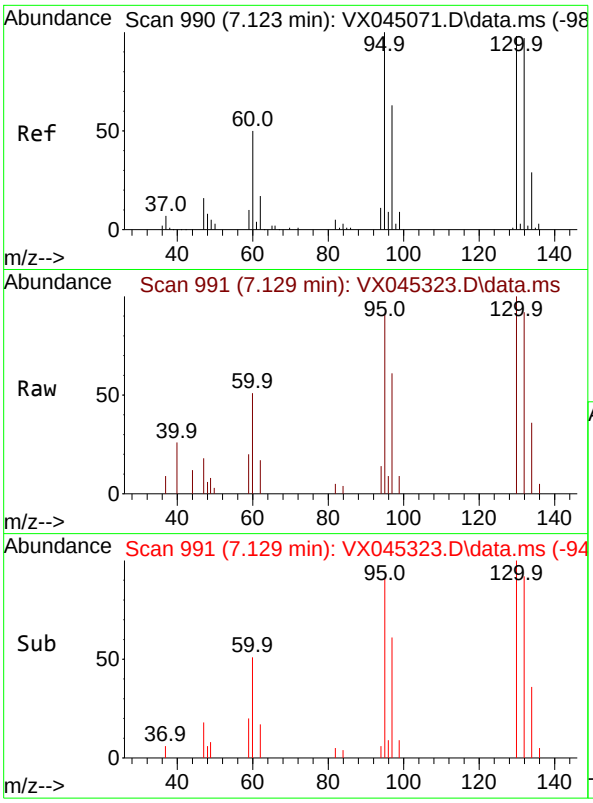


#35
Dibromofluoromethane
Concen: 52.386 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:113 Resp: 46453

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.8	122.6
192	16.7	14.3	21.5



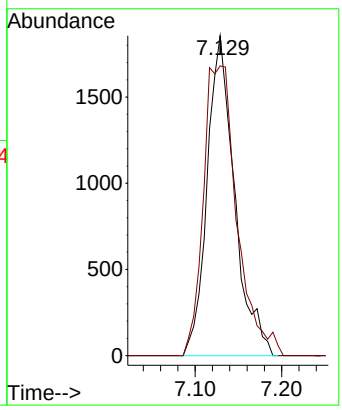


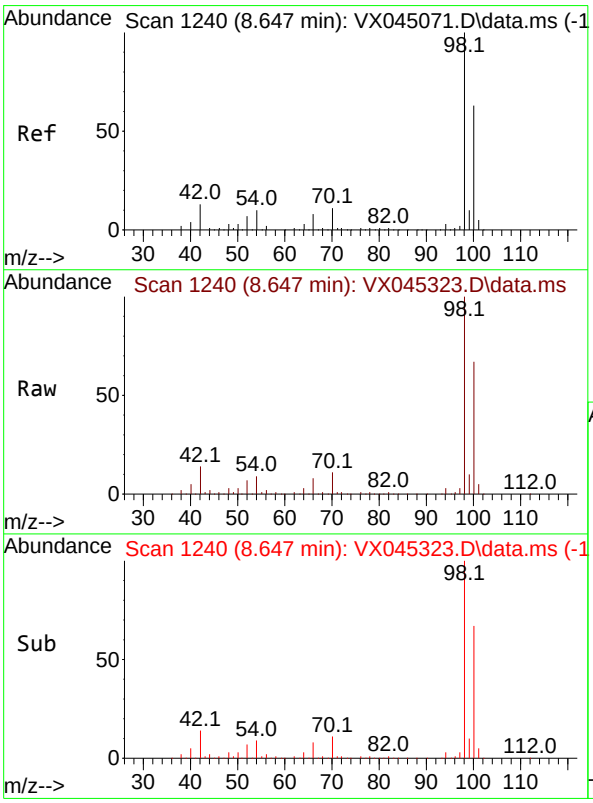
#44
Trichloroethene
Concen: 4.531 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion:130 Resp: 4086

Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	205.0

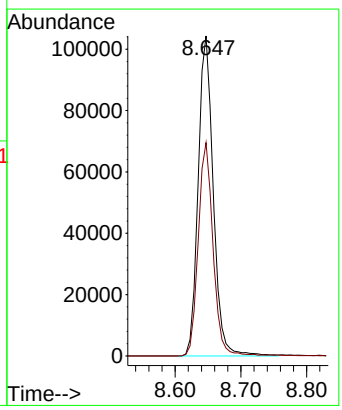


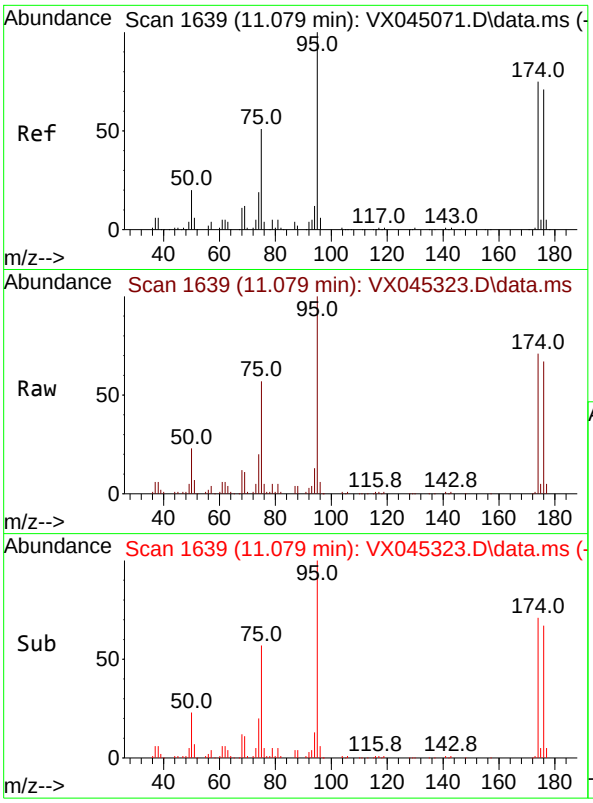


#50
Toluene-d8
Concen: 51.848 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 98 Resp: 166680

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



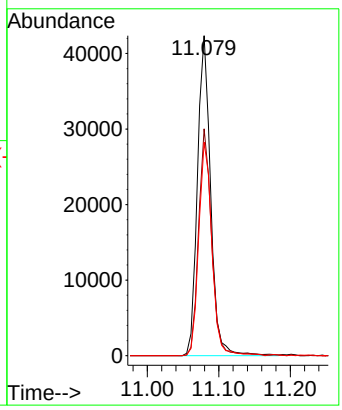


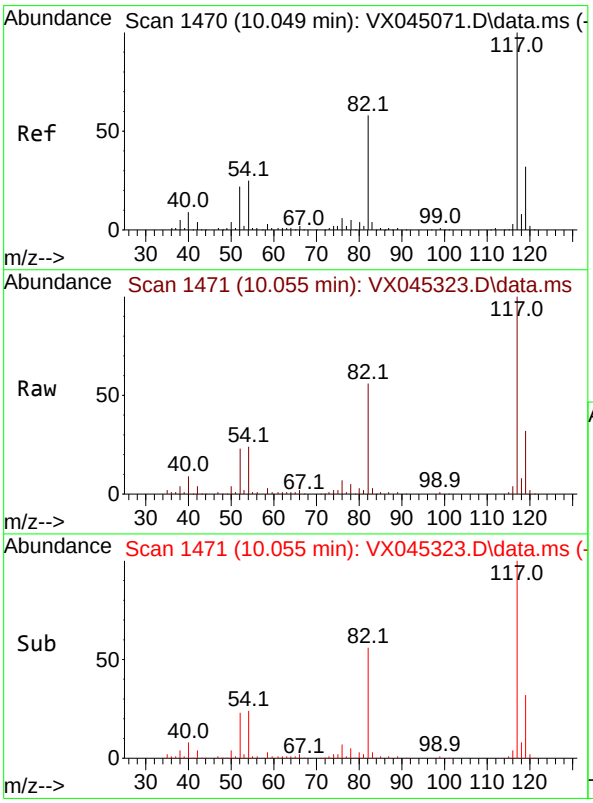
#62
4-Bromofluorobenzene
Concen: 50.912 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion: 95 Resp: 54236

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	66.7	0.0	141.4

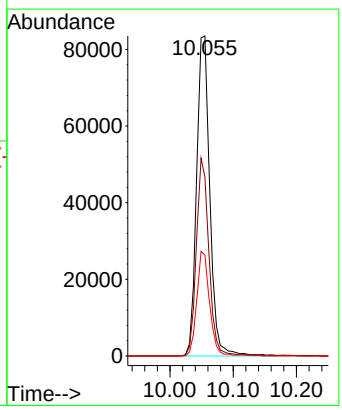


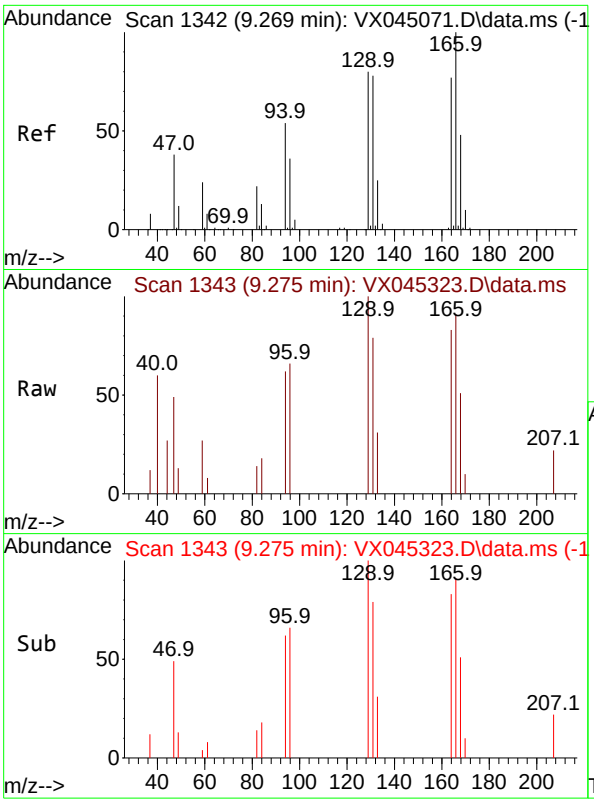


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:117 Resp: 121917

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.3	69.5
119	31.5	25.7	38.5



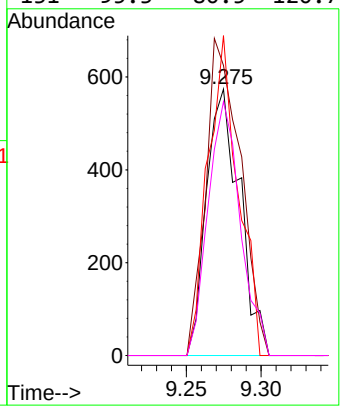


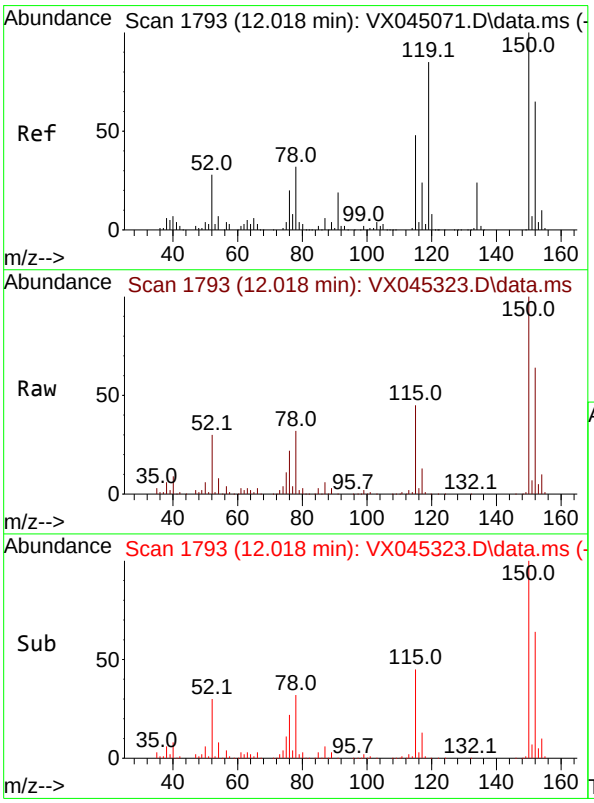
#64
Tetrachloroethene
Concen: 1.141 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion:164 Resp: 891

Ion	Ratio	Lower	Upper
164	100		
166	108.9	103.6	155.4
129	120.0	82.7	124.1
131	95.3	80.5	120.7

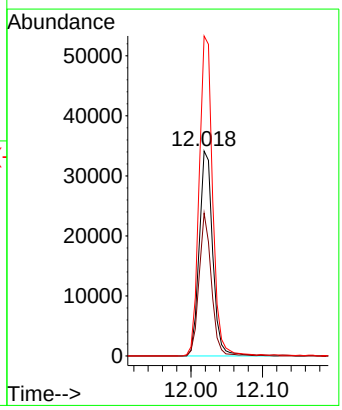




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:152 Resp: 44828

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.2	132.6
150	155.2	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045273.D	1		03/13/25 16:43	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	180	E	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	1.50		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	84.9		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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045273.D	1		03/13/25 16:43	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	11.6		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69200	5.544				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54000	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045273.D	1		03/13/25 16:43	VX031325

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\VX031325\
Data File : VX045273.D
Acq On : 13 Mar 2025 16:43
Operator : JC/MD
Sample : Q1559-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Quant Time: Mar 14 12:29:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

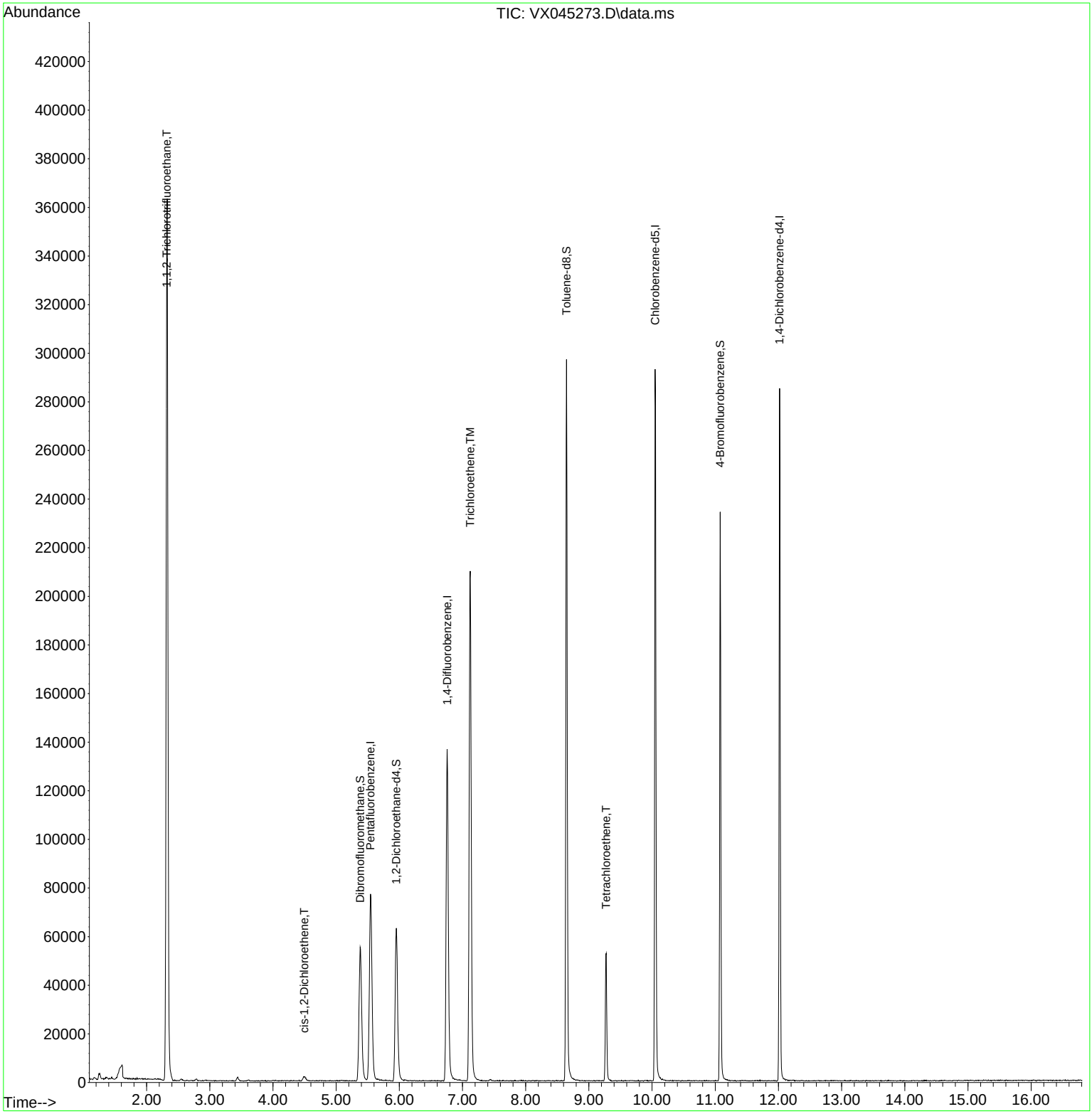
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	69221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137405	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60400	54.856	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.720%			
35) Dibromofluoromethane	5.379	113	46739	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.647	98	168759	50.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	58286	52.806	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	146958	182.665	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	1527	1.472	ug/l	89
44) Trichloroethene	7.123	130	79338	84.919	ug/l	99
64) Tetrachloroethene	9.275	164	9347	11.634	ug/l	98

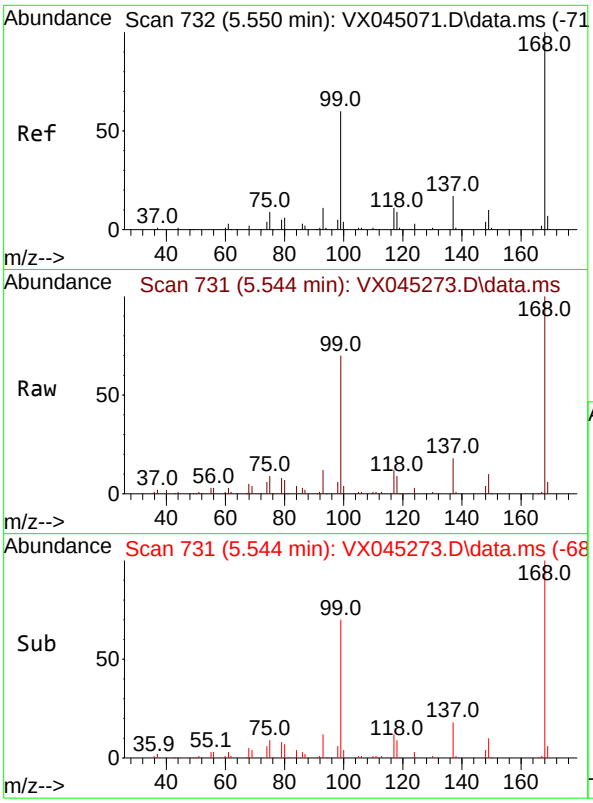
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045273.D
Acq On : 13 Mar 2025 16:43
Operator : JC/MD
Sample : Q1559-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Quant Time: Mar 14 12:29:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



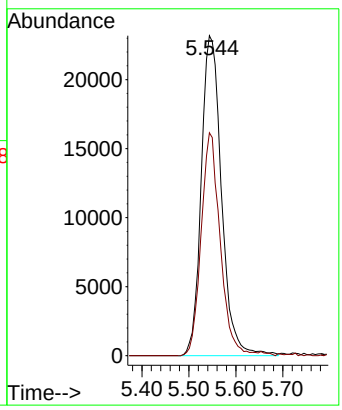


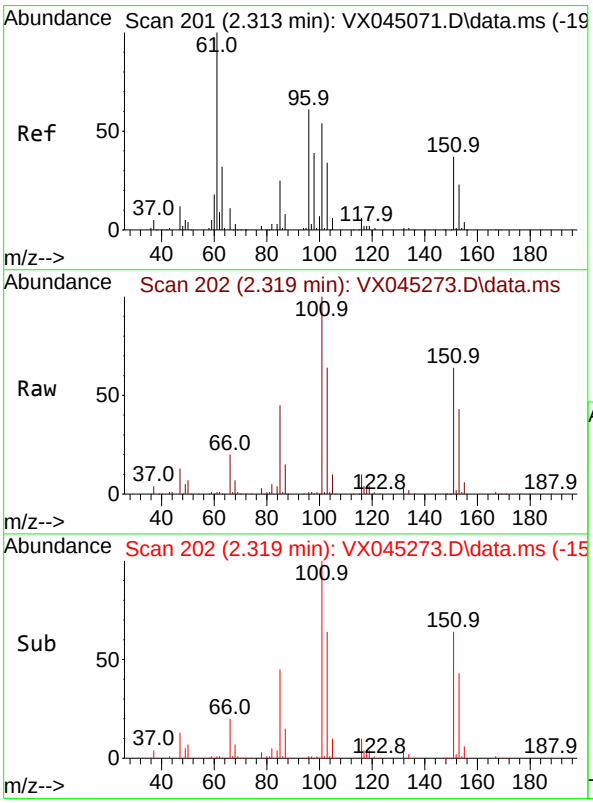
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion:168 Resp: 69221

Ion	Ratio	Lower	Upper
168	100		
99	69.7	48.2	72.4

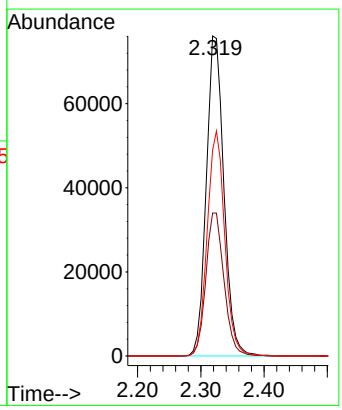


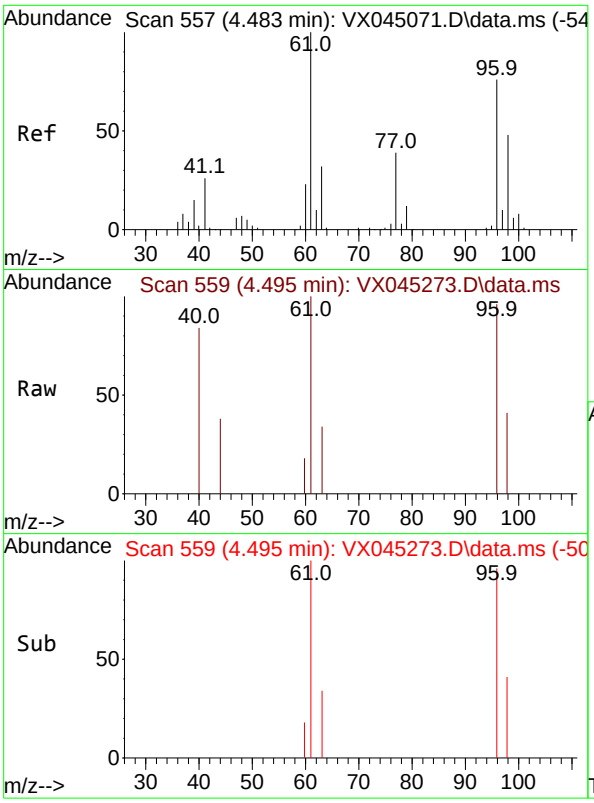


#9
1,1,2-Trichlorotrifluoroethane
Concen: 182.665 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:101 Resp: 146958

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	69.9	56.4	84.6



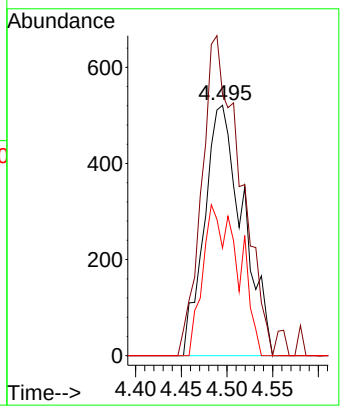


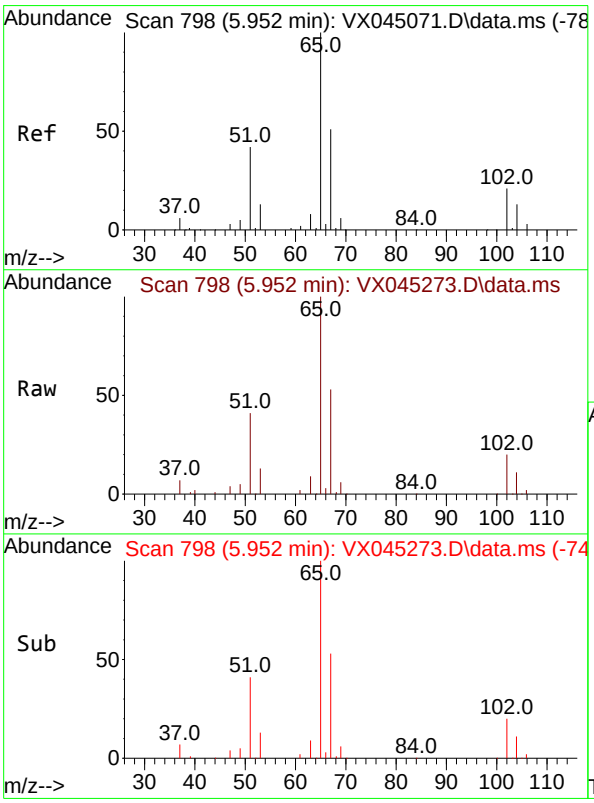
#27
cis-1,2-Dichloroethene
Concen: 1.472 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion: 96 Resp: 1527

Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	283.2
98	56.0	0.0	128.0

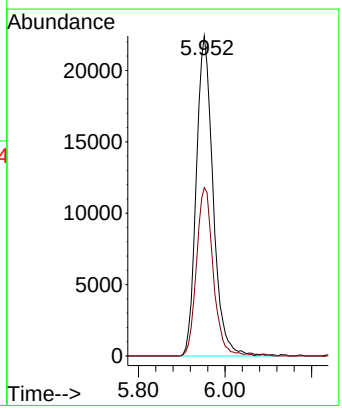


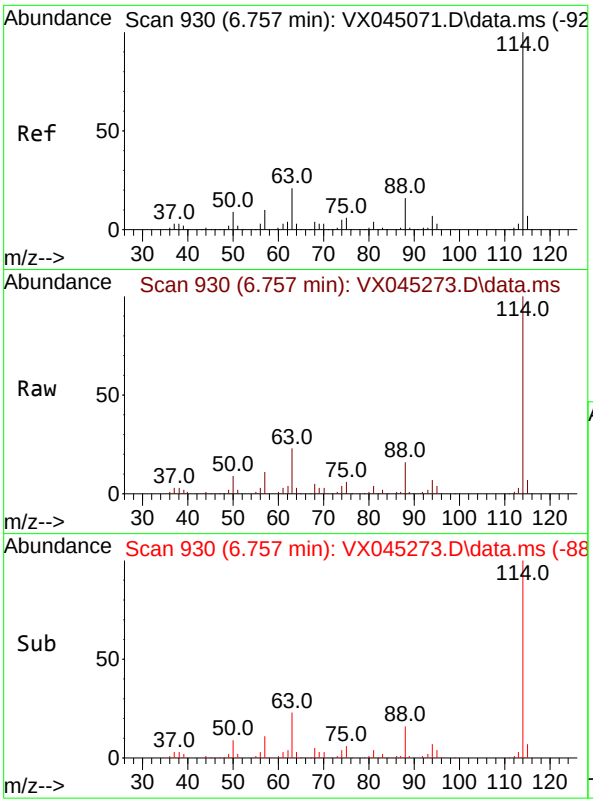


#33
1,2-Dichloroethane-d4
Concen: 54.856 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 65 Resp: 60400

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2



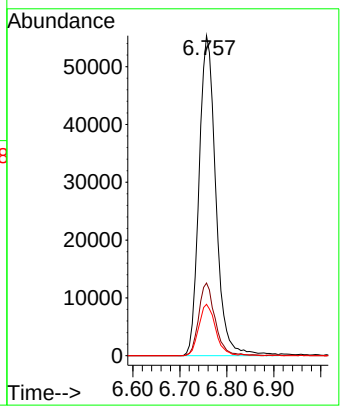


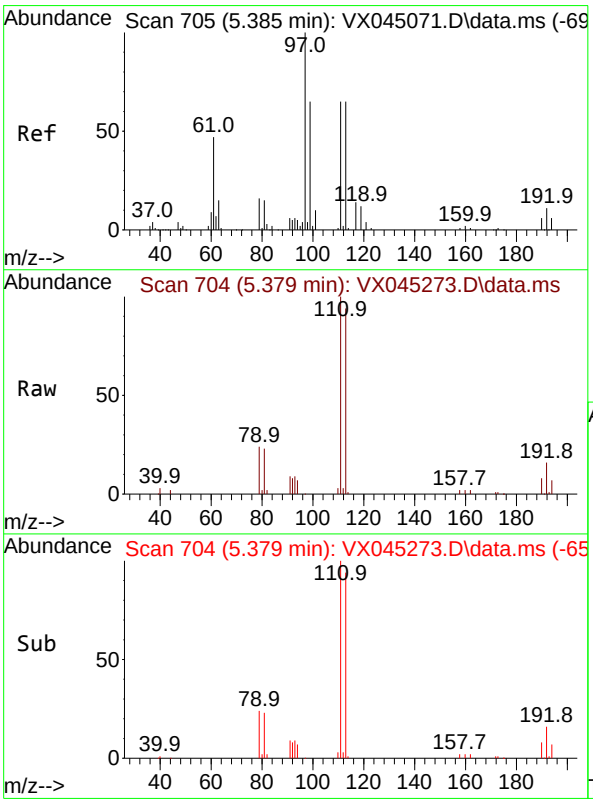
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion:114 Resp: 137405

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.0	0.0	32.8

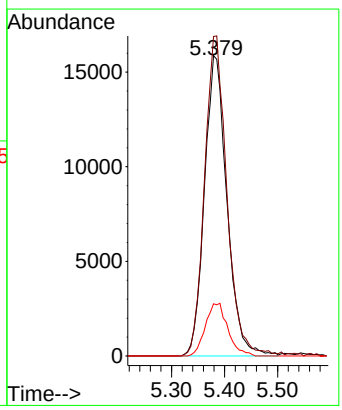


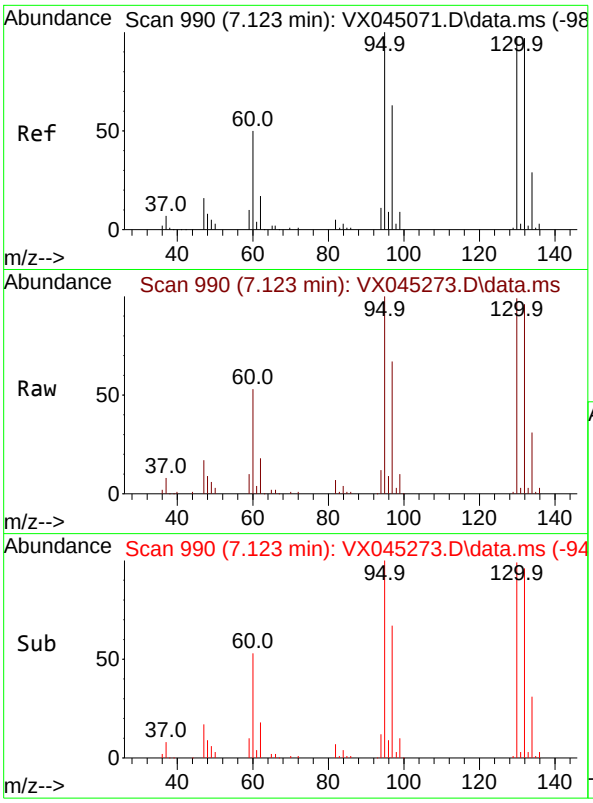


#35
Dibromofluoromethane
Concen: 50.870 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:113 Resp: 46739

Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.8	122.6
192	17.5	14.3	21.5



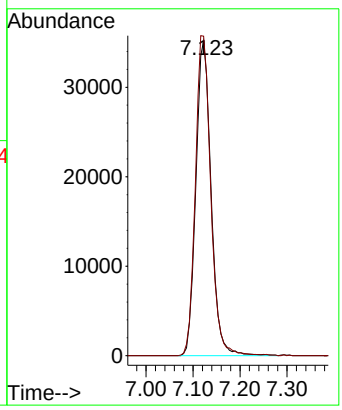


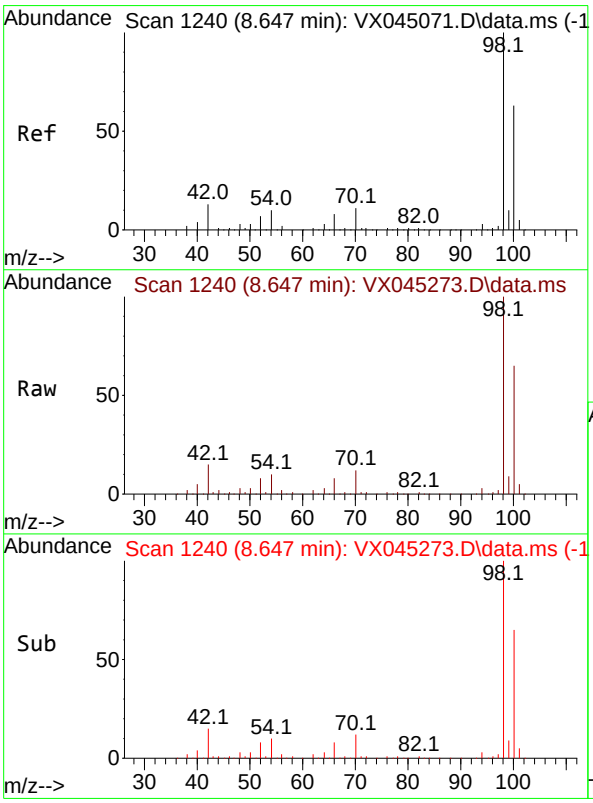
#44
Trichloroethene
Concen: 84.919 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion:130 Resp: 79338

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	205.0

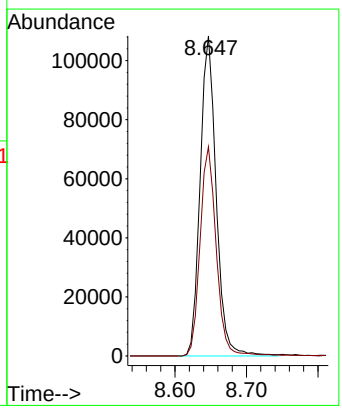


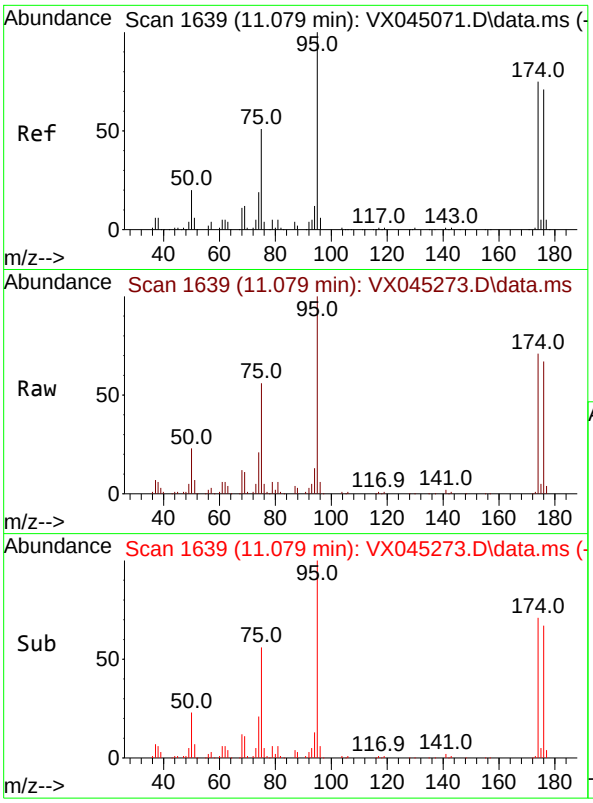


#50
Toluene-d8
Concen: 50.664 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 98 Resp: 168759

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0



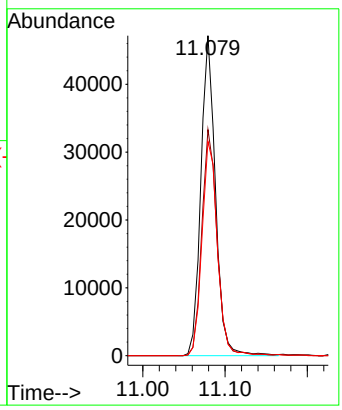


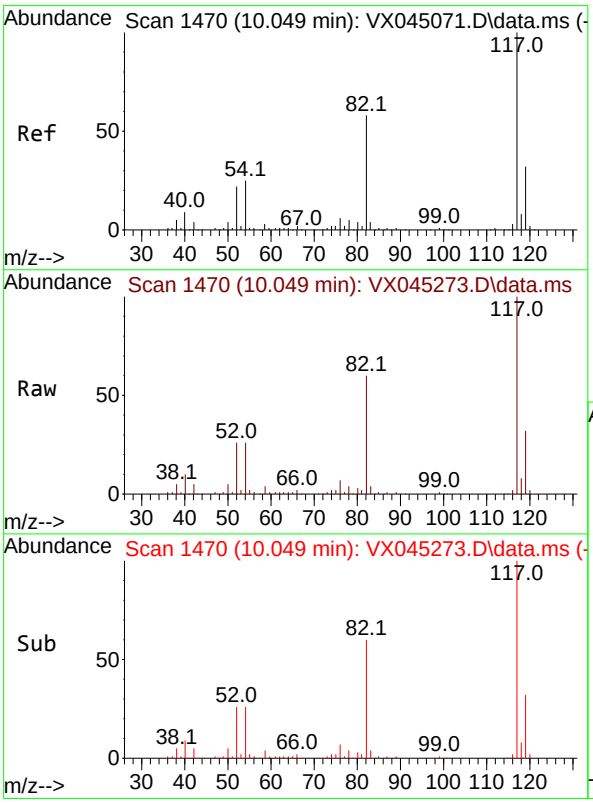
#62
4-Bromofluorobenzene
Concen: 52.806 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion: 95 Resp: 58286

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	148.2
176	70.7	0.0	141.4

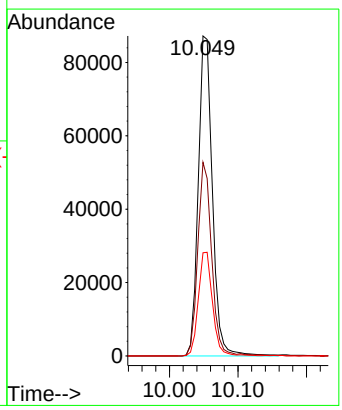


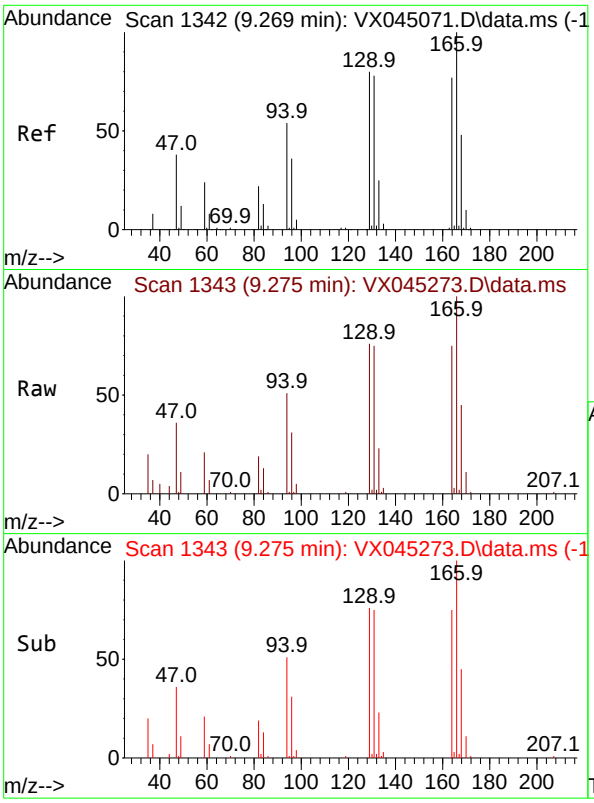


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:117 Resp: 125442

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	32.3	25.7	38.5



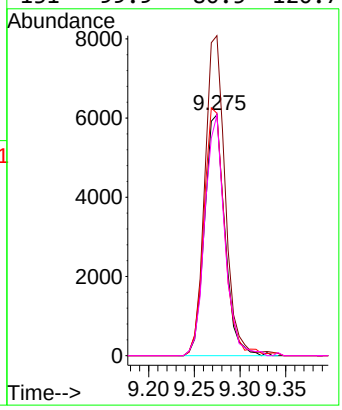


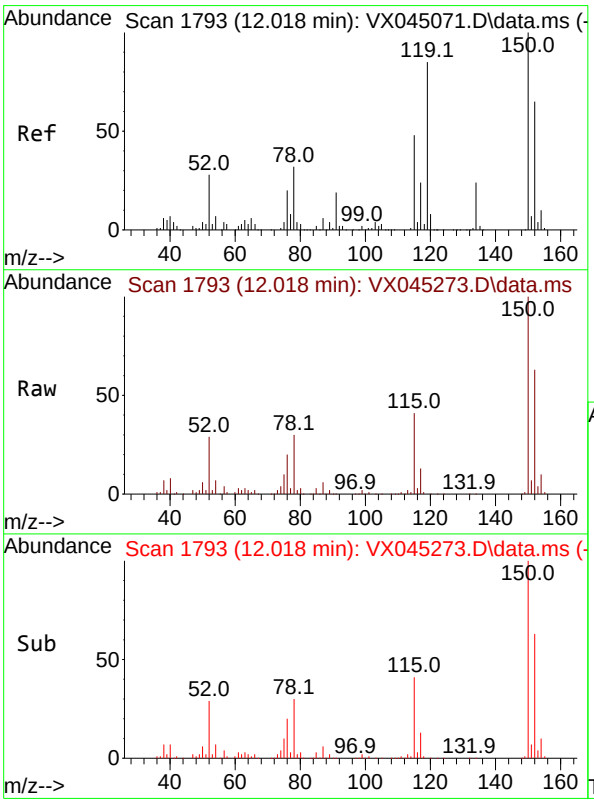
#64
Tetrachloroethene
Concen: 11.634 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion:164 Resp: 9347

Ion	Ratio	Lower	Upper
164	100		
166	132.8	103.6	155.4
129	100.6	82.7	124.1
131	99.9	80.5	120.7

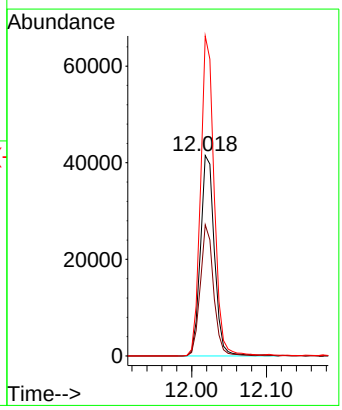




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:152 Resp: 54042

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	154.2	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-07DL	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
VX045317.D	4		03/18/25 12:07	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	190	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	3.00	UD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	94.1	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-07DL	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
VX045317.D	4		03/18/25 12:07	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	13.6	D	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62800	5.55				
540-36-3	1,4-Difluorobenzene	123000	6.757				
3114-55-4	Chlorobenzene-d5	107000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	39800	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE125D3-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-07DL	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
VX045317.D	4		03/18/25 12:07	VX031825

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\VX031825\
Data File : VX045317.D
Acq On : 18 Mar 2025 12:07
Operator : JC/MD
Sample : Q1559-07DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Quant Time: Mar 19 01:42:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

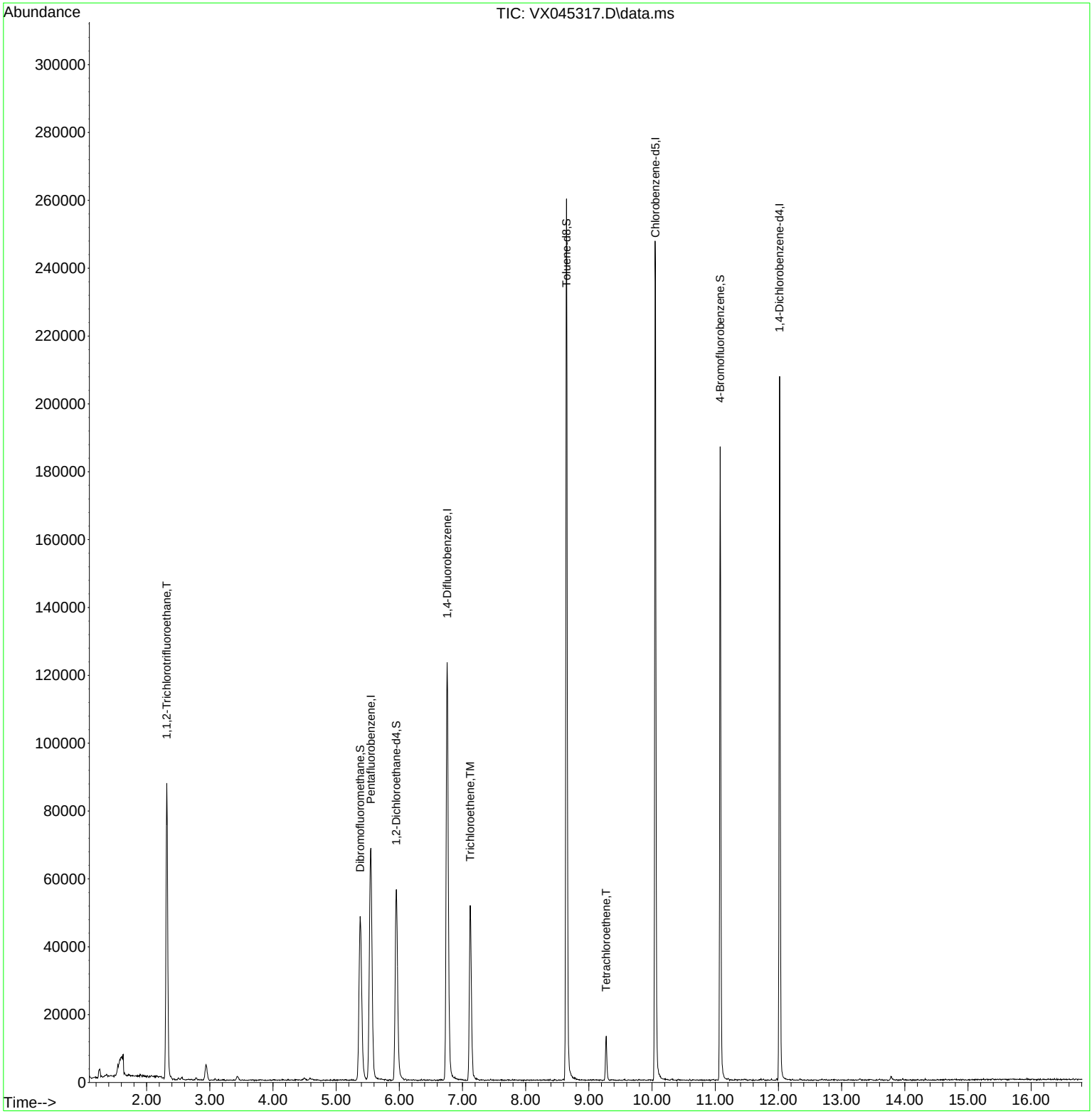
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55157	55.242	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.480%			
35) Dibromofluoromethane	5.379	113	42722	51.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.960%			
50) Toluene-d8	8.647	98	149973	50.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.660%			
62) 4-Bromofluorobenzene	11.079	95	48011	48.624	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.240%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	34396	47.147	ug/l	99
44) Trichloroethene	7.123	130	19656	23.518	ug/l	92
64) Tetrachloroethene	9.275	164	2335	3.409	ug/l	94

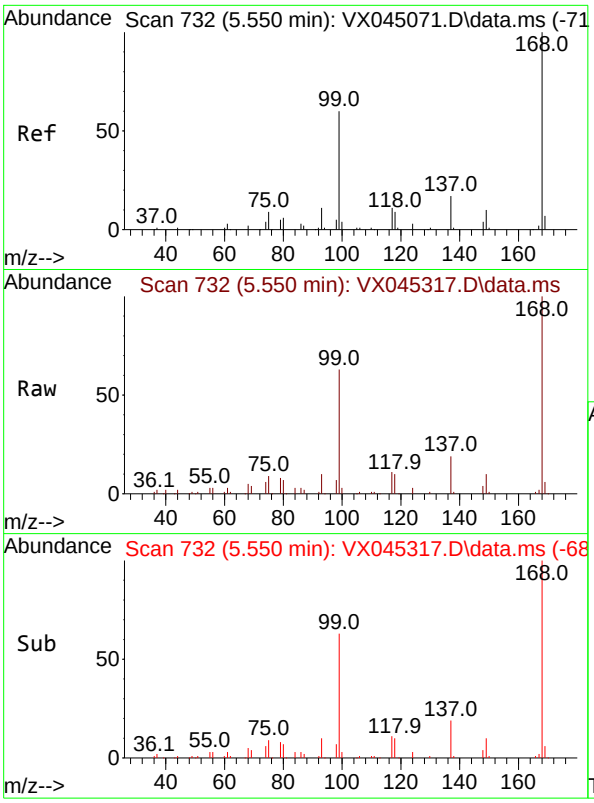
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045317.D
Acq On : 18 Mar 2025 12:07
Operator : JC/MD
Sample : Q1559-07DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Quant Time: Mar 19 01:42:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



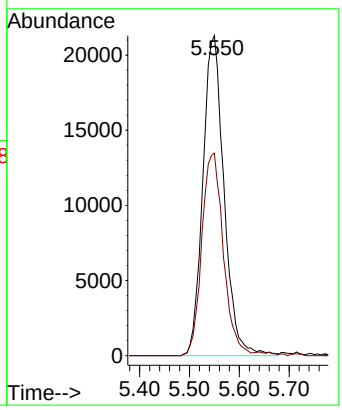


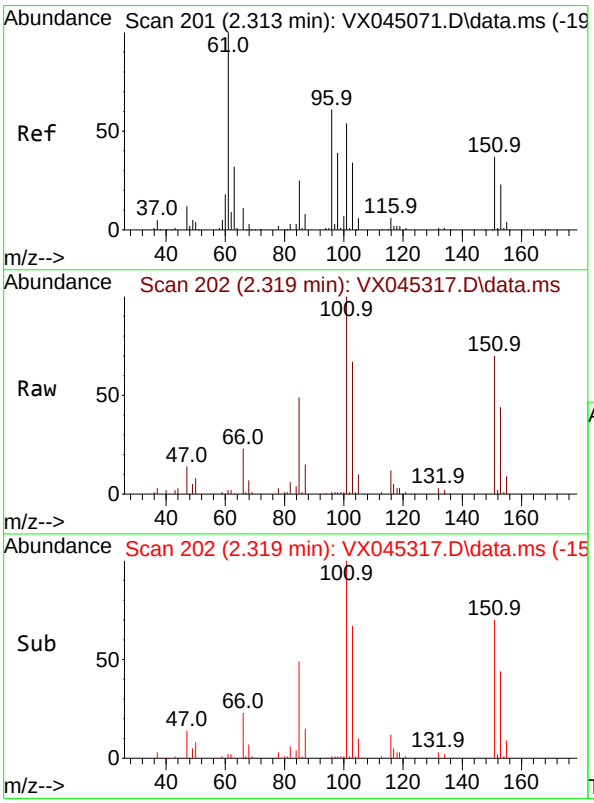
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion:168 Resp: 62771

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.4

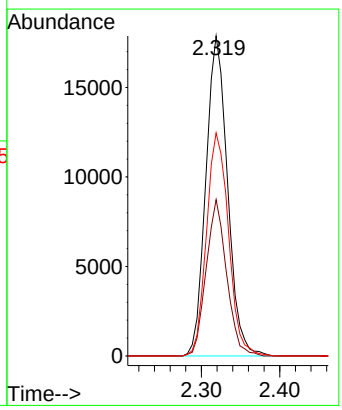


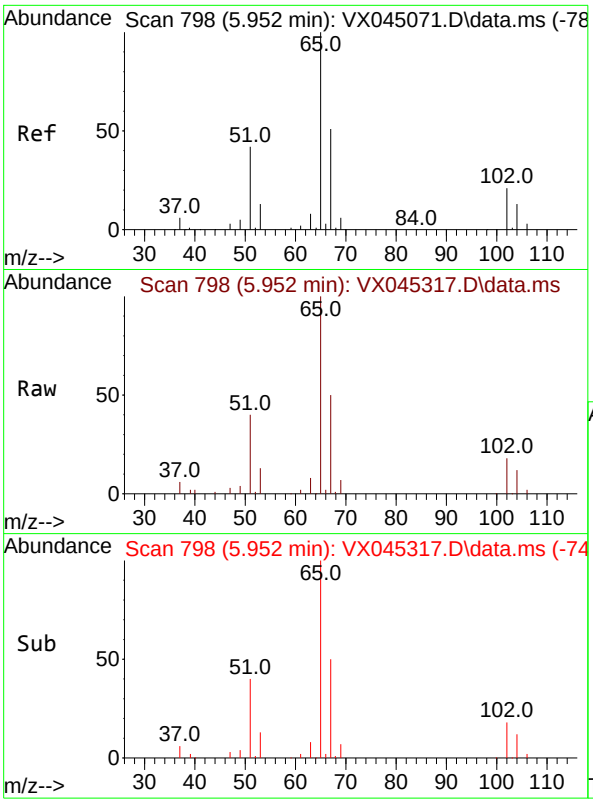


#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.147 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion:101 Resp: 34396

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.8	56.4	84.6



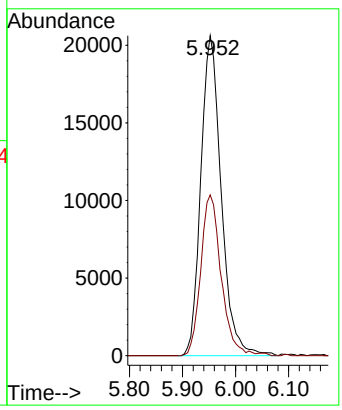


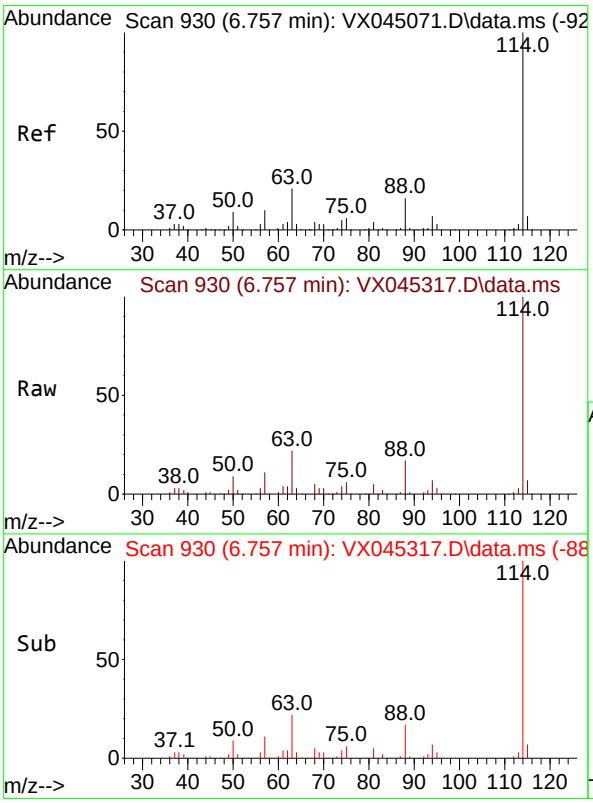
#33
1,2-Dichloroethane-d4
Concen: 55.242 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion: 65 Resp: 55157

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2

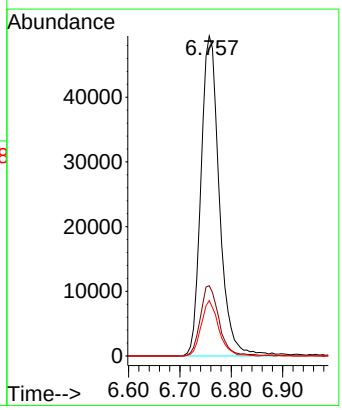


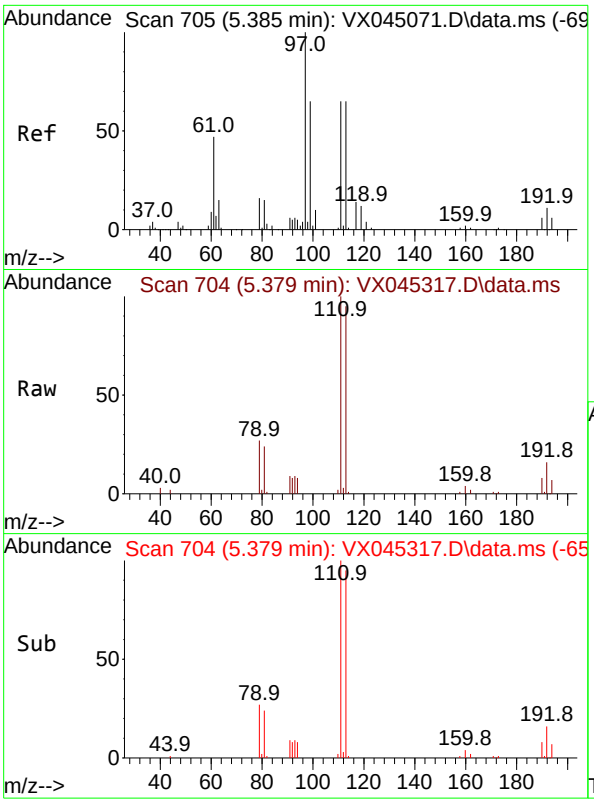


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion:114 Resp: 122918

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	17.3	0.0	32.8



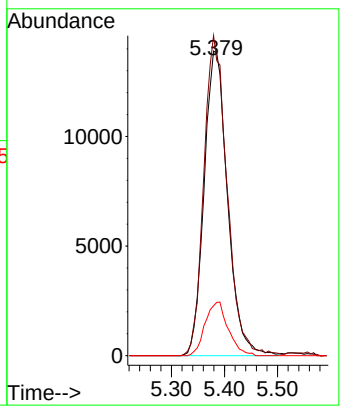


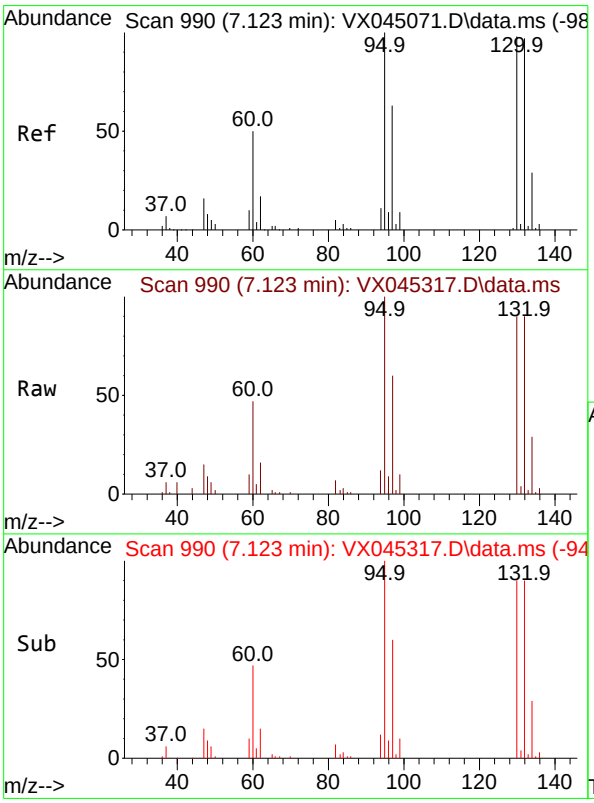
#35
Dibromofluoromethane
Concen: 51.978 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion:113 Resp: 42722

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	17.3	14.3	21.5

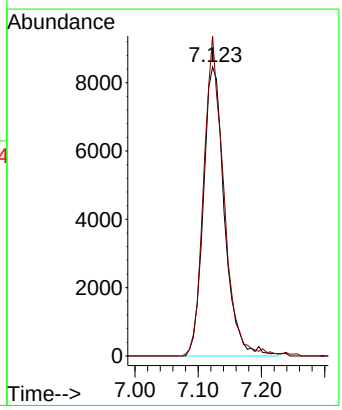


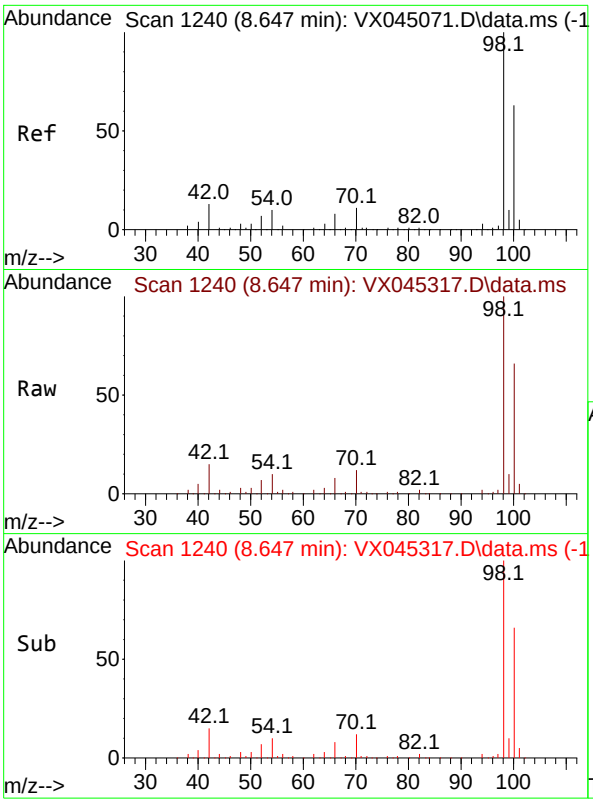


#44
Trichloroethene
Concen: 23.518 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion:130 Resp: 19656

Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	205.0



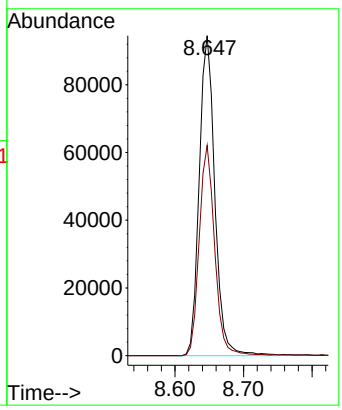


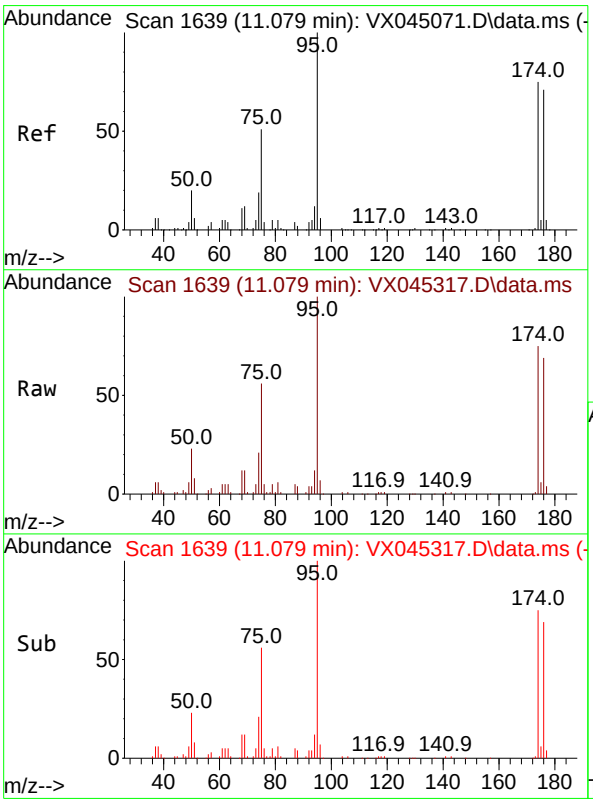
#50
Toluene-d8
Concen: 50.331 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion: 98 Resp: 149973

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

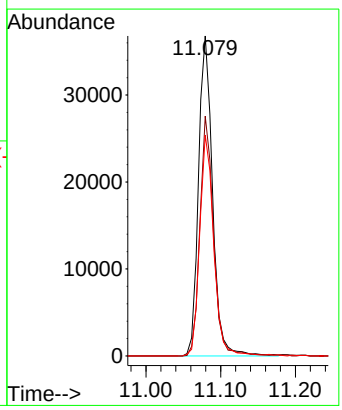


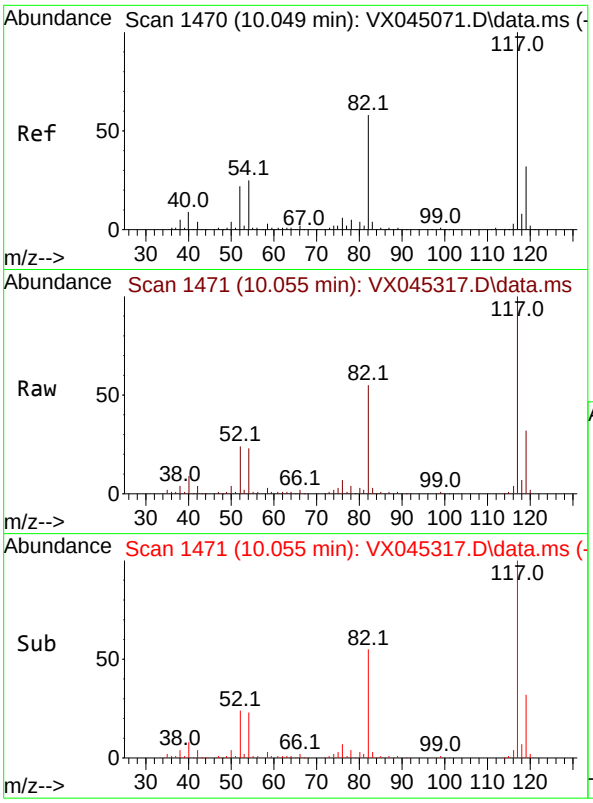


#62
4-Bromofluorobenzene
Concen: 48.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion: 95 Resp: 48011

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	68.8	0.0	141.4



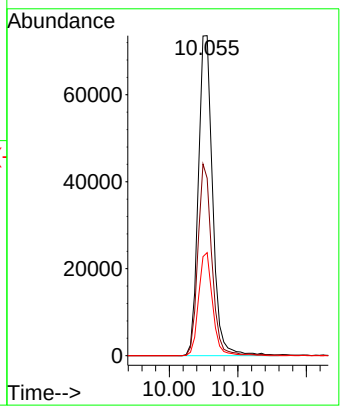


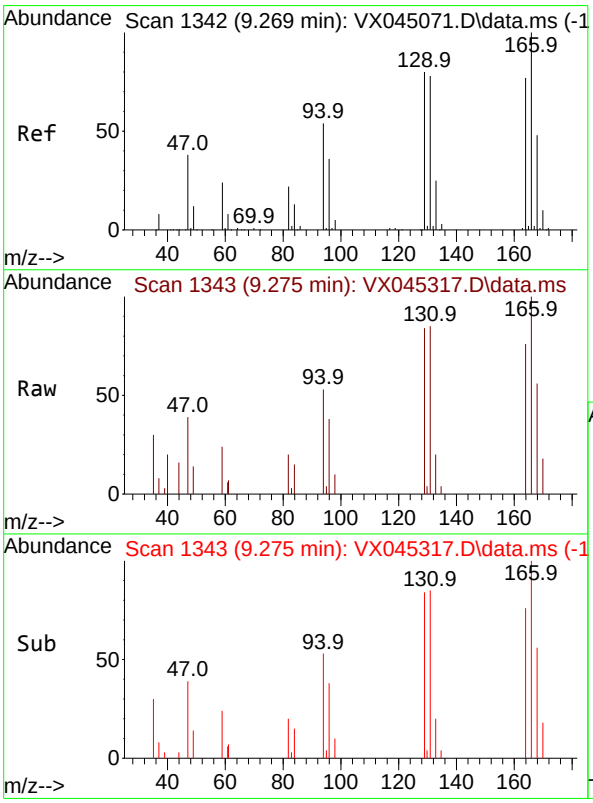
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion:117 Resp: 106951

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.3	69.5
119	32.2	25.7	38.5

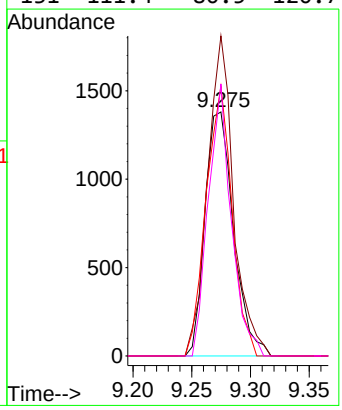


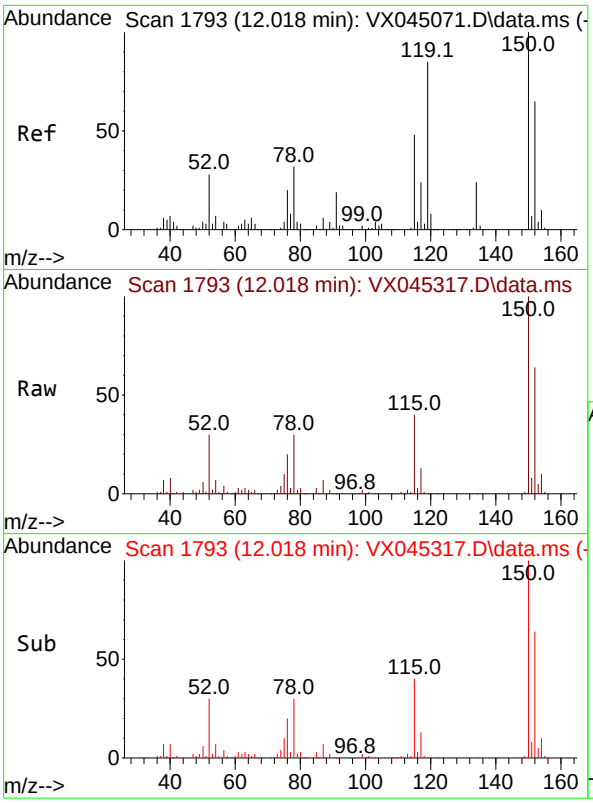


#64
Tetrachloroethene
Concen: 3.409 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion:164 Resp: 2335

Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.6	155.4
129	110.6	82.7	124.1
131	111.4	80.5	120.7



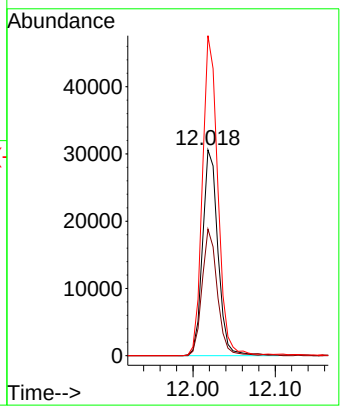


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

Tgt Ion:152 Resp: 39752

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.2	132.6
150	155.5	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP02-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-08	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
VX045356.D	1		03/20/25 13:17	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	1.70	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	3.30		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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP02-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-08	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
VX045356.D	1		03/20/25 13:17	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	J	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67700	5.549				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.024				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP02-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-08	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
VX045356.D	1		03/20/25 13:17	VX032025

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\VX032025\
Data File : VX045356.D
Acq On : 20 Mar 2025 13:17
Operator : JC/MD
Sample : Q1559-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Quant Time: Mar 21 05:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

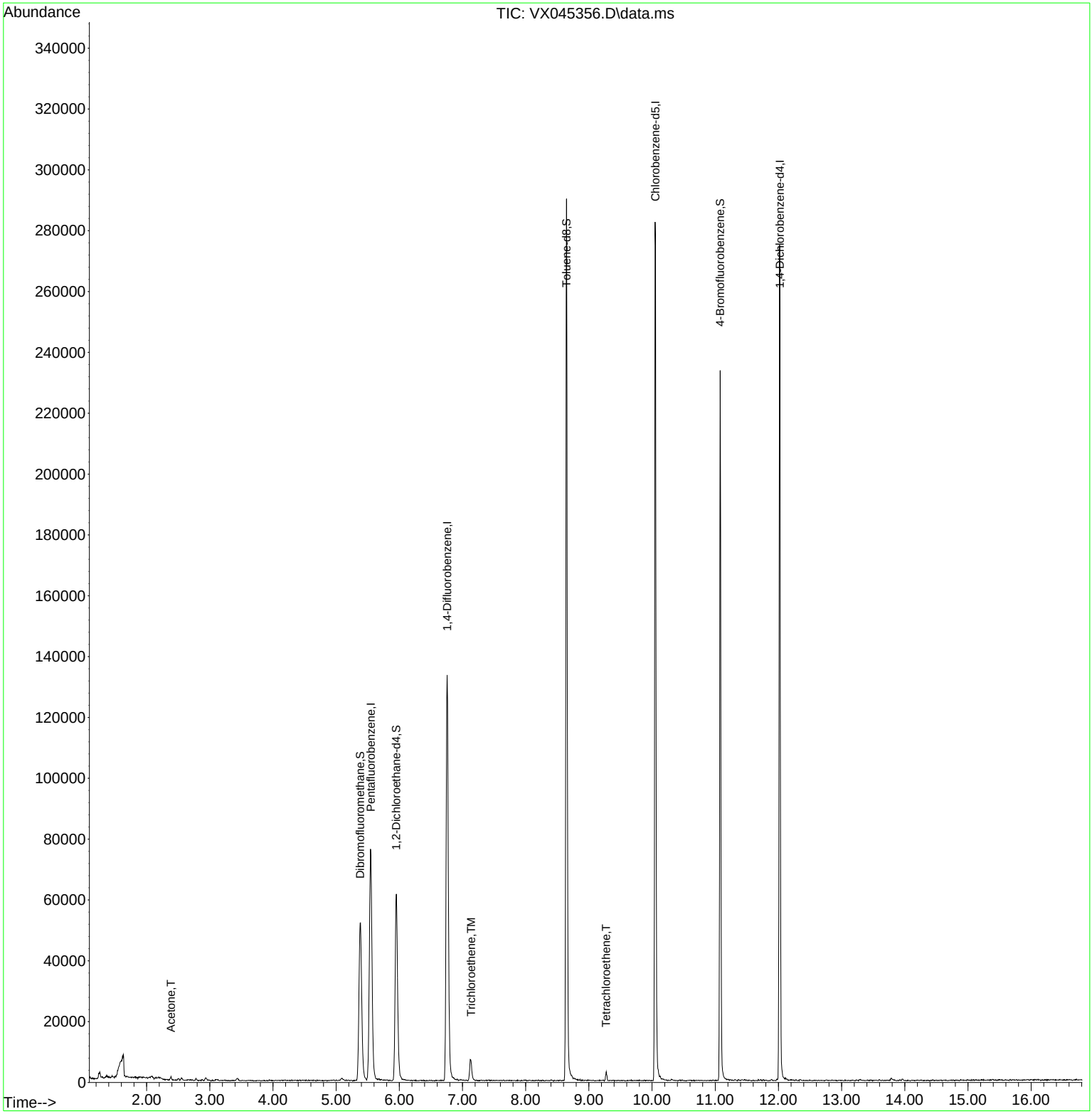
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	67663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60070	55.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	5.379	113	47034	53.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	8.646	98	165862	51.577	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	58691	55.077	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.160%			
Target Compounds						Qvalue
16) Acetone	2.385	43	857	1.716	ug/l #	81
44) Trichloroethene	7.134	130	2970	3.293	ug/l	64
64) Tetrachloroethene	9.274	164	390	0.500	ug/l	88

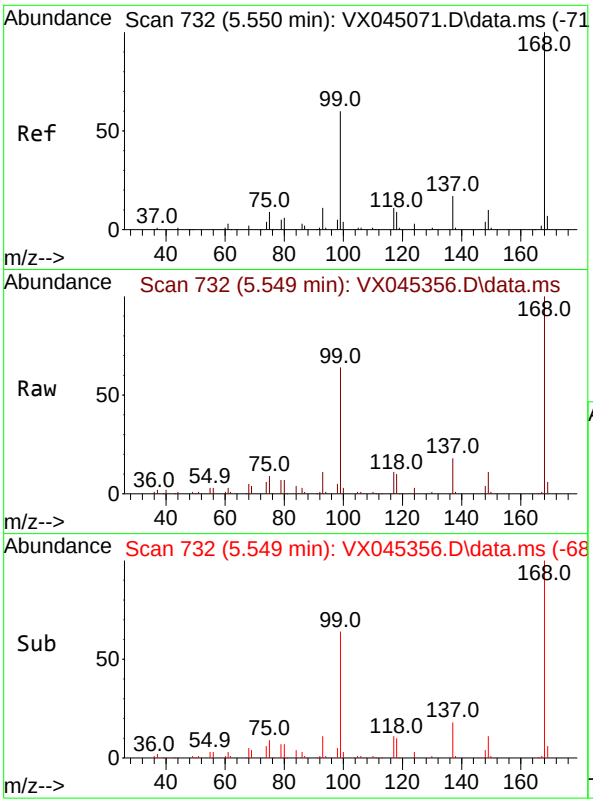
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045356.D
Acq On : 20 Mar 2025 13:17
Operator : JC/MD
Sample : Q1559-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Quant Time: Mar 21 05:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



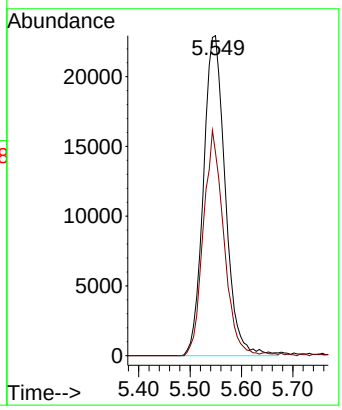


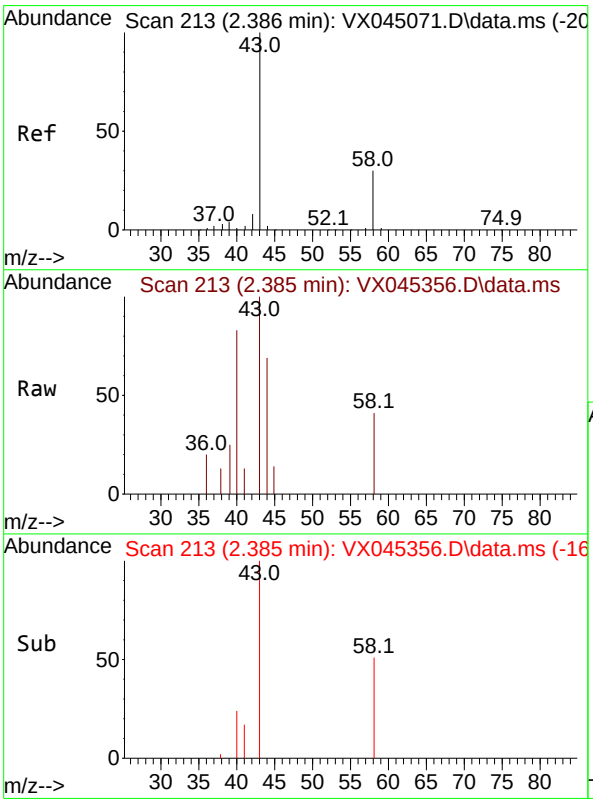
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion:168 Resp: 67663

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.2	72.4

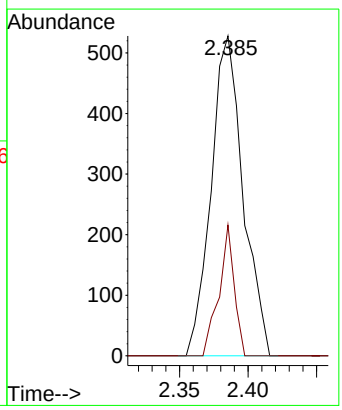


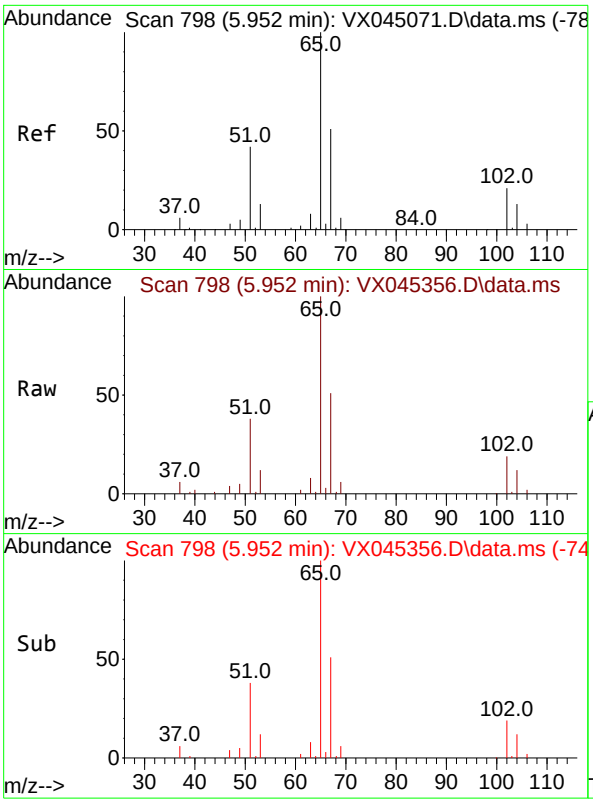


#16
Acetone
Concen: 1.716 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 43 Resp: 857

Ion	Ratio	Lower	Upper
43	100		
58	40.9	24.2	36.4#



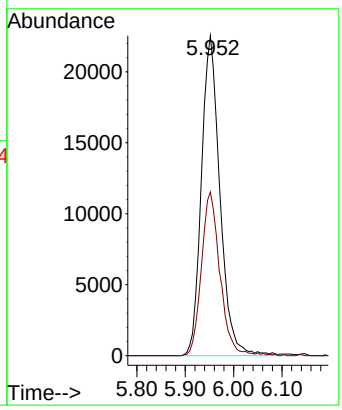


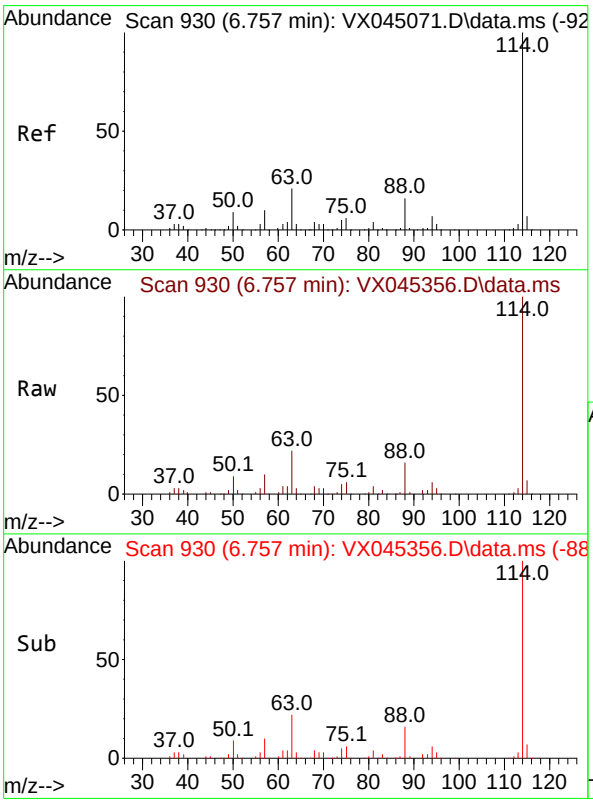
#33
1,2-Dichloroethane-d4
Concen: 55.813 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion: 65 Resp: 60070

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

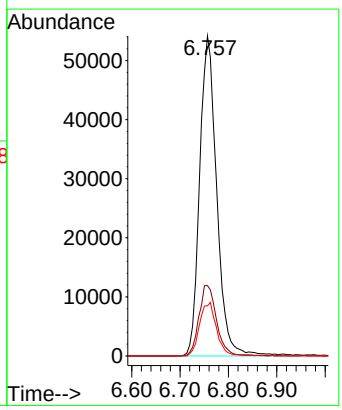


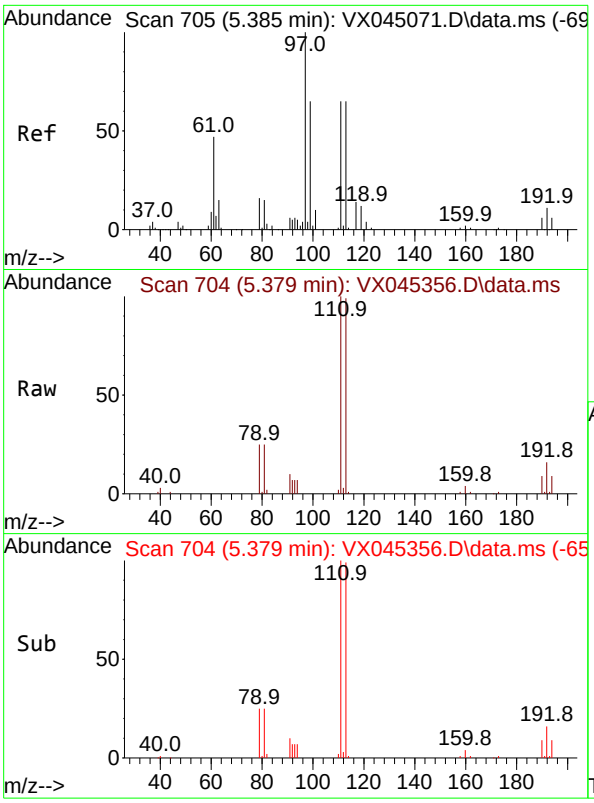


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion:114 Resp: 132656

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	15.7	0.0	32.8



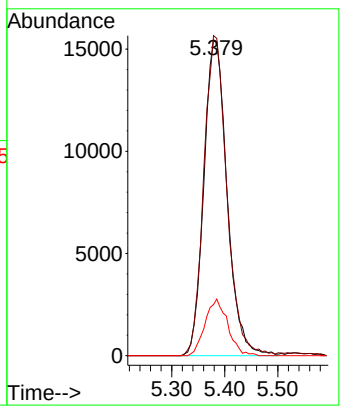


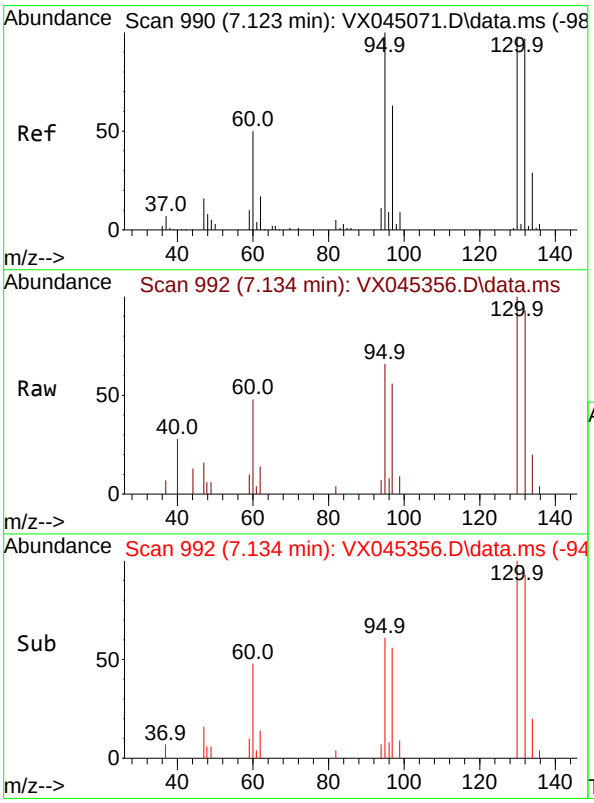
#35
Dibromofluoromethane
Concen: 53.024 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion:113 Resp: 47034

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.8	122.6
192	17.5	14.3	21.5

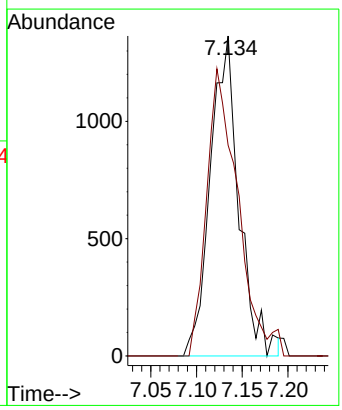


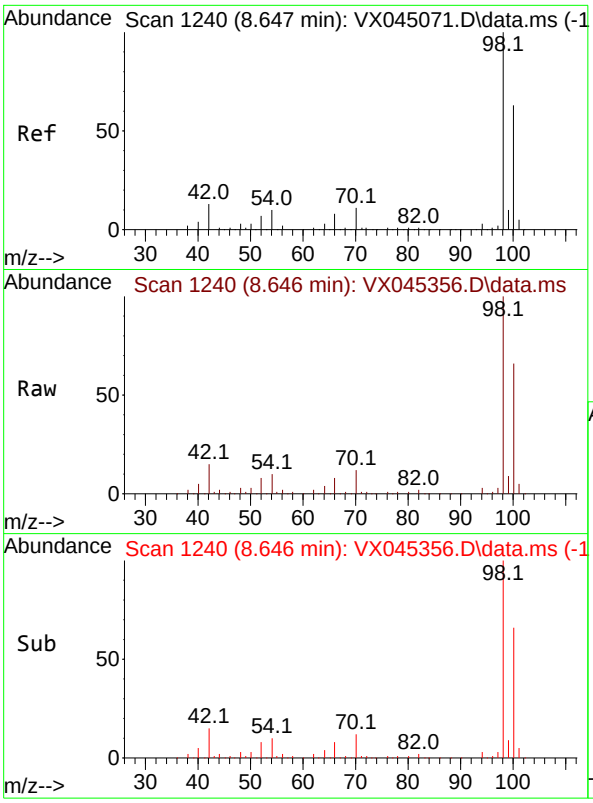


#44
Trichloroethene
Concen: 3.293 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion:130 Resp: 2970

Ion	Ratio	Lower	Upper
130	100		
95	65.8	0.0	205.0



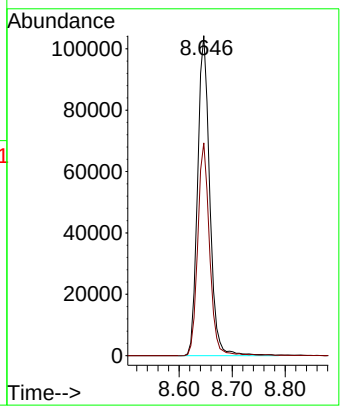


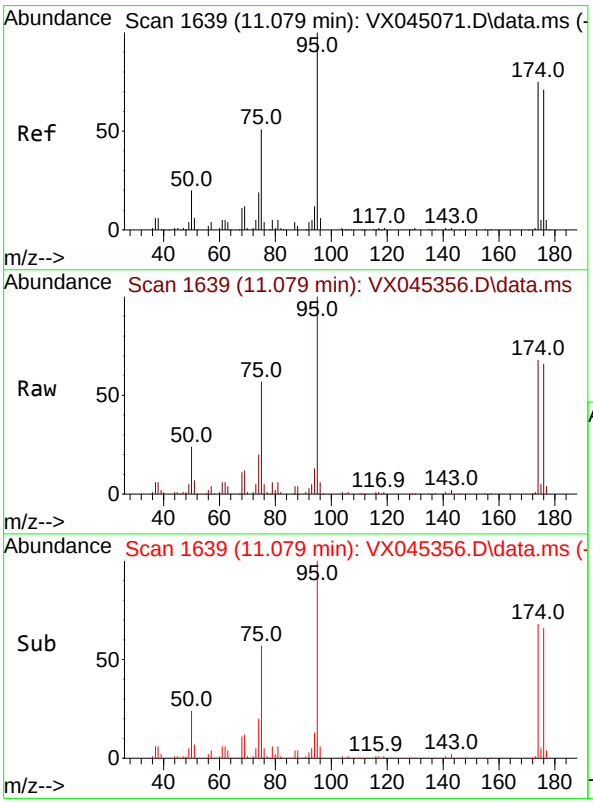
#50
Toluene-d8
Concen: 51.577 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion: 98 Resp: 165862

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

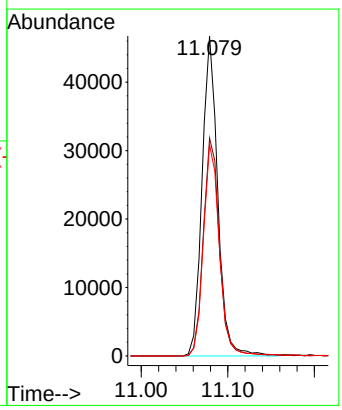


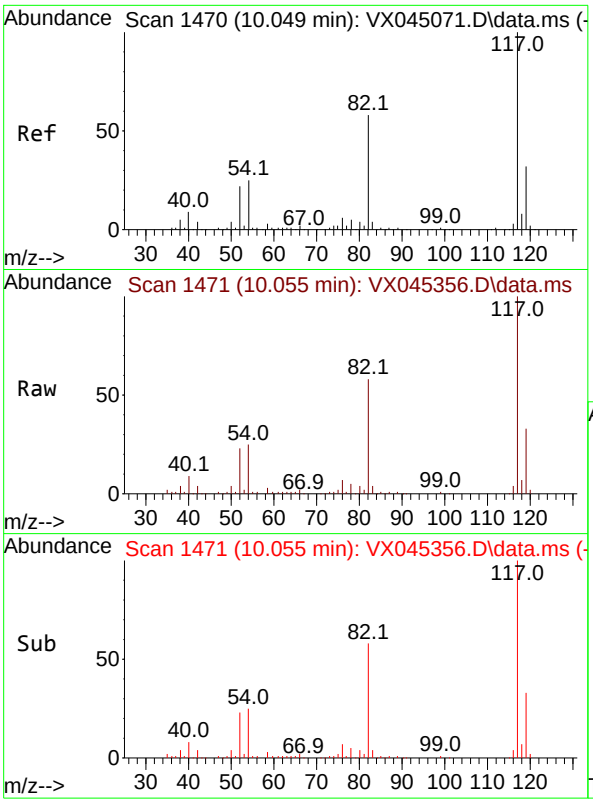


#62
4-Bromofluorobenzene
Concen: 55.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 95 Resp: 58691

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	148.2
176	67.8	0.0	141.4



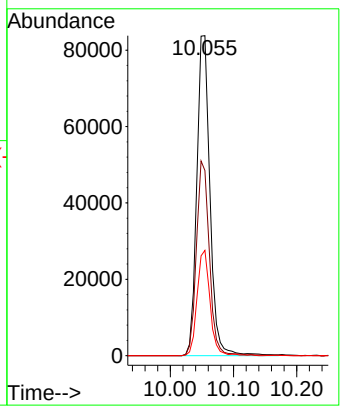


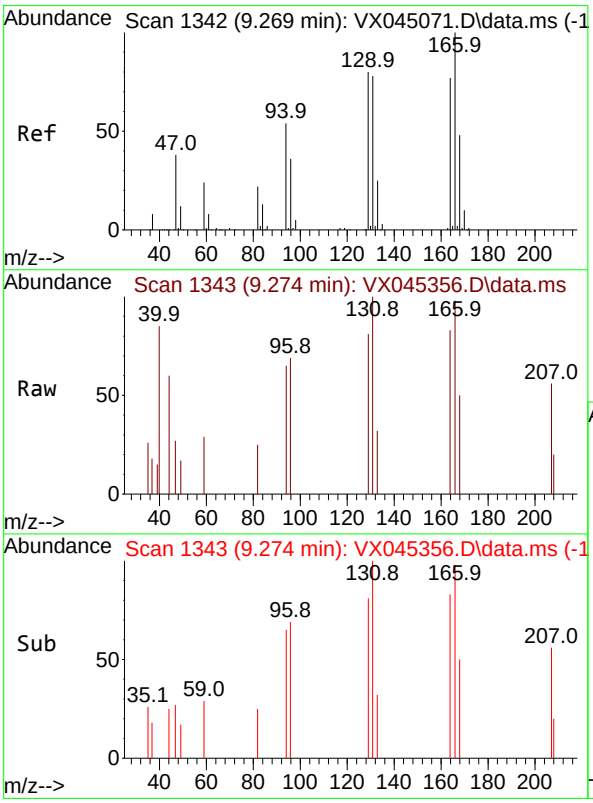
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion:117 Resp: 121785

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.9	25.7	38.5

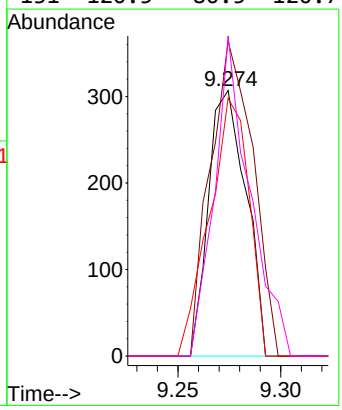


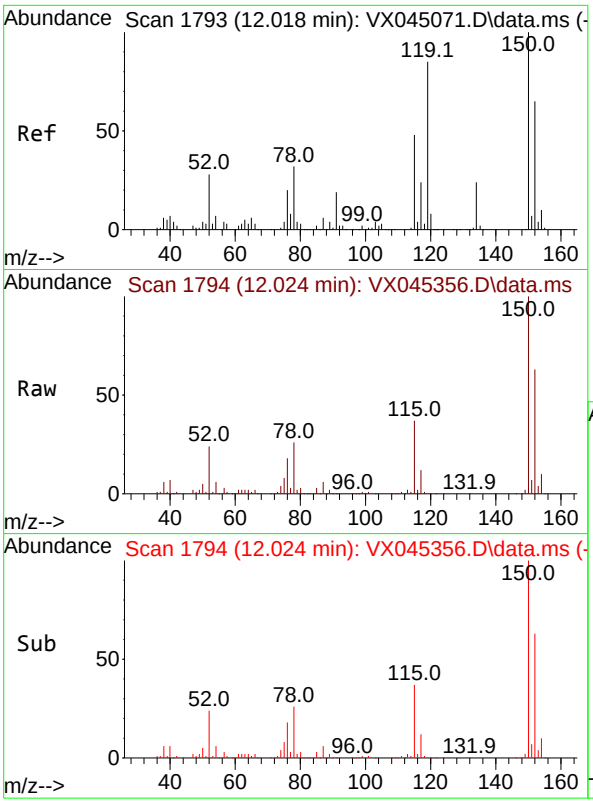


#64
Tetrachloroethene
Concen: 0.500 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion:164 Resp: 390

Ion	Ratio	Lower	Upper
164	100		
166	118.6	103.6	155.4
129	97.1	82.7	124.1
131	120.5	80.5	120.7



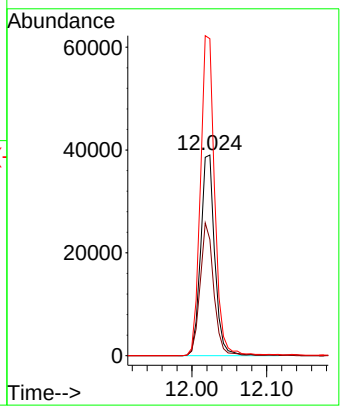


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

Tgt Ion:152 Resp: 51206

Ion	Ratio	Lower	Upper
152	100		
115	63.8	44.2	132.6
150	160.5	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045332.D	1		03/18/25 17:57	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00		0.22	0.50	1.00	ug/L
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	32.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	12.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.30	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	3.60		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	2.10		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	540	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045332.D	1		03/18/25 17:57	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	1.20		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68600	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51700	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310	SDG No.:	Q1559
Lab Sample ID:	Q1559-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045332.D	1		03/18/25 17:57	VX031825

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\VX031825\
Data File : VX045332.D
Acq On : 18 Mar 2025 17:57
Operator : JC/MD
Sample : Q1559-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Quant Time: Mar 19 01:48:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

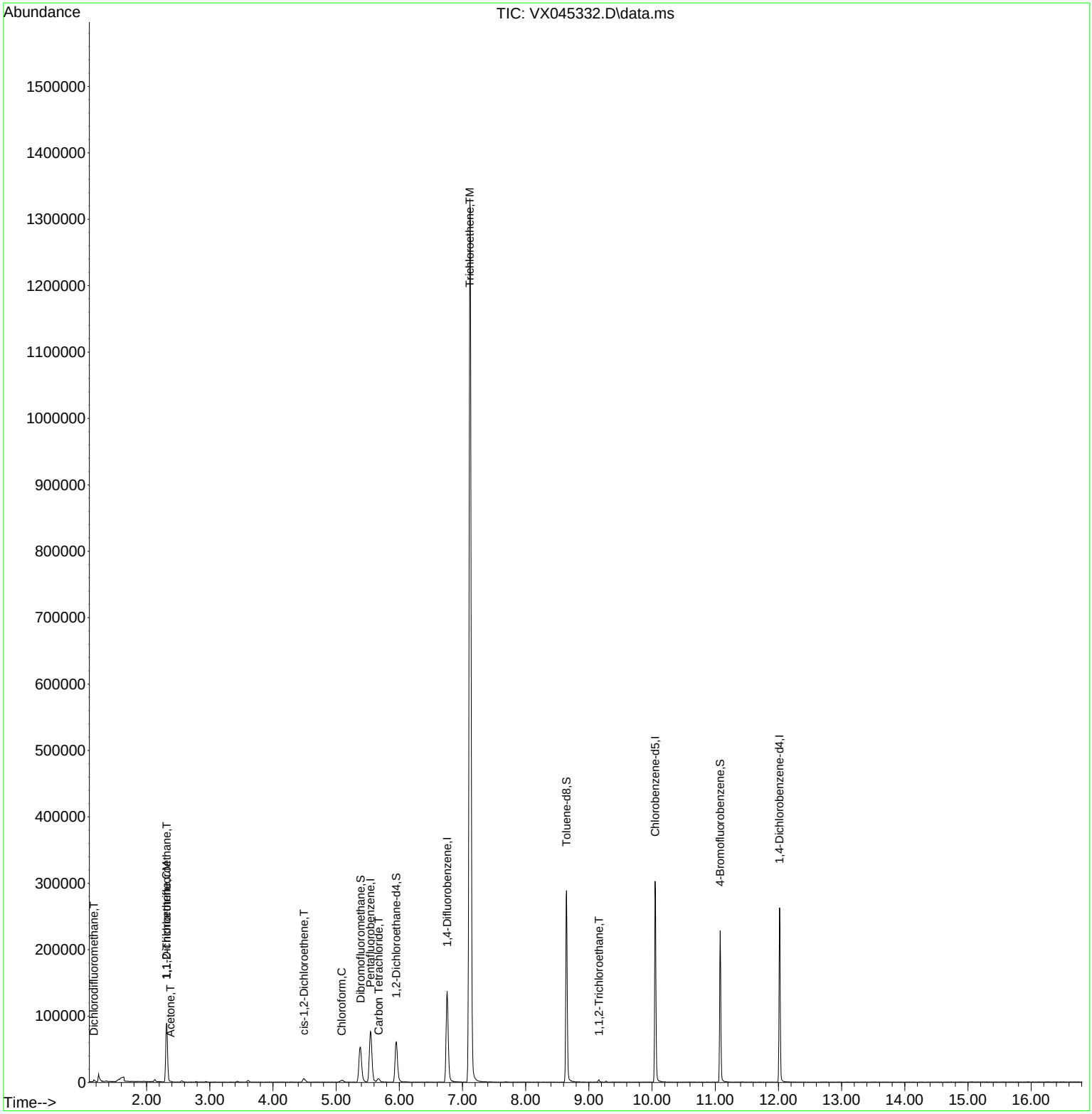
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	68641	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	133905	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	125891	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51700	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	60083	55.029	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.060%				
35) Dibromofluoromethane	5.385	113	46827	52.298	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.600%				
50) Toluene-d8	8.647	98	167939	51.736	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%				
62) 4-Bromofluorobenzene	11.079	95	59923	55.708	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.420%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1736	2.009	ug/l		71
9) 1,1,2-Trichlorotrifluo...	2.319	101	26032	32.631	ug/l		98
12) 1,1-Dichloroethene	2.313	96	10530	12.484	ug/l		99
16) Acetone	2.380	43	1173	2.316	ug/l	#	78
27) cis-1,2-Dichloroethene	4.489	96	3449	3.353	ug/l		93
30) Chloroform	5.087	83	3630	2.135	ug/l		92
38) Carbon Tetrachloride	5.672	117	4432	3.555	ug/l	#	88
44) Trichloroethene	7.117	130	491693	540.037	ug/l		95
55) 1,1,2-Trichloroethane	9.159	97	1101	1.176	ug/l		93

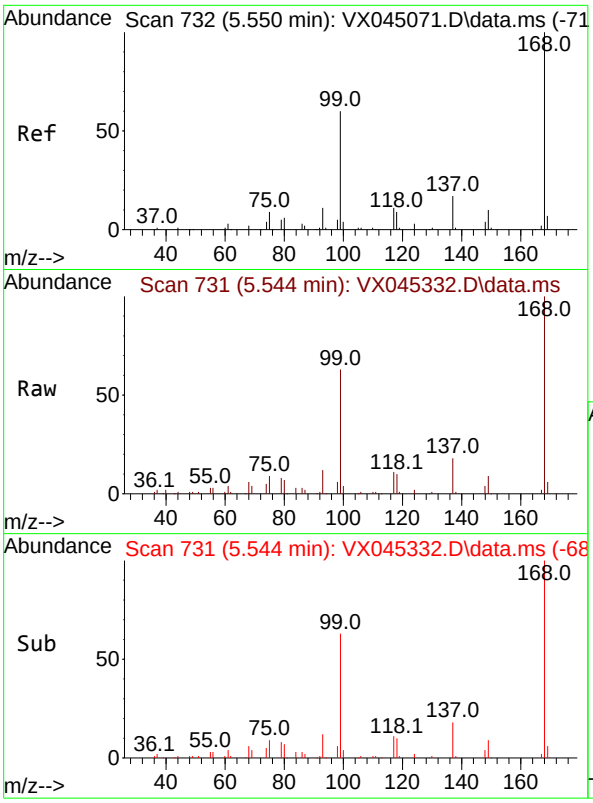
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045332.D
Acq On : 18 Mar 2025 17:57
Operator : JC/MD
Sample : Q1559-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Quant Time: Mar 19 01:48:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



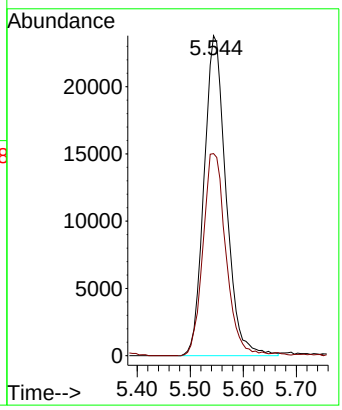


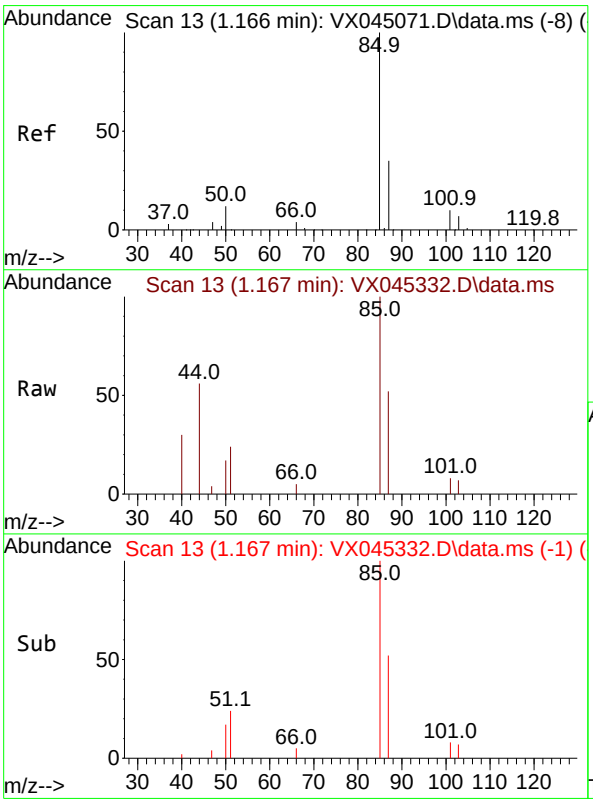
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion:168 Resp: 68641

Ion	Ratio	Lower	Upper
168	100		
99	63.2	48.2	72.4

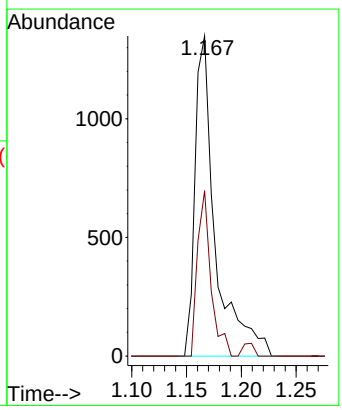


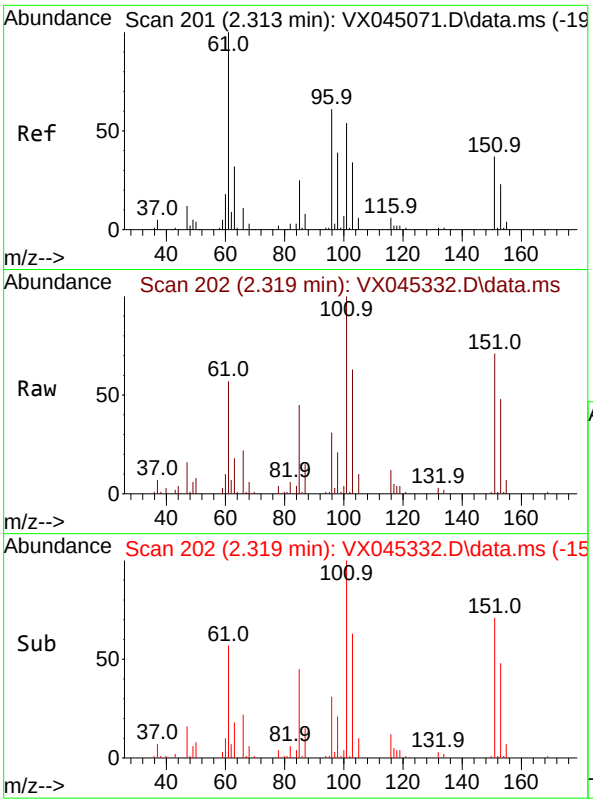


#2
Dichlorodifluoromethane
Concen: 2.009 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion: 85 Resp: 1736

Ion	Ratio	Lower	Upper
85	100		
87	51.7	17.4	52.3



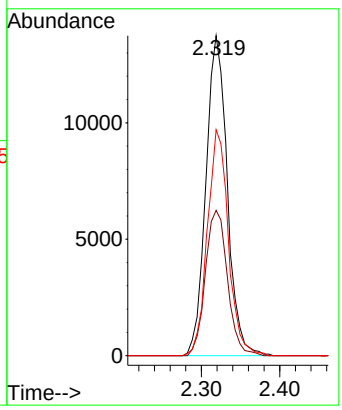


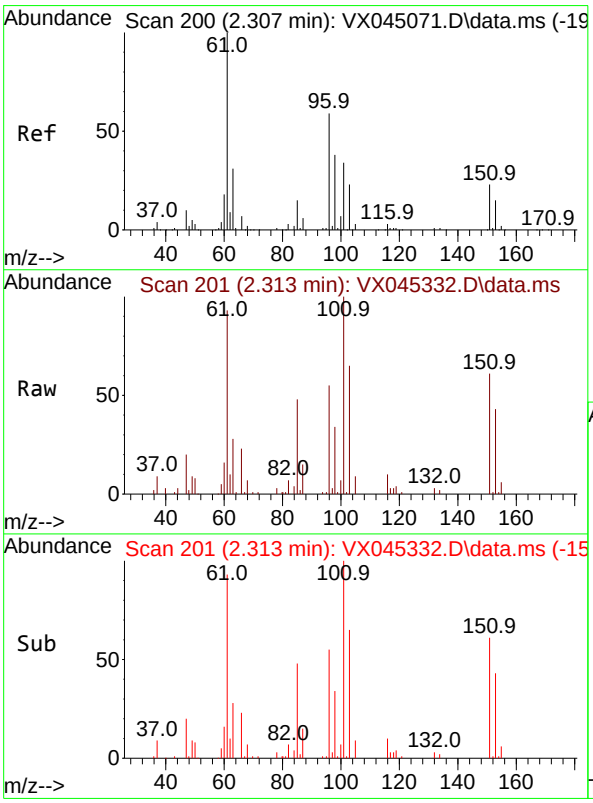
#9
1,1,2-Trichlorotrifluoroethane
Concen: 32.631 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion:101 Resp: 26032

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	69.4	56.4	84.6

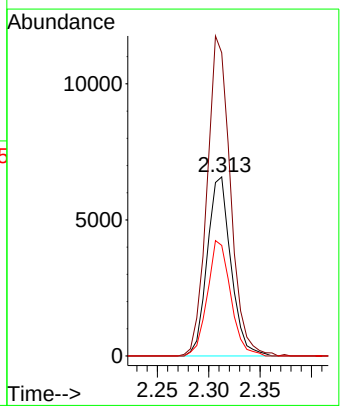


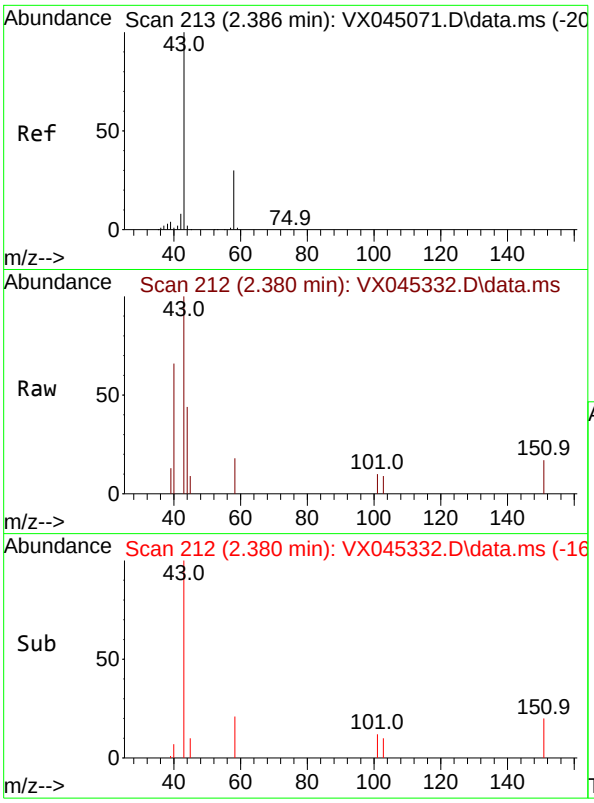


#12
1,1-Dichloroethene
Concen: 12.484 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion: 96 Resp: 10530

Ion	Ratio	Lower	Upper
96	100		
61	169.4	134.6	202.0
98	61.7	51.0	76.6



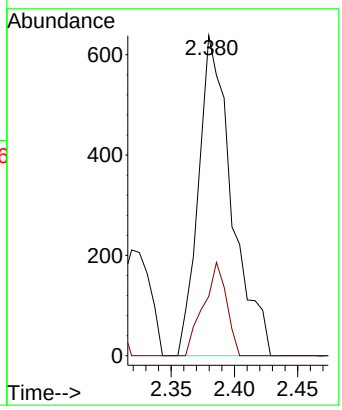


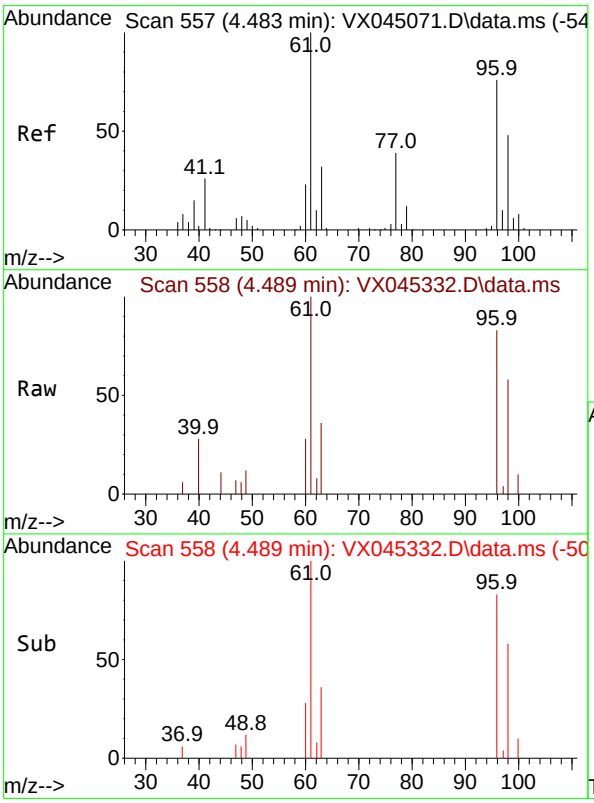
#16
Acetone
Concen: 2.316 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion: 43 Resp: 1173

Ion	Ratio	Lower	Upper
43	100		
58	18.5	24.2	36.4#

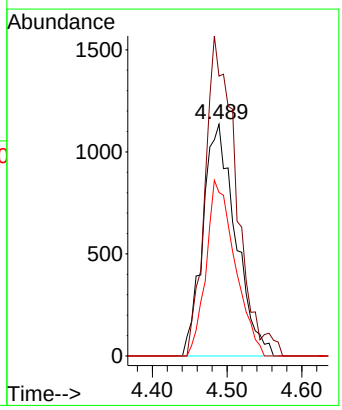


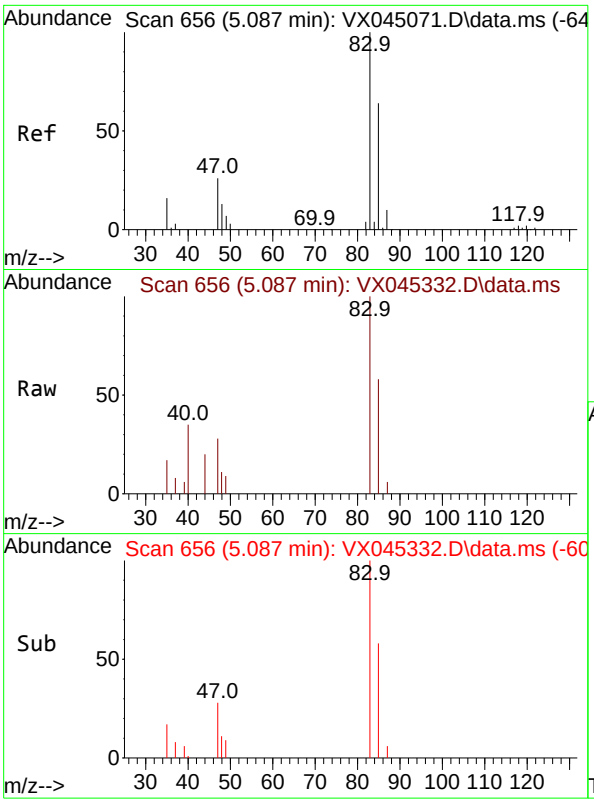


#27
cis-1,2-Dichloroethene
Concen: 3.353 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion: 96 Resp: 3449

Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	283.2
98	66.6	0.0	128.0



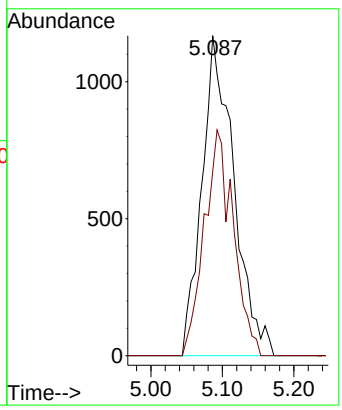


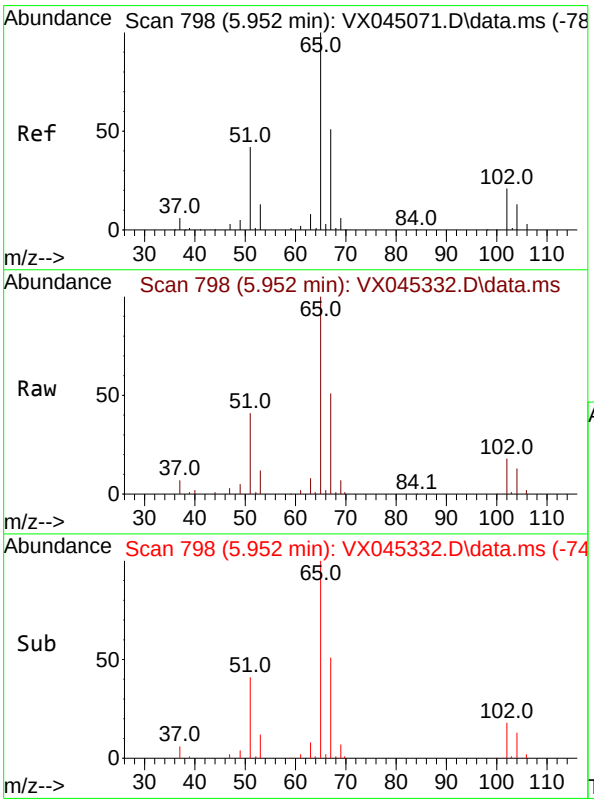
#30
Chloroform
Concen: 2.135 ug/l
RT: 5.087 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion: 83 Resp: 3630

Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.4	77.2

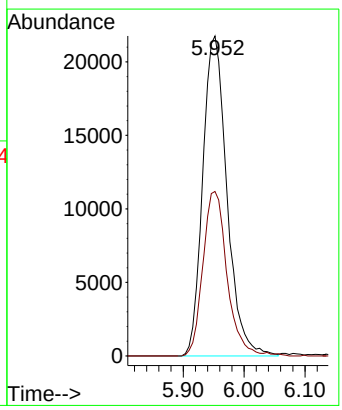


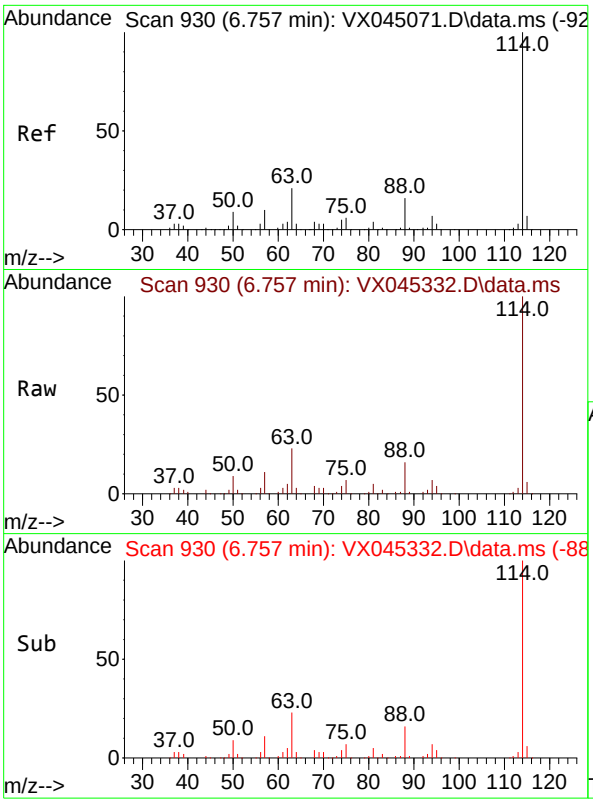


#33
1,2-Dichloroethane-d4
Concen: 55.029 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion: 65 Resp: 60083

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2



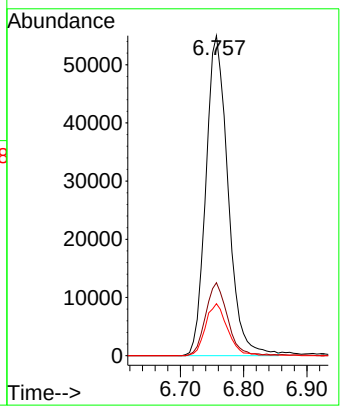


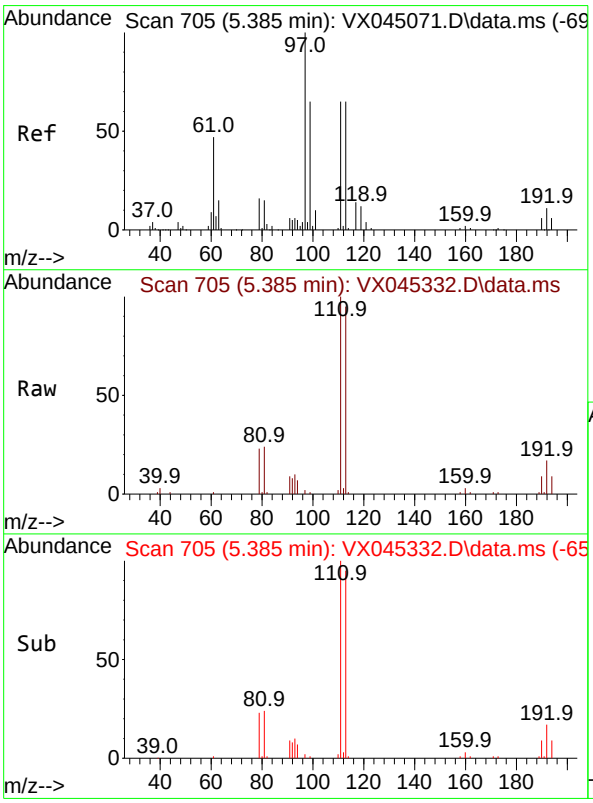
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion:114 Resp: 133905

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.3	0.0	32.8

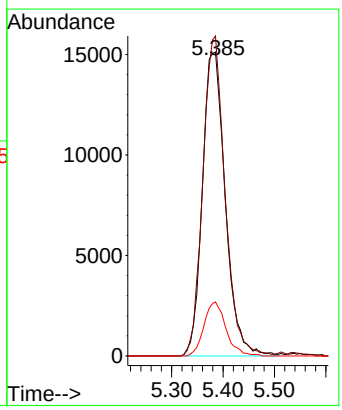


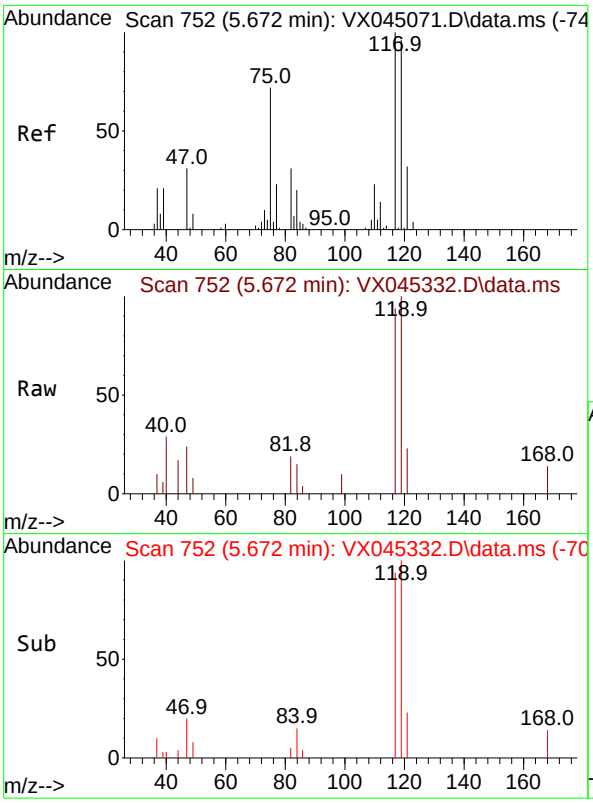


#35
Dibromofluoromethane
Concen: 52.298 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion:113 Resp: 46827

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	17.1	14.3	21.5



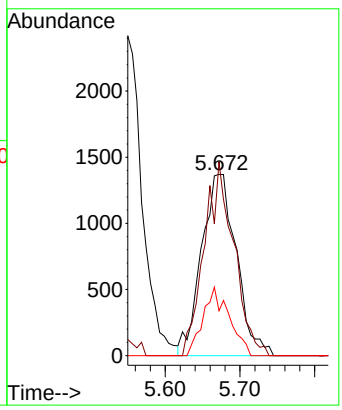


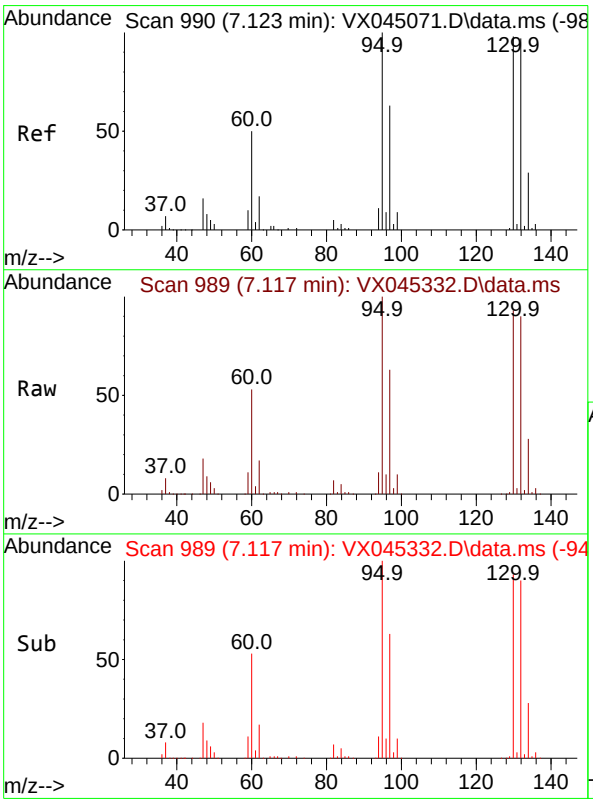
#38
Carbon Tetrachloride
Concen: 3.555 ug/l
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion:117 Resp: 4432

Ion	Ratio	Lower	Upper
117	100		
119	106.9	76.7	115.1
121	24.7	25.5	38.3#

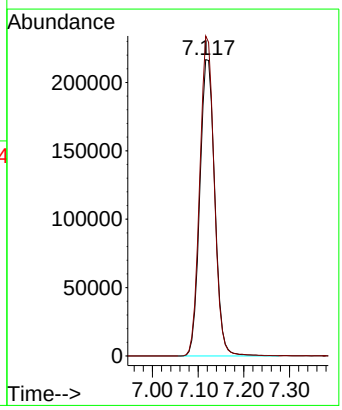


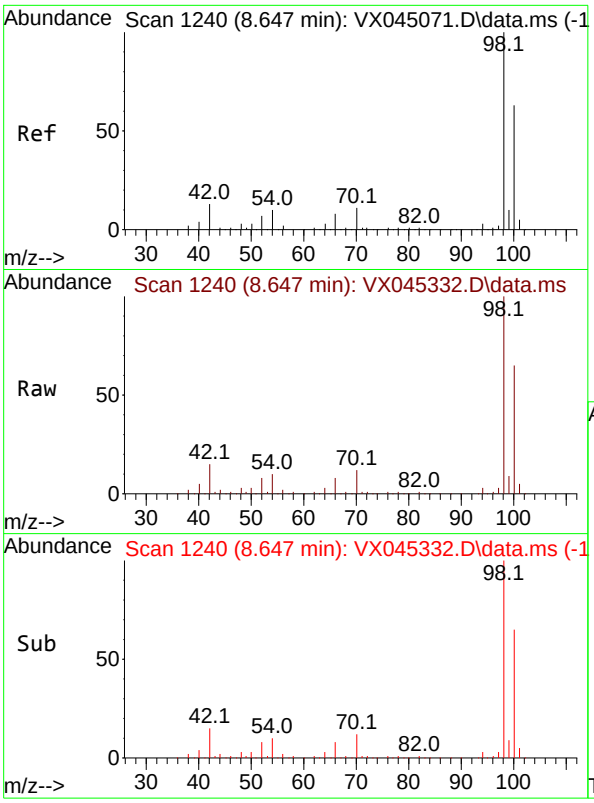


#44
Trichloroethene
Concen: 540.037 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion:130 Resp: 491693

Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	205.0



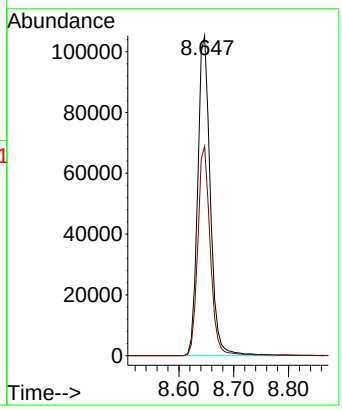


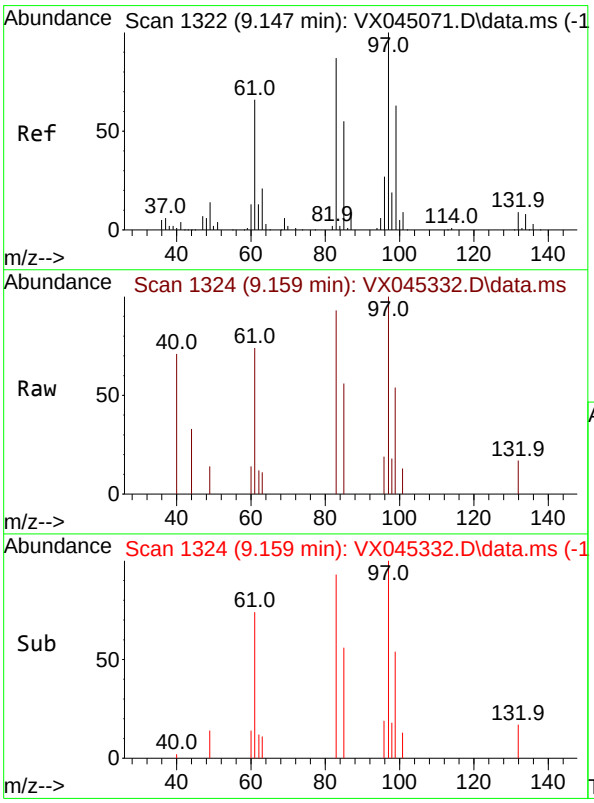
#50
Toluene-d8
Concen: 51.736 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion: 98 Resp: 167939

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

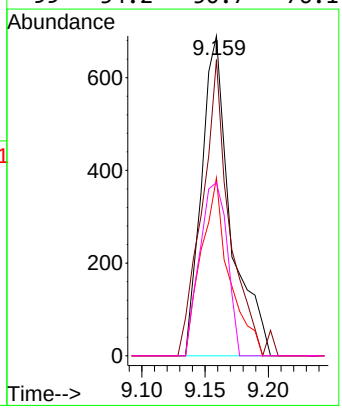


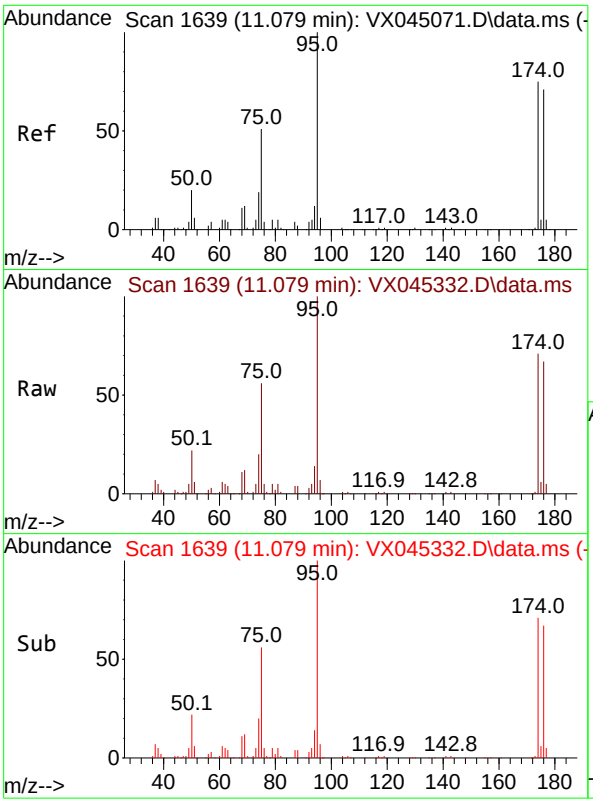


#55
1,1,2-Trichloroethane
Concen: 1.176 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion: 97 Resp: 1101

Ion	Ratio	Lower	Upper
97	100		
83	92.6	69.4	104.2
85	55.7	44.1	66.1
99	54.2	50.7	76.1



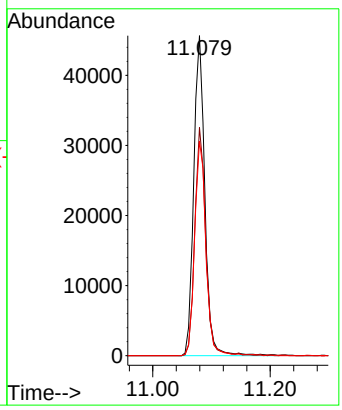


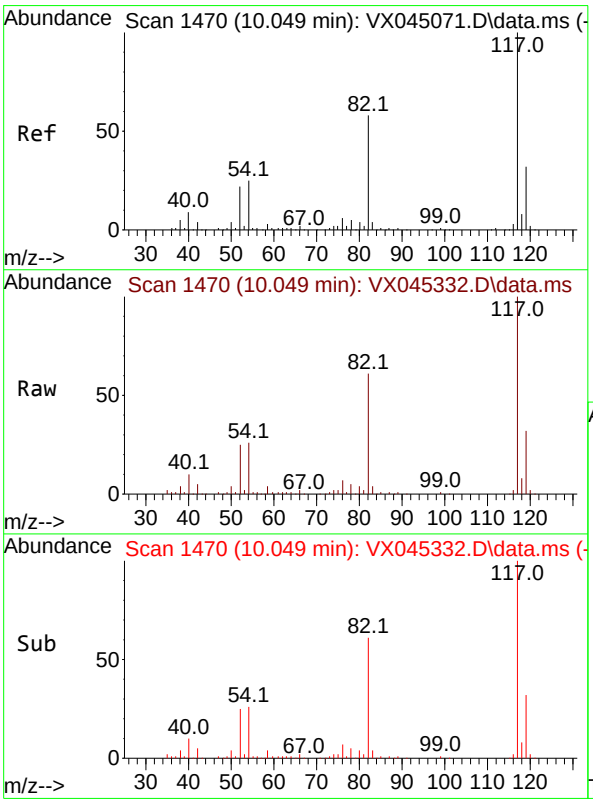
#62
4-Bromofluorobenzene
Concen: 55.708 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion: 95 Resp: 59923

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	67.9	0.0	141.4

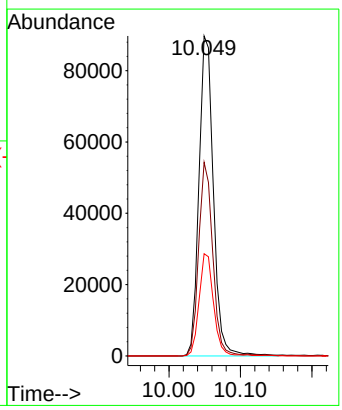


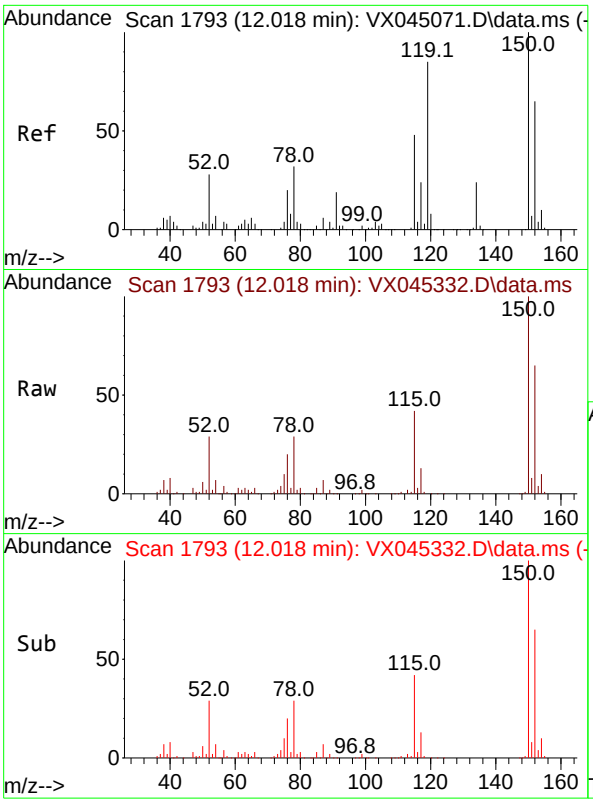


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Tgt Ion:117 Resp: 125891

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	32.0	25.7	38.5



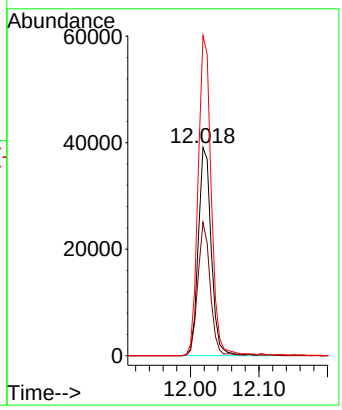


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045332.D
Acq: 18 Mar 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310

Tgt Ion:152 Resp: 51700

Ion	Ratio	Lower	Upper
152	100		
115	61.1	44.2	132.6
150	154.9	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-09DL	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
VX045352.D	10		03/20/25 11:44	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
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	30.3	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	14.0	D	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
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	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
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	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
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	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	510	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-09DL	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
VX045352.D	10		03/20/25 11:44	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	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
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67600	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	45300	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP03-20250310DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-09DL	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
VX045352.D	10		03/20/25 11:44	VX032025

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\VX032025\
Data File : VX045352.D
Acq On : 20 Mar 2025 11:44
Operator : JC/MD
Sample : Q1559-09DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Quant Time: Mar 21 01:44:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

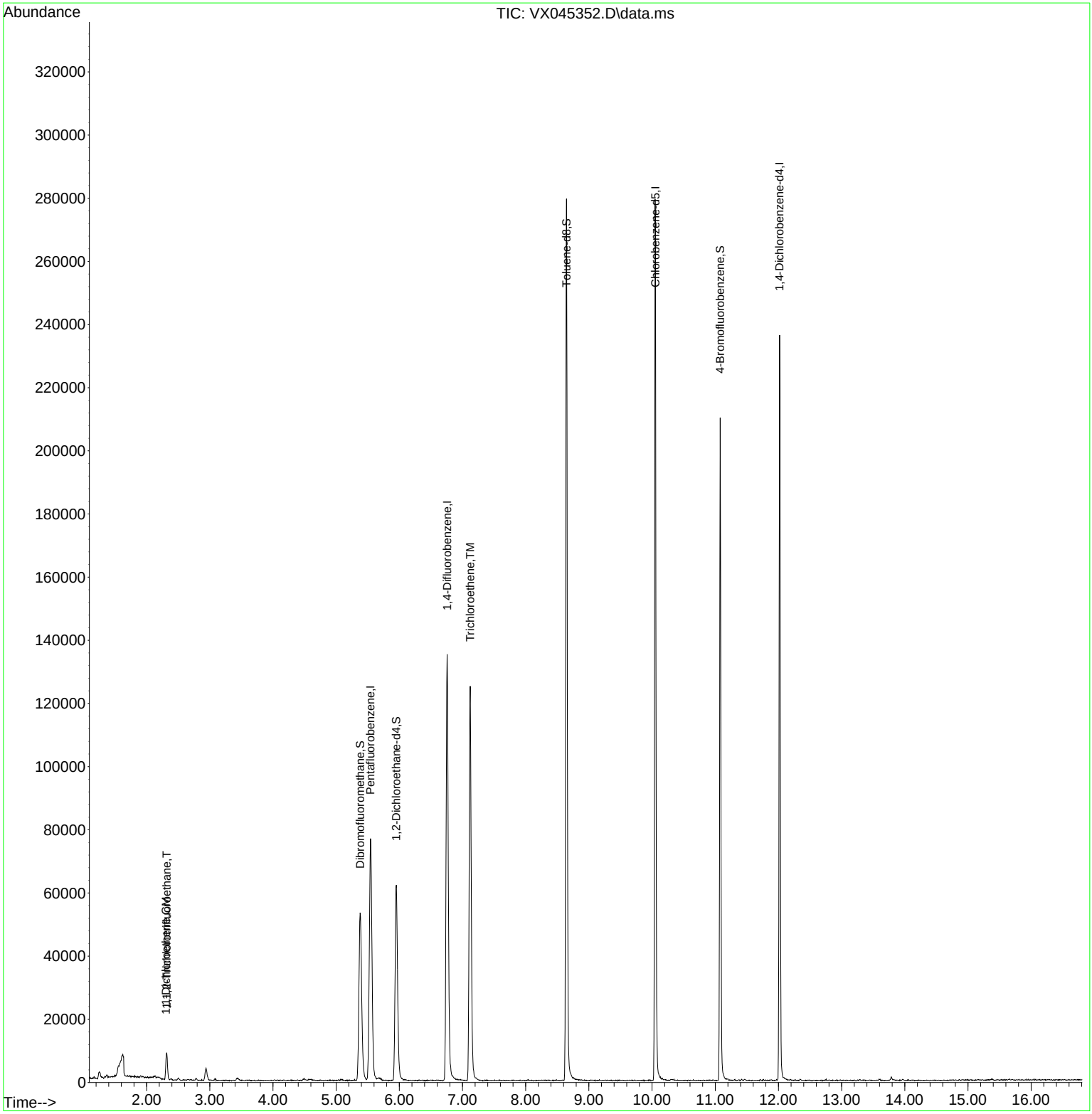
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61600	57.301	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.600%			
35) Dibromofluoromethane	5.379	113	46858	52.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.260%			
50) Toluene-d8	8.647	98	164552	50.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.960%			
62) 4-Bromofluorobenzene	11.079	95	54195	50.667	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.340%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	2383	3.034	ug/l	95
12) 1,1-Dichloroethene	2.306	96	1159	1.396	ug/l	97
44) Trichloroethene	7.123	130	45737	50.517	ug/l	97

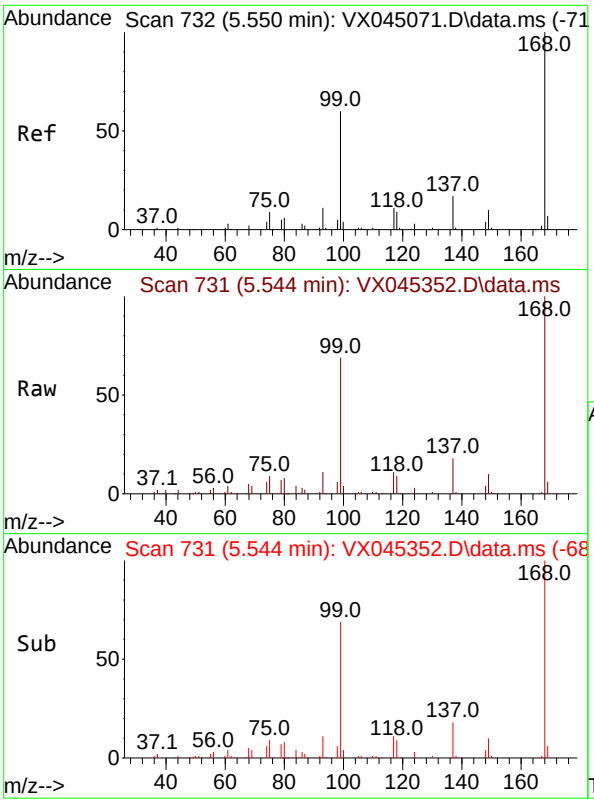
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045352.D
Acq On : 20 Mar 2025 11:44
Operator : JC/MD
Sample : Q1559-09DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Quant Time: Mar 21 01:44:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



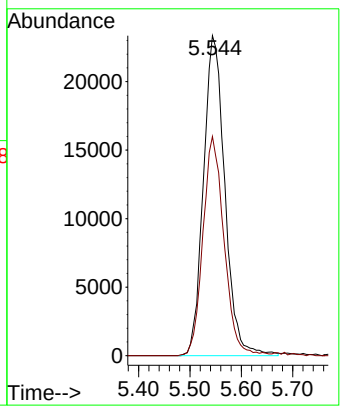


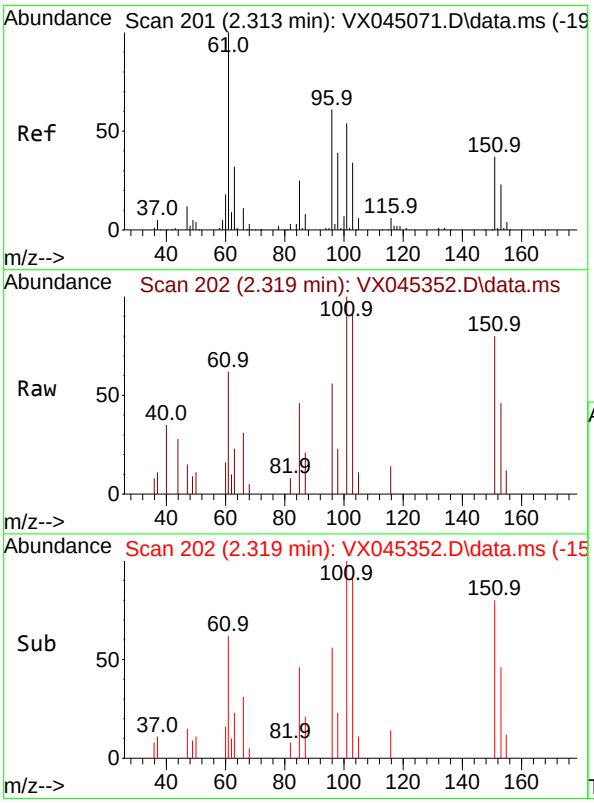
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion:168 Resp: 67584

Ion	Ratio	Lower	Upper
168	100		
99	68.5	48.2	72.4

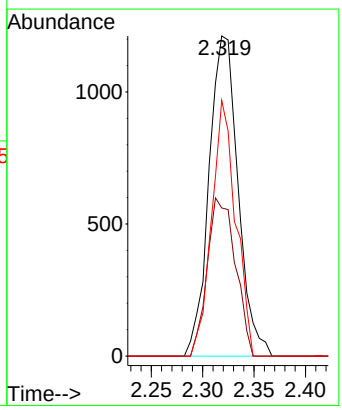


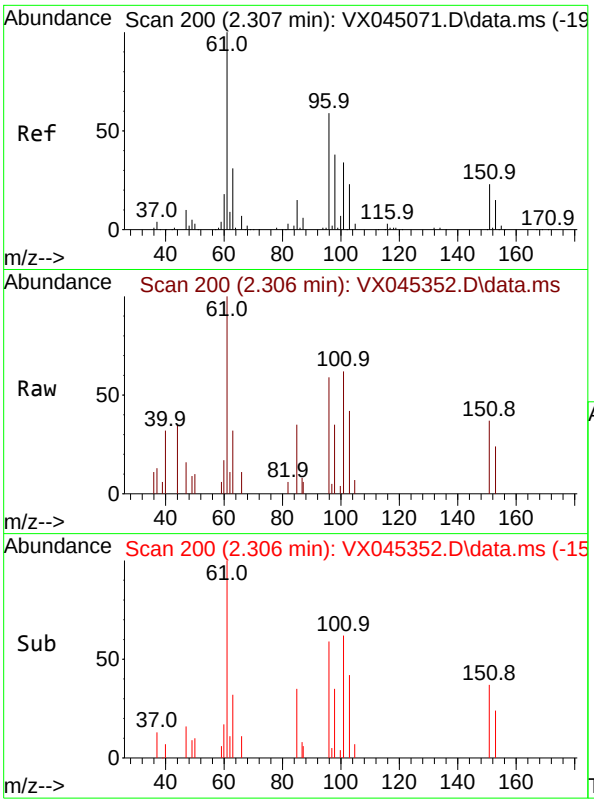


#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.034 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion:101 Resp: 2383

Ion	Ratio	Lower	Upper
101	100		
85	47.8	36.2	54.4
151	66.2	56.4	84.6



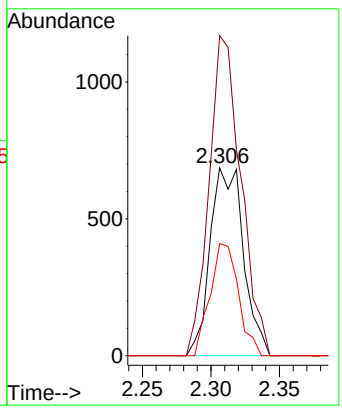


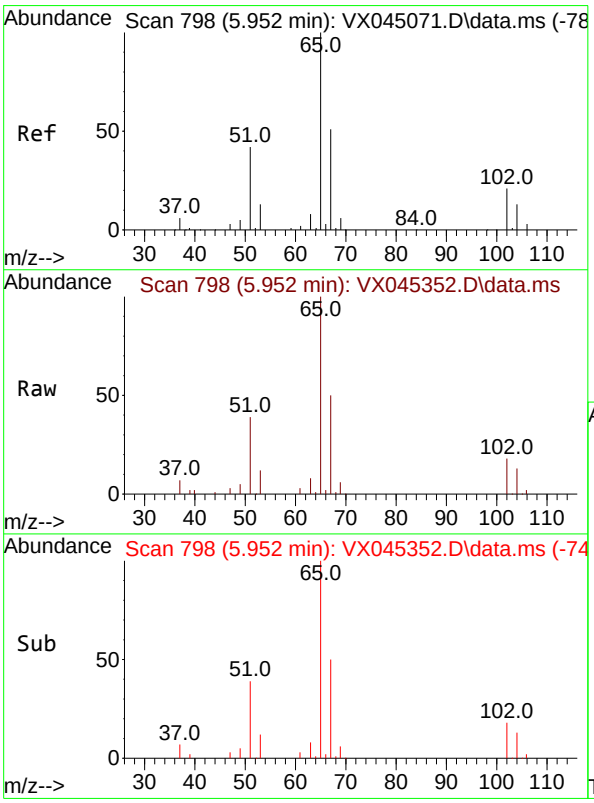
#12
1,1-Dichloroethene
Concen: 1.396 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion: 96 Resp: 1159

Ion	Ratio	Lower	Upper
96	100		
61	170.4	134.6	202.0
98	59.6	51.0	76.6

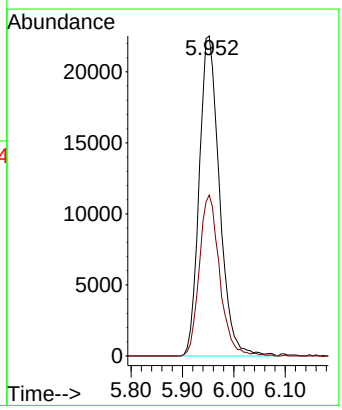


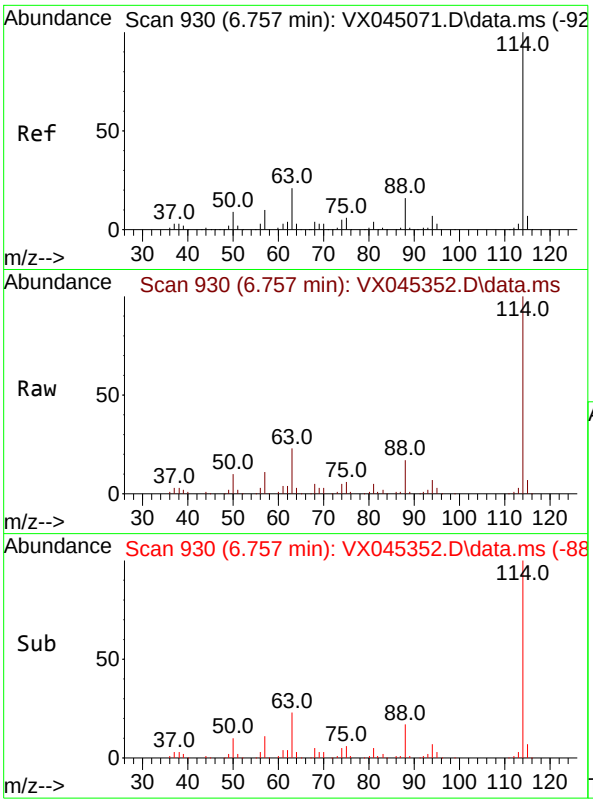


#33
1,2-Dichloroethane-d4
Concen: 57.301 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 65 Resp: 61600

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



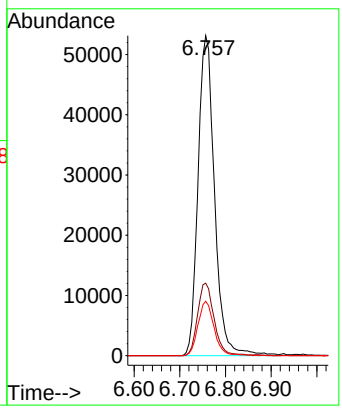


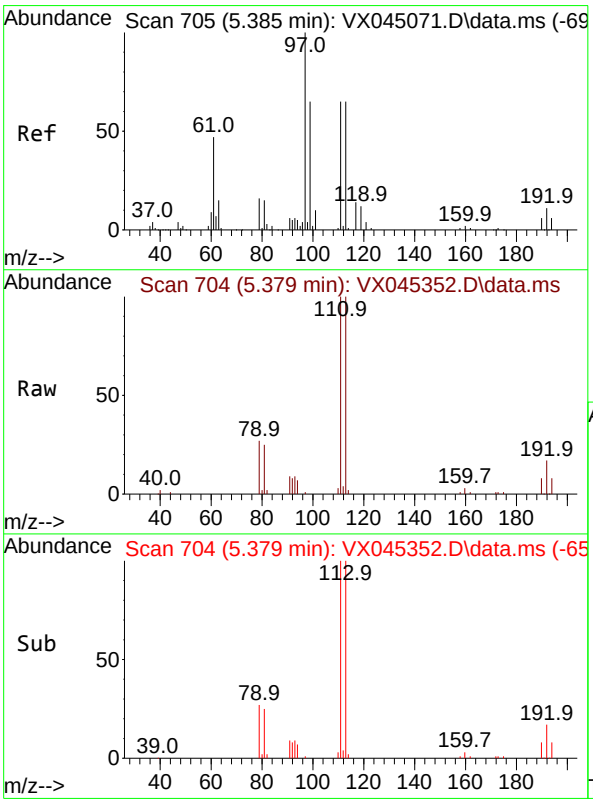
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion:114 Resp: 133155

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	17.0	0.0	32.8

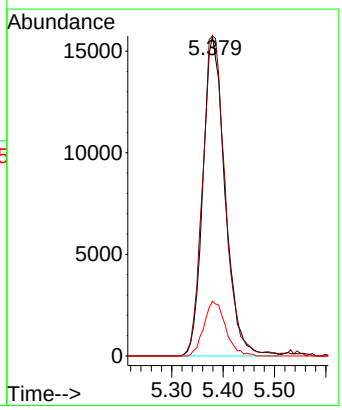


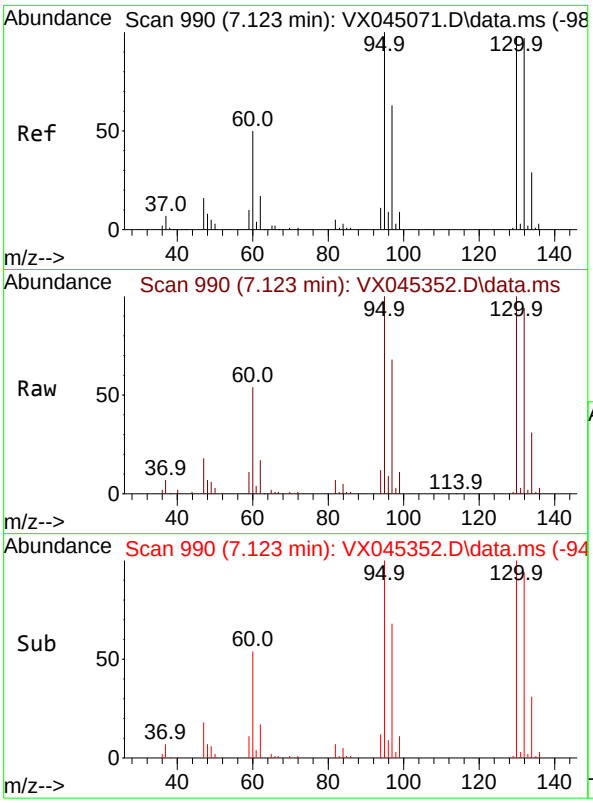


#35
Dibromofluoromethane
Concen: 52.627 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion:113 Resp: 46858

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	16.9	14.3	21.5



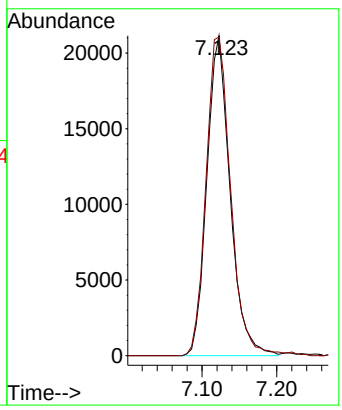


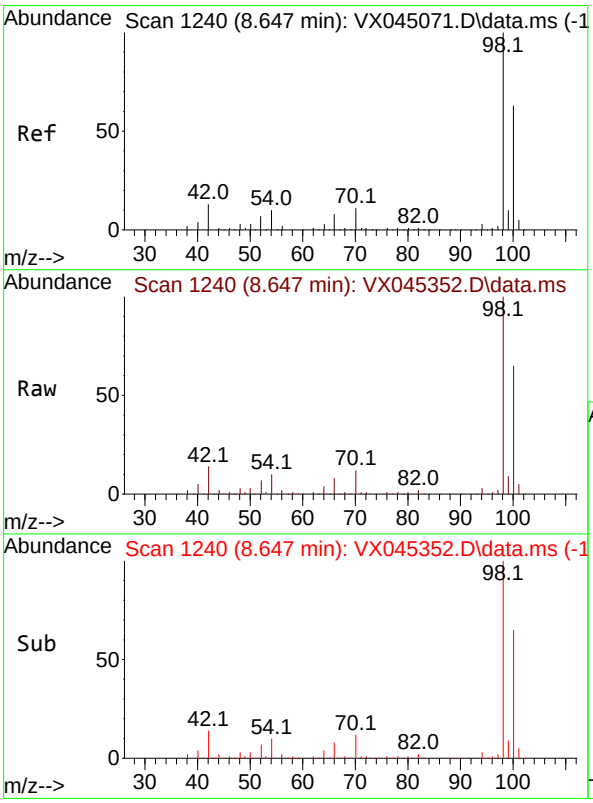
#44
Trichloroethene
Concen: 50.517 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion:130 Resp: 45737

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.0

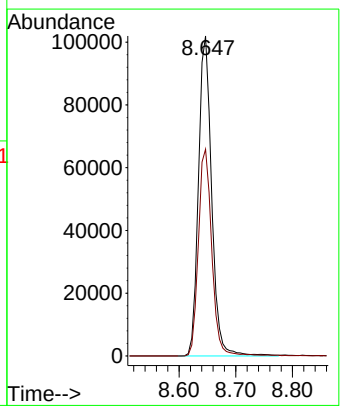


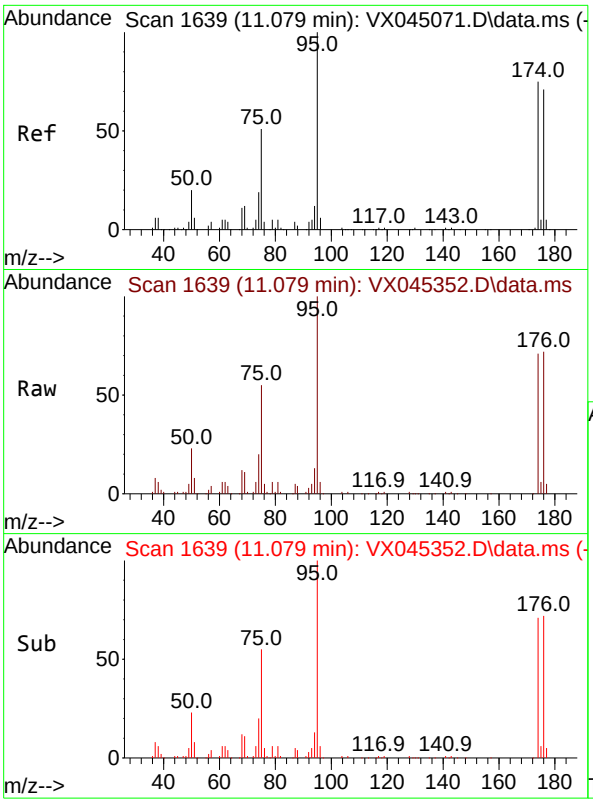


#50
Toluene-d8
Concen: 50.978 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 98 Resp: 164552

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0



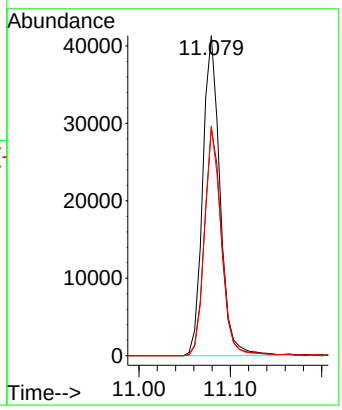


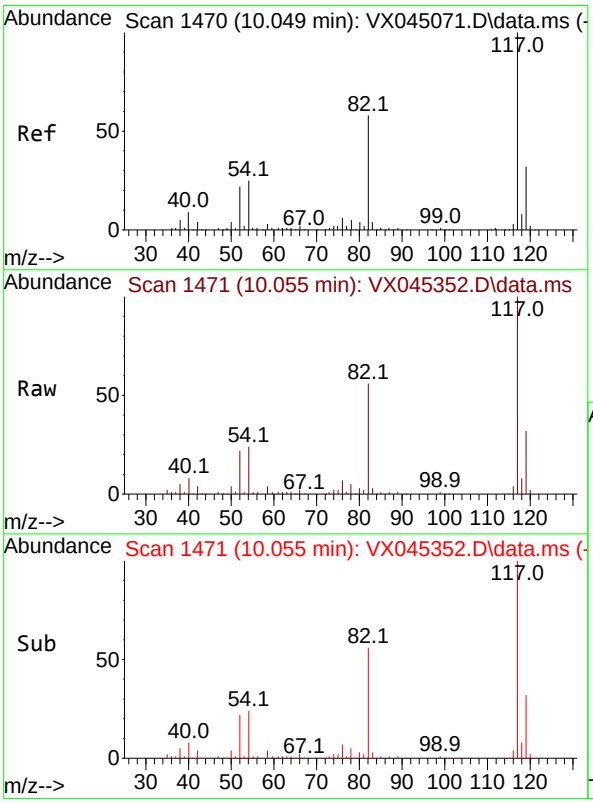
#62
4-Bromofluorobenzene
Concen: 50.667 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion: 95 Resp: 54195

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	148.2
176	69.8	0.0	141.4

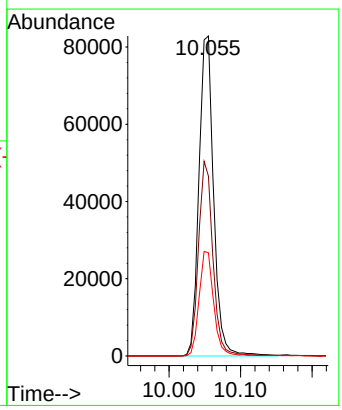


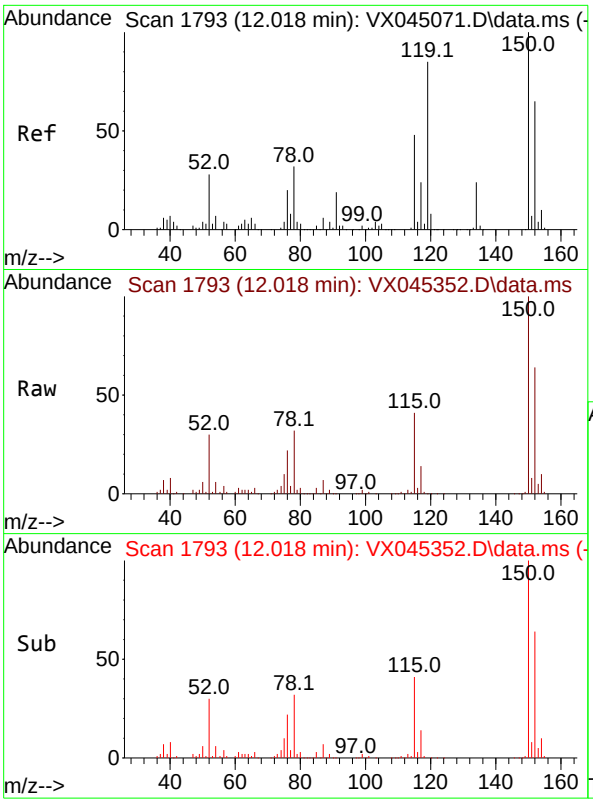


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion:117 Resp: 118349

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.3	69.5
119	32.3	25.7	38.5



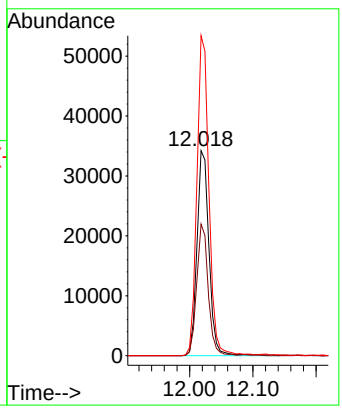


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

Tgt Ion:152 Resp: 45287

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.2	132.6
150	156.2	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01D-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045274.D	1		03/13/25 17:06	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	2.40	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01D-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045274.D	1		03/13/25 17:06	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64200	5.544				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47100	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01D-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045274.D	1		03/13/25 17:06	VX031325

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\VX031325\
Data File : VX045274.D
Acq On : 13 Mar 2025 17:06
Operator : JC/MD
Sample : Q1559-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Quant Time: Mar 14 12:29:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

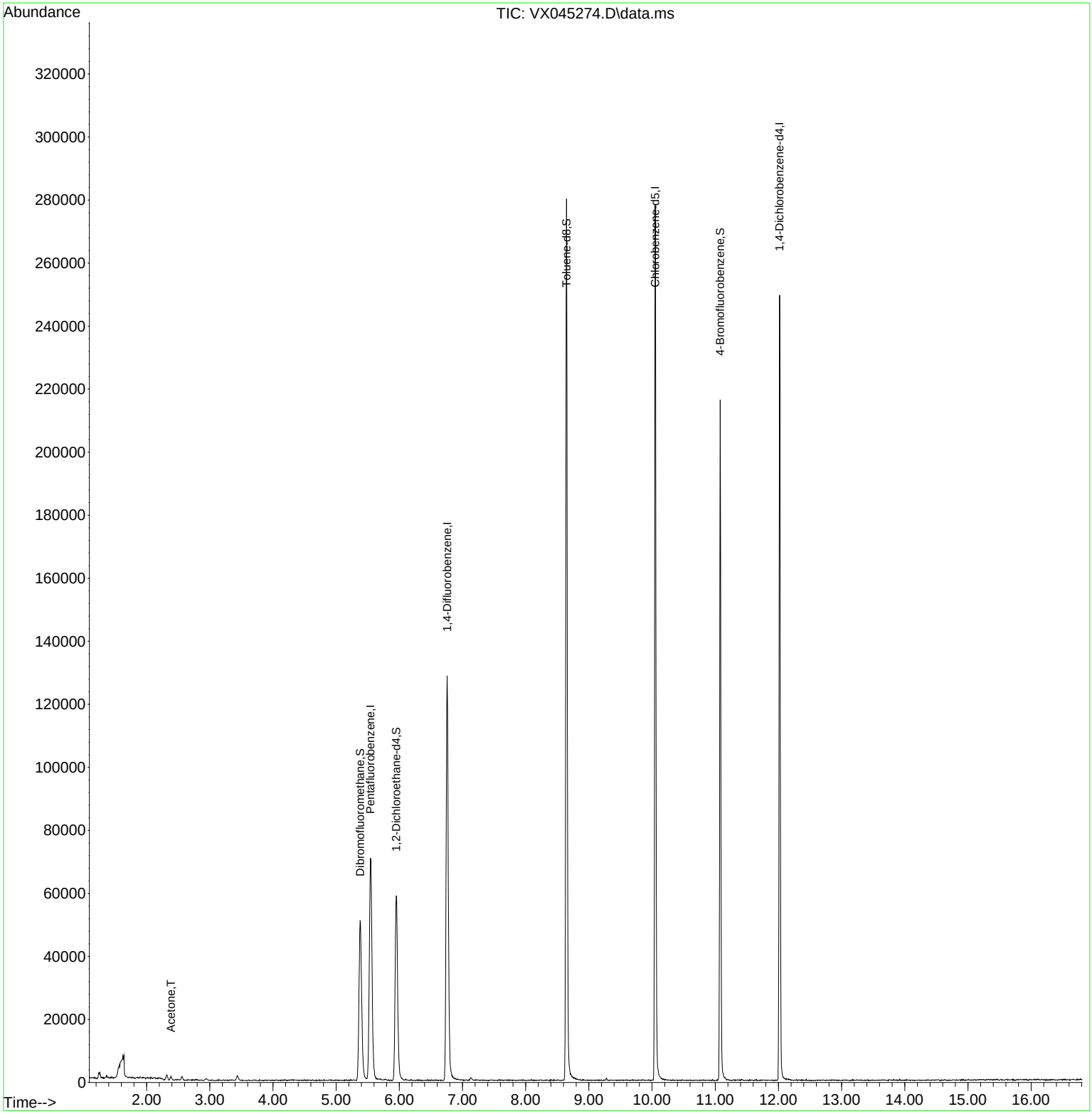
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56647	55.454	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.900%			
35) Dibromofluoromethane	5.379	113	44162	52.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	8.647	98	160903	52.720	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.440%			
62) 4-Bromofluorobenzene	11.079	95	54947	54.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.660%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1129	2.382	ug/l	94

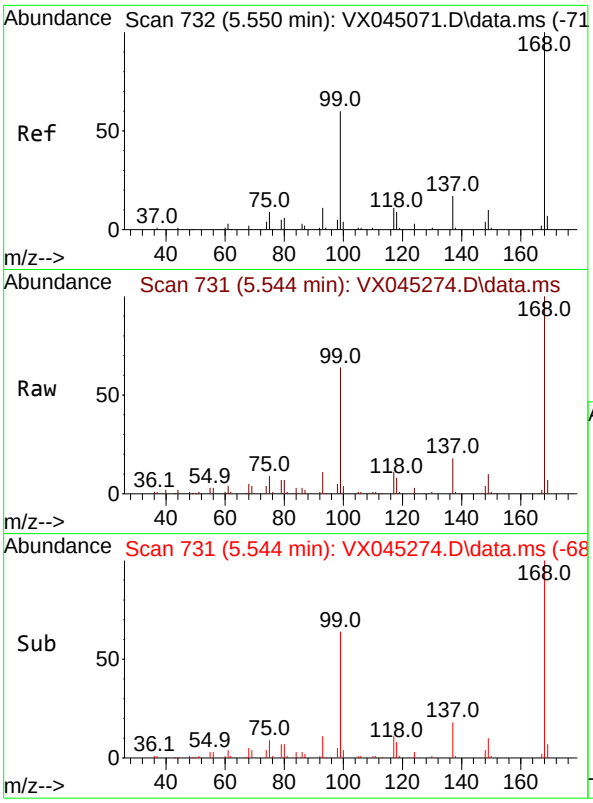
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045274.D
Acq On : 13 Mar 2025 17:06
Operator : JC/MD
Sample : Q1559-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Quant Time: Mar 14 12:29:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



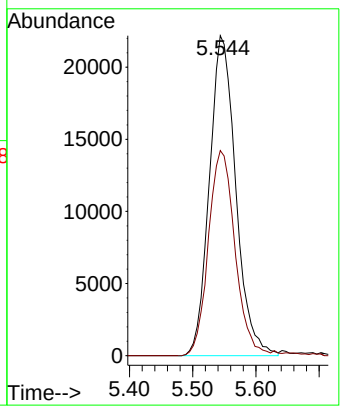


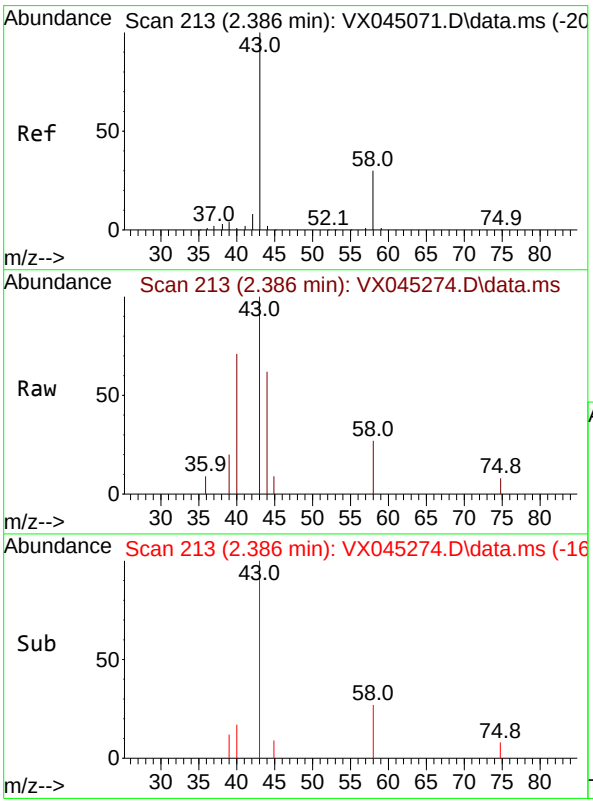
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Tgt Ion:168 Resp: 64220

Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.2	72.4

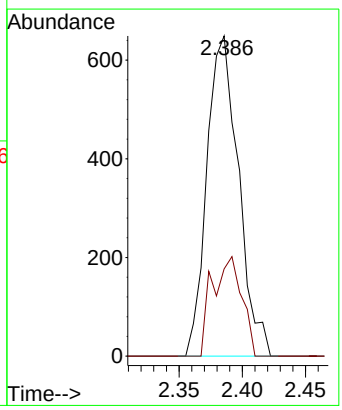


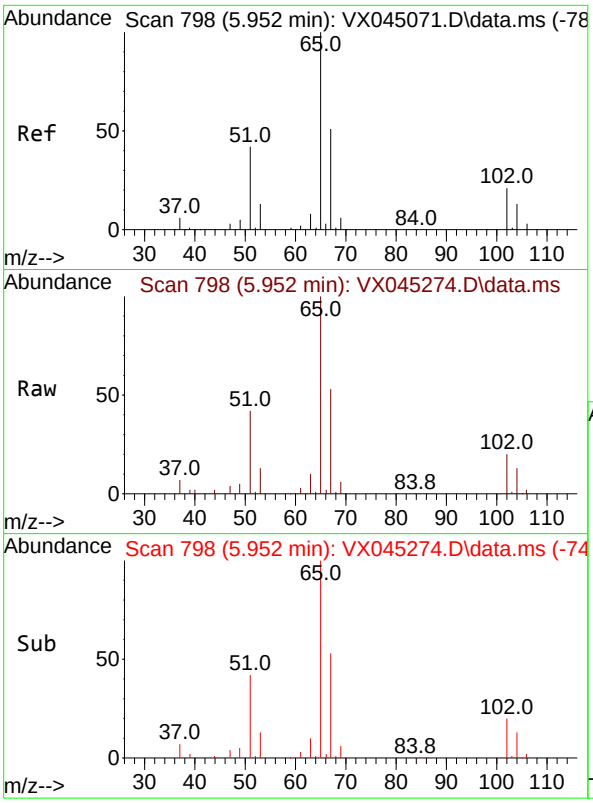


#16
Acetone
Concen: 2.382 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Tgt Ion: 43 Resp: 1129

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.2	36.4



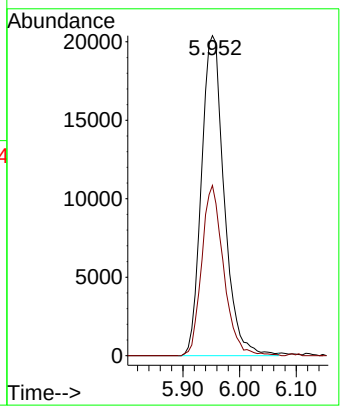


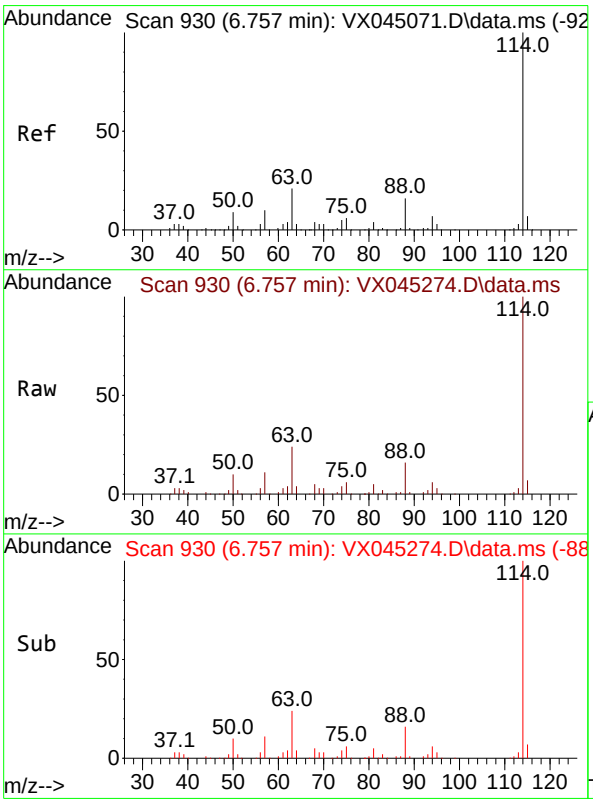
#33
1,2-Dichloroethane-d4
Concen: 55.454 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Tgt Ion: 65 Resp: 56647

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

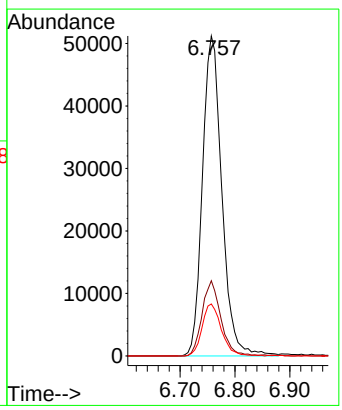


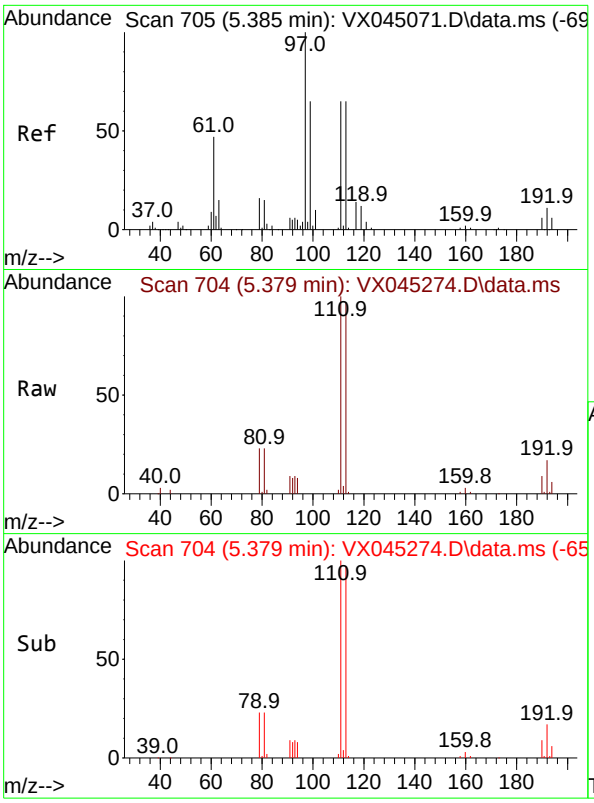


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Tgt Ion:114 Resp: 125900

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	16.3	0.0	32.8



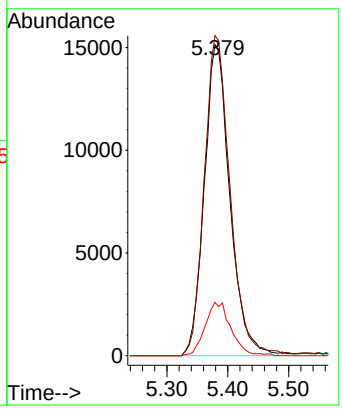


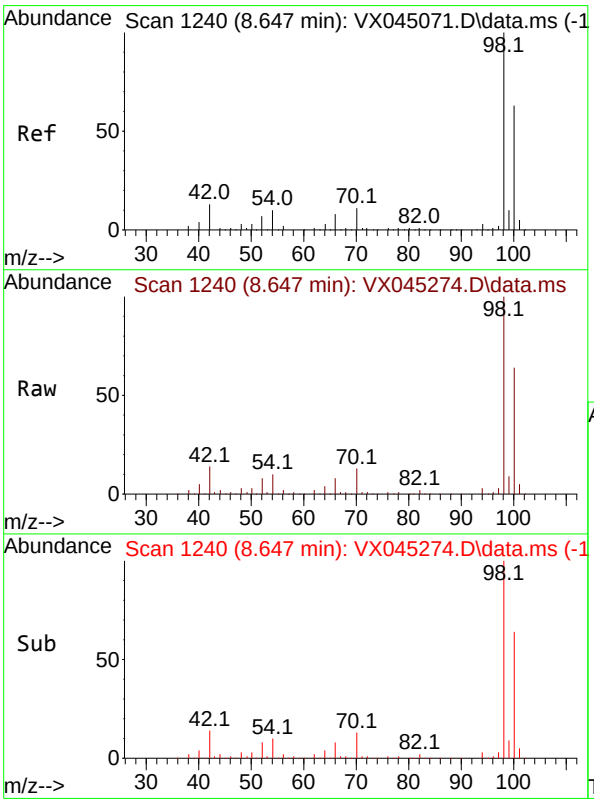
#35
Dibromofluoromethane
Concen: 52.458 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Tgt Ion:113 Resp: 44162

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.4	14.3	21.5

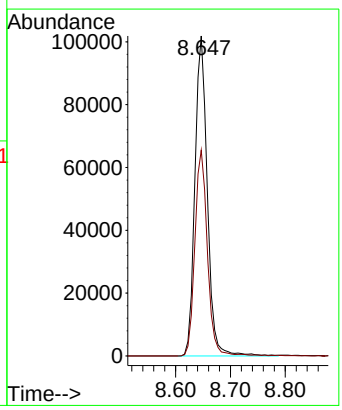


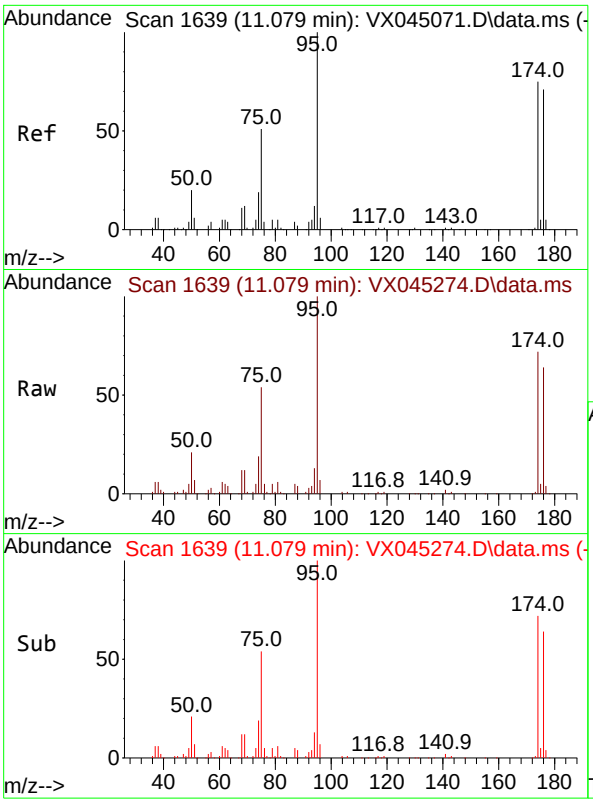


#50
Toluene-d8
Concen: 52.720 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Tgt Ion: 98 Resp: 160903

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



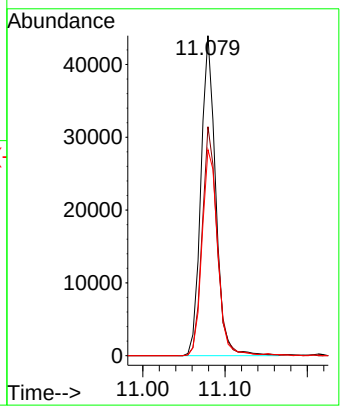


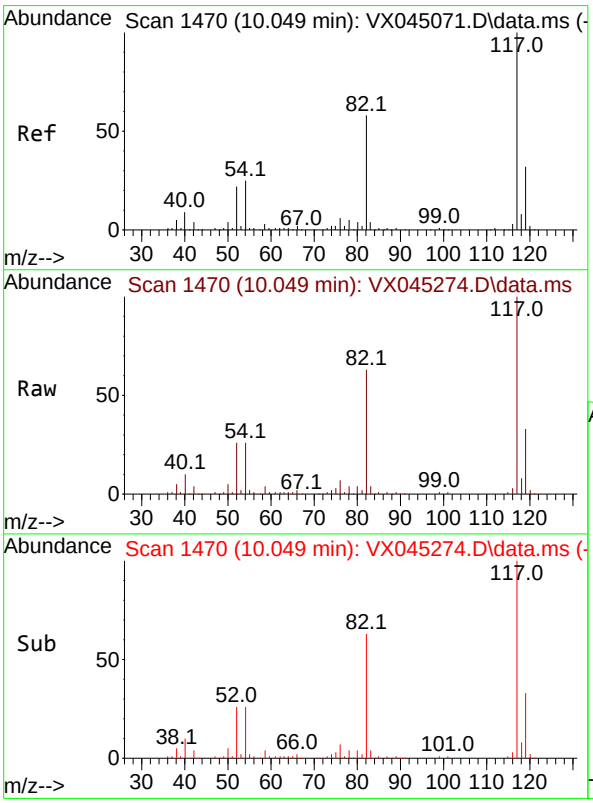
#62
4-Bromofluorobenzene
Concen: 54.330 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Tgt Ion: 95 Resp: 54947

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	148.2
176	68.1	0.0	141.4

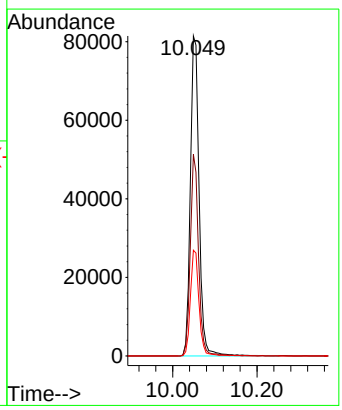


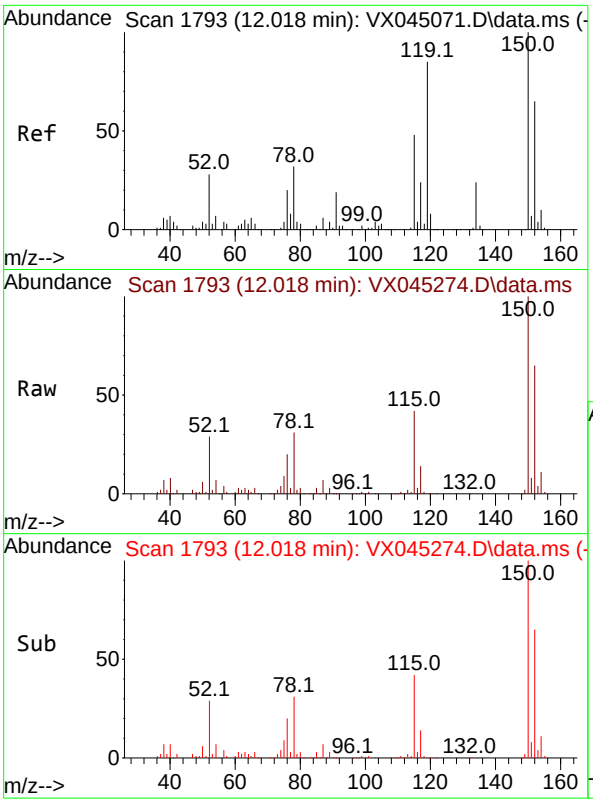


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Tgt Ion:117 Resp: 116990

Ion	Ratio	Lower	Upper
117	100		
82	63.0	46.3	69.5
119	33.0	25.7	38.5



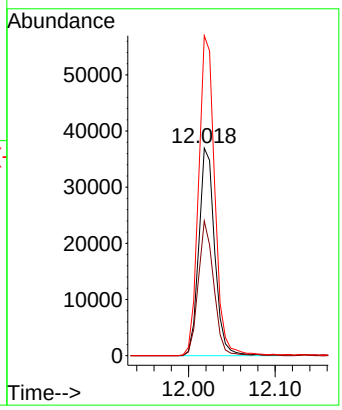


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045274.D
Acq: 13 Mar 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250311

Tgt Ion:152 Resp: 47072

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	157.0	0.0	349.0



Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045275.D	1		03/13/25 17:29	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	2.90	J	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	1.10		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	0.84	J	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	0.95	J	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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045275.D	1		03/13/25 17:29	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	5.80		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68200	5.544				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52200	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045275.D	1		03/13/25 17:29	VX031325

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\VX031325\
Data File : VX045275.D
Acq On : 13 Mar 2025 17:29
Operator : JC/MD
Sample : Q1559-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Quant Time: Mar 14 12:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

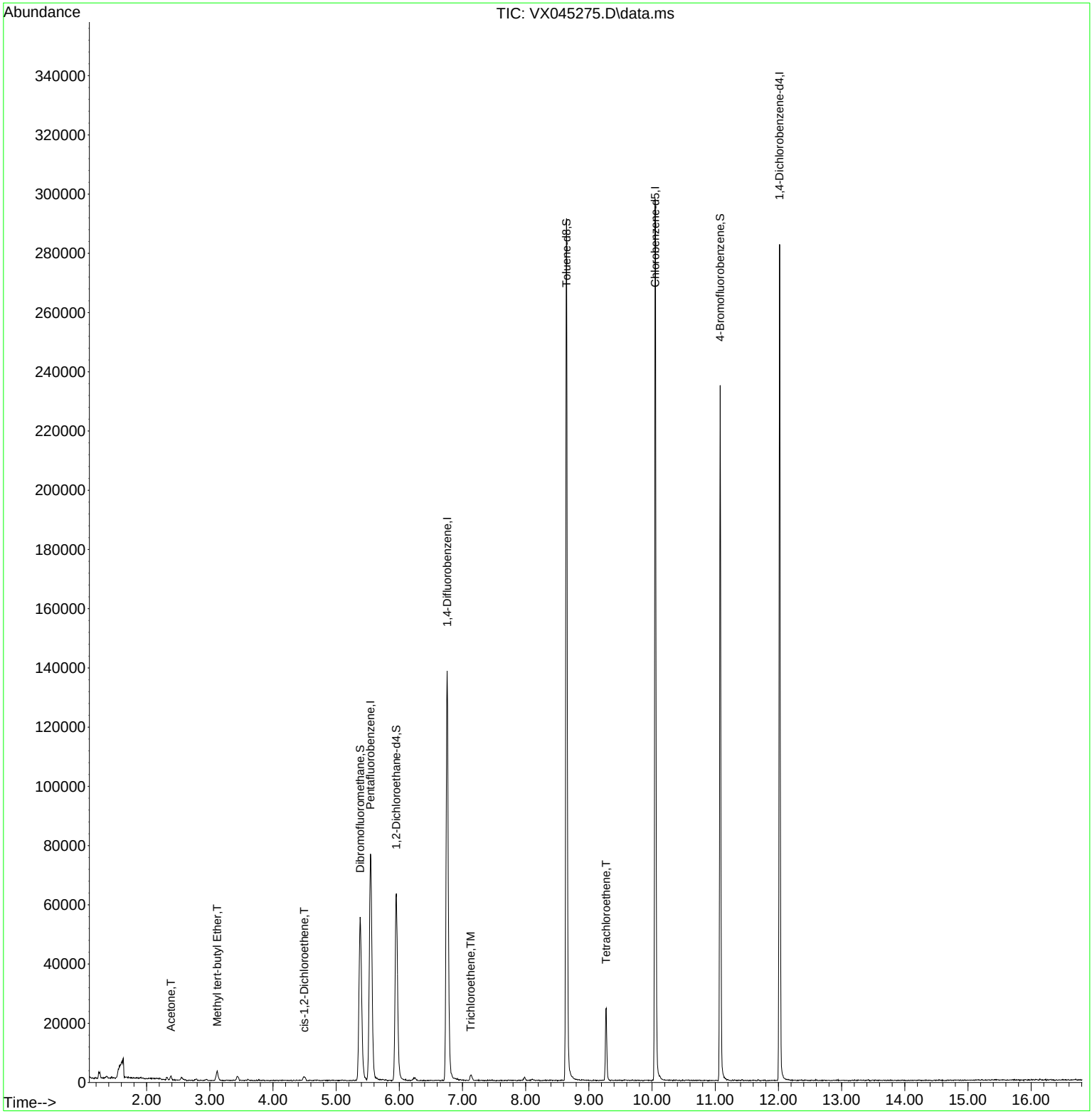
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60861	56.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.200%			
35) Dibromofluoromethane	5.379	113	47581	52.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	8.647	98	171109	51.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	11.079	95	59369	54.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.180%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1464	2.908	ug/l	89
19) Methyl tert-butyl Ether	3.117	73	3170	1.127	ug/l	91
27) cis-1,2-Dichloroethene	4.495	96	858	0.839	ug/l	87
44) Trichloroethene	7.129	130	882	0.949	ug/l	71
64) Tetrachloroethene	9.275	164	4731	5.773	ug/l	84

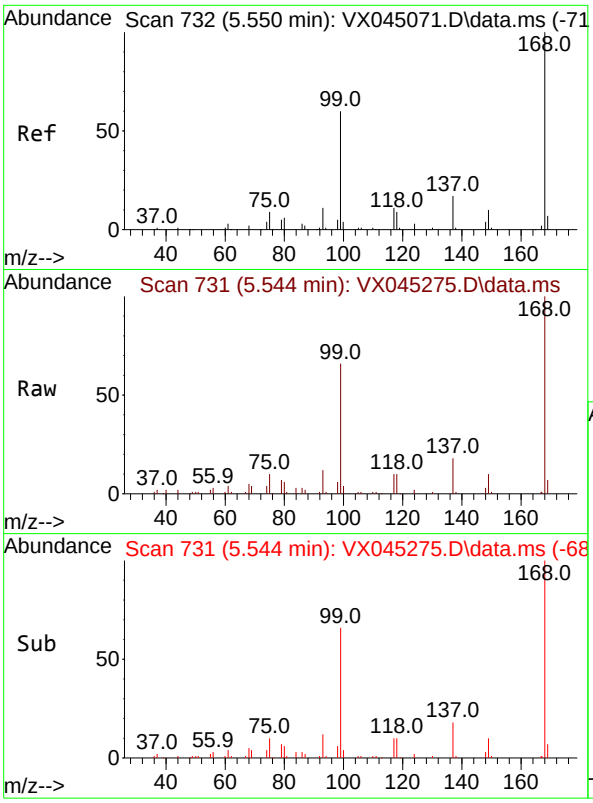
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045275.D
Acq On : 13 Mar 2025 17:29
Operator : JC/MD
Sample : Q1559-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Quant Time: Mar 14 12:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



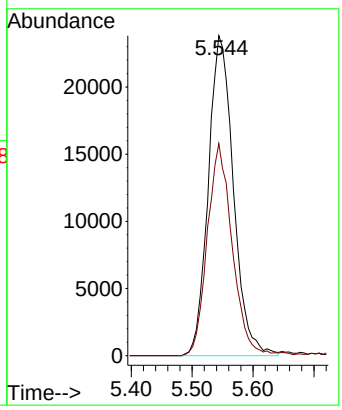


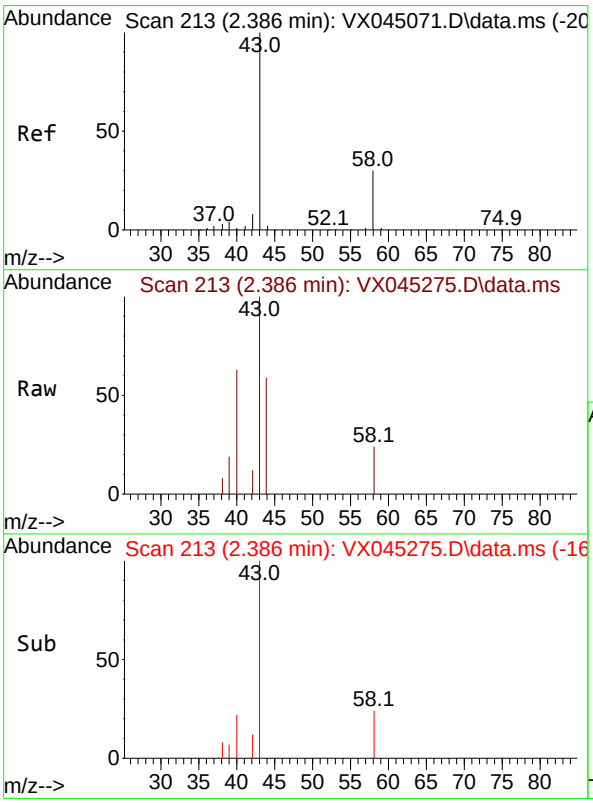
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion:168 Resp: 68205

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.2	72.4

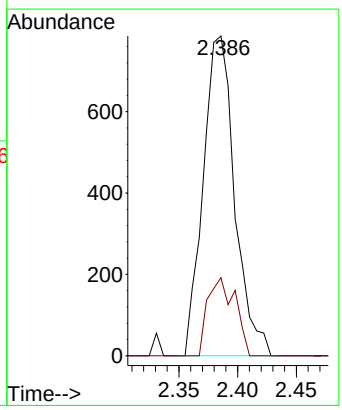


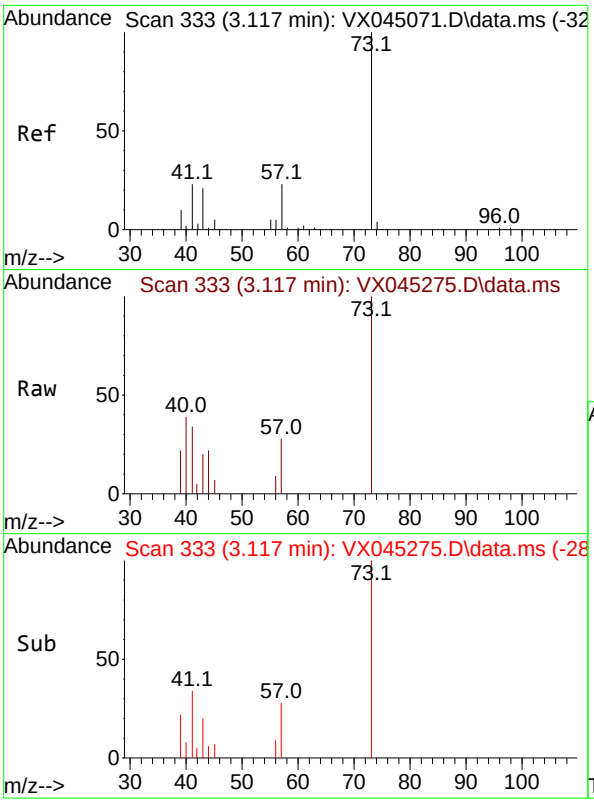


#16
Acetone
Concen: 2.908 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 43 Resp: 1464

Ion	Ratio	Lower	Upper
43	100		
58	24.4	24.2	36.4



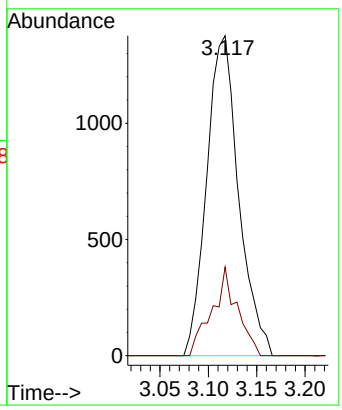


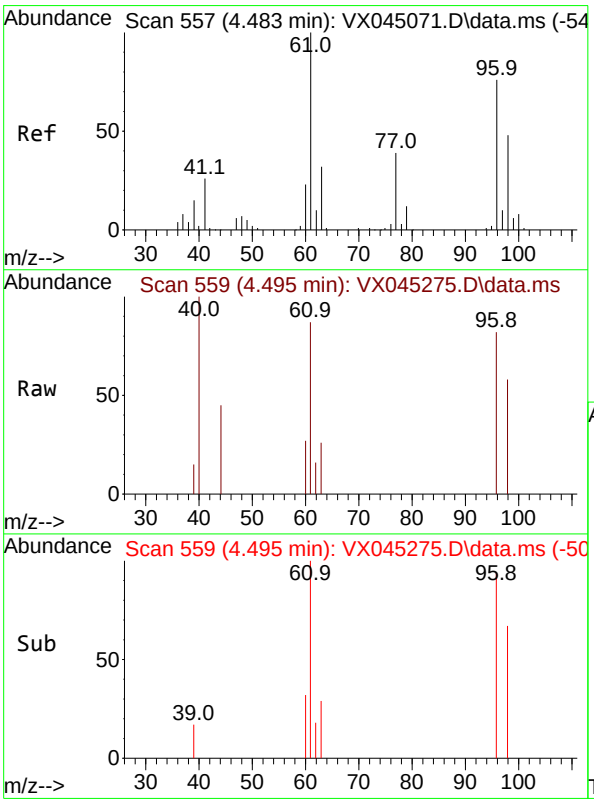
#19
Methyl tert-butyl Ether
Concen: 1.127 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion: 73 Resp: 3170

Ion	Ratio	Lower	Upper
73	100		
57	27.7	18.5	27.7

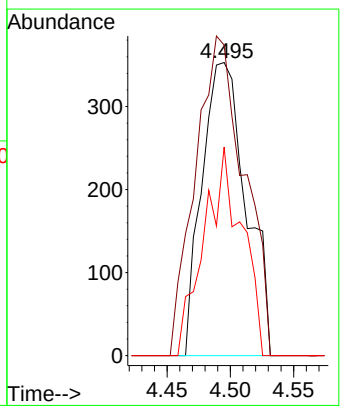


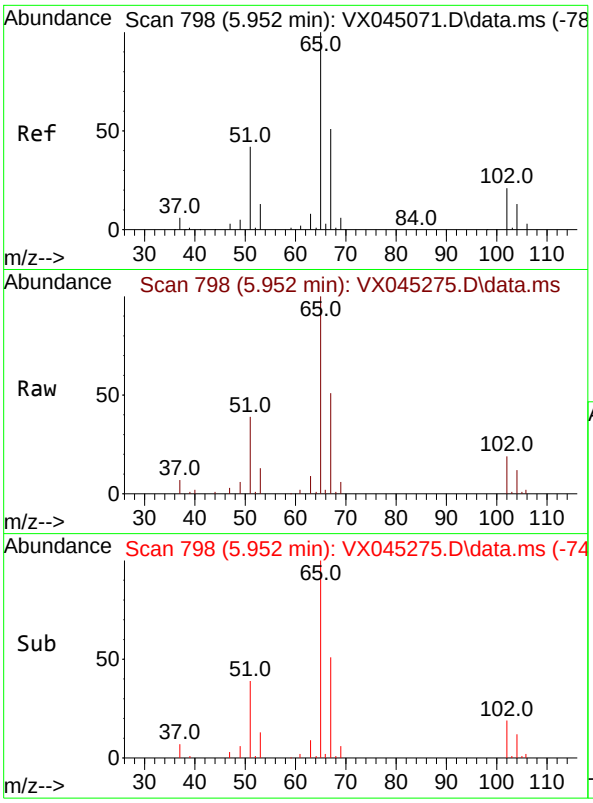


#27
cis-1,2-Dichloroethene
Concen: 0.839 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 96 Resp: 858

Ion	Ratio	Lower	Upper
96	100		
61	120.7	0.0	283.2
98	60.8	0.0	128.0



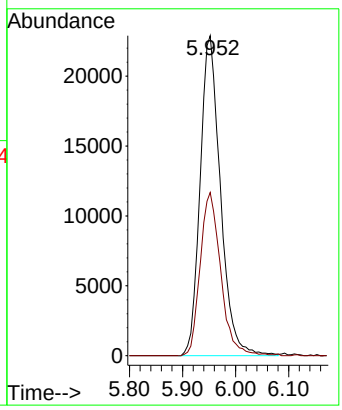


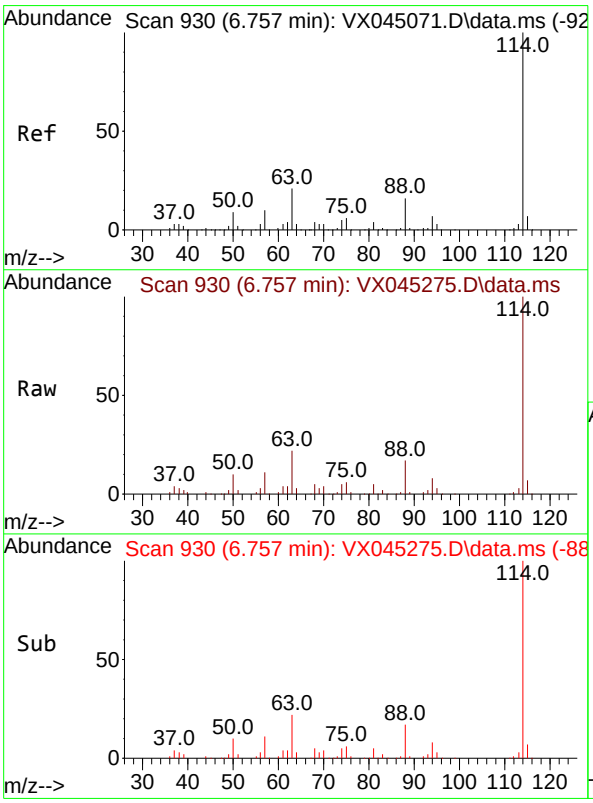
#33
1,2-Dichloroethane-d4
Concen: 56.098 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion: 65 Resp: 60861

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2

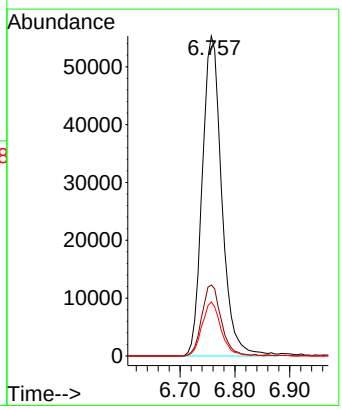


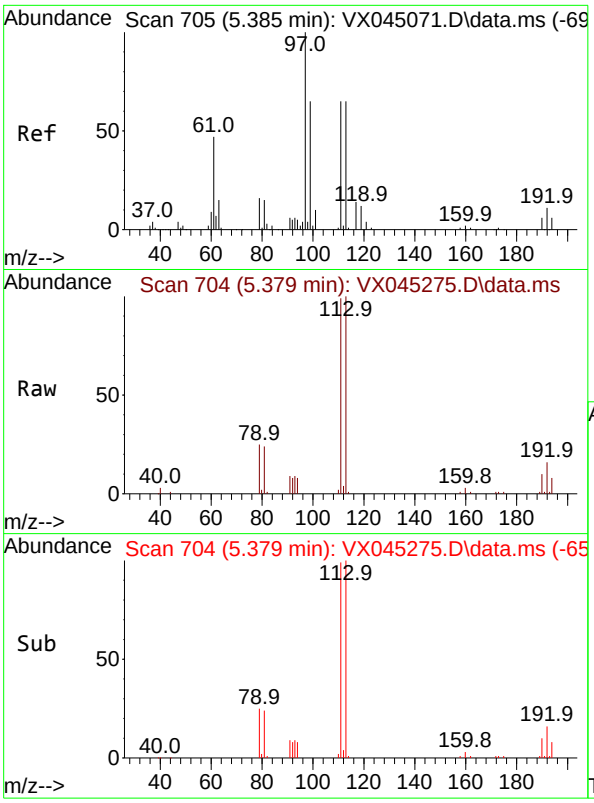


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion:114 Resp: 136636

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.9	0.0	32.8



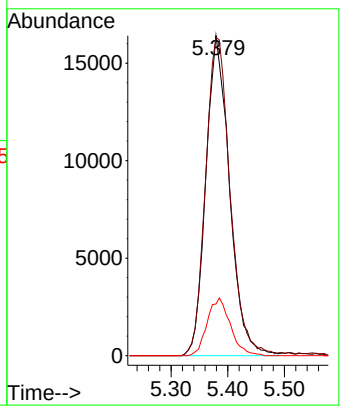


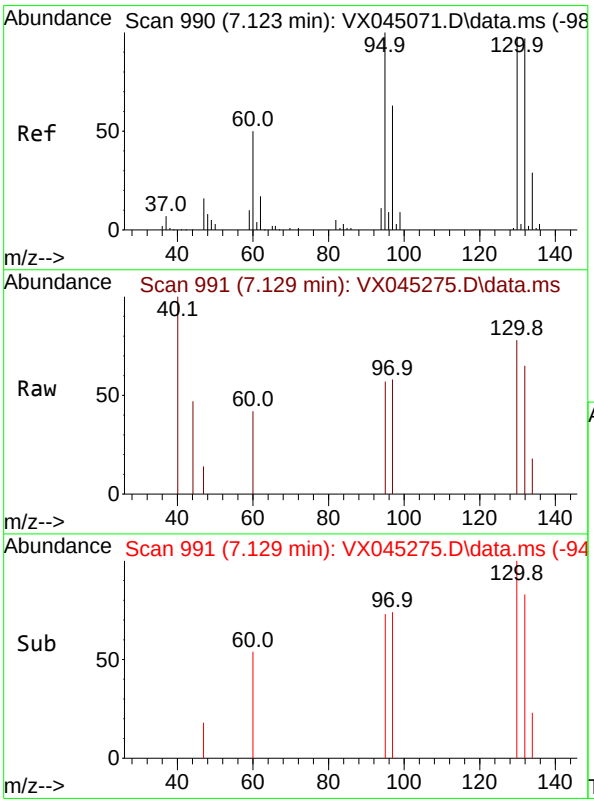
#35
Dibromofluoromethane
Concen: 52.078 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion:113 Resp: 47581

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.6	14.3	21.5

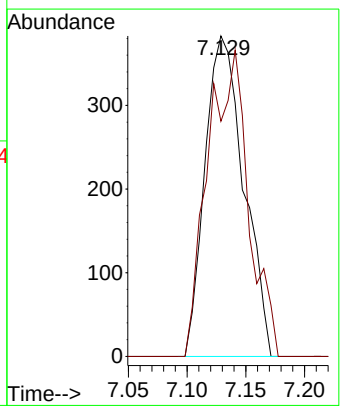


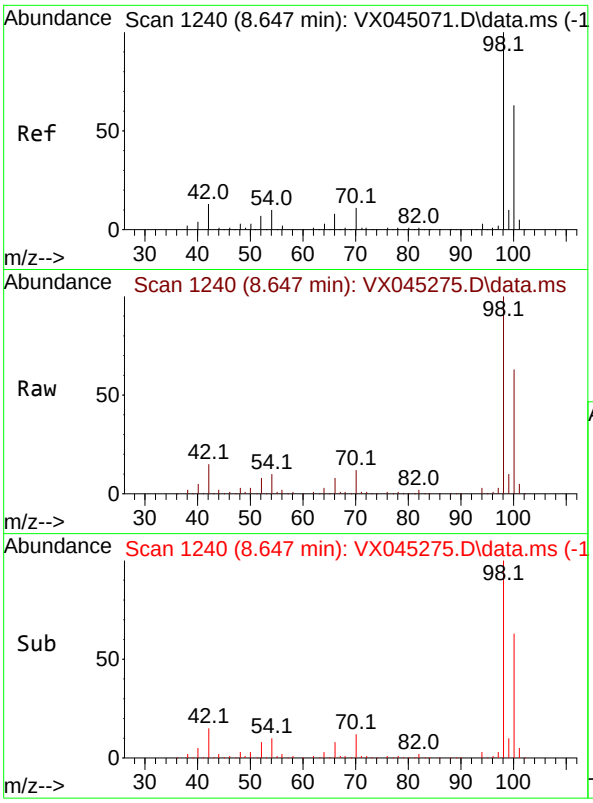


#44
Trichloroethene
Concen: 0.949 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion:130 Resp: 882

Ion	Ratio	Lower	Upper
130	100		
95	73.4	0.0	205.0



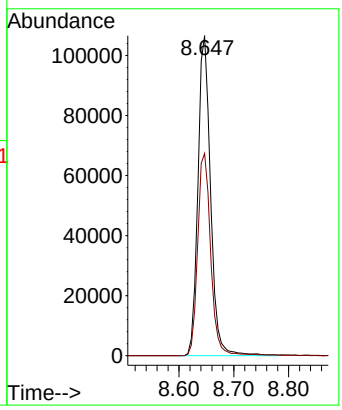


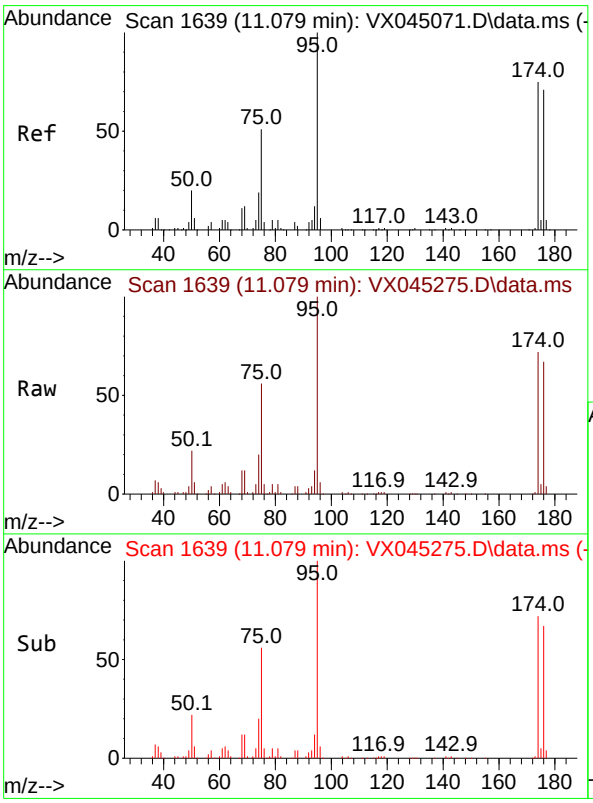
#50
Toluene-d8
Concen: 51.659 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion: 98 Resp: 171109

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

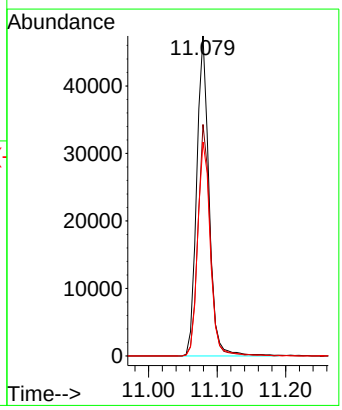


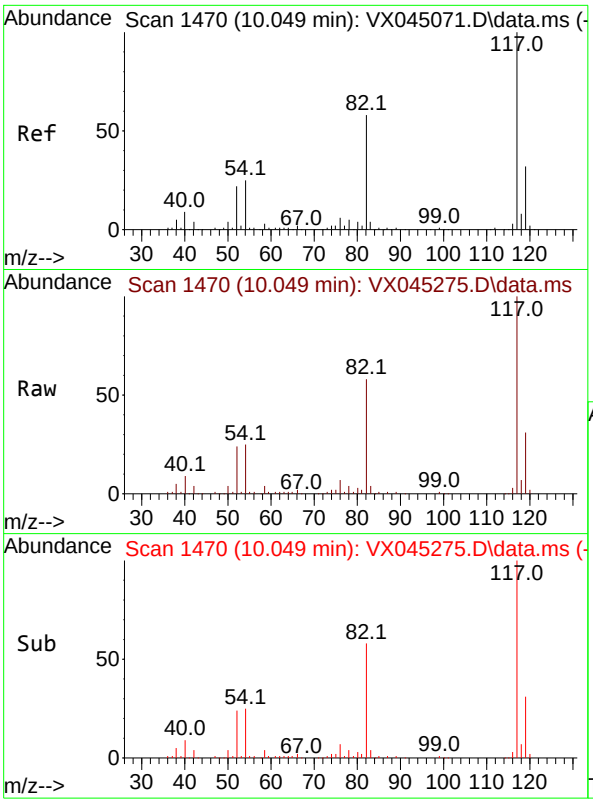


#62
4-Bromofluorobenzene
Concen: 54.090 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 95 Resp: 59369

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	68.9	0.0	141.4



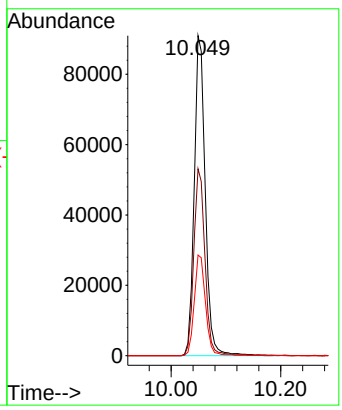


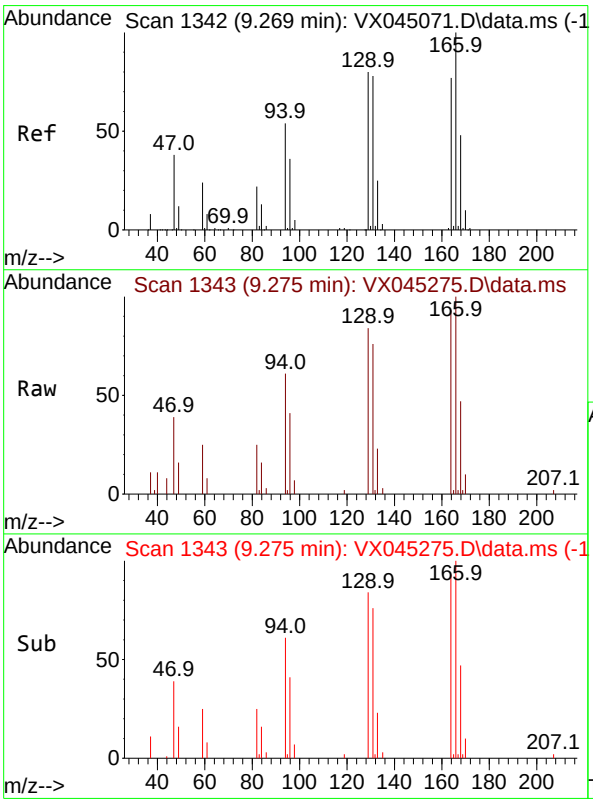
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion:117 Resp: 127965

Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.3	69.5
119	31.4	25.7	38.5

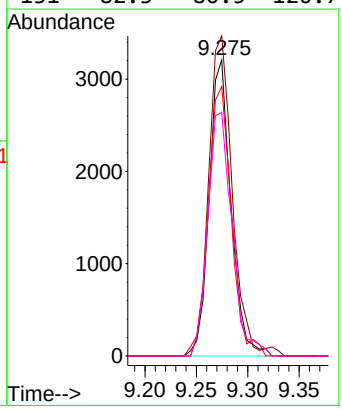


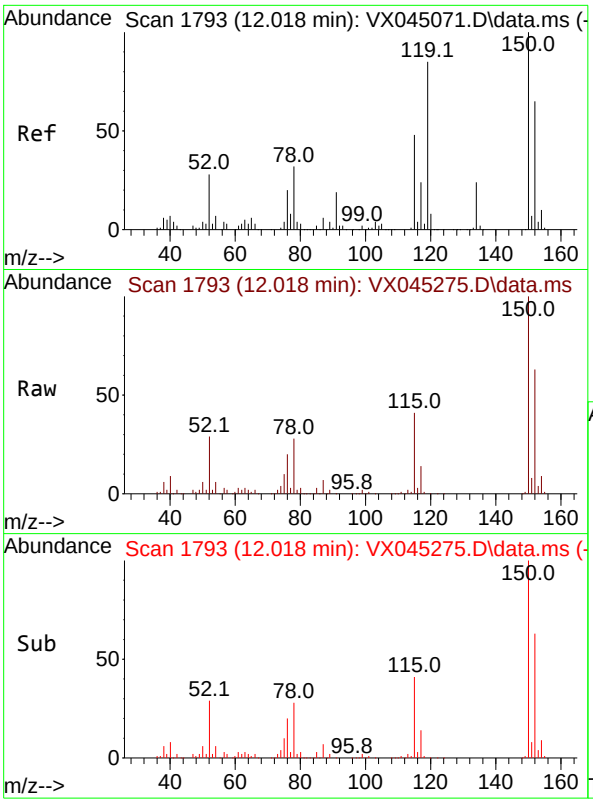


#64
Tetrachloroethene
Concen: 5.773 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion:164 Resp: 4731

Ion	Ratio	Lower	Upper
164	100		
166	108.1	103.6	155.4
129	91.0	82.7	124.1
131	82.3	80.5	120.7



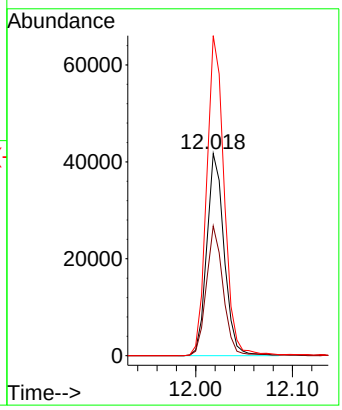


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20250311

Tgt Ion:152 Resp: 52163

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	159.3	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158S1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045276.D	1		03/13/25 17:52	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	1.70	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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	1.50		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158S1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045276.D	1		03/13/25 17:52	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70000	5.544				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158S1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045276.D	1		03/13/25 17:52	VX031325

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\VX031325\
Data File : VX045276.D
Acq On : 13 Mar 2025 17:52
Operator : JC/MD
Sample : Q1559-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Quant Time: Mar 14 12:29:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

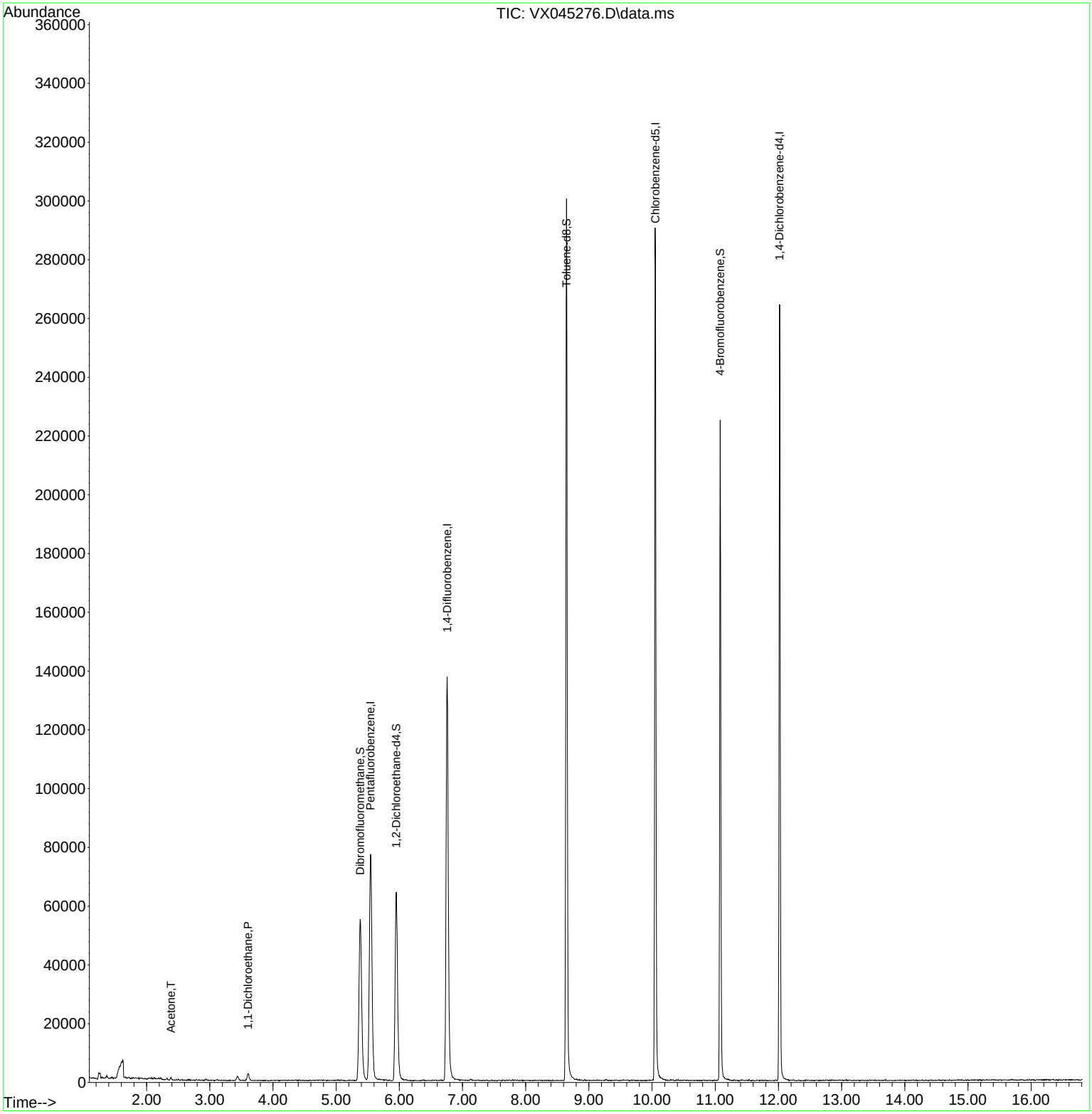
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	70011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60857	54.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	5.379	113	48070	52.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	8.647	98	171285	51.850	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	11.079	95	57293	52.338	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.680%			
Target Compounds						Qvalue
16) Acetone	2.386	43	876	1.695	ug/l	95
24) 1,1-Dichloroethane	3.605	63	2660	1.524	ug/l	97

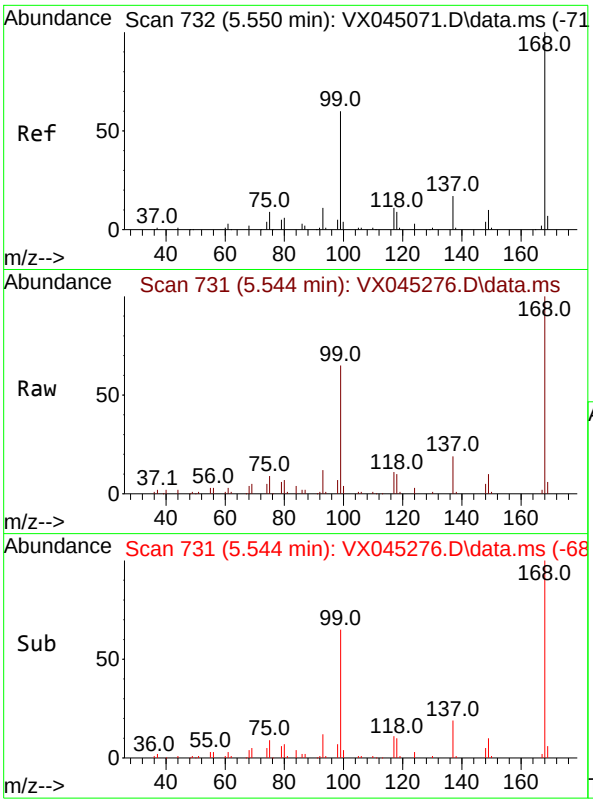
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045276.D
Acq On : 13 Mar 2025 17:52
Operator : JC/MD
Sample : Q1559-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Quant Time: Mar 14 12:29:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



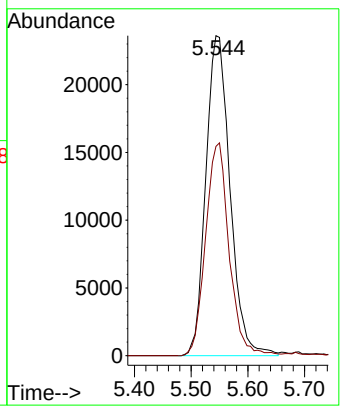


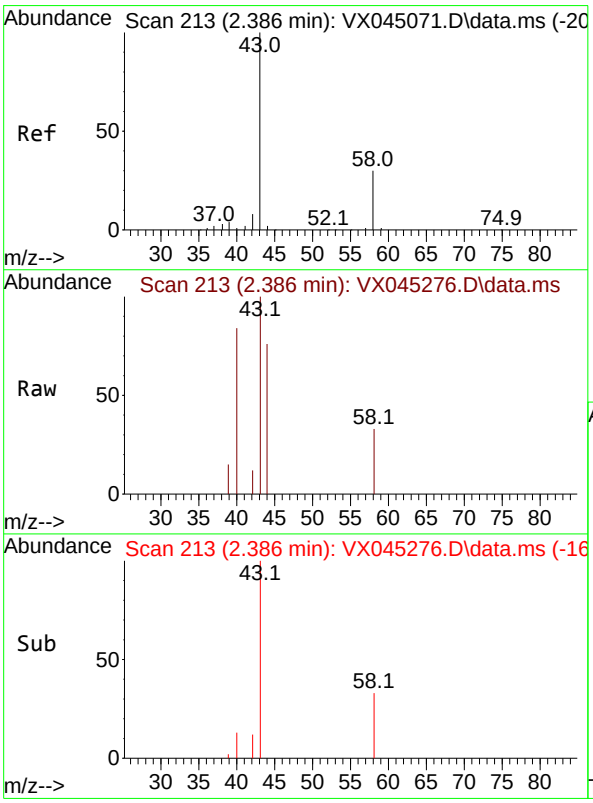
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Tgt Ion:168 Resp: 70011

Ion	Ratio	Lower	Upper
168	100		
99	65.4	48.2	72.4

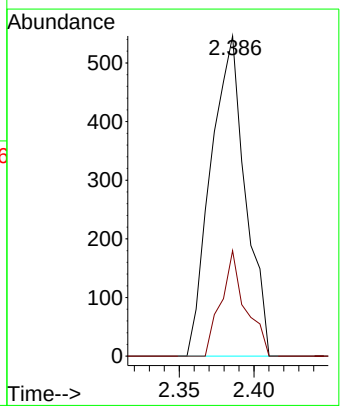


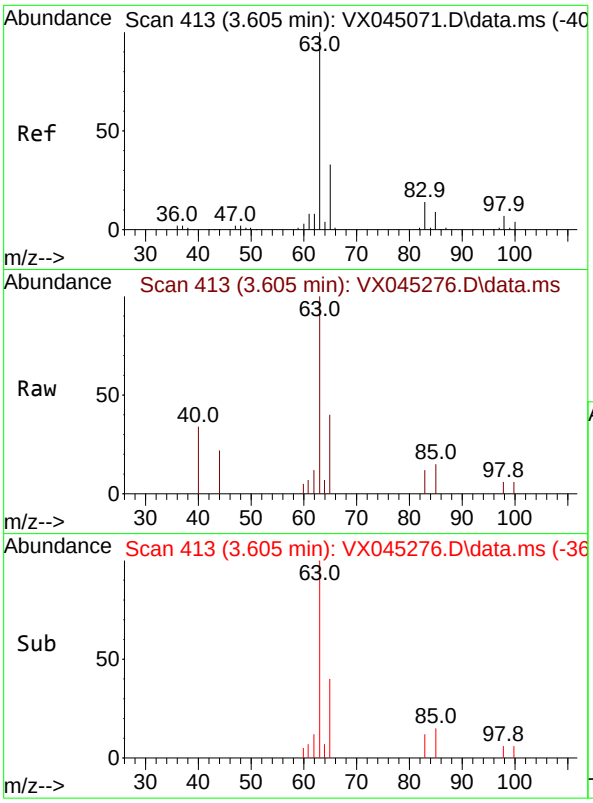


#16
Acetone
Concen: 1.695 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Tgt Ion: 43 Resp: 876

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.2	36.4



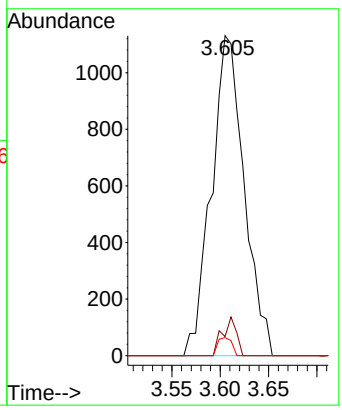


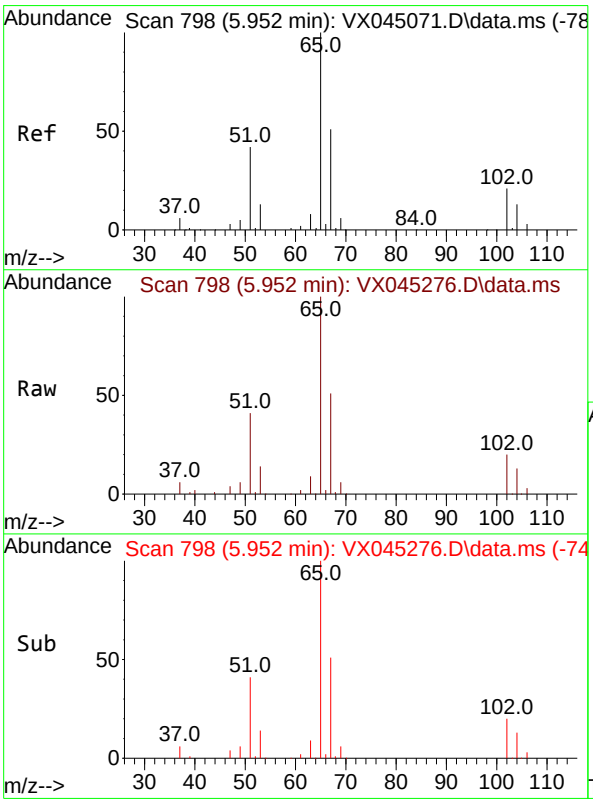
#24
1,1-Dichloroethane
Concen: 1.524 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Tgt Ion: 63 Resp: 2660

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.4	10.2
100	5.7	2.1	6.5

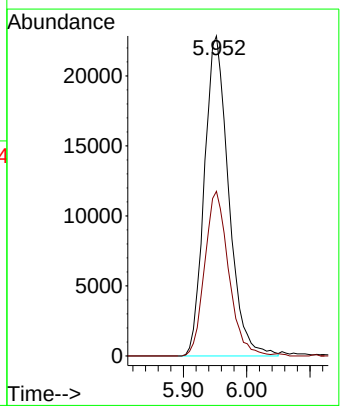


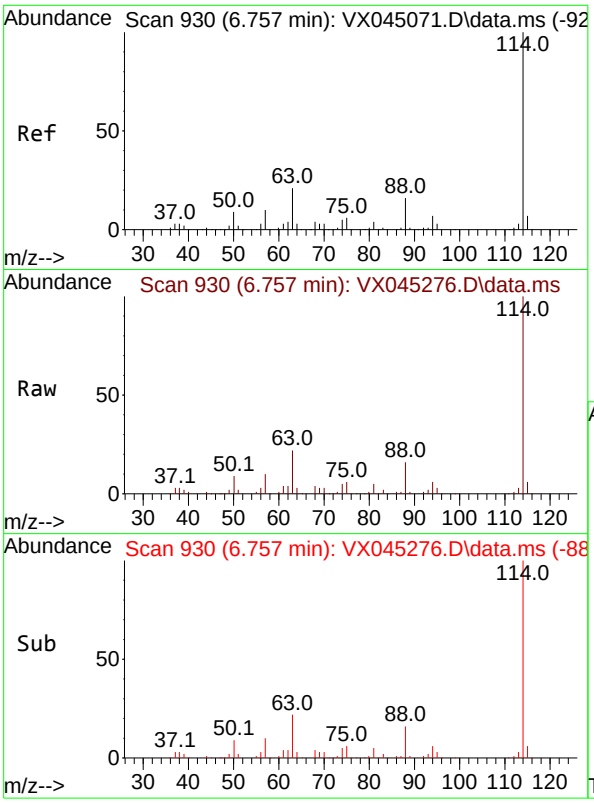


#33
1,2-Dichloroethane-d4
Concen: 54.648 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Tgt Ion: 65 Resp: 60857

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



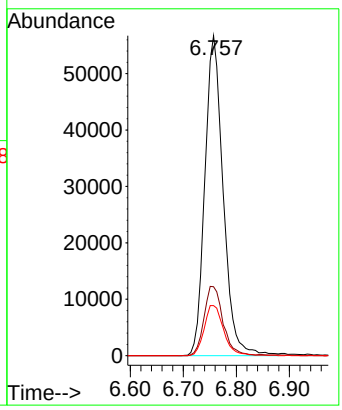


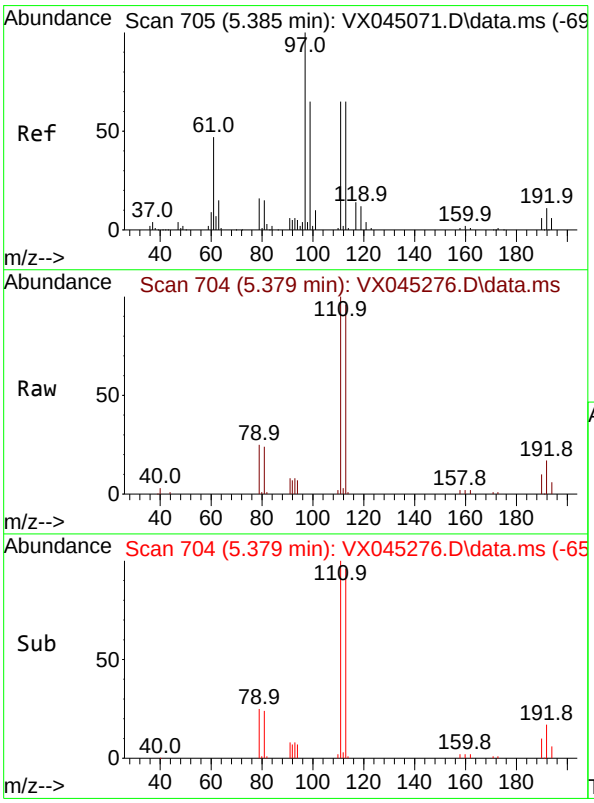
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Tgt Ion:114 Resp: 136273

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	15.6	0.0	32.8

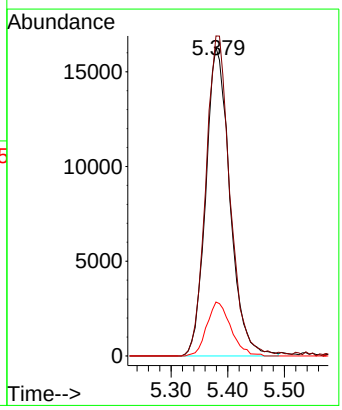


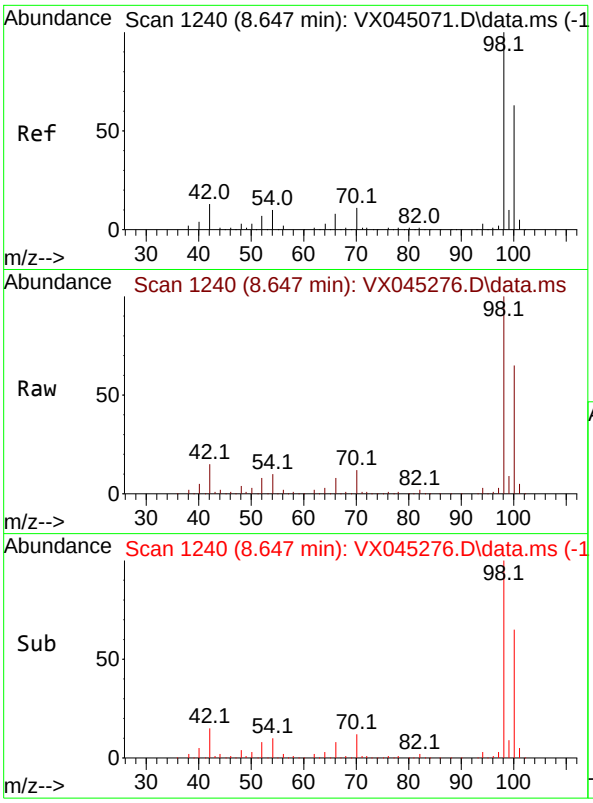


#35
Dibromofluoromethane
Concen: 52.753 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Tgt Ion:113 Resp: 48070

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	17.4	14.3	21.5



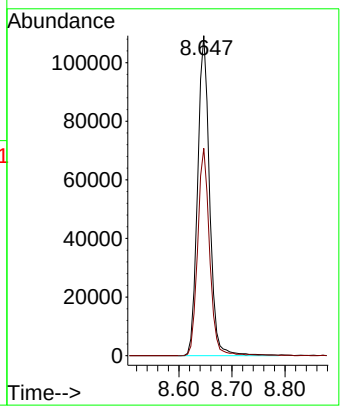


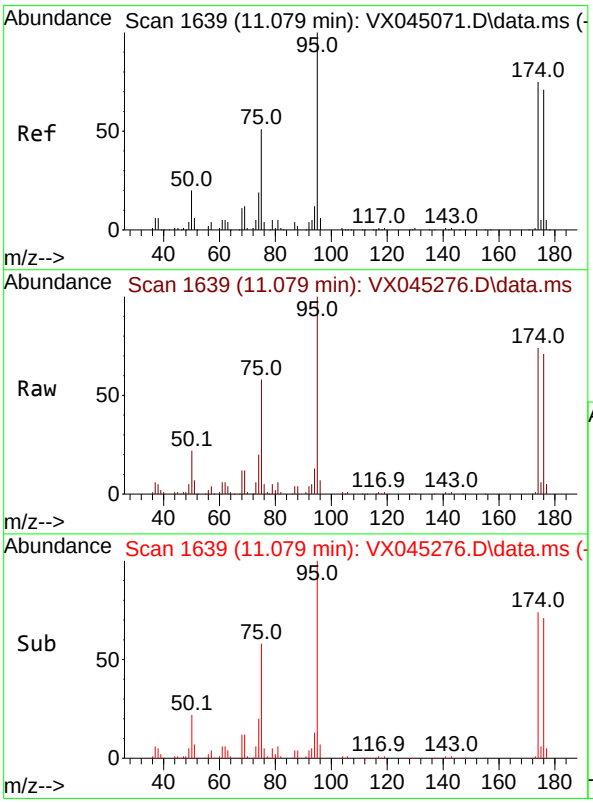
#50
Toluene-d8
Concen: 51.850 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Tgt Ion: 98 Resp: 171285

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

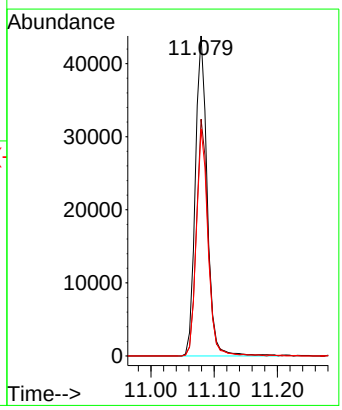


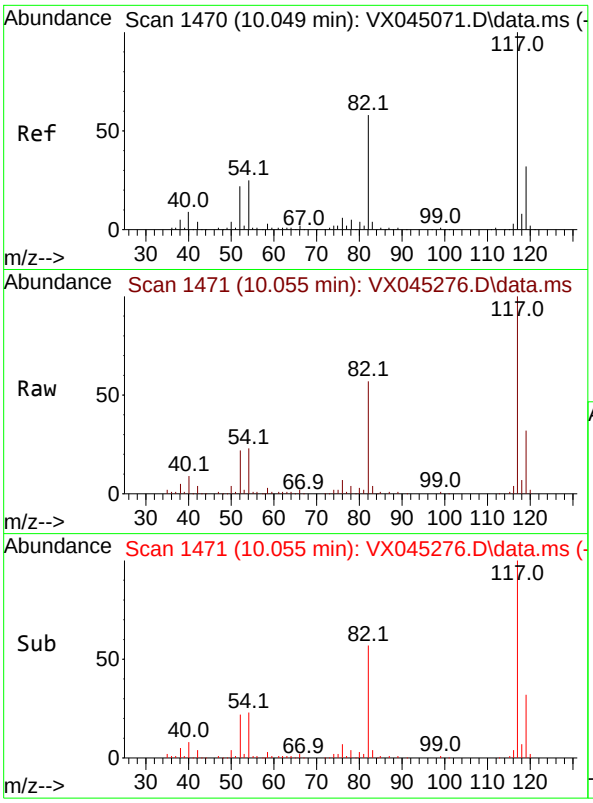


#62
4-Bromofluorobenzene
Concen: 52.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Tgt Ion: 95 Resp: 57293

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	148.2
176	69.5	0.0	141.4



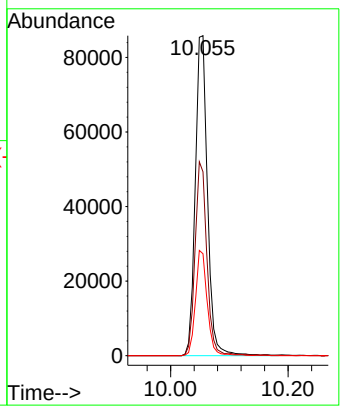


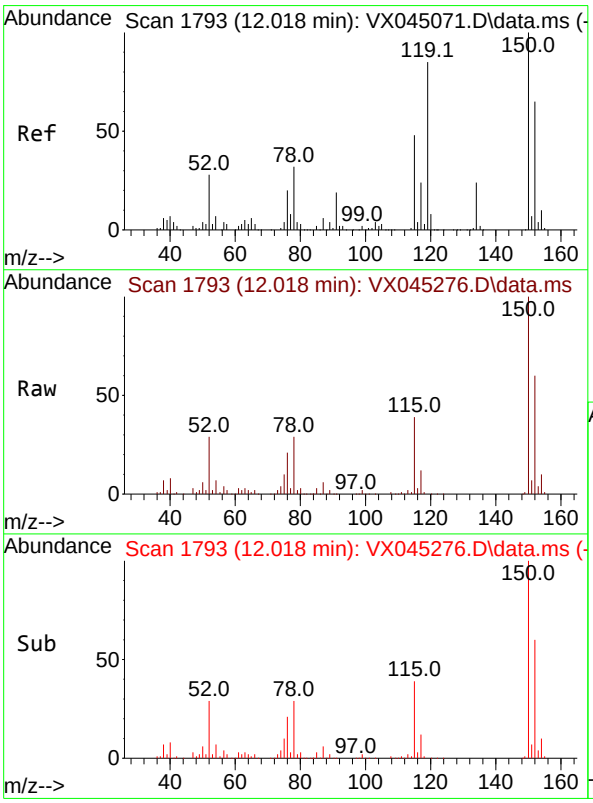
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20250311

Tgt Ion:117 Resp: 123646

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	31.9	25.7	38.5

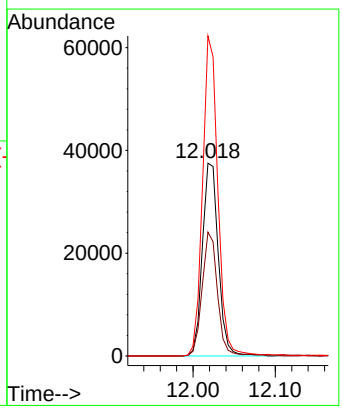




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045276.D
Acq: 13 Mar 2025 17:52

Tgt Ion:152 Resp: 50668

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.2	132.6
150	159.1	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158I1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-13	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
VX045277.D	1		03/13/25 18:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	2.20	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.28	J	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158I1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-13	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
VX045277.D	1		03/13/25 18:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67100	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51300	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TT158I1-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-13	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
VX045277.D	1		03/13/25 18:15	VX031325

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\VX031325\
Data File : VX045277.D
Acq On : 13 Mar 2025 18:15
Operator : JC/MD
Sample : Q1559-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Quant Time: Mar 14 12:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

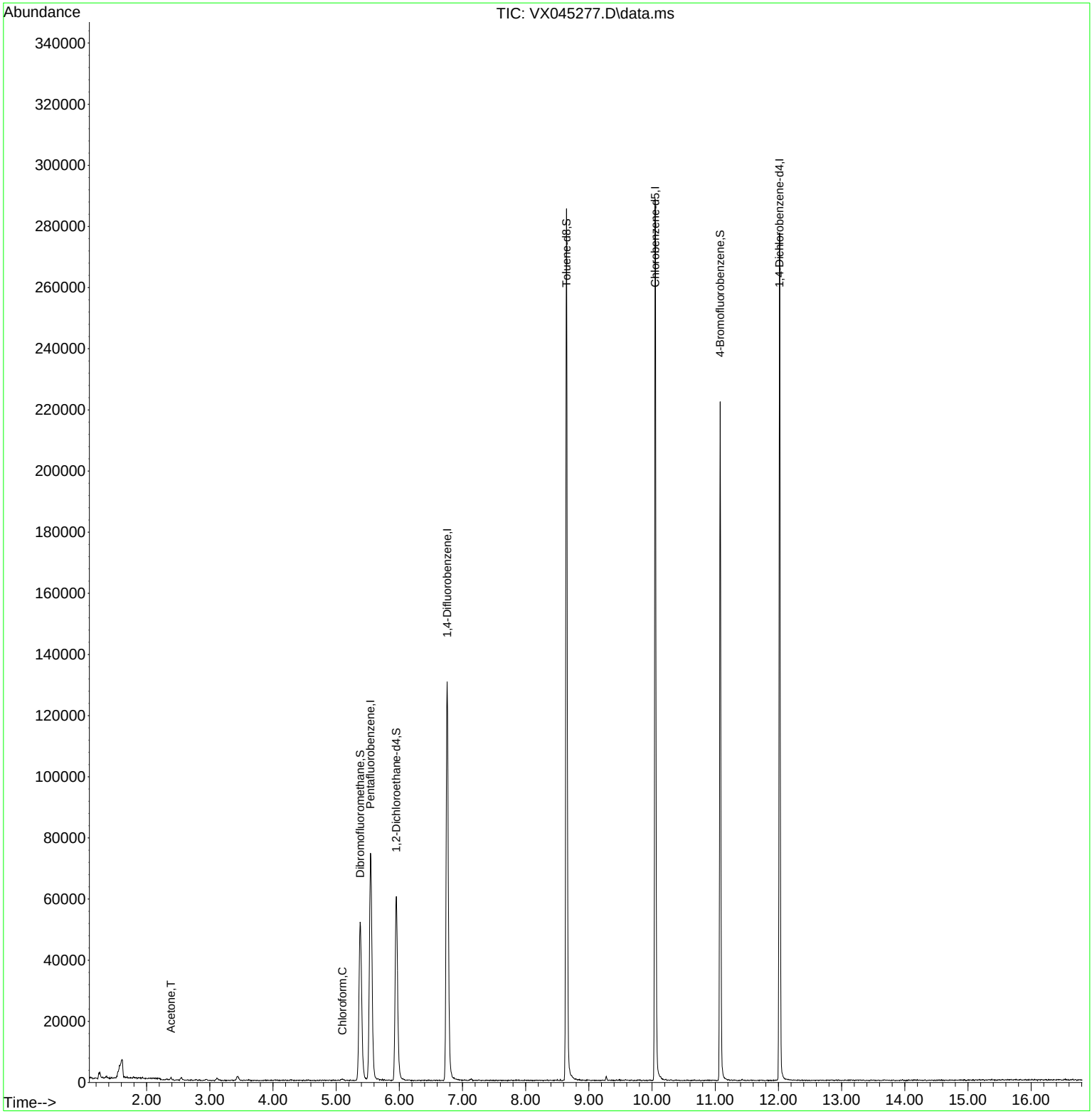
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57585	53.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.940%			
35) Dibromofluoromethane	5.379	113	45293	52.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	8.647	98	163842	52.047	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	11.079	95	57510	55.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.260%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1065	2.151	ug/l #	72
30) Chloroform	5.099	83	459	0.276	ug/l	89

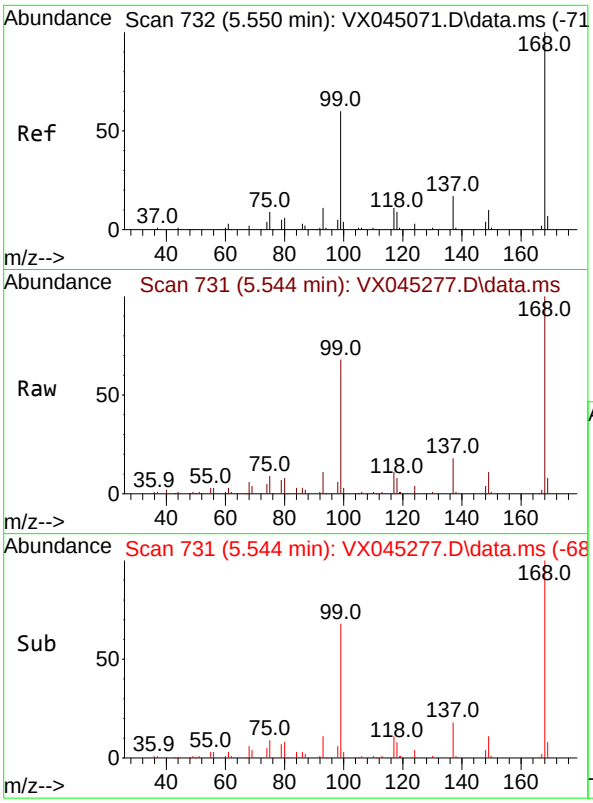
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045277.D
Acq On : 13 Mar 2025 18:15
Operator : JC/MD
Sample : Q1559-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Quant Time: Mar 14 12:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



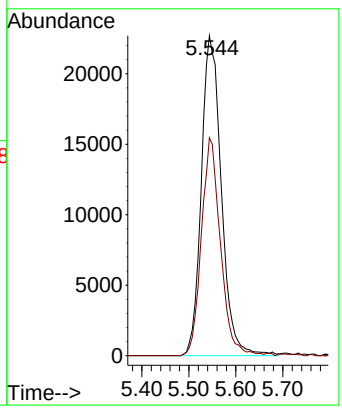


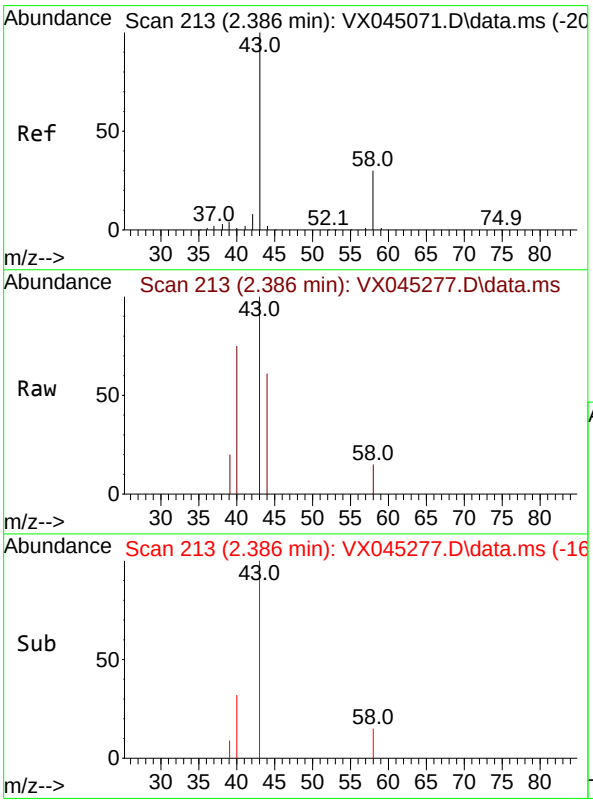
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Tgt Ion:168 Resp: 67080

Ion	Ratio	Lower	Upper
168	100		
99	68.1	48.2	72.4

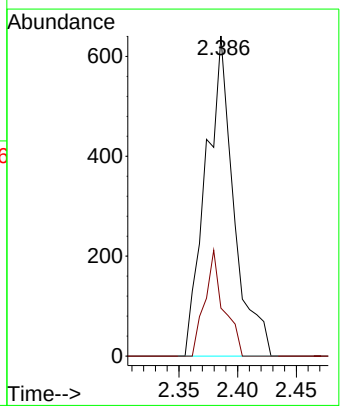


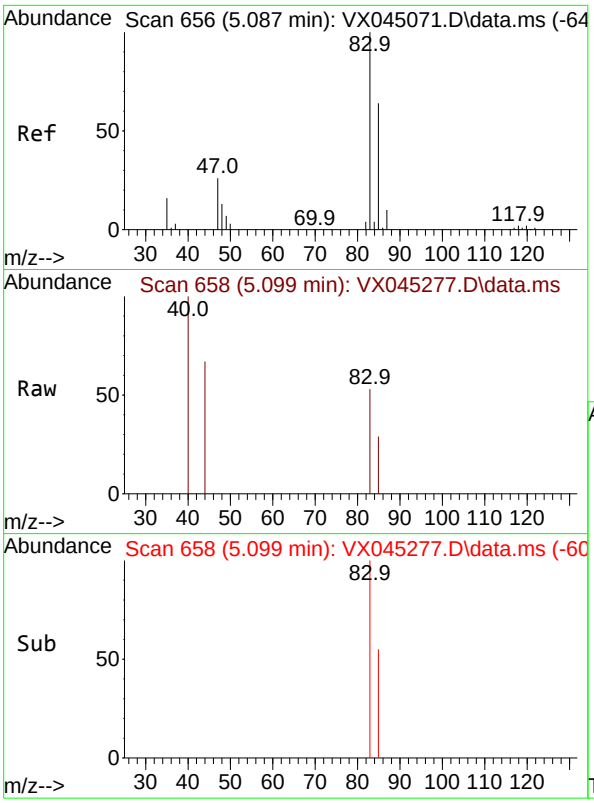


#16
Acetone
Concen: 2.151 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Tgt Ion: 43 Resp: 1065

Ion	Ratio	Lower	Upper
43	100		
58	15.0	24.2	36.4#



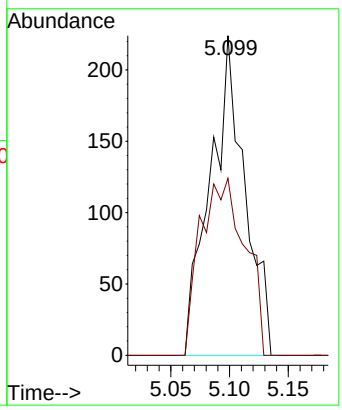


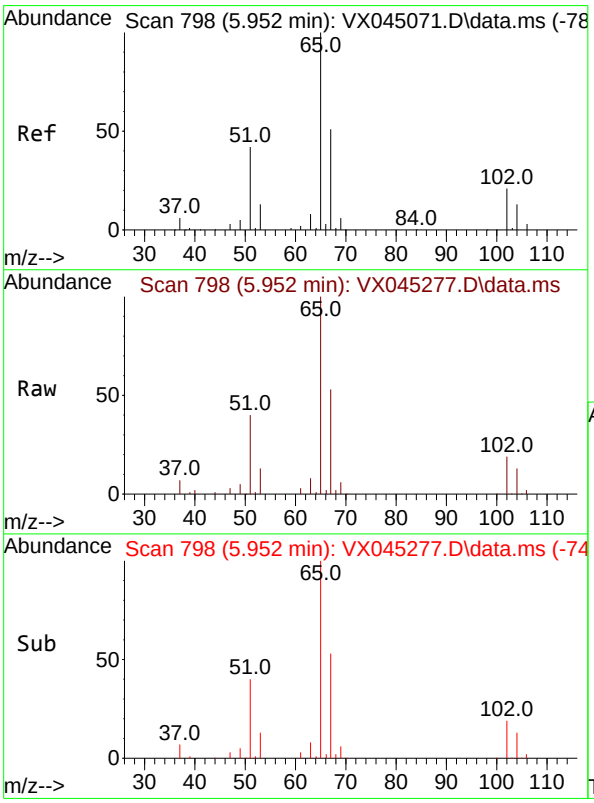
#30
Chloroform
Concen: 0.276 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TT158l1-20250311

Tgt Ion: 83 Resp: 459

Ion	Ratio	Lower	Upper
83	100		
85	55.4	51.4	77.2

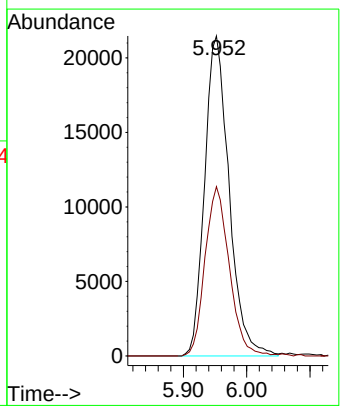


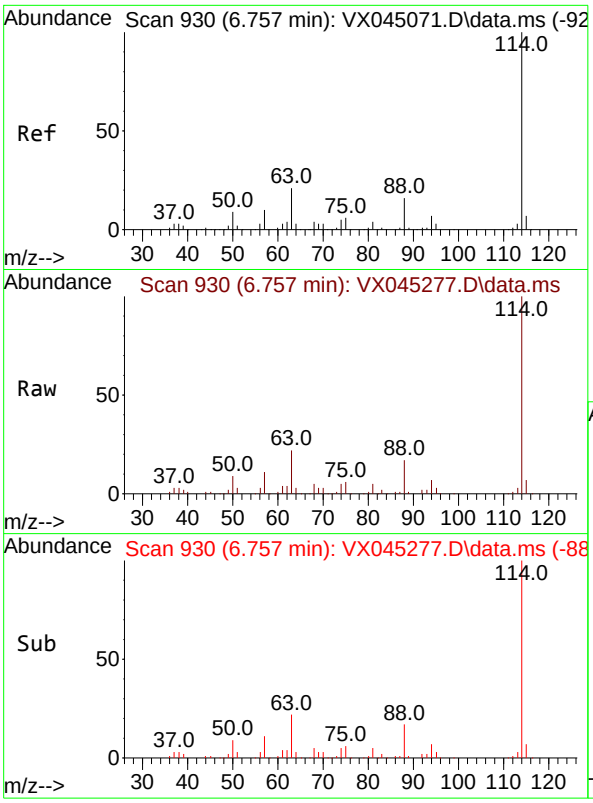


#33
1,2-Dichloroethane-d4
Concen: 53.969 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Tgt Ion: 65 Resp: 57585

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2



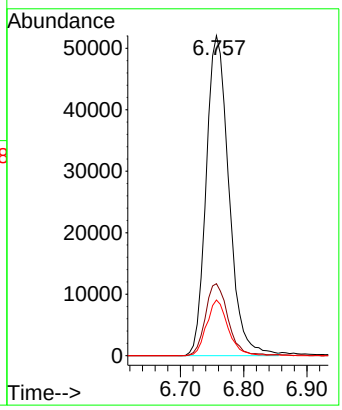


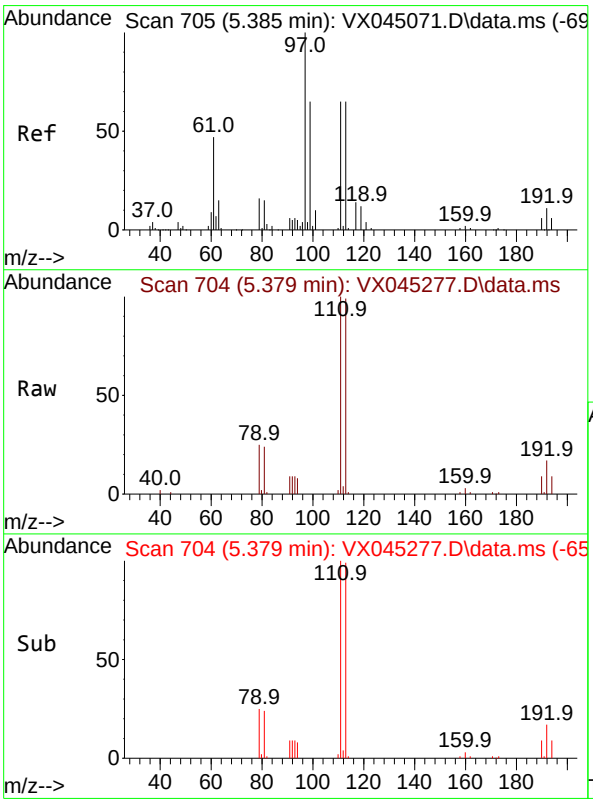
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Tgt Ion:114 Resp: 129858

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	17.4	0.0	32.8

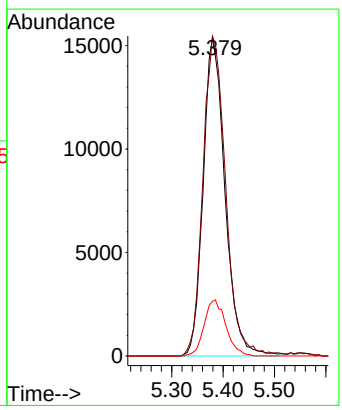


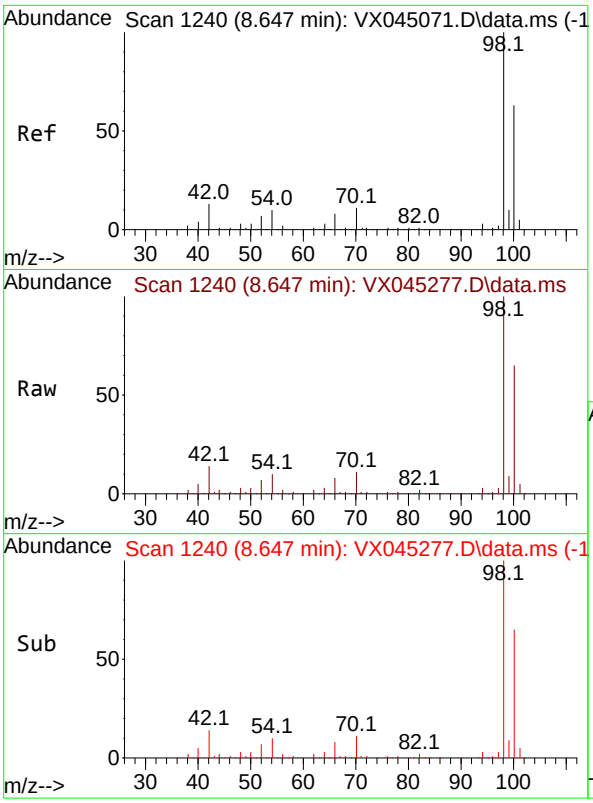


#35
Dibromofluoromethane
Concen: 52.161 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Tgt Ion:113 Resp: 45293

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	17.5	14.3	21.5



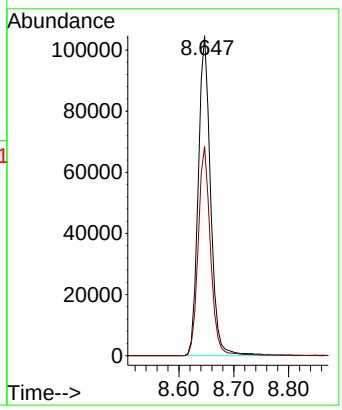


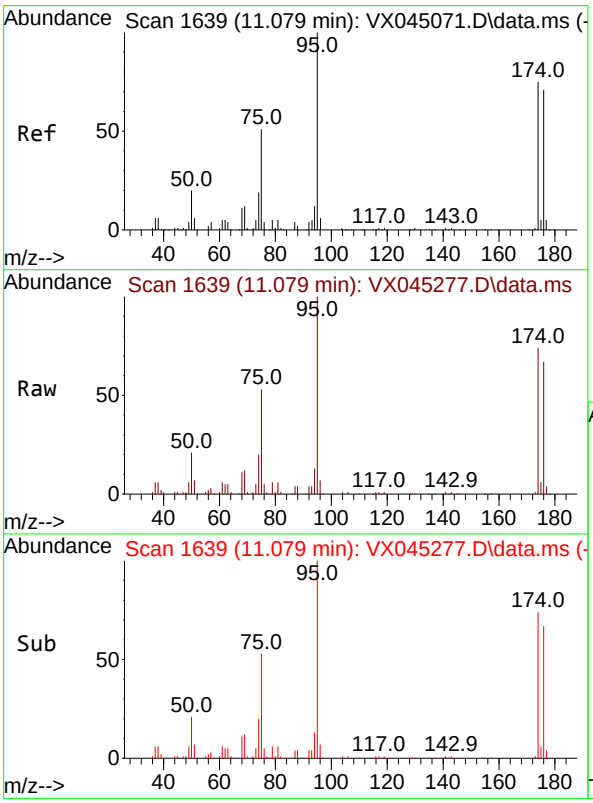
#50
Toluene-d8
Concen: 52.047 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Tgt Ion: 98 Resp: 163842

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

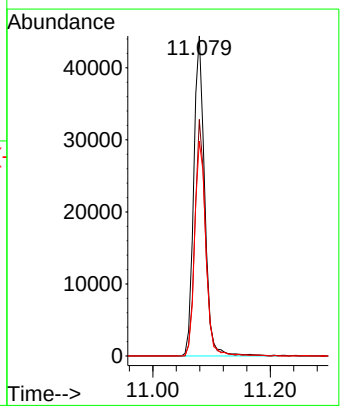


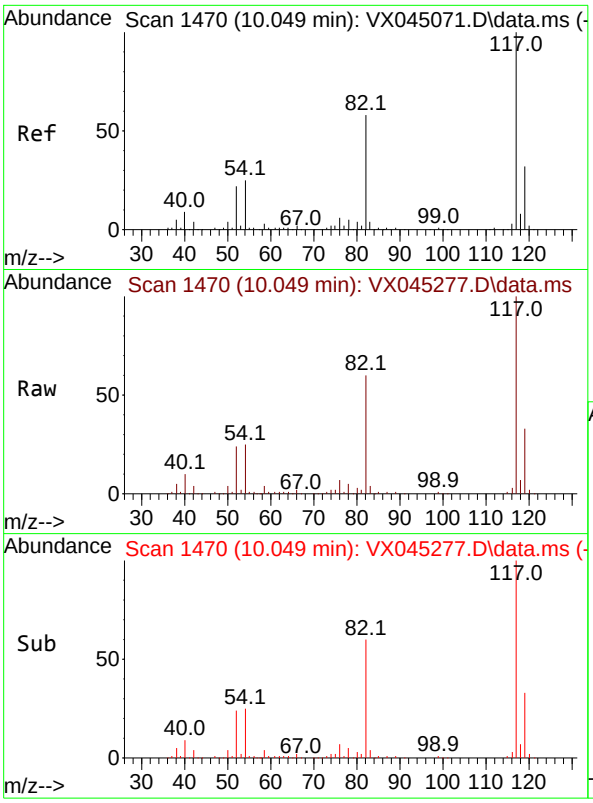


#62
4-Bromofluorobenzene
Concen: 55.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Tgt Ion: 95 Resp: 57510

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.5	0.0	141.4



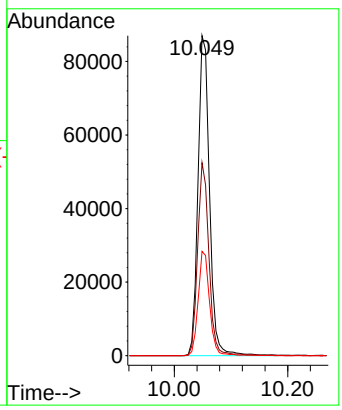


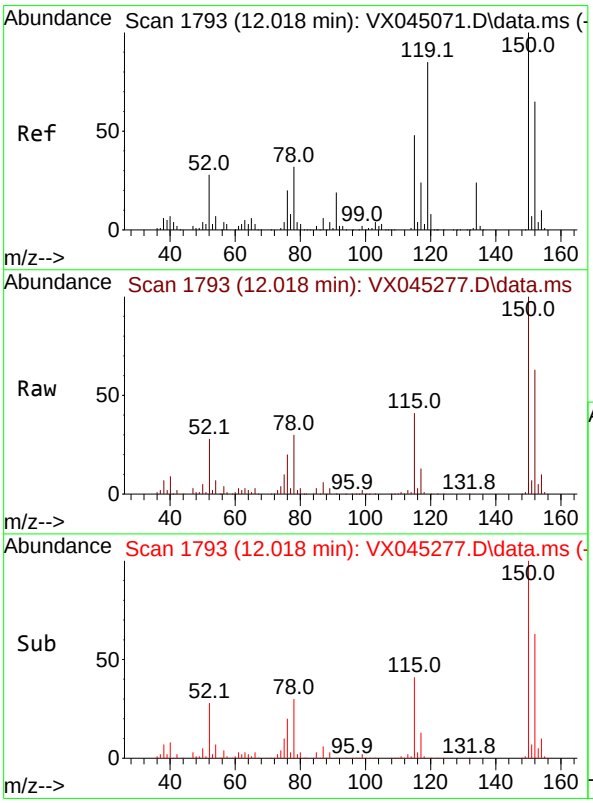
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TT158I1-20250311

Tgt Ion:117 Resp: 122457

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.6	25.7	38.5

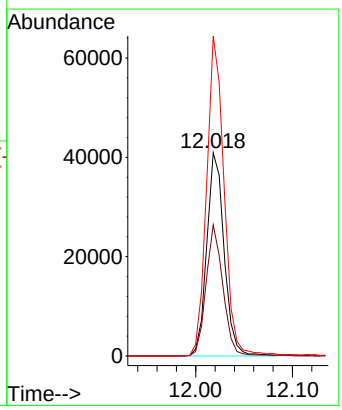




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045277.D
Acq: 13 Mar 2025 18:15

Tgt Ion:152 Resp: 51296

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.2	132.6
150	159.1	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-14	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
VX045278.D	1		03/13/25 18:39	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-14	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
VX045278.D	1		03/13/25 18:39	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68300	5.55				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54600	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01S-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-14	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
VX045278.D	1		03/13/25 18:39	VX031325

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\VX031325\
Data File : VX045278.D
Acq On : 13 Mar 2025 18:39
Operator : JC/MD
Sample : Q1559-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Quant Time: Mar 14 12:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

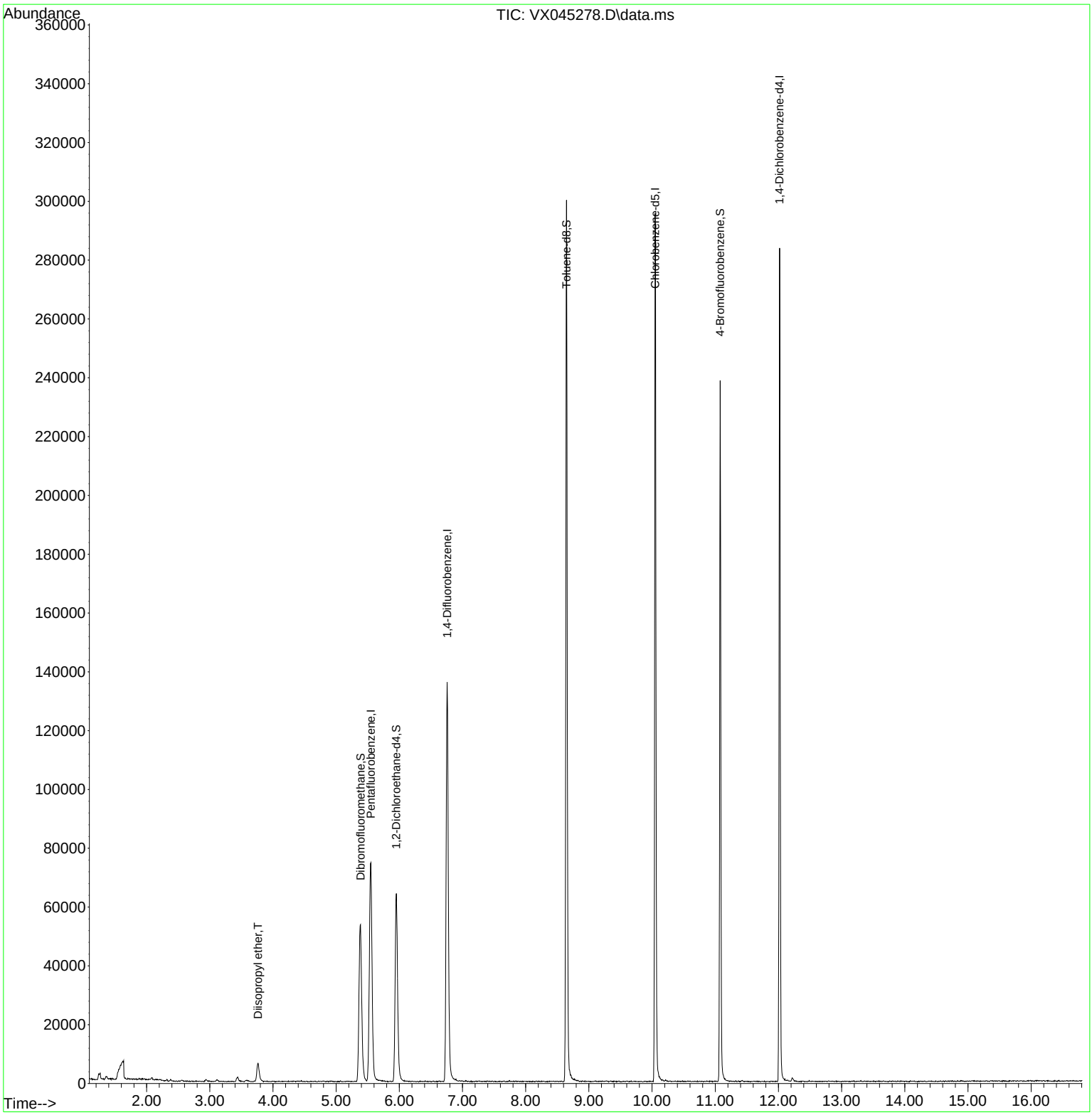
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	68309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60432	55.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.240%			
35) Dibromofluoromethane	5.385	113	47428	52.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.360%			
50) Toluene-d8	8.647	98	170620	52.277	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.560%			
62) 4-Bromofluorobenzene	11.079	95	59329	54.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.720%			
Target Compounds						Qvalue
22) Diisopropyl ether	3.763	45	7219	2.376	ug/l #	79

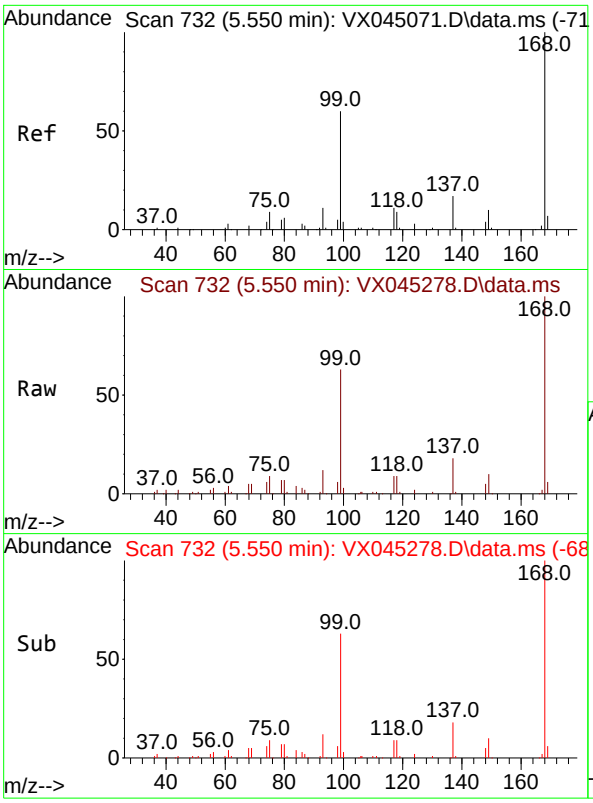
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045278.D
Acq On : 13 Mar 2025 18:39
Operator : JC/MD
Sample : Q1559-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Quant Time: Mar 14 12:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



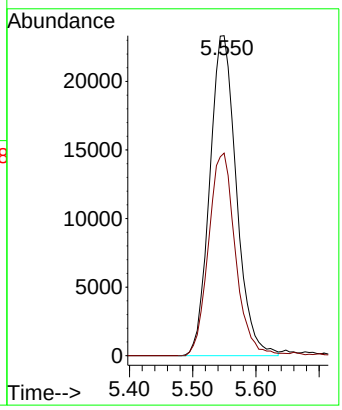


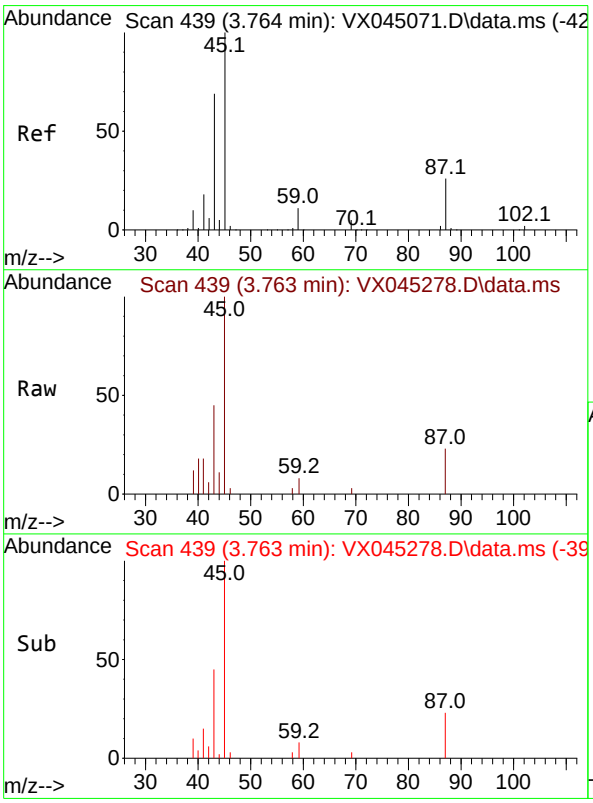
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Tgt Ion:168 Resp: 68309

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.4

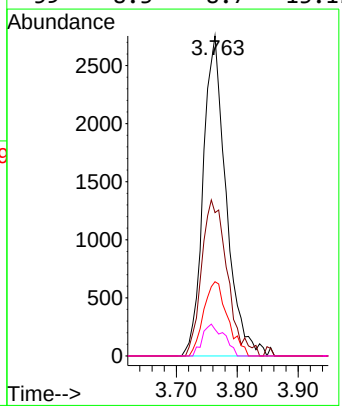


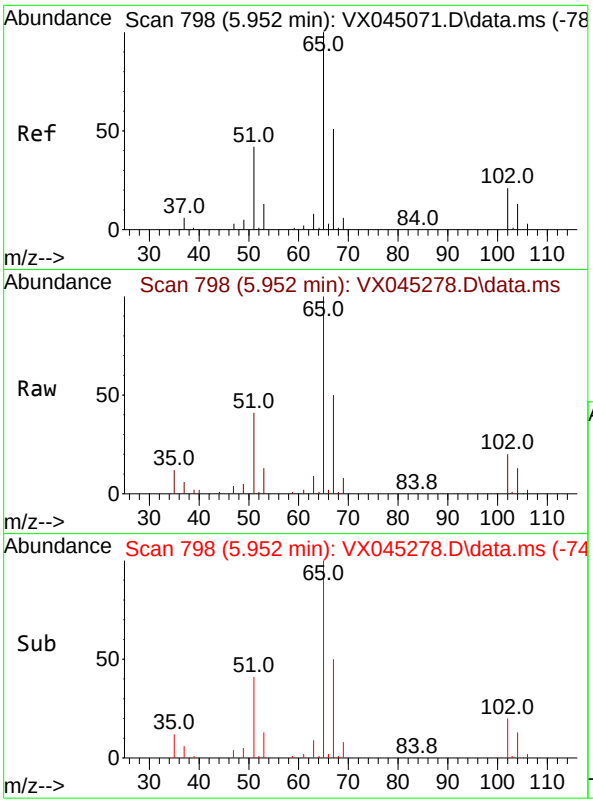


#22
Diisopropyl ether
Concen: 2.376 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Tgt Ion: 45 Resp: 7219

Ion	Ratio	Lower	Upper
45	100		
43	44.8	54.9	82.3#
87	23.2	21.0	31.4
59	8.3	8.7	13.1#



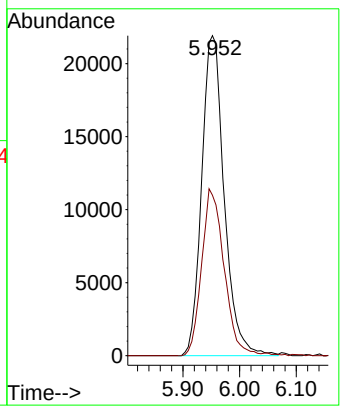


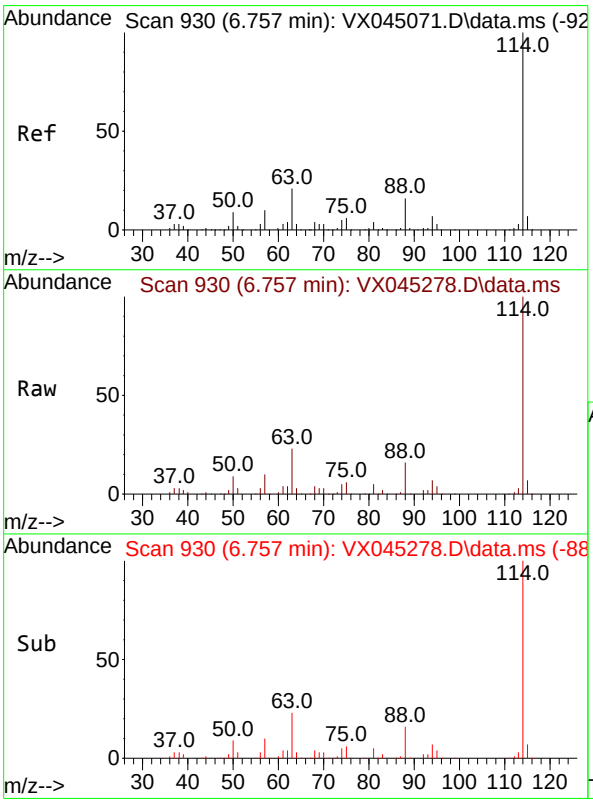
#33
1,2-Dichloroethane-d4
Concen: 55.618 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Tgt Ion: 65 Resp: 60432

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

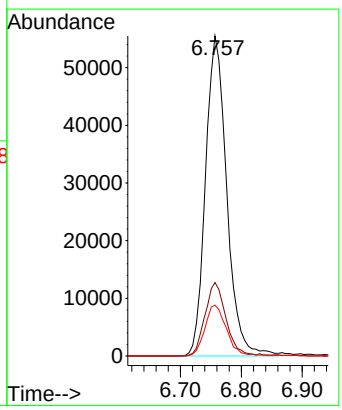


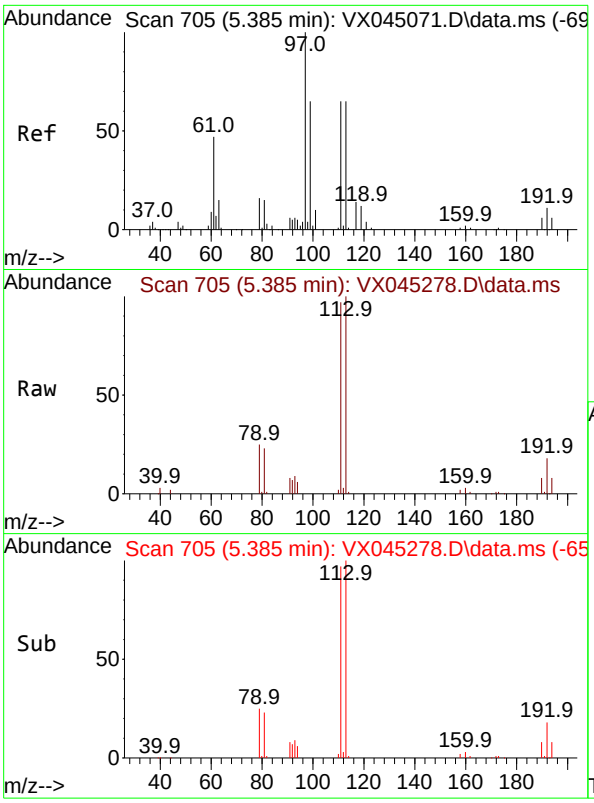


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Tgt Ion:114 Resp: 134633

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	15.8	0.0	32.8



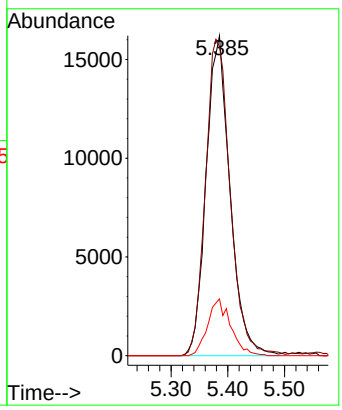


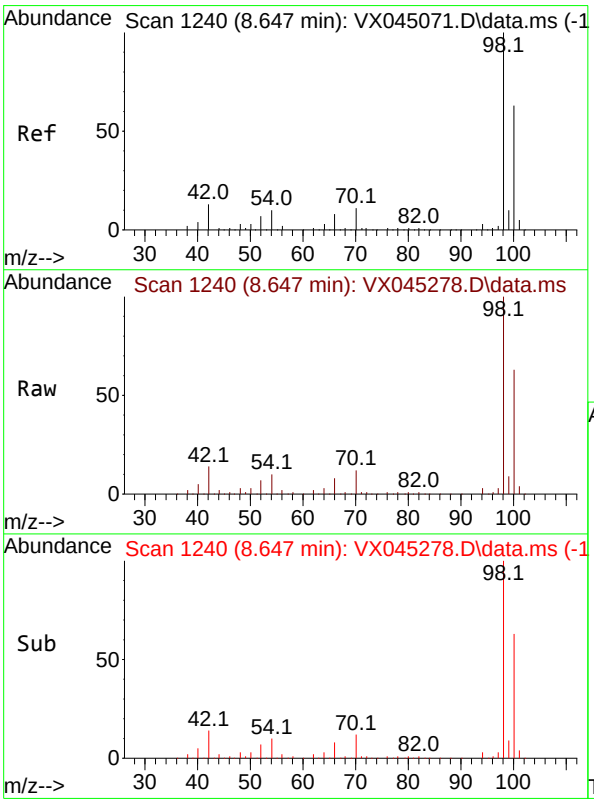
#35
Dibromofluoromethane
Concen: 52.683 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Tgt Ion:113 Resp: 47428

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.1	14.3	21.5

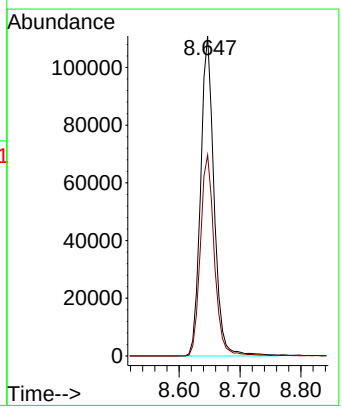


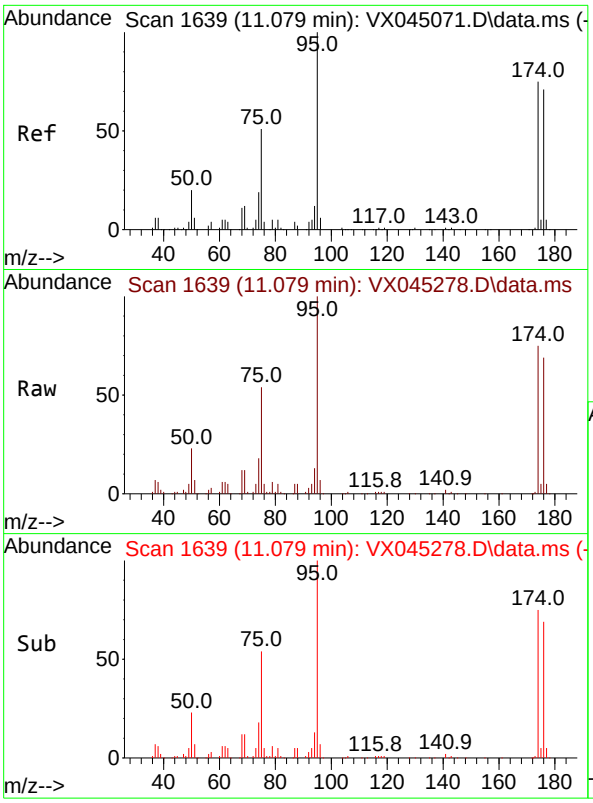


#50
Toluene-d8
Concen: 52.277 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Tgt Ion: 98 Resp: 170620

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



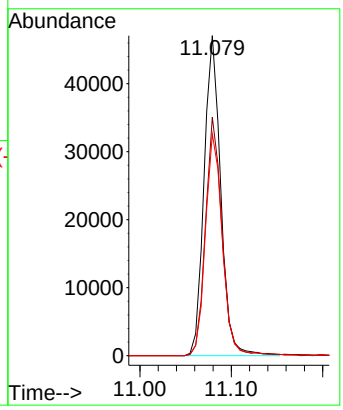


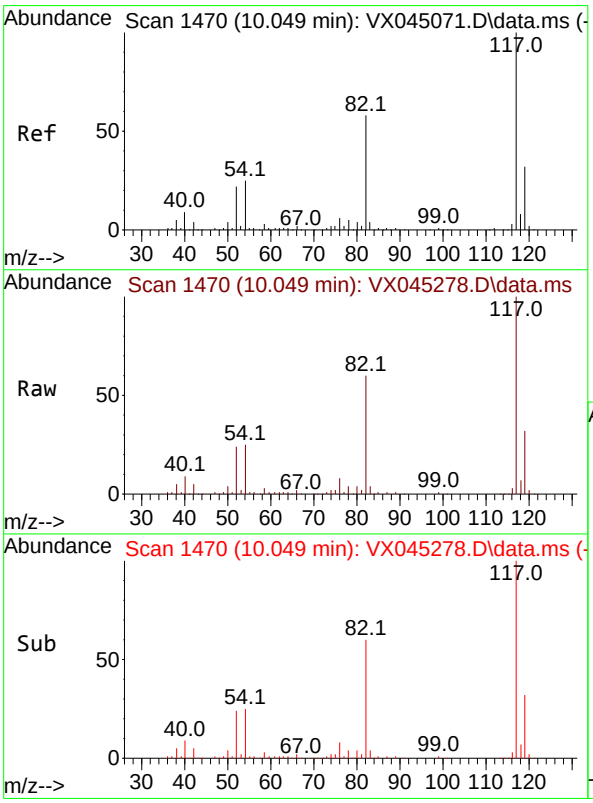
#62
4-Bromofluorobenzene
Concen: 54.858 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Tgt Ion: 95 Resp: 59329

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	148.2
176	71.0	0.0	141.4

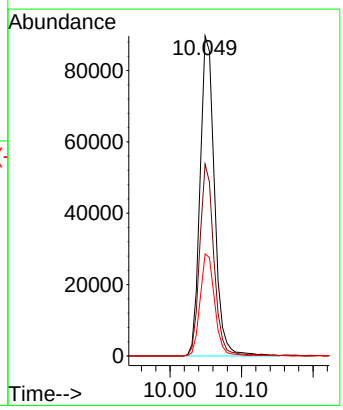


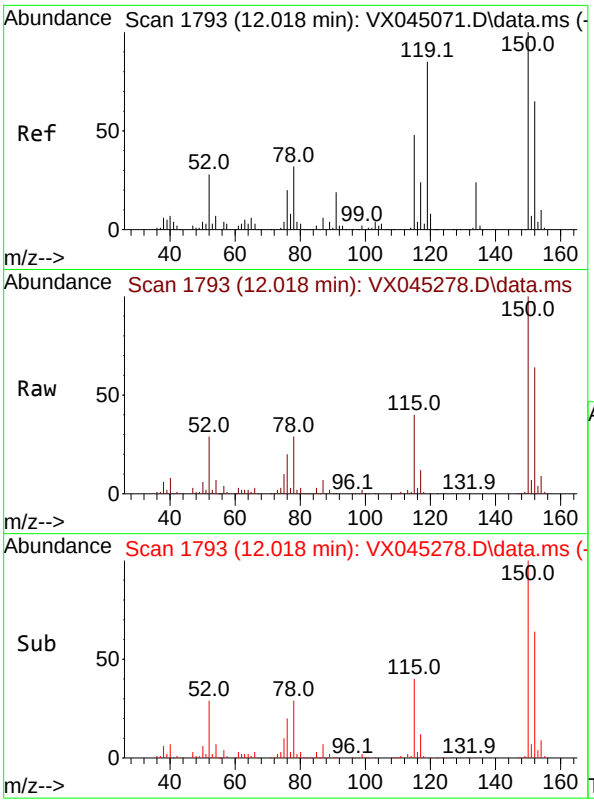


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Tgt Ion:117 Resp: 125955

Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.3	69.5
119	31.9	25.7	38.5



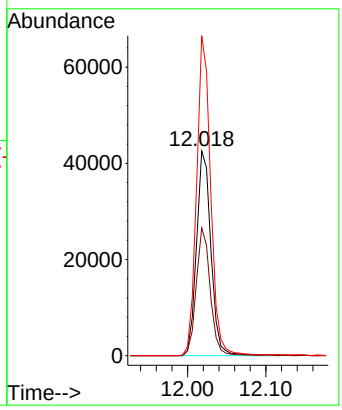


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045278.D
Acq: 13 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250311

Tgt Ion:152 Resp: 54627

Ion	Ratio	Lower	Upper
152	100		
115	60.6	44.2	132.6
150	152.4	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01I-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-15	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
VX045279.D	1		03/13/25 19:02	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	2.40	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01I-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-15	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
VX045279.D	1		03/13/25 19:02	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62600	5.55				
540-36-3	1,4-Difluorobenzene	124000	6.757				
3114-55-4	Chlorobenzene-d5	113000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	46100	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW10A-MW01I-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-15	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
VX045279.D	1		03/13/25 19:02	VX031325

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\VX031325\
Data File : VX045279.D
Acq On : 13 Mar 2025 19:02
Operator : JC/MD
Sample : Q1559-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Quant Time: Mar 14 12:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

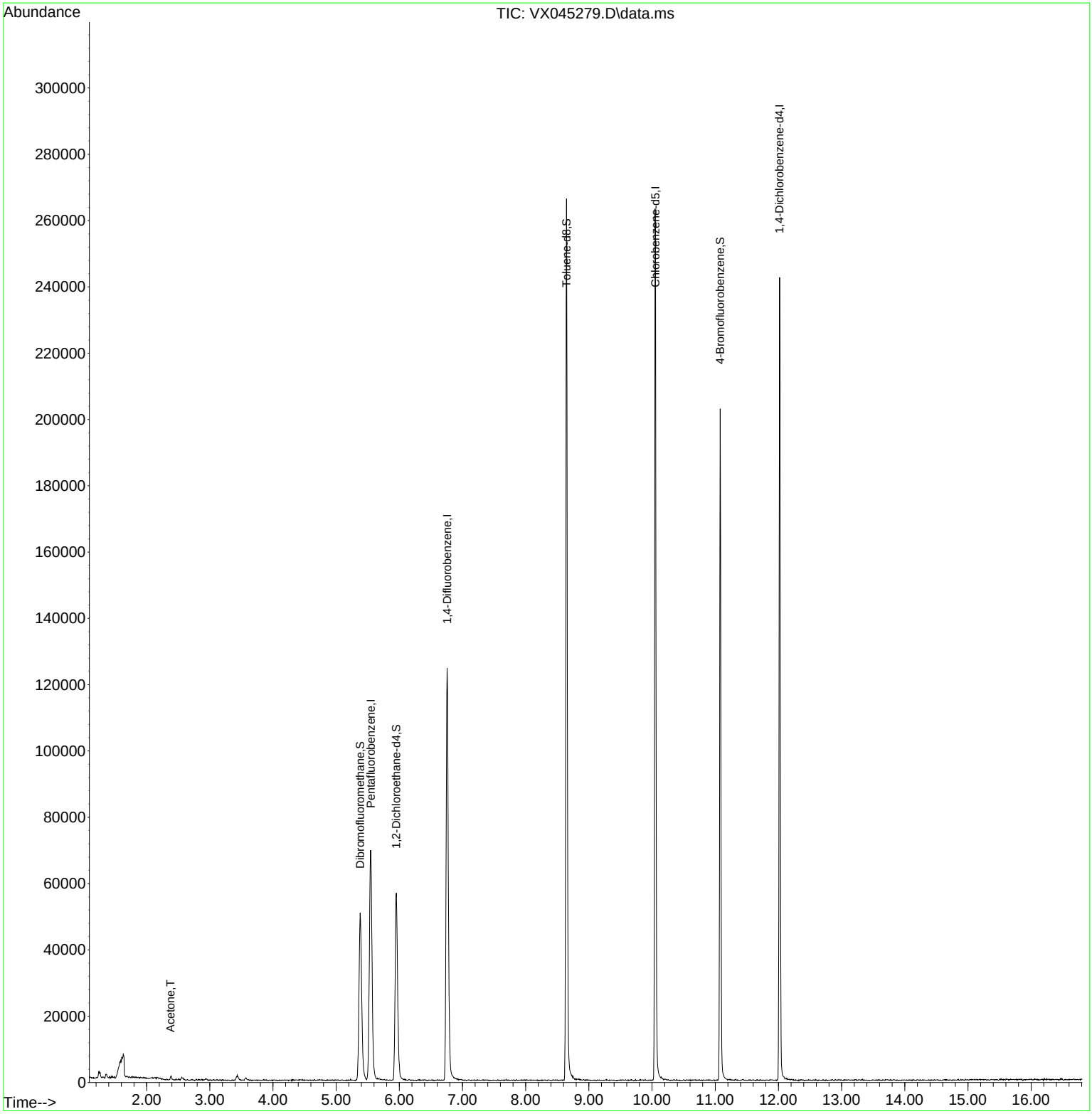
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55132	55.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.760%			
35) Dibromofluoromethane	5.379	113	44035	53.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	8.647	98	154582	51.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	52038	52.406	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.820%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1125	2.436	ug/l	97

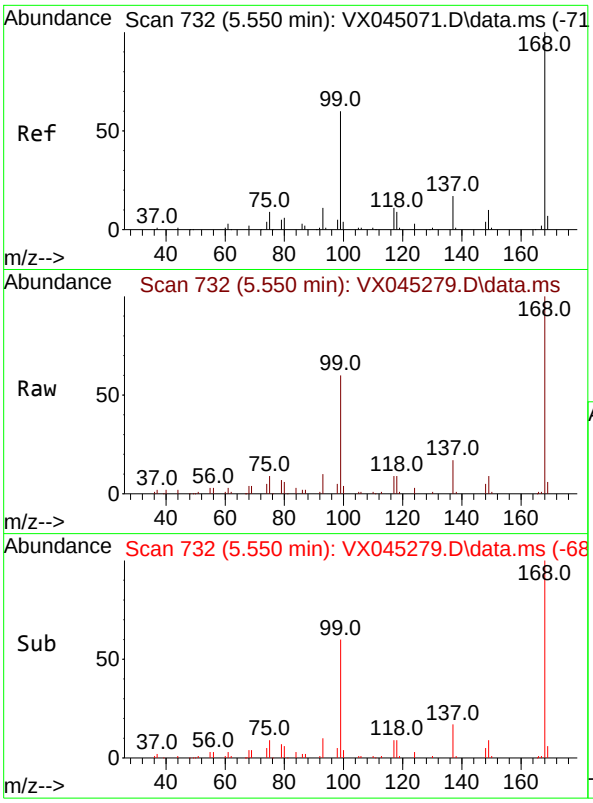
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045279.D
Acq On : 13 Mar 2025 19:02
Operator : JC/MD
Sample : Q1559-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Quant Time: Mar 14 12:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



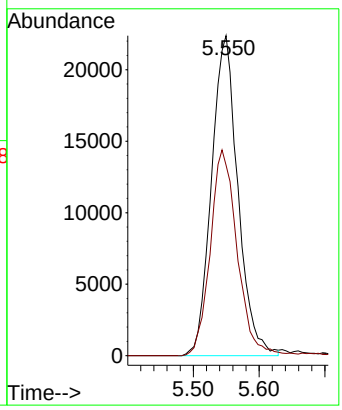


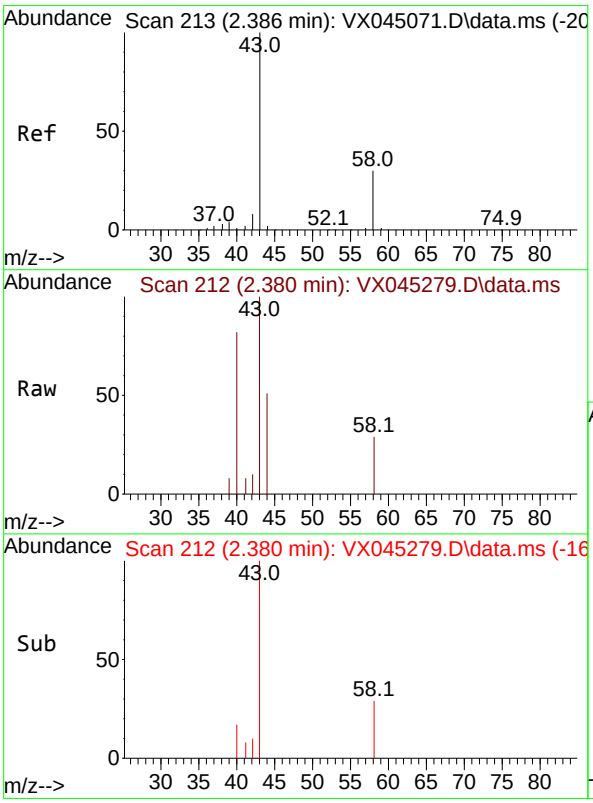
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Tgt Ion:168 Resp: 62583

Ion	Ratio	Lower	Upper
168	100		
99	59.5	48.2	72.4

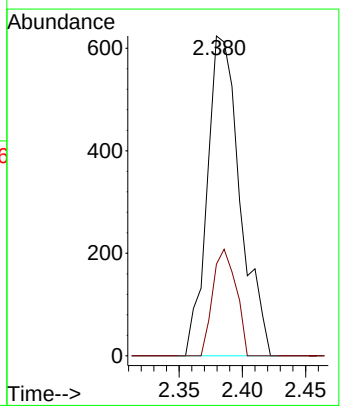


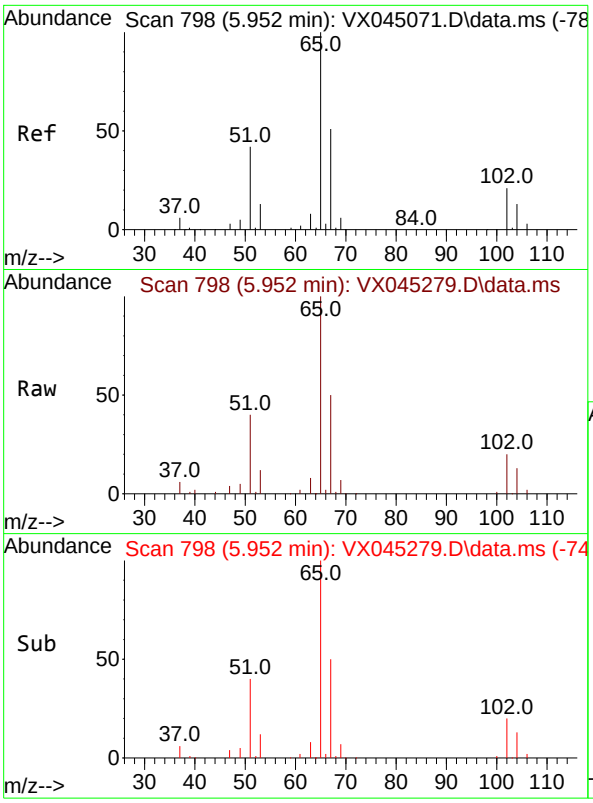


#16
Acetone
Concen: 2.436 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Tgt Ion: 43 Resp: 1125

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4



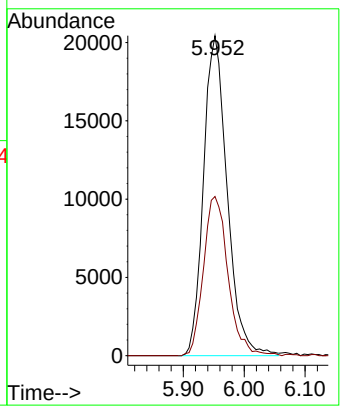


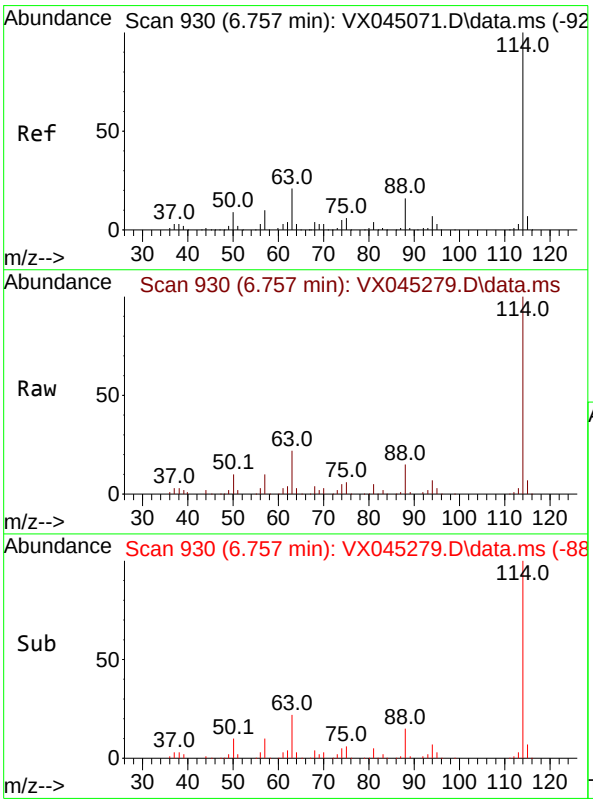
#33
1,2-Dichloroethane-d4
Concen: 55.383 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Tgt Ion: 65 Resp: 55132

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

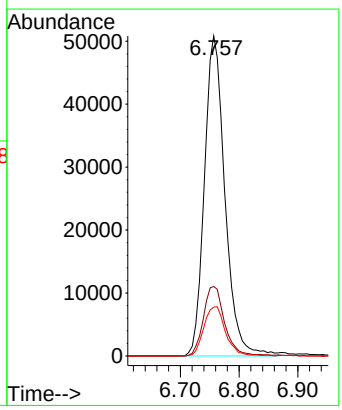


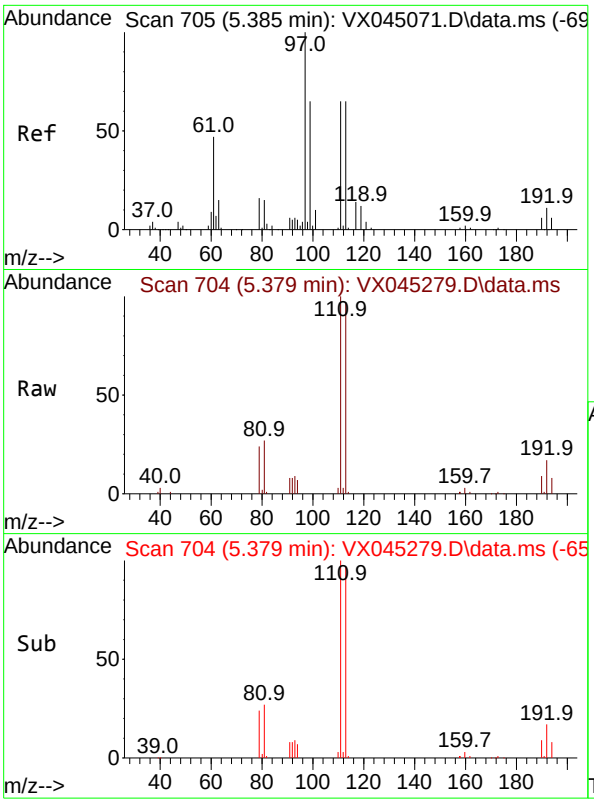


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Tgt Ion:114 Resp: 123612

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	15.3	0.0	32.8



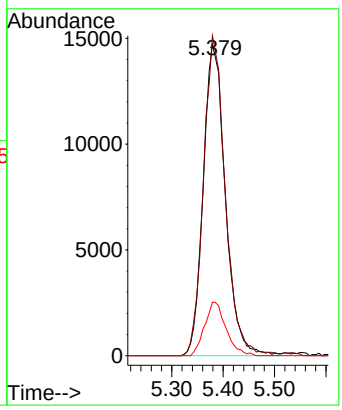


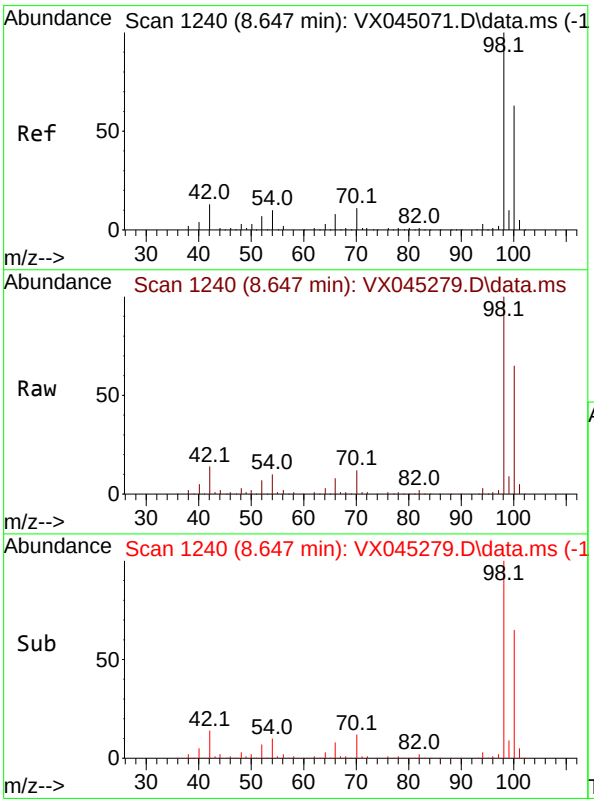
#35
Dibromofluoromethane
Concen: 53.275 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Tgt Ion:113 Resp: 44035

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	16.6	14.3	21.5

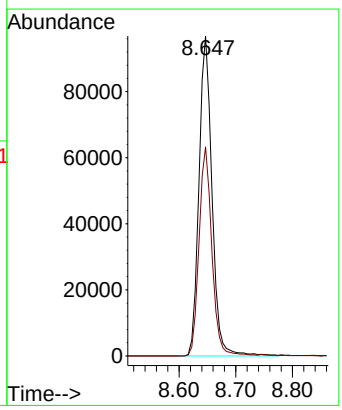


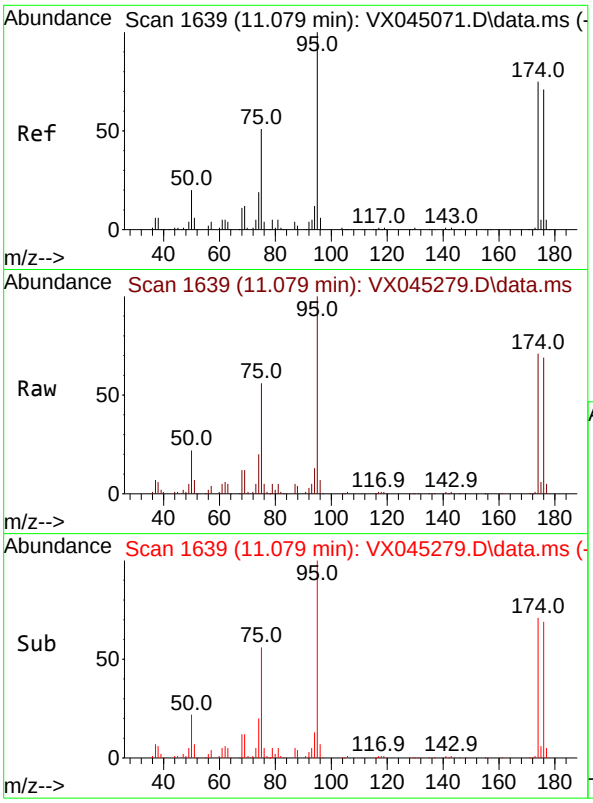


#50
Toluene-d8
Concen: 51.586 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Tgt Ion: 98 Resp: 154582

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



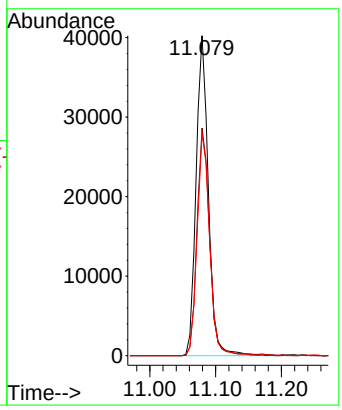


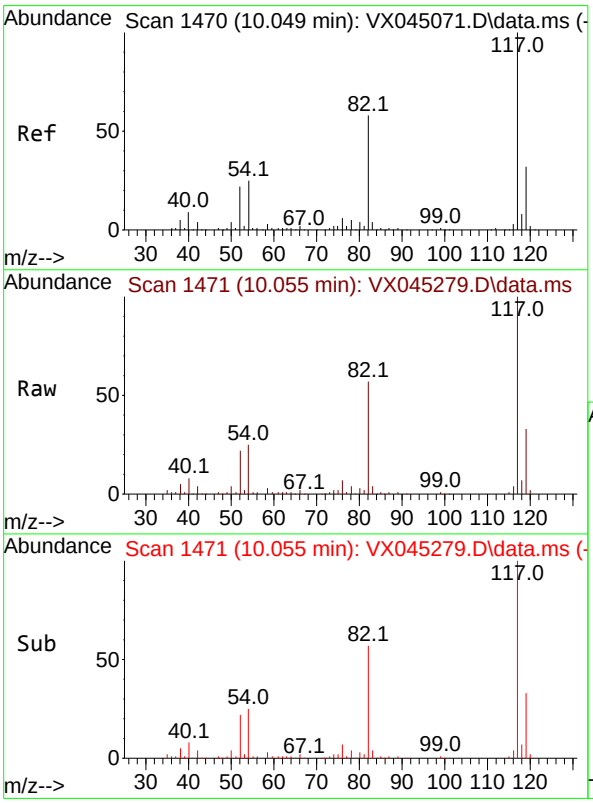
#62
4-Bromofluorobenzene
Concen: 52.406 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Tgt Ion: 95 Resp: 52038

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	70.4	0.0	141.4

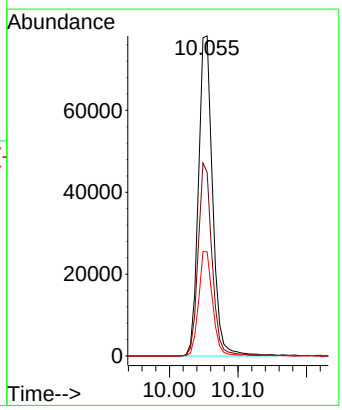


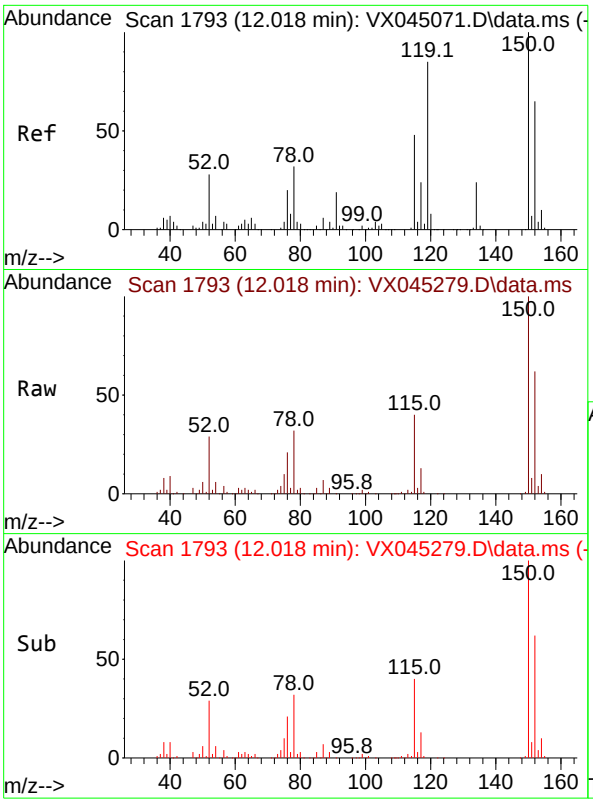


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Tgt Ion:117 Resp: 112694

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	32.6	25.7	38.5



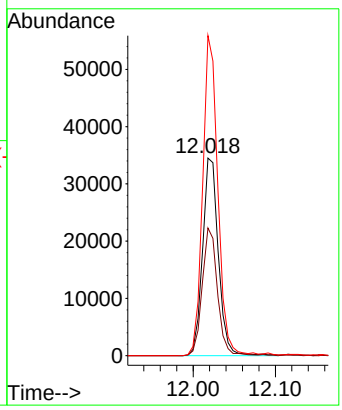


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045279.D
Acq: 13 Mar 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250311

Tgt Ion:152 Resp: 46139

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.2	132.6
150	155.9	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-16	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
VX045280.D	1		03/13/25 19:25	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	10.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.30		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.86	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	580	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-16	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
VX045280.D	1		03/13/25 19:25	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	0.34	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.30		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66000	5.55				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51300	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311	SDG No.:	Q1559
Lab Sample ID:	Q1559-16	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
VX045280.D	1		03/13/25 19:25	VX031325

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\VX031325\
Data File : VX045280.D
Acq On : 13 Mar 2025 19:25
Operator : JC/MD
Sample : Q1559-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Quant Time: Mar 14 12:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

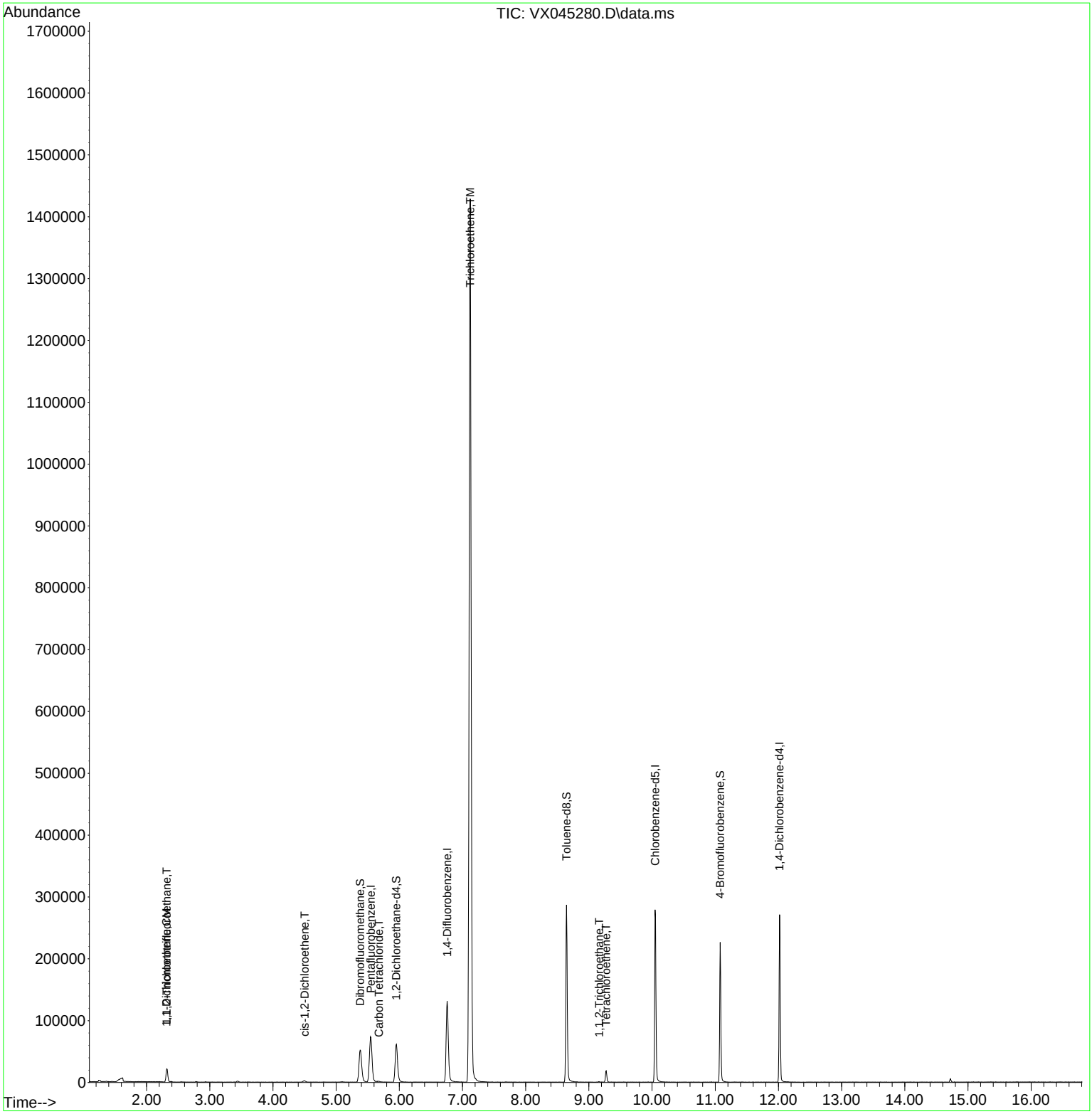
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59358	56.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.160%			
35) Dibromofluoromethane	5.379	113	46845	53.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	8.647	98	161741	50.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	56377	53.361	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.720%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	7695	10.039	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1066	1.315	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	1213	1.227	ug/l	86
38) Carbon Tetrachloride	5.678	117	1051	0.858	ug/l #	67
44) Trichloroethene	7.123	130	516091	577.100	ug/l	97
55) 1,1,2-Trichloroethane	9.165	97	310	0.337	ug/l #	82
64) Tetrachloroethene	9.275	164	3291	4.289	ug/l	96

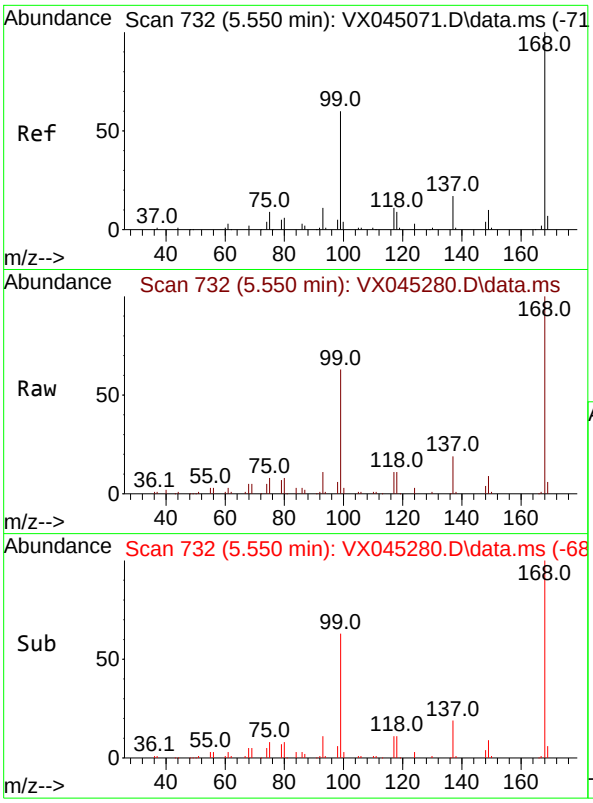
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045280.D
Acq On : 13 Mar 2025 19:25
Operator : JC/MD
Sample : Q1559-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Quant Time: Mar 14 12:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



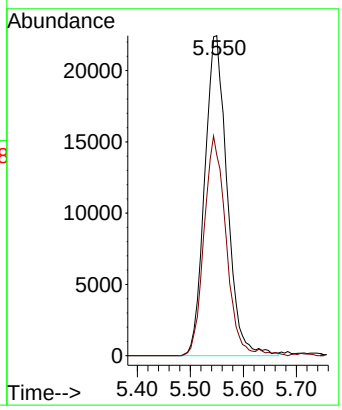


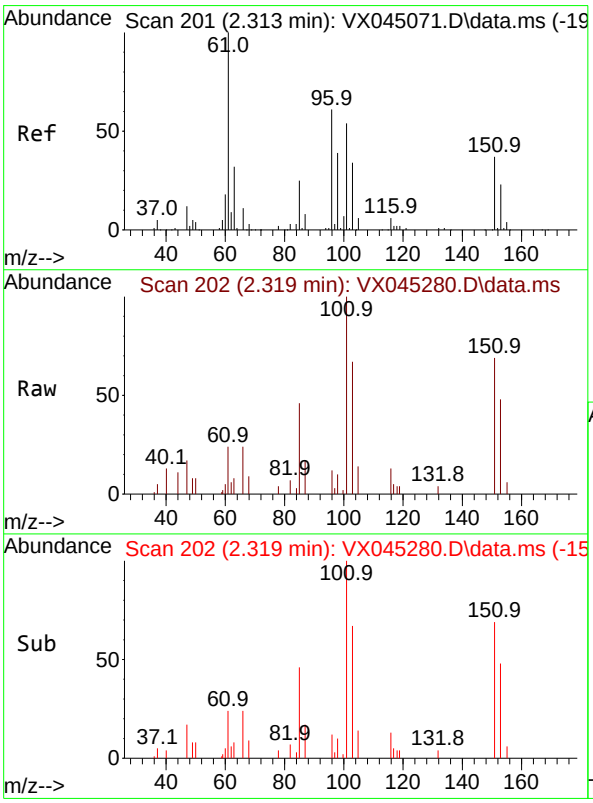
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion:168 Resp: 65951

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.2	72.4

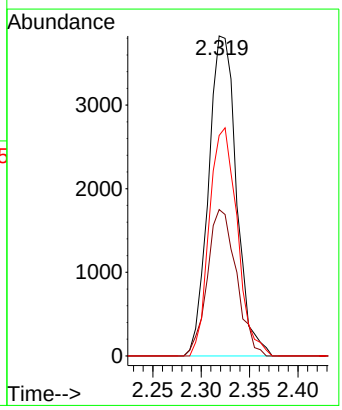


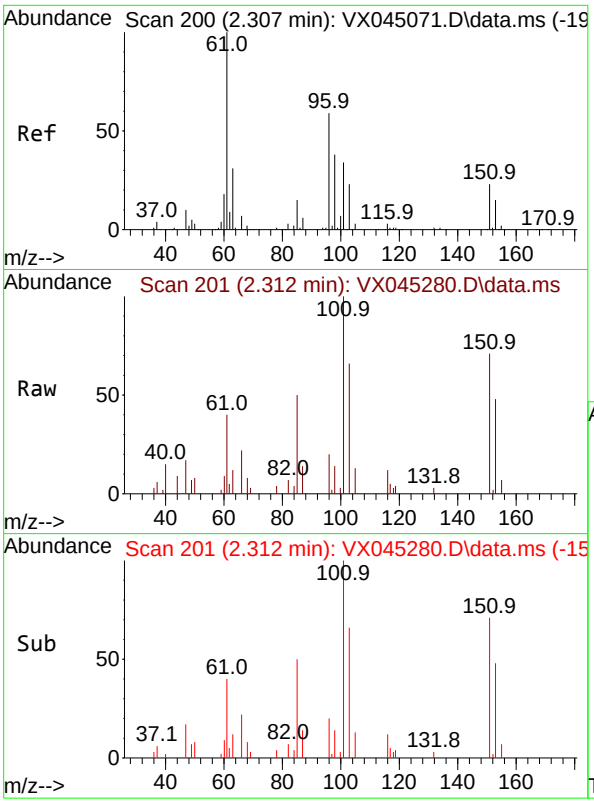


#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.039 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:101 Resp: 7695

Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.2	54.4
151	71.4	56.4	84.6



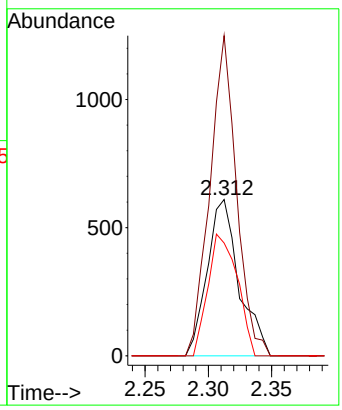


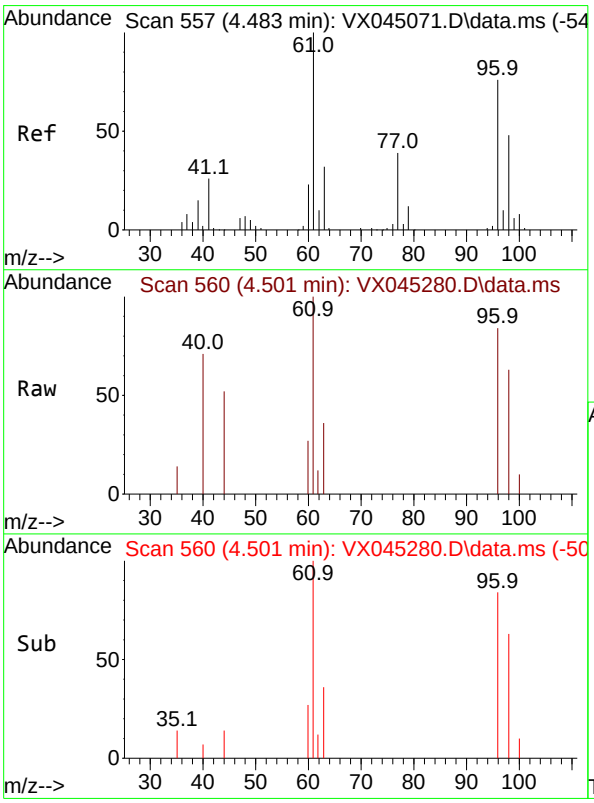
#12
1,1-Dichloroethene
Concen: 1.315 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion: 96 Resp: 1066

Ion	Ratio	Lower	Upper
96	100		
61	204.8	134.6	202.0#
98	72.1	51.0	76.6

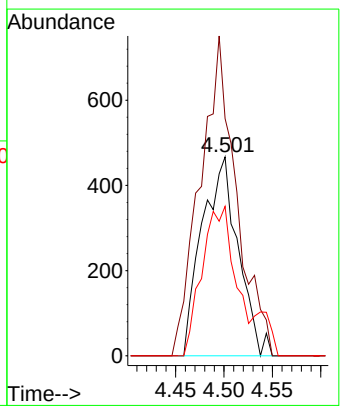


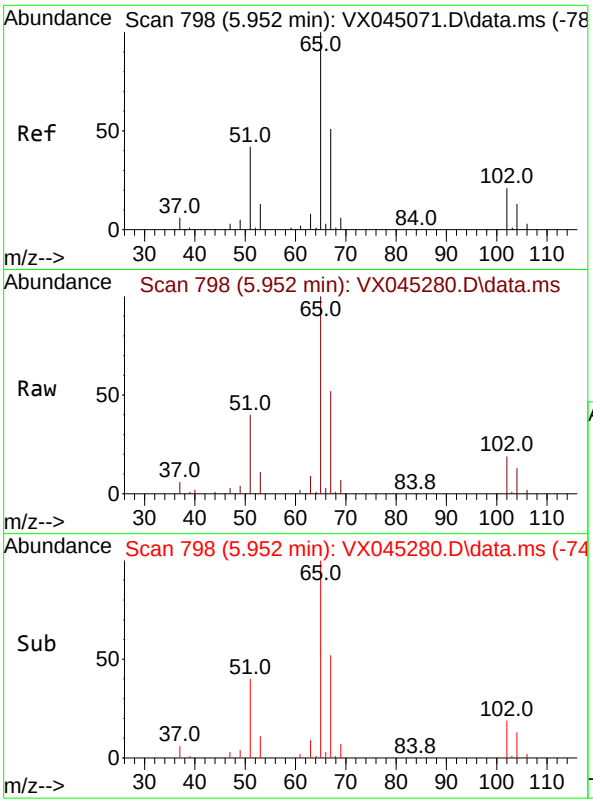


#27
cis-1,2-Dichloroethene
Concen: 1.227 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 96 Resp: 1213

Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	283.2
98	71.7	0.0	128.0



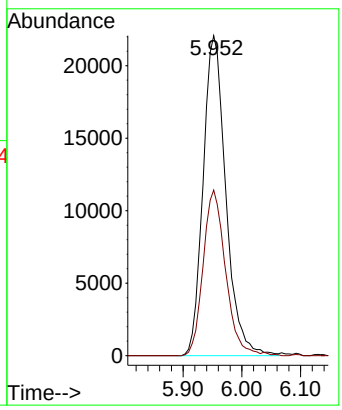


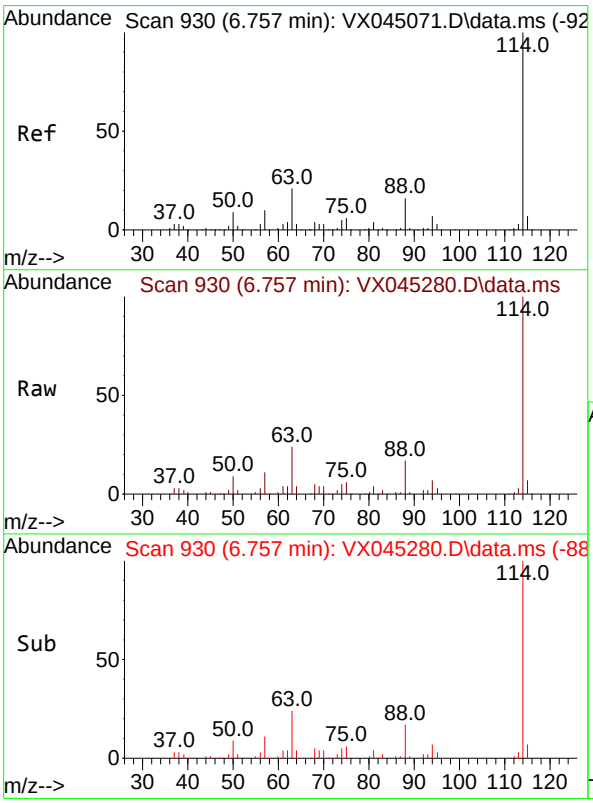
#33
1,2-Dichloroethane-d4
Concen: 56.583 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion: 65 Resp: 59358

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

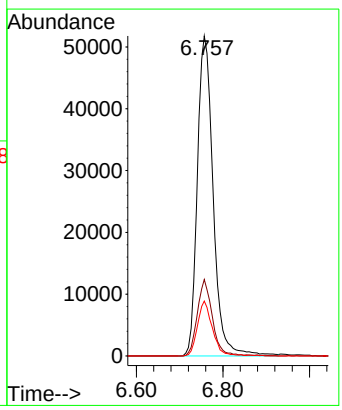


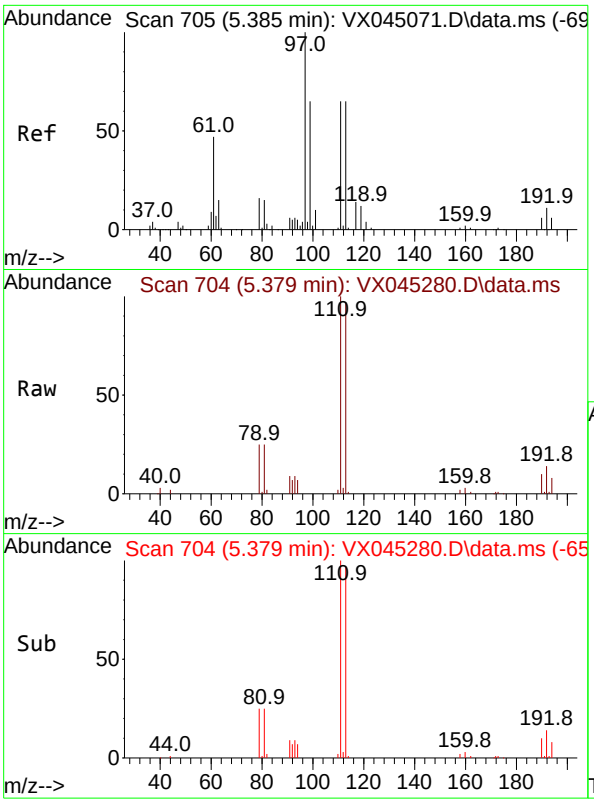


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:114 Resp: 131523

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	41.8
88	17.2	0.0	32.8



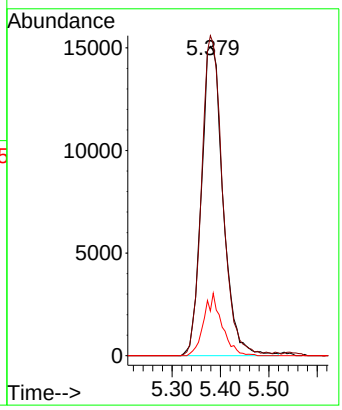


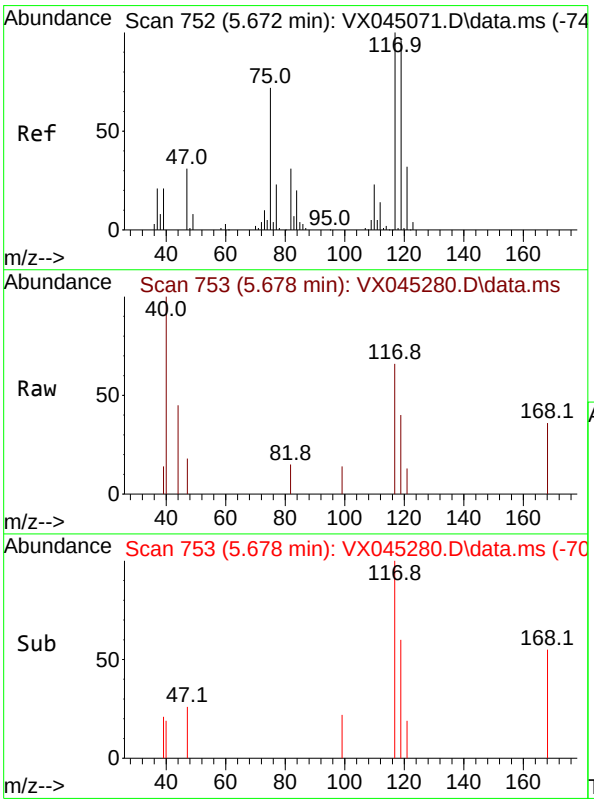
#35
Dibromofluoromethane
Concen: 53.266 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion:113 Resp: 46845

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.8	122.6
192	16.9	14.3	21.5

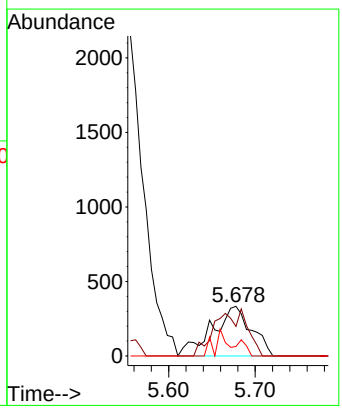


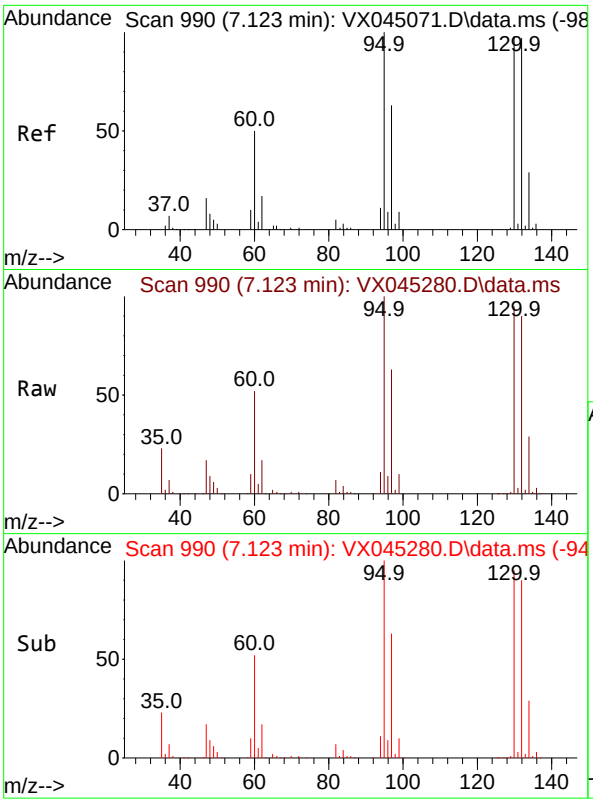


#38
Carbon Tetrachloride
Concen: 0.858 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:117 Resp: 1051

Ion	Ratio	Lower	Upper
117	100		
119	59.8	76.7	115.1#
121	19.2	25.5	38.3#



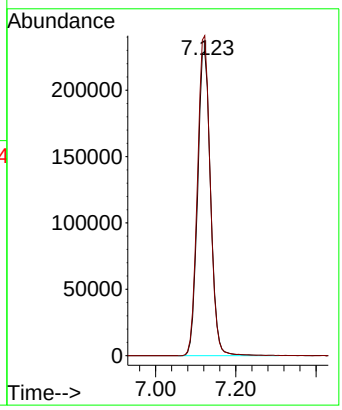


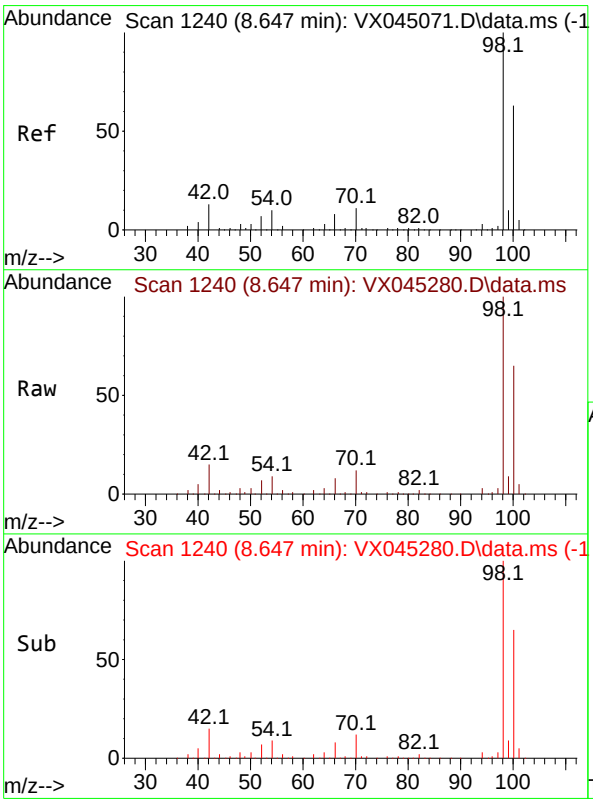
#44
Trichloroethene
Concen: 577.100 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion:130 Resp: 516091

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	205.0

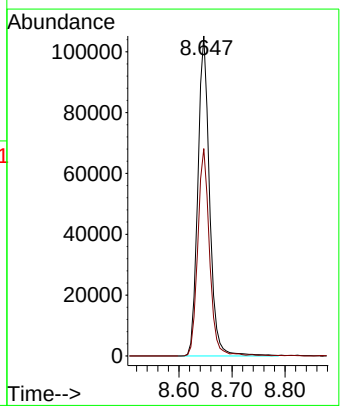


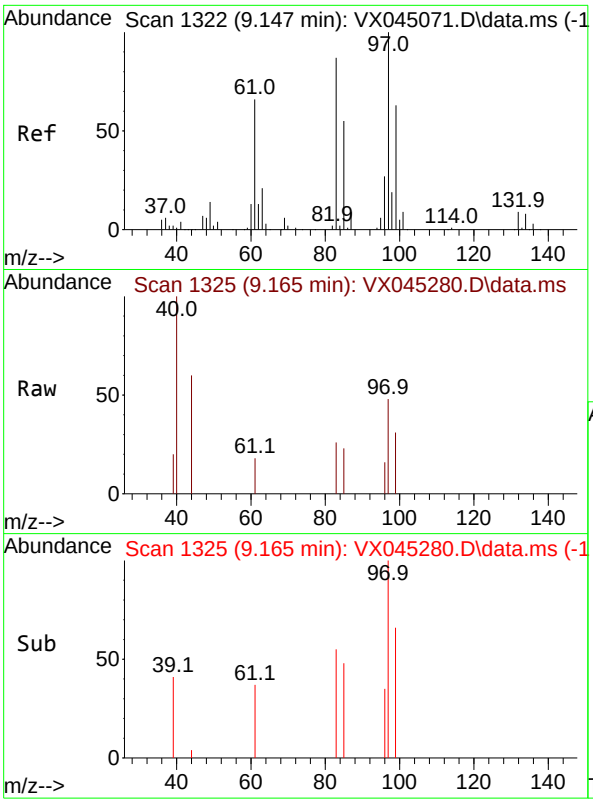


#50
Toluene-d8
Concen: 50.729 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 98 Resp: 161741

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



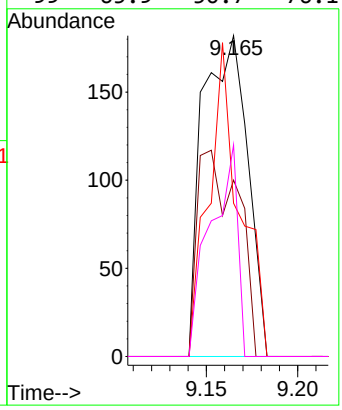


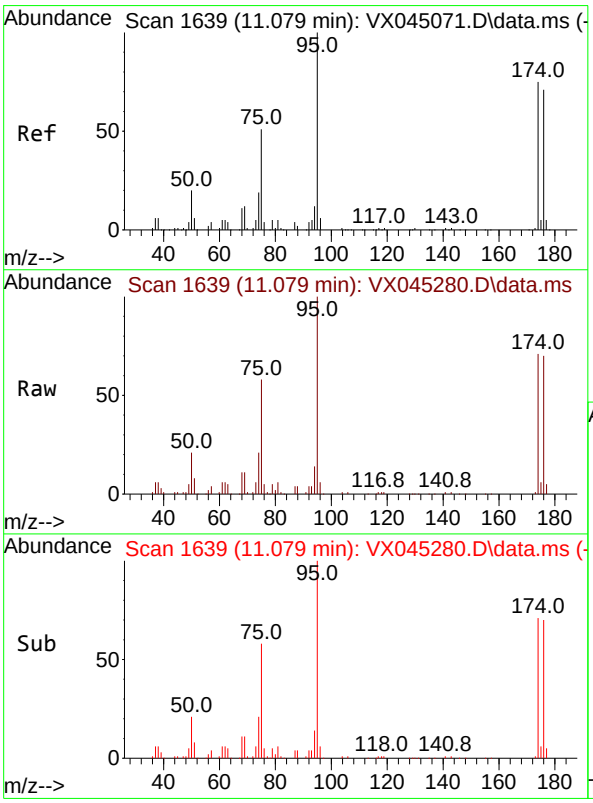
#55
1,1,2-Trichloroethane
Concen: 0.337 ug/l
RT: 9.165 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion: 97 Resp: 310

Ion	Ratio	Lower	Upper
97	100		
83	54.9	69.4	104.2#
85	47.8	44.1	66.1
99	65.9	50.7	76.1

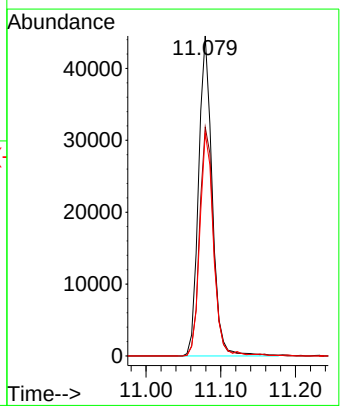


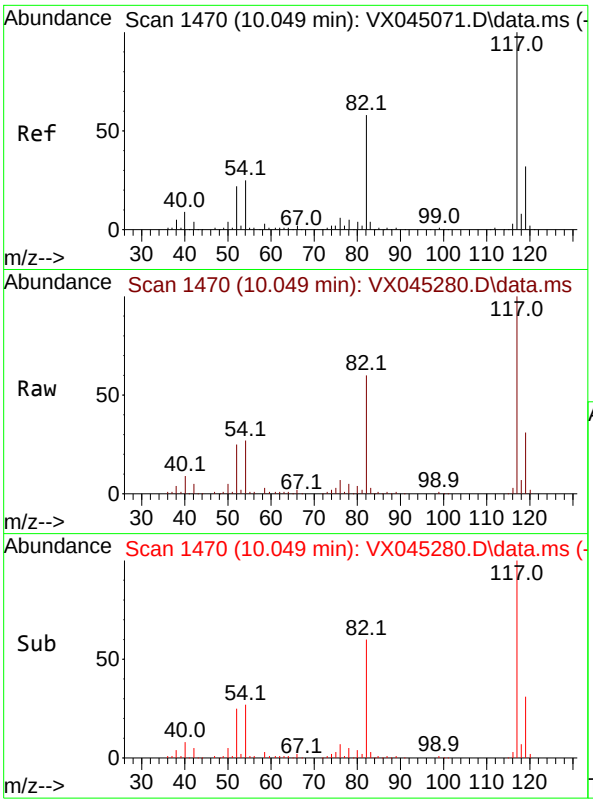


#62
4-Bromofluorobenzene
Concen: 53.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 95 Resp: 56377

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	148.2
176	69.8	0.0	141.4



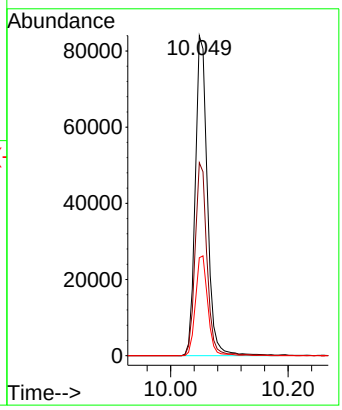


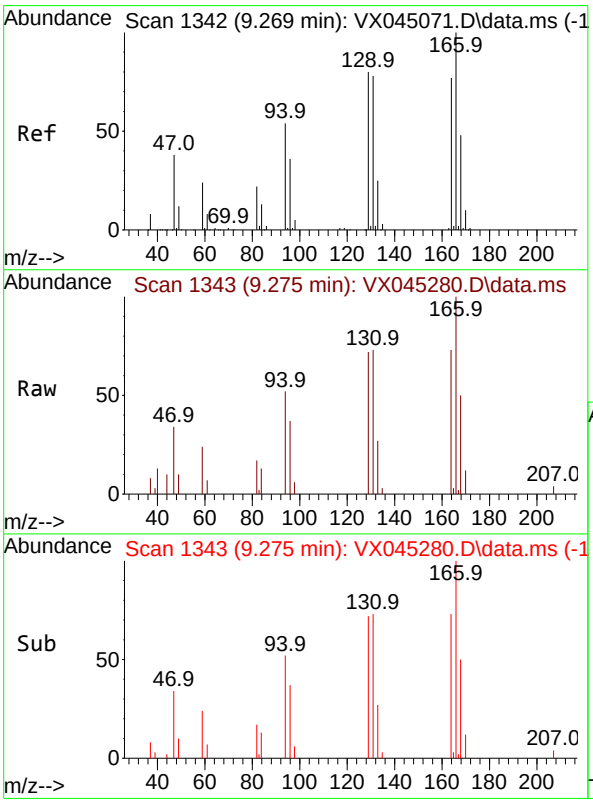
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion:117 Resp: 119805

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	30.6	25.7	38.5

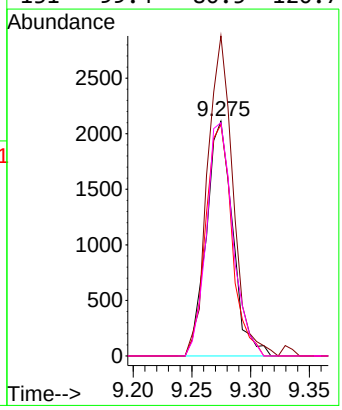


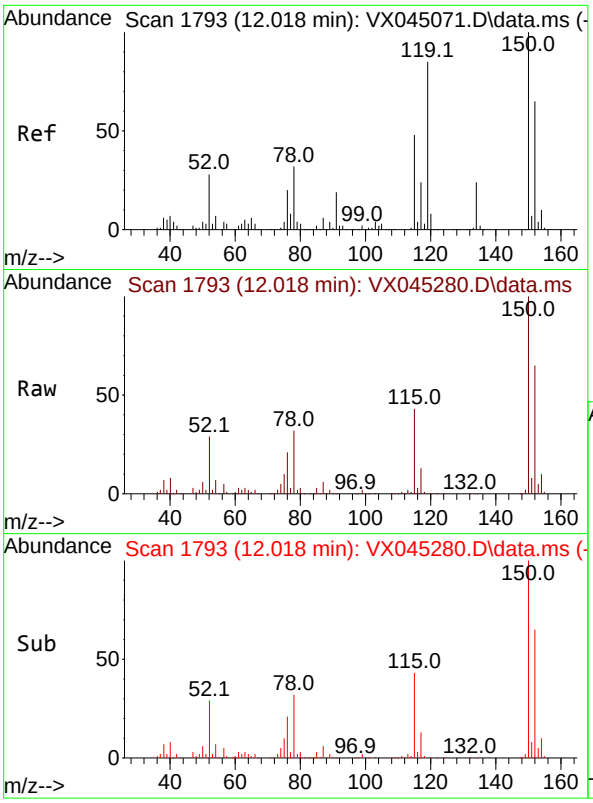


#64
Tetrachloroethene
Concen: 4.289 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:164 Resp: 3291

Ion	Ratio	Lower	Upper
164	100		
166	136.4	103.6	155.4
129	98.6	82.7	124.1
131	99.4	80.5	120.7



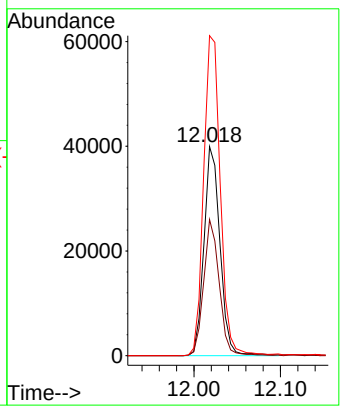


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

Tgt Ion:152 Resp: 51347

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.2	132.6
150	159.8	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-16DL	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
VX045320.D	10		03/18/25 13:17	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
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	10.3	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	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
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	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
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	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
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	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	480	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-16DL	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
VX045320.D	10		03/18/25 13:17	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	3.80	JD	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
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81800	5.544				
540-36-3	1,4-Difluorobenzene	160000	6.757				
3114-55-4	Chlorobenzene-d5	143000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	57400	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RW4-RE137-20250311DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-16DL	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
VX045320.D	10		03/18/25 13:17	VX031825

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\VX031825\
Data File : VX045320.D
Acq On : 18 Mar 2025 13:17
Operator : JC/MD
Sample : Q1559-16DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Quant Time: Mar 19 01:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

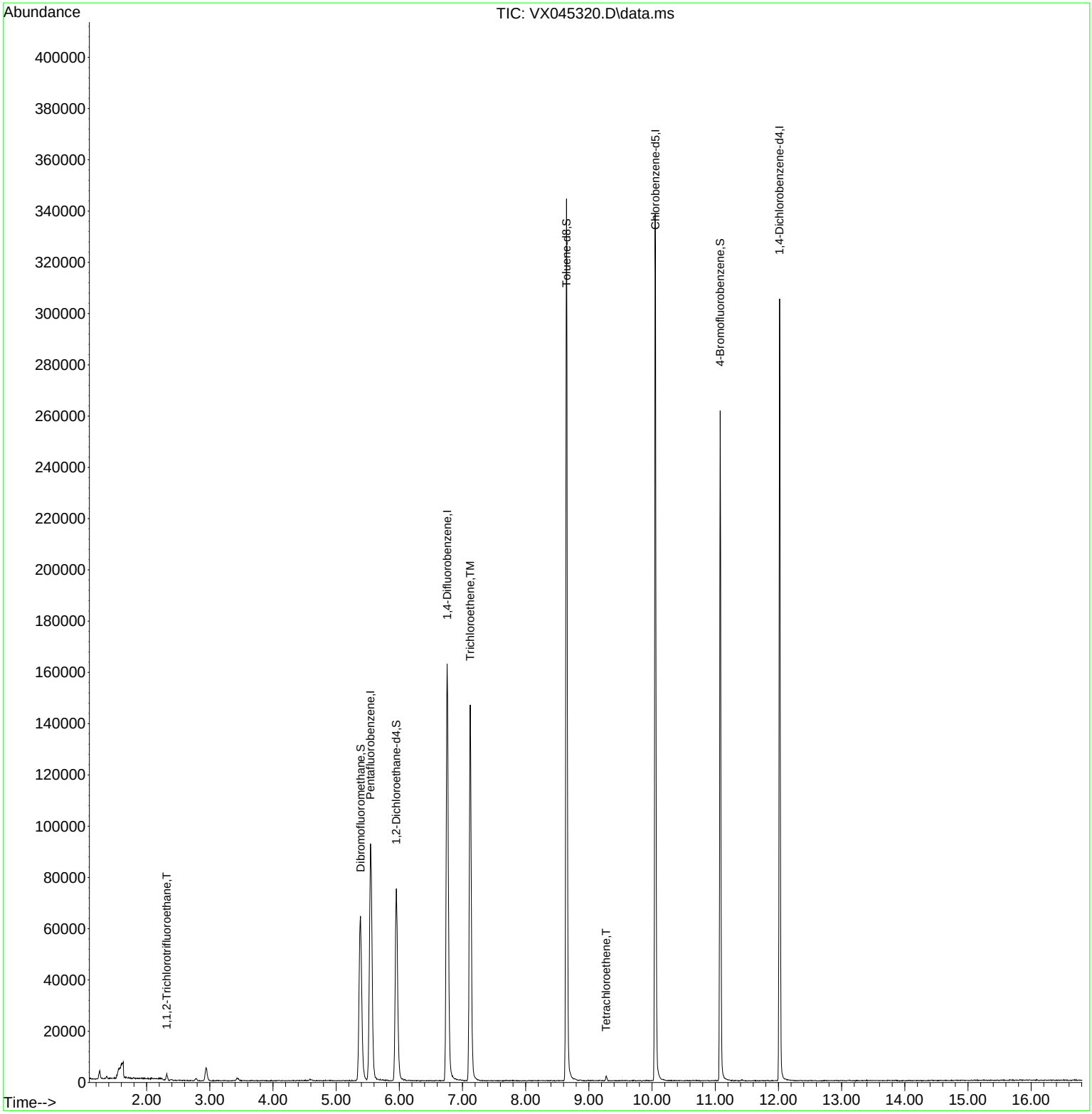
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	81795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159990	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	143282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71452	54.918	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.840%			
35) Dibromofluoromethane	5.385	113	55892	52.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.480%			
50) Toluene-d8	8.647	98	197341	50.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	67449	52.481	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.960%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	976	1.027	ug/l	89
44) Trichloroethene	7.123	130	52371	48.142	ug/l	93
64) Tetrachloroethene	9.275	164	349	0.380	ug/l	91

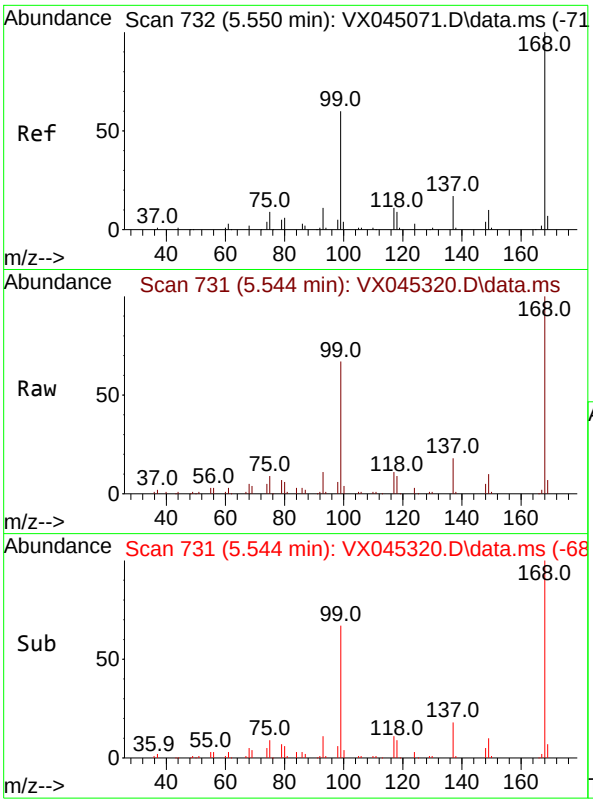
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045320.D
Acq On : 18 Mar 2025 13:17
Operator : JC/MD
Sample : Q1559-16DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Quant Time: Mar 19 01:43:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



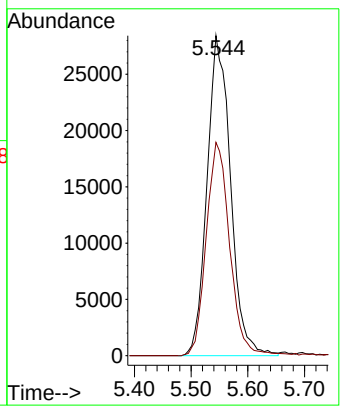


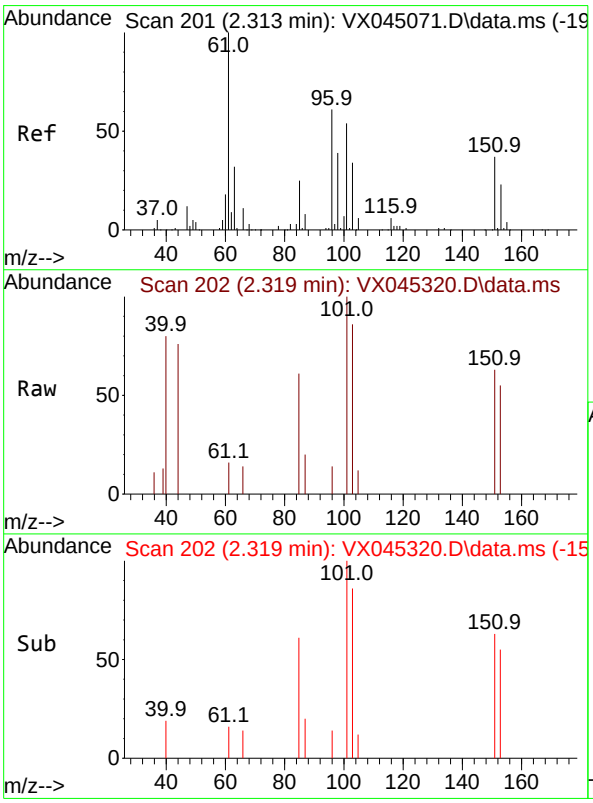
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion:168 Resp: 81795

Ion	Ratio	Lower	Upper
168	100		
99	66.7	48.2	72.4

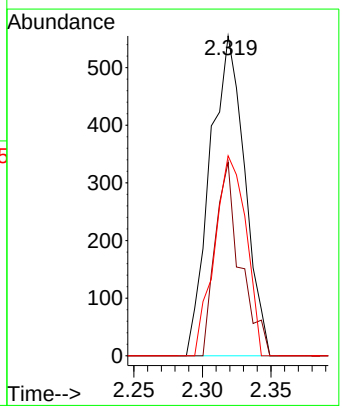


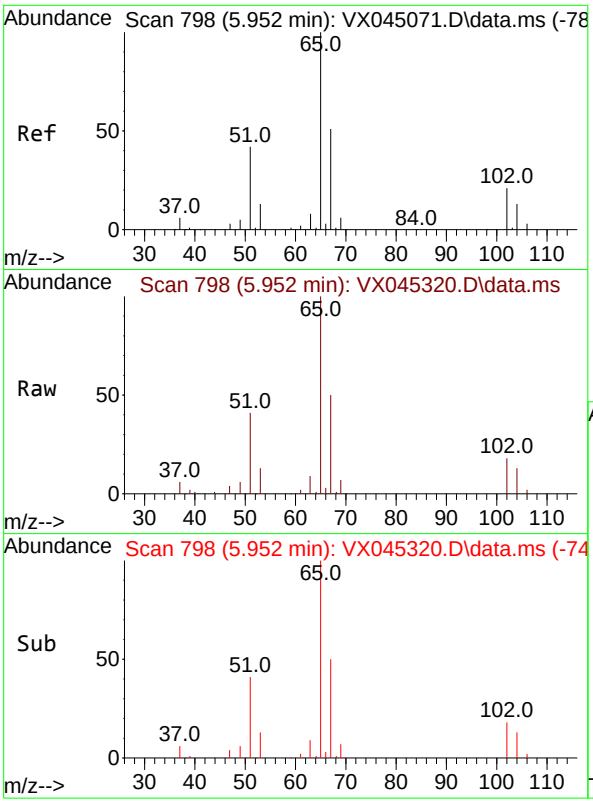


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.027 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Tgt Ion:101 Resp: 976

Ion	Ratio	Lower	Upper
101	100		
85	43.8	36.2	54.4
151	56.8	56.4	84.6



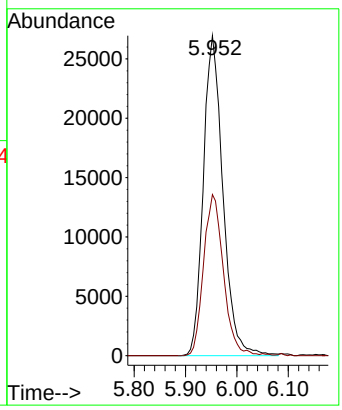


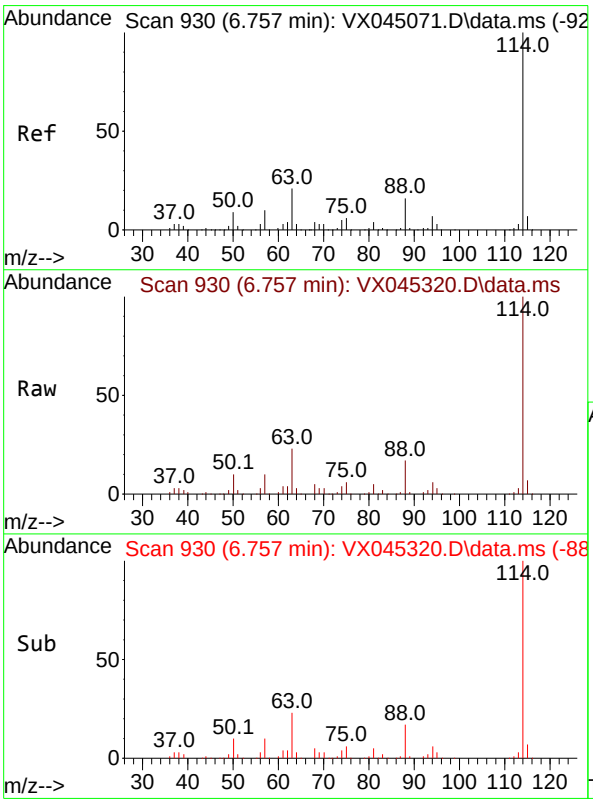
#33
1,2-Dichloroethane-d4
Concen: 54.918 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion: 65 Resp: 71452

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

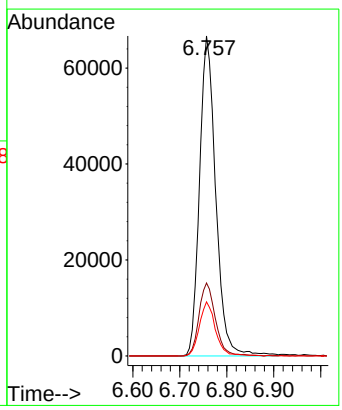


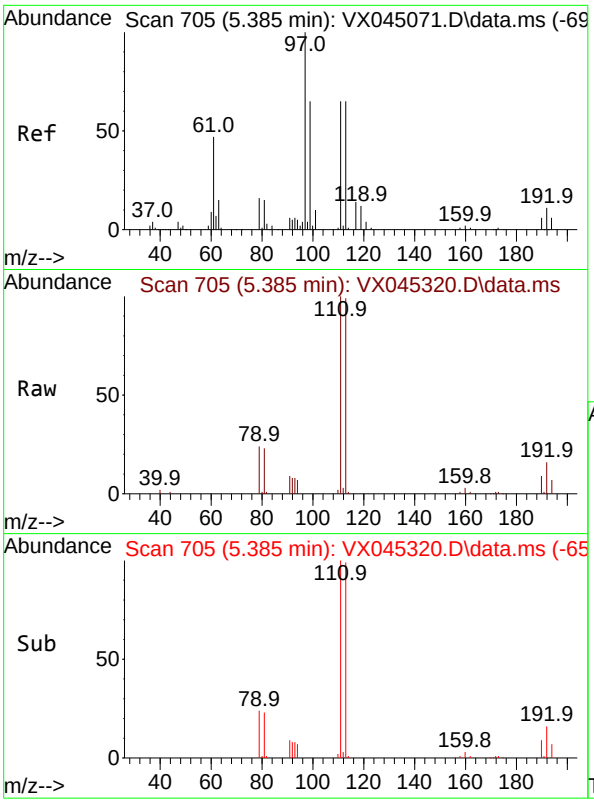


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Tgt Ion:114 Resp: 159990

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.9	0.0	32.8



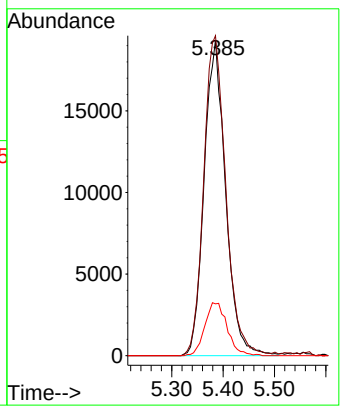


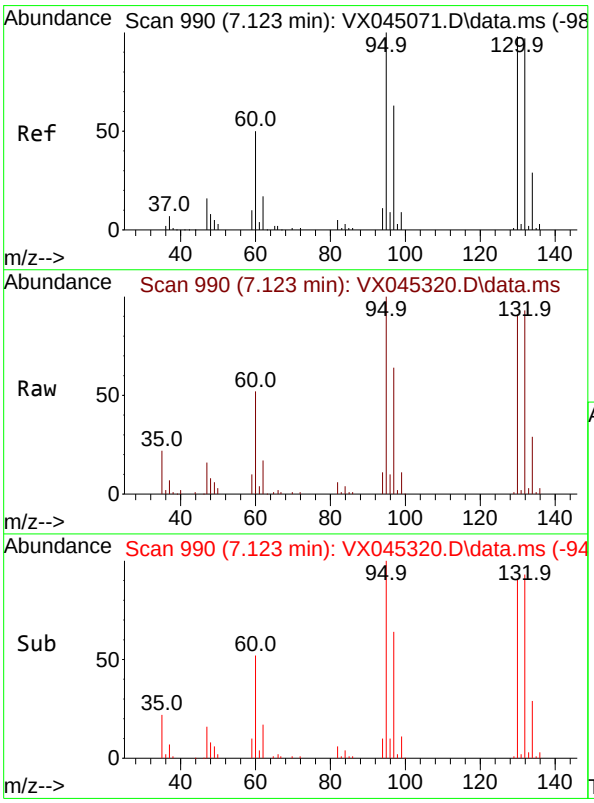
#35
Dibromofluoromethane
Concen: 52.245 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion:113 Resp: 55892

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	17.6	14.3	21.5

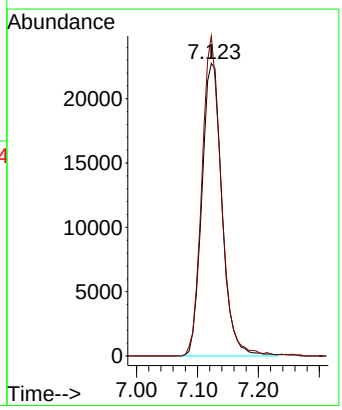


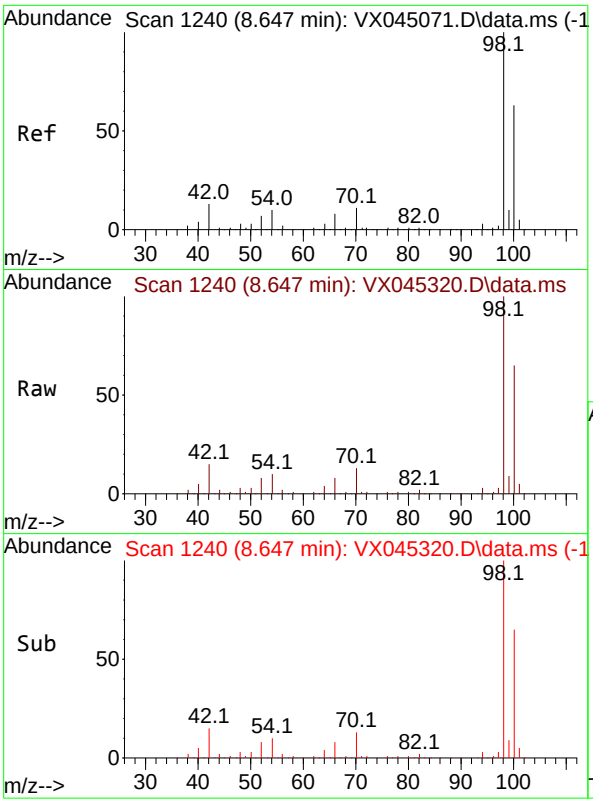


#44
Trichloroethene
Concen: 48.142 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Tgt Ion:130 Resp: 52371

Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	205.0



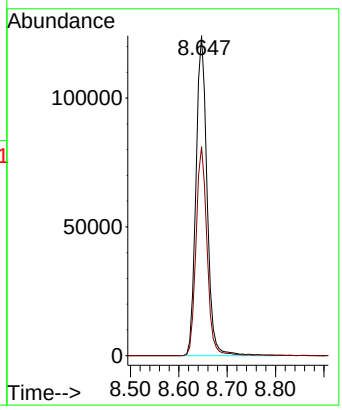


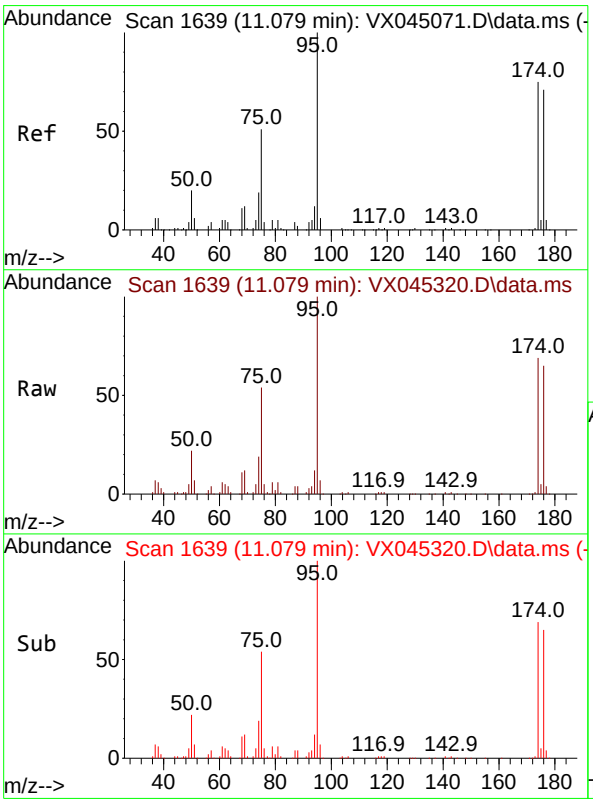
#50
Toluene-d8
Concen: 50.882 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion: 98 Resp: 197341

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

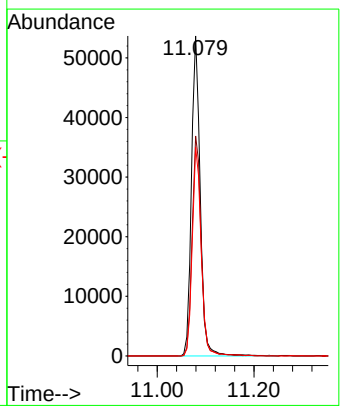


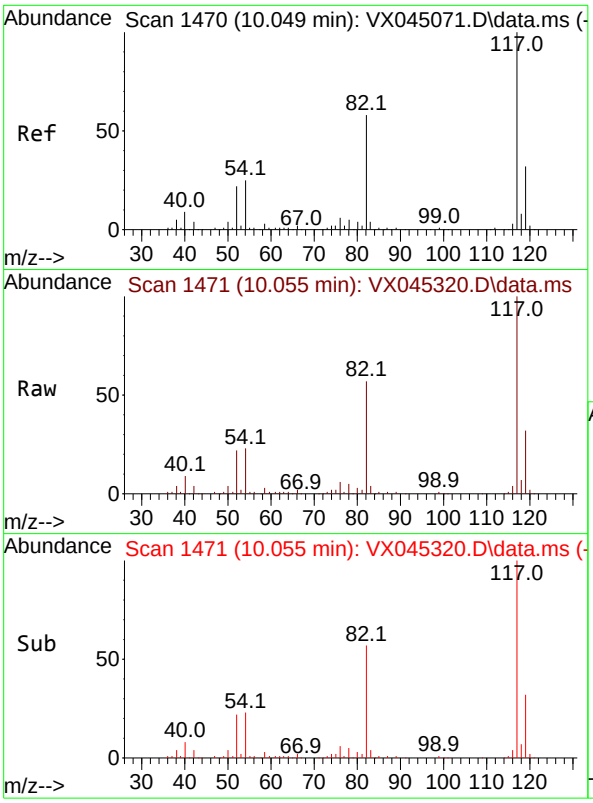


#62
4-Bromofluorobenzene
Concen: 52.481 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Tgt Ion: 95 Resp: 67449

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	148.2
176	66.6	0.0	141.4



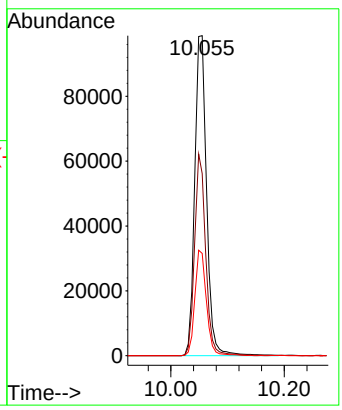


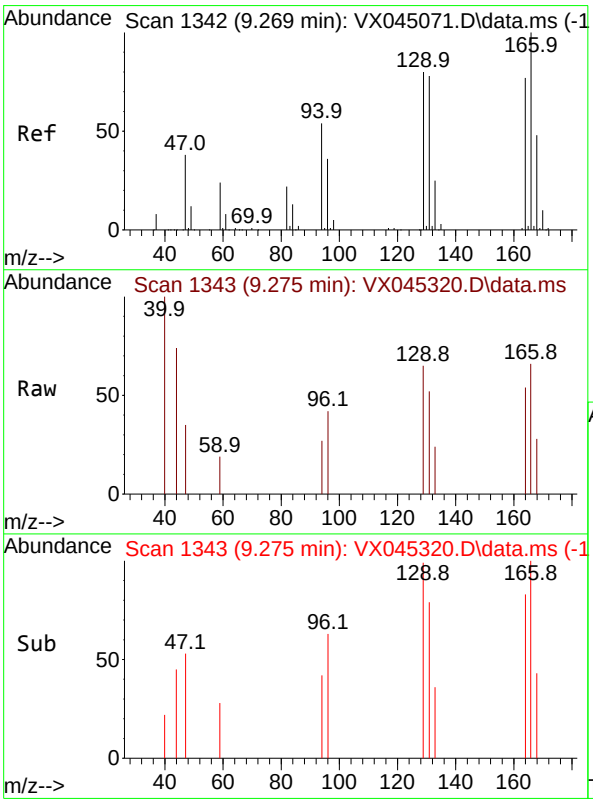
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion:117 Resp: 143282

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.3	69.5
119	32.0	25.7	38.5

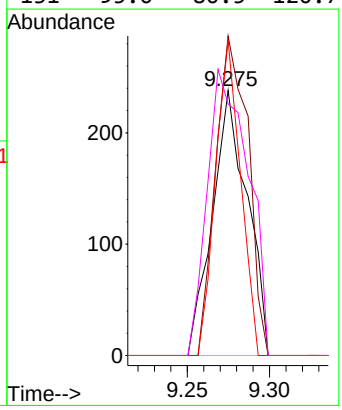


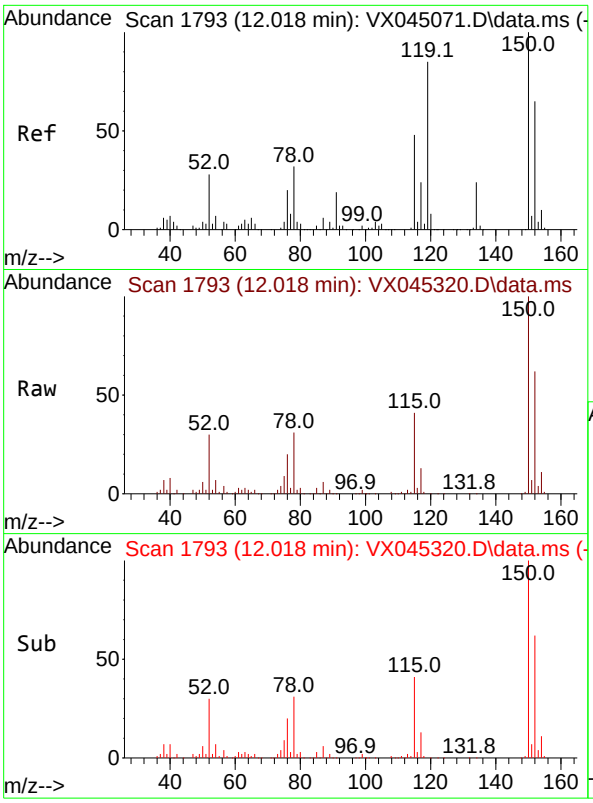


#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Tgt Ion:164 Resp: 349

Ion	Ratio	Lower	Upper
164	100		
166	120.6	103.6	155.4
129	118.9	82.7	124.1
131	95.0	80.5	120.7



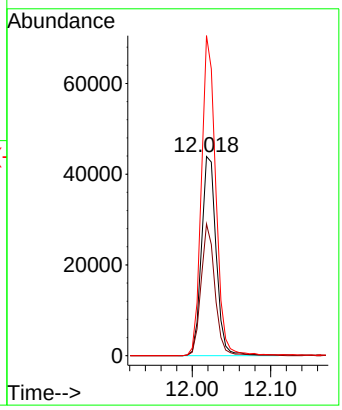


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045320.D
Acq: 18 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311DL

Tgt Ion:152 Resp: 57402

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	156.1	0.0	349.0



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE104D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-17	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
VX045281.D	1		03/13/25 19:48	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	1.30		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	43.6		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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE104D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-17	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
VX045281.D	1		03/13/25 19:48	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	2.80		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71300	5.55				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	51900	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE104D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-17	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
VX045281.D	1		03/13/25 19:48	VX031325

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\VX031325\
Data File : VX045281.D
Acq On : 13 Mar 2025 19:48
Operator : JC/MD
Sample : Q1559-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Quant Time: Mar 15 05:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

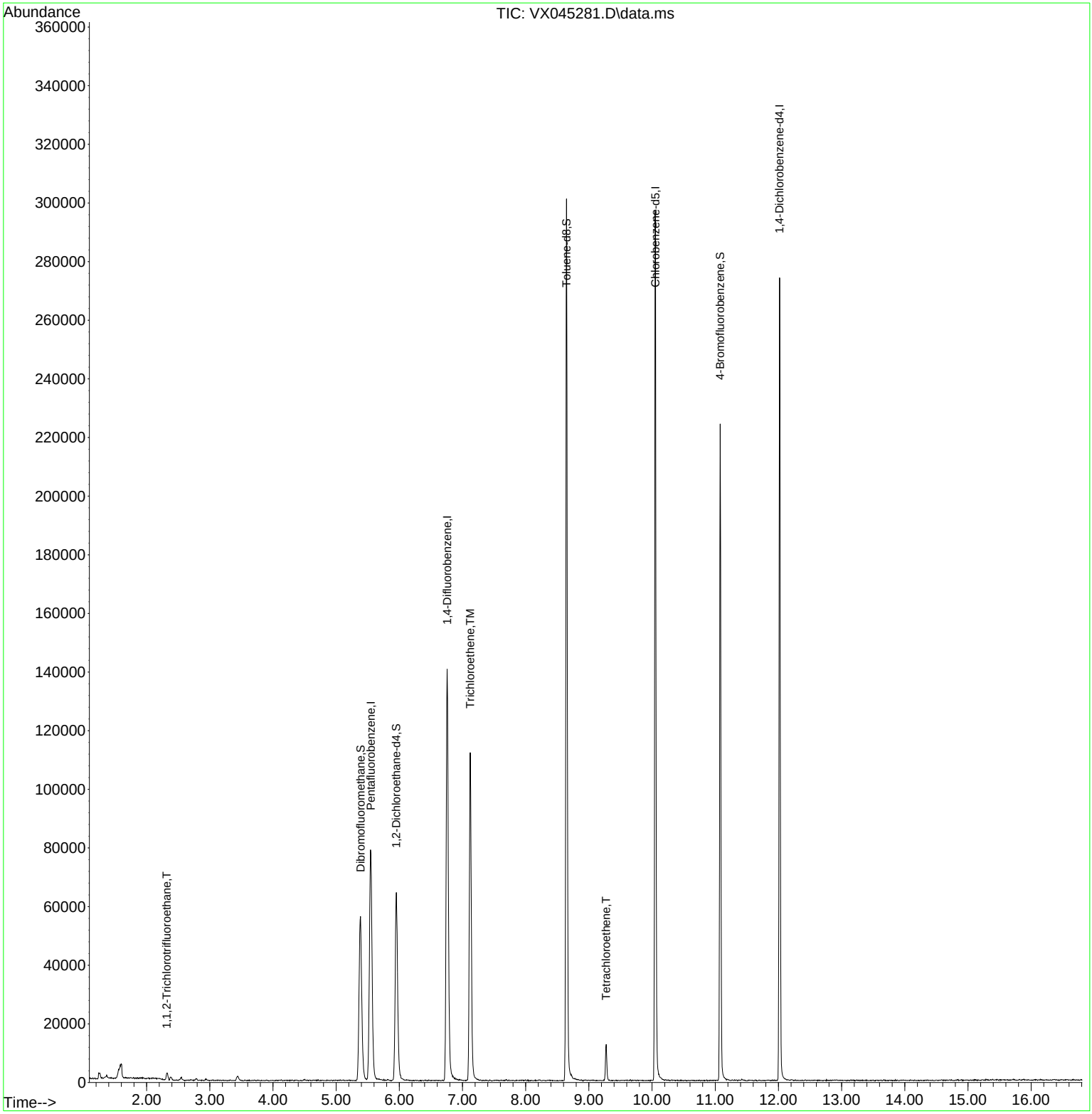
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60978	53.781	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	5.385	113	48880	53.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	8.647	98	172478	51.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	58312	52.671	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.340%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1038	1.253	ug/l	98
44) Trichloroethene	7.123	130	40894	43.640	ug/l	99
64) Tetrachloroethene	9.275	164	2218	2.755	ug/l	96

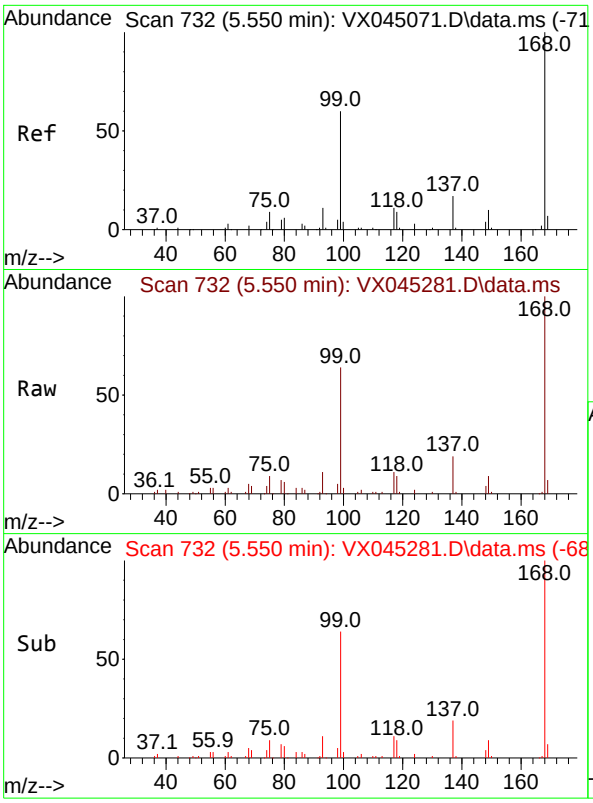
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045281.D
Acq On : 13 Mar 2025 19:48
Operator : JC/MD
Sample : Q1559-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Quant Time: Mar 15 05:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



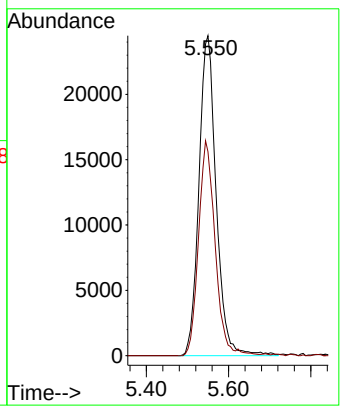


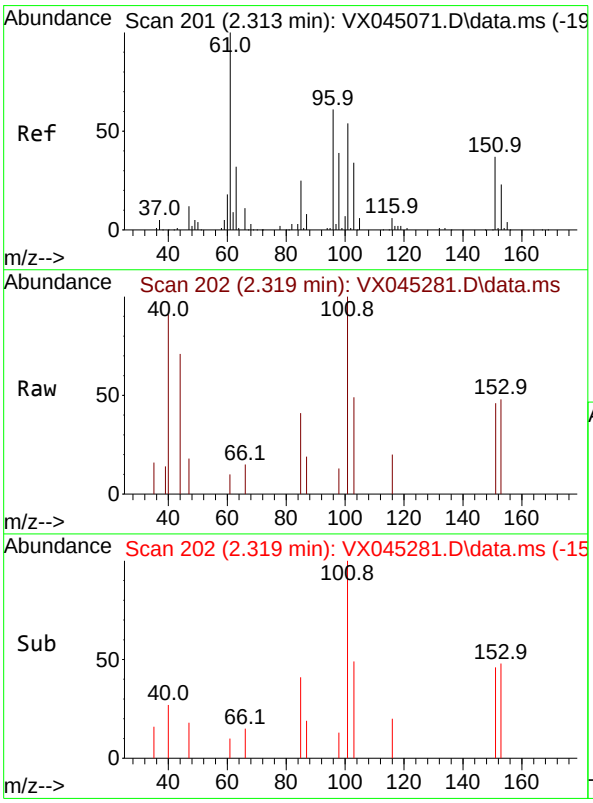
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion:168 Resp: 71280

Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.2	72.4

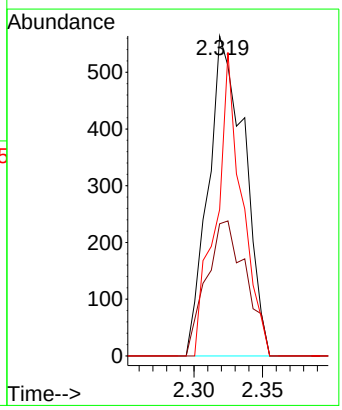


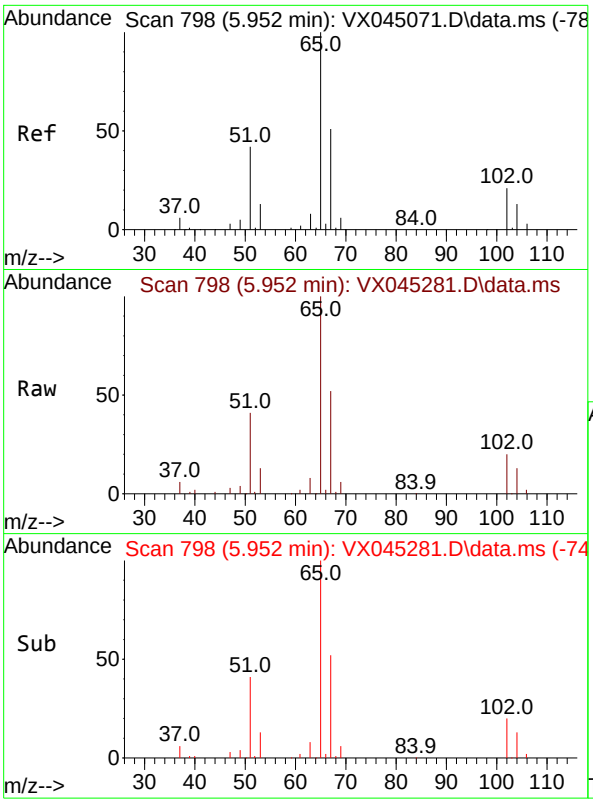


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.253 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:101 Resp: 1038

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	67.8	56.4	84.6



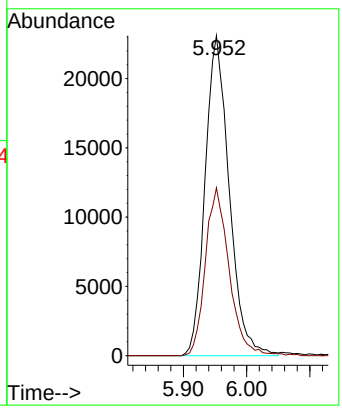


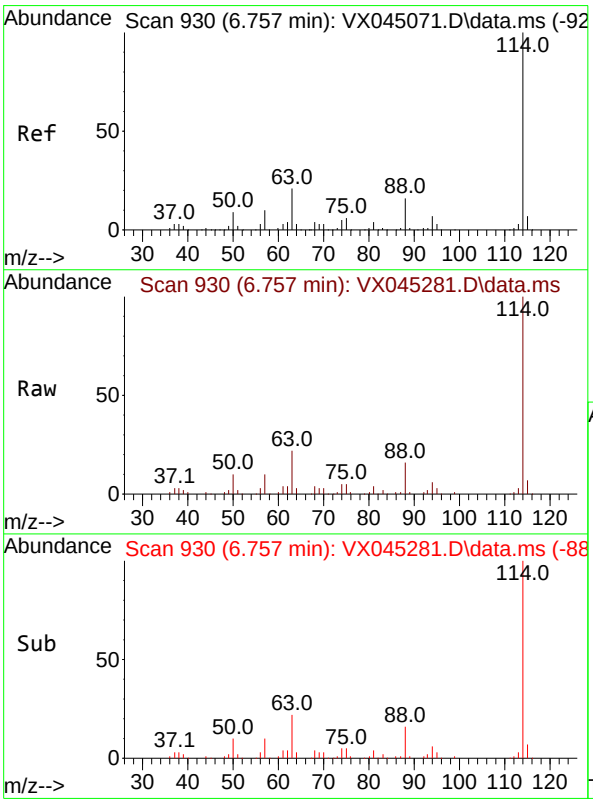
#33
1,2-Dichloroethane-d4
Concen: 53.781 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion: 65 Resp: 60978

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

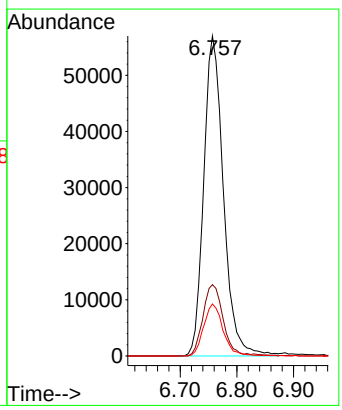


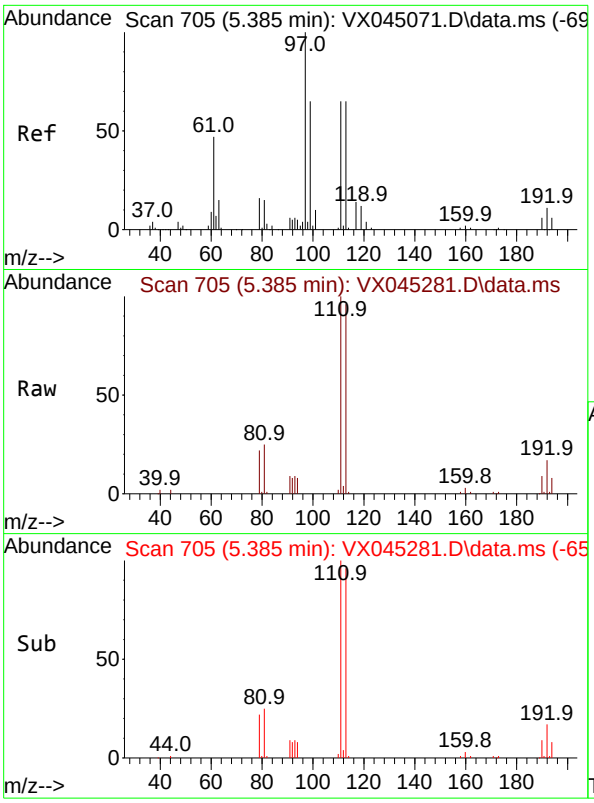


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:114 Resp: 137818

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.3	0.0	32.8



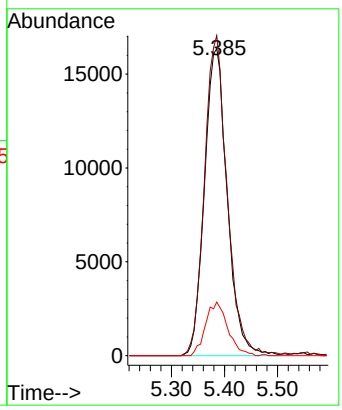


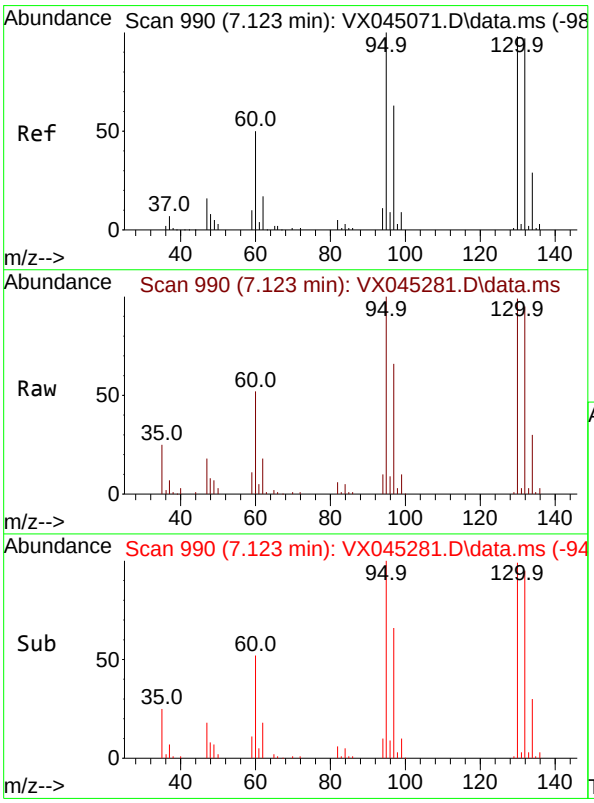
#35
Dibromofluoromethane
Concen: 53.041 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion:113 Resp: 48880

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.0	14.3	21.5

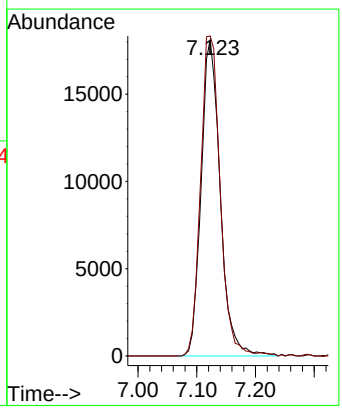


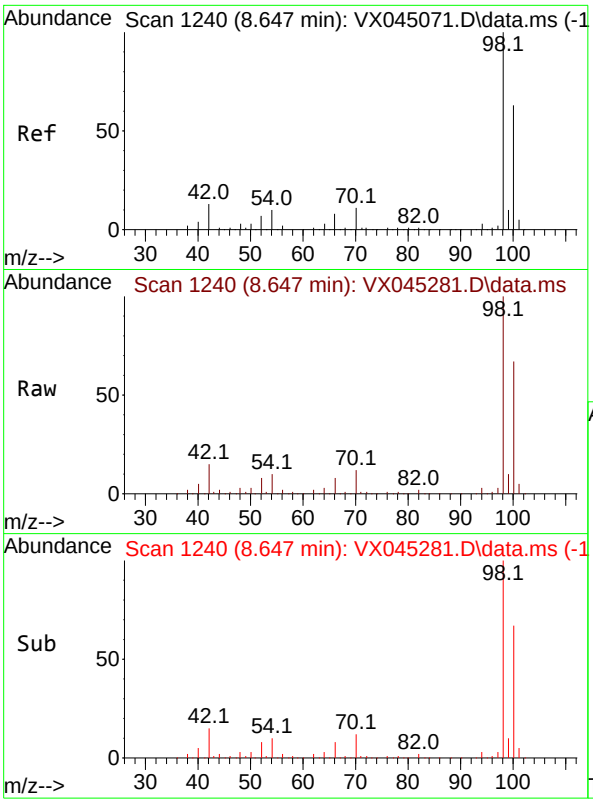


#44
Trichloroethene
Concen: 43.640 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:130 Resp: 40894

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



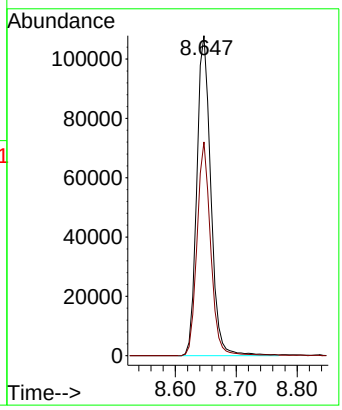


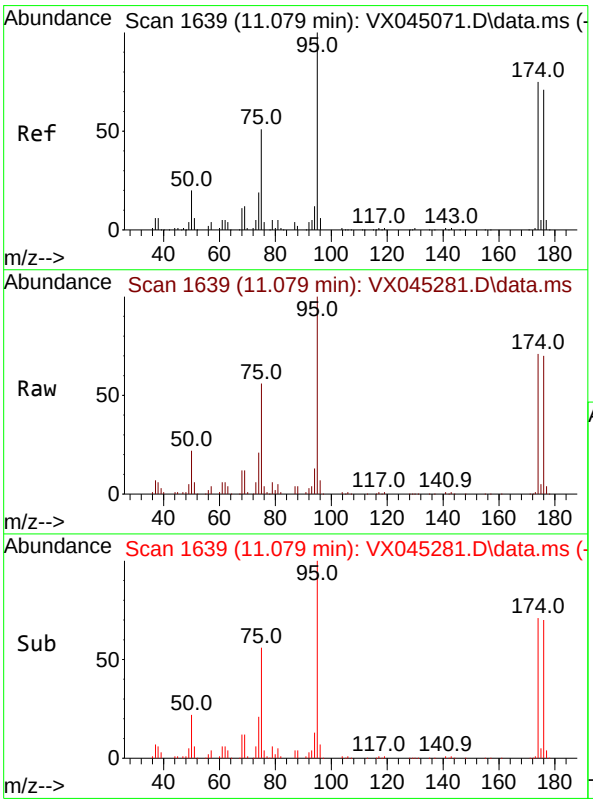
#50
Toluene-d8
Concen: 51.625 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion: 98 Resp: 172478

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

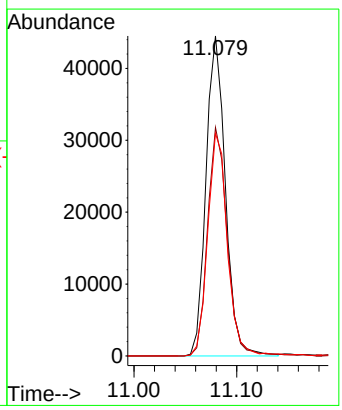


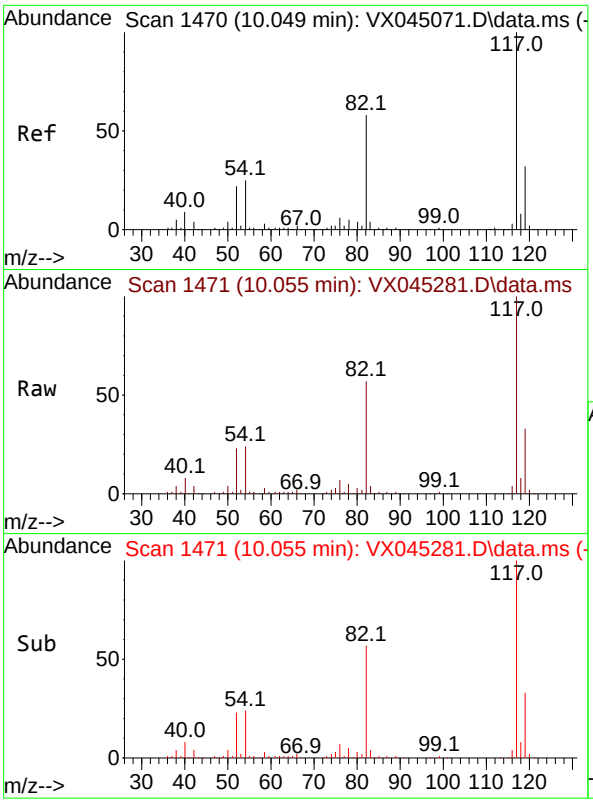


#62
4-Bromofluorobenzene
Concen: 52.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion: 95 Resp: 58312

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	70.9	0.0	141.4



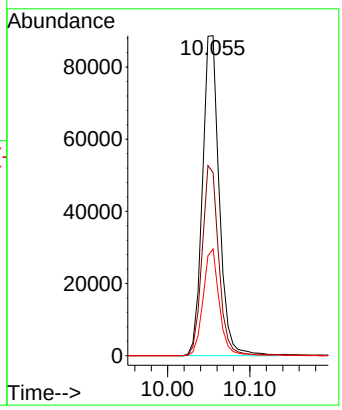


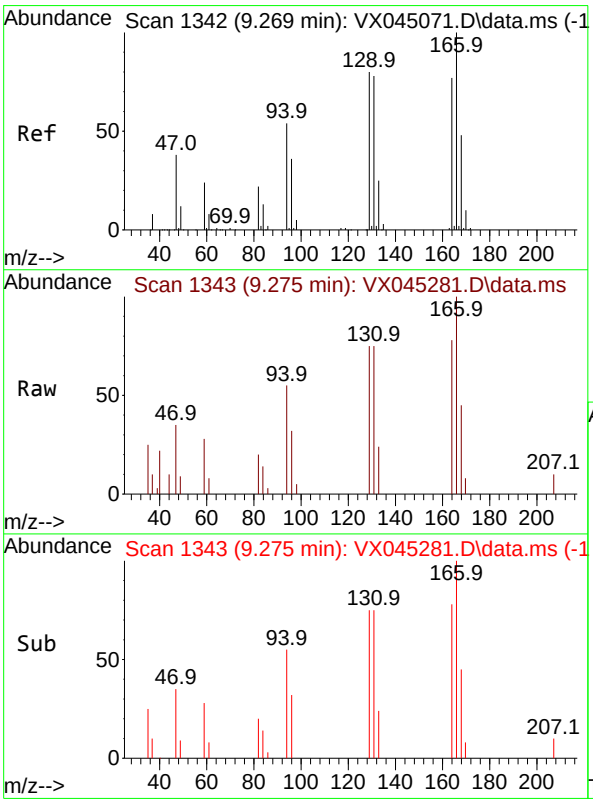
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion:117 Resp: 125719

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.3	69.5
119	33.3	25.7	38.5

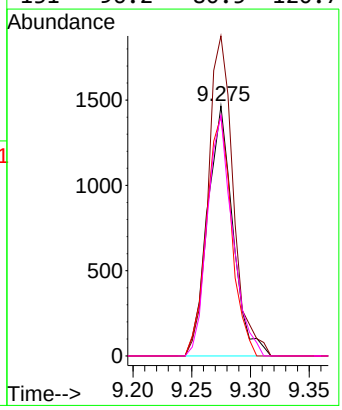


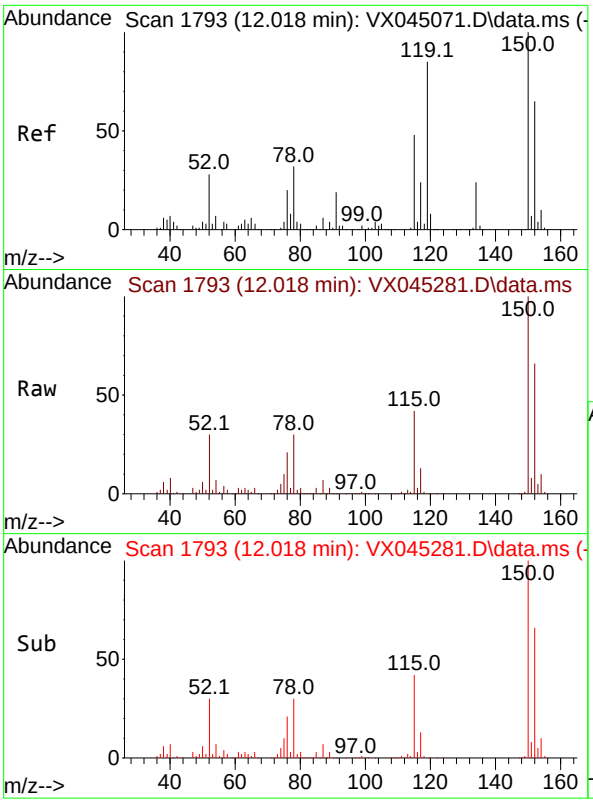


#64
Tetrachloroethene
Concen: 2.755 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:164 Resp: 2218

Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.6	155.4
129	95.9	82.7	124.1
131	96.2	80.5	120.7



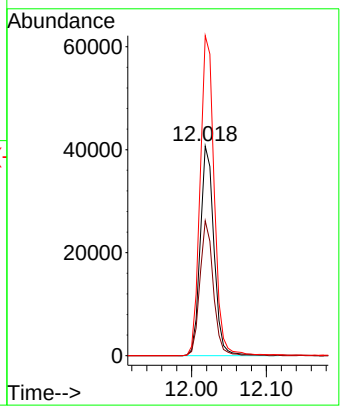


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250312

Tgt Ion:152 Resp: 51927

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.2	132.6
150	157.2	0.0	349.0



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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TB	SDG No.:	Q1559
Lab Sample ID:	Q1559-18	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
VX045267.D	1		03/13/25 14:23	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TB	SDG No.:	Q1559
Lab Sample ID:	Q1559-18	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
VX045267.D	1		03/13/25 14:23	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67500	5.55				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50300	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	TB	SDG No.:	Q1559
Lab Sample ID:	Q1559-18	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
VX045267.D	1		03/13/25 14:23	VX031325

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\VX031325\
Data File : VX045267.D
Acq On : 13 Mar 2025 14:23
Operator : JC/MD
Sample : Q1559-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 14 12:28:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58686	54.692	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.380%			
35) Dibromofluoromethane	5.385	113	46751	52.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.020%			
50) Toluene-d8	8.647	98	167685	51.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	55996	52.349	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.700%			

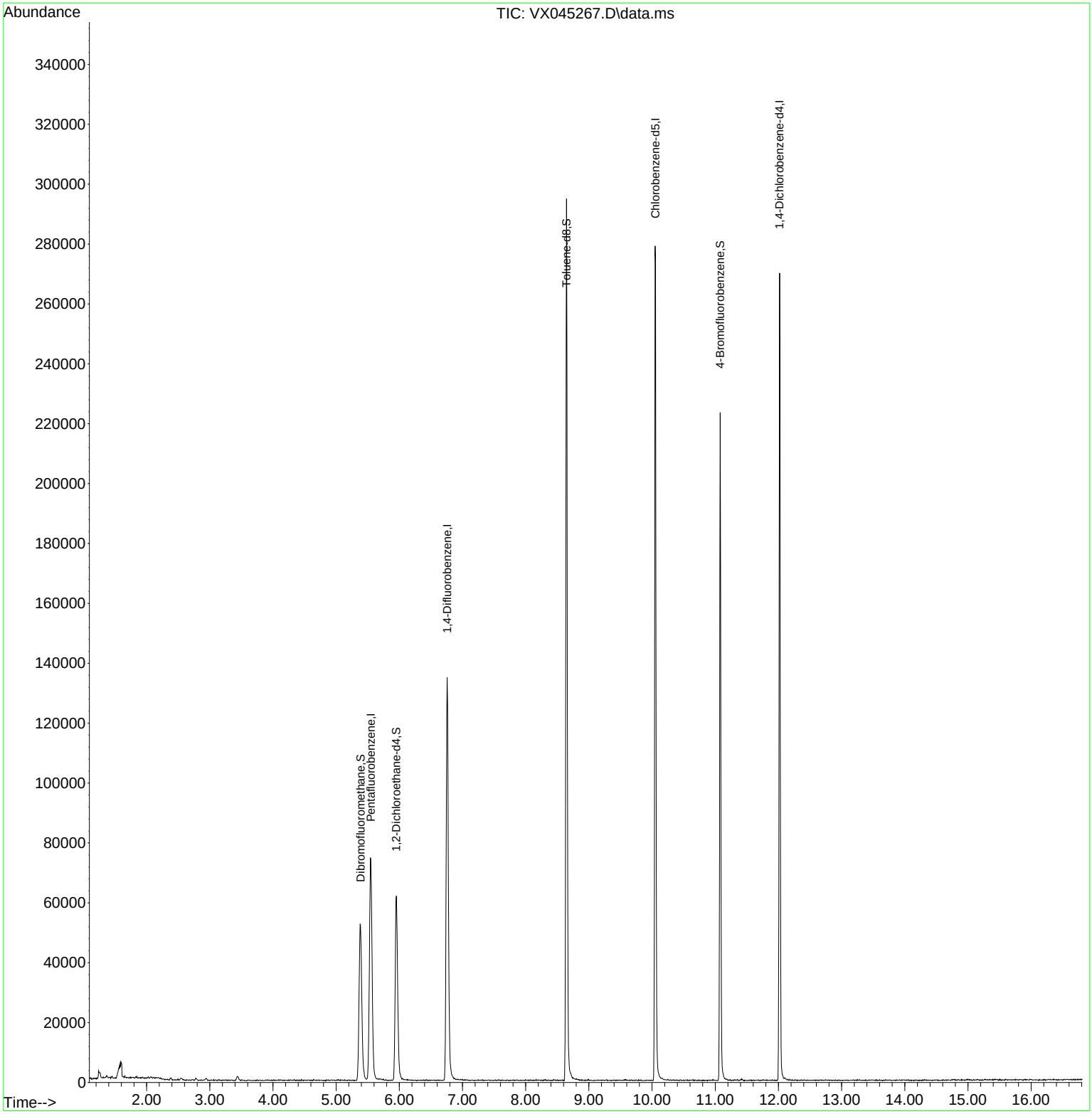
Target Compounds Qvalue

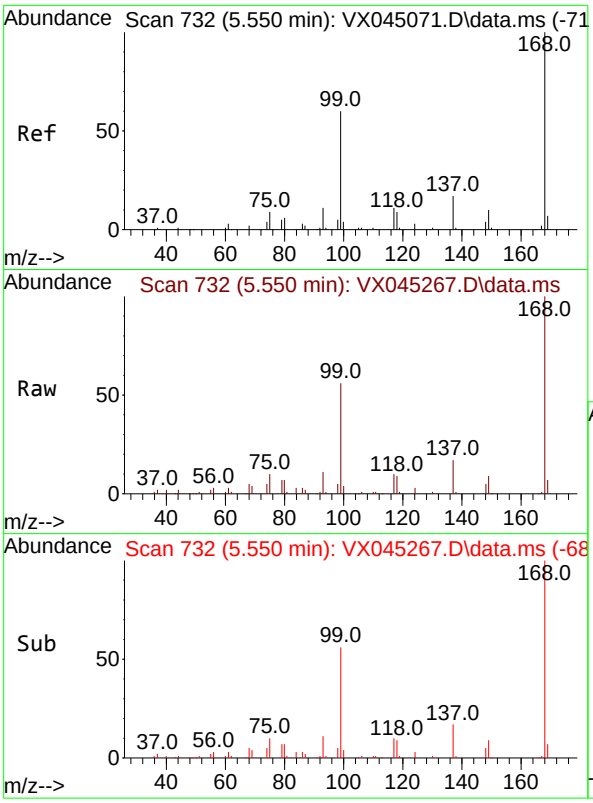
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045267.D
Acq On : 13 Mar 2025 14:23
Operator : JC/MD
Sample : Q1559-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 14 12:28:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



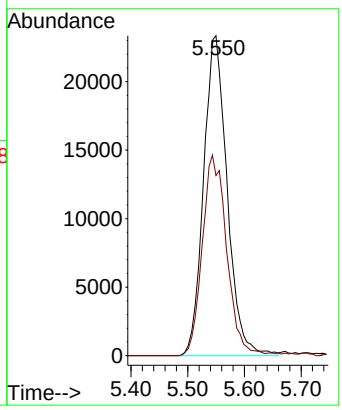


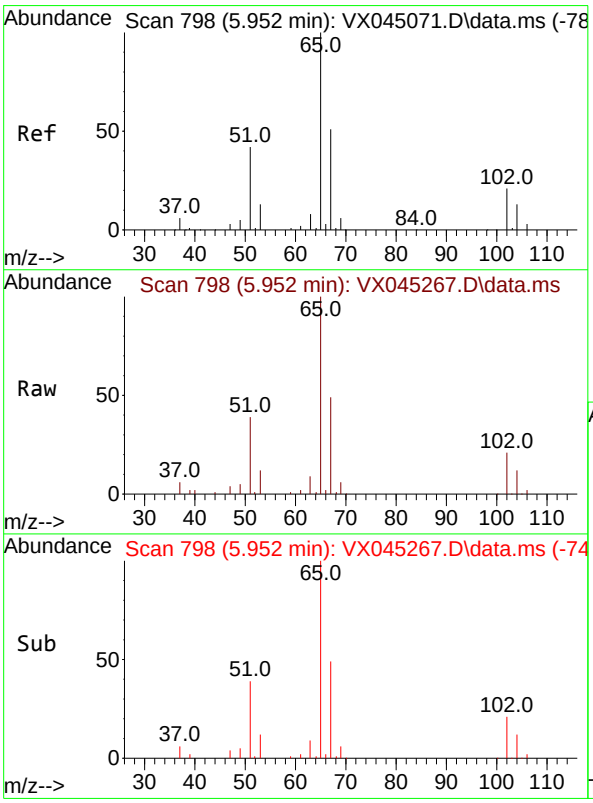
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 67458

Ion	Ratio	Lower	Upper
168	100		
99	56.3	48.2	72.4

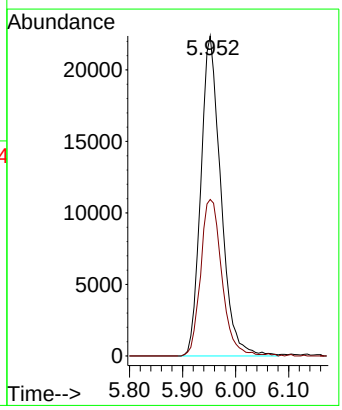


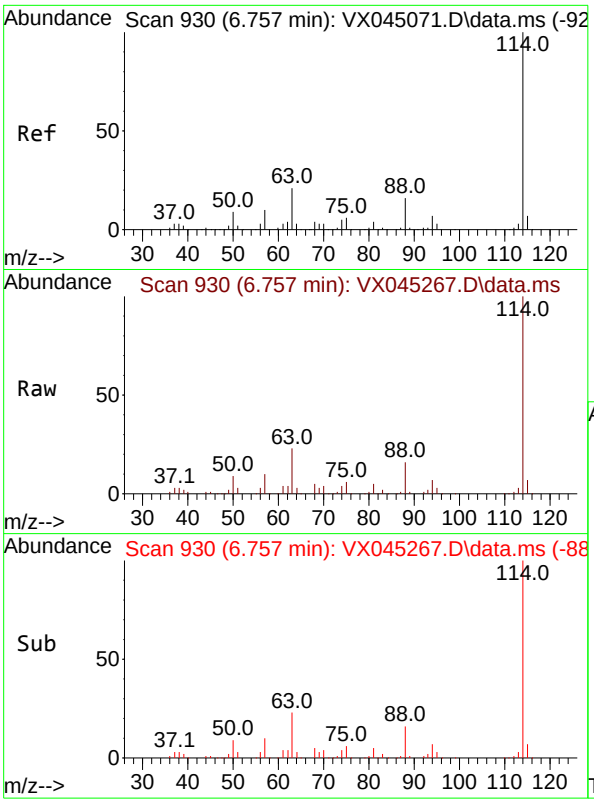


#33
1,2-Dichloroethane-d4
Concen: 54.692 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Tgt Ion: 65 Resp: 58686

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2



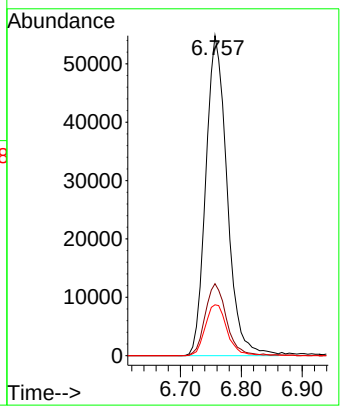


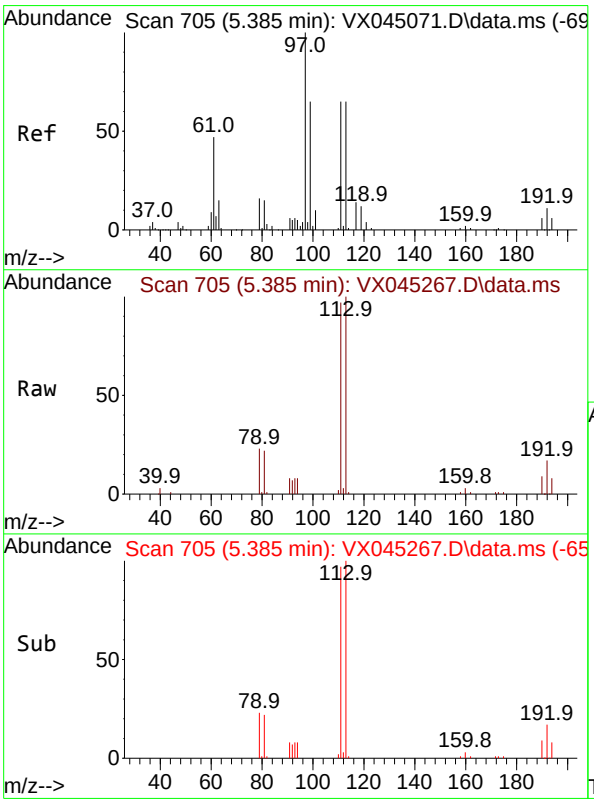
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 133158

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.9	0.0	32.8

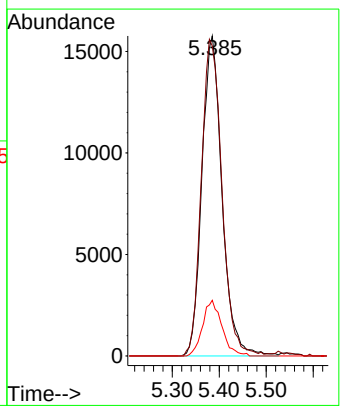


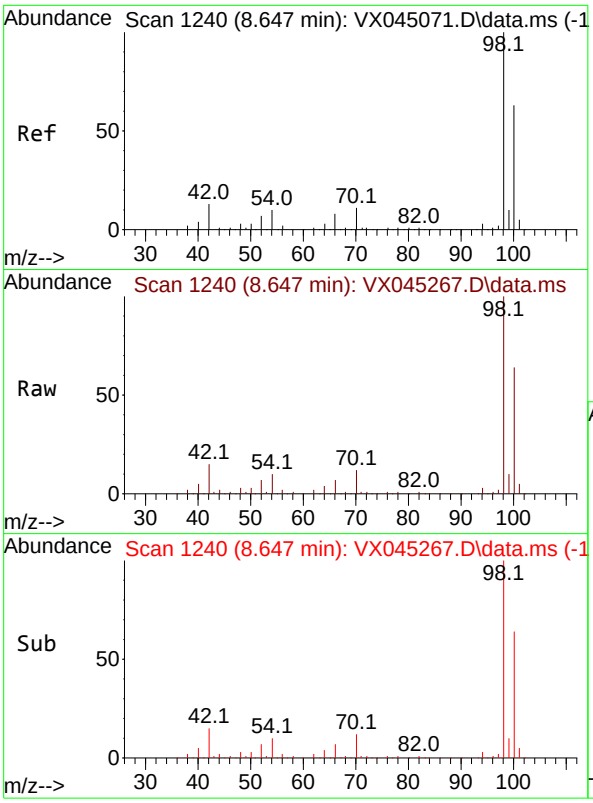


#35
Dibromofluoromethane
Concen: 52.506 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Tgt Ion:113 Resp: 46751

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.8	14.3	21.5



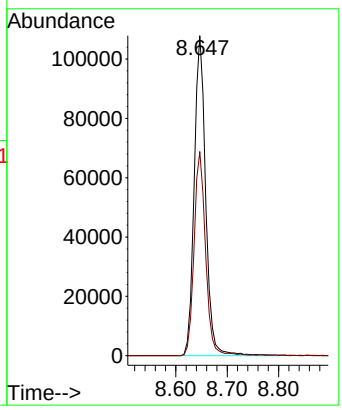


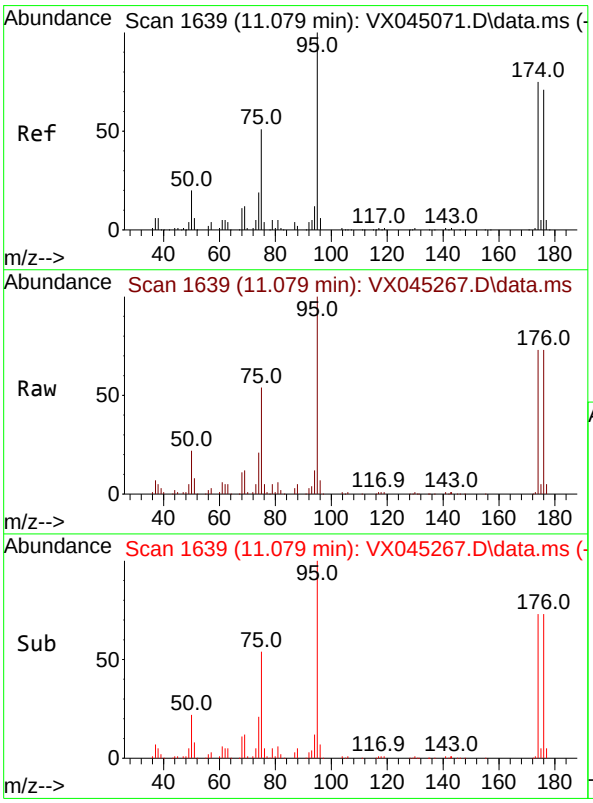
#50
Toluene-d8
Concen: 51.947 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 98 Resp: 167685

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

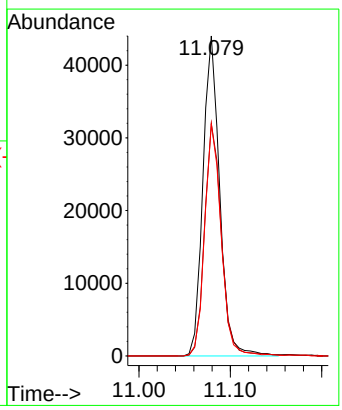


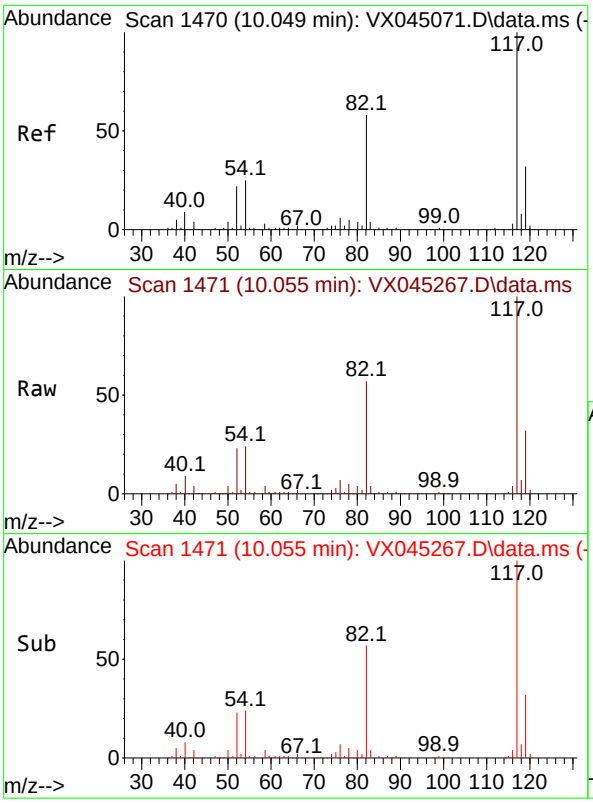


#62
4-Bromofluorobenzene
Concen: 52.349 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Tgt Ion: 95 Resp: 55996

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.2
176	71.4	0.0	141.4



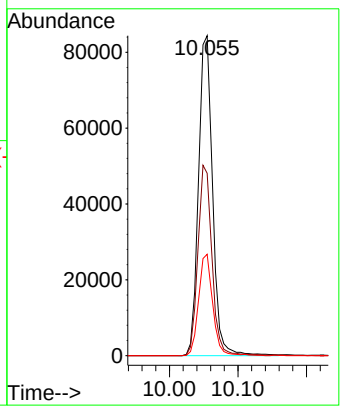


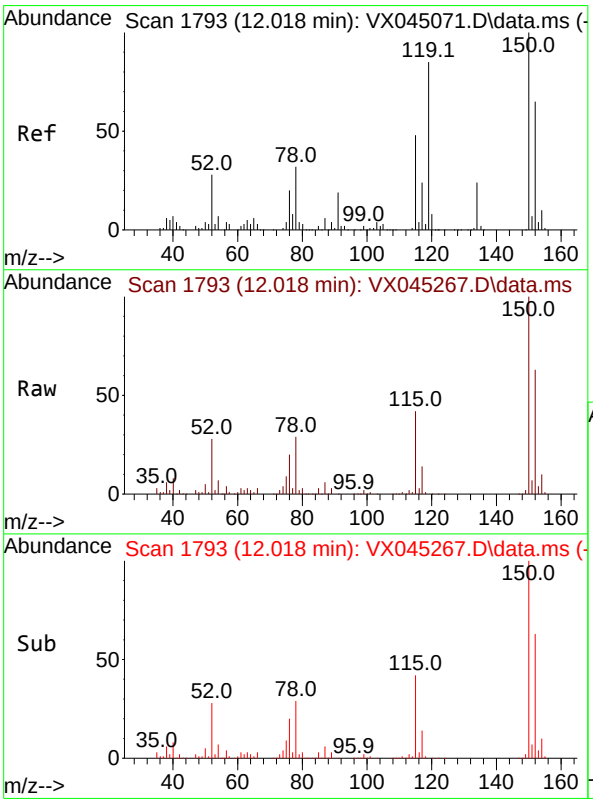
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 121095

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.3	69.5
119	31.7	25.7	38.5

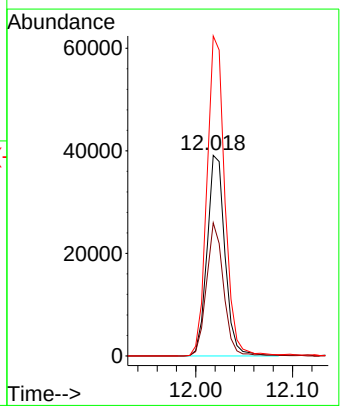




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045267.D
Acq: 13 Mar 2025 14:23

Tgt Ion:152 Resp: 50304

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.2	132.6
150	159.4	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP05-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-19	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
VX045333.D	1		03/18/25 18:20	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	1.60		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	2.30	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	12.7		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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP05-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-19	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
VX045333.D	1		03/18/25 18:20	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.544				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	53300	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	DUP05-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-19	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
VX045333.D	1		03/18/25 18:20	VX031825

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\VX031825\
Data File : VX045333.D
Acq On : 18 Mar 2025 18:20
Operator : JC/MD
Sample : Q1559-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Quant Time: Mar 19 01:48:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

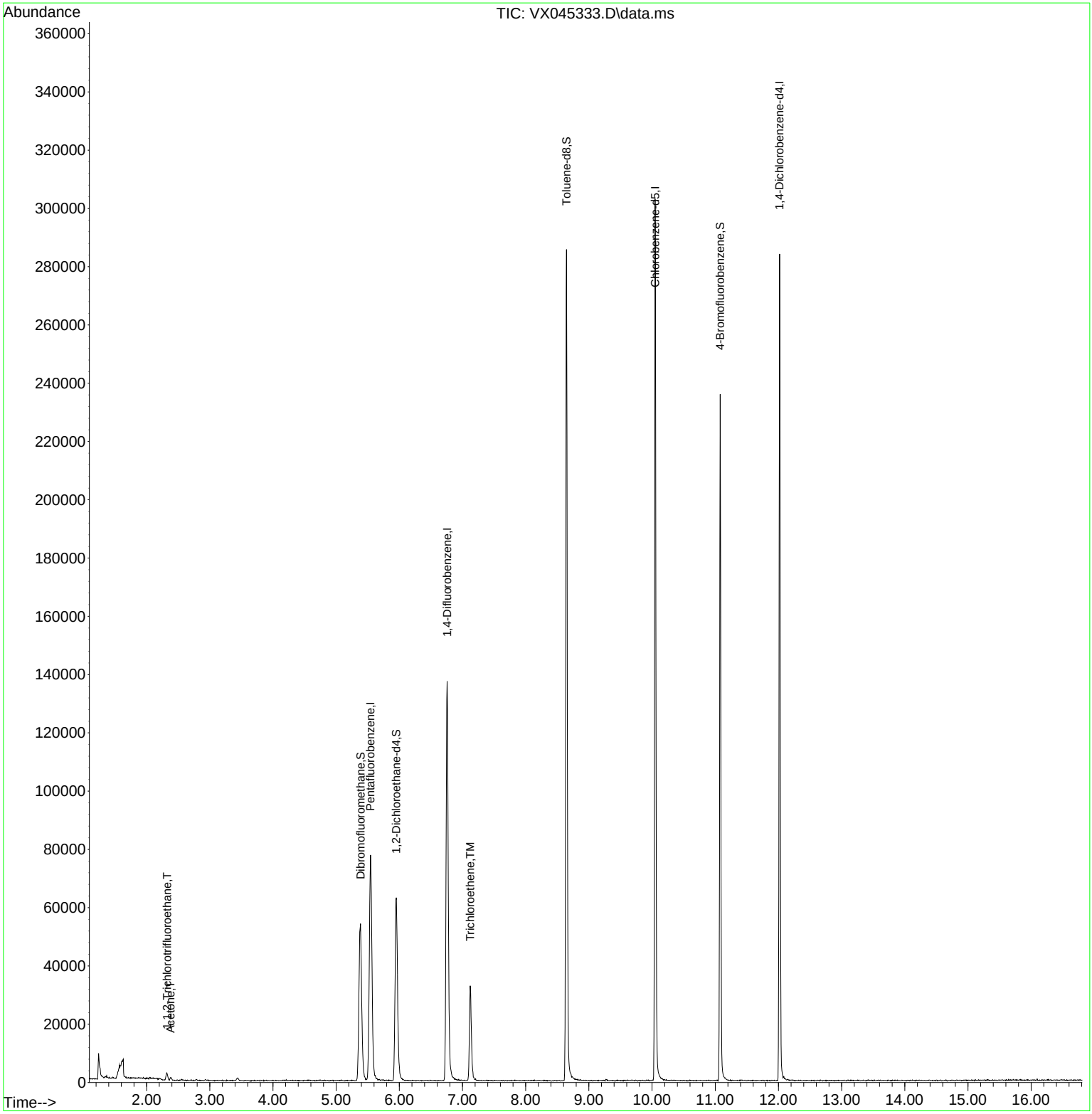
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61840	57.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.660%			
35) Dibromofluoromethane	5.385	113	47336	52.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	172527	52.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.440%			
62) 4-Bromofluorobenzene	11.079	95	59486	54.859	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.720%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	1222	1.551	ug/l	92
16) Acetone	2.380	43	1139	2.276	ug/l	98
44) Trichloroethene	7.123	130	11683	12.729	ug/l	91

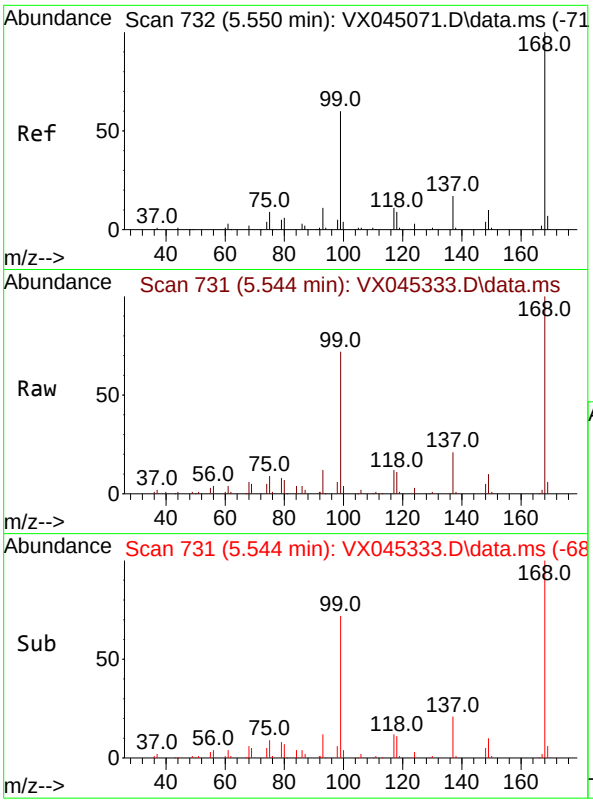
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045333.D
Acq On : 18 Mar 2025 18:20
Operator : JC/MD
Sample : Q1559-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Quant Time: Mar 19 01:48:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



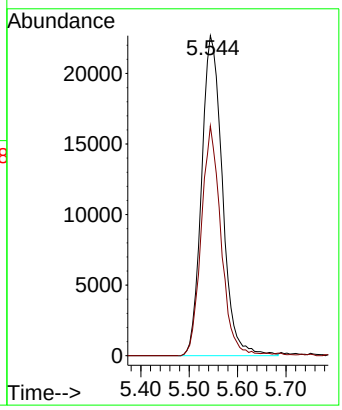


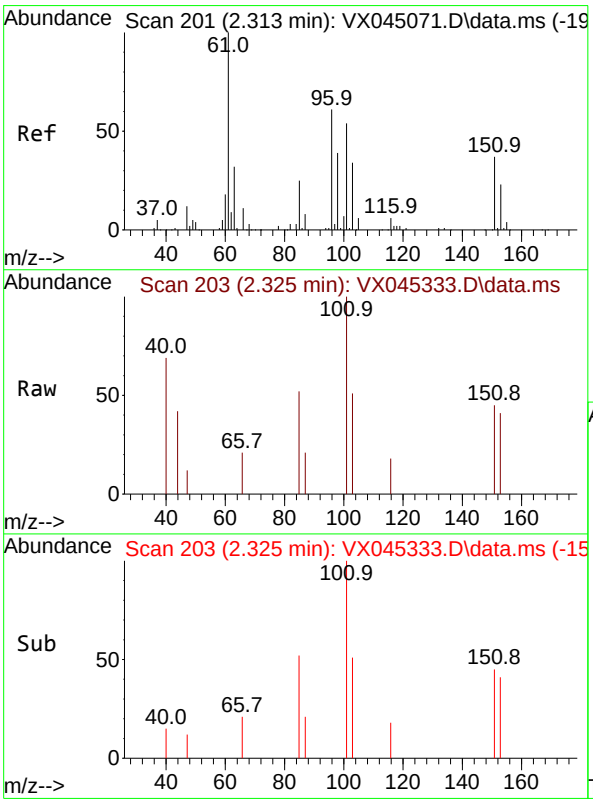
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion:168 Resp: 67809

Ion	Ratio	Lower	Upper
168	100		
99	71.8	48.2	72.4

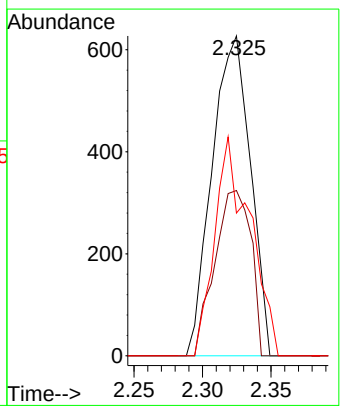


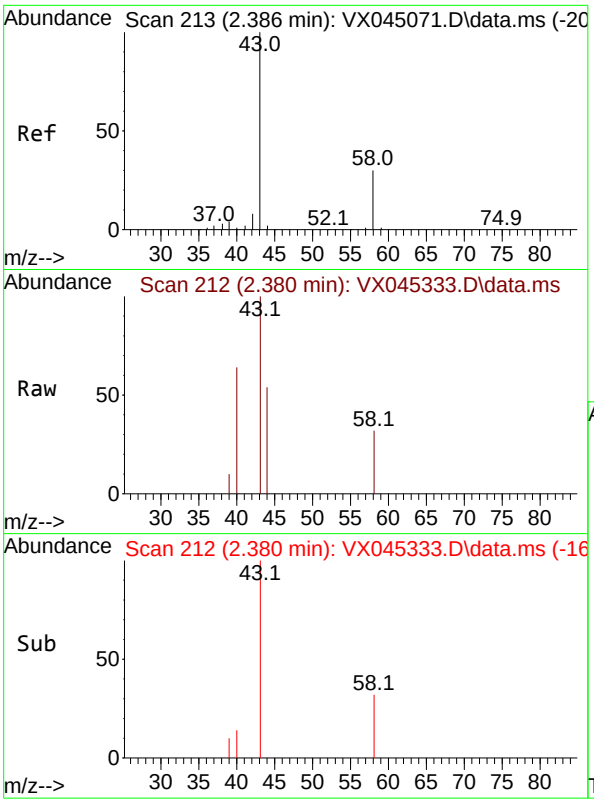


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.551 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Tgt Ion:101 Resp: 1222

Ion	Ratio	Lower	Upper
101	100		
85	48.7	36.2	54.4
151	63.0	56.4	84.6



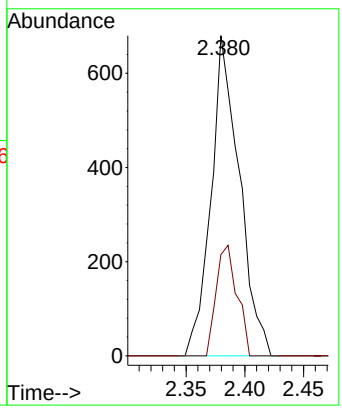


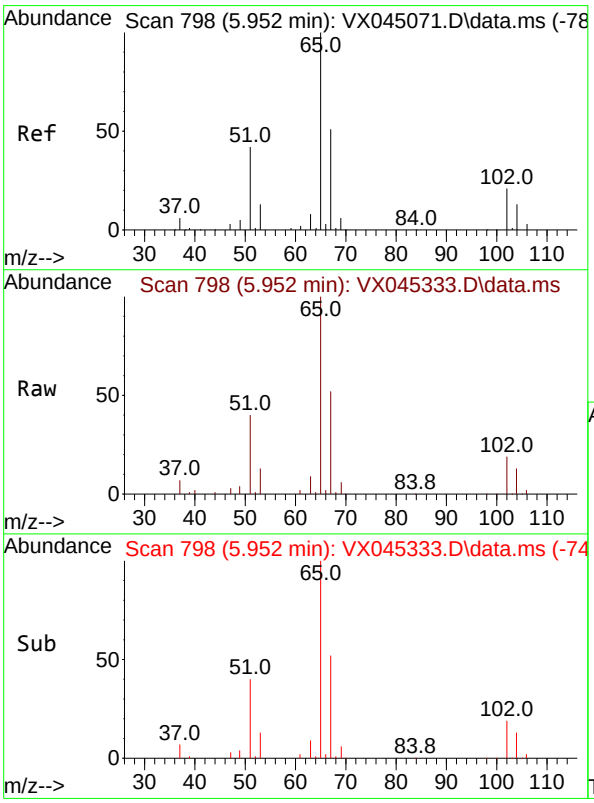
#16
Acetone
Concen: 2.276 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion: 43 Resp: 1139

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4

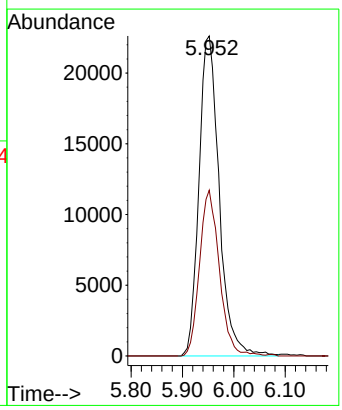


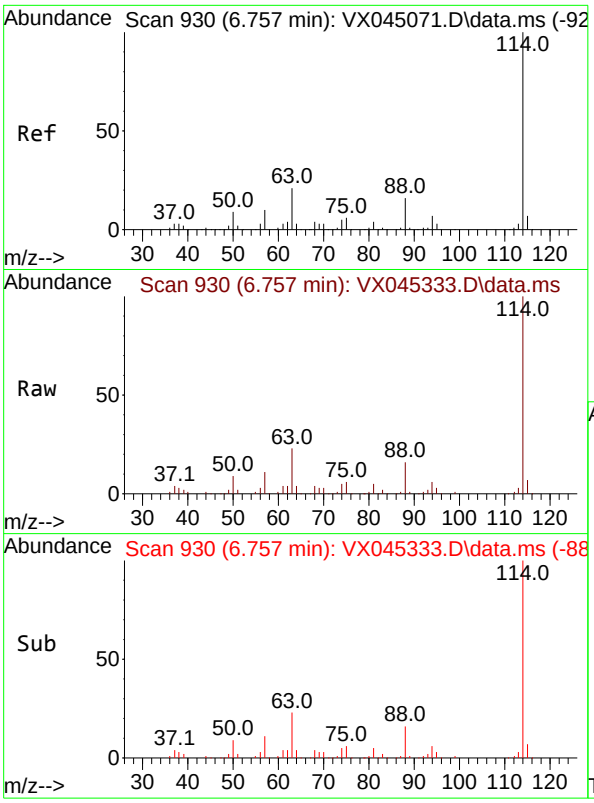


#33
1,2-Dichloroethane-d4
Concen: 57.334 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Tgt Ion: 65 Resp: 61840

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



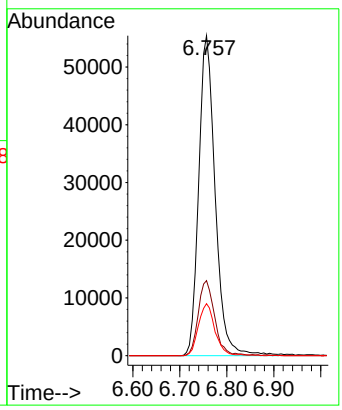


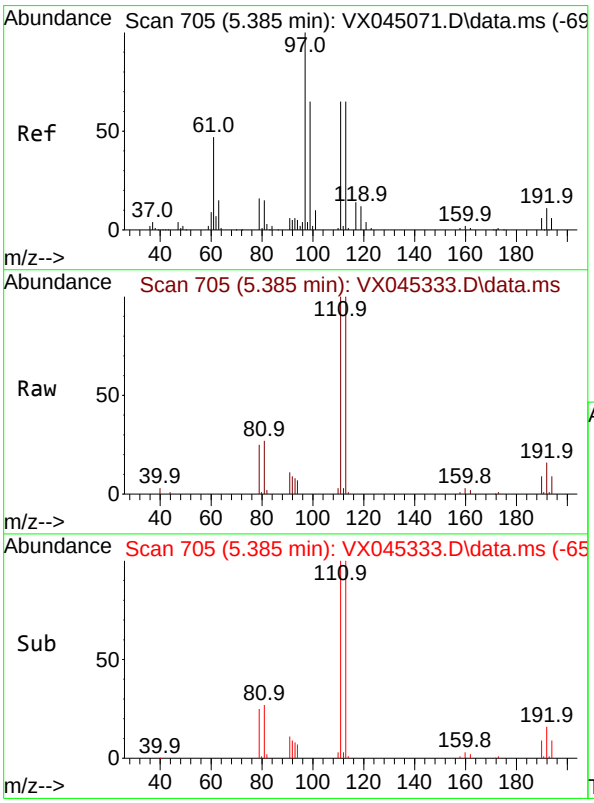
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion:114 Resp: 134986

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	16.3	0.0	32.8

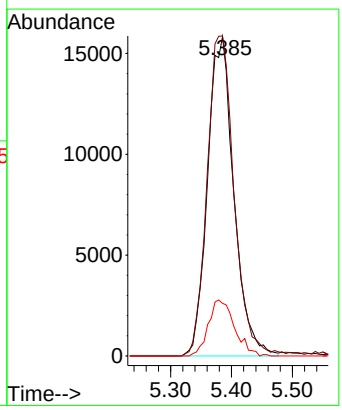


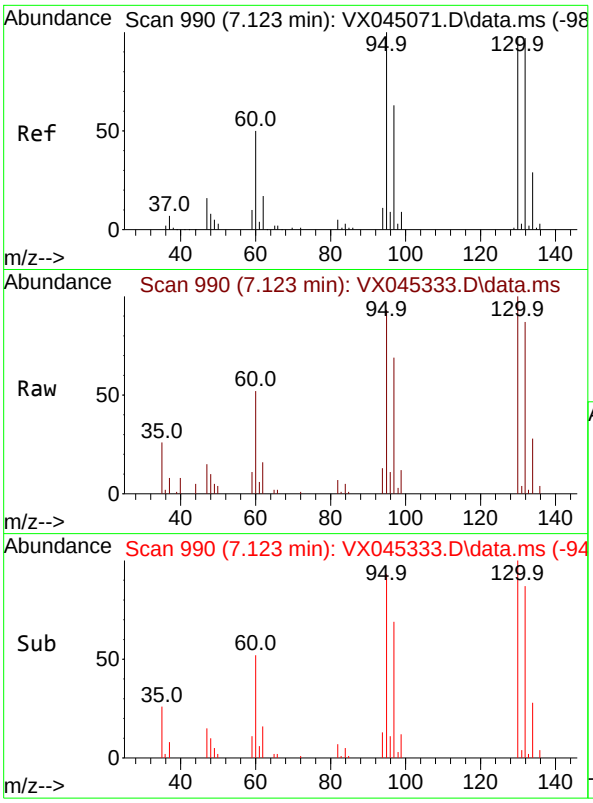


#35
Dibromofluoromethane
Concen: 52.443 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Tgt Ion:113 Resp: 47336

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.5	14.3	21.5



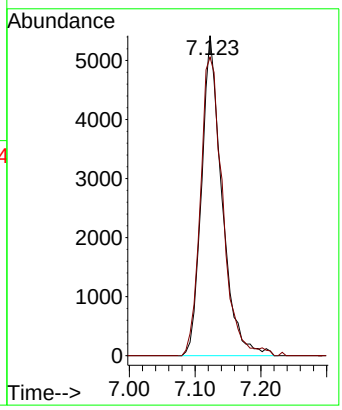


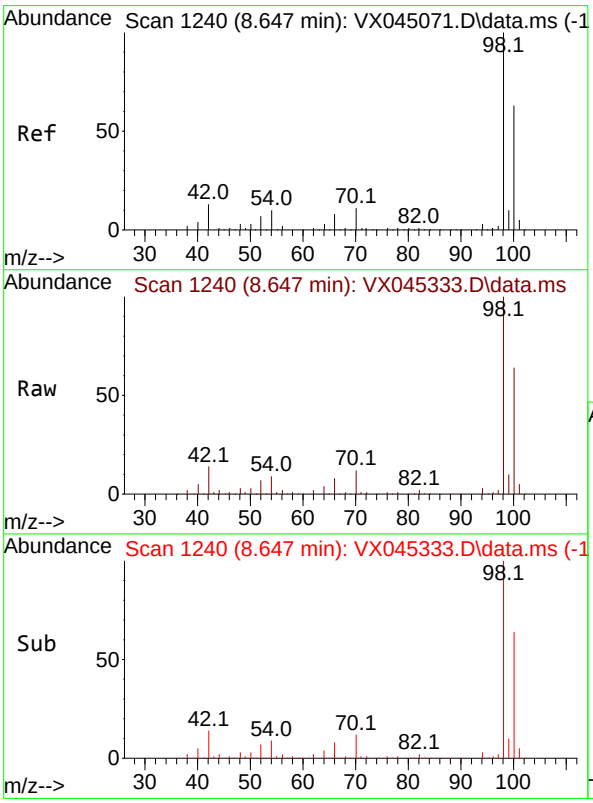
#44
Trichloroethene
Concen: 12.729 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion:130 Resp: 11683

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	205.0

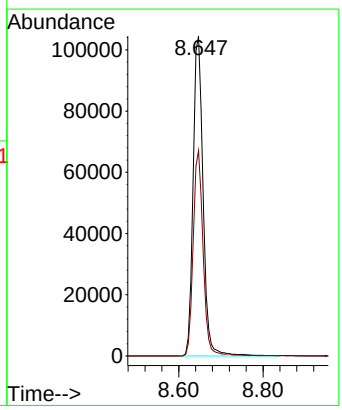


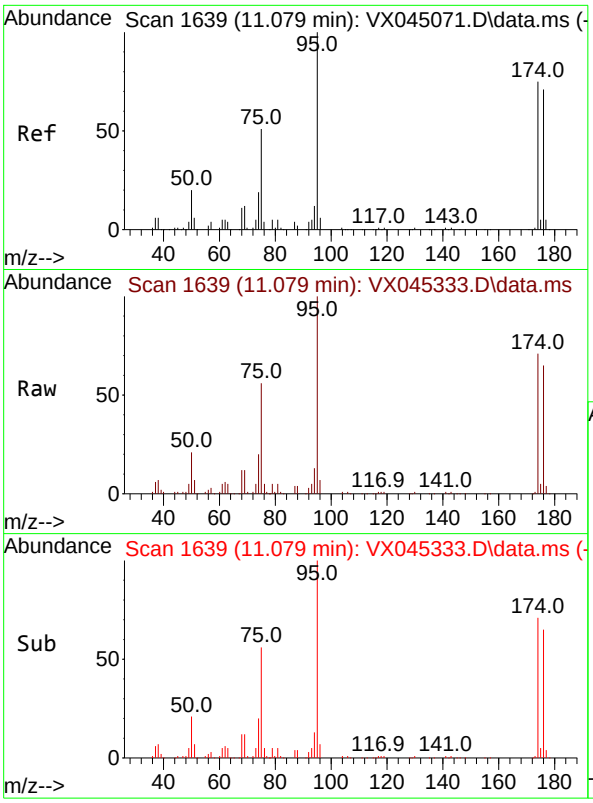


#50
Toluene-d8
Concen: 52.723 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Tgt Ion: 98 Resp: 172527

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0



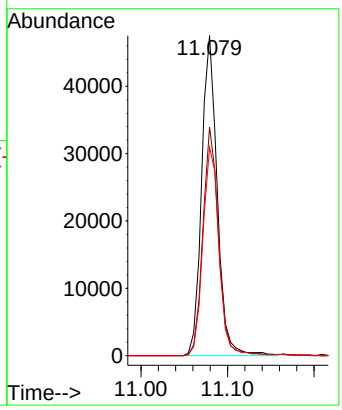


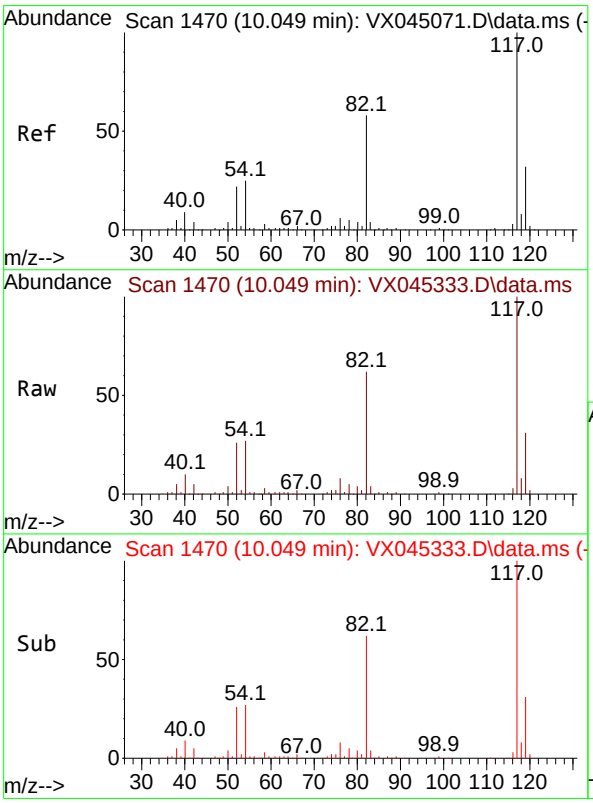
#62
4-Bromofluorobenzene
Concen: 54.859 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion: 95 Resp: 59486

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	148.2
176	67.4	0.0	141.4

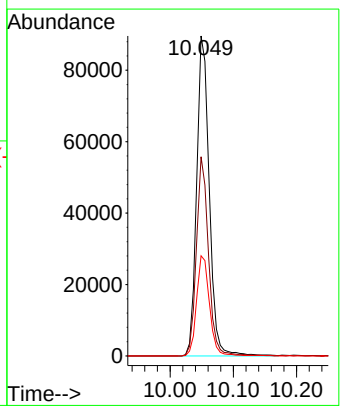


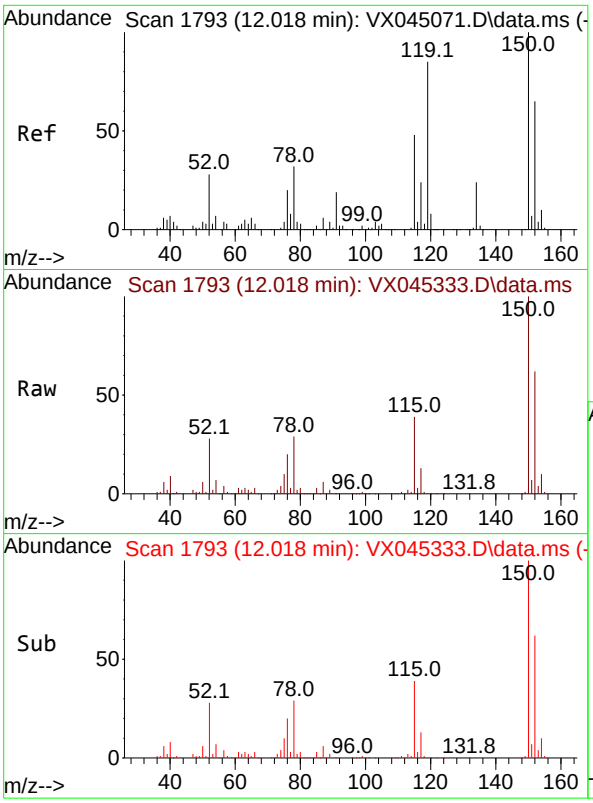


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Tgt Ion:117 Resp: 124517

Ion	Ratio	Lower	Upper
117	100		
82	62.3	46.3	69.5
119	31.3	25.7	38.5



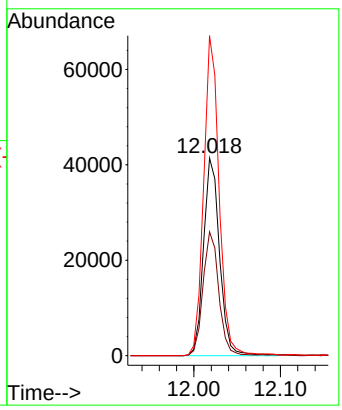


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045333.D
Acq: 18 Mar 2025 18:20

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20250312

Tgt Ion:152 Resp: 53305

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.2	132.6
150	156.2	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-20	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
VX045282.D	1		03/13/25 20:12	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	1.40		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	3.10	J	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	12.4		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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-20	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
VX045282.D	1		03/13/25 20:12	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64100	5.544				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D1-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-20	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
VX045282.D	1		03/13/25 20:12	VX031325

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\VX031325\
Data File : VX045282.D
Acq On : 13 Mar 2025 20:12
Operator : JC/MD
Sample : Q1559-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Quant Time: Mar 14 12:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

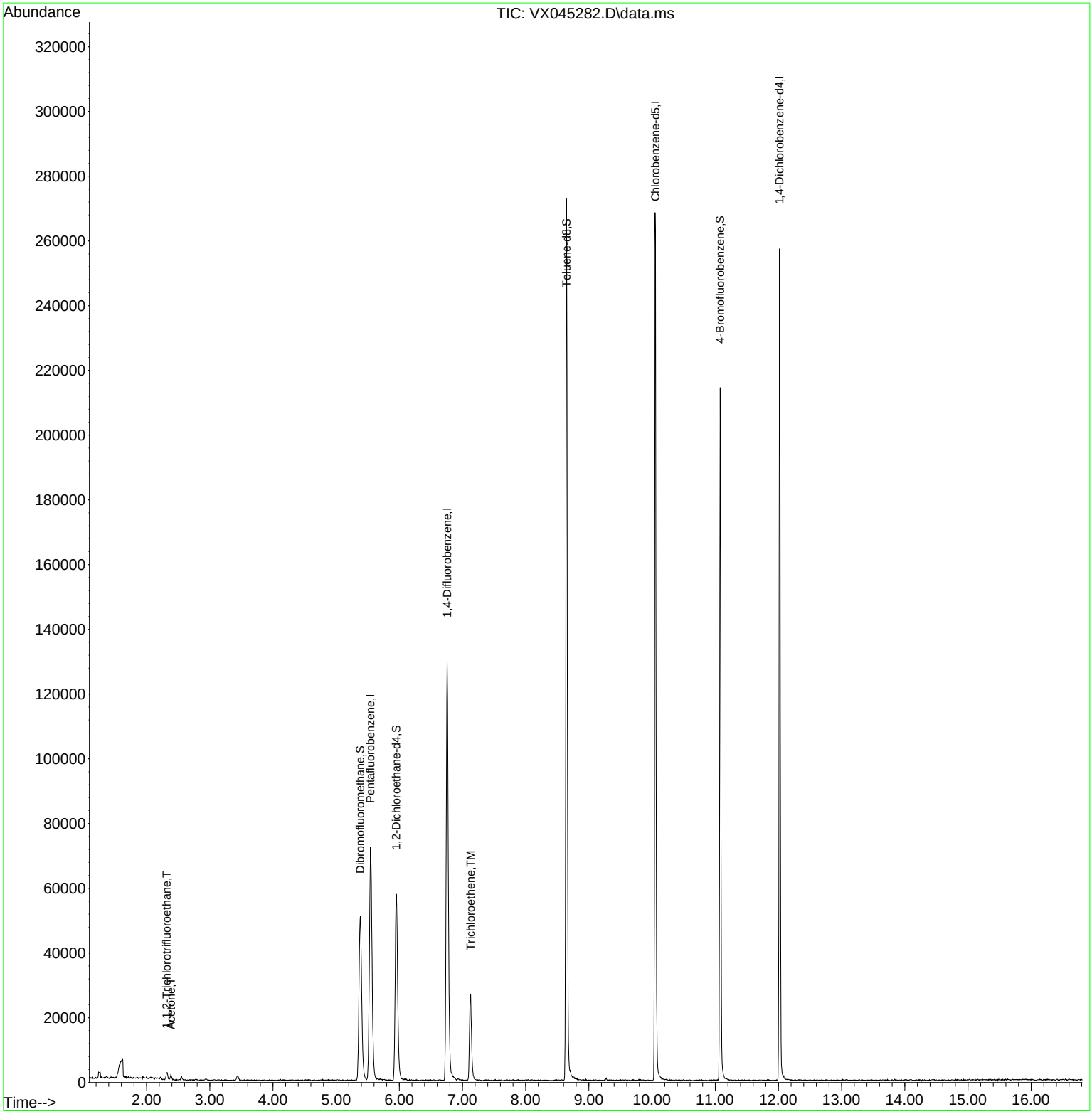
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56440	55.346	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.700%			
35) Dibromofluoromethane	5.379	113	44382	52.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	8.647	98	156681	51.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	54299	53.676	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.360%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.318	101	1054	1.415	ug/l	95
16) Acetone	2.386	43	1457	3.079	ug/l	91
44) Trichloroethene	7.129	130	10603	12.383	ug/l	90

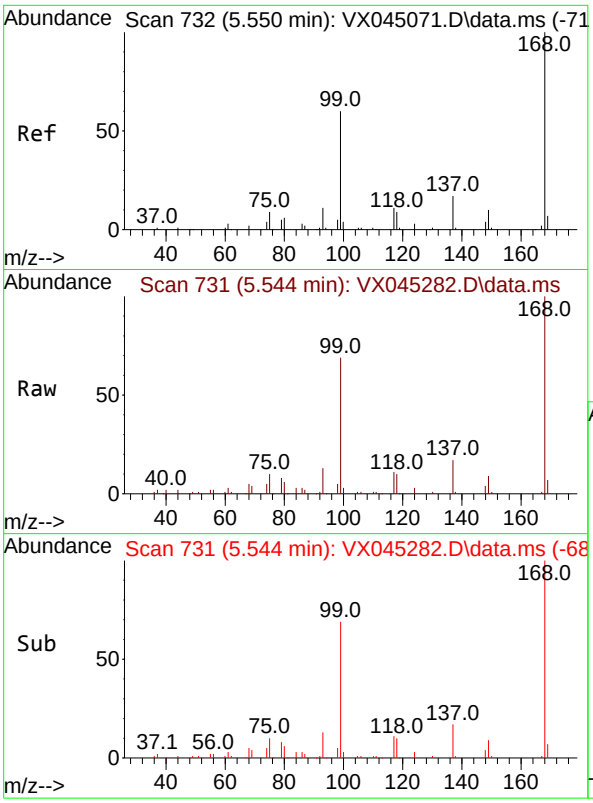
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045282.D
Acq On : 13 Mar 2025 20:12
Operator : JC/MD
Sample : Q1559-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Quant Time: Mar 14 12:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



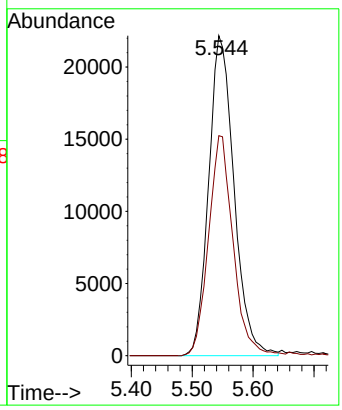


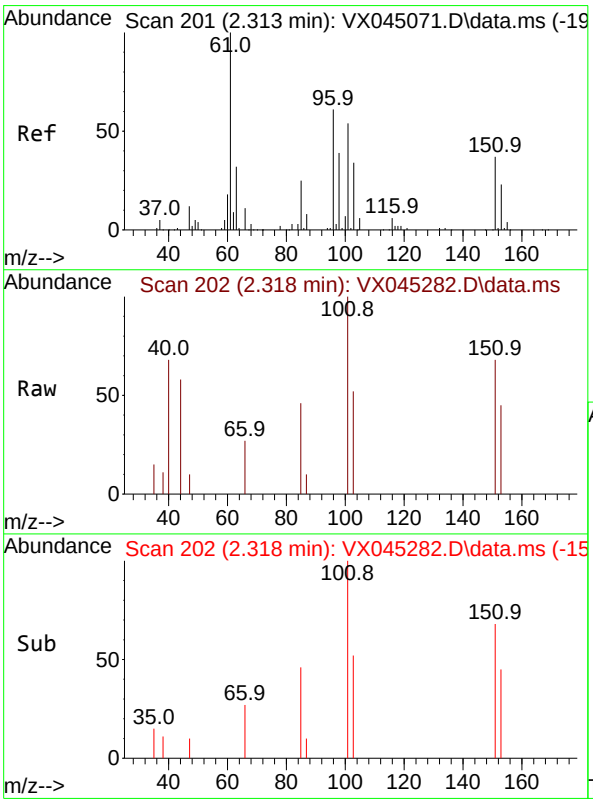
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion:168 Resp: 64110

Ion	Ratio	Lower	Upper
168	100		
99	68.7	48.2	72.4

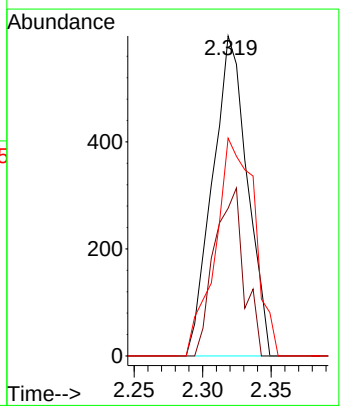


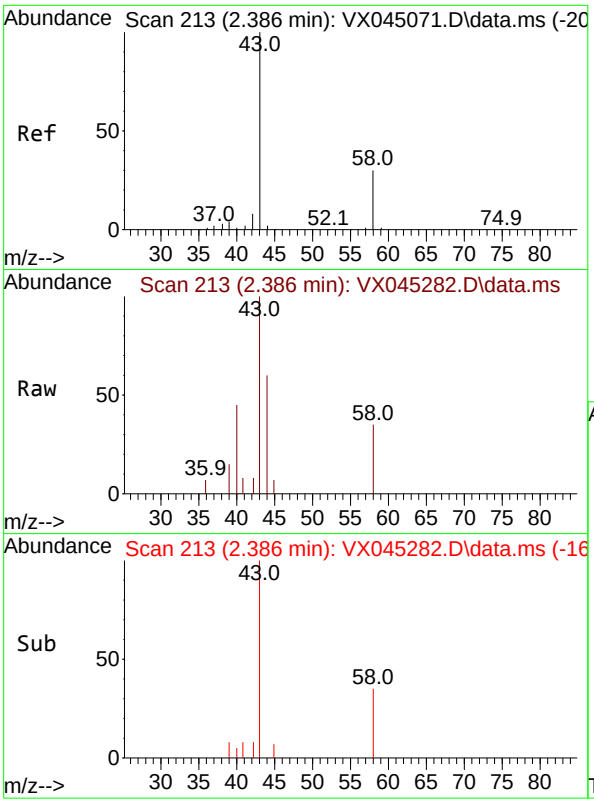


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.415 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Tgt Ion:101 Resp: 1054

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.2	54.4
151	76.9	56.4	84.6



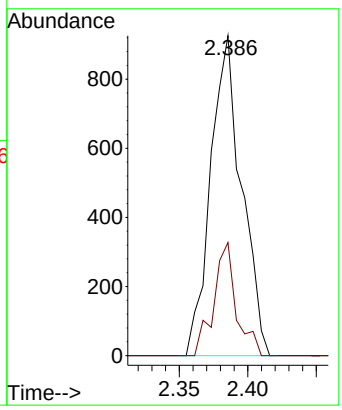


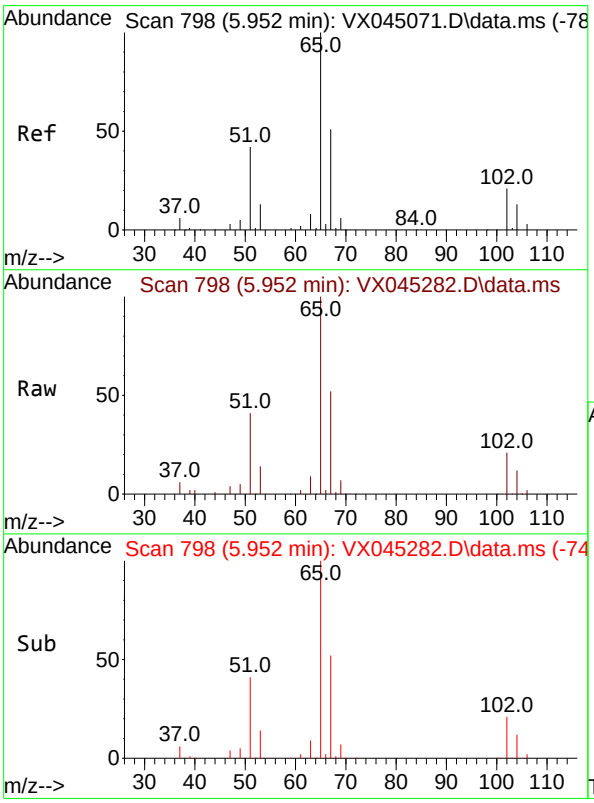
#16
Acetone
Concen: 3.079 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion: 43 Resp: 1457

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.2	36.4

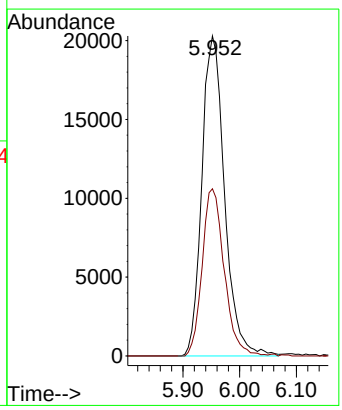


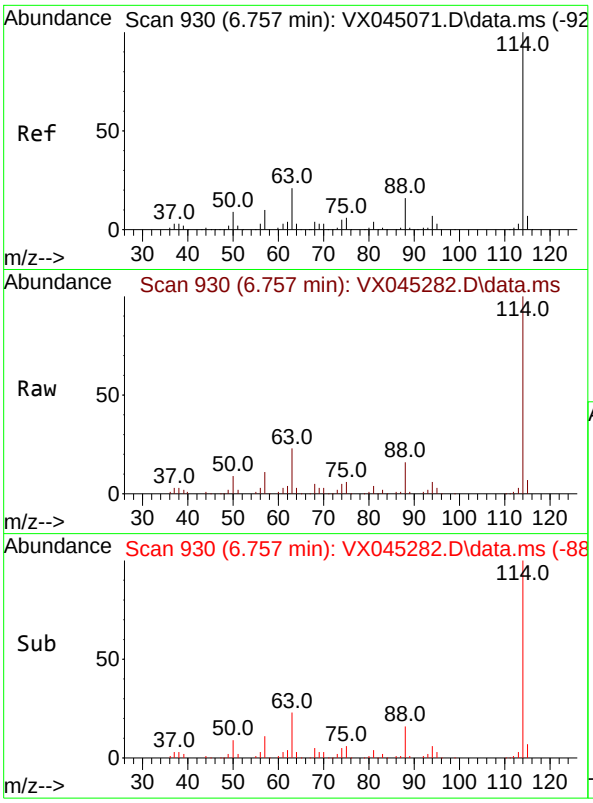


#33
1,2-Dichloroethane-d4
Concen: 55.346 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Tgt Ion: 65 Resp: 56440

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.2



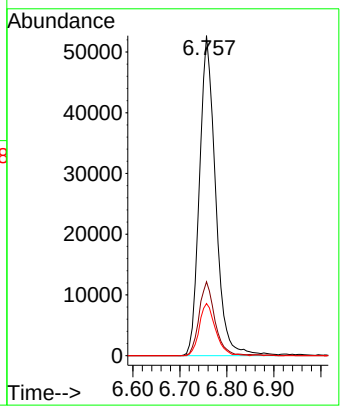


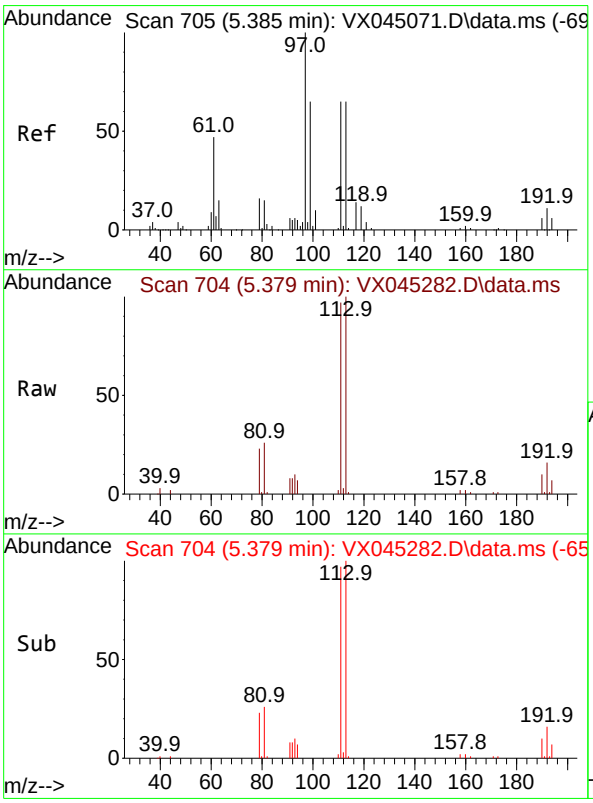
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion:114 Resp: 125932

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	16.3	0.0	32.8

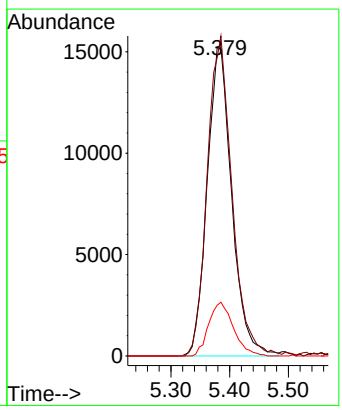


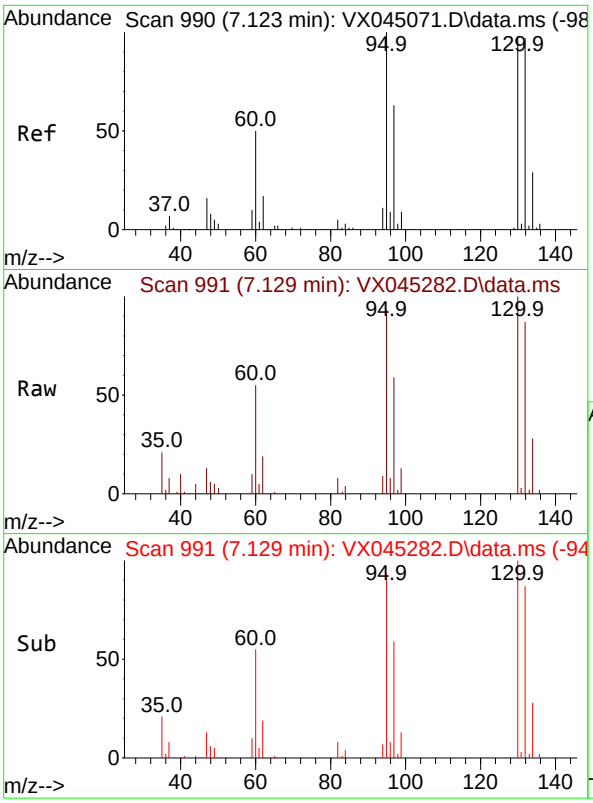


#35
Dibromofluoromethane
Concen: 52.706 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Tgt Ion:113 Resp: 44382

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.5	14.3	21.5



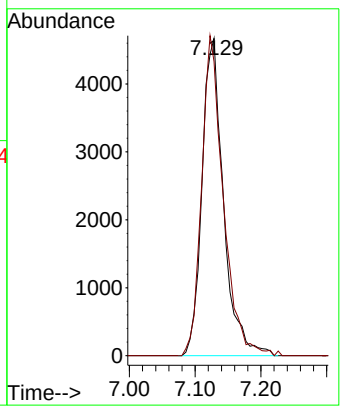


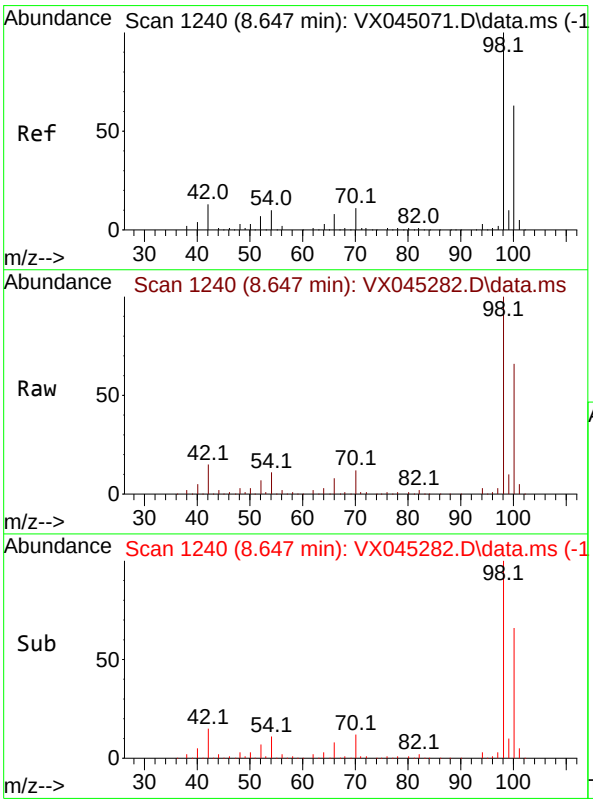
#44
Trichloroethene
Concen: 12.383 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion:130 Resp: 10603

Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	205.0

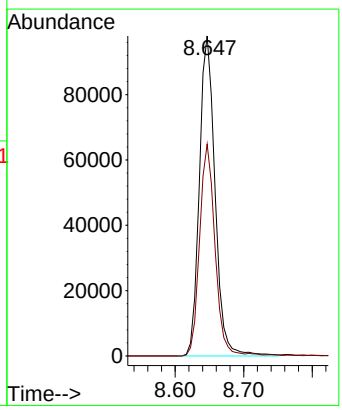


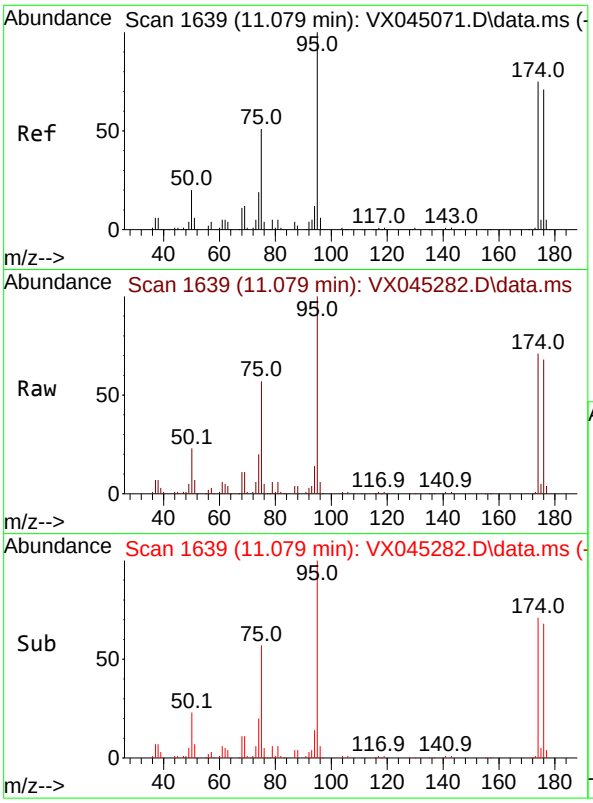


#50
Toluene-d8
Concen: 51.323 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Tgt Ion: 98 Resp: 156681

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0



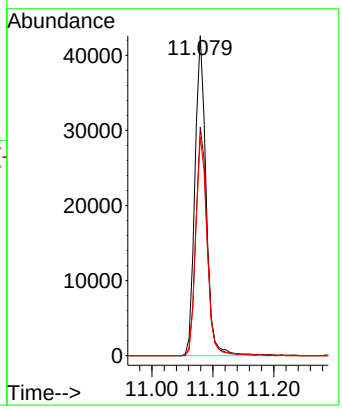


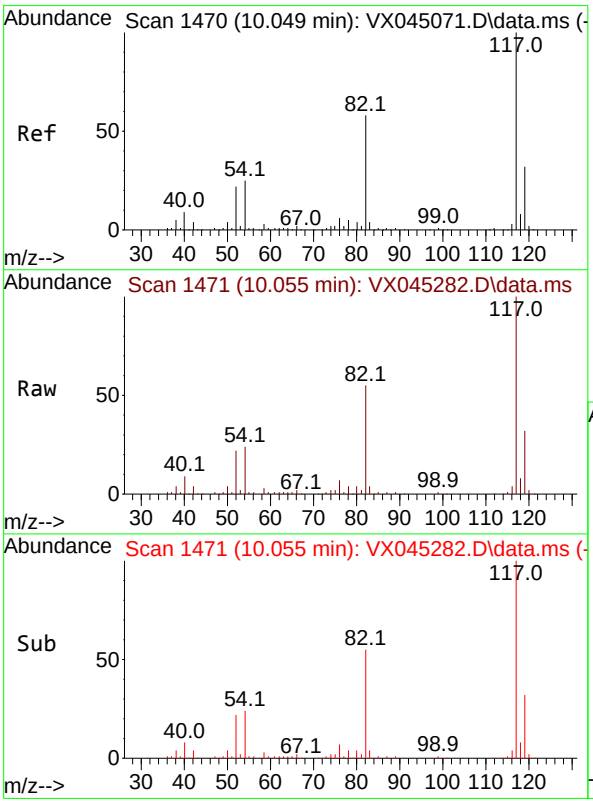
#62
4-Bromofluorobenzene
Concen: 53.676 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion: 95 Resp: 54299

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	148.2
176	69.1	0.0	141.4

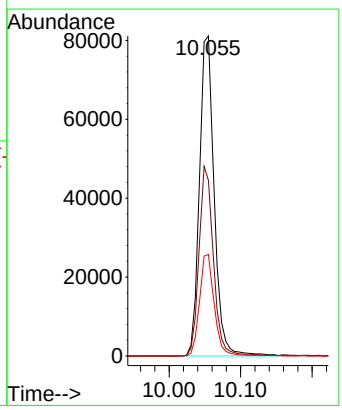


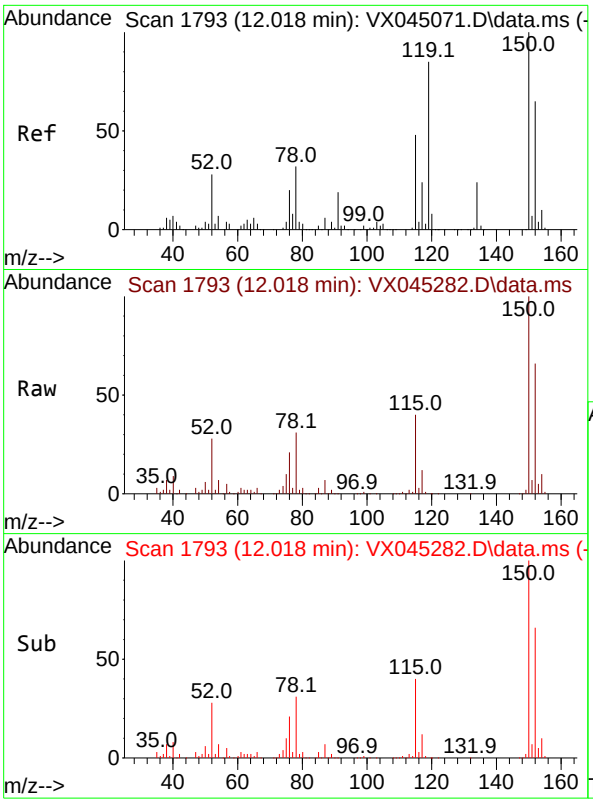


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Tgt Ion:117 Resp: 116455

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.3	69.5
119	31.7	25.7	38.5



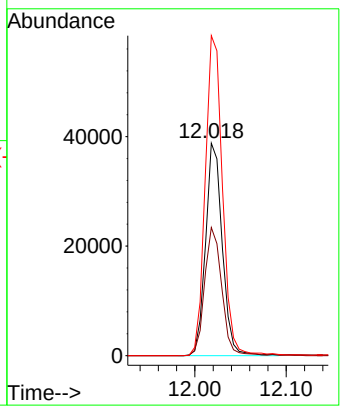


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045282.D
Acq: 13 Mar 2025 20:12

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20250312

Tgt Ion:152 Resp: 49199

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.2	132.6
150	155.9	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-21	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
VX045329.D	1		03/18/25 16:47	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	16.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	7.60		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	3.50		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	730	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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-21	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
VX045329.D	1		03/18/25 16:47	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	8.40		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	80700	5.544				
540-36-3	1,4-Difluorobenzene	156000	6.757				
3114-55-4	Chlorobenzene-d5	141000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58600	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-21	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
VX045329.D	1		03/18/25 16:47	VX031825

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045329.D
Acq On : 18 Mar 2025 16:47
Operator : JC/MD
Sample : Q1559-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Quant Time: Mar 19 01:47:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

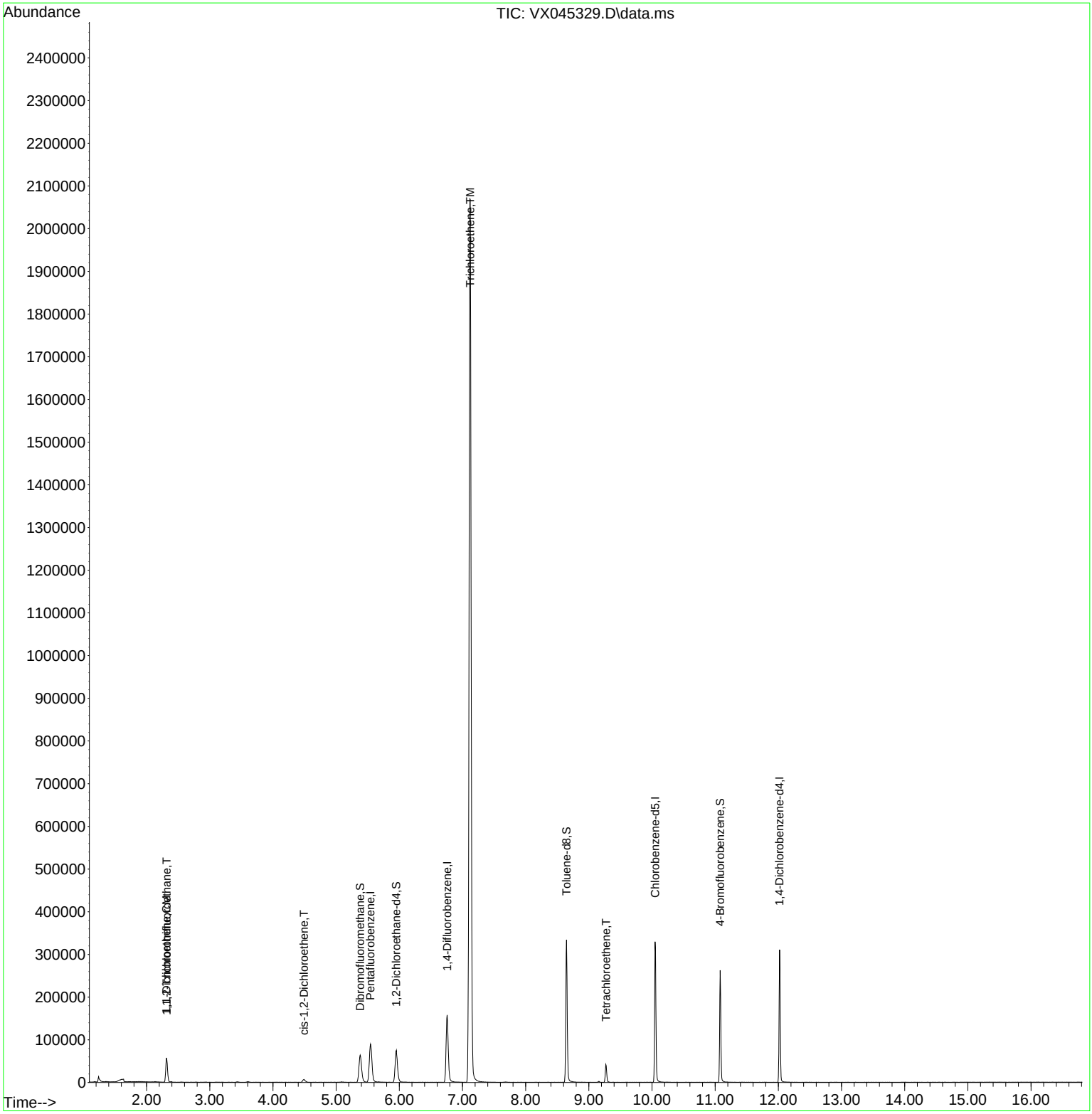
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	80658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70329	54.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.640%			
35) Dibromofluoromethane	5.379	113	54846	52.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.340%			
50) Toluene-d8	8.647	98	190937	50.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	68196	54.513	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.020%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	15497	16.531	ug/l	96
12) 1,1-Dichloroethene	2.313	96	7525	7.592	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	4238	3.506	ug/l	95
44) Trichloroethene	7.123	130	770419	727.567	ug/l	100
64) Tetrachloroethene	9.275	164	7538	8.352	ug/l	97

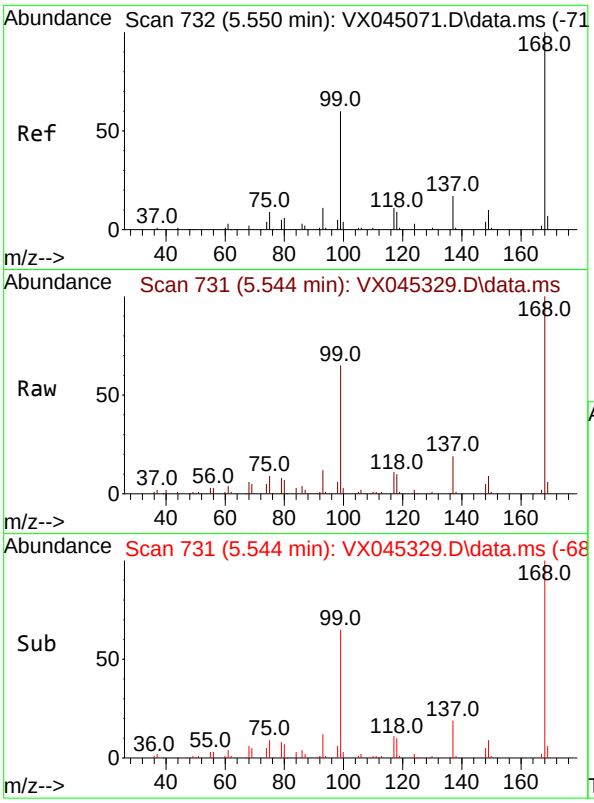
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045329.D
Acq On : 18 Mar 2025 16:47
Operator : JC/MD
Sample : Q1559-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Quant Time: Mar 19 01:47:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



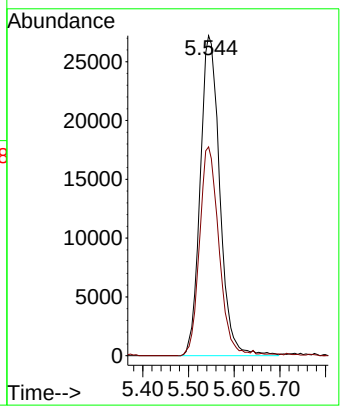


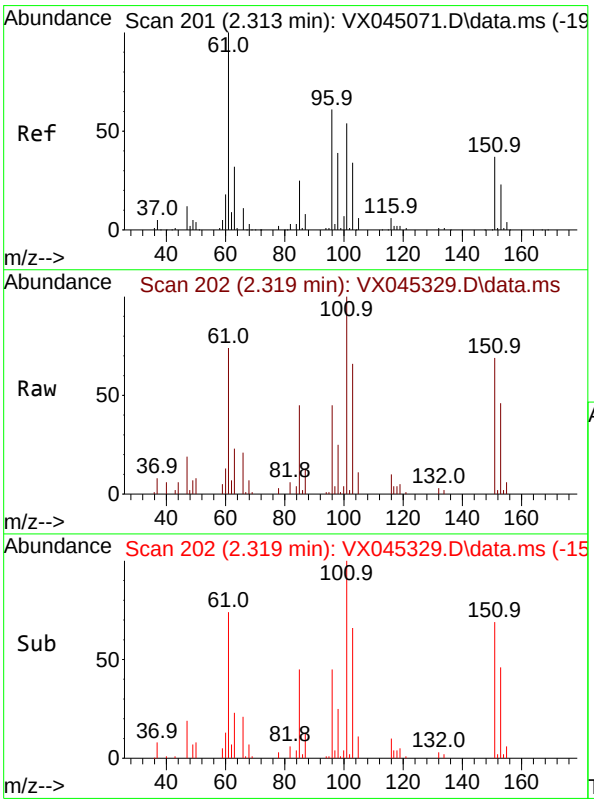
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion:168 Resp: 80658

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4

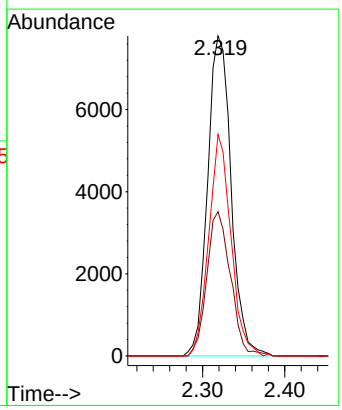


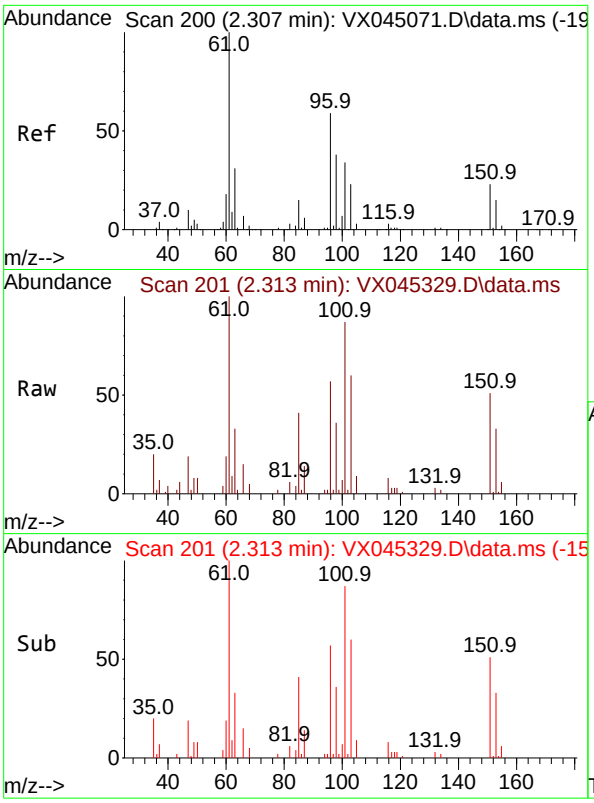


#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.531 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:101 Resp: 15497

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	65.3	56.4	84.6



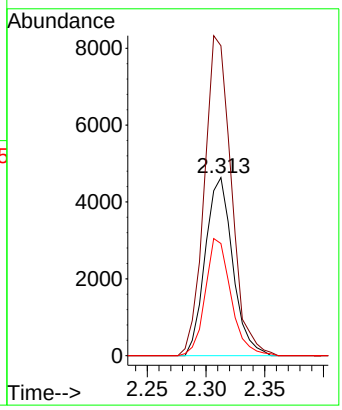


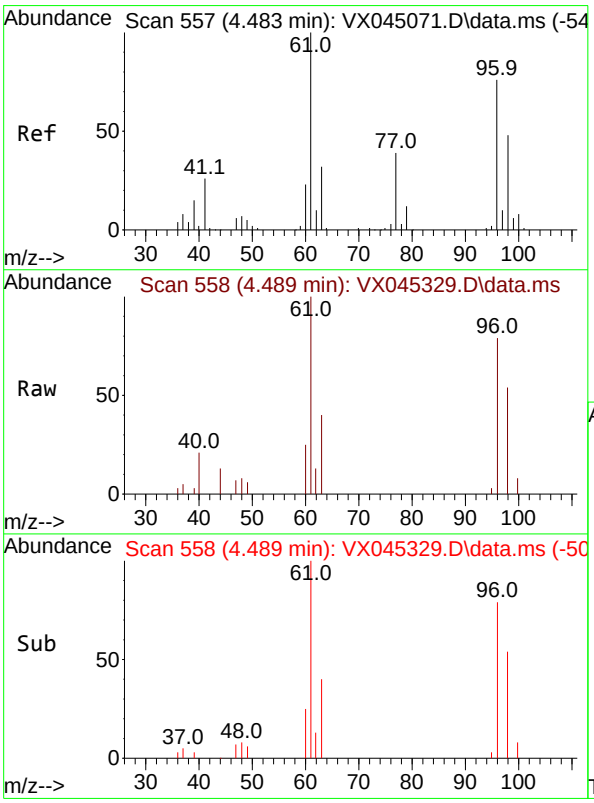
#12
1,1-Dichloroethene
Concen: 7.592 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion: 96 Resp: 7525

Ion	Ratio	Lower	Upper
96	100		
61	174.1	134.6	202.0
98	63.0	51.0	76.6

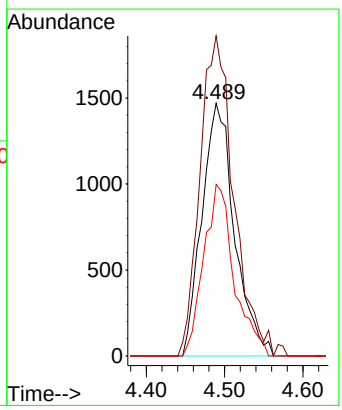


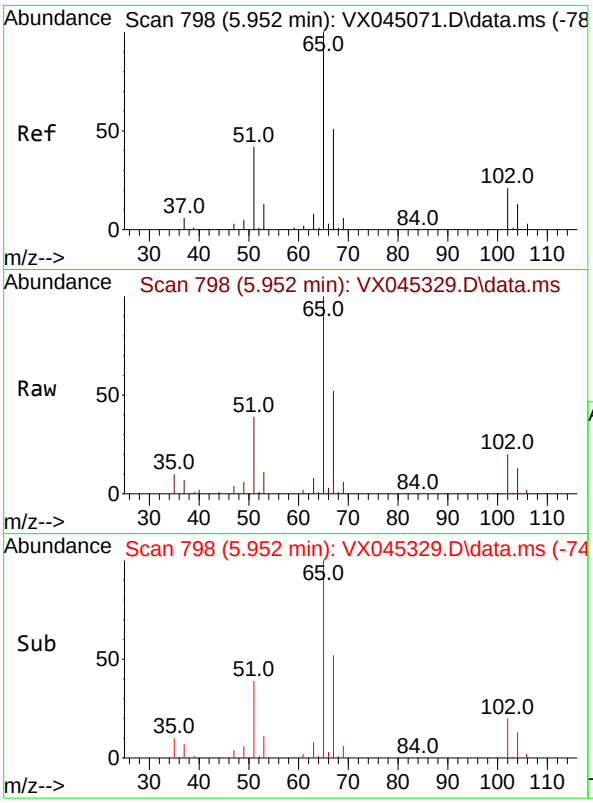


#27
cis-1,2-Dichloroethene
Concen: 3.506 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion: 96 Resp: 4238

Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	283.2
98	63.5	0.0	128.0



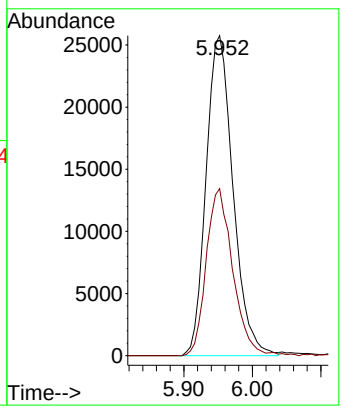


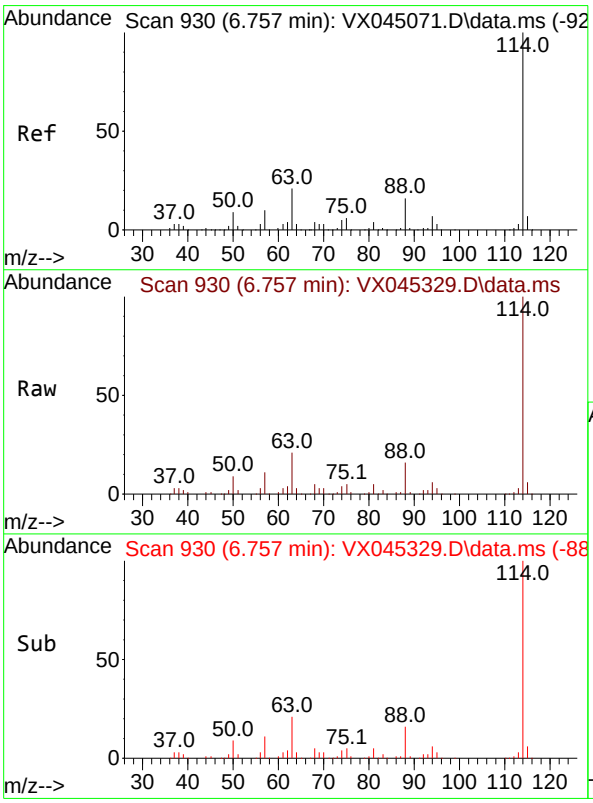
#33
1,2-Dichloroethane-d4
Concen: 54.817 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion: 65 Resp: 70329

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

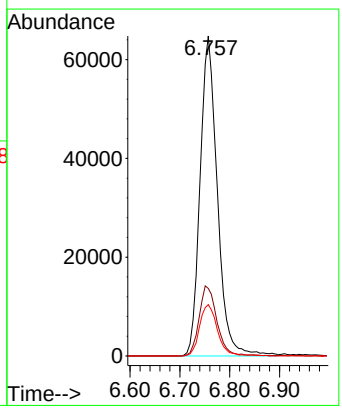


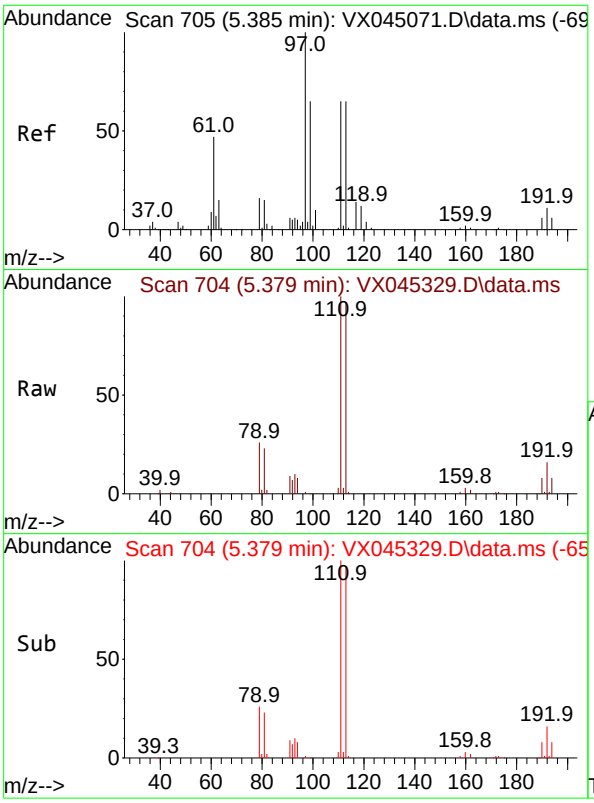


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:114 Resp: 155733

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	16.1	0.0	32.8



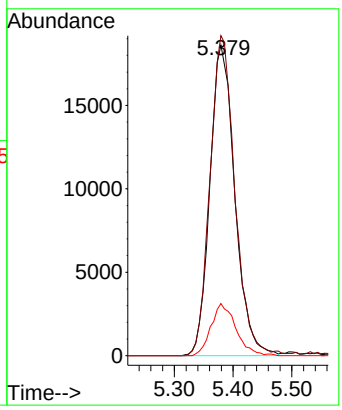


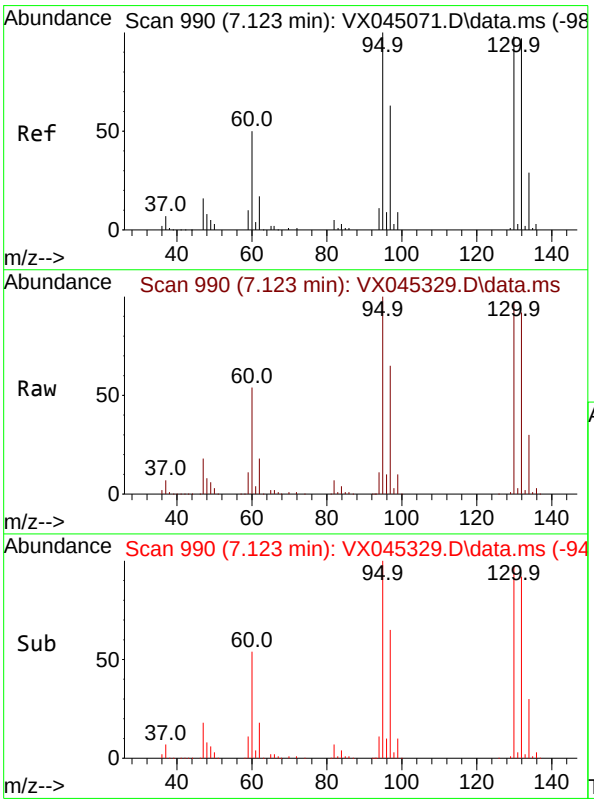
#35
Dibromofluoromethane
Concen: 52.668 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion:113 Resp: 54846

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	16.8	14.3	21.5

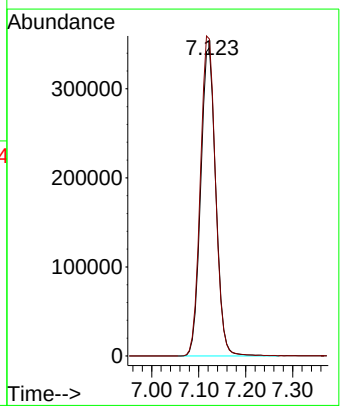


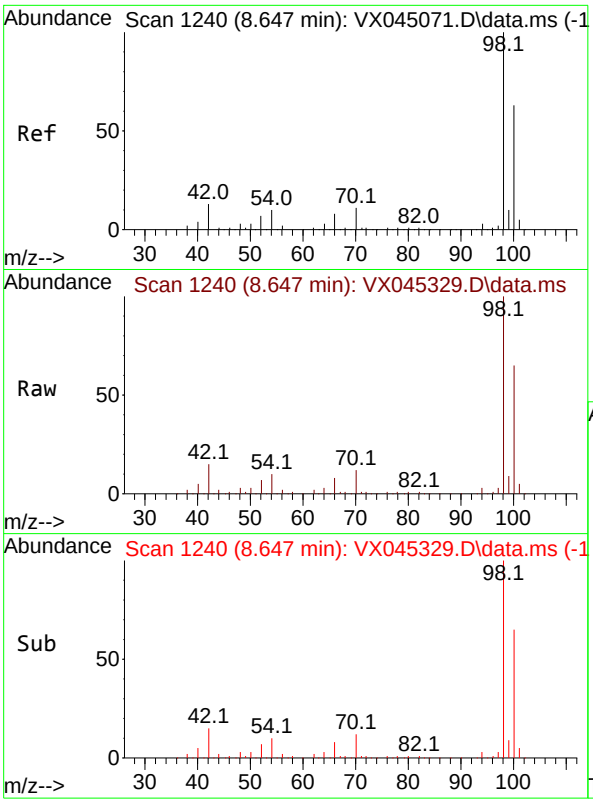


#44
Trichloroethene
Concen: 727.567 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:130 Resp: 770419

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	205.0



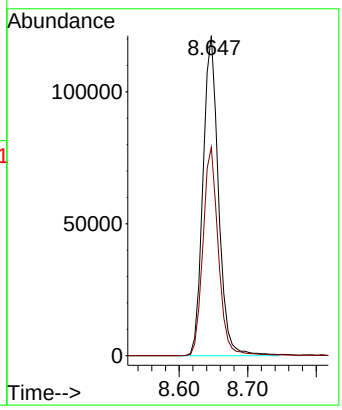


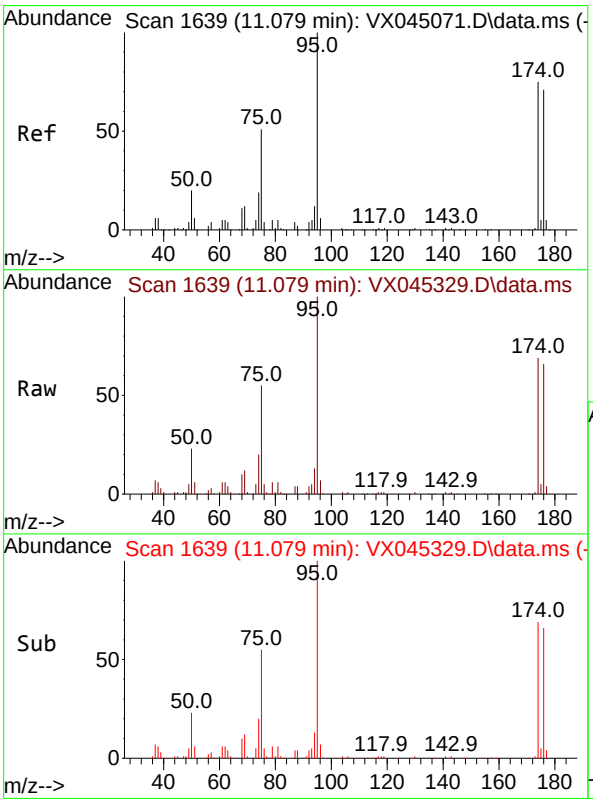
#50
Toluene-d8
Concen: 50.576 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion: 98 Resp: 190937

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

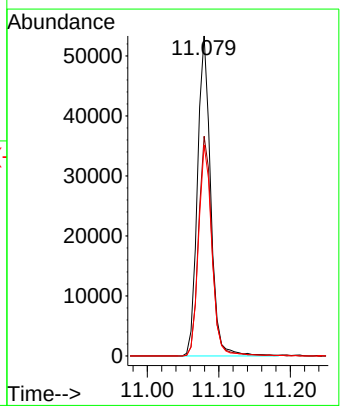


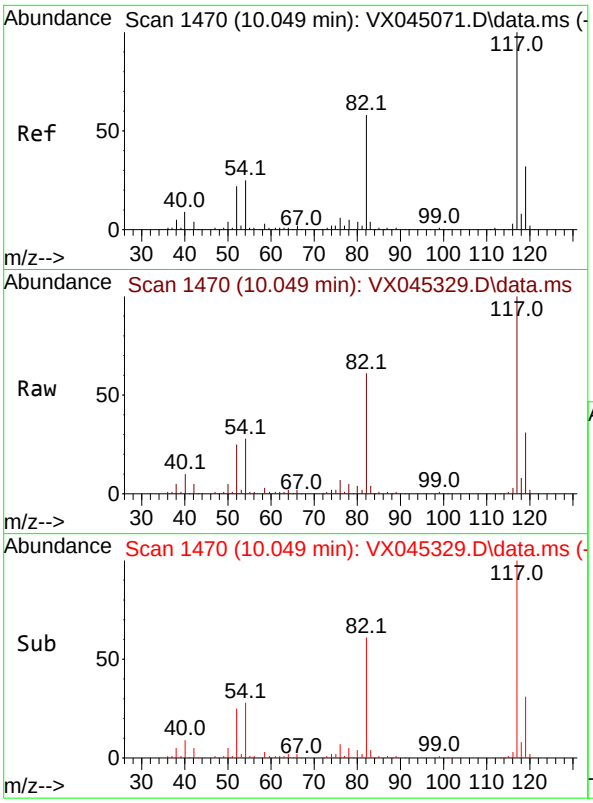


#62
4-Bromofluorobenzene
Concen: 54.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion: 95 Resp: 68196

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	148.2
176	66.6	0.0	141.4



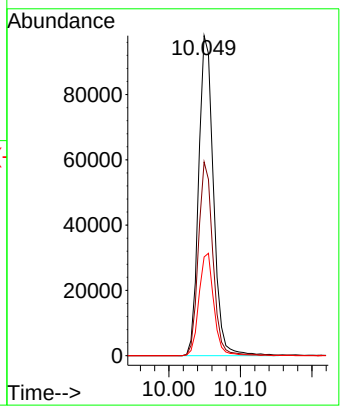


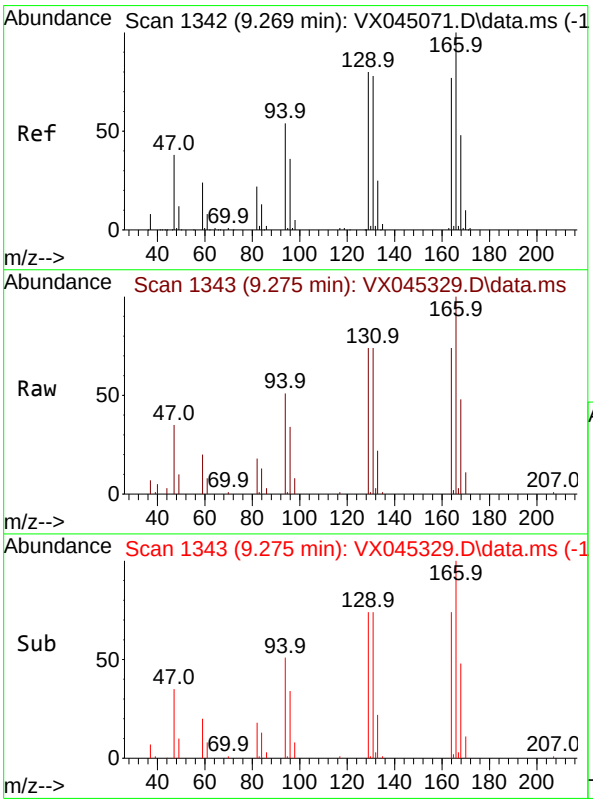
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion:117 Resp: 140928

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	30.9	25.7	38.5

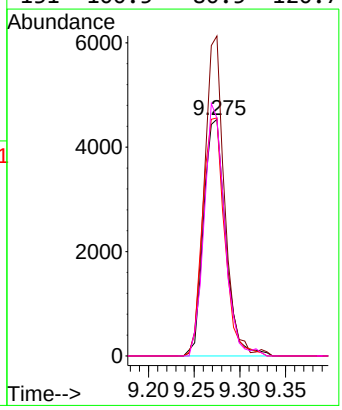


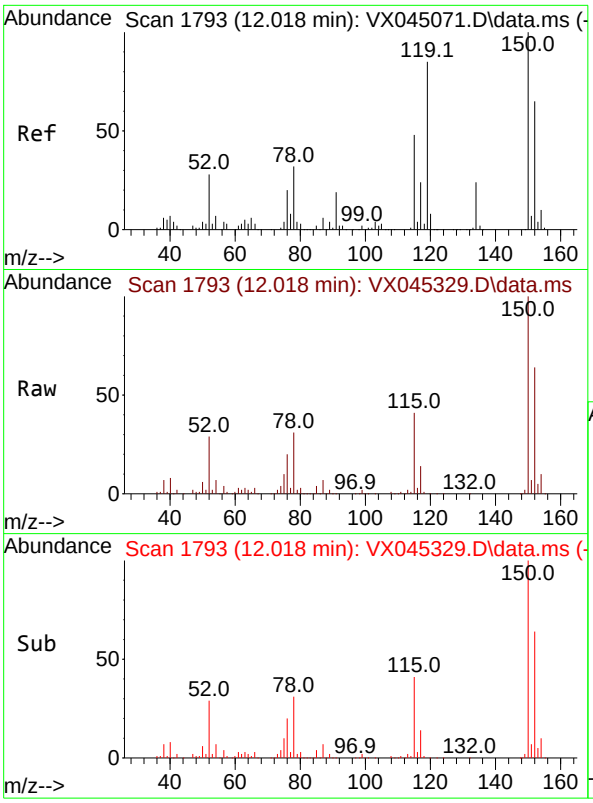


#64
Tetrachloroethene
Concen: 8.352 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Tgt Ion:164 Resp: 7538

Ion	Ratio	Lower	Upper
164	100		
166	135.3	103.6	155.4
129	100.6	82.7	124.1
131	100.5	80.5	120.7



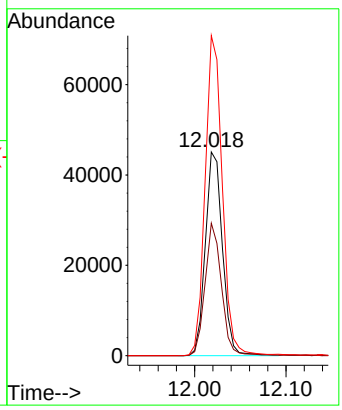


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045329.D
Acq: 18 Mar 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312

Tgt Ion:152 Resp: 58620

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	157.7	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-21DL	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
VX045354.D	20		03/20/25 12:30	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.5	D	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	8.80	JD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	780	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	ug/L

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-21DL	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
VX045354.D	20		03/20/25 12:30	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	7.10	JD	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71500	5.55				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	53200	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D3-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-21DL	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
VX045354.D	20		03/20/25 12:30	VX032025

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\VX032025\
Data File : VX045354.D
Acq On : 20 Mar 2025 12:30
Operator : JC/MD
Sample : Q1559-21DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Quant Time: Mar 21 01:45:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

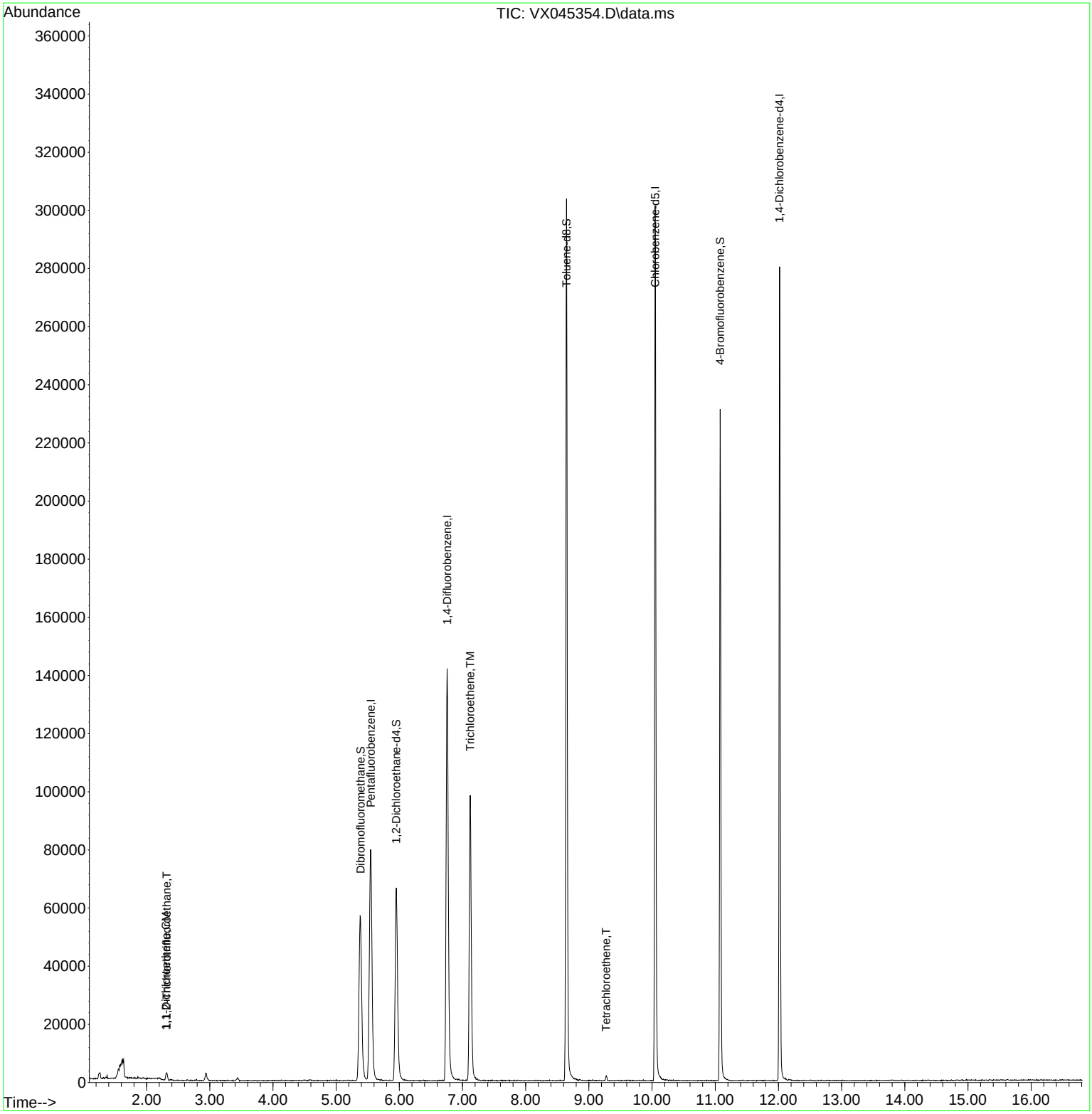
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64357	56.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	5.385	113	49428	52.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	8.647	98	172491	50.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	11.079	95	59332	52.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.640%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	936	1.127	ug/l	89
12) 1,1-Dichloroethene	2.306	96	386	0.440	ug/l #	77
44) Trichloroethene	7.123	130	36938	38.851	ug/l	96
64) Tetrachloroethene	9.275	164	285	0.353	ug/l #	73

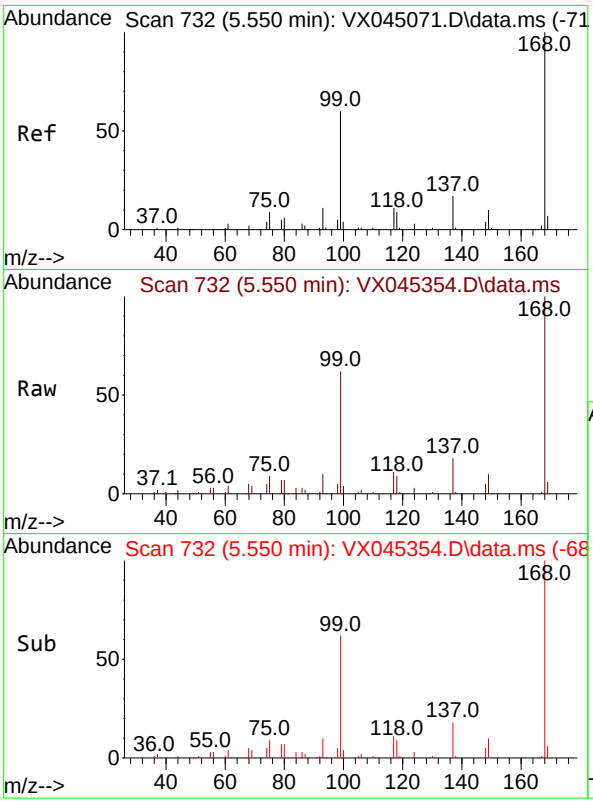
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045354.D
Acq On : 20 Mar 2025 12:30
Operator : JC/MD
Sample : Q1559-21DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Quant Time: Mar 21 01:45:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



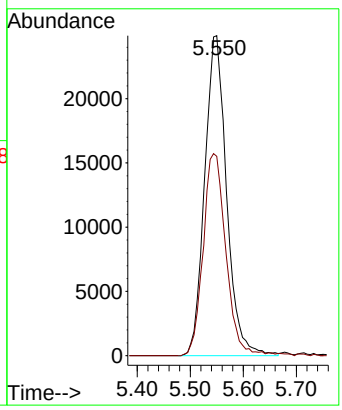


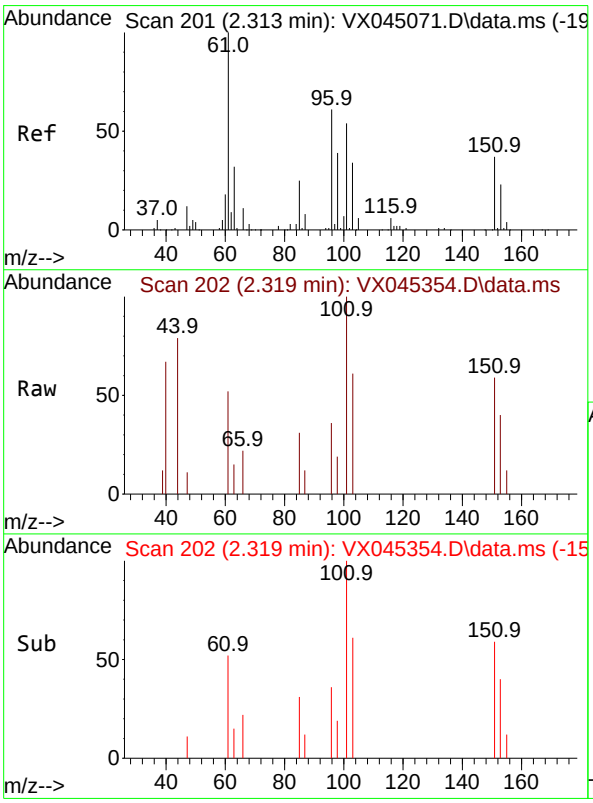
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion:168 Resp: 71455

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4

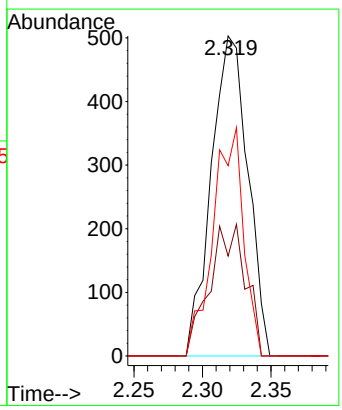


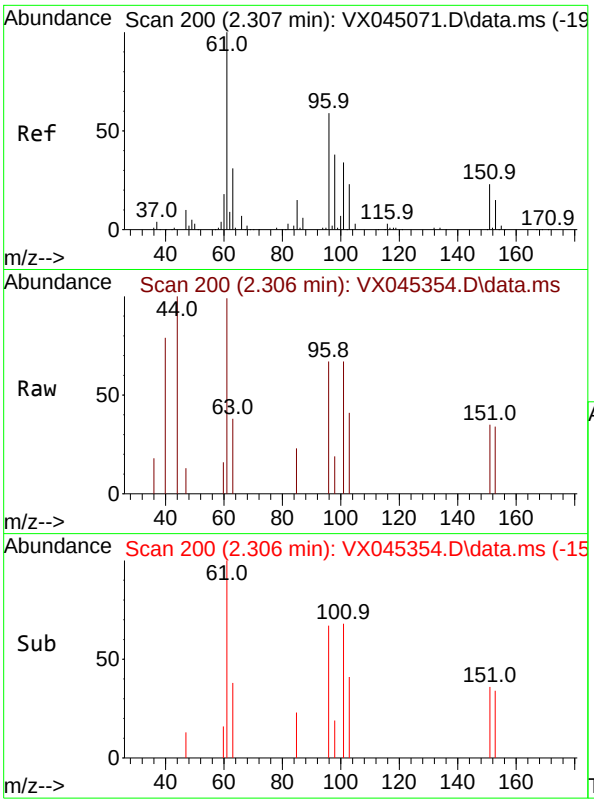


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.127 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:101 Resp: 936

Ion	Ratio	Lower	Upper
101	100		
85	40.4	36.2	54.4
151	59.4	56.4	84.6



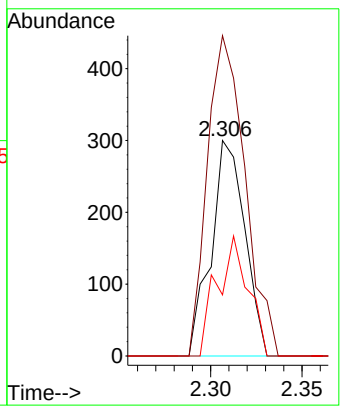


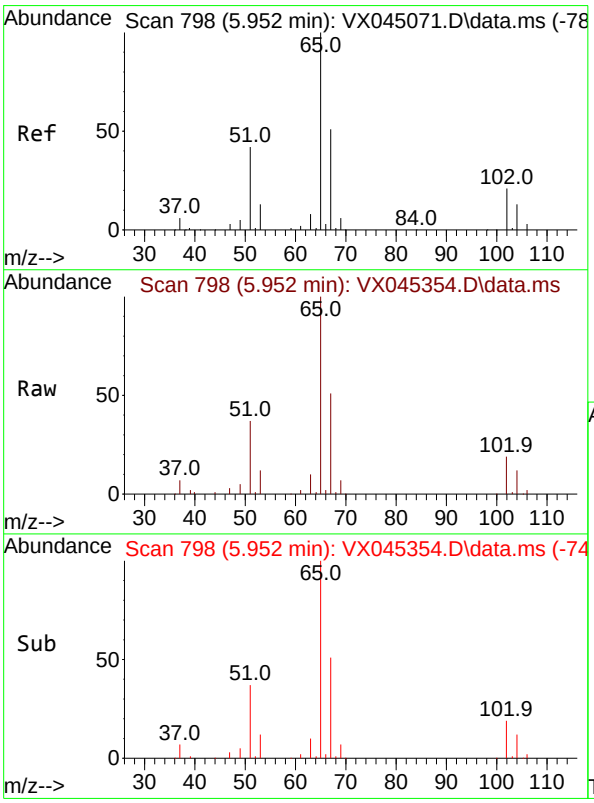
#12
1,1-Dichloroethene
Concen: 0.440 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion: 96 Resp: 386

Ion	Ratio	Lower	Upper
96	100		
61	148.7	134.6	202.0
98	28.3	51.0	76.6#

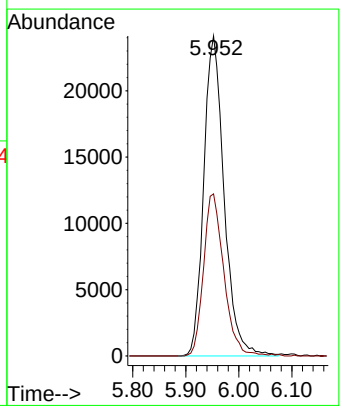


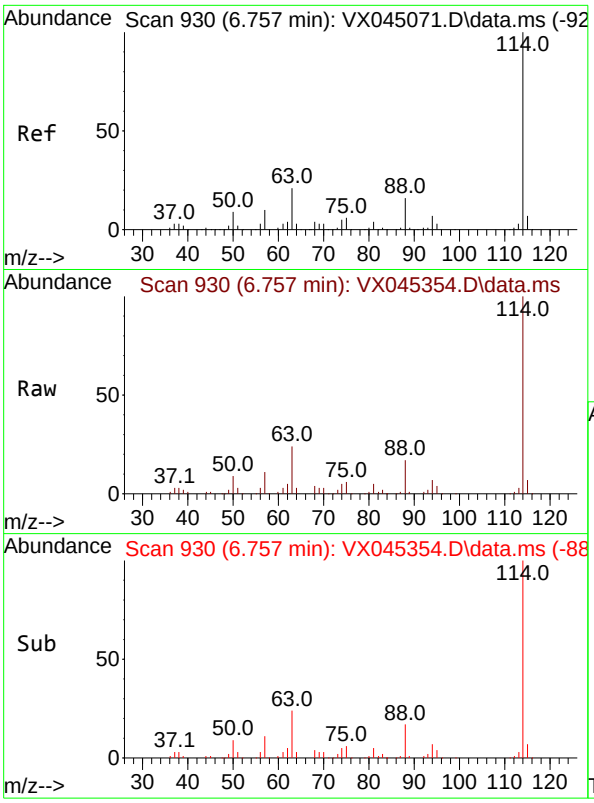


#33
1,2-Dichloroethane-d4
Concen: 56.623 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 65 Resp: 64357

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2



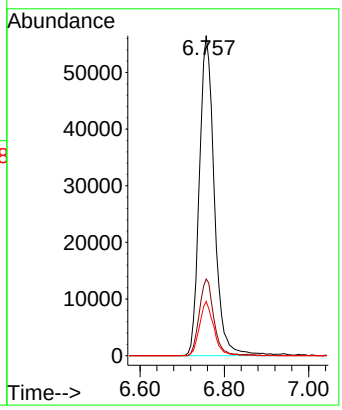


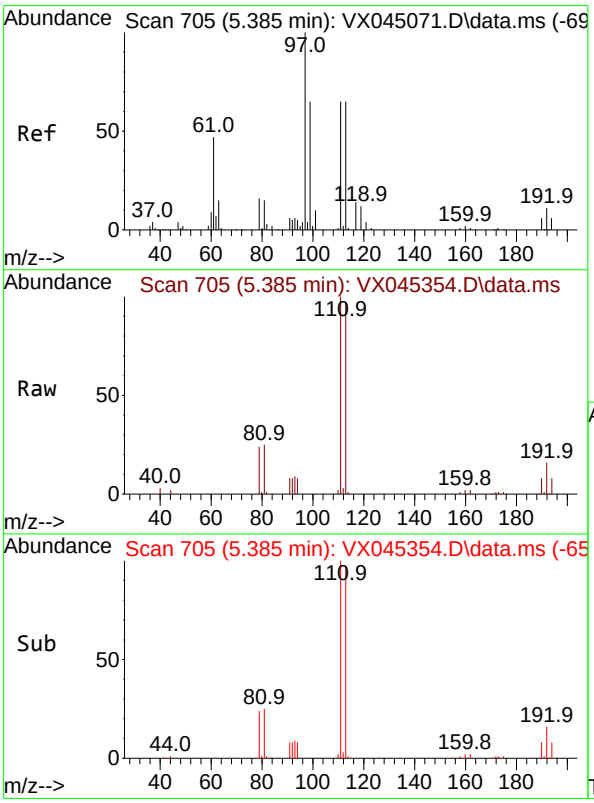
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion:114 Resp: 139830

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	41.8
88	16.9	0.0	32.8

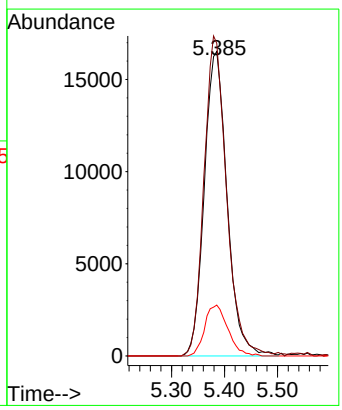


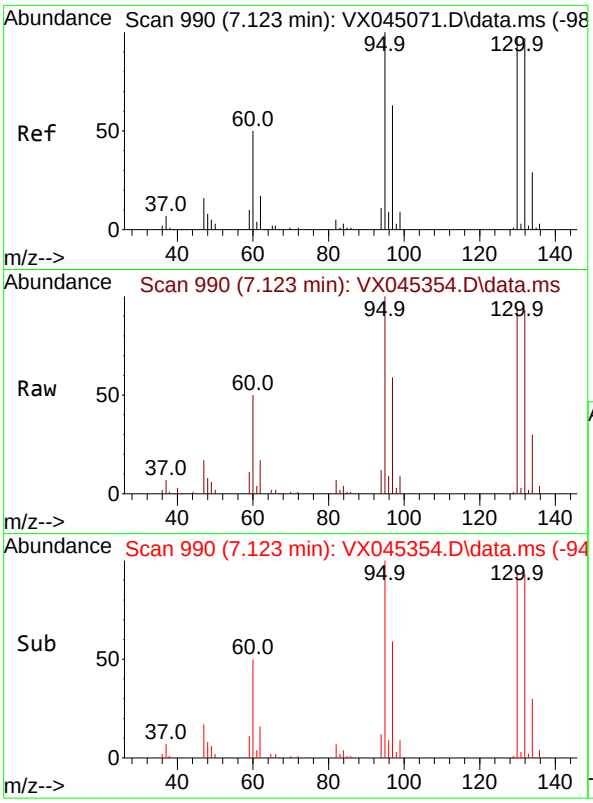


#35
Dibromofluoromethane
Concen: 52.864 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:113 Resp: 49428

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	16.9	14.3	21.5



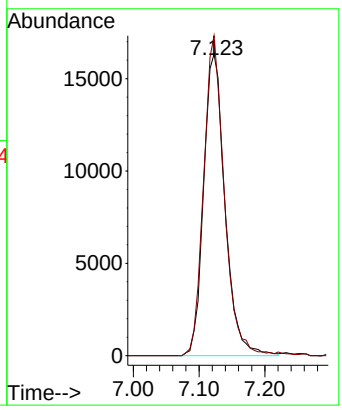


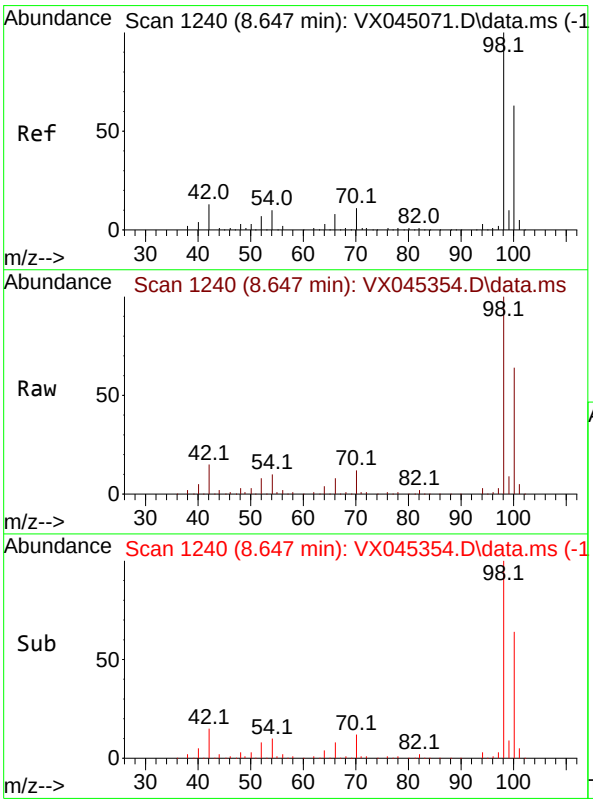
#44
Trichloroethene
Concen: 38.851 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion:130 Resp: 36938

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	205.0

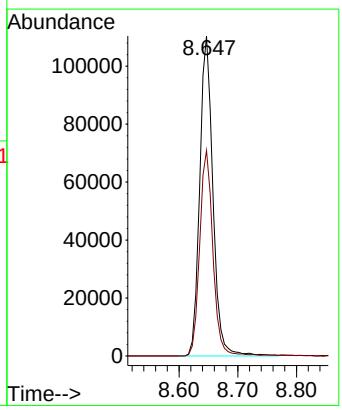


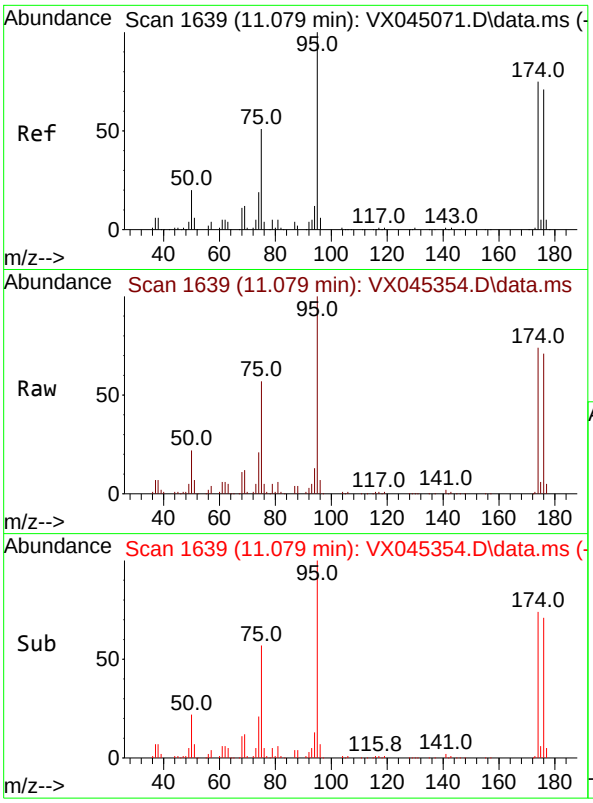


#50
Toluene-d8
Concen: 50.886 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 98 Resp: 172491

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



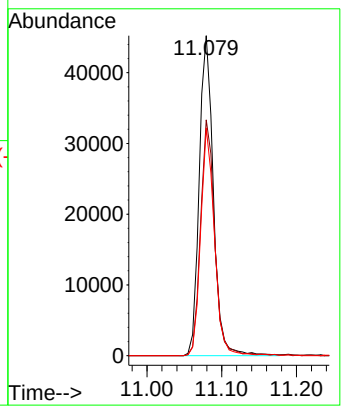


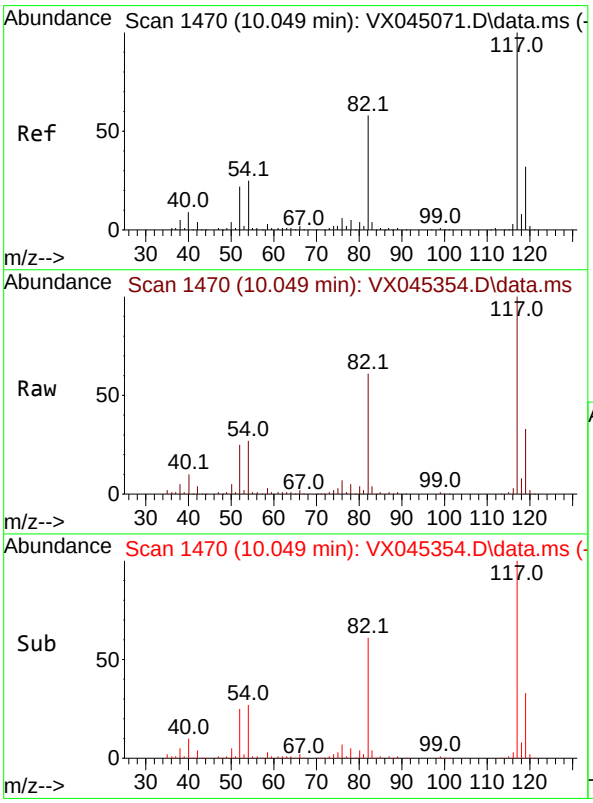
#62
4-Bromofluorobenzene
Concen: 52.822 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion: 95 Resp: 59332

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	69.7	0.0	141.4

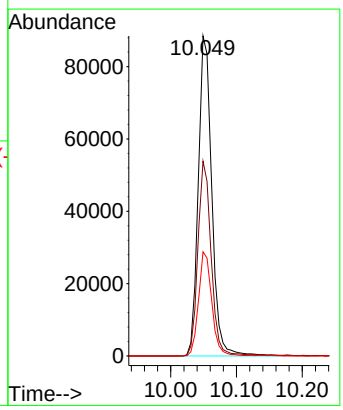


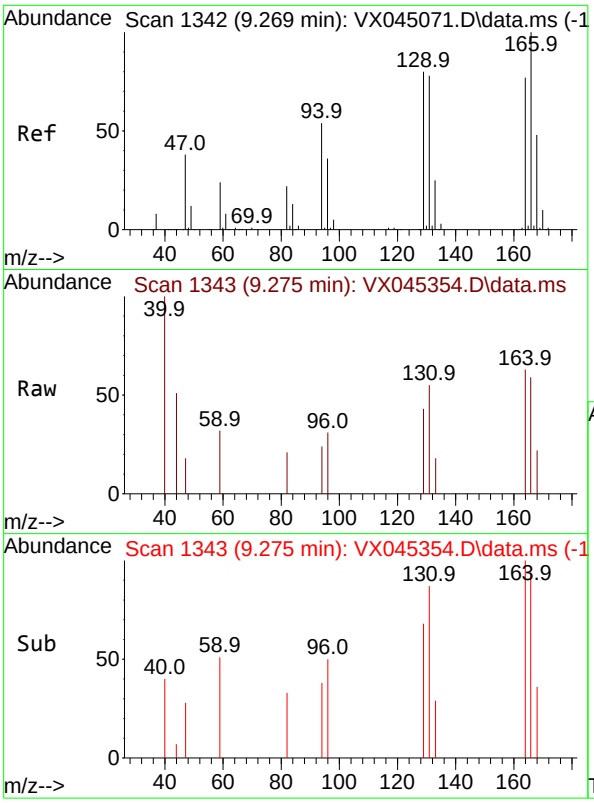


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:117 Resp: 126173

Ion	Ratio	Lower	Upper
117	100		
82	60.8	46.3	69.5
119	32.6	25.7	38.5



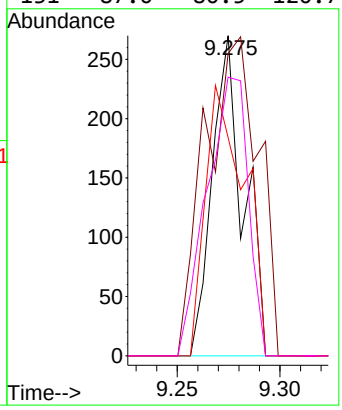


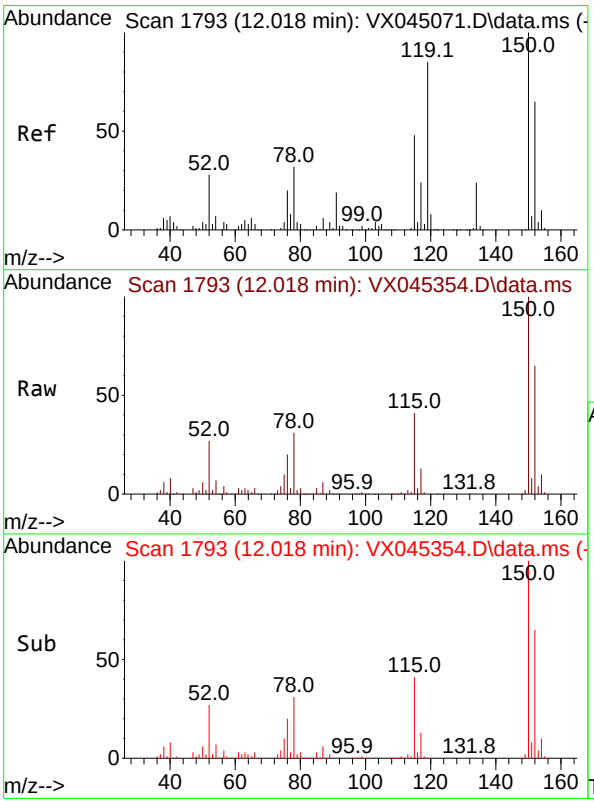
#64
Tetrachloroethene
Concen: 0.353 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

Tgt Ion:164 Resp: 285

Ion	Ratio	Lower	Upper
164	100		
166	94.4	103.6	155.4#
129	68.1	82.7	124.1#
131	87.0	80.5	120.7

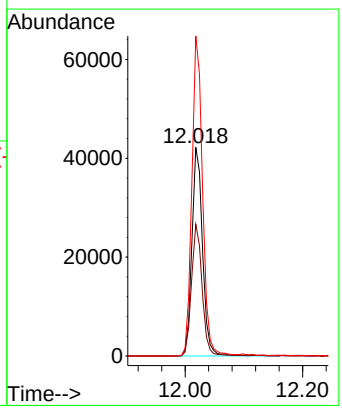




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:152 Resp: 53223

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.2	132.6
150	153.1	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-22	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
VX045330.D	1		03/18/25 17:10	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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	130		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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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	2.30		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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	350	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-22	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
VX045330.D	1		03/18/25 17:10	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	9.60		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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68100	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312	SDG No.:	Q1559
Lab Sample ID:	Q1559-22	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
VX045330.D	1		03/18/25 17:10	VX031825

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\VX031825\
Data File : VX045330.D
Acq On : 18 Mar 2025 17:10
Operator : JC/MD
Sample : Q1559-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Quant Time: Mar 19 01:47:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

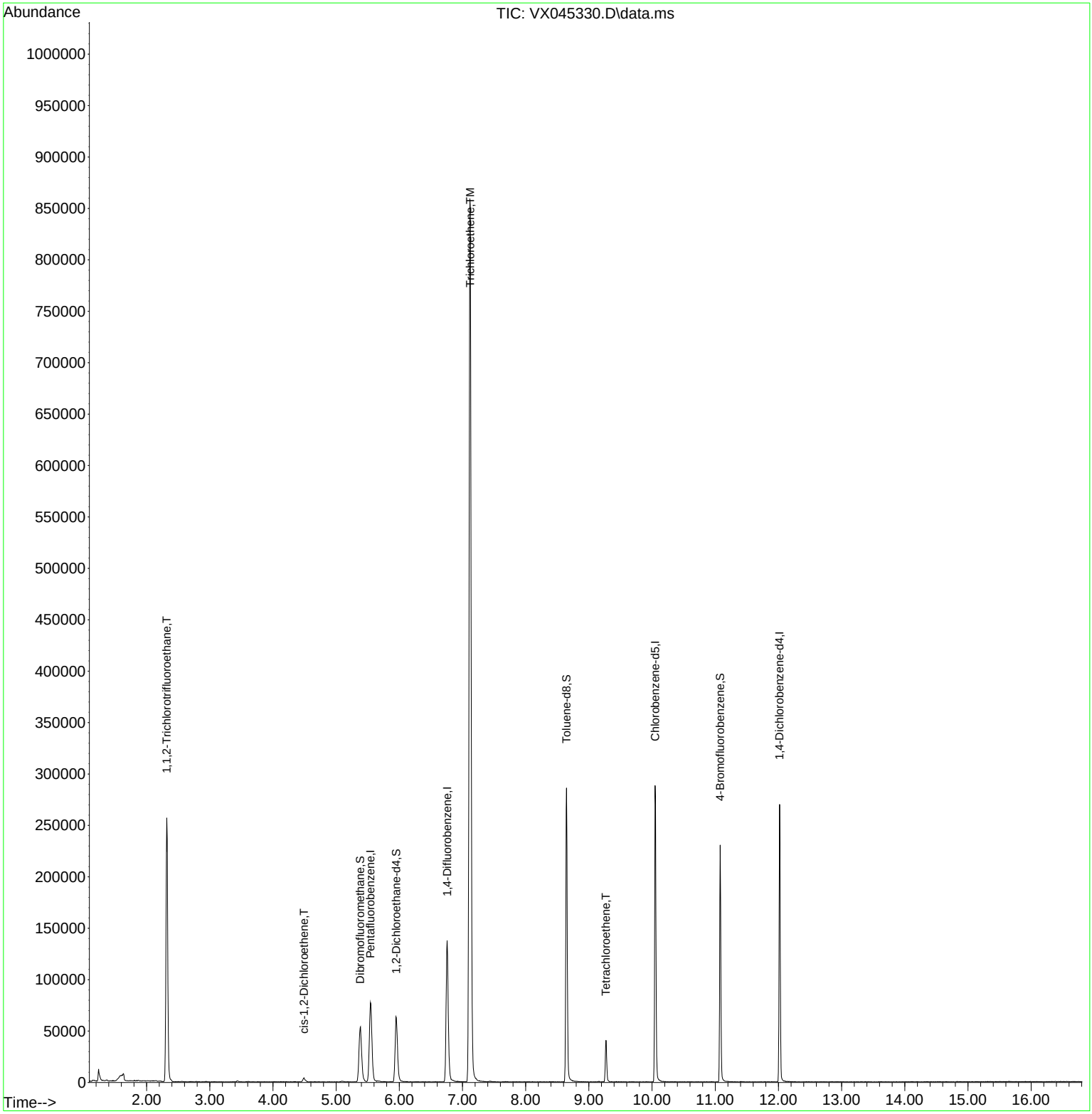
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134006	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60232	55.631	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.260%			
35) Dibromofluoromethane	5.379	113	46719	52.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.647	98	166985	51.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	59036	54.842	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.680%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.318	101	100646	127.222	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	2327	2.281	ug/l	95
44) Trichloroethene	7.123	130	317643	348.611	ug/l	100
64) Tetrachloroethene	9.268	164	7527	9.554	ug/l	88

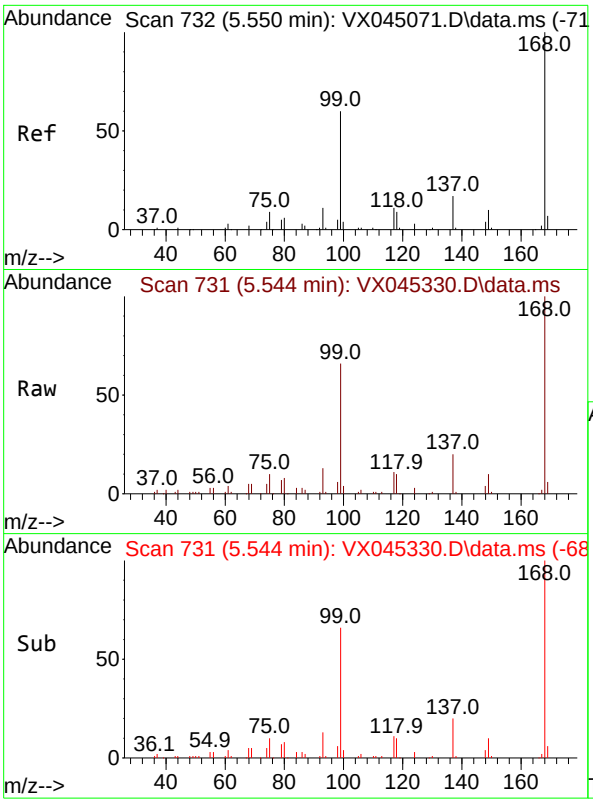
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045330.D
Acq On : 18 Mar 2025 17:10
Operator : JC/MD
Sample : Q1559-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Quant Time: Mar 19 01:47:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



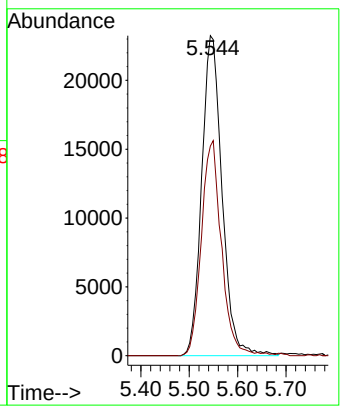


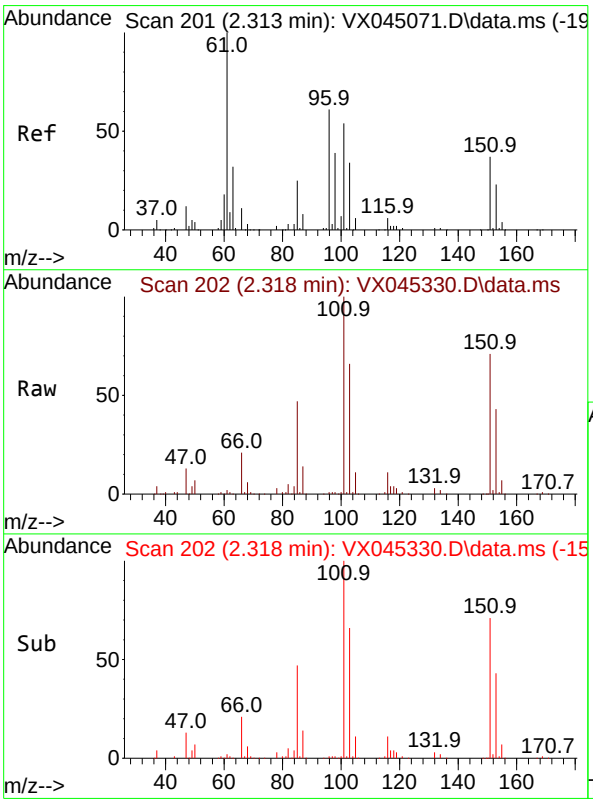
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion:168 Resp: 68067

Ion	Ratio	Lower	Upper
168	100		
99	65.5	48.2	72.4

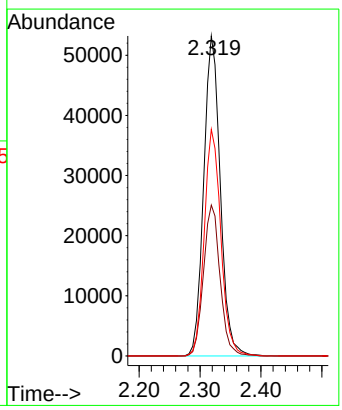


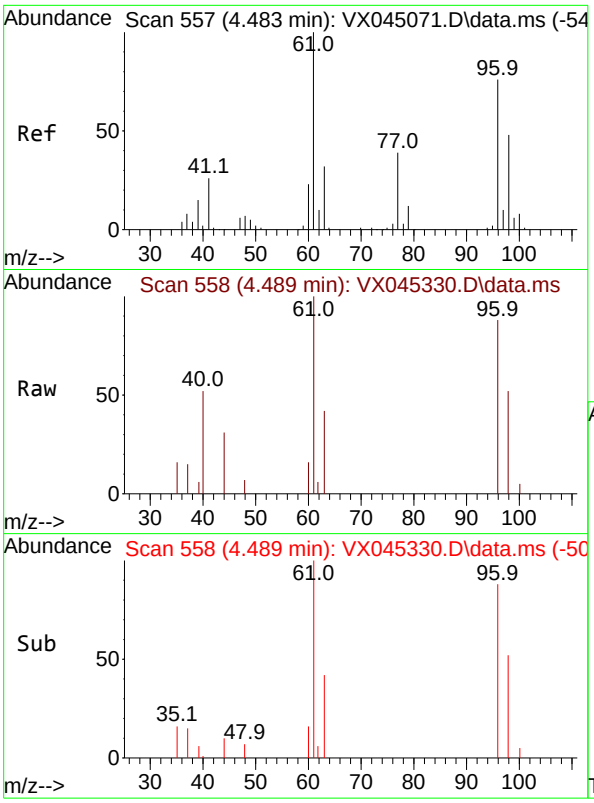


#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.222 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:101 Resp: 100646

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	70.8	56.4	84.6



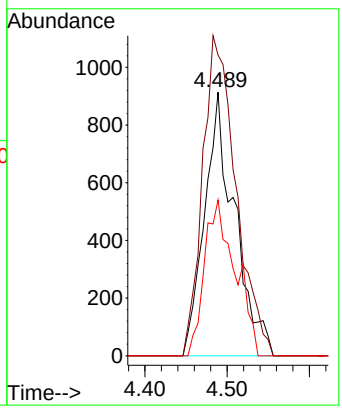


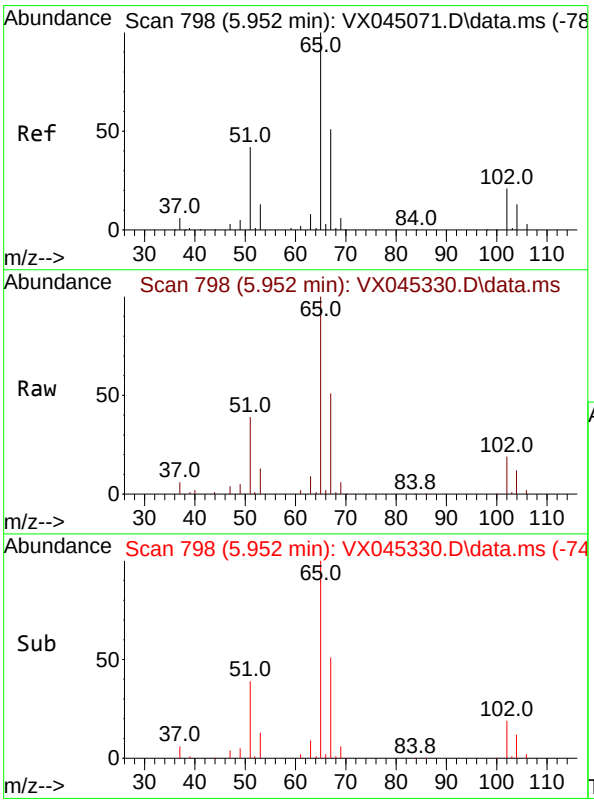
#27
cis-1,2-Dichloroethene
Concen: 2.281 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion: 96 Resp: 2327

Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	283.2
98	60.3	0.0	128.0

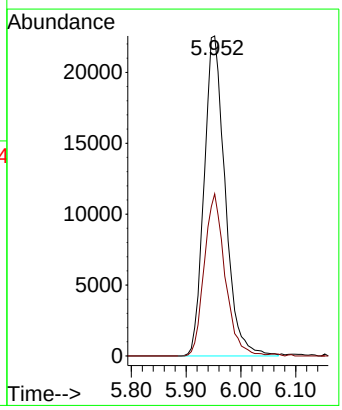


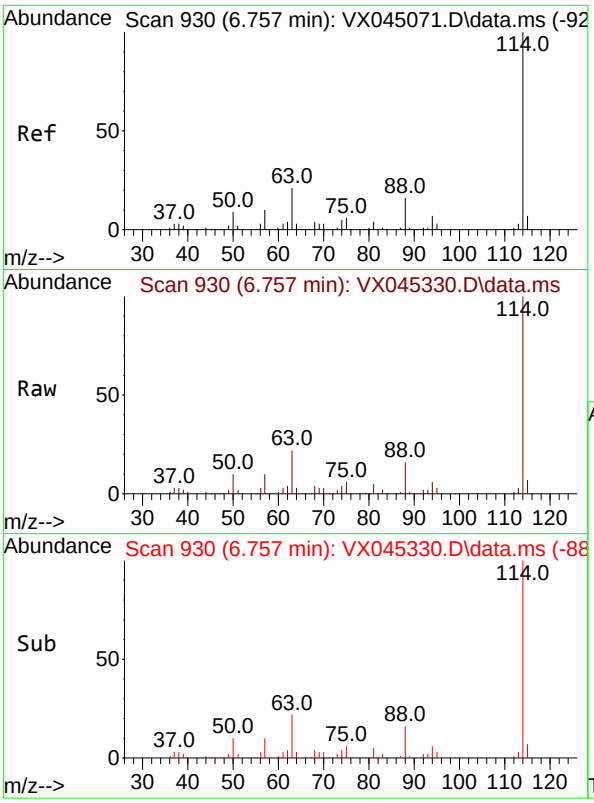


#33
1,2-Dichloroethane-d4
Concen: 55.631 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 65 Resp: 60232

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	106.2



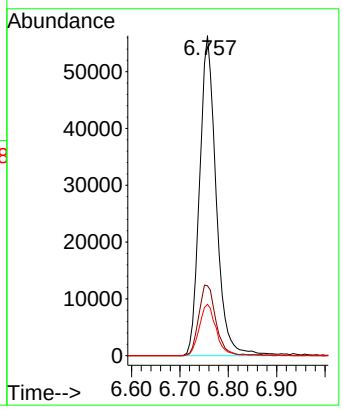


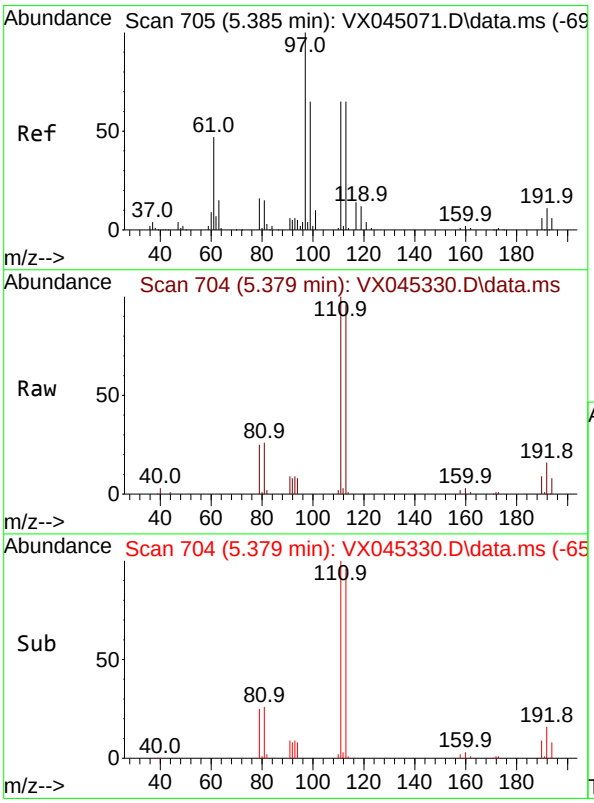
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion:114 Resp: 134006

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	16.0	0.0	32.8

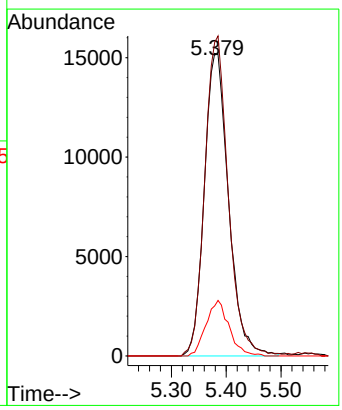


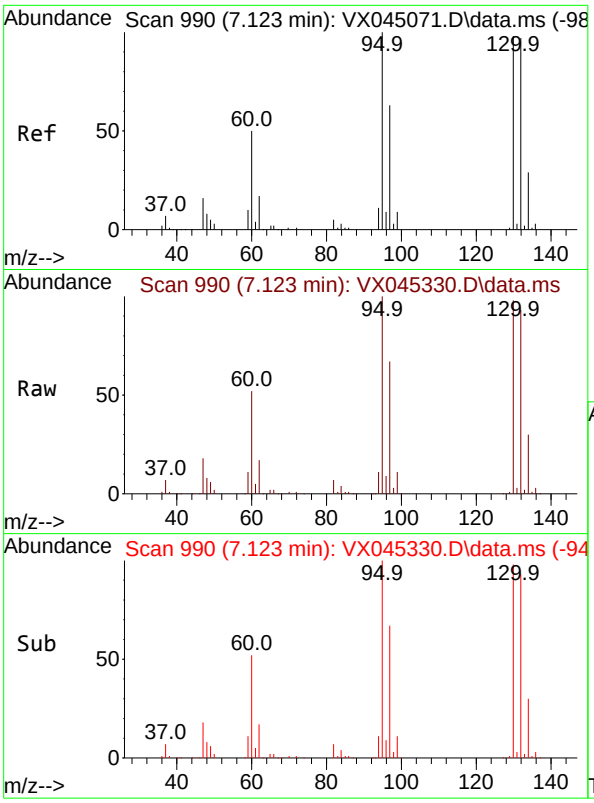


#35
Dibromofluoromethane
Concen: 52.138 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:113 Resp: 46719

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	17.5	14.3	21.5



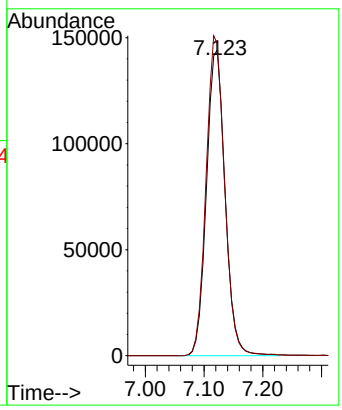


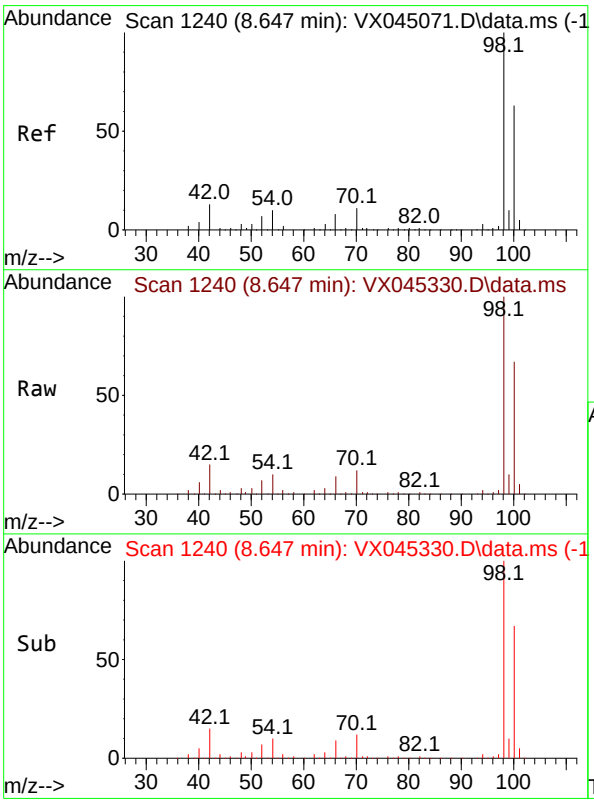
#44
Trichloroethene
Concen: 348.611 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion:130 Resp: 317643

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.0

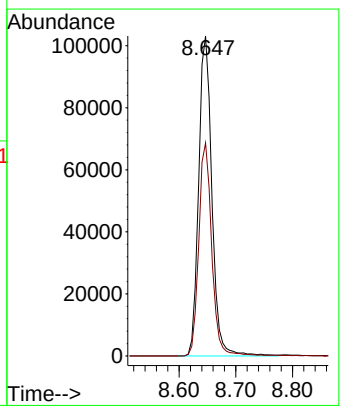


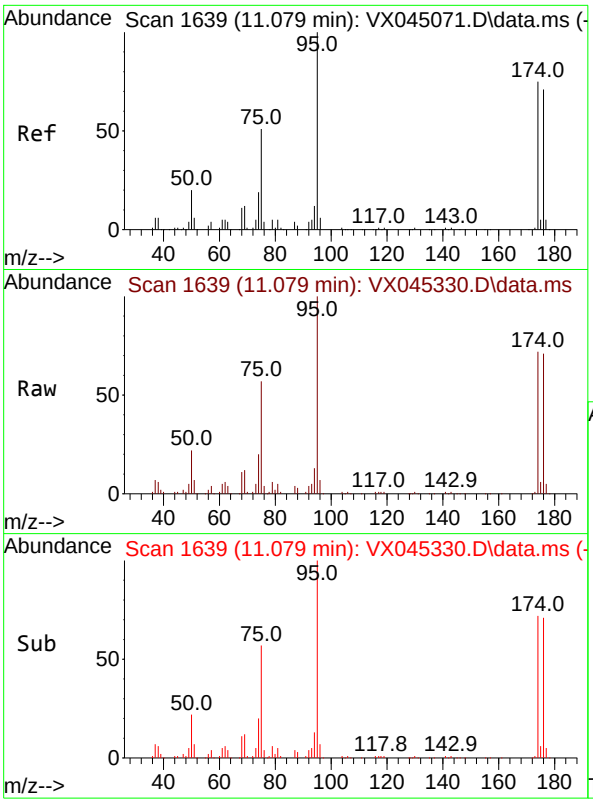


#50
Toluene-d8
Concen: 51.403 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 98 Resp: 166985

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0



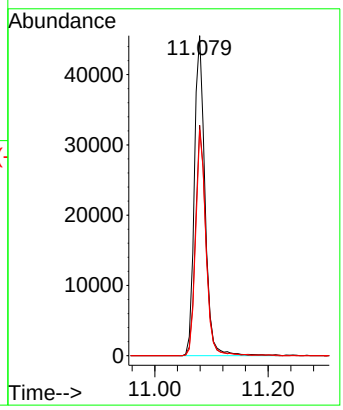


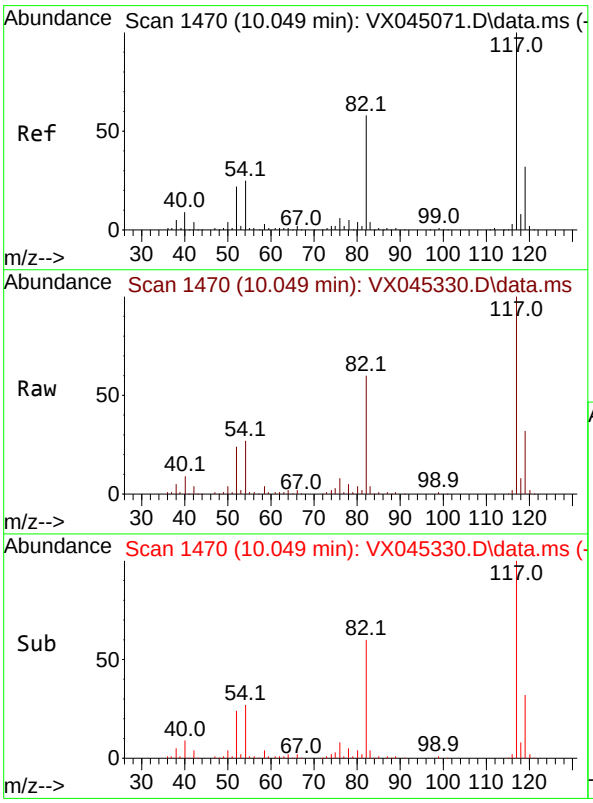
#62
4-Bromofluorobenzene
Concen: 54.842 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion: 95 Resp: 59036

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	148.2
176	67.9	0.0	141.4

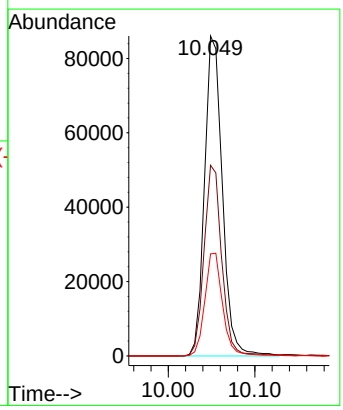


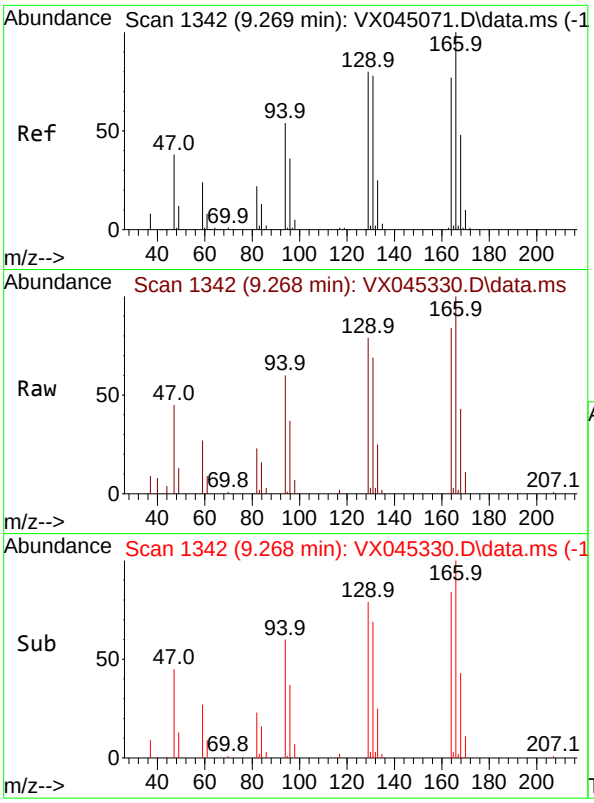


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:117 Resp: 123016

Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.3	69.5
119	31.9	25.7	38.5



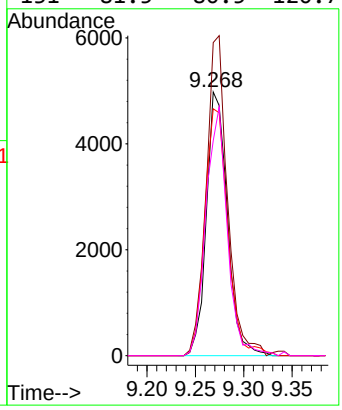


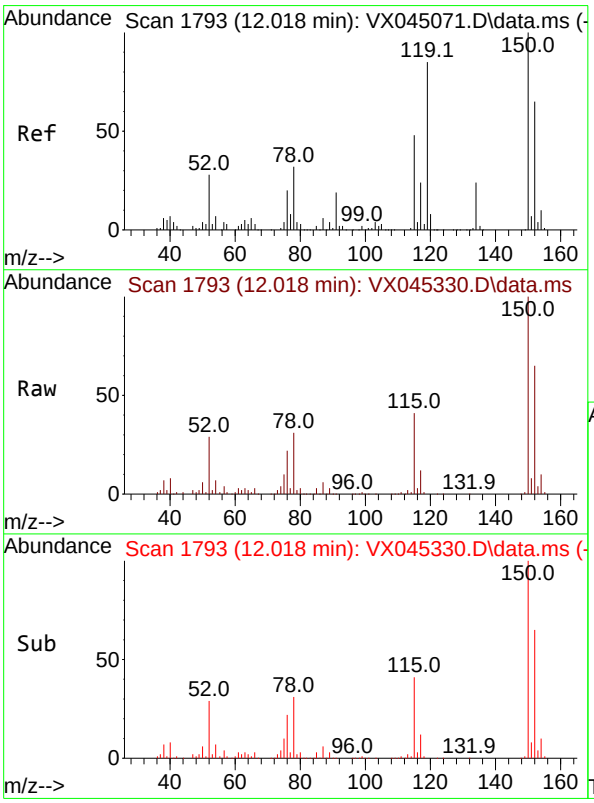
#64
Tetrachloroethene
Concen: 9.554 ug/l
RT: 9.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

Tgt Ion:164 Resp: 7527

Ion	Ratio	Lower	Upper
164	100		
166	118.7	103.6	155.4
129	93.6	82.7	124.1
131	81.5	80.5	120.7

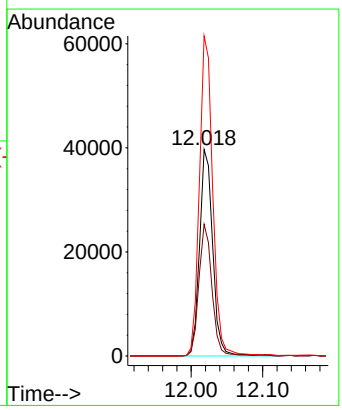




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:152 Resp: 50819

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.2	132.6
150	157.0	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-22DL	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
VX045353.D	10		03/20/25 12:07	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
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	130	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	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
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	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
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	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
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	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	350	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-22DL	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
VX045353.D	10		03/20/25 12:07	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	9.40	JD	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
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72800	5.544				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	48600	12.024				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	RE120D2-20250312DL	SDG No.:	Q1559
Lab Sample ID:	Q1559-22DL	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
VX045353.D	10		03/20/25 12:07	VX032025

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\VX032025\
Data File : VX045353.D
Acq On : 20 Mar 2025 12:07
Operator : JC/MD
Sample : Q1559-22DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Quant Time: Mar 21 01:45:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

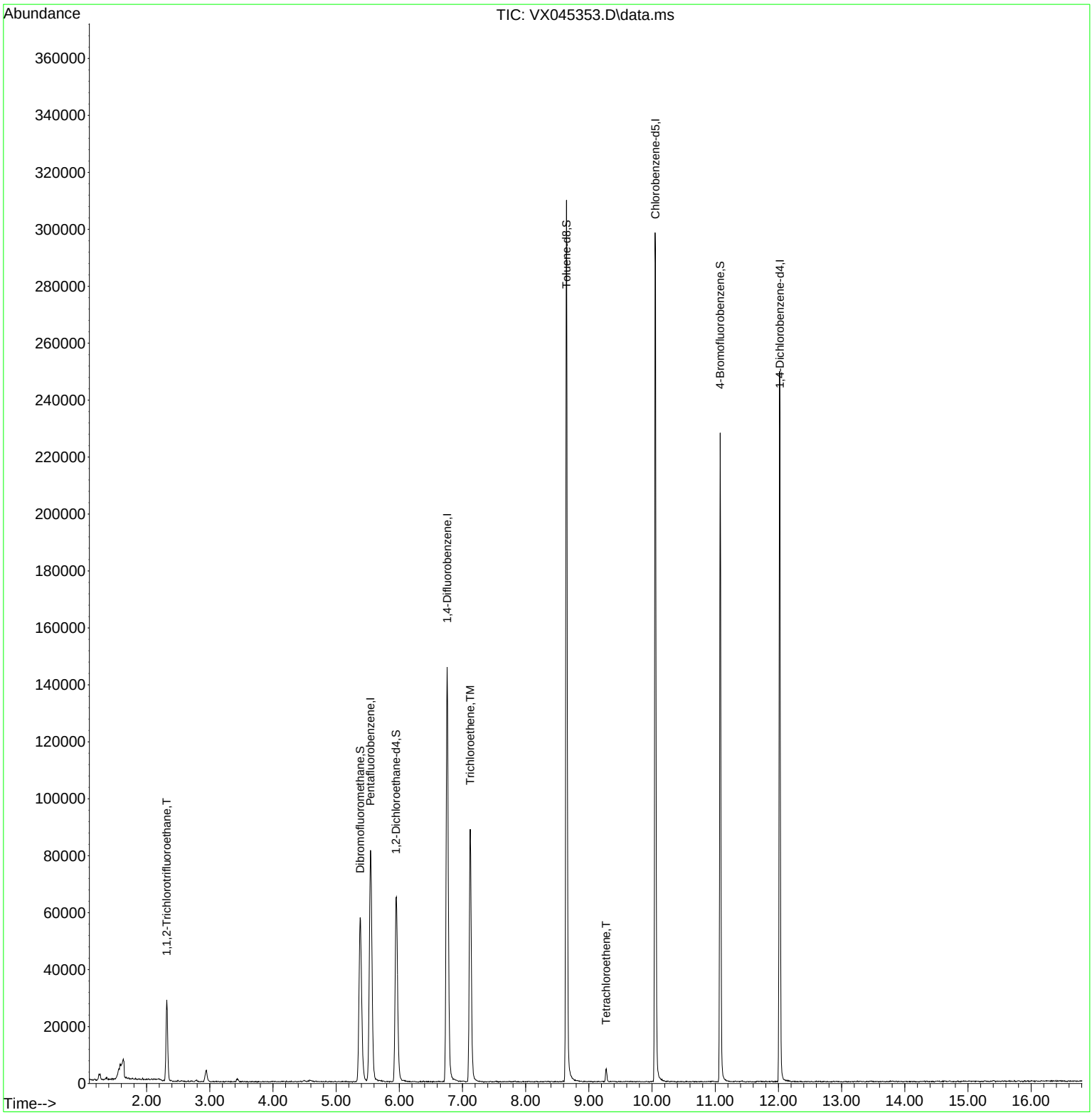
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63476	54.810	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.620%			
35) Dibromofluoromethane	5.379	113	49703	52.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	8.647	98	177305	51.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%			
62) 4-Bromofluorobenzene	11.079	95	58857	51.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.400%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	10962	12.954	ug/l	99
44) Trichloroethene	7.123	130	33503	34.769	ug/l	98
64) Tetrachloroethene	9.275	164	765	0.935	ug/l #	84

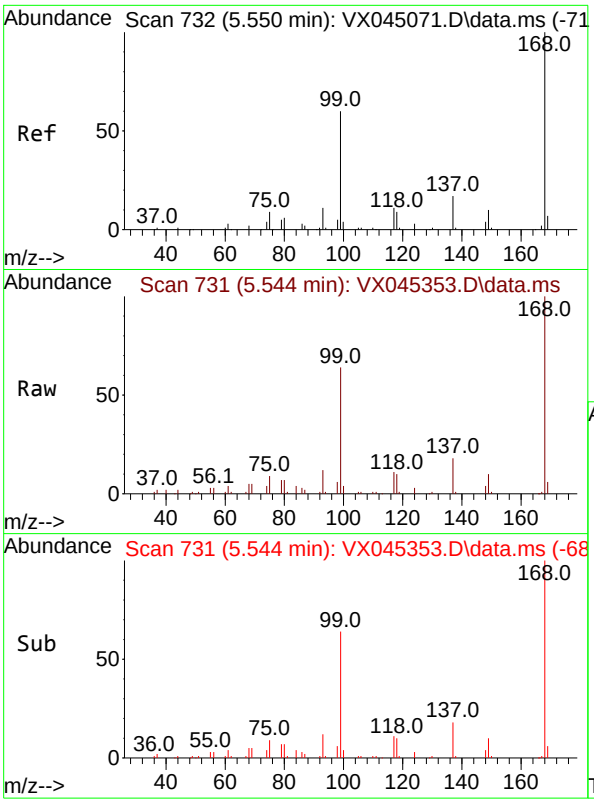
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045353.D
Acq On : 20 Mar 2025 12:07
Operator : JC/MD
Sample : Q1559-22DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Quant Time: Mar 21 01:45:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



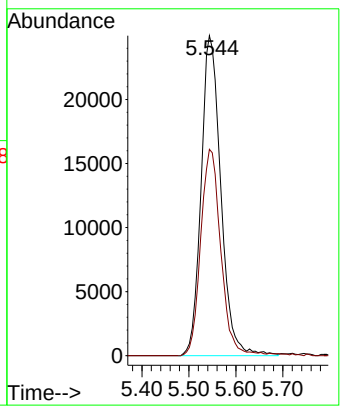


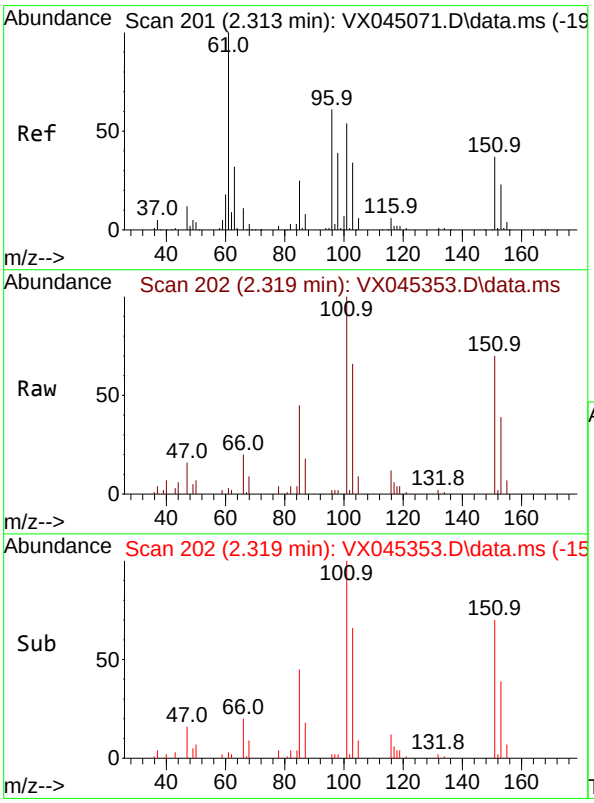
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion:168 Resp: 72808

Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.2	72.4

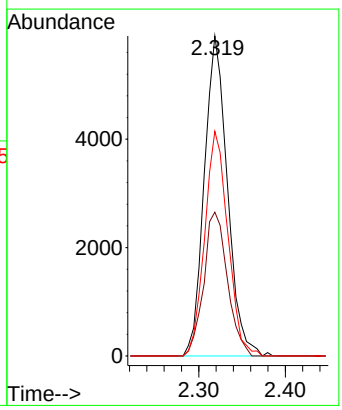


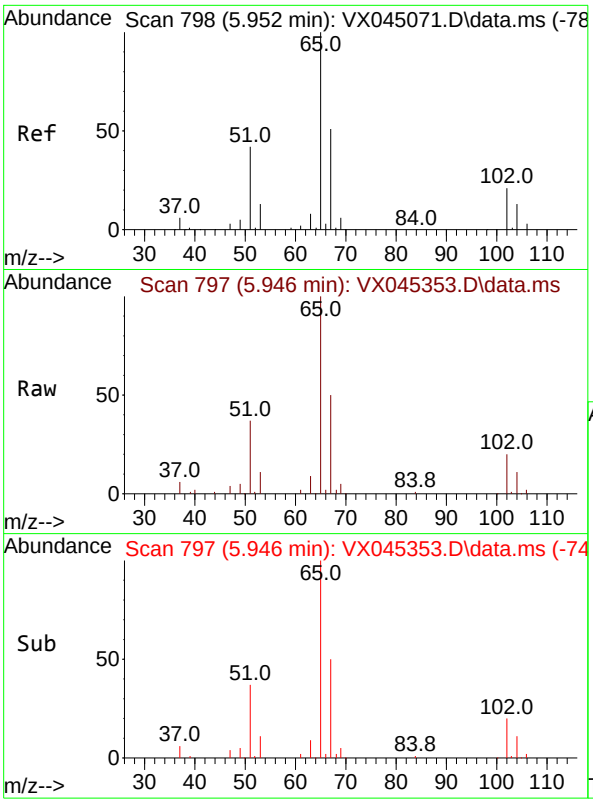


#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.954 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion:101 Resp: 10962

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.3	56.4	84.6



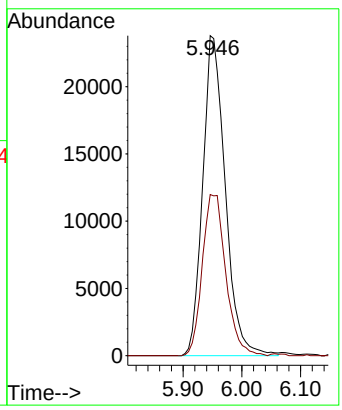


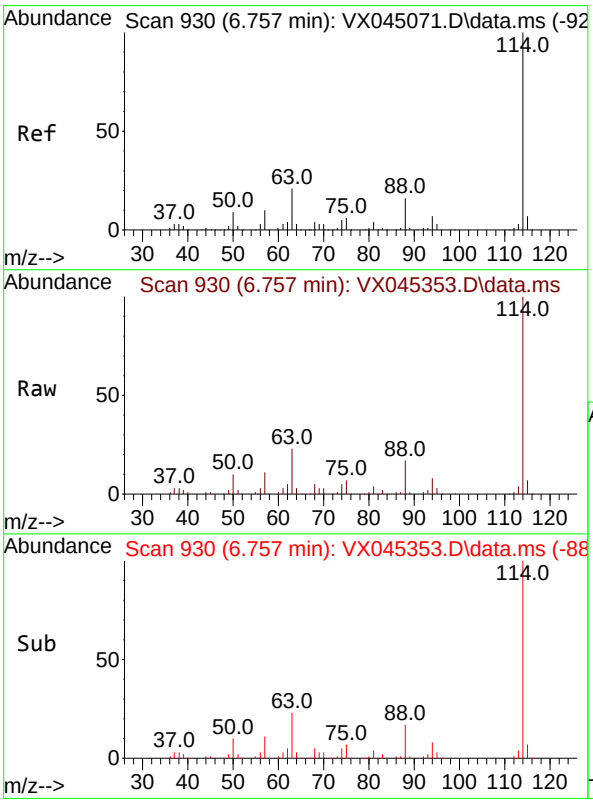
#33
1,2-Dichloroethane-d4
Concen: 54.810 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion: 65 Resp: 63476

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2

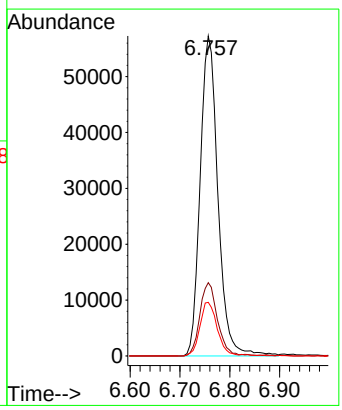


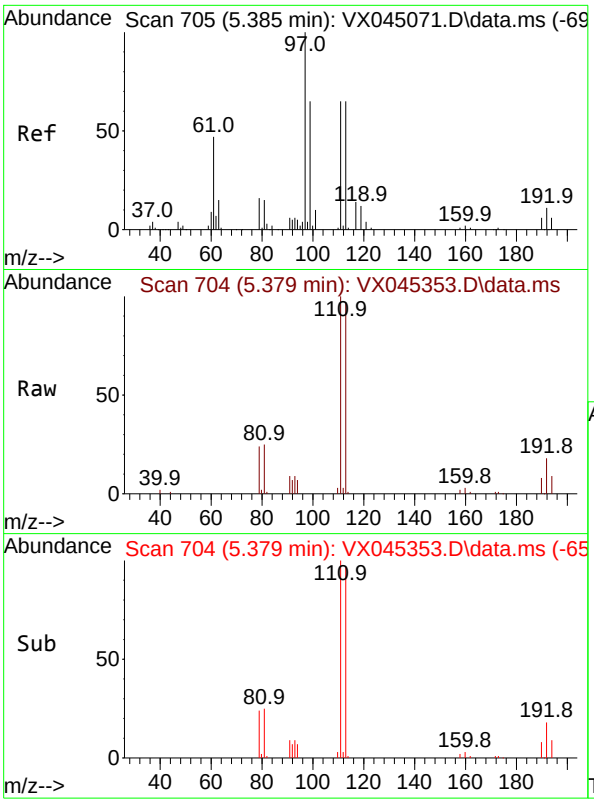


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion:114 Resp: 141715

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	16.7	0.0	32.8



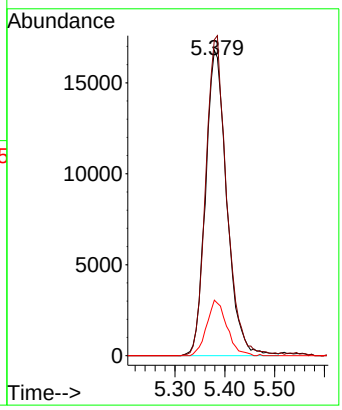


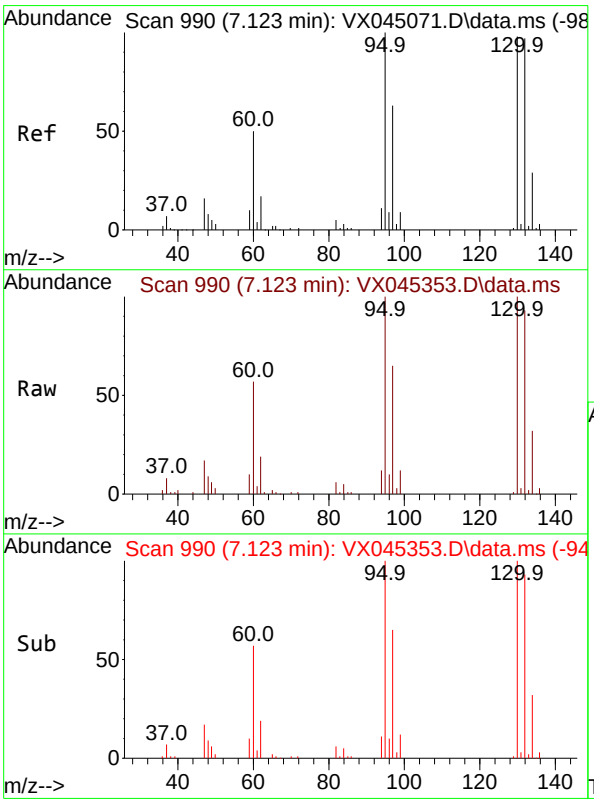
#35
Dibromofluoromethane
Concen: 52.451 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion:113 Resp: 49703

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	17.2	14.3	21.5

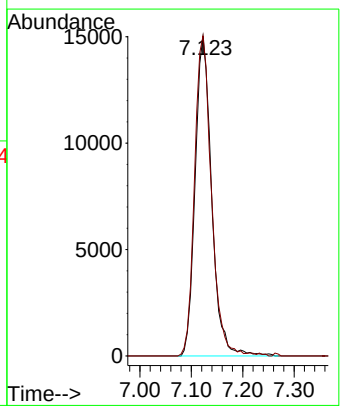


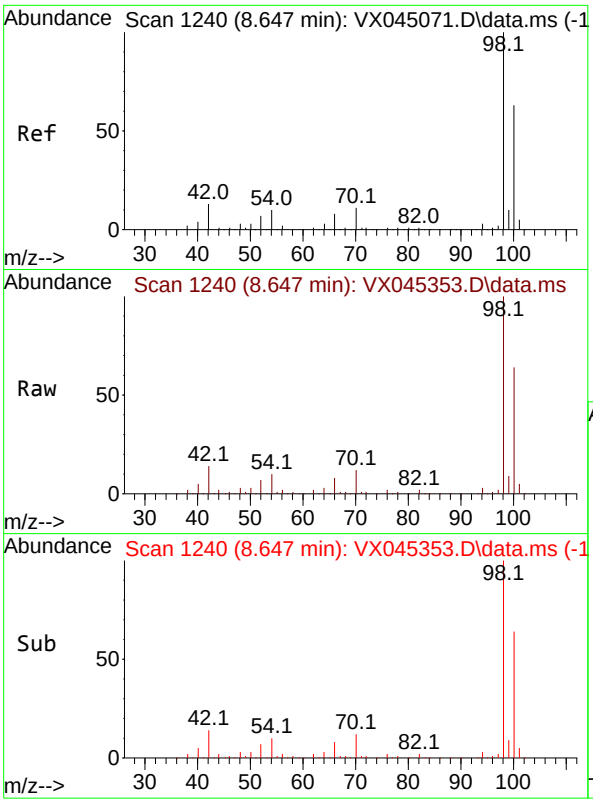


#44
Trichloroethene
Concen: 34.769 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion:130 Resp: 33503

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	205.0



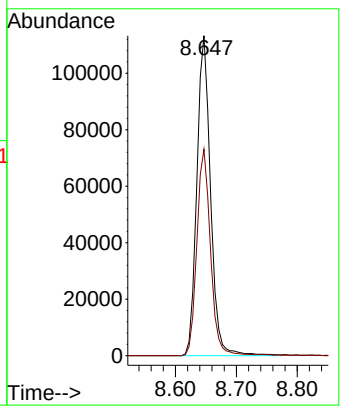


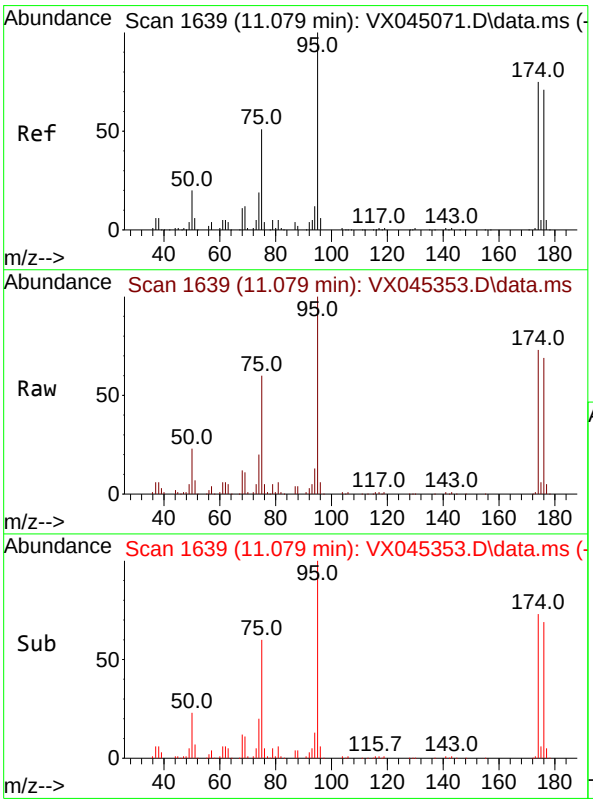
#50
Toluene-d8
Concen: 51.611 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion: 98 Resp: 177305

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

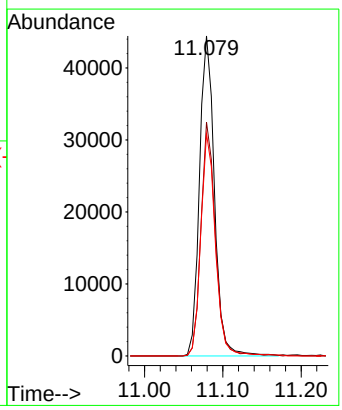


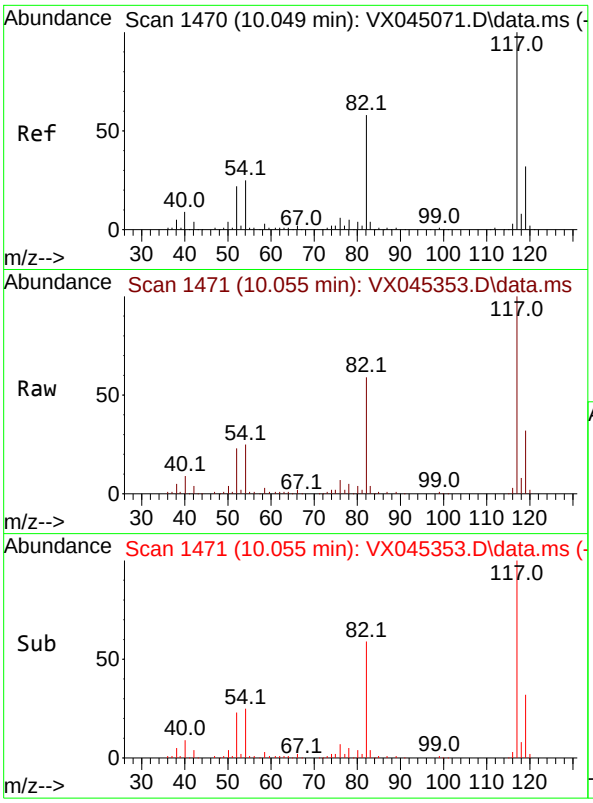


#62
4-Bromofluorobenzene
Concen: 51.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion: 95 Resp: 58857

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	148.2
176	68.2	0.0	141.4



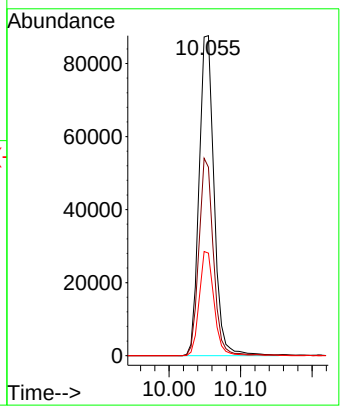


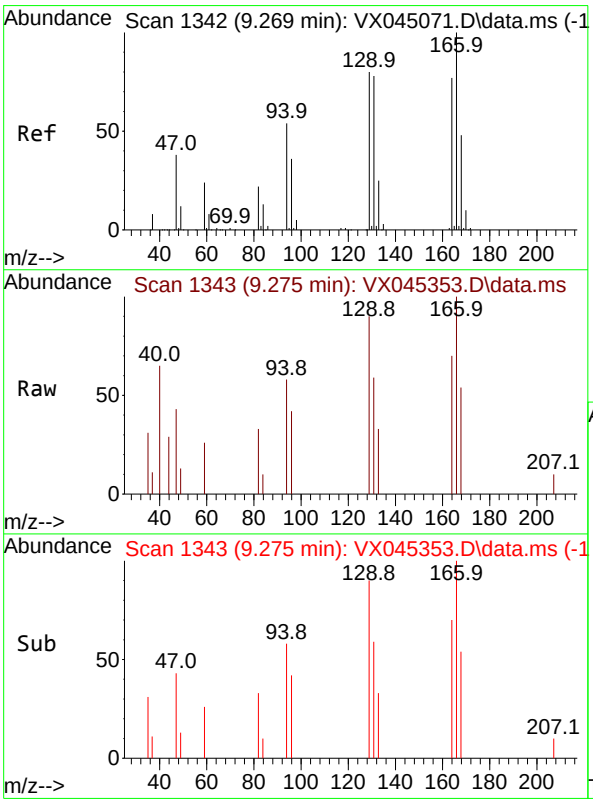
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion:117 Resp: 127752

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	32.1	25.7	38.5

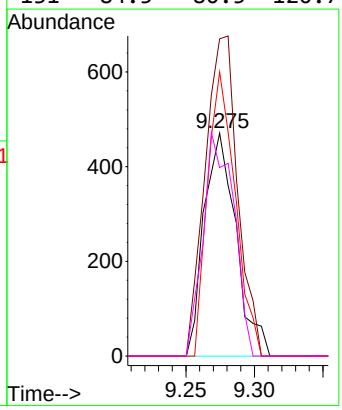


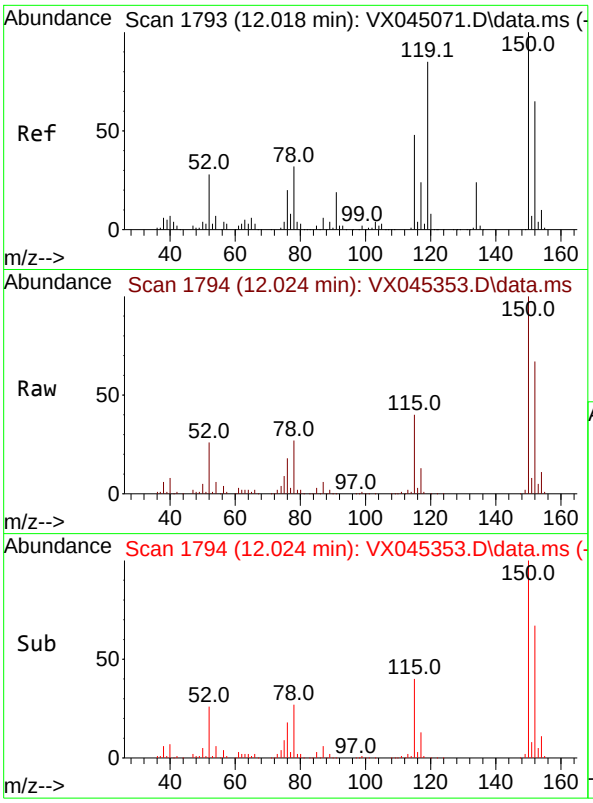


#64
Tetrachloroethene
Concen: 0.935 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion:164 Resp: 765

Ion	Ratio	Lower	Upper
164	100		
166	142.3	103.6	155.4
129	127.4	82.7	124.1#
131	84.5	80.5	120.7



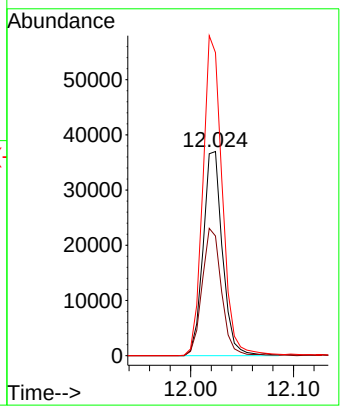


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion:152 Resp: 48615

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.2	132.6
150	155.9	0.0	349.0



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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

* 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 : 82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025
Response Via : Initial Calibration

Calibration Files
1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3)	P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4)	C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5)	T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6)	T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7)	T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8)	T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9)	T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10)	T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11)	T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12)	CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13)	T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14)	T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15)	T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16)	T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17)	T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18)	T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19)	T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20)	T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21)	T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22)	T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23)	T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24)	P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25)	T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26)	T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27)	T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28)	T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29)	T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30)	C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31)	T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32)	T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33)	S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36)	T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37)	T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38)	T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39)	T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40)	TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41)	T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42)	TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43)	T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44)	TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45)	C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46)	T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47)	T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48)	T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49)	T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50)	S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51)	T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52)	CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53)	T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54)	T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55)	T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56)	T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...		0.383	0.393	0.402	0.410	0.421	0.402	3.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...		0.268	0.313	0.339	0.376	0.405	0.340	15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	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	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
6) Chloroethane	1.673	64	766m	0.992	ug/l		
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l		
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l		
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l		
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	7.586	93	891	0.897 ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927 ug/l	#	85
48) Methyl methacrylate	7.714	41	1328m	0.825 ug/l		
49) 1,4-Dioxane	7.684	88	639	18.144 ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567 ug/l		95
52) Toluene	8.720	92	2700	0.841 ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700 ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804 ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004 ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748 ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920 ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320 ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153 ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835 ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890 ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986 ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908 ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978 ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846 ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630 ug/l		97
69) o-Xylene	10.640	106	1949	0.891 ug/l		95
70) Styrene	10.665	104	2810	0.802 ug/l		97
71) Bromoform	10.799	173	667	0.768 ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858 ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954 ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015 ug/l		
77) Bromobenzene	11.201	156	1166	0.972 ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773 ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815 ug/l		94
82) 4-Chlorotoluene	11.457	91	3631	0.904 ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929 ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827 ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752 ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797 ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913 ug/l		96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962 ug/l		
89) n-Butylbenzene	12.335	91	2470	0.691 ug/l		93
90) Hexachloroethane	12.536	117	609	0.805 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859 ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706 ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917 ug/l		94
95) Naphthalene	13.780	128	3337	0.707 ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759 ug/l		93

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

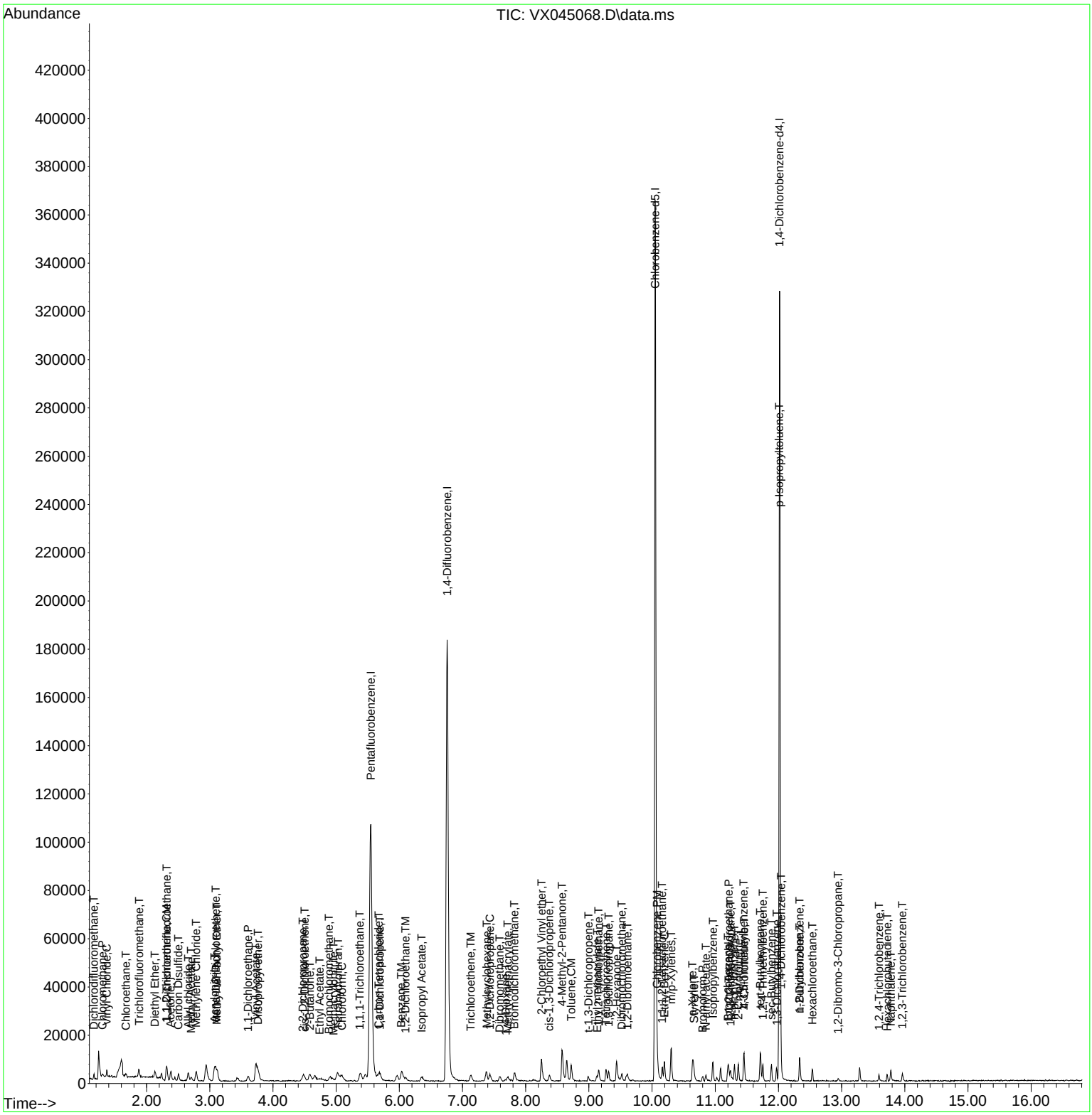
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

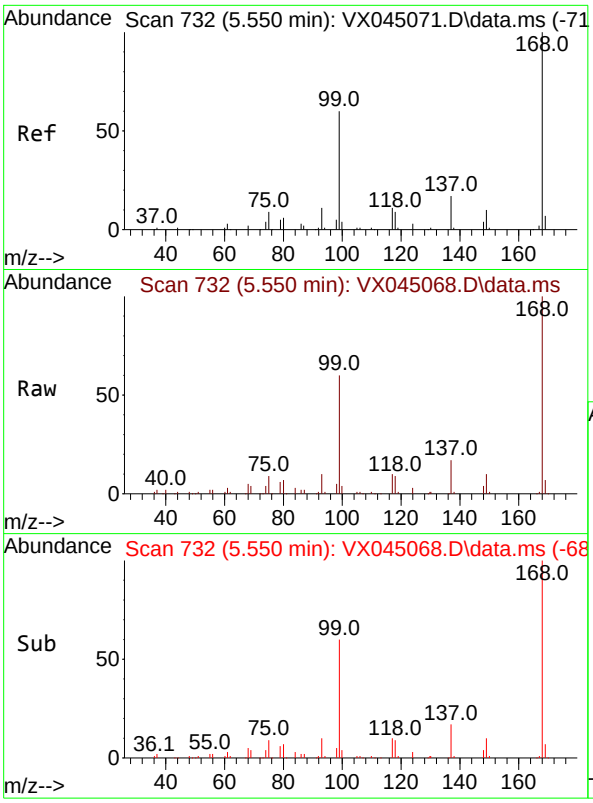
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

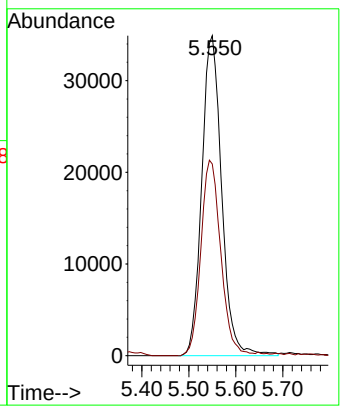




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

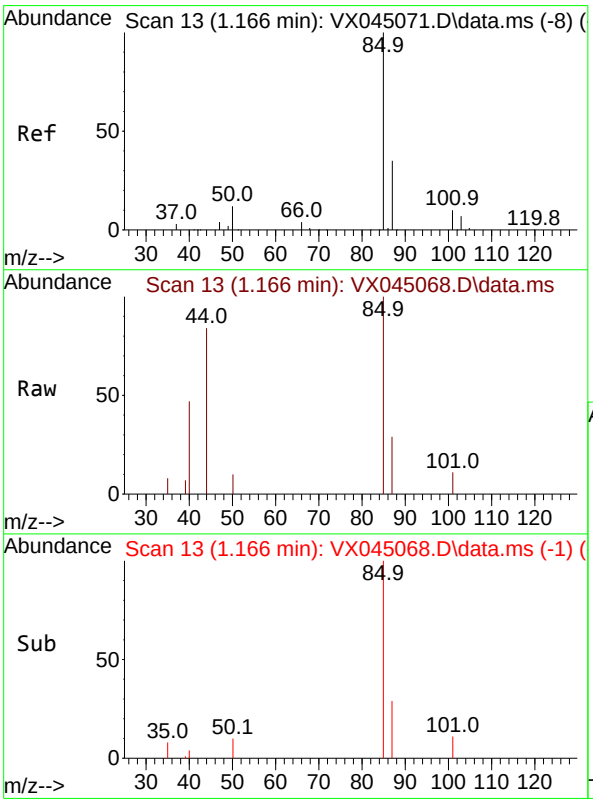
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

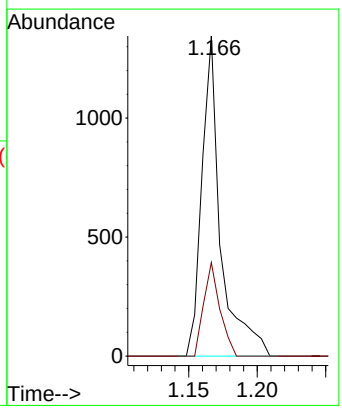
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

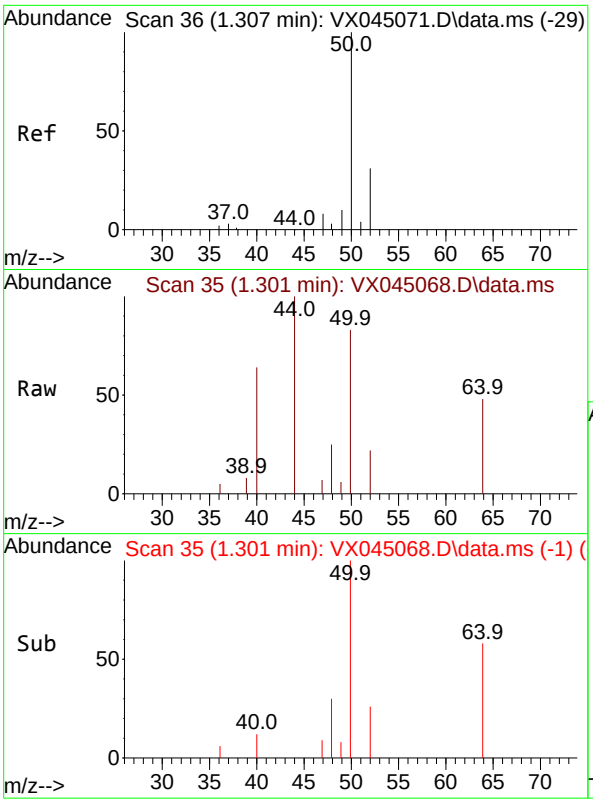


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

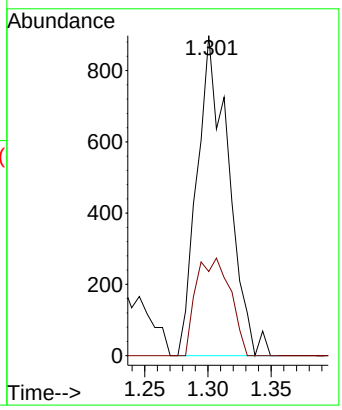




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

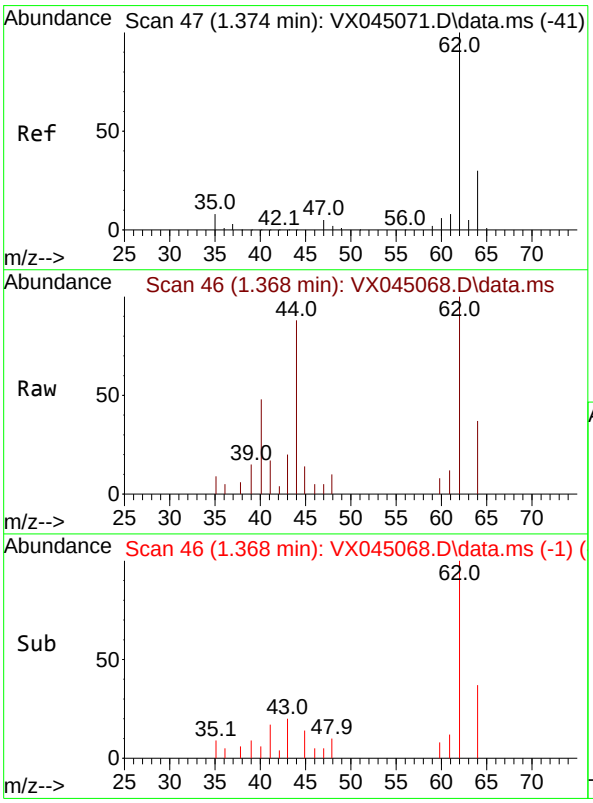
Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

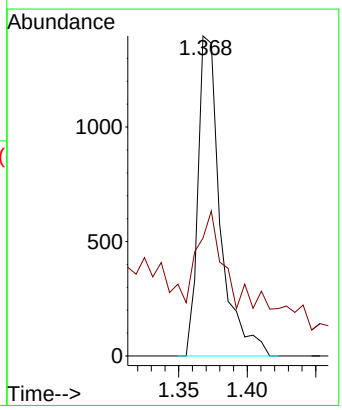
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

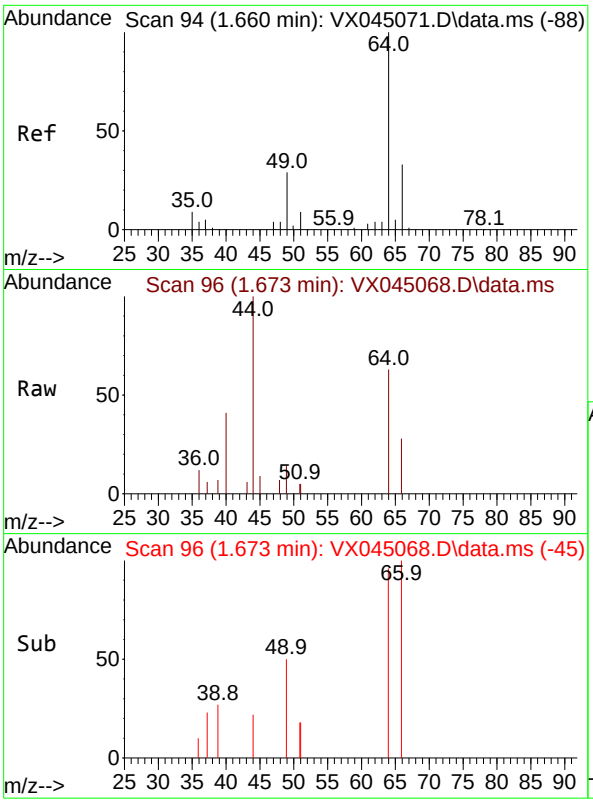


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

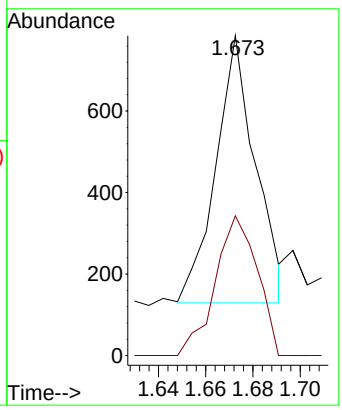




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

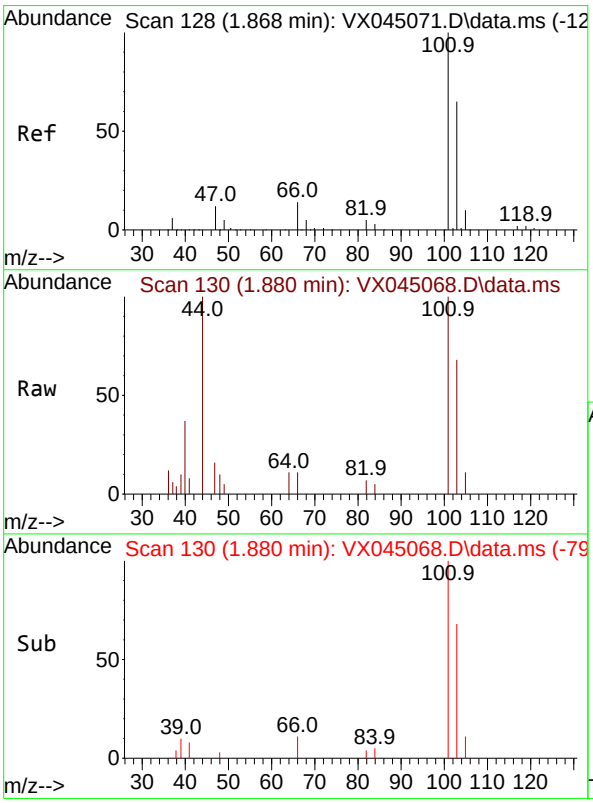
Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

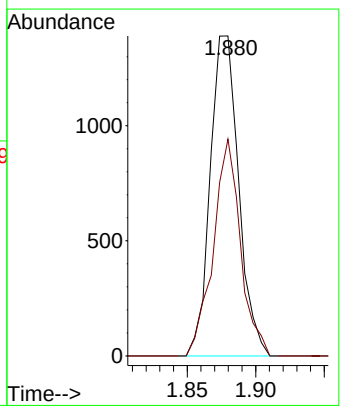
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

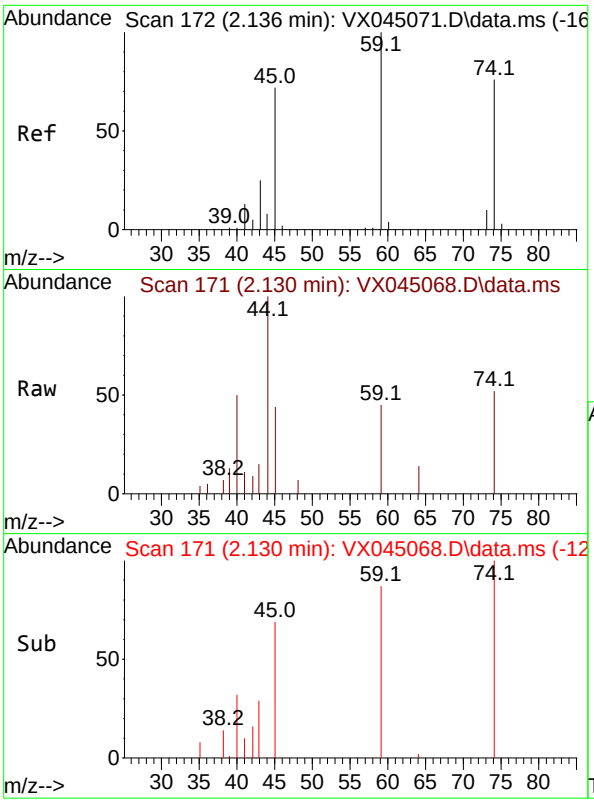


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

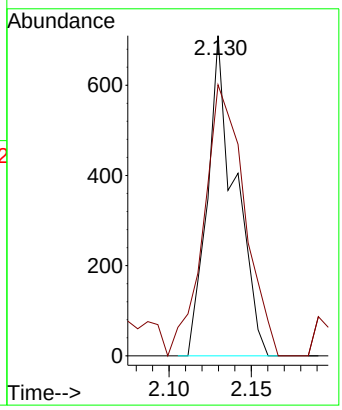




#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 83

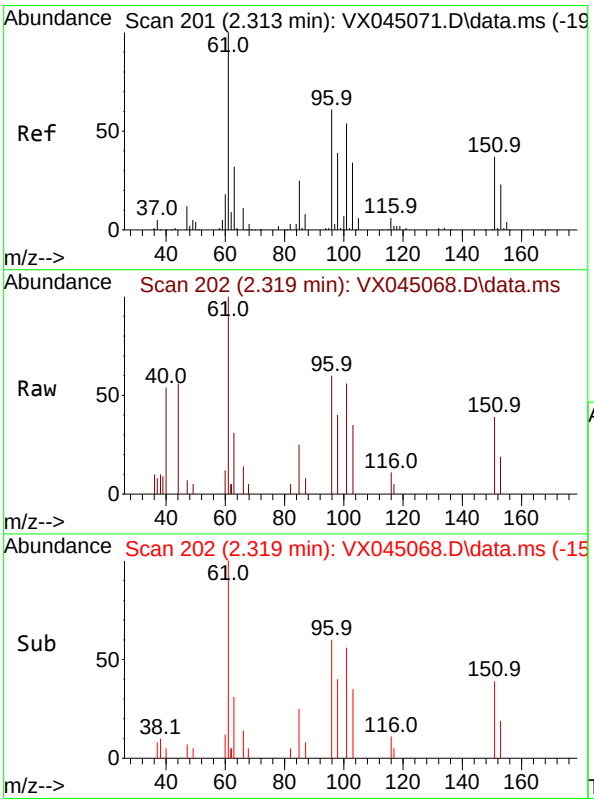
Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

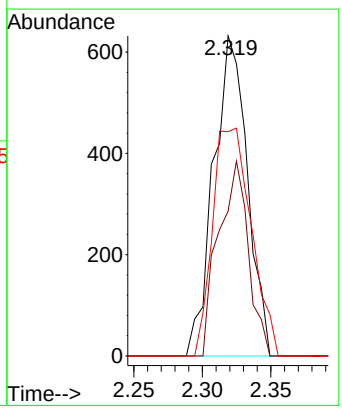
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

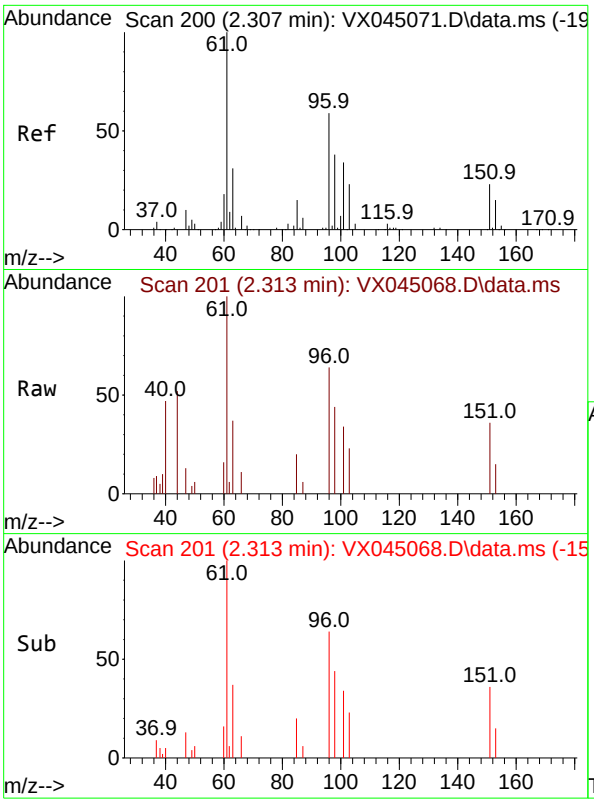


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

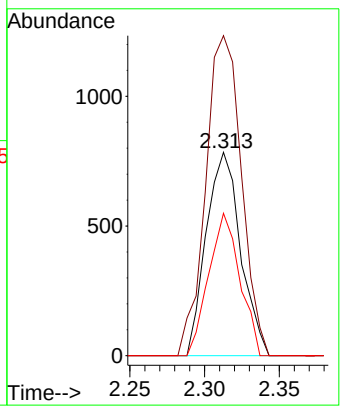




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

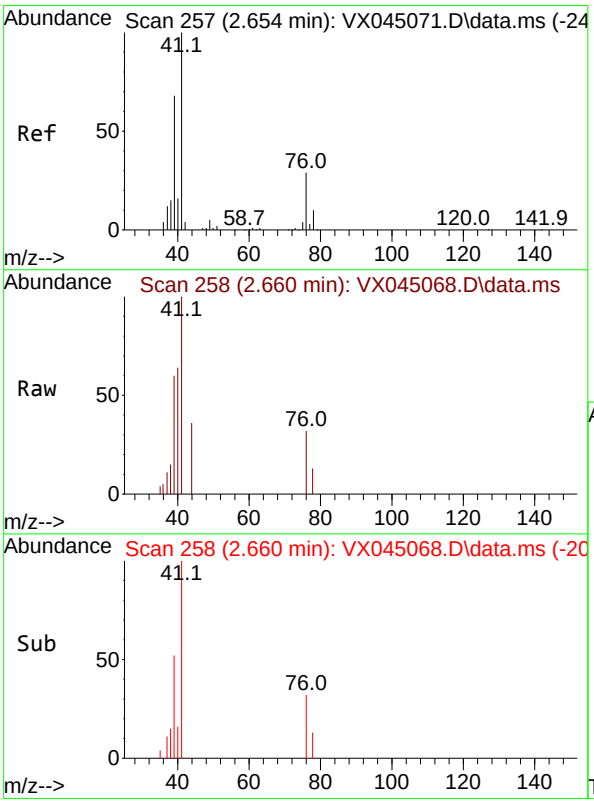
Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

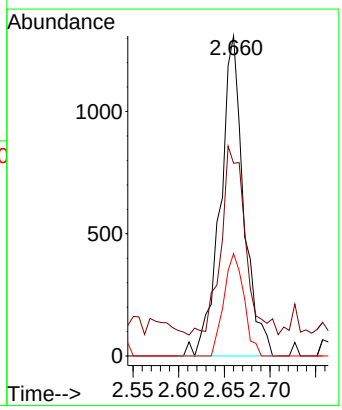
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

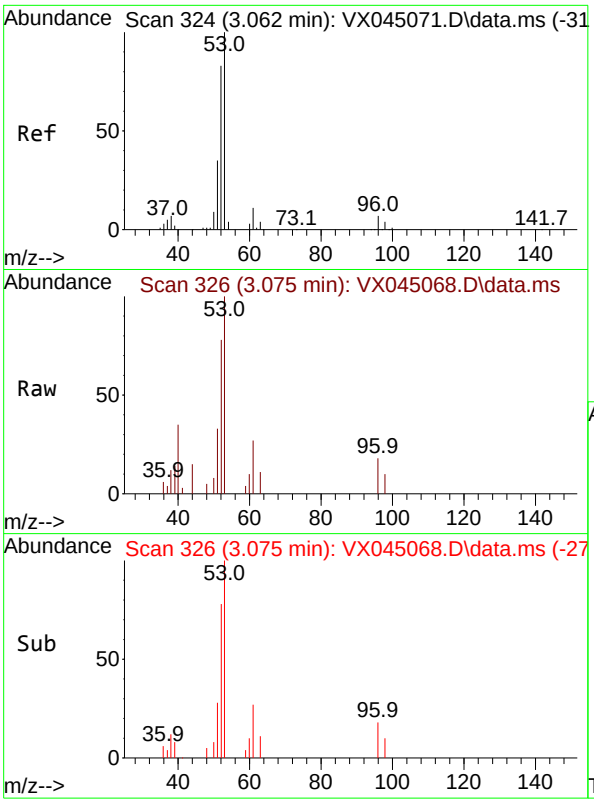


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8

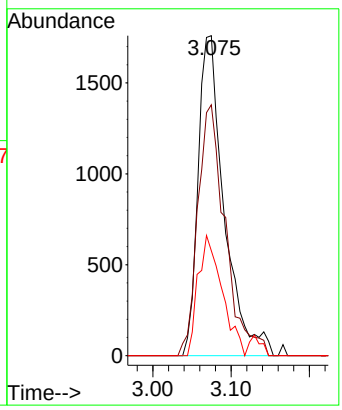




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

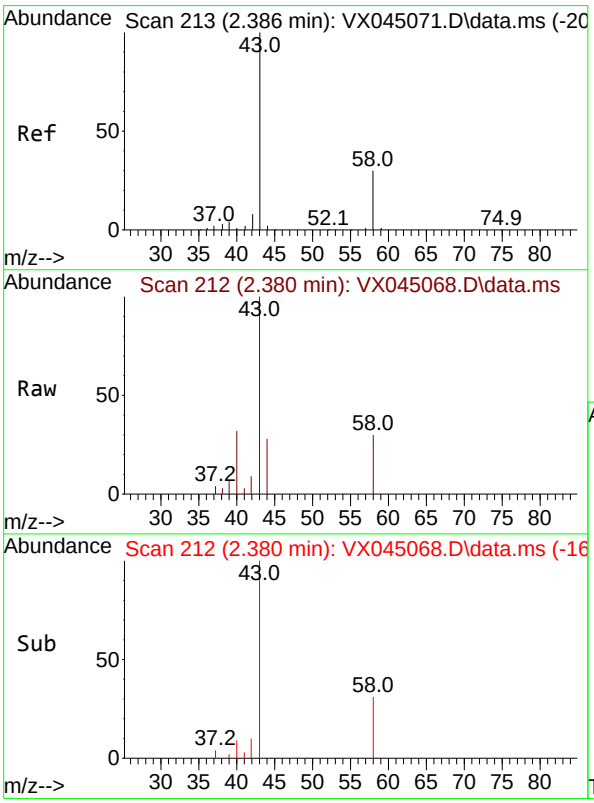
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

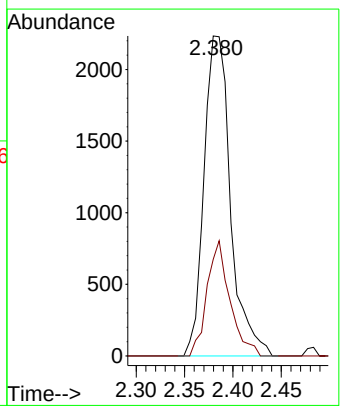
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

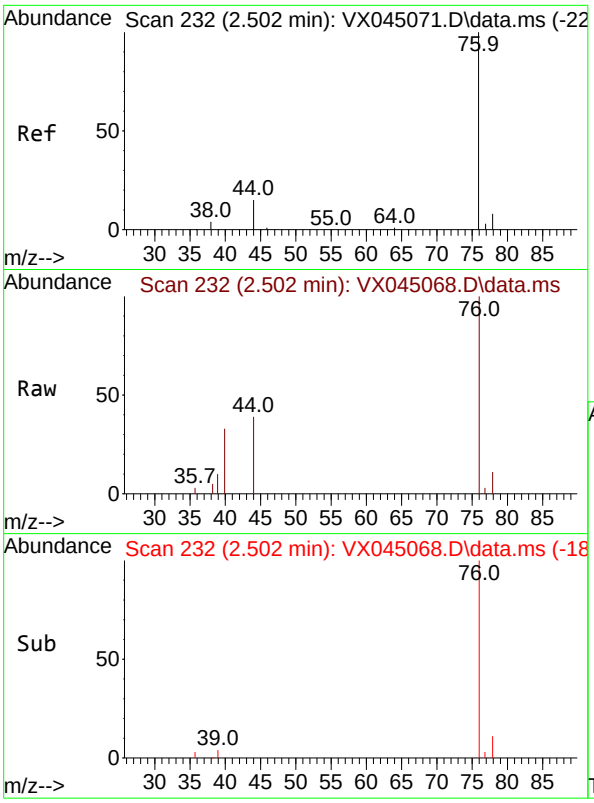


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4

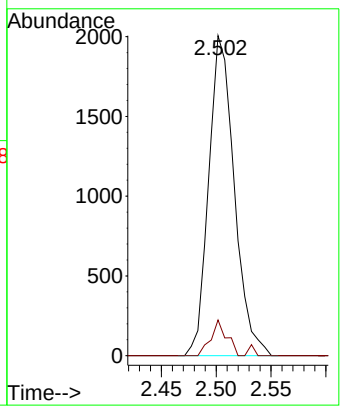




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 325

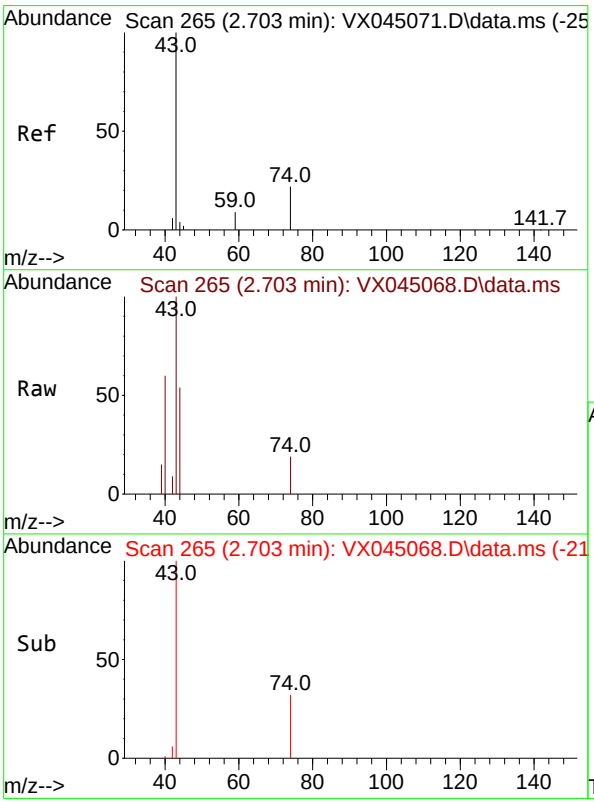
Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

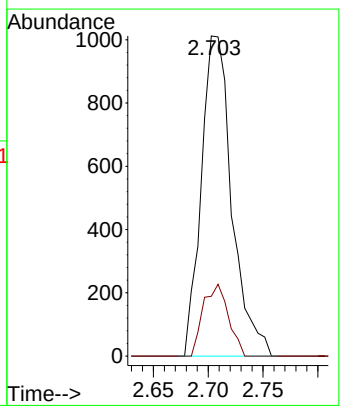
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

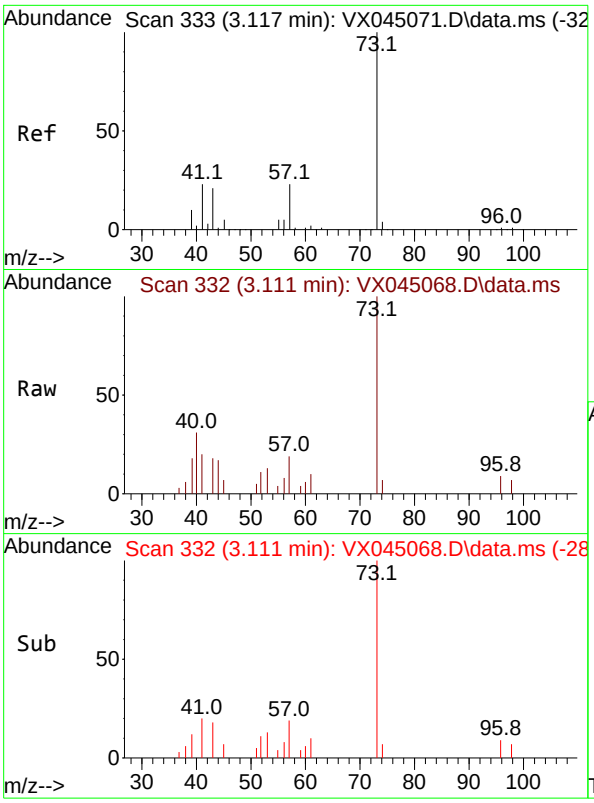


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

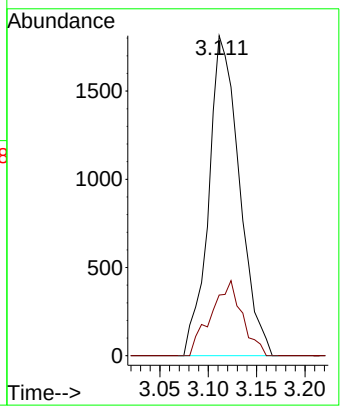




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

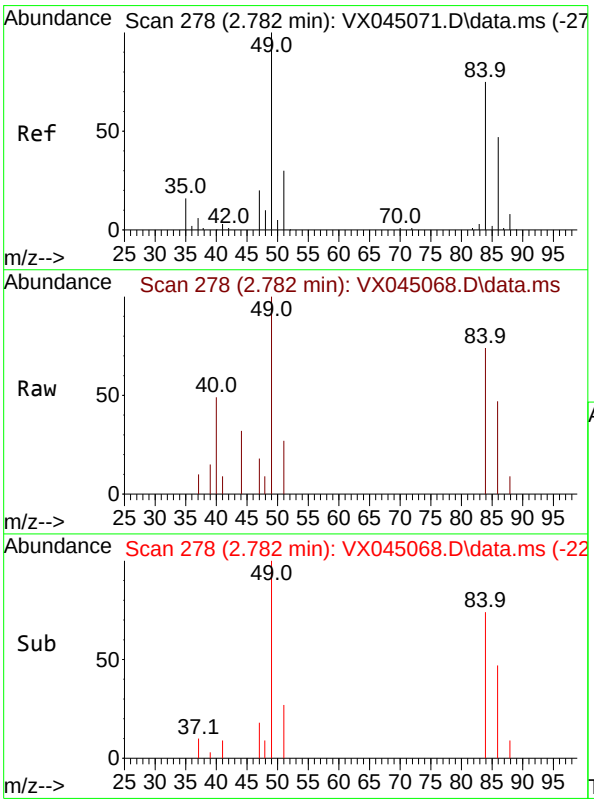
Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

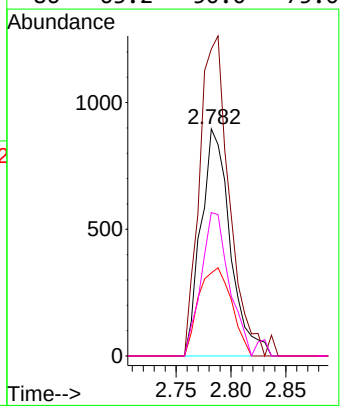
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

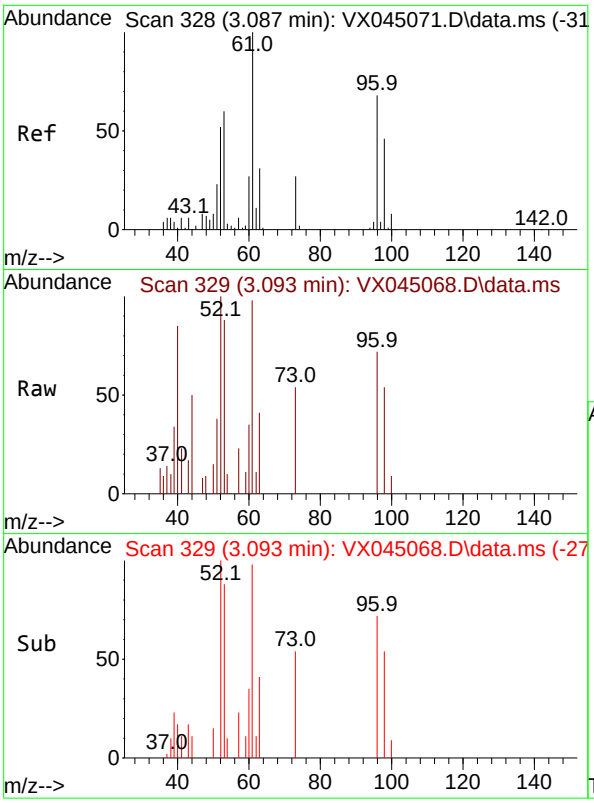


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0

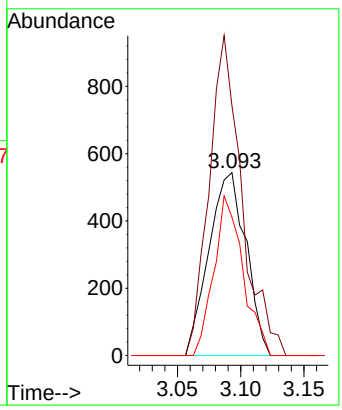




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 110

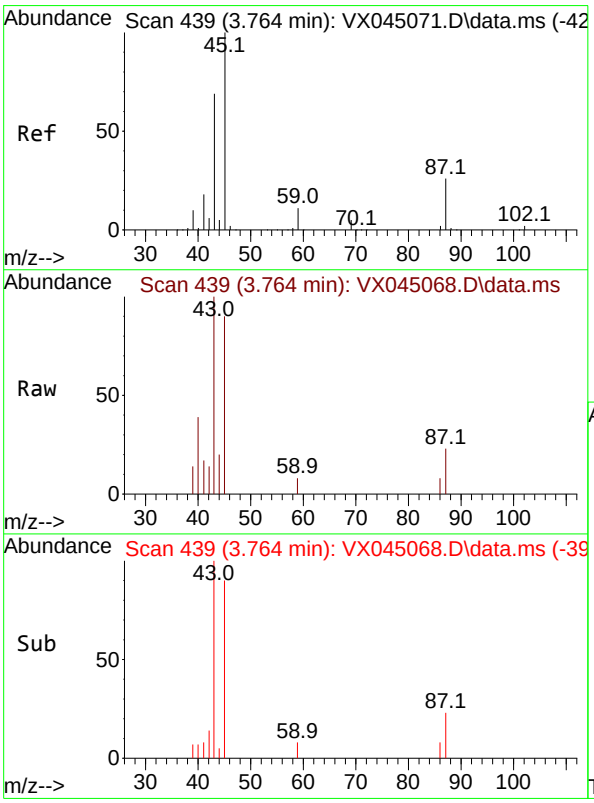
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

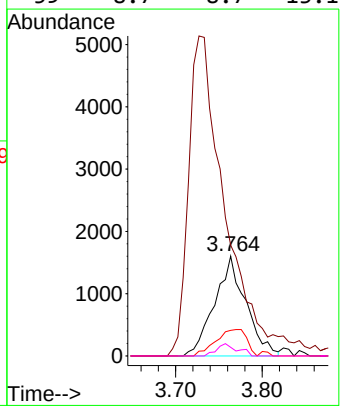
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

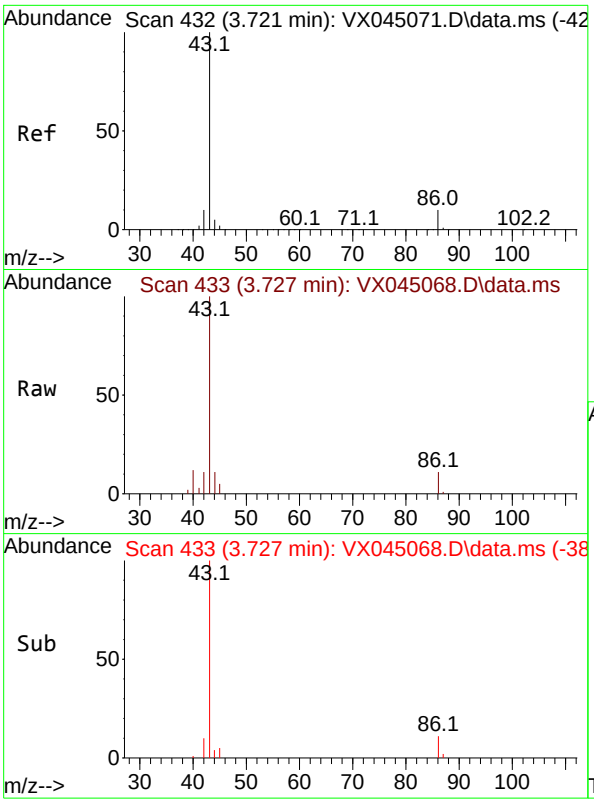


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1





#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

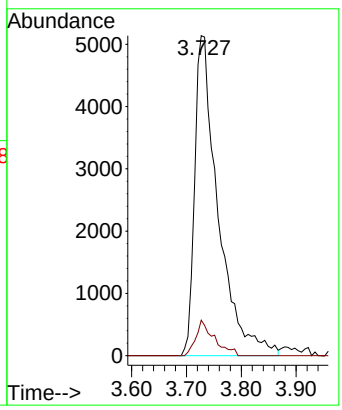
Tgt Ion: 43 Resp: 1527

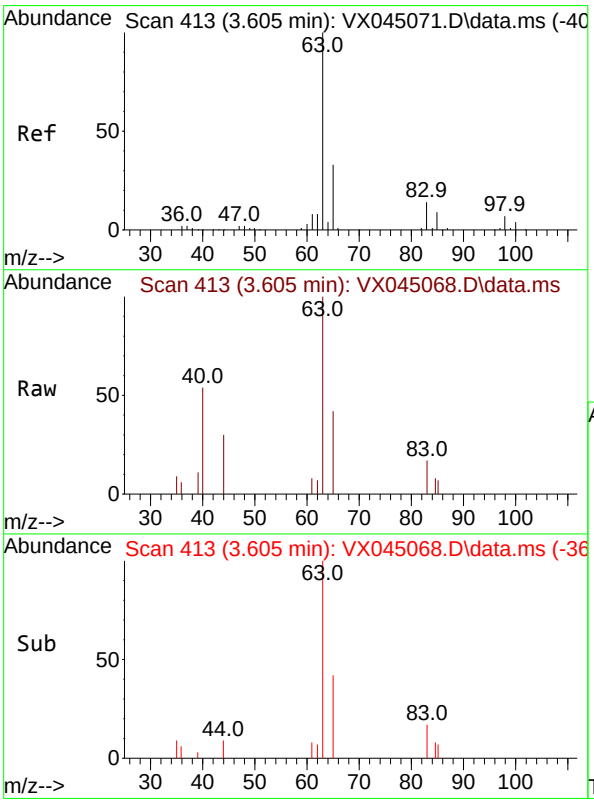
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

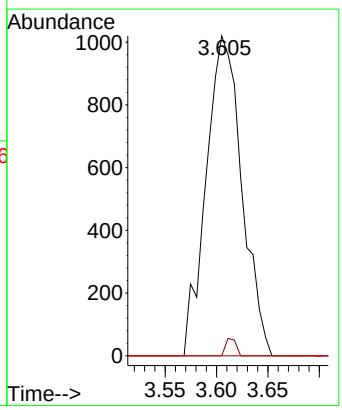


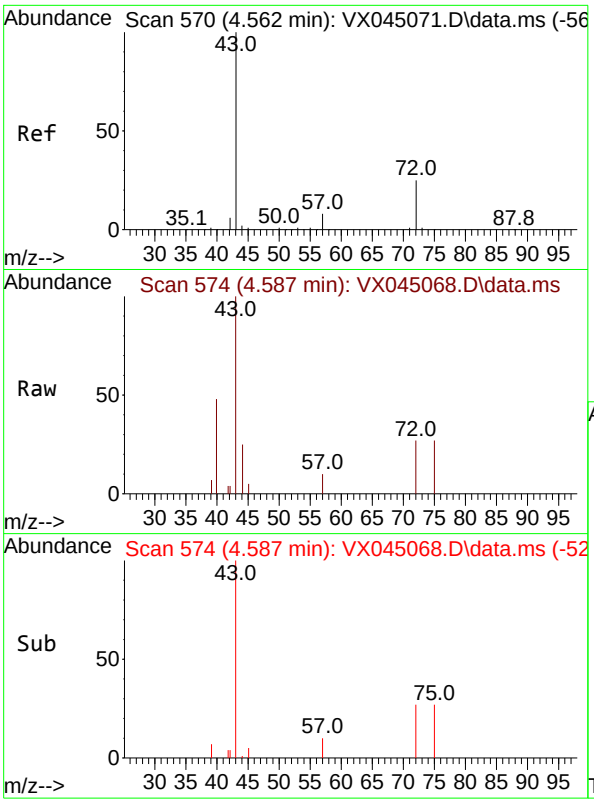


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

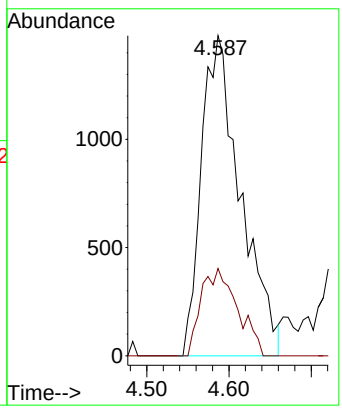
Tgt Ion: 43 Resp: 489

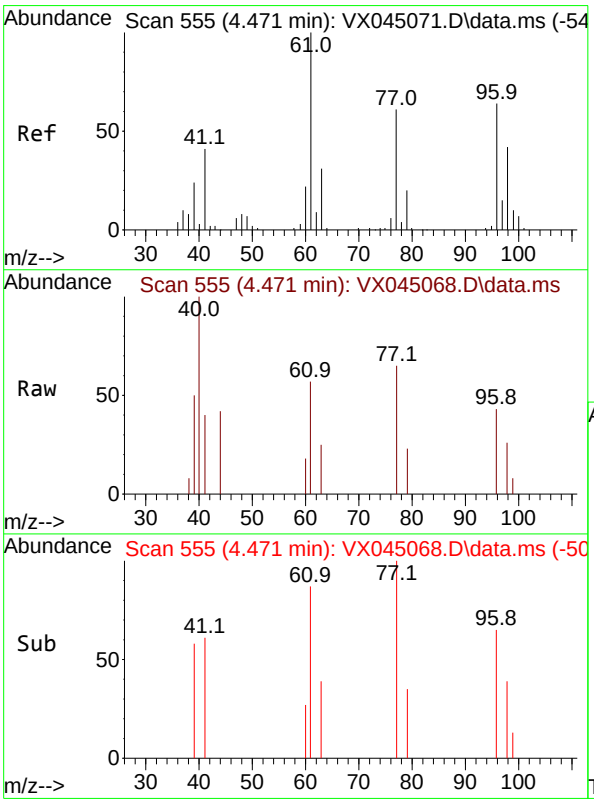
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

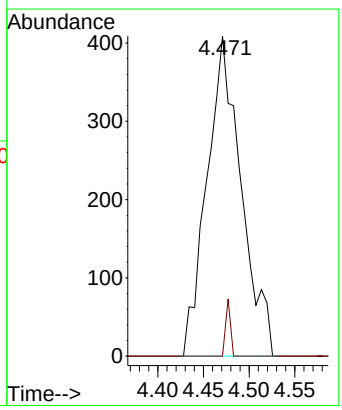


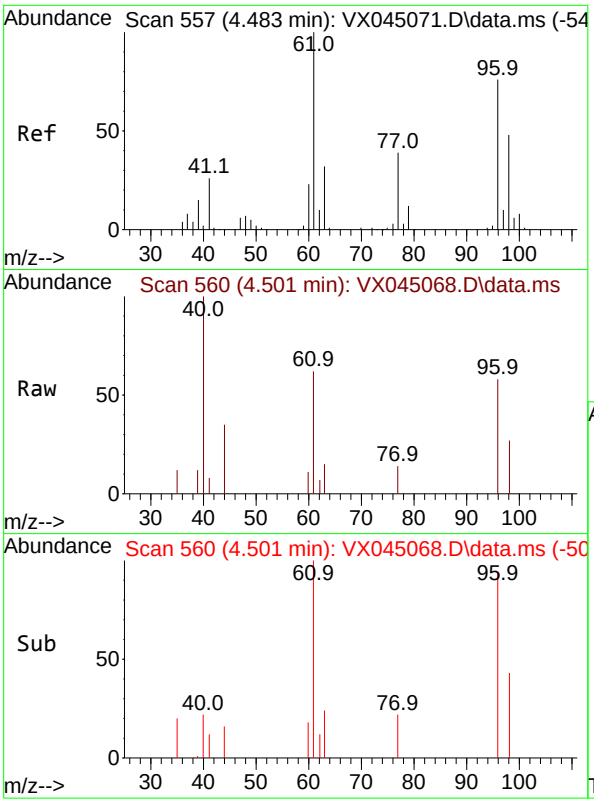


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#

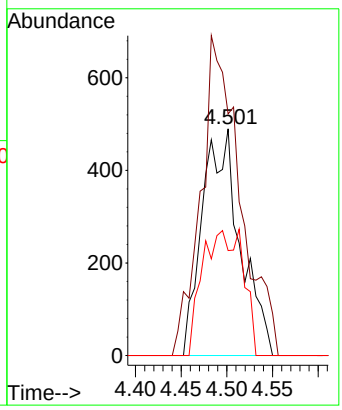




#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

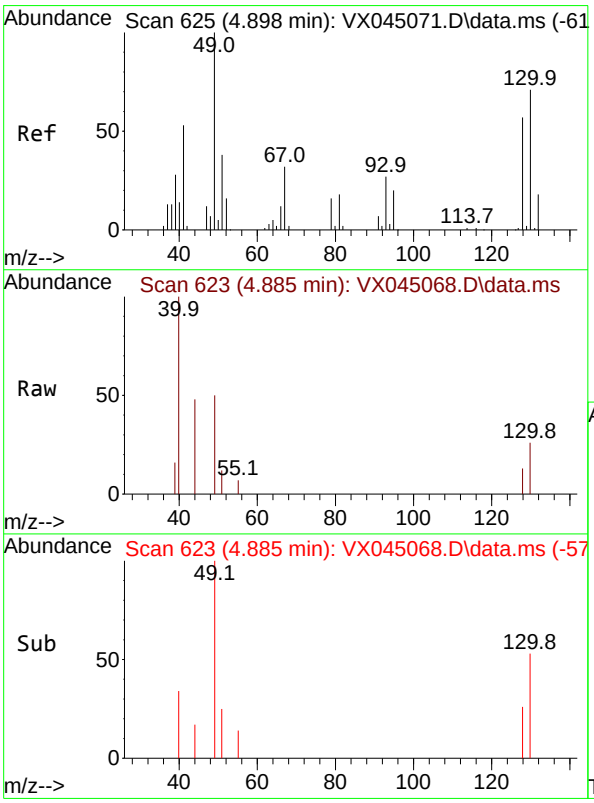
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

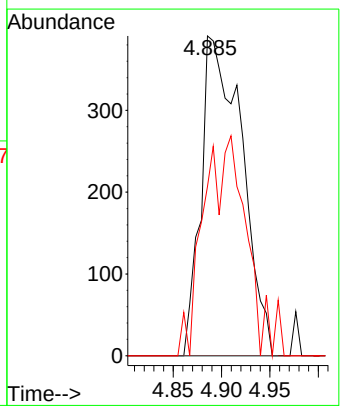
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

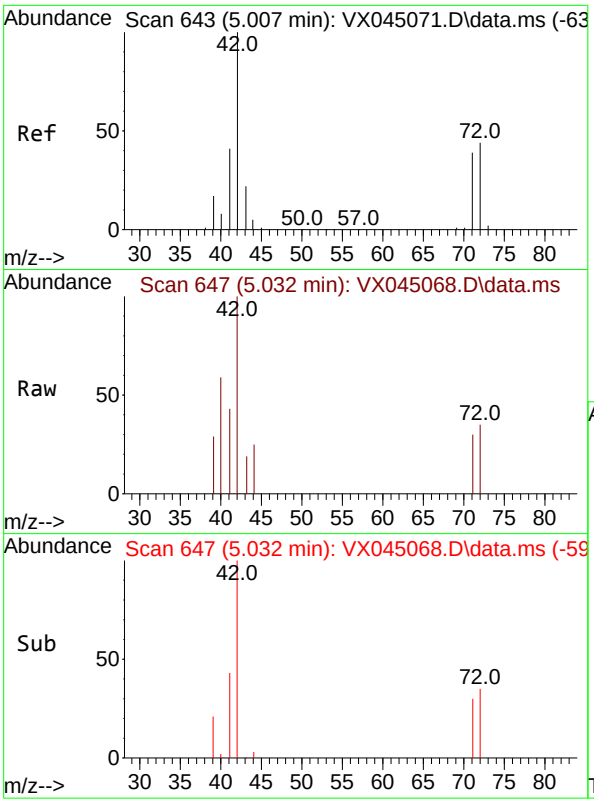


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#

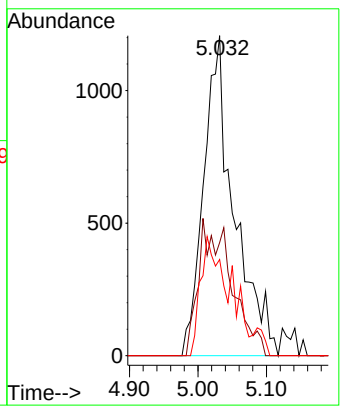




#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

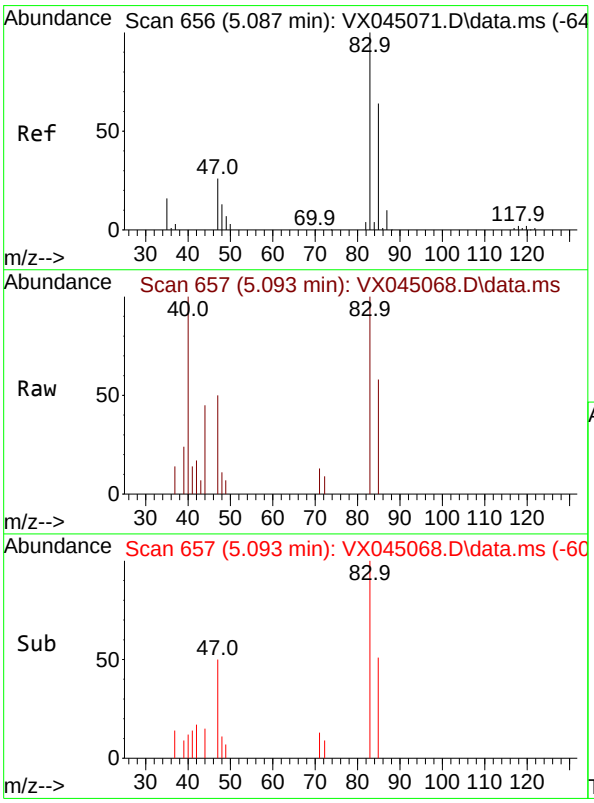
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

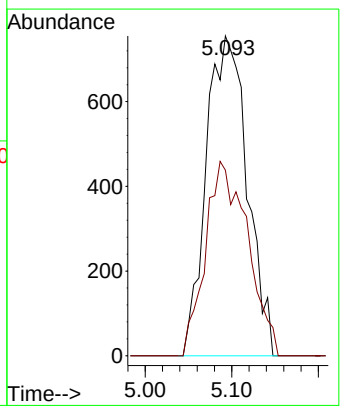
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

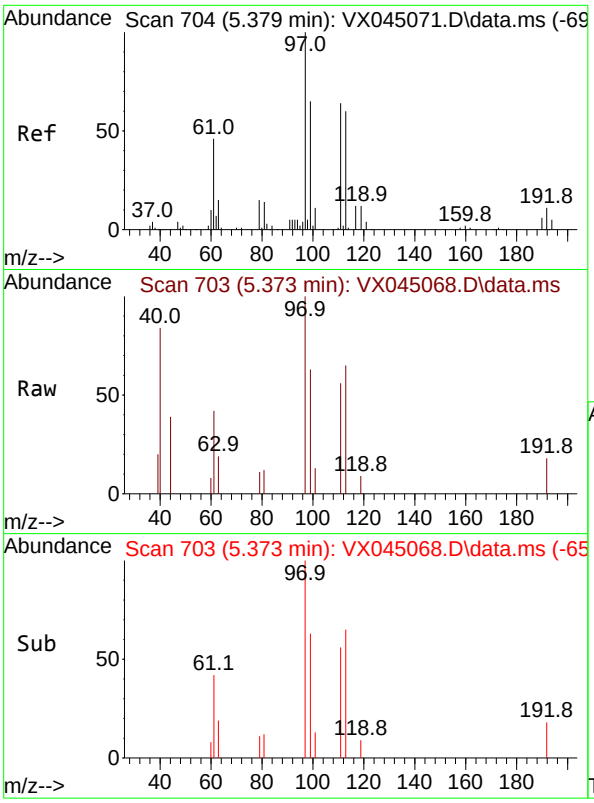


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2

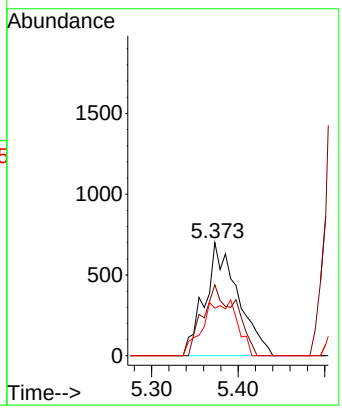




#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 186

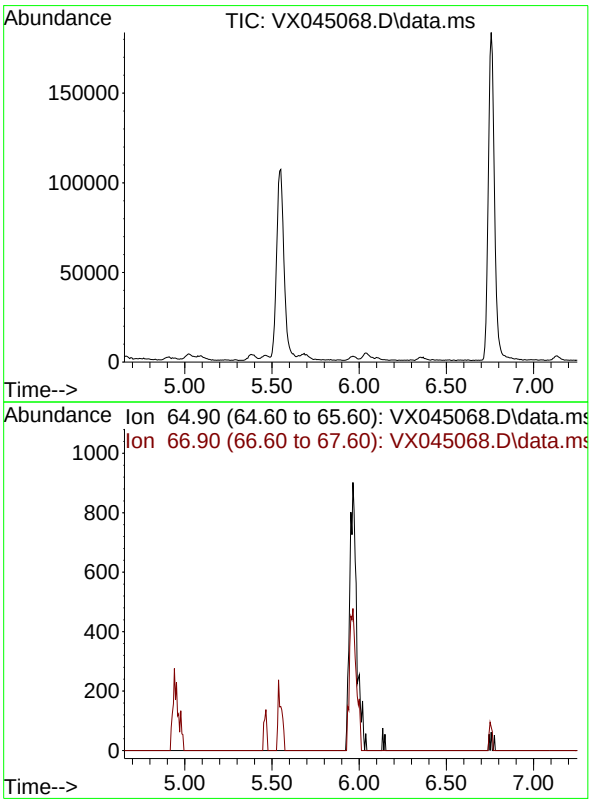
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

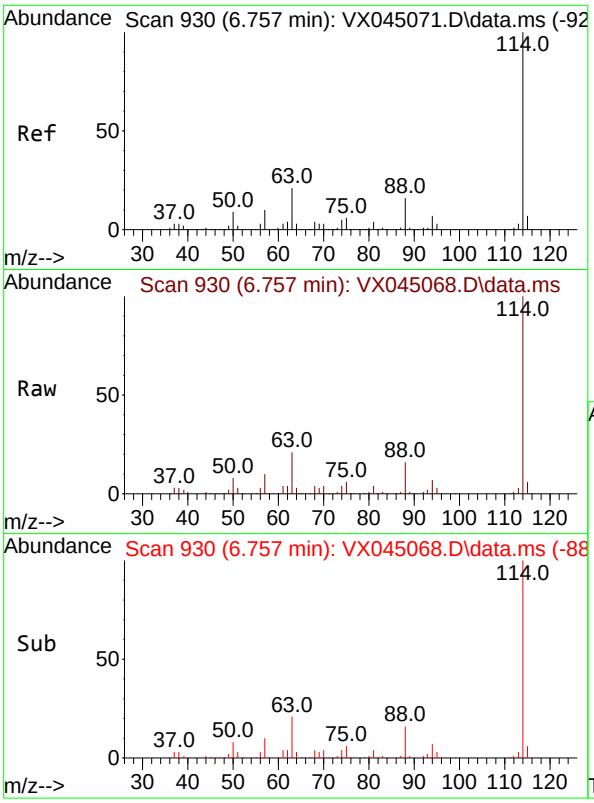


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 65

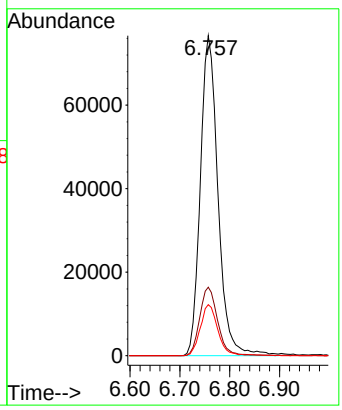
Sig	Exp Ratio
65	100
67	53.1



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

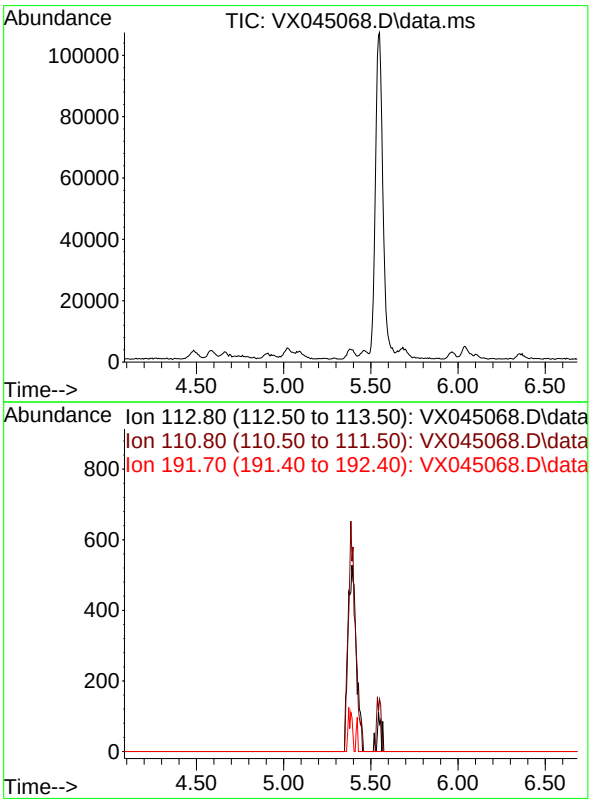
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

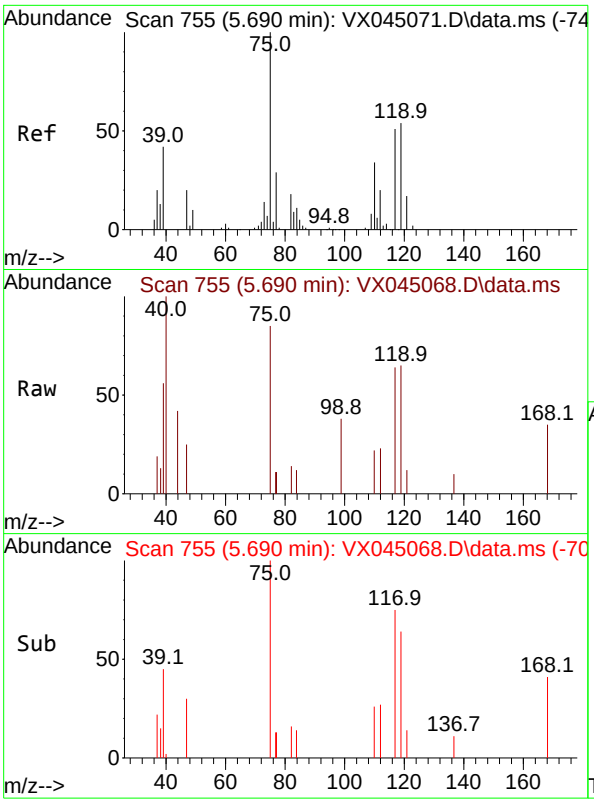


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

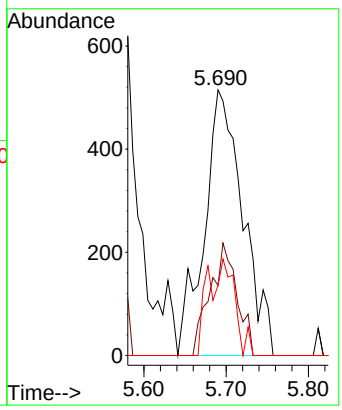
Sig	Exp Ratio
113	100
111	102.2
192	17.9



#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 168

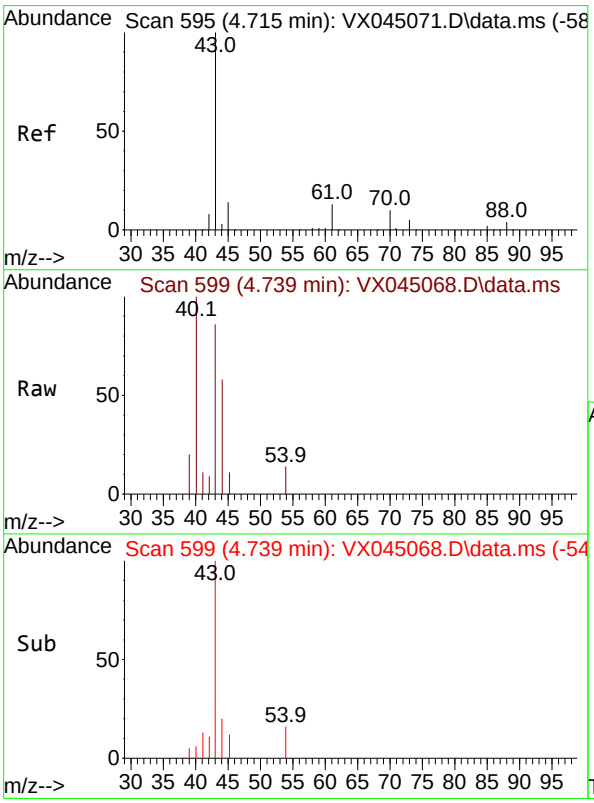
Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

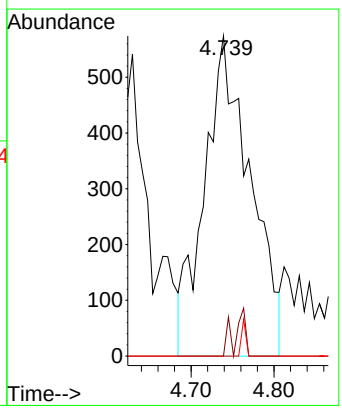
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

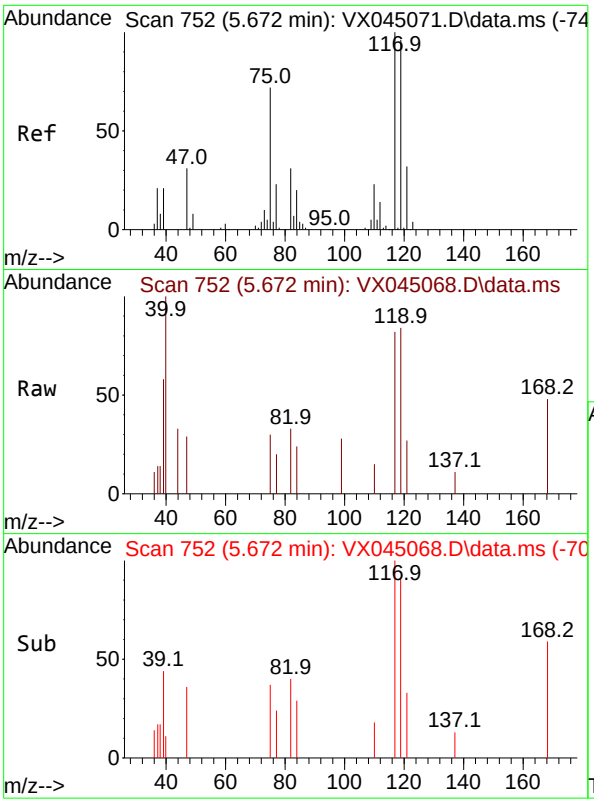


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2223

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

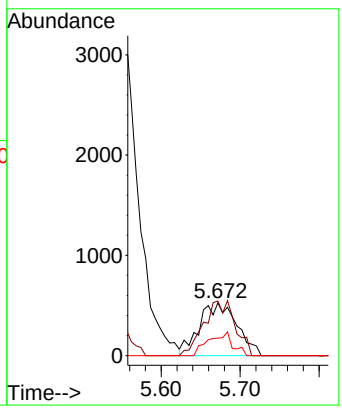




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

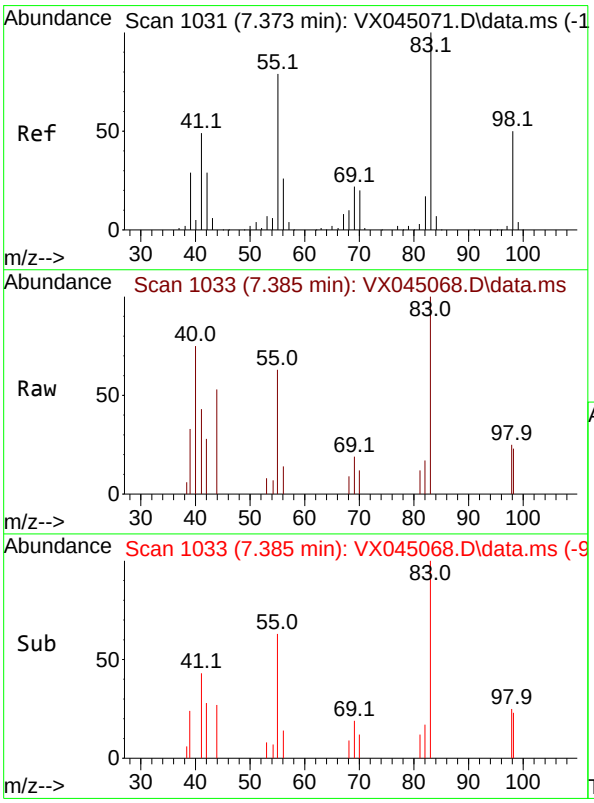
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

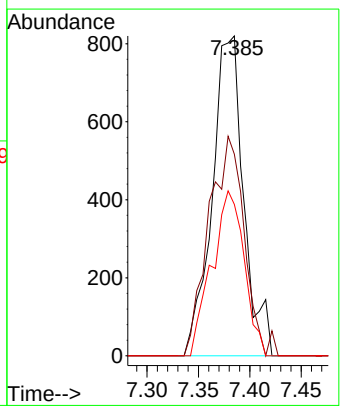
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

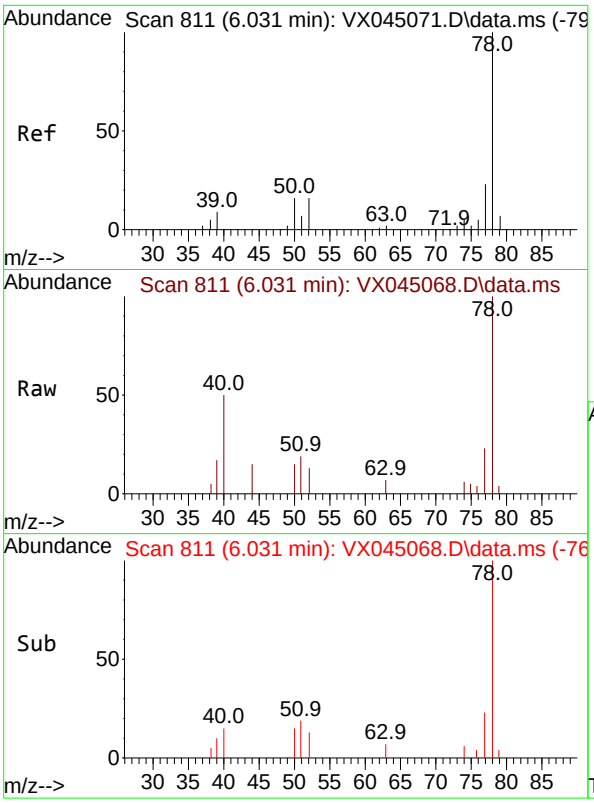


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

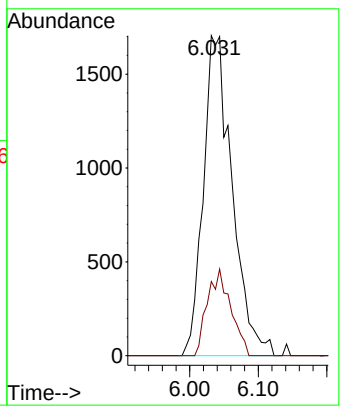




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

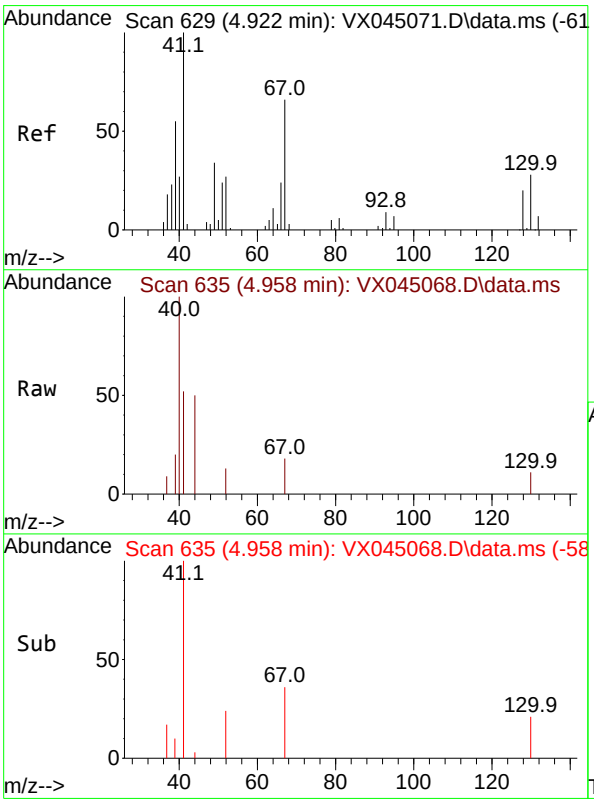
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

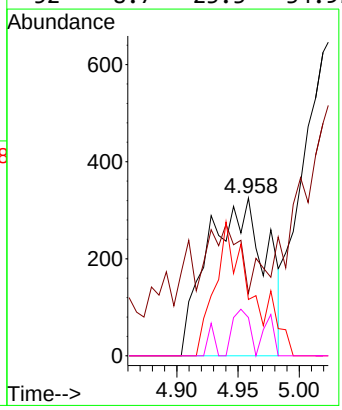
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

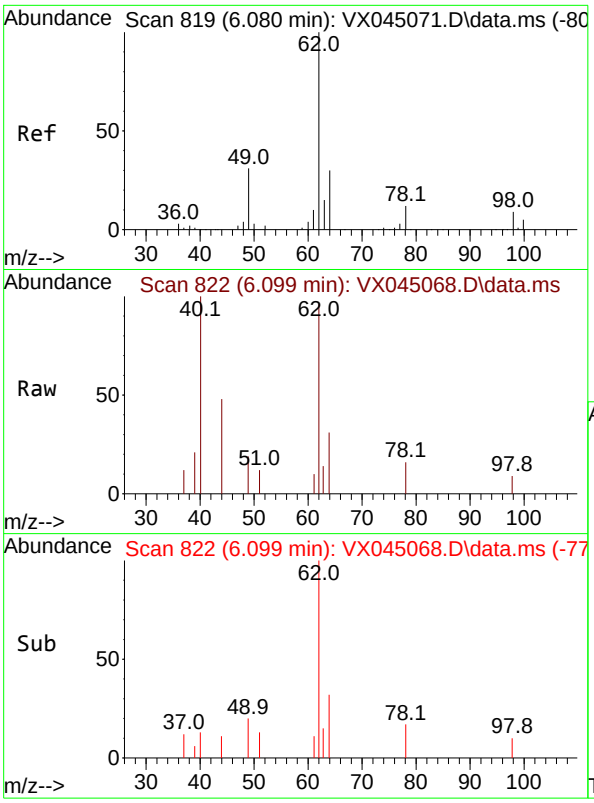


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

Ion	Ratio	Lower	Upper
41	100		
39	29.2	44.6	67.0#
67	53.9	53.9	80.9#
52	8.7	23.3	34.9#

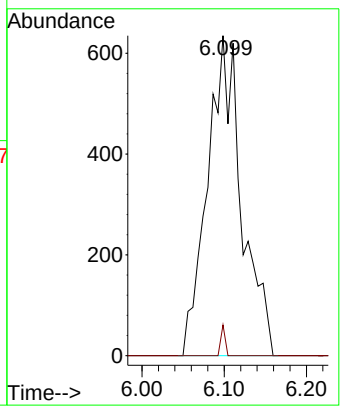




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

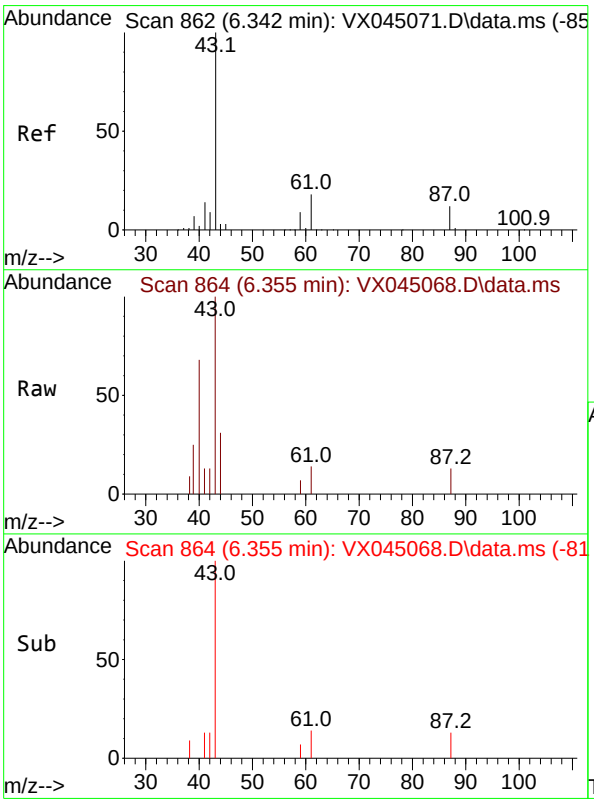
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

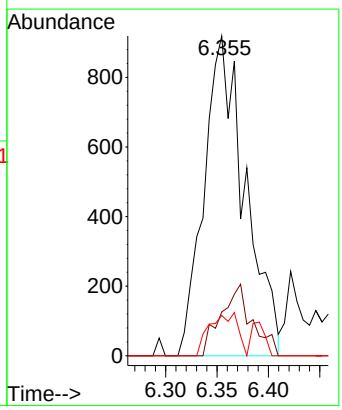
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

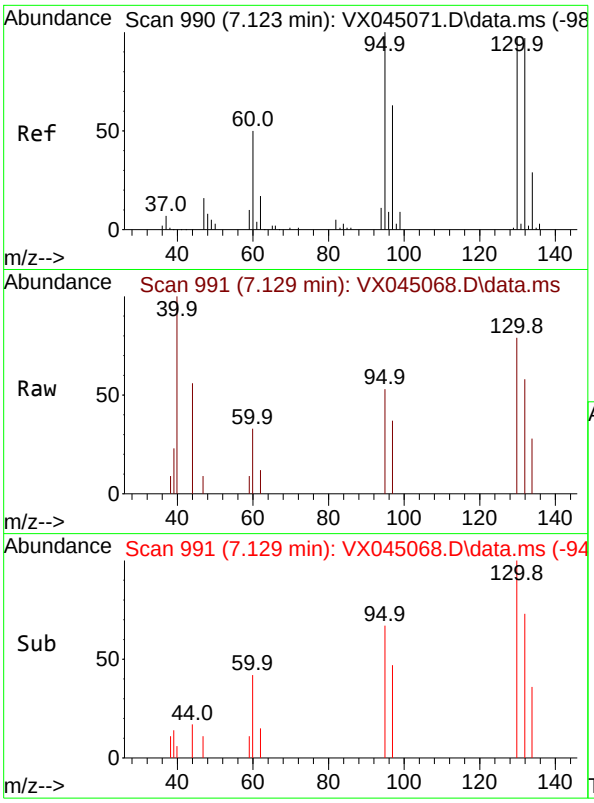


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

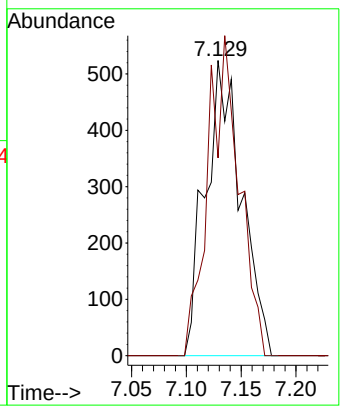




#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

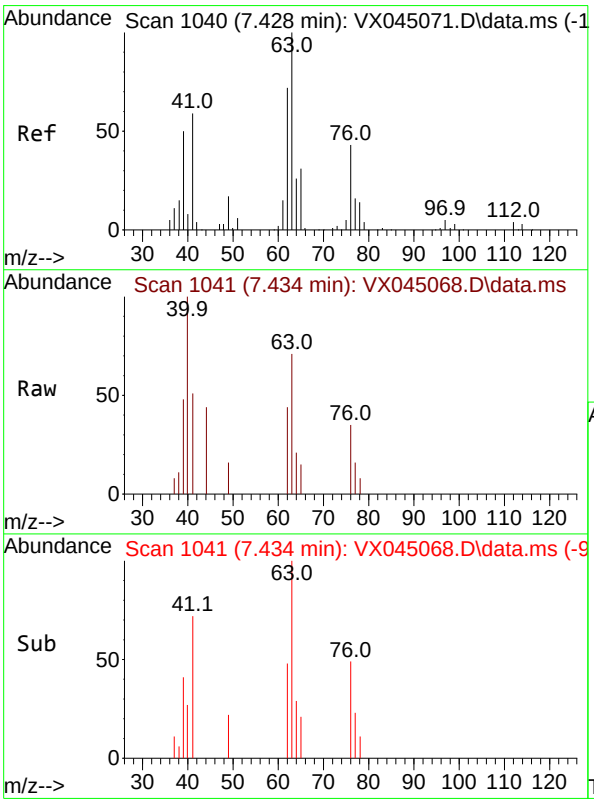
Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

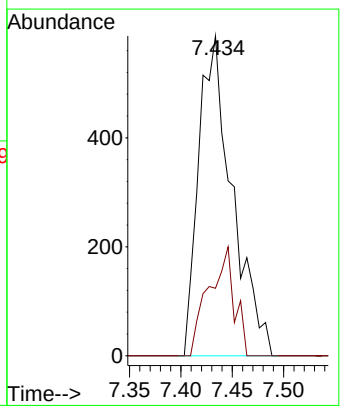
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

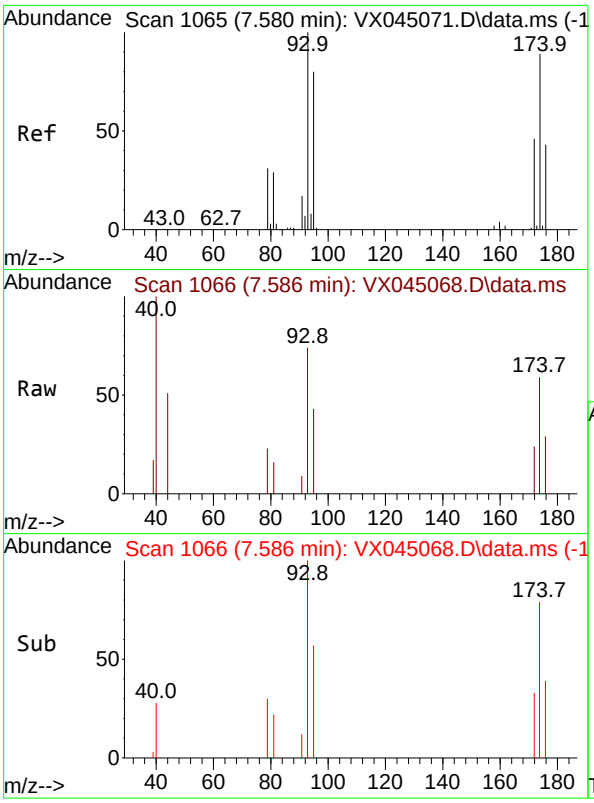


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

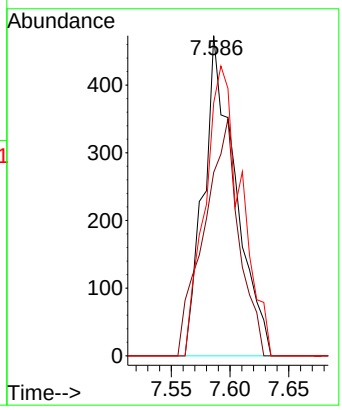




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

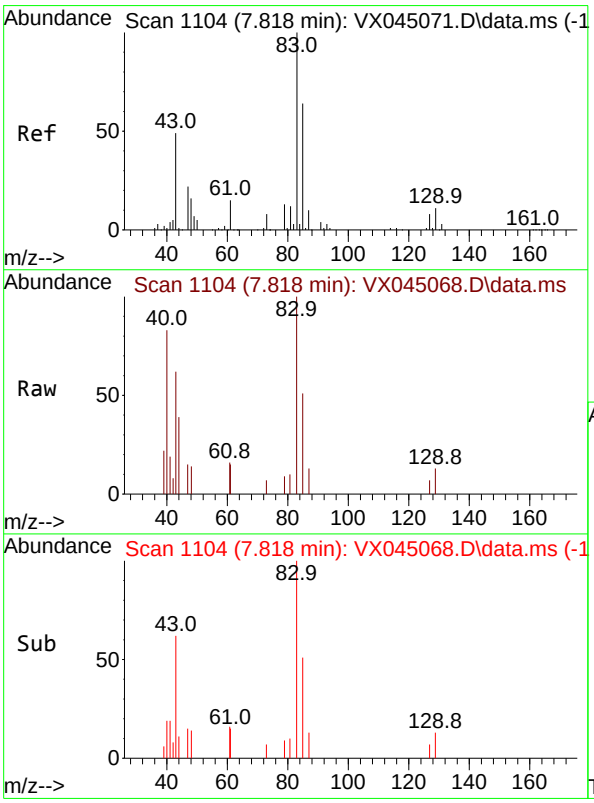
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

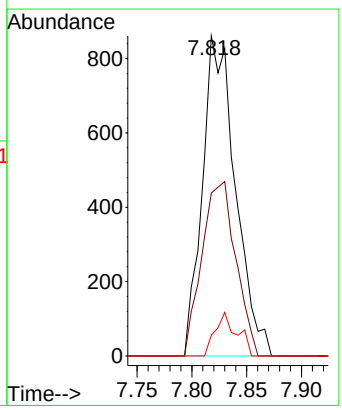
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

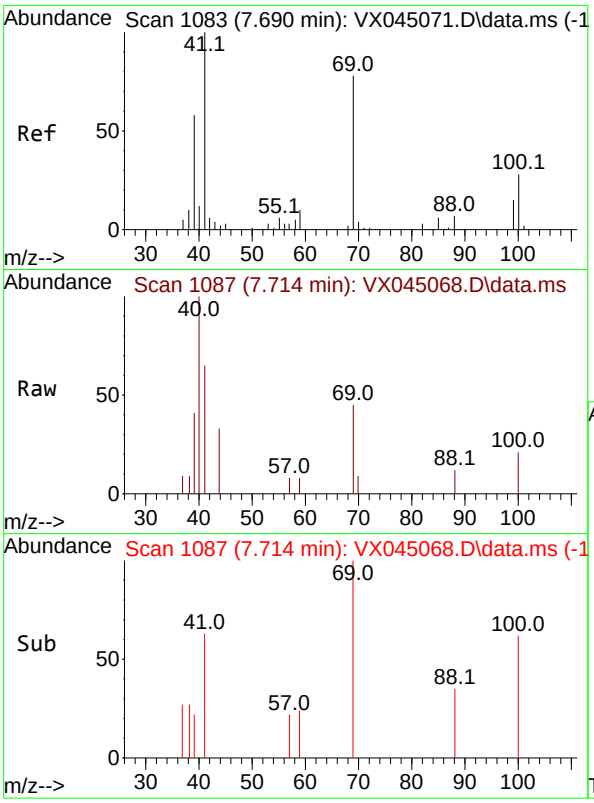


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

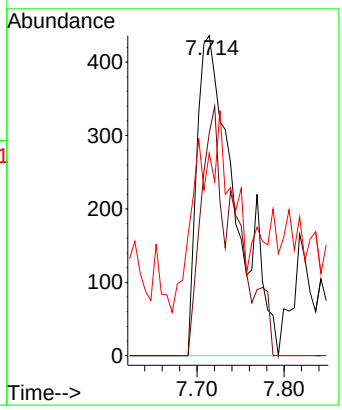




#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

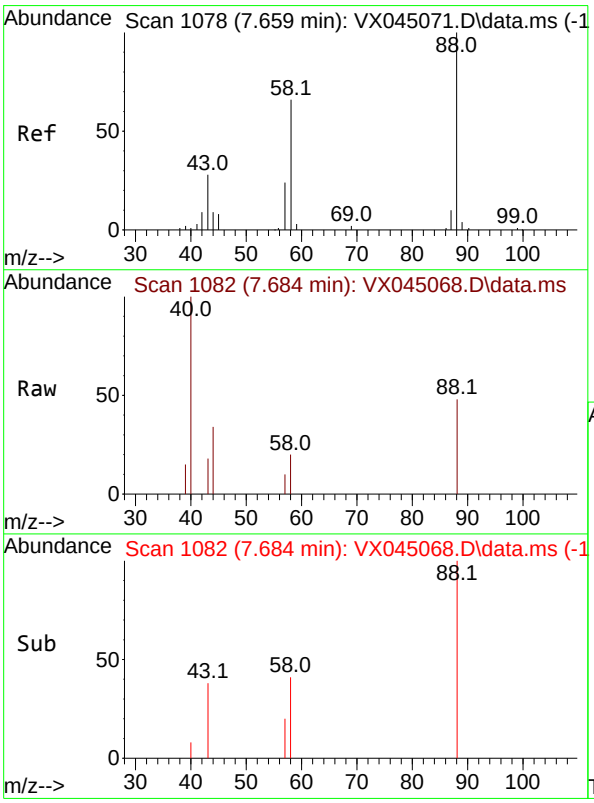
Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

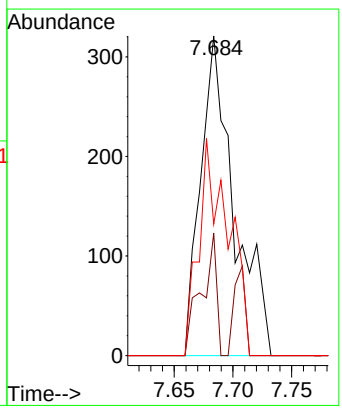
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

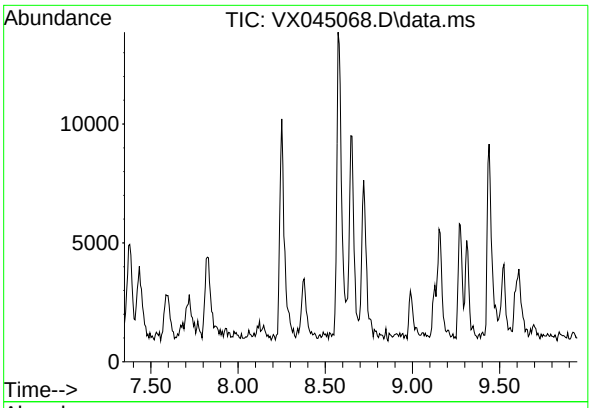


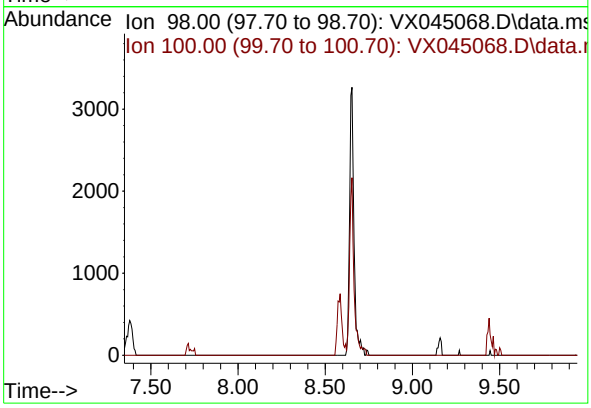
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8







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

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

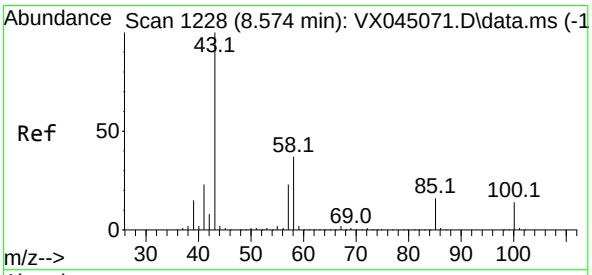
Tgt Ion: 98

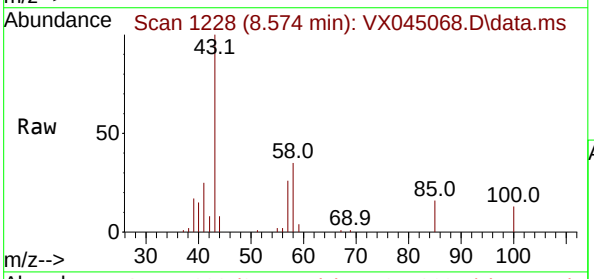
Sig	Exp Ratio
98	100
100	65.0

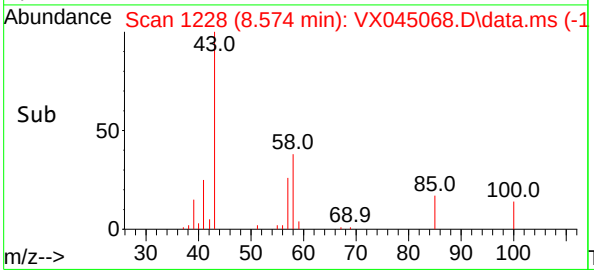
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



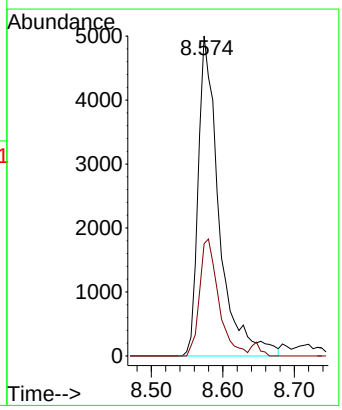


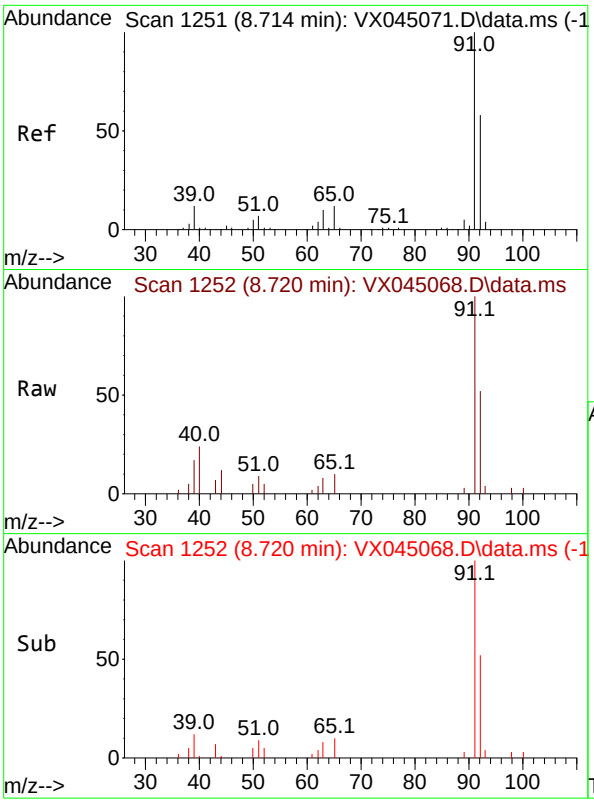


#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

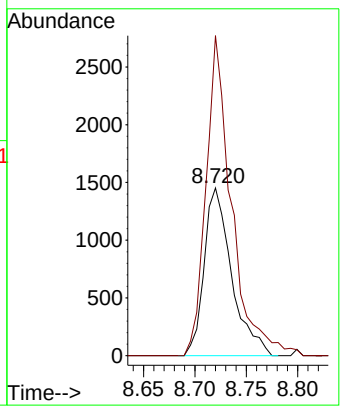




#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

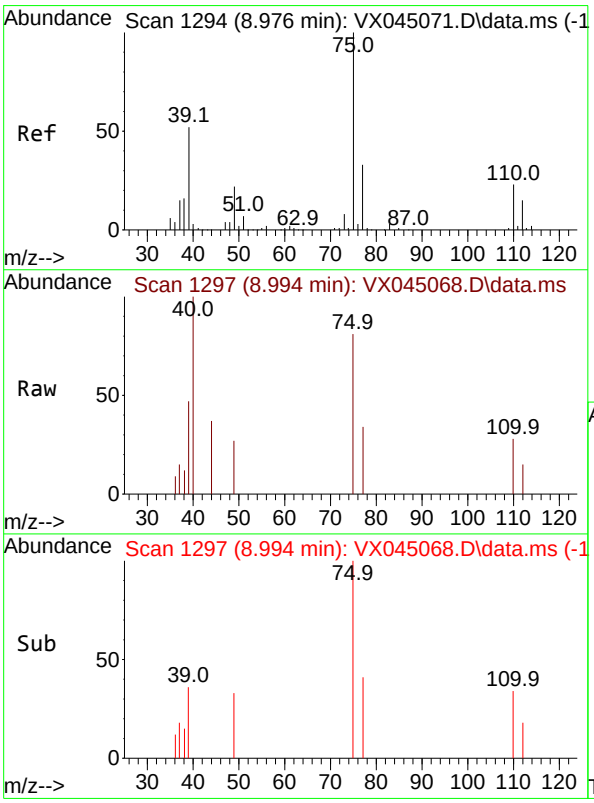
Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

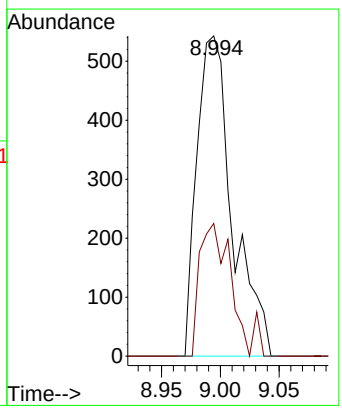
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

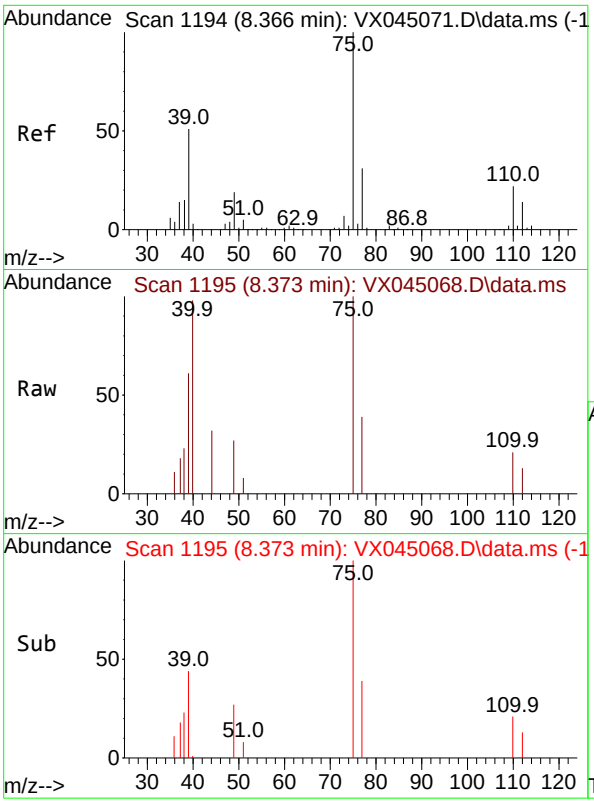


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

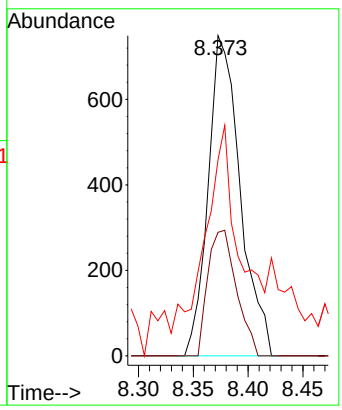




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

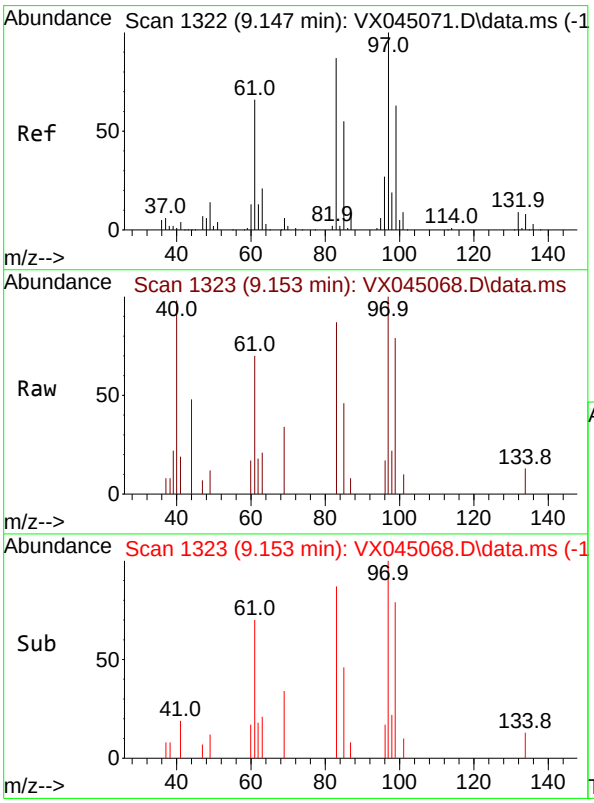
Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

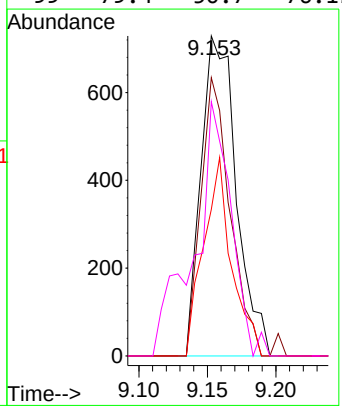
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

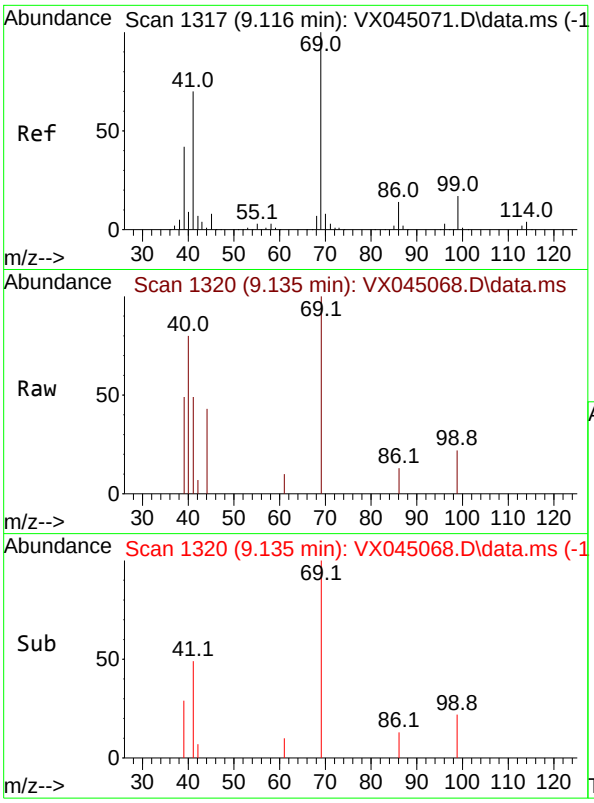


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

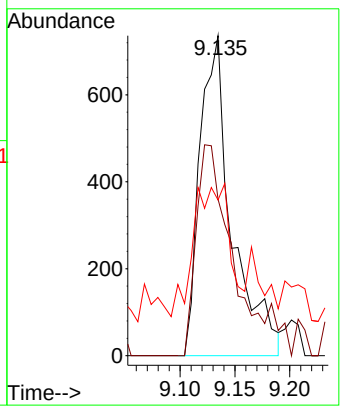




#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

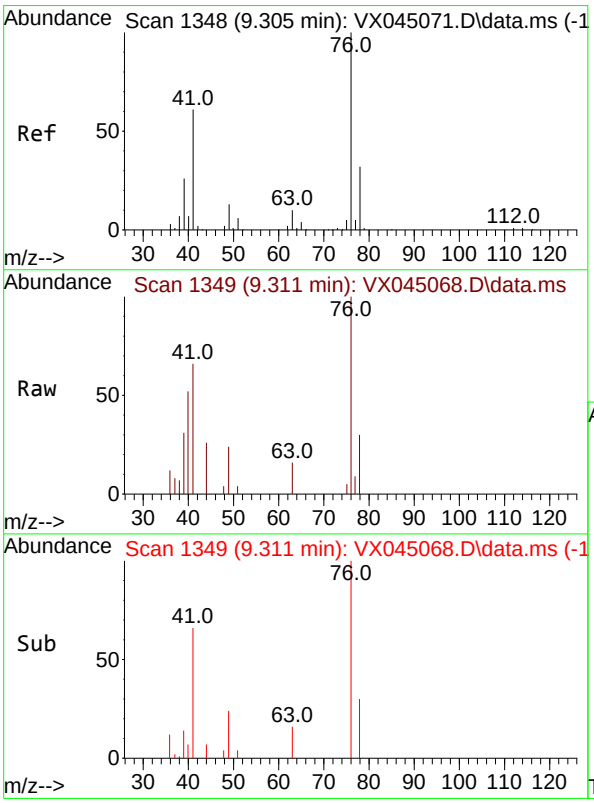
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

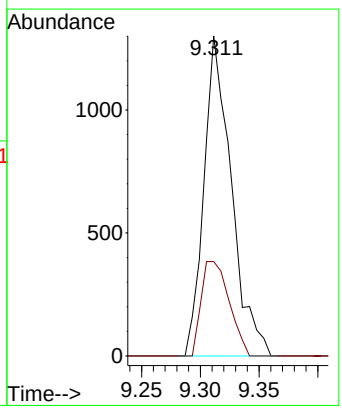
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

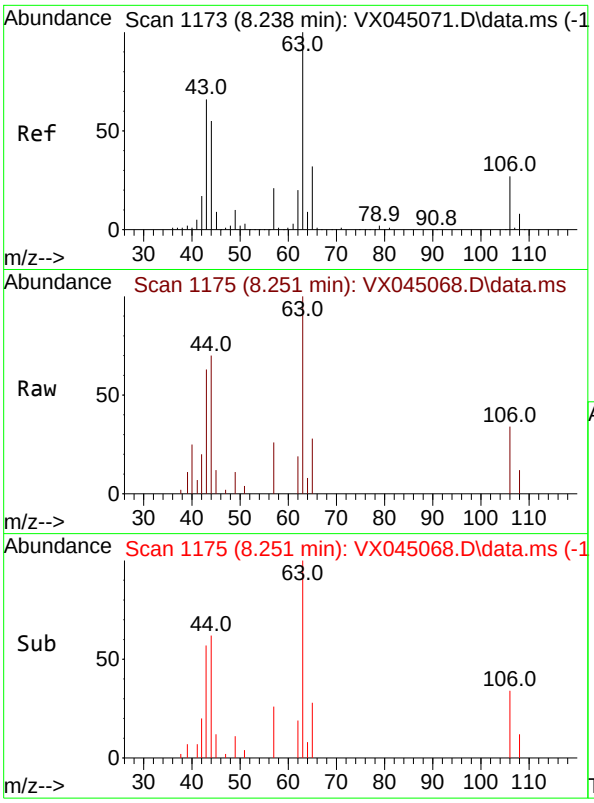


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

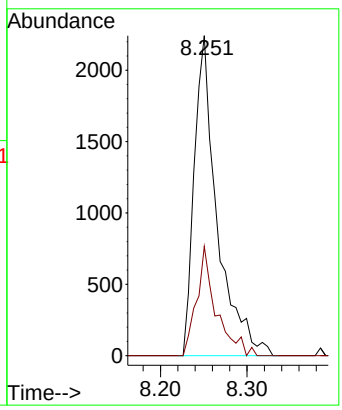




#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 411

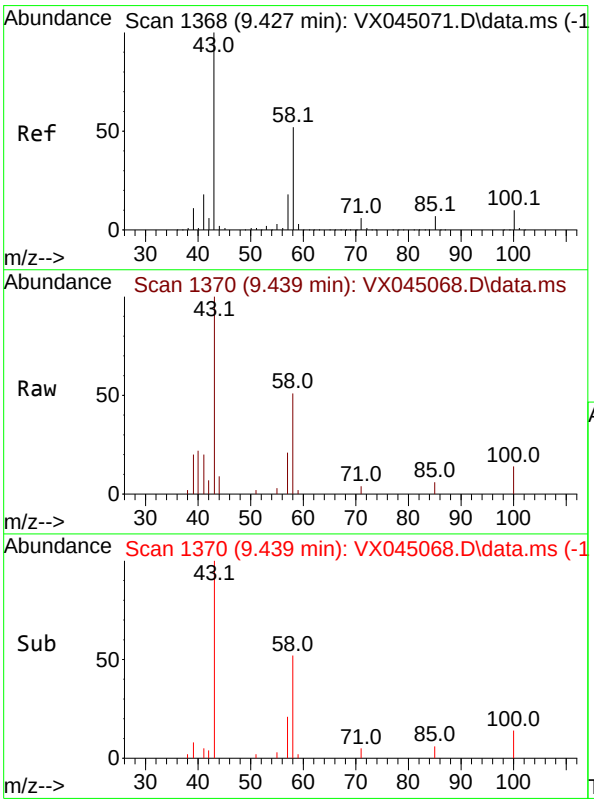
Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

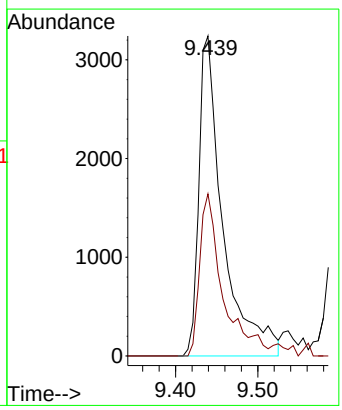
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

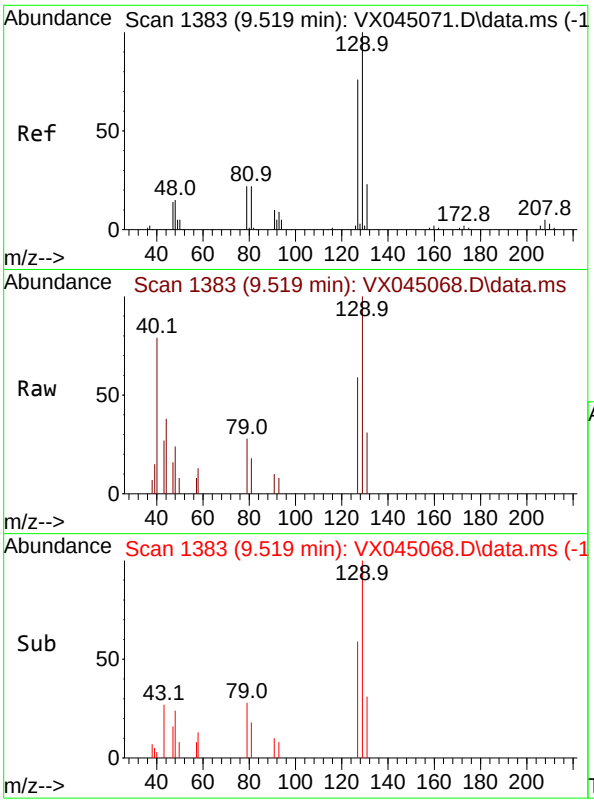


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

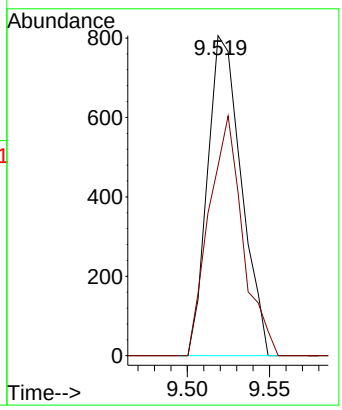




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

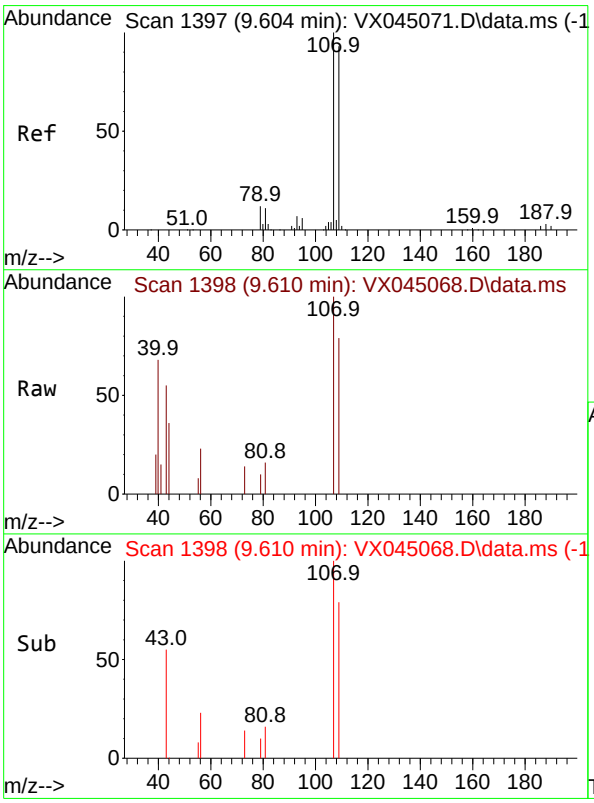
Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

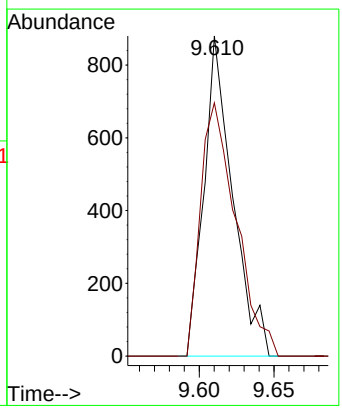
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

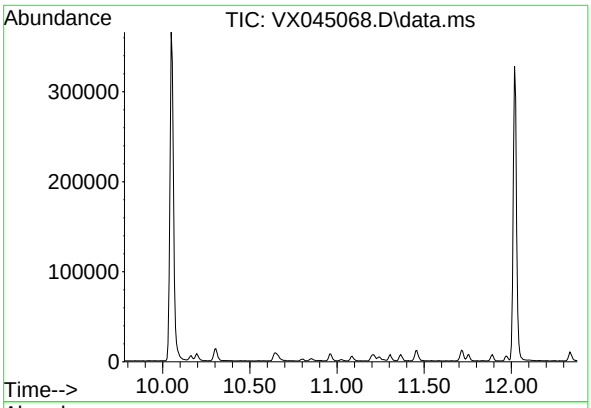


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1





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

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

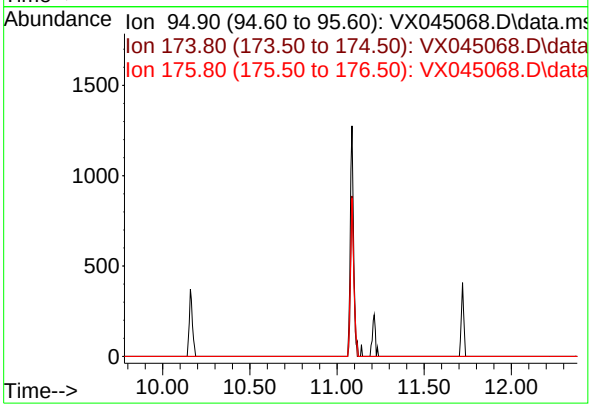
Tgt Ion: 95

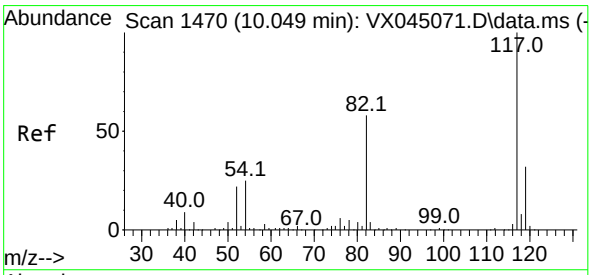
Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

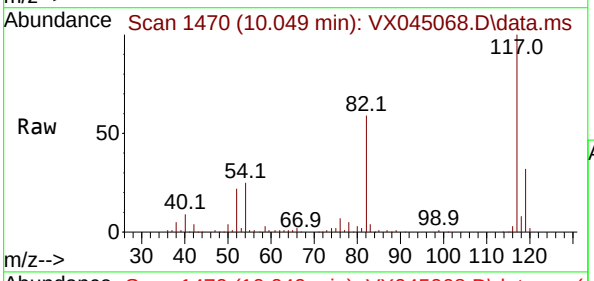


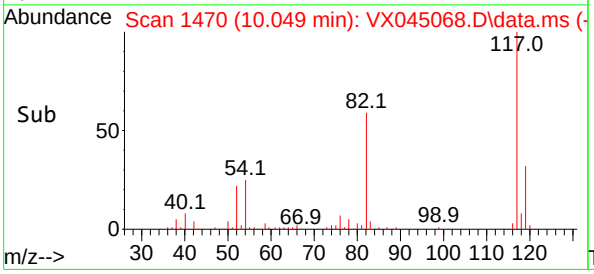


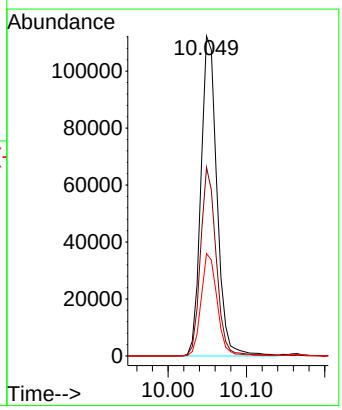
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

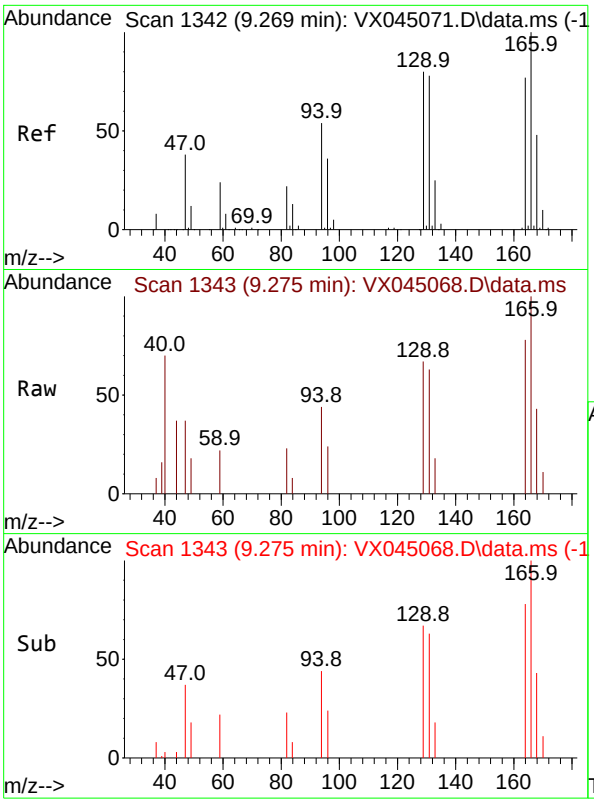
Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5





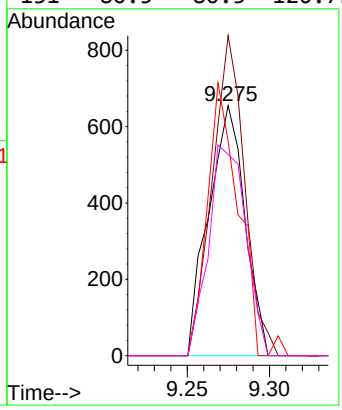




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

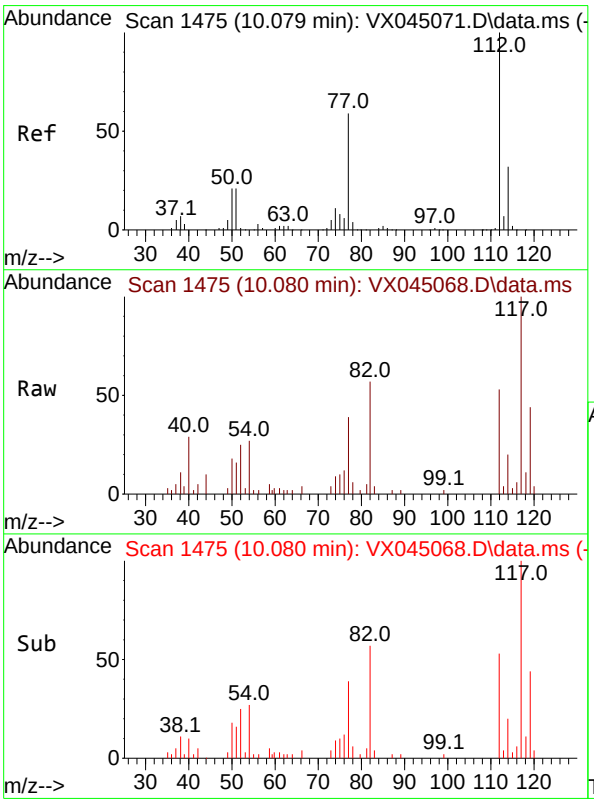
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

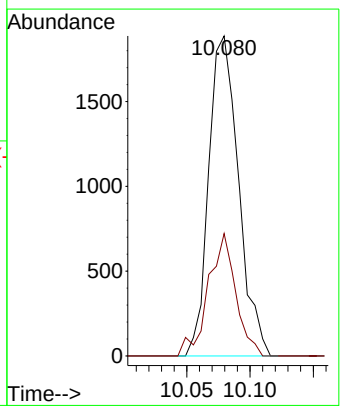
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

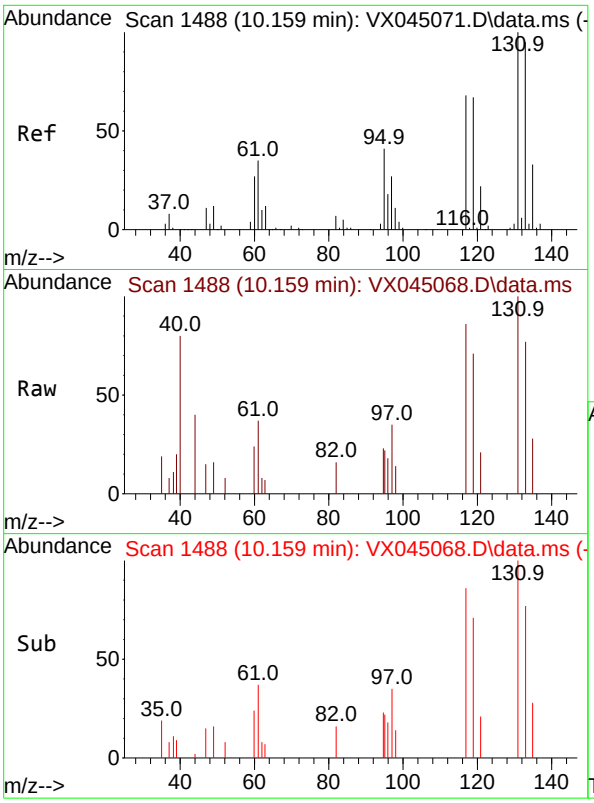


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

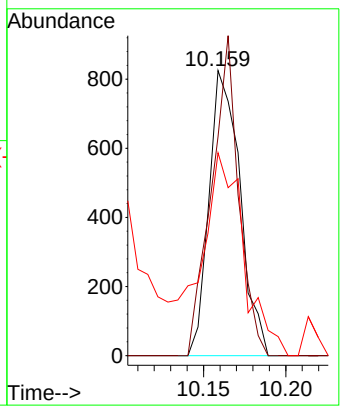
Tgt Ion:131 Resp: 107

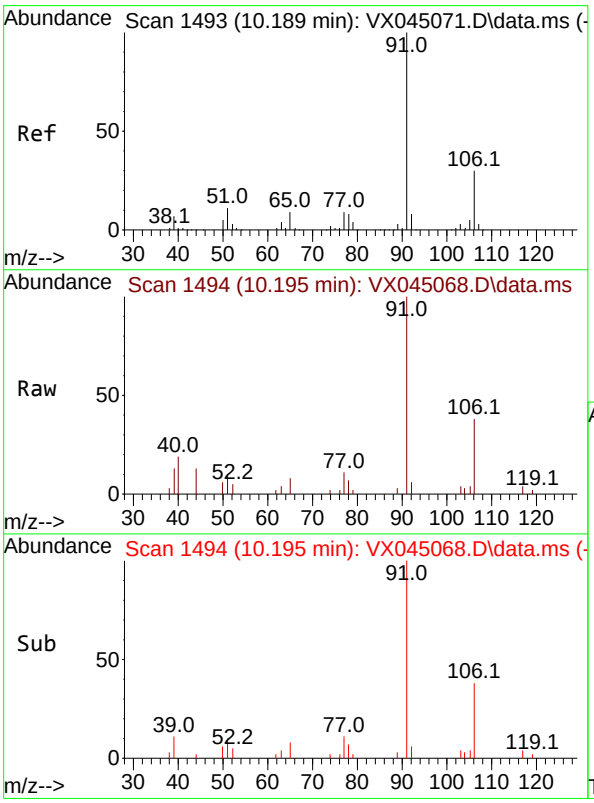
Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

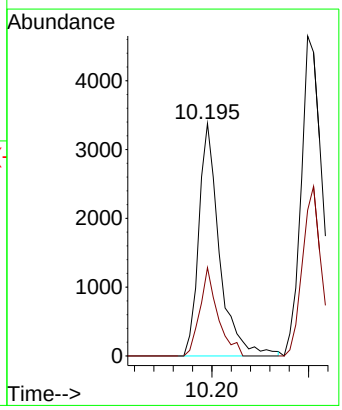


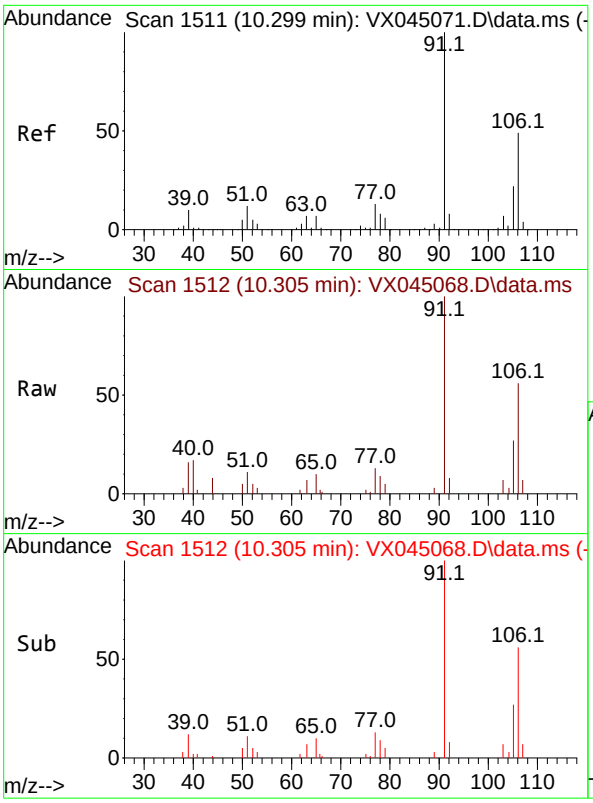


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

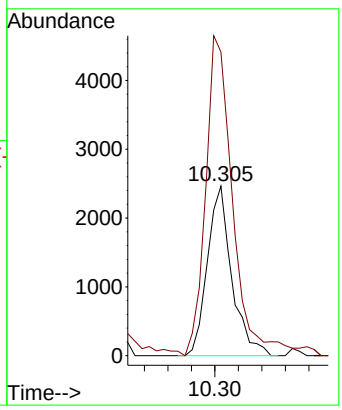




#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

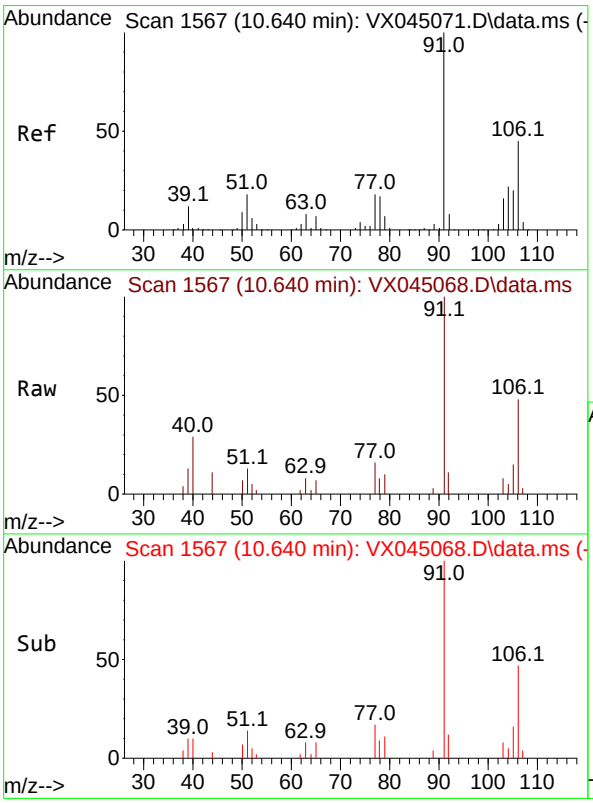
Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

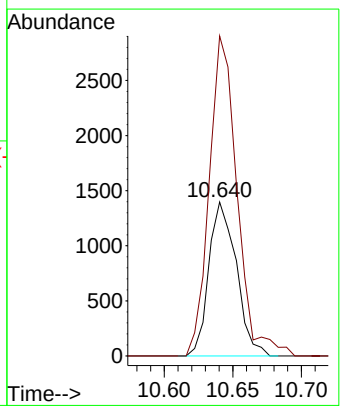
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

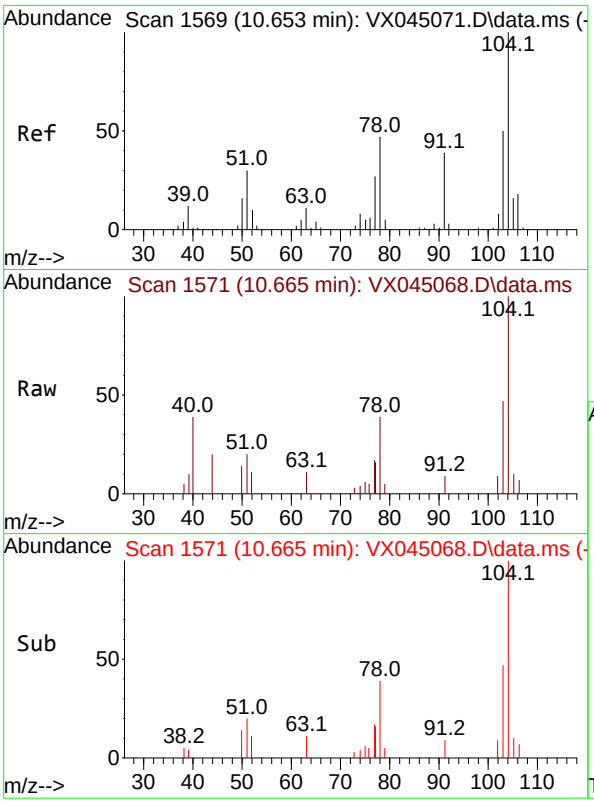


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

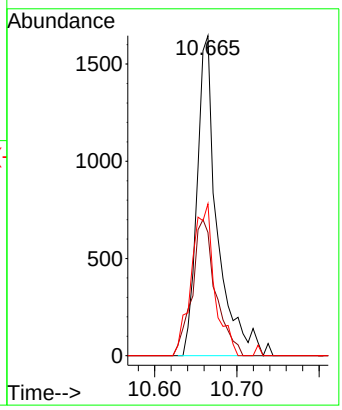




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

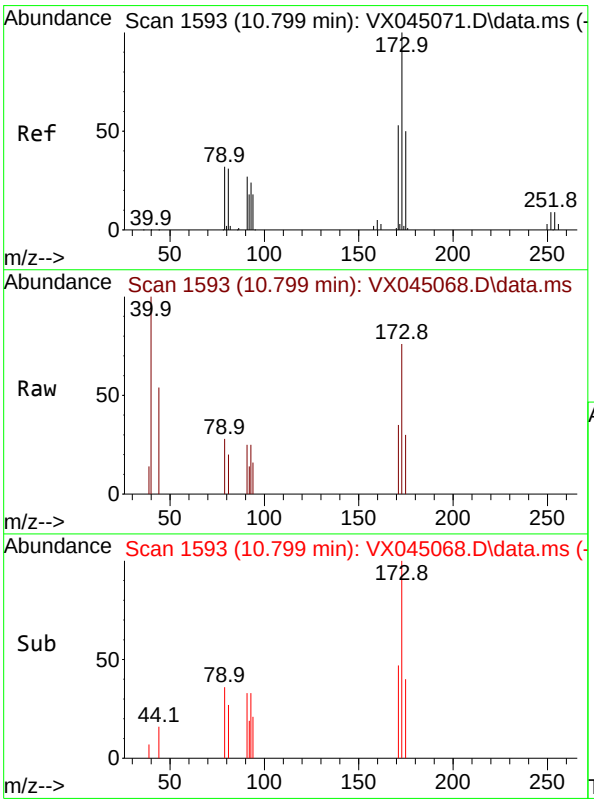
Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

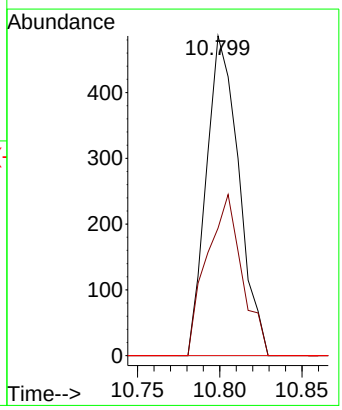
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

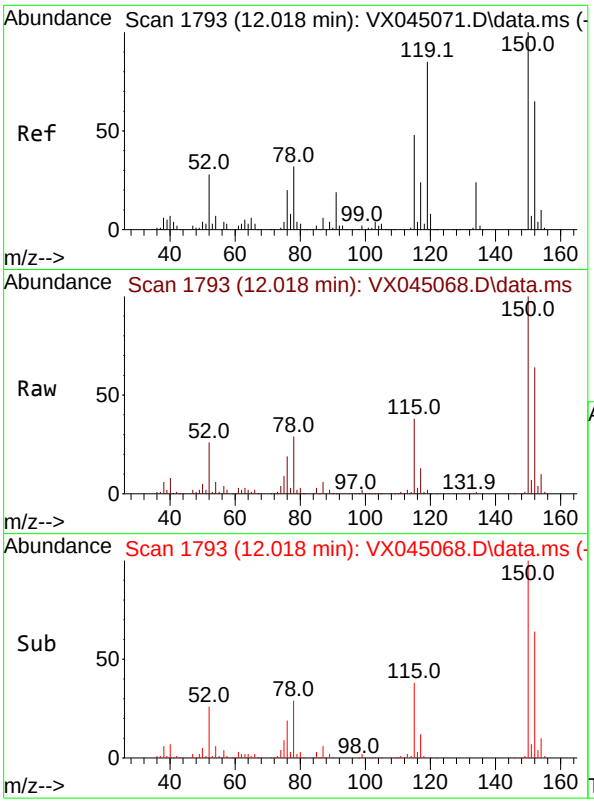


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

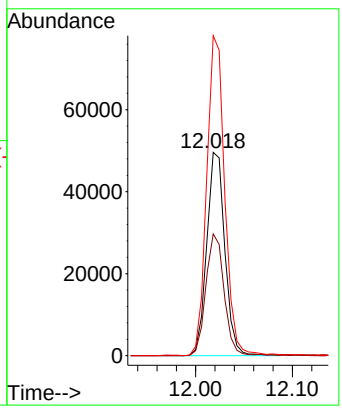




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

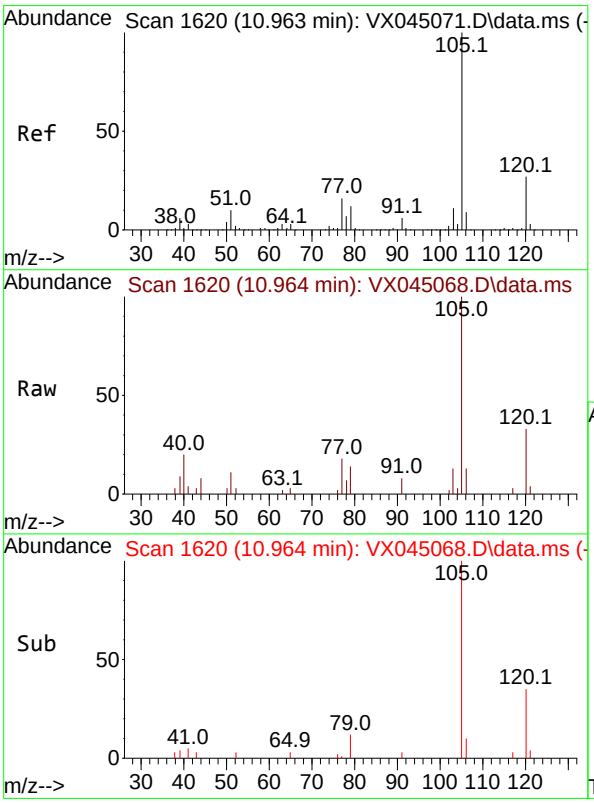
Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

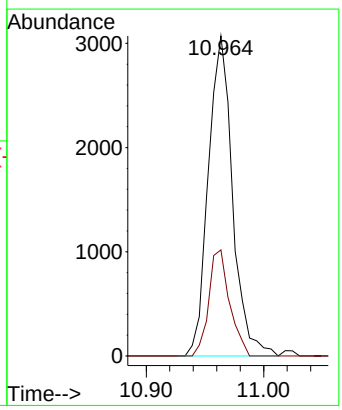
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

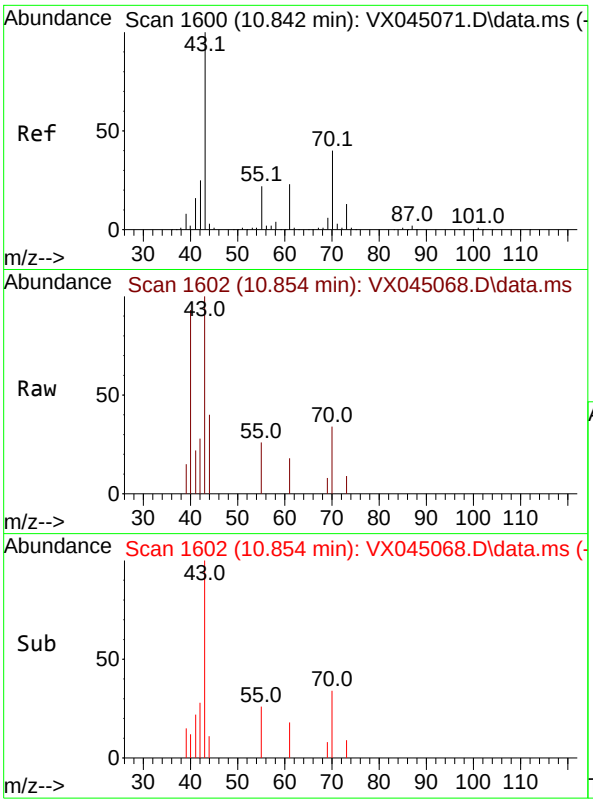


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

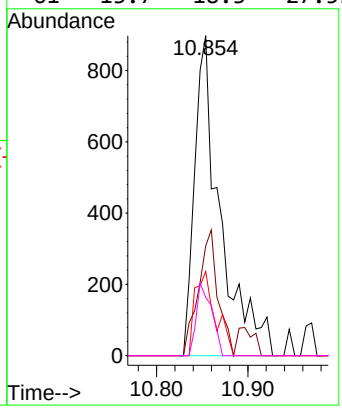




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

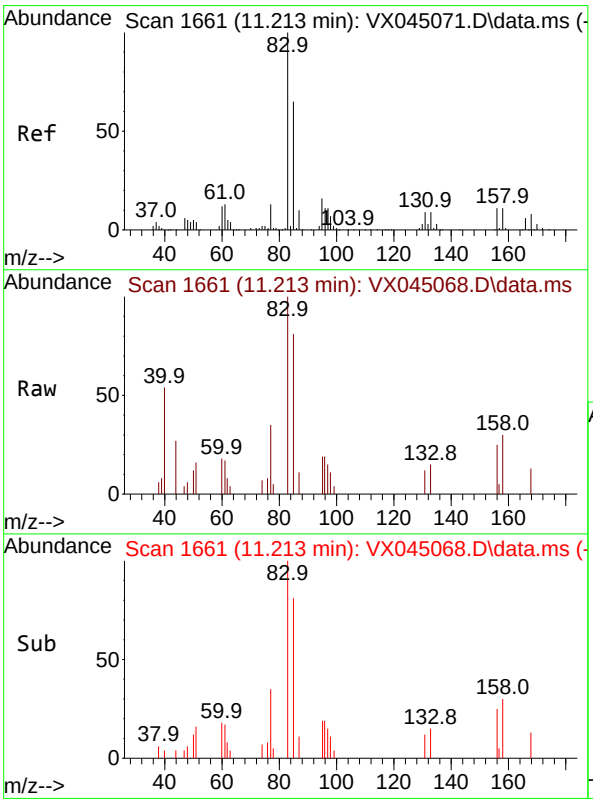
Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

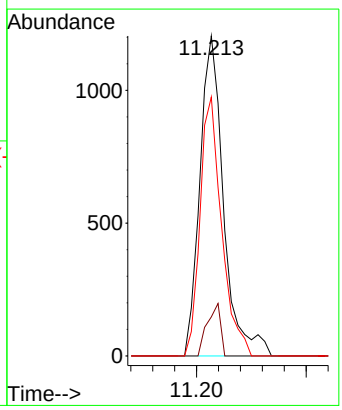
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

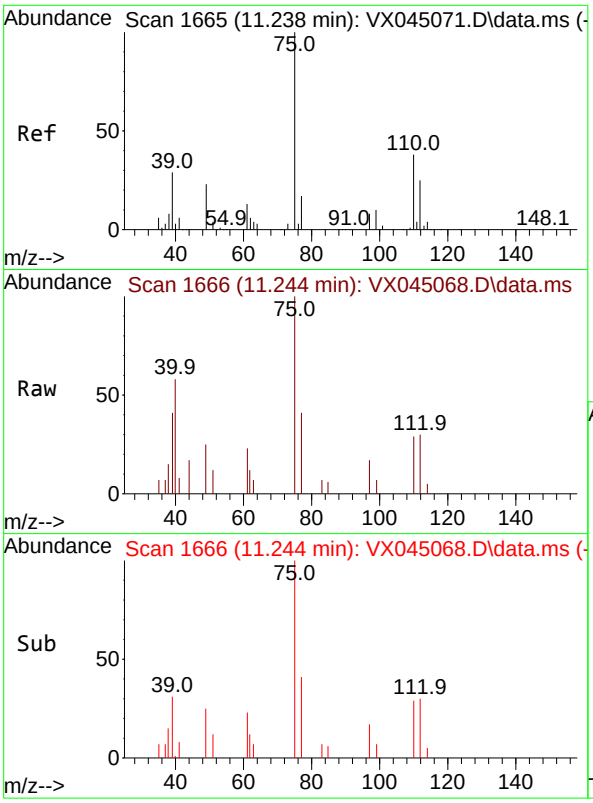


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

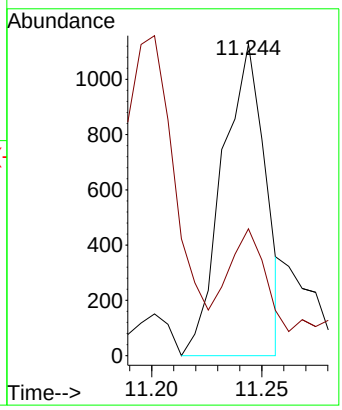




#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 153

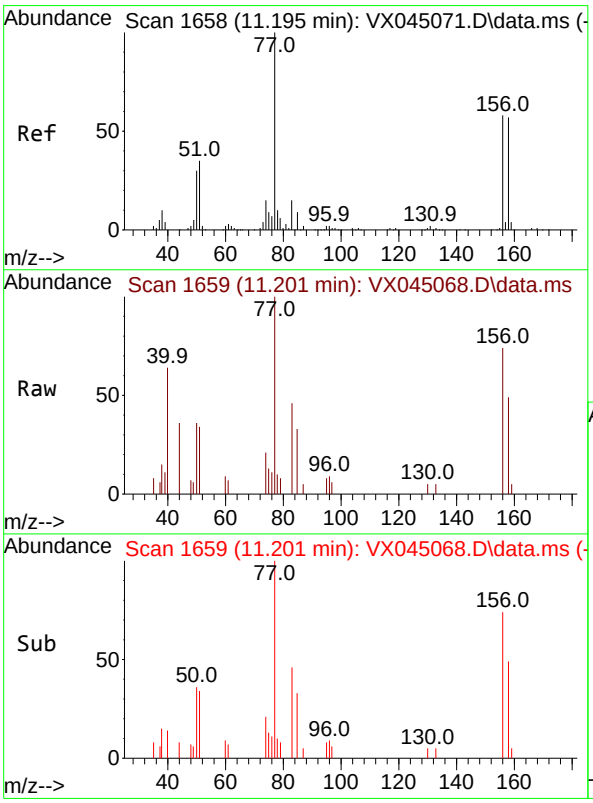
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

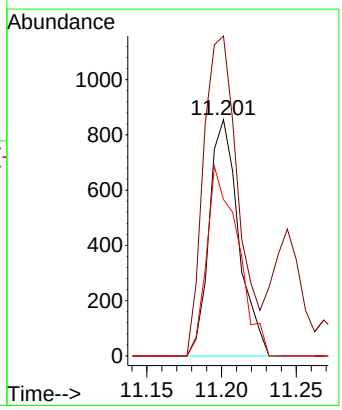
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

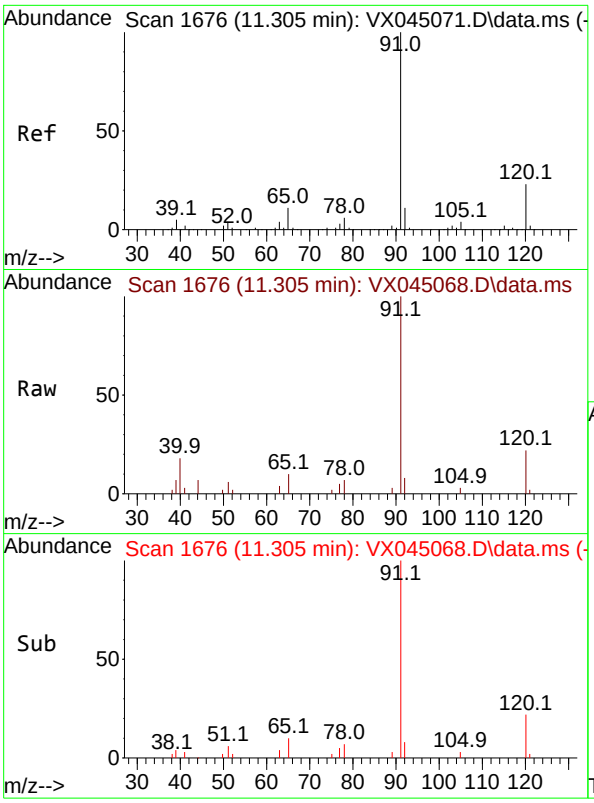


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

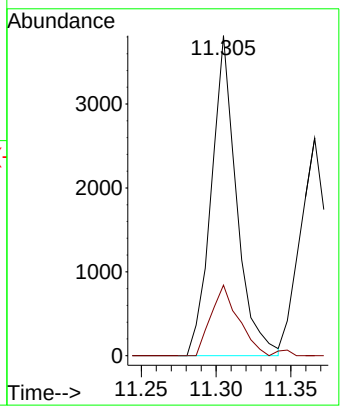




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

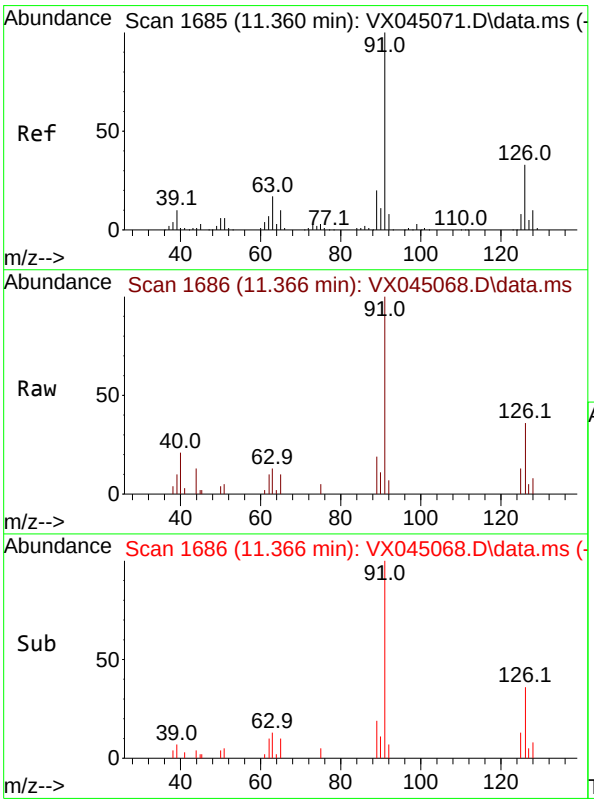
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

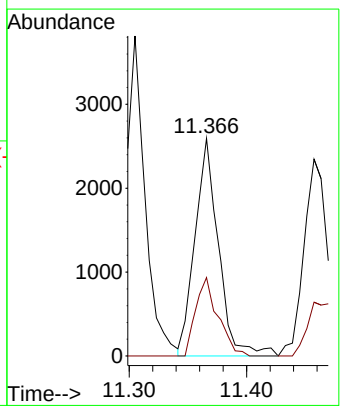
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

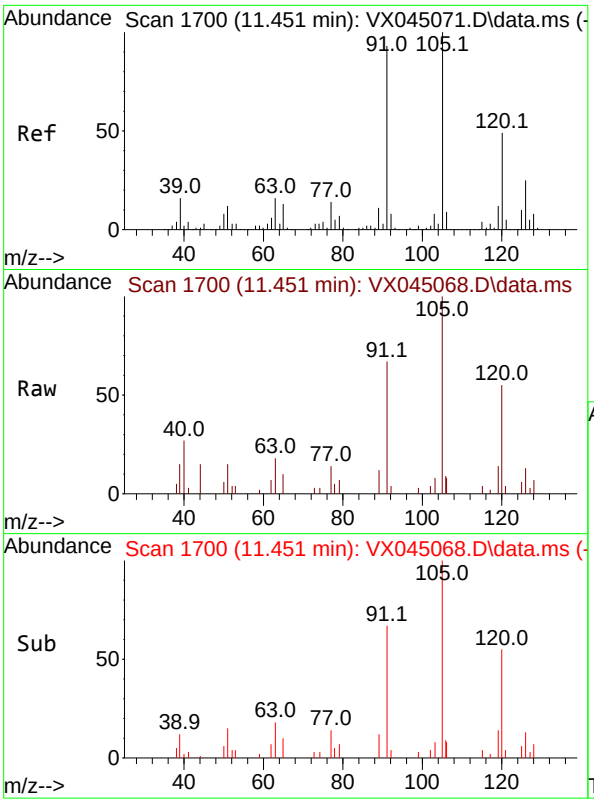


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

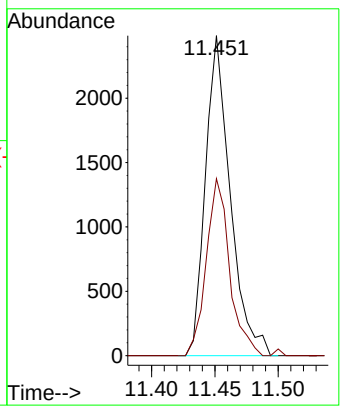




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

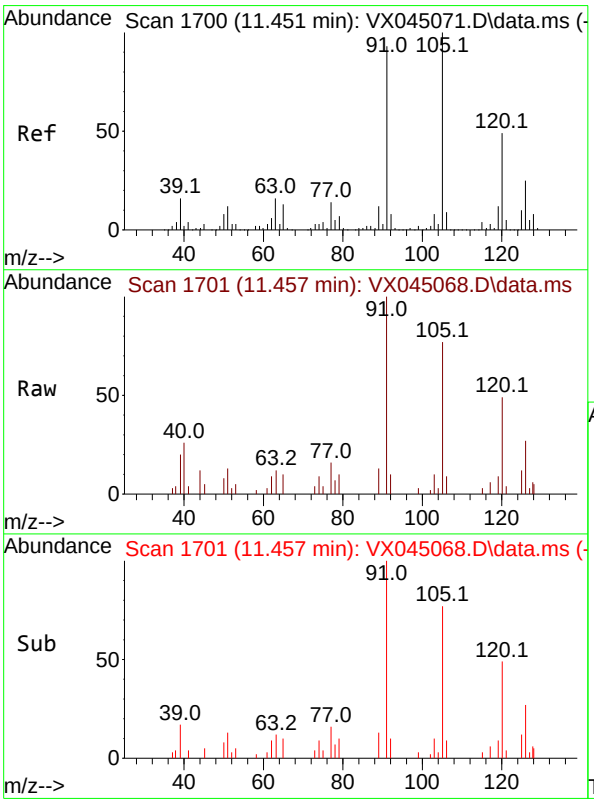
Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

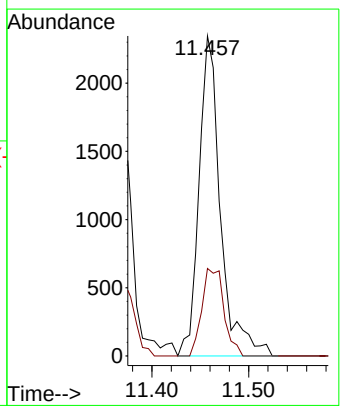
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

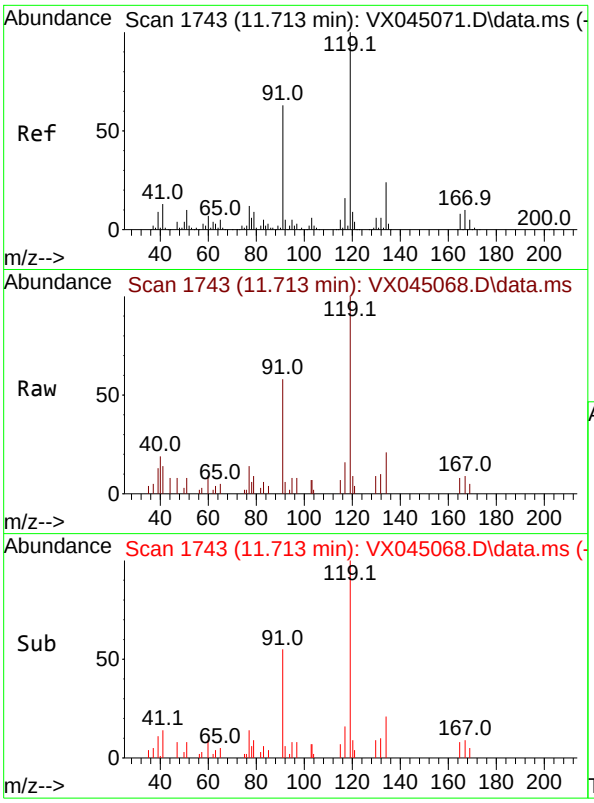


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

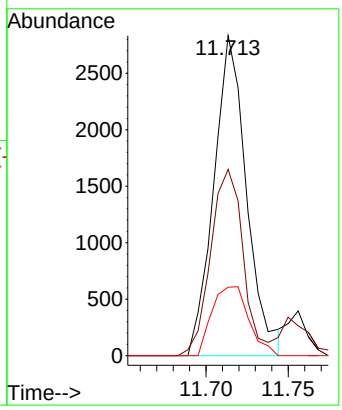




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

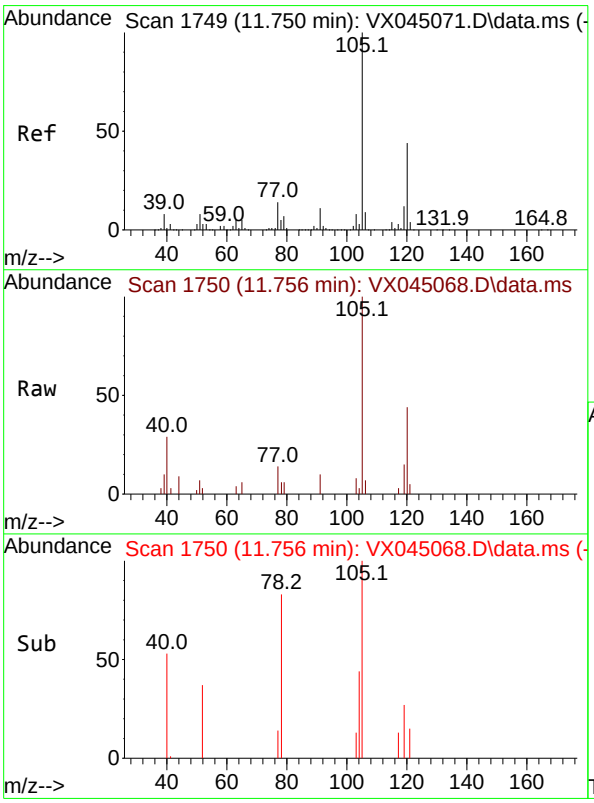
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

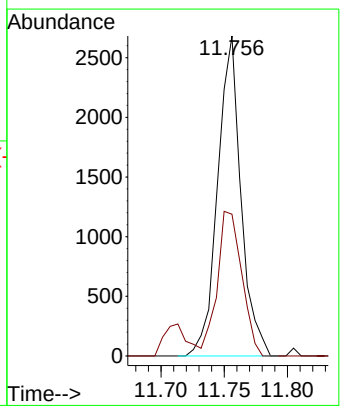
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

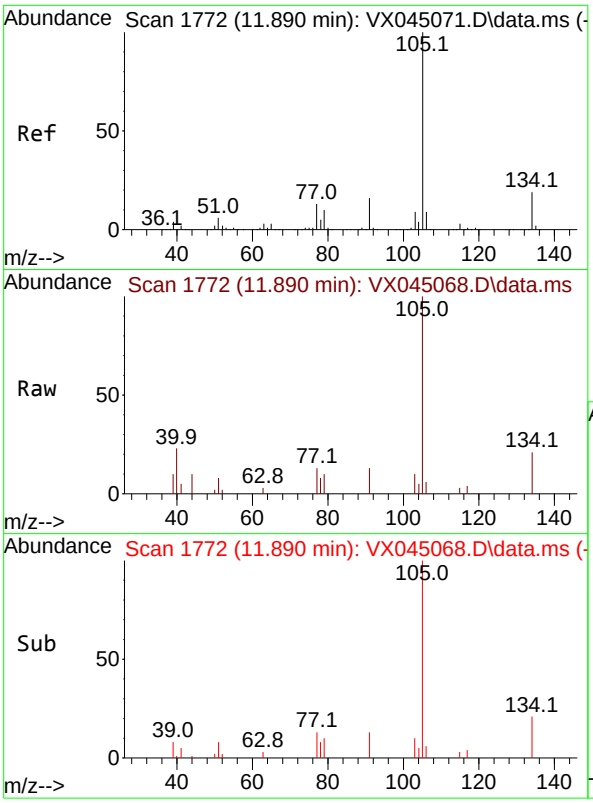


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1

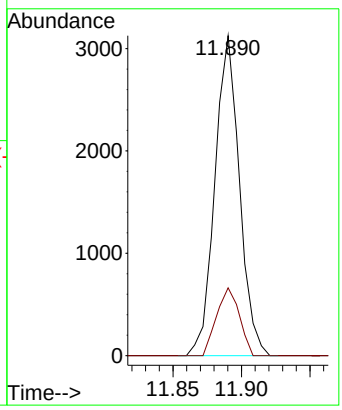




#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 389

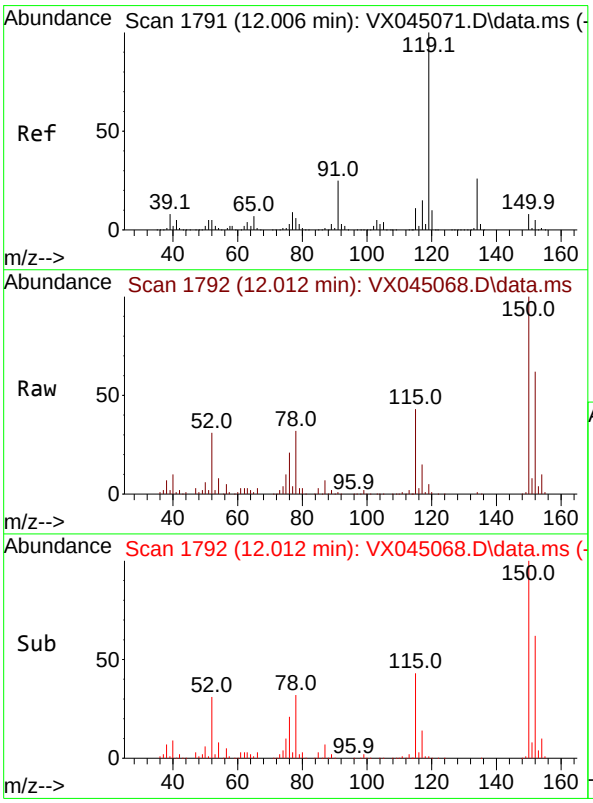
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

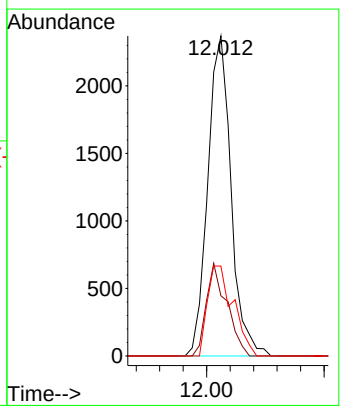
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

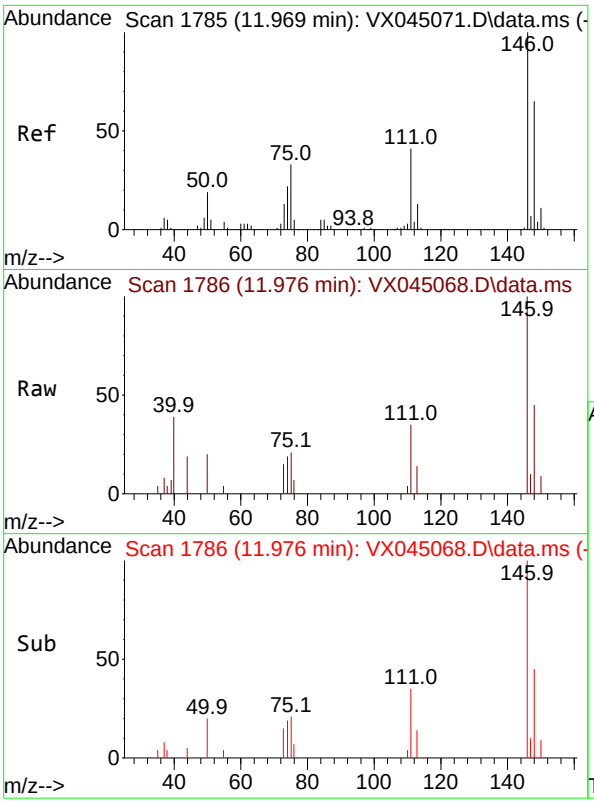


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0

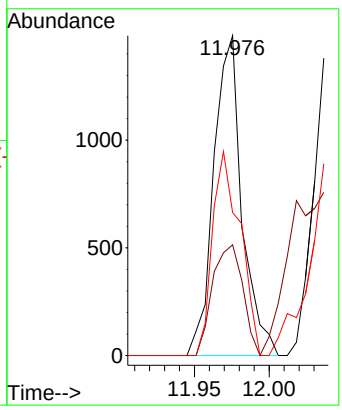




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

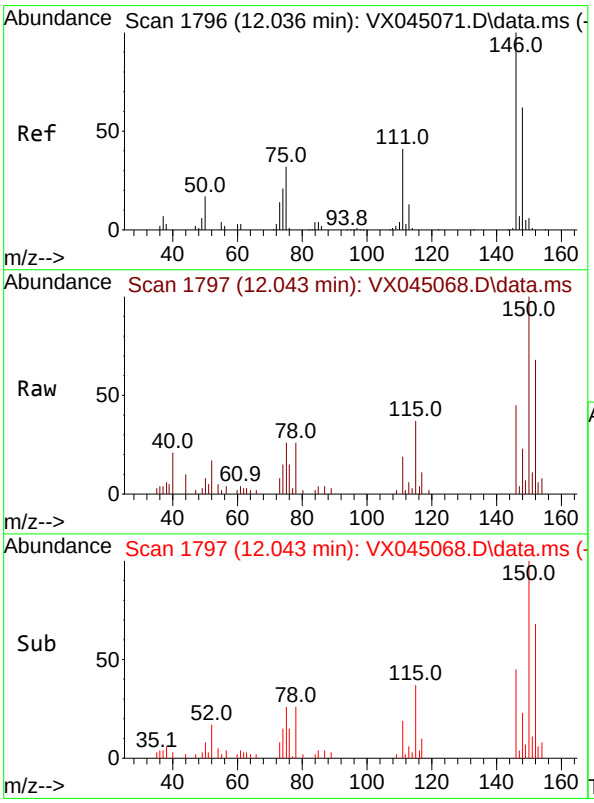
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

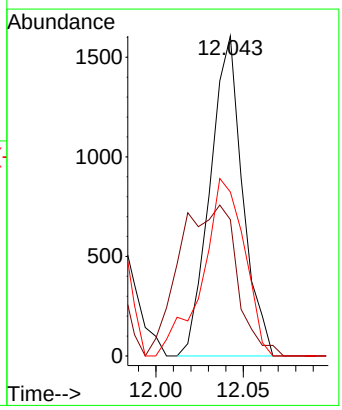
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

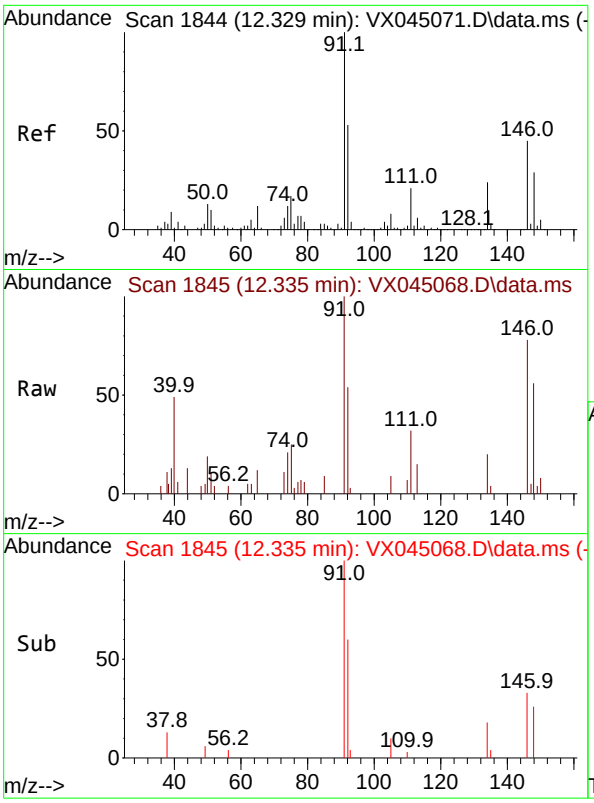


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 2082

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9

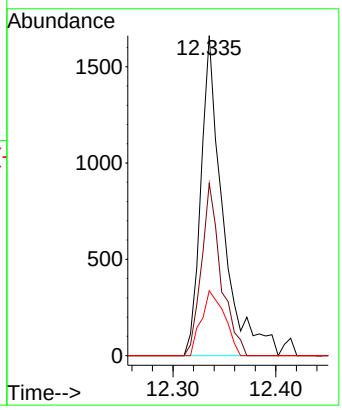




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

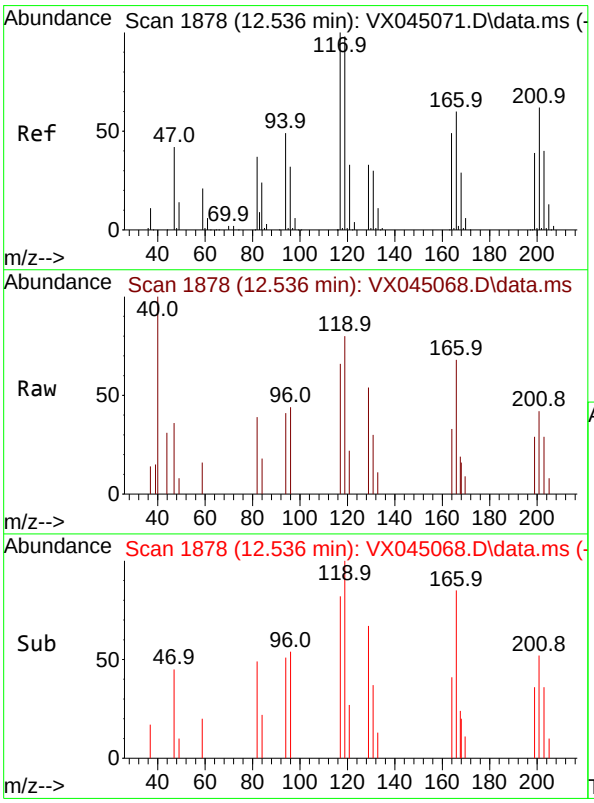
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

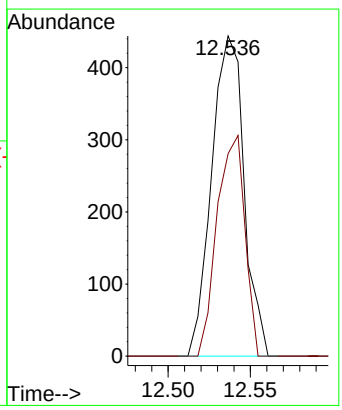
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

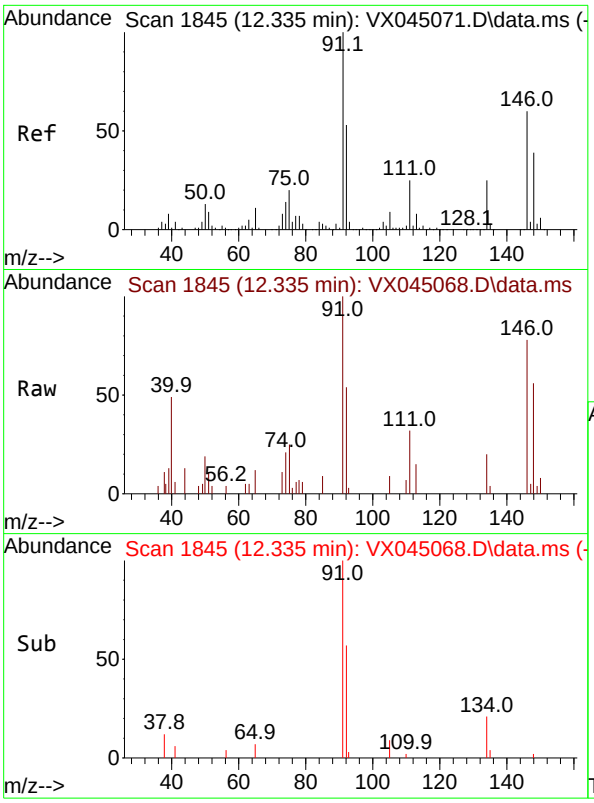


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

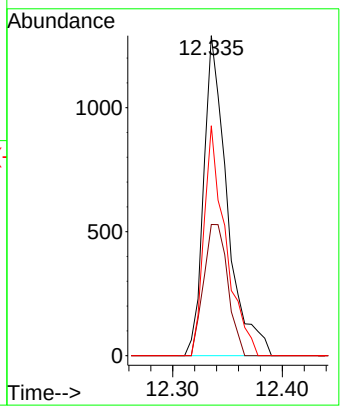




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

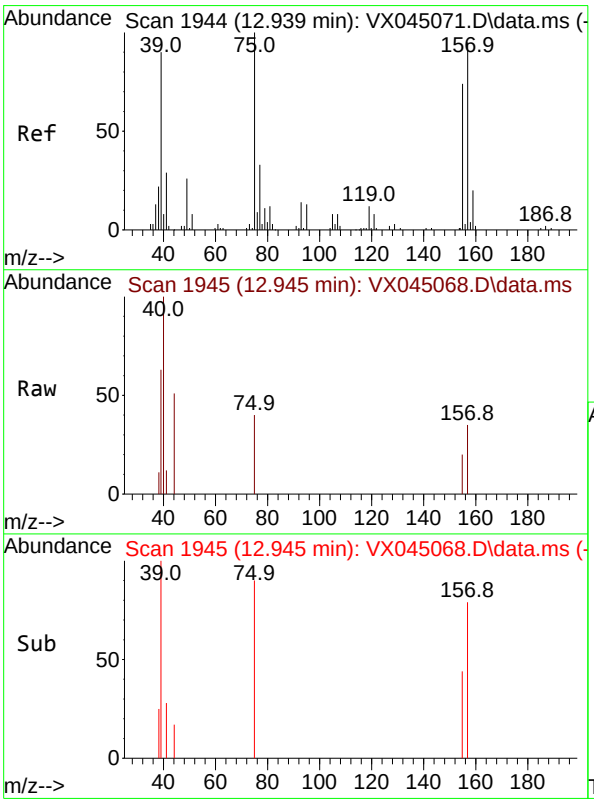
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

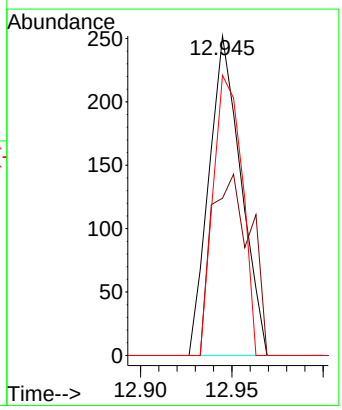
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

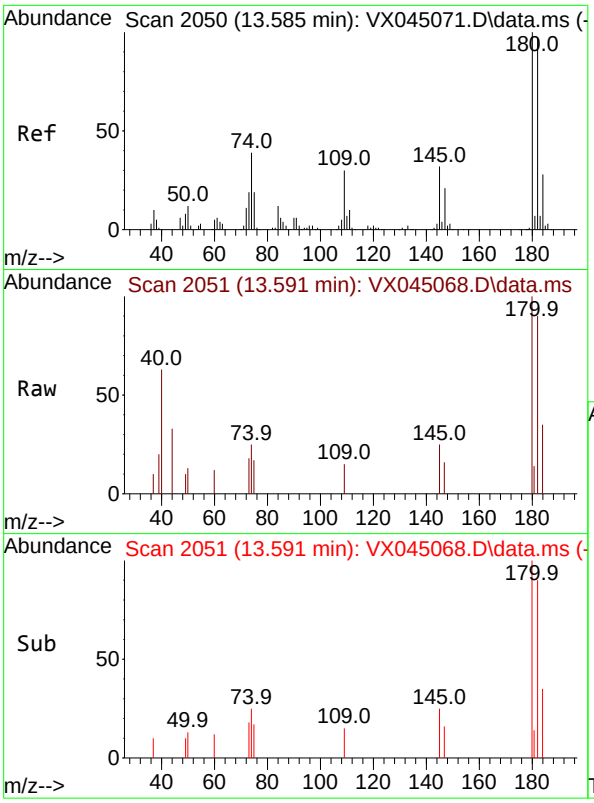


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4

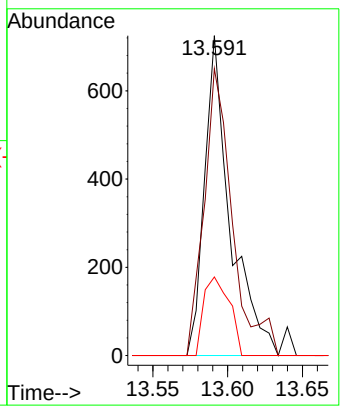




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

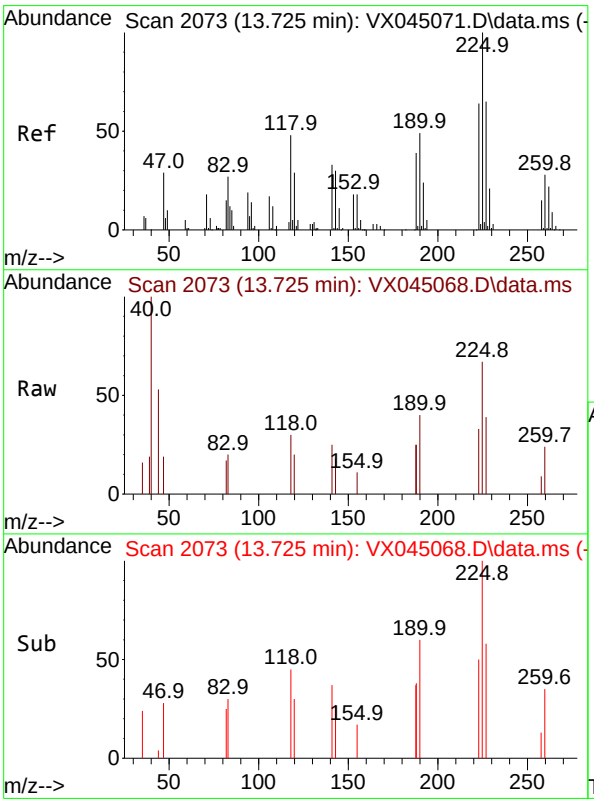
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

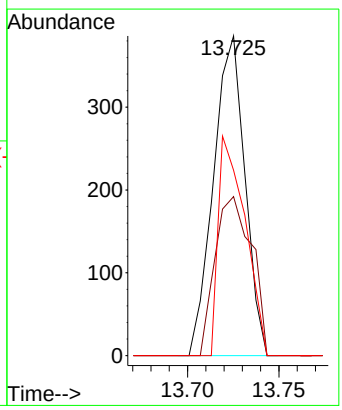
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

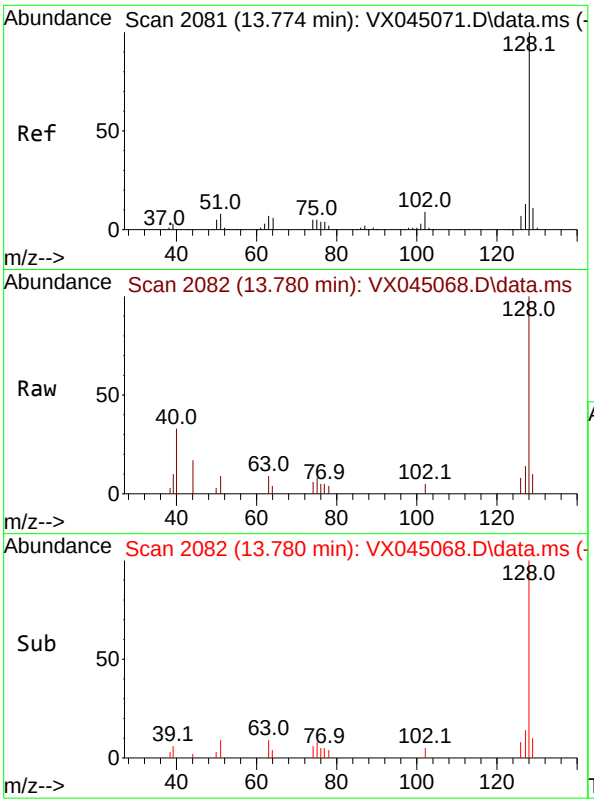


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0

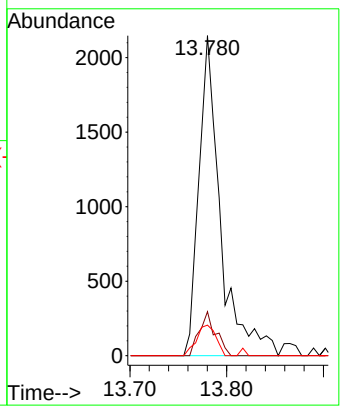




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

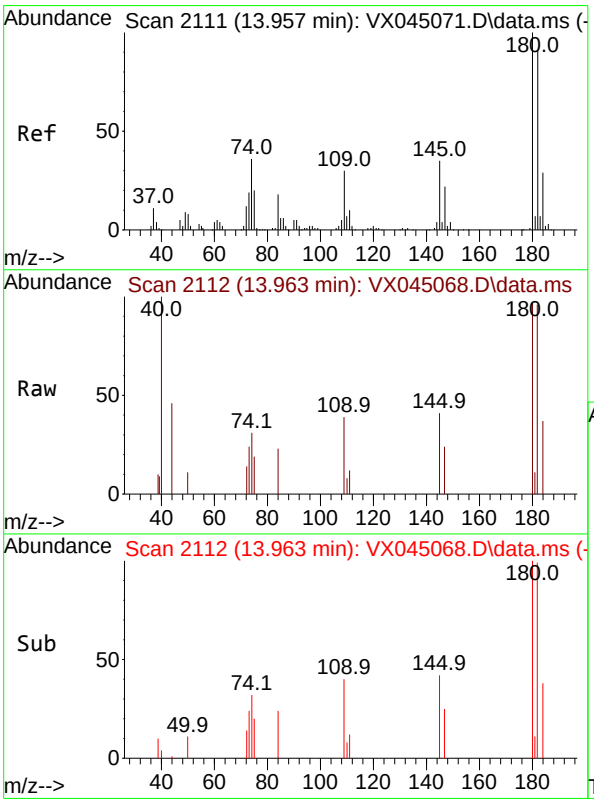
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

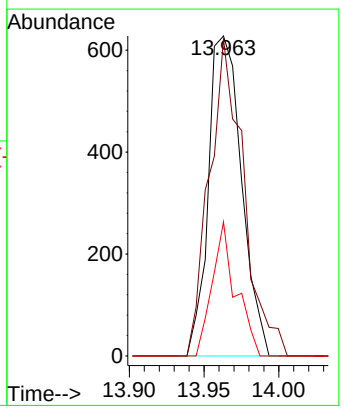
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#			
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#			
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#			
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l		
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l		99
44) Trichloroethene	7.129	130	6827	5.234	ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l		95
46) Dibromomethane	7.586	93	5146	5.195	ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l		99
52) Toluene	8.720	92	16933	4.997	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l		97
69) o-Xylene	10.640	106	11881	4.914	ug/l		95
70) Styrene	10.659	104	18278	4.704	ug/l		99
71) Bromoform	10.799	173	4027	4.541	ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l		
77) Bromobenzene	11.195	156	6970	5.163	ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l		97
95) Naphthalene	13.780	128	22927	4.287	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

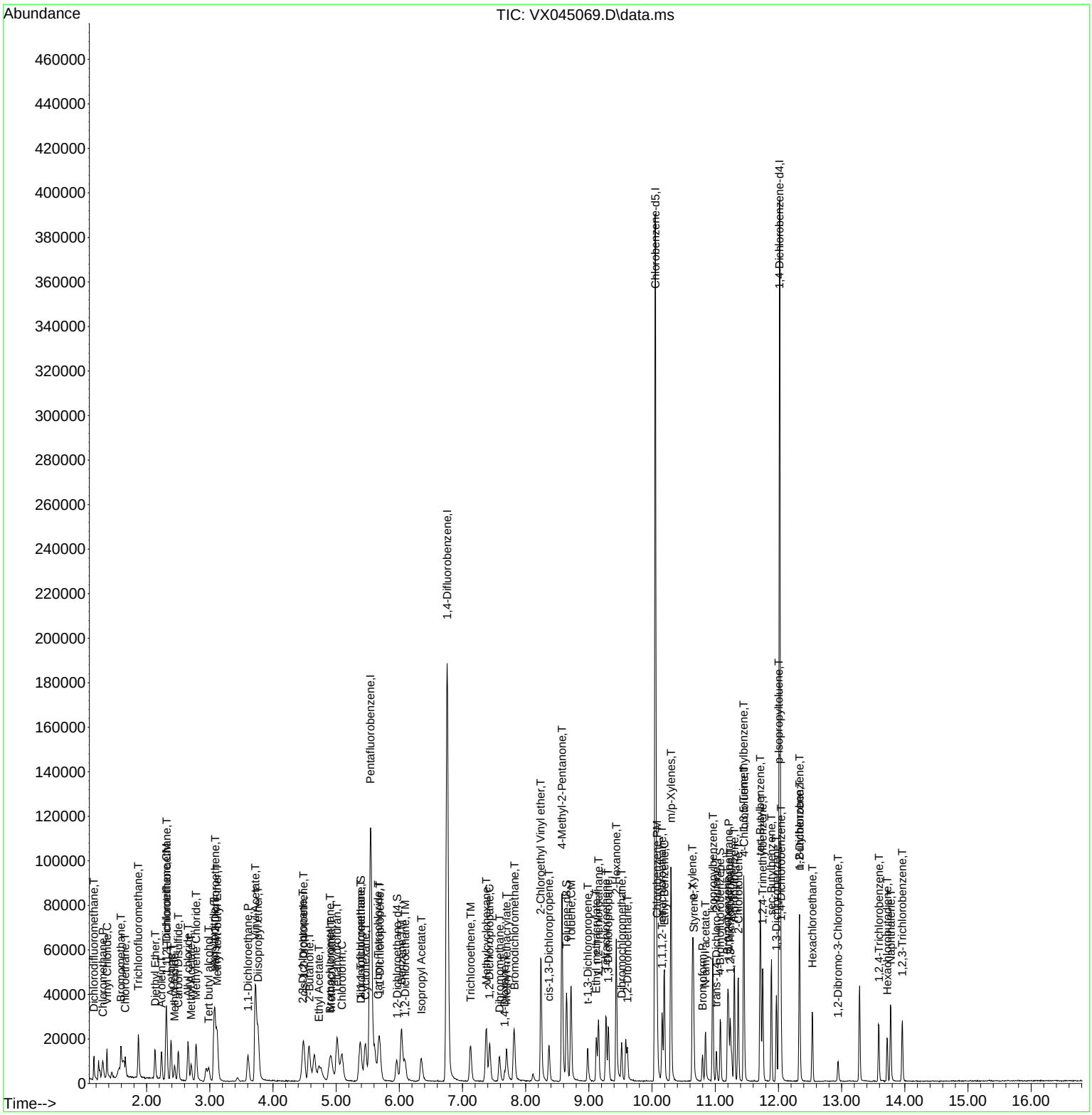
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Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

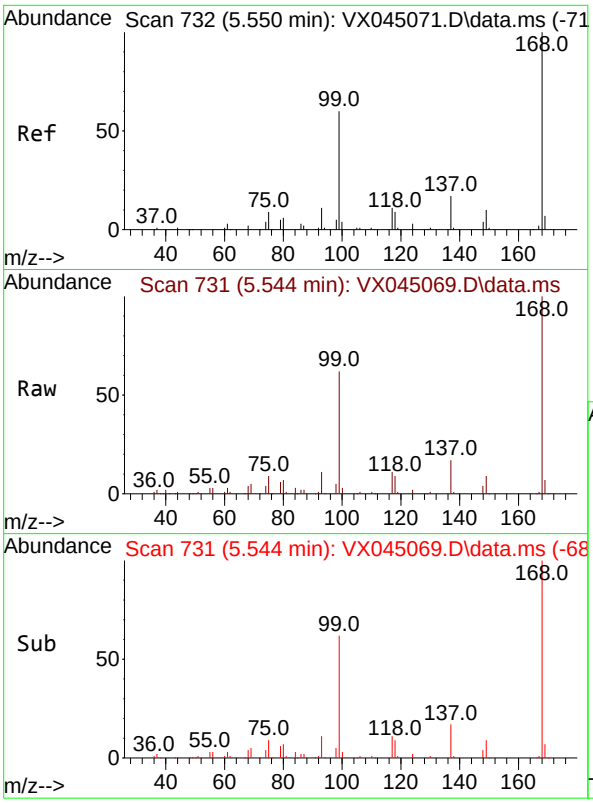
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

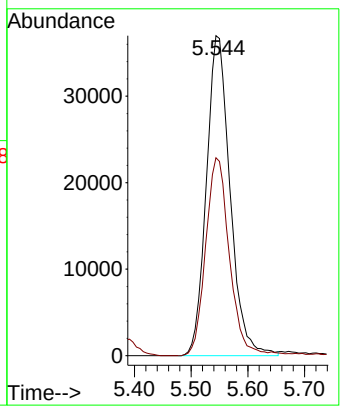




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

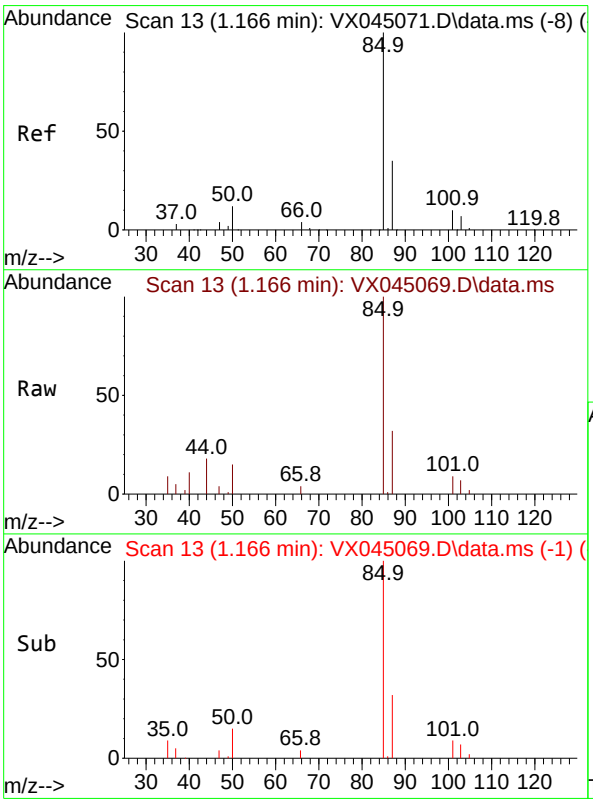
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

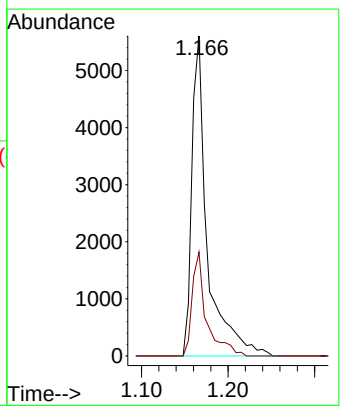
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

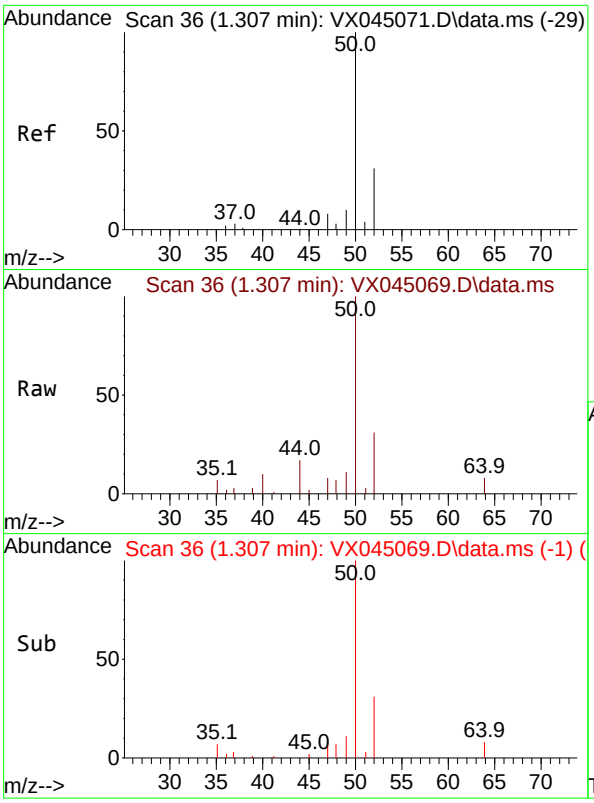


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

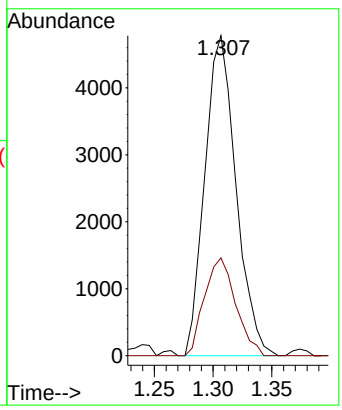




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

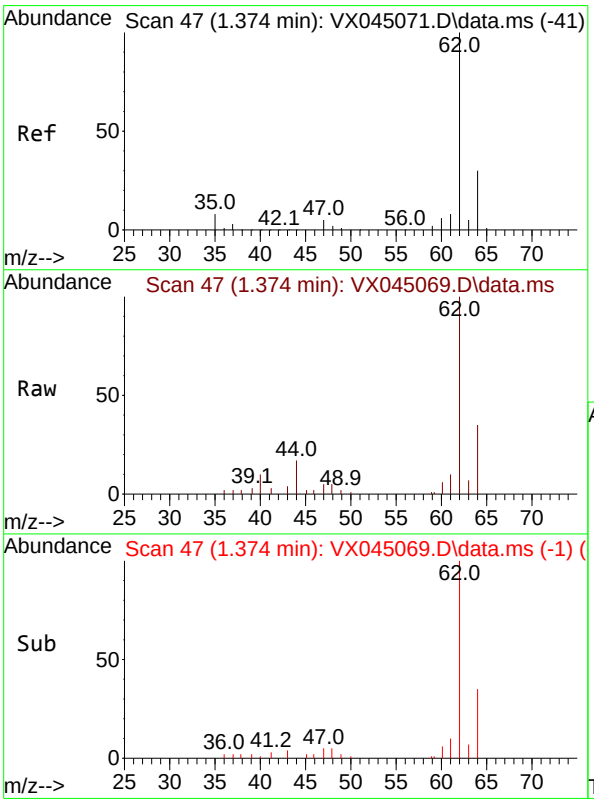
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

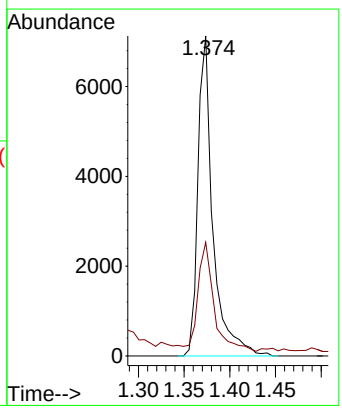
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

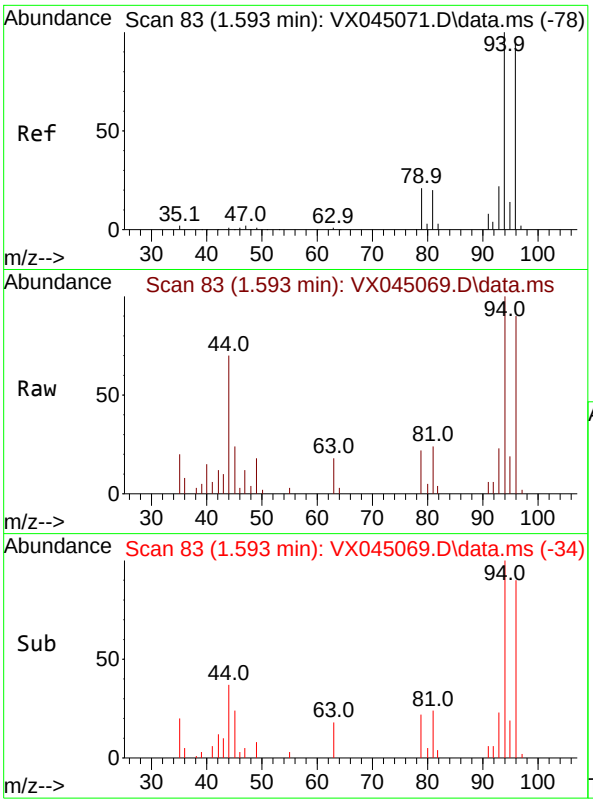


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

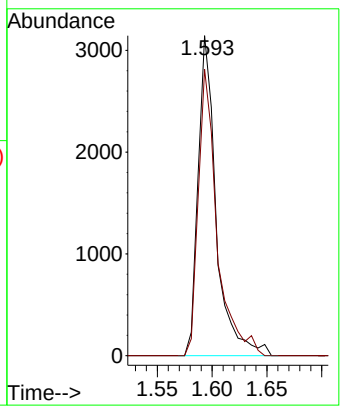




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

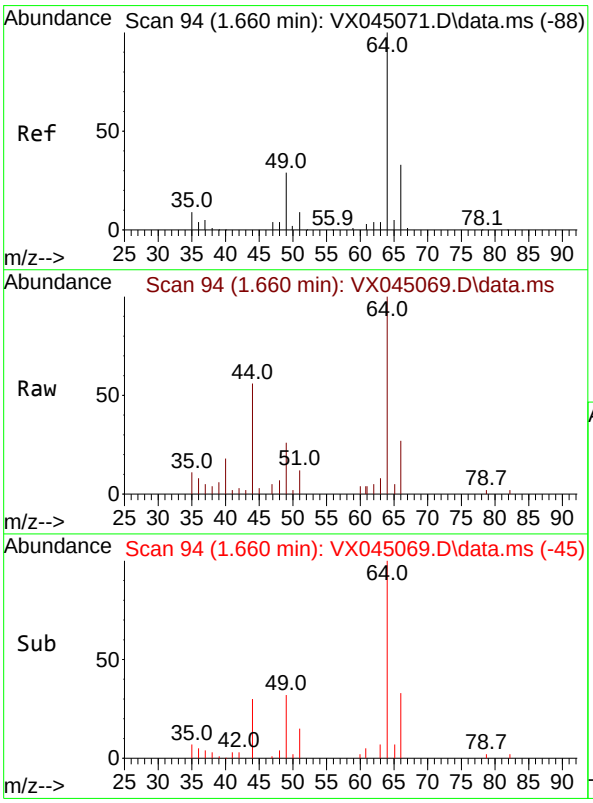
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

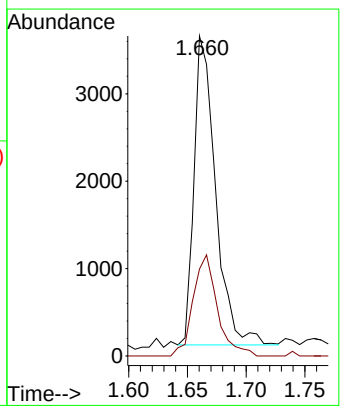
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

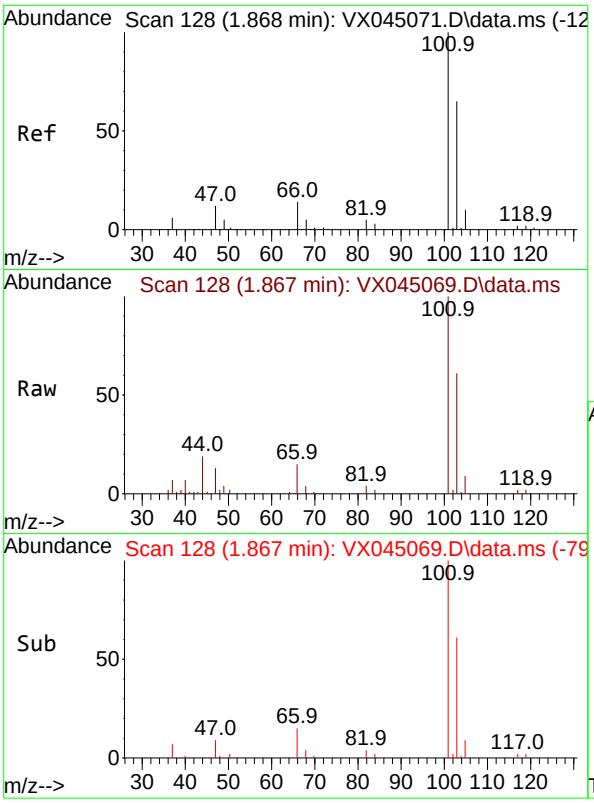


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

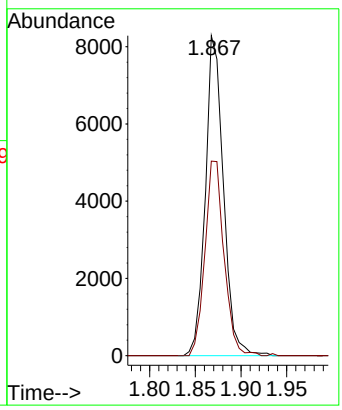




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

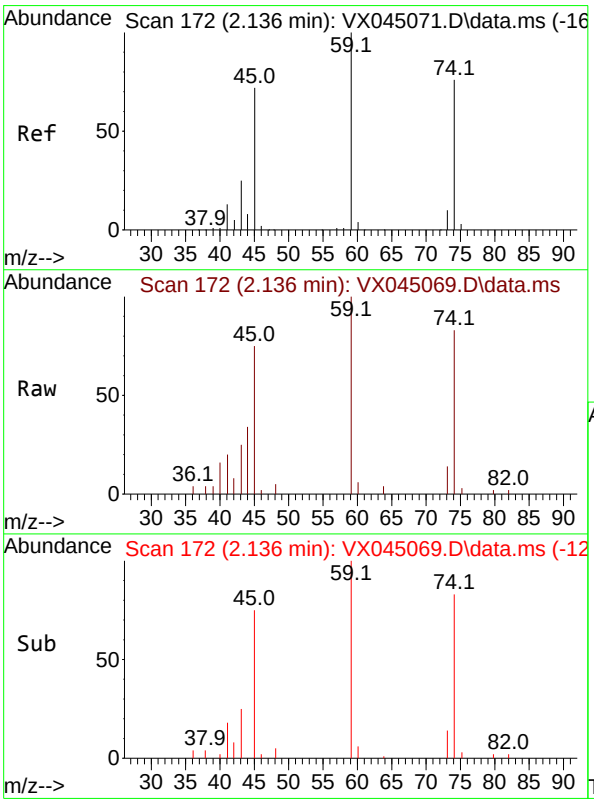
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

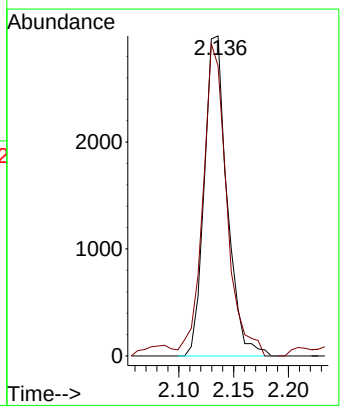
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

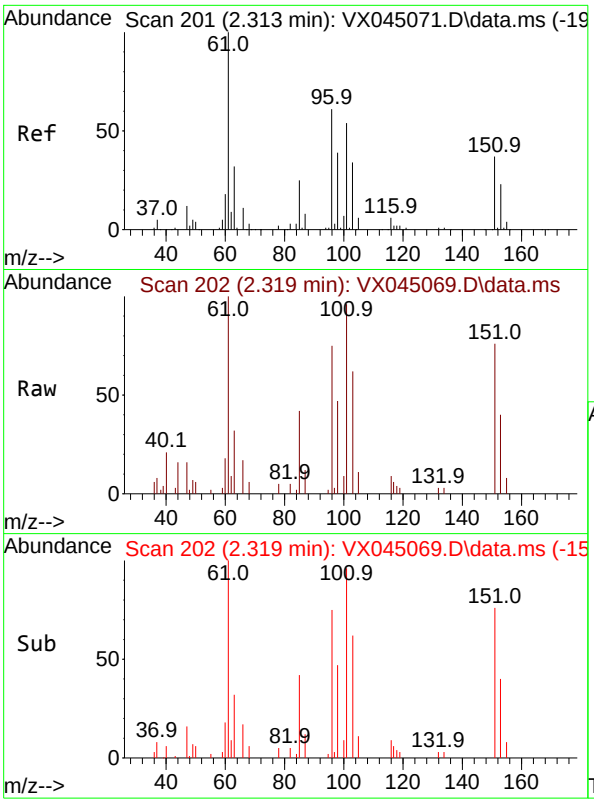


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5

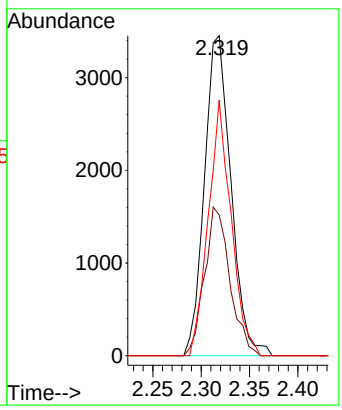




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 658

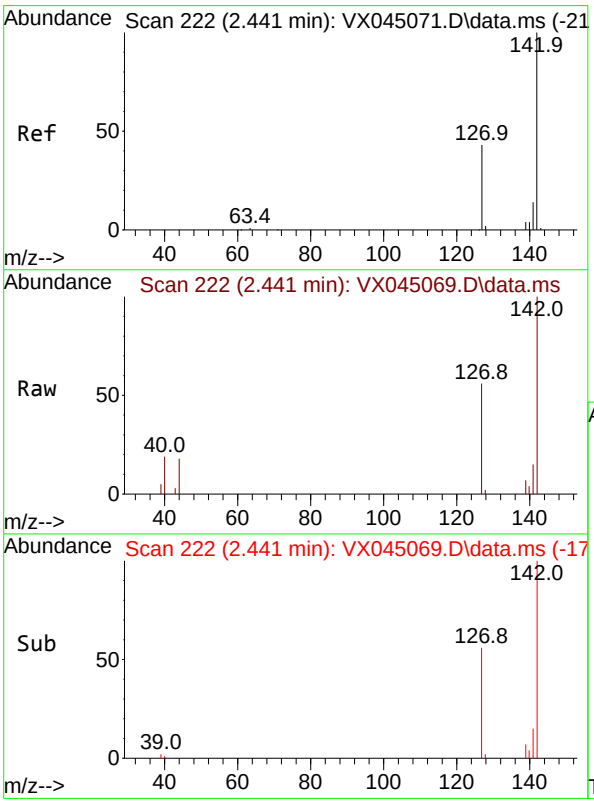
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

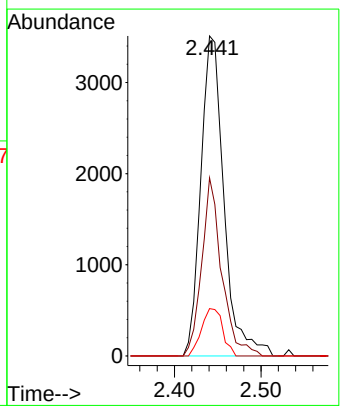
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

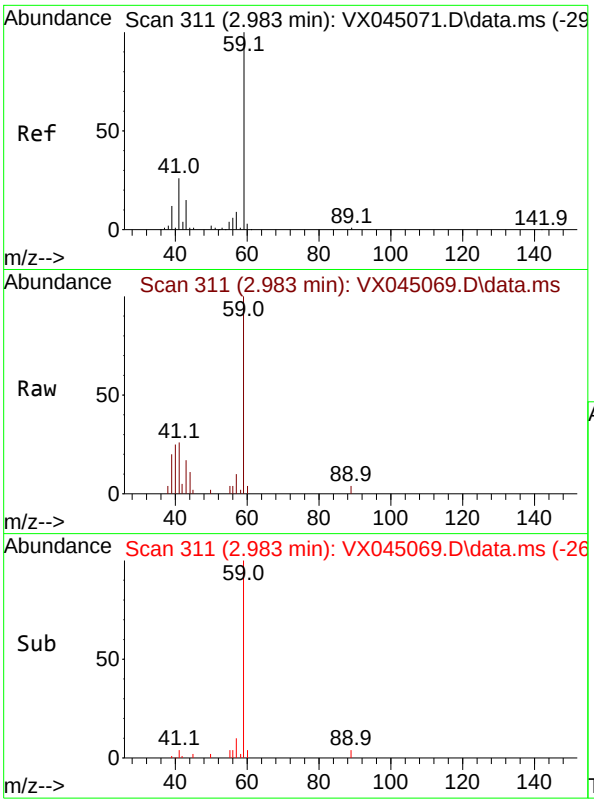


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4

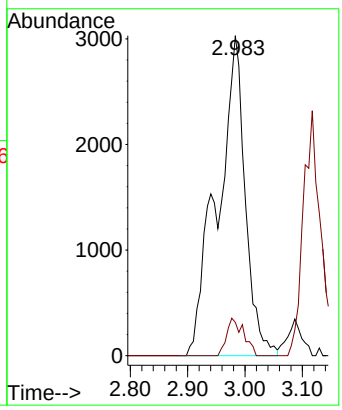




#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 59 Resp: 1016

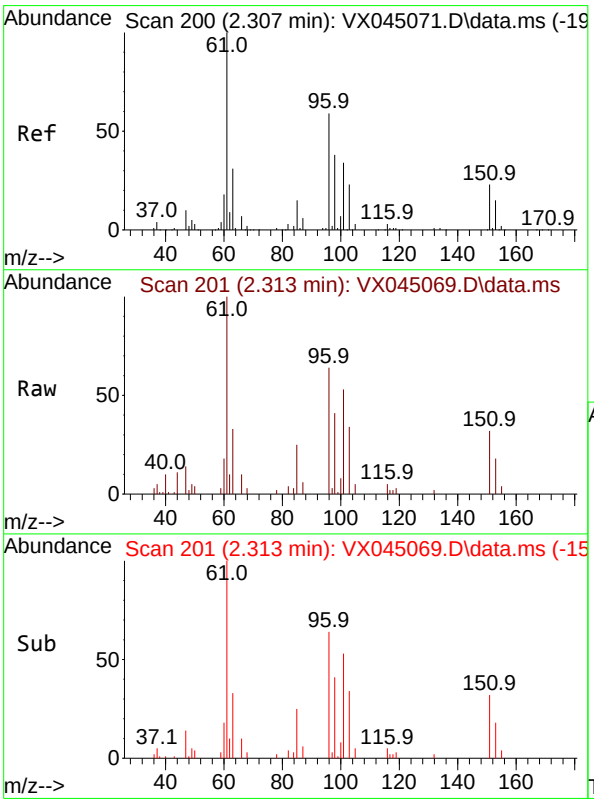
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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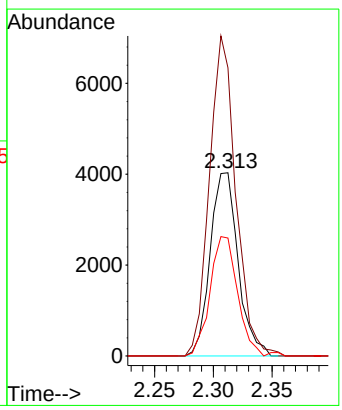
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

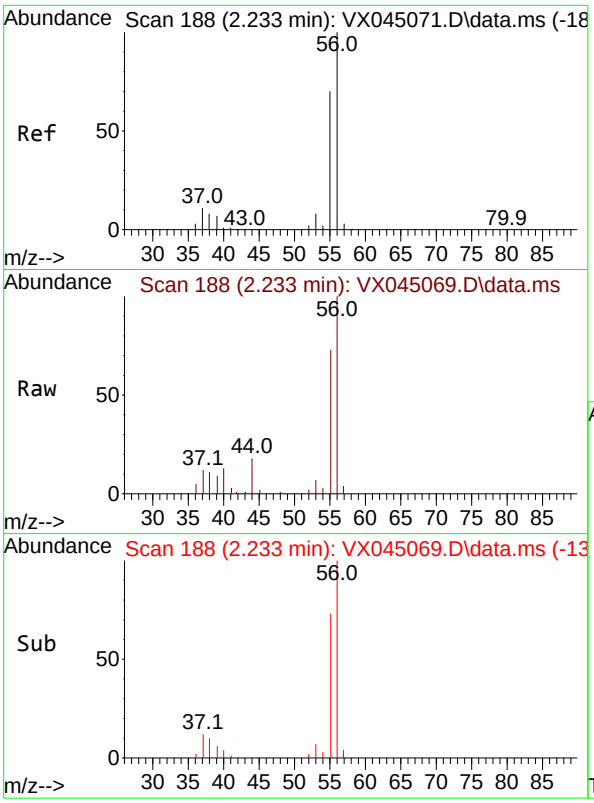


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6

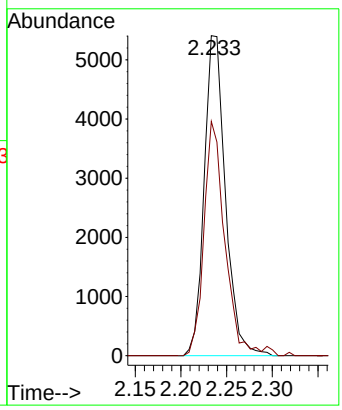




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

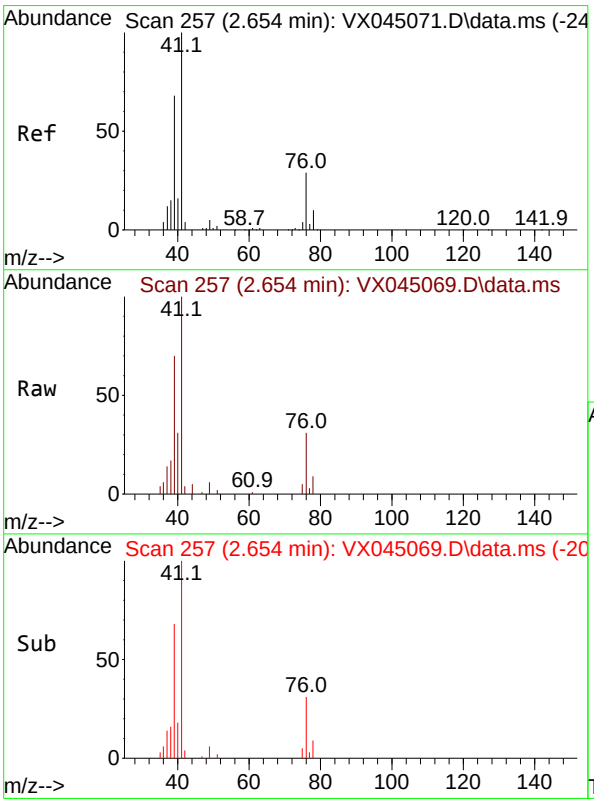
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

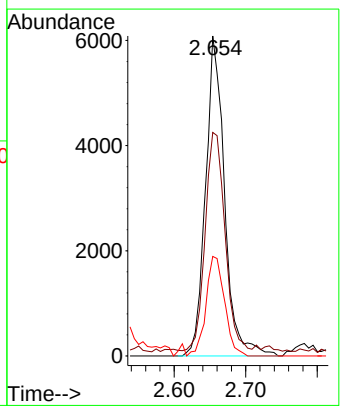
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

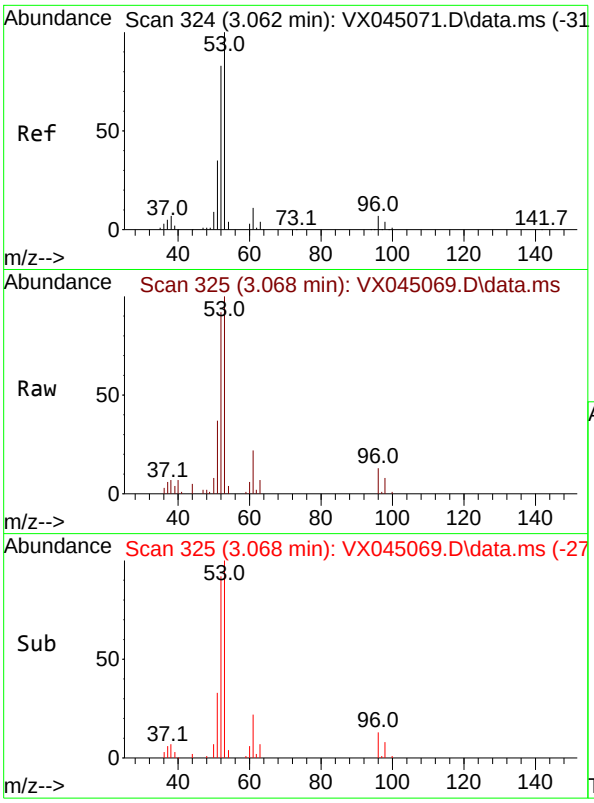


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8

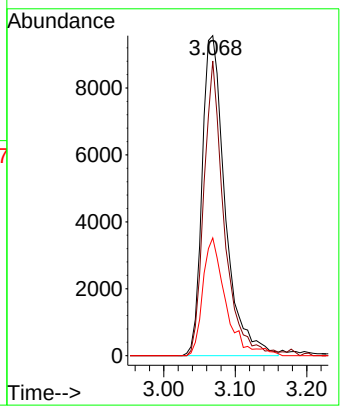




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

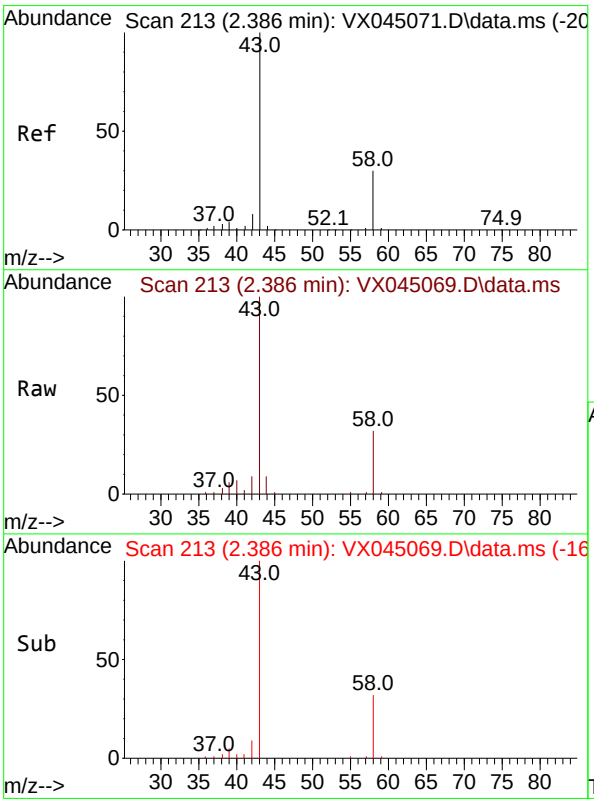
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

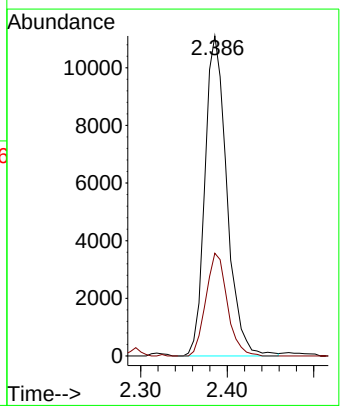
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

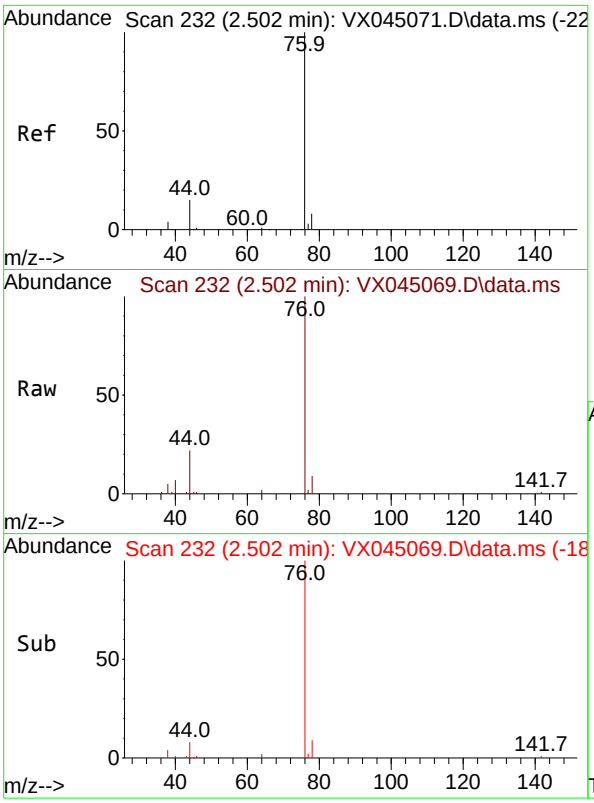


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

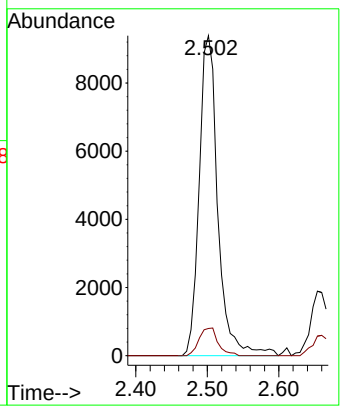
Tgt Ion: 76 Resp: 1698

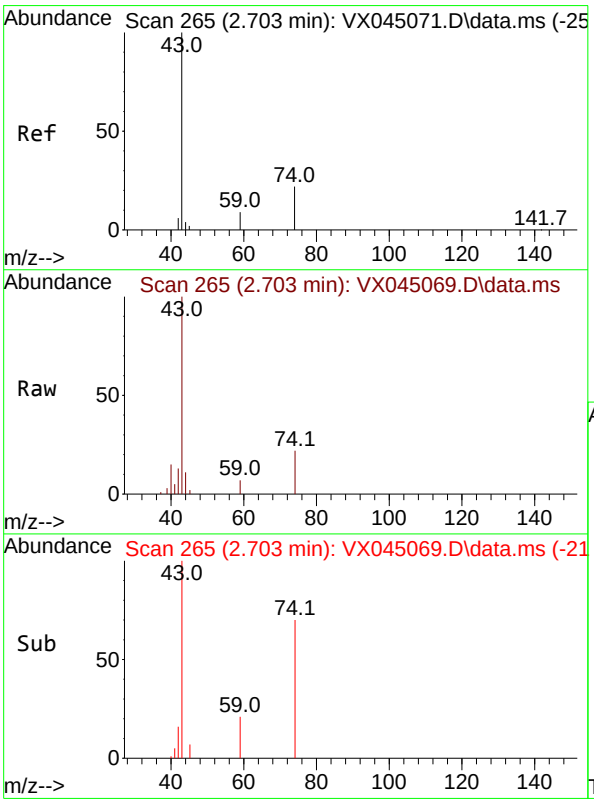
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

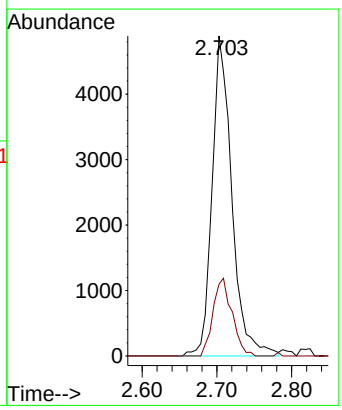


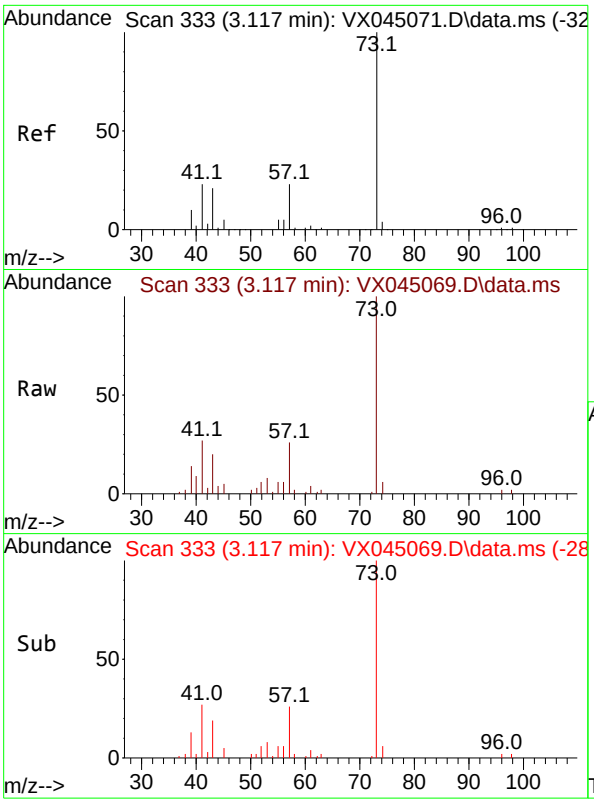


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

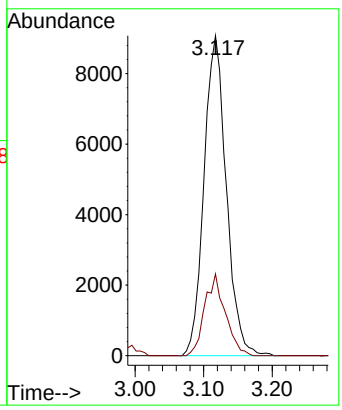
Tgt Ion: 73 Resp: 2054

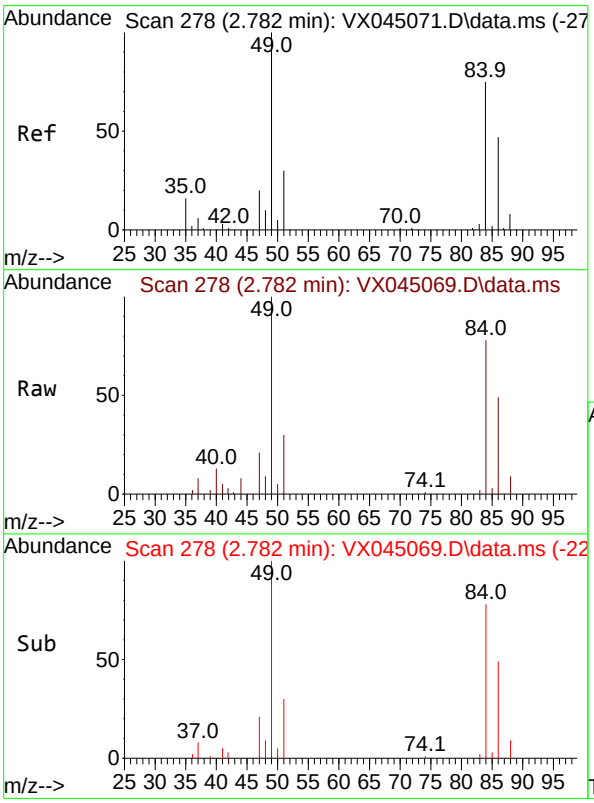
Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

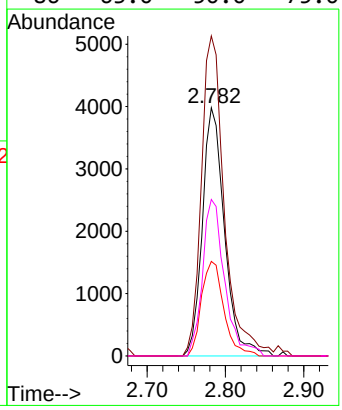


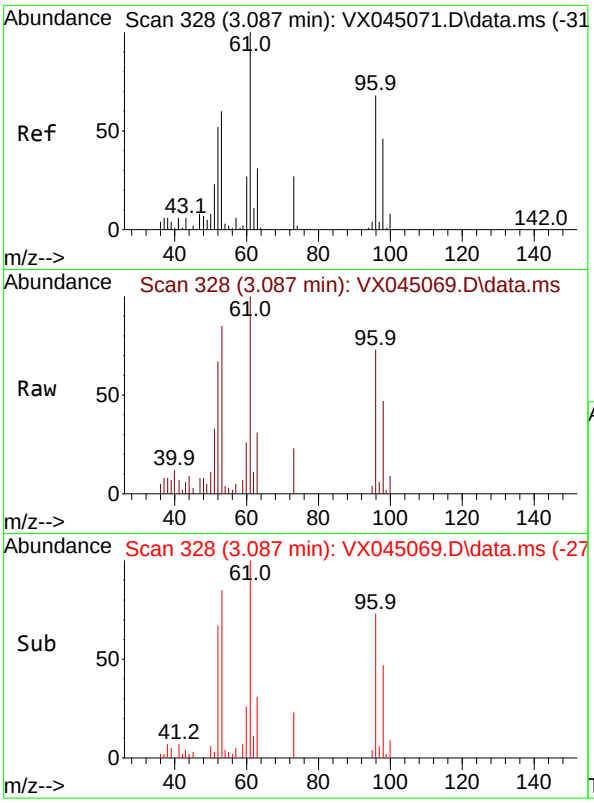


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0

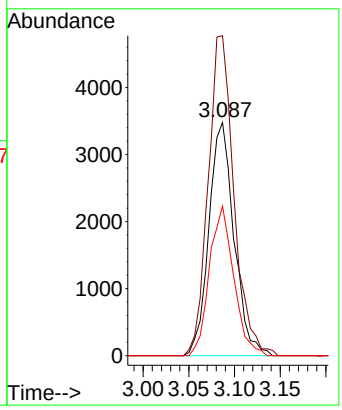




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

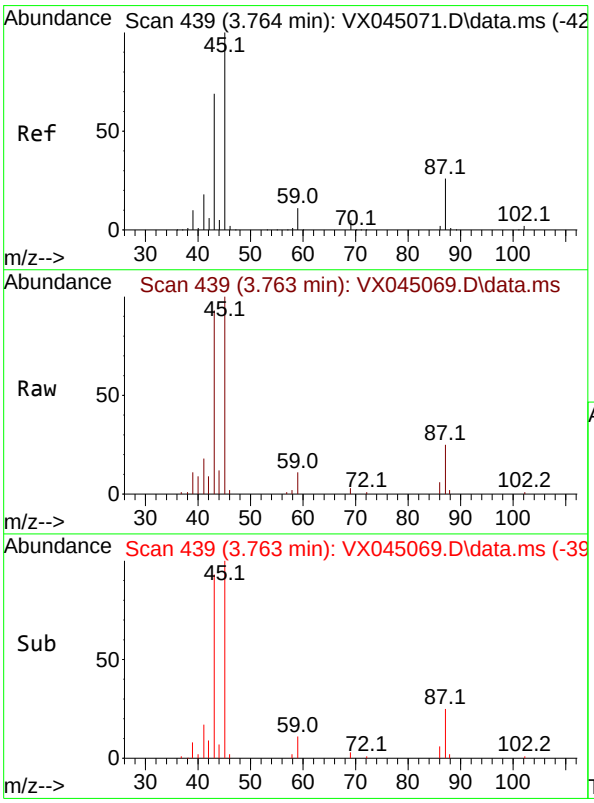
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

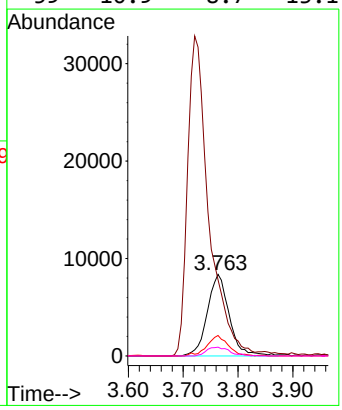
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

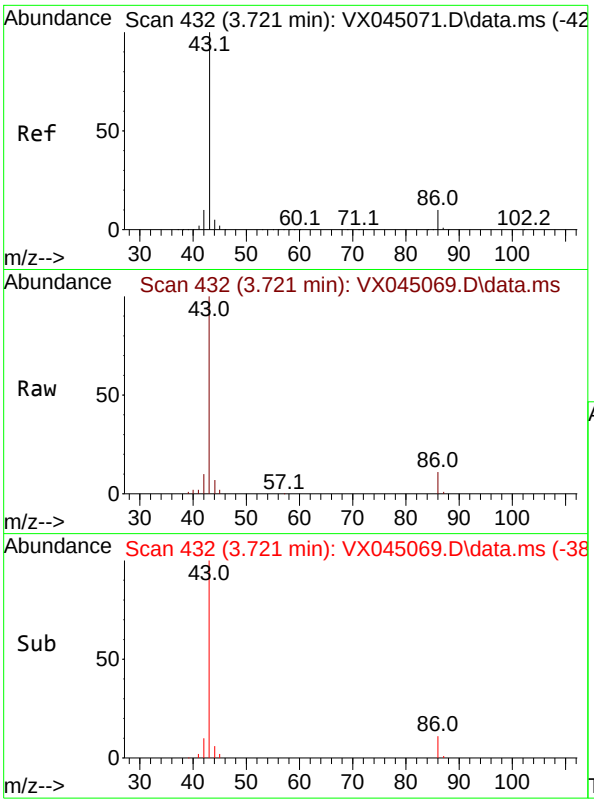


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

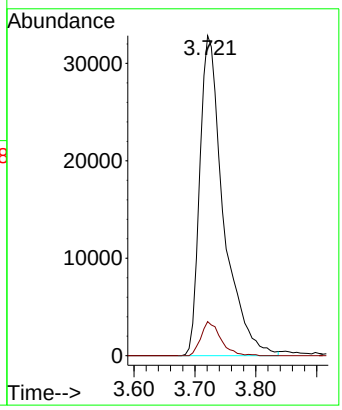
Tgt Ion: 43 Resp: 8885

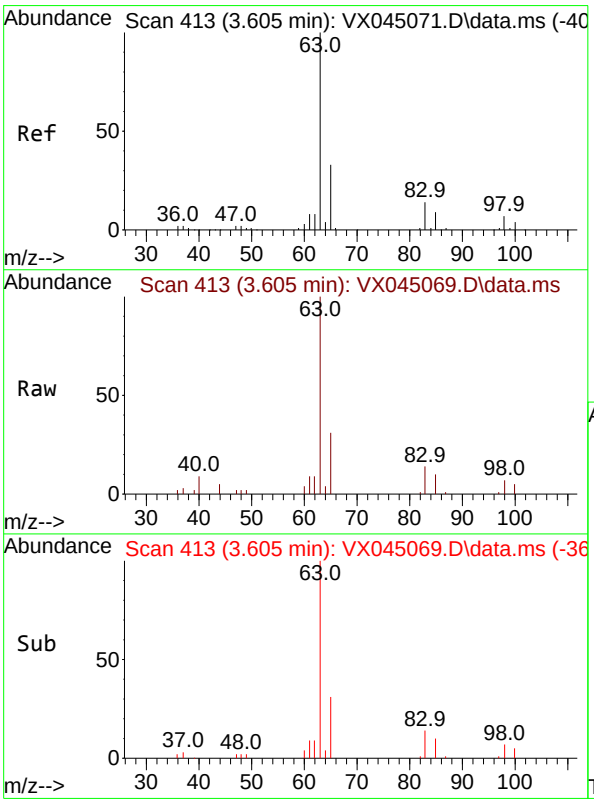
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

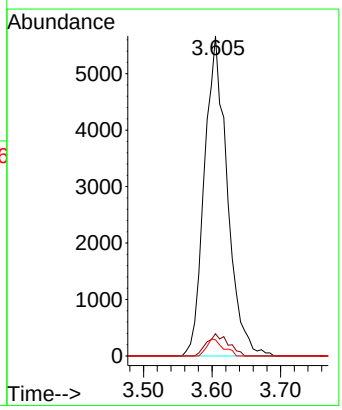


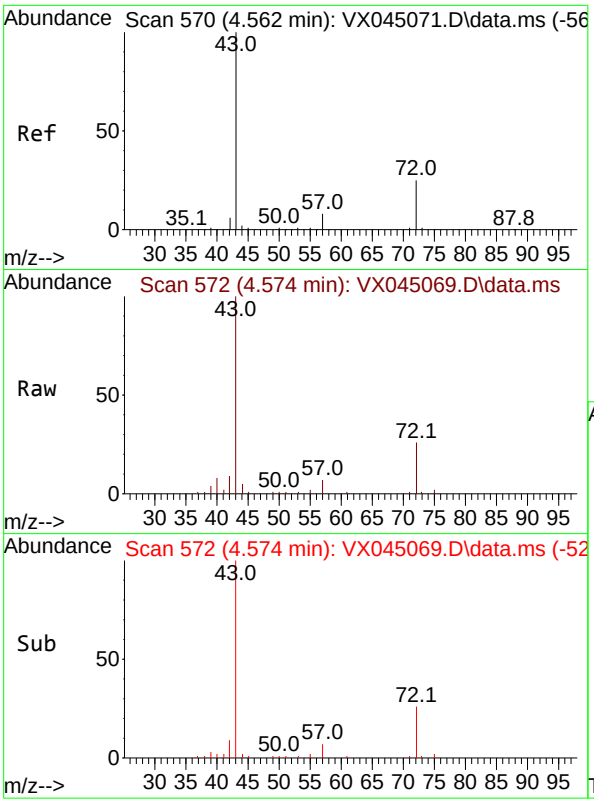


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5

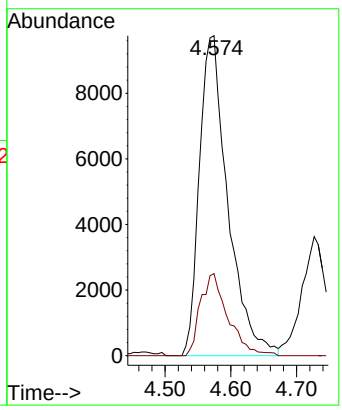




#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 2927

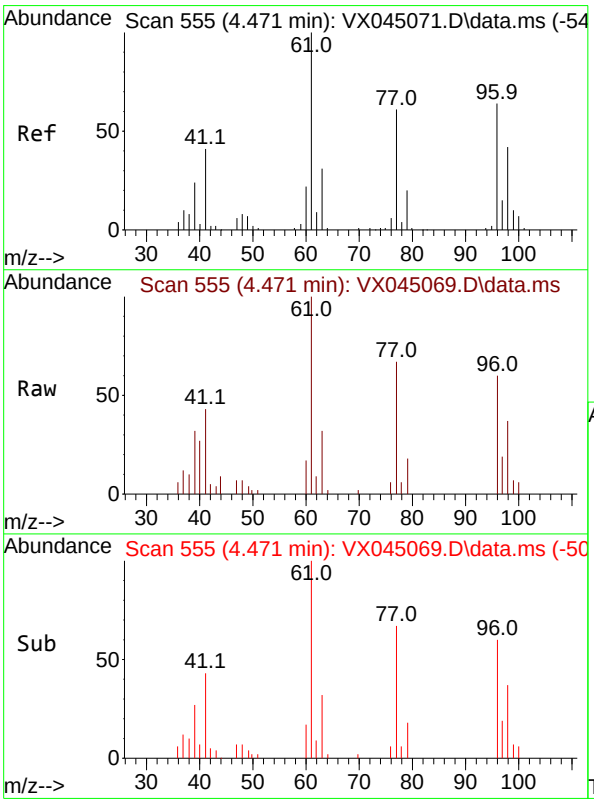
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

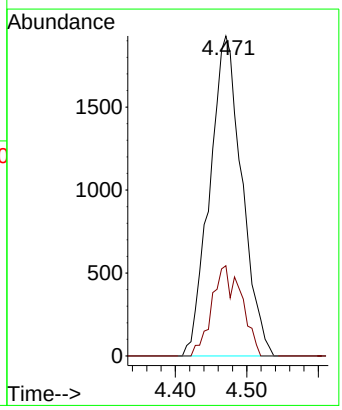
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

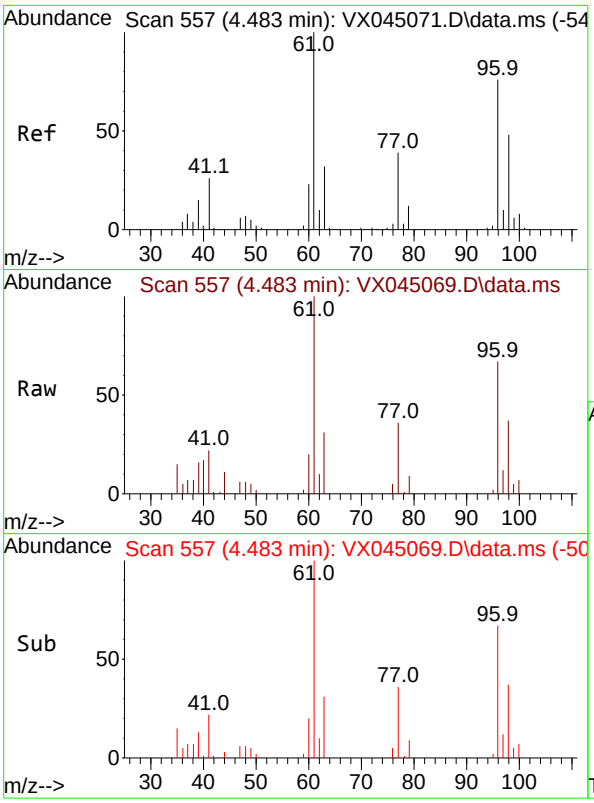


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0

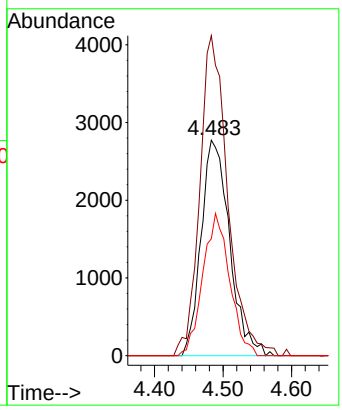




#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 801

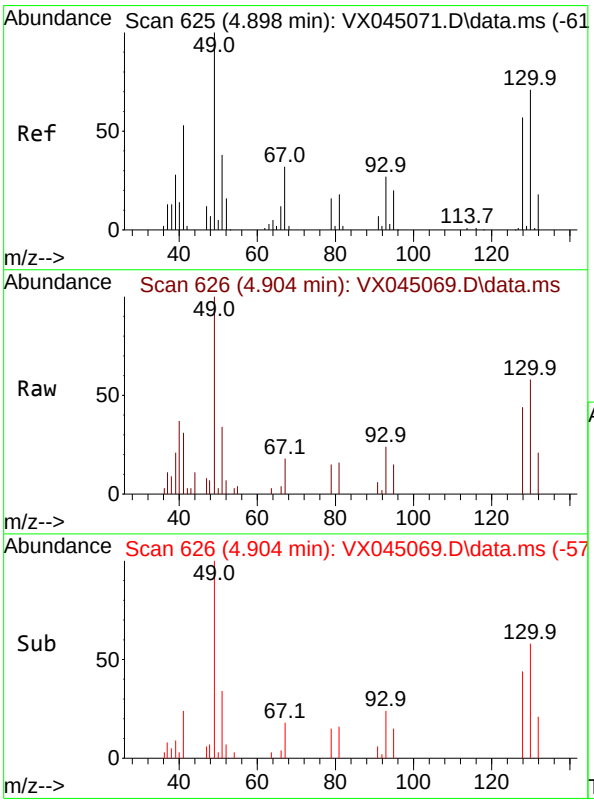
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

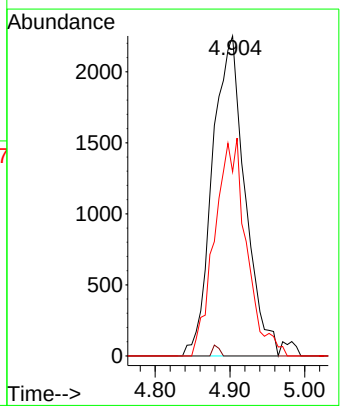
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

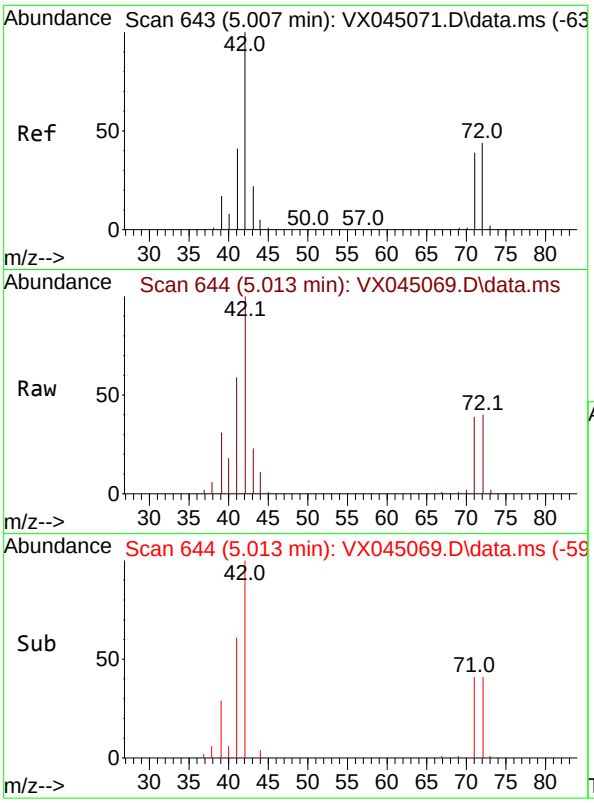


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1

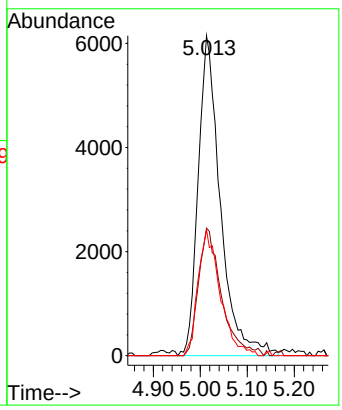




#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 42 Resp: 2018

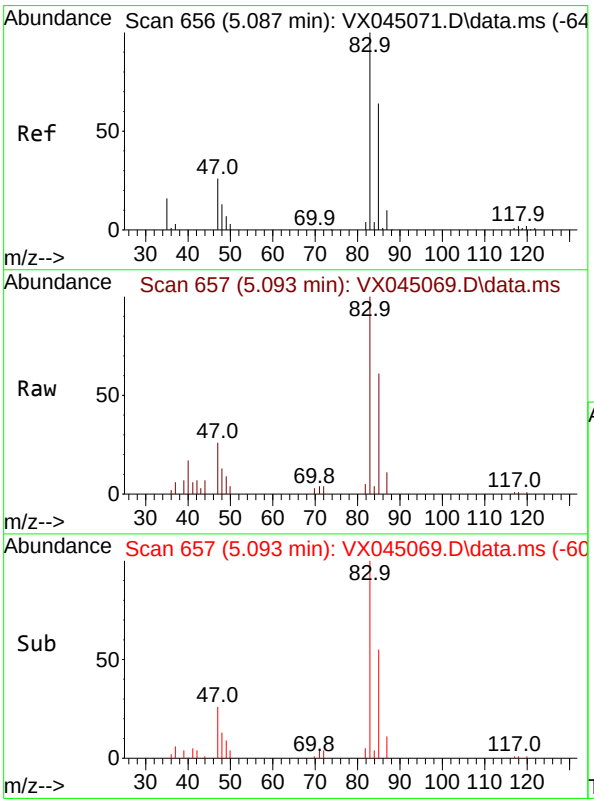
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

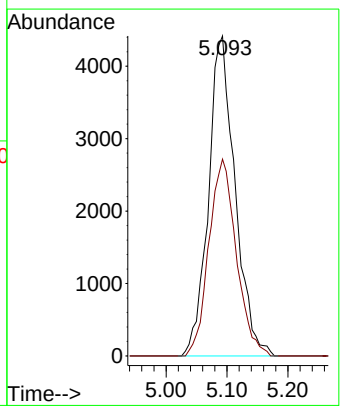
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

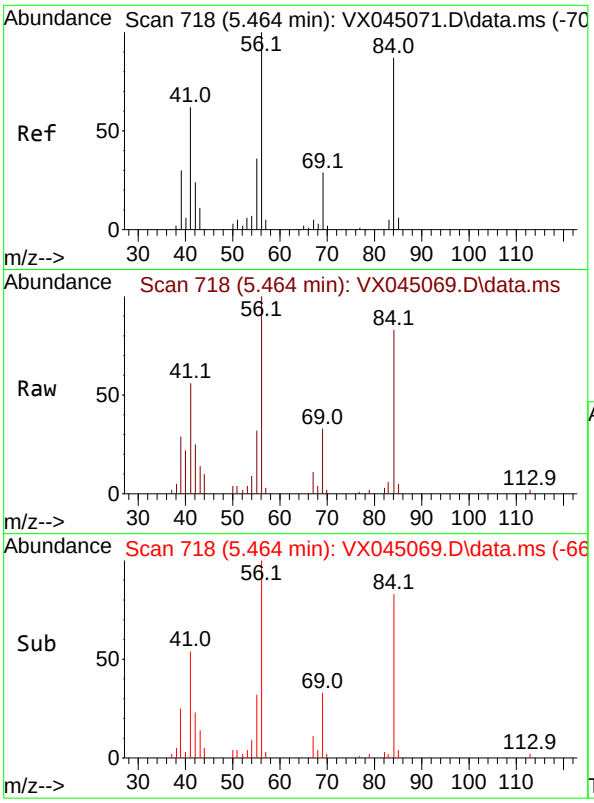


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2

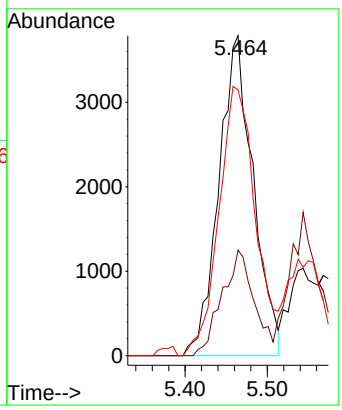




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

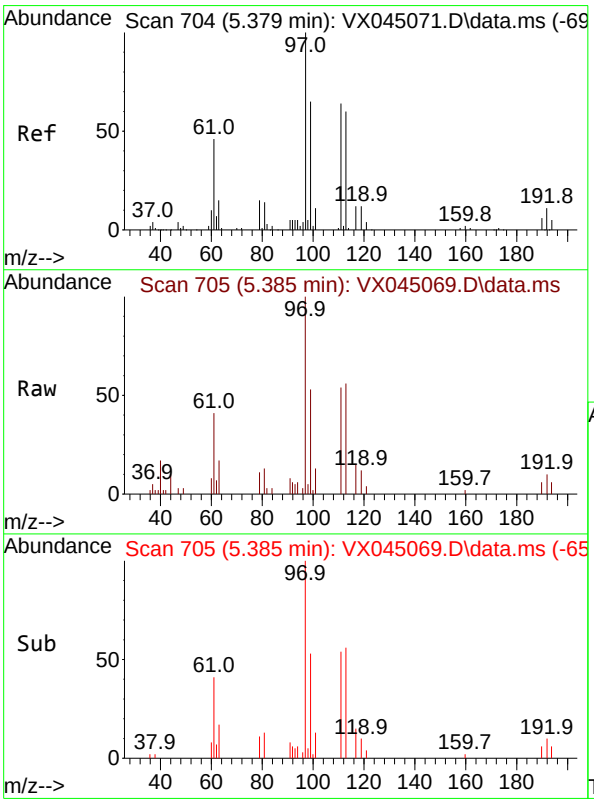
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

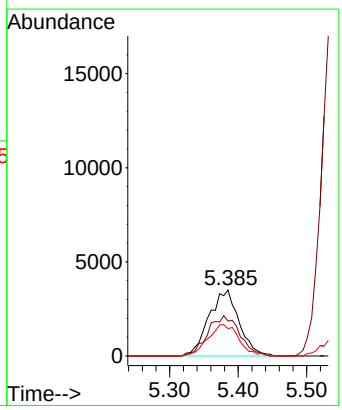
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

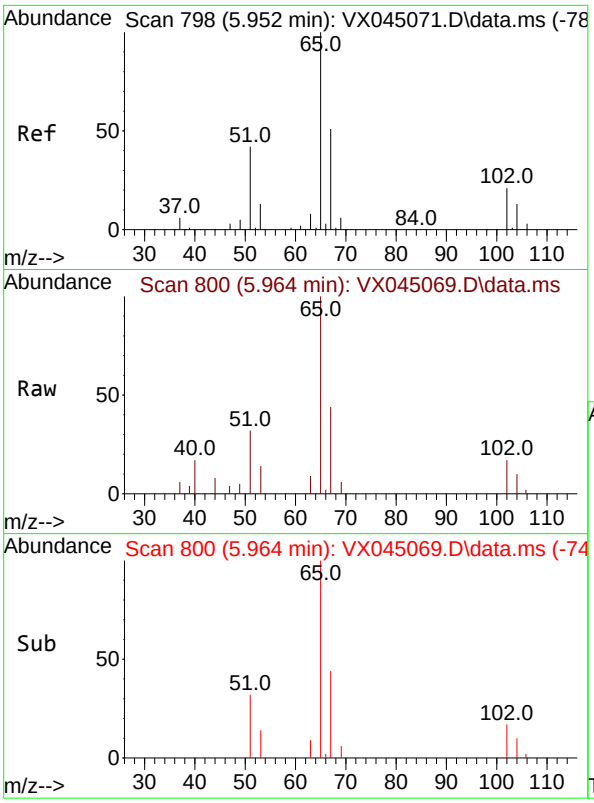


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6

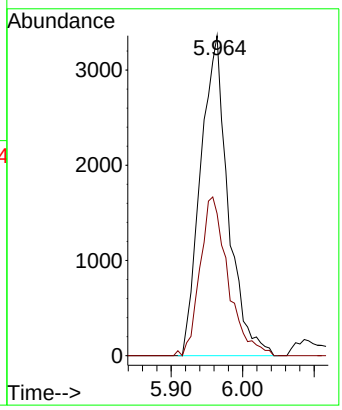




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

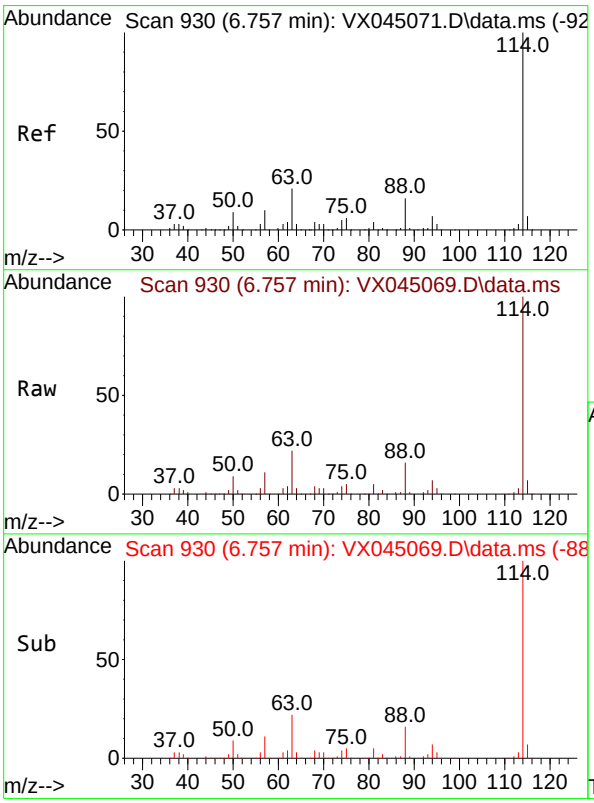
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

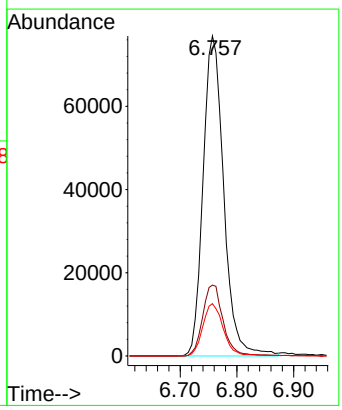
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

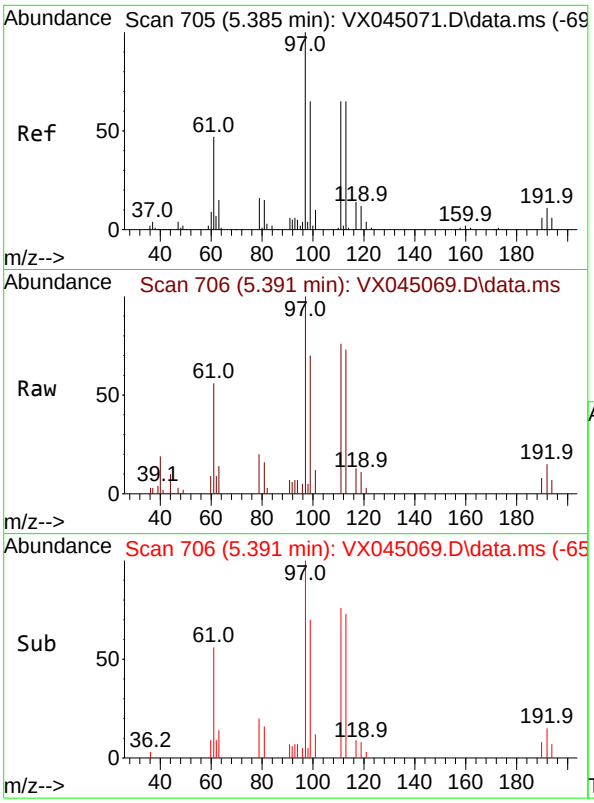


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8

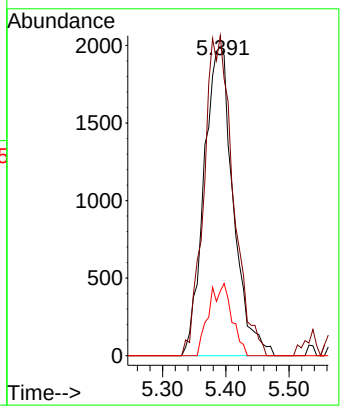




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

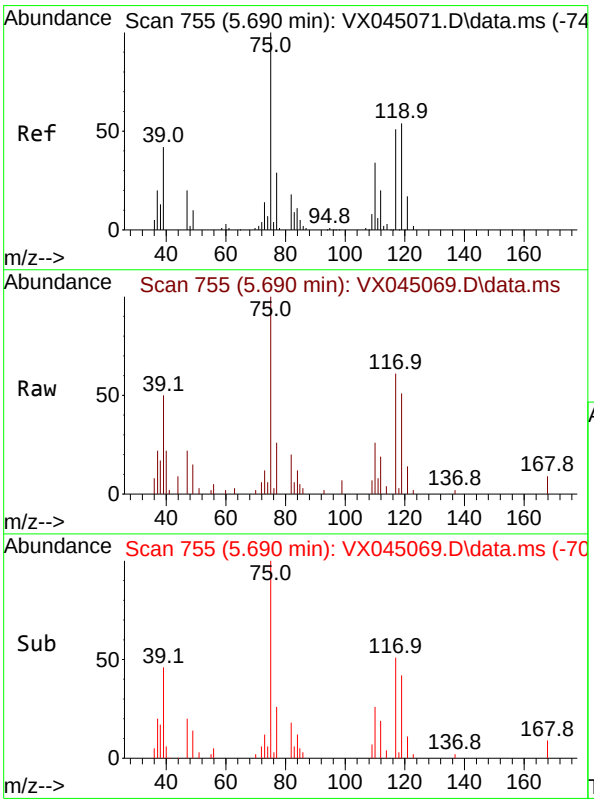
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

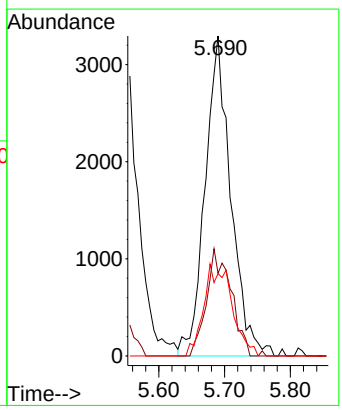
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

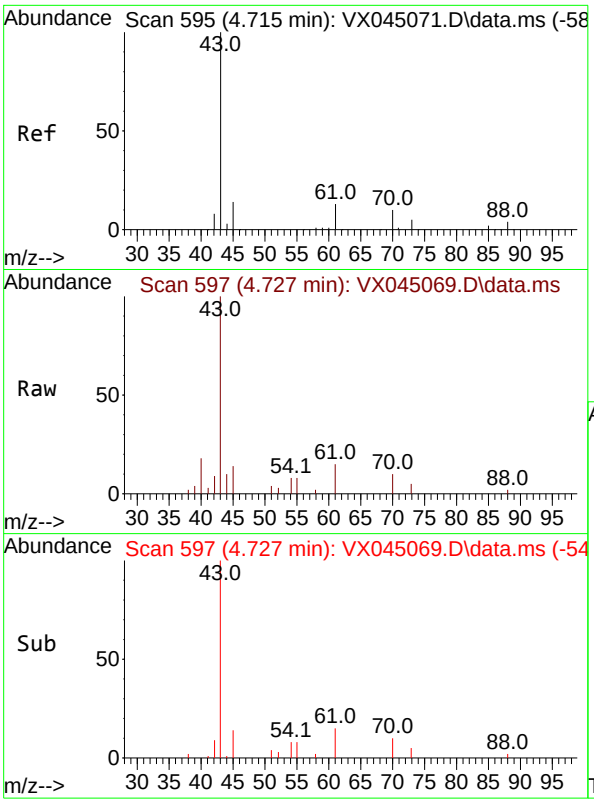


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#

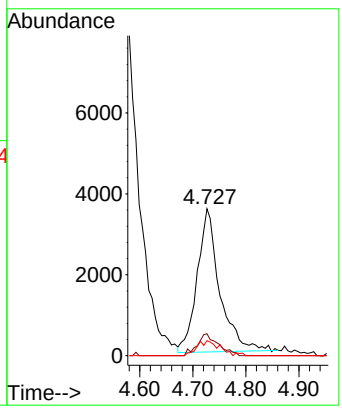




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

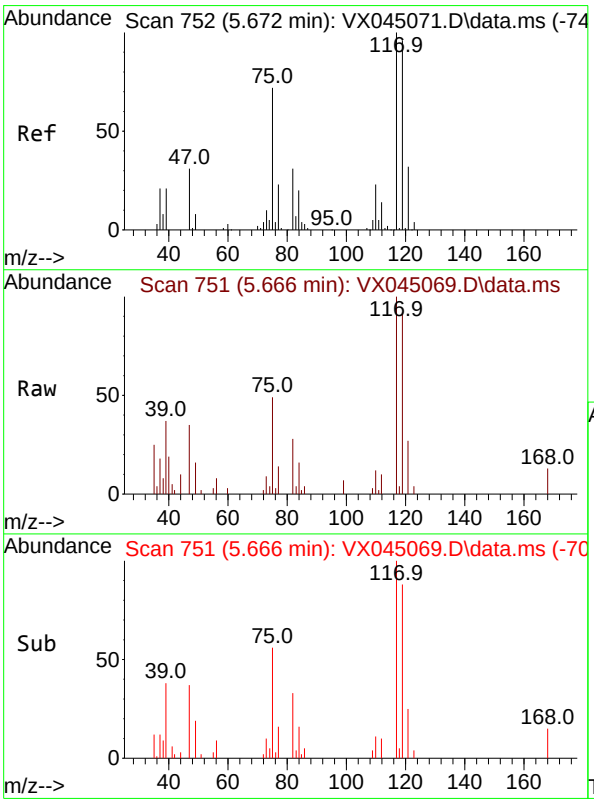
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

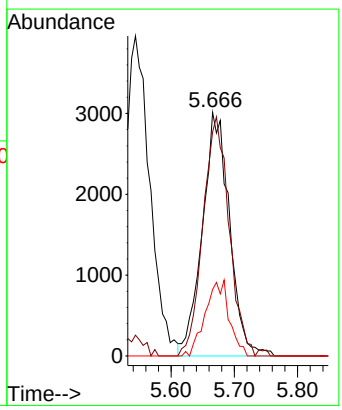
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

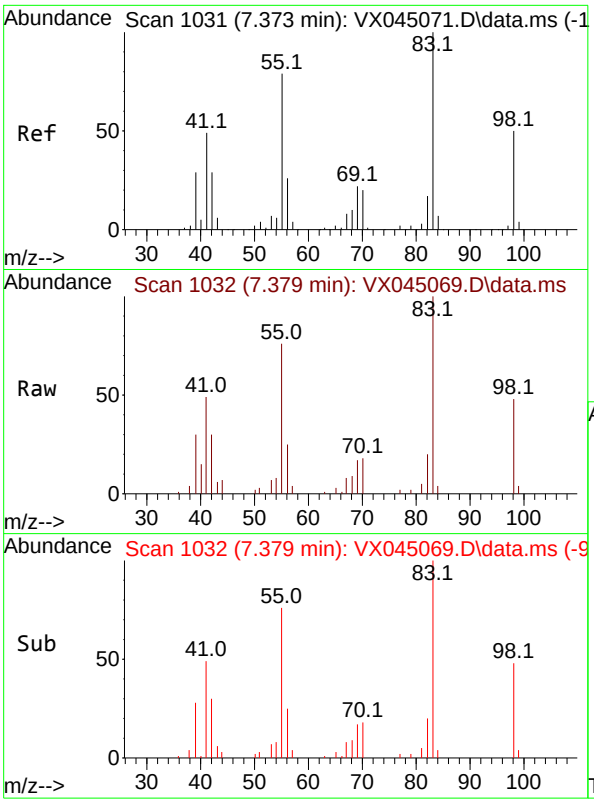


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3

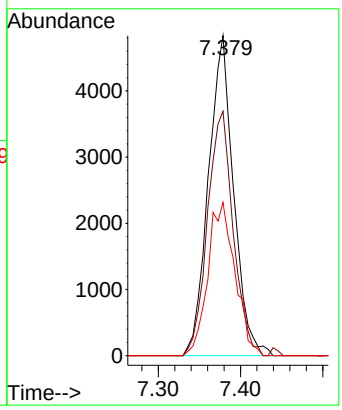




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

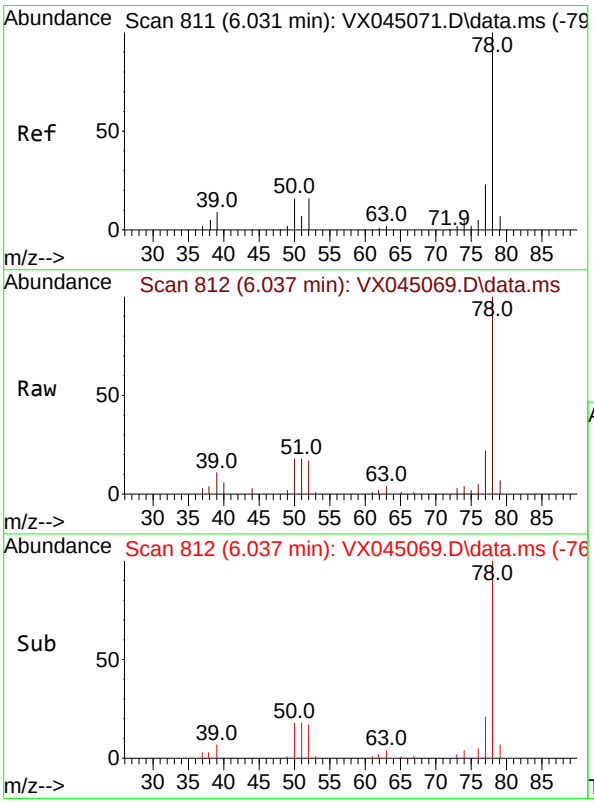
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

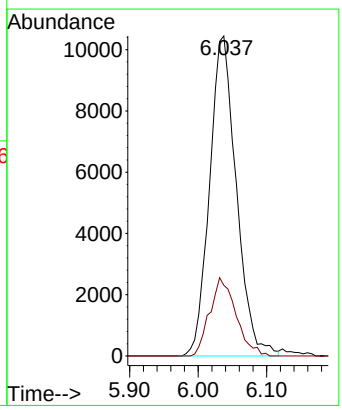
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

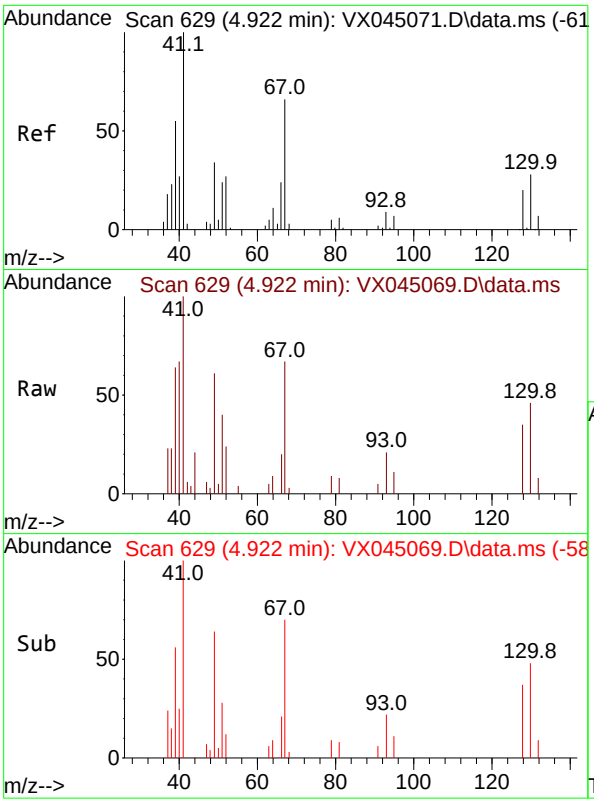


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

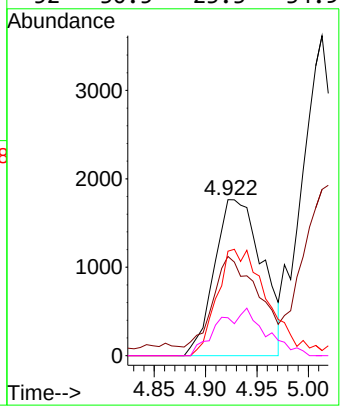




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

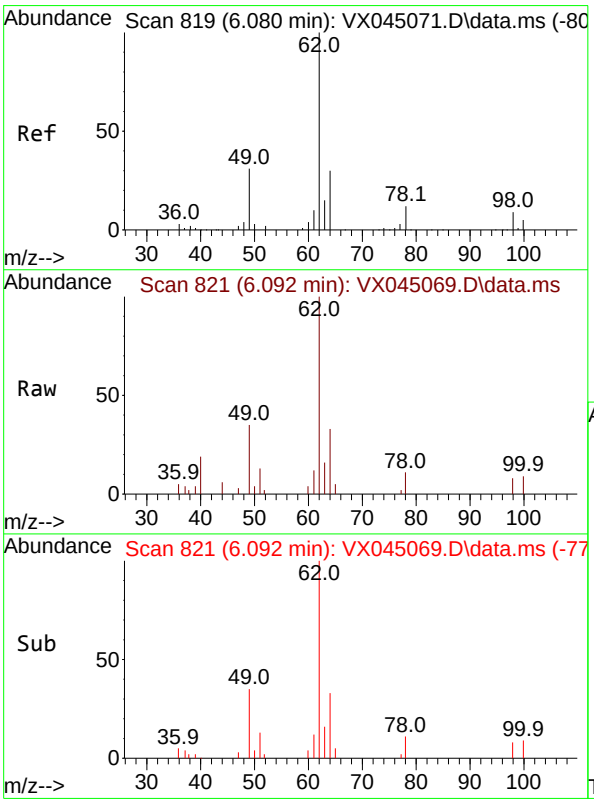
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

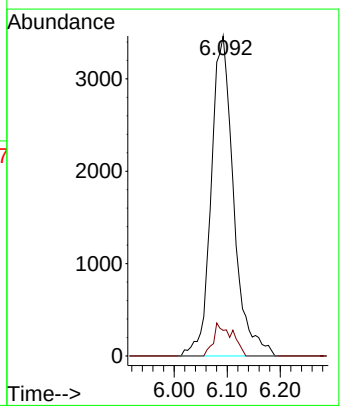
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

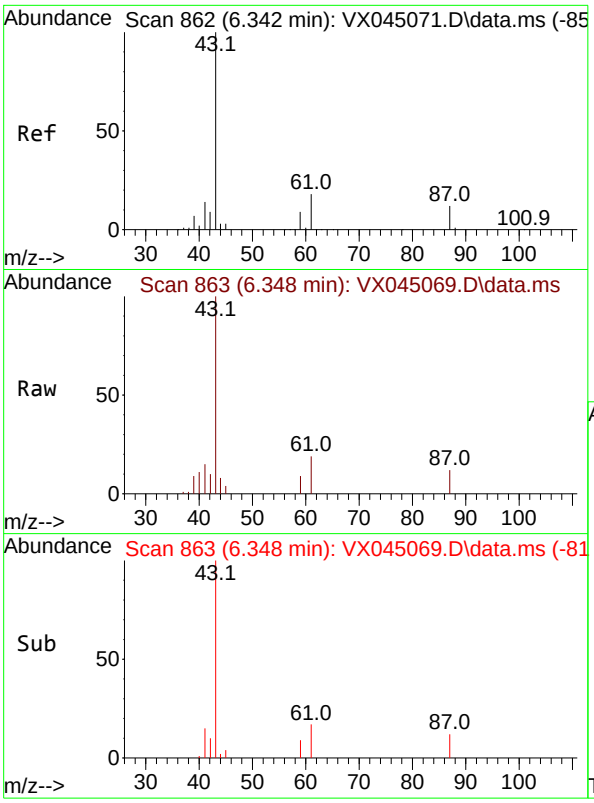


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

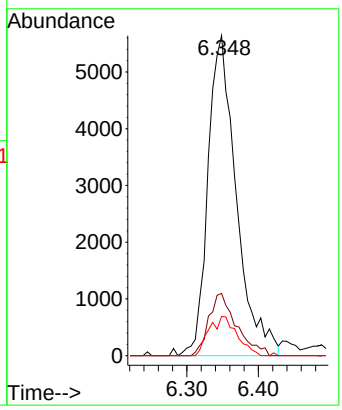




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

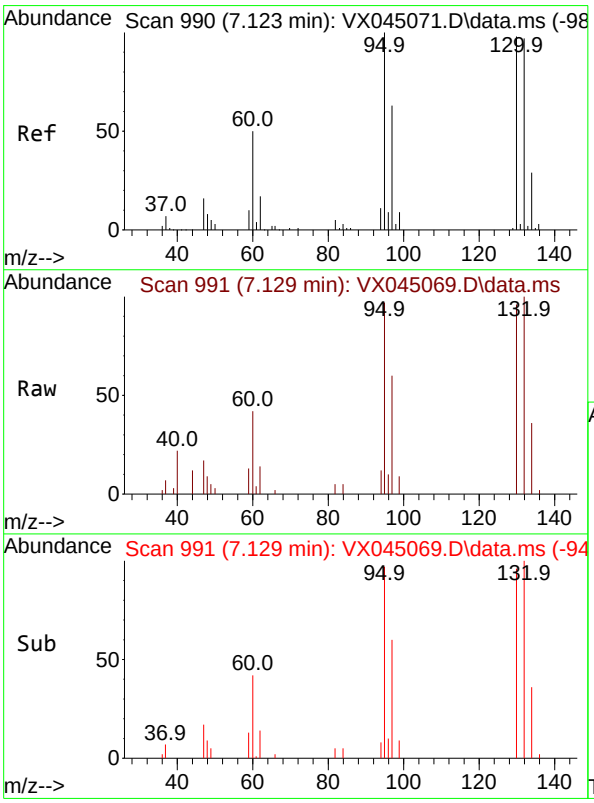
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

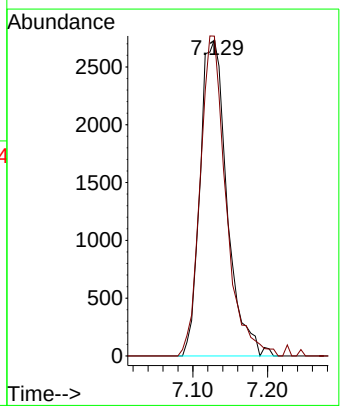
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

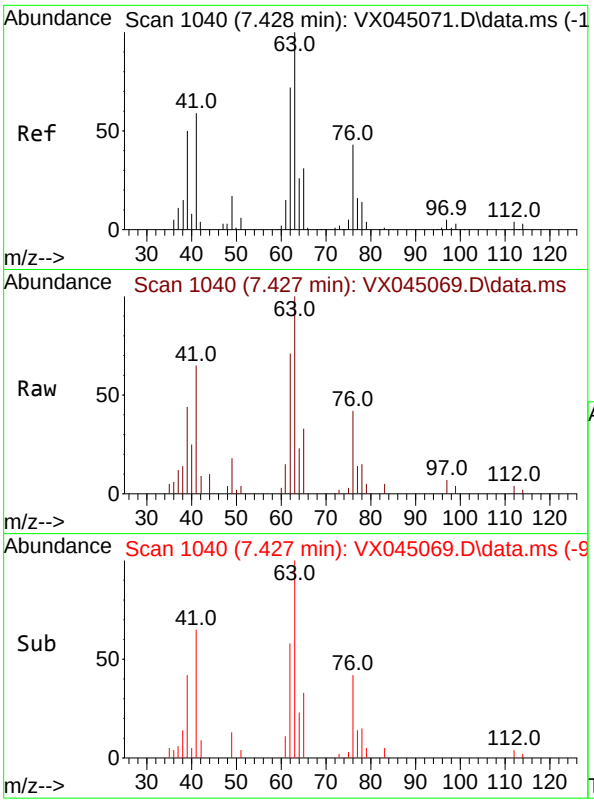


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0

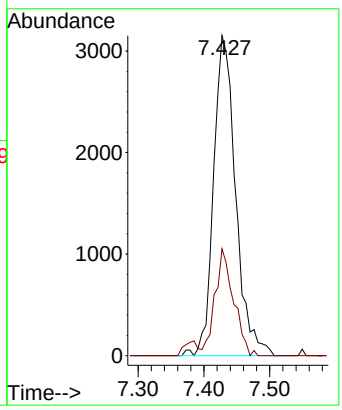




#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 734

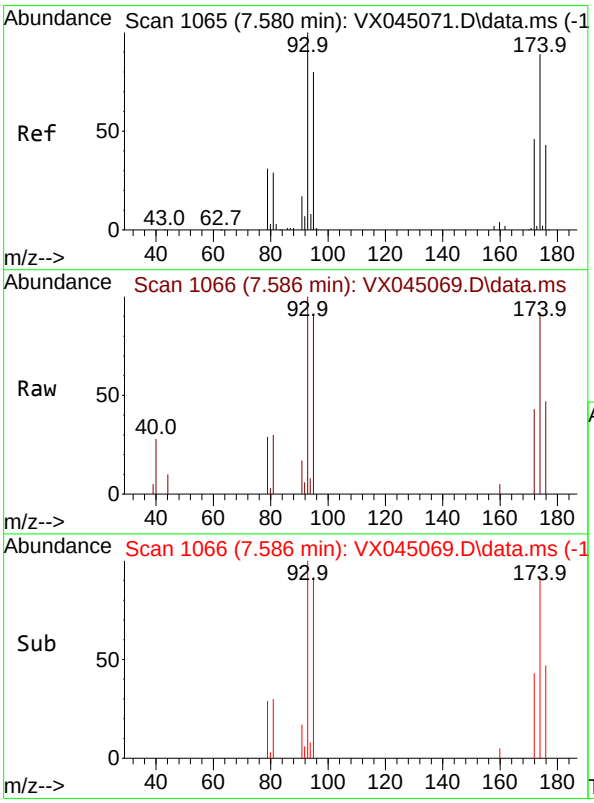
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

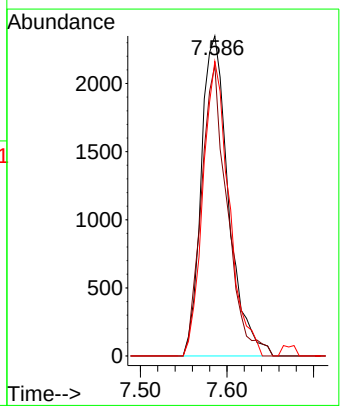
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

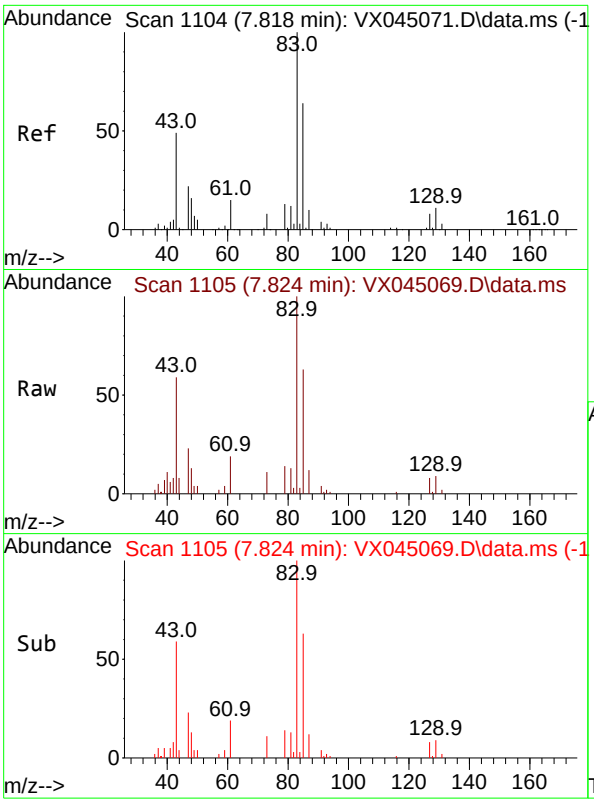


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2

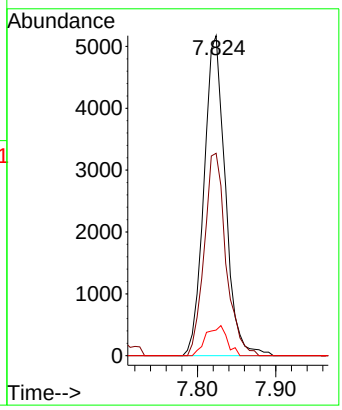




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 977

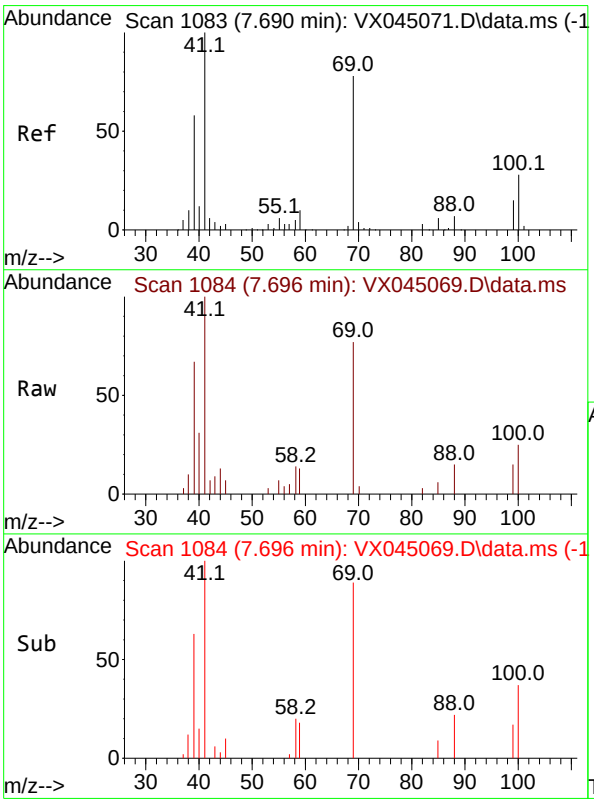
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

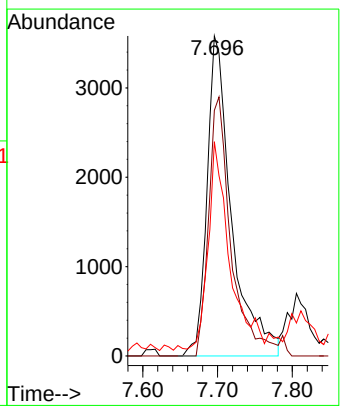
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

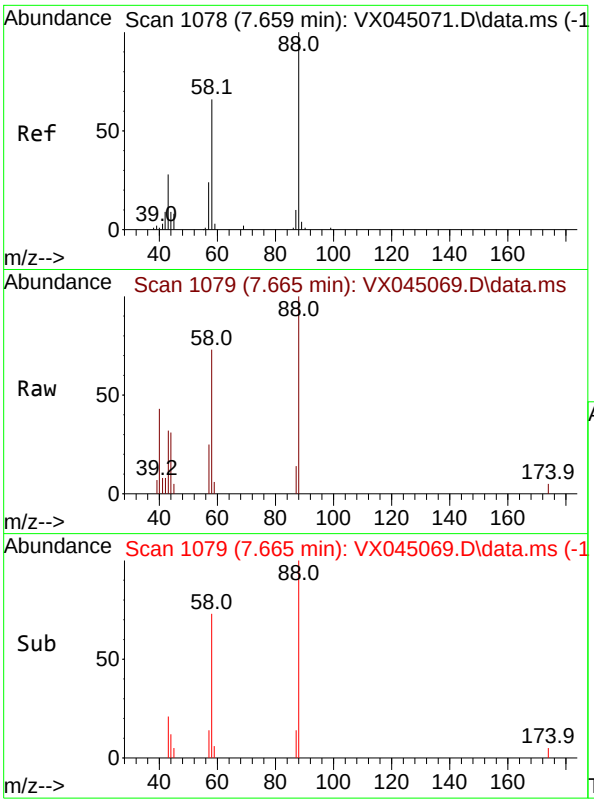


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3

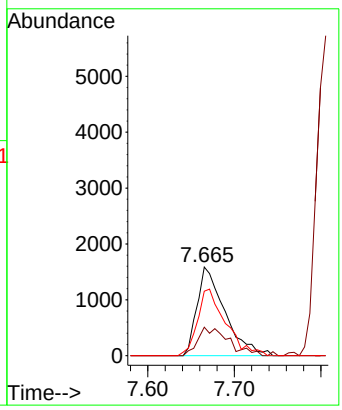




#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 88 Resp: 353

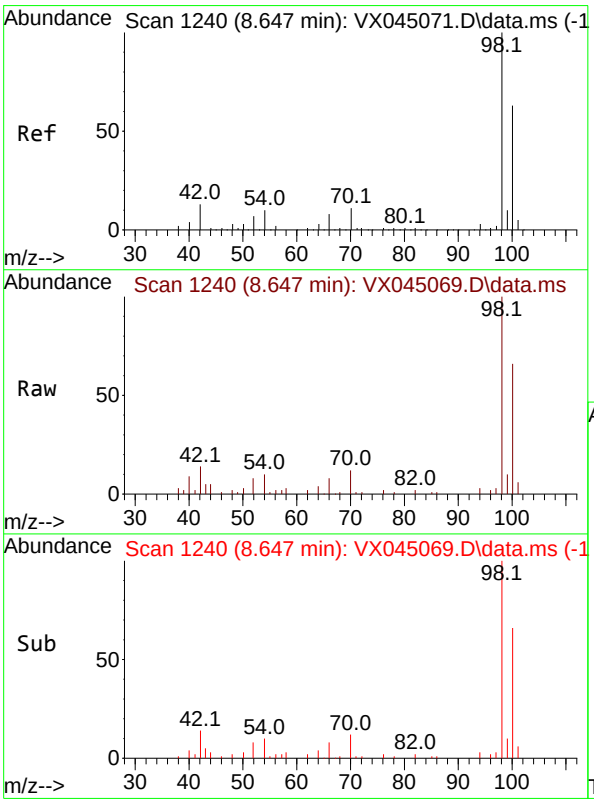
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

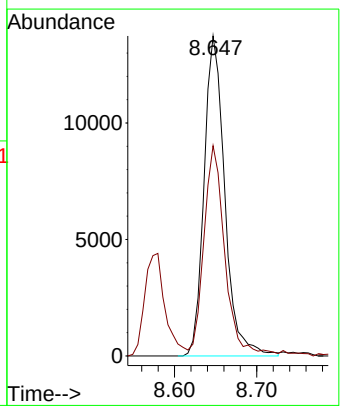
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

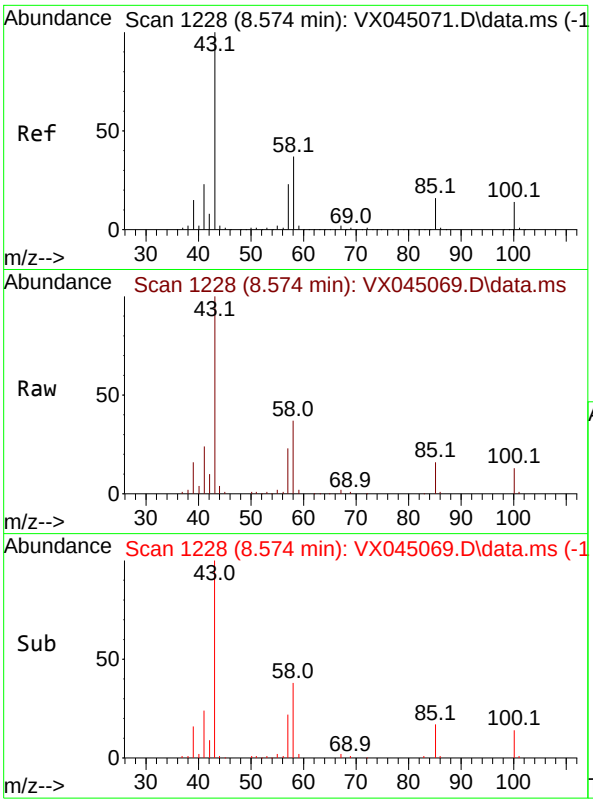


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

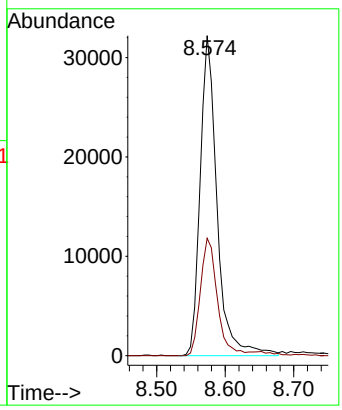
Tgt Ion: 43 Resp: 5532

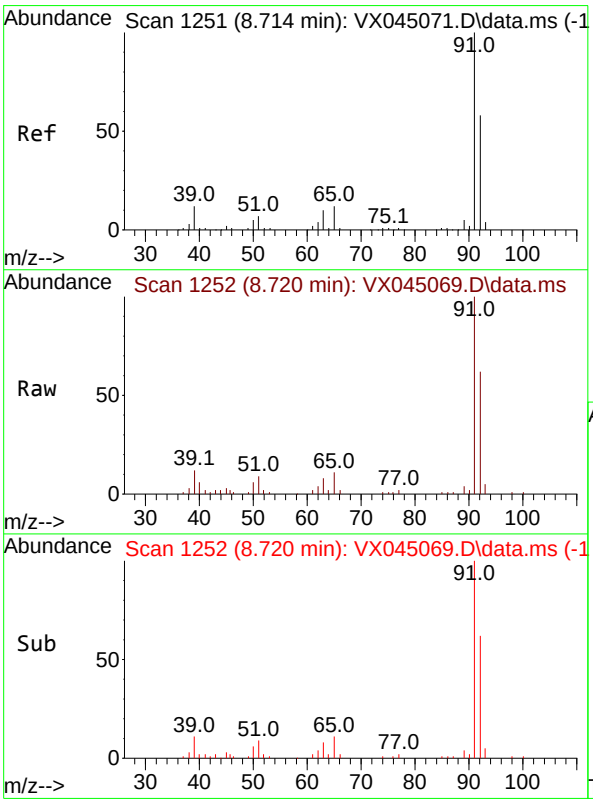
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

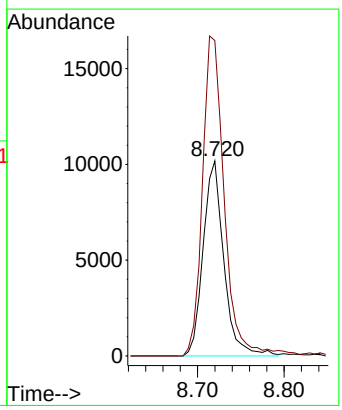


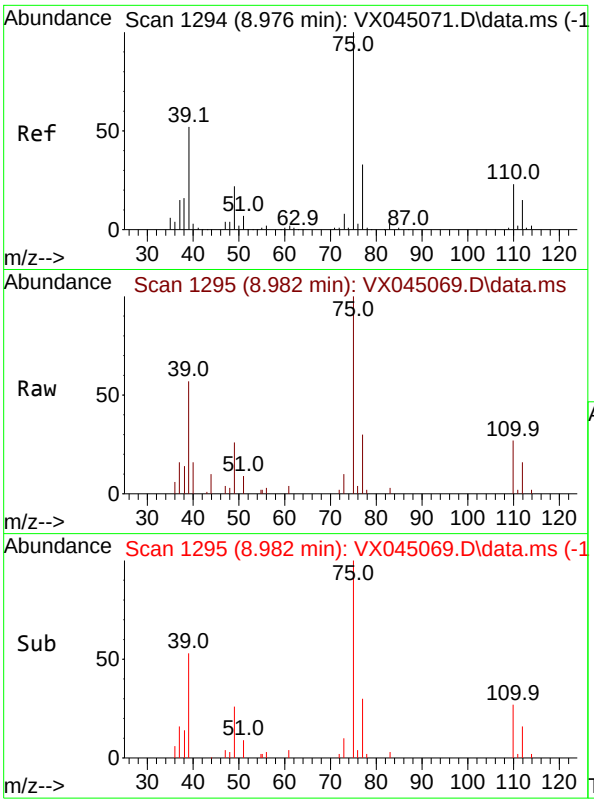


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

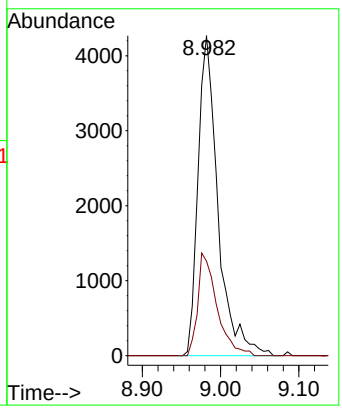




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

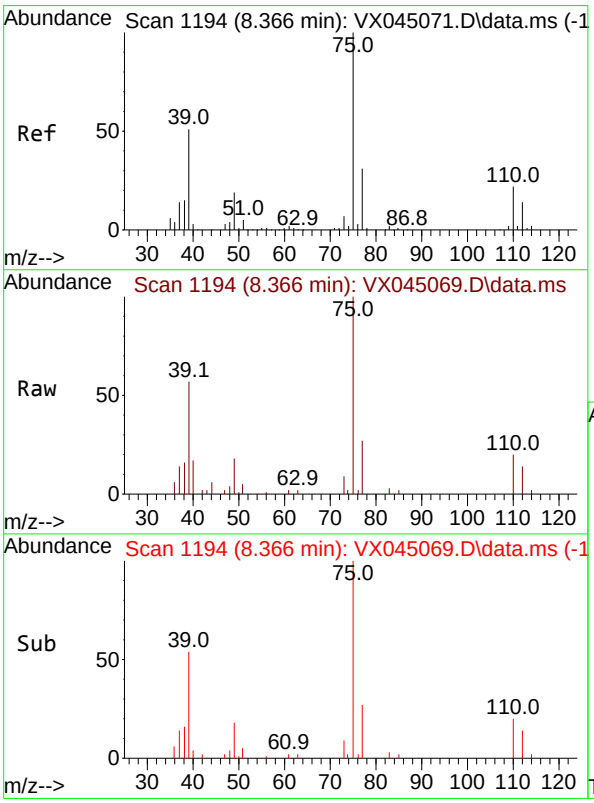
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

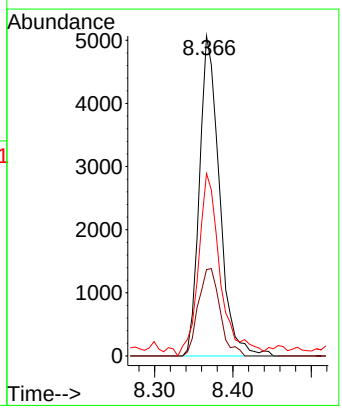
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

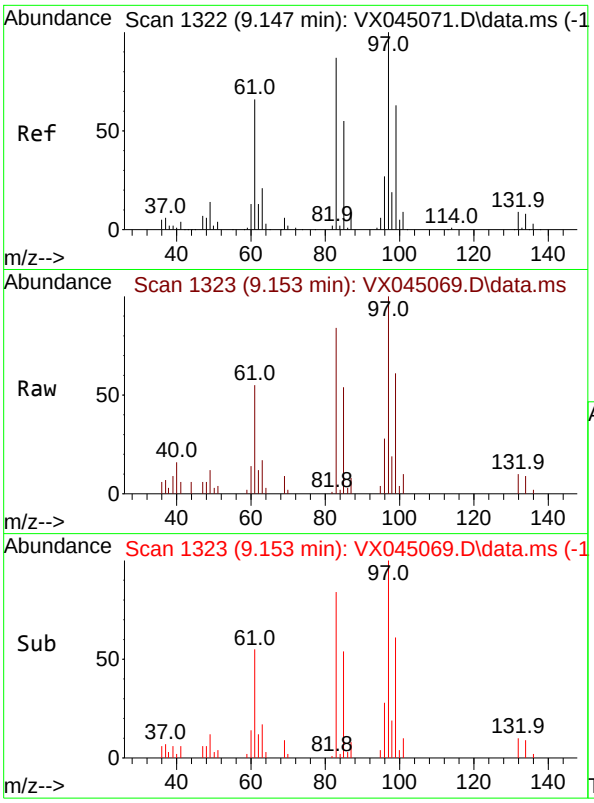


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1

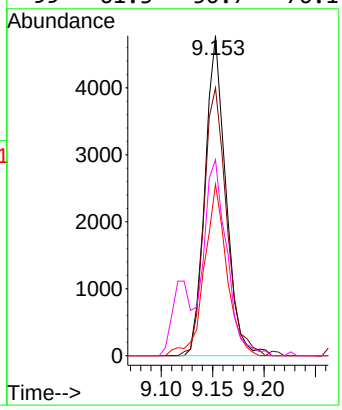




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

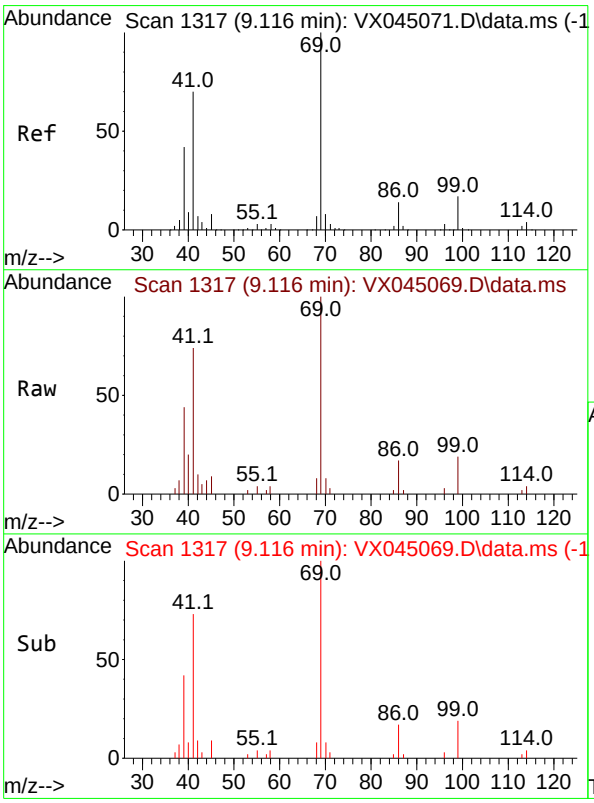
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

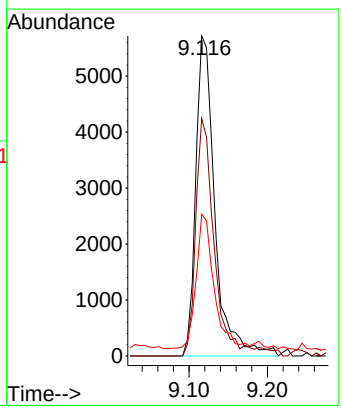
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

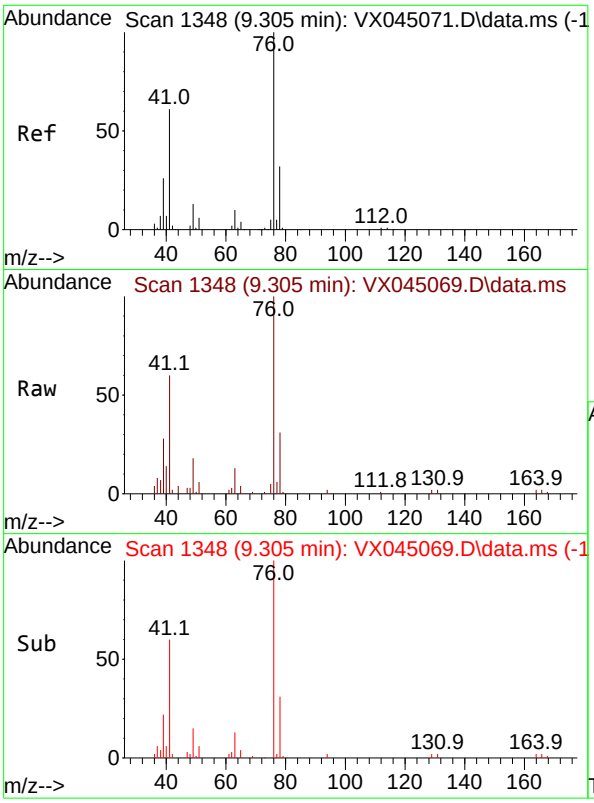


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4

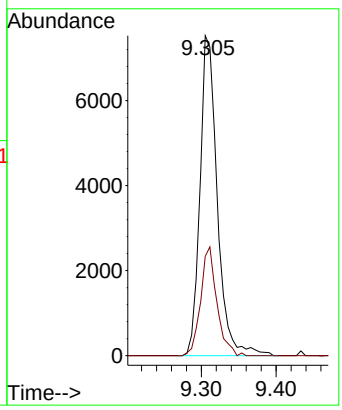




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

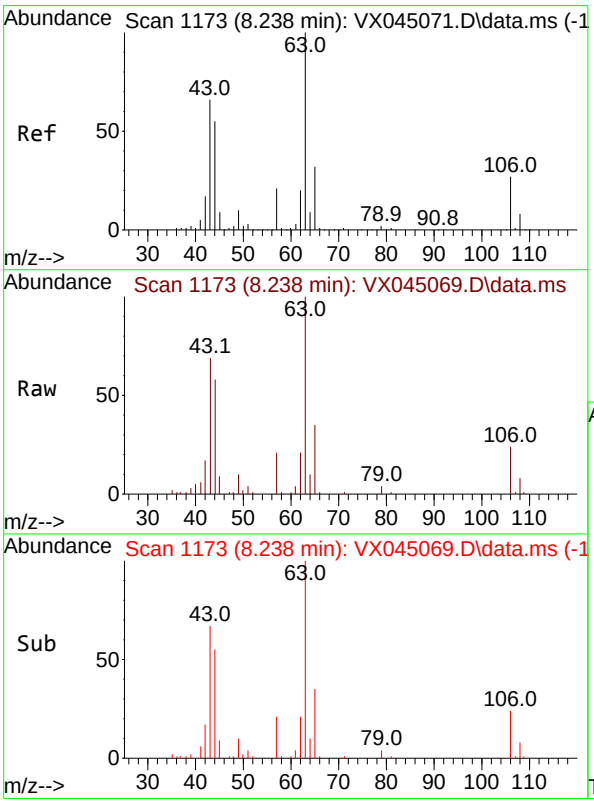
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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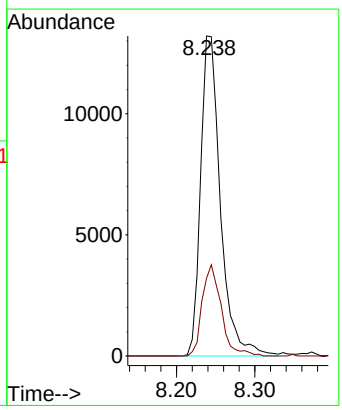
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

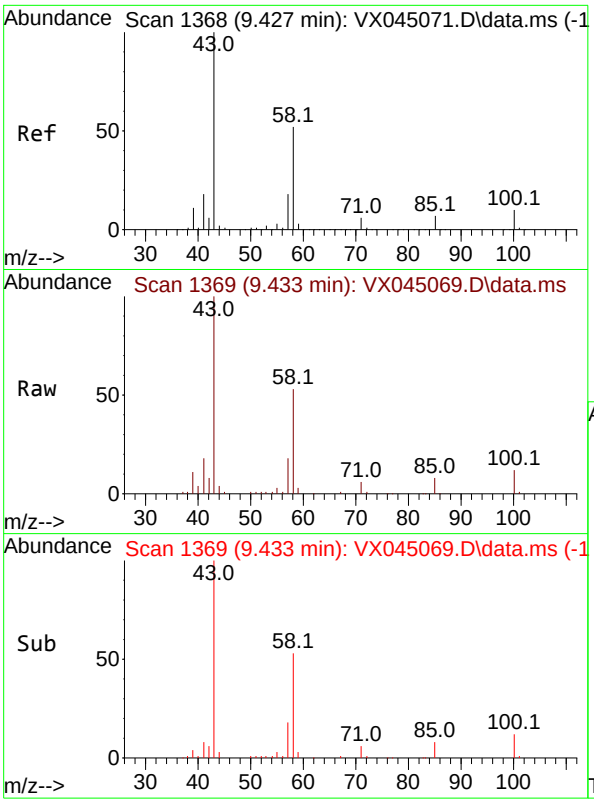


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

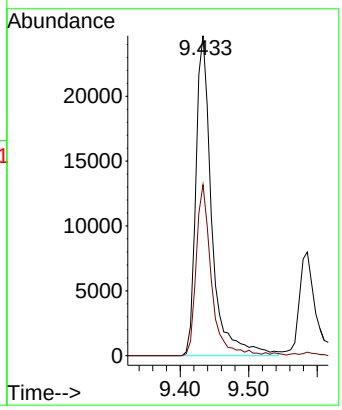
Tgt Ion: 43 Resp: 3999

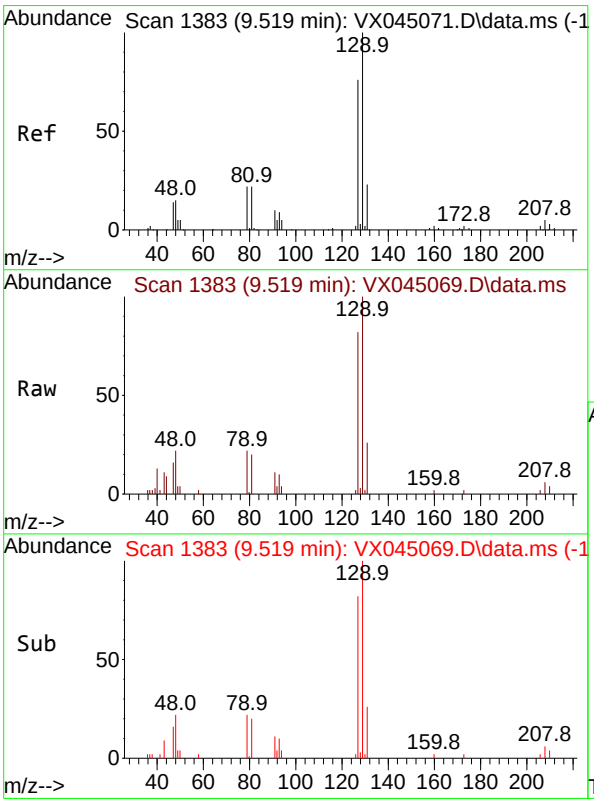
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

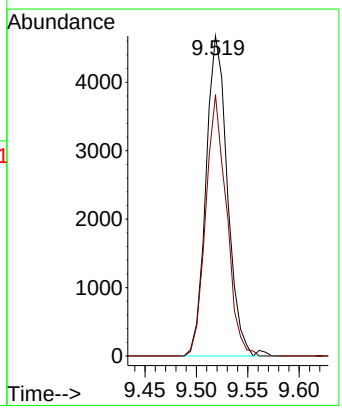


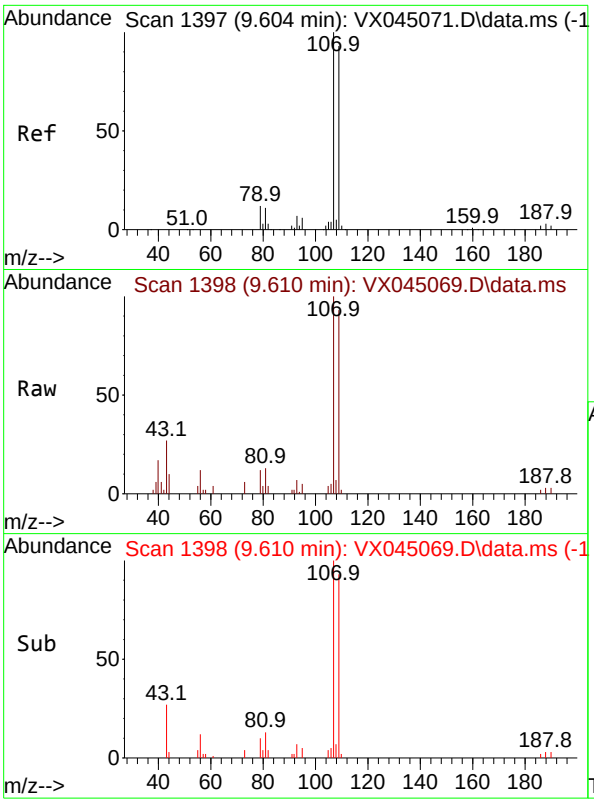


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5

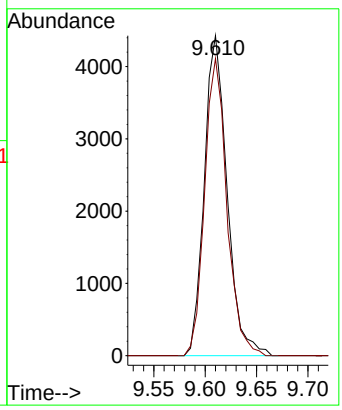




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

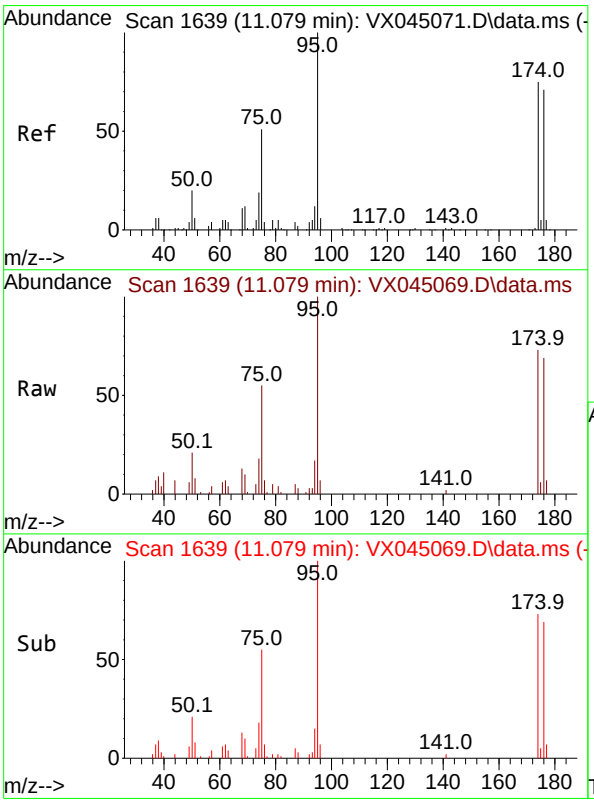
Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

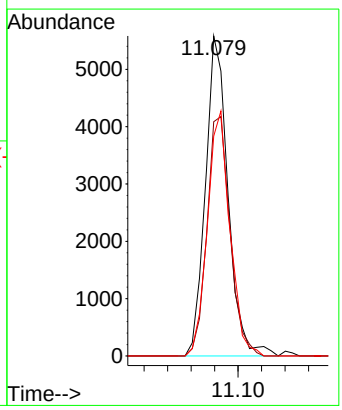
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

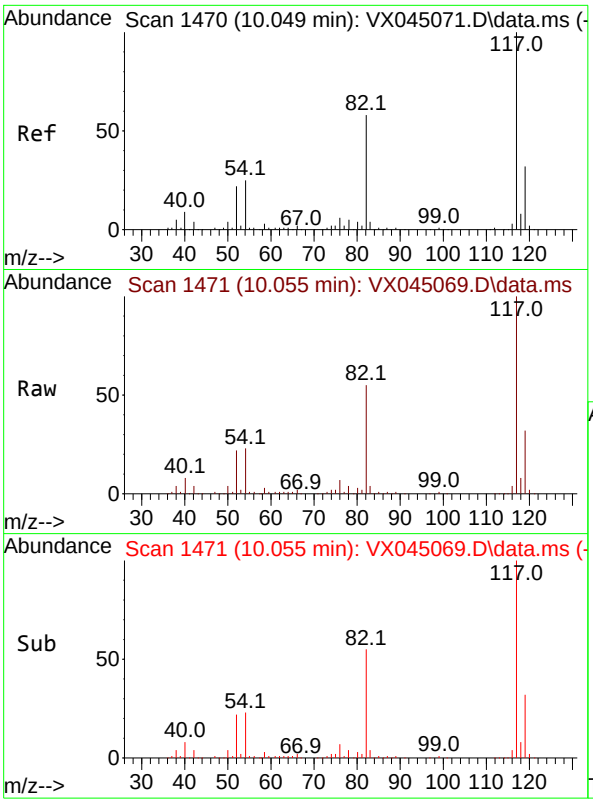


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4

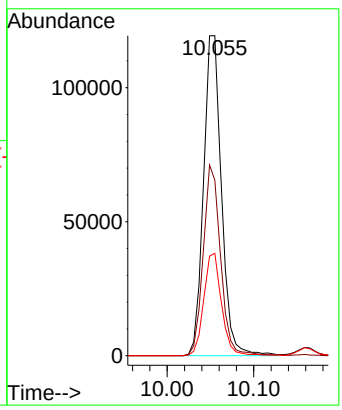




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

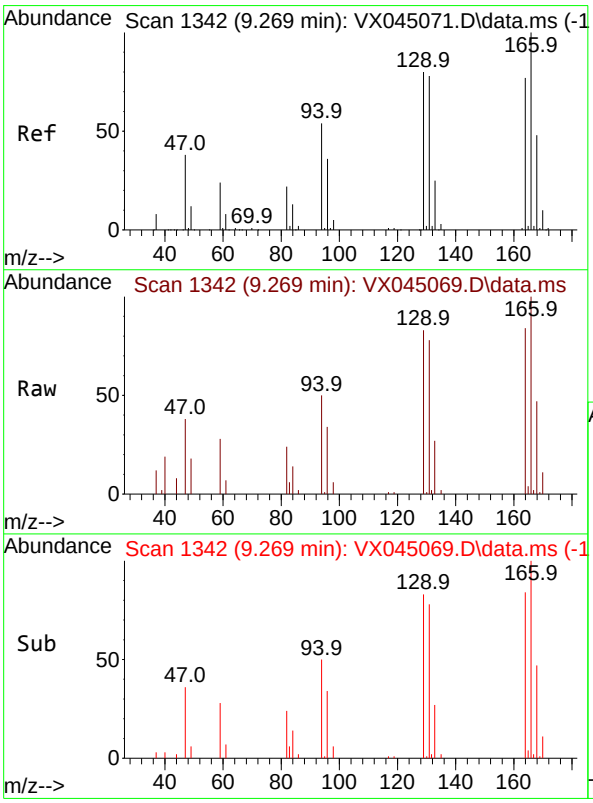
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

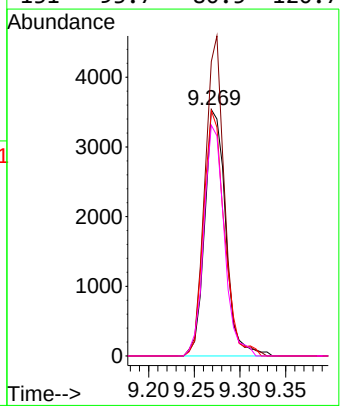
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

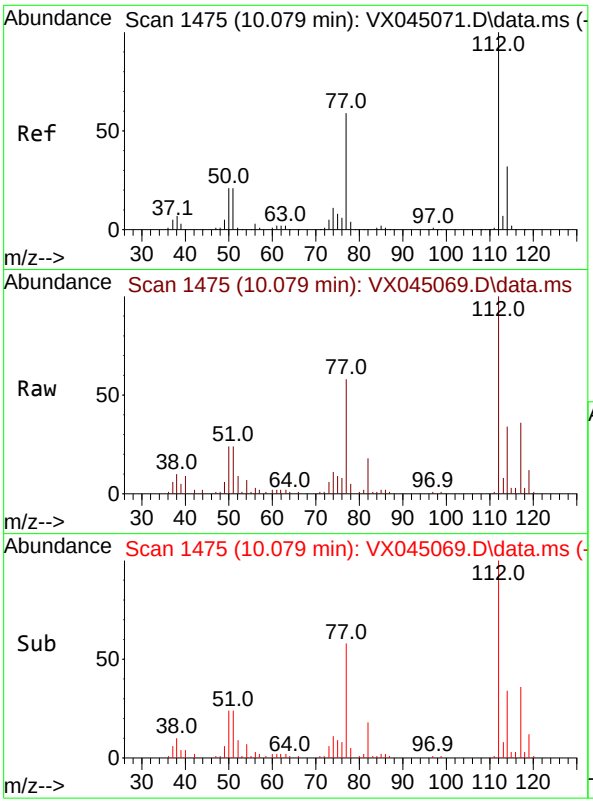


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7

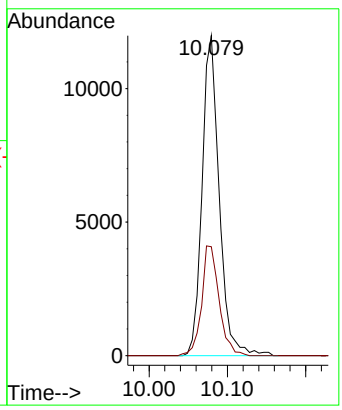




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

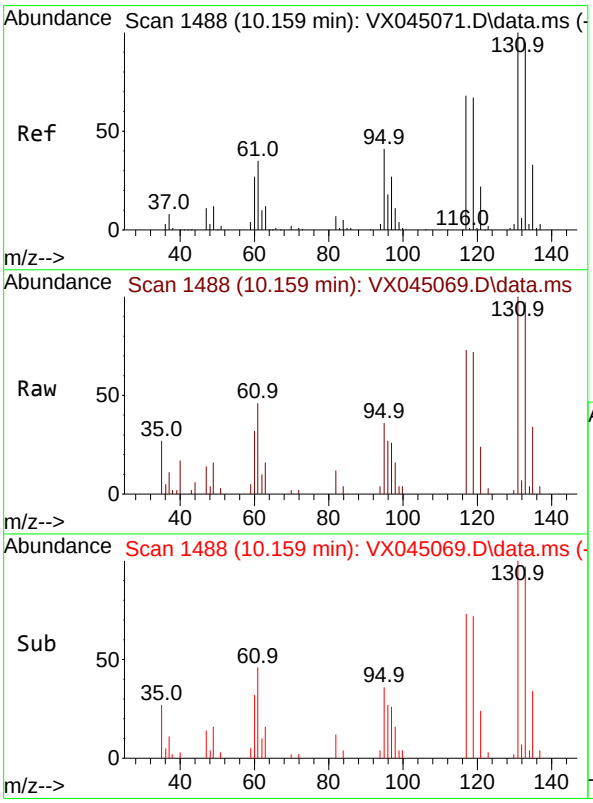
Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

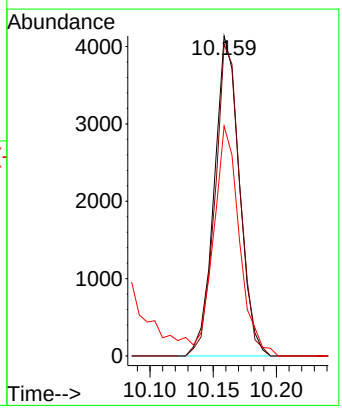
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

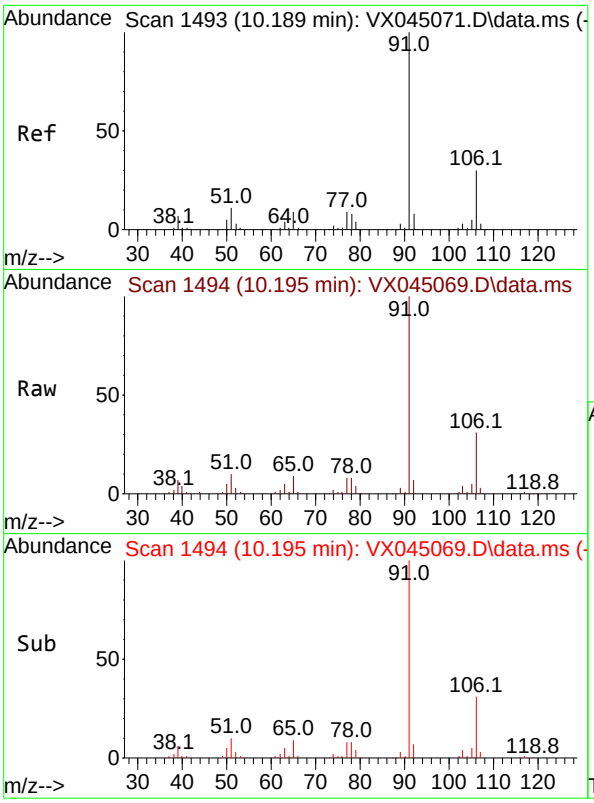


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7

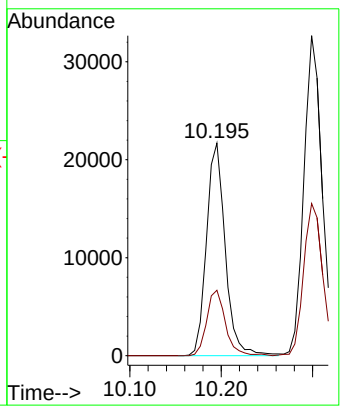




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

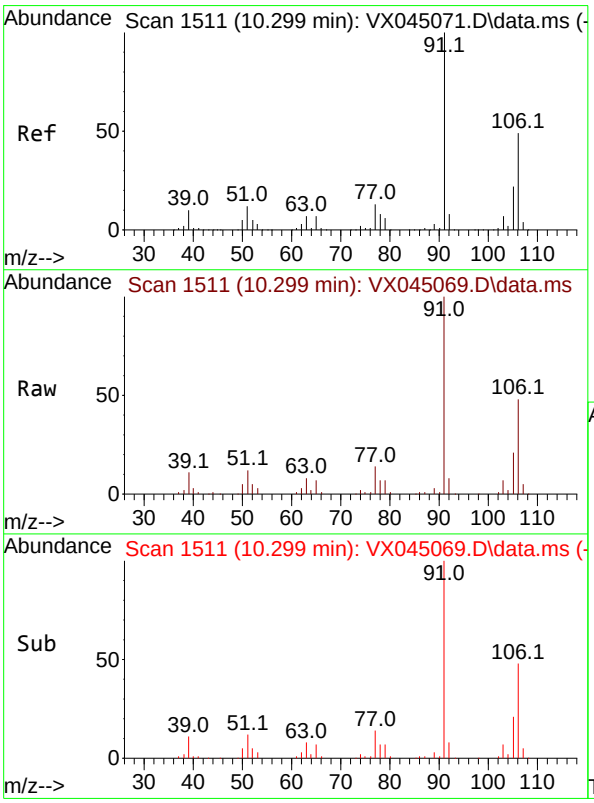
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

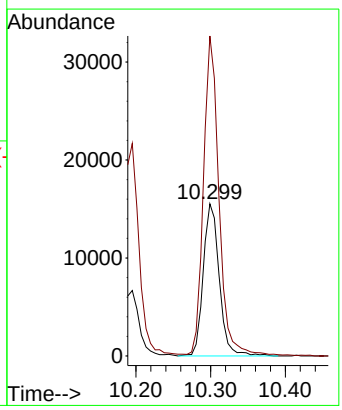
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

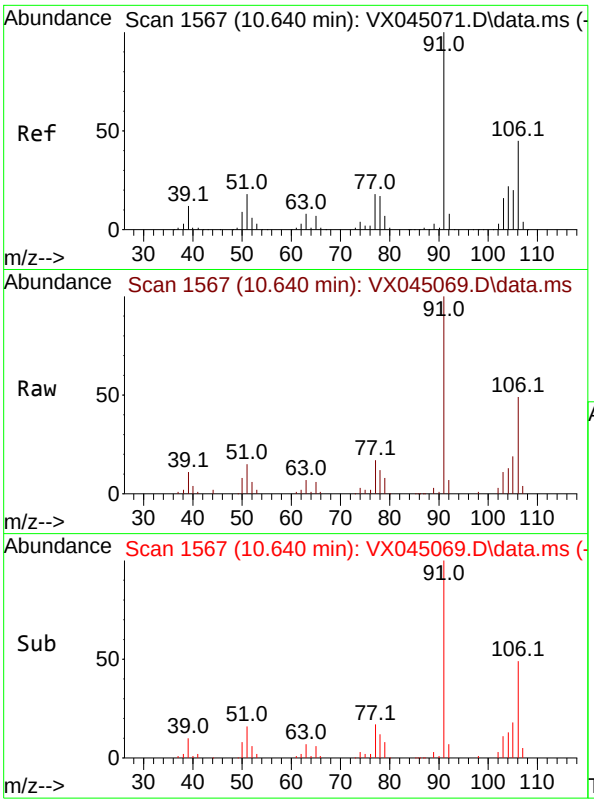


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

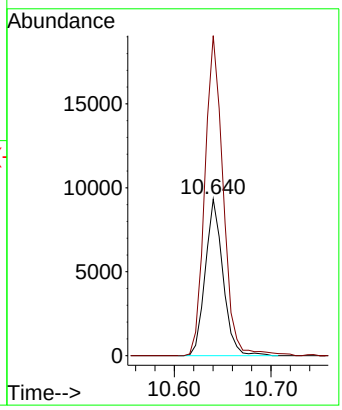




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

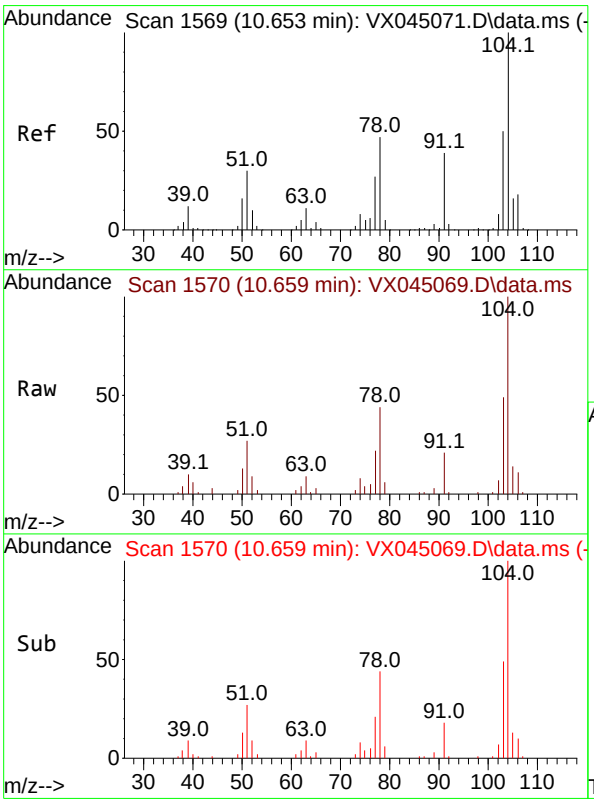
Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

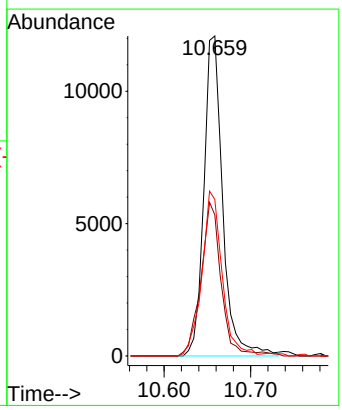
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

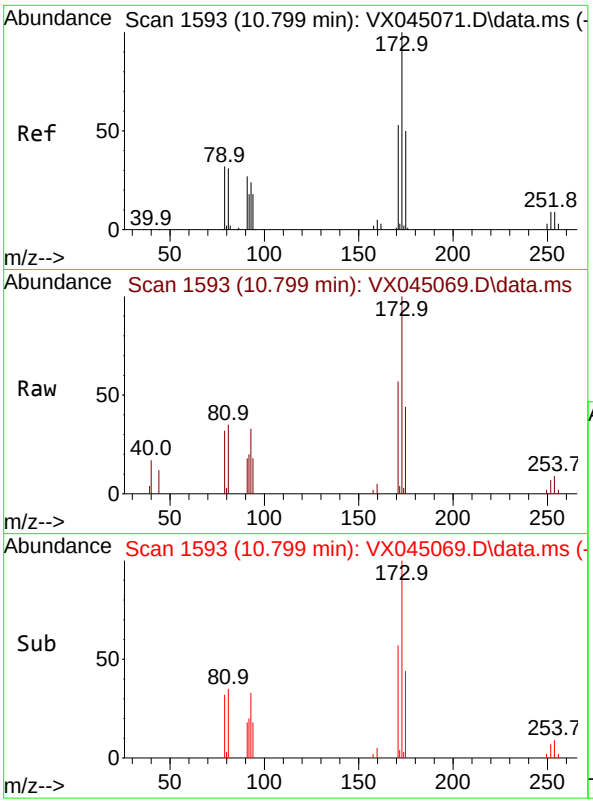


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8

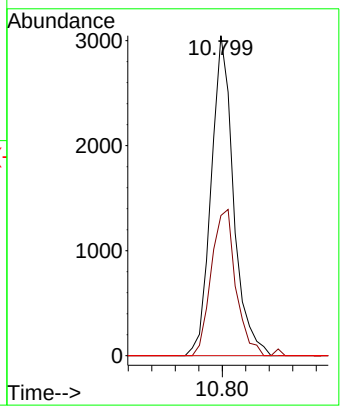




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

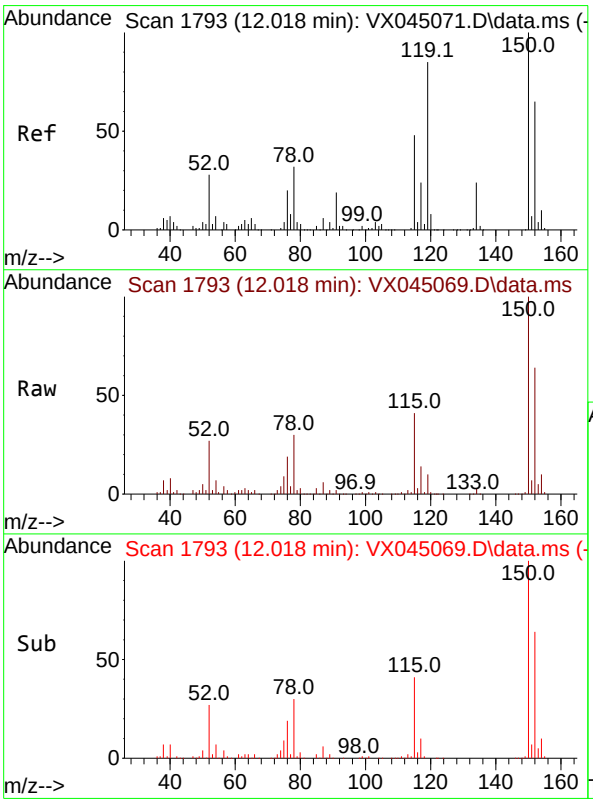
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

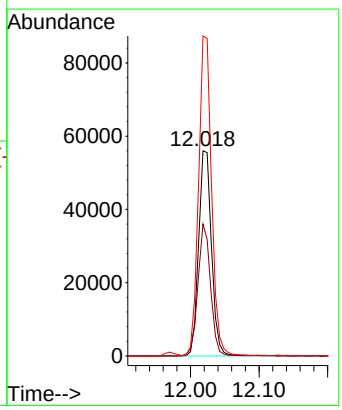
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

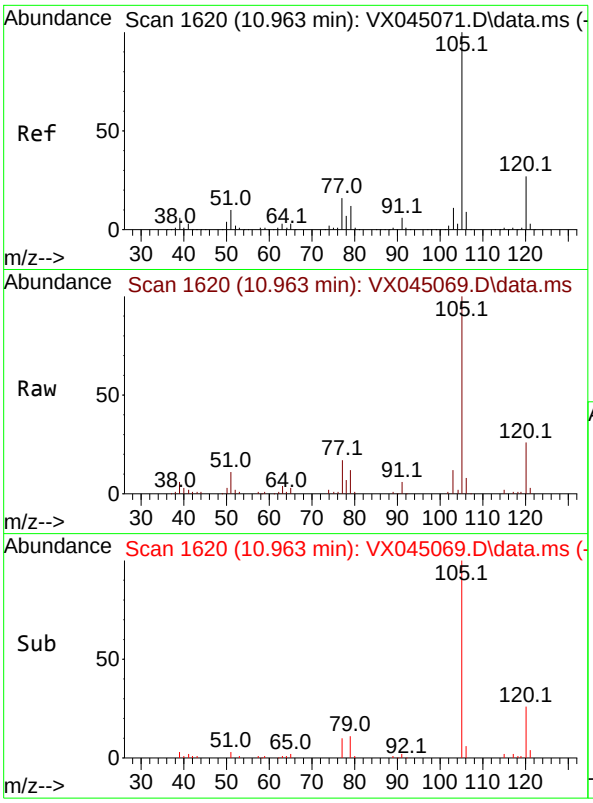


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0

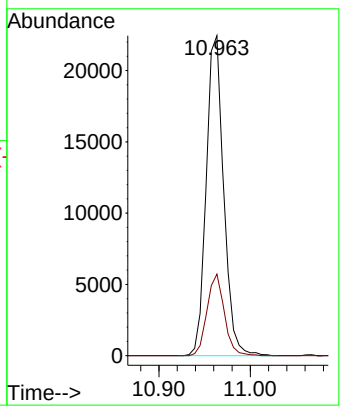




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

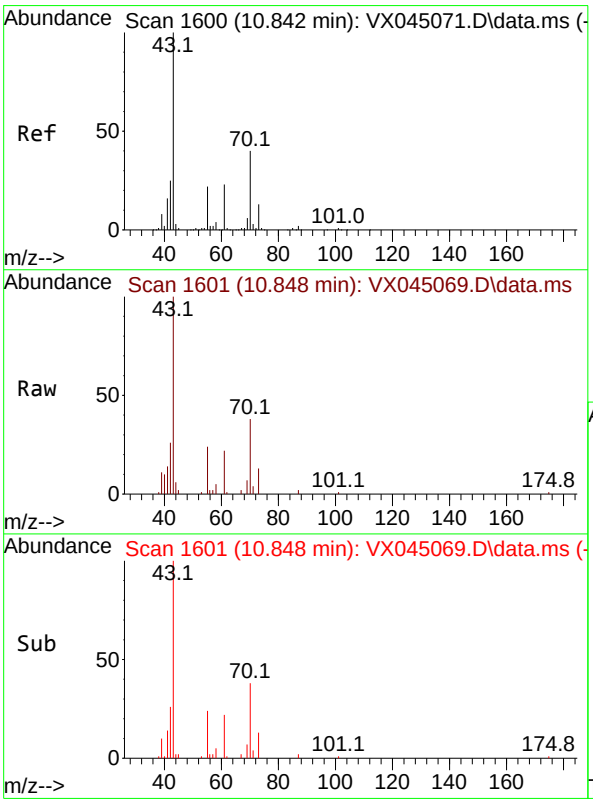
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

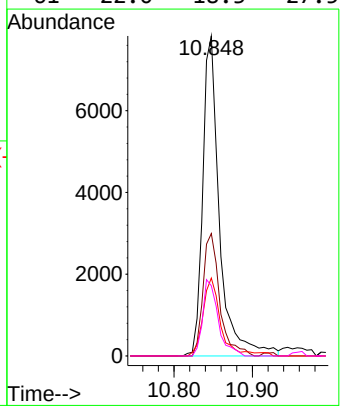
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

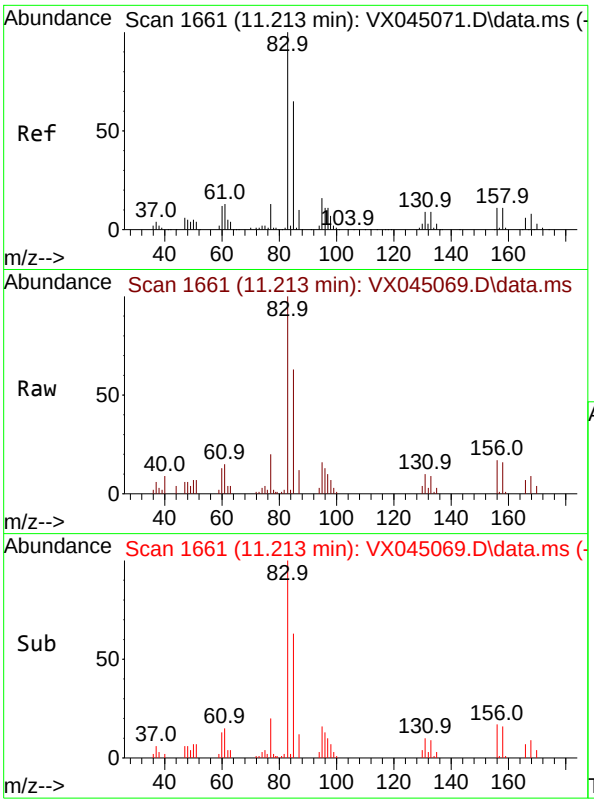


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5

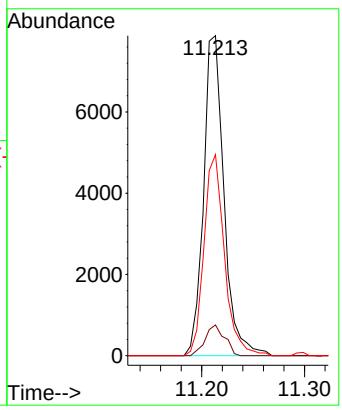




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

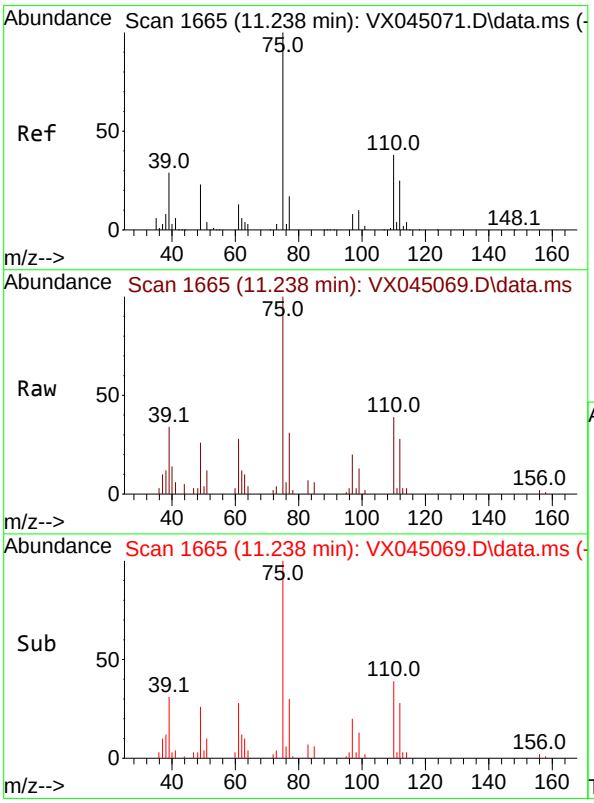
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

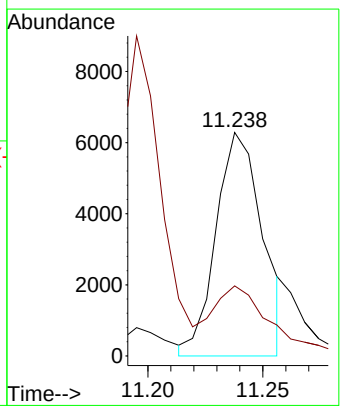
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

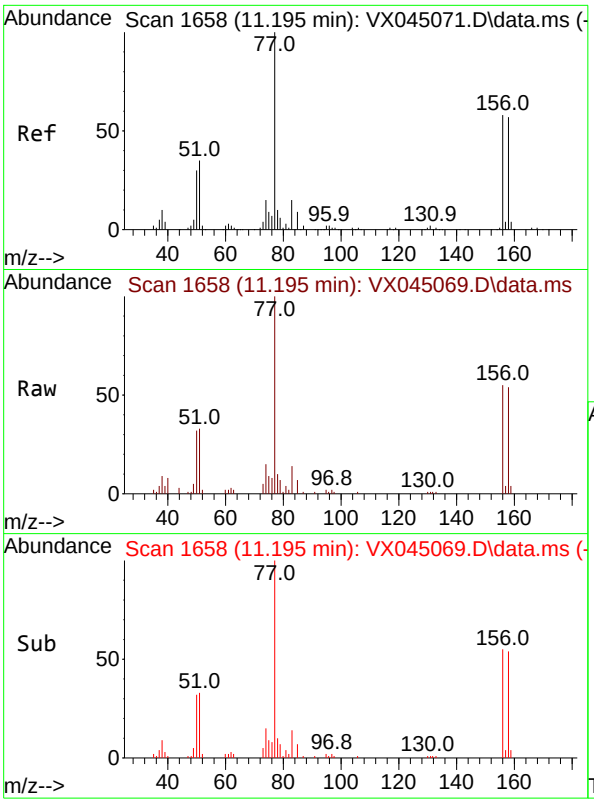


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

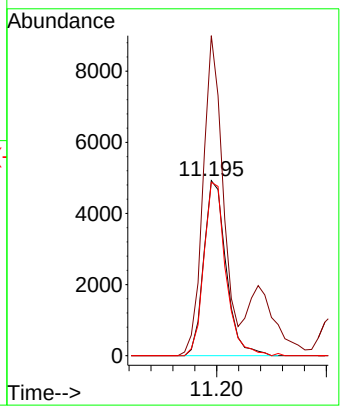




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697

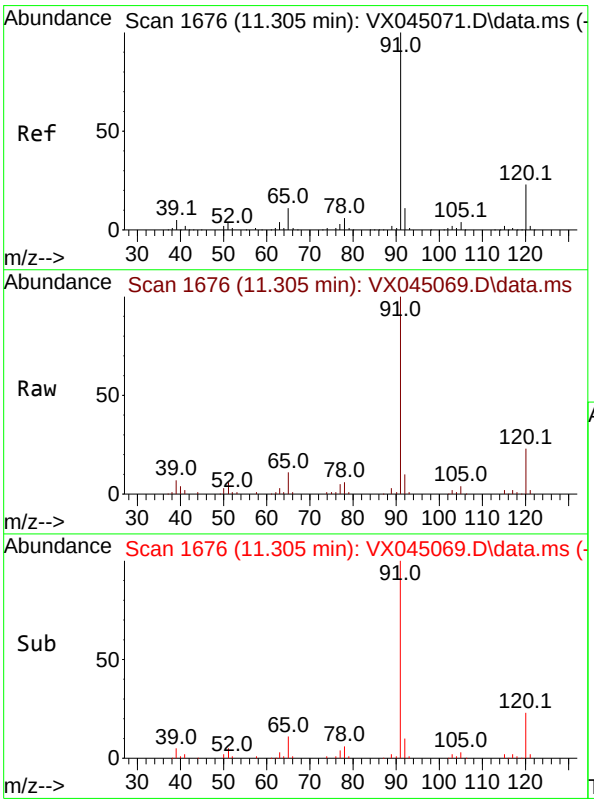
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

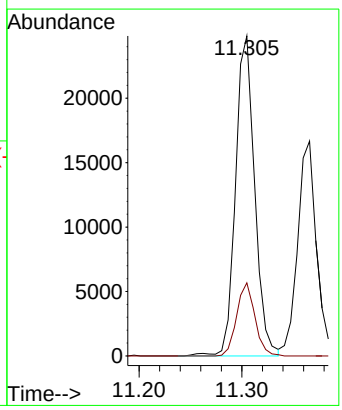
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

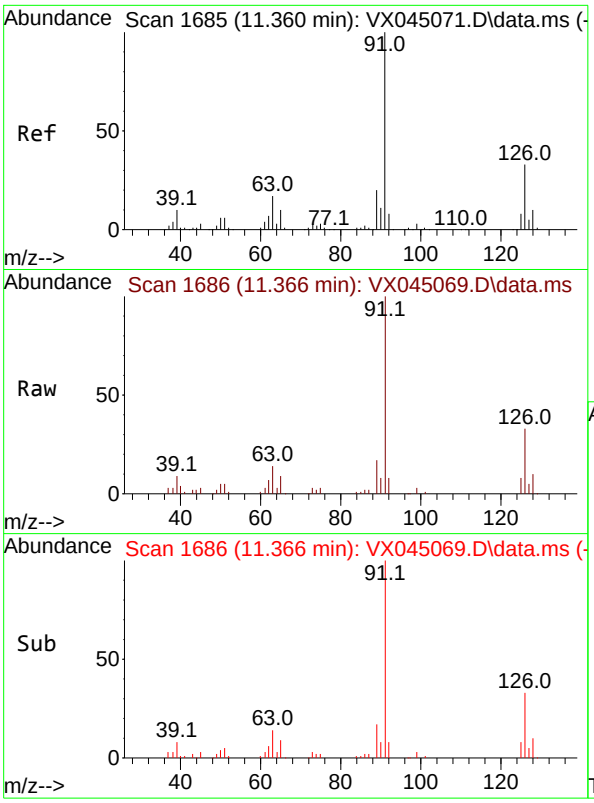


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

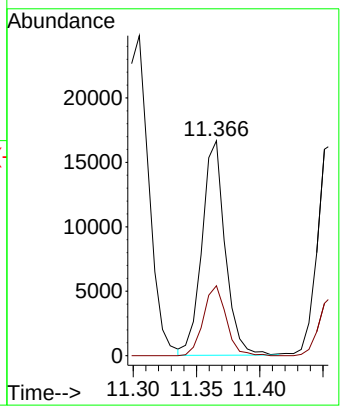




#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

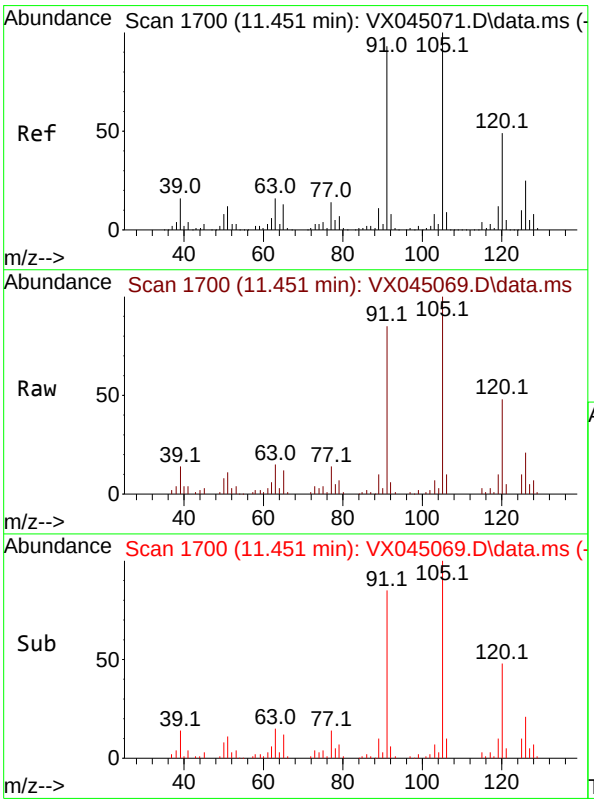
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

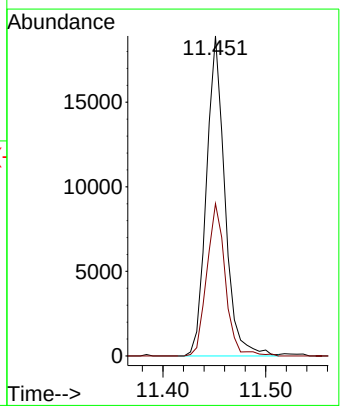
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

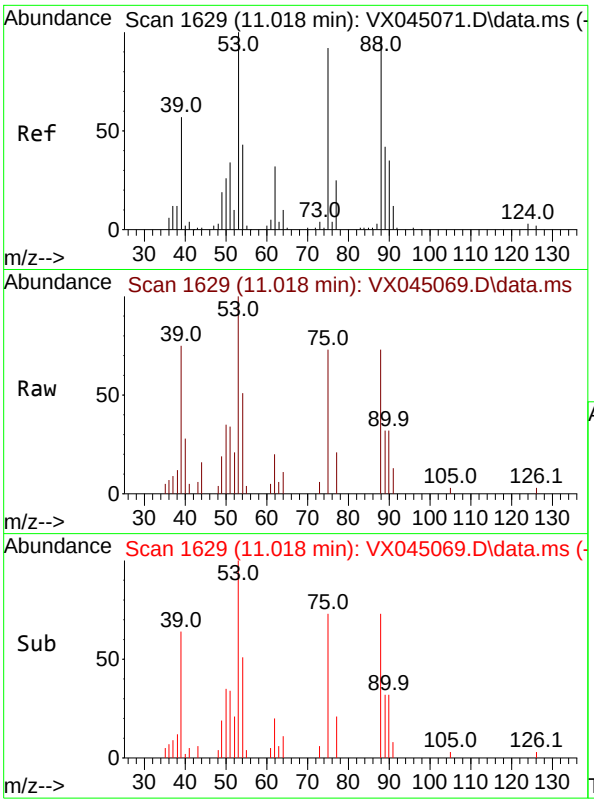


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

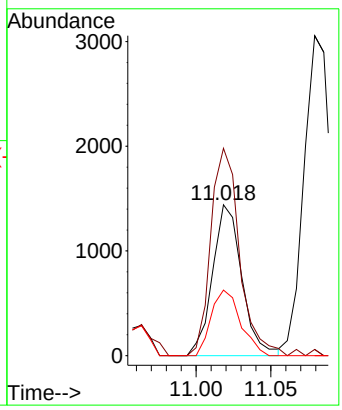
Tgt Ion: 75 Resp: 197

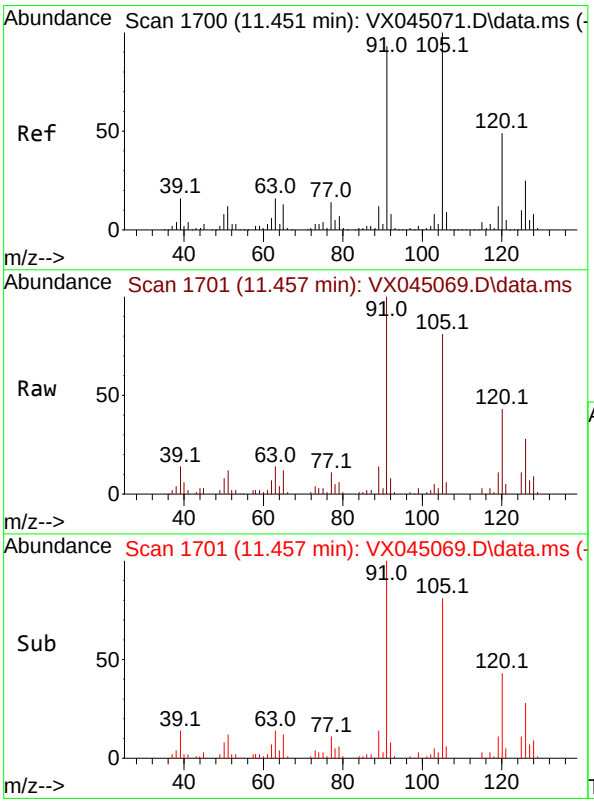
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

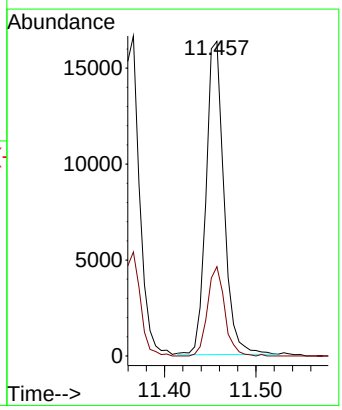


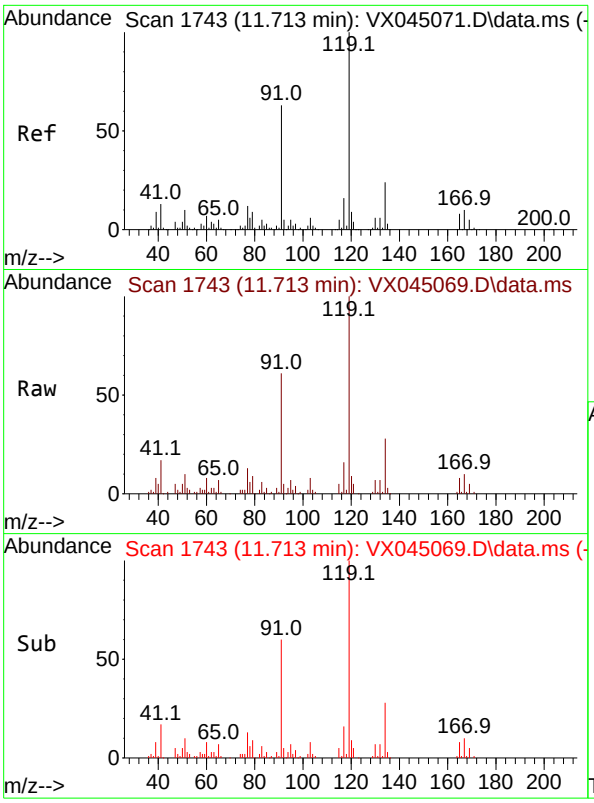


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

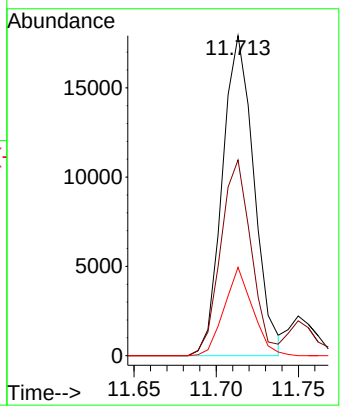




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

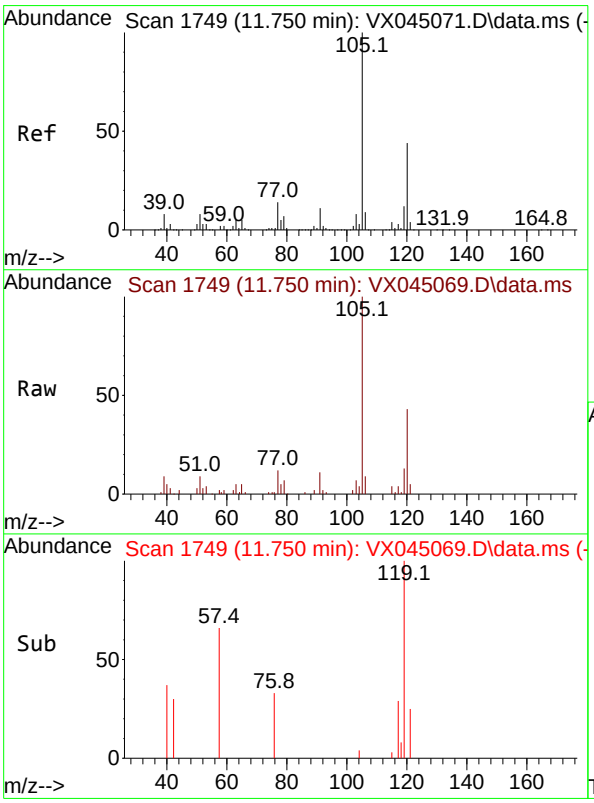
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

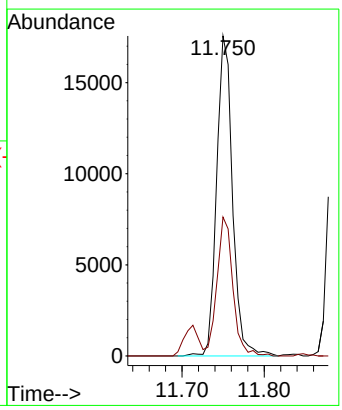
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

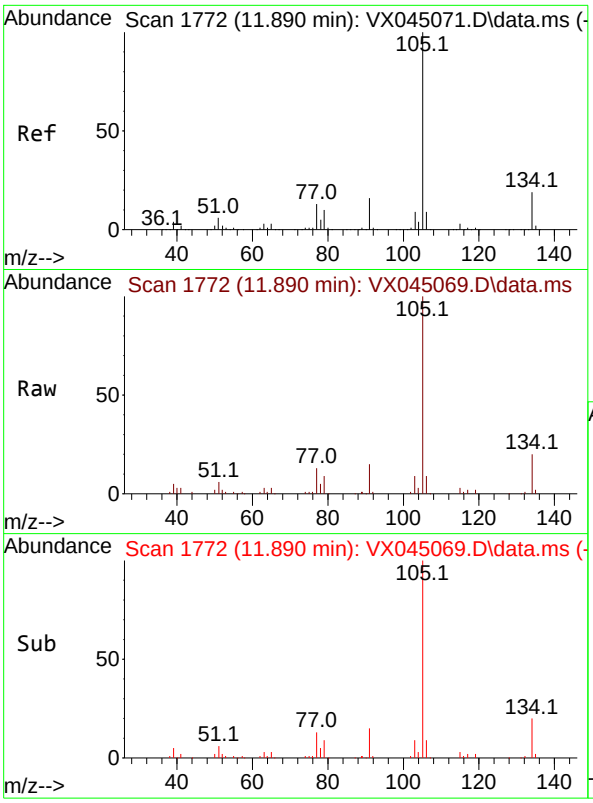


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

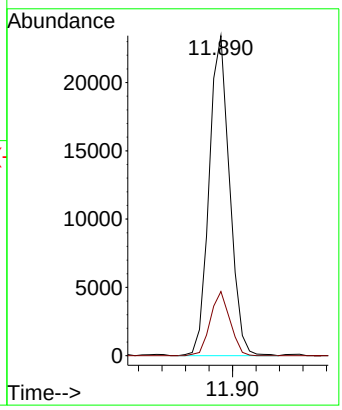




#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2831

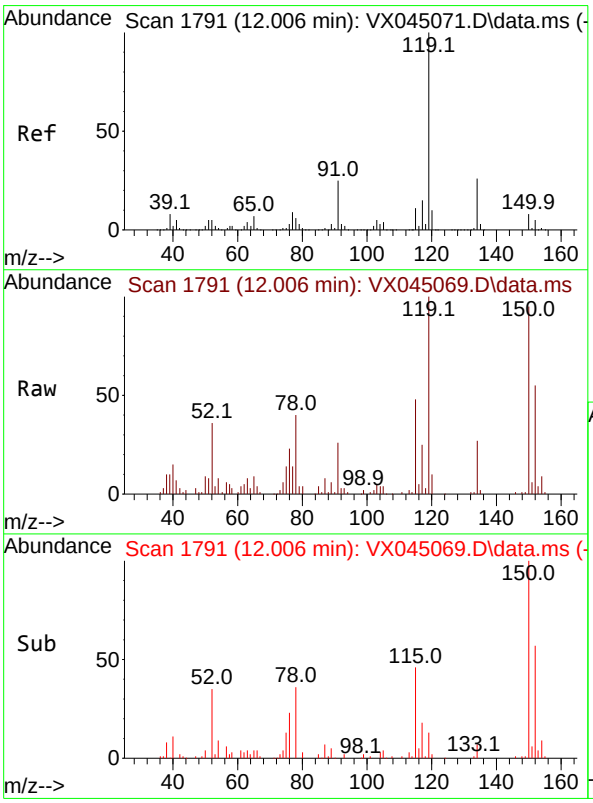
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

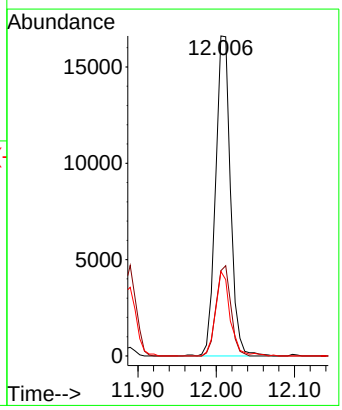
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

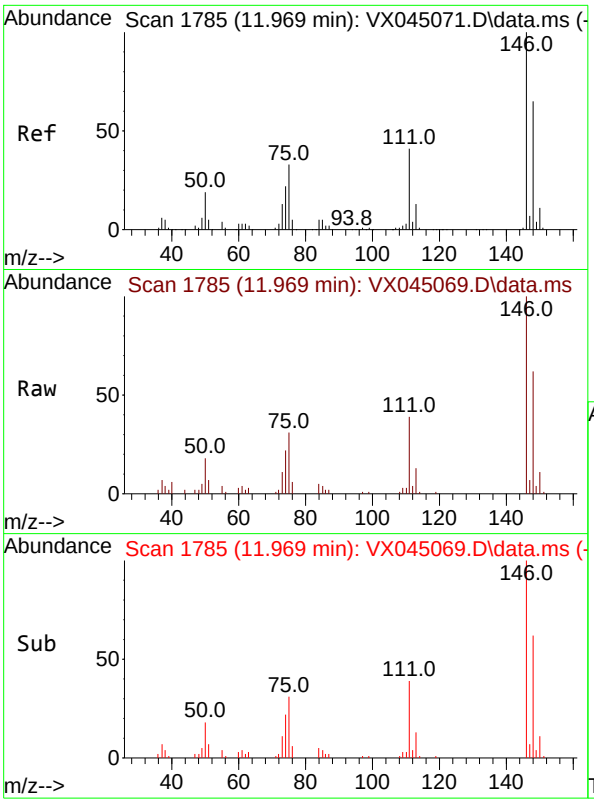


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0

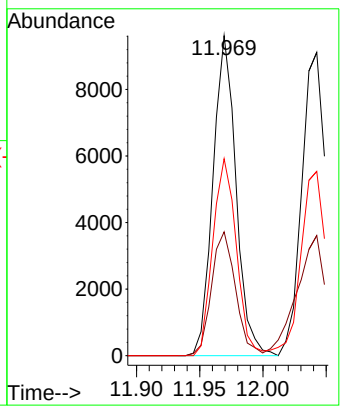




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

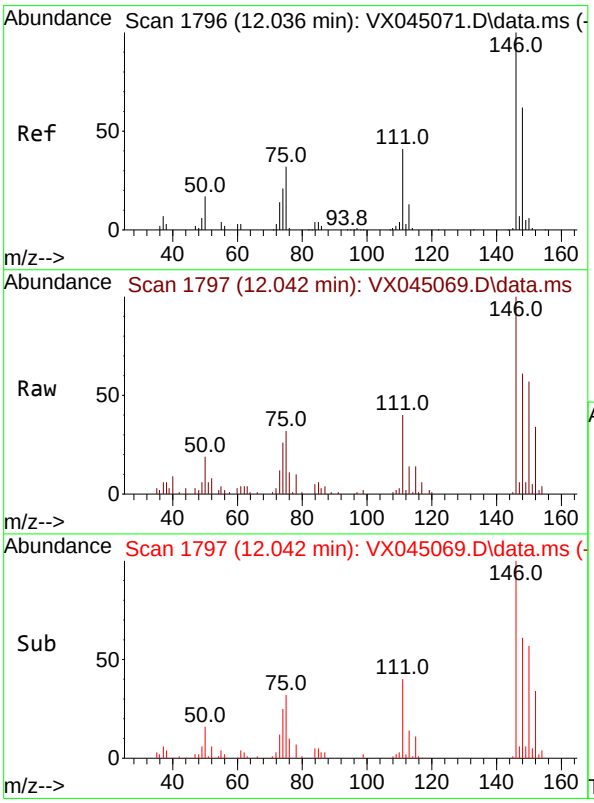
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

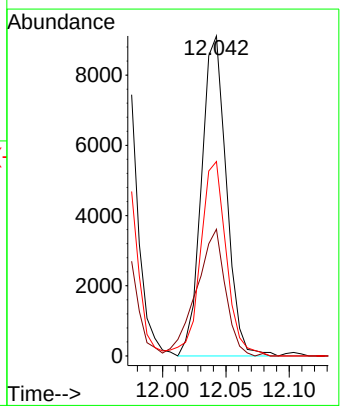
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

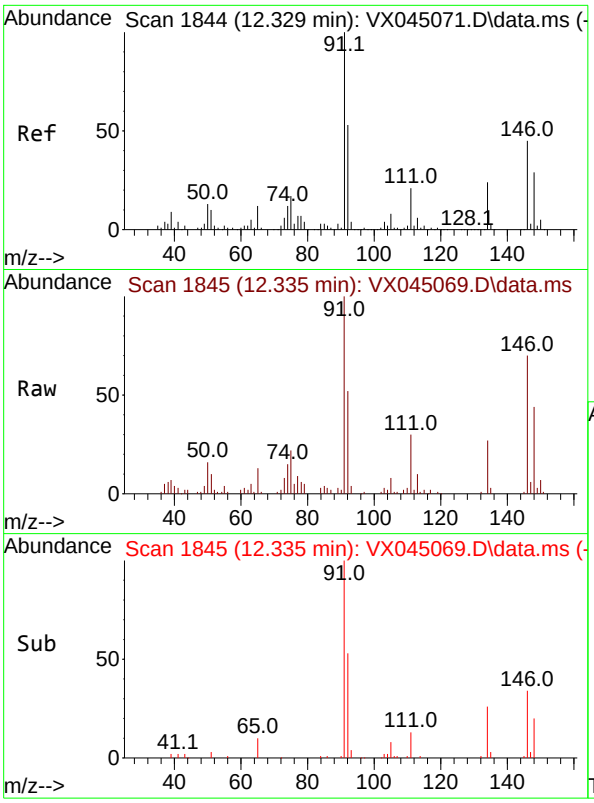


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9

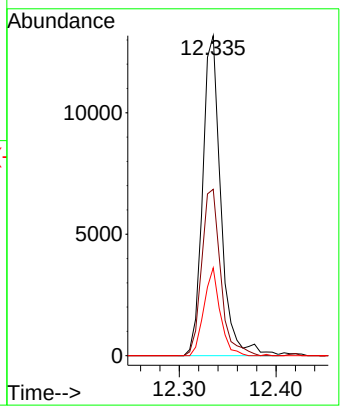




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

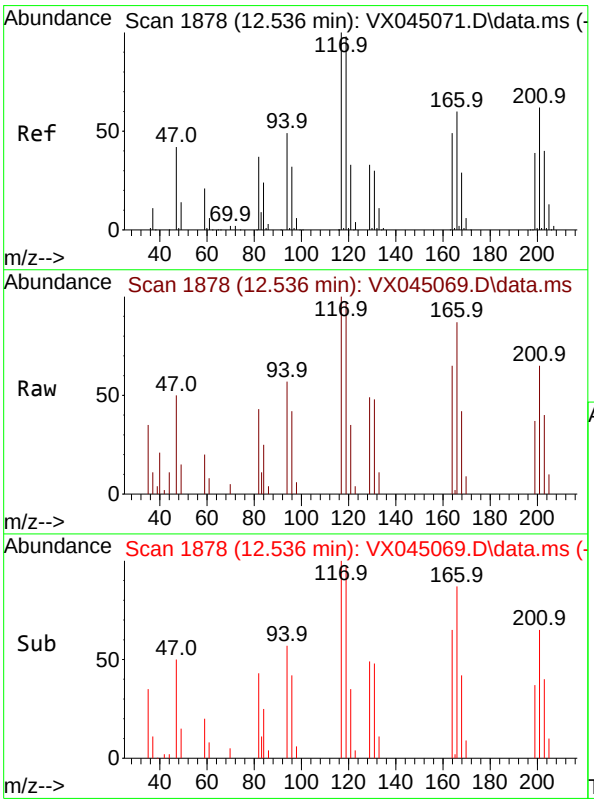
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

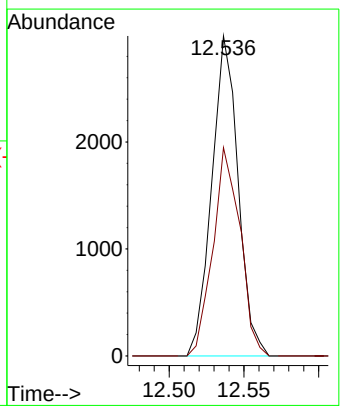
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

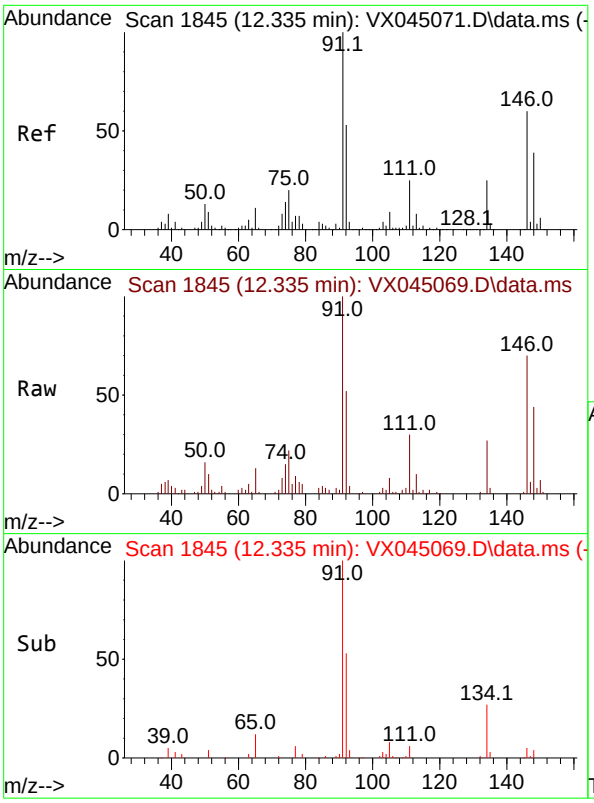


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

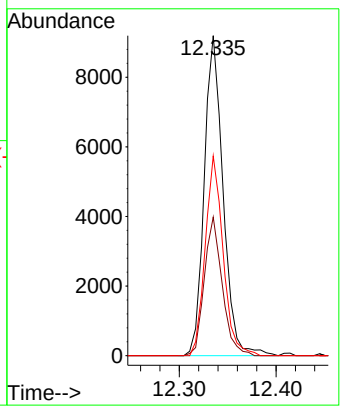




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

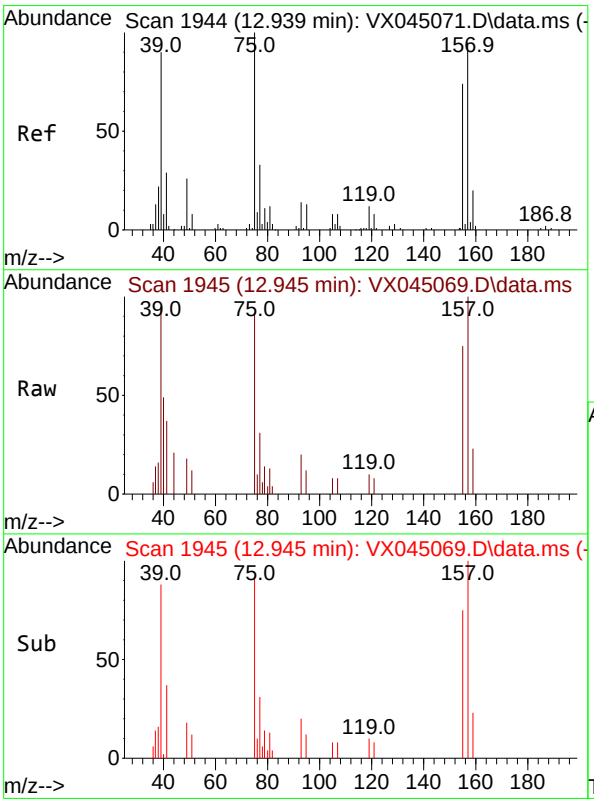
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

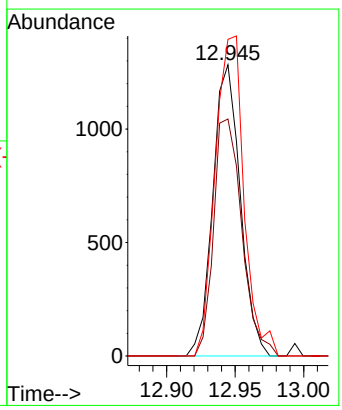
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

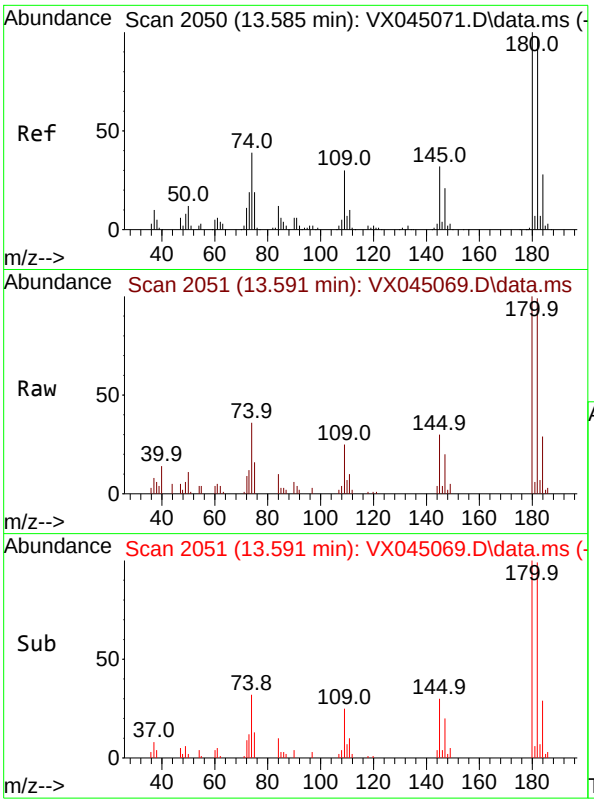


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4

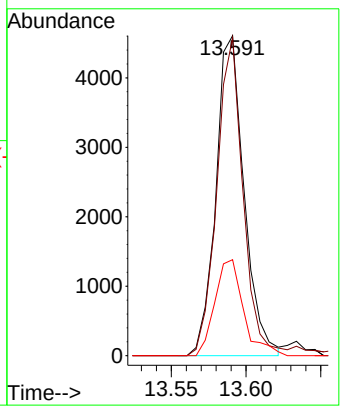




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

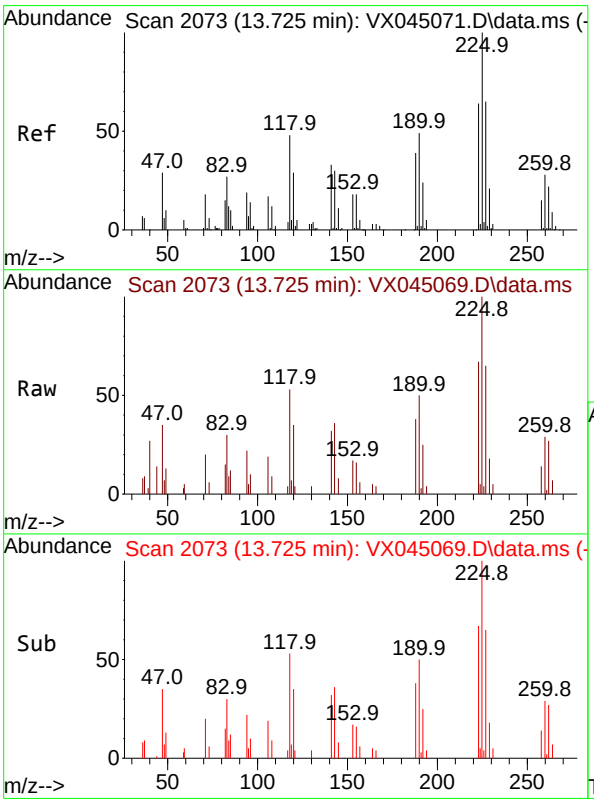
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

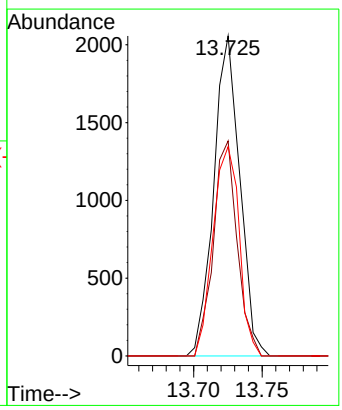
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

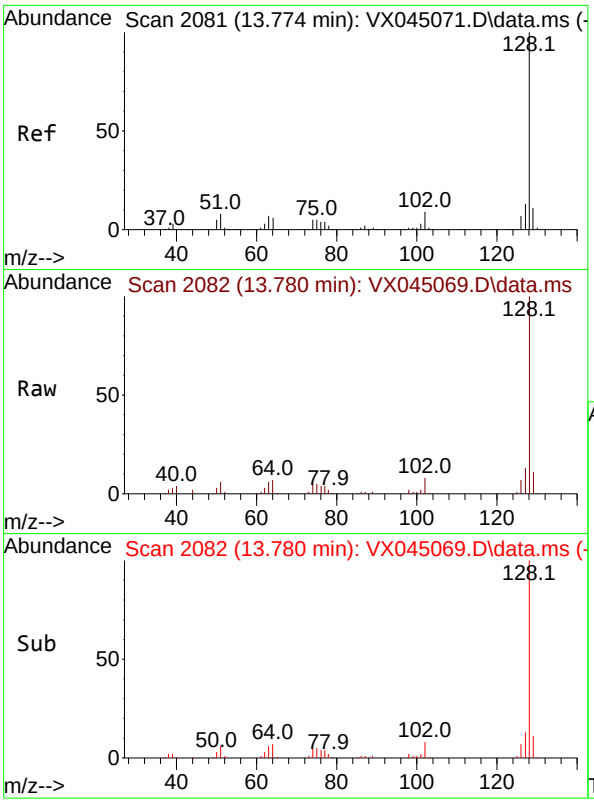


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0

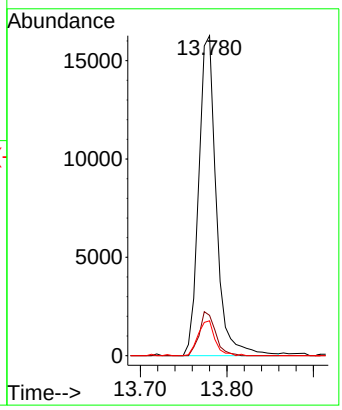




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

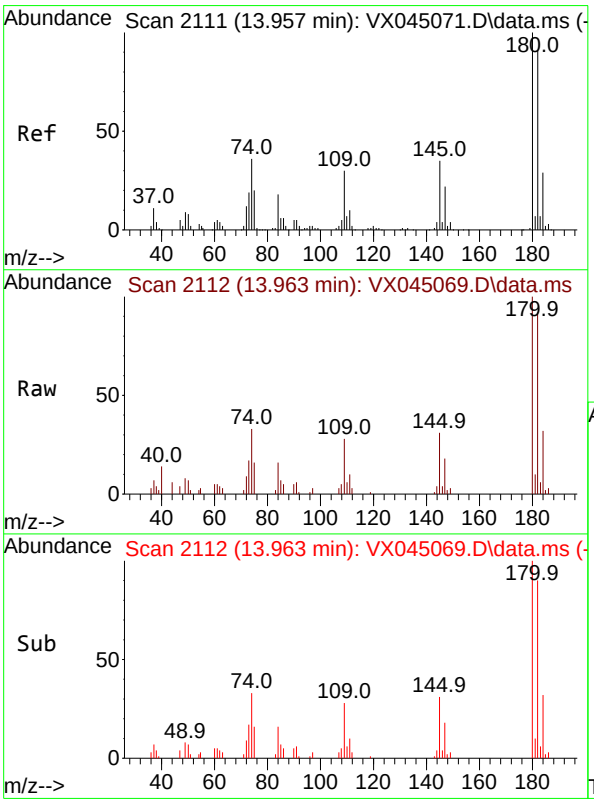
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

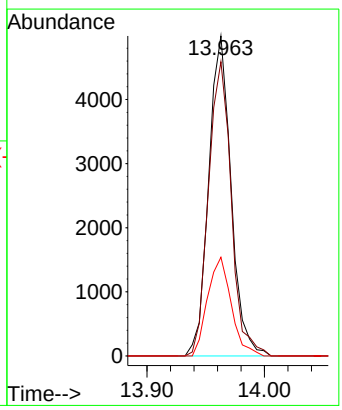
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l		
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

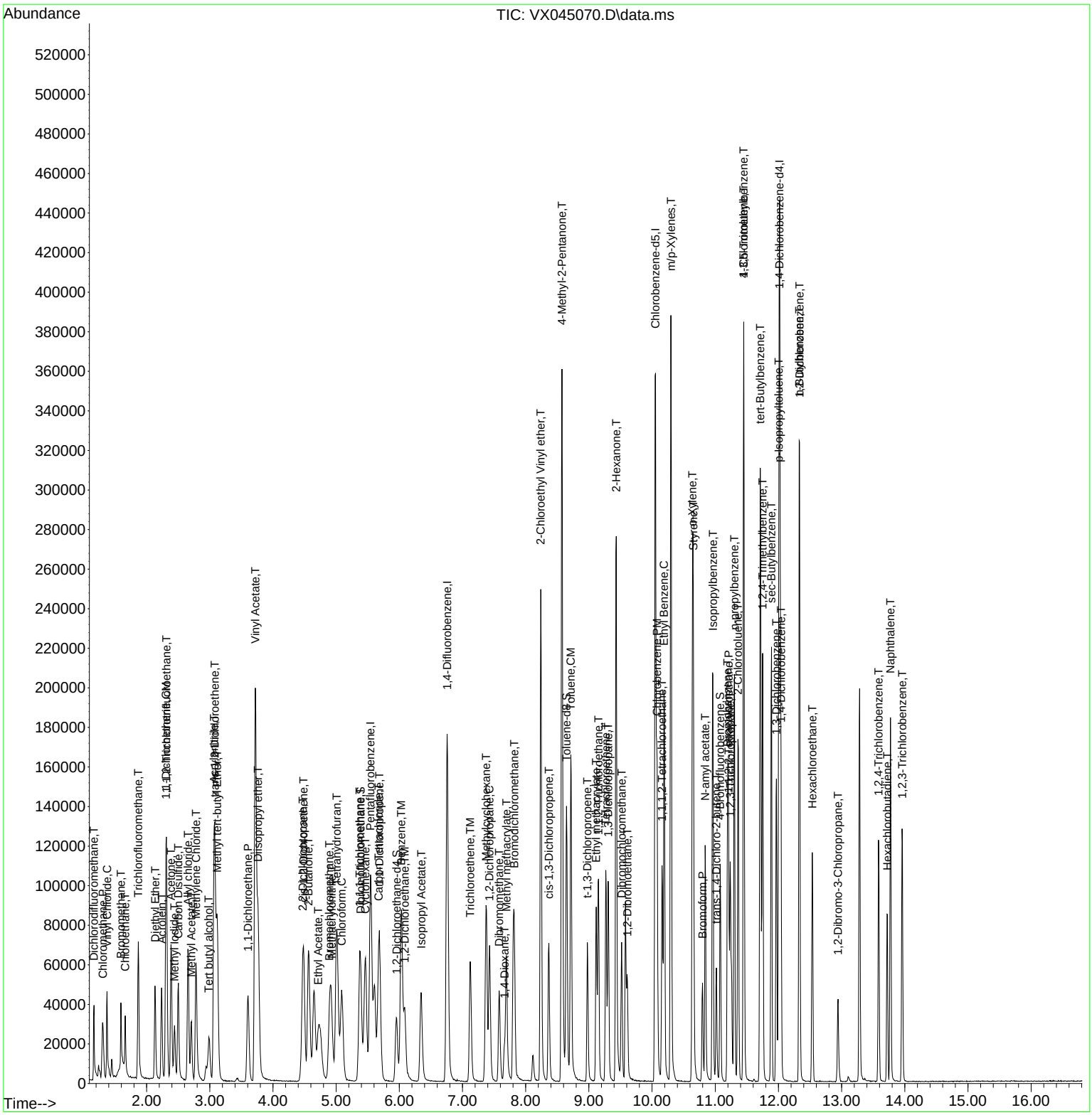
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
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Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

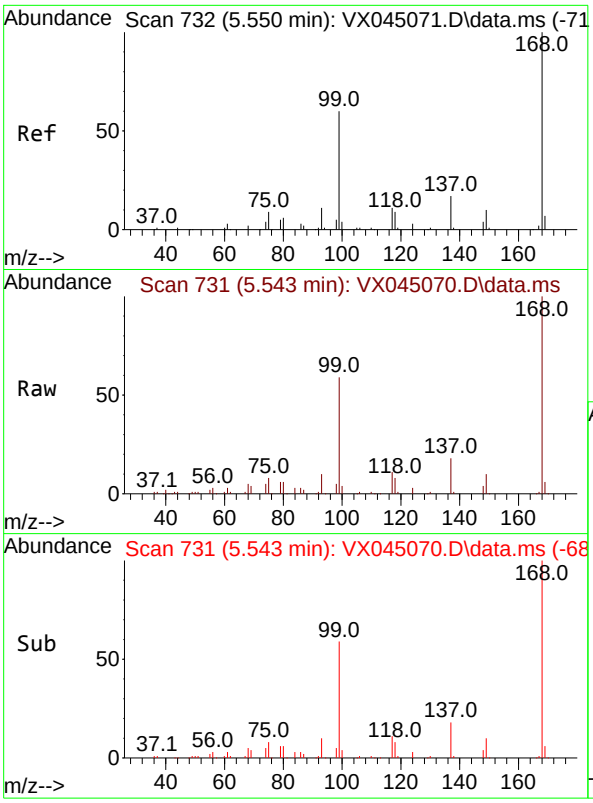
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

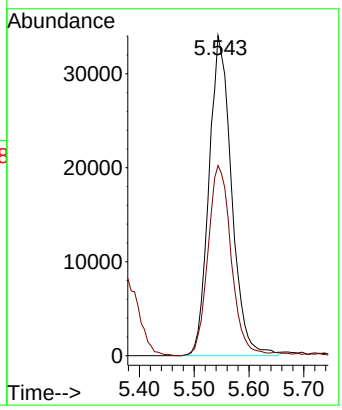




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

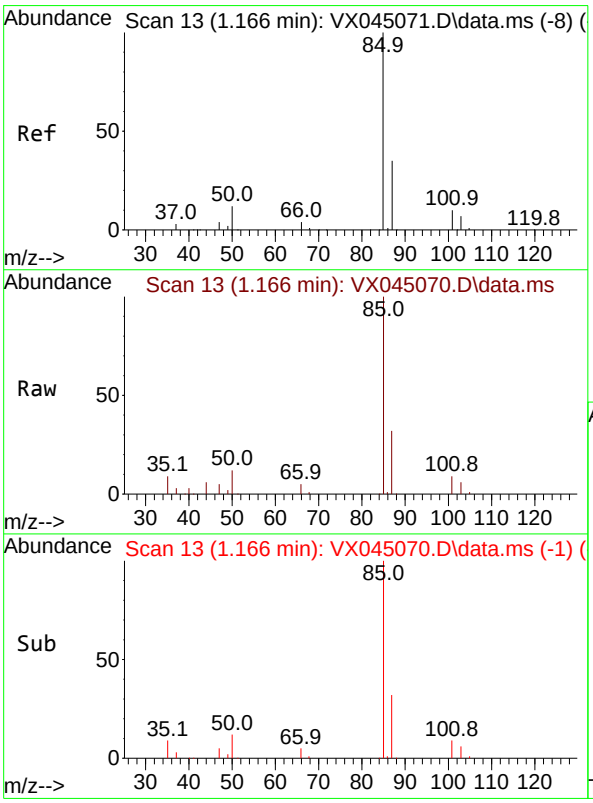
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

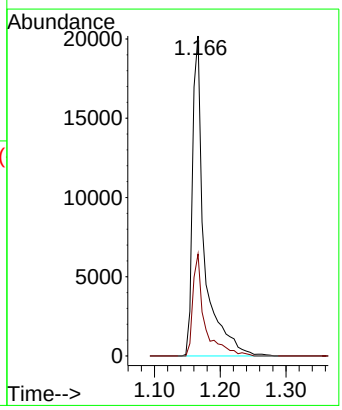
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

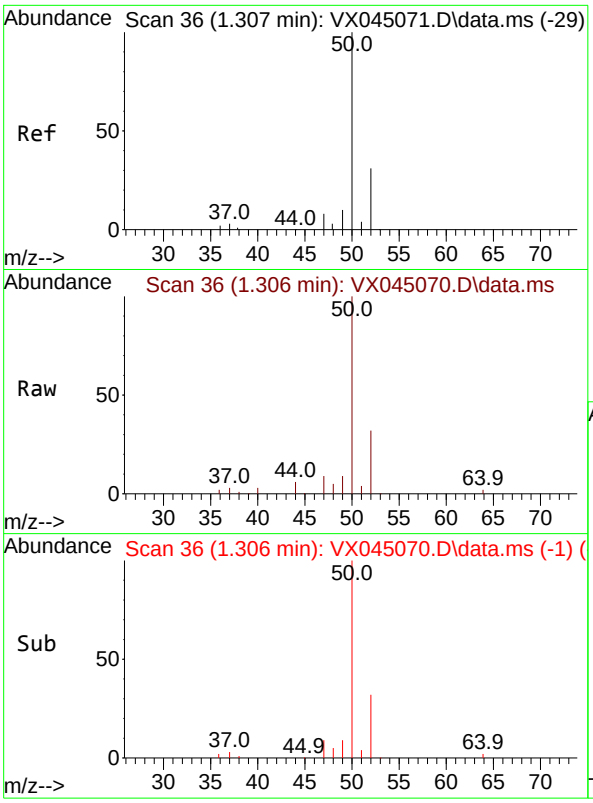


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

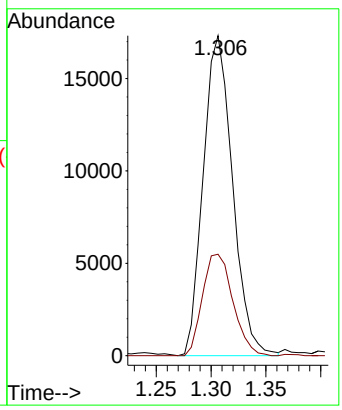




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

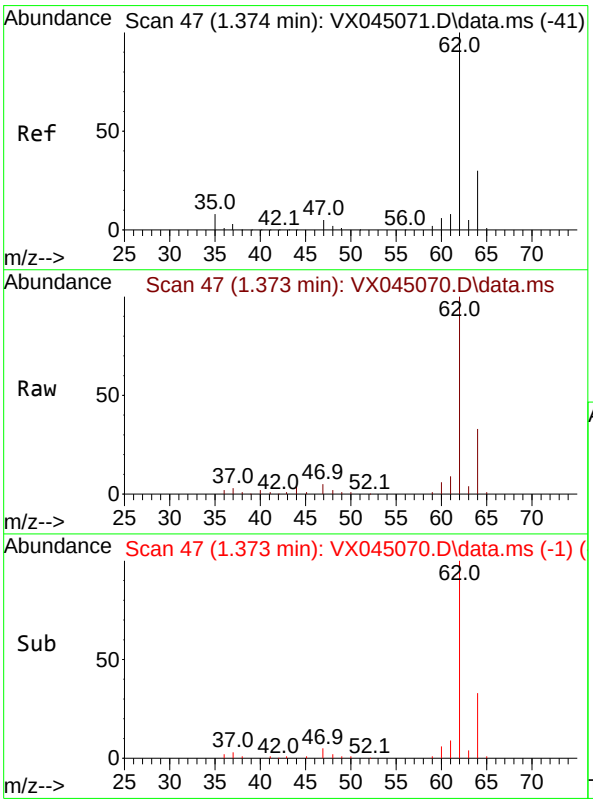
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

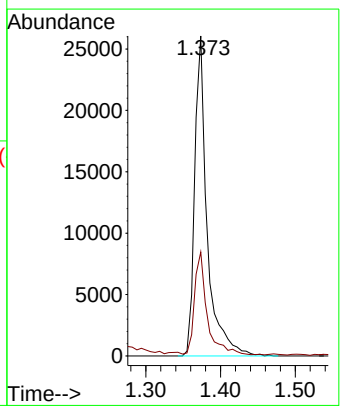
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

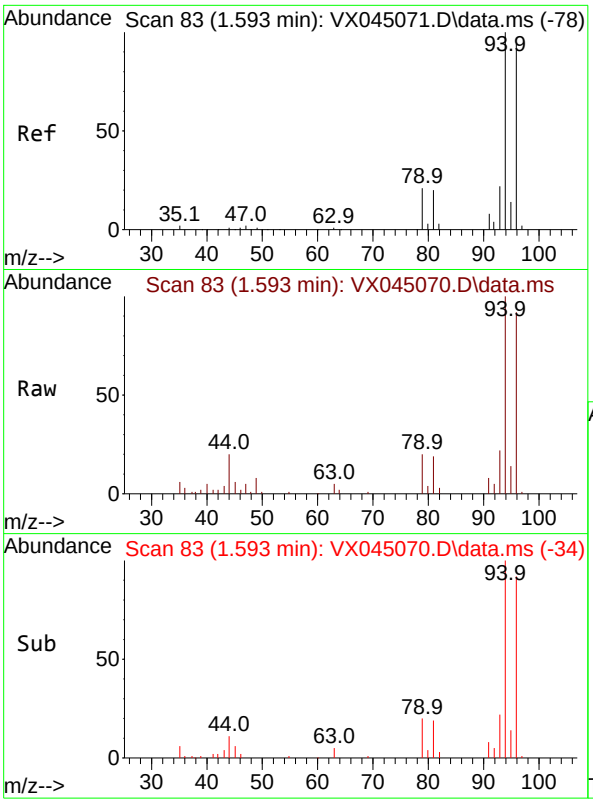


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

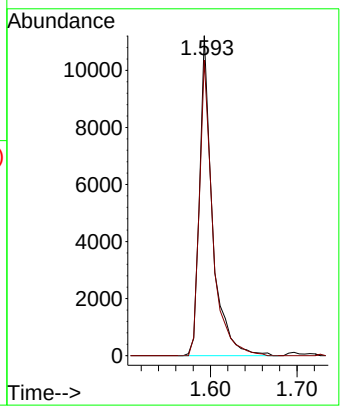




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

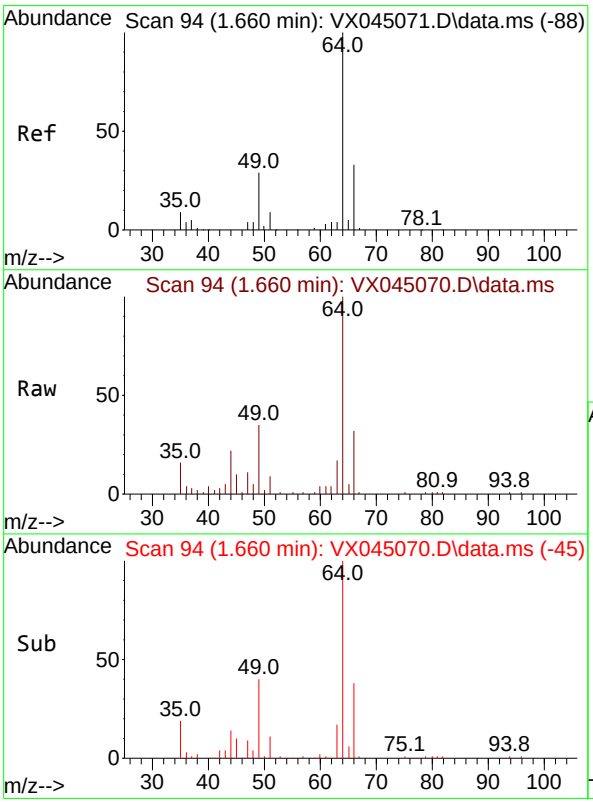
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

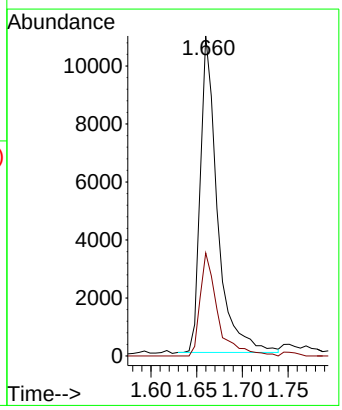
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

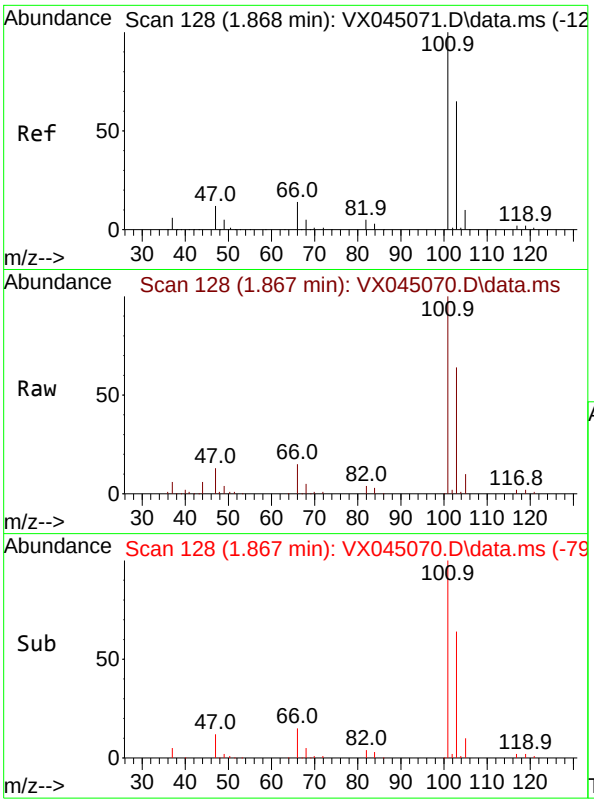


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

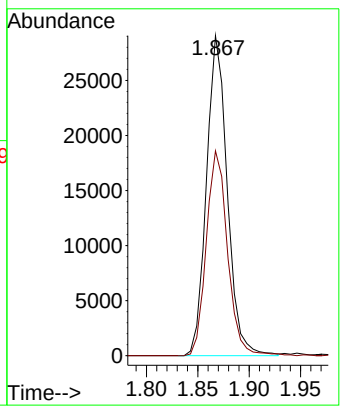




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

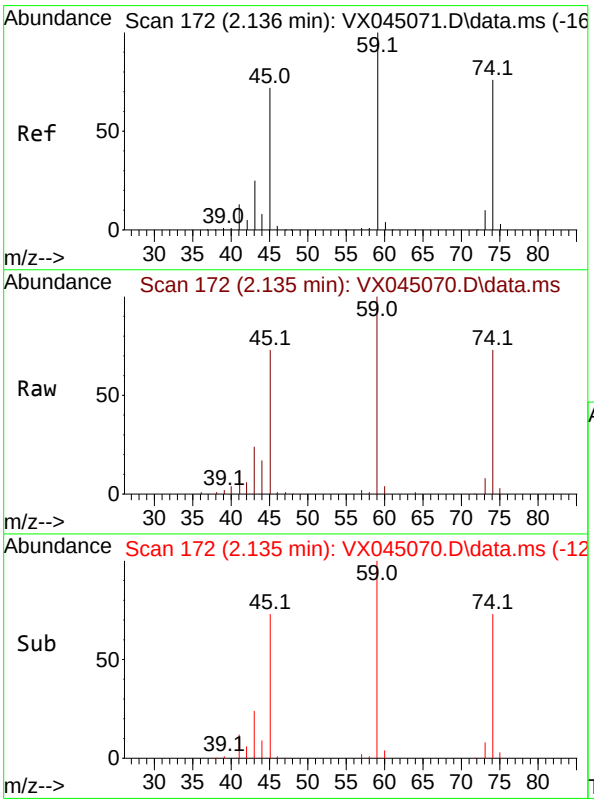
Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

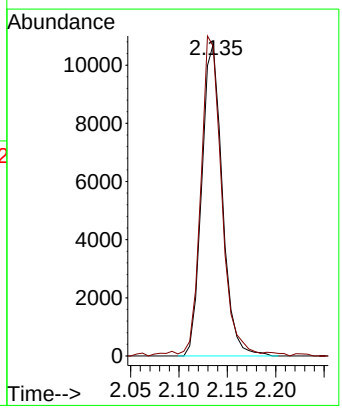
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

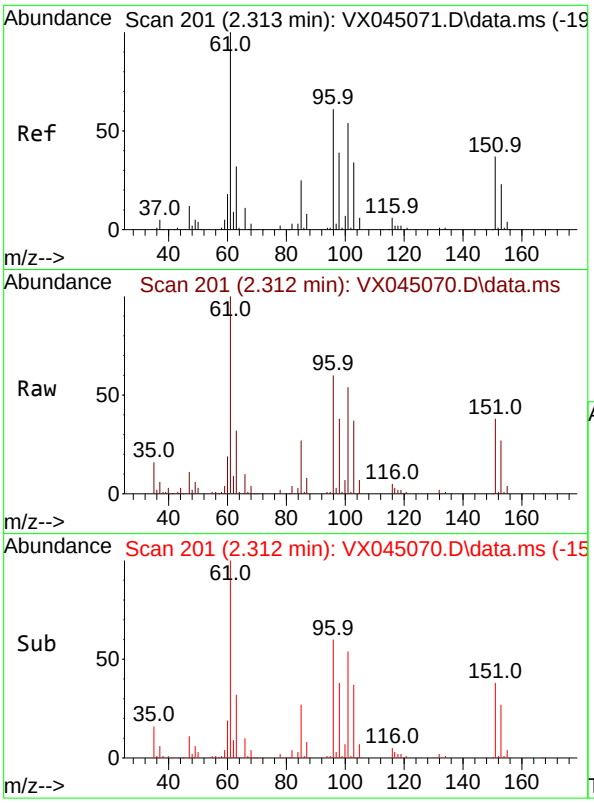


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

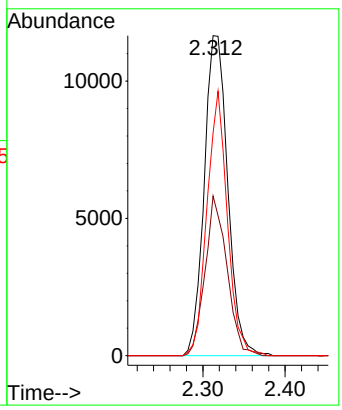




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

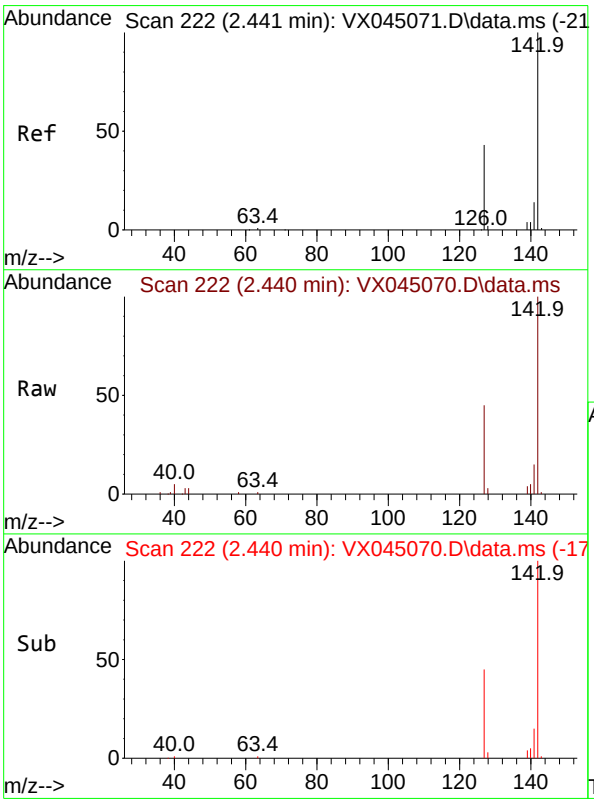
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

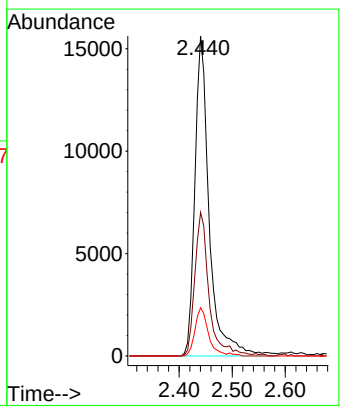
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

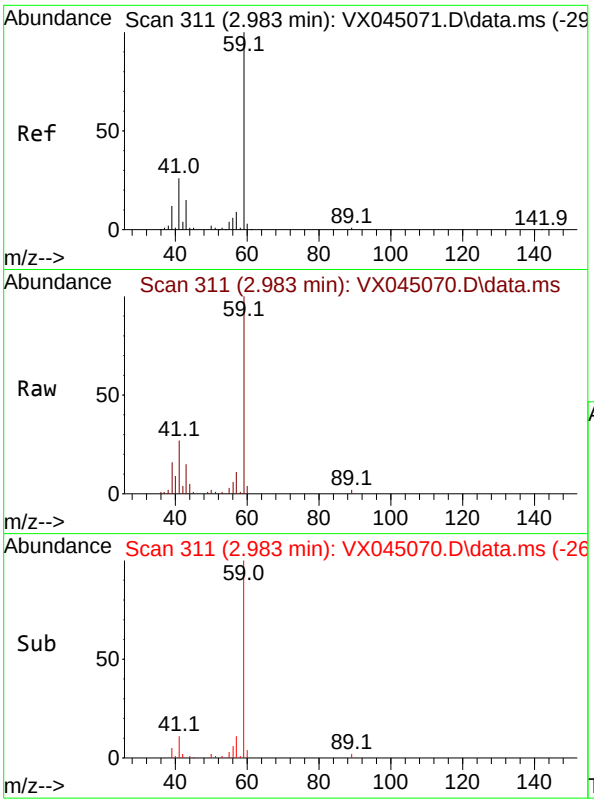


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4

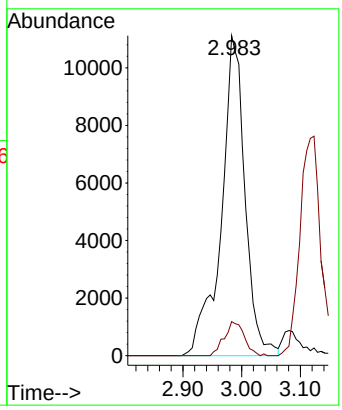




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

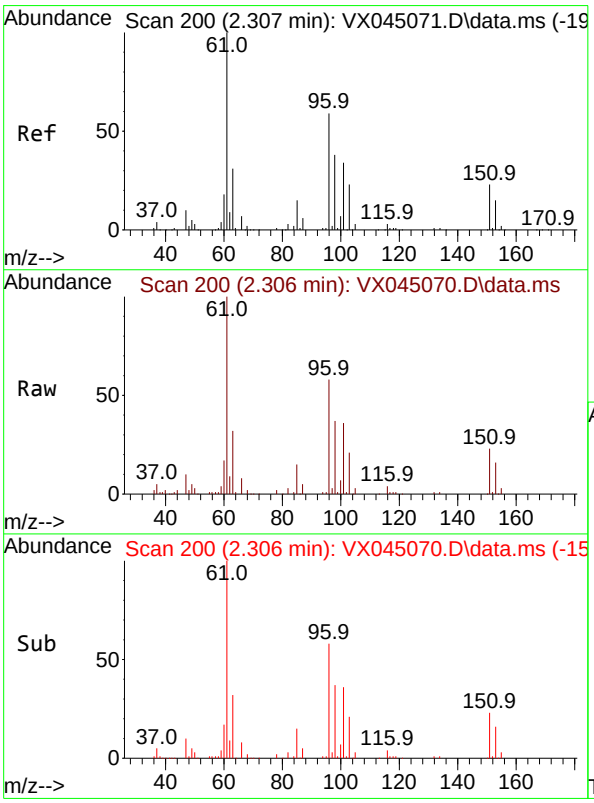
Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

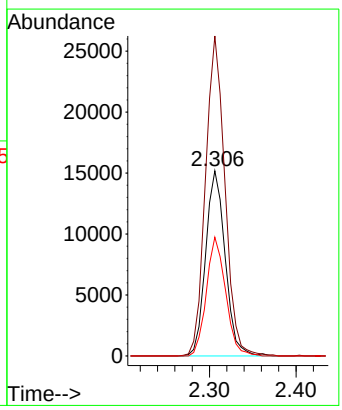
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

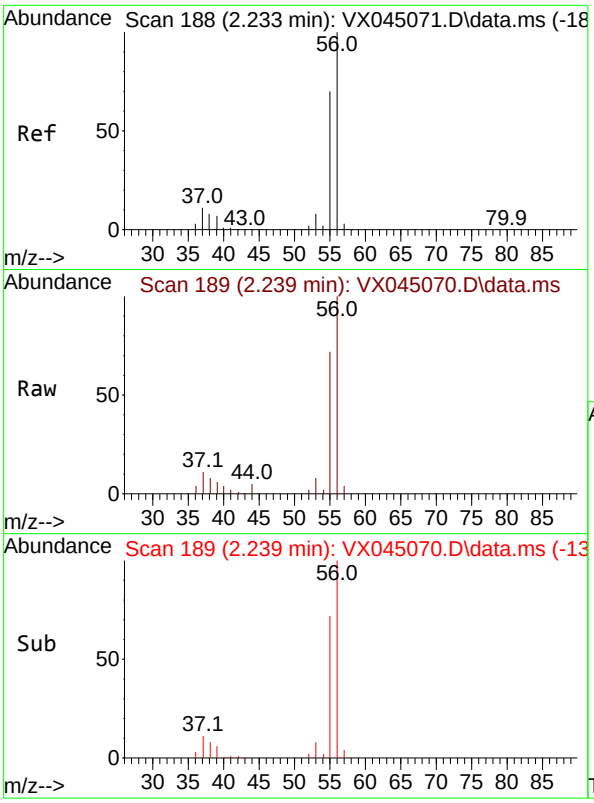


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6

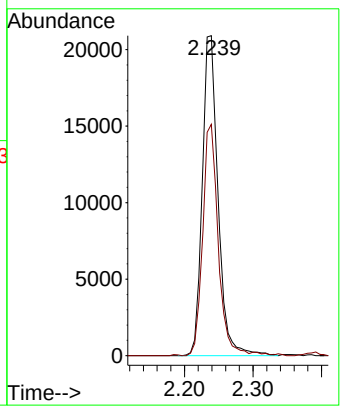




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

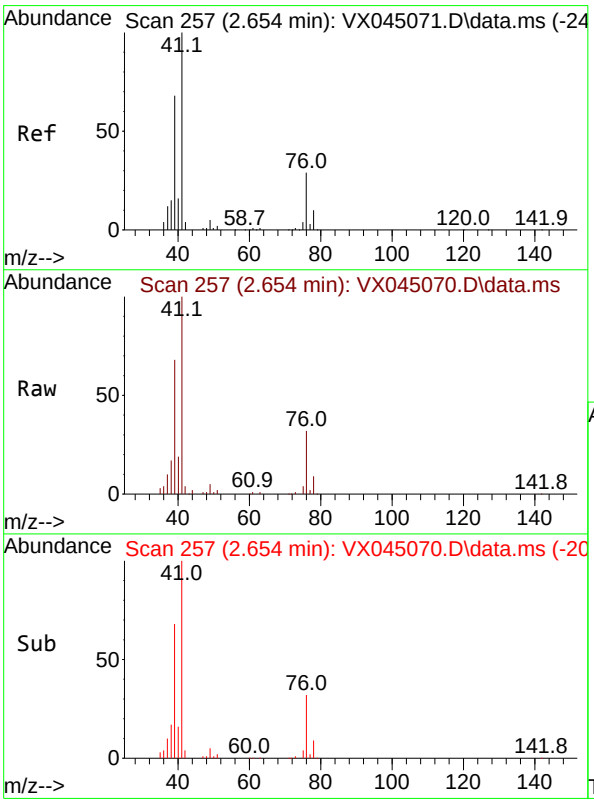
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

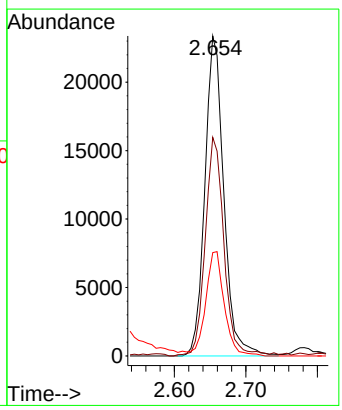
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

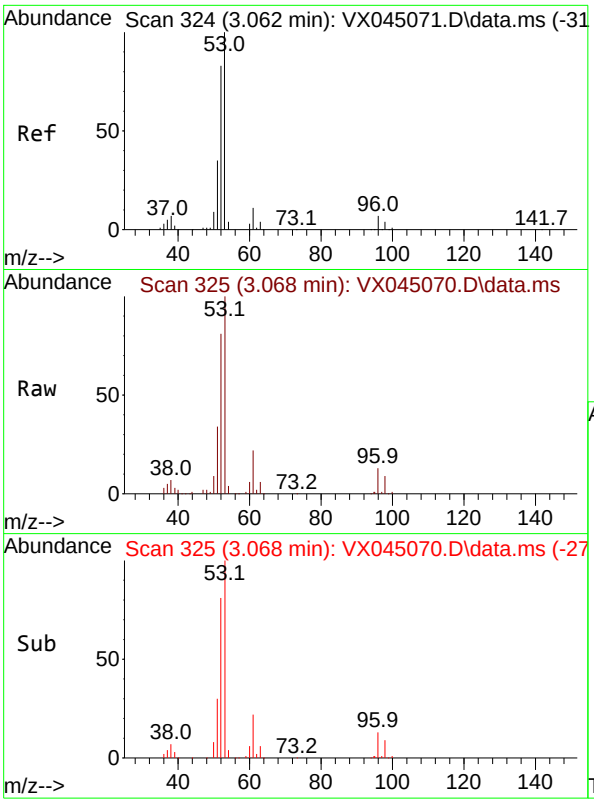


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8

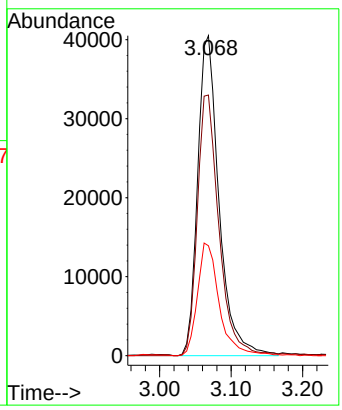




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

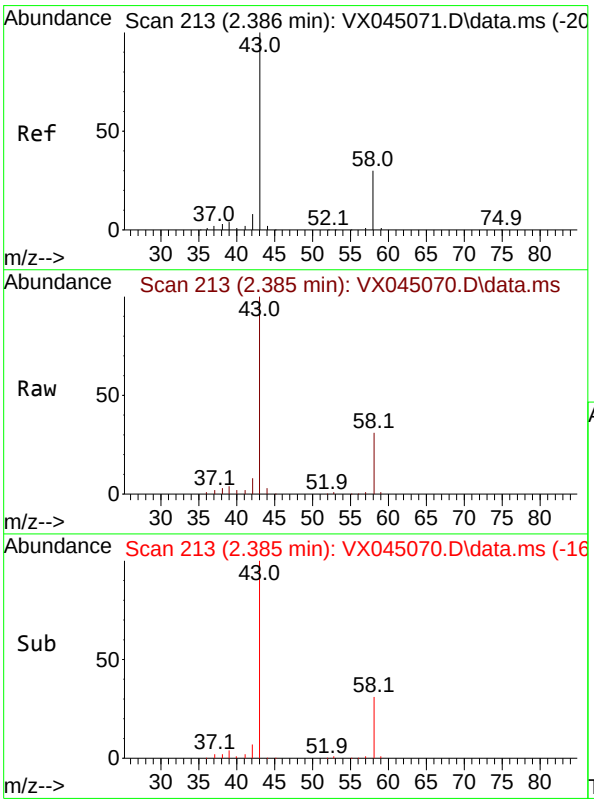
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

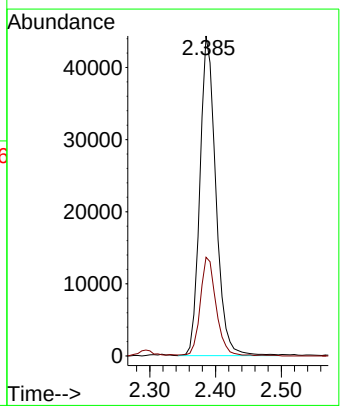
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

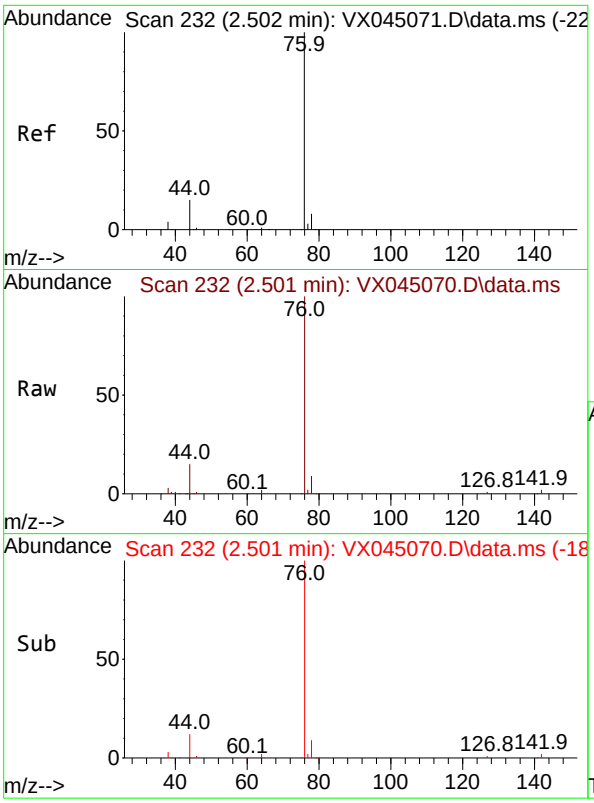


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

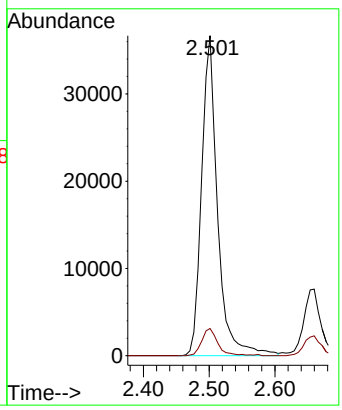




#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 6180

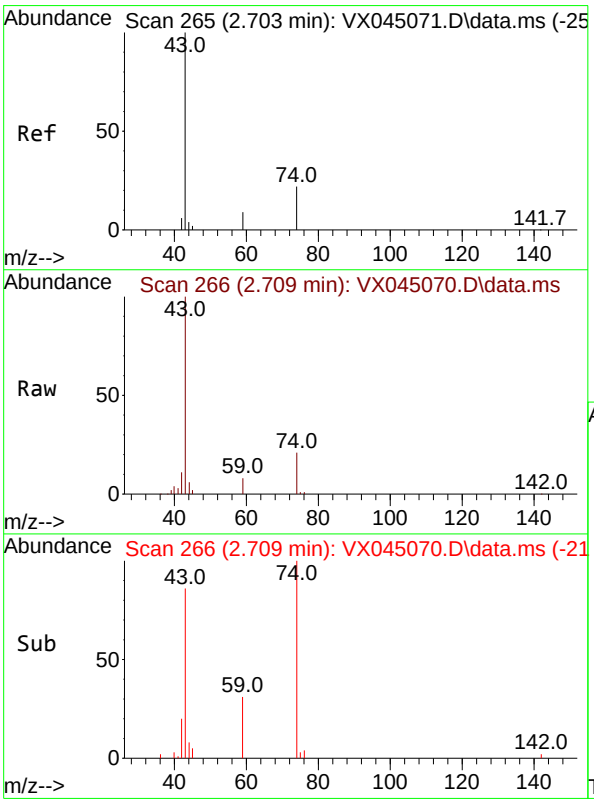
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

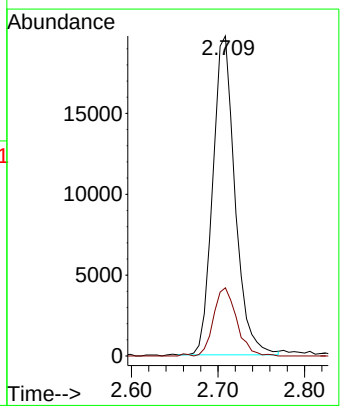
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

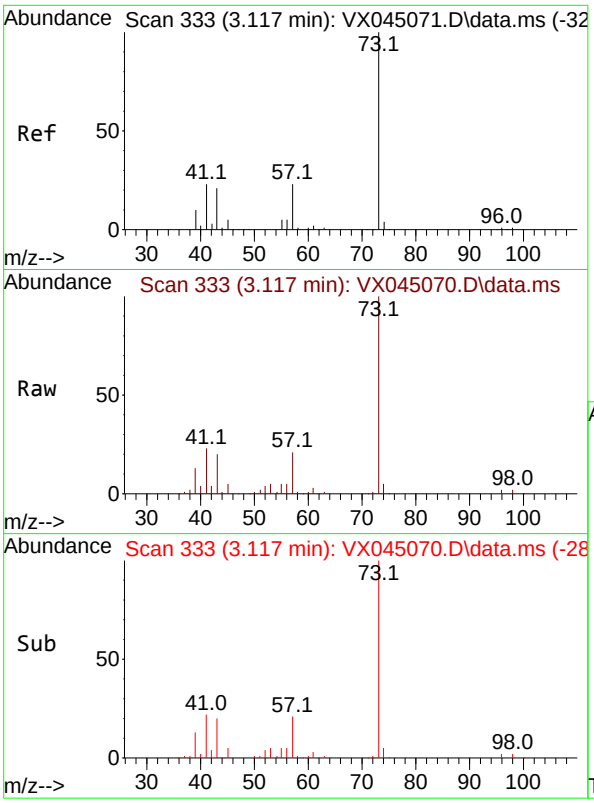


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

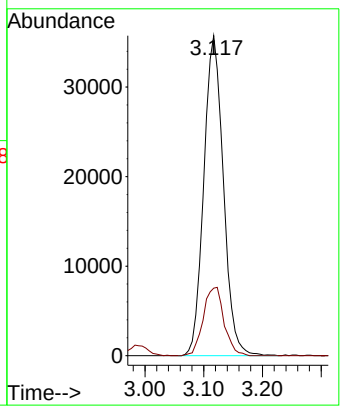




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

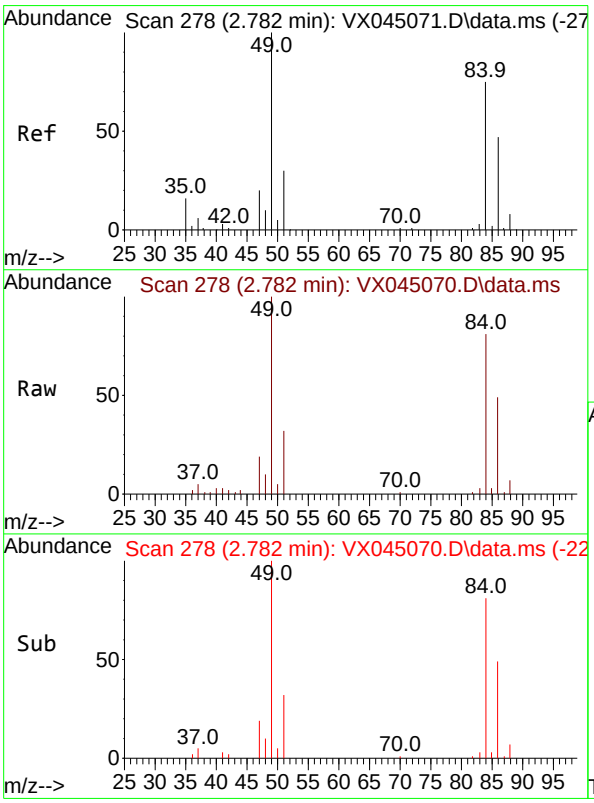
Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

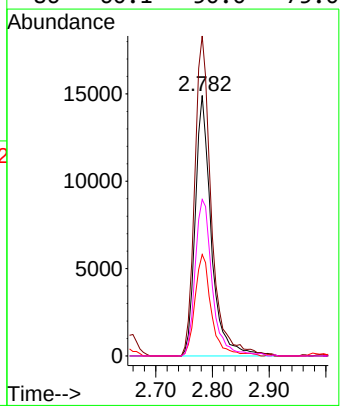
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

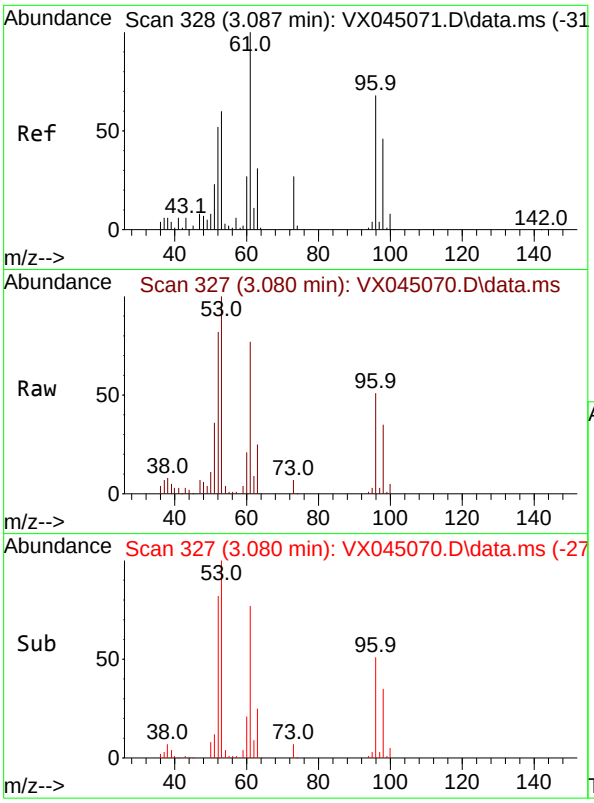


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0

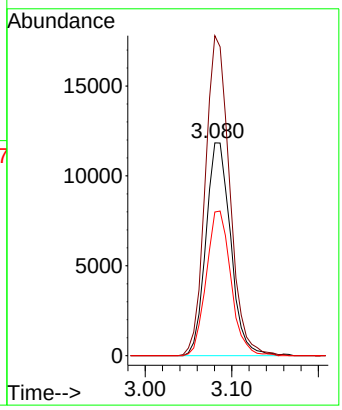




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

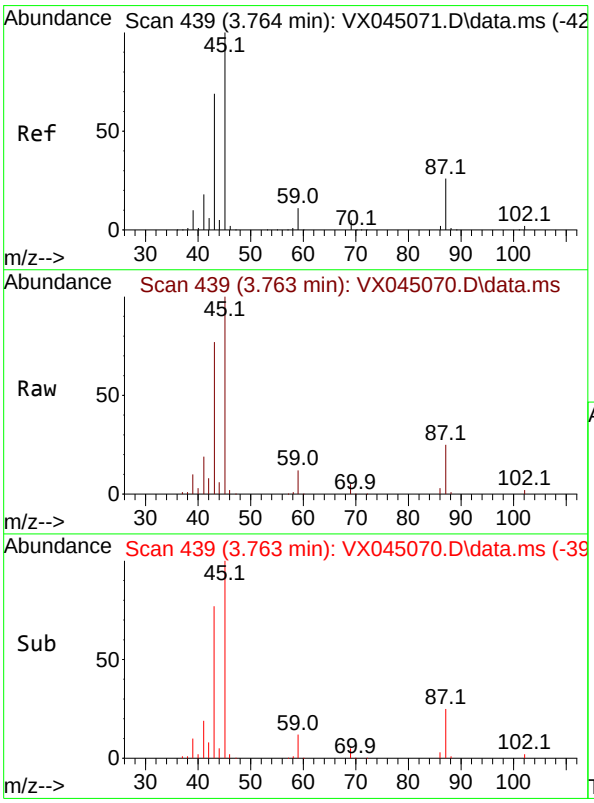
Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

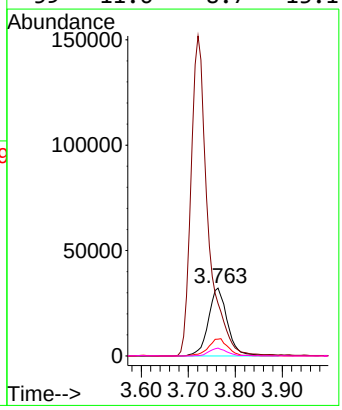
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

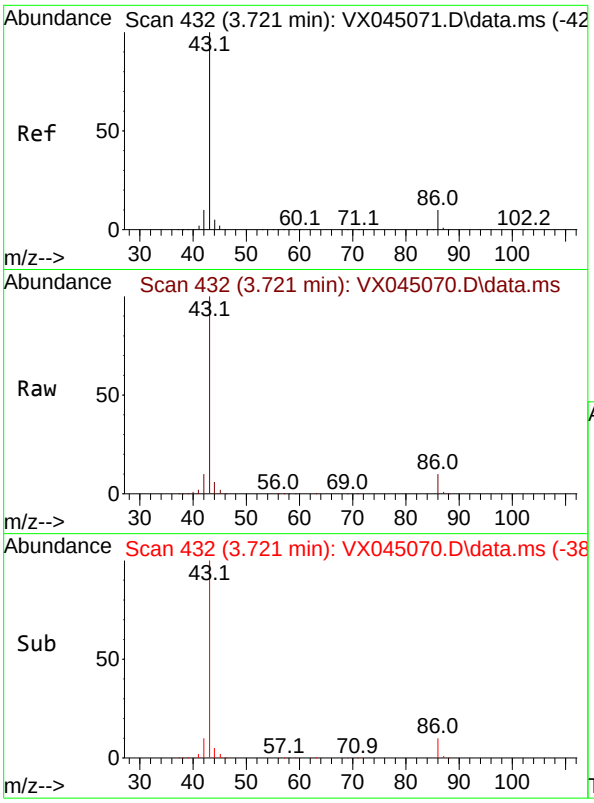


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

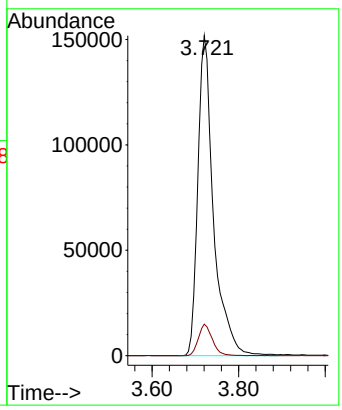
Tgt Ion: 43 Resp: 38180

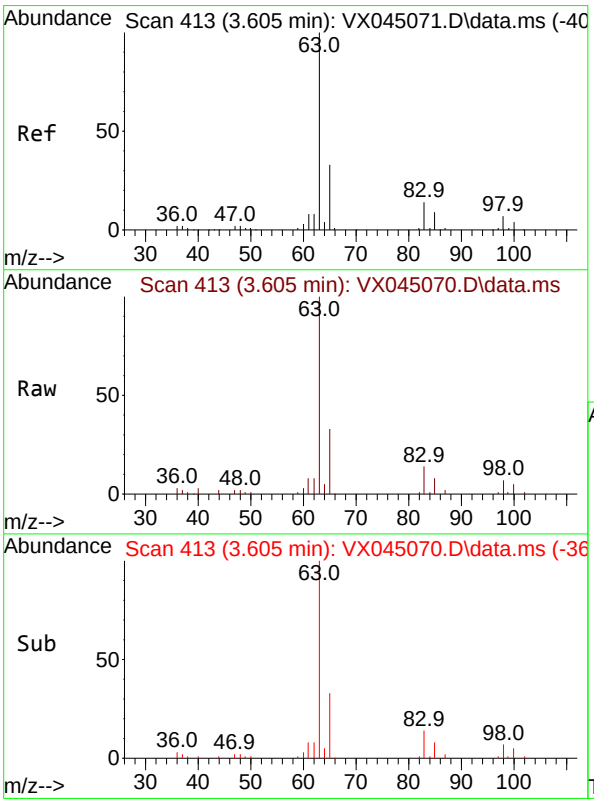
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

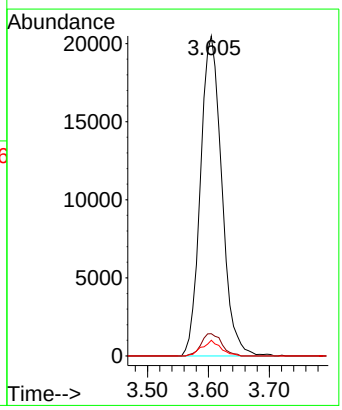


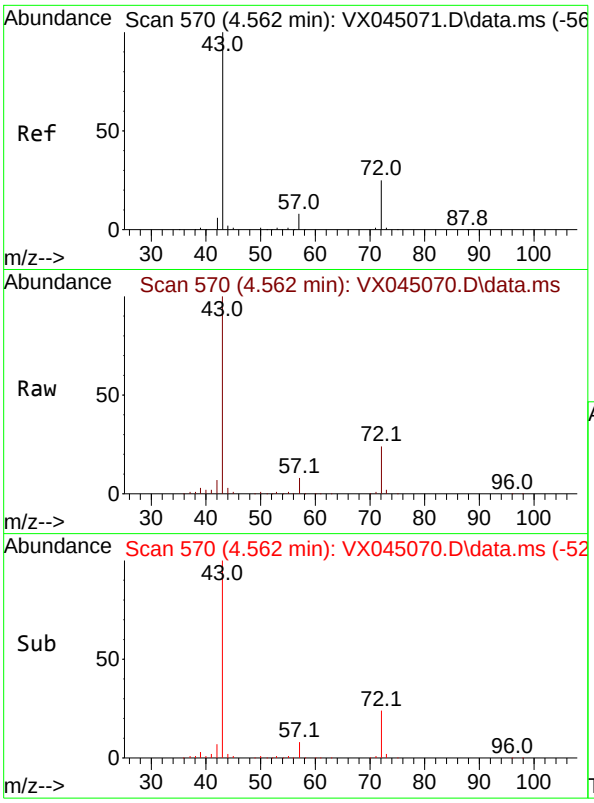


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

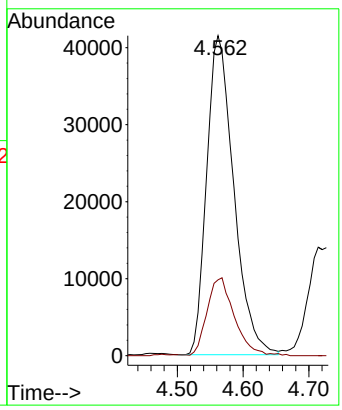
Tgt Ion: 43 Resp: 11871

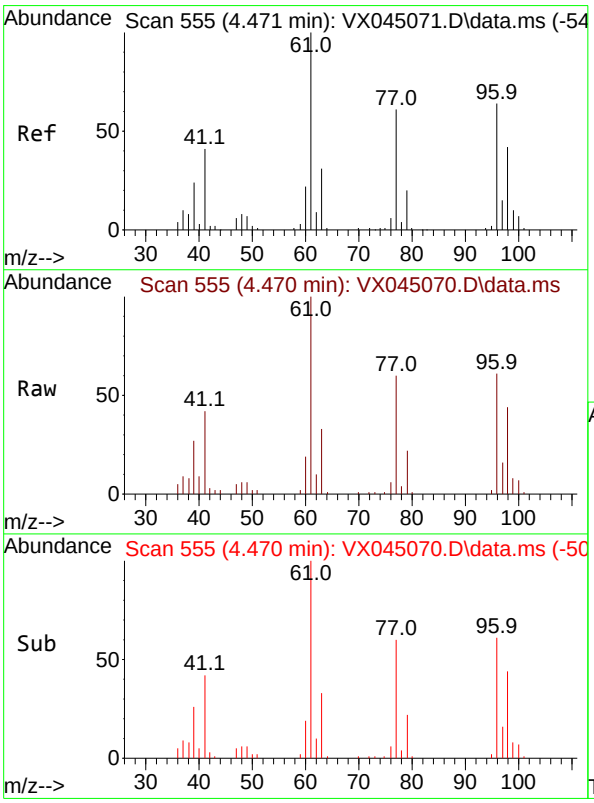
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

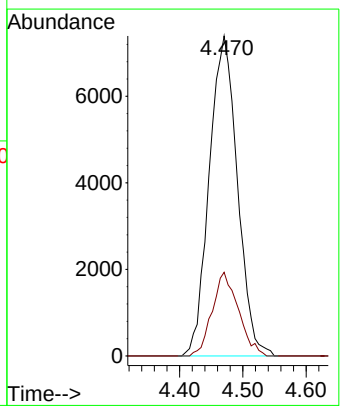


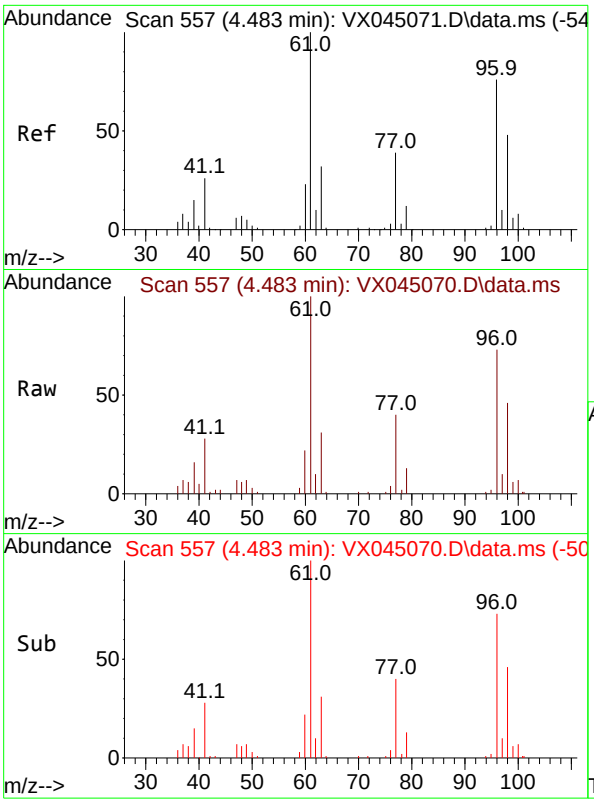


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

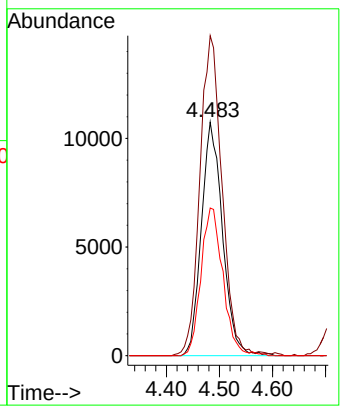




#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

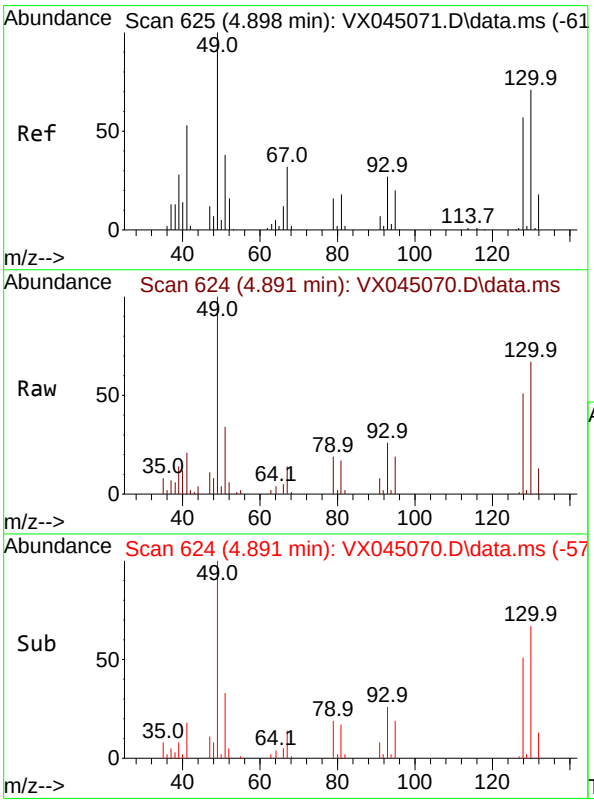
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

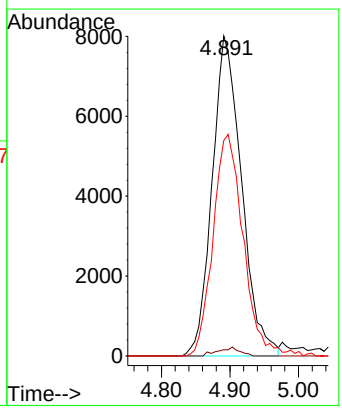
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

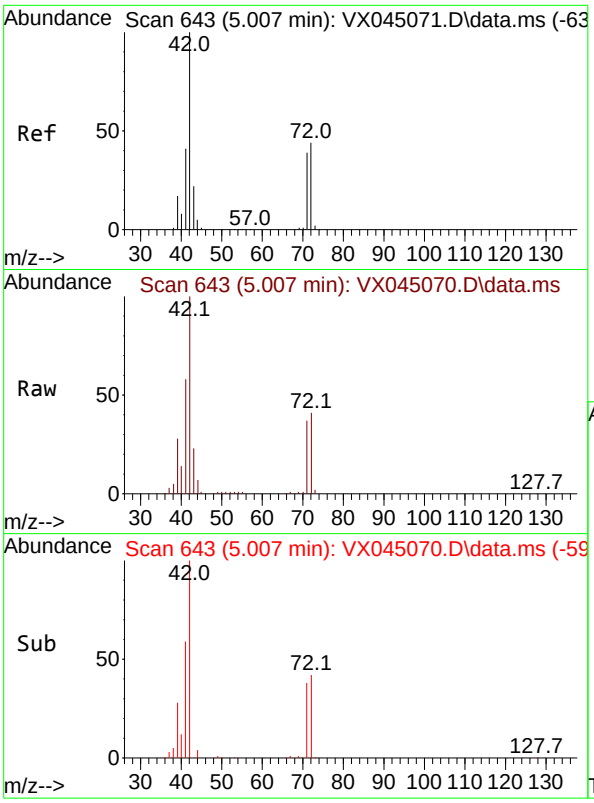


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

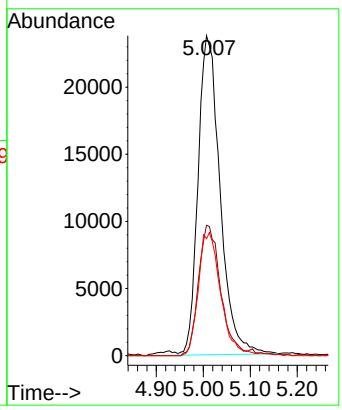
Tgt Ion: 42 Resp: 7743

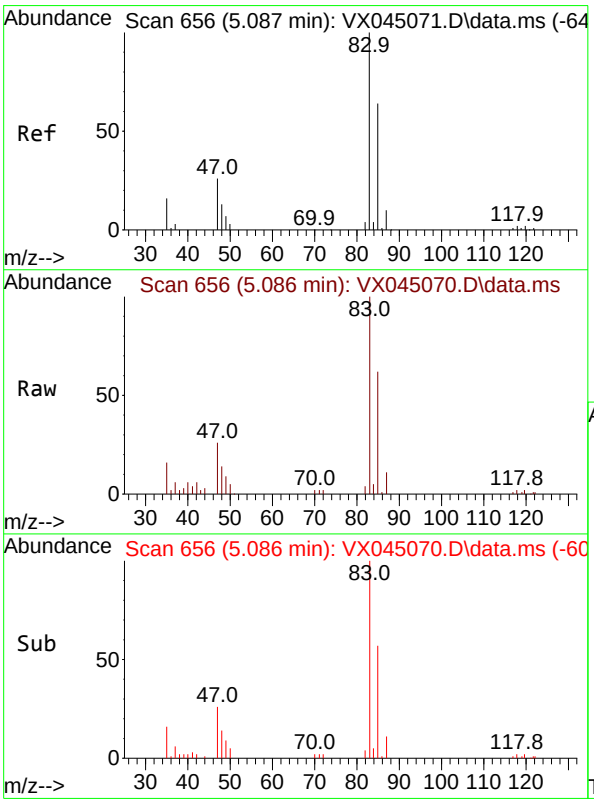
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

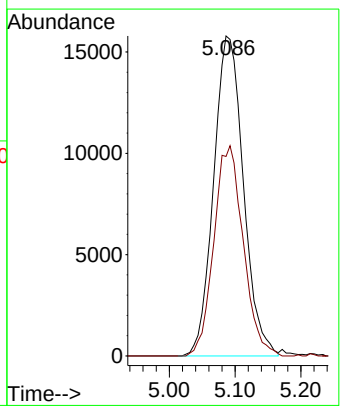


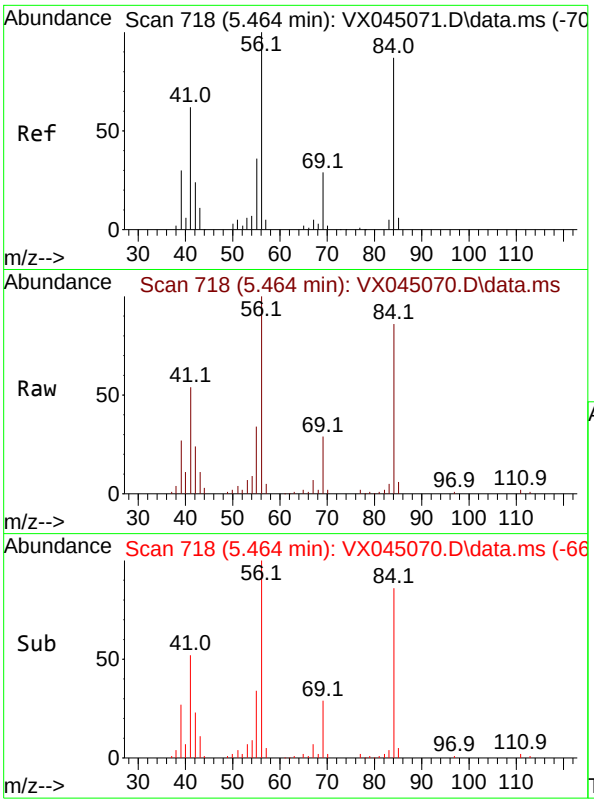


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

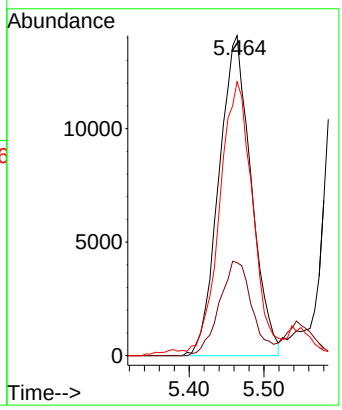




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

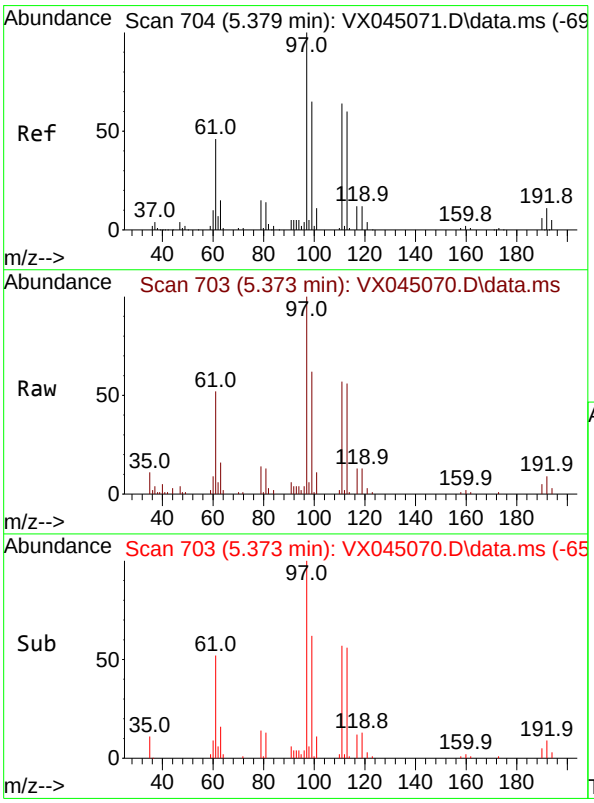
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

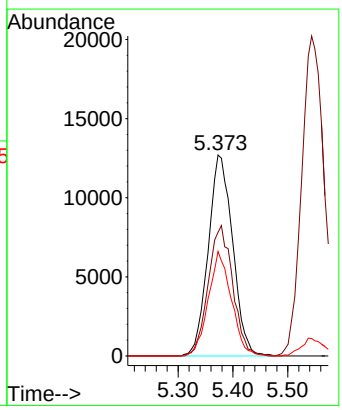
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

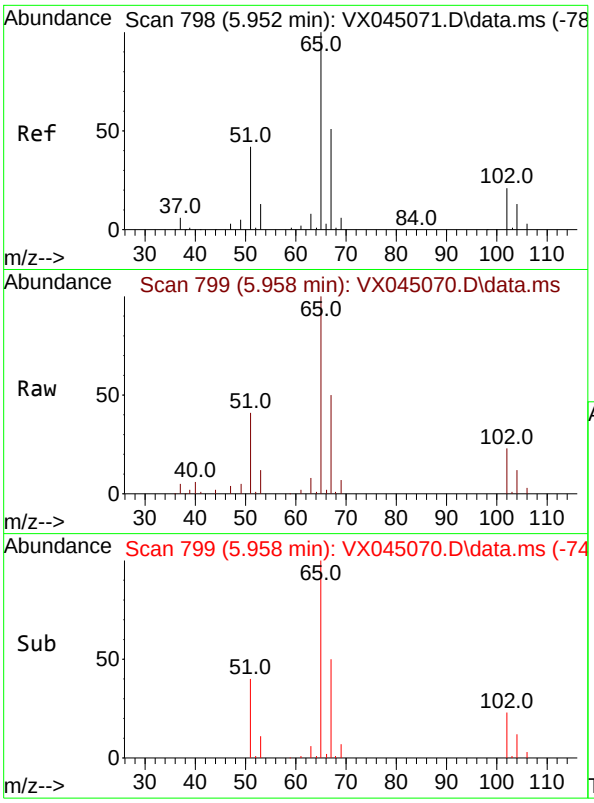


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6

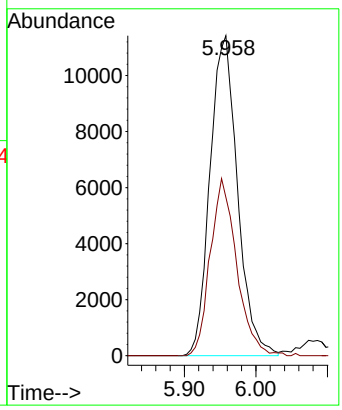




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

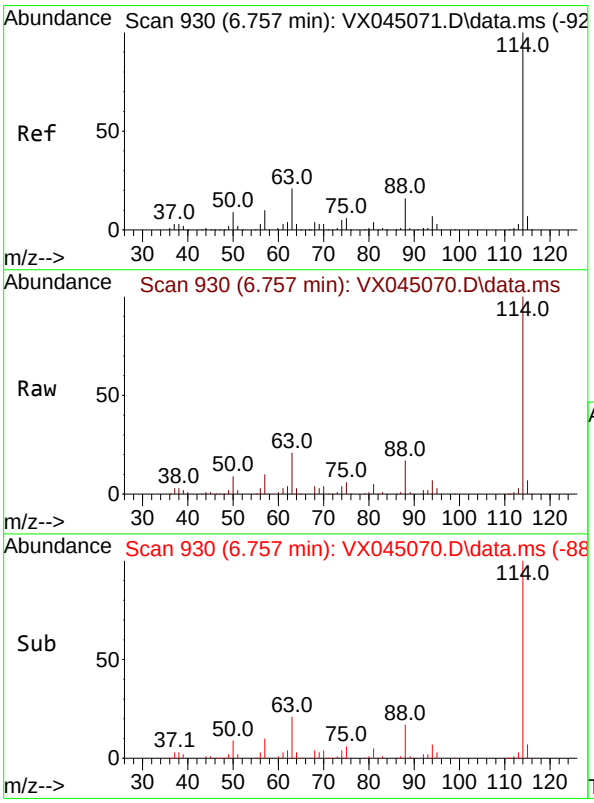
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

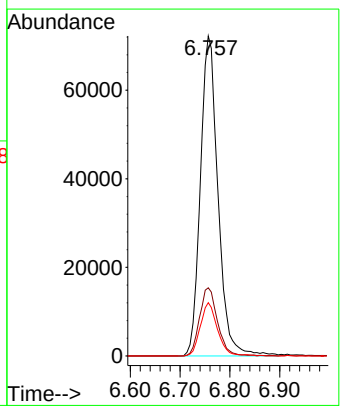
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

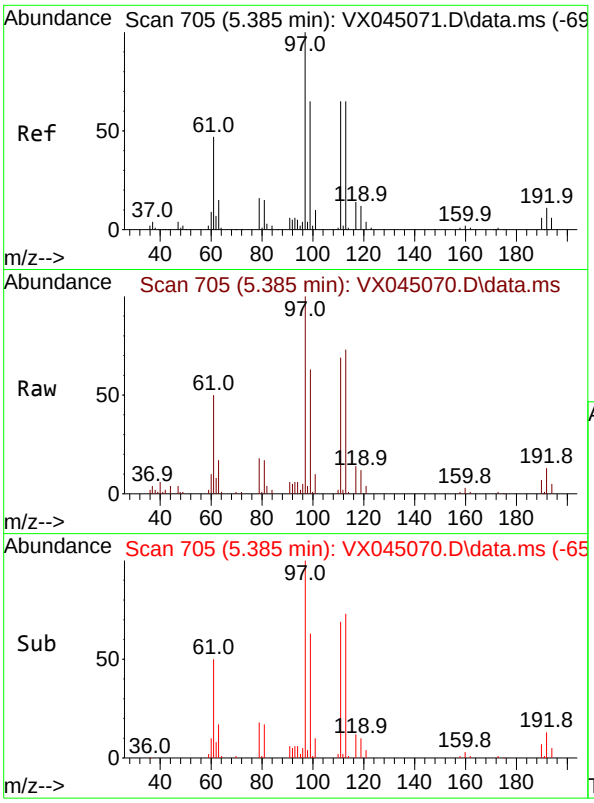


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8

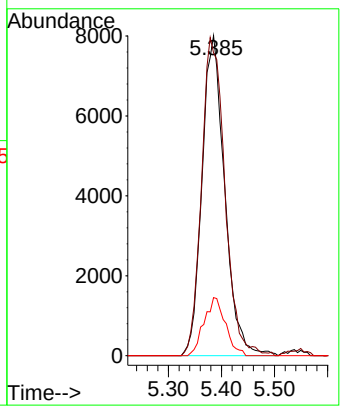




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

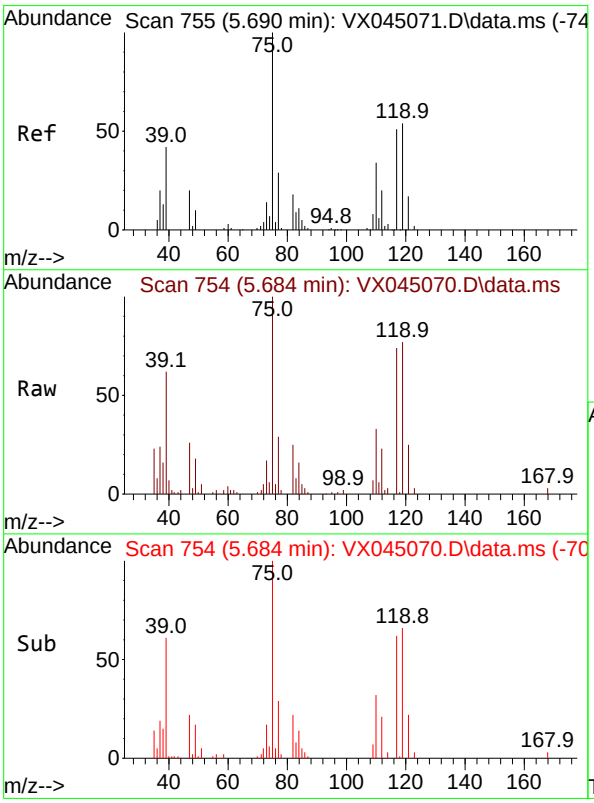
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

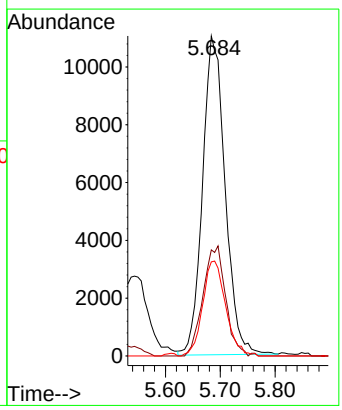
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

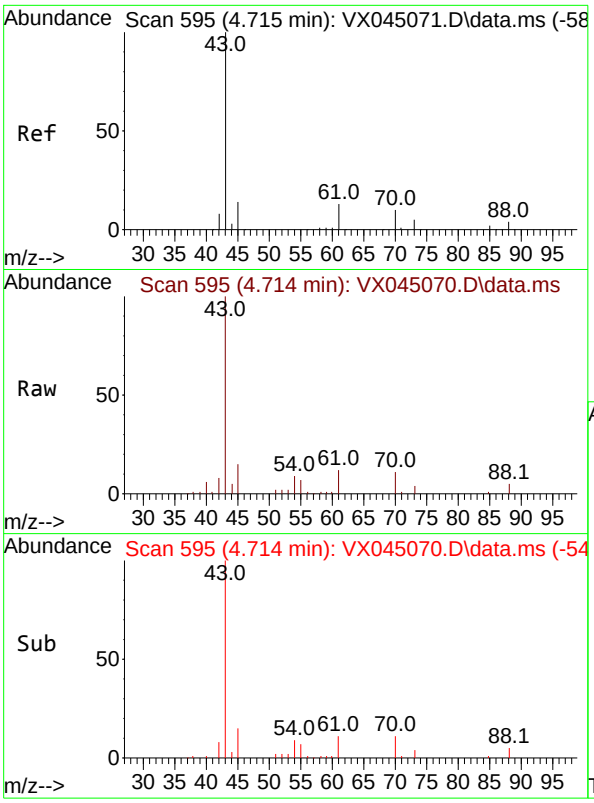


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7

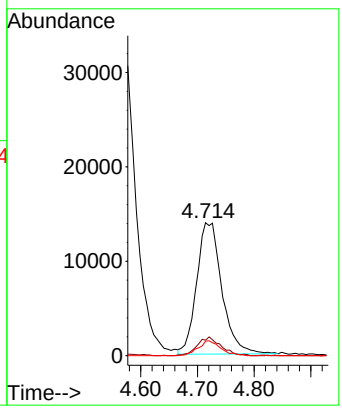




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

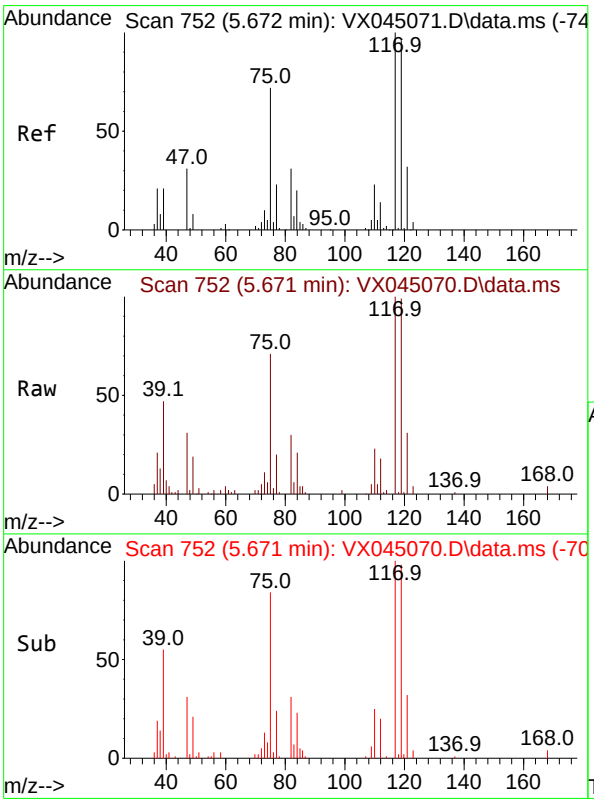
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

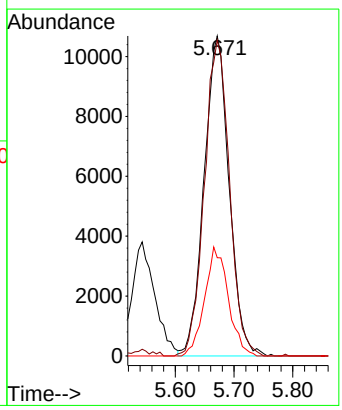
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

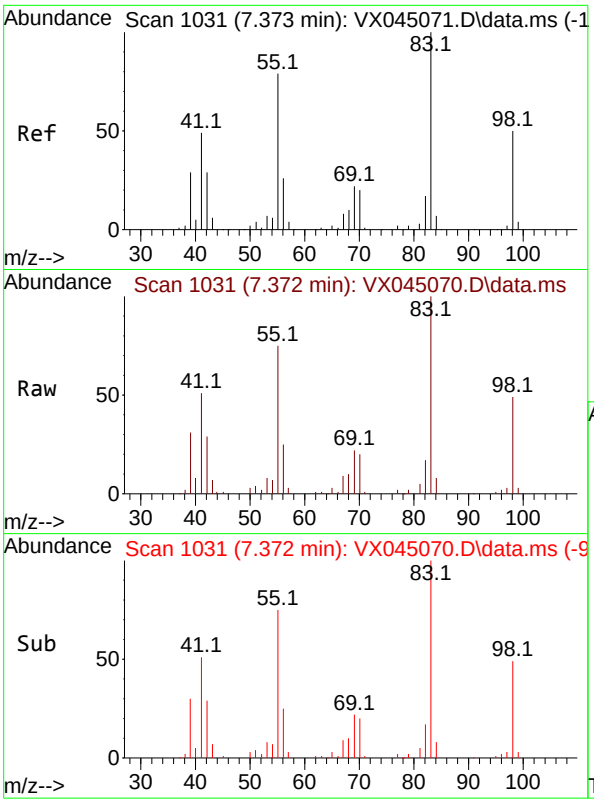


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3

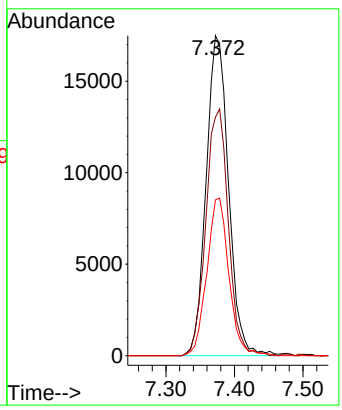




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

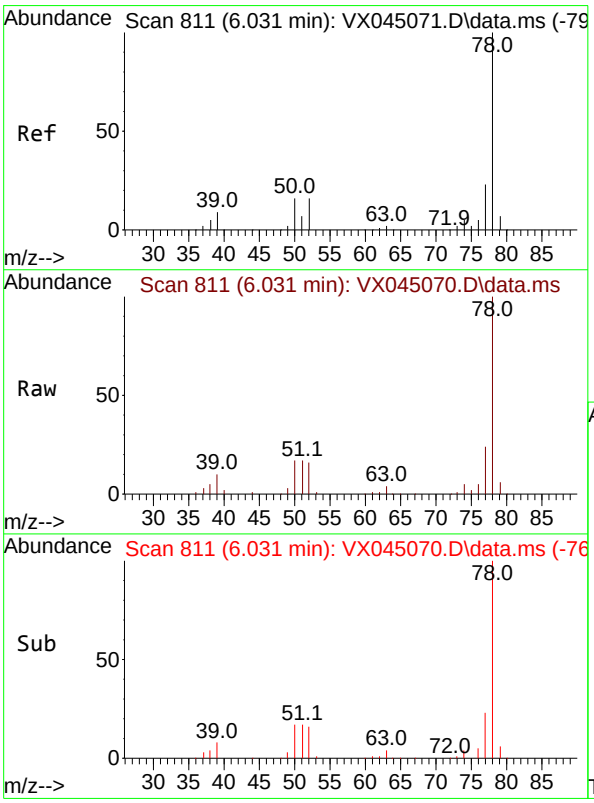
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

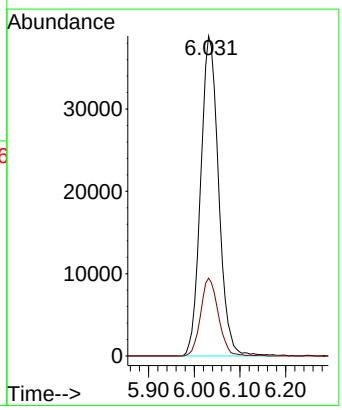
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

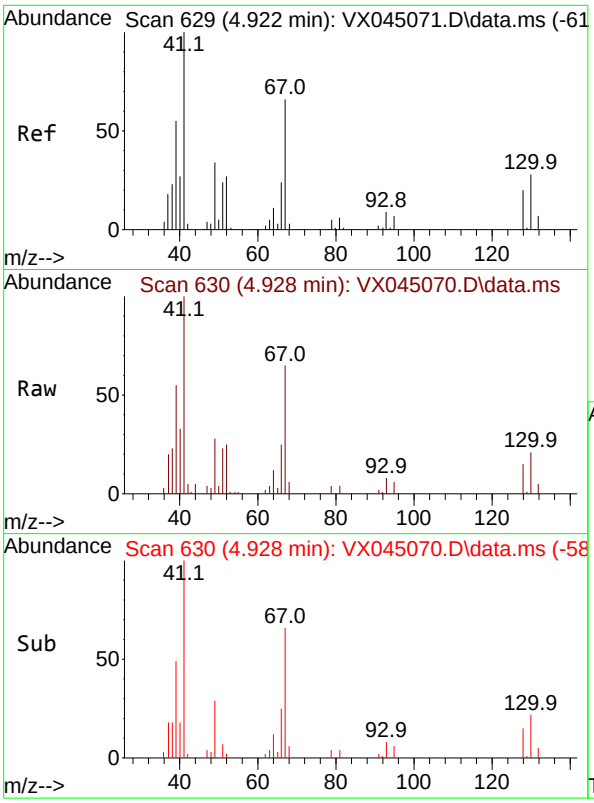


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

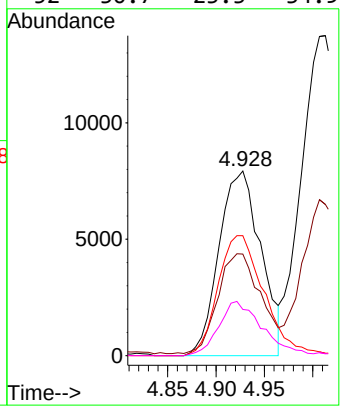




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

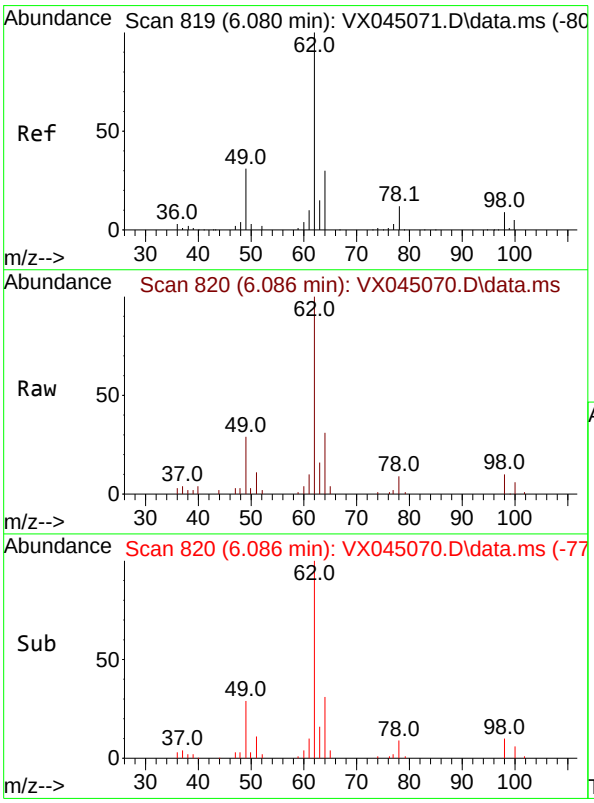
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

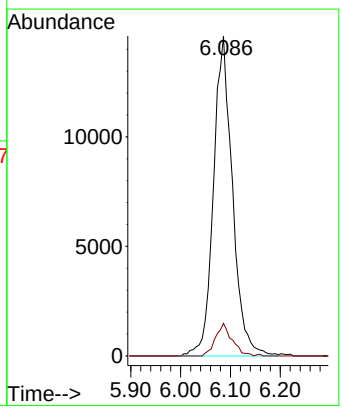
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

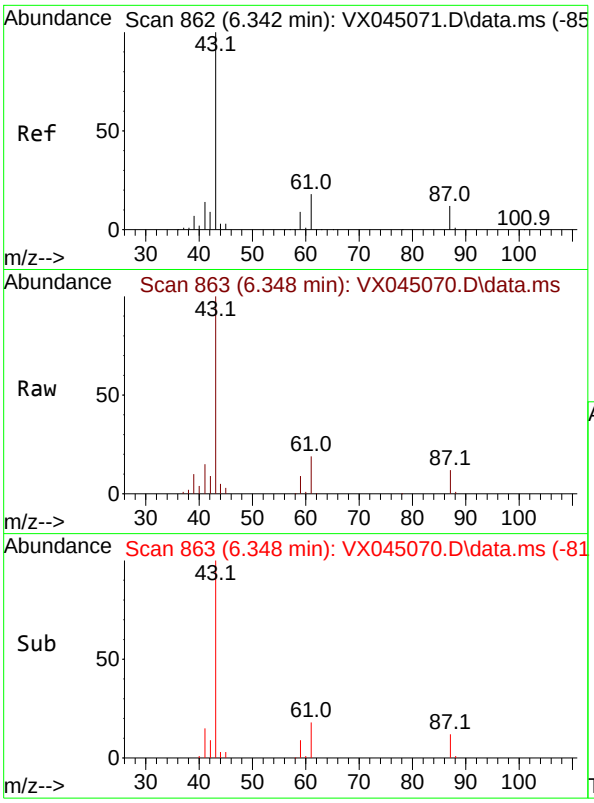


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

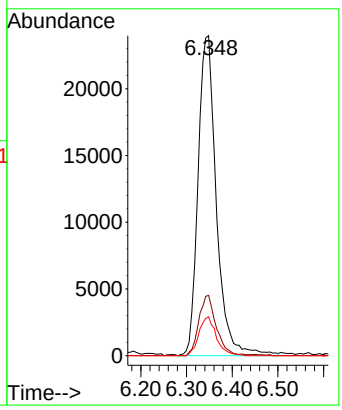
Tgt Ion: 43 Resp: 6672

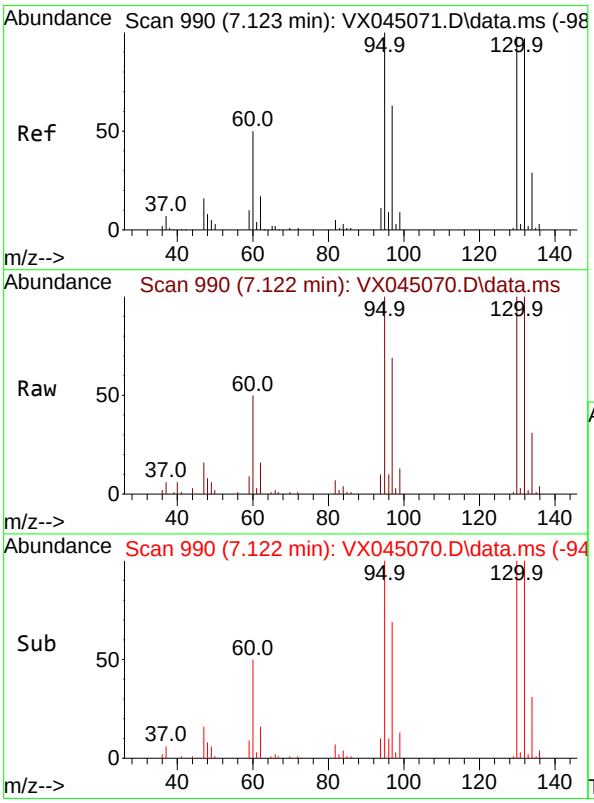
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

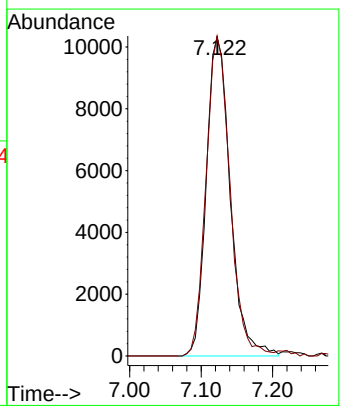


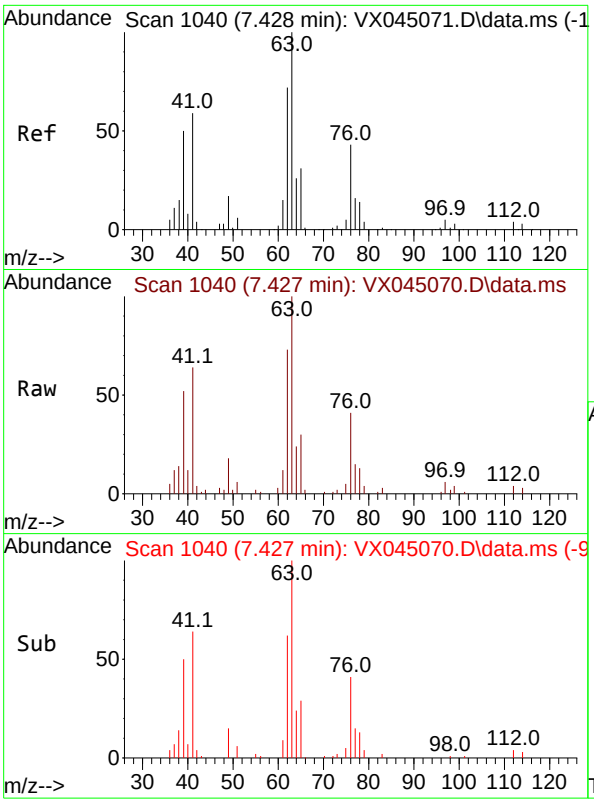


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

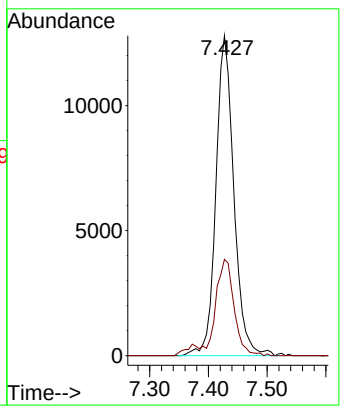




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

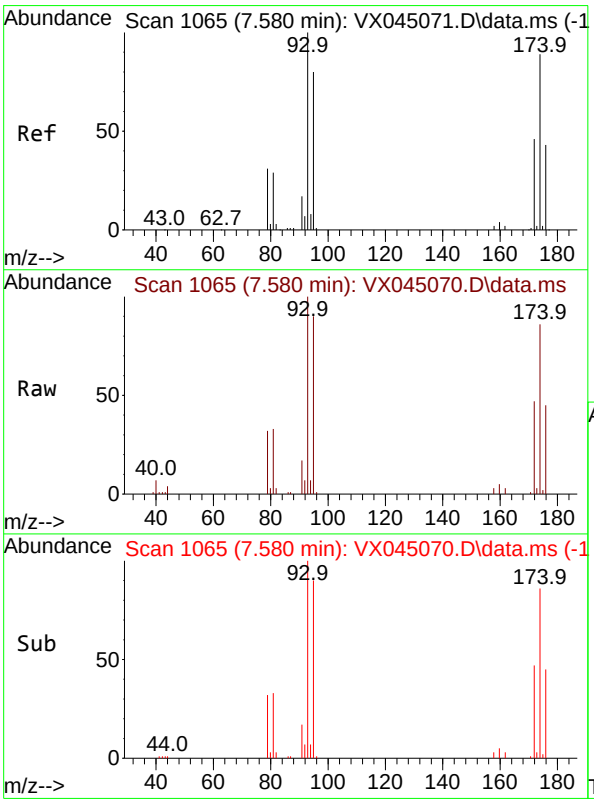
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

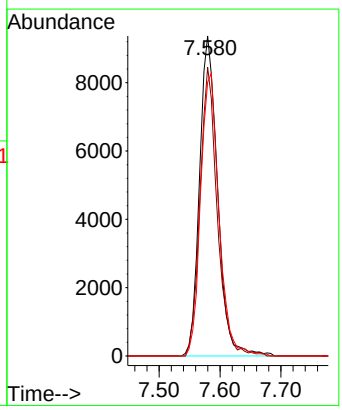
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

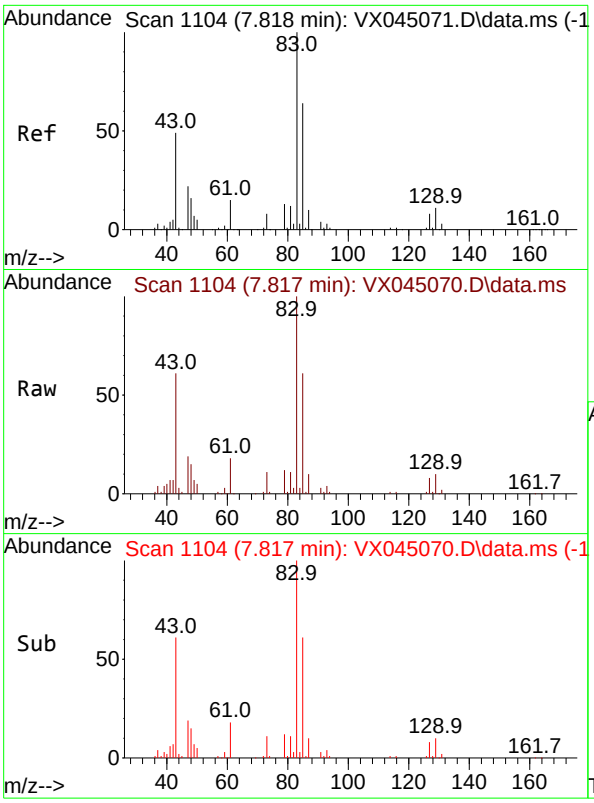


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2

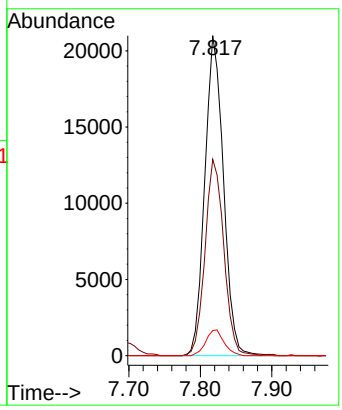




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

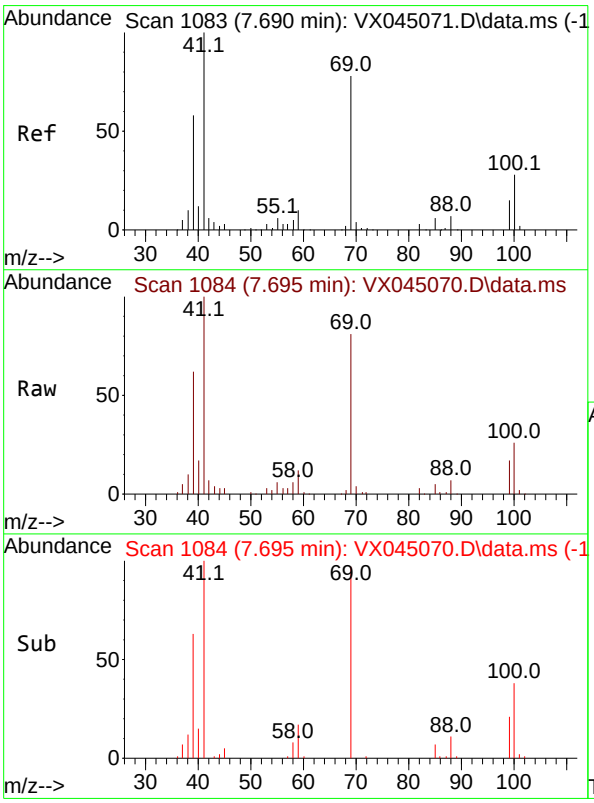
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

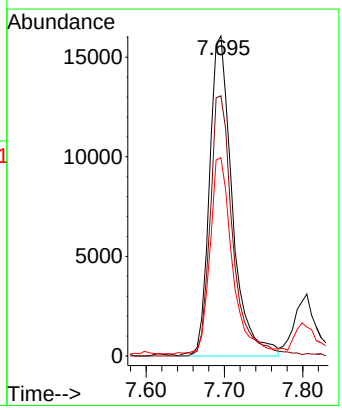
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

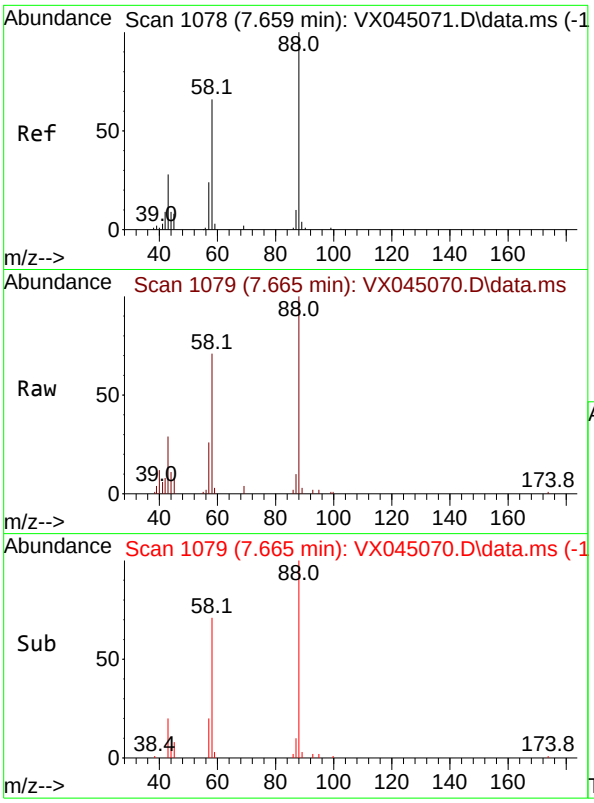


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3

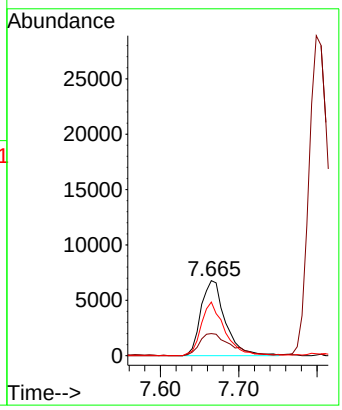




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

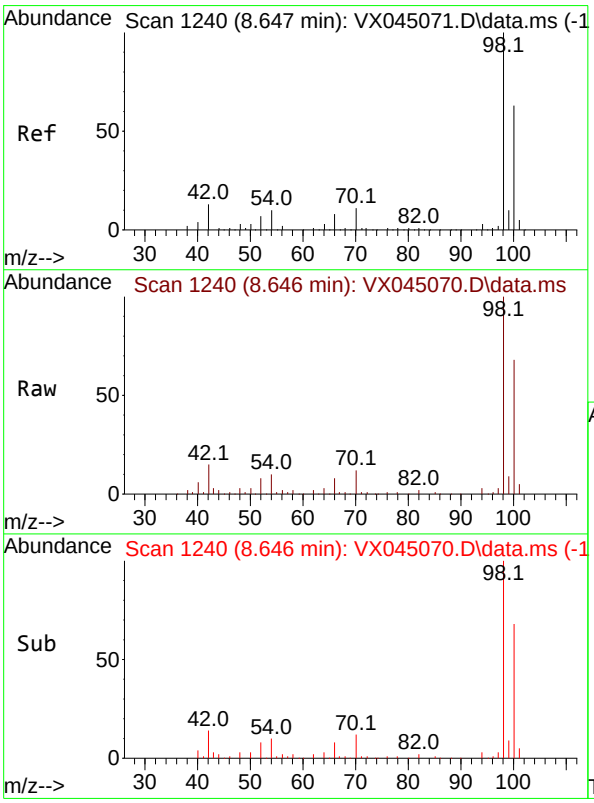
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

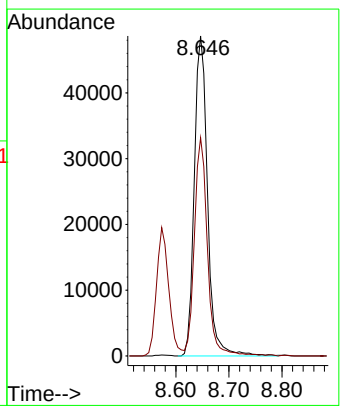
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

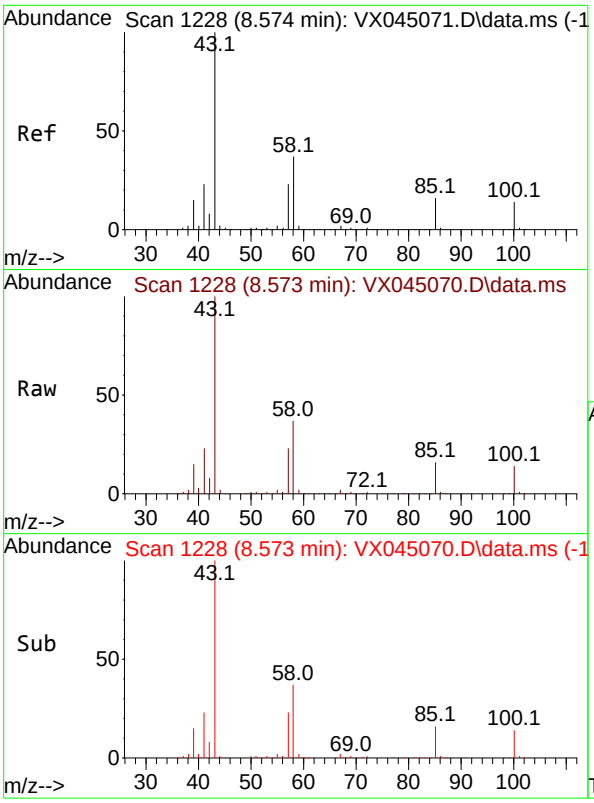


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

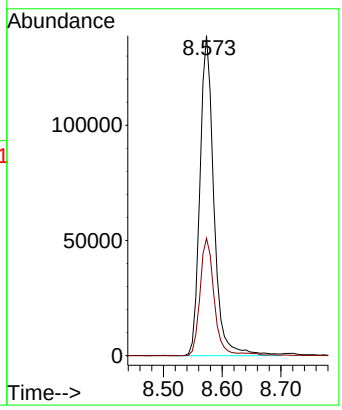




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

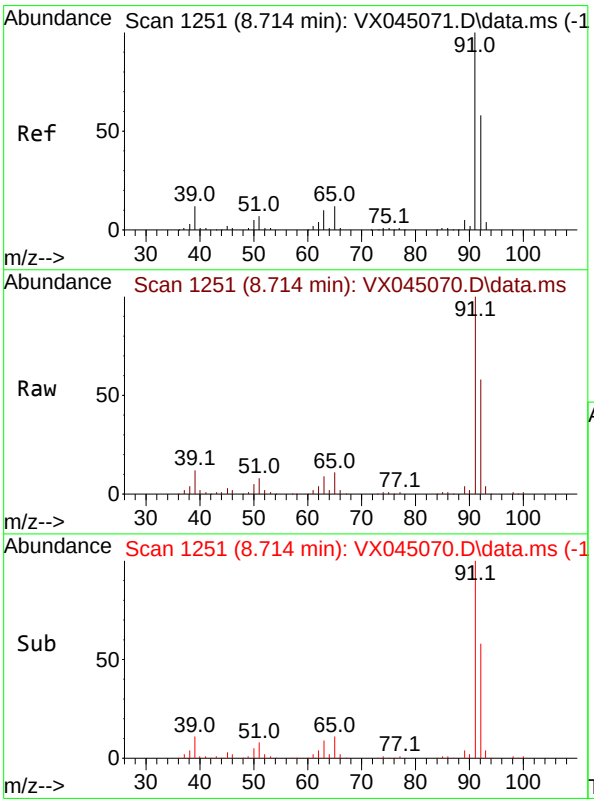
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

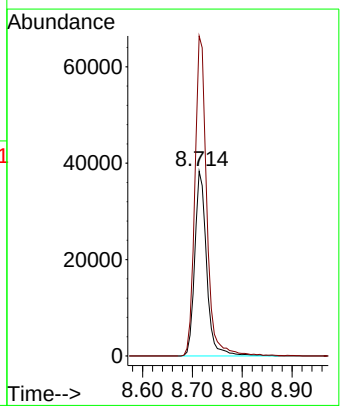
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

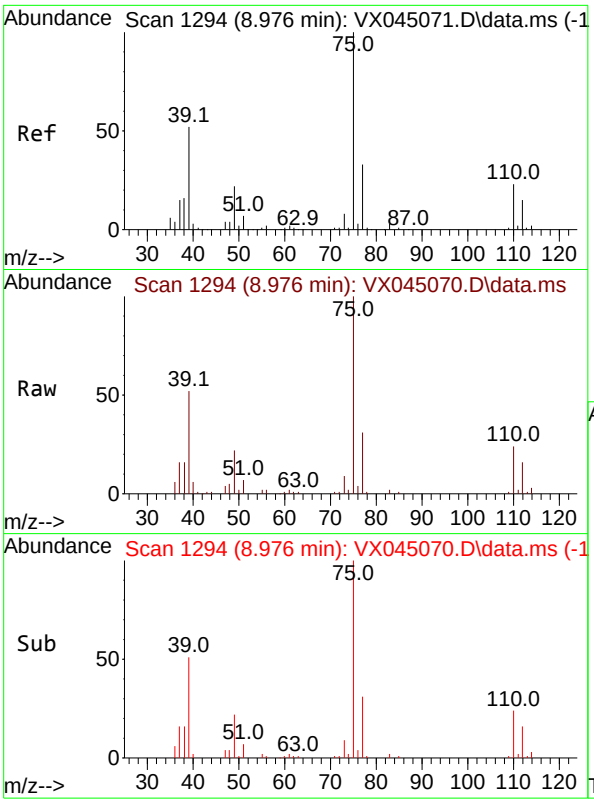


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

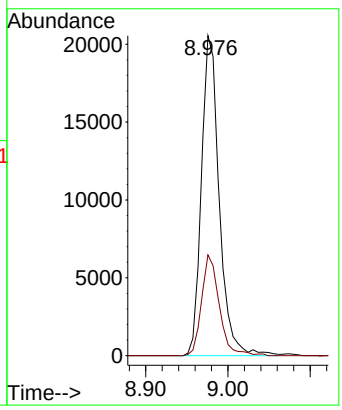




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

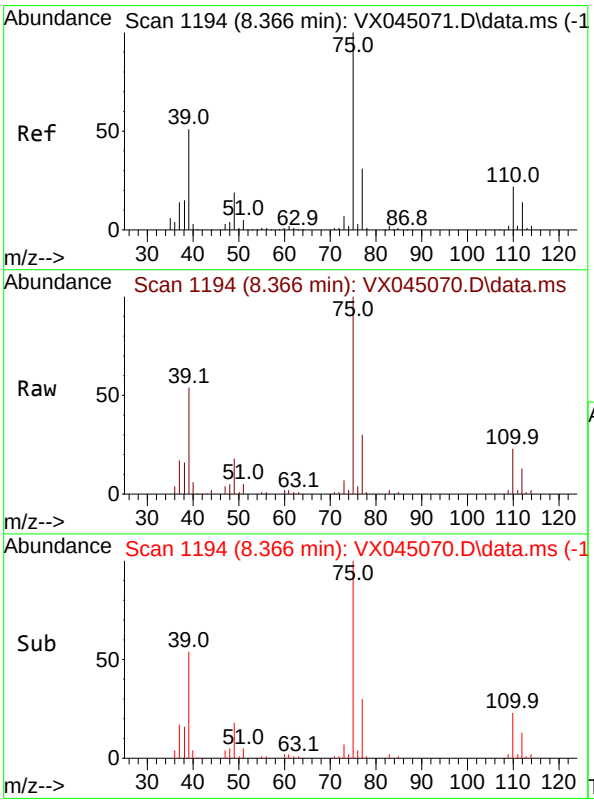
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

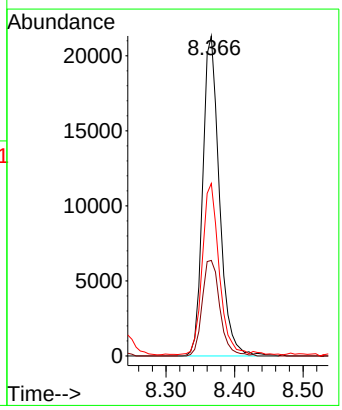
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

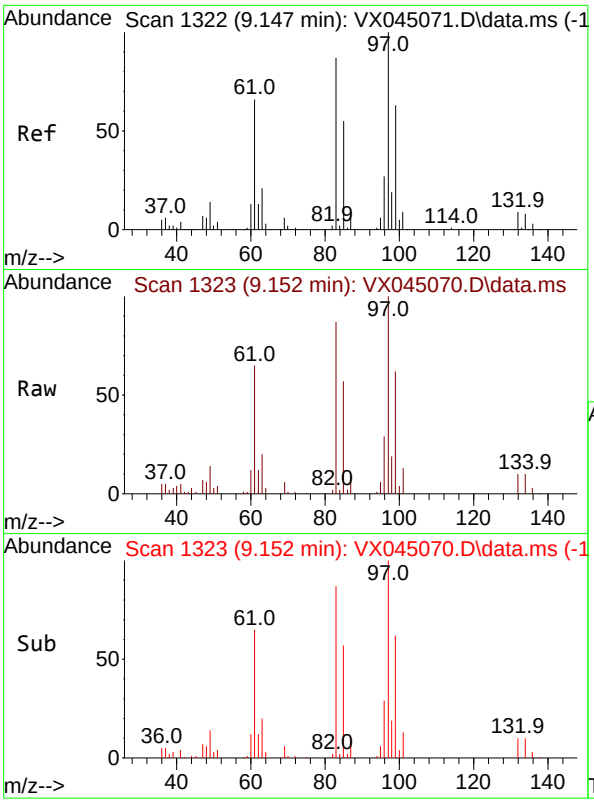


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1

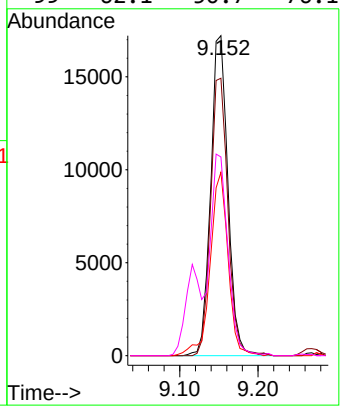




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

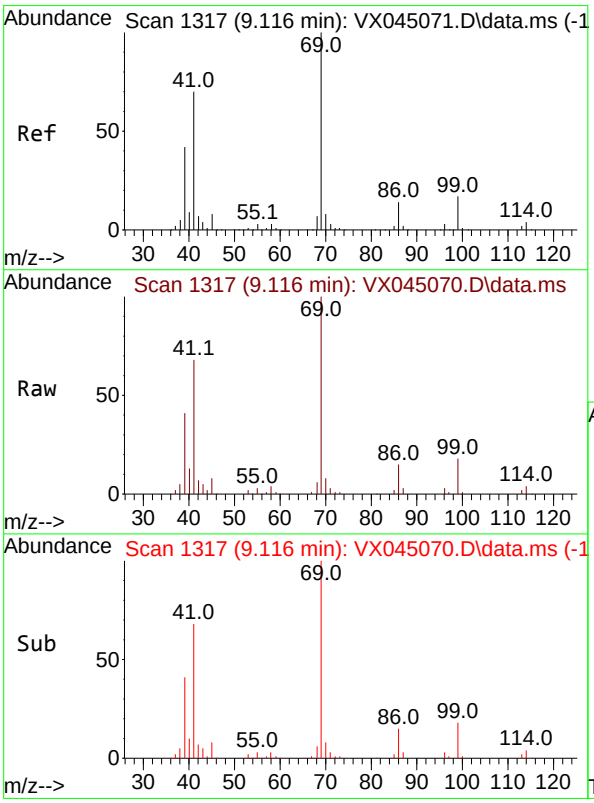
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

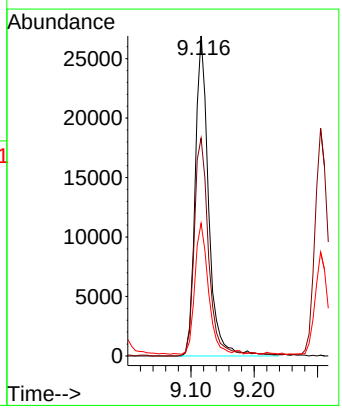
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

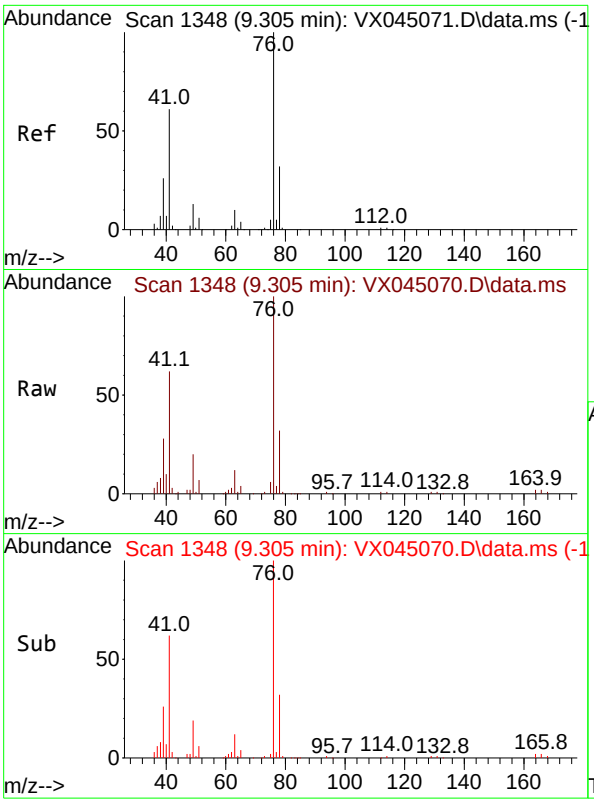


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4

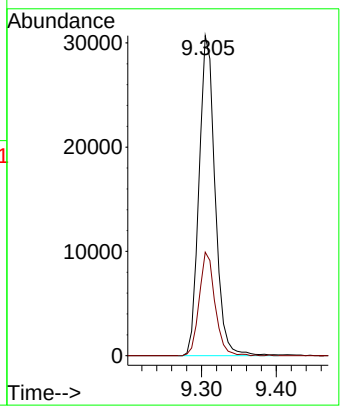




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

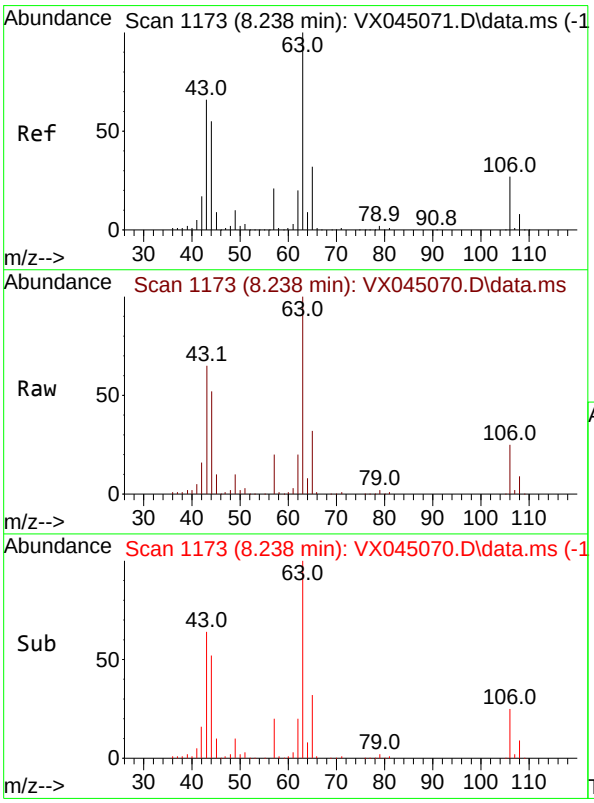
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

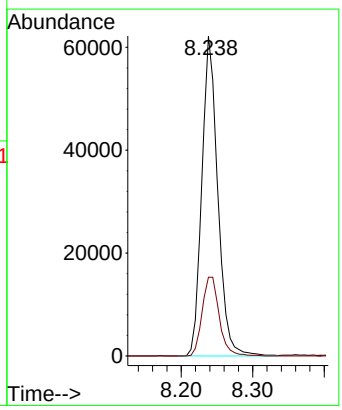
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

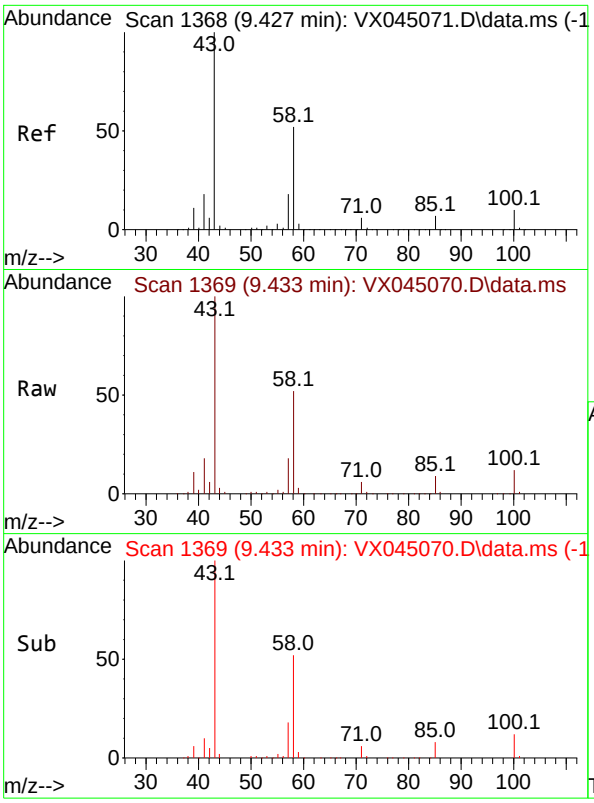


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

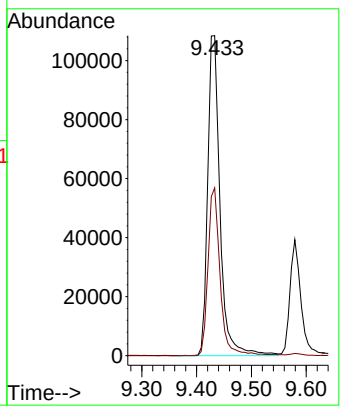
Tgt Ion: 43 Resp: 16876

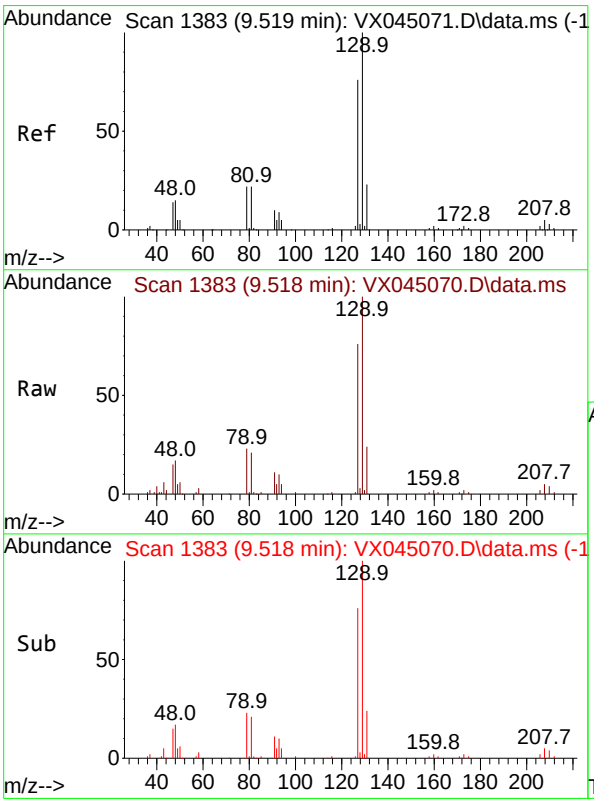
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

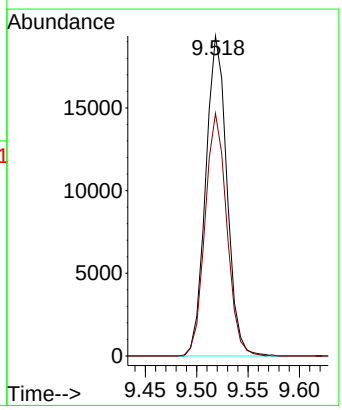


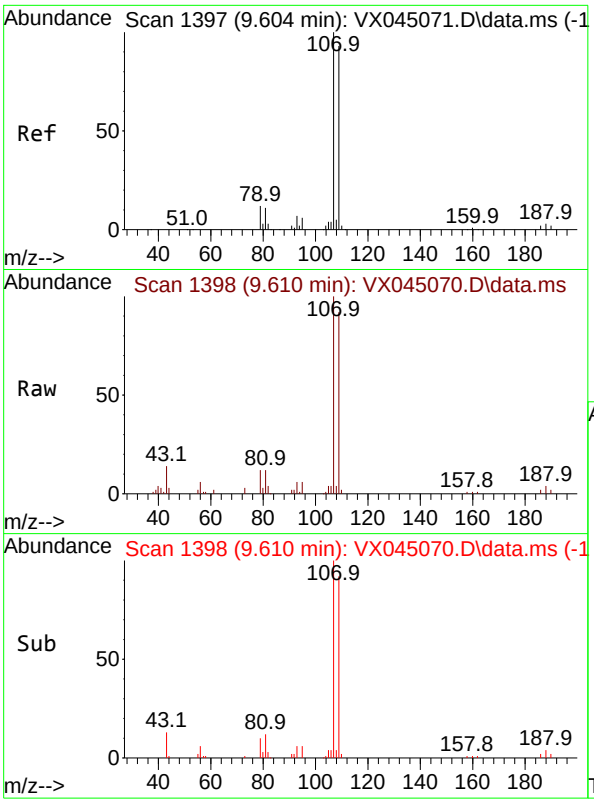


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

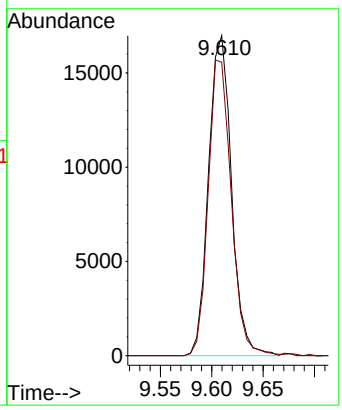




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

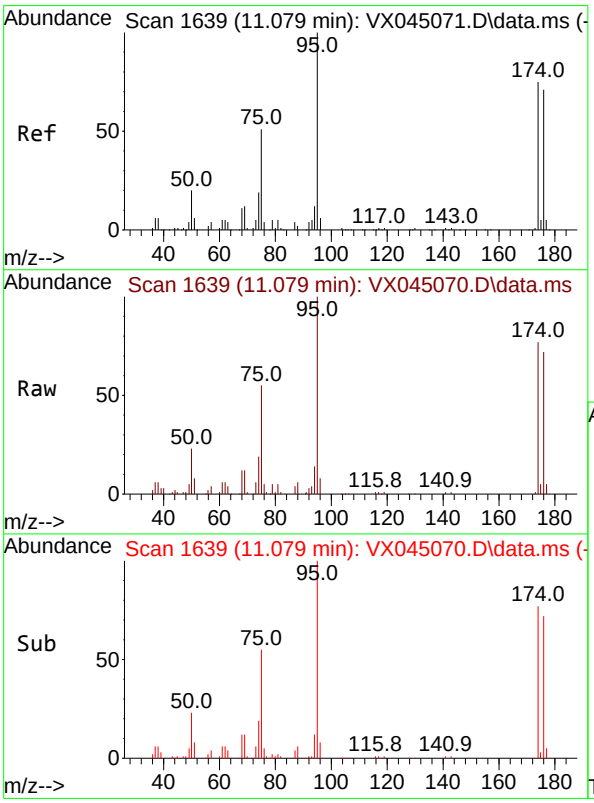
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

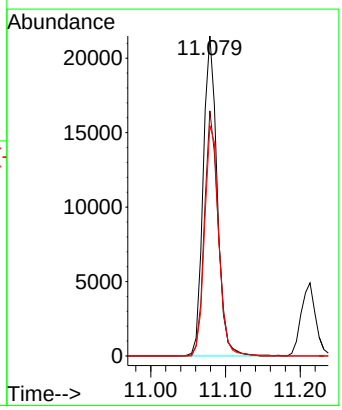
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

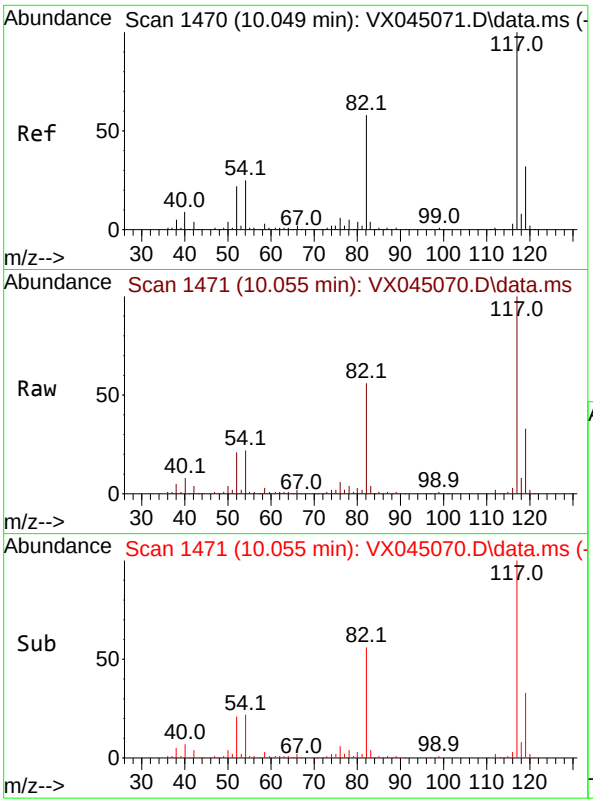


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4

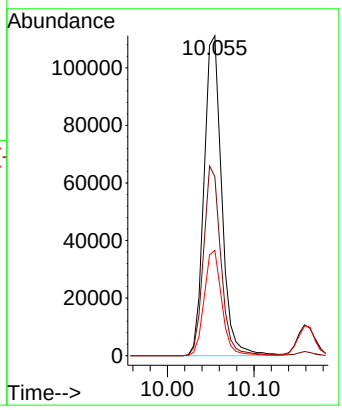




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

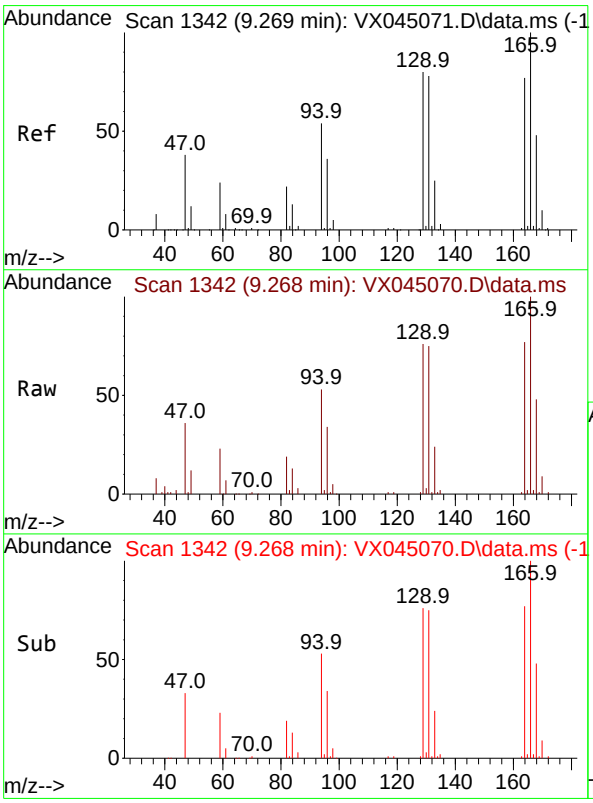
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

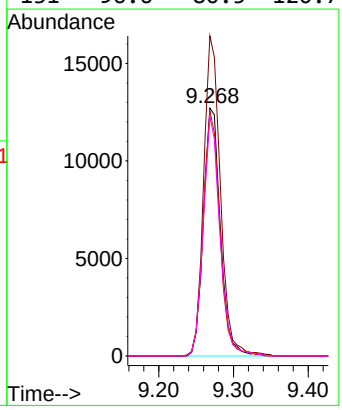
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

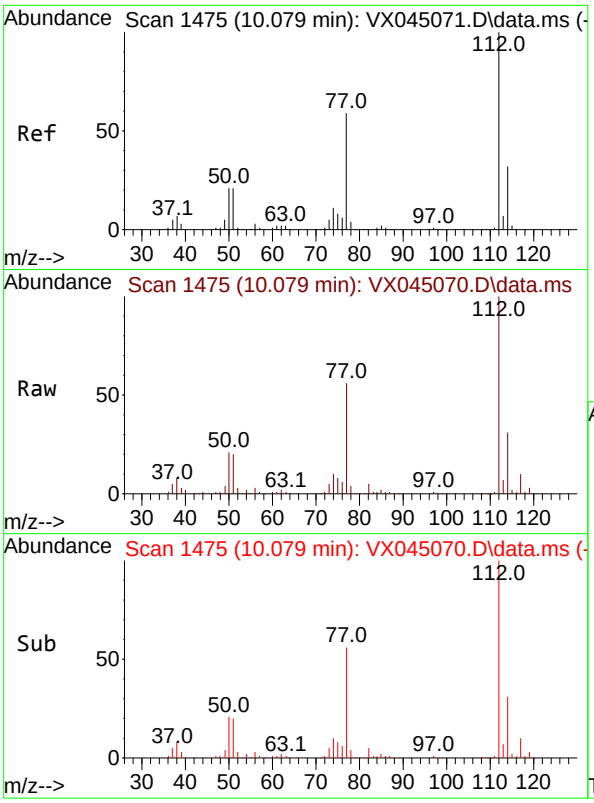


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7

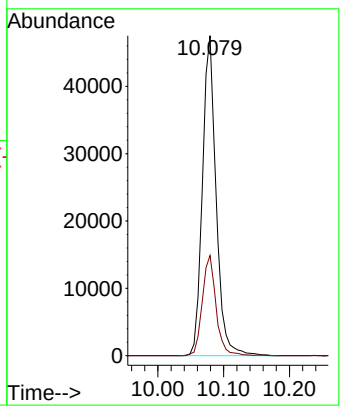




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

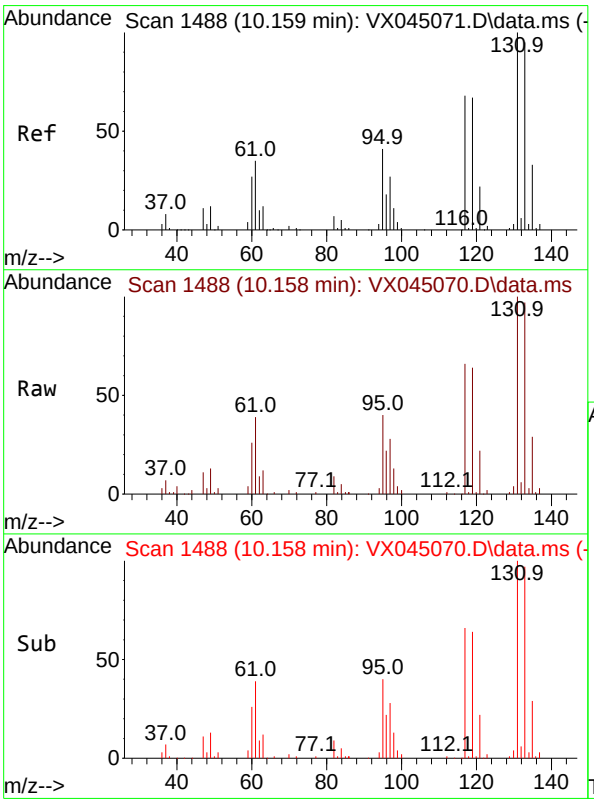
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

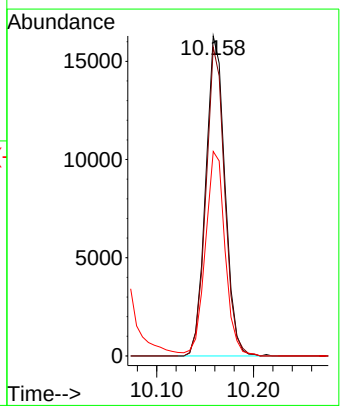
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

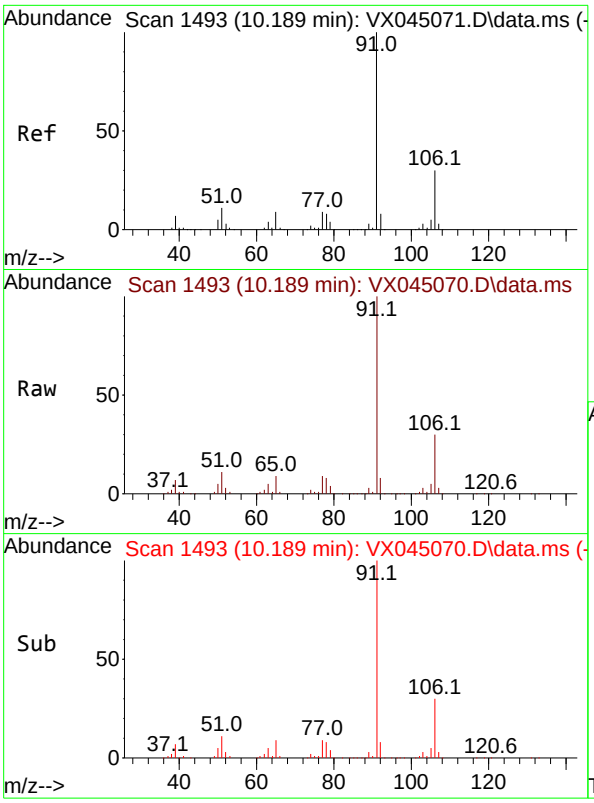


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7

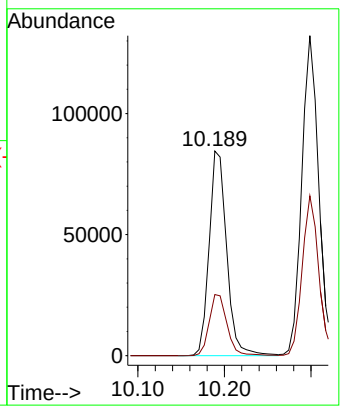




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

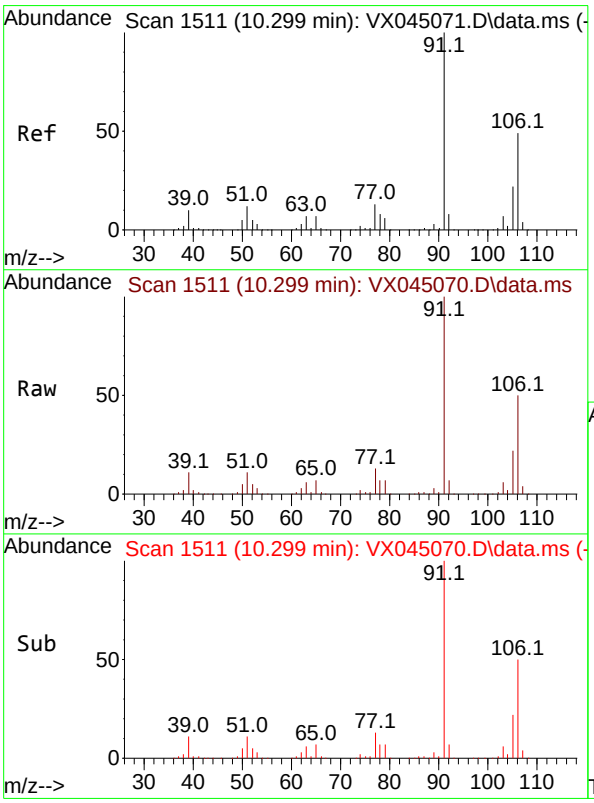
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

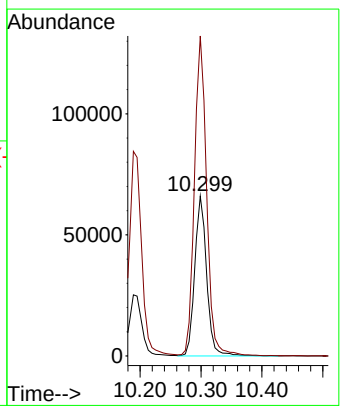
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

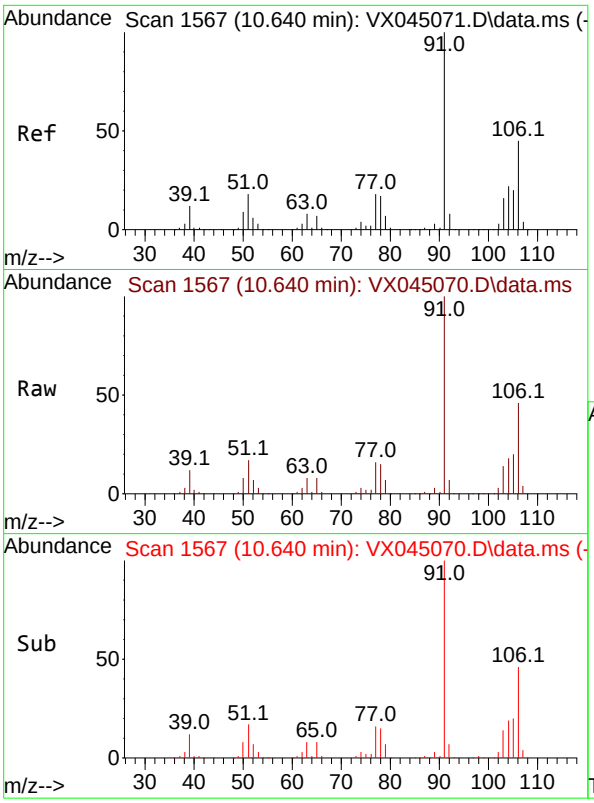


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

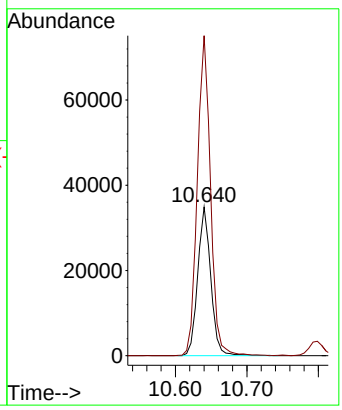




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

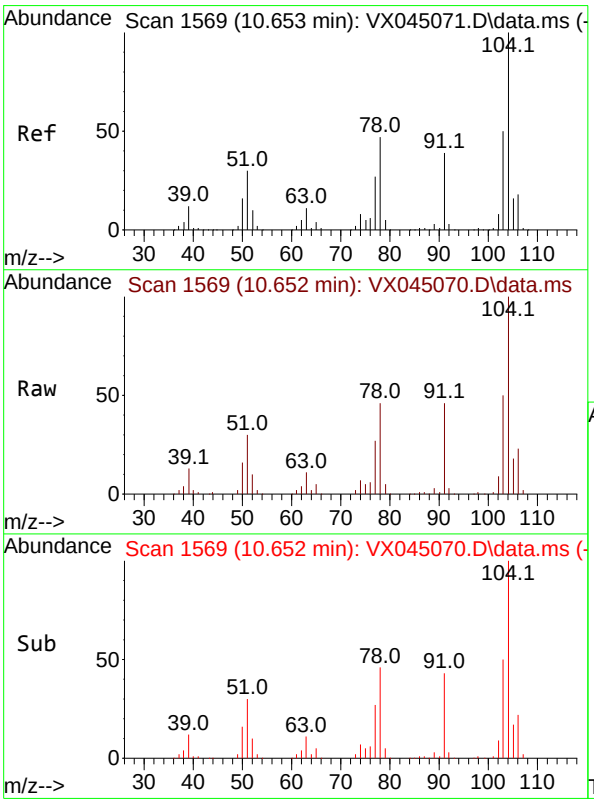
Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

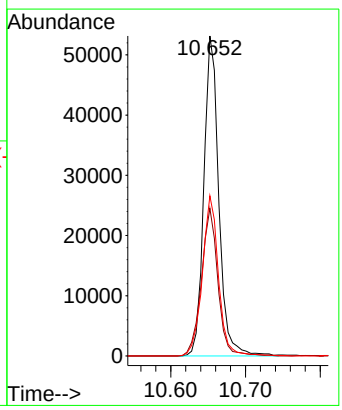
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

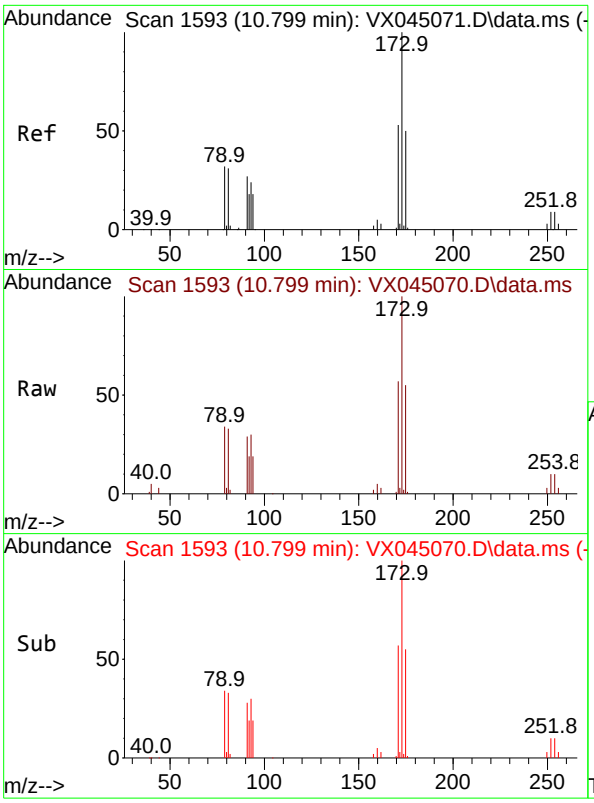


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8

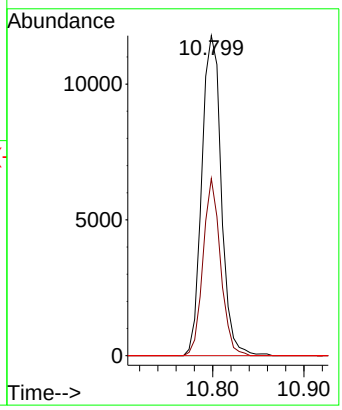




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

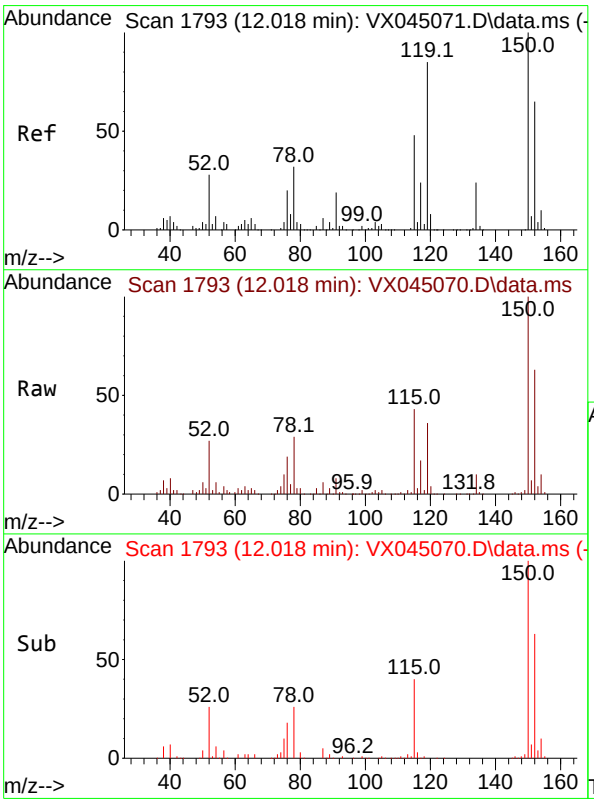
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

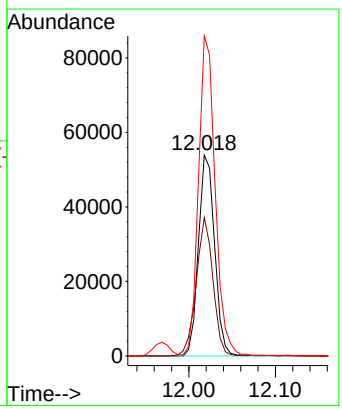
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

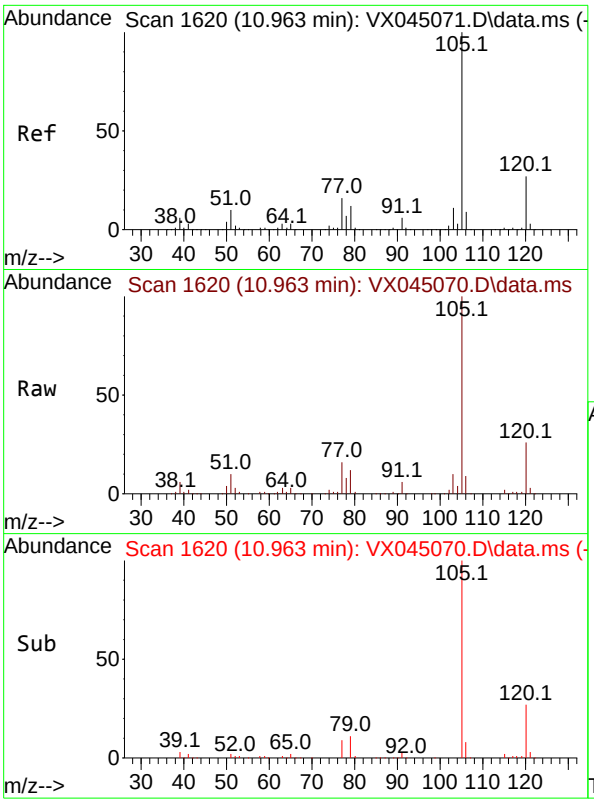


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0

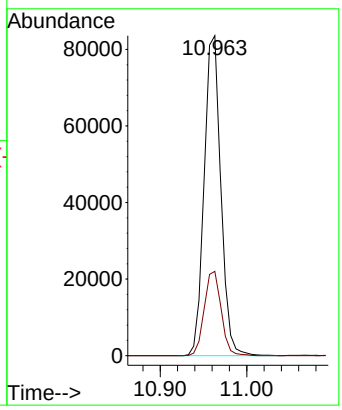




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

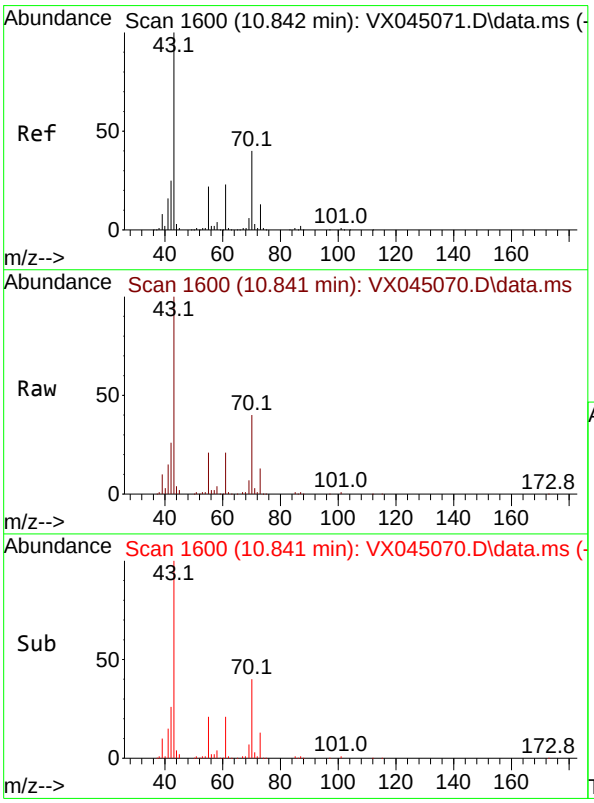
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

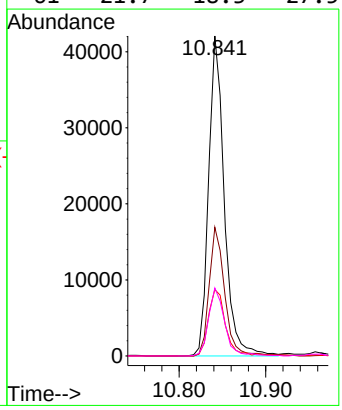
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

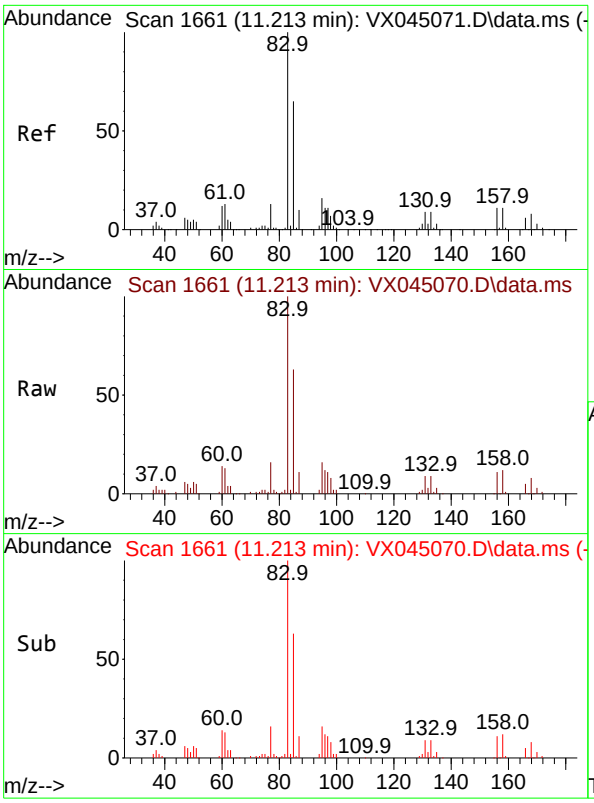


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5

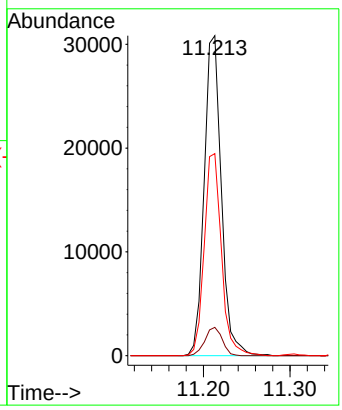




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

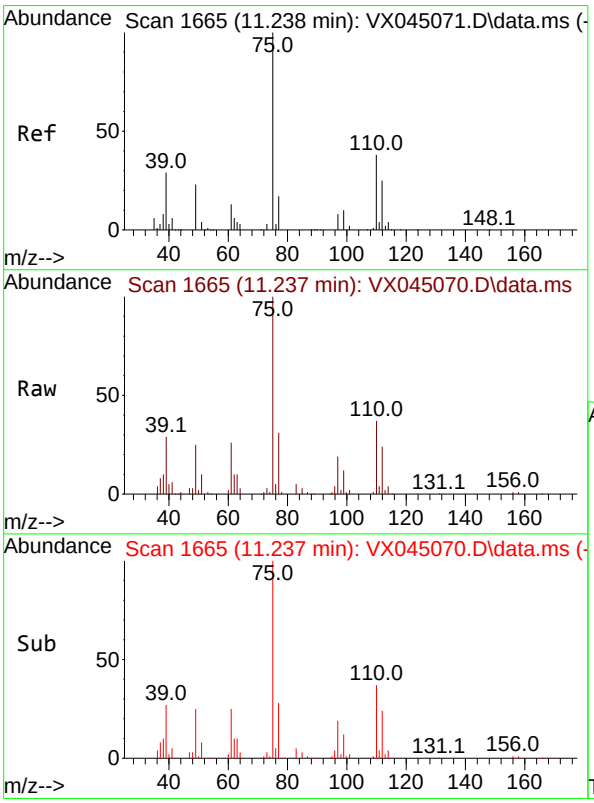
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

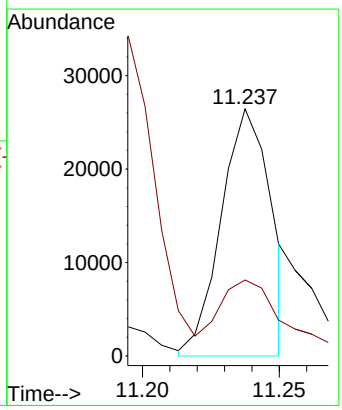
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

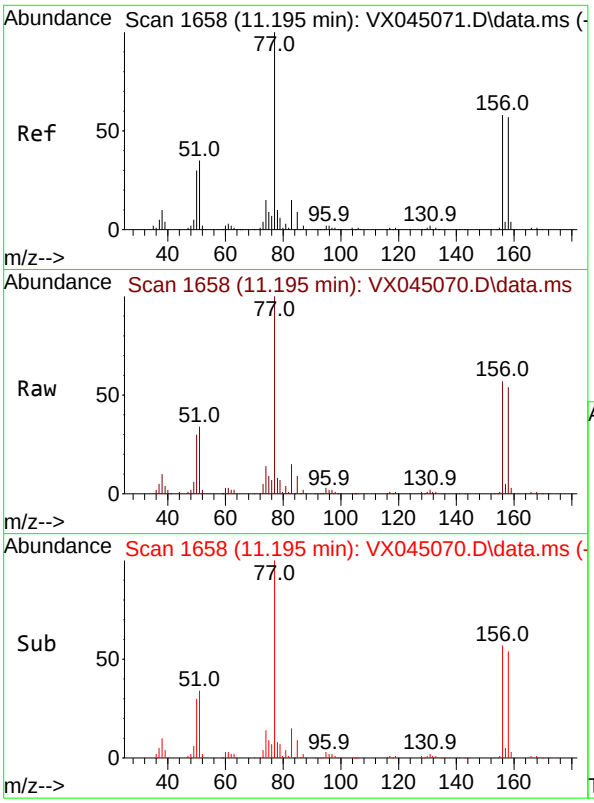


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

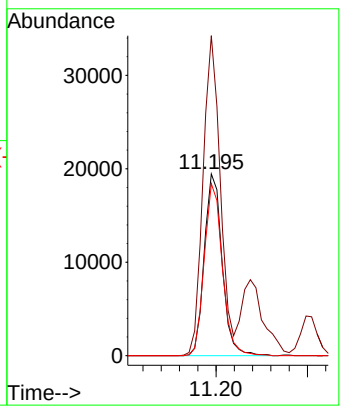




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

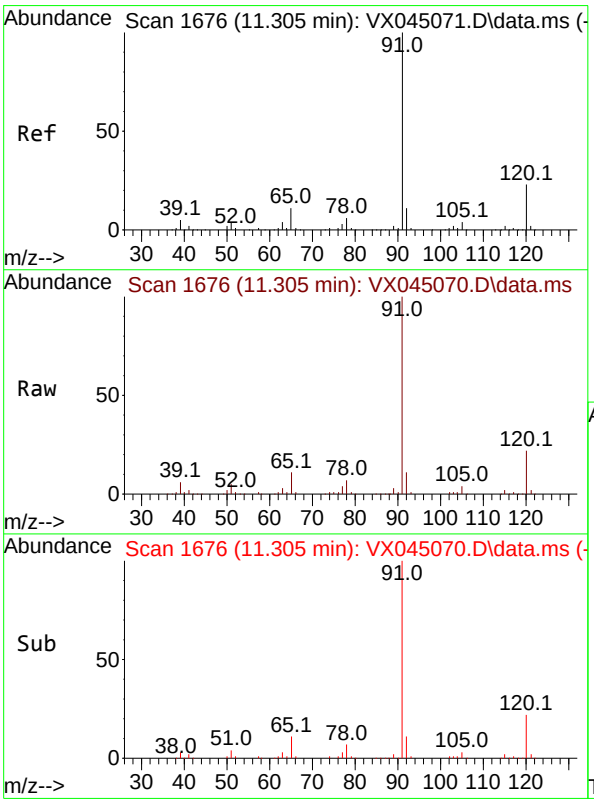
Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

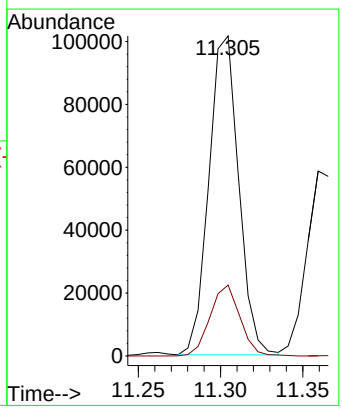
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

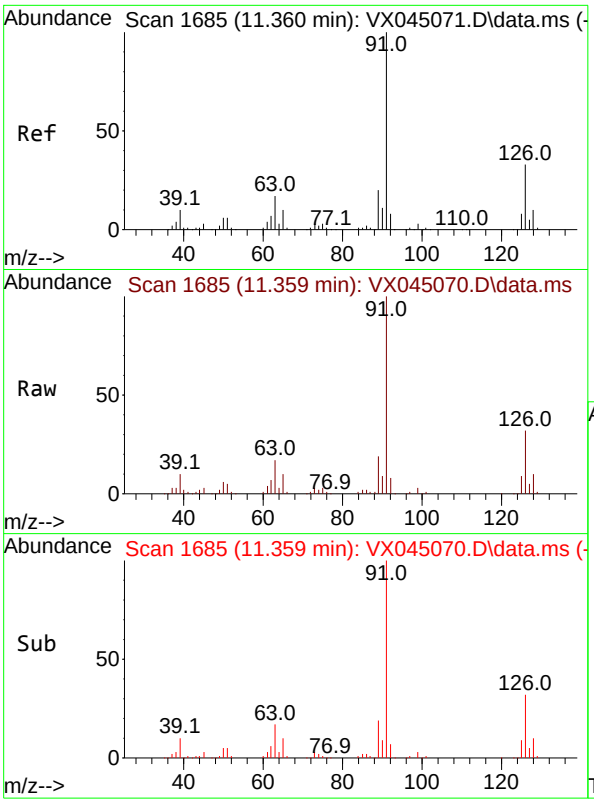


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6





#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

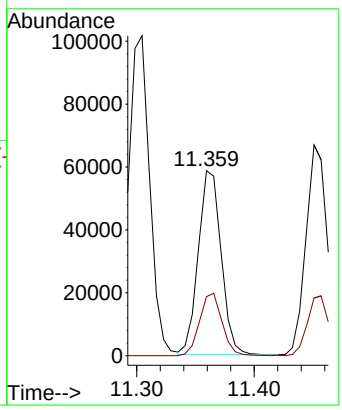
Tgt Ion: 91 Resp: 7927

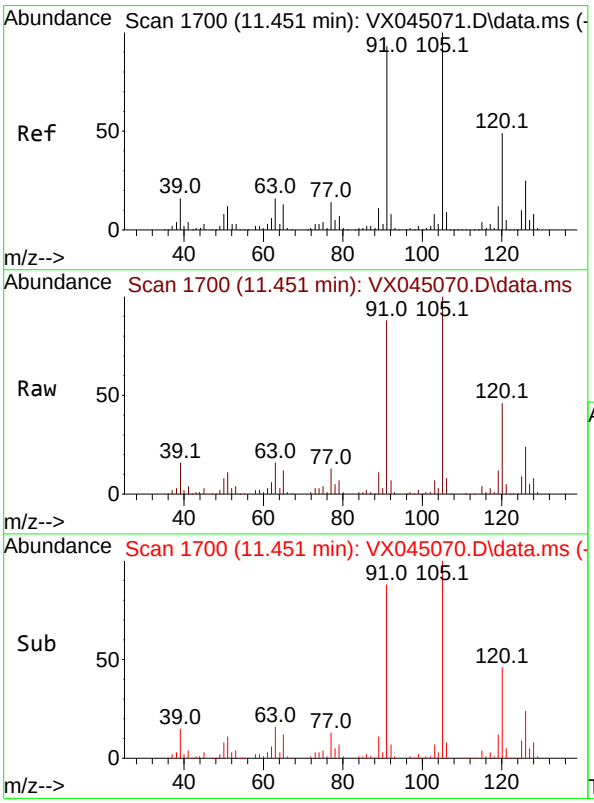
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

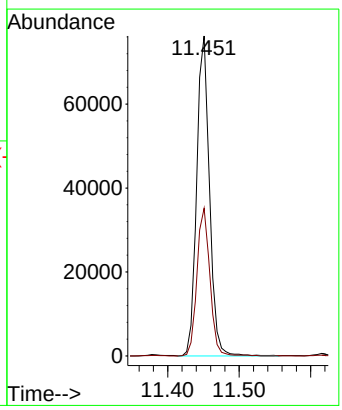


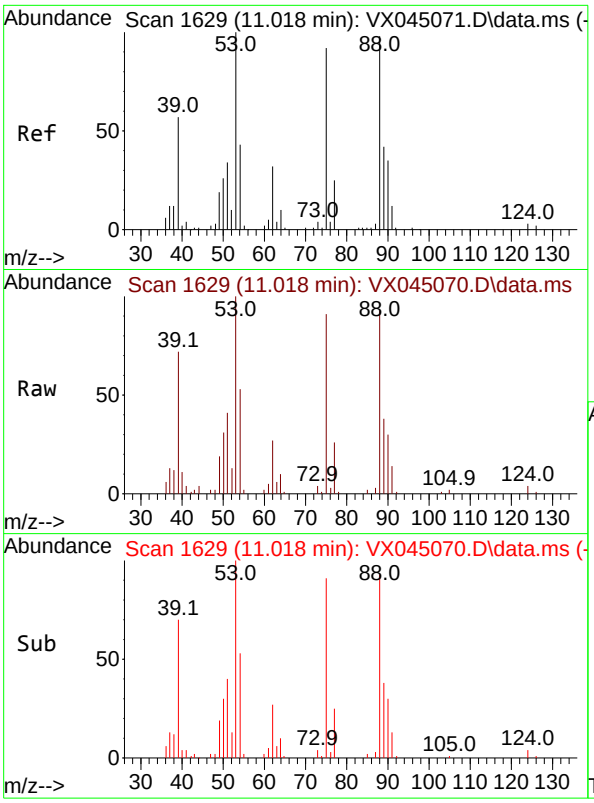


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

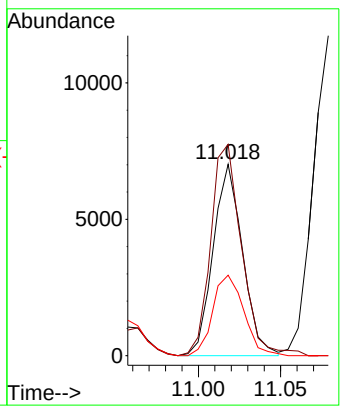
Tgt Ion: 75 Resp: 875

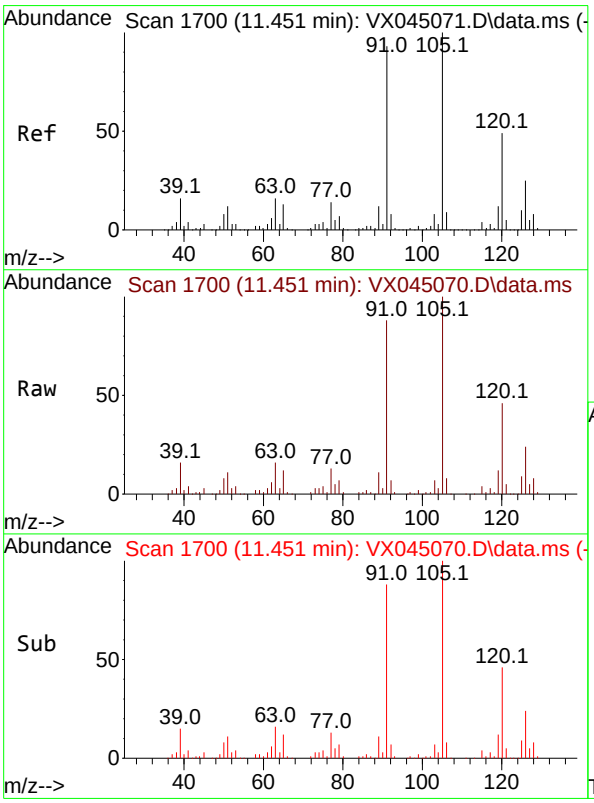
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

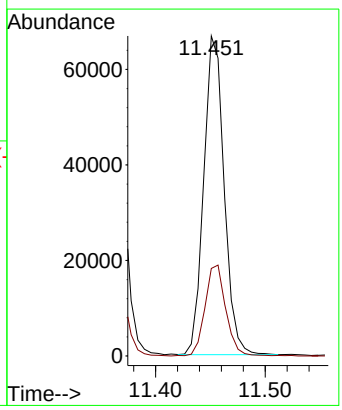


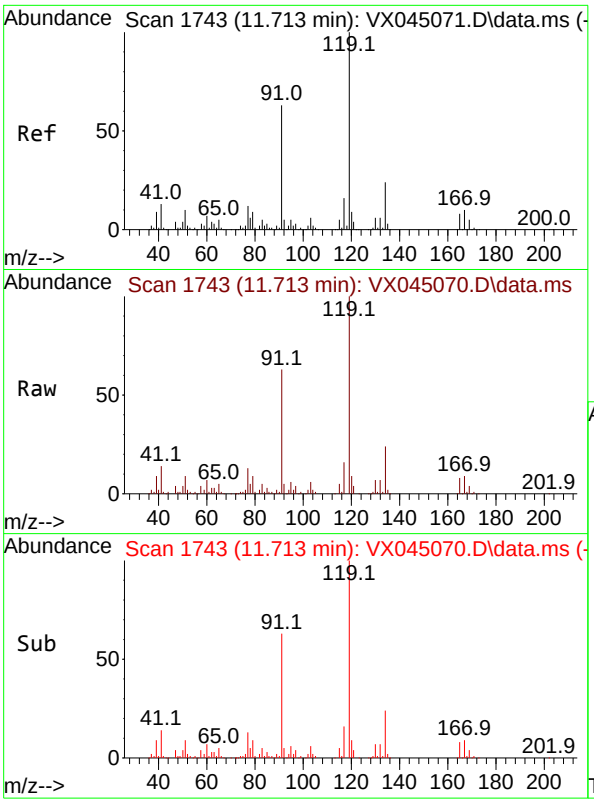


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

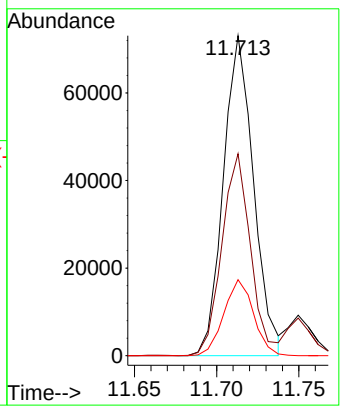




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

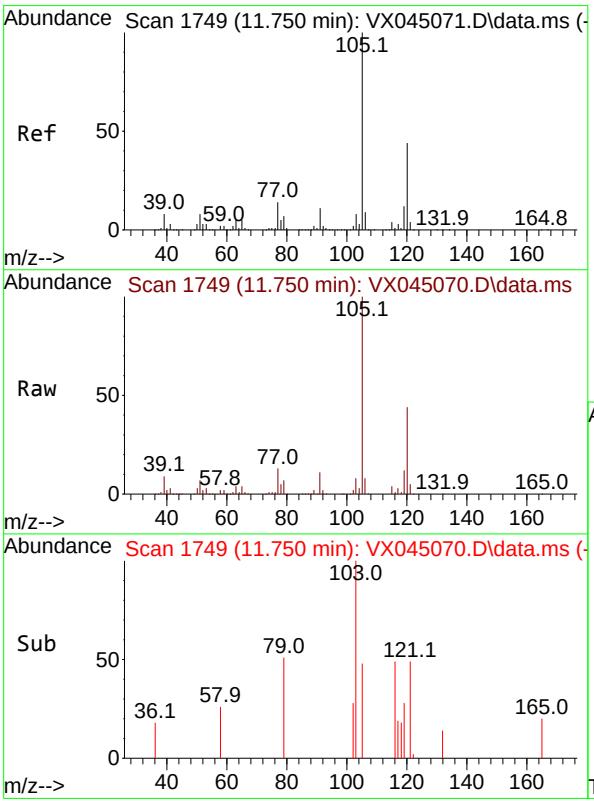
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

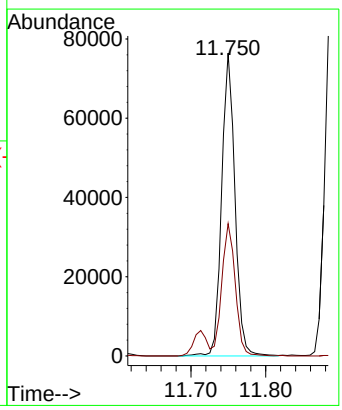
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

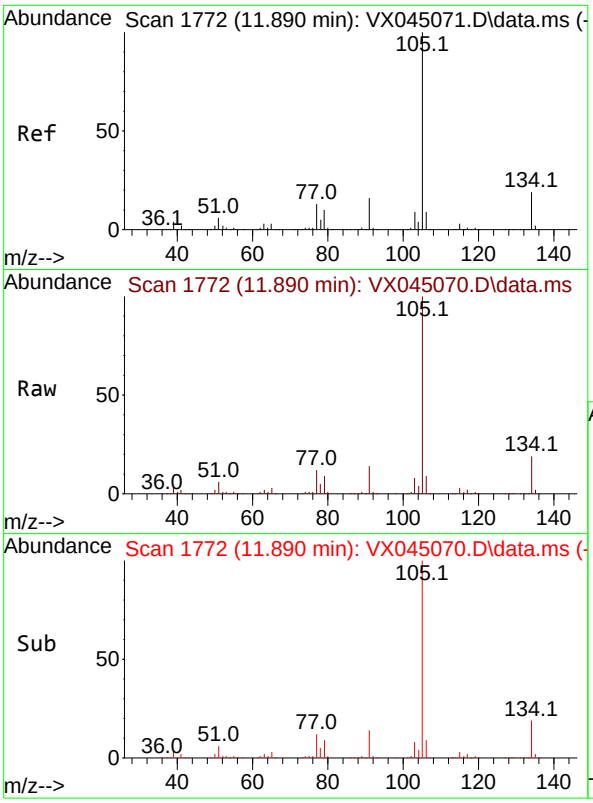


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

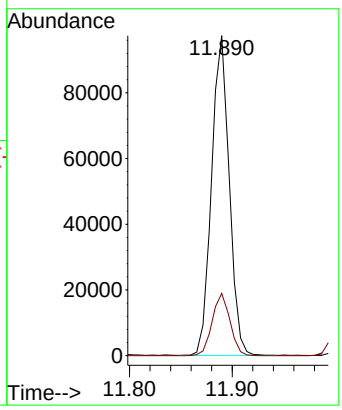




#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11595

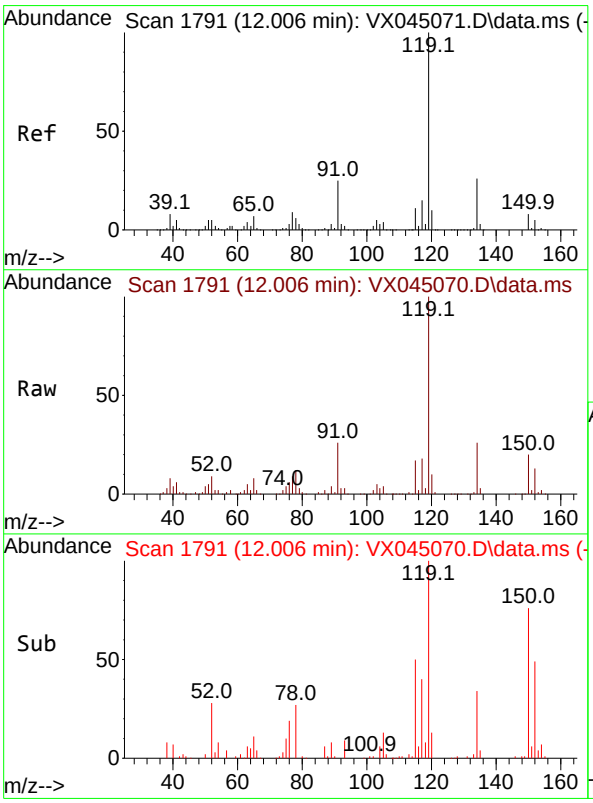
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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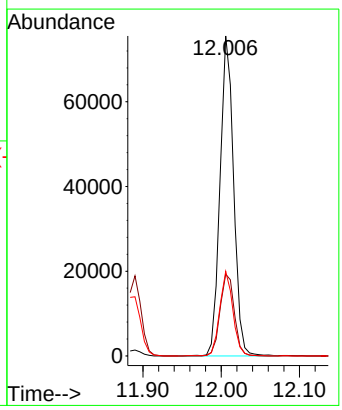
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

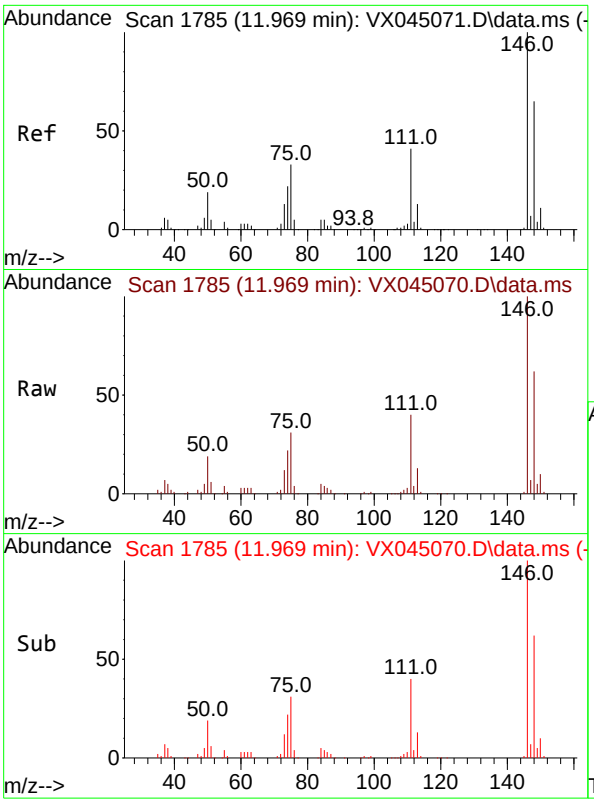


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0

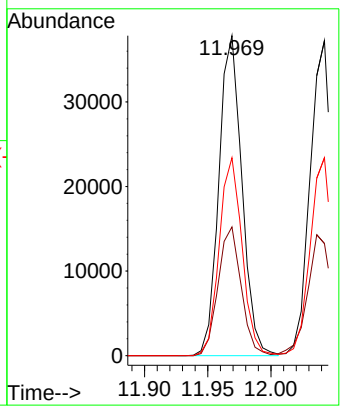




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

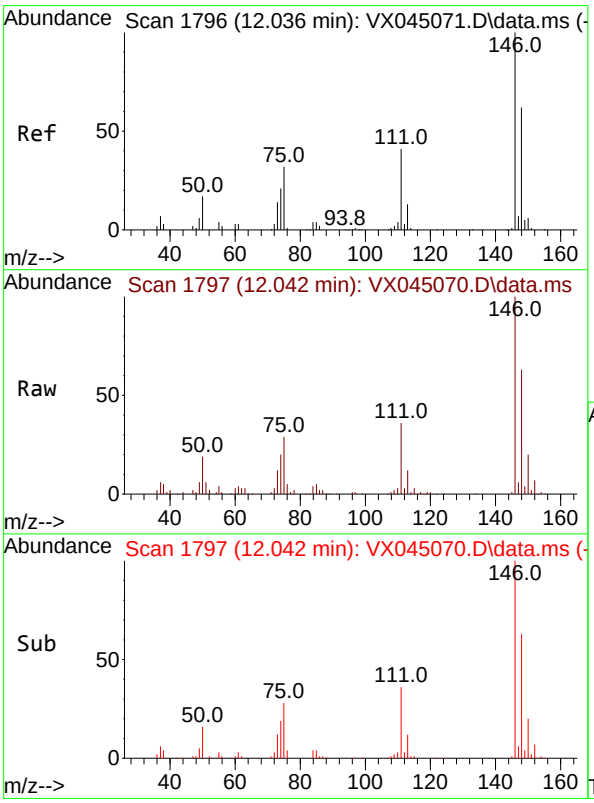
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

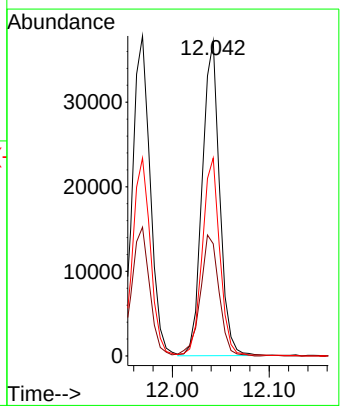
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

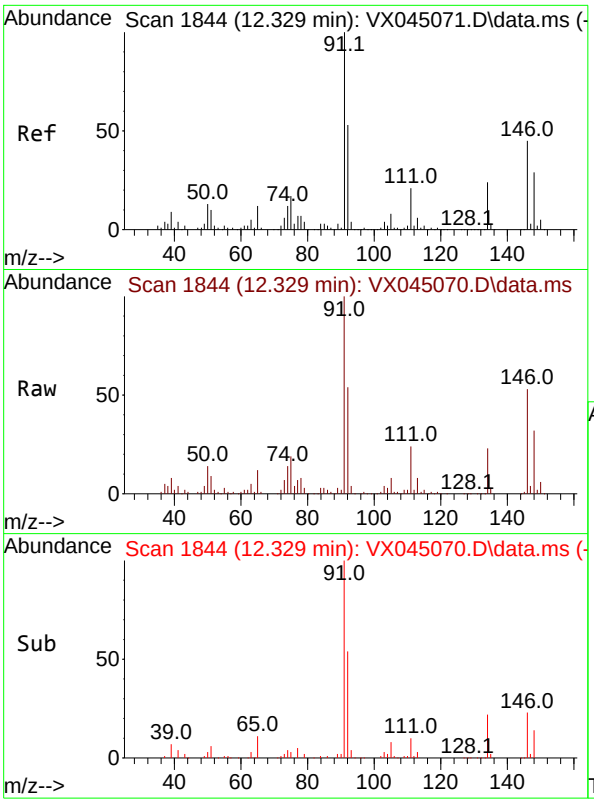


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9

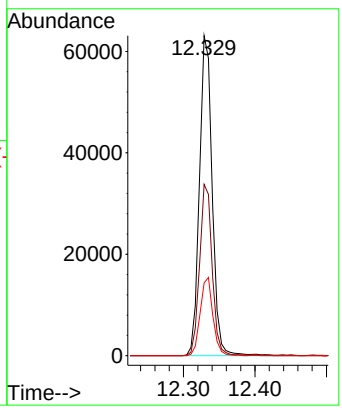




#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

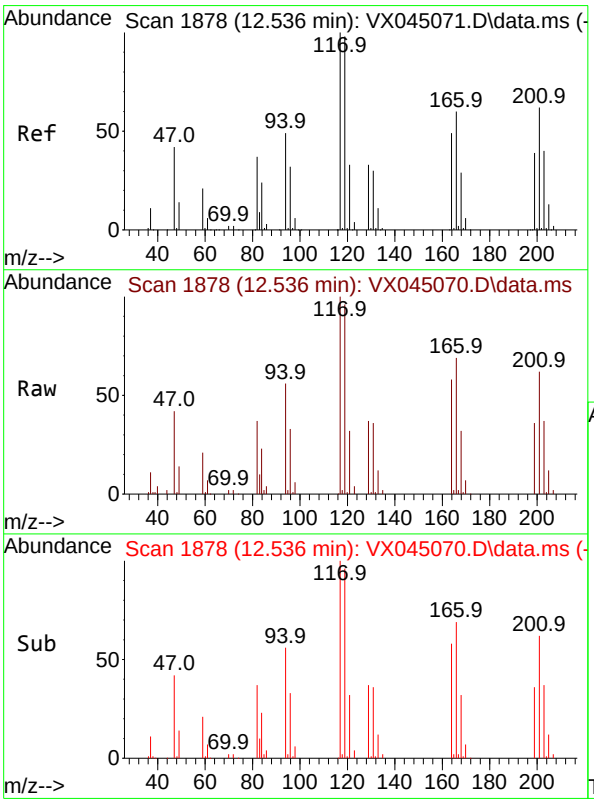
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

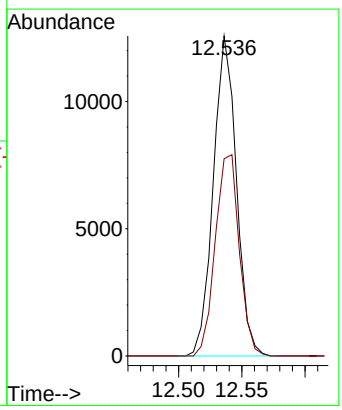
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

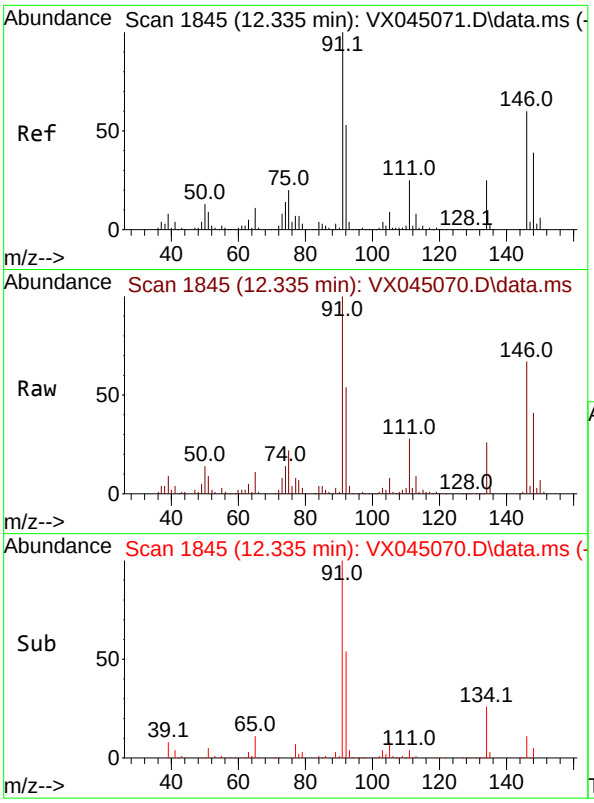


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

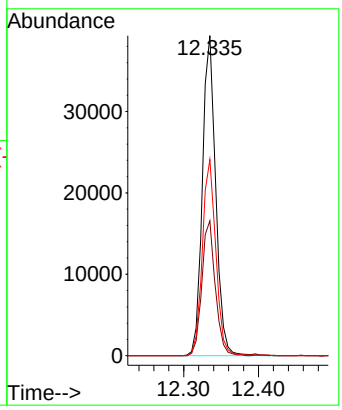




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

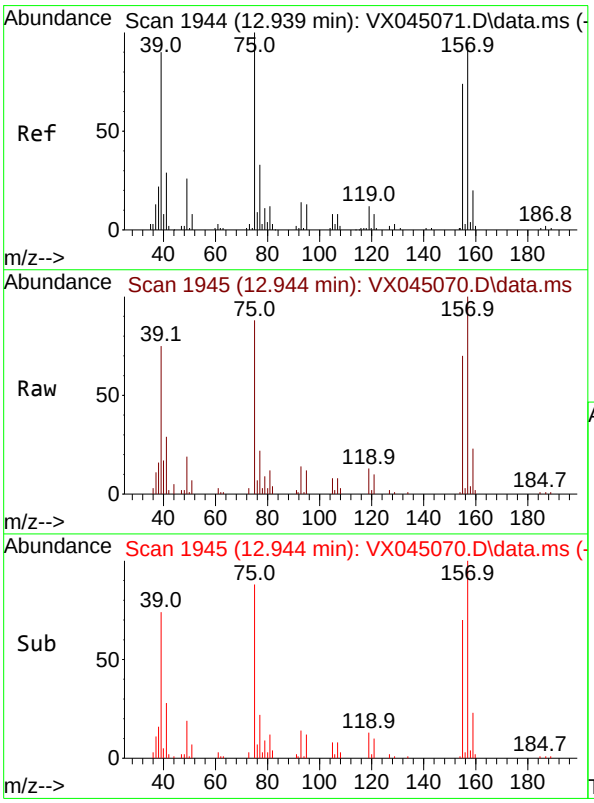
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

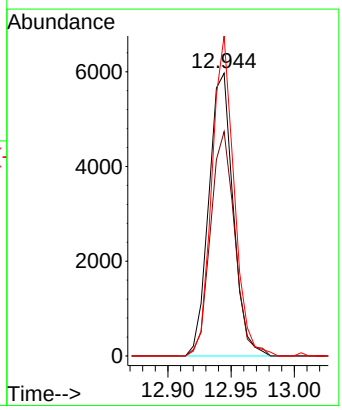
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

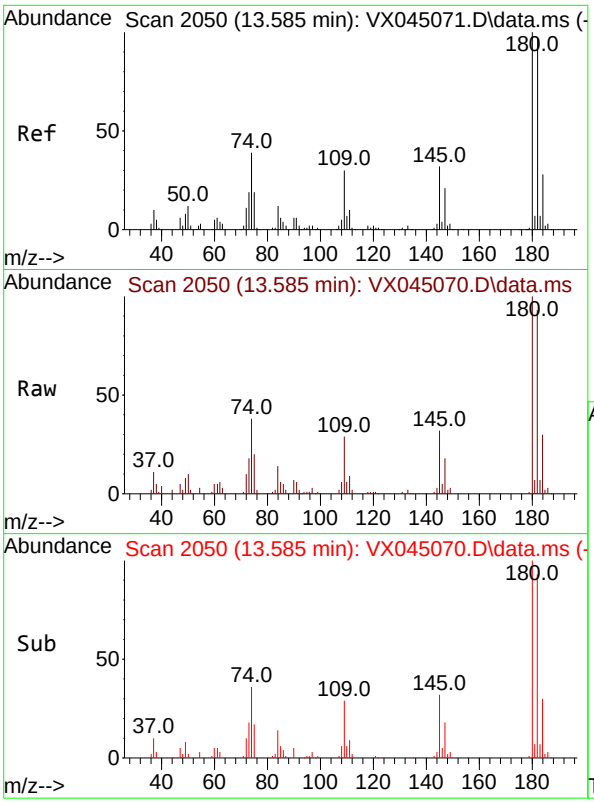


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4

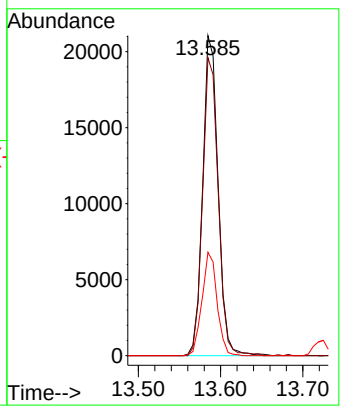




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

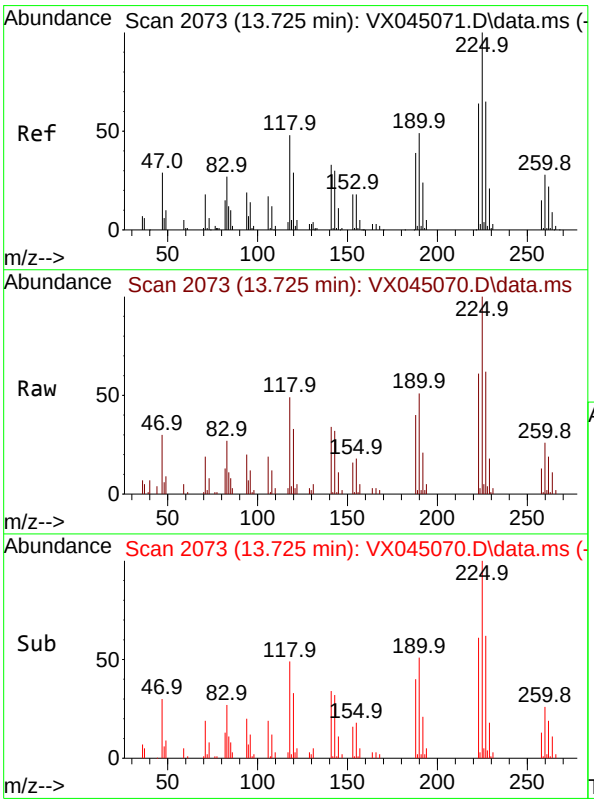
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

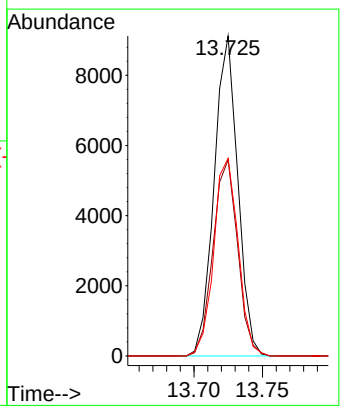
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

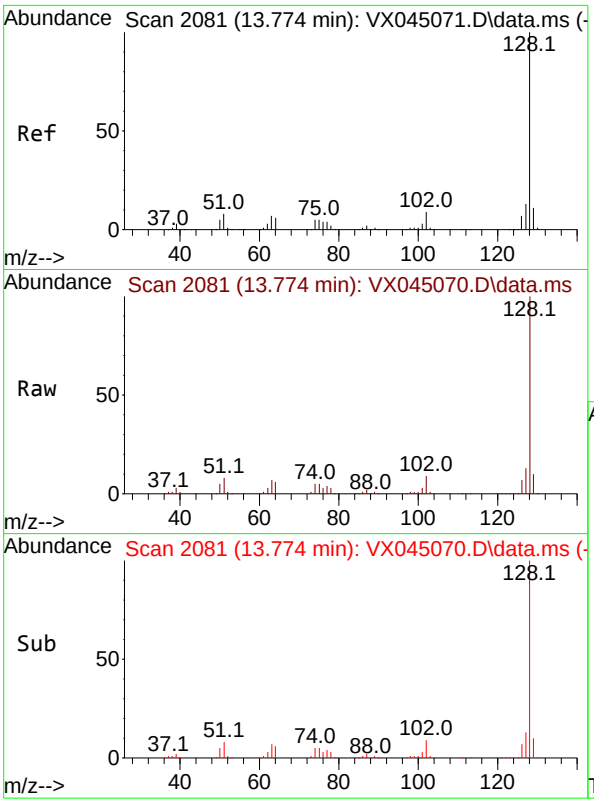


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0

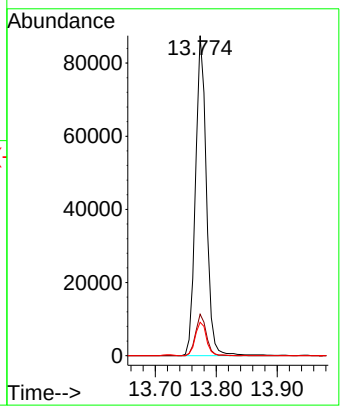




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

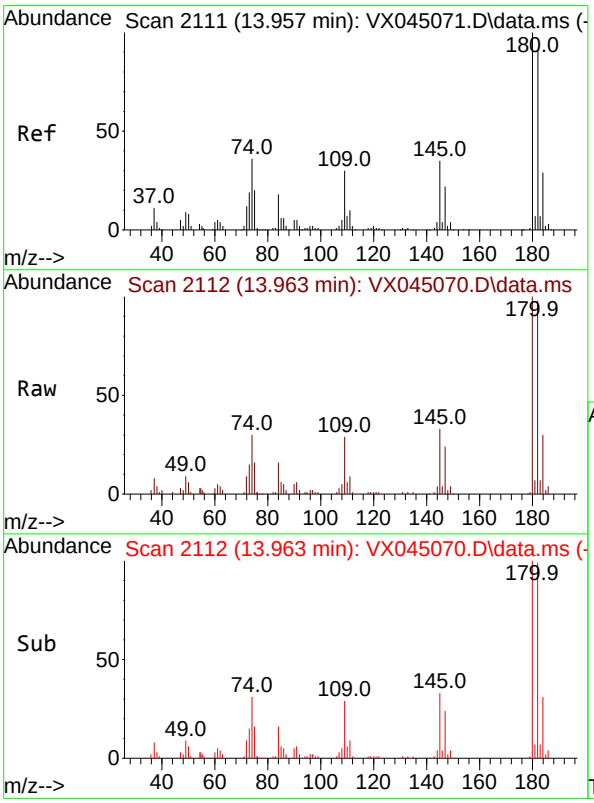
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

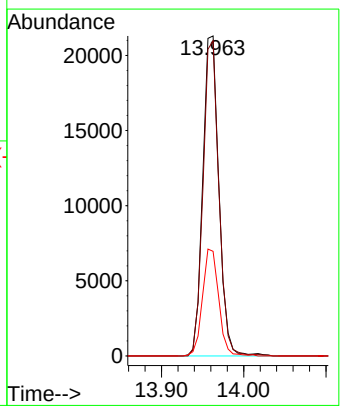
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l		
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

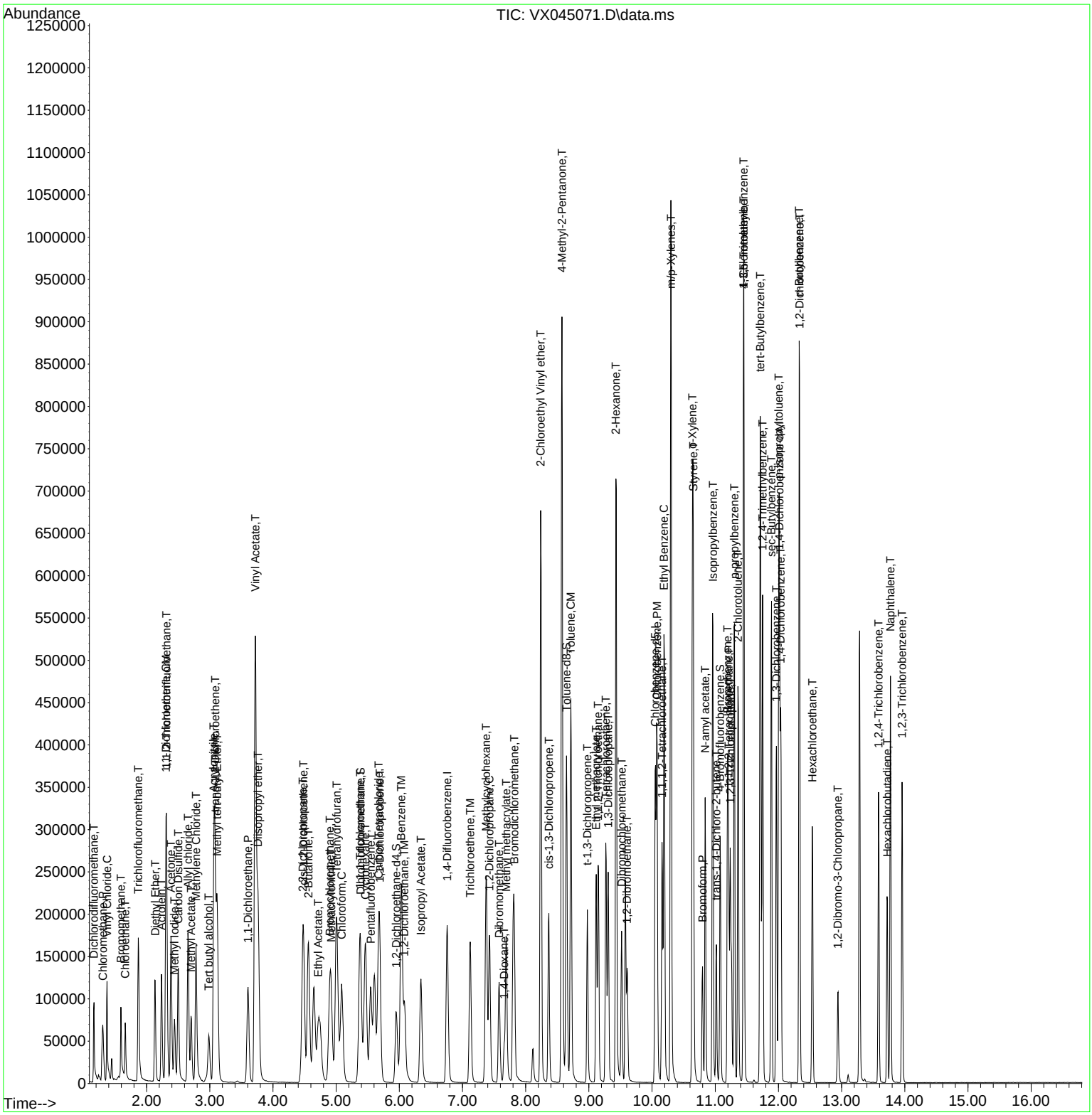
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

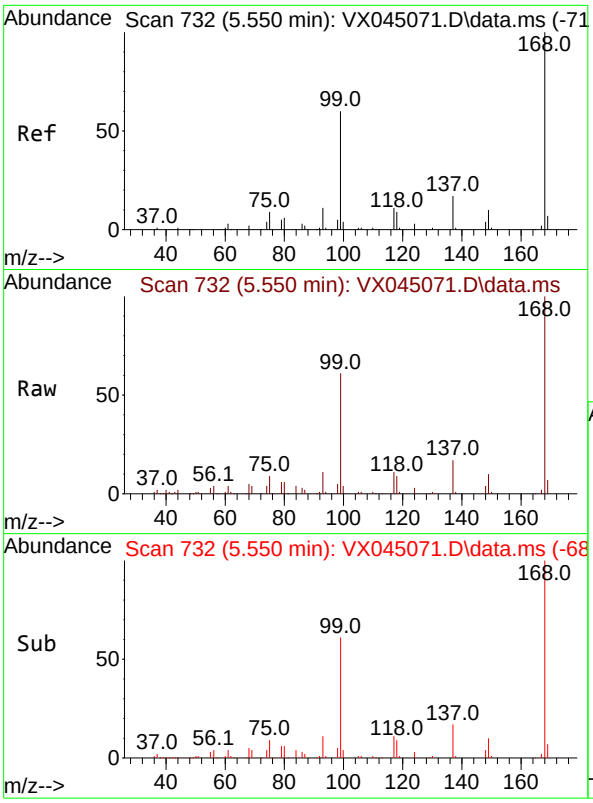
Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

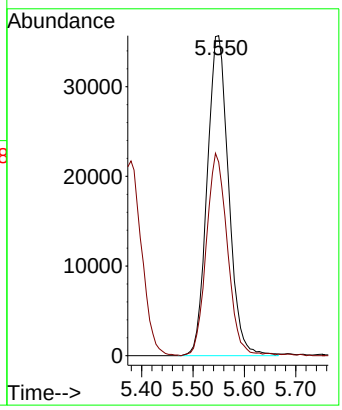




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

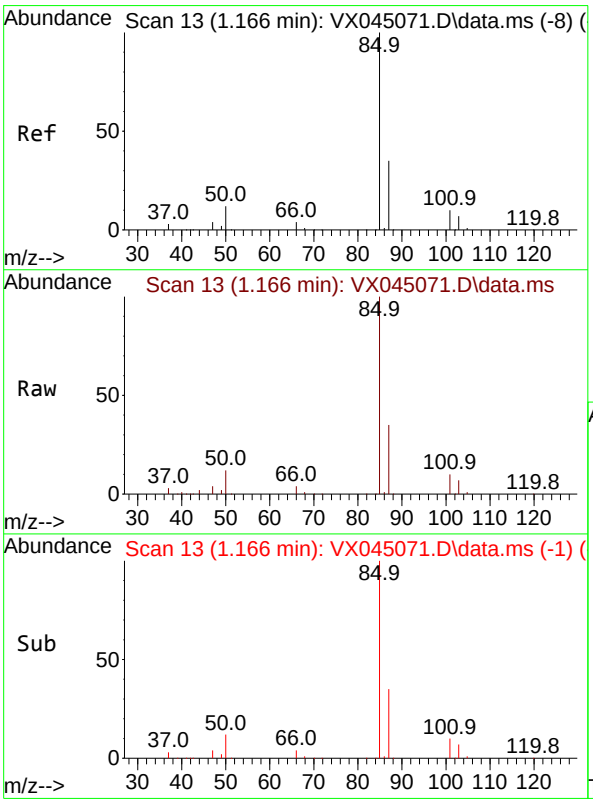
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

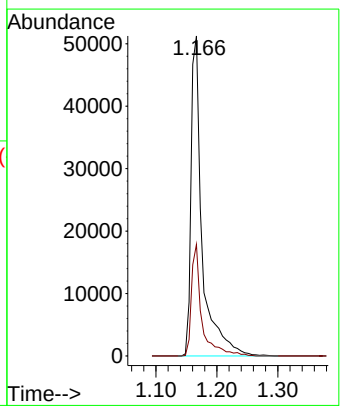
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

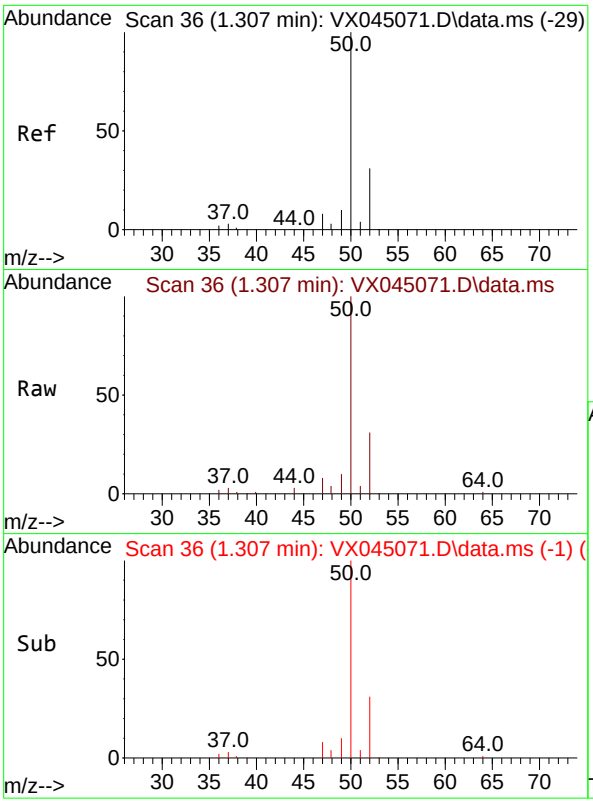


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

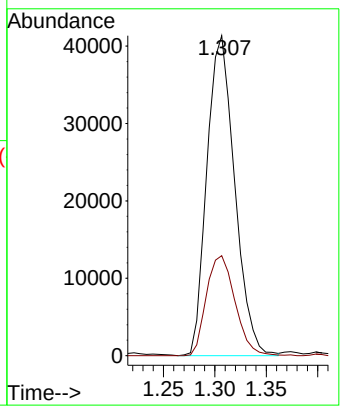




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

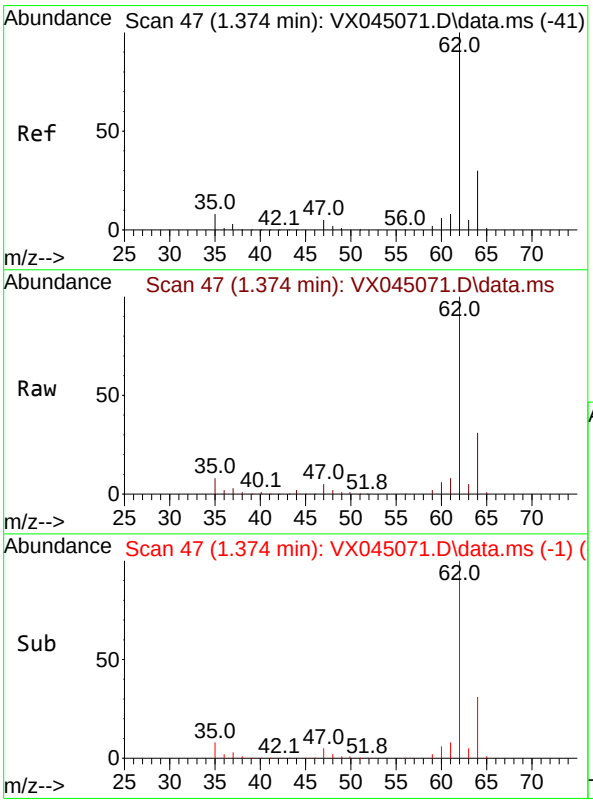
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

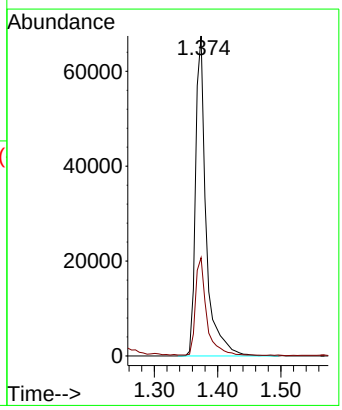
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

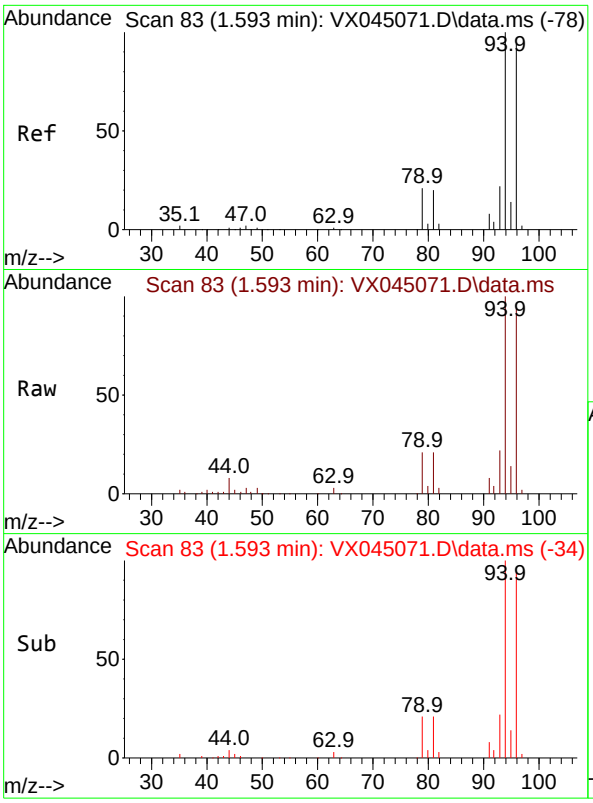


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

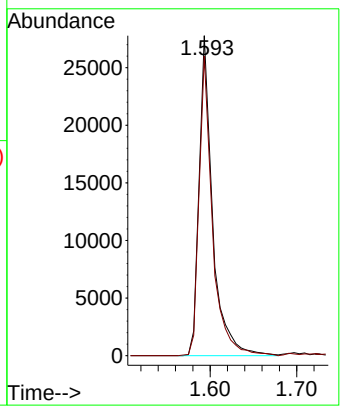




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

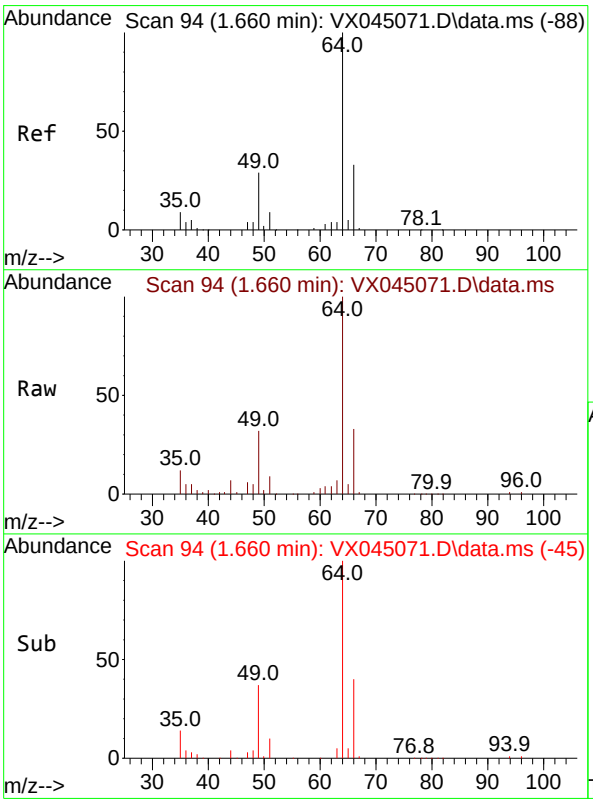
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

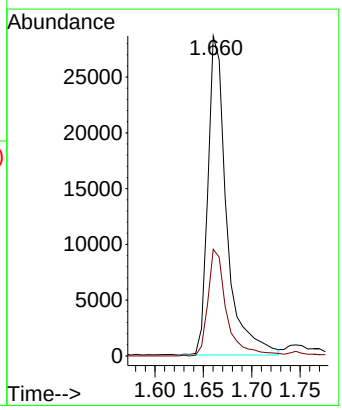
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

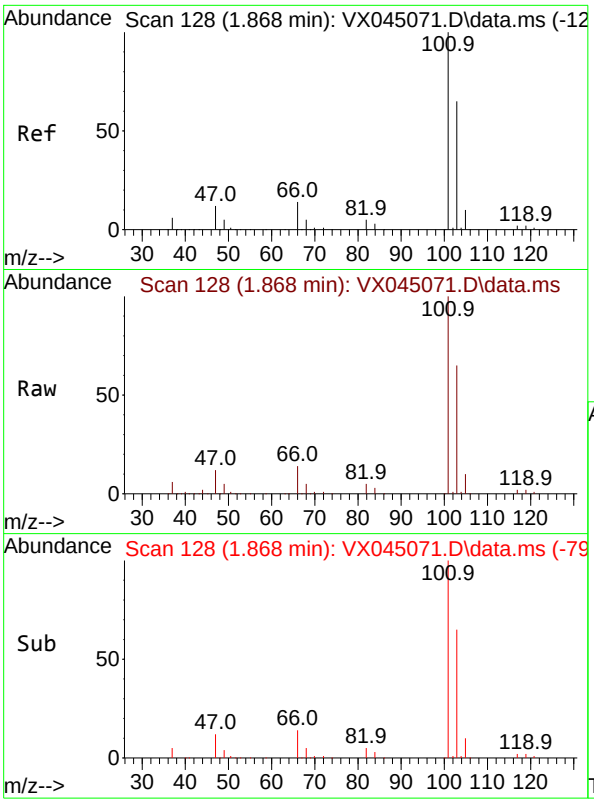


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

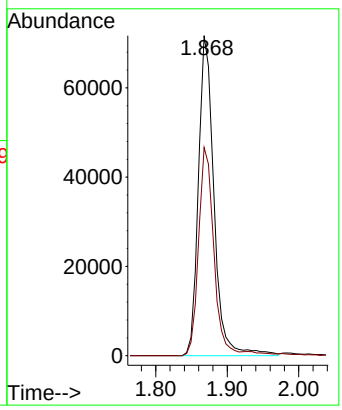




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

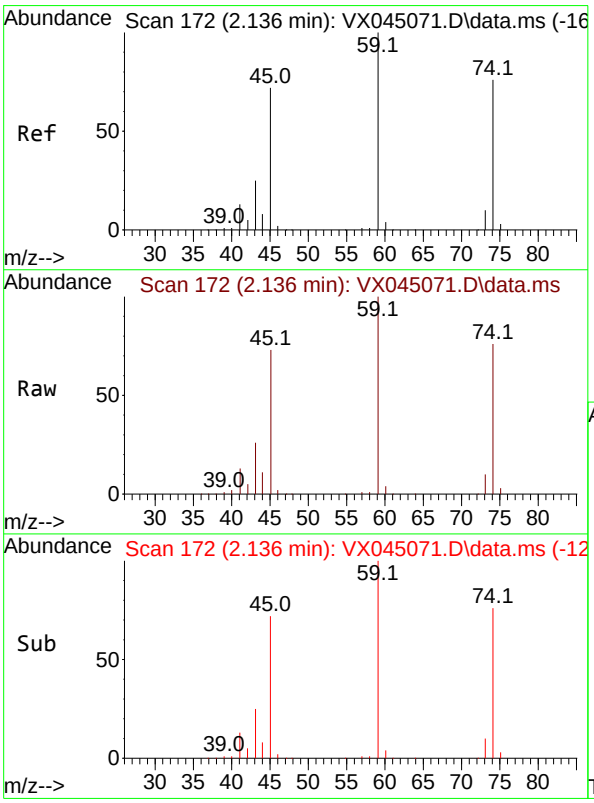
Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

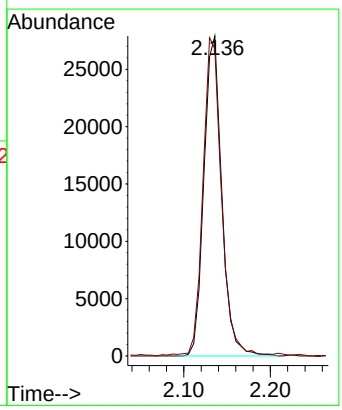
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

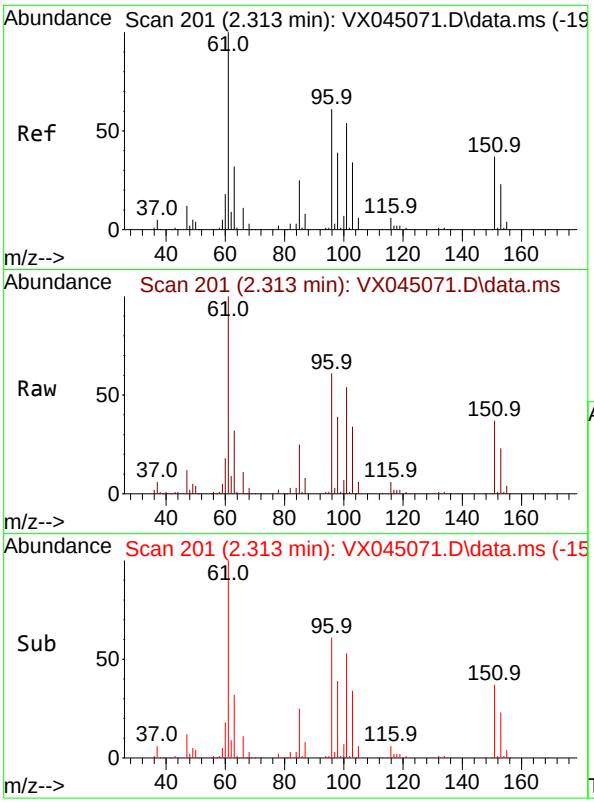


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

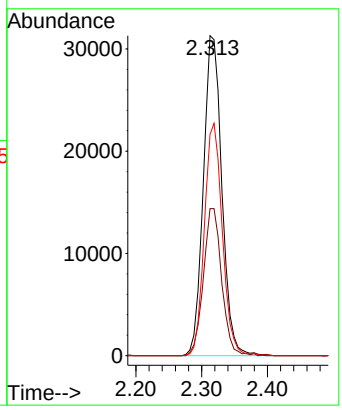
Tgt Ion:101 Resp: 6131

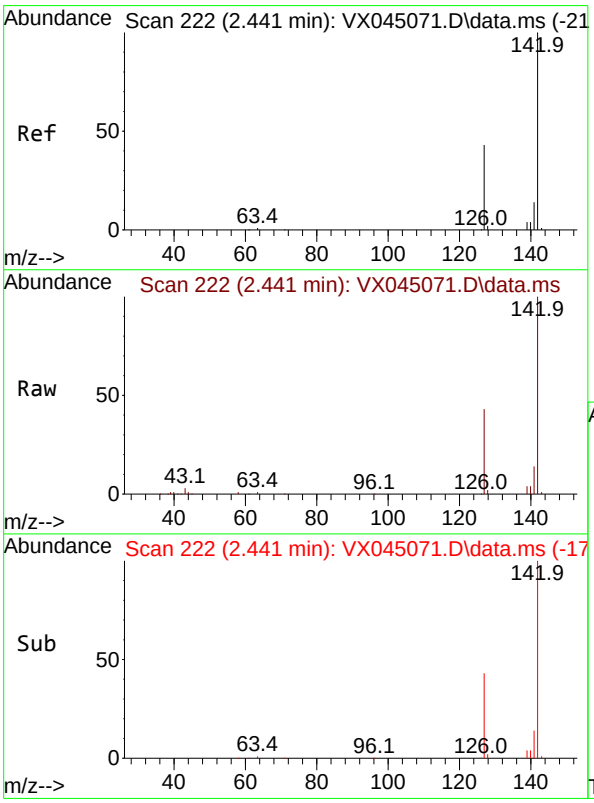
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

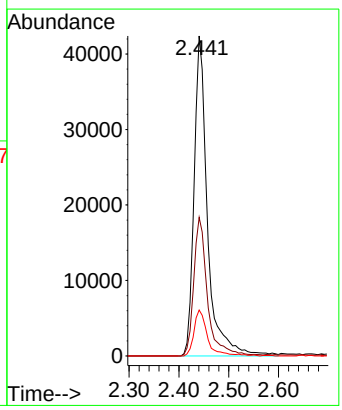


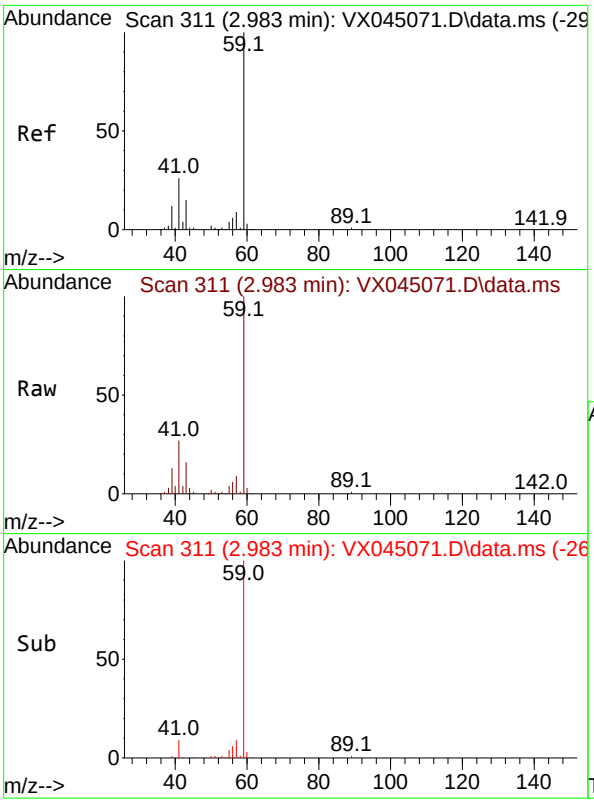


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4

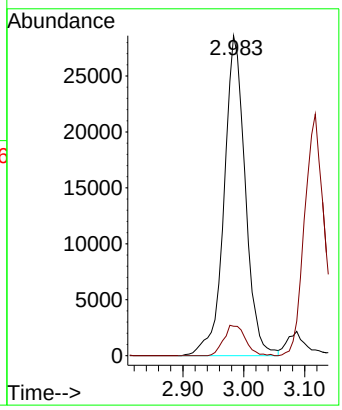




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

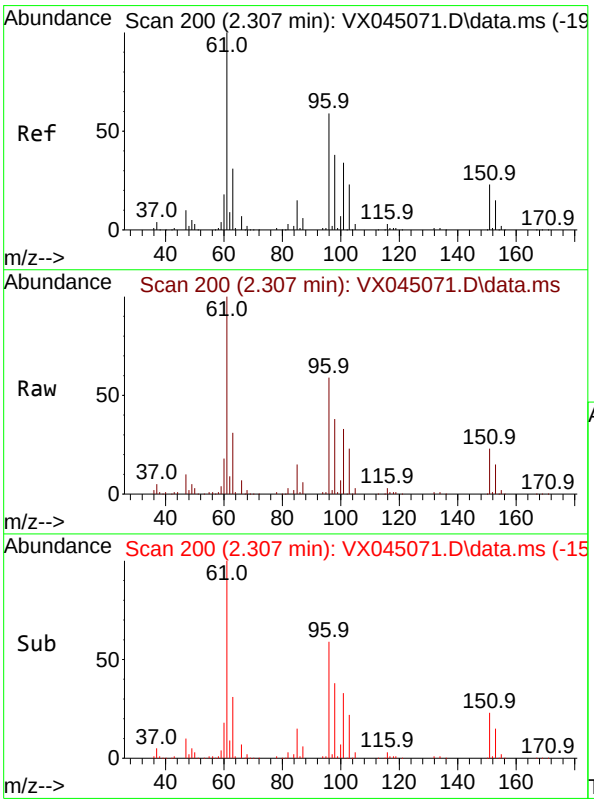
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

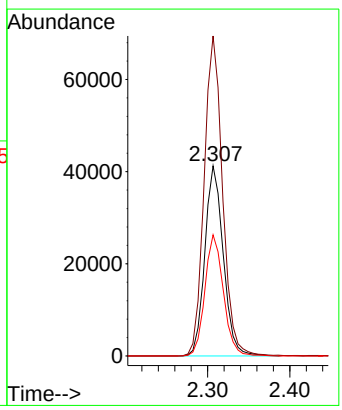
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

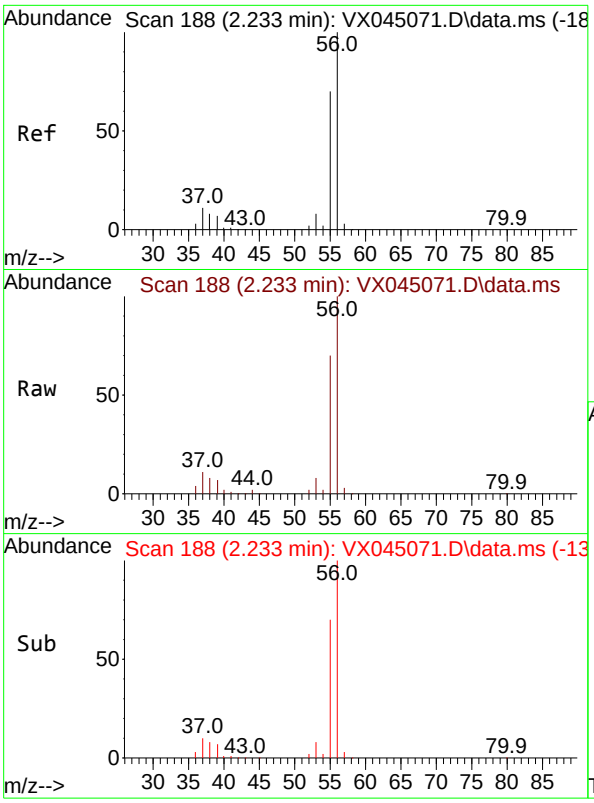


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6

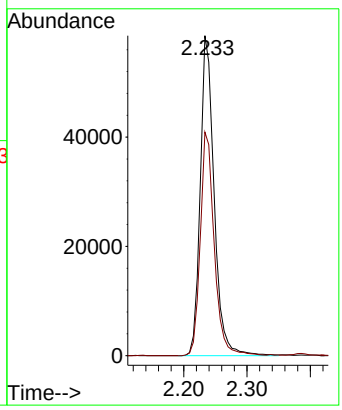




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

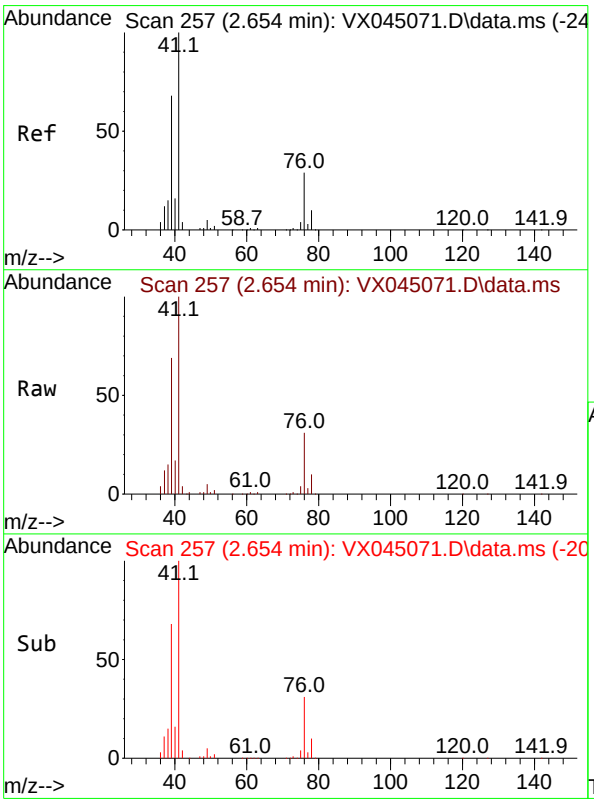
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

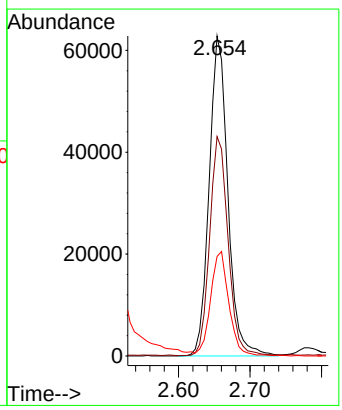
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

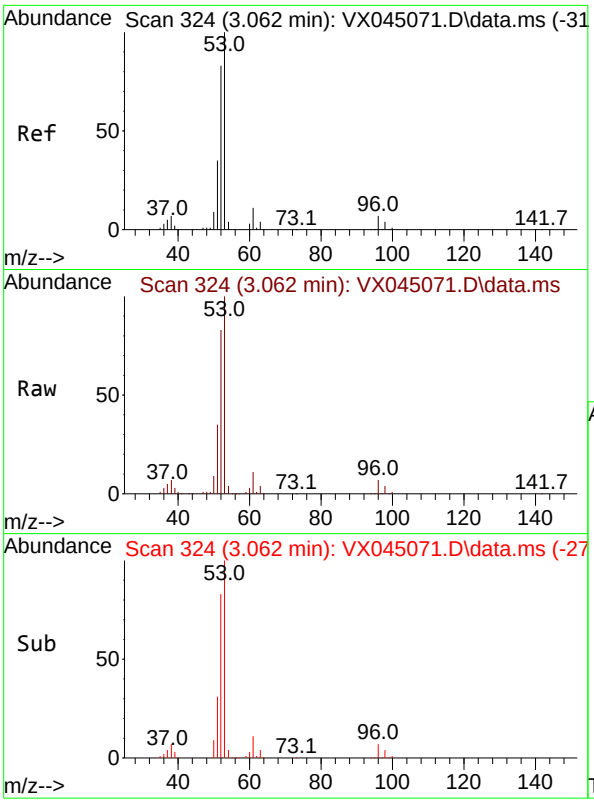


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8

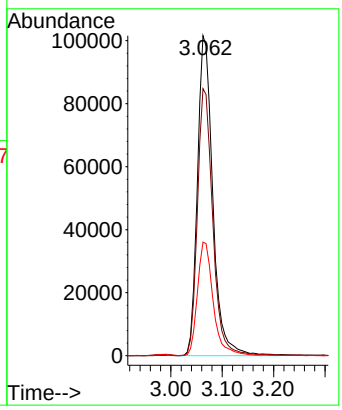




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

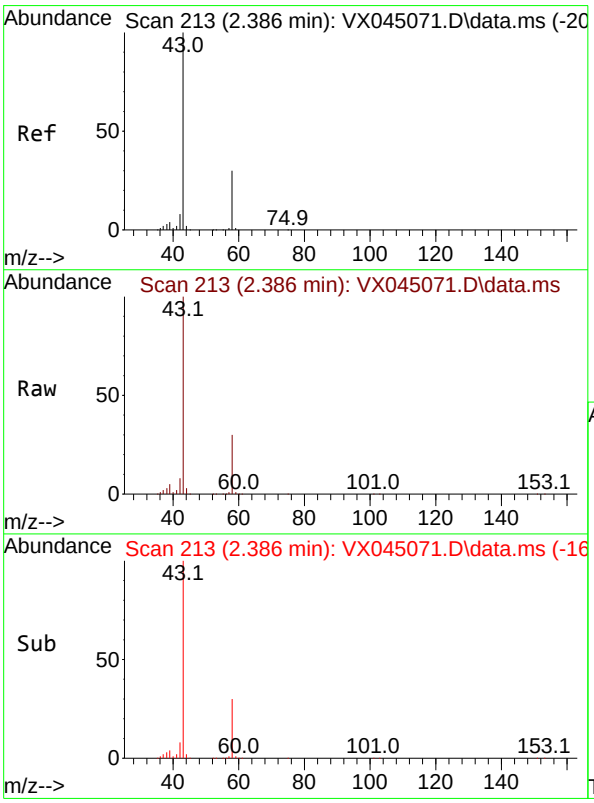
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

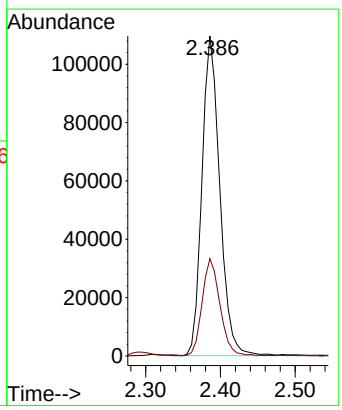
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

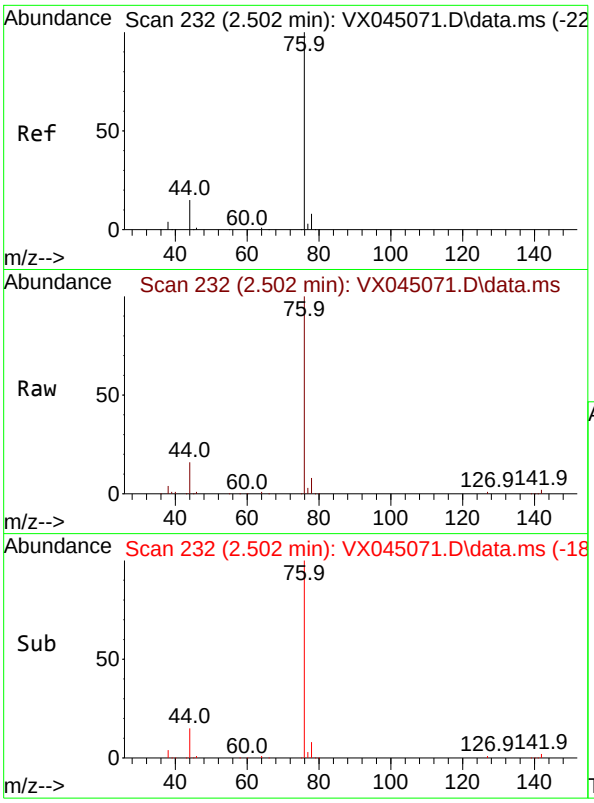


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

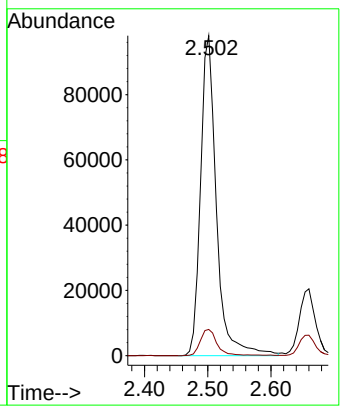
Tgt Ion: 76 Resp: 17135

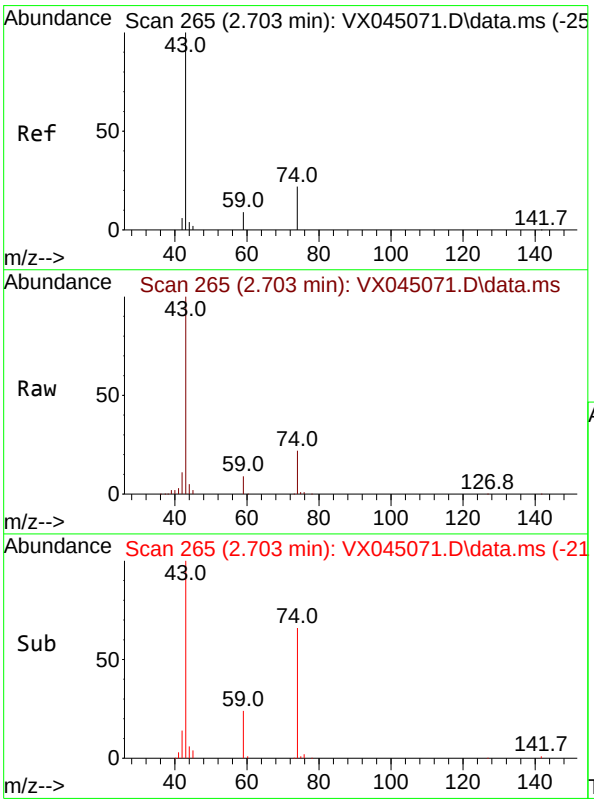
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

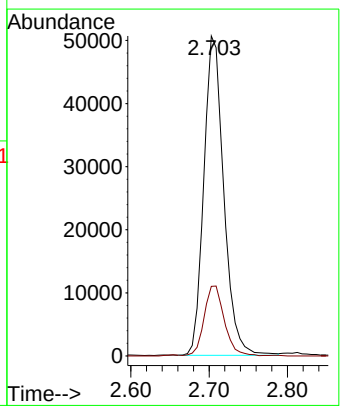


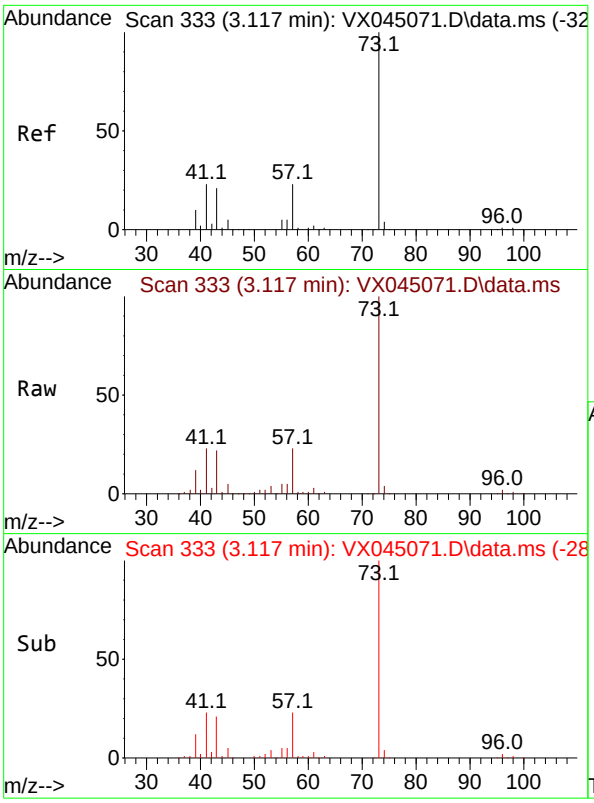


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

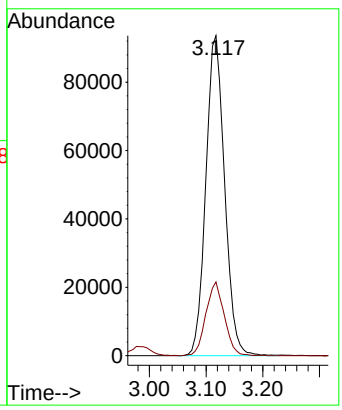




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

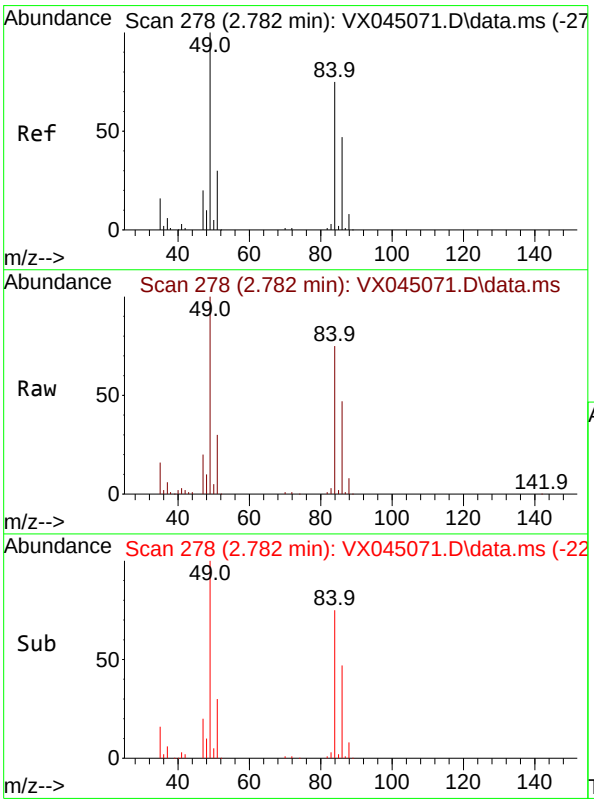
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

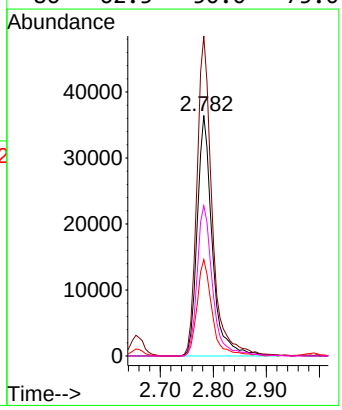
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

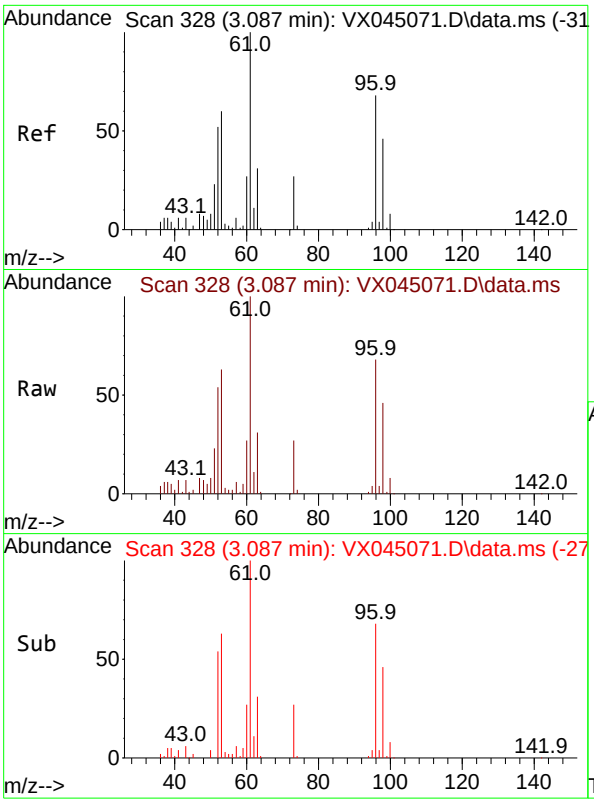


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0

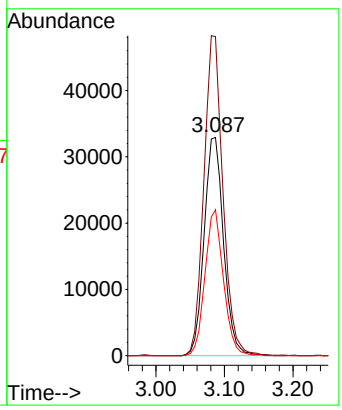




#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 6509

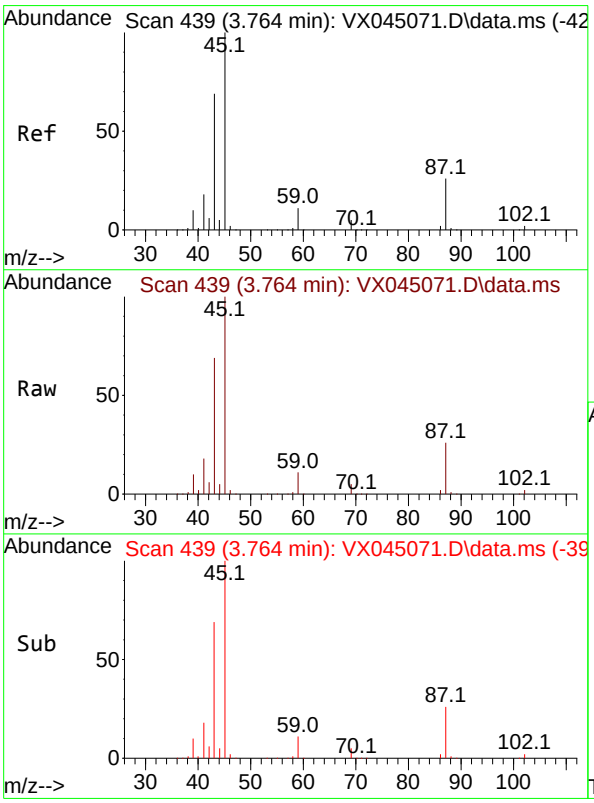
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

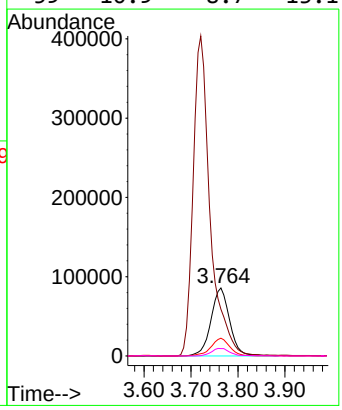
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

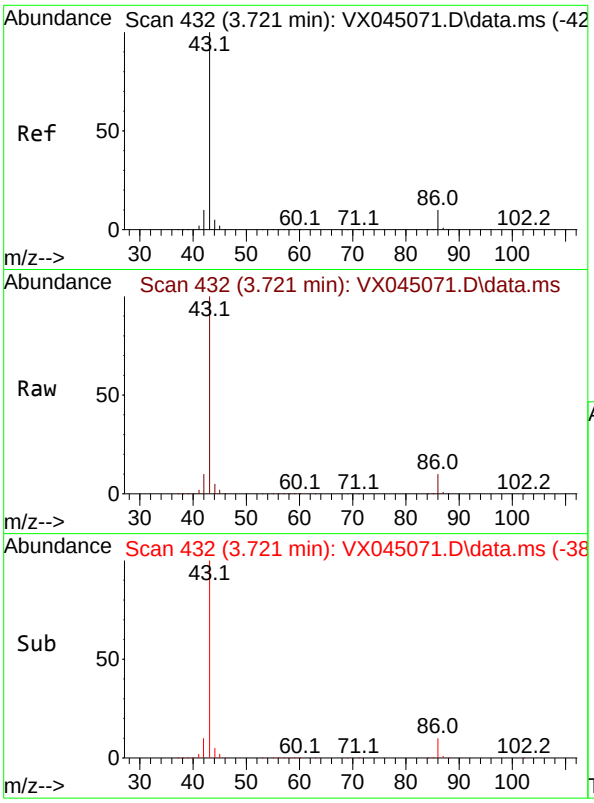


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1

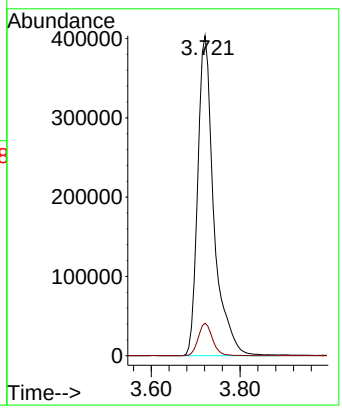




#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 101863

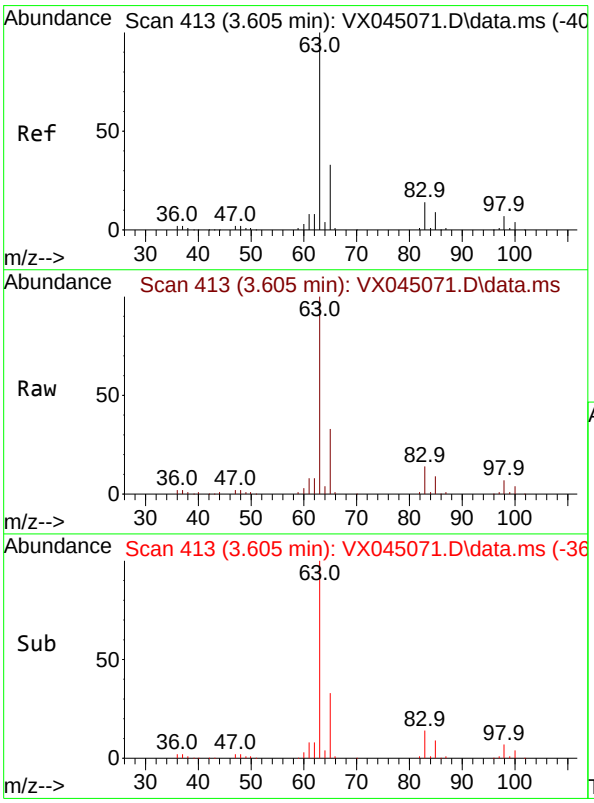
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

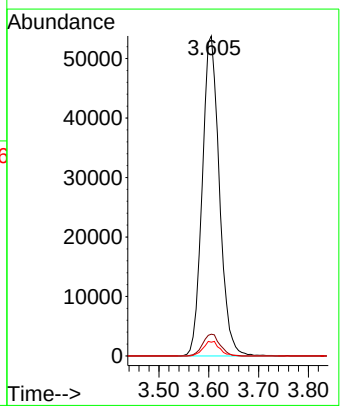
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

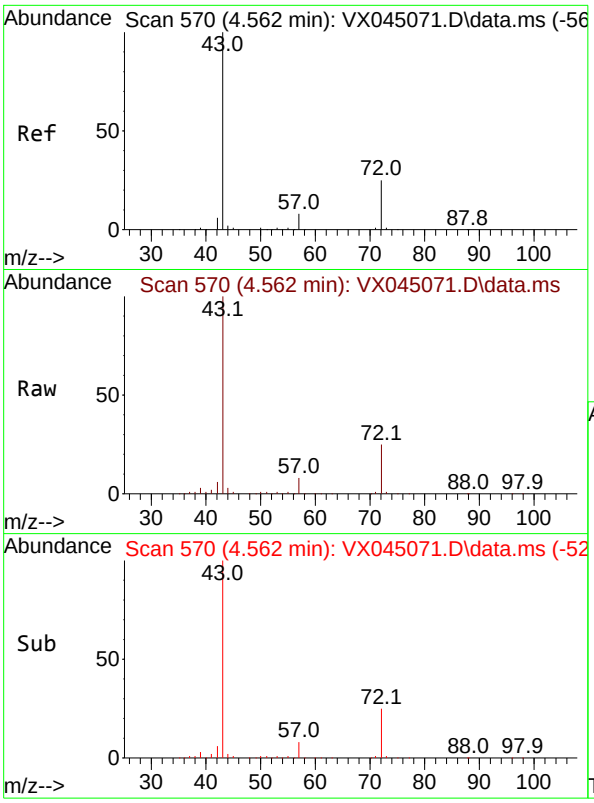


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5

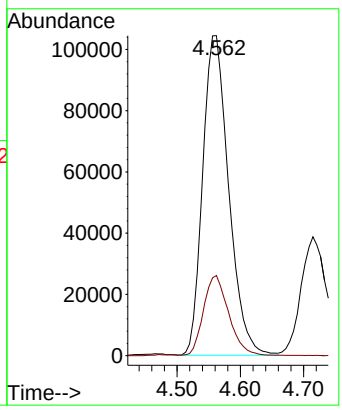




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

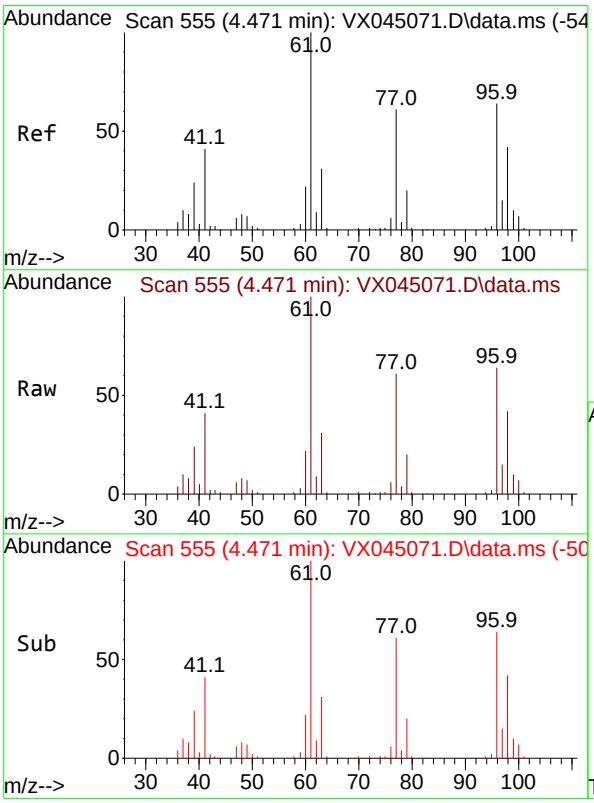
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

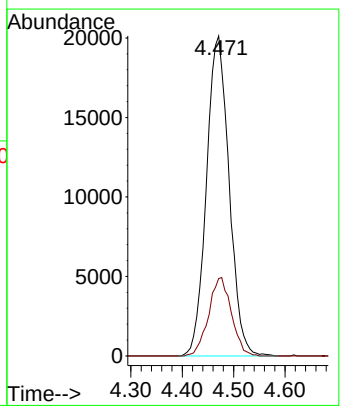
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

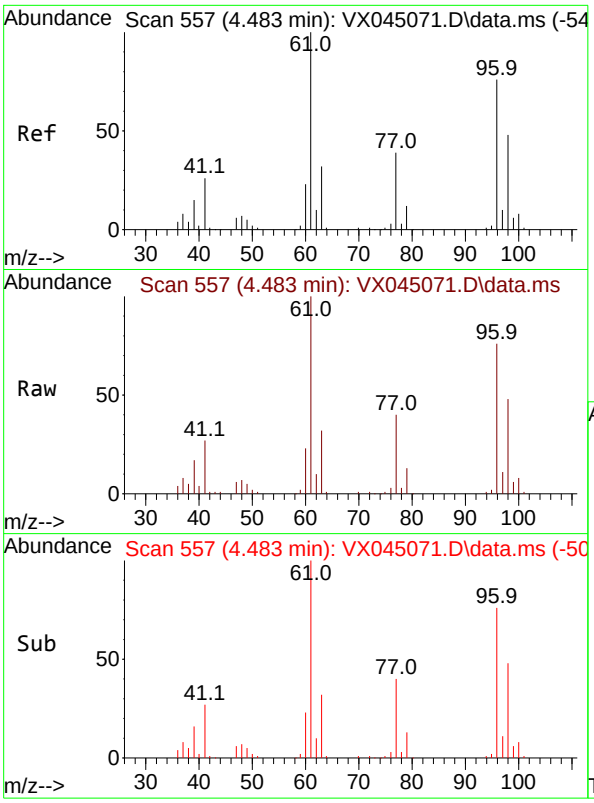


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

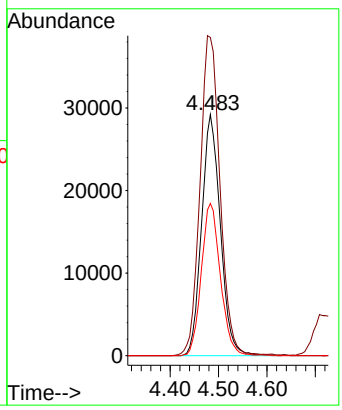
Tgt Ion: 96 Resp: 7865

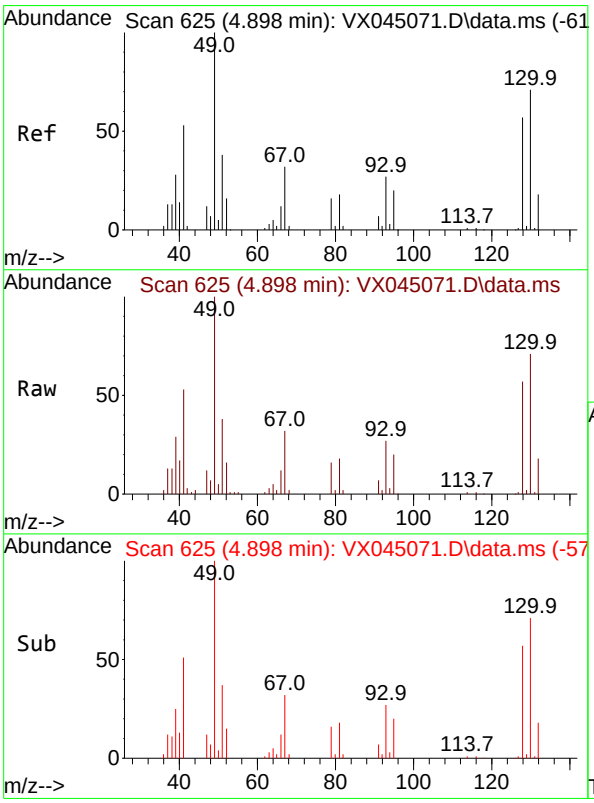
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

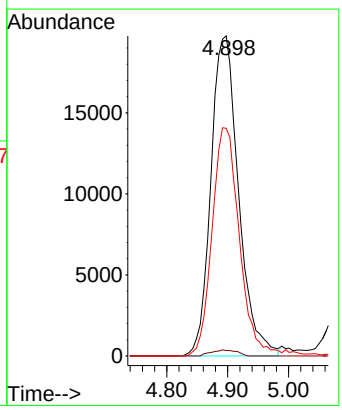


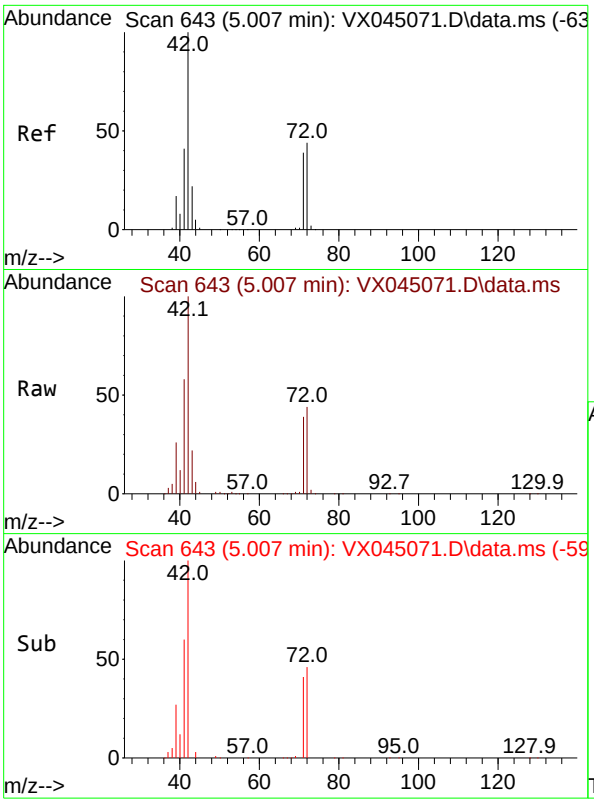


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

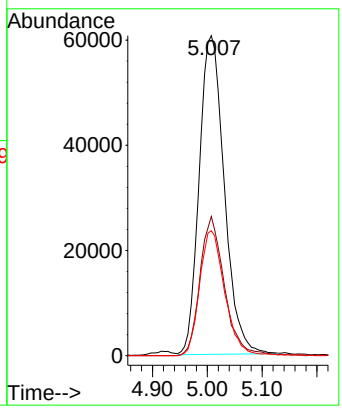




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

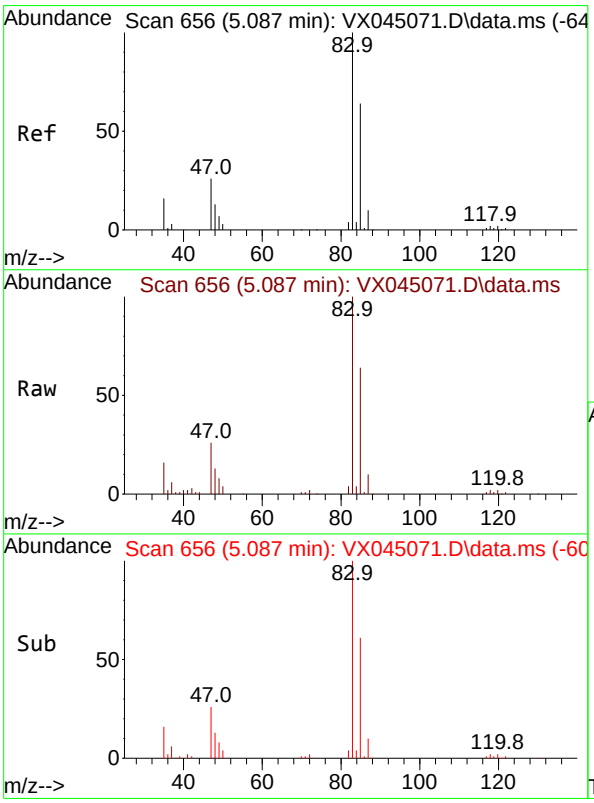
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

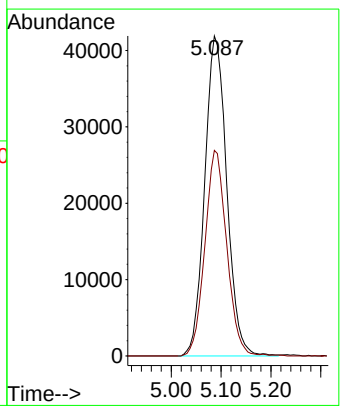
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

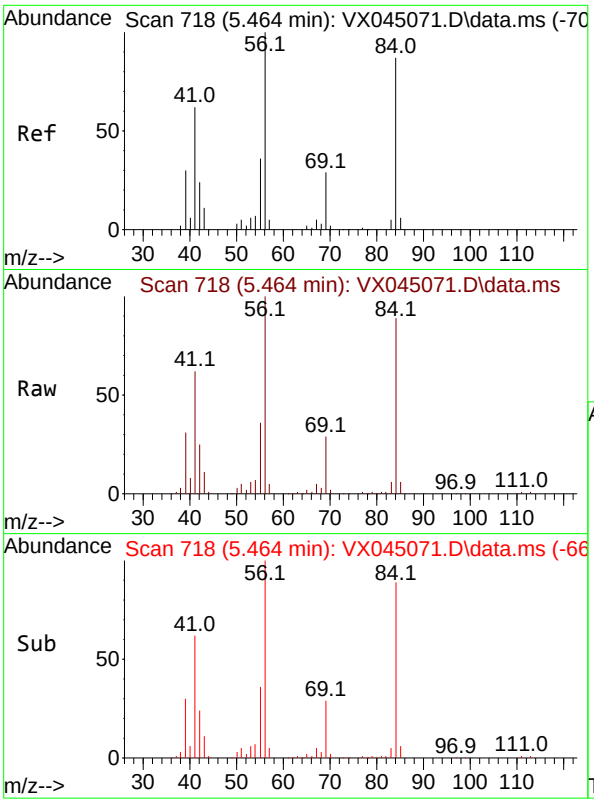


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

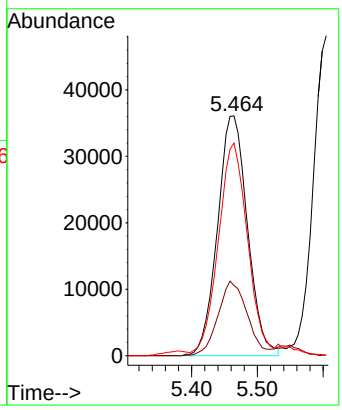




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

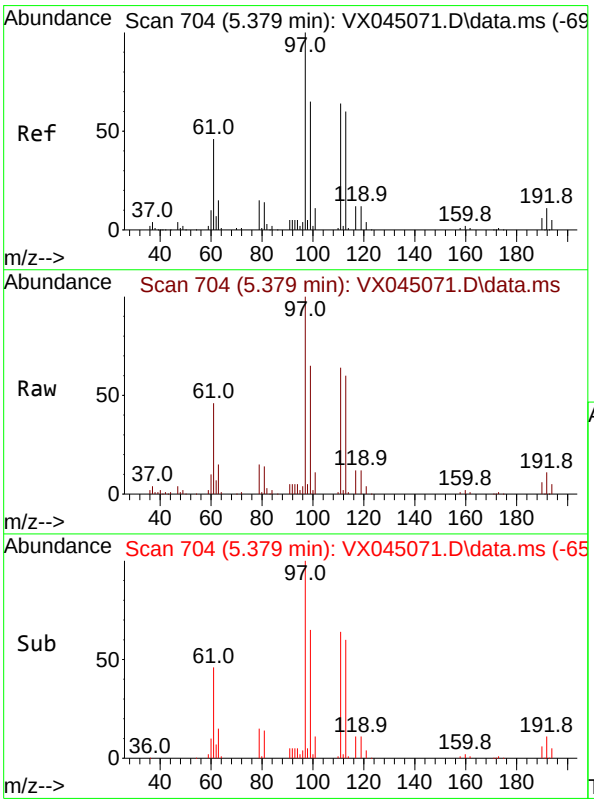
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

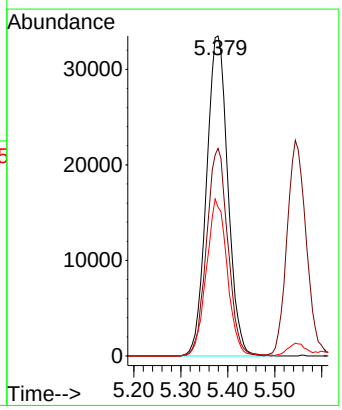
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

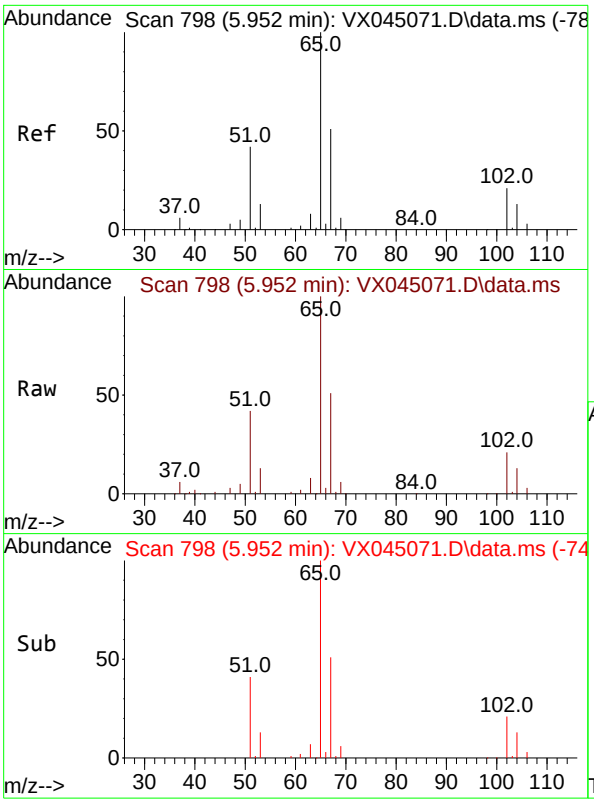


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6

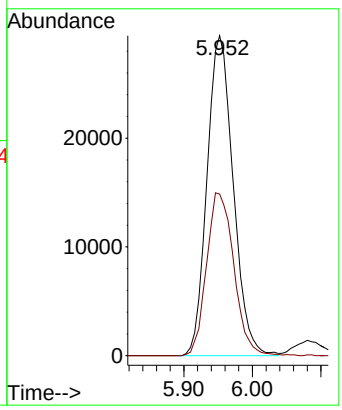




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

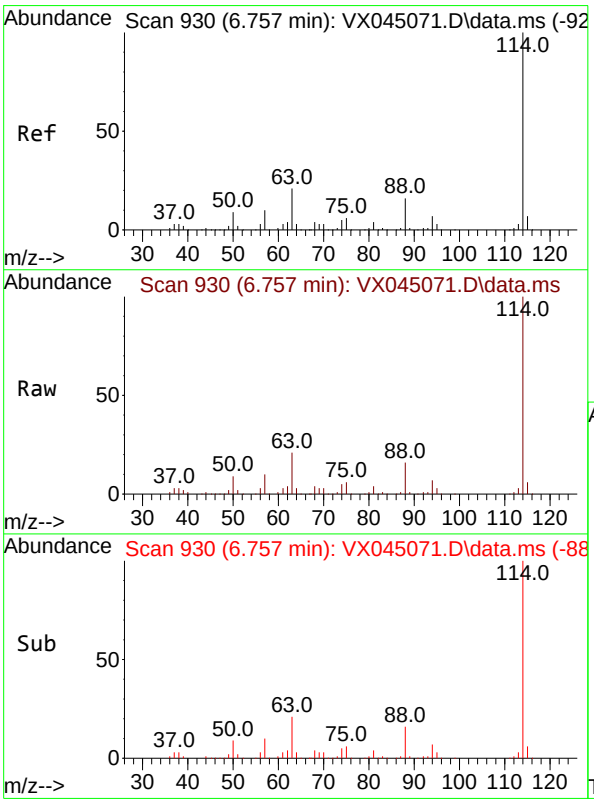
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

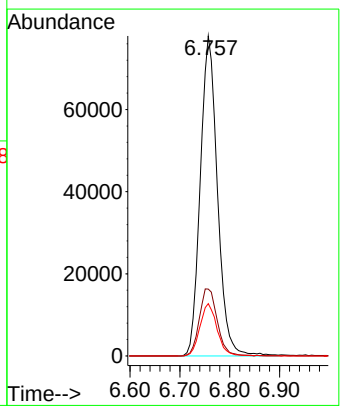
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

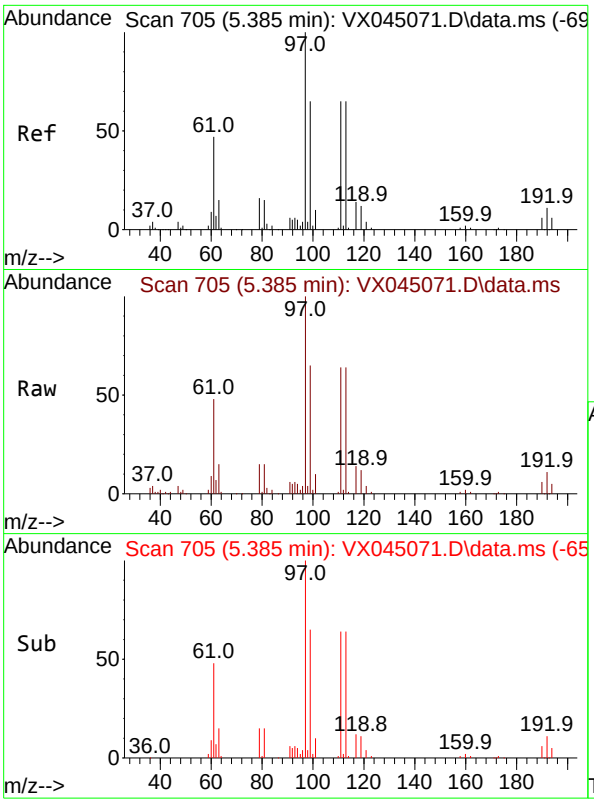


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8

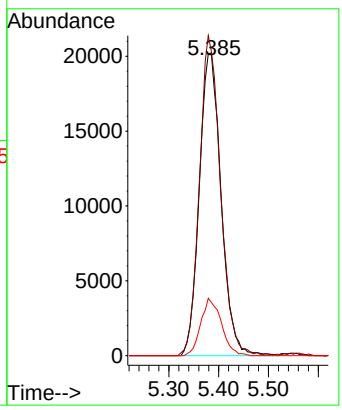




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

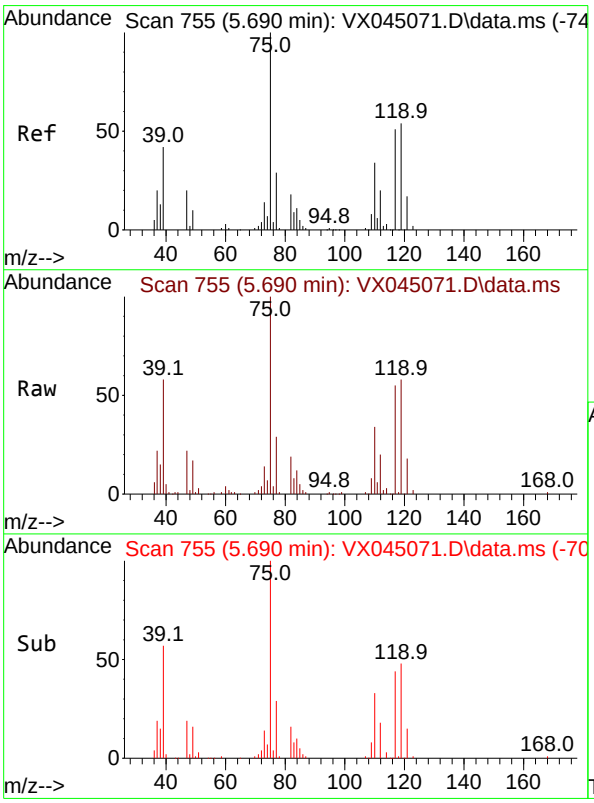
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

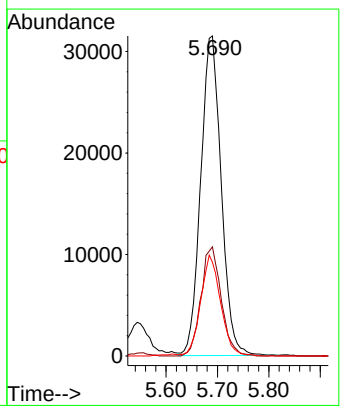
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

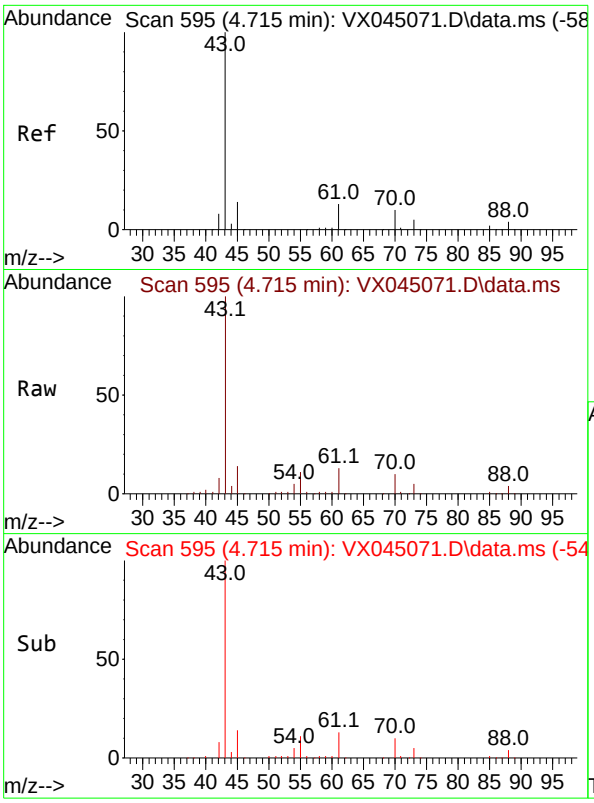


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7

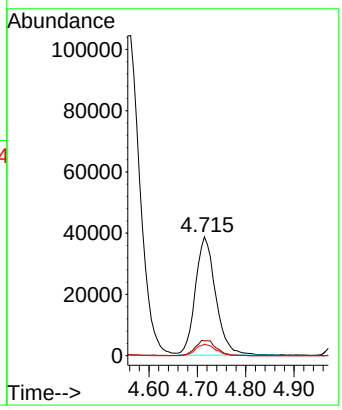




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

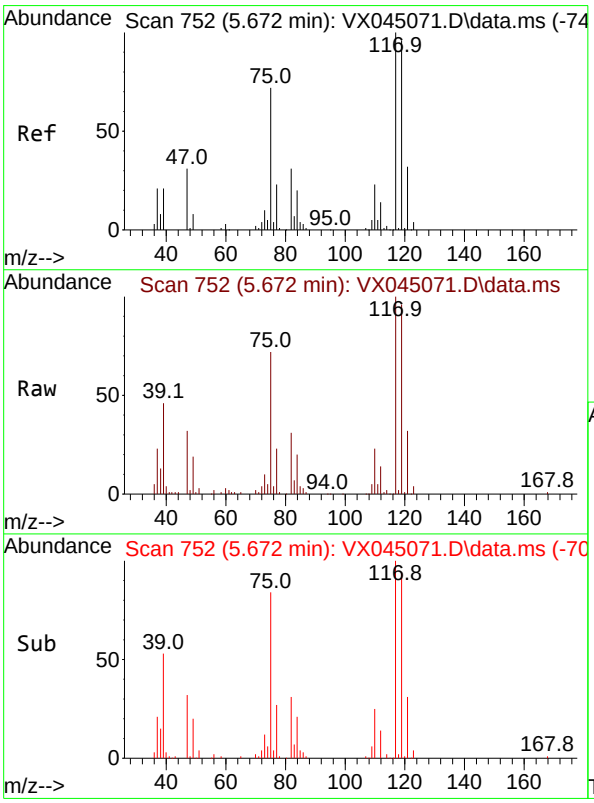
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

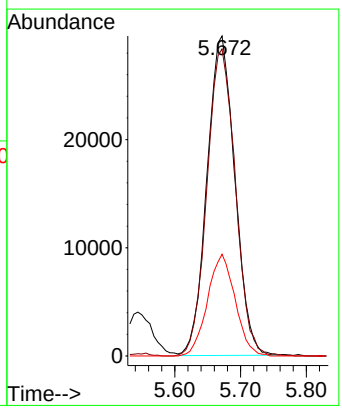
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

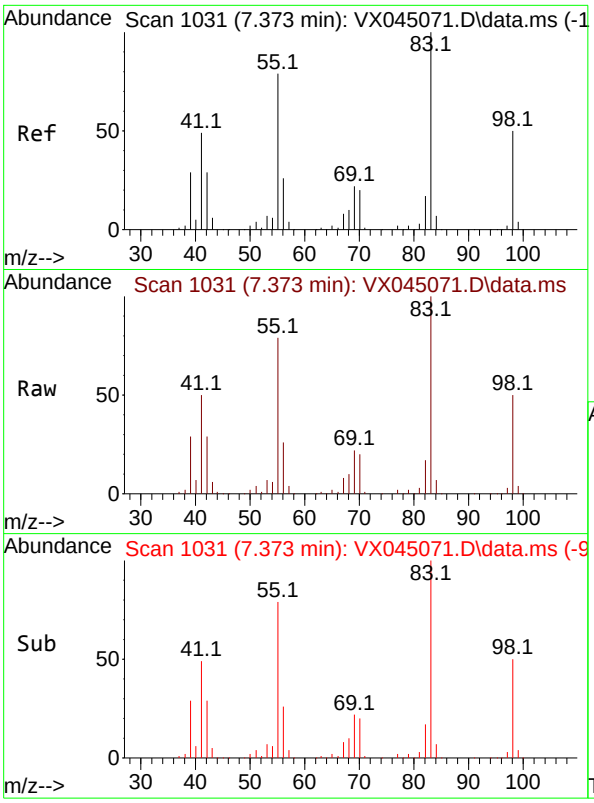


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3

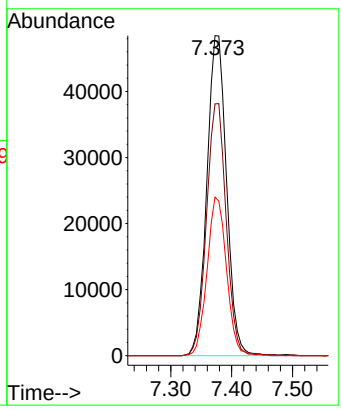




#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10897

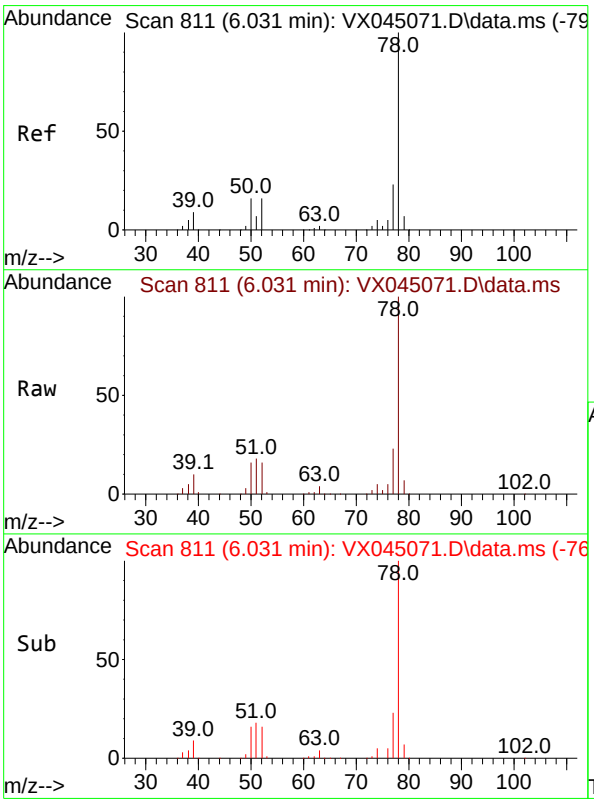
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

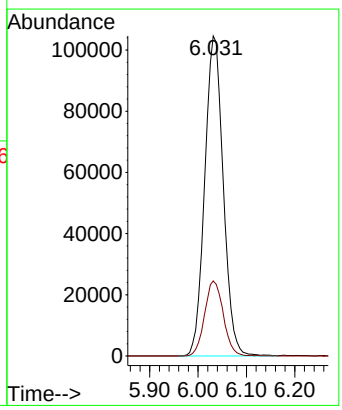
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

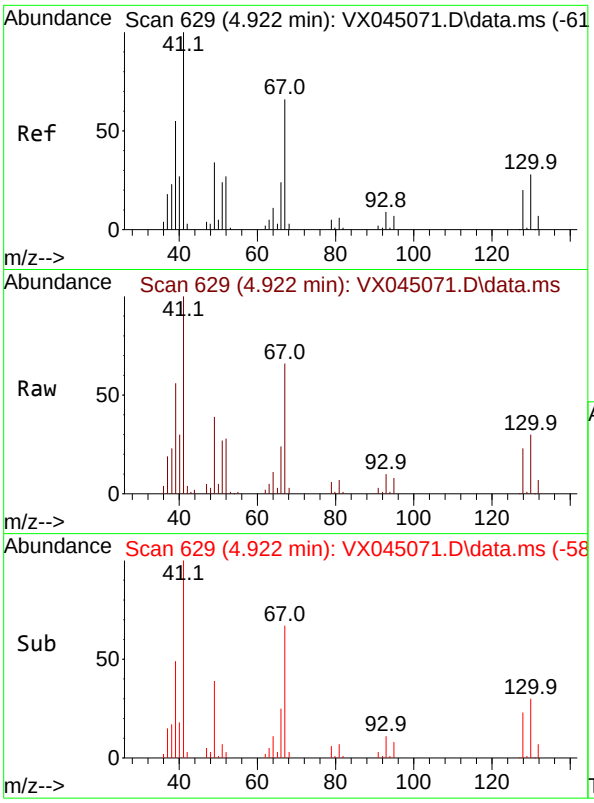


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

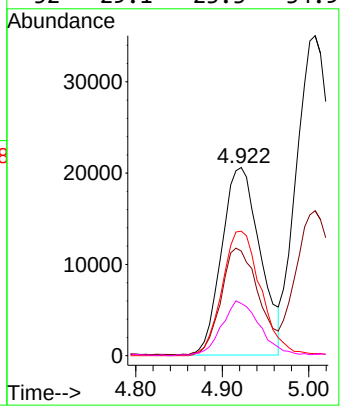




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

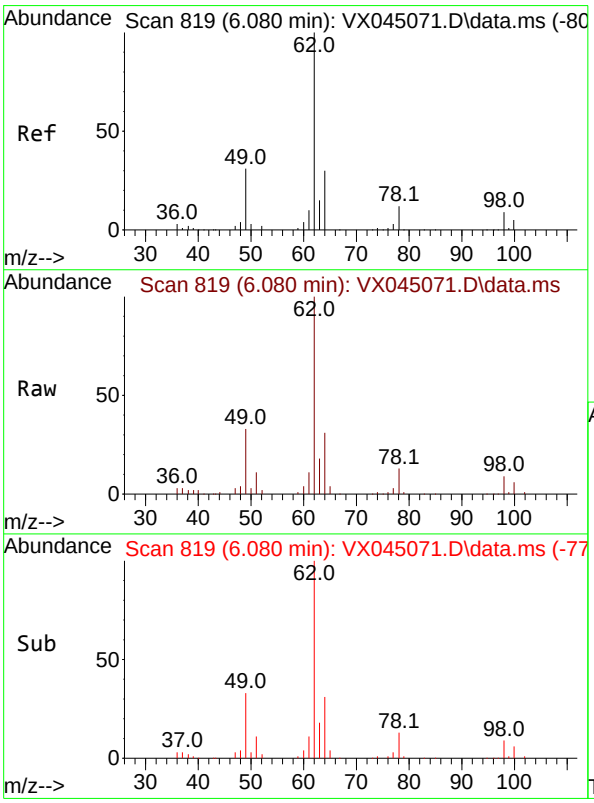
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

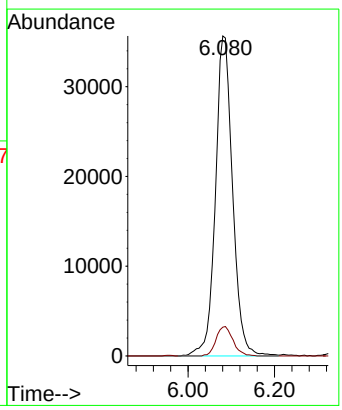
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

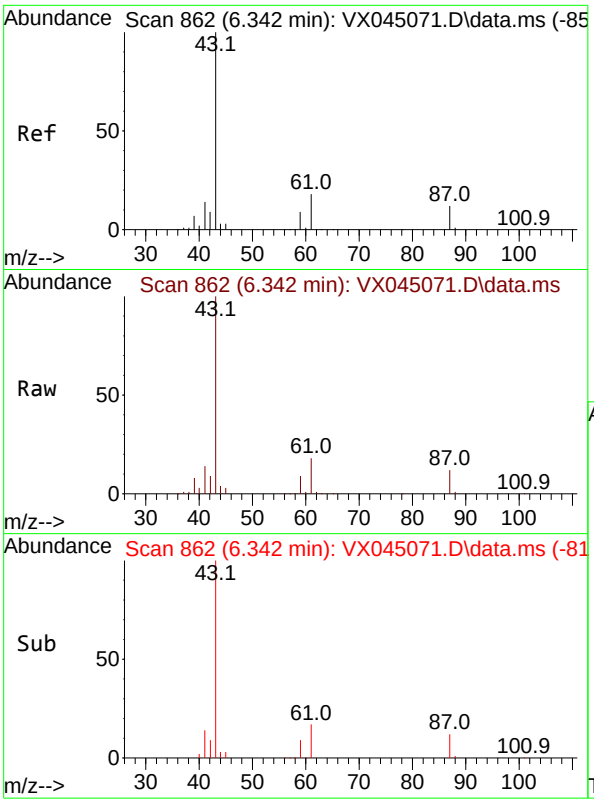


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

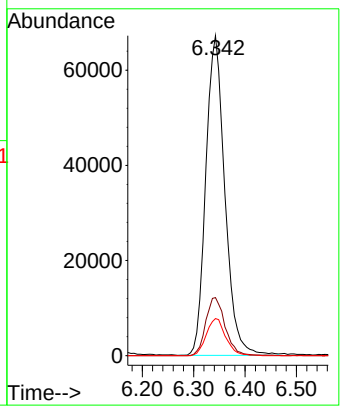




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 17304

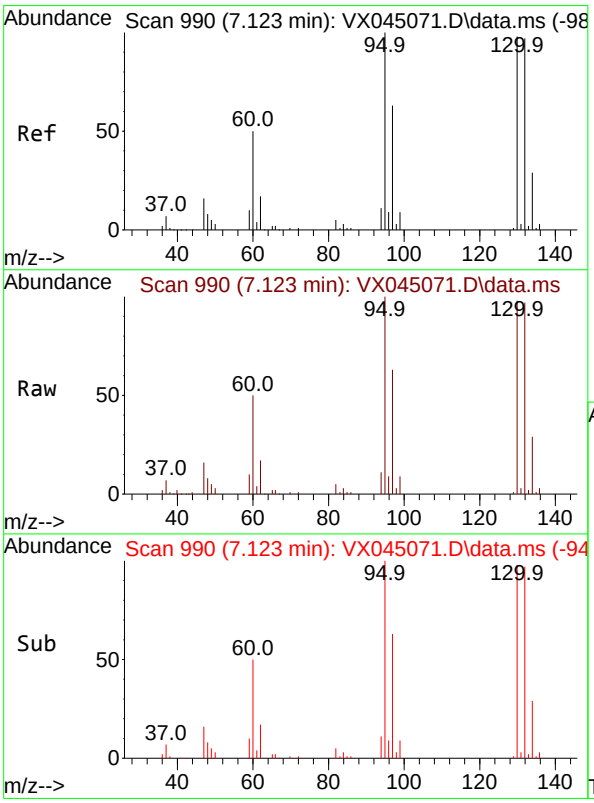
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

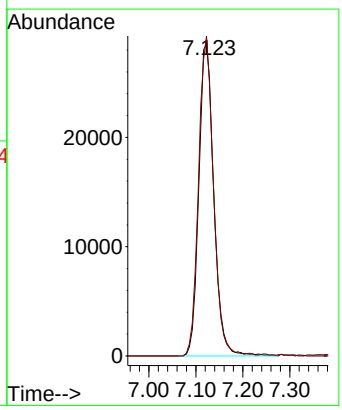
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

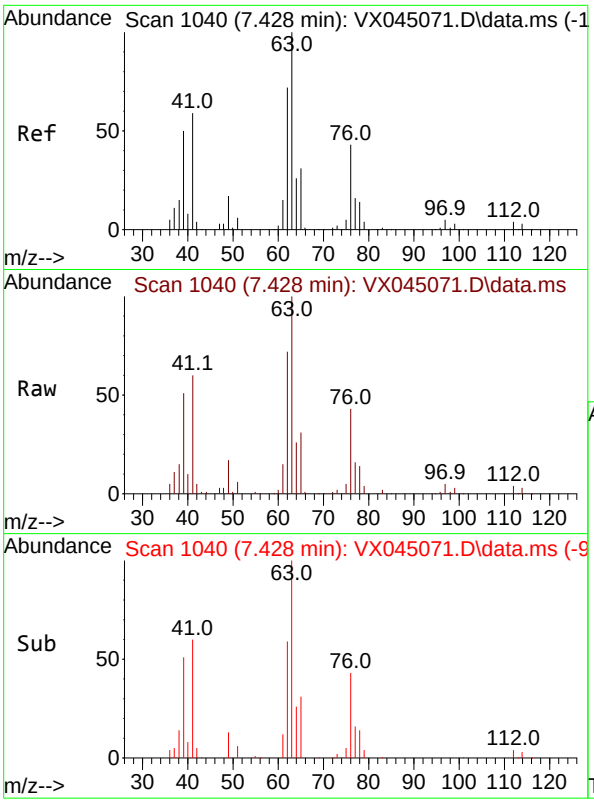


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

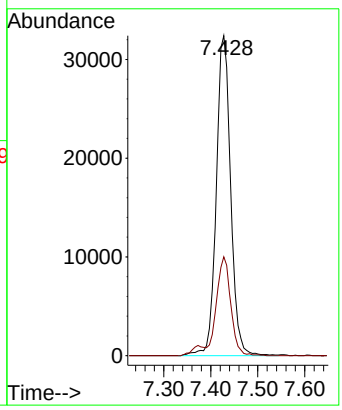




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

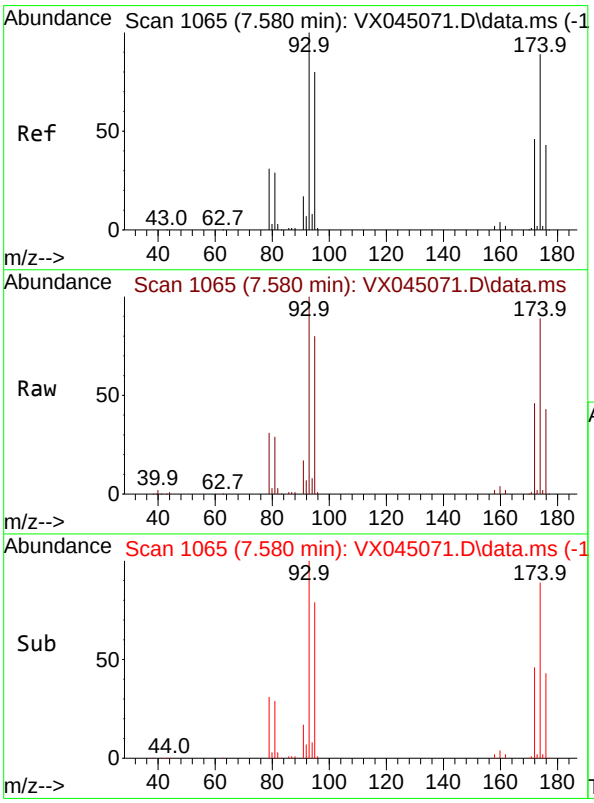
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

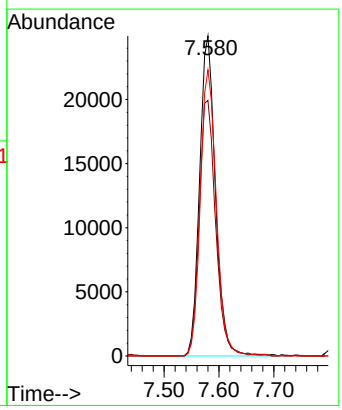
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

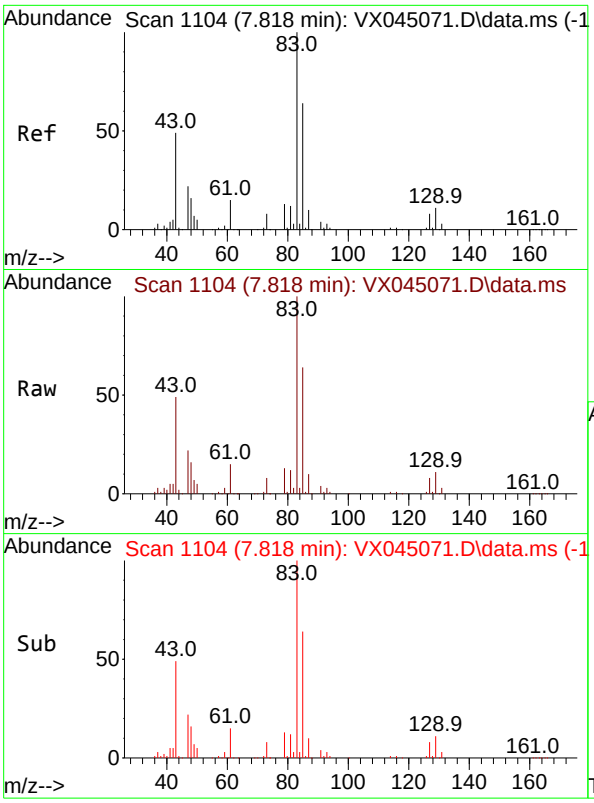


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2

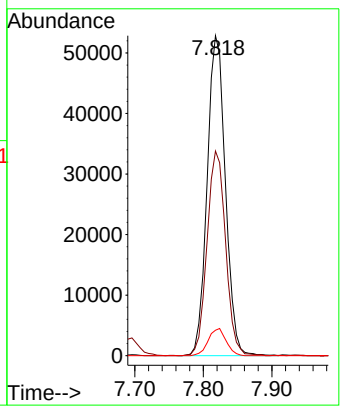




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

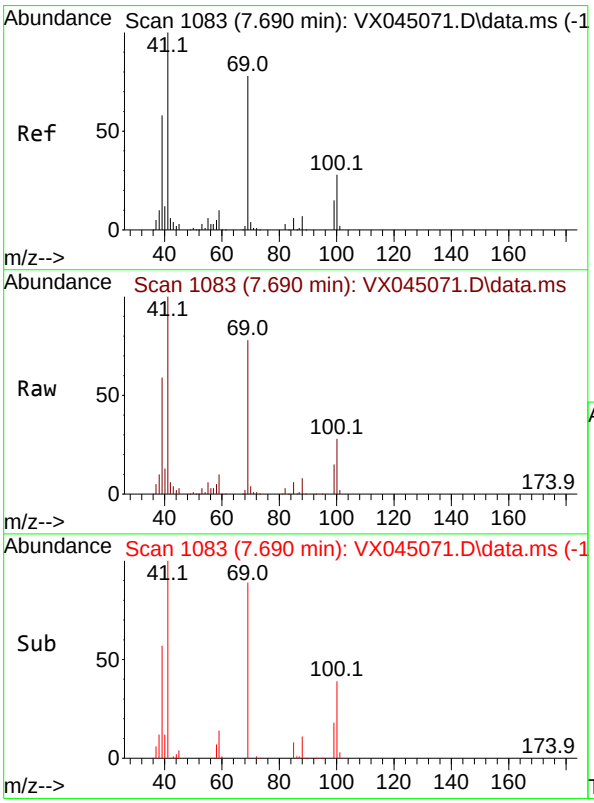
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

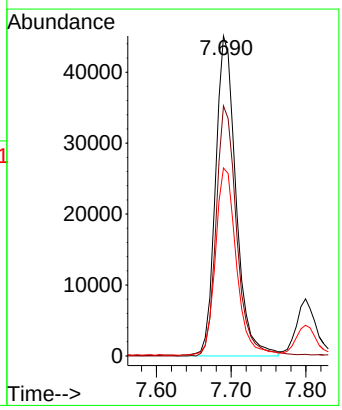
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

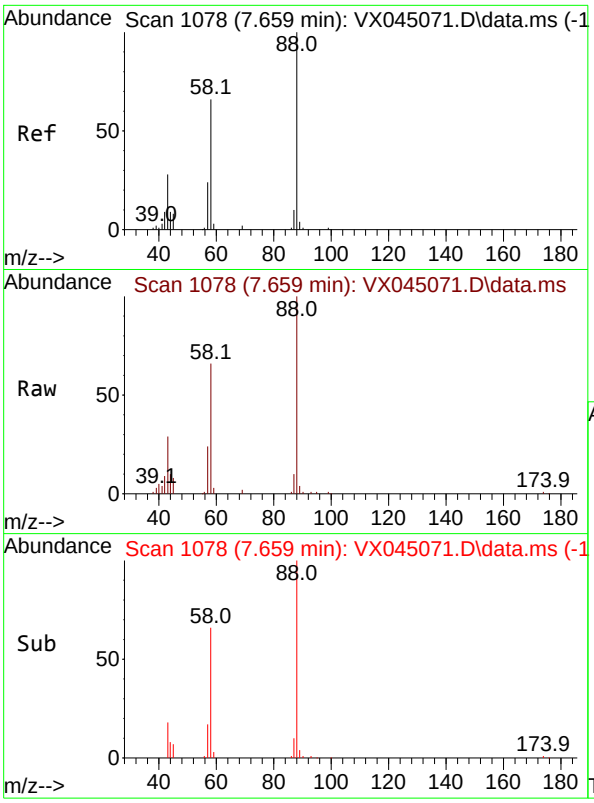


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

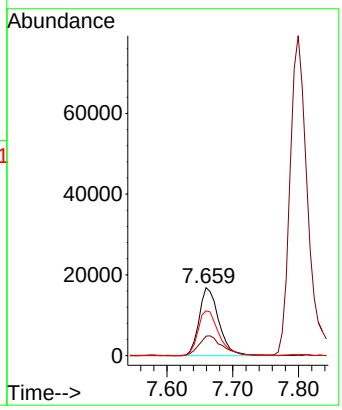
Tgt Ion: 88 Resp: 3505

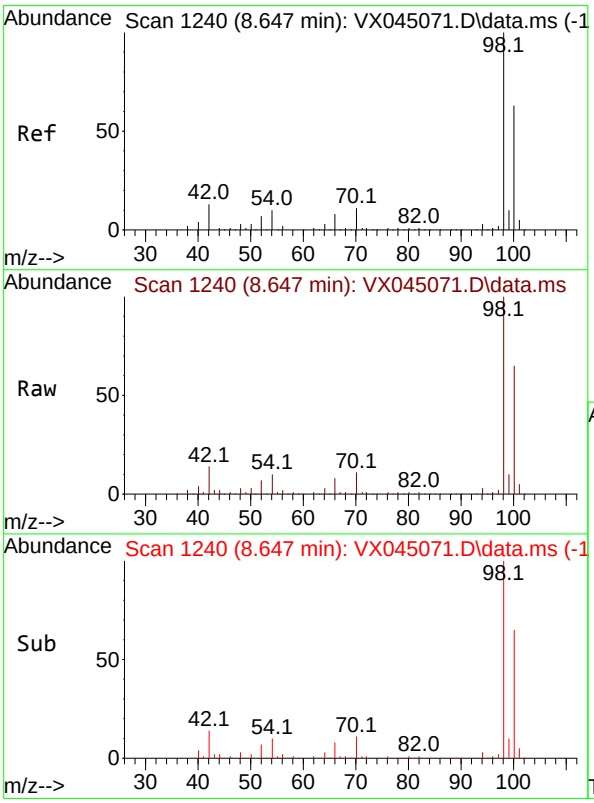
Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

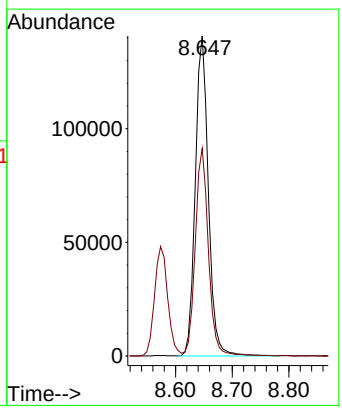


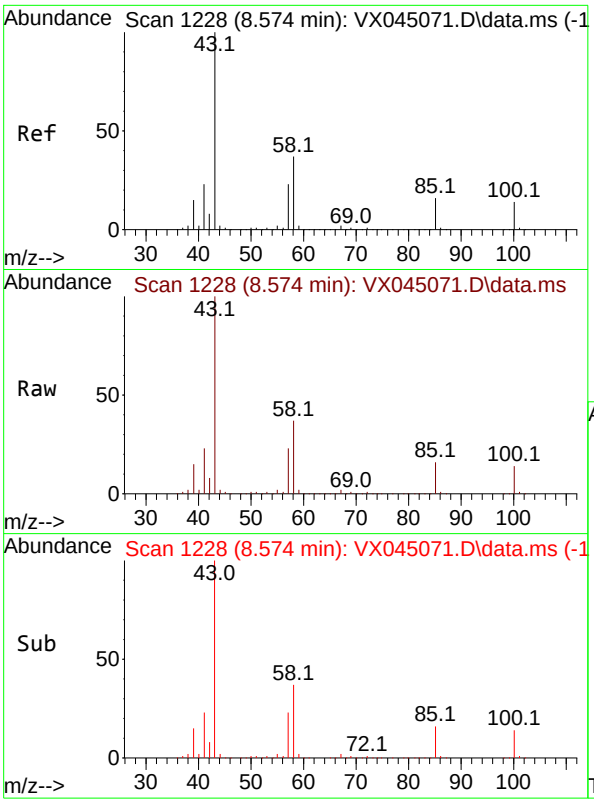


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

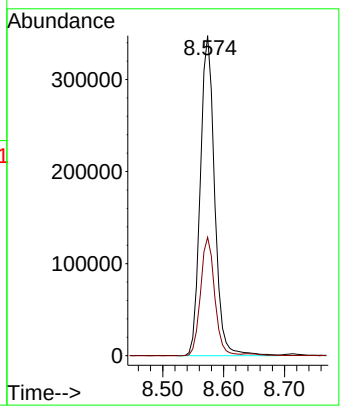




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

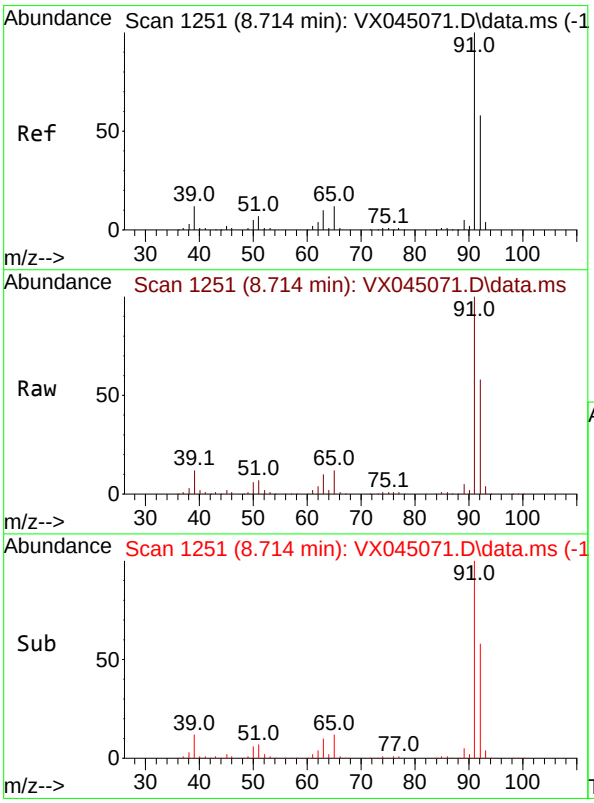
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

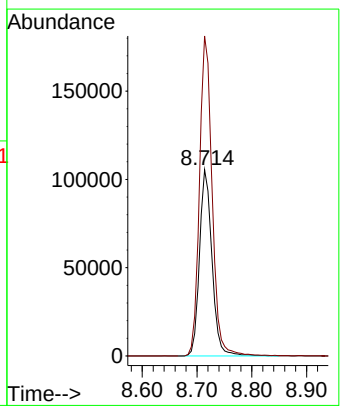
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

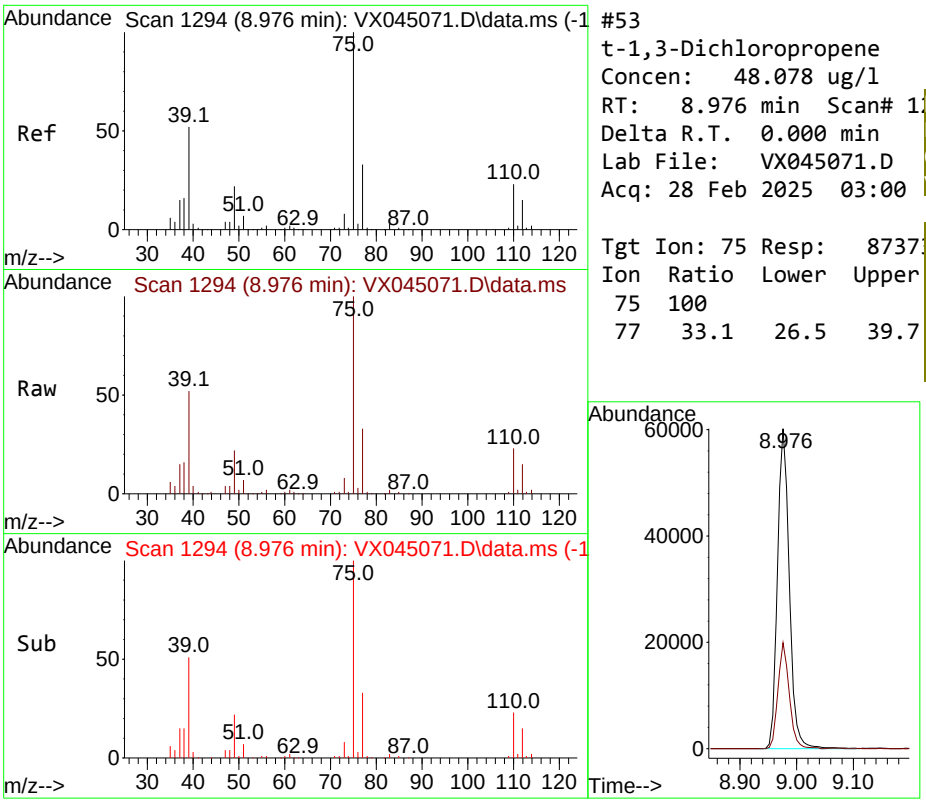


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3





#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

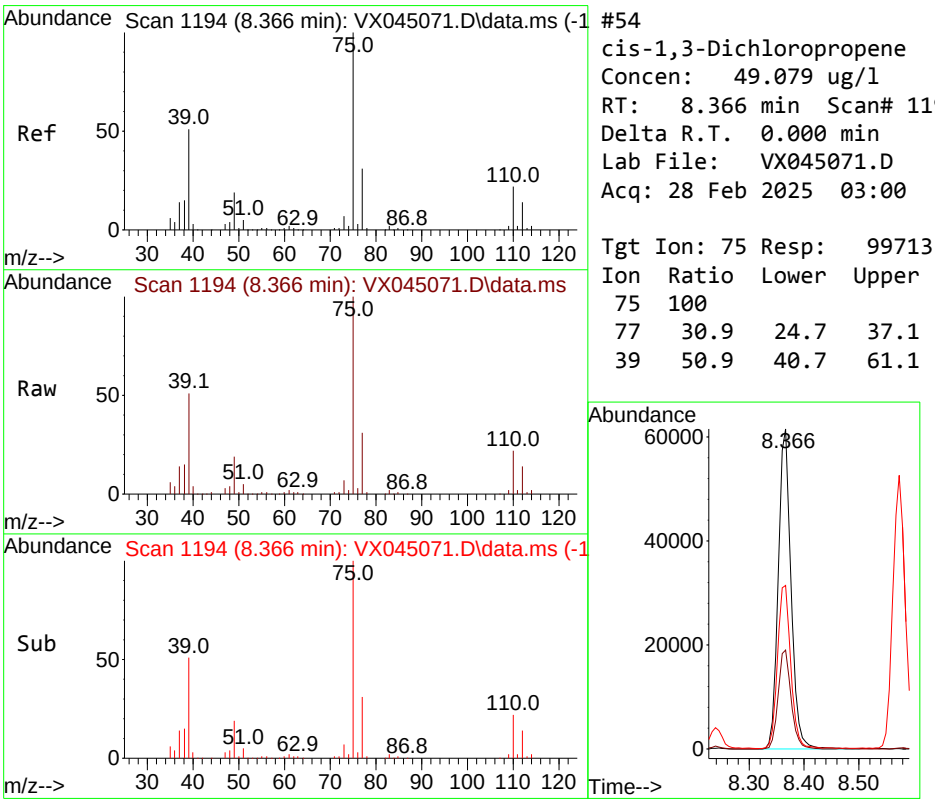
Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

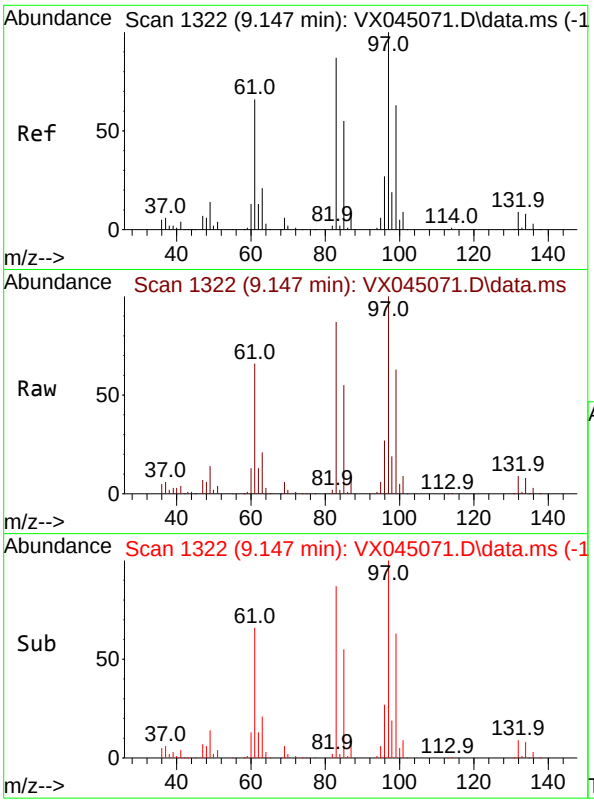
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

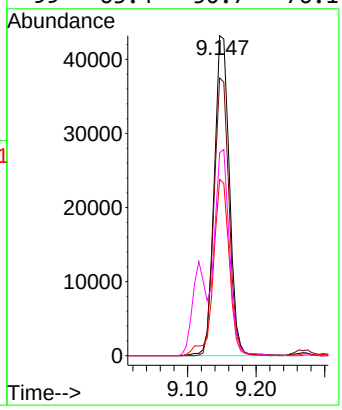
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

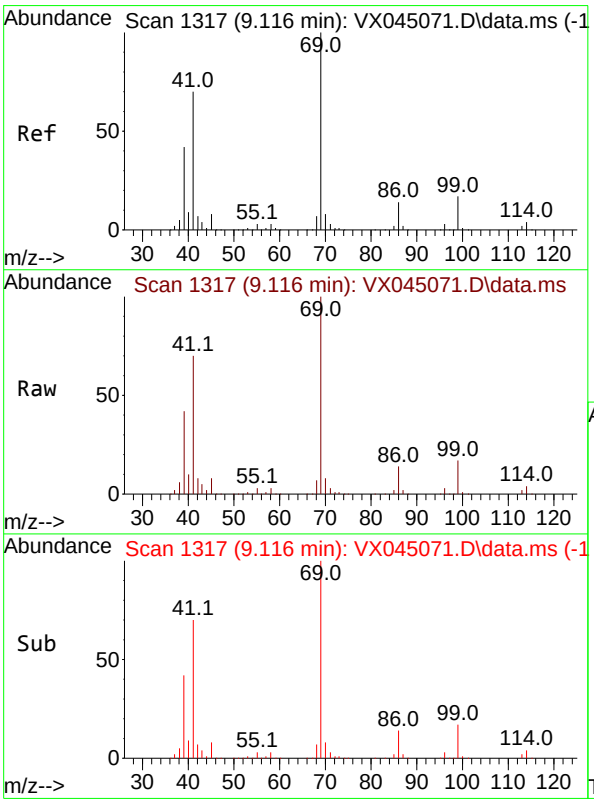
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

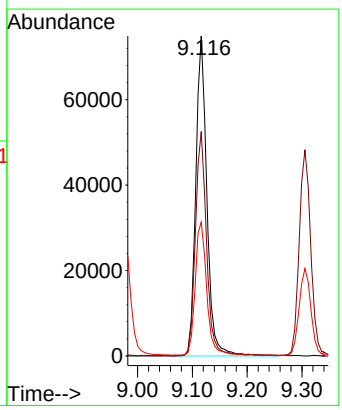
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

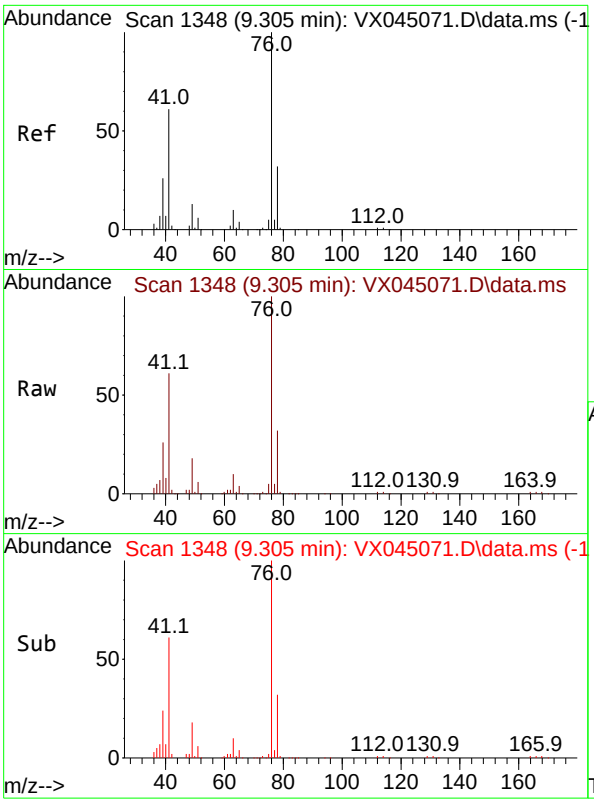


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4





#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

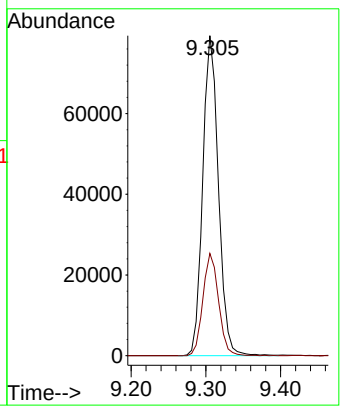
Tgt Ion: 76 Resp: 11548

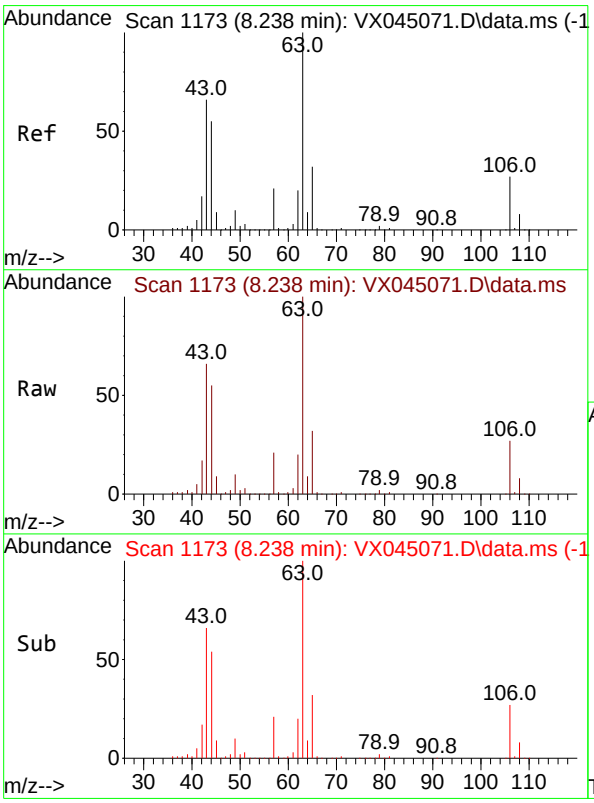
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

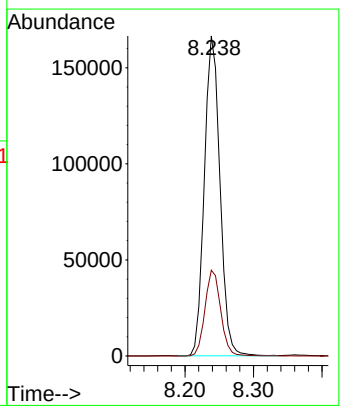


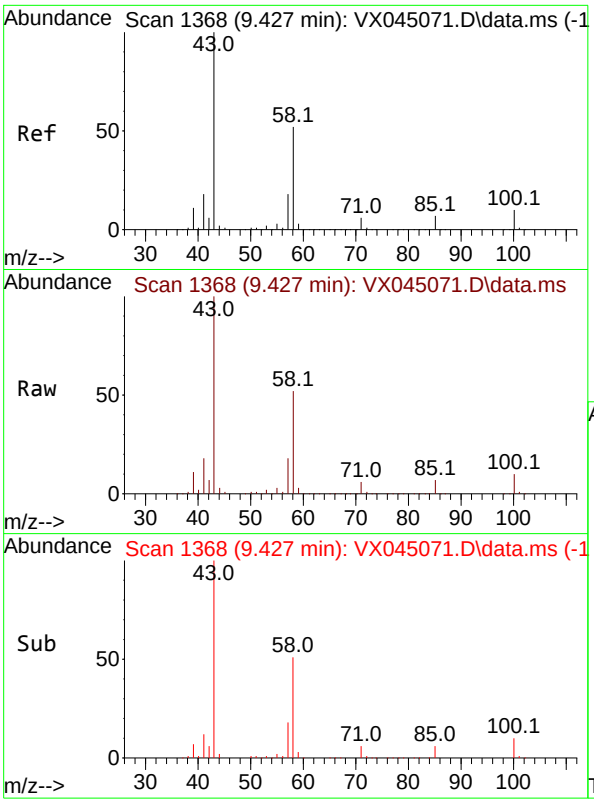


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

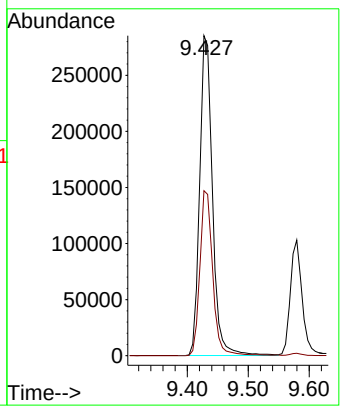
Tgt Ion: 43 Resp: 41698

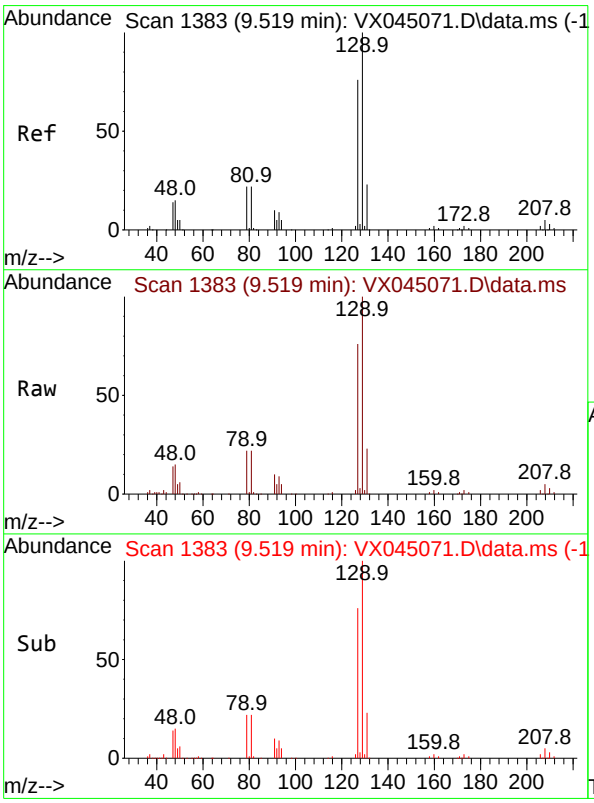
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

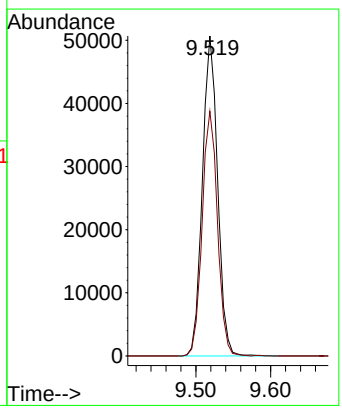


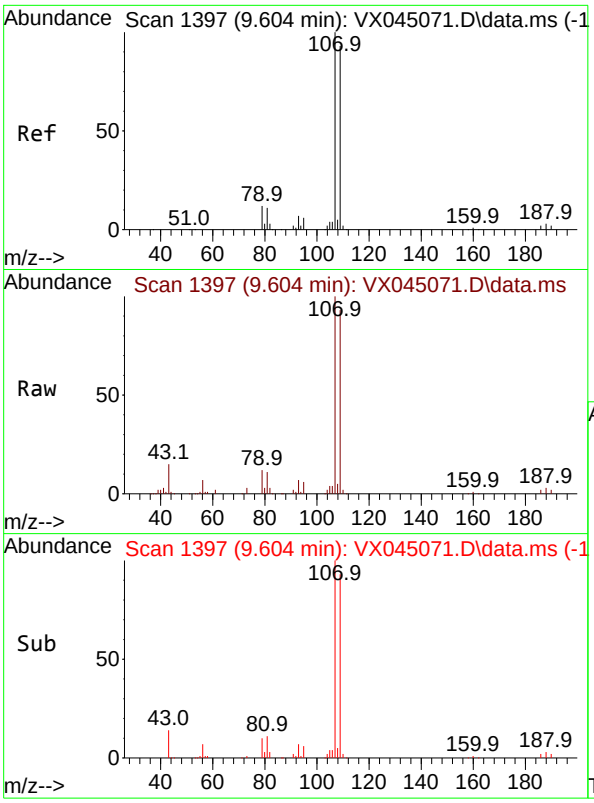


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

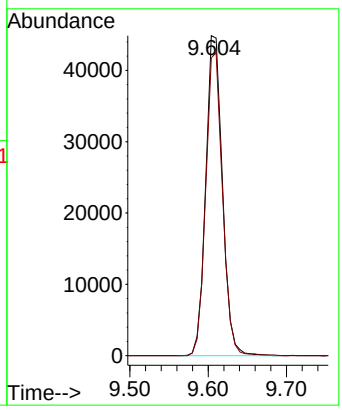




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

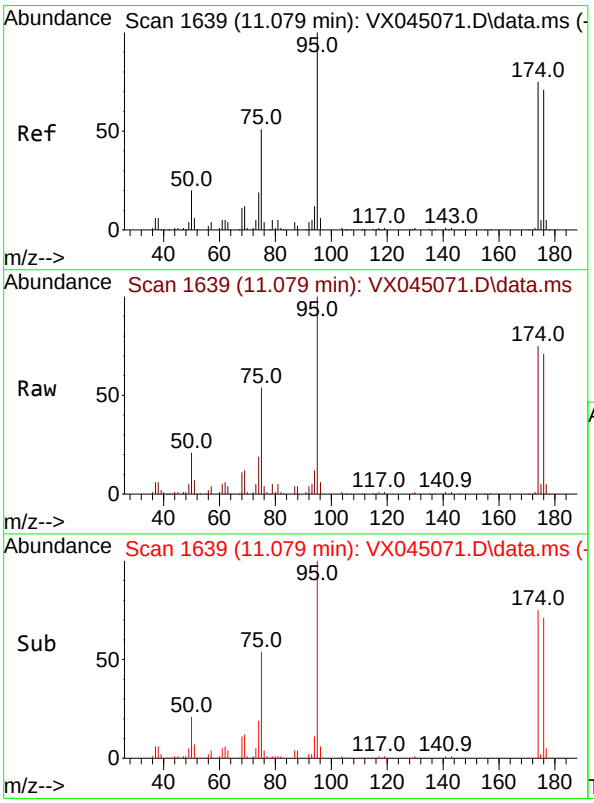
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

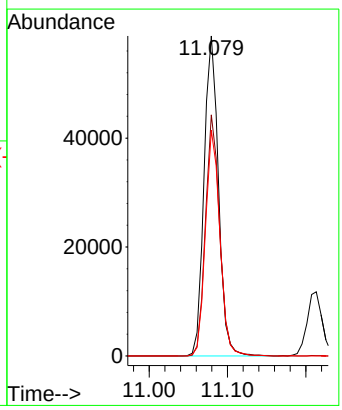
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

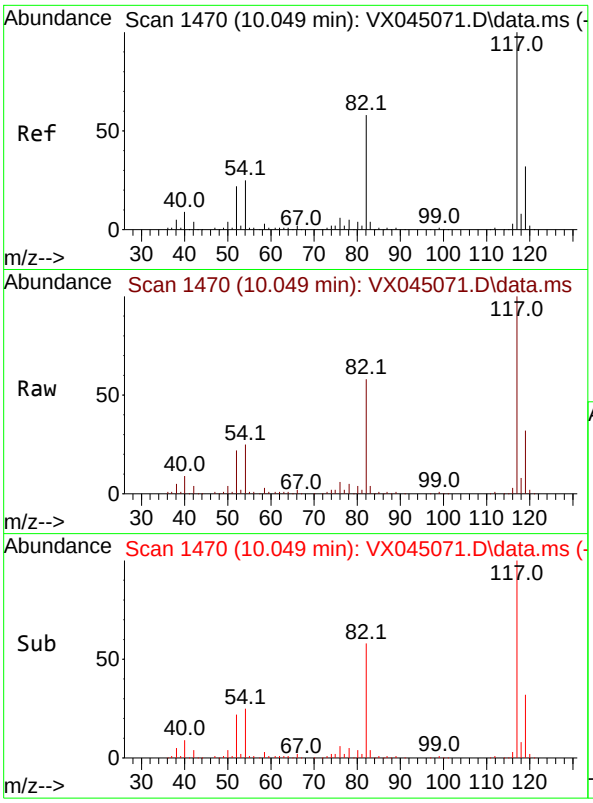


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

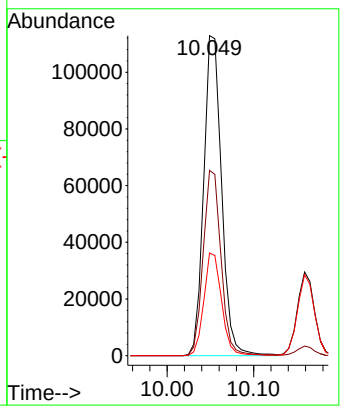
Tgt Ion:117 Resp: 16207

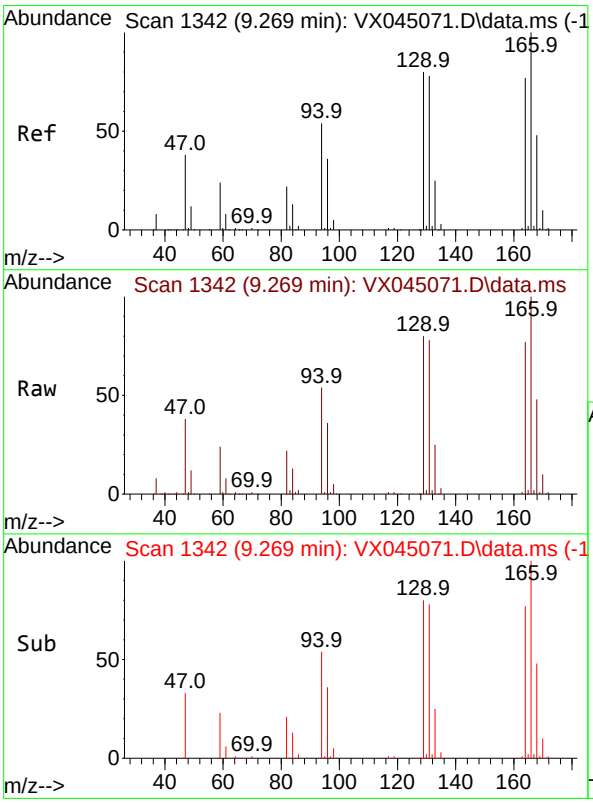
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

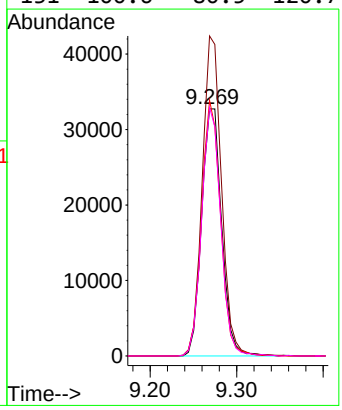


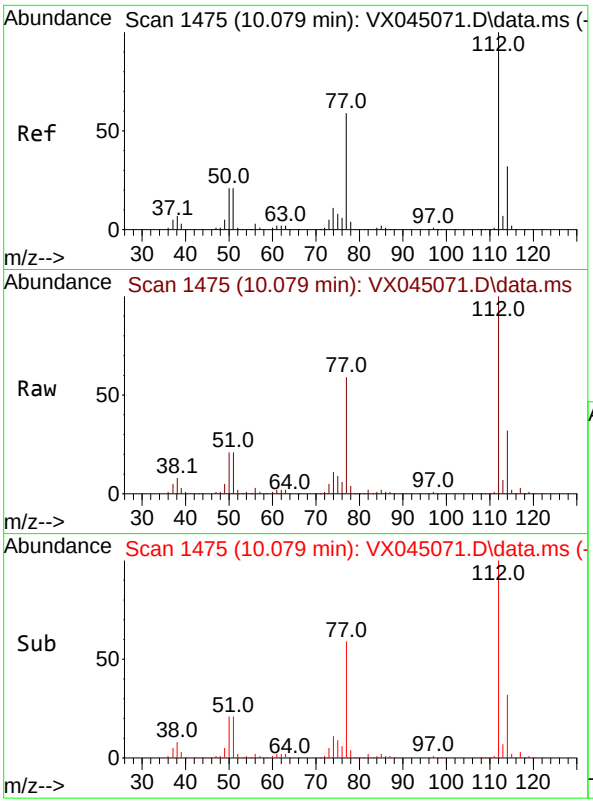


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7

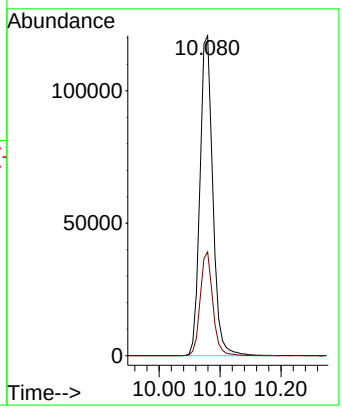




#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:112 Resp: 17692

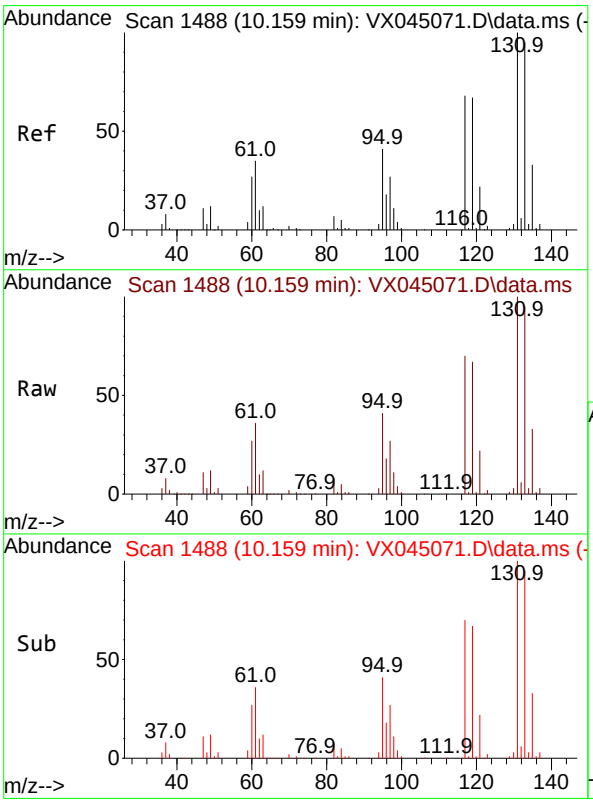
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

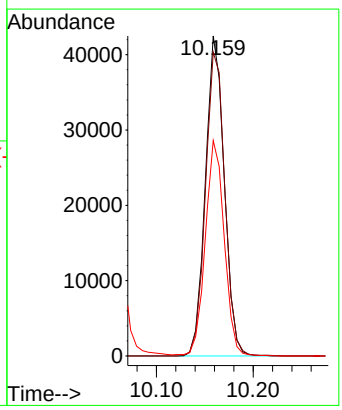
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

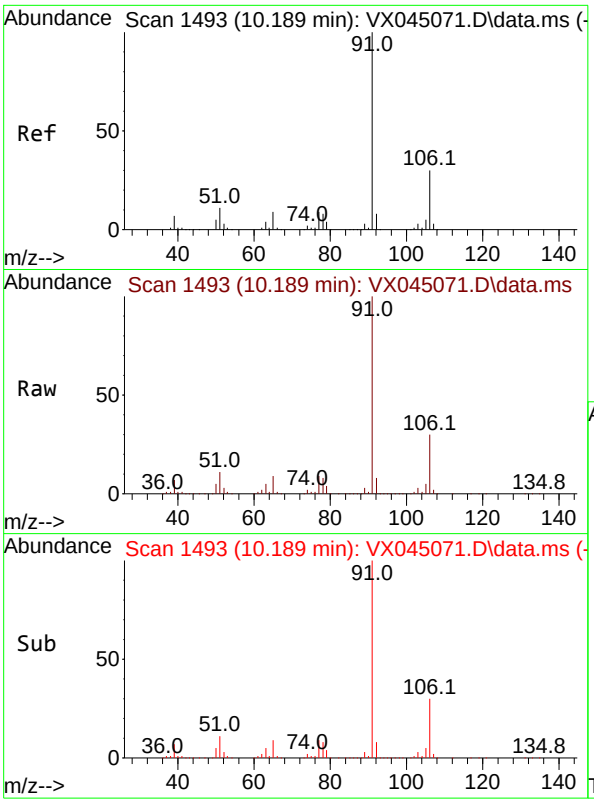


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7

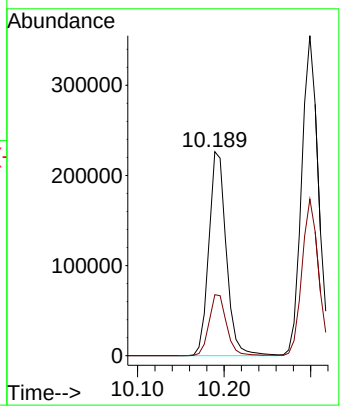




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

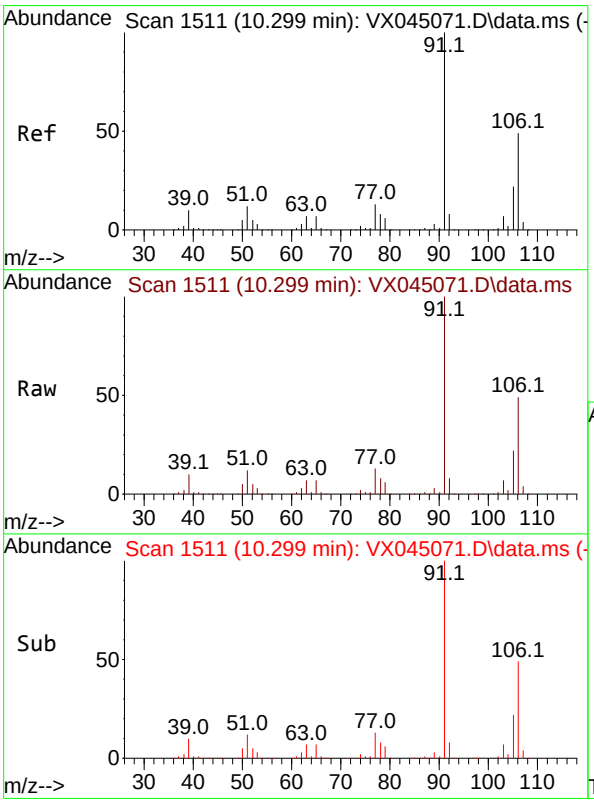
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

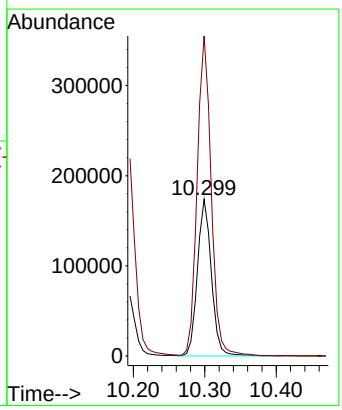
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

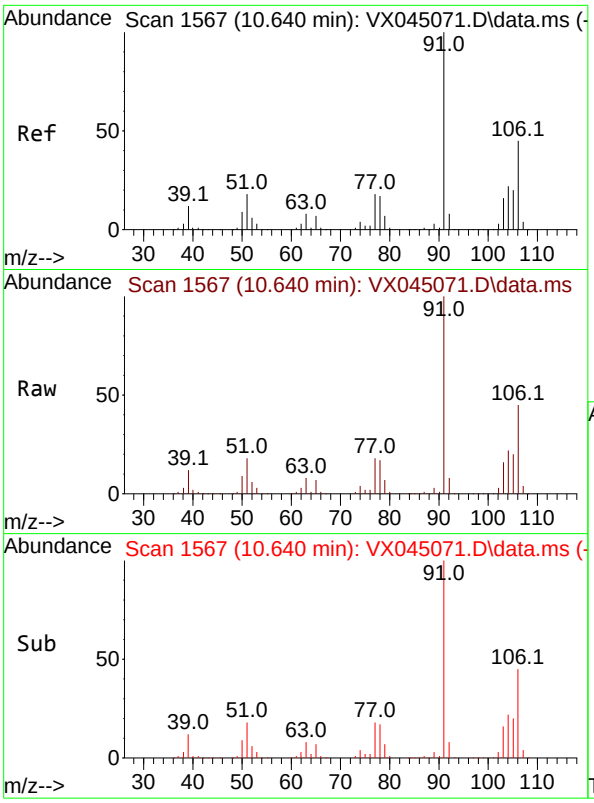


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

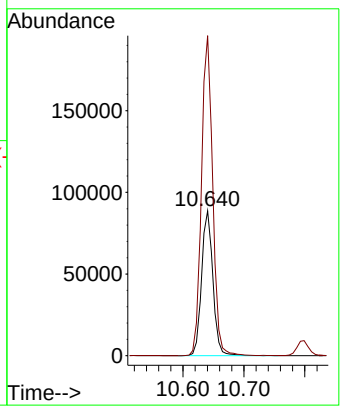




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 11444

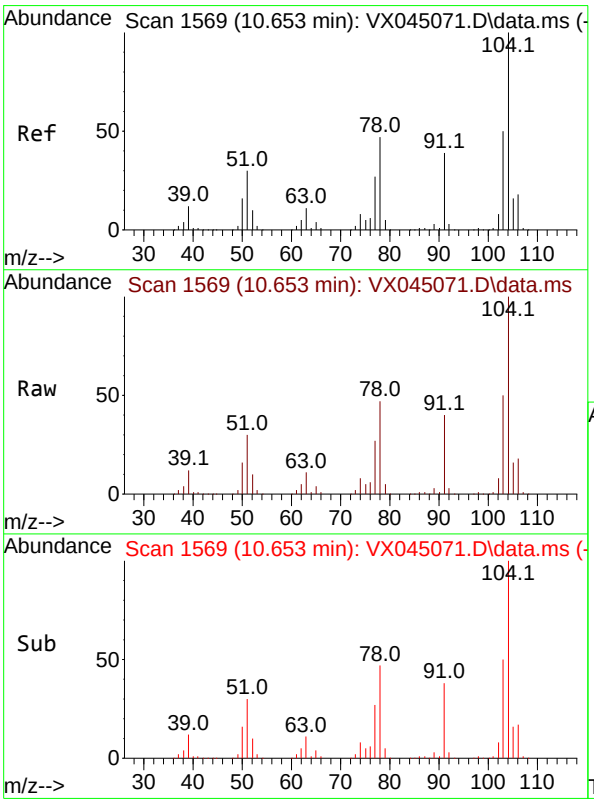
Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

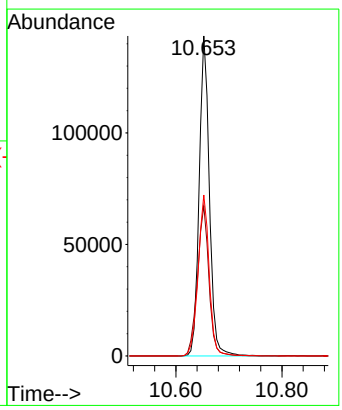
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

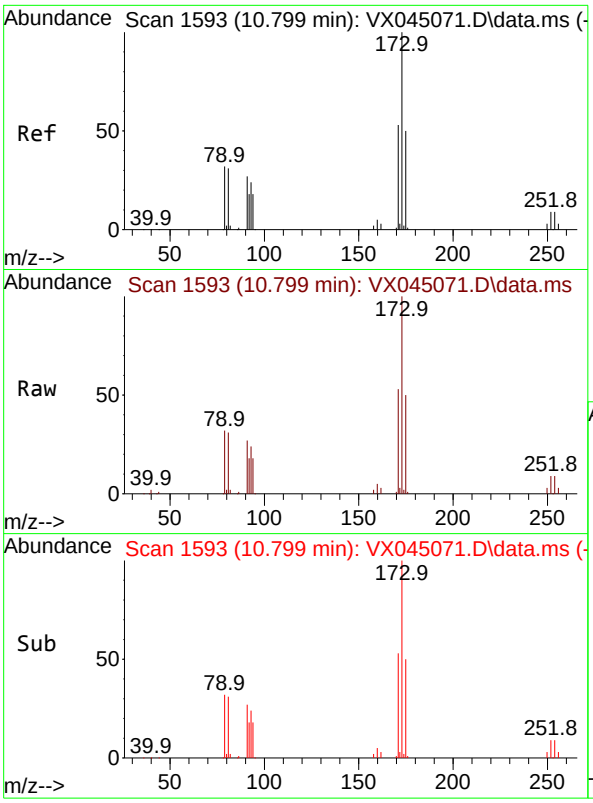


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8

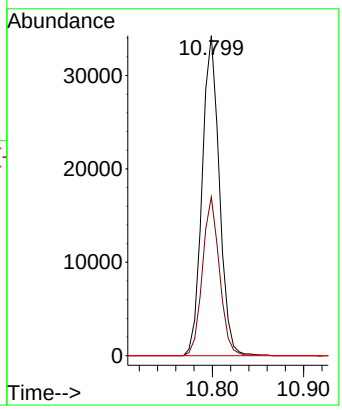




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

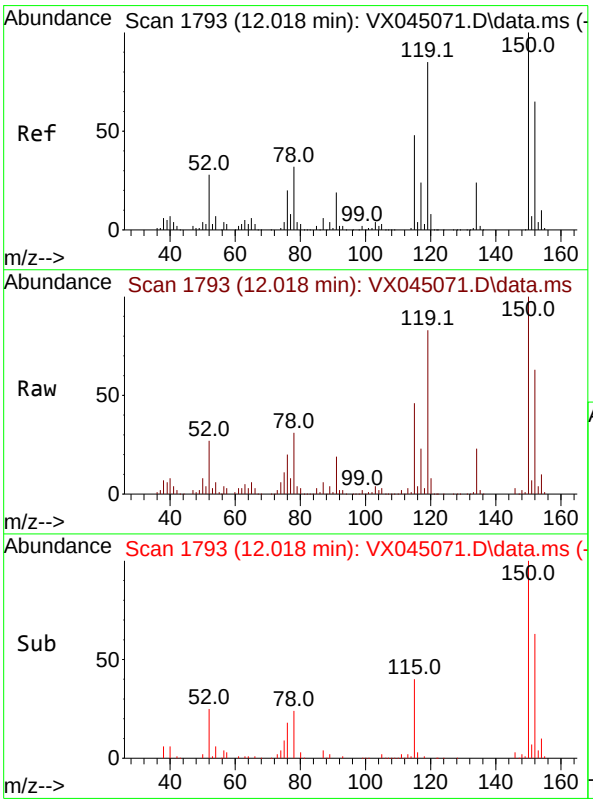
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

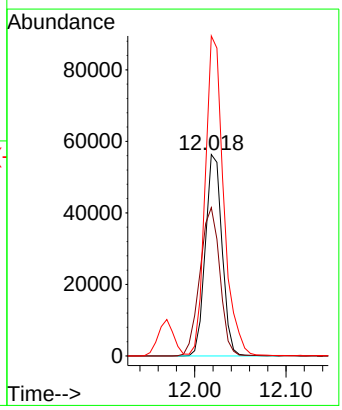
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

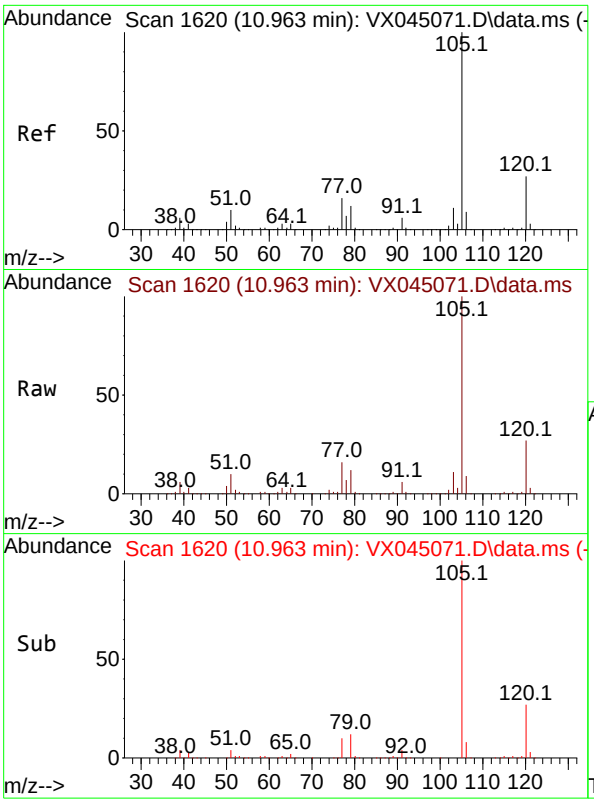


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0

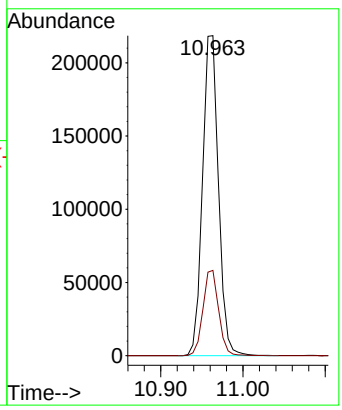




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

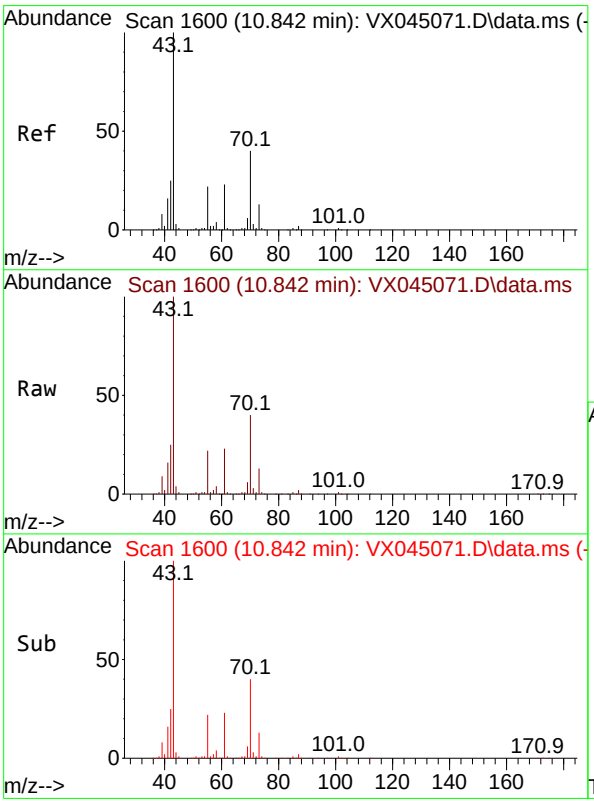
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

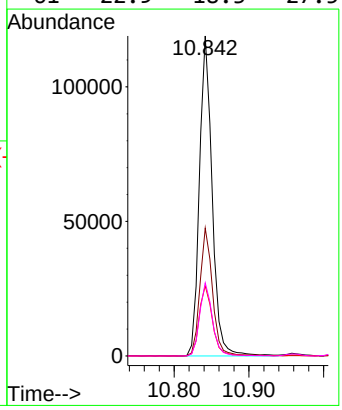
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

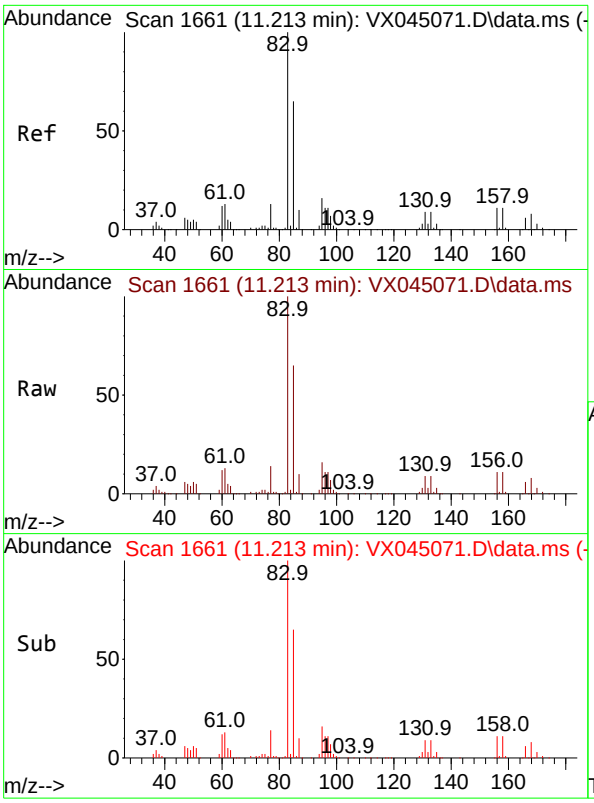


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5

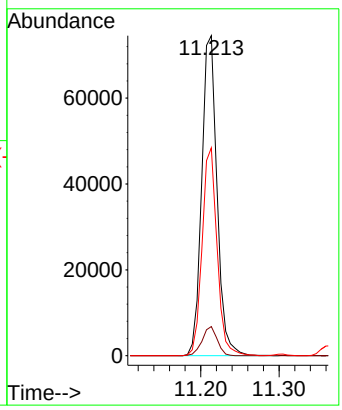




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

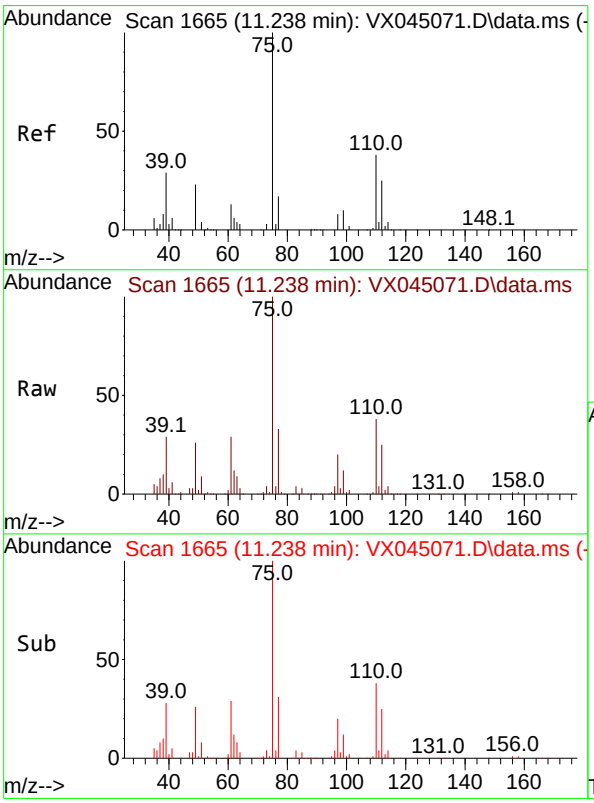
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

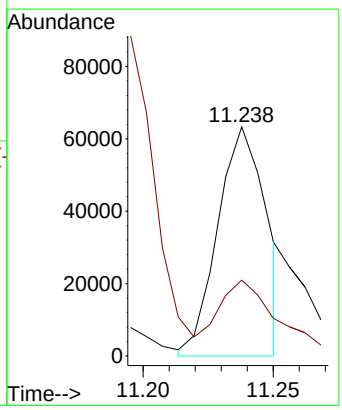
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

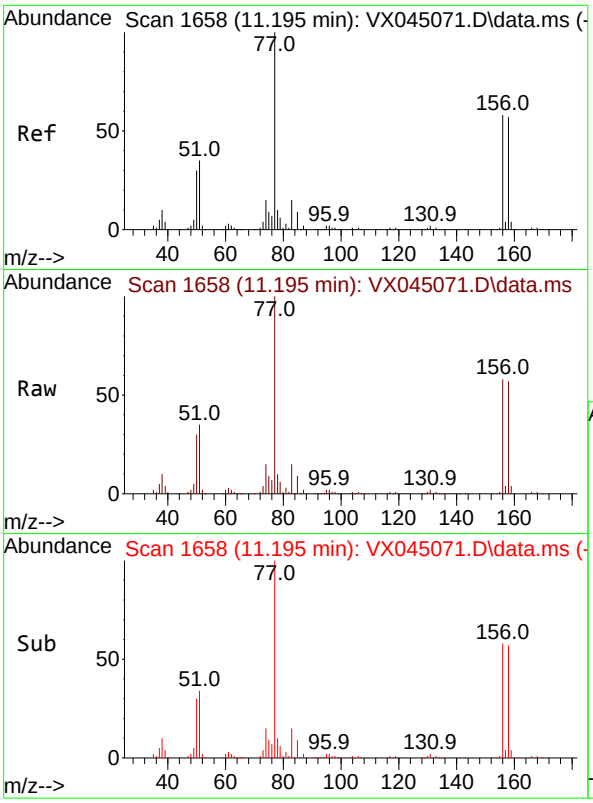


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1

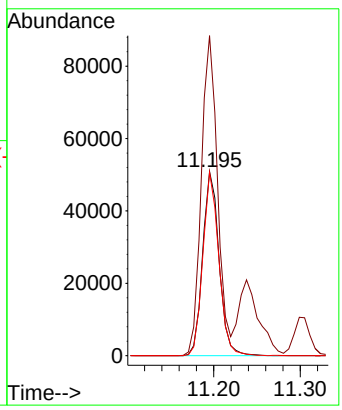




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:156 Resp: 6690

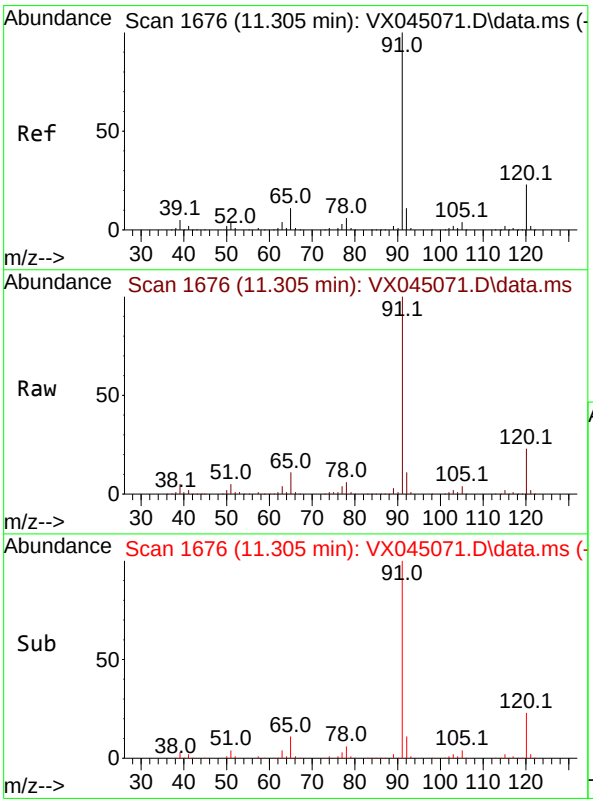
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

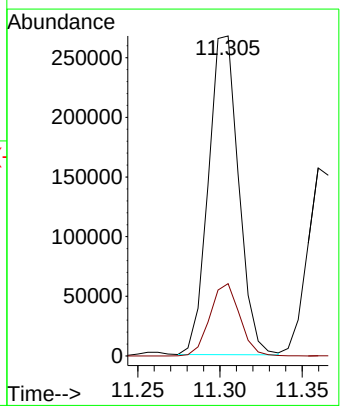
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

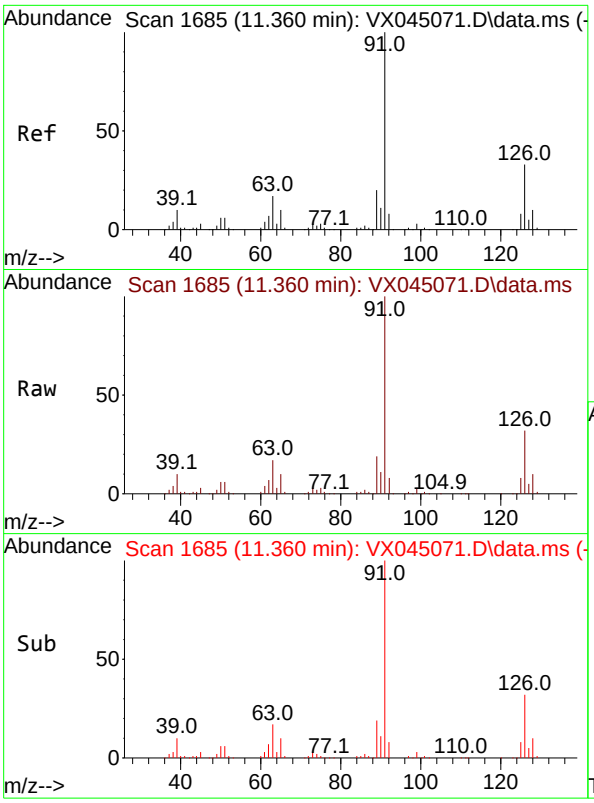


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

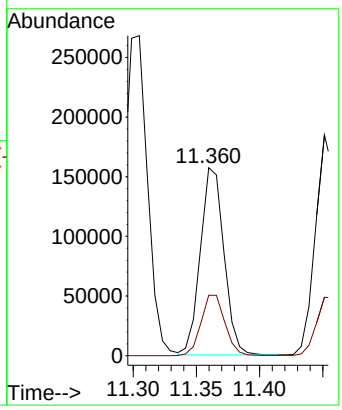




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

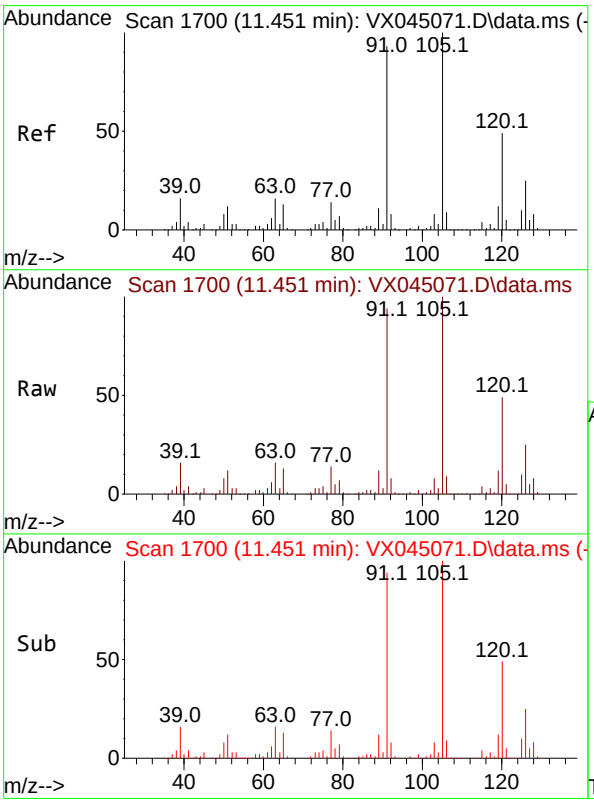
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

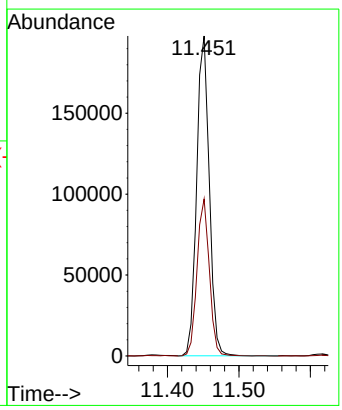
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

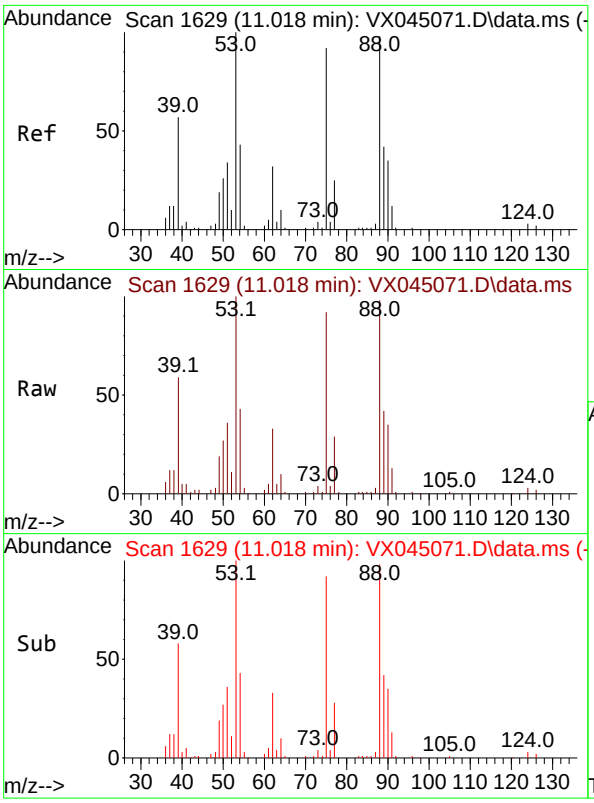


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2

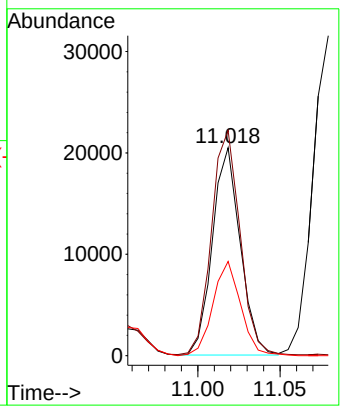




#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 2413

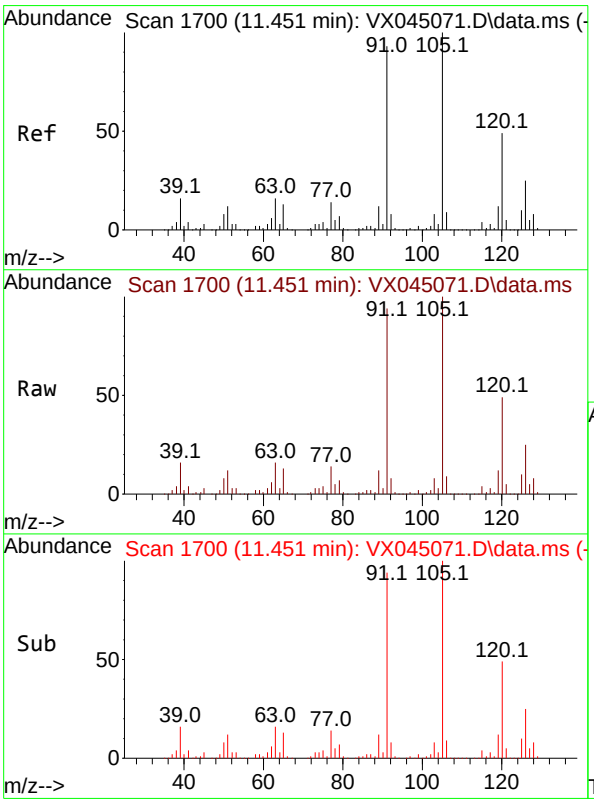
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

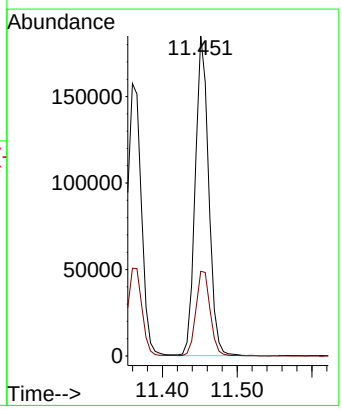
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

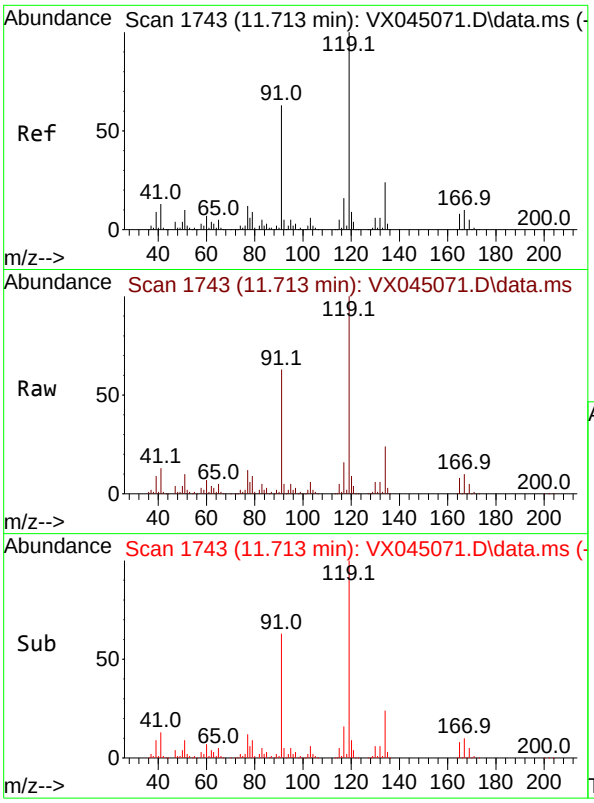


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

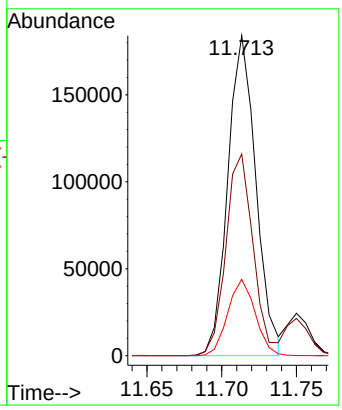




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

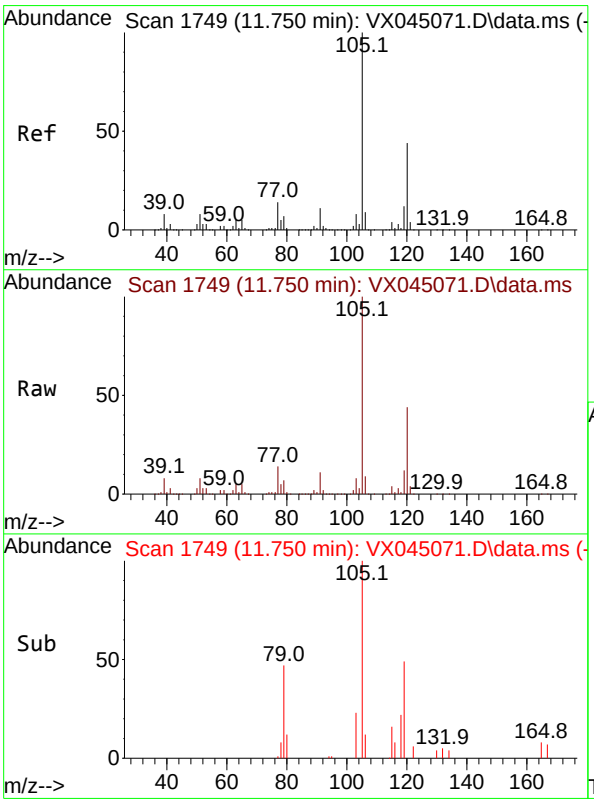
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

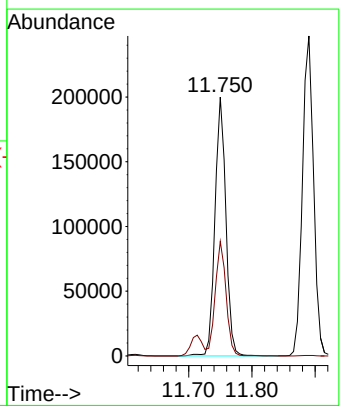
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

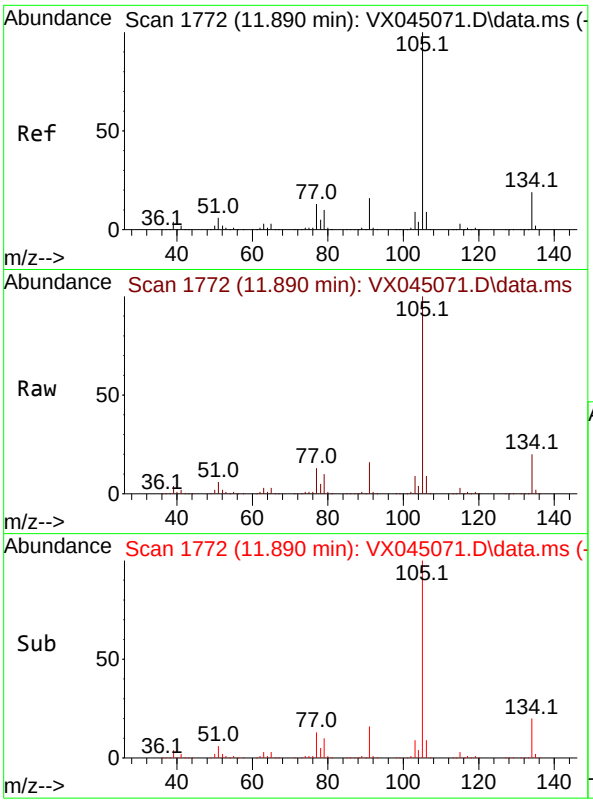


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

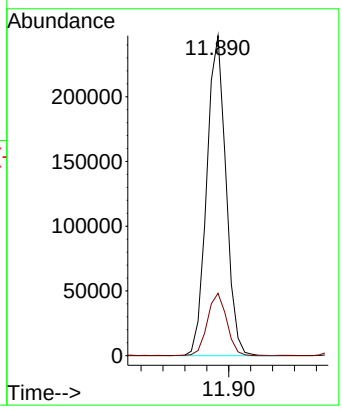




#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 30039

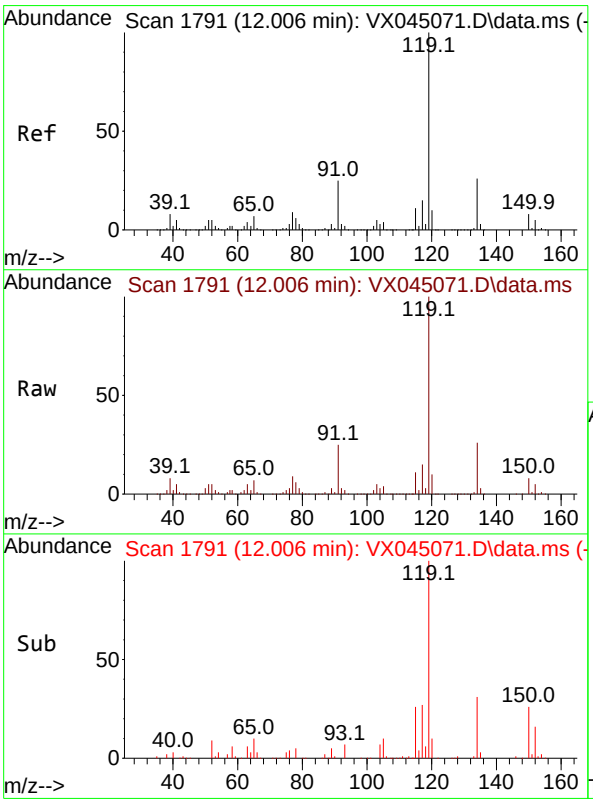
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

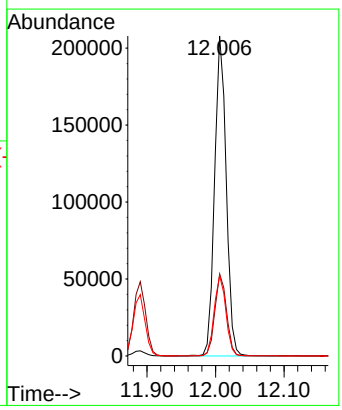
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

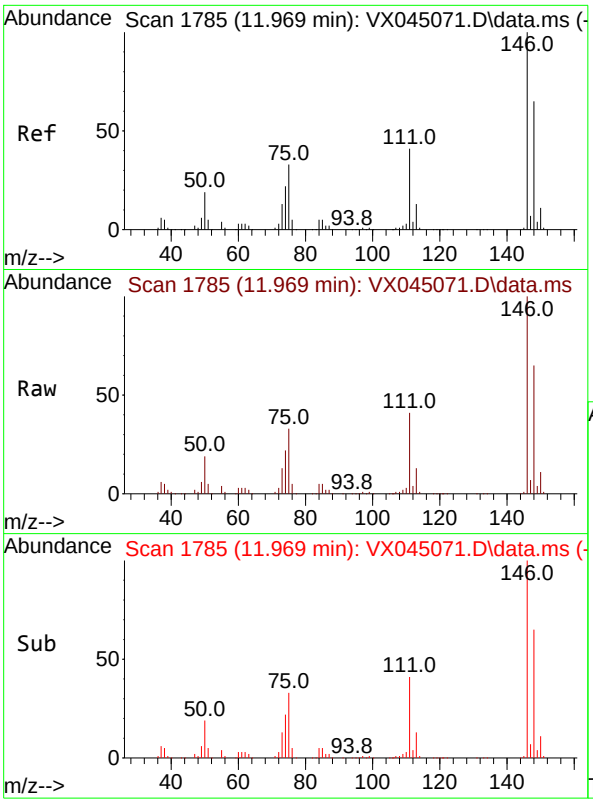


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0

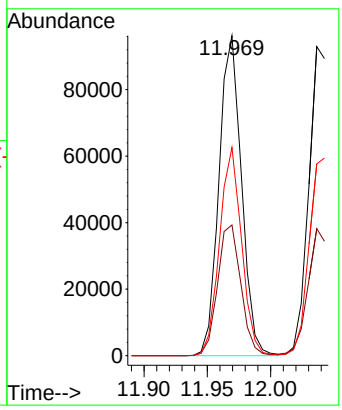




#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11887

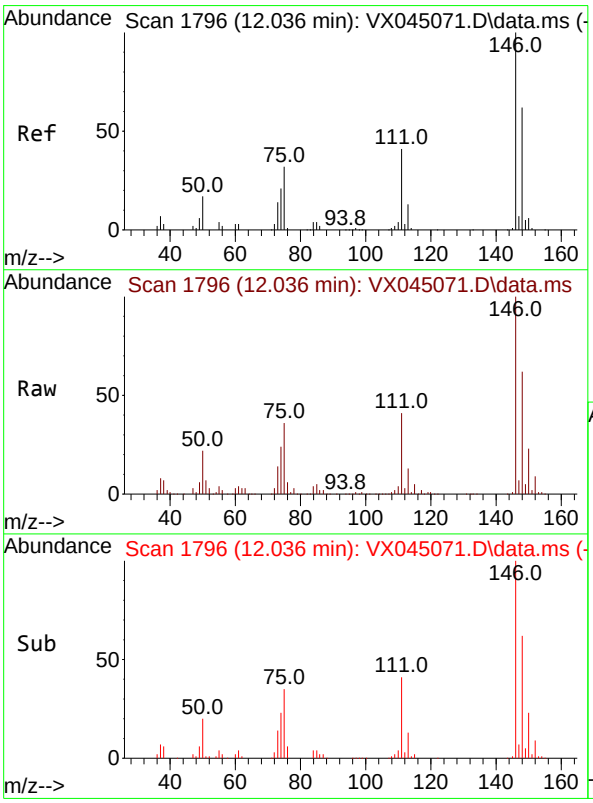
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

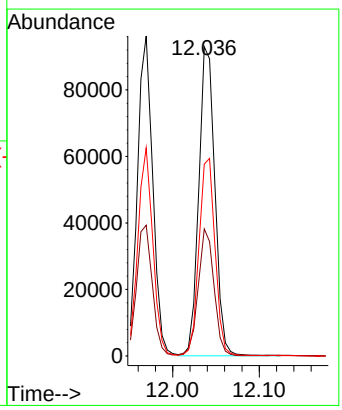
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

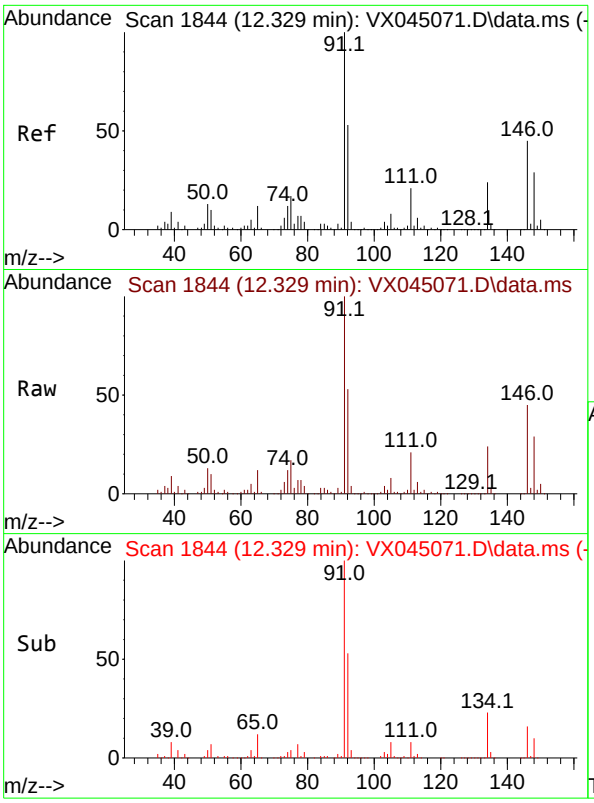


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9

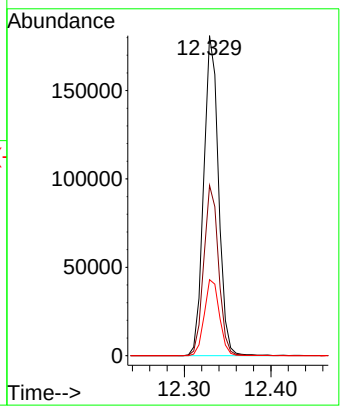




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

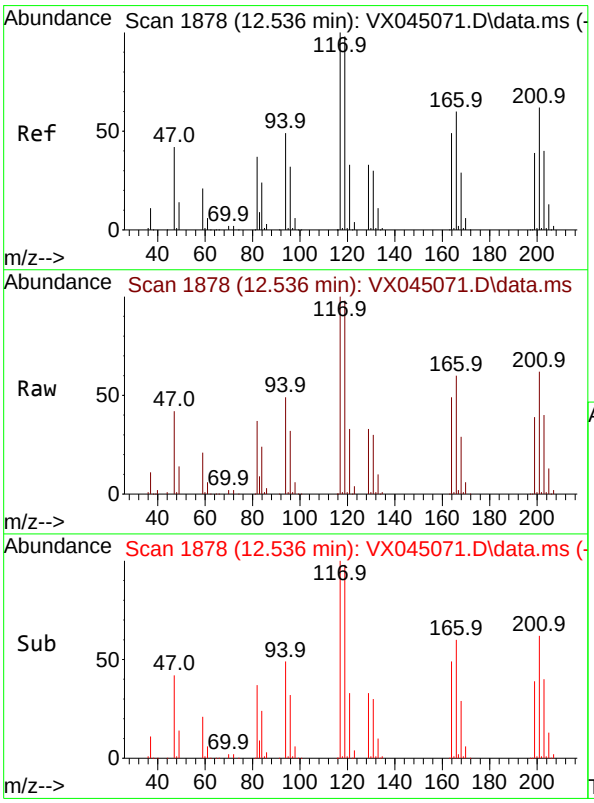
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

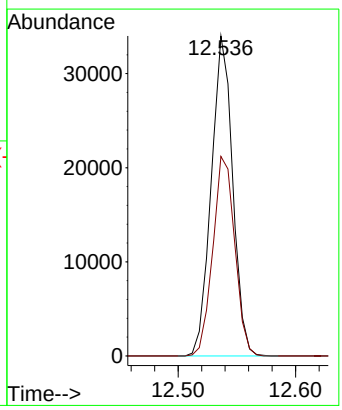
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

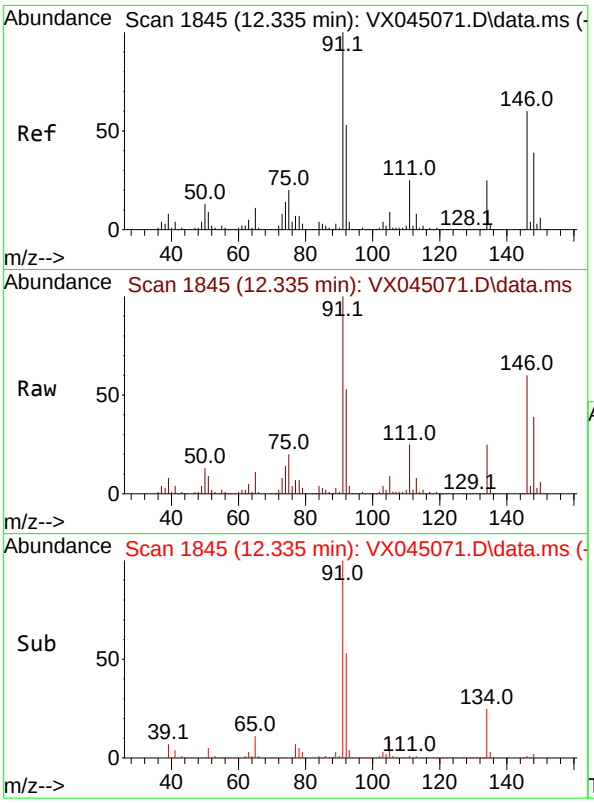


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

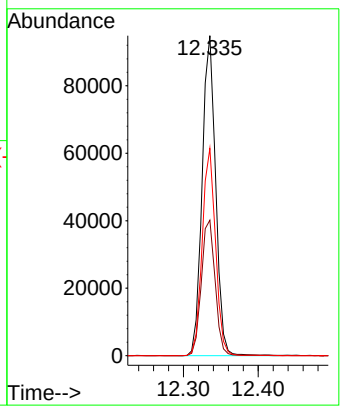




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

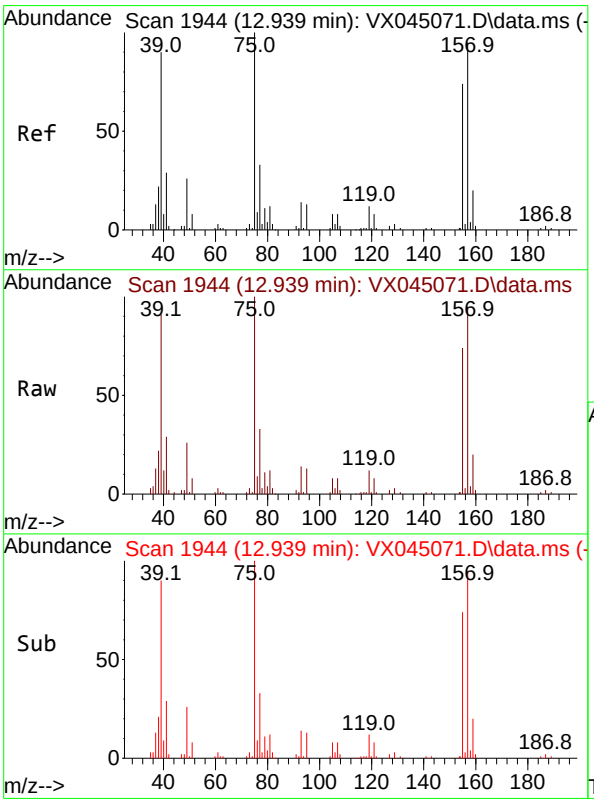
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

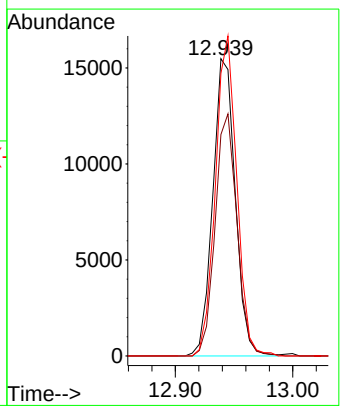
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

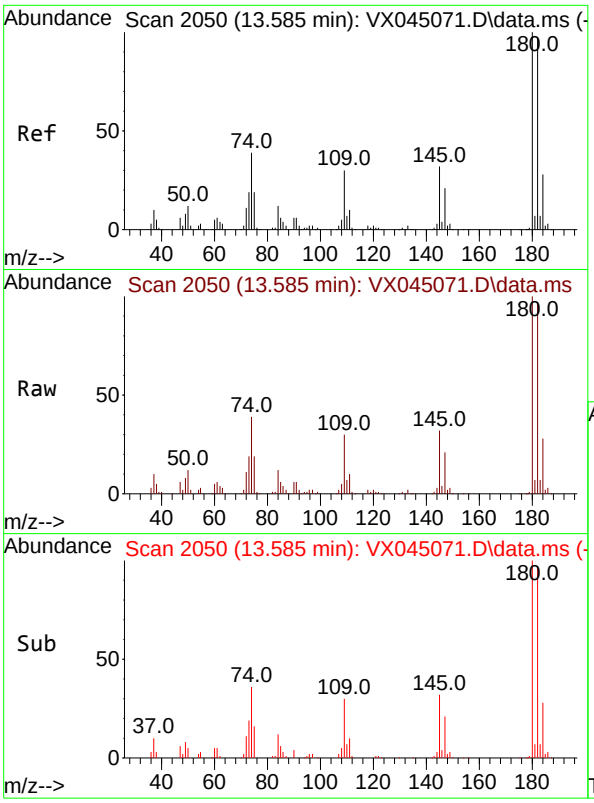


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4

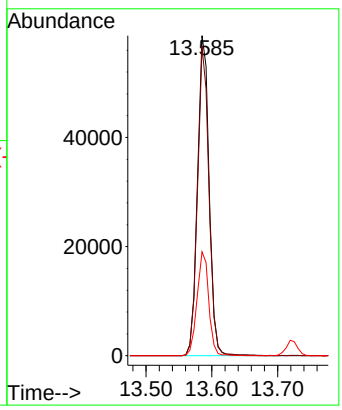




#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

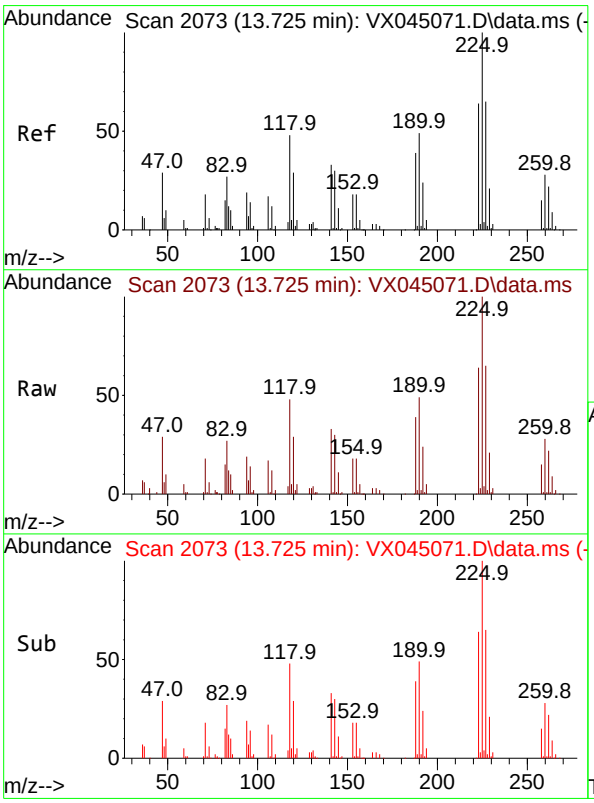
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

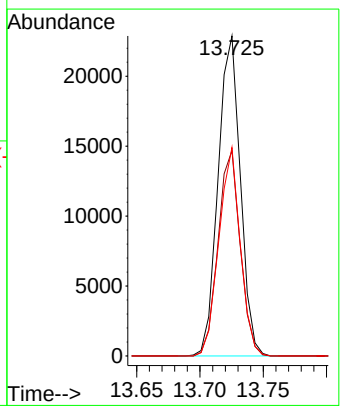
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

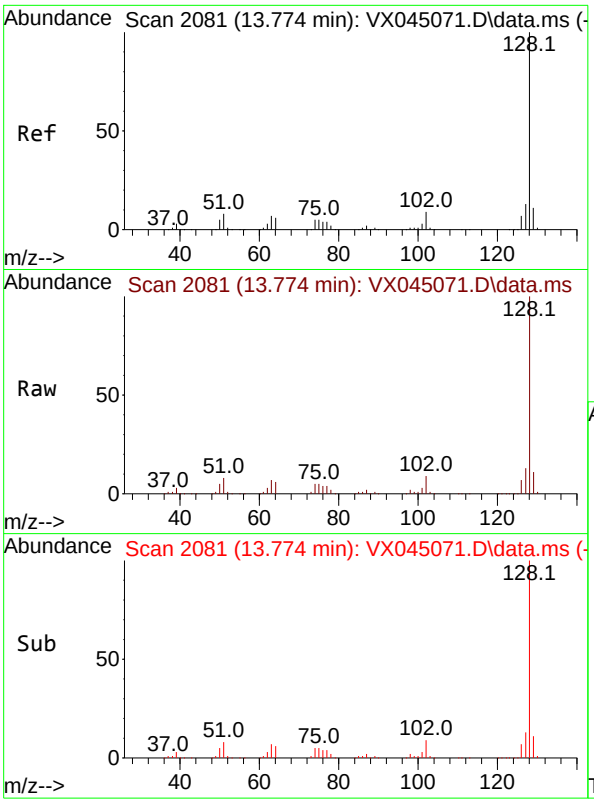


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0

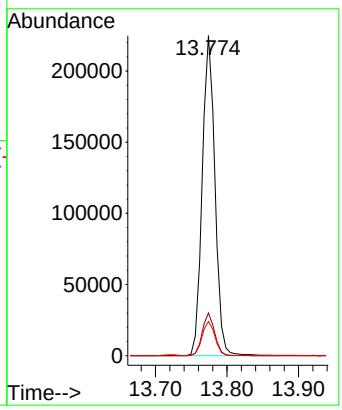




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

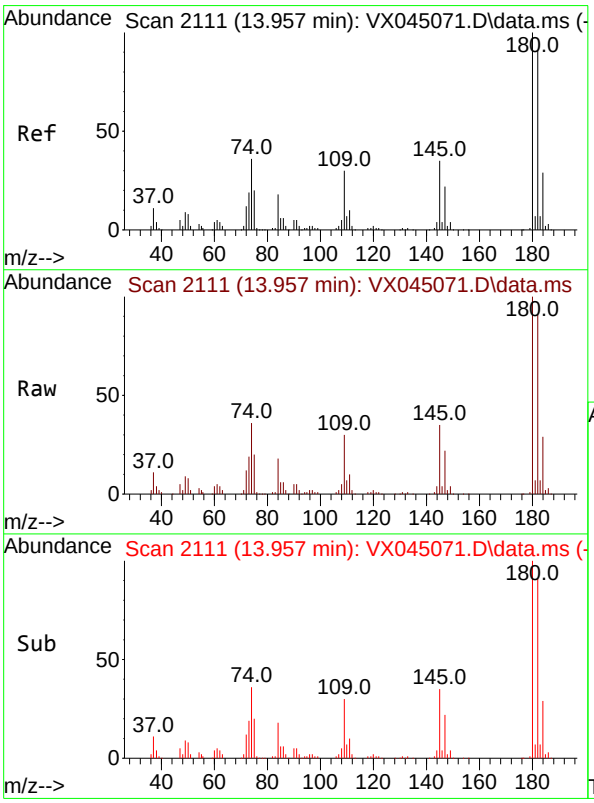
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

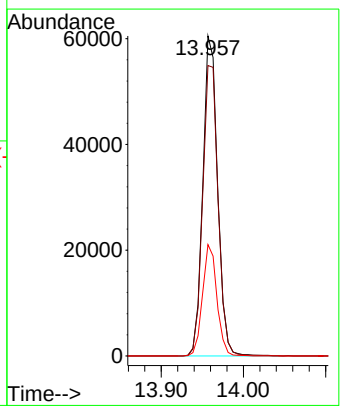
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l		98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l		99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l		99
44) Trichloroethene	7.122	130	128124	105.402 ug/l		96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l		100
46) Dibromomethane	7.580	93	97248	105.329 ug/l		99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l		97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l		99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l		99
52) Toluene	8.714	92	316349	100.178 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l		99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l		100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l		99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l		99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l		99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l		99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l		98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l		96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l		100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l		99
69) o-Xylene	10.640	106	213835	100.849 ug/l		99
70) Styrene	10.652	104	357649	104.948 ug/l		99
71) Bromoform	10.799	173	90800	116.751 ug/l	#	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l		99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395 ug/l		
77) Bromobenzene	11.195	156	125700	99.175 ug/l		97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l		99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l		99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l		100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l		99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l		100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l		99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l		99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l		99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l		99
95) Naphthalene	13.774	128	565250	112.593 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

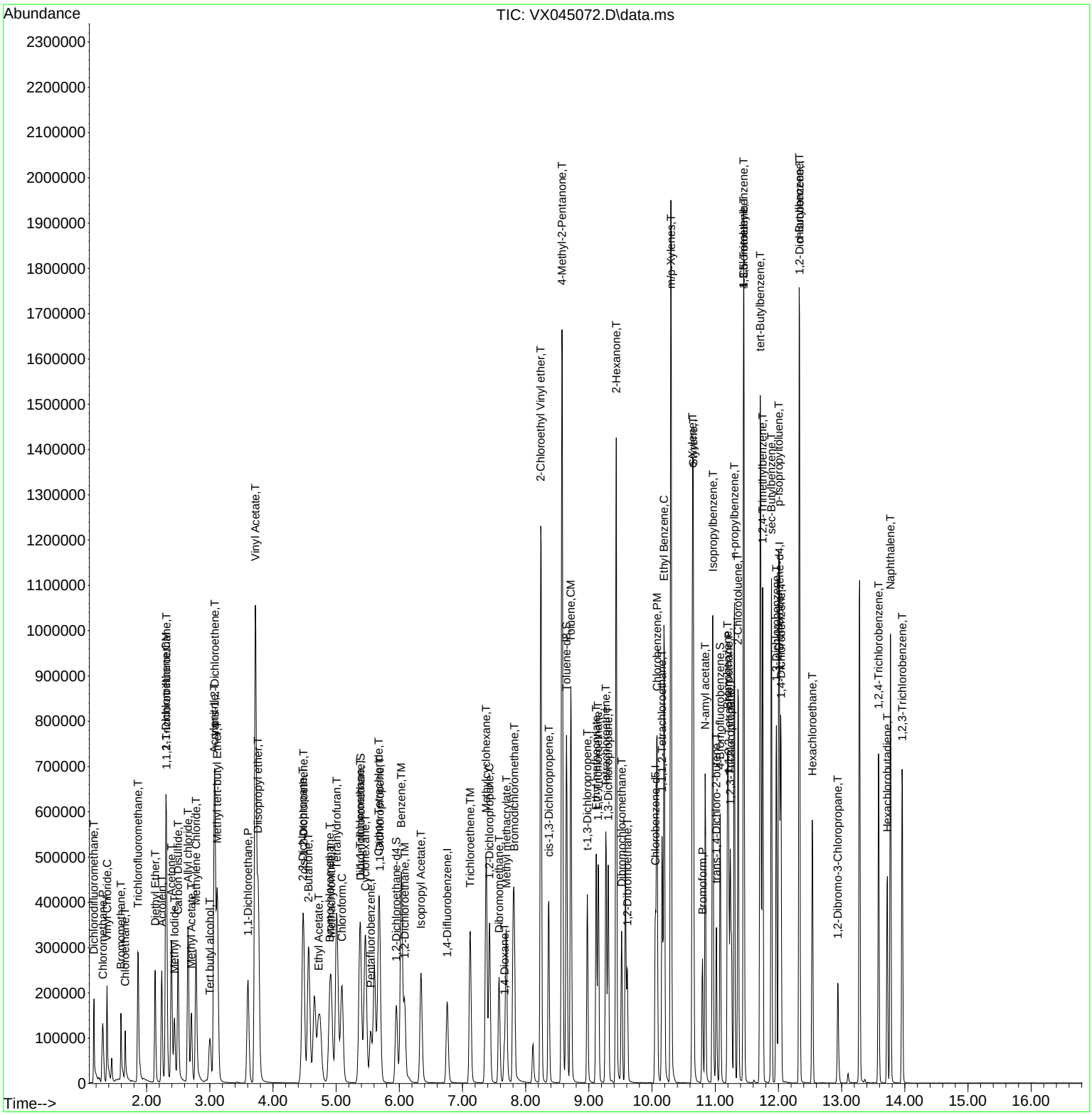
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Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

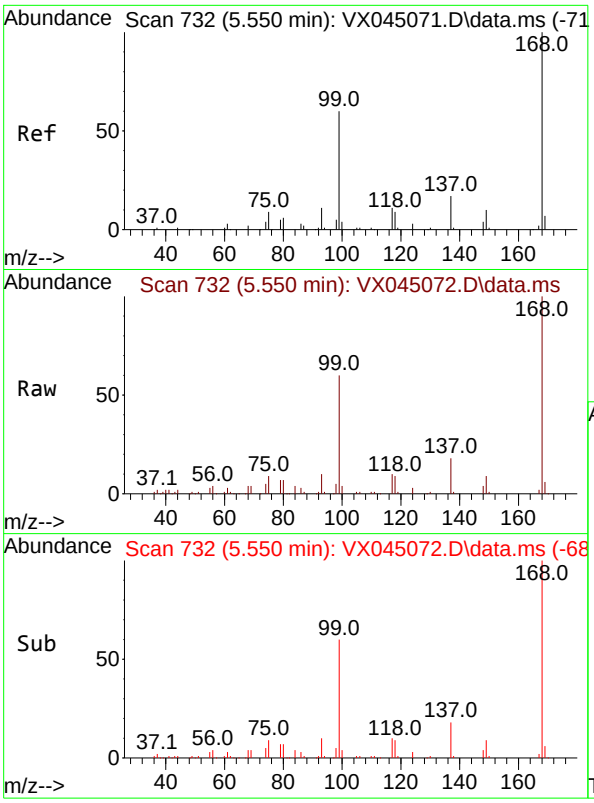
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

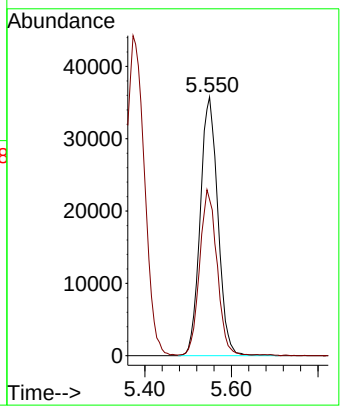




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

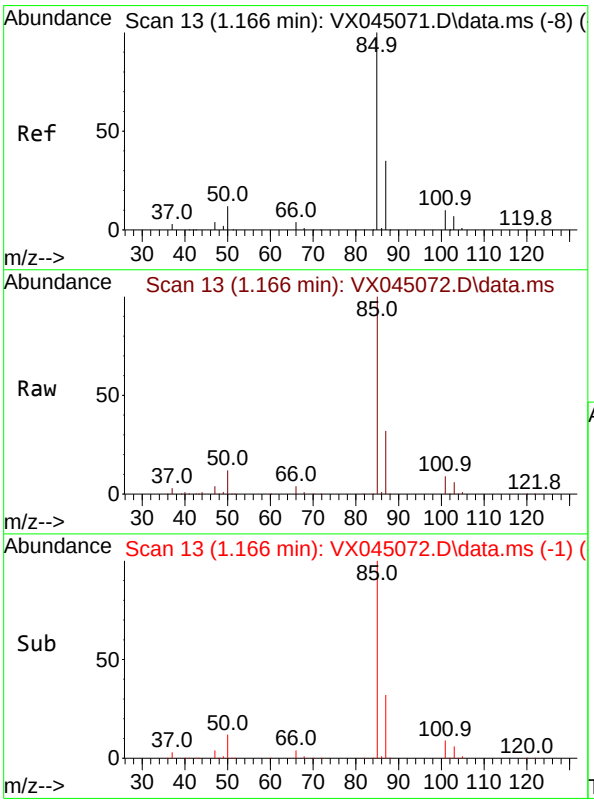
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

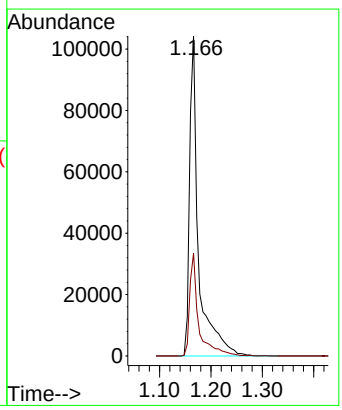
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

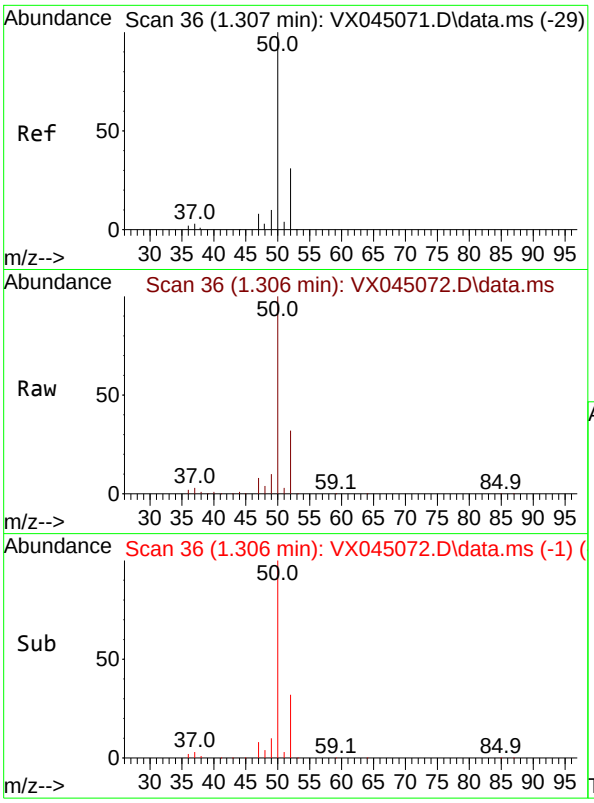


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3

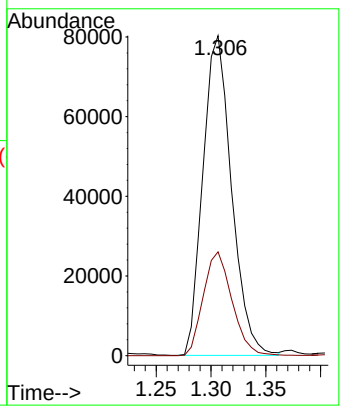




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 50 Resp: 14582

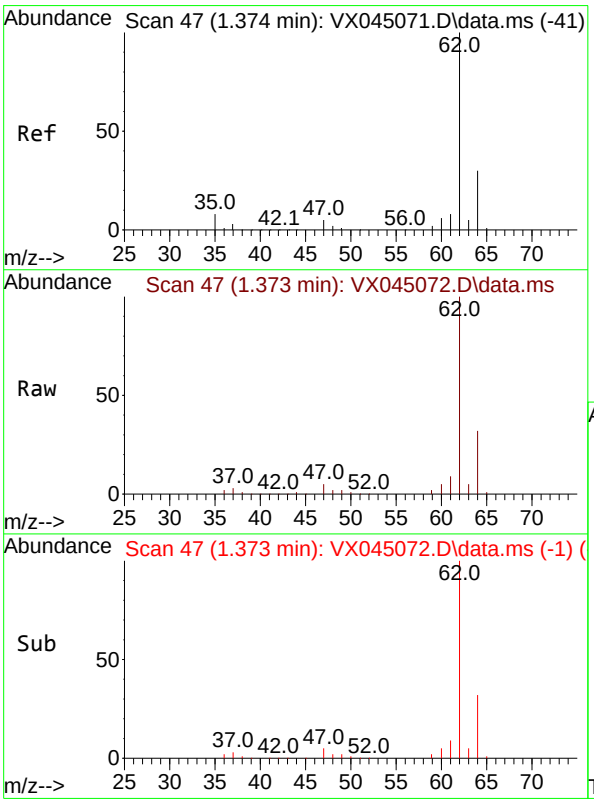
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

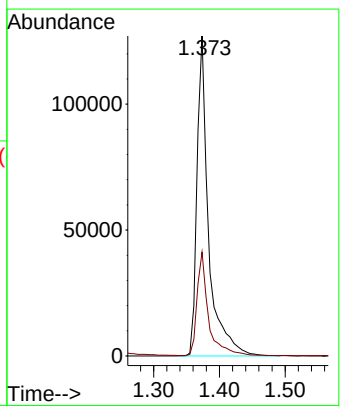
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

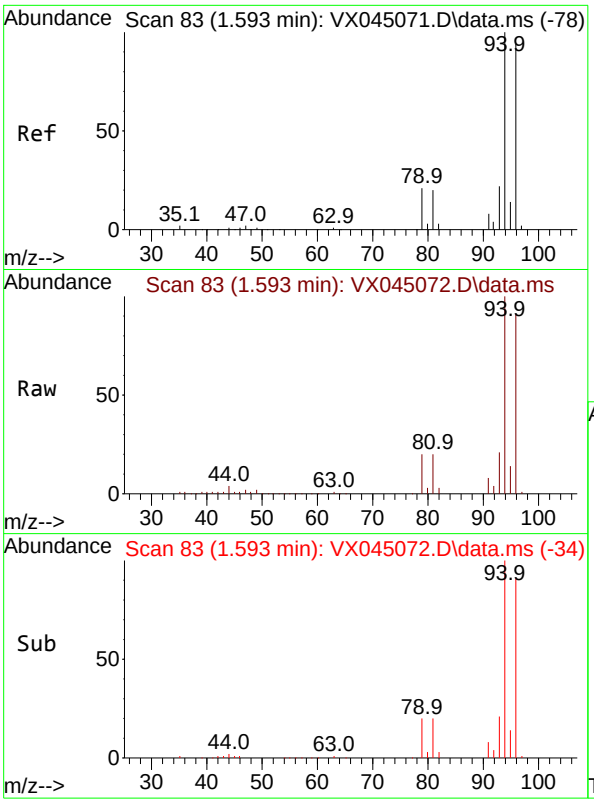


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

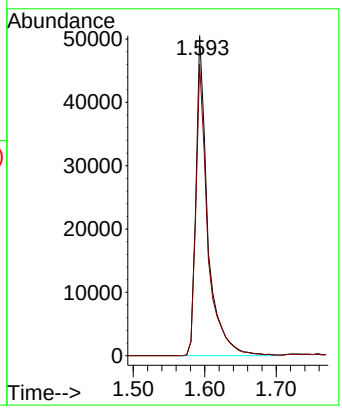




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

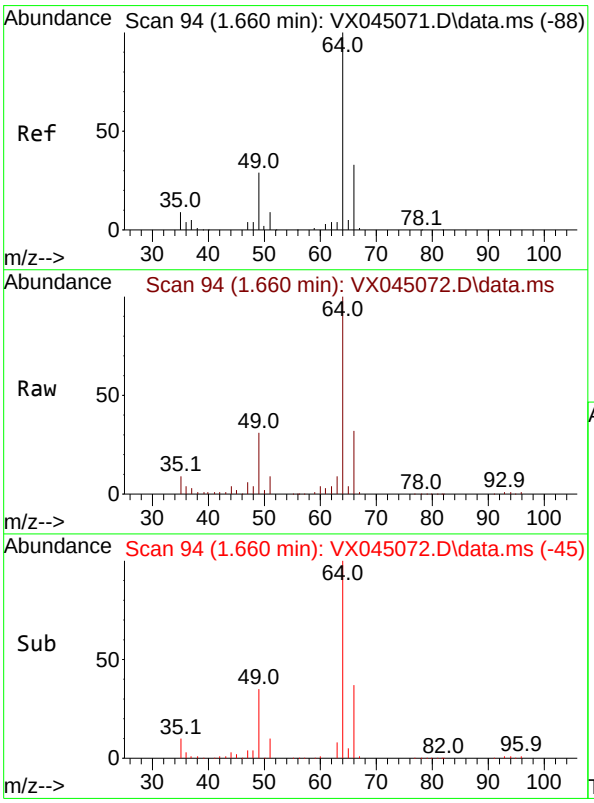
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

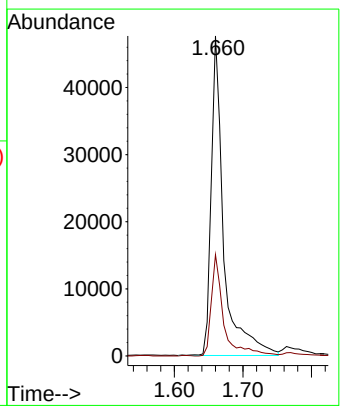
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

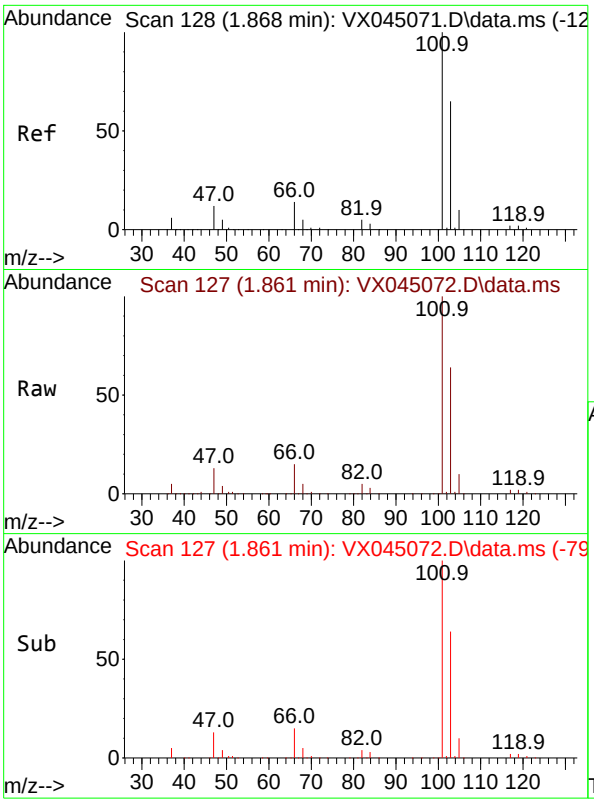


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1

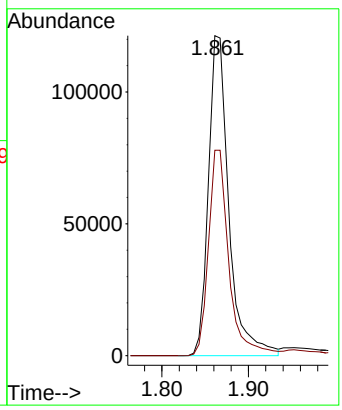




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 19870

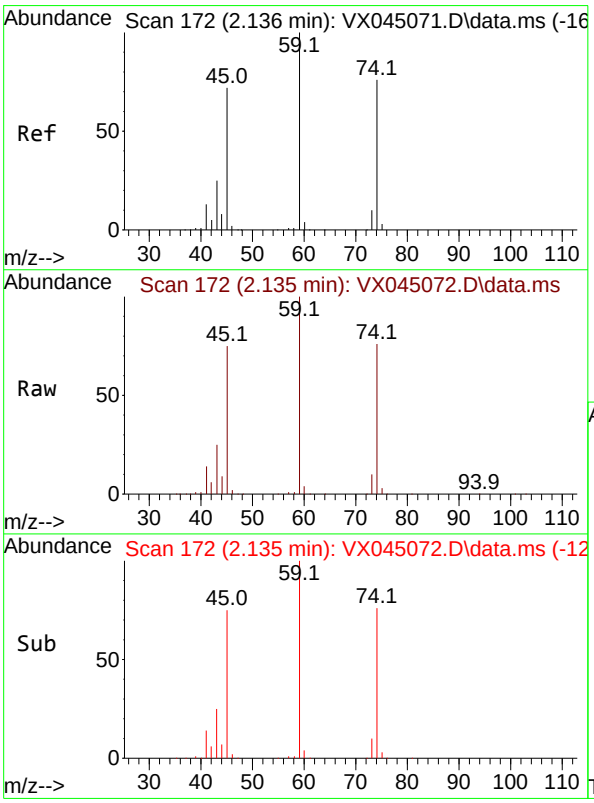
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

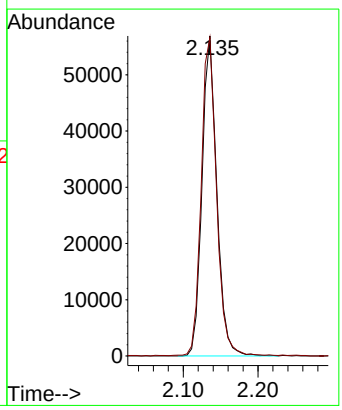
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

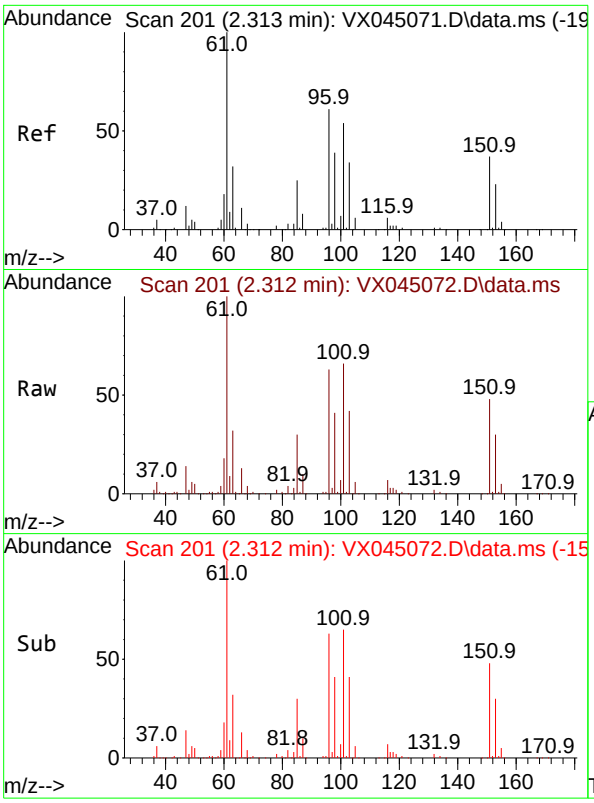


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5

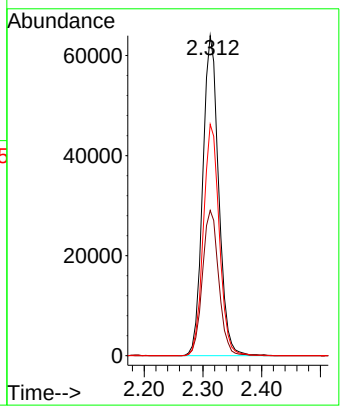




#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 12051

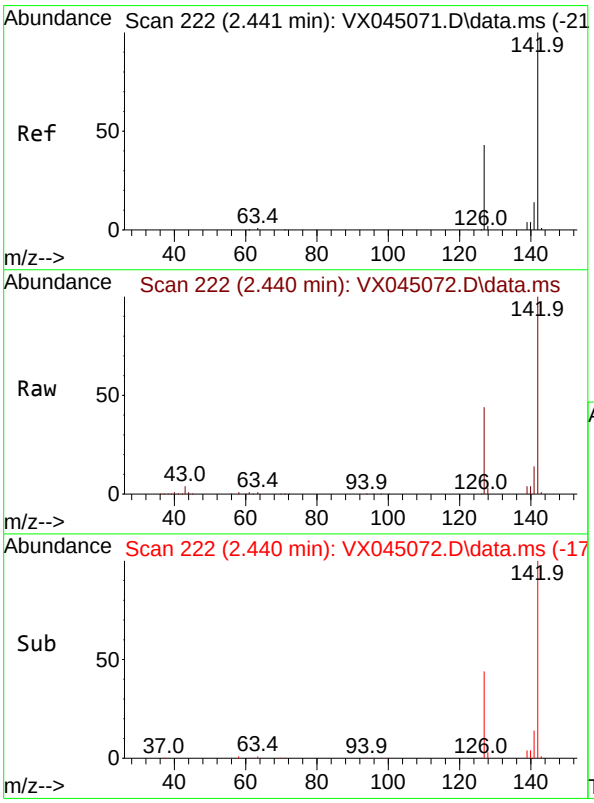
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

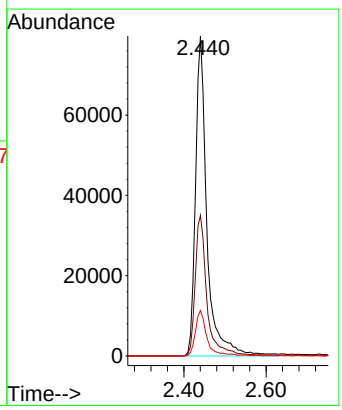
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

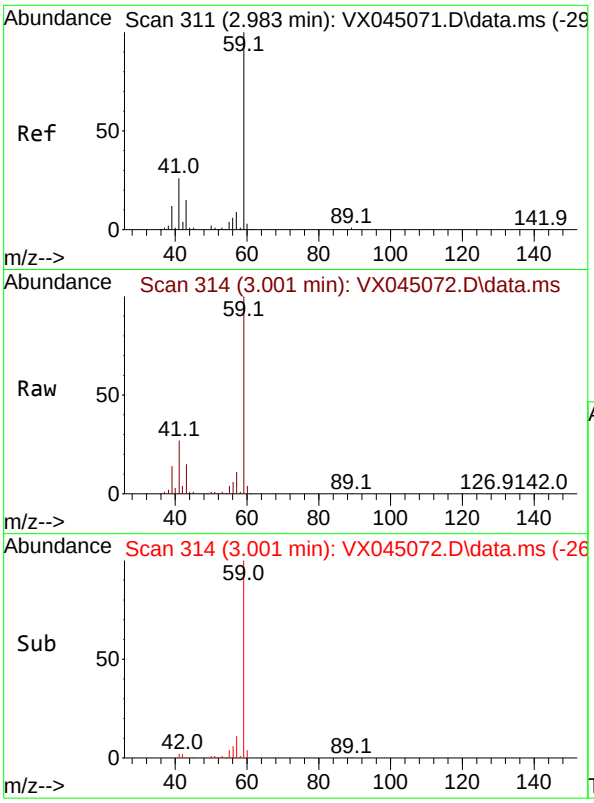


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4

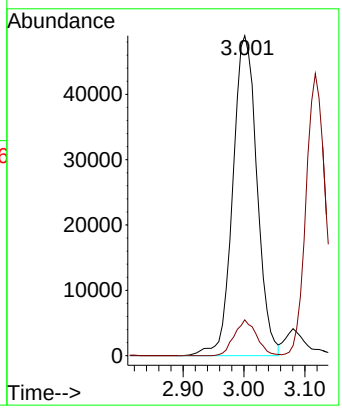




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

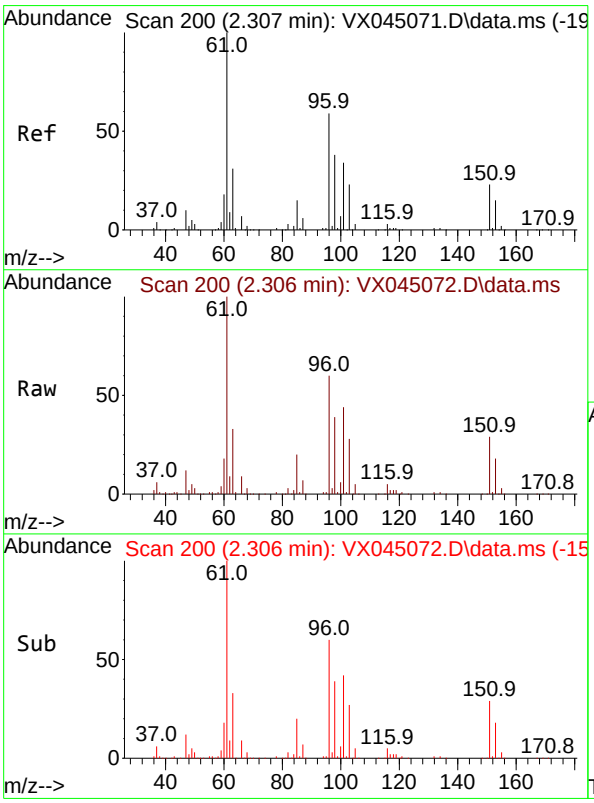
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

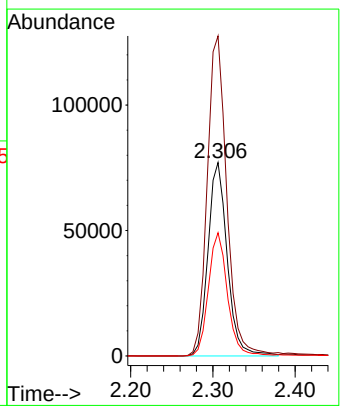
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

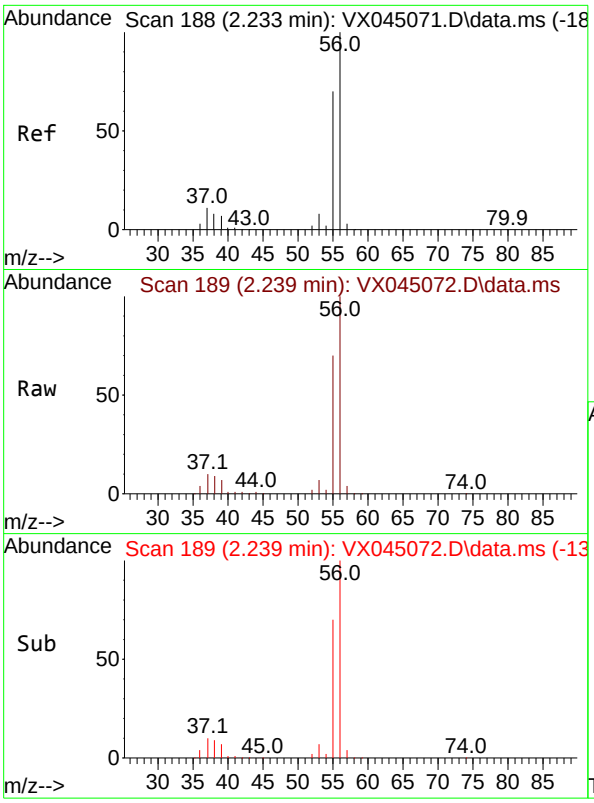


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6

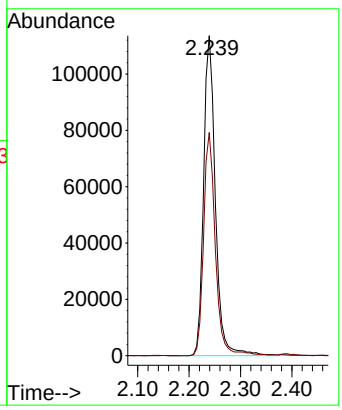




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

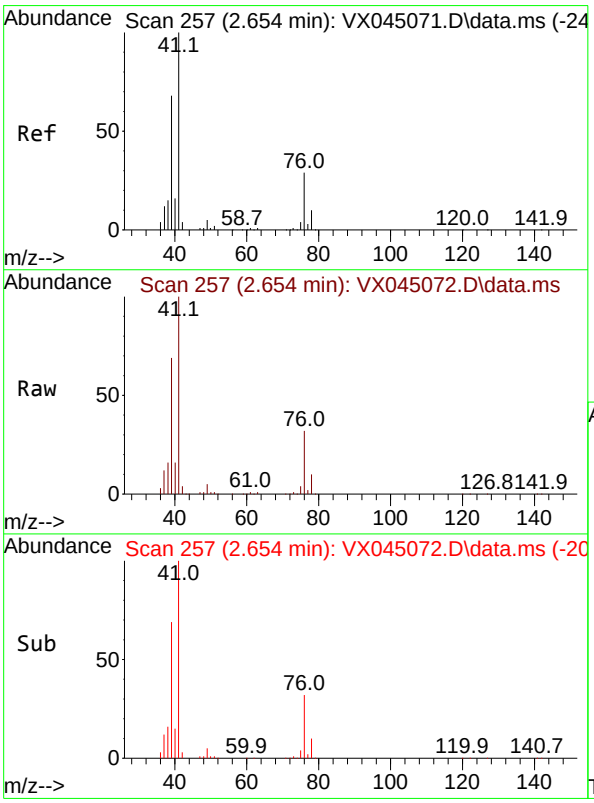
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

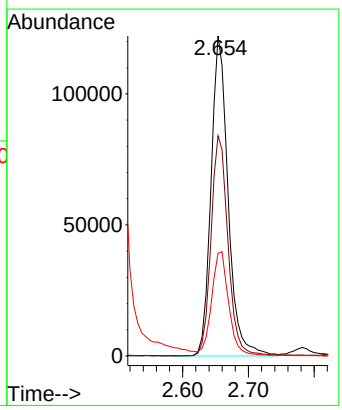
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

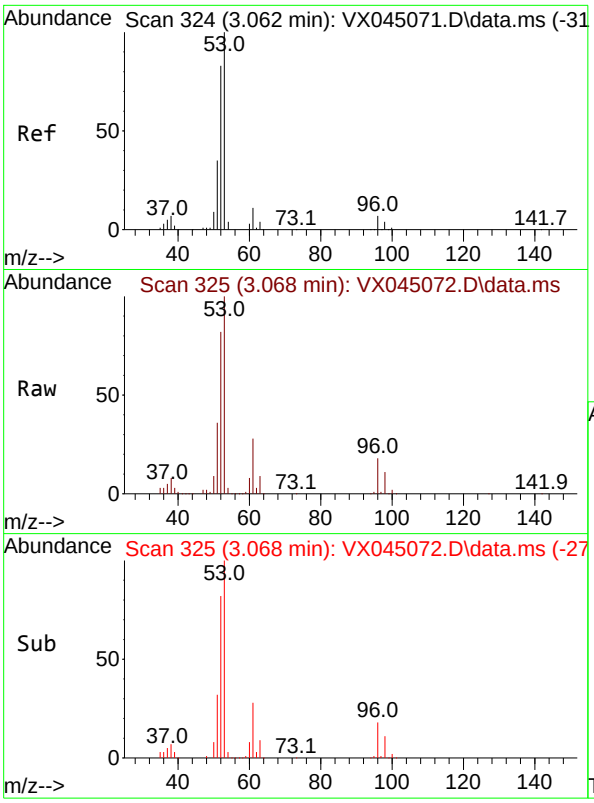


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8

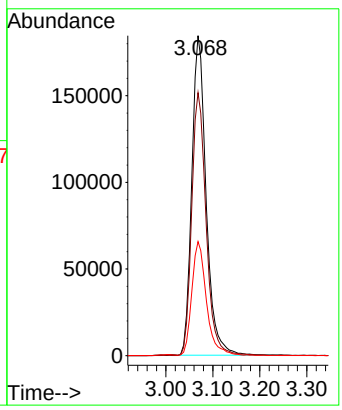




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

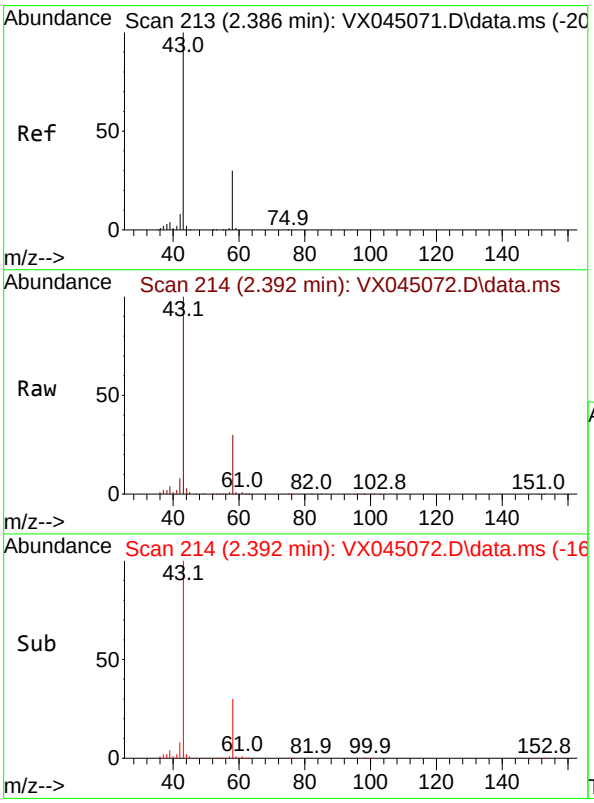
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

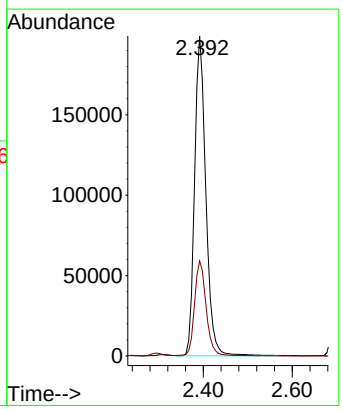
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

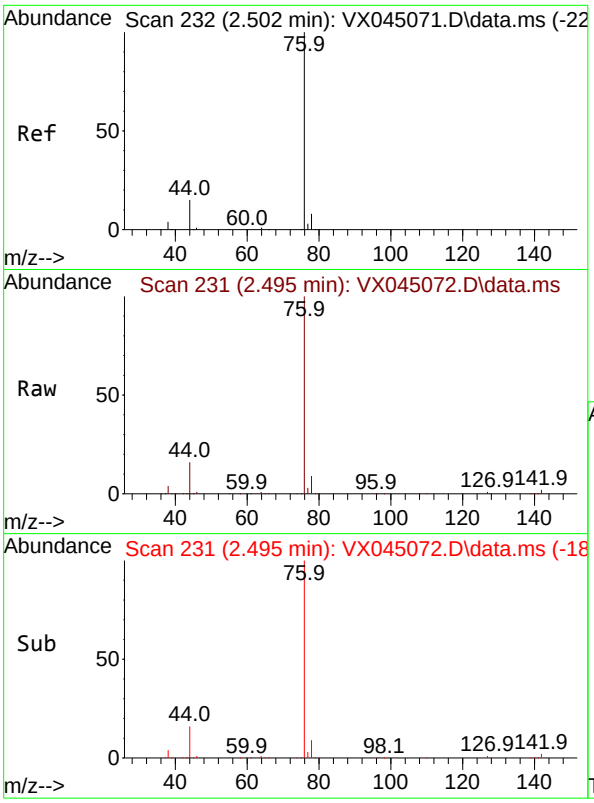


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

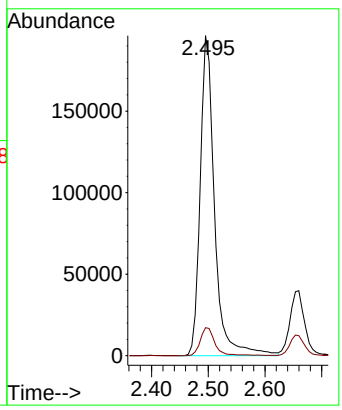




#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

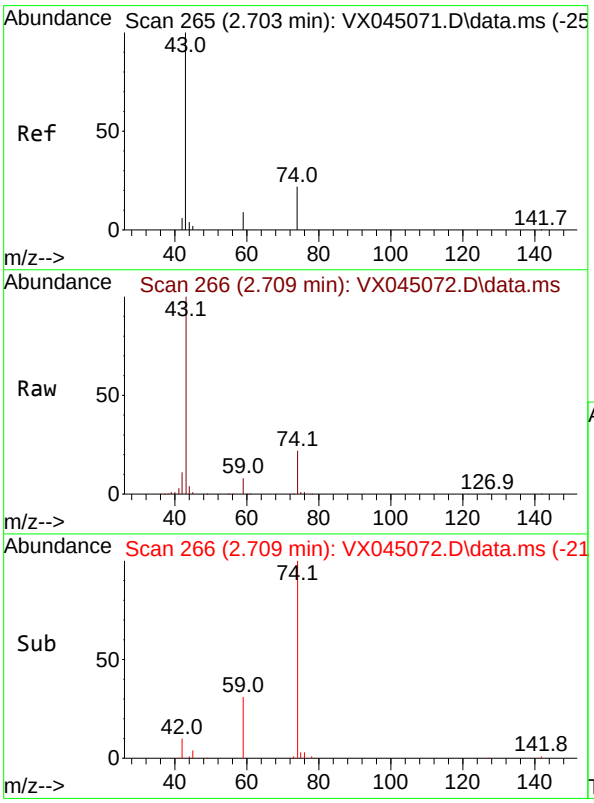
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

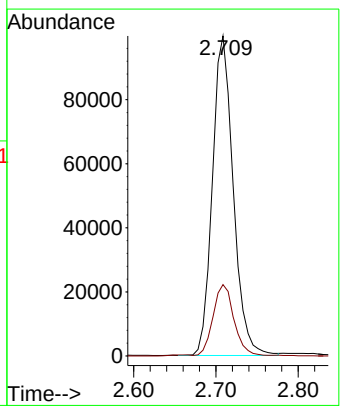
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

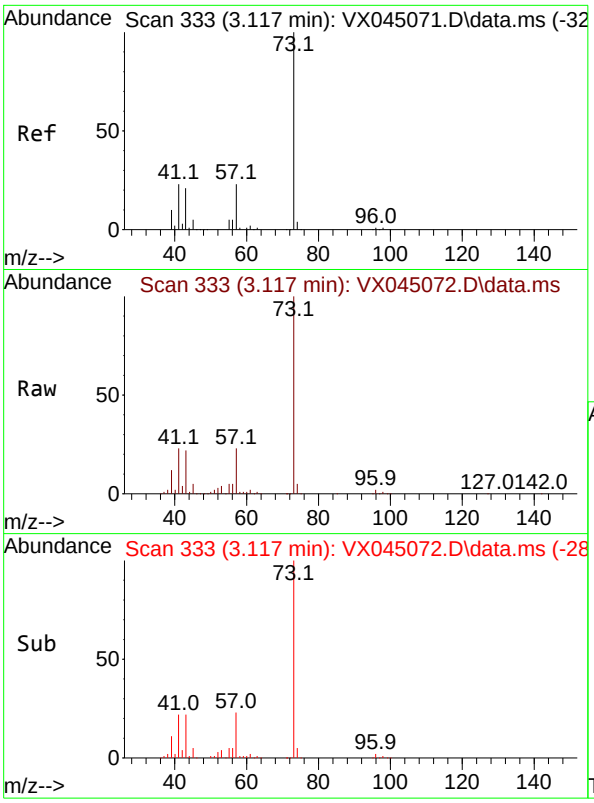


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

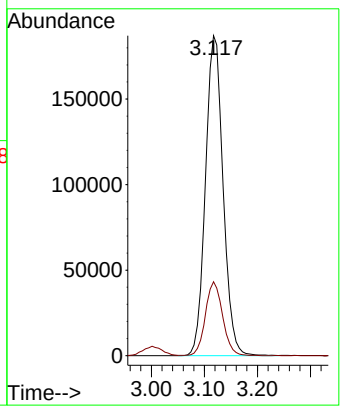




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

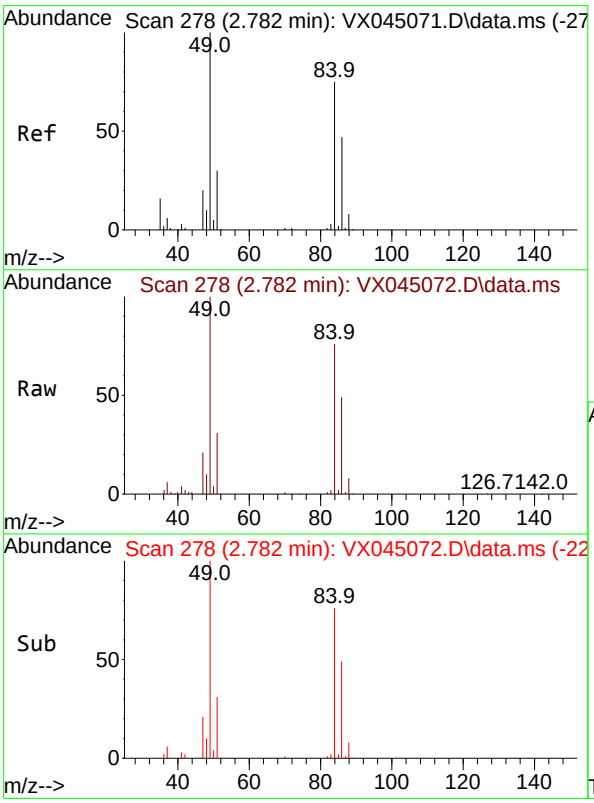
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

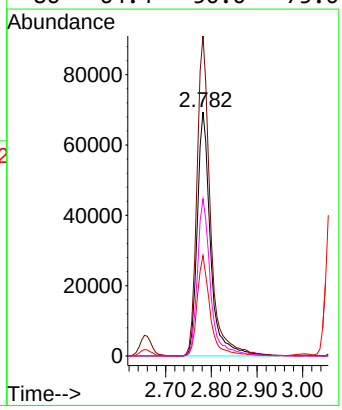
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

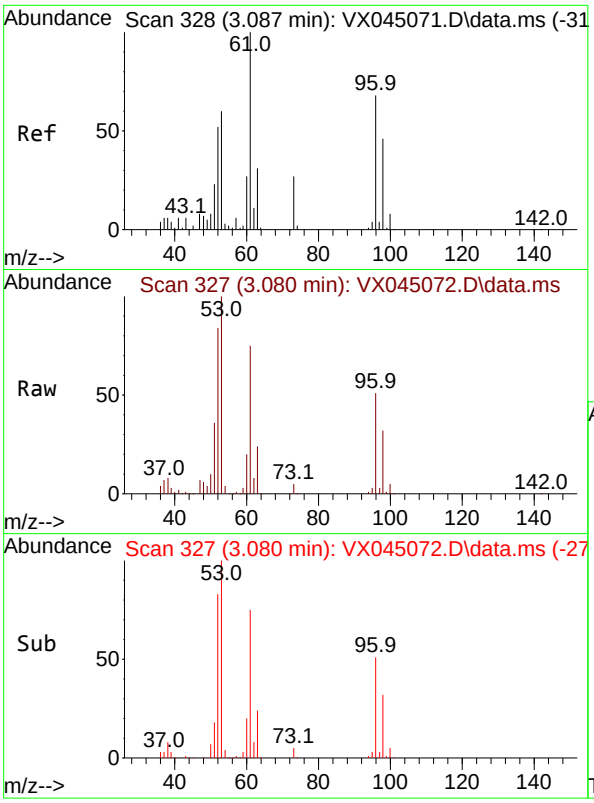


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0

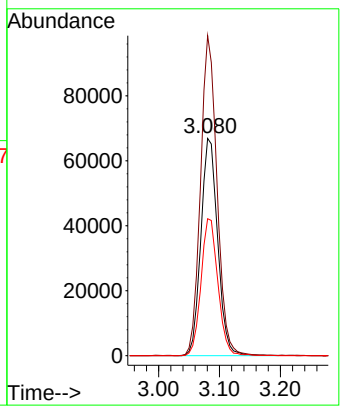




#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 12823

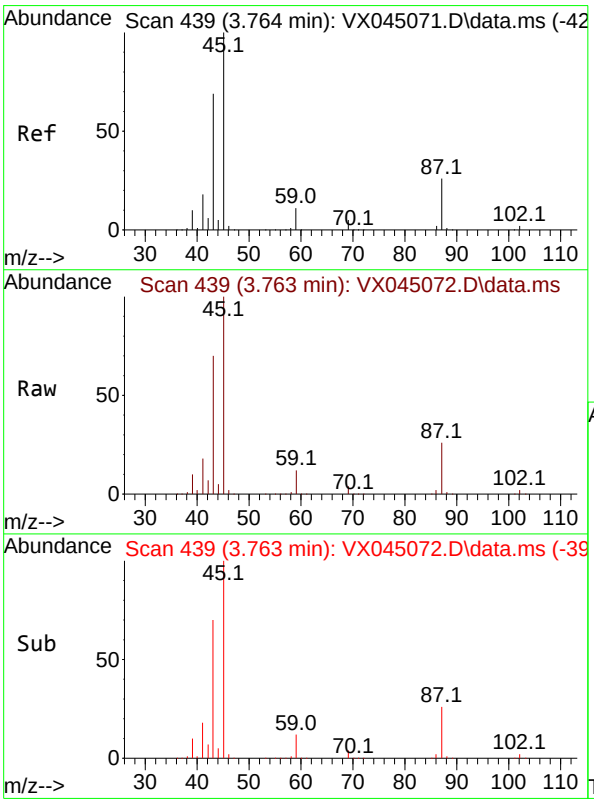
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

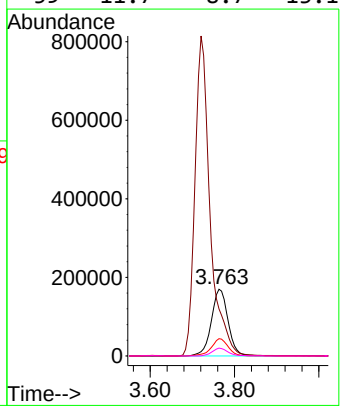
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

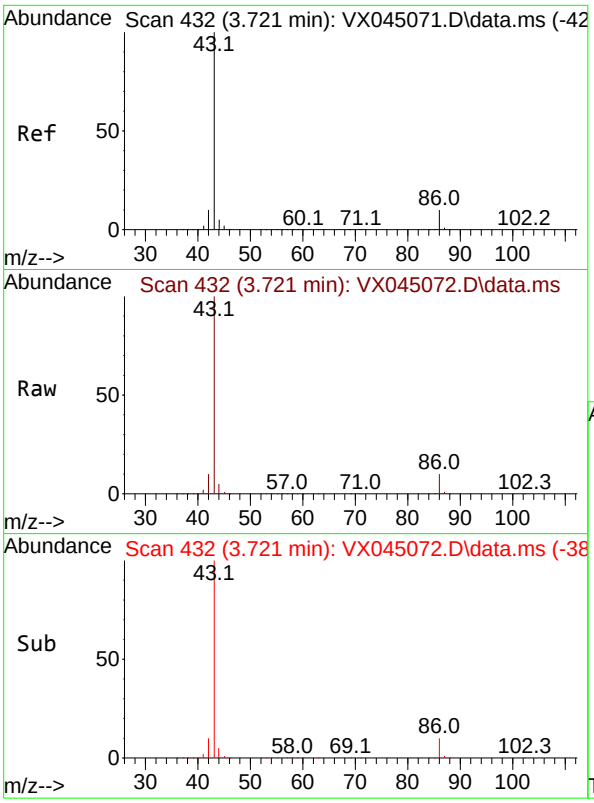


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1

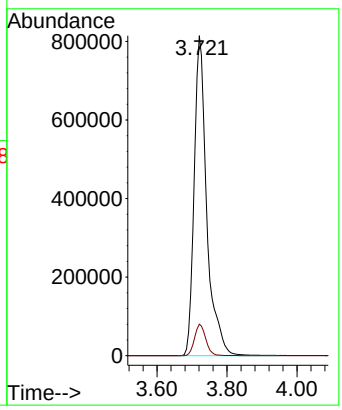




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

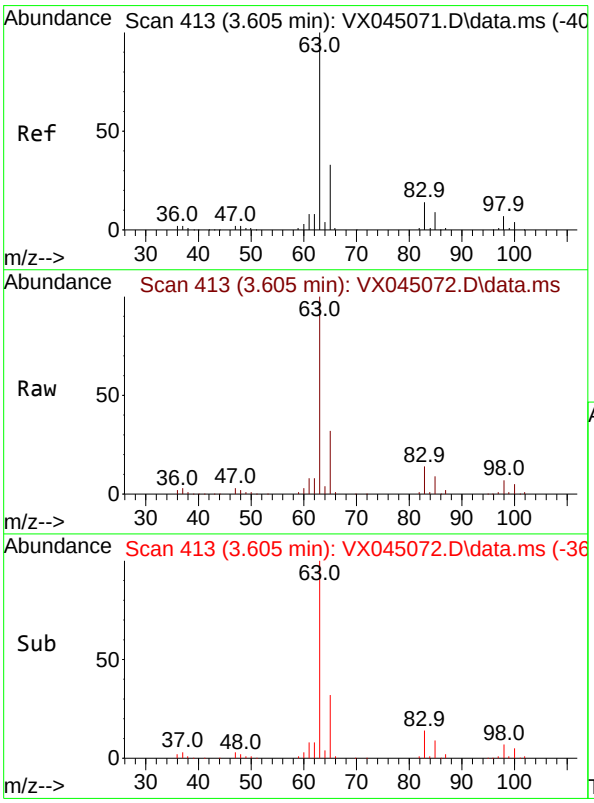
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

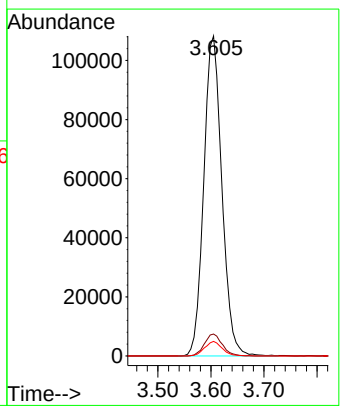
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

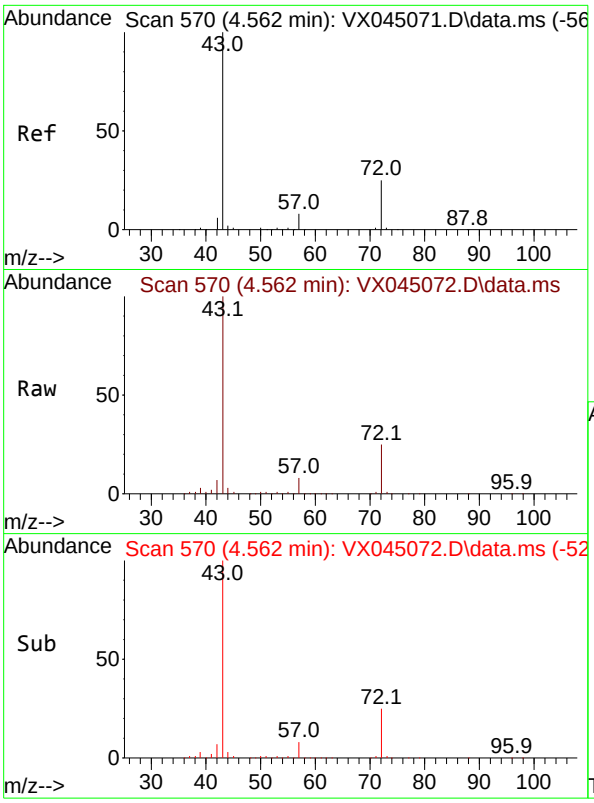


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5

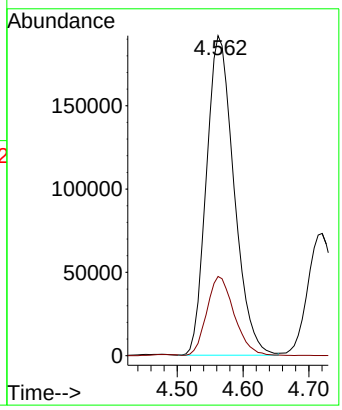




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

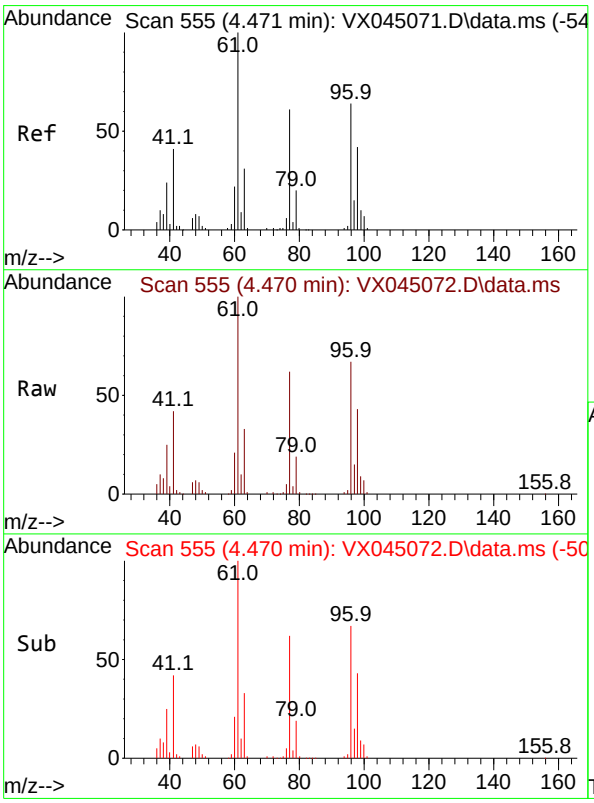
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

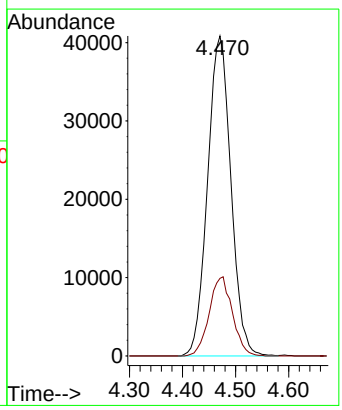
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

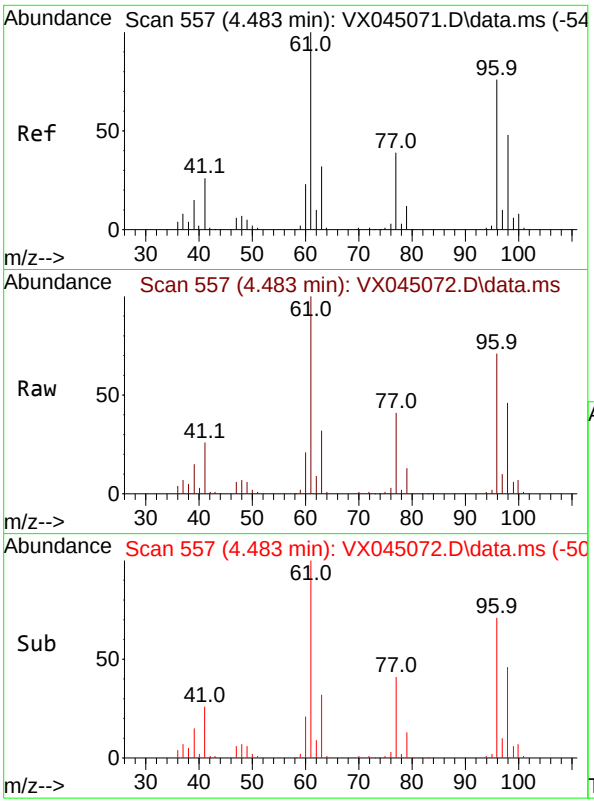


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0

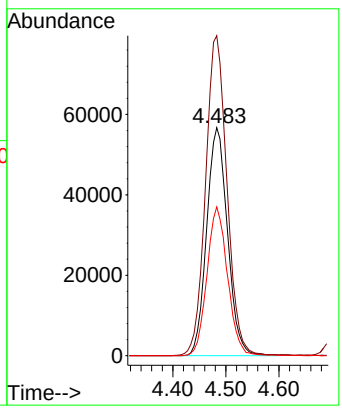




#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 15519

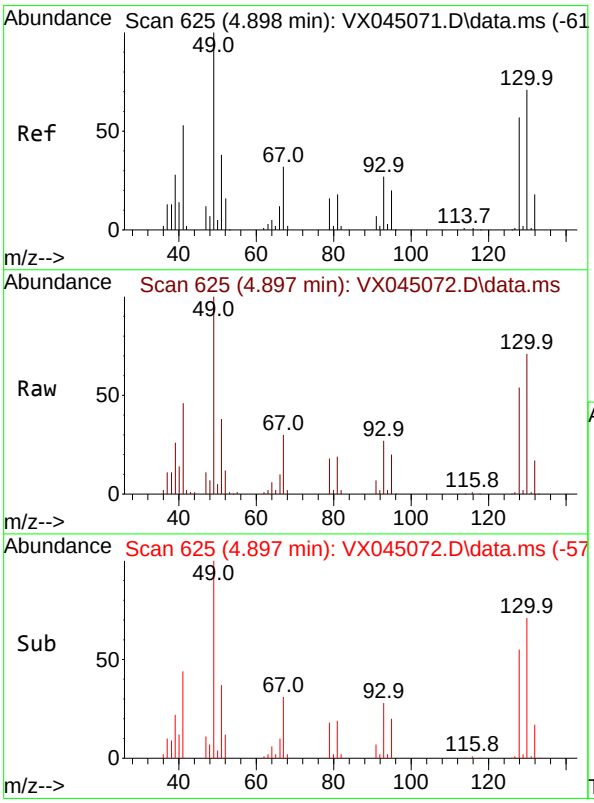
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

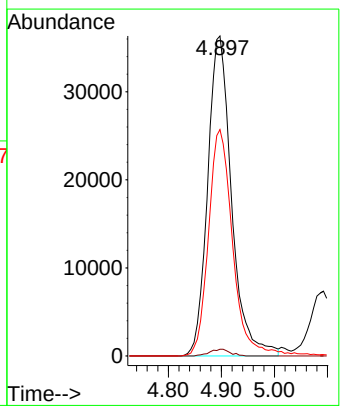
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

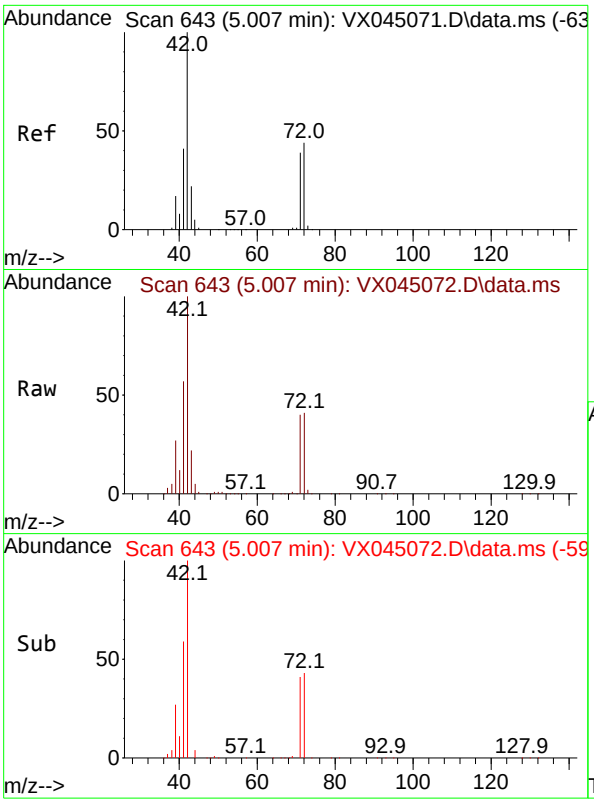


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

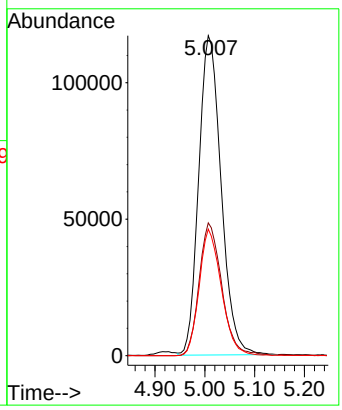
Tgt Ion: 42 Resp: 36556

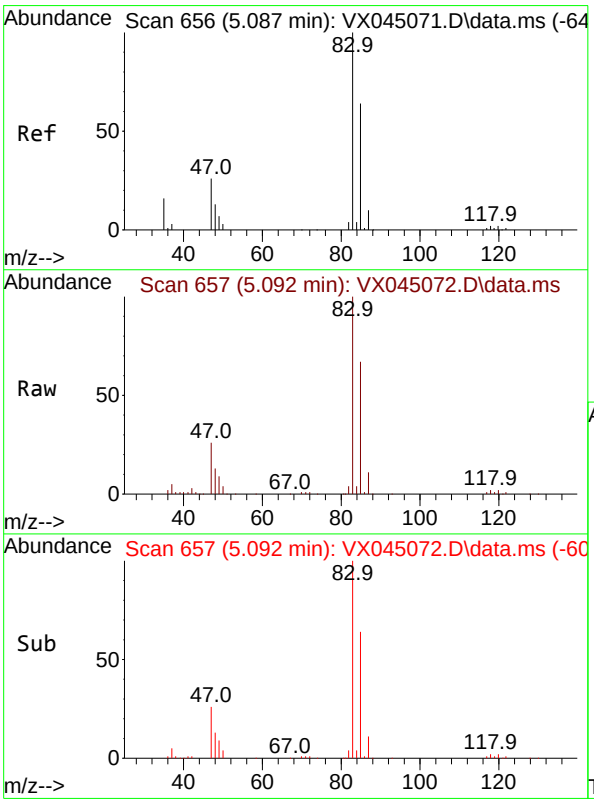
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

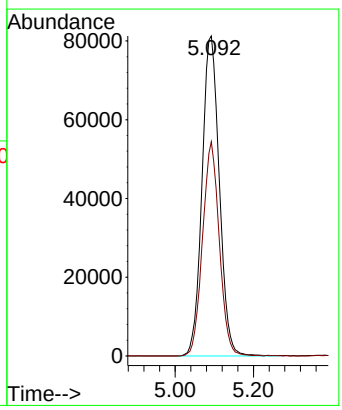


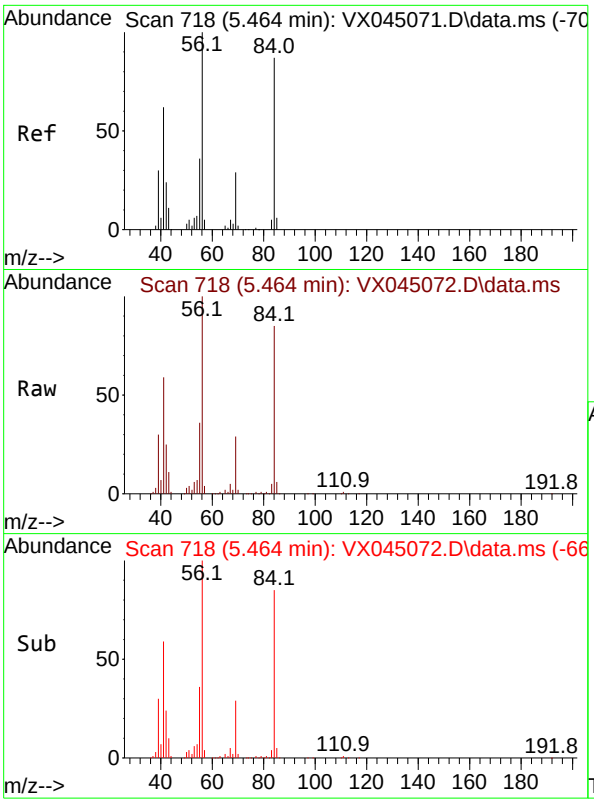


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

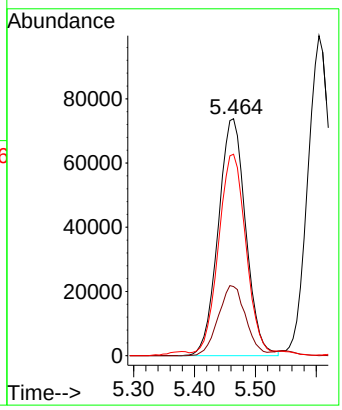




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

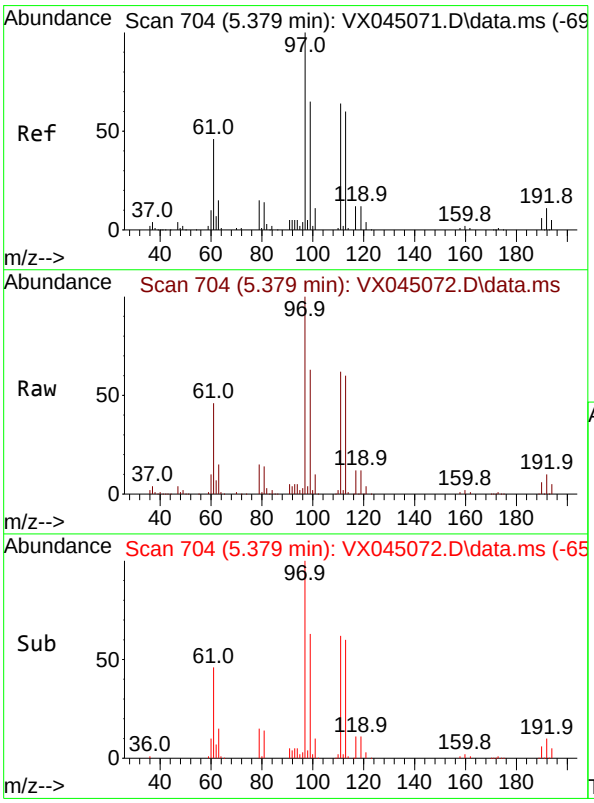
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

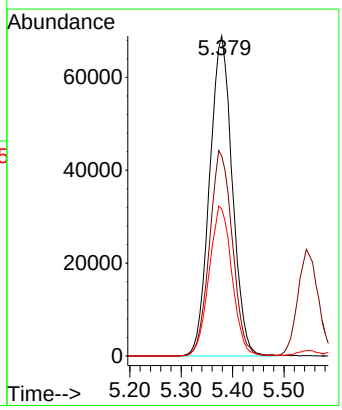
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

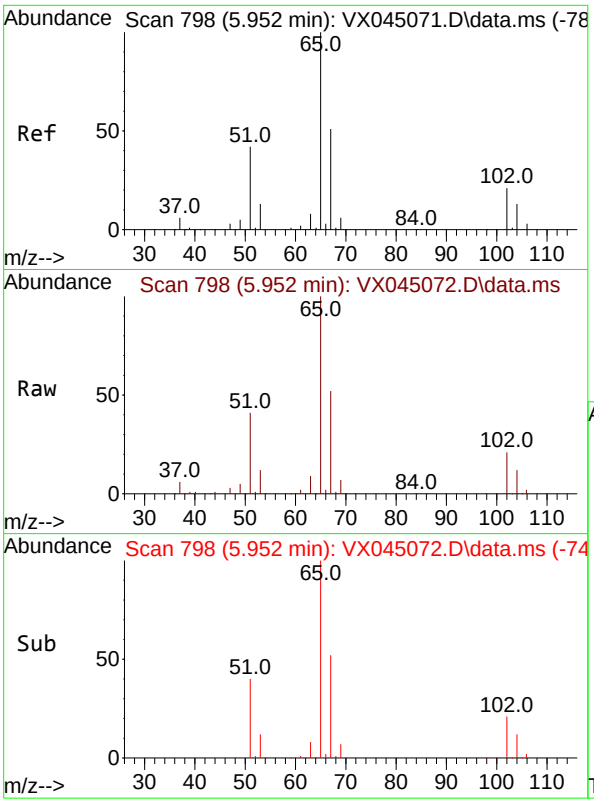


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6

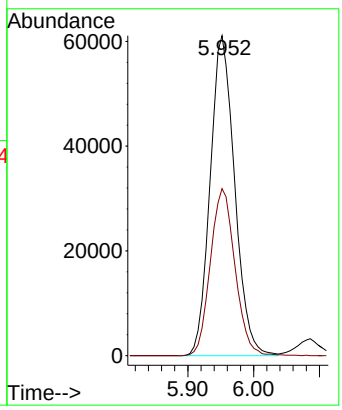




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

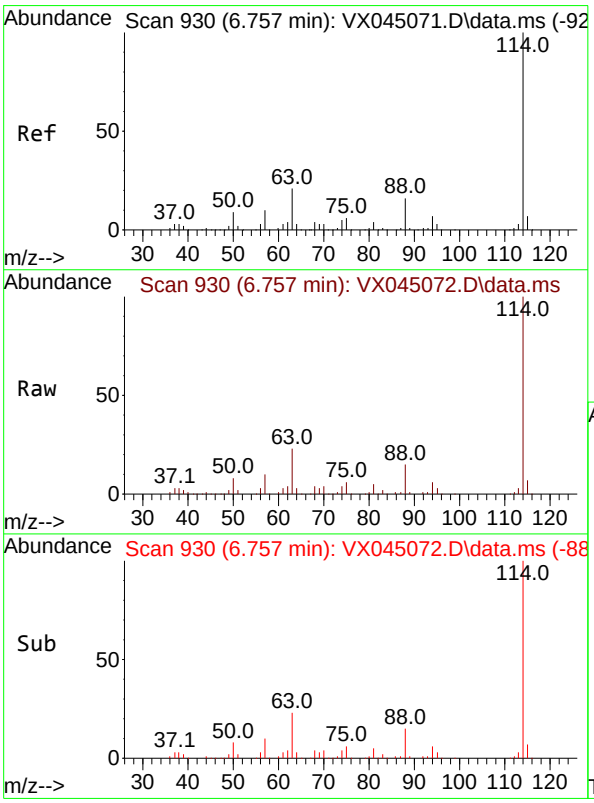
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

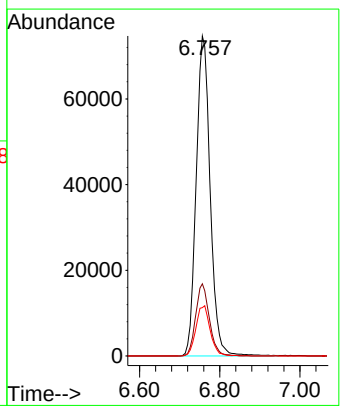
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

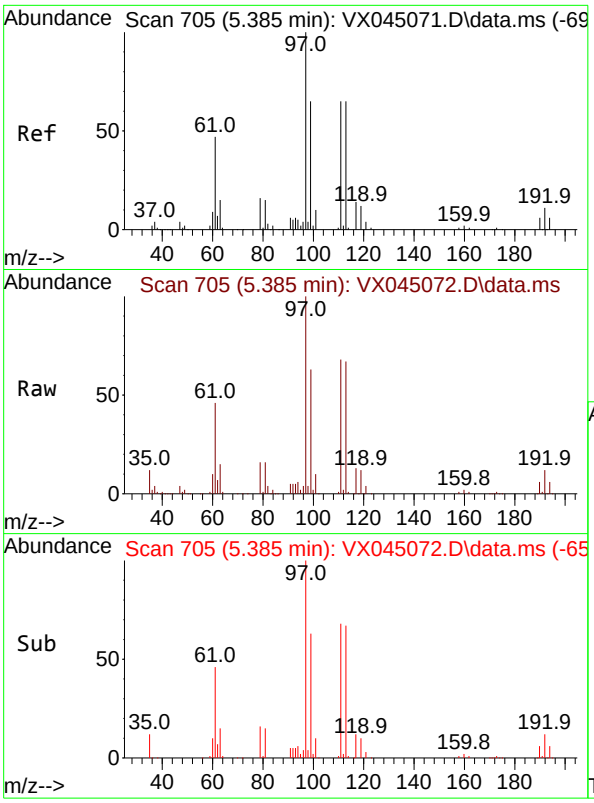


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8

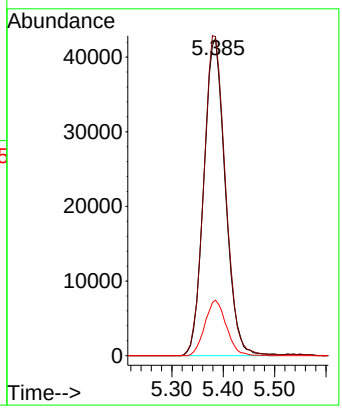




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

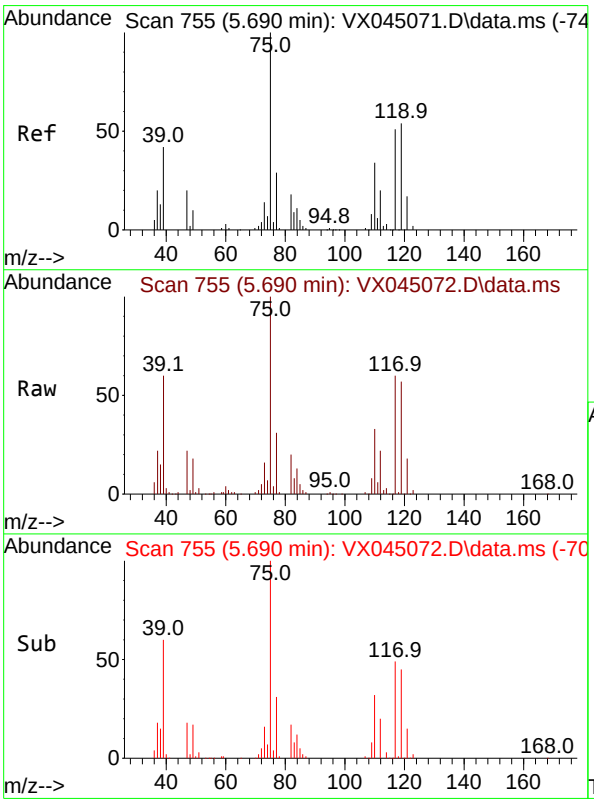
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

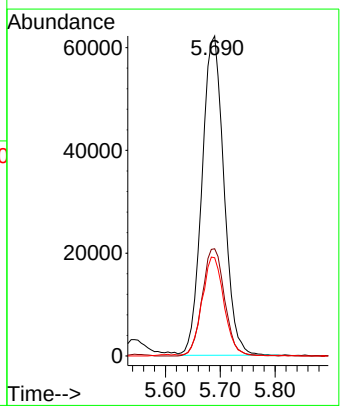
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

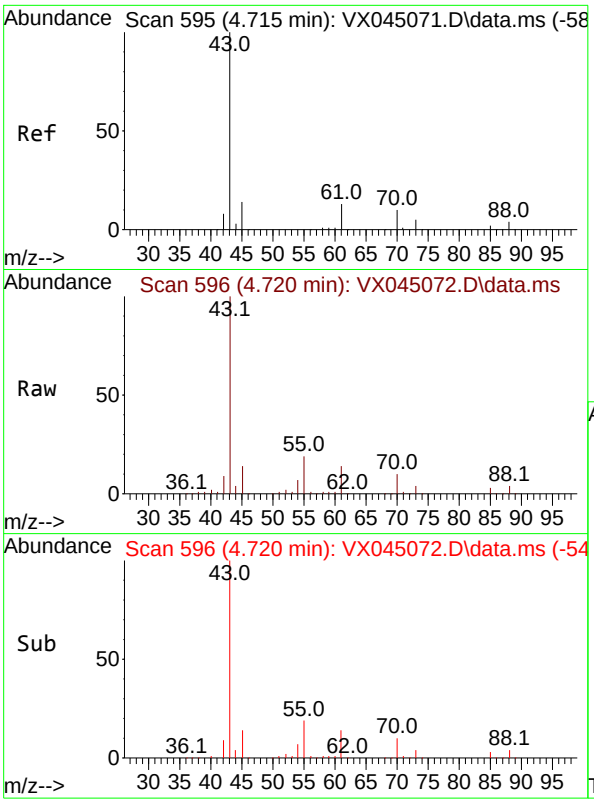


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7

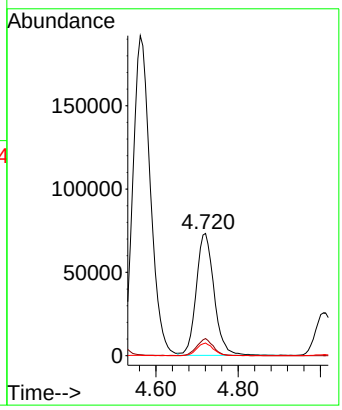




#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

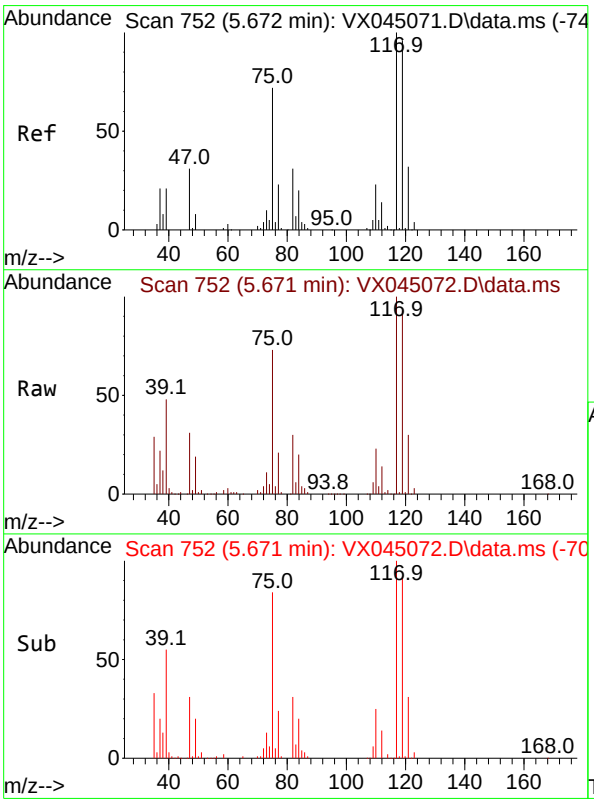
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

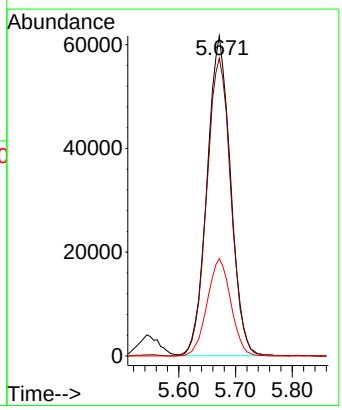
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

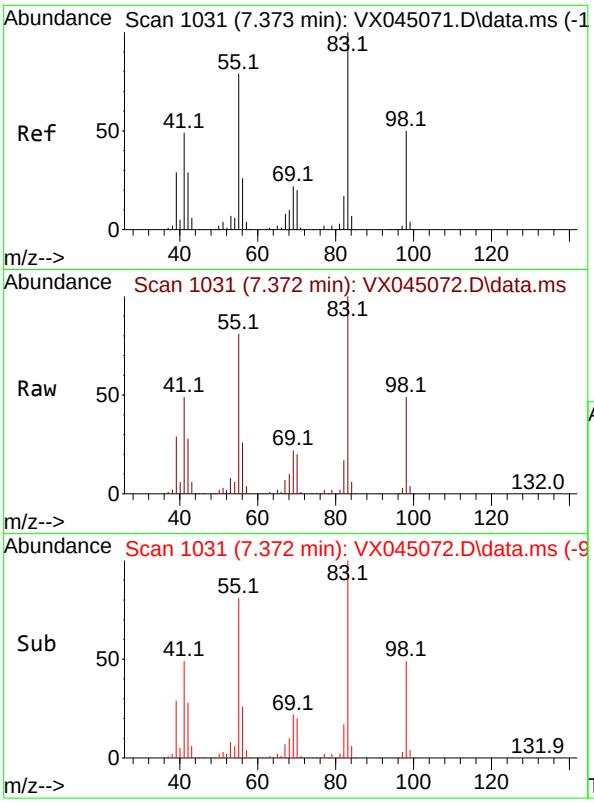


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3

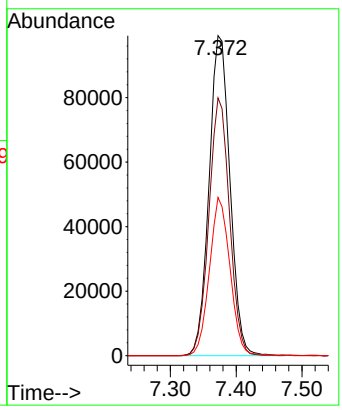




#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 21985

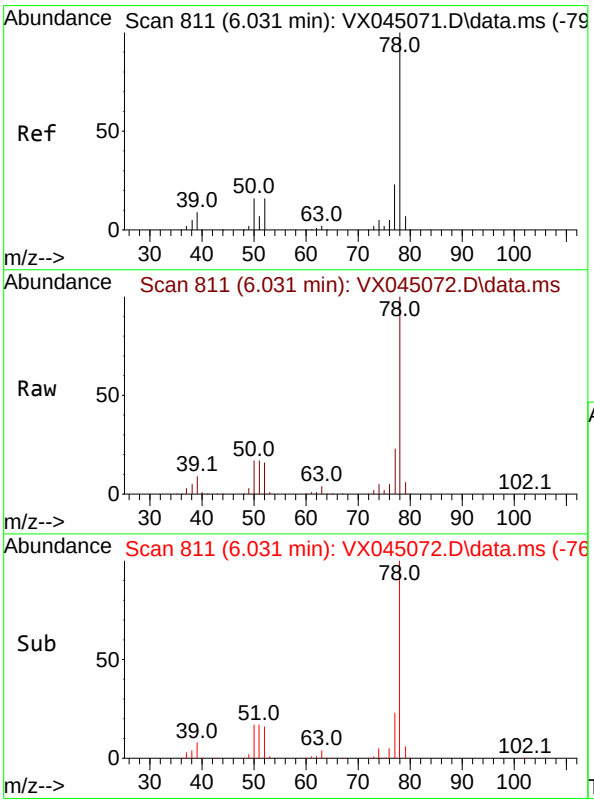
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

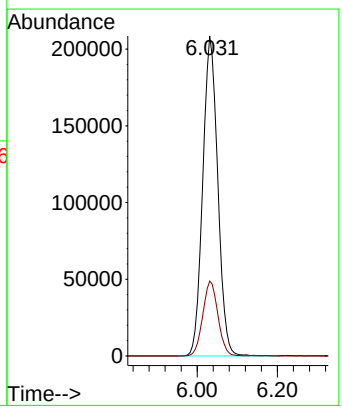
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

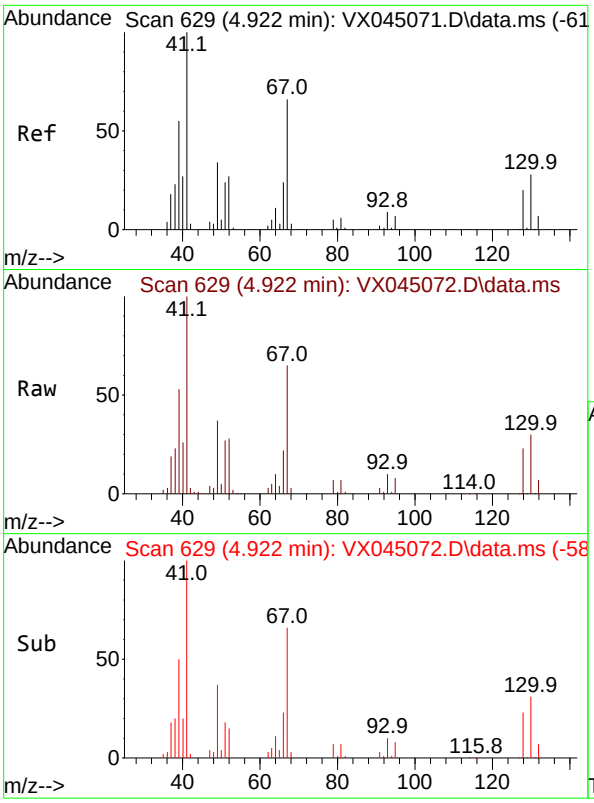


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

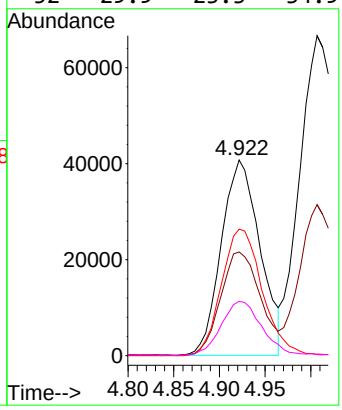




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

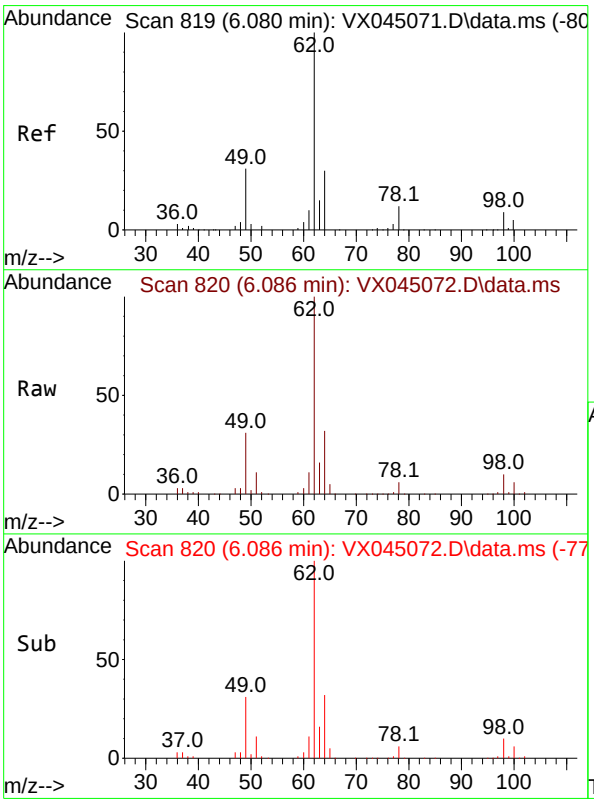
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

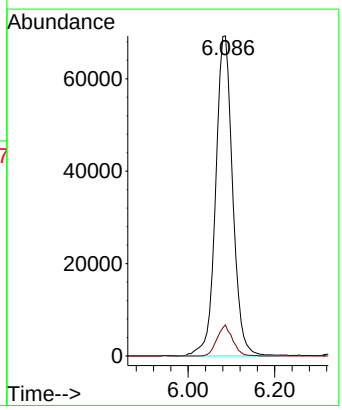
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

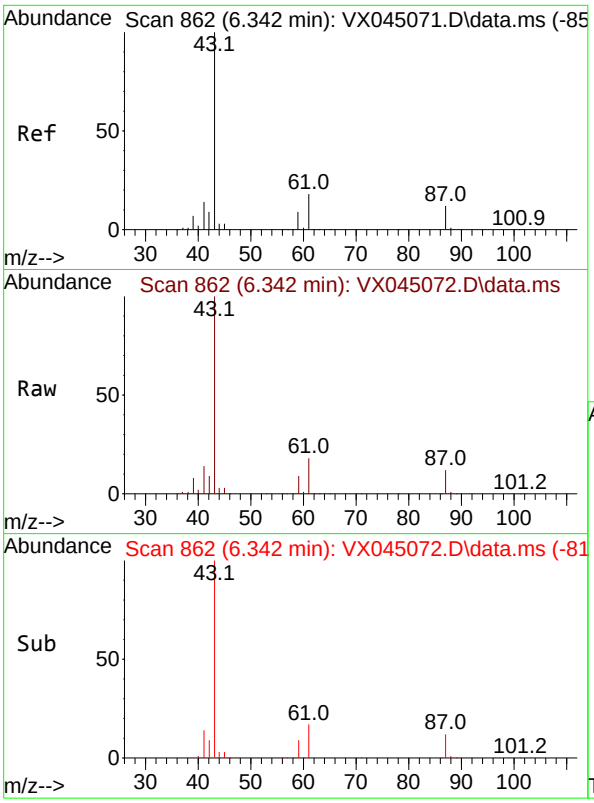


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

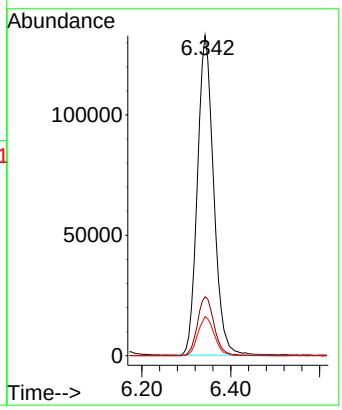
Tgt Ion: 43 Resp: 33841

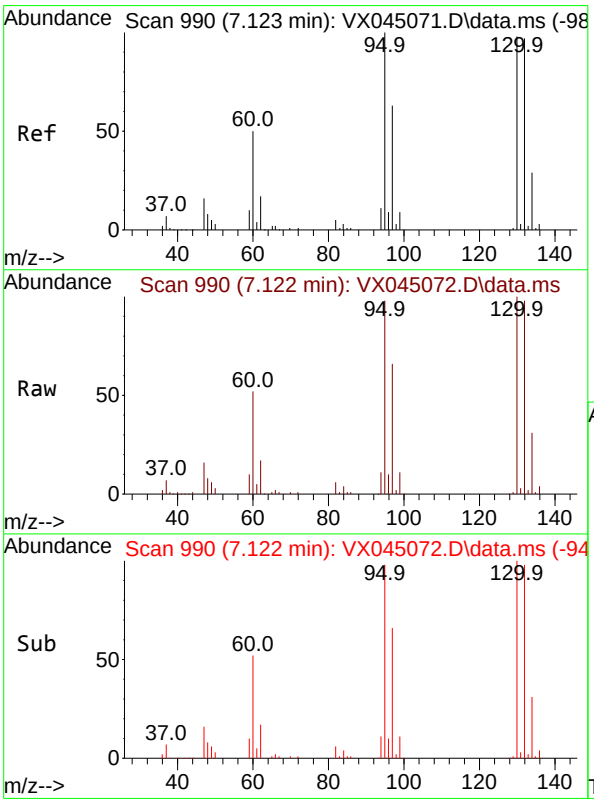
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

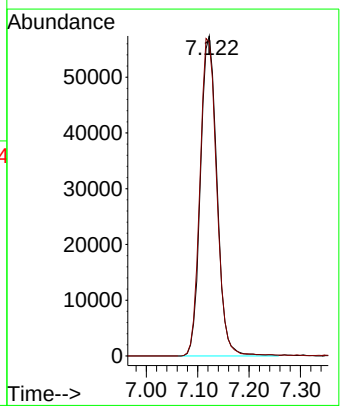


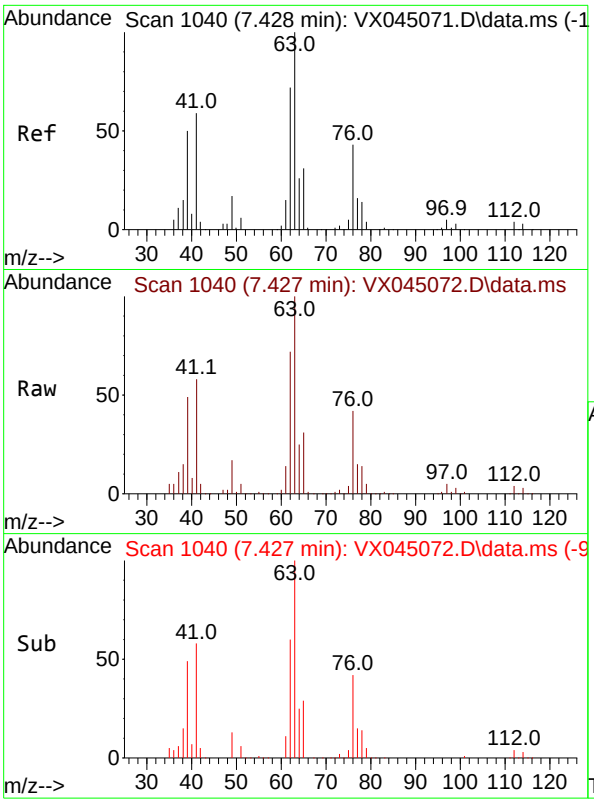


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0

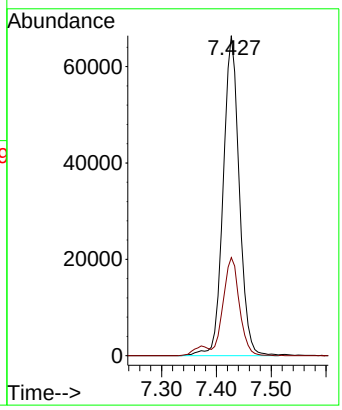




#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 13599

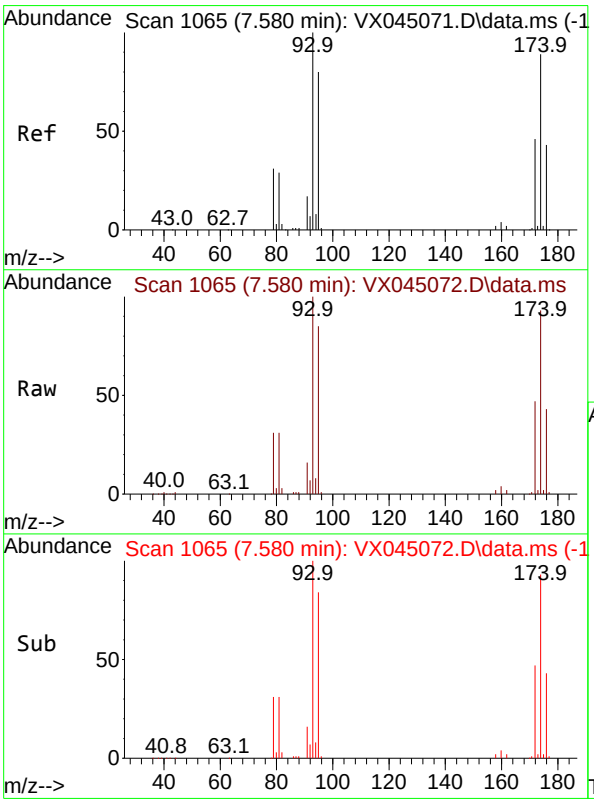
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

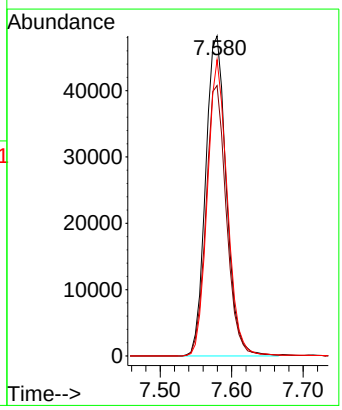
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

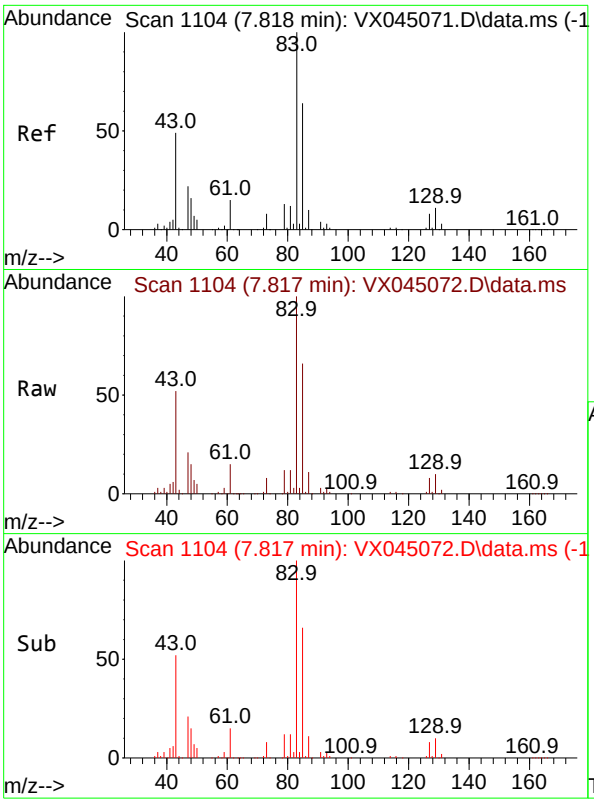


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2

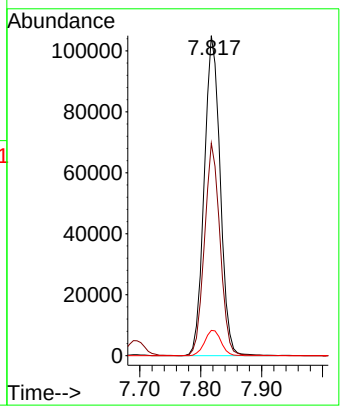




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

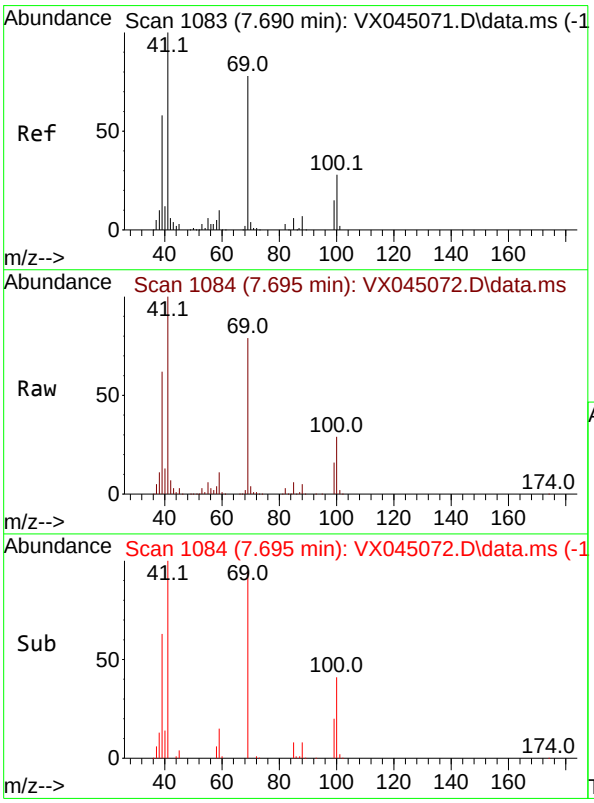
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

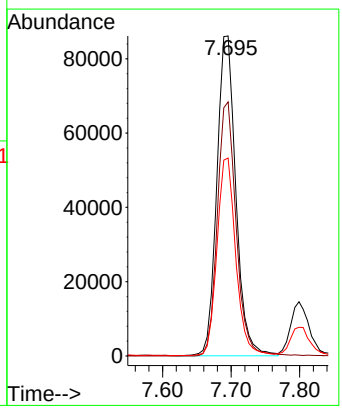
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

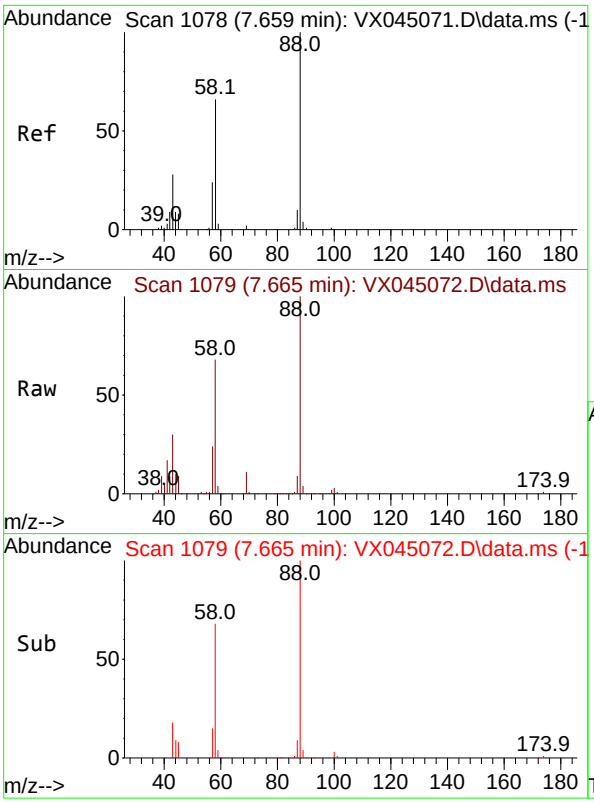


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3





#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

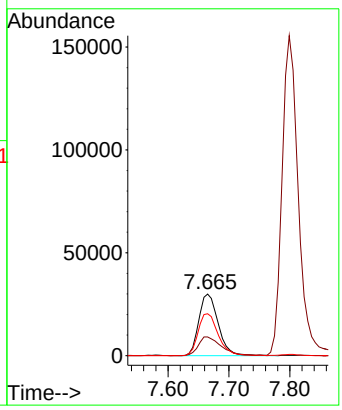
Tgt Ion: 88 Resp: 6630

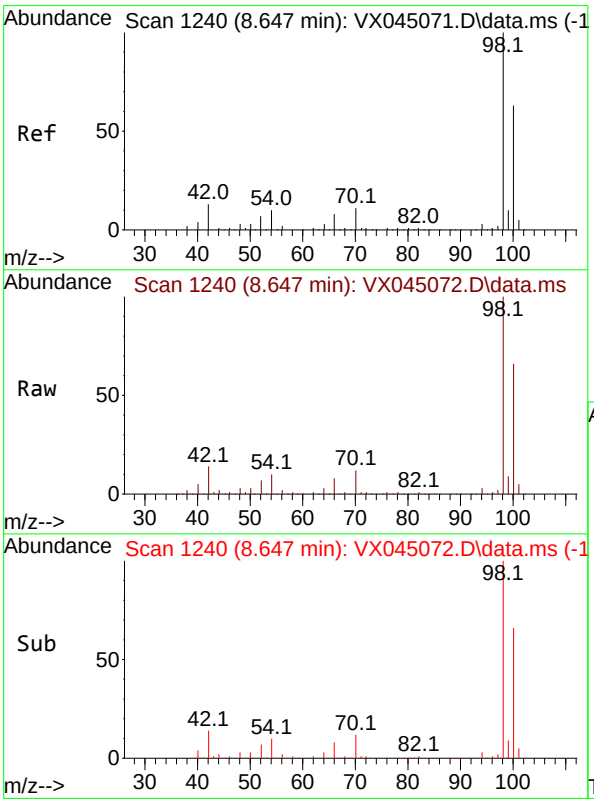
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

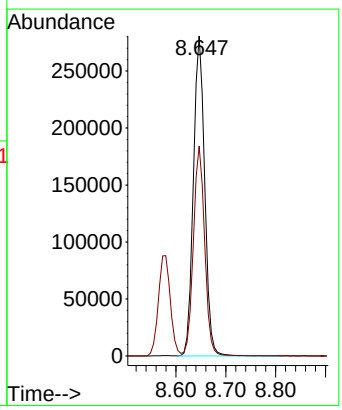


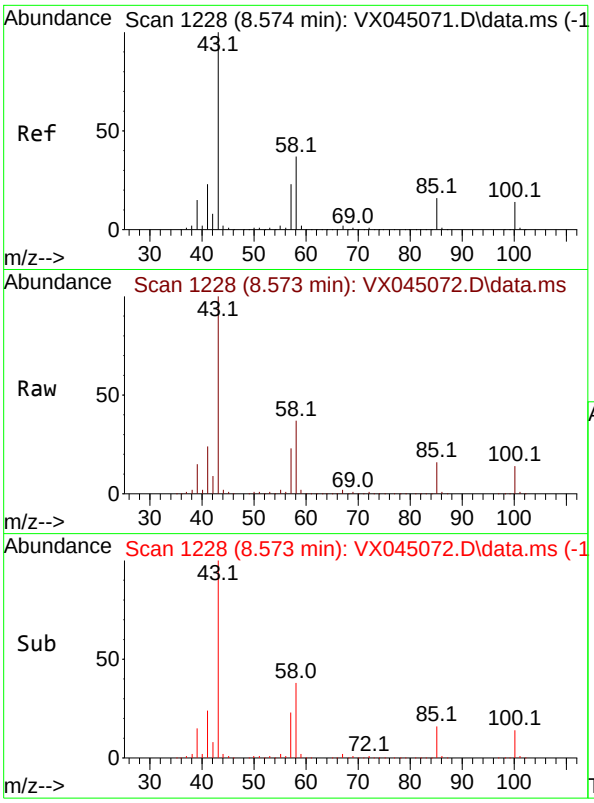


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

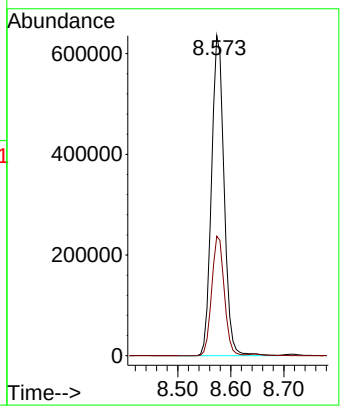




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

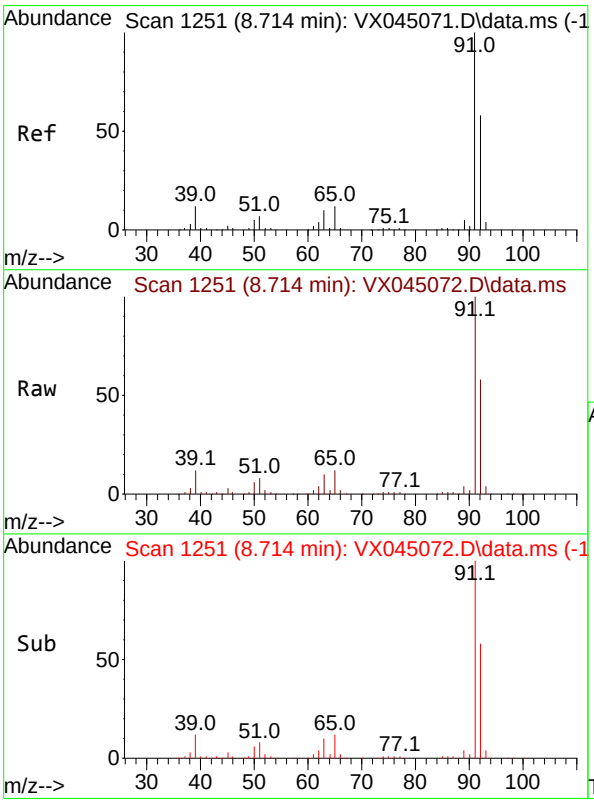
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

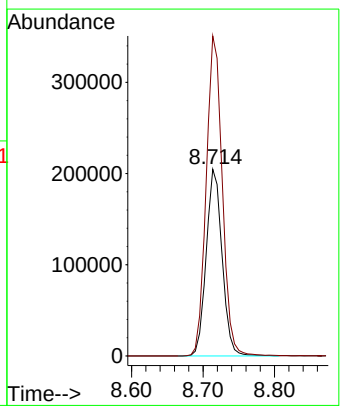
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

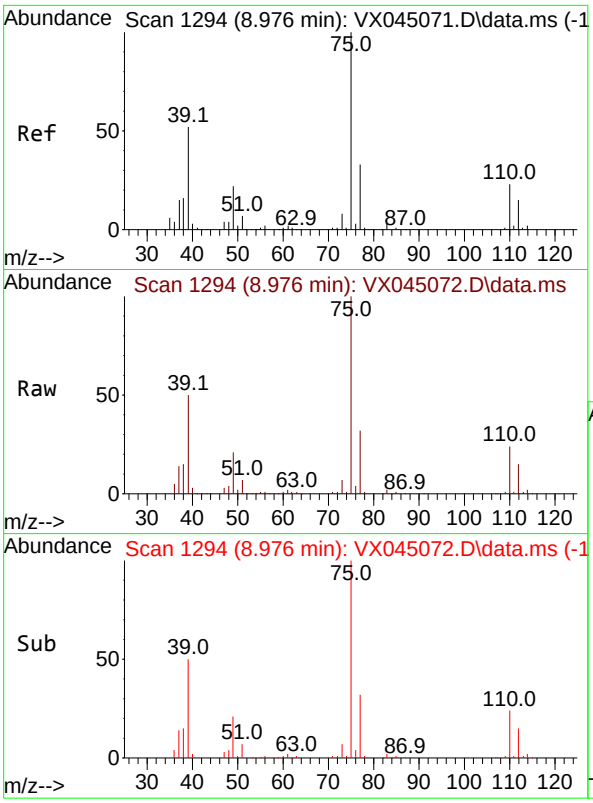


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

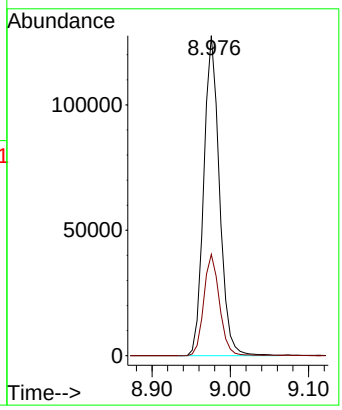




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

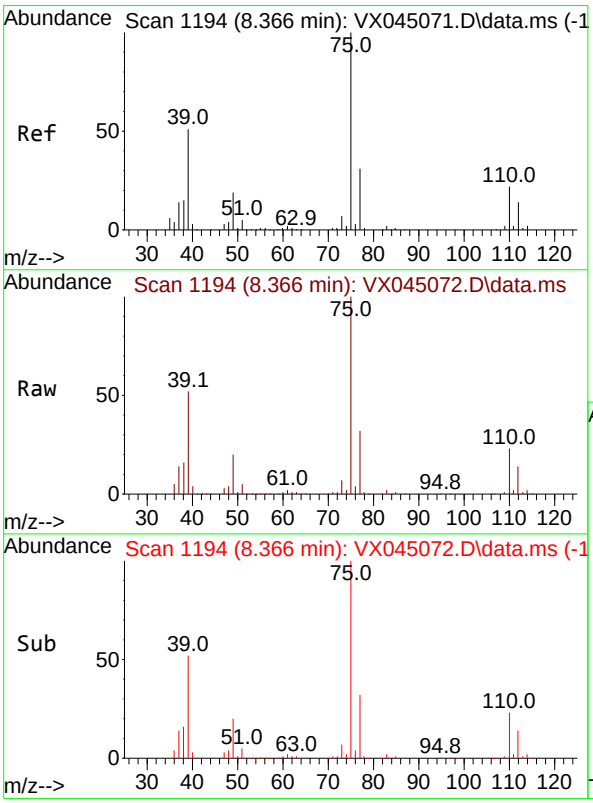
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

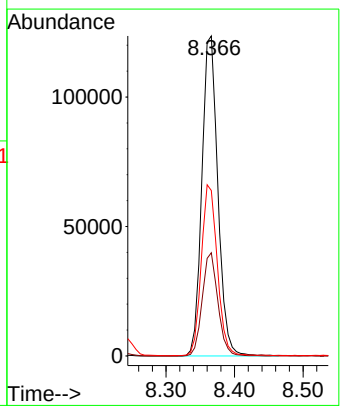
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

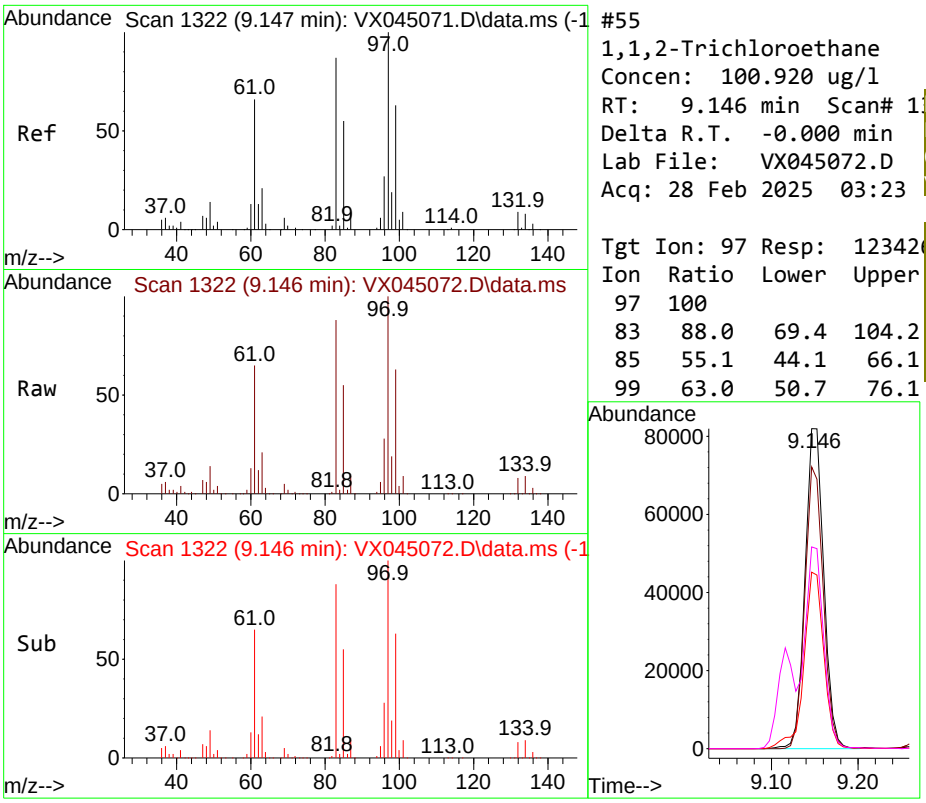


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1





#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

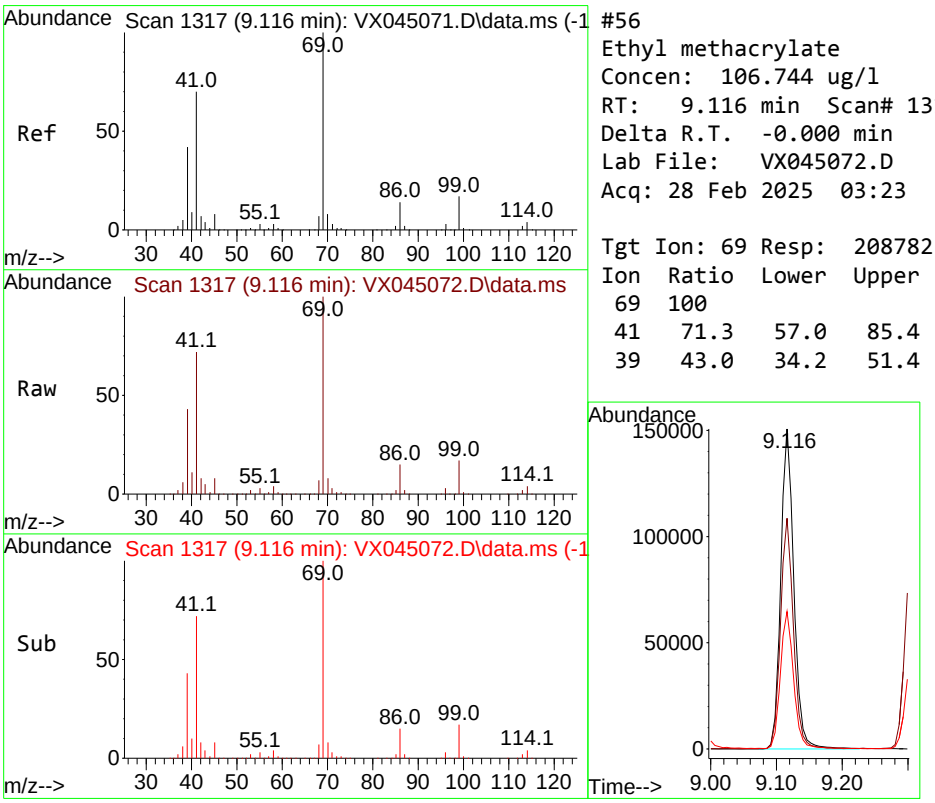
Tgt Ion: 97 Resp: 12342

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

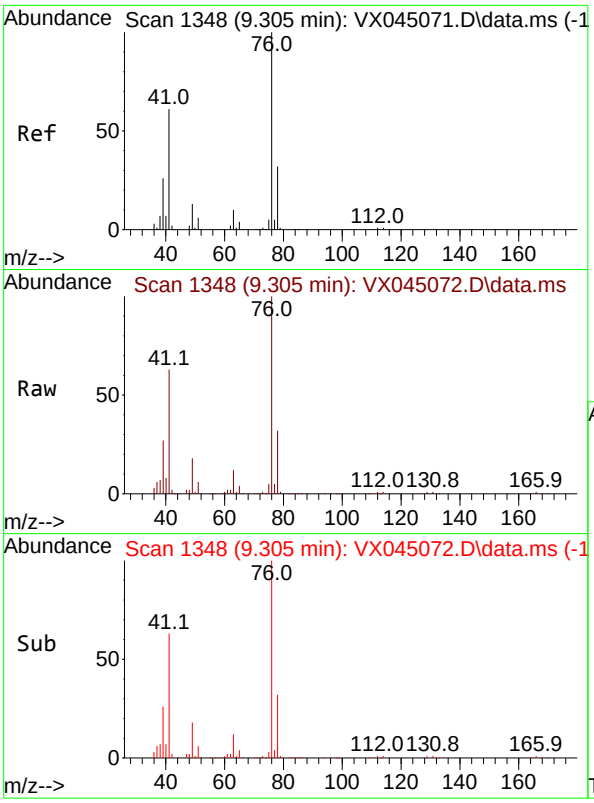
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

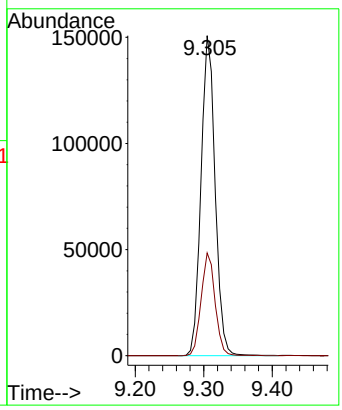
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 21626

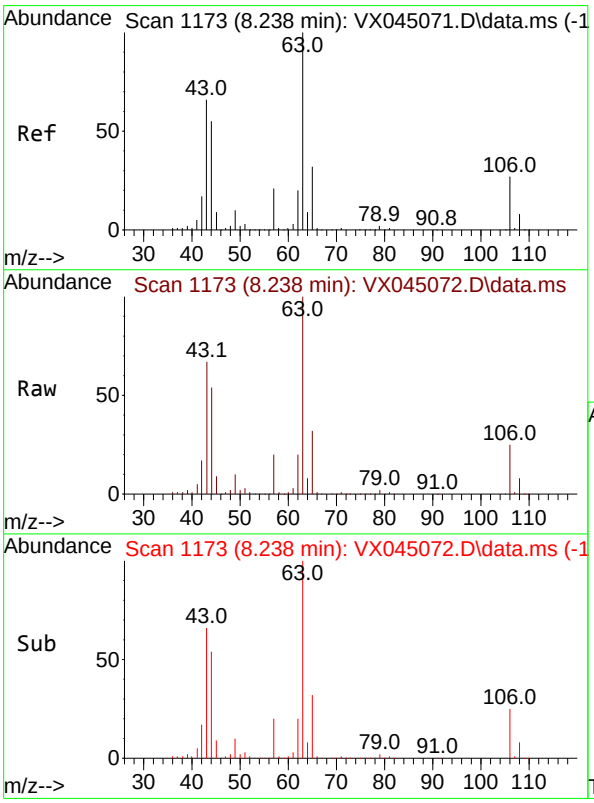
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

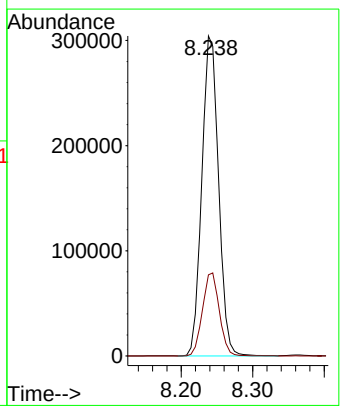
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

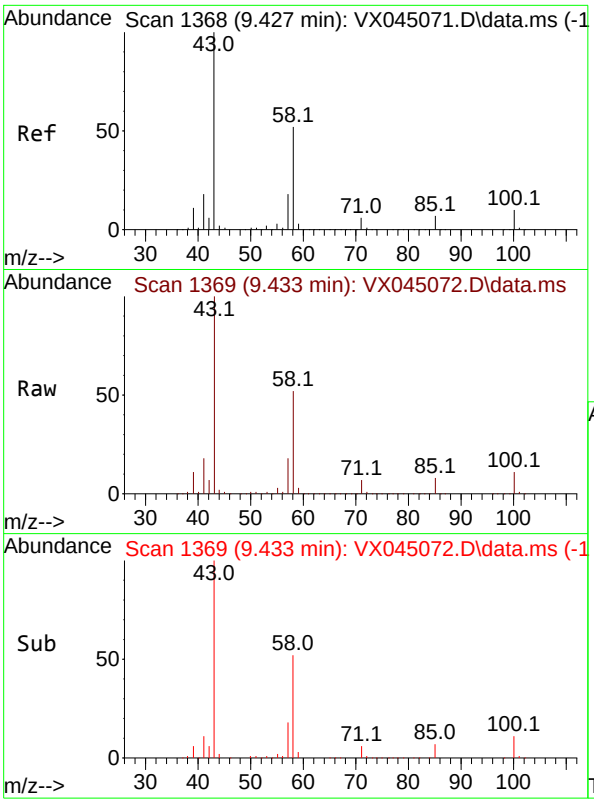


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

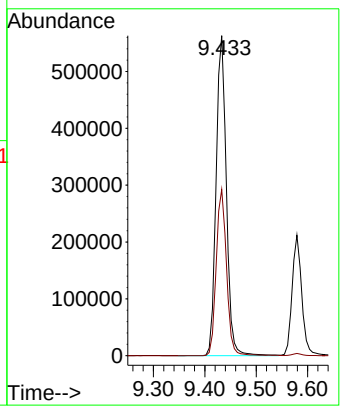




#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 77949

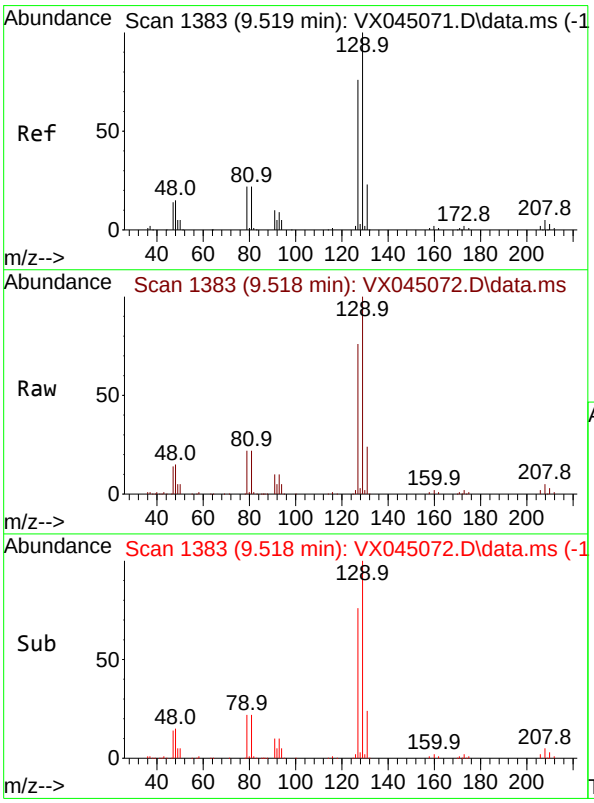
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

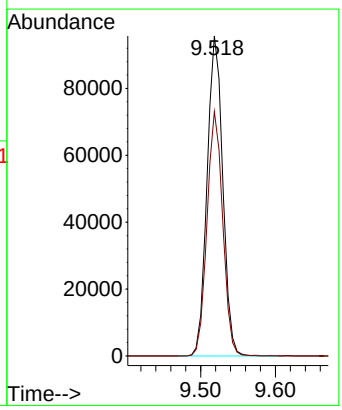
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

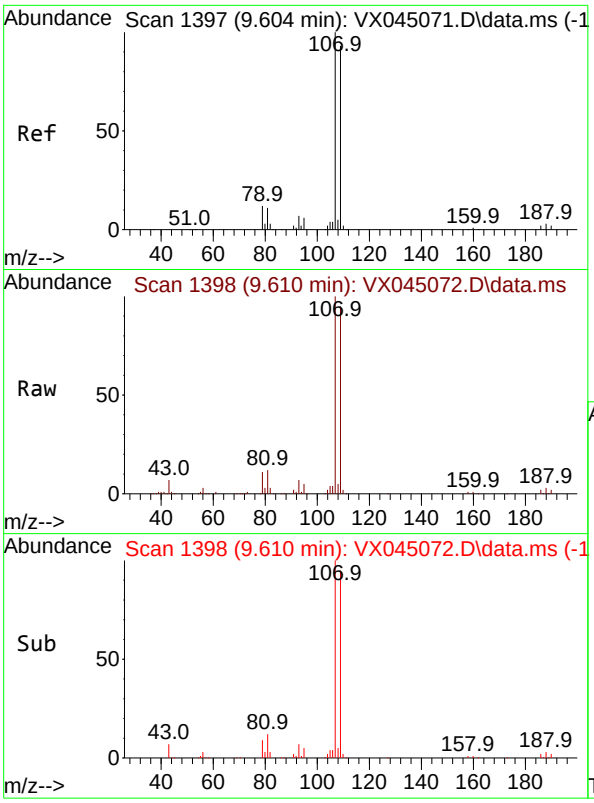


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

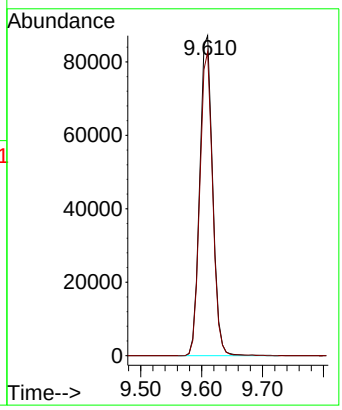




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

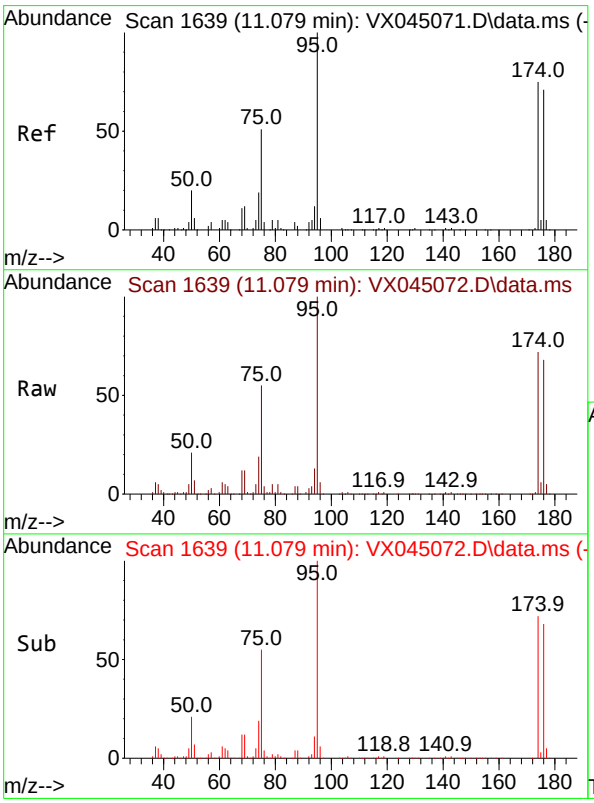
Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

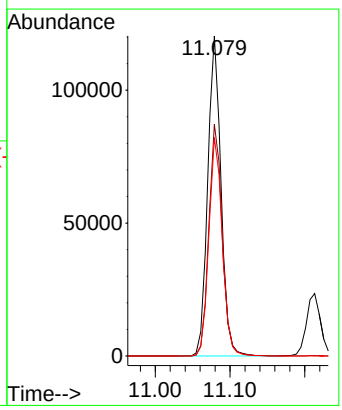
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

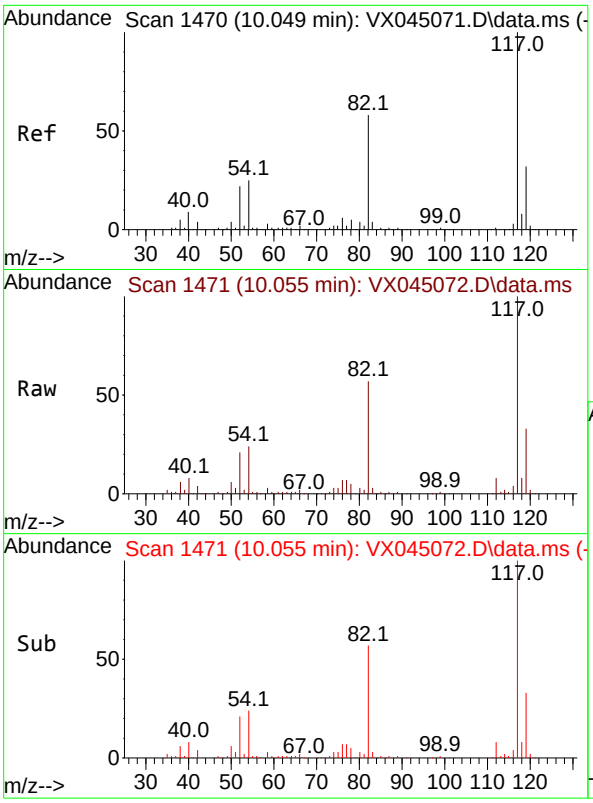


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4

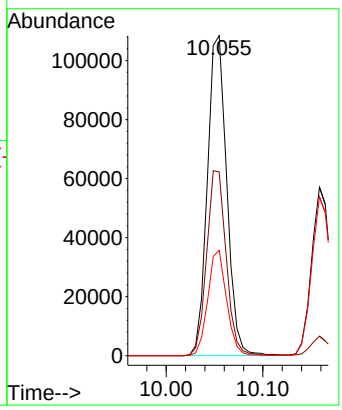




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 15117

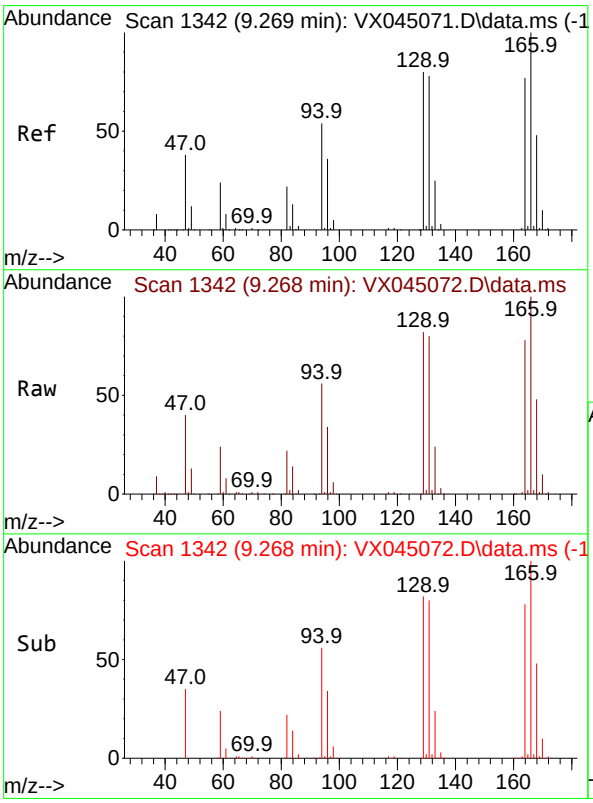
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

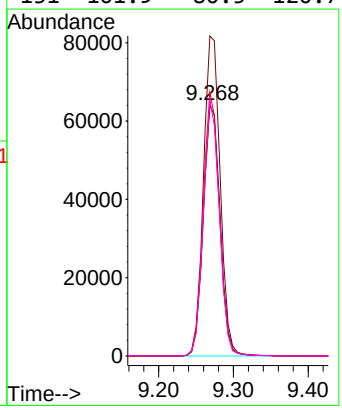
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

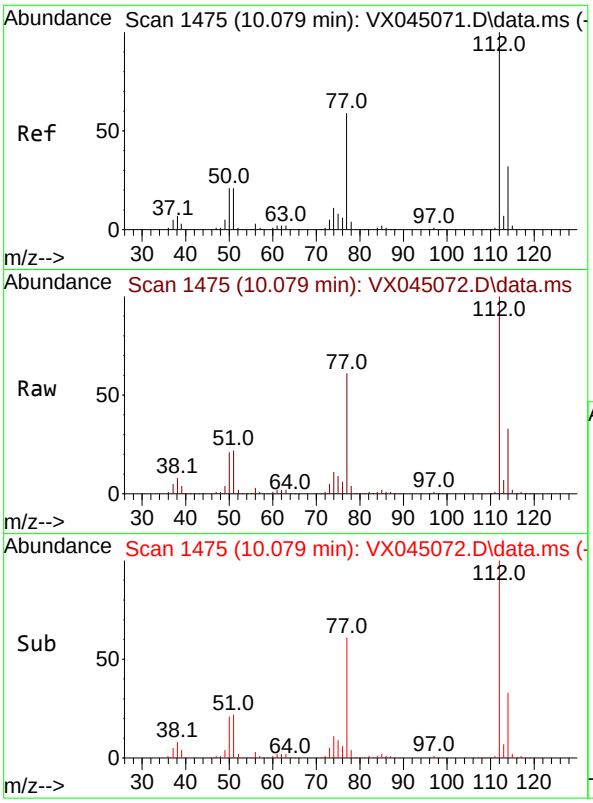


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7

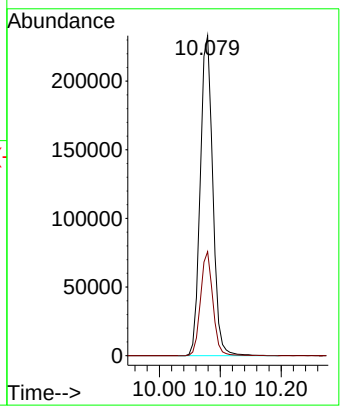




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

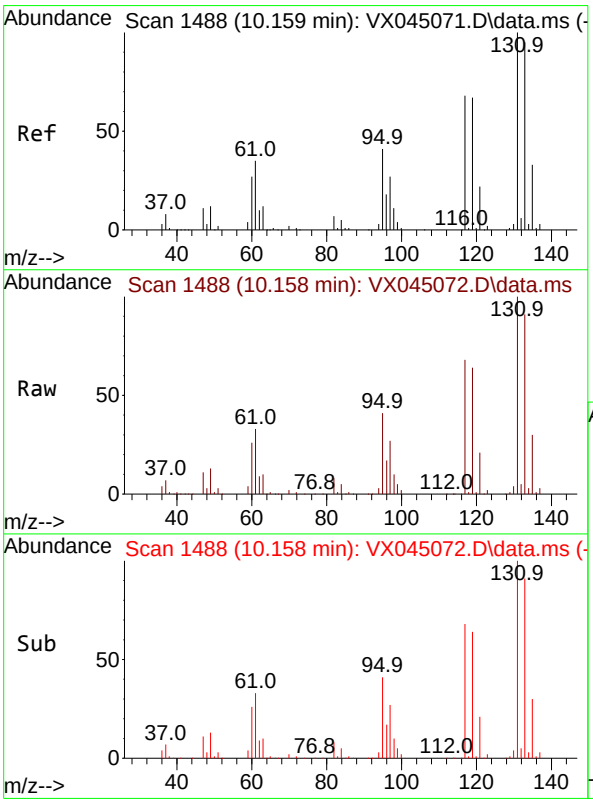
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

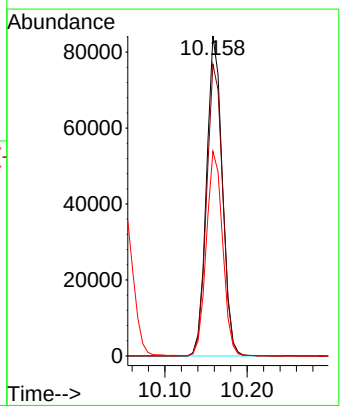
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

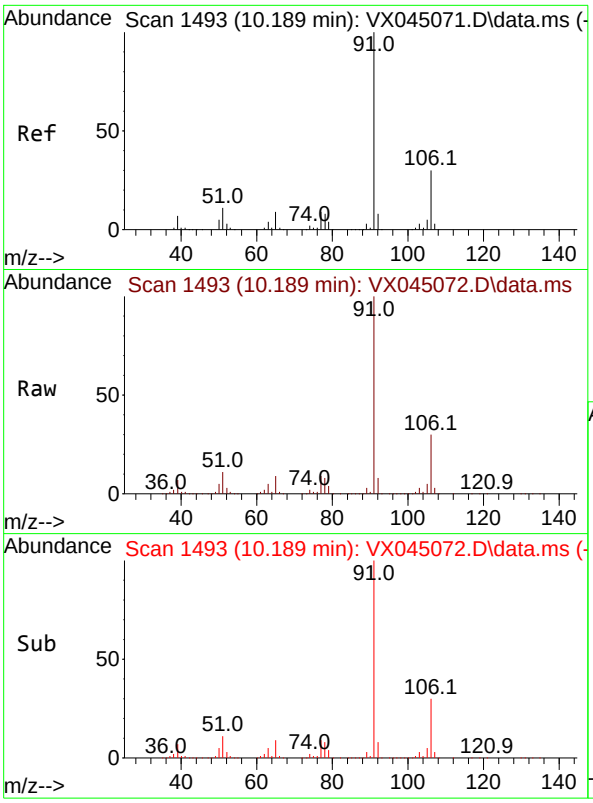


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7

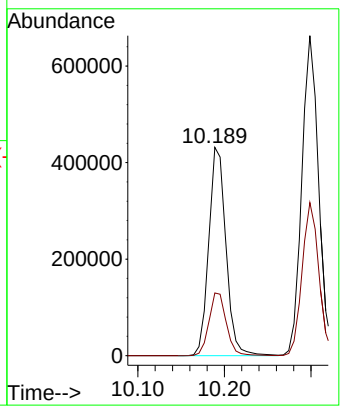




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

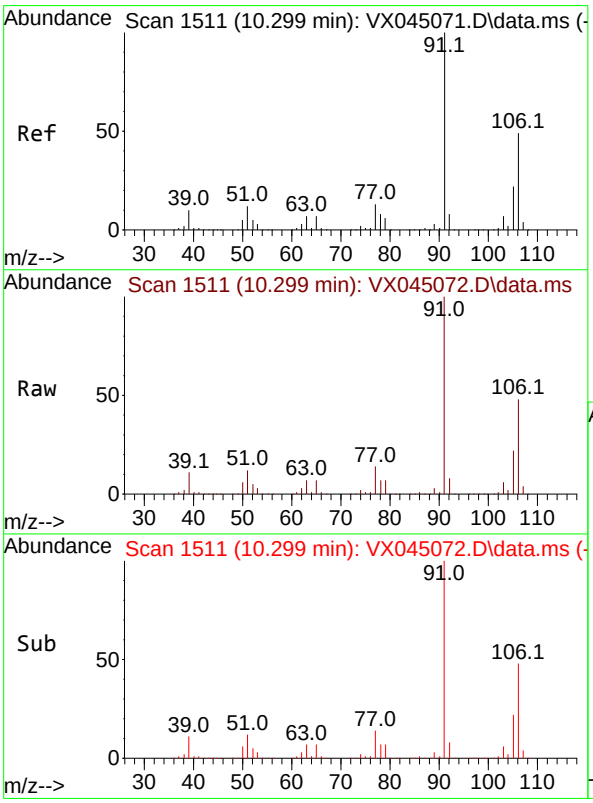
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

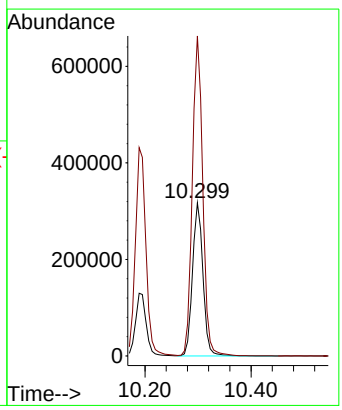
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

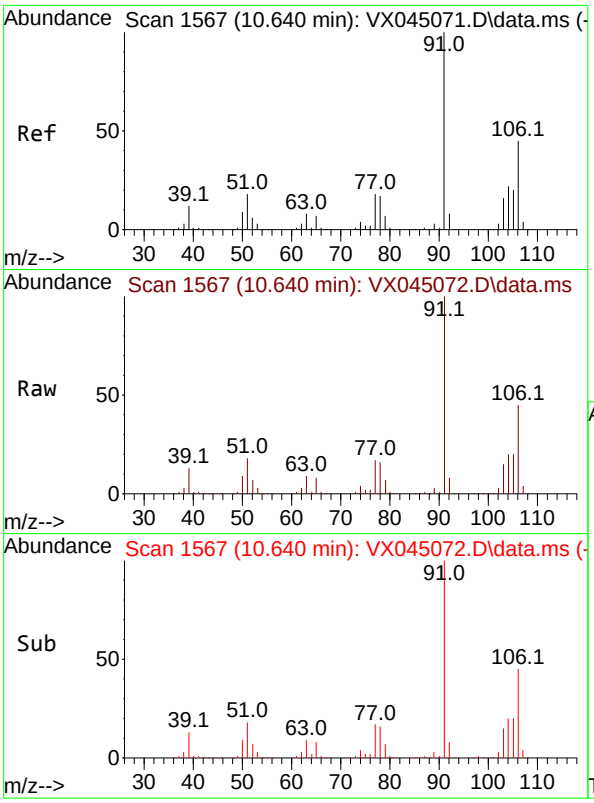


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

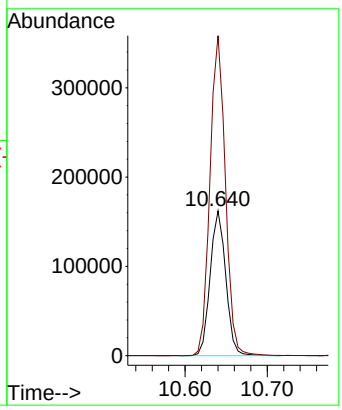




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

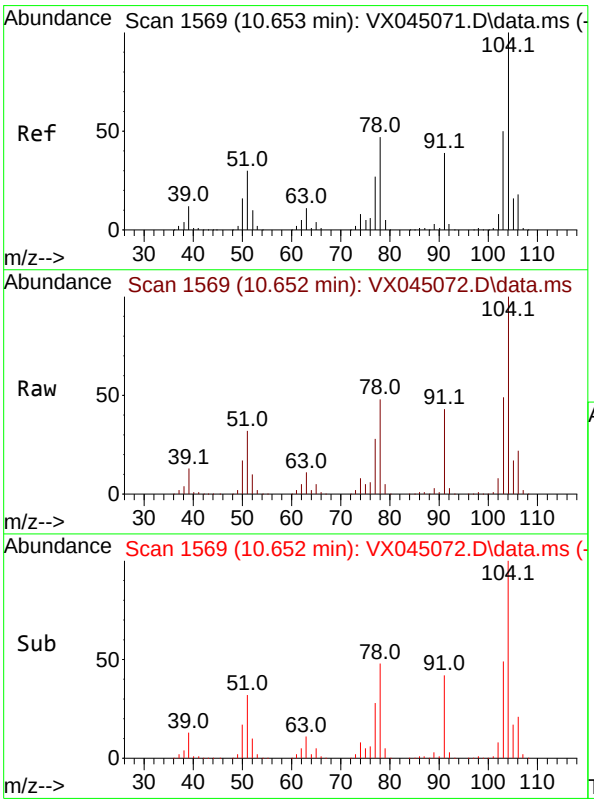
Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

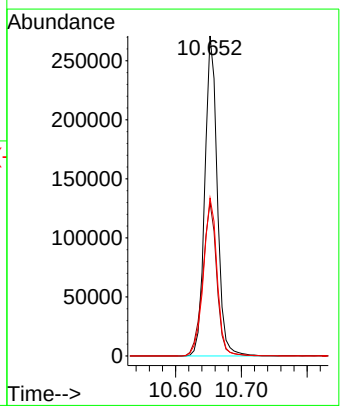
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

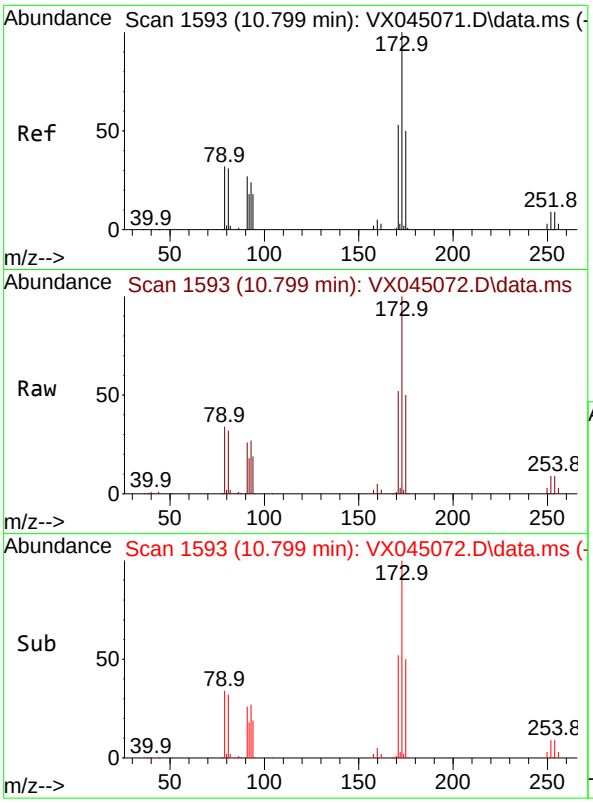


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8

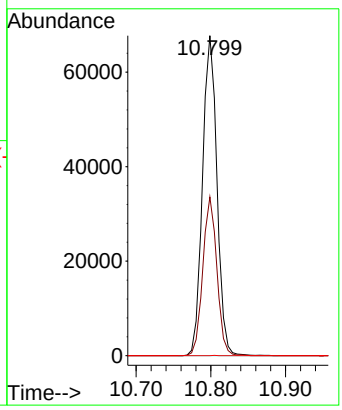




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

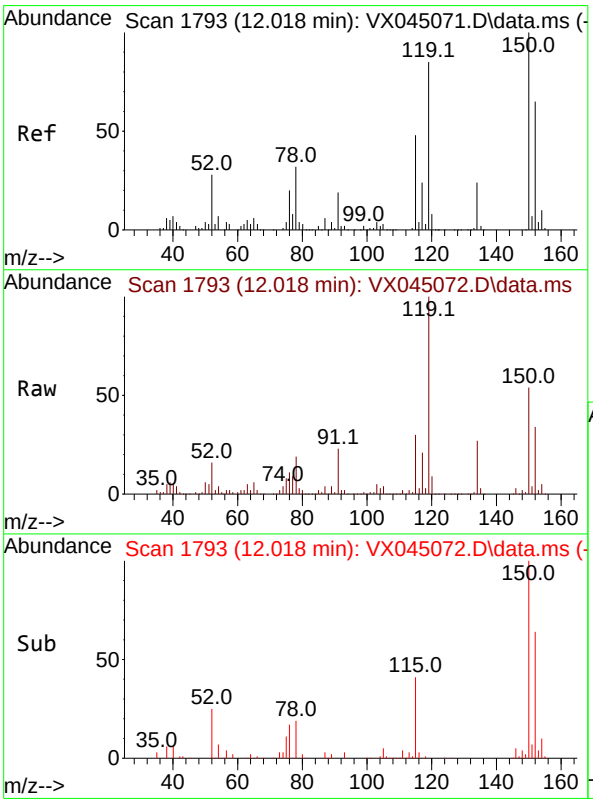
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

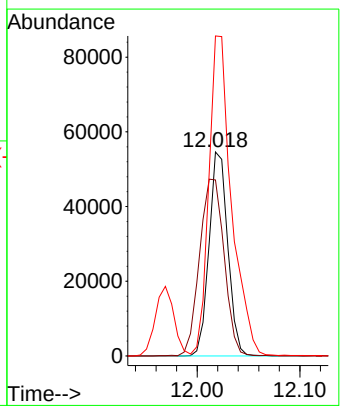
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

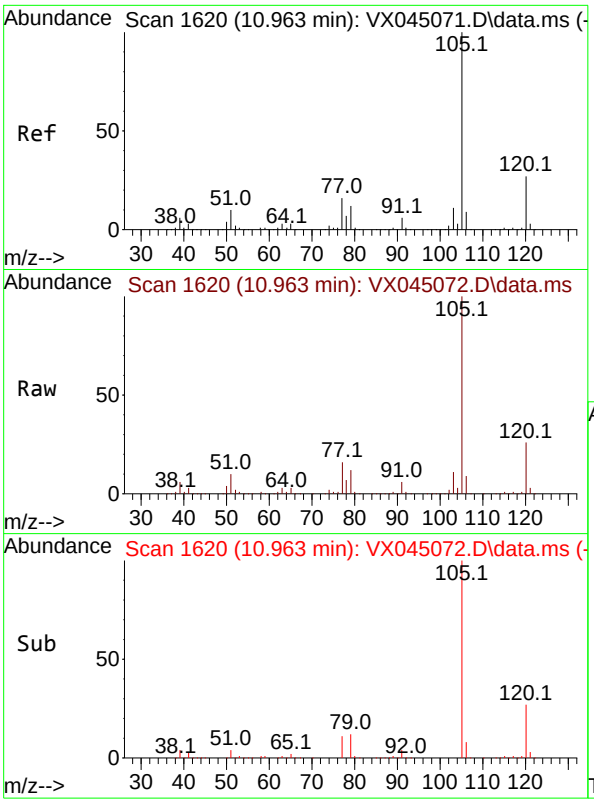


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0

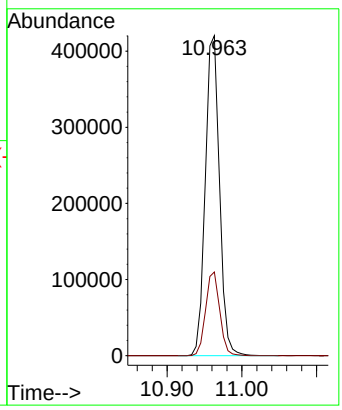




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

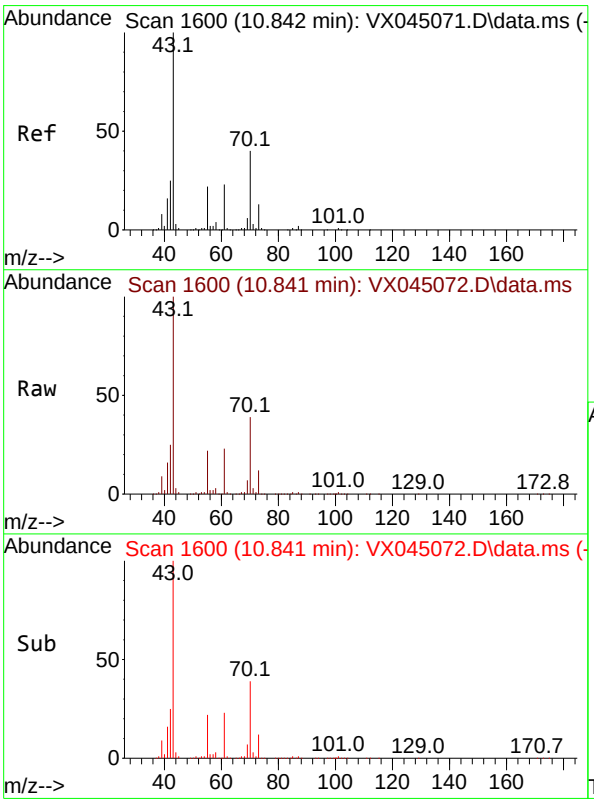
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

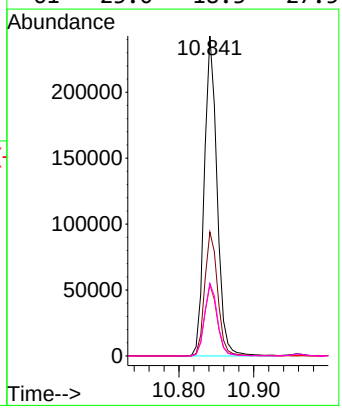
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

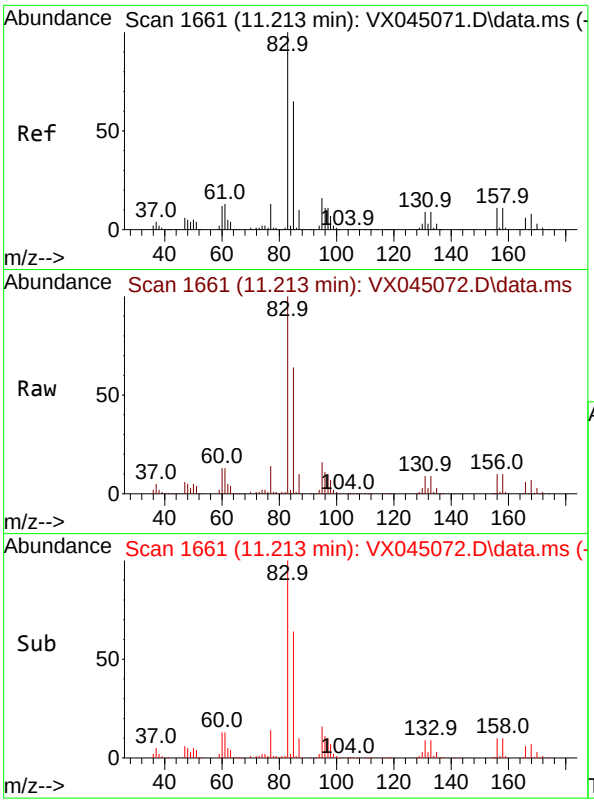


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

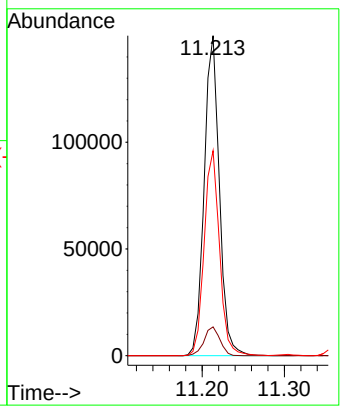




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

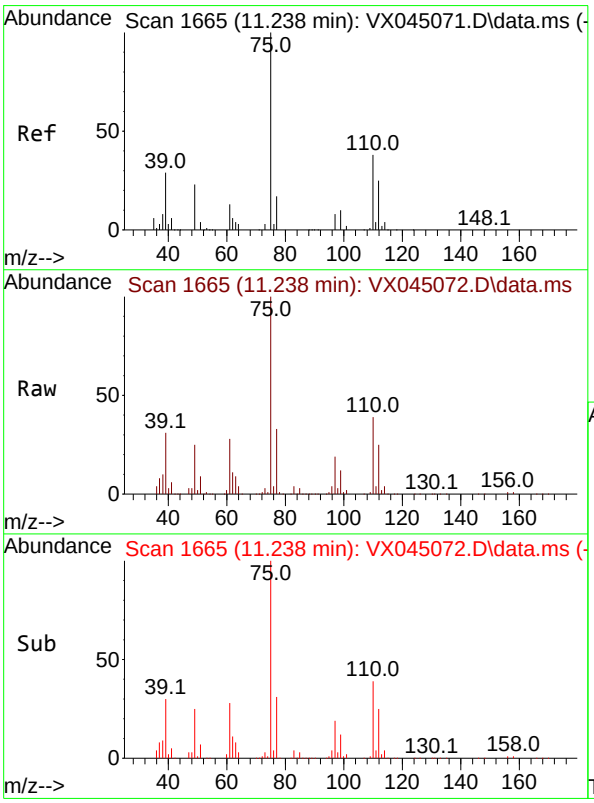
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

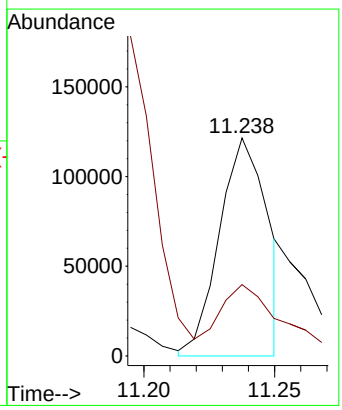
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

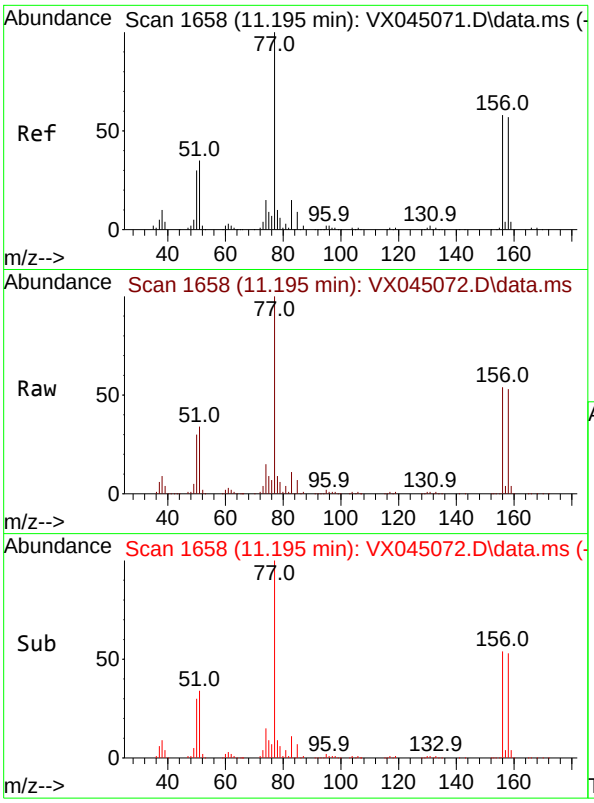


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1

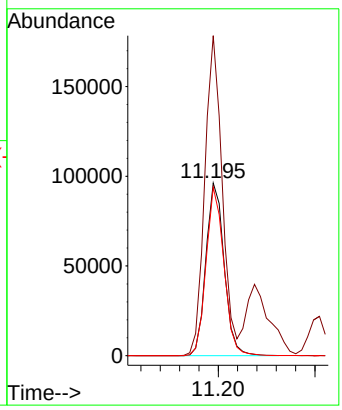




#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570

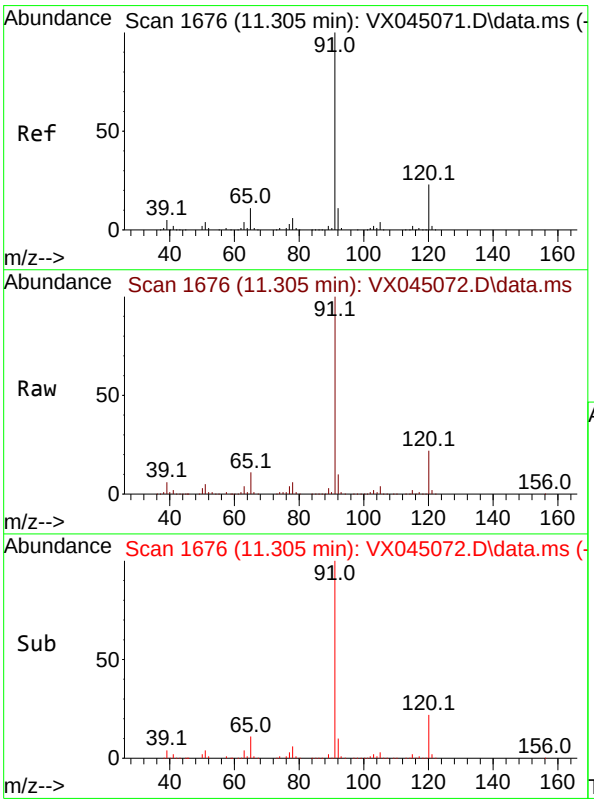
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

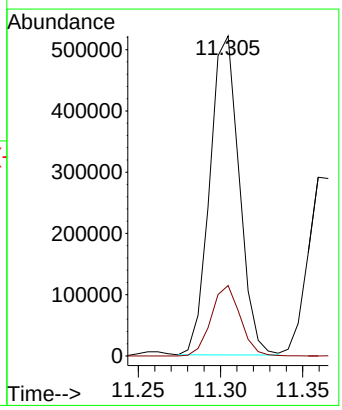
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

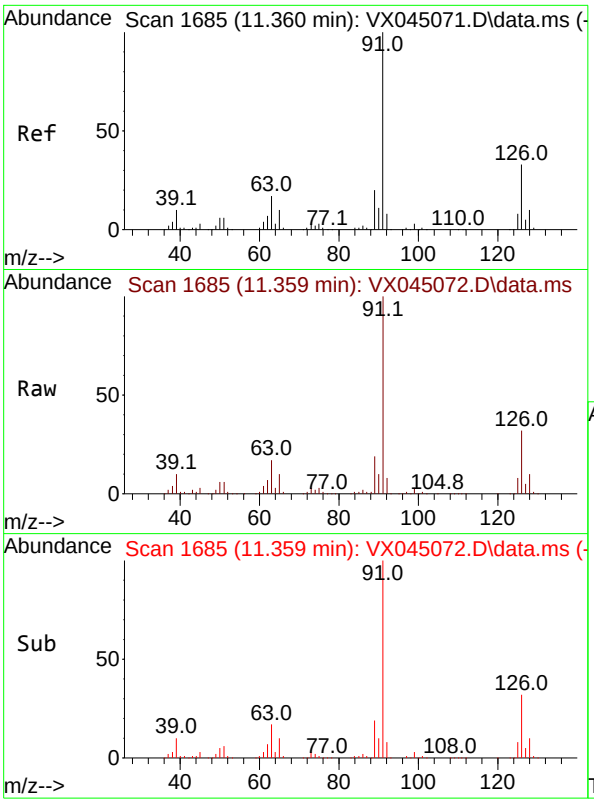


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

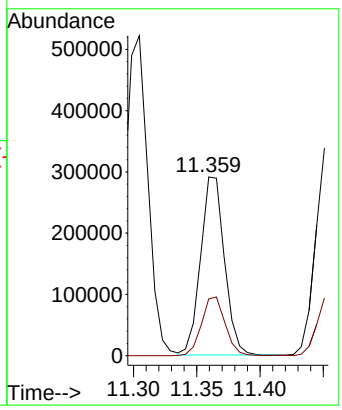
Tgt Ion: 91 Resp: 38270

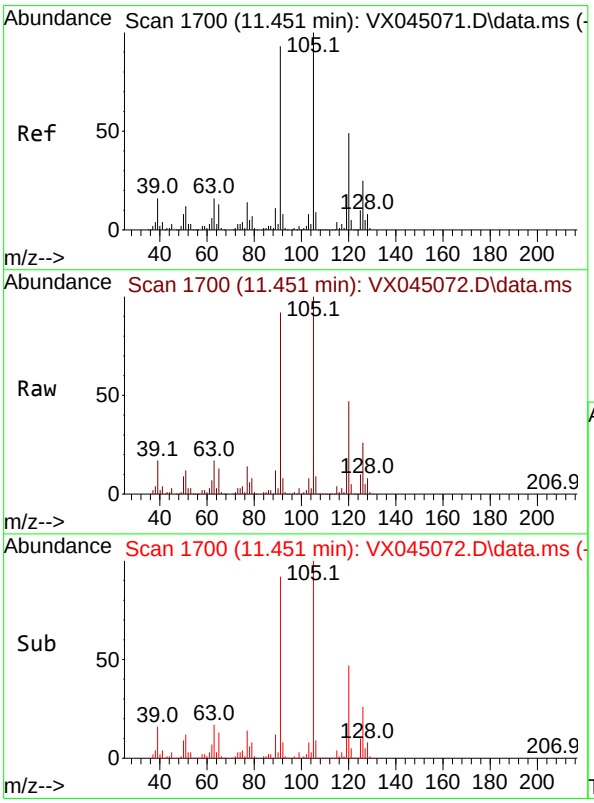
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

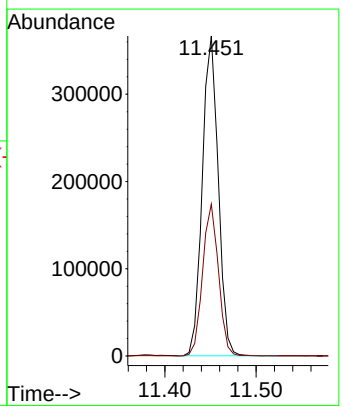


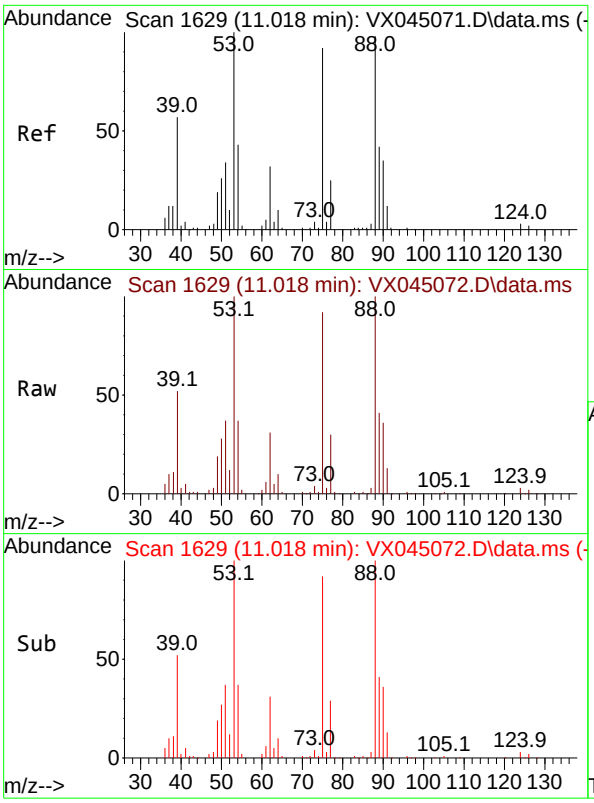


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

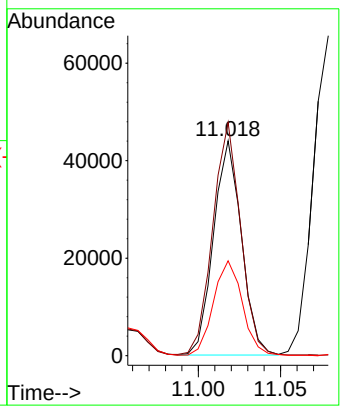




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

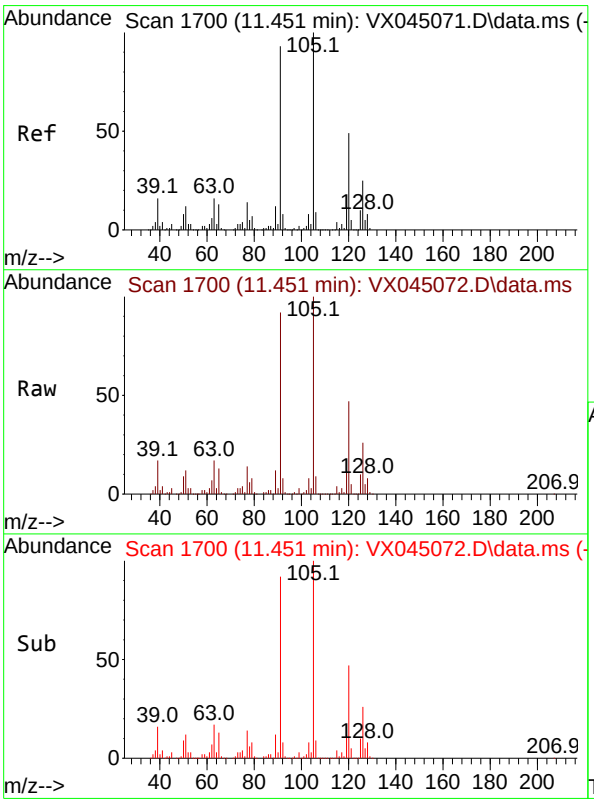
Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

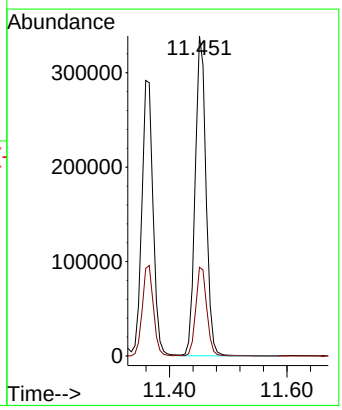
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

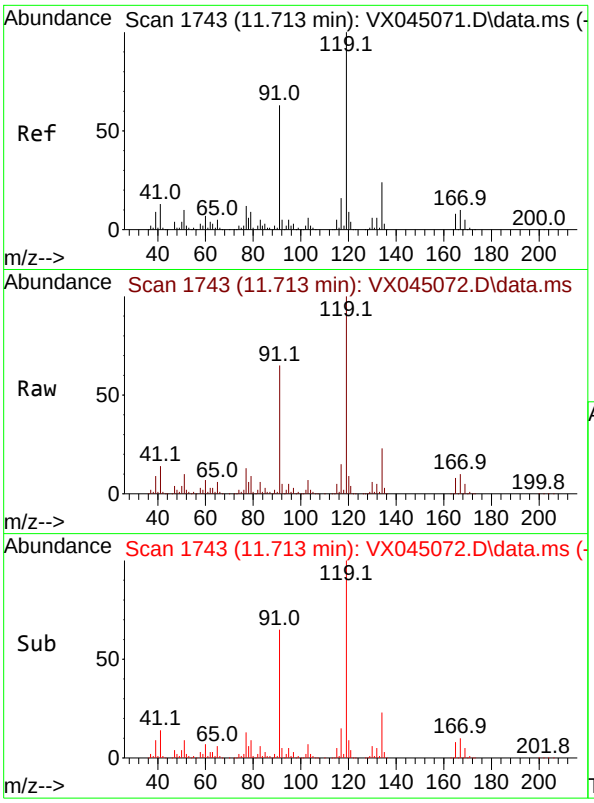


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

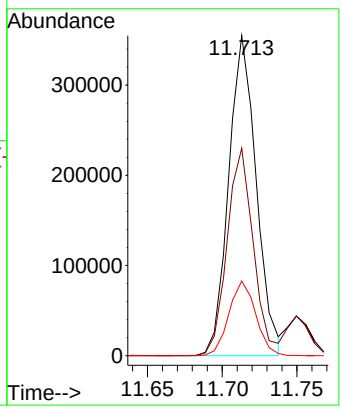




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

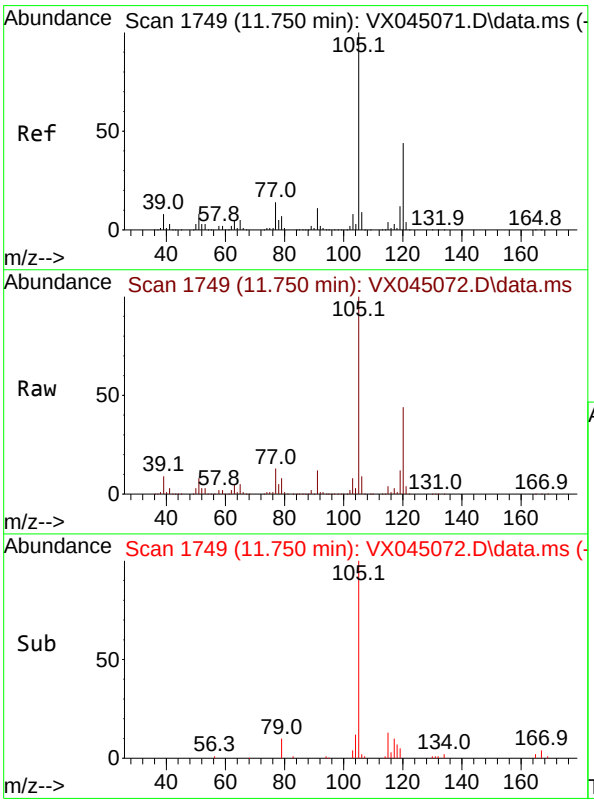
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

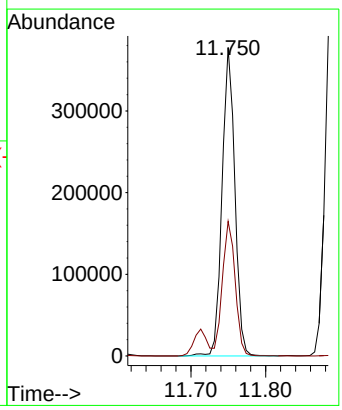
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

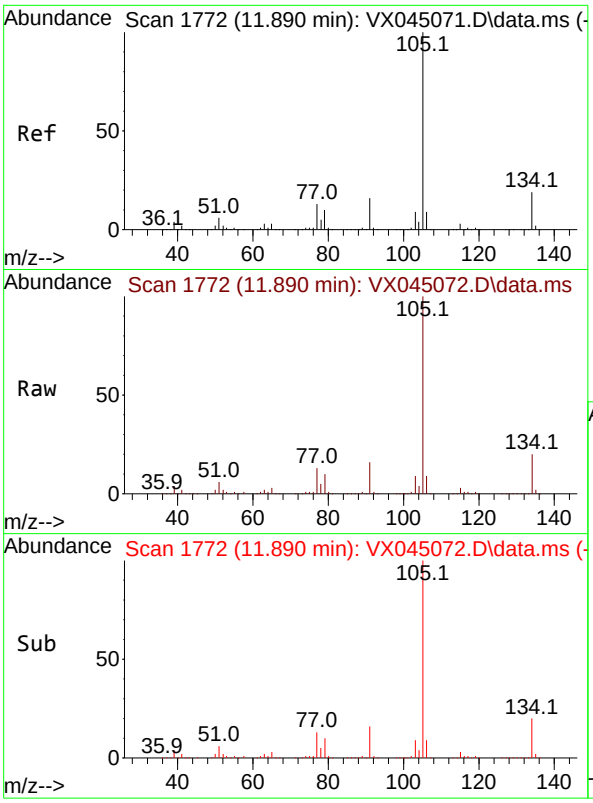


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

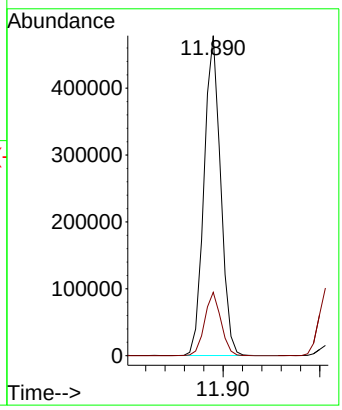
Tgt Ion:105 Resp: 57000

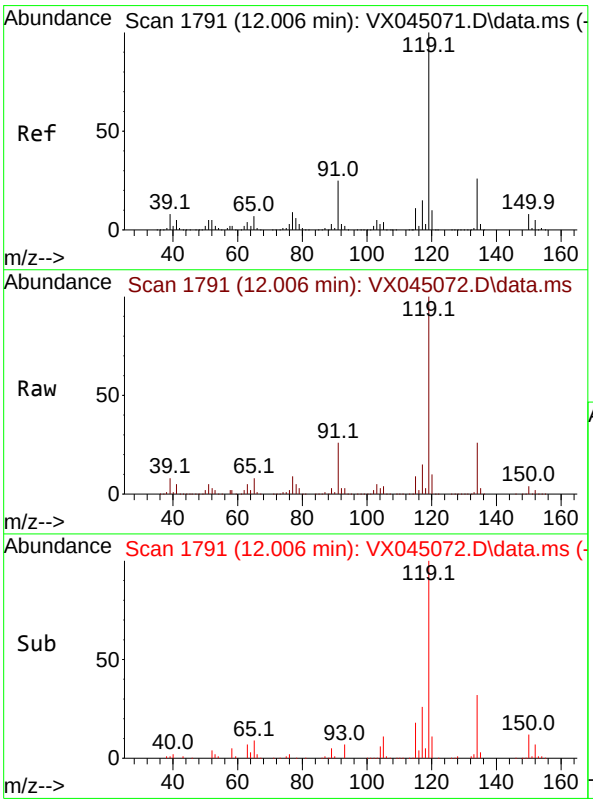
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

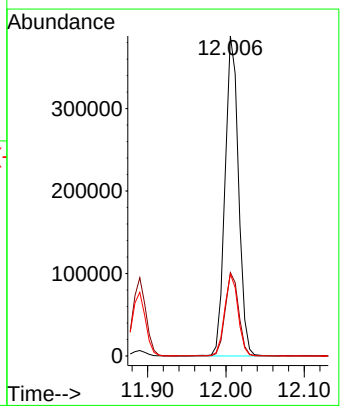


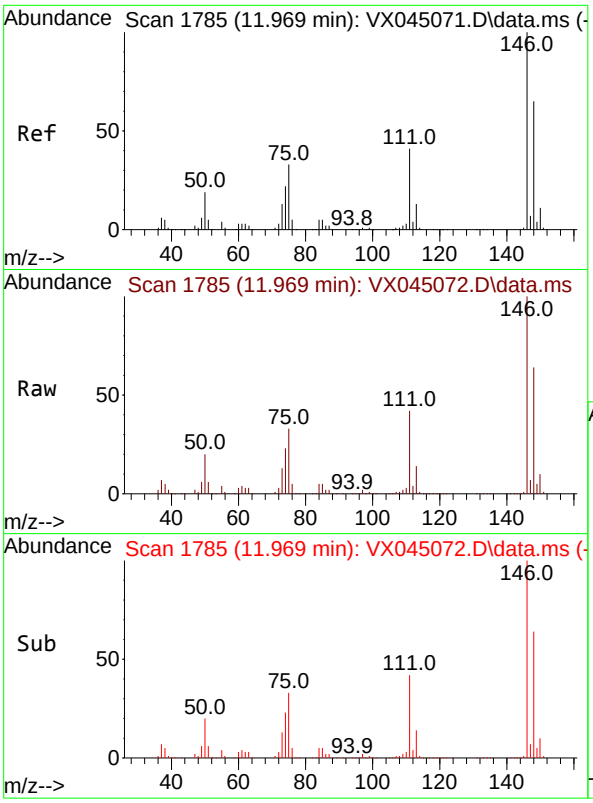


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0

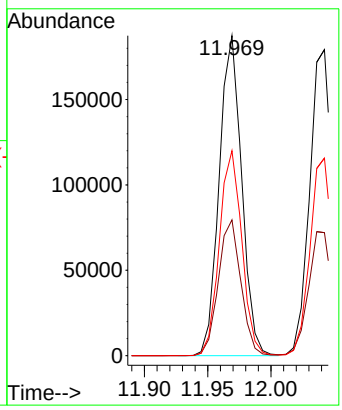




#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23144

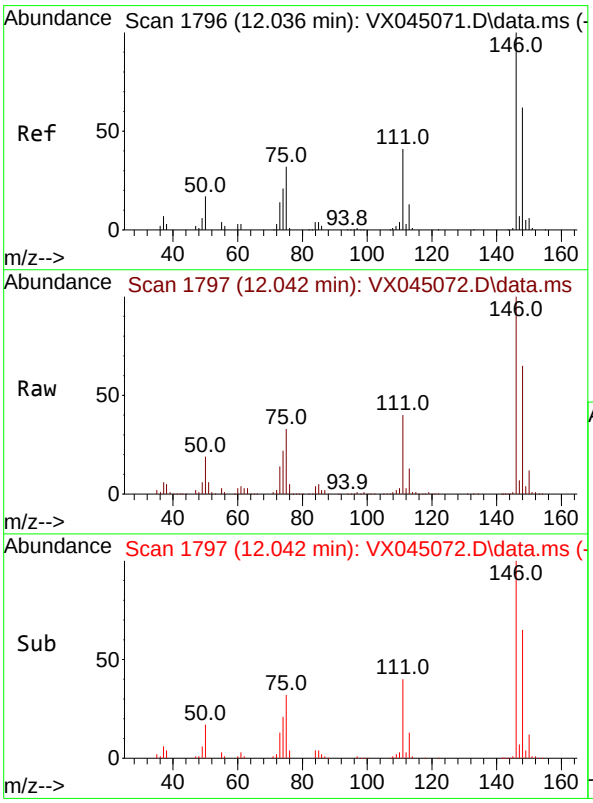
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

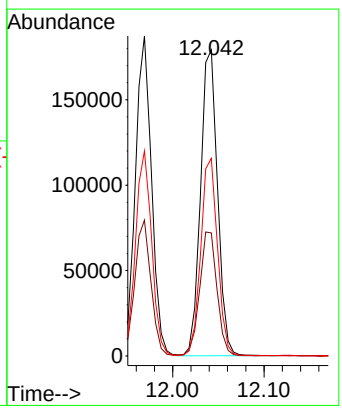
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

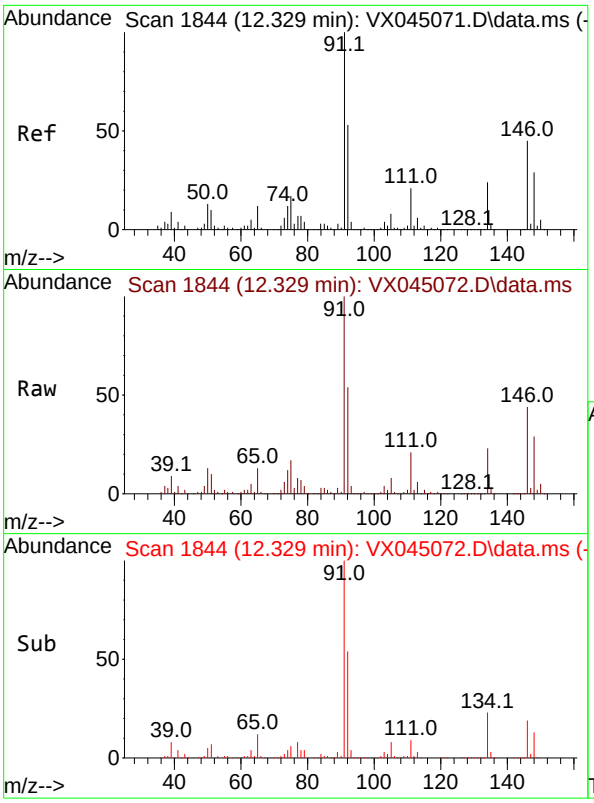


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9

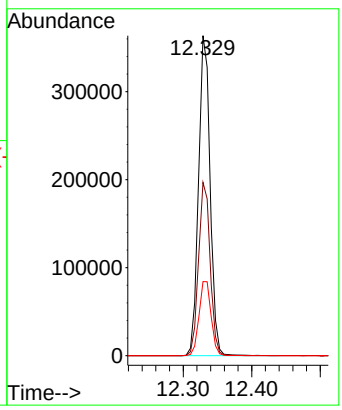




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

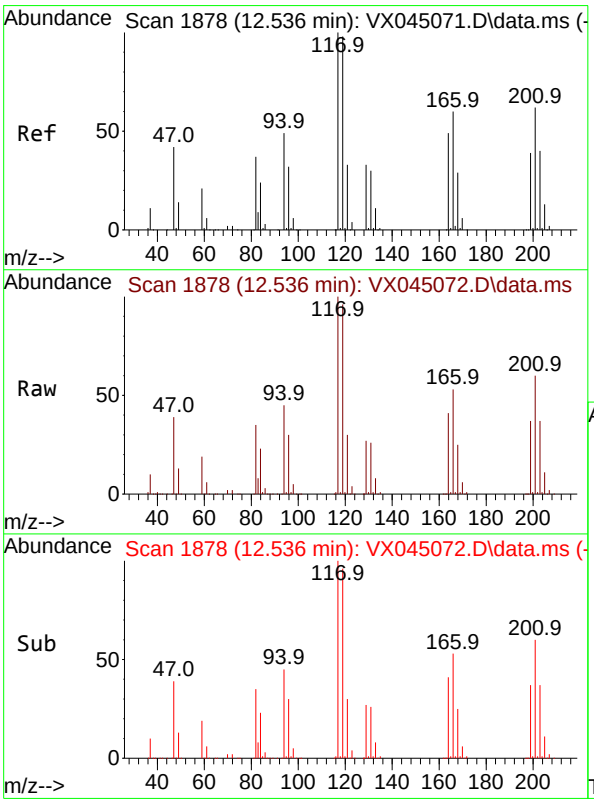
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

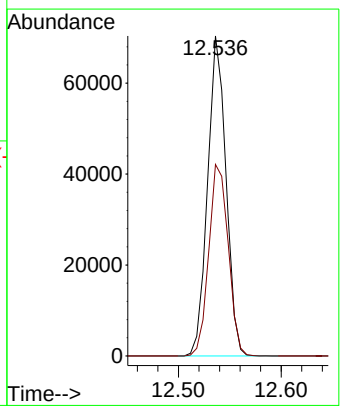
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

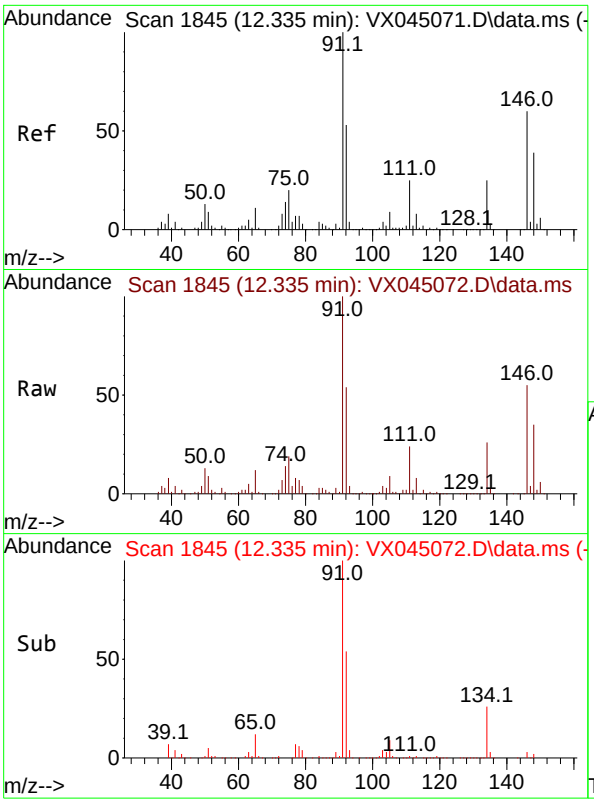


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

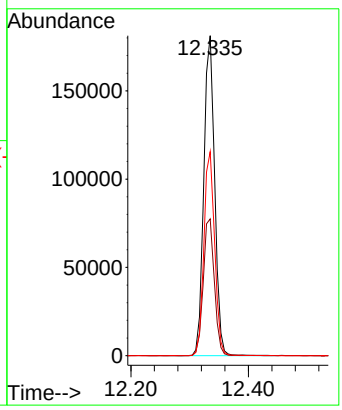




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

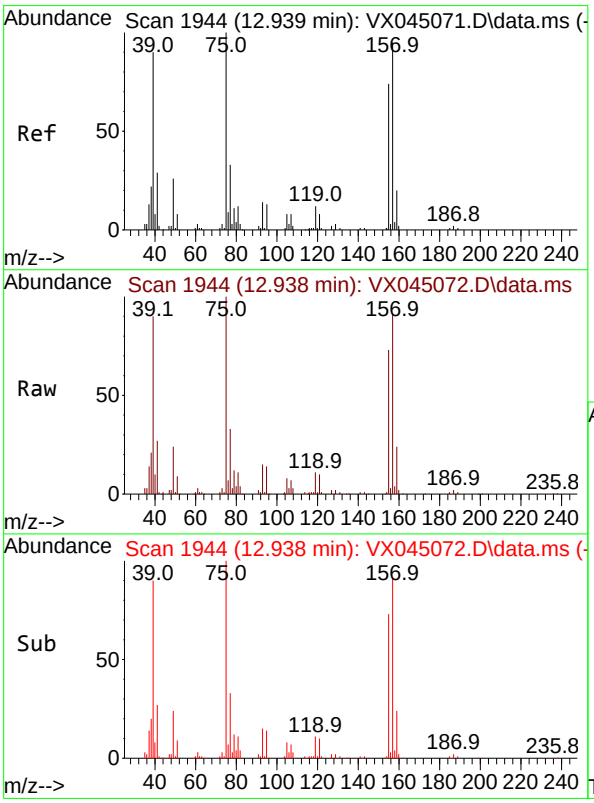
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

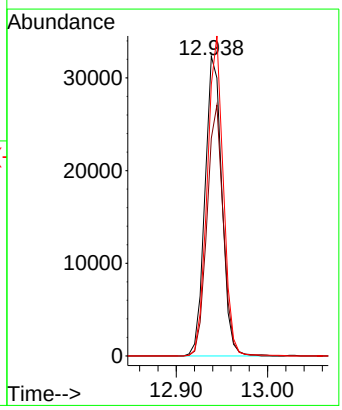
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

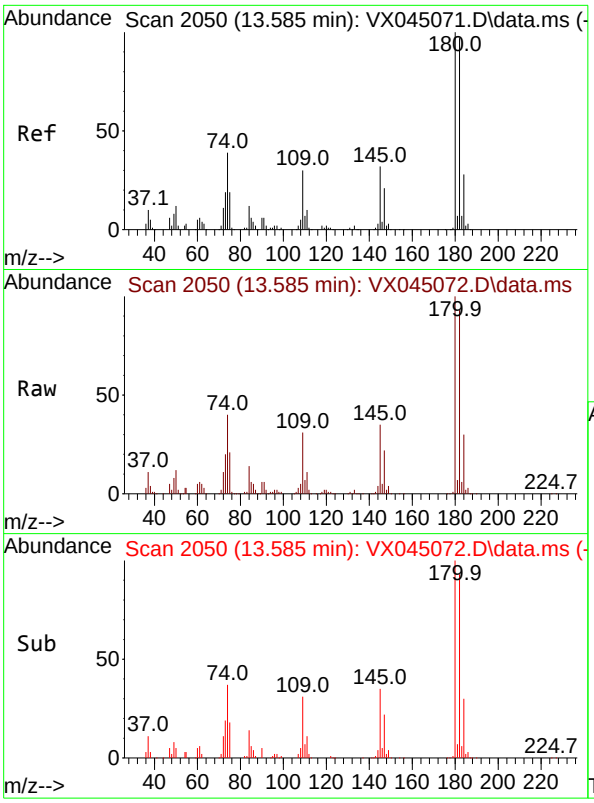


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

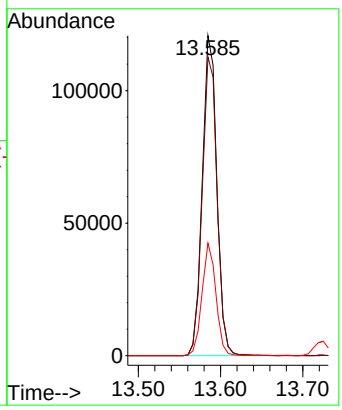
Tgt Ion:180 Resp: 14836

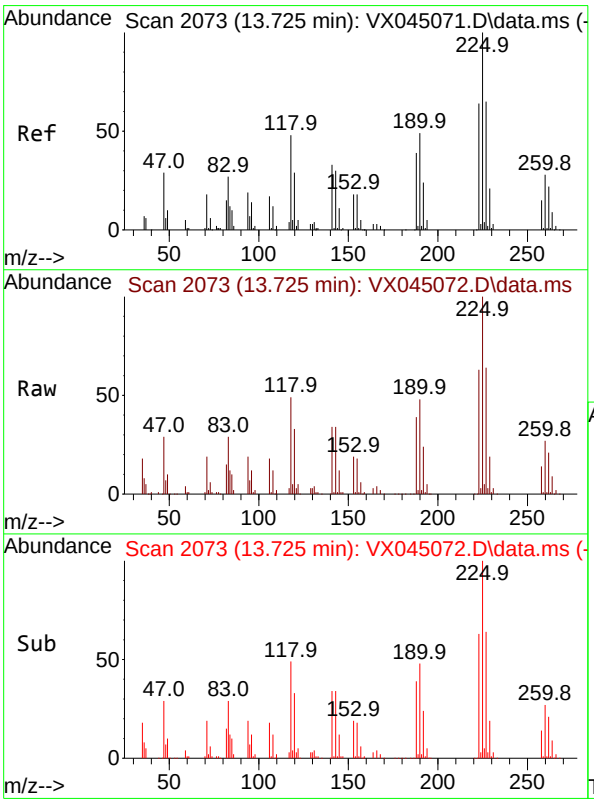
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

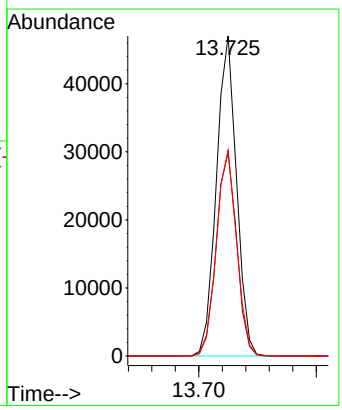


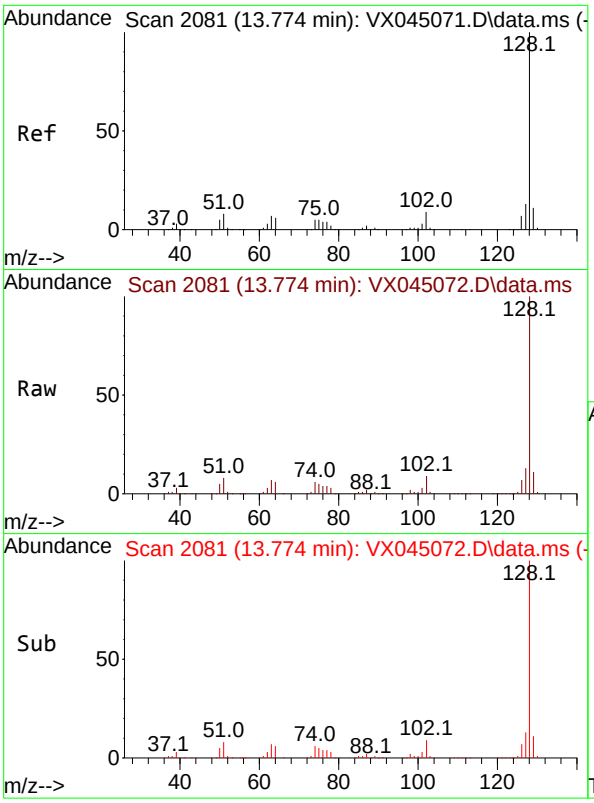


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0

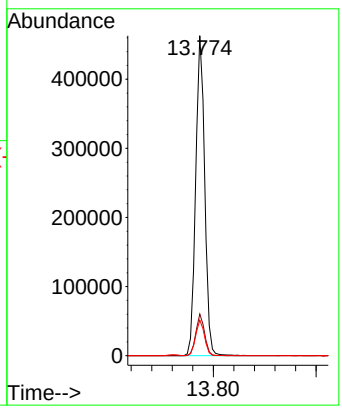




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

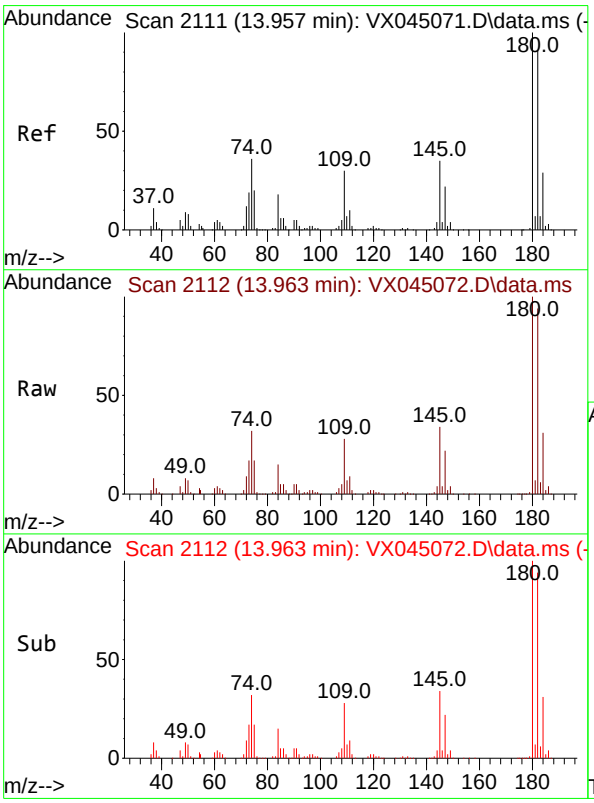
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

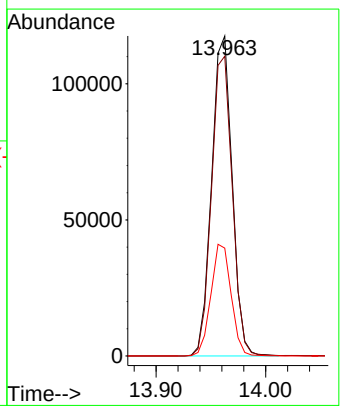
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960	ug/l		
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 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

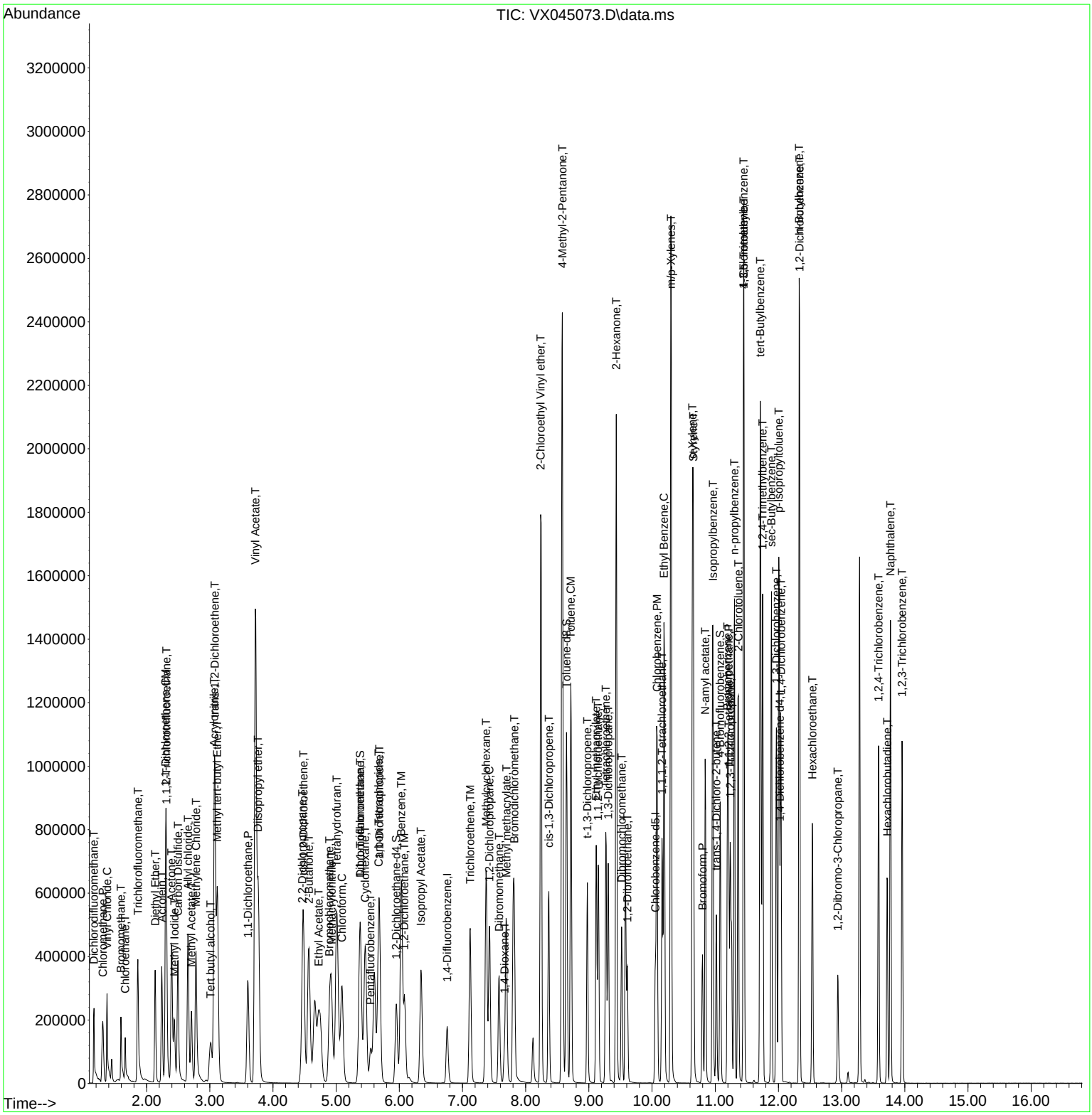
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Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

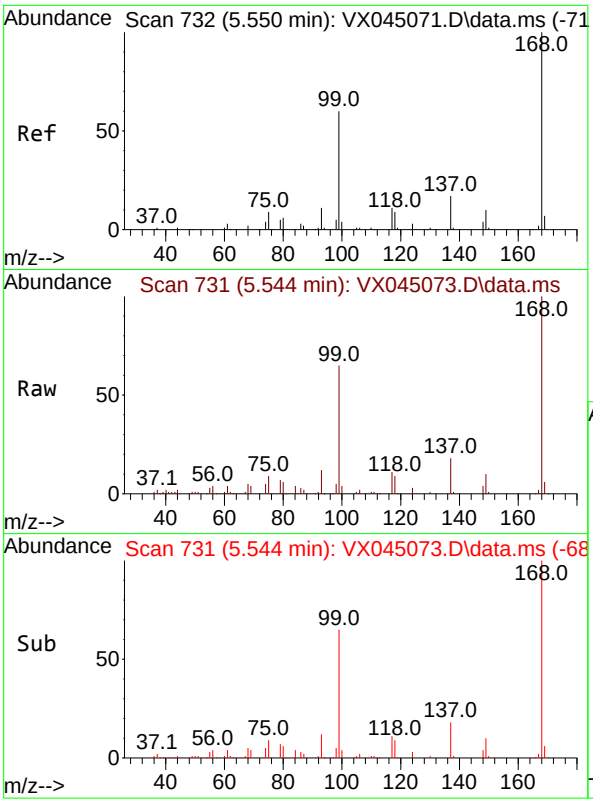
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

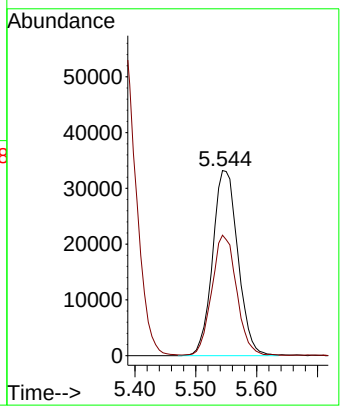




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

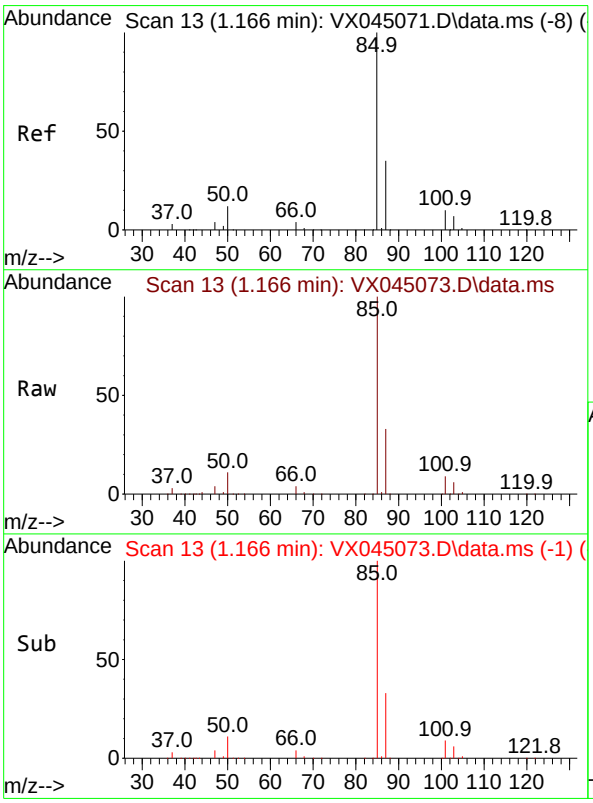
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

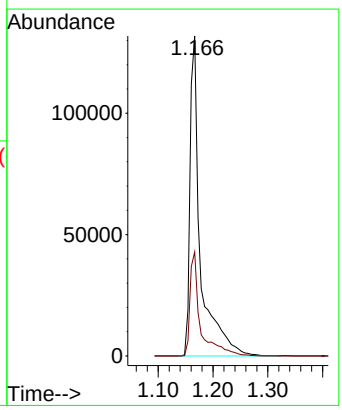
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

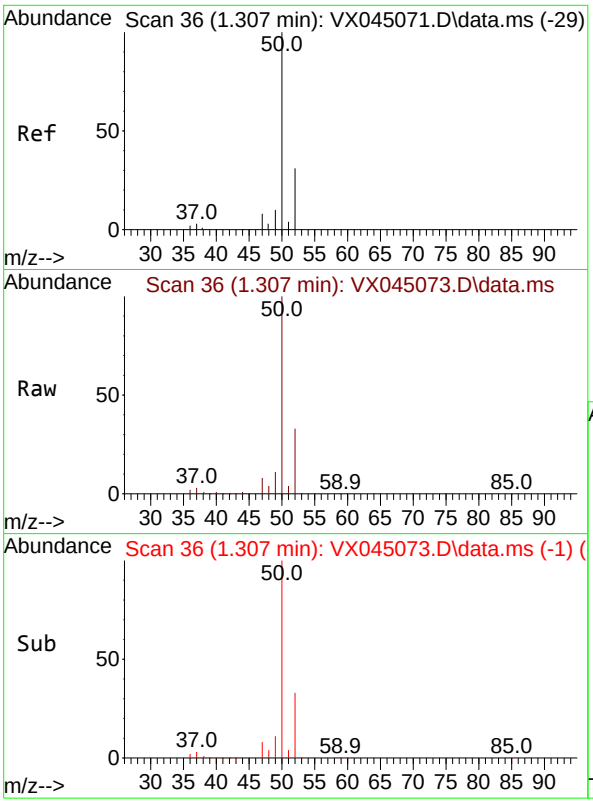


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3

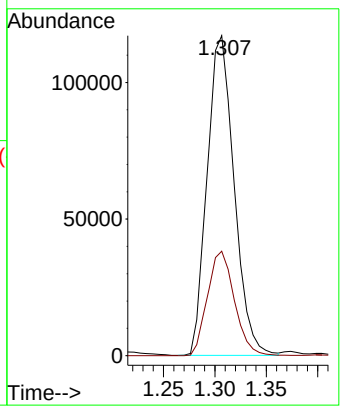




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 50 Resp: 21370

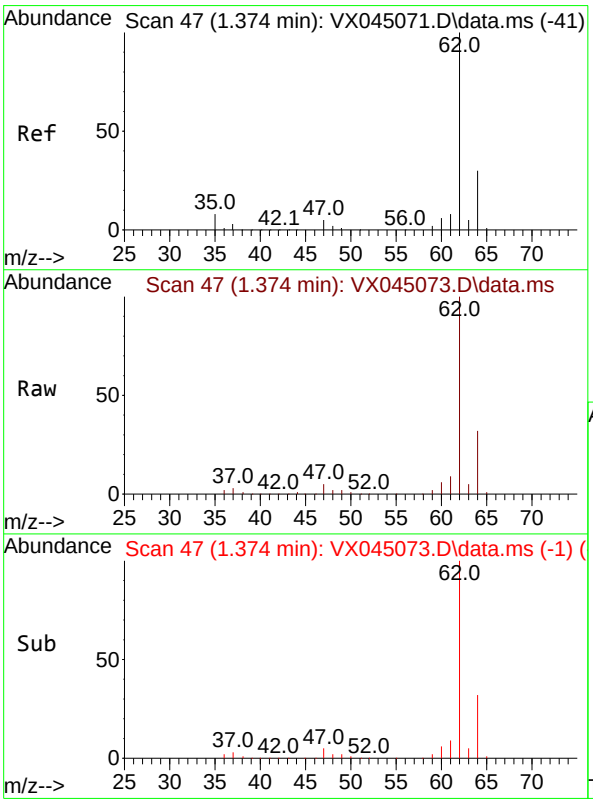
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

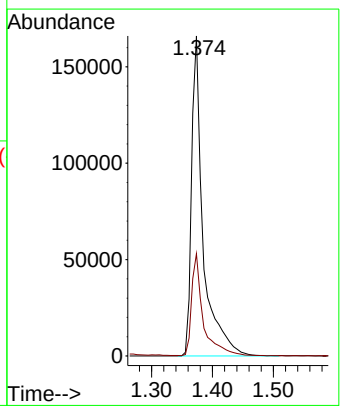
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

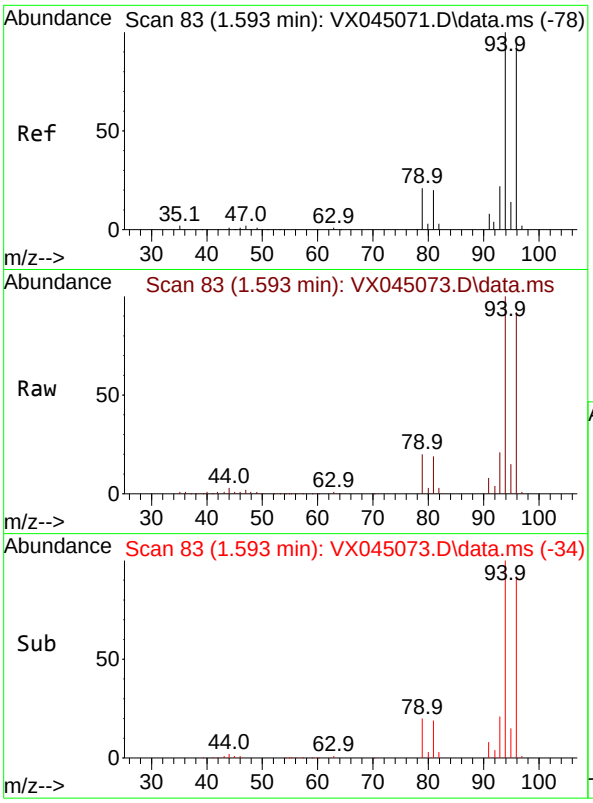


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5

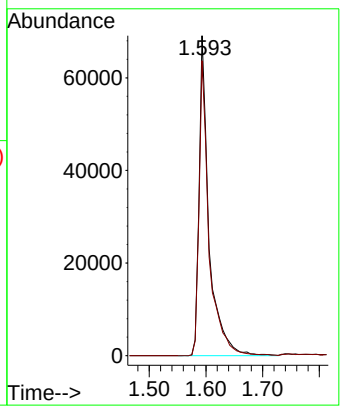




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 94 Resp: 8354

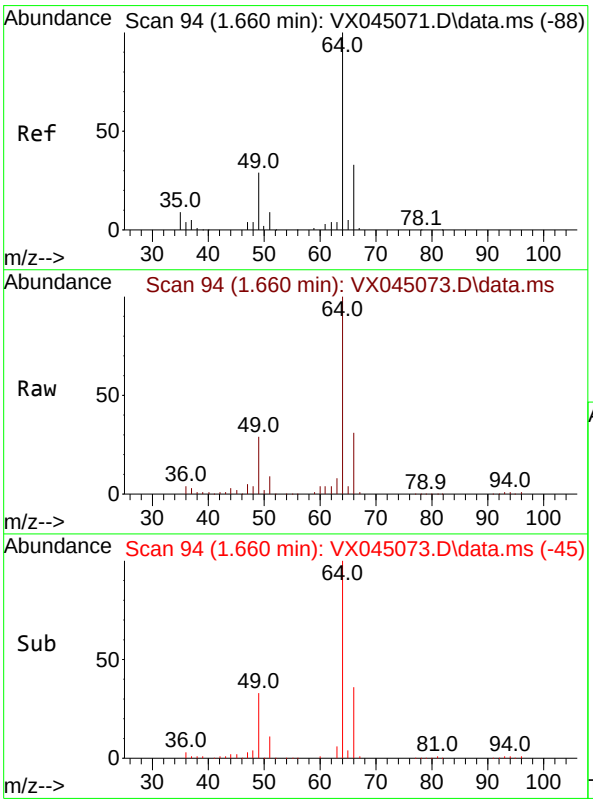
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

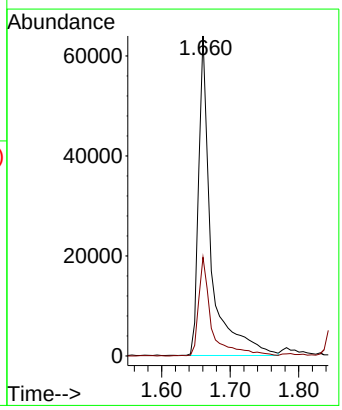
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

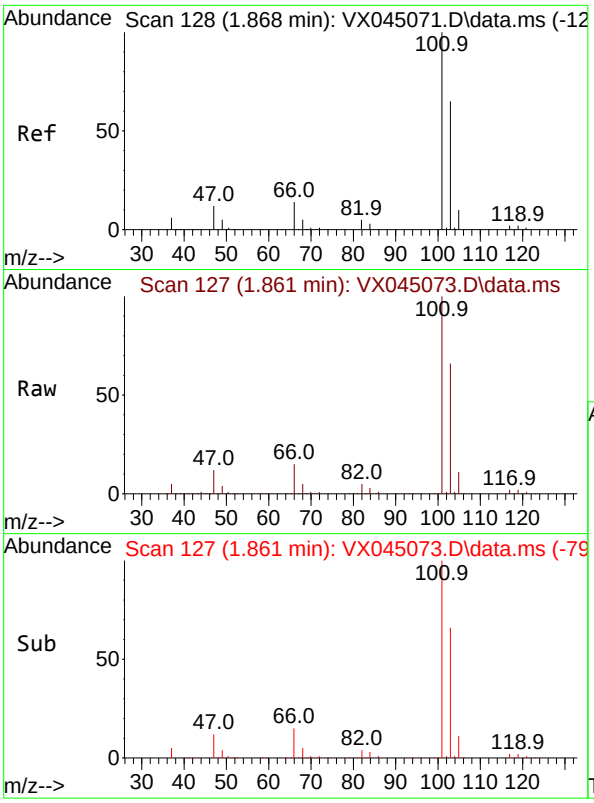


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

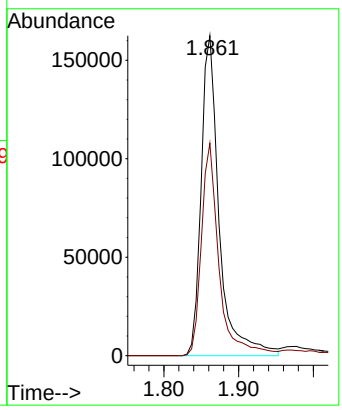




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

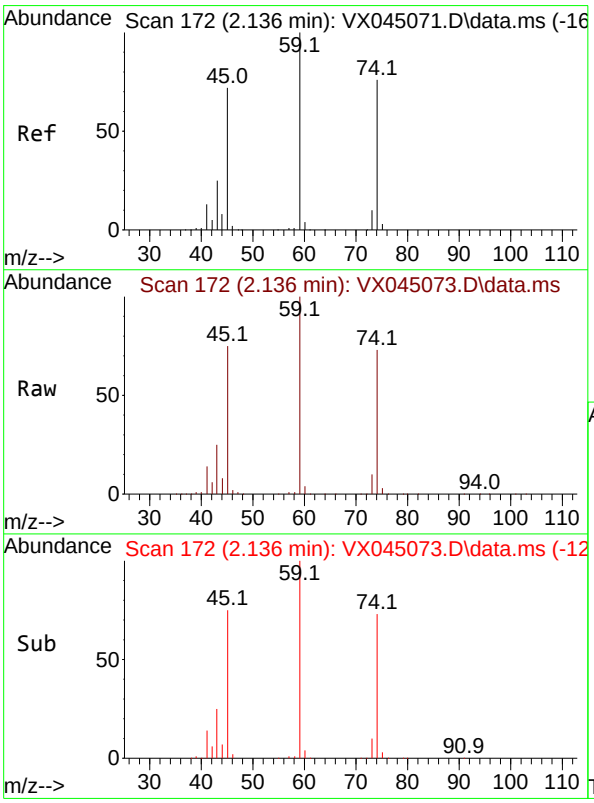
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

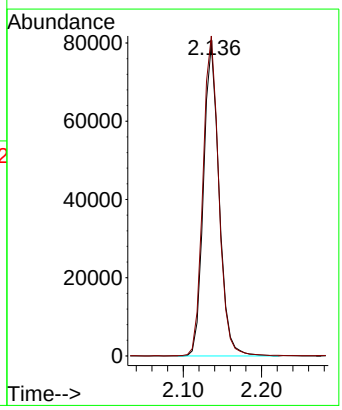
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

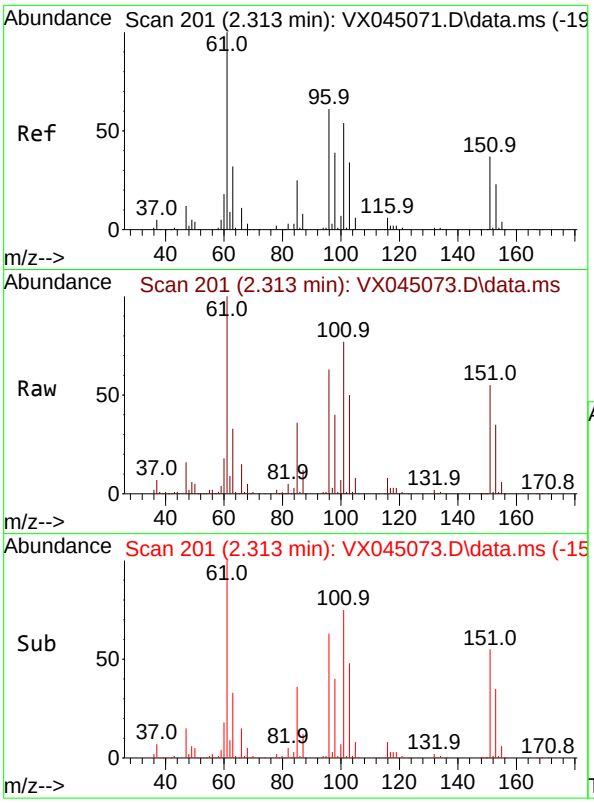


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5

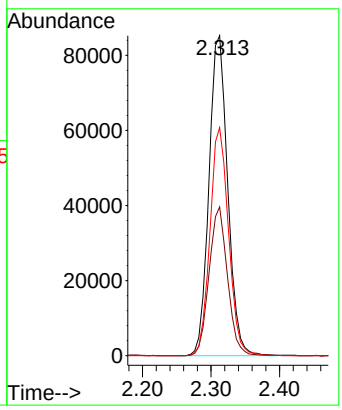




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 16182

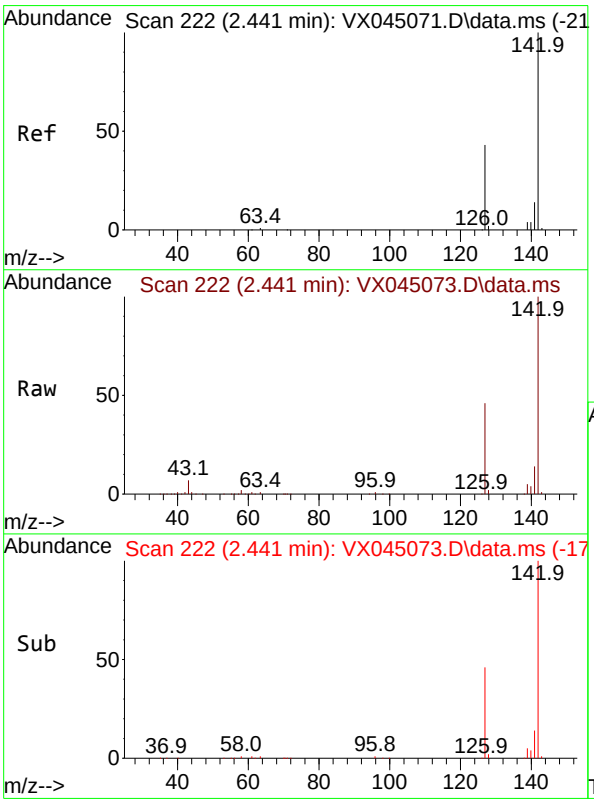
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

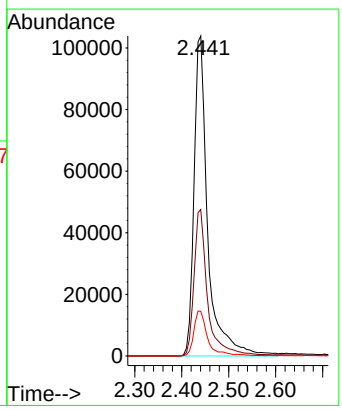
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

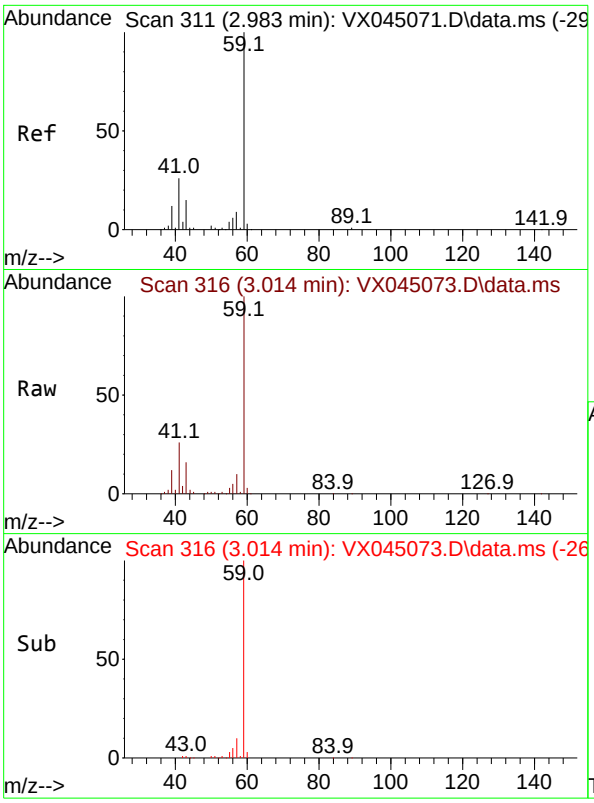


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4

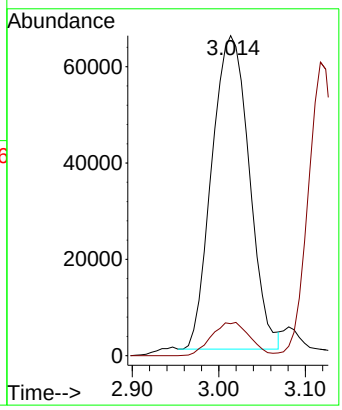




#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 59 Resp: 19541

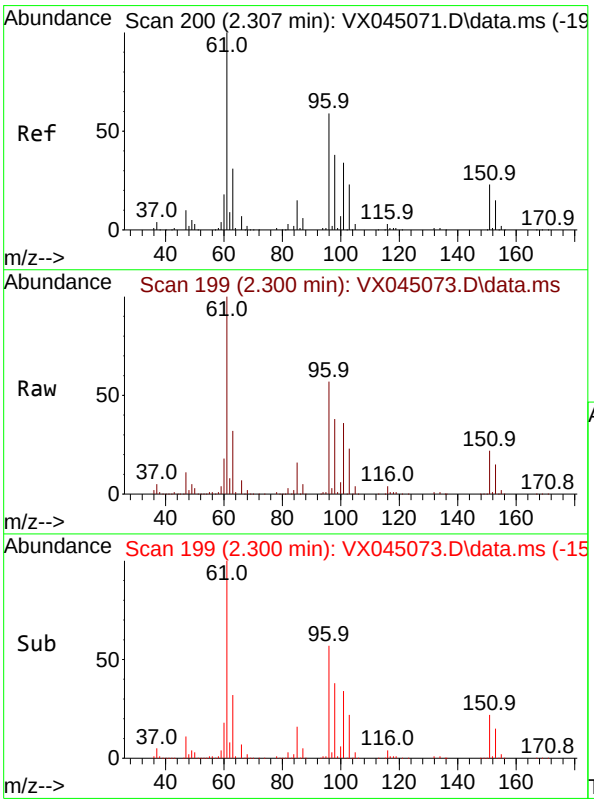
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

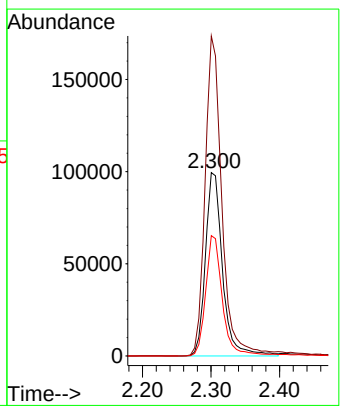
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

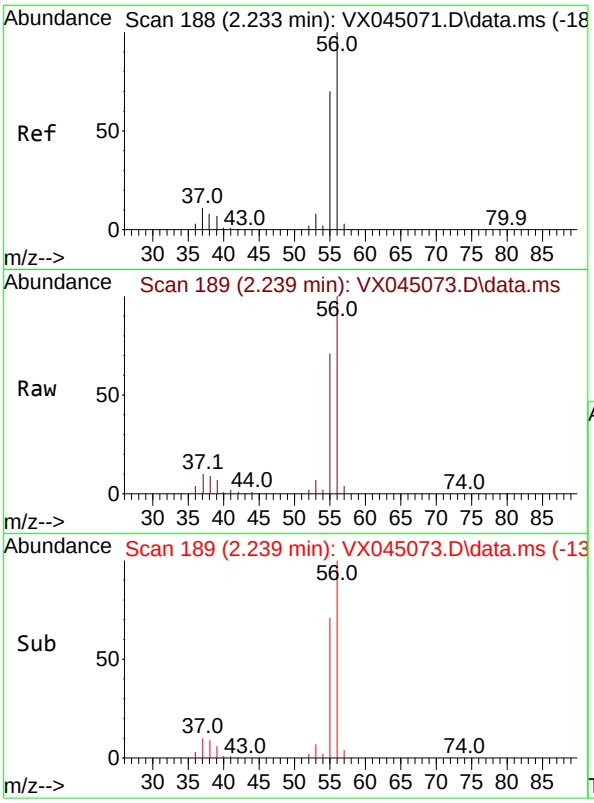


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6

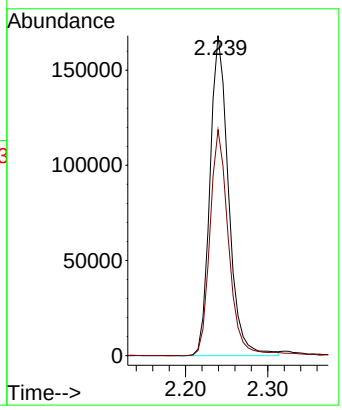




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

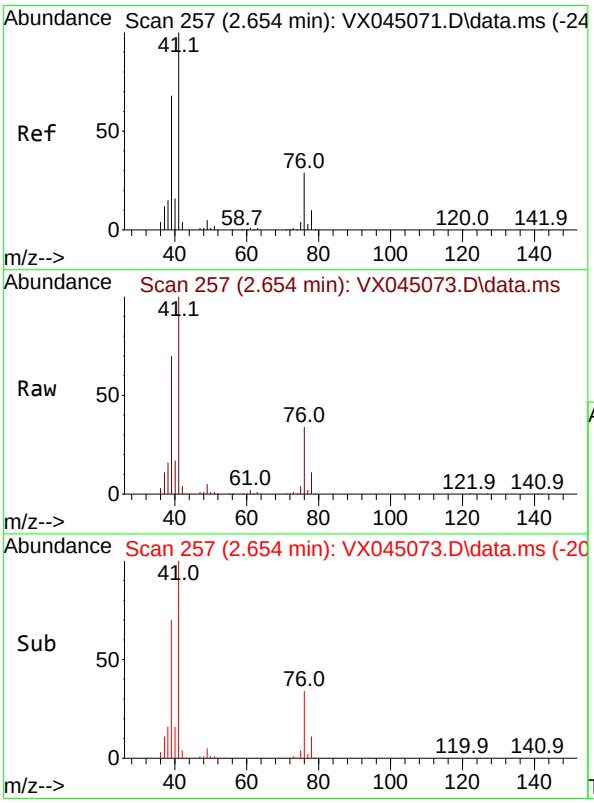
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

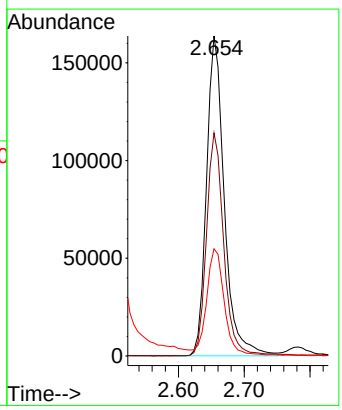
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

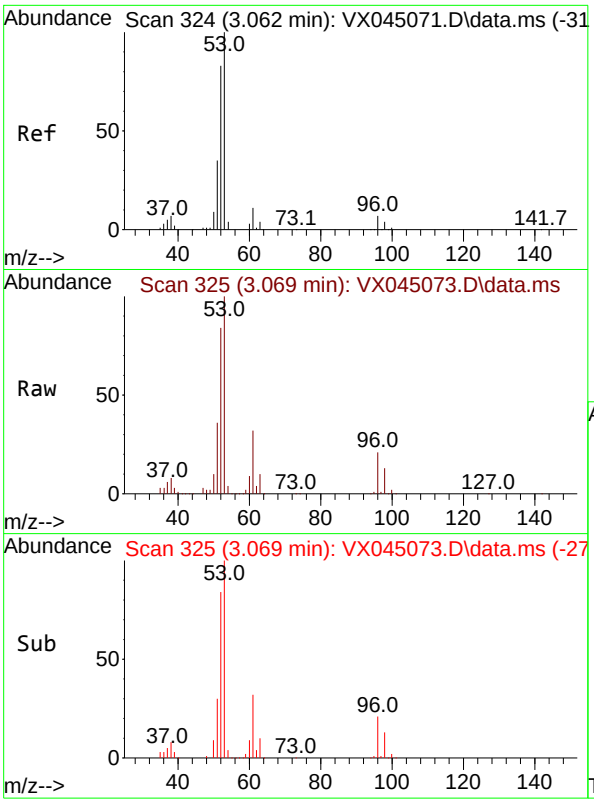


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8

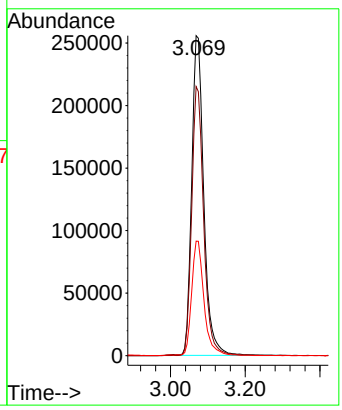




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

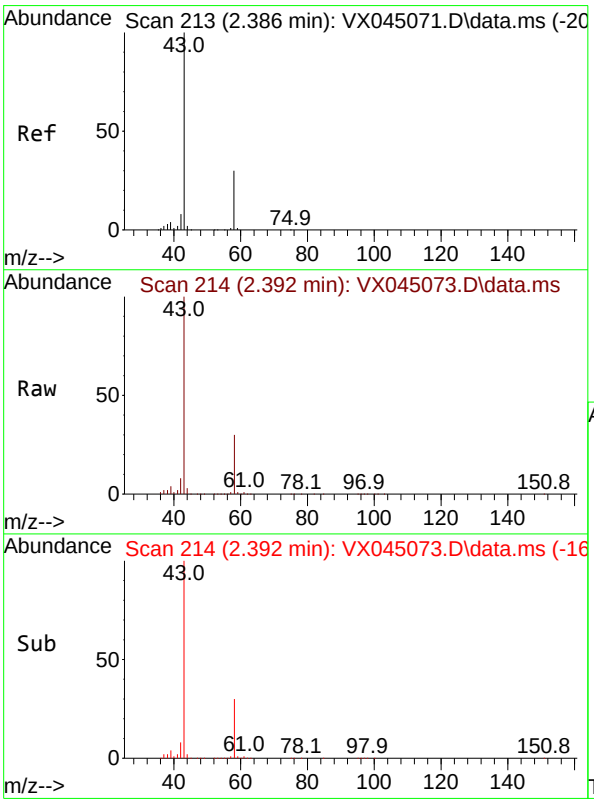
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

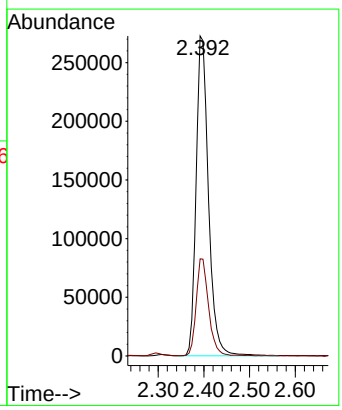
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

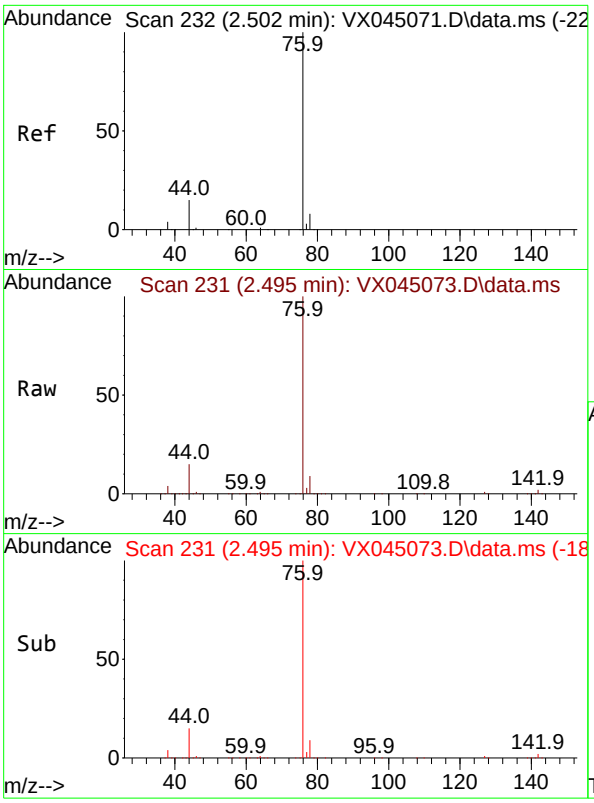


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

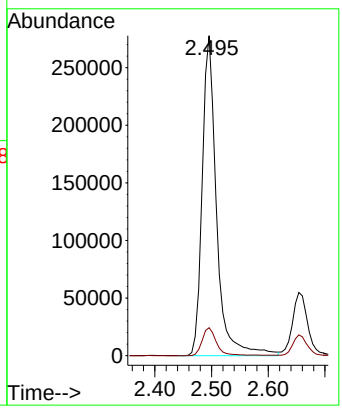




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

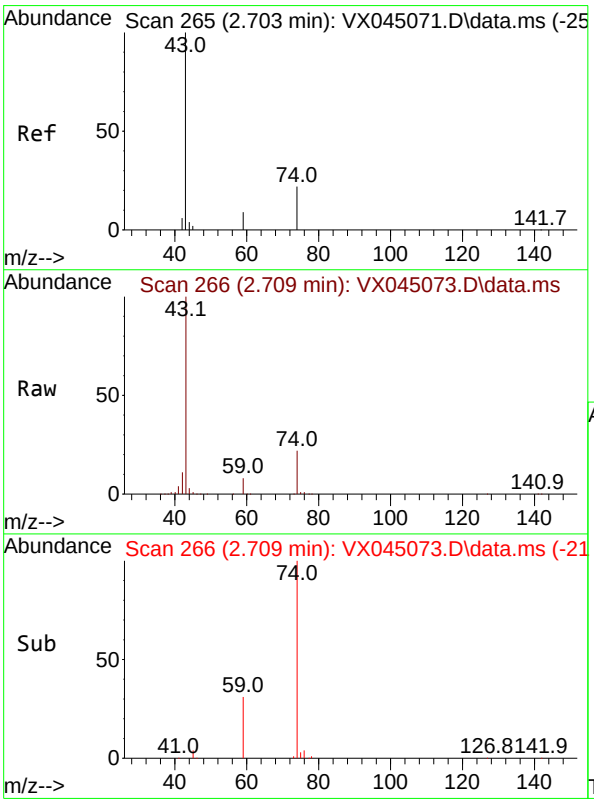
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

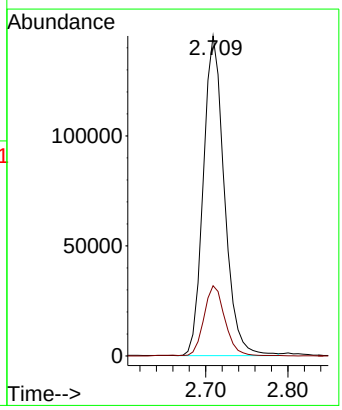
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

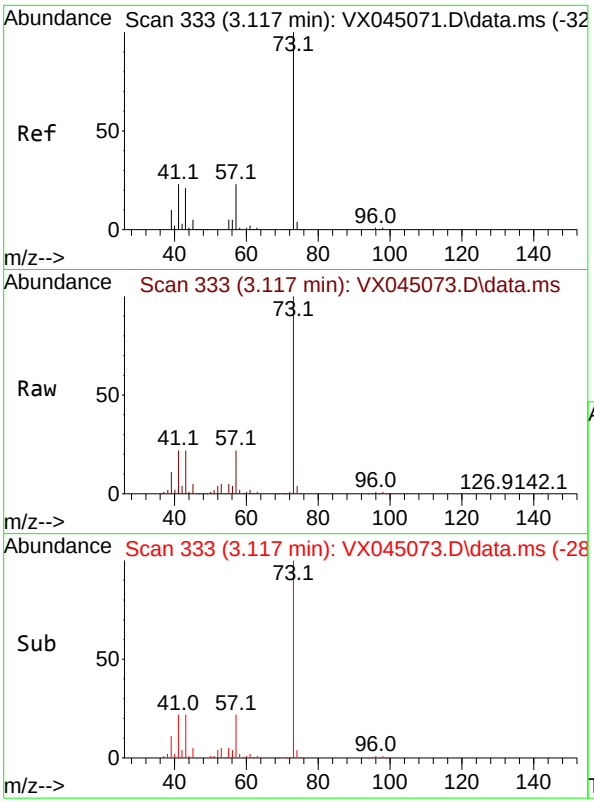


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

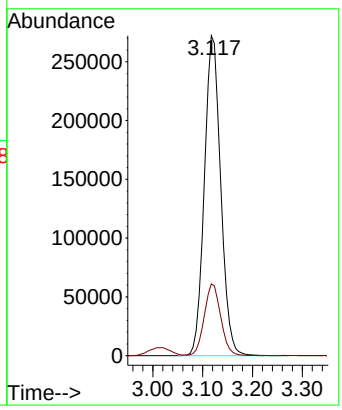




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

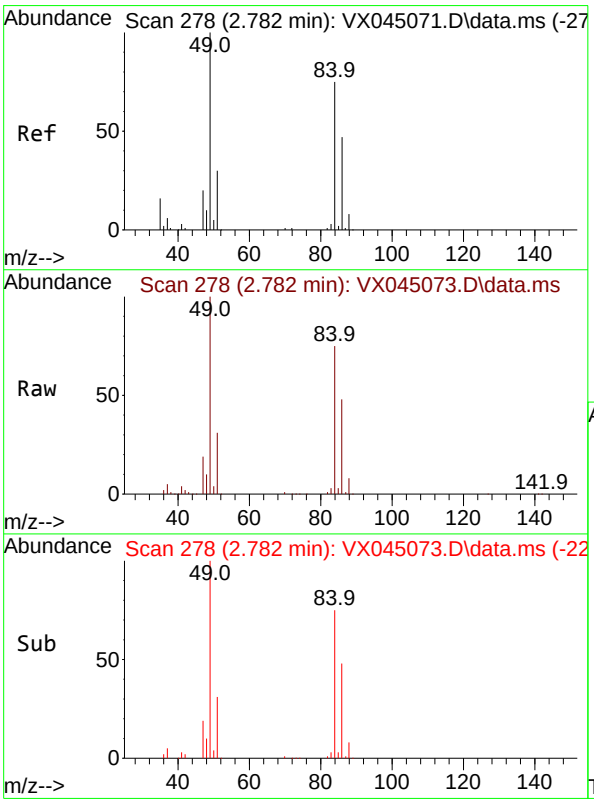
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

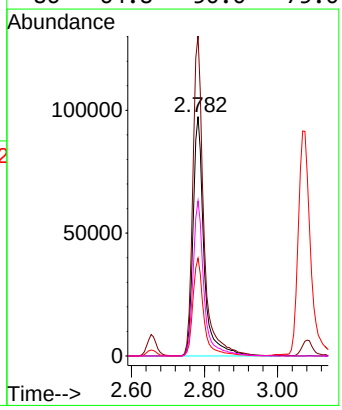
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

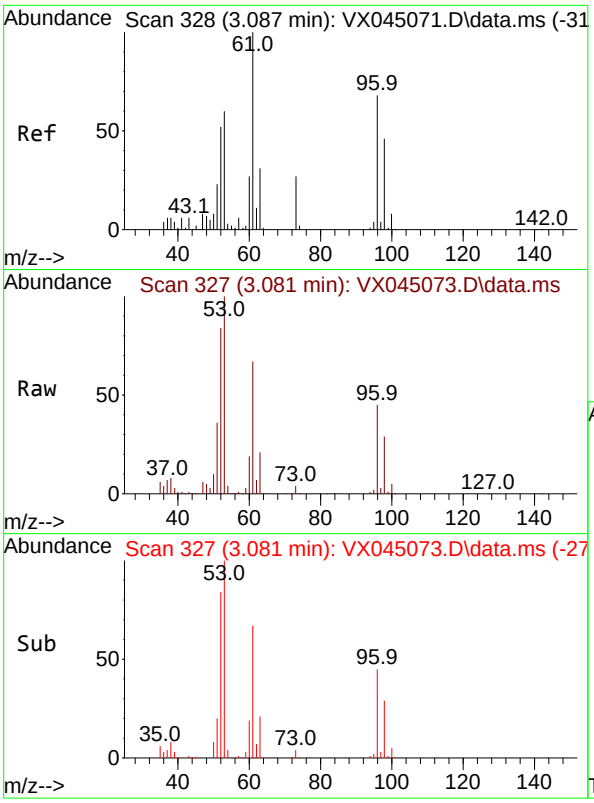


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0

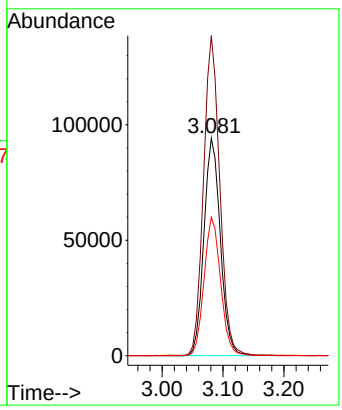




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

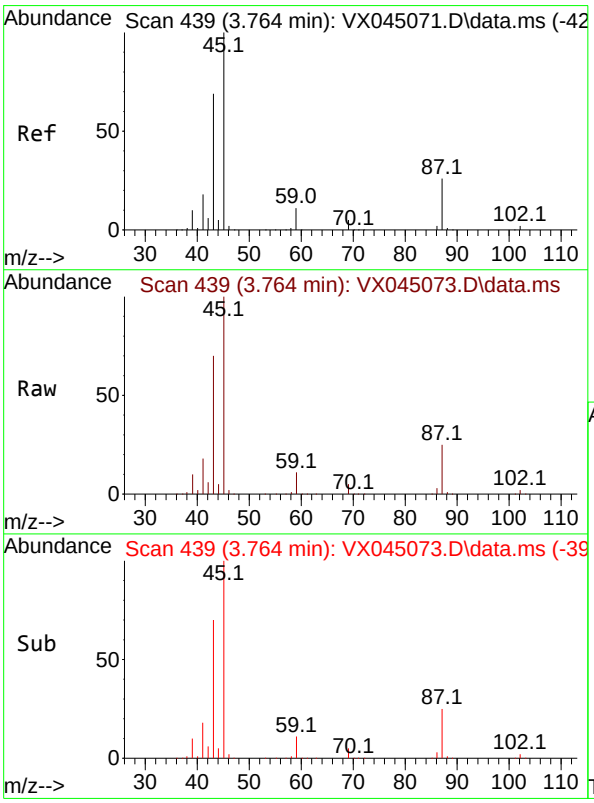
Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

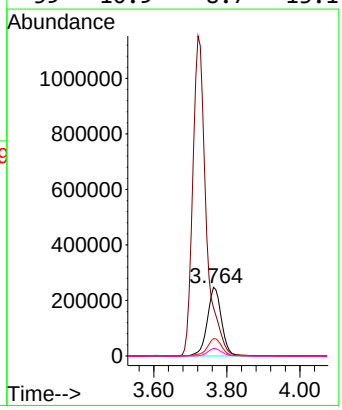
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

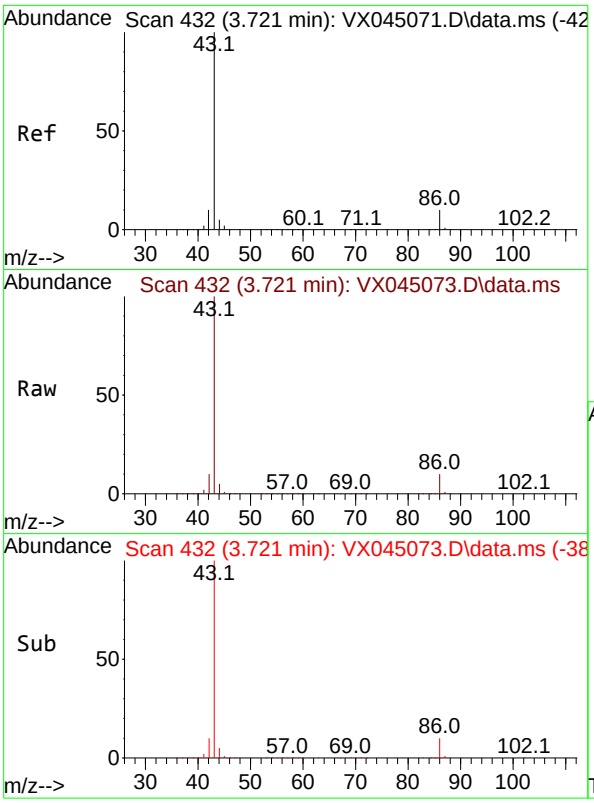


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

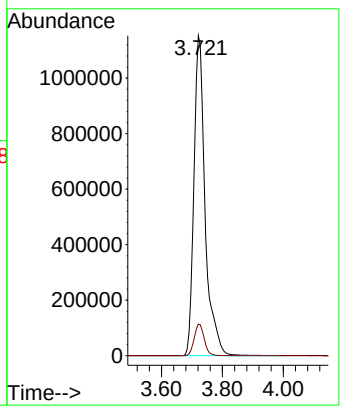
Tgt Ion: 43 Resp: 294315

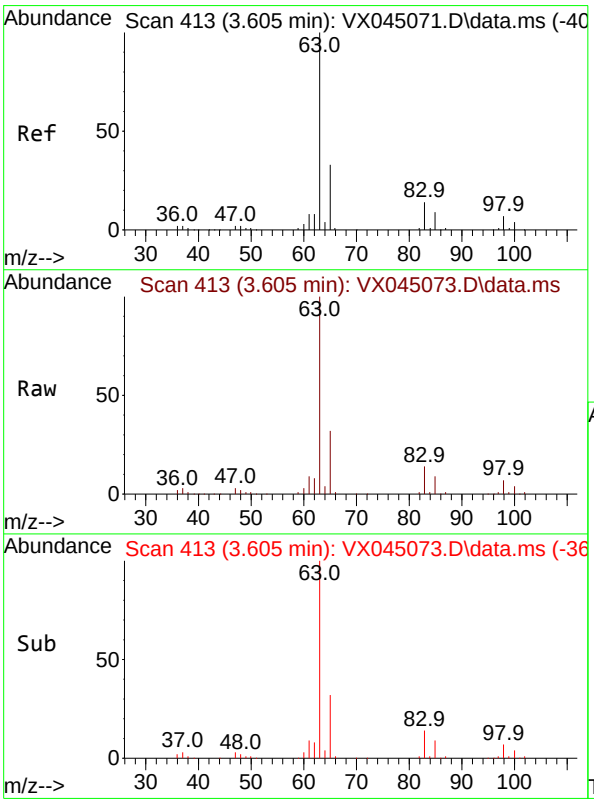
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

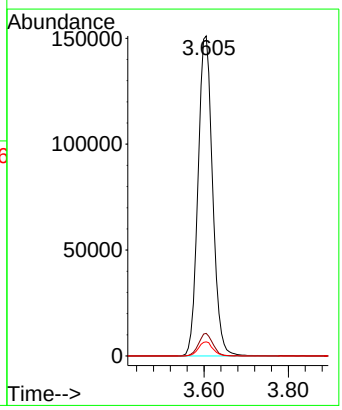


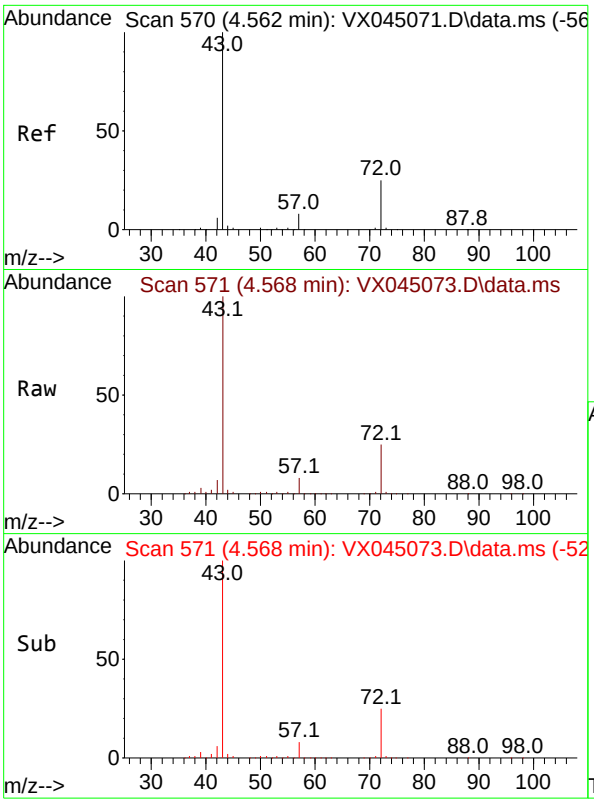


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5

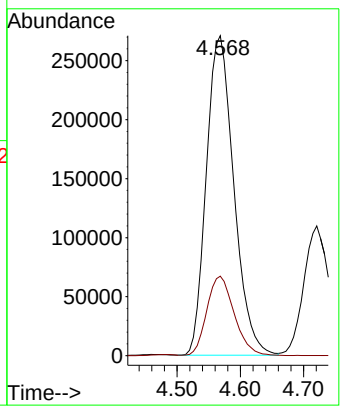




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

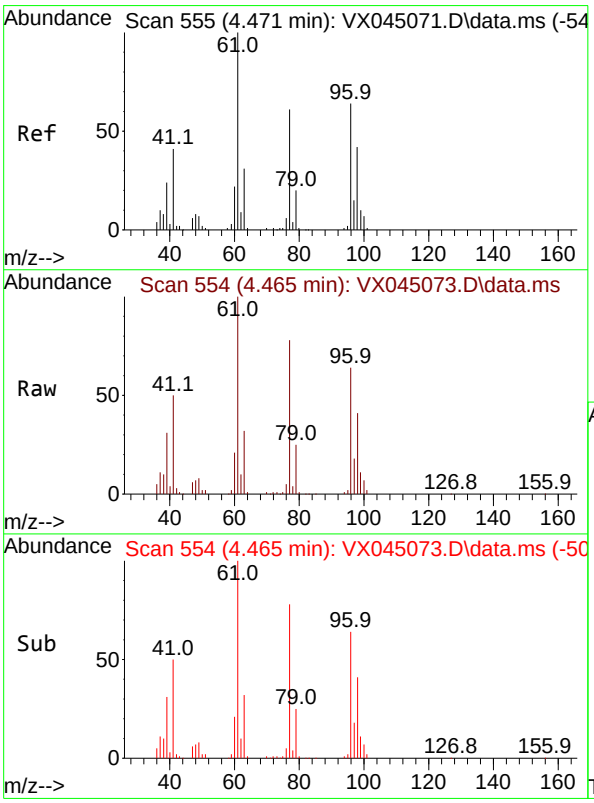
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

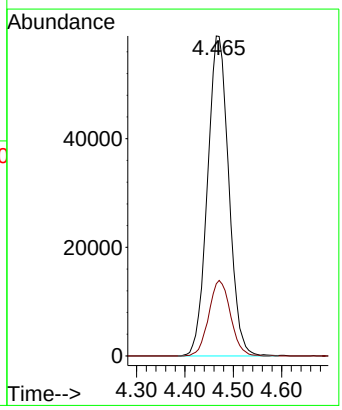
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

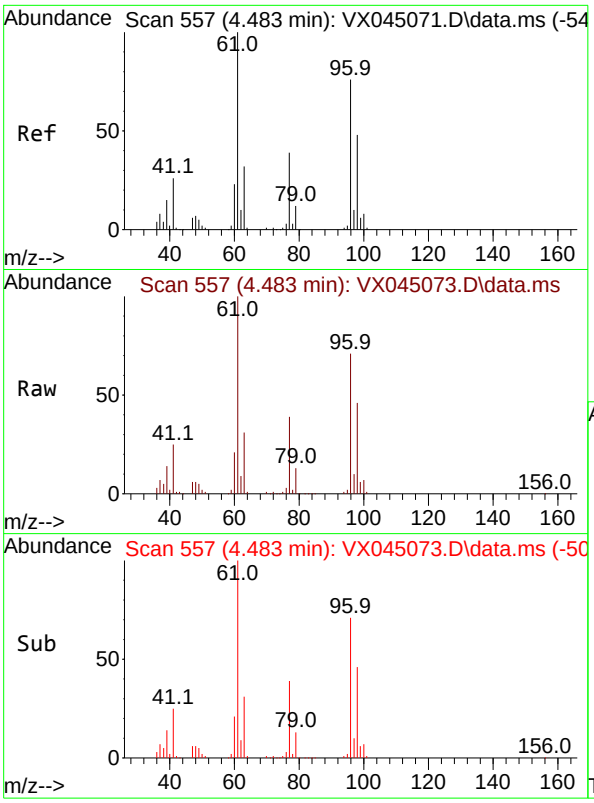


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

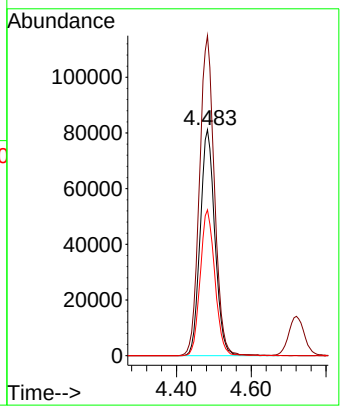




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

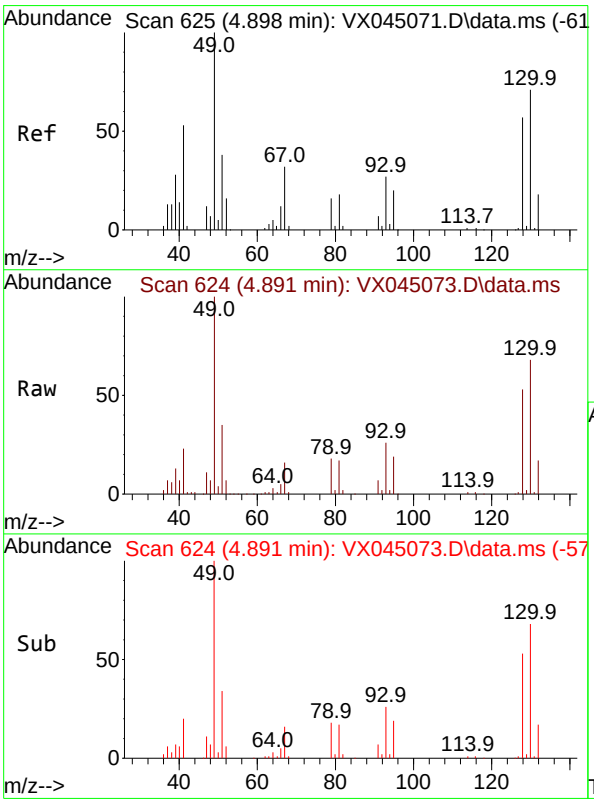
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

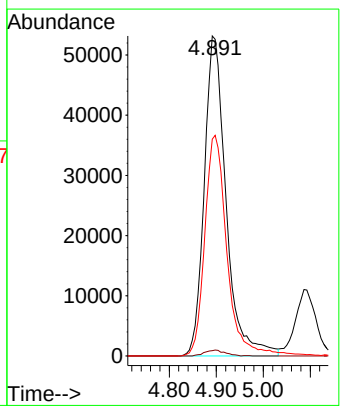
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

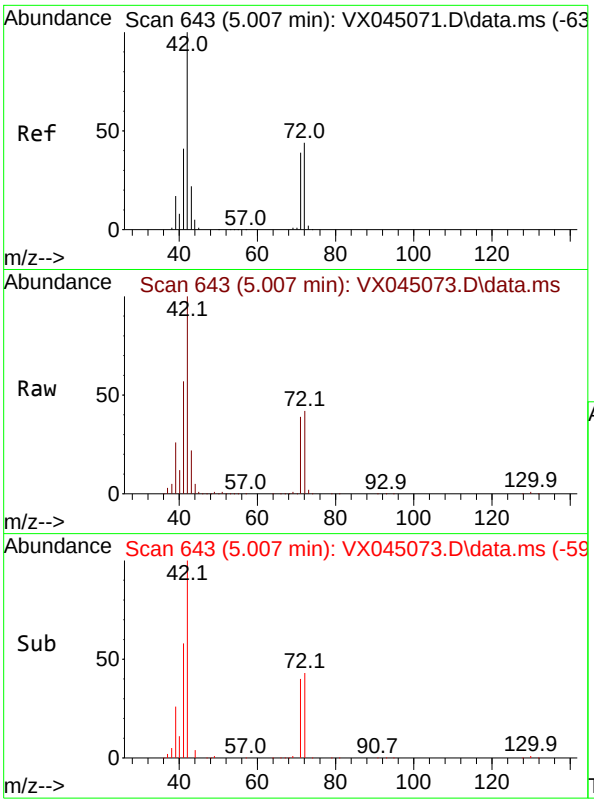


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

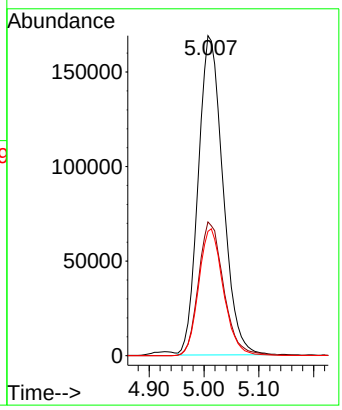
Tgt Ion: 42 Resp: 52857

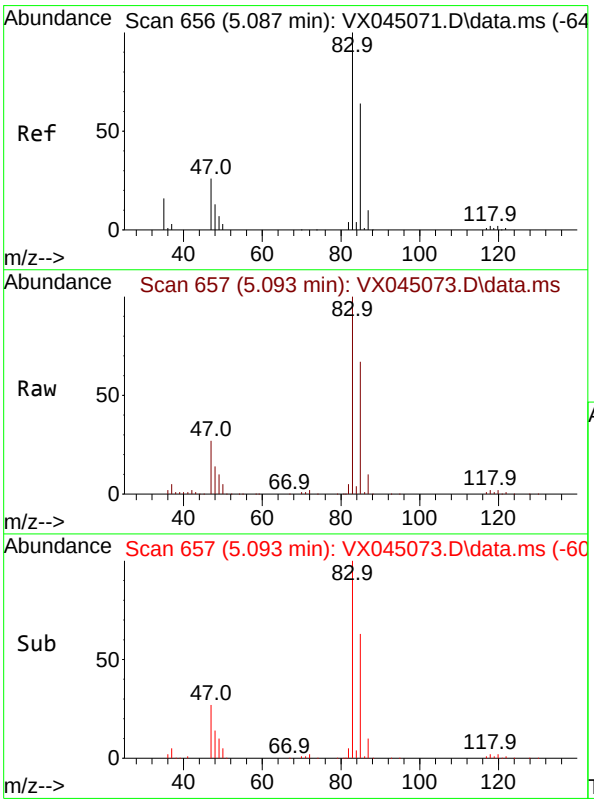
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

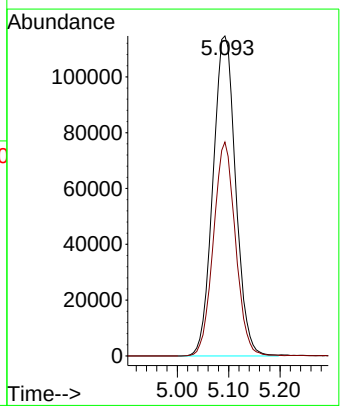


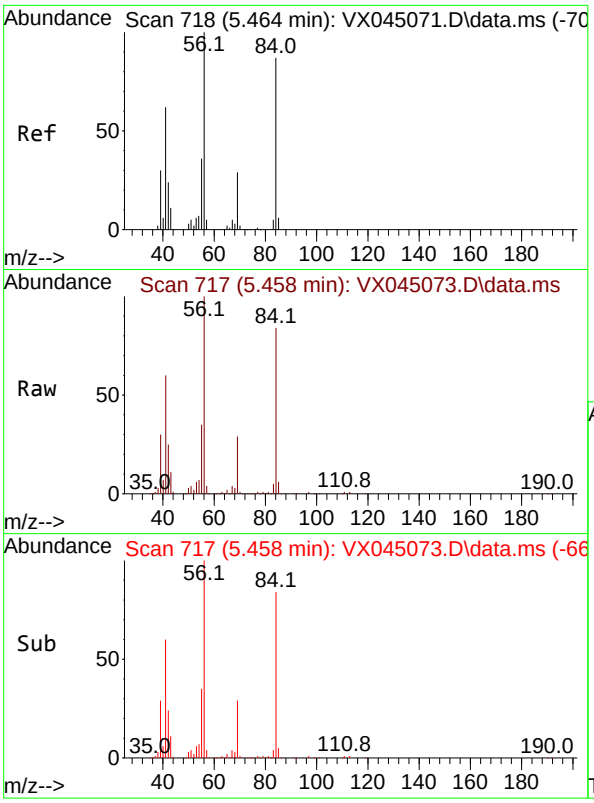


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

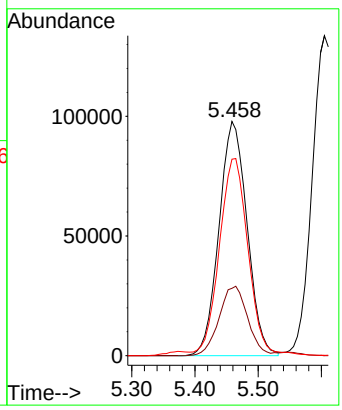




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

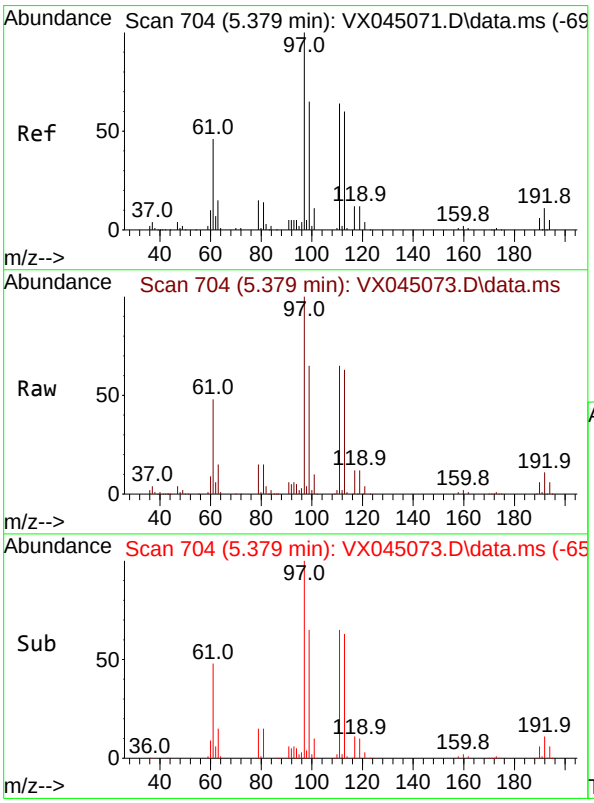
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

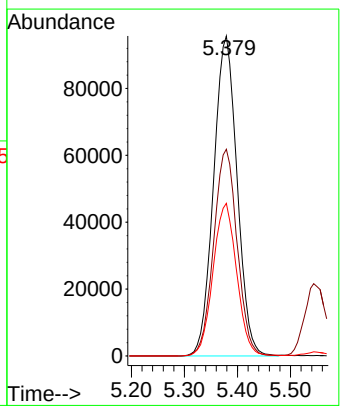
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

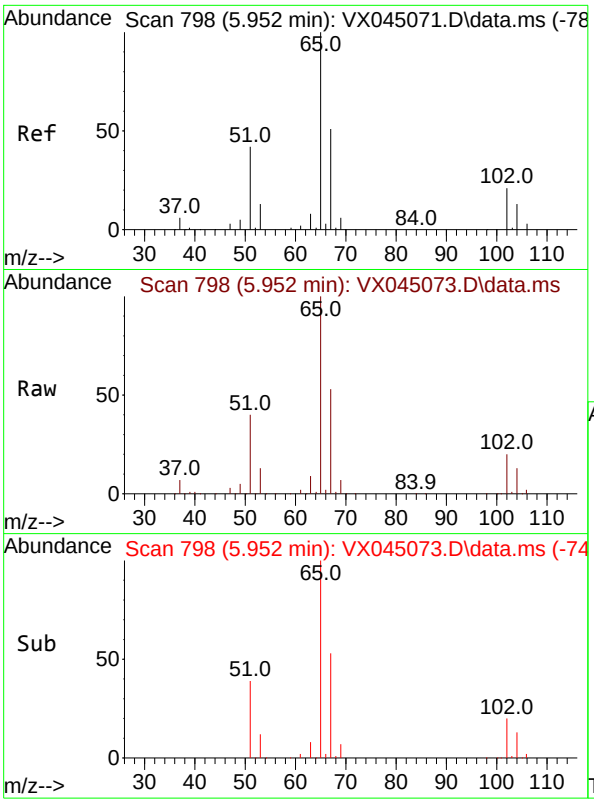


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6

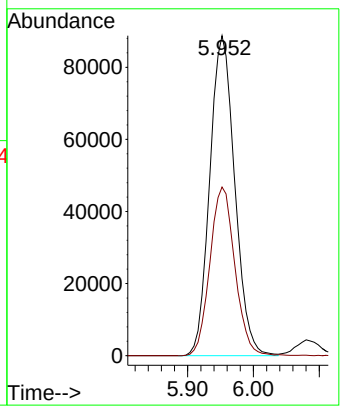




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

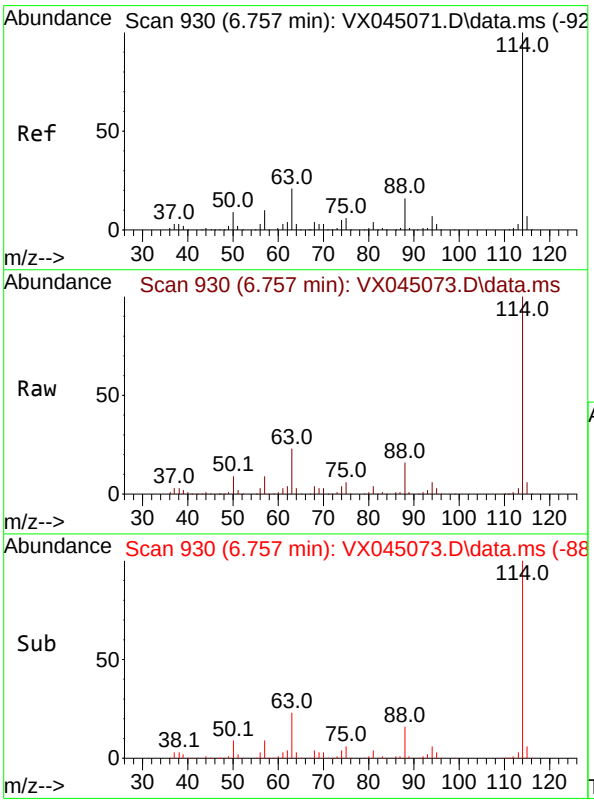
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

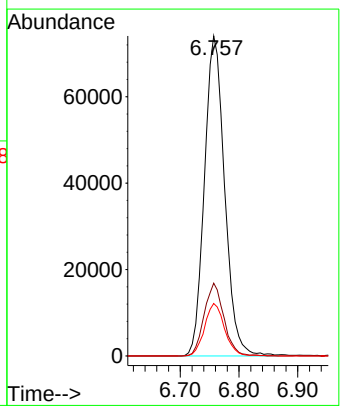
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

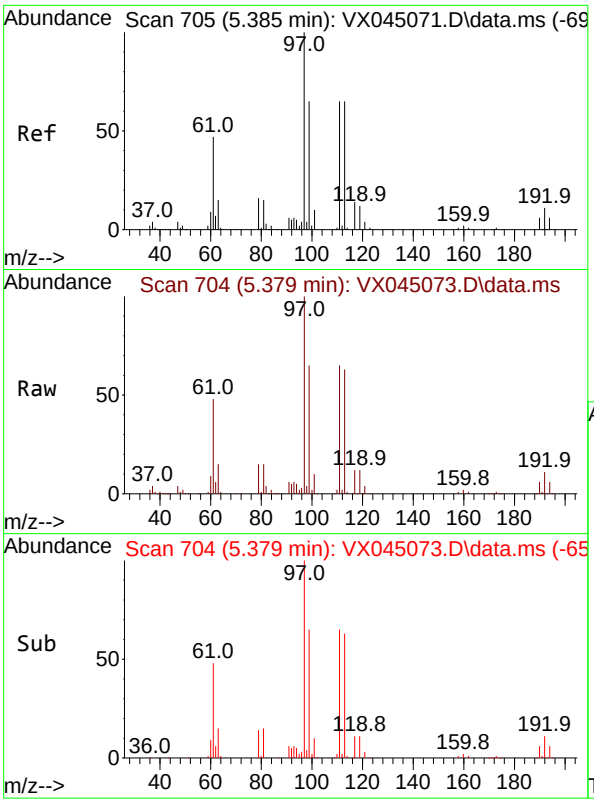


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8

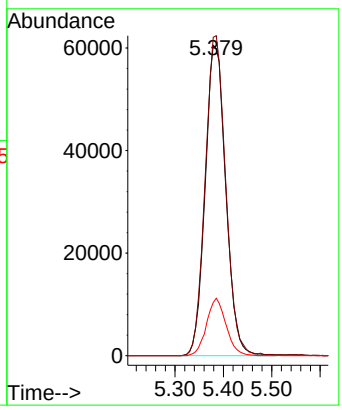




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

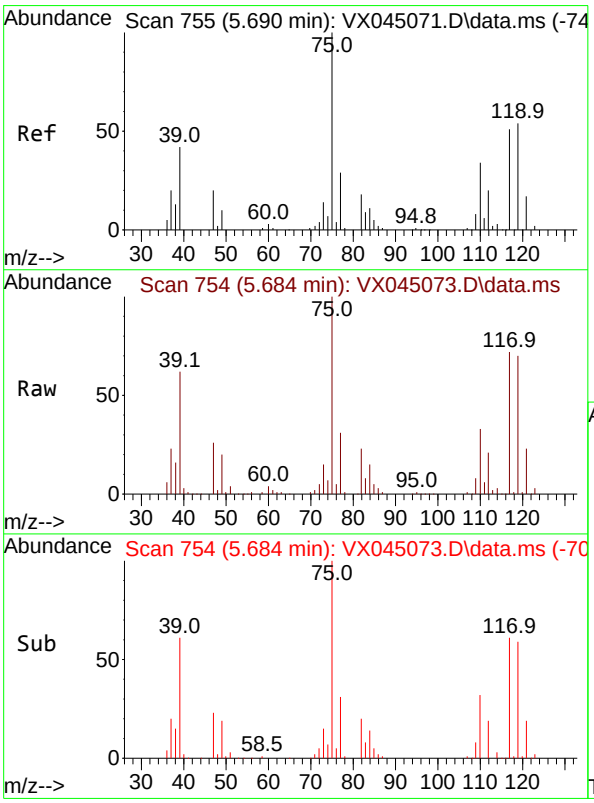
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

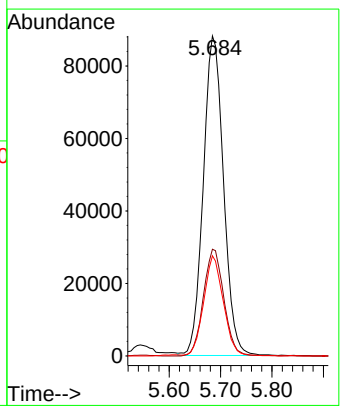
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

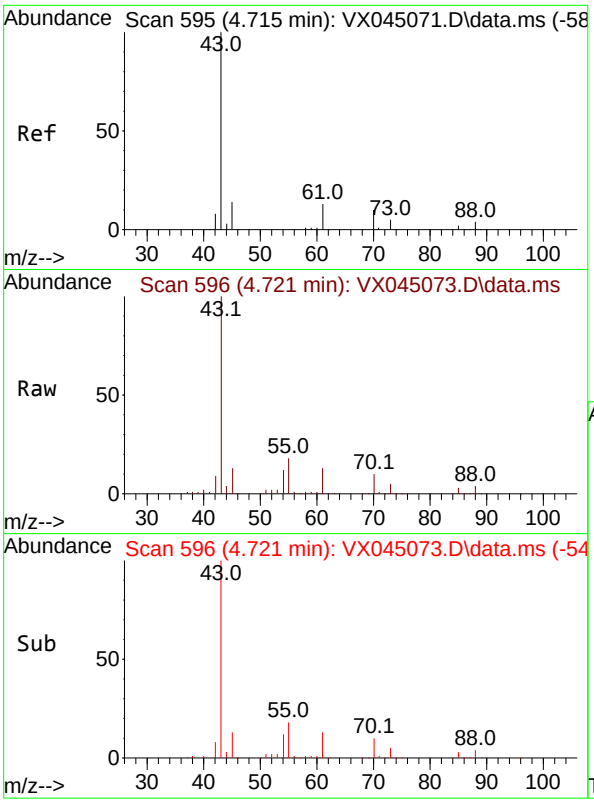


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

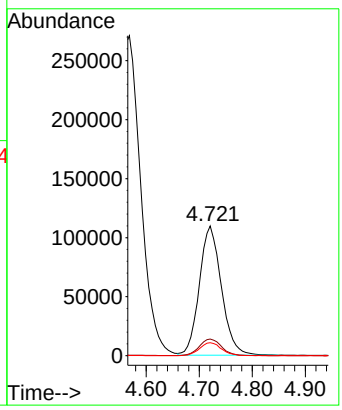




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

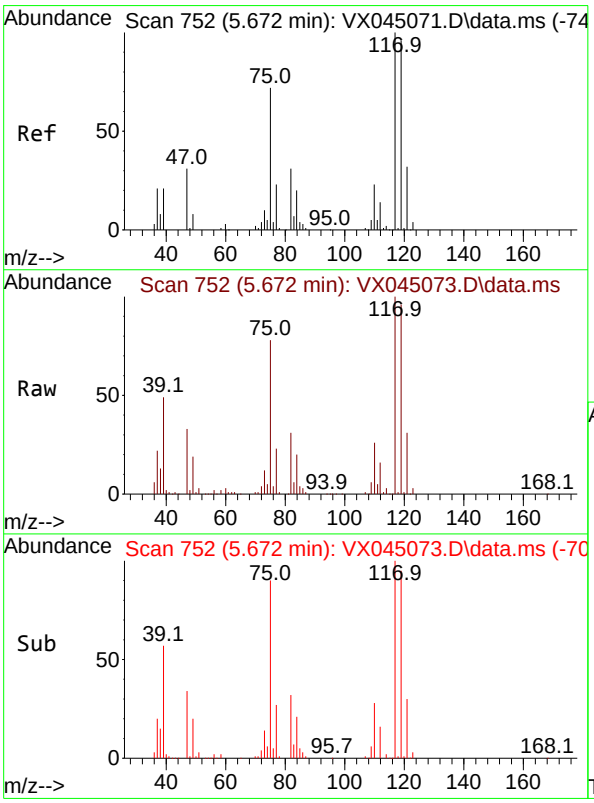
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

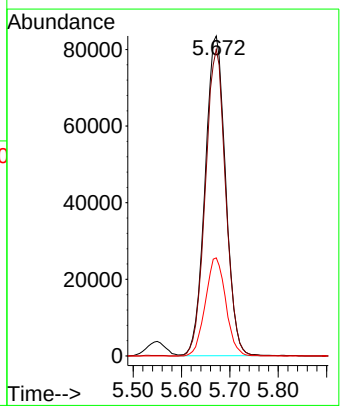
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

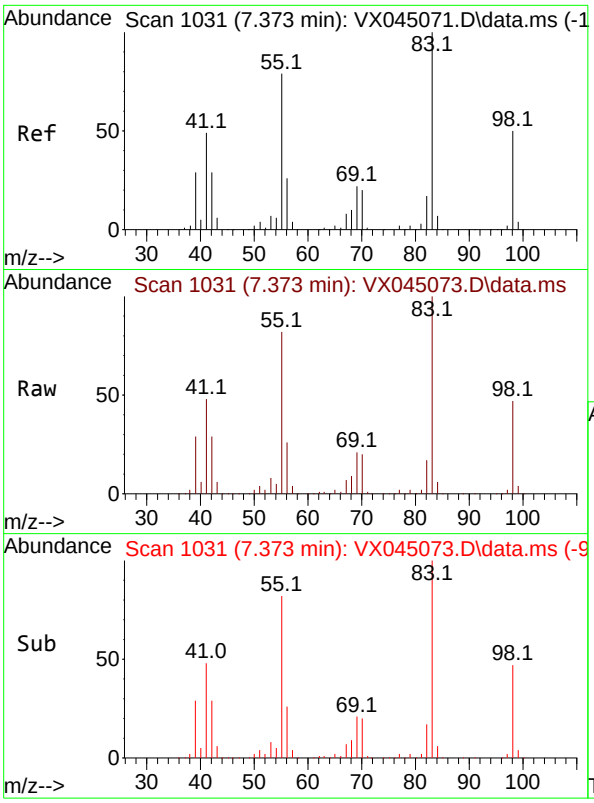


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3

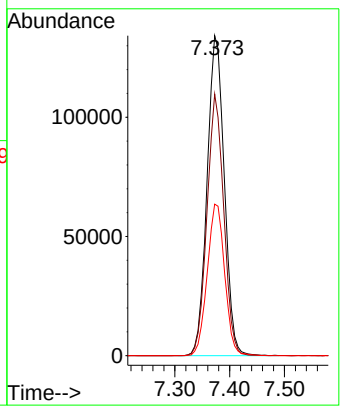




#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221

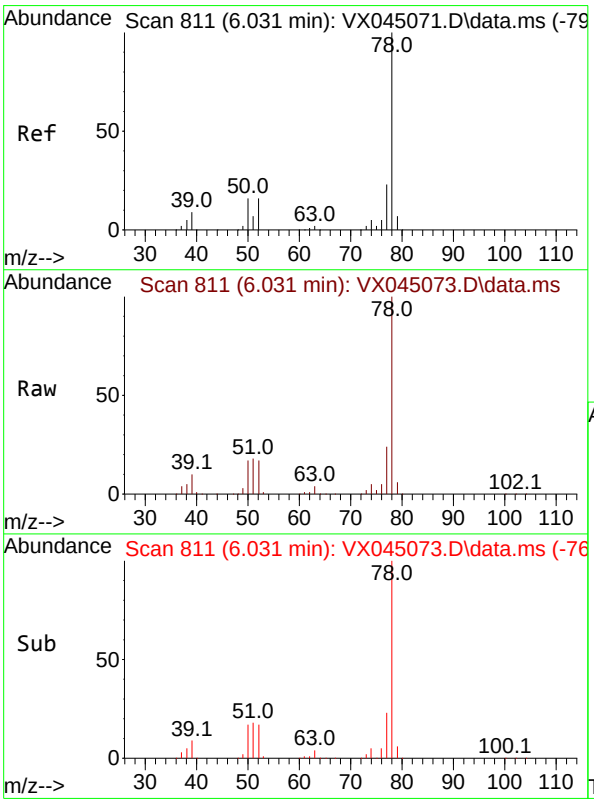
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

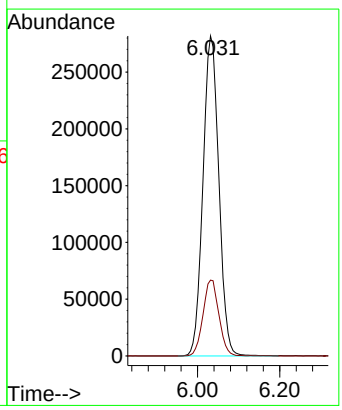
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

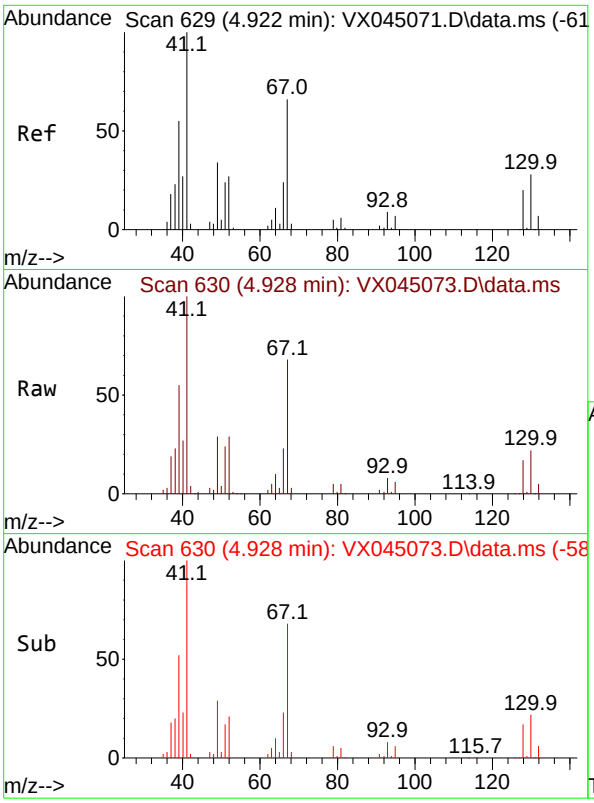


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

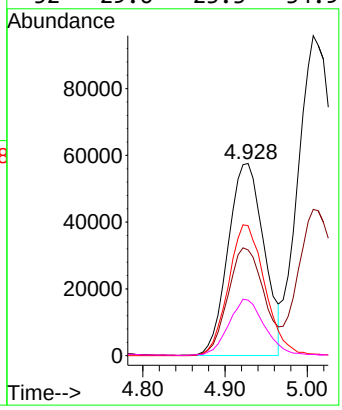




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

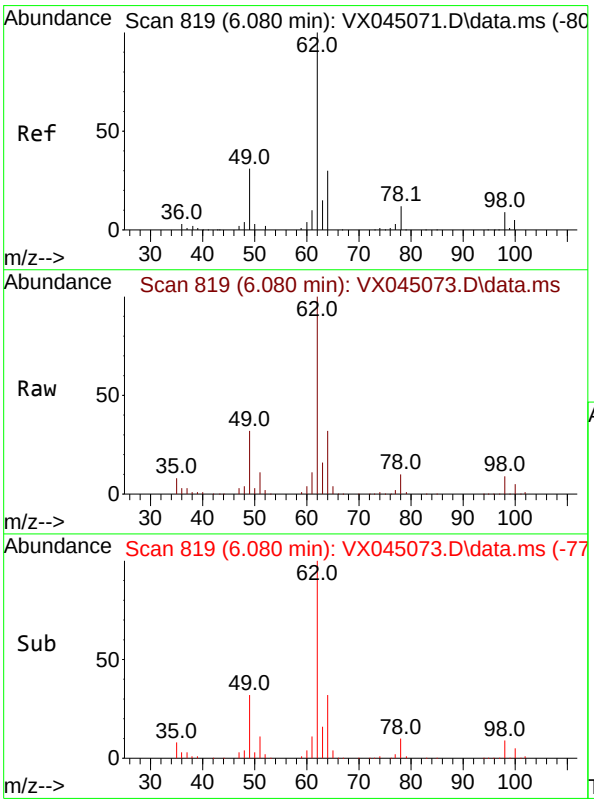
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

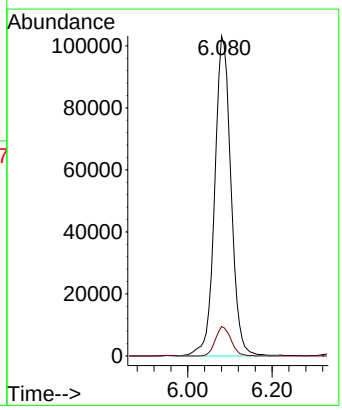
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

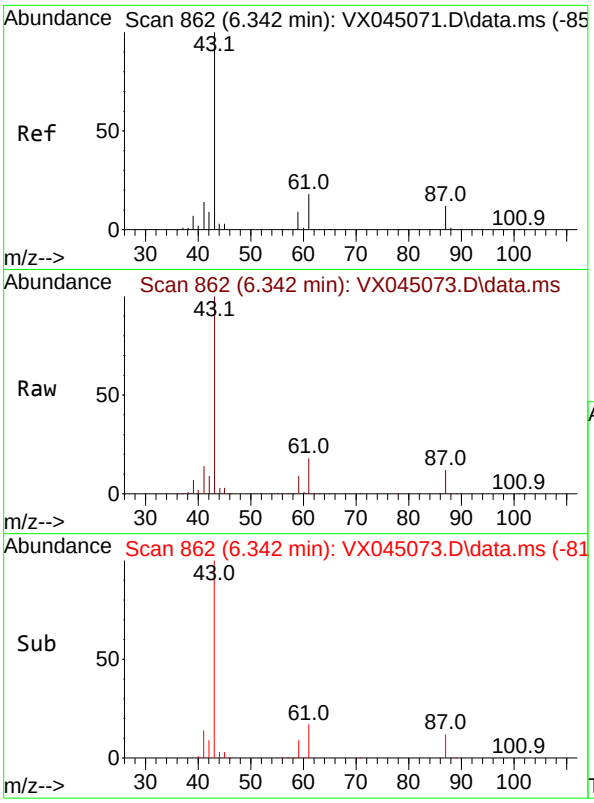


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

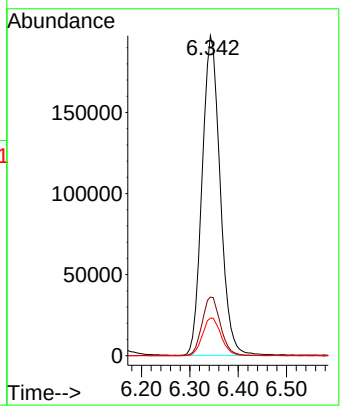
Tgt Ion: 43 Resp: 51164

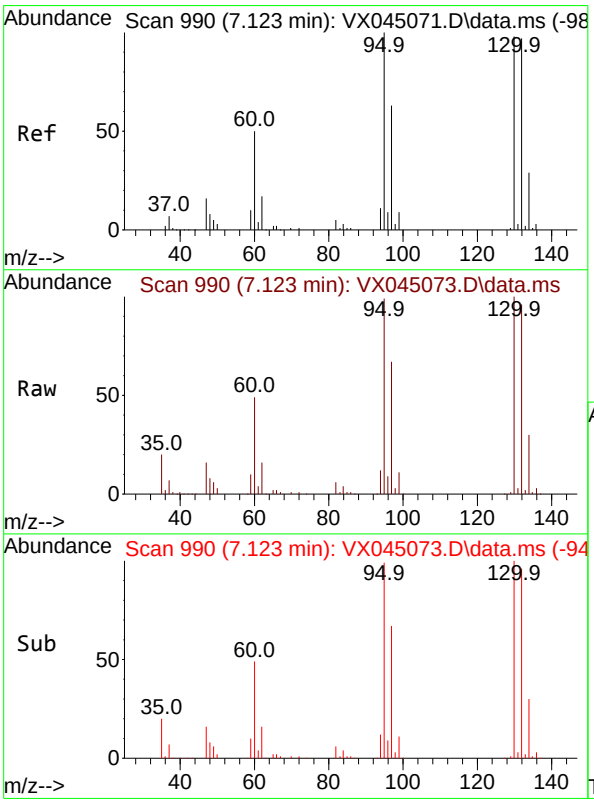
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

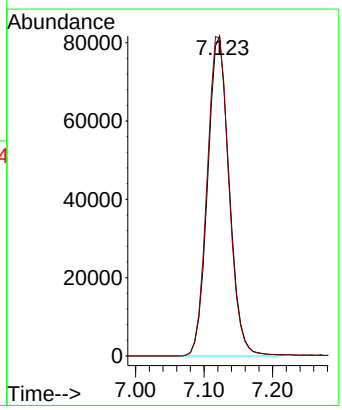


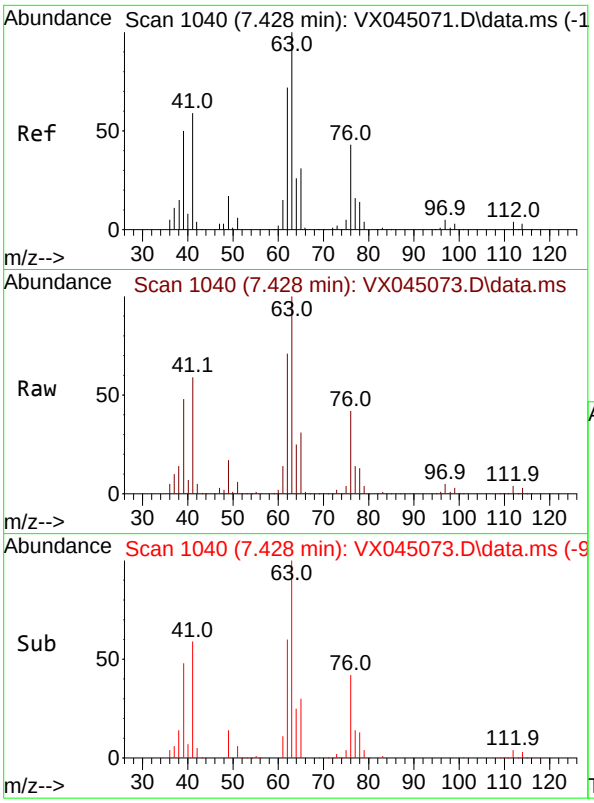


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

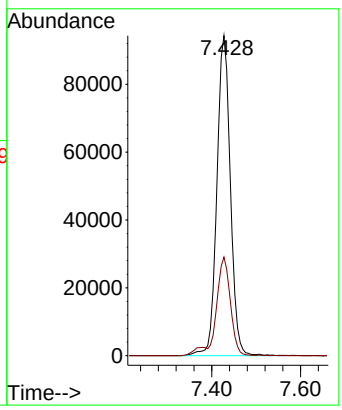




#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

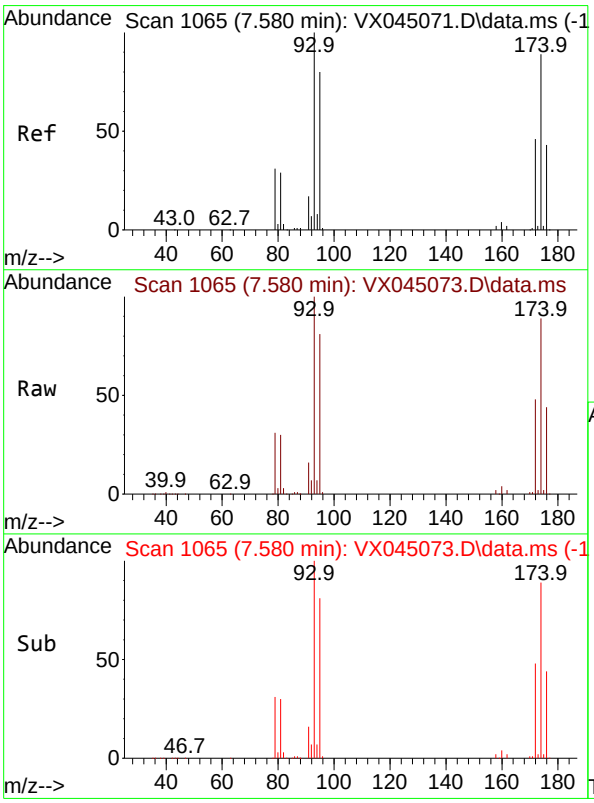
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

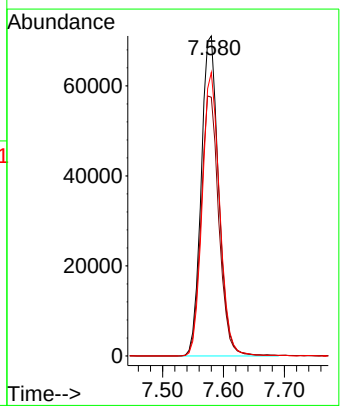
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

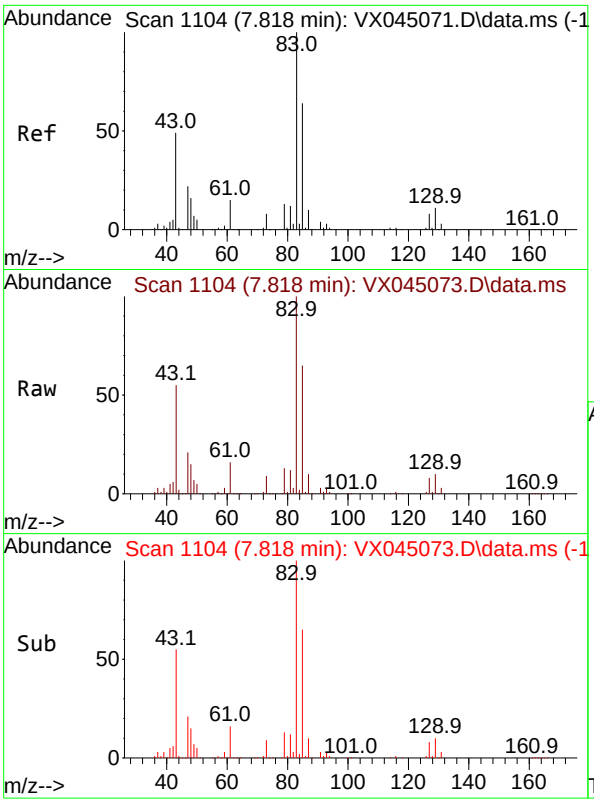


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2

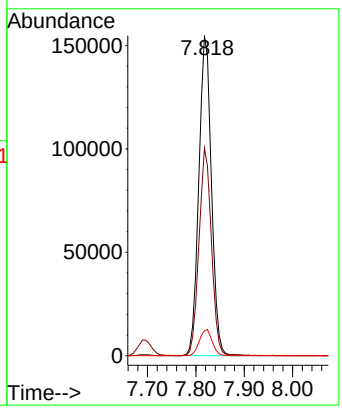




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

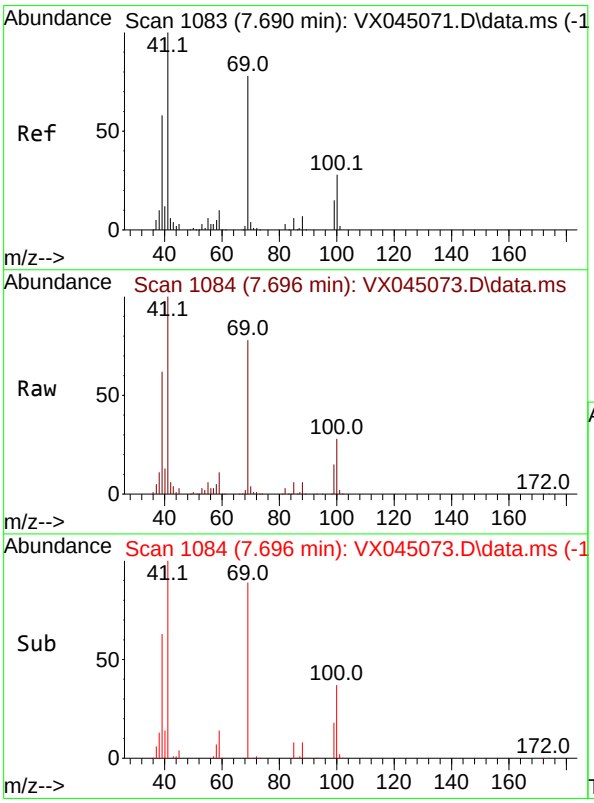
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

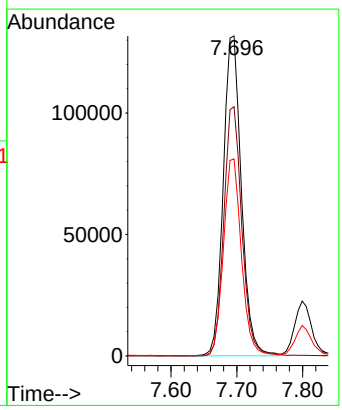
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

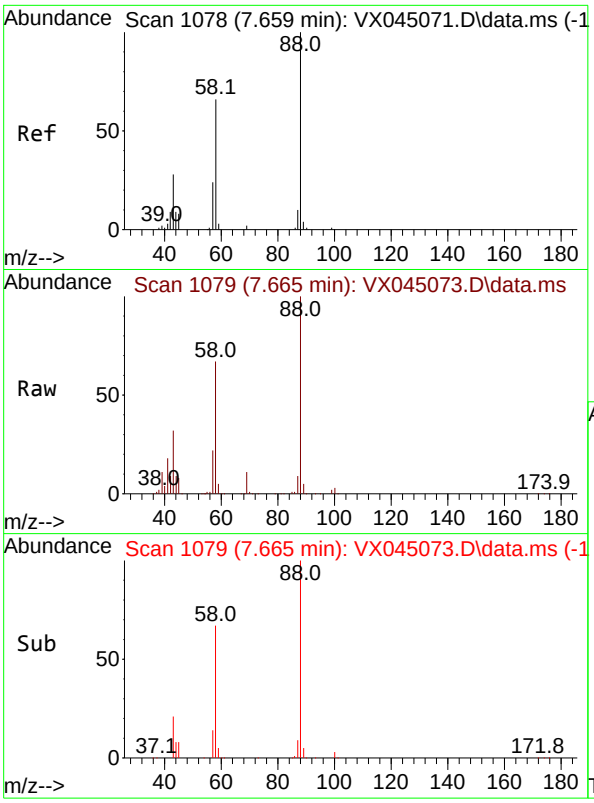


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3

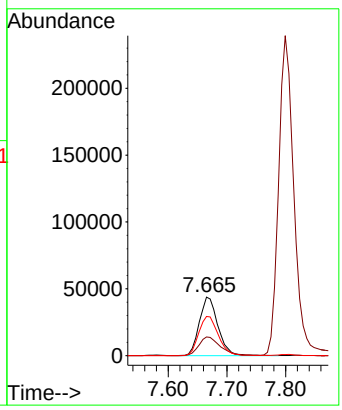




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

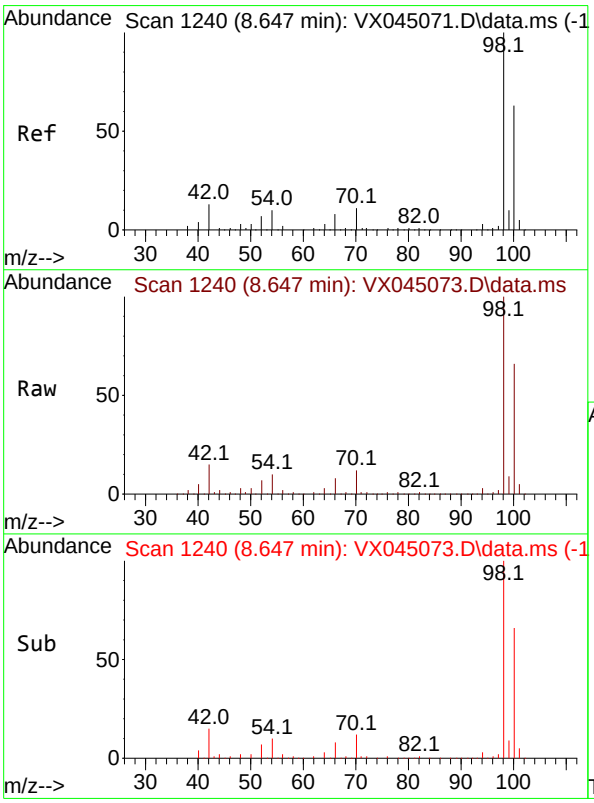
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

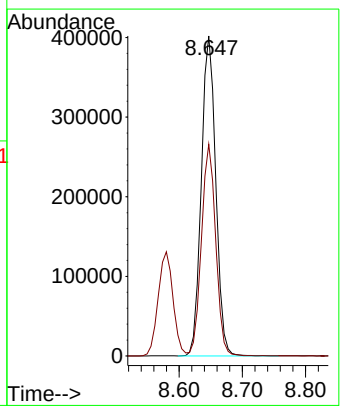
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

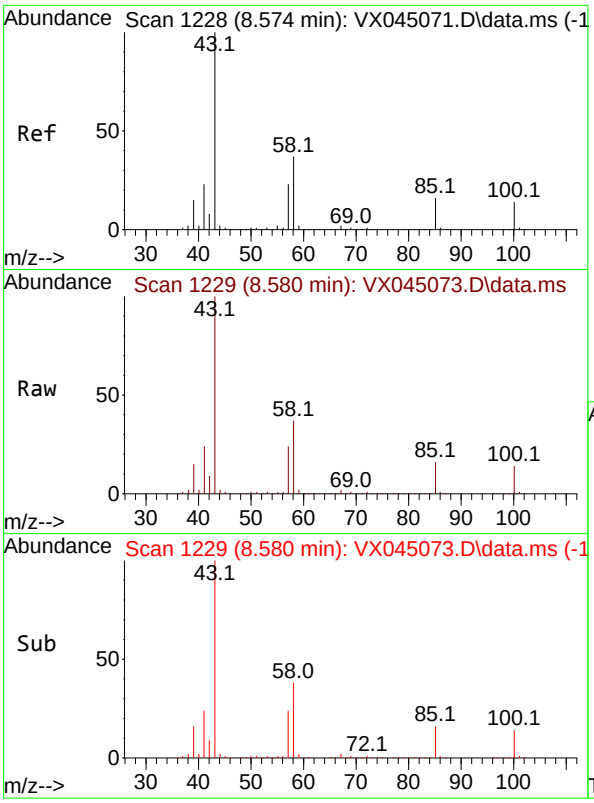


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

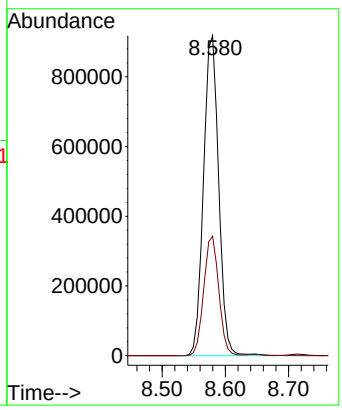




#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 153615

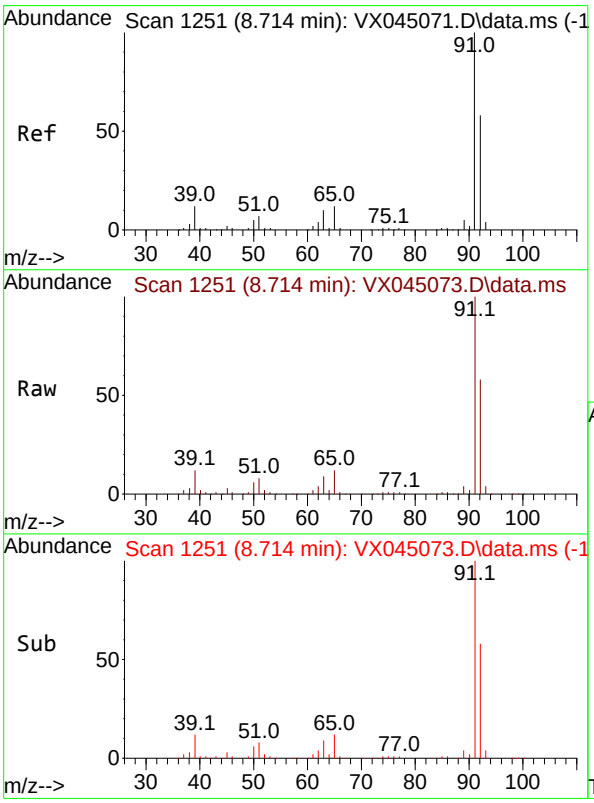
Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

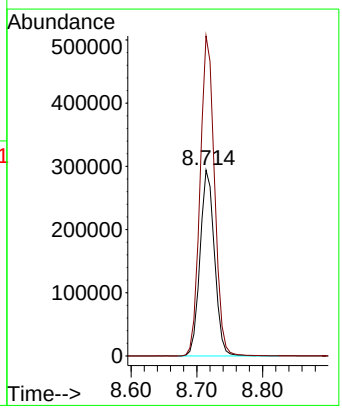
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

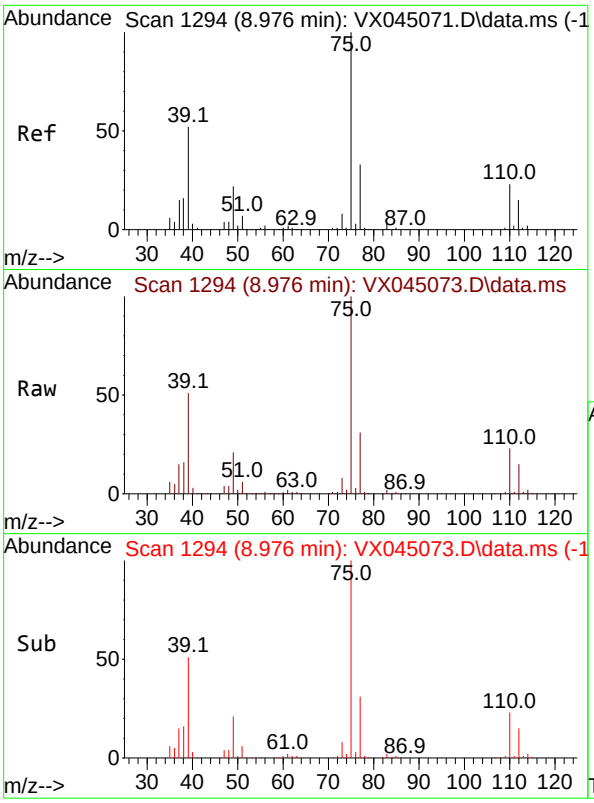


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

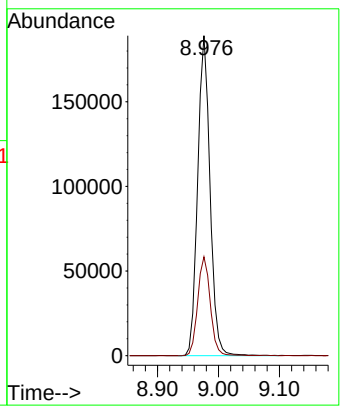




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

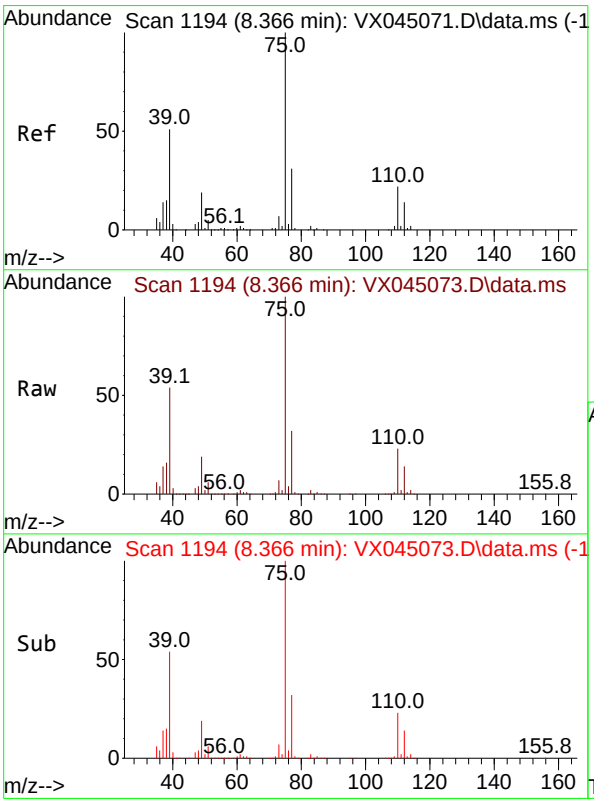
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

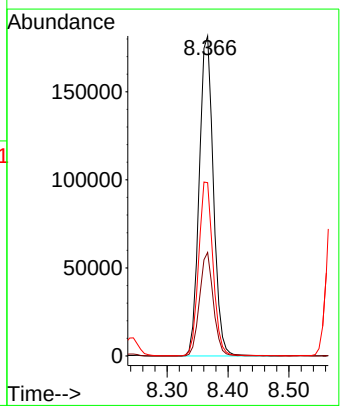
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

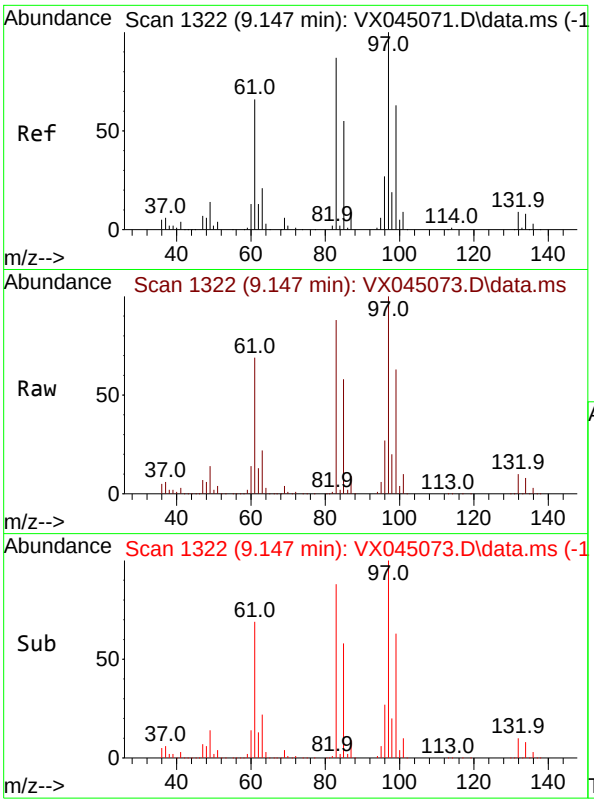


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1

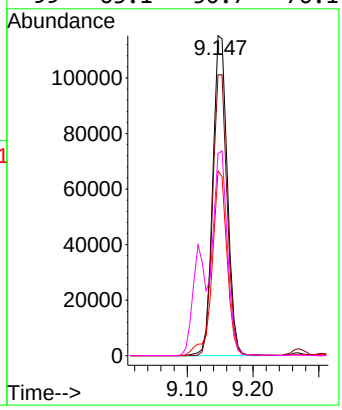




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

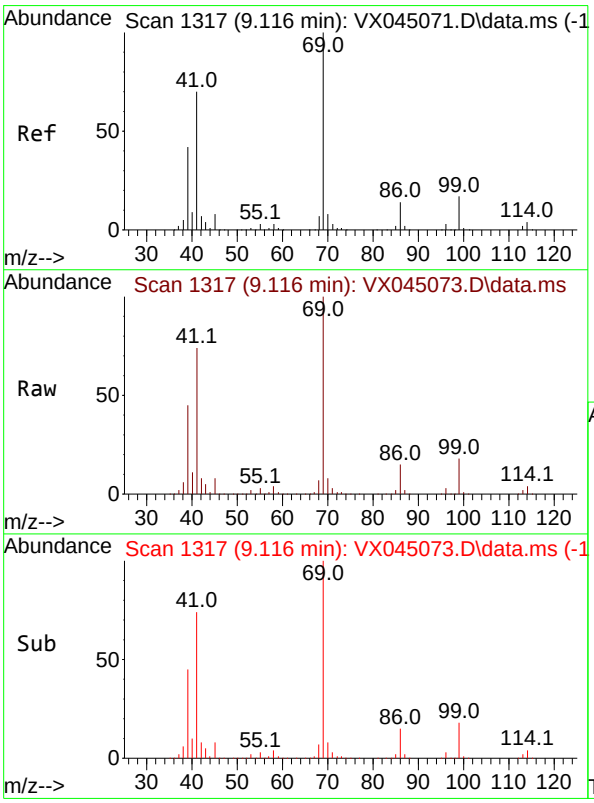
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

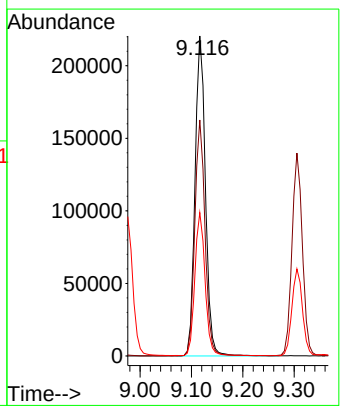
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

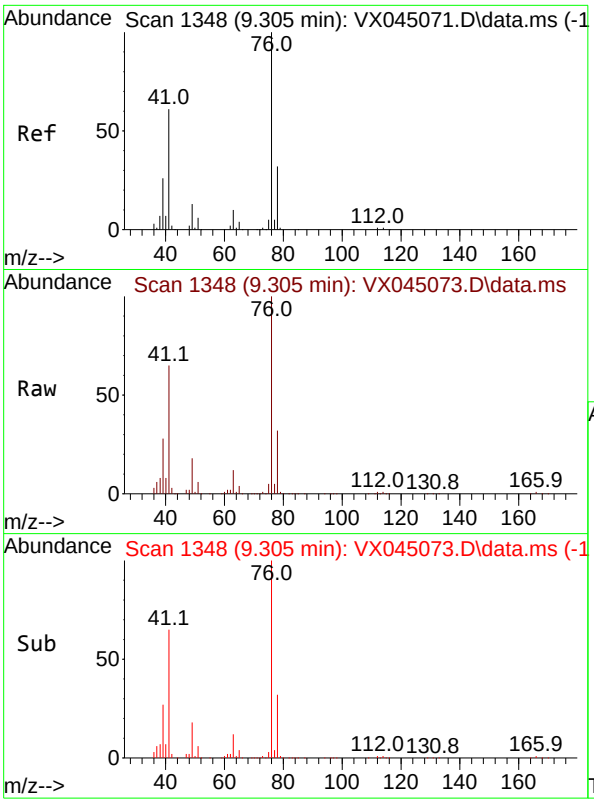


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4

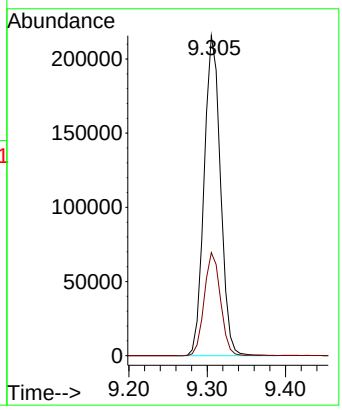




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

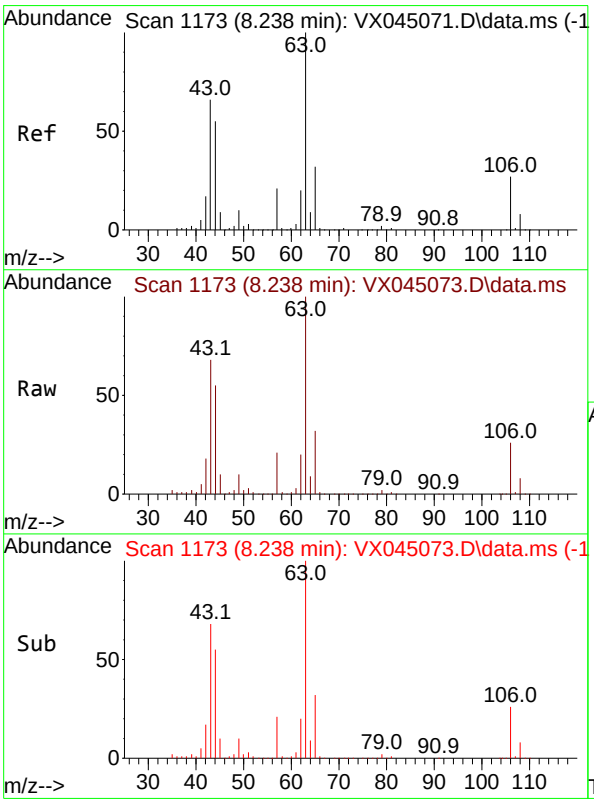
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

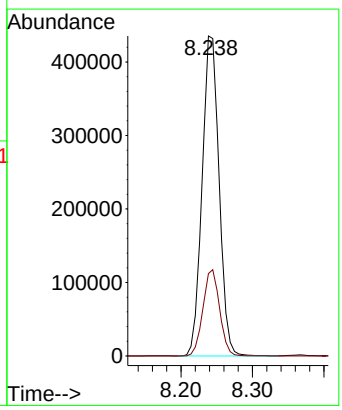
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

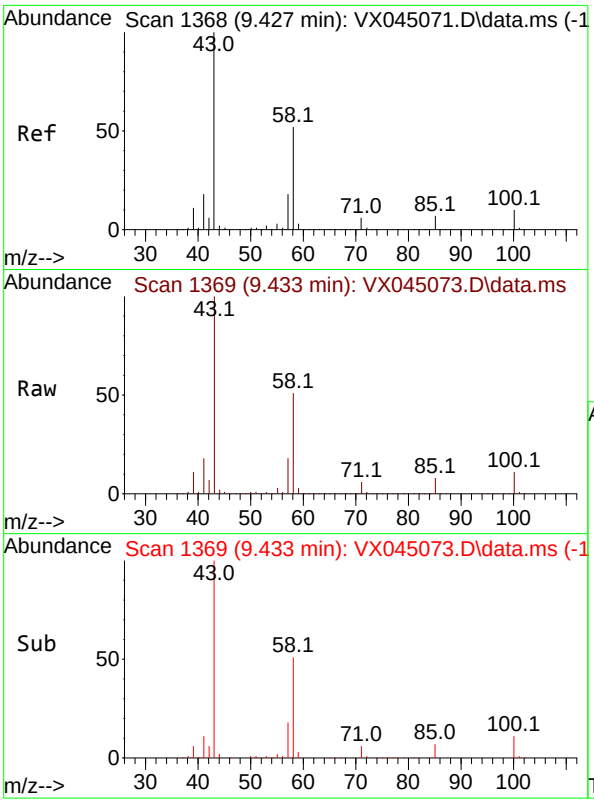


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

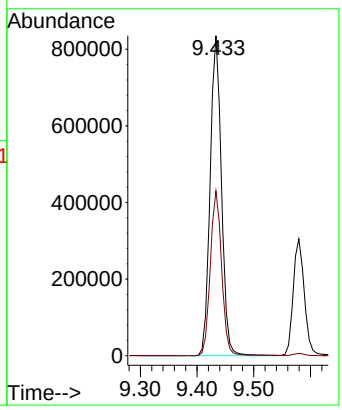
Tgt Ion: 43 Resp: 115665

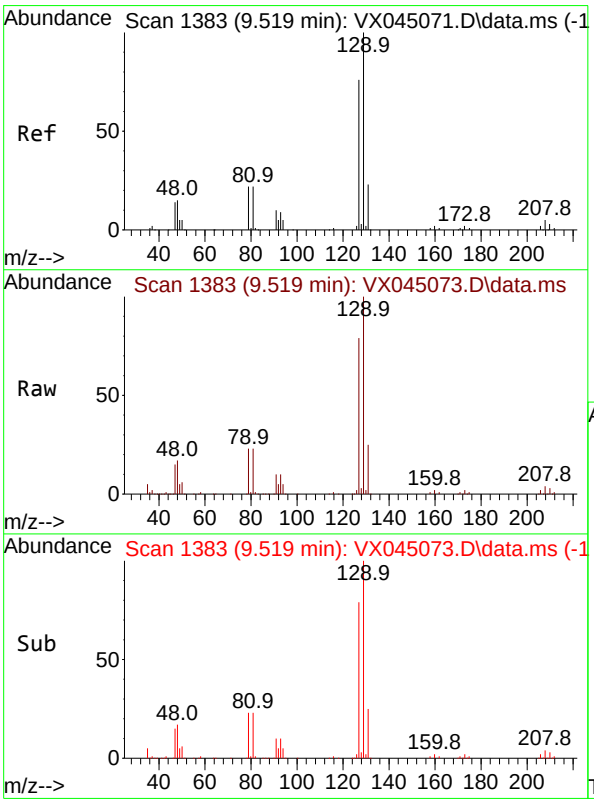
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

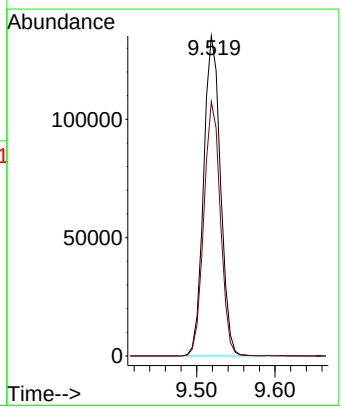


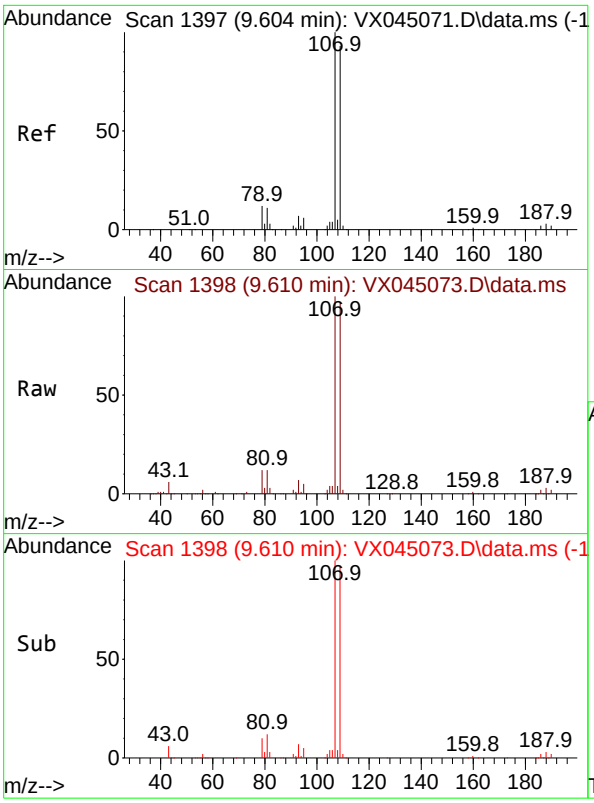


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

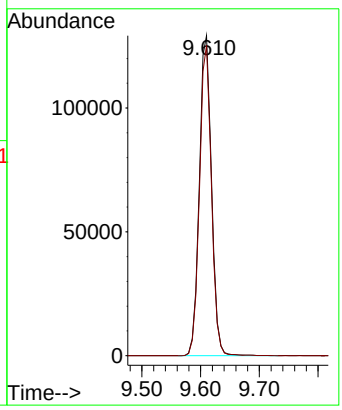




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

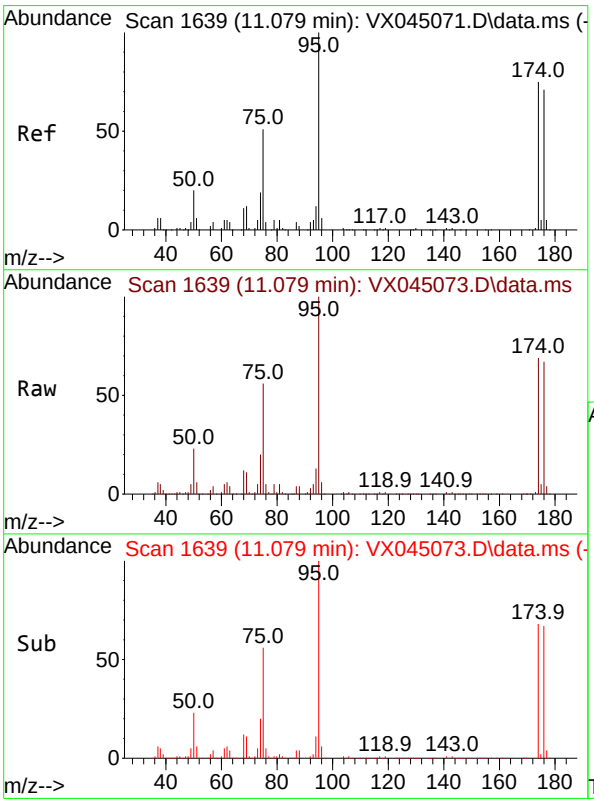
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

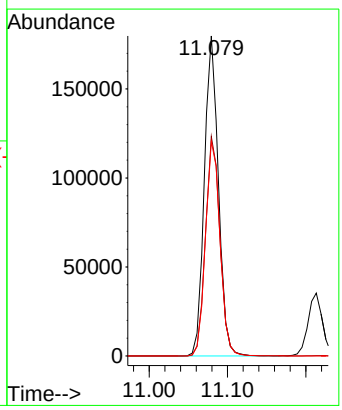
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

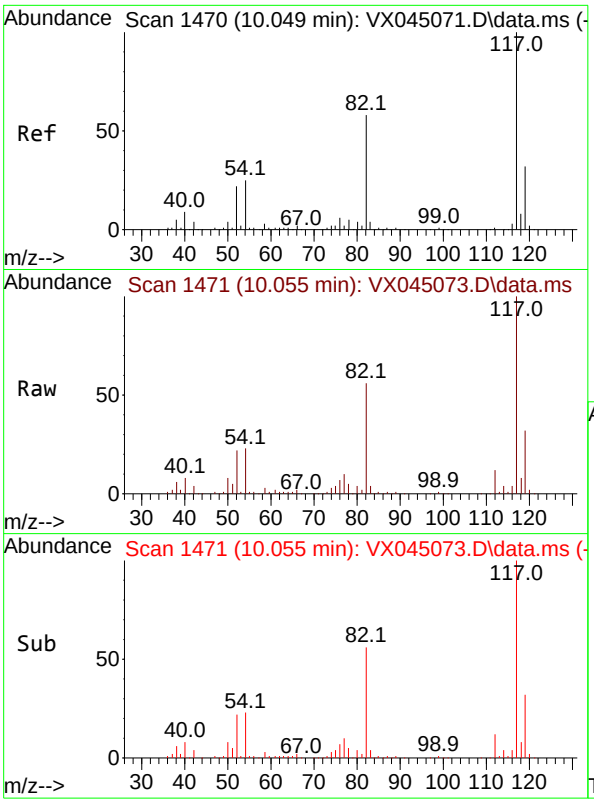


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4

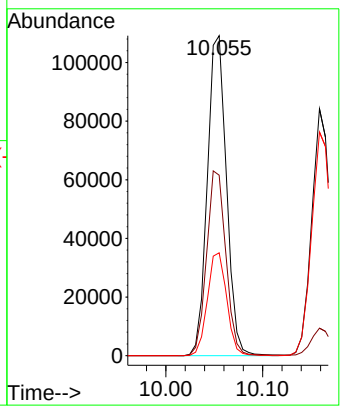




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

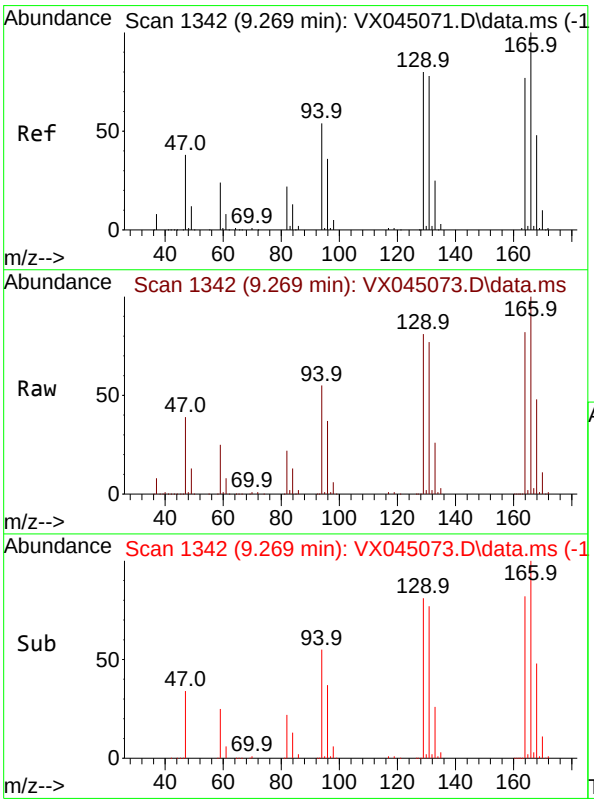
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

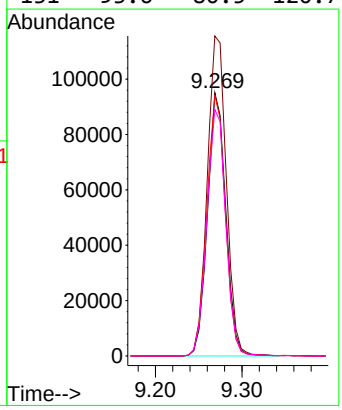
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

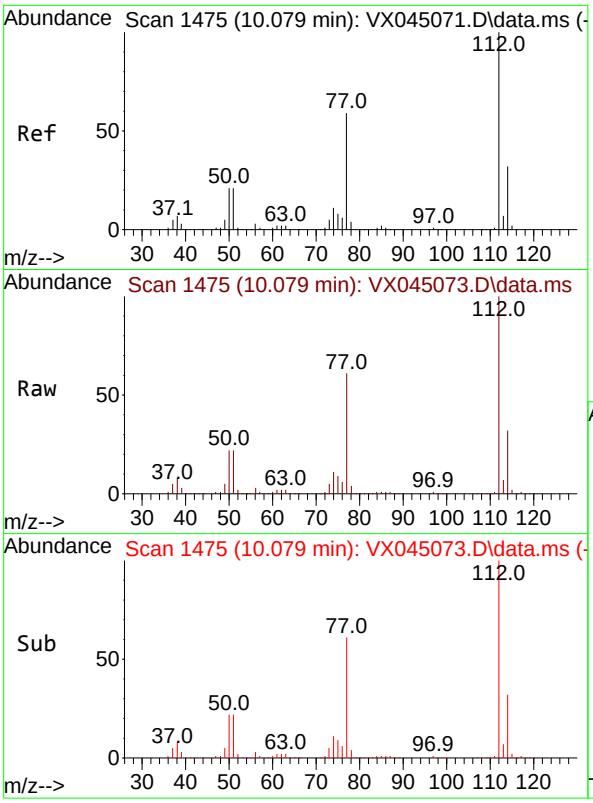


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7

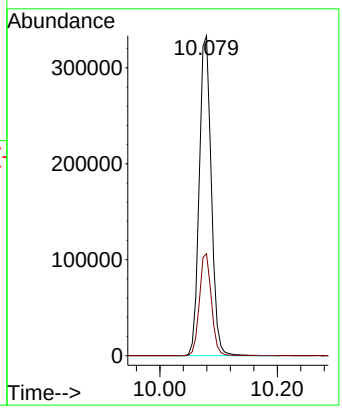




#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:112 Resp: 47211

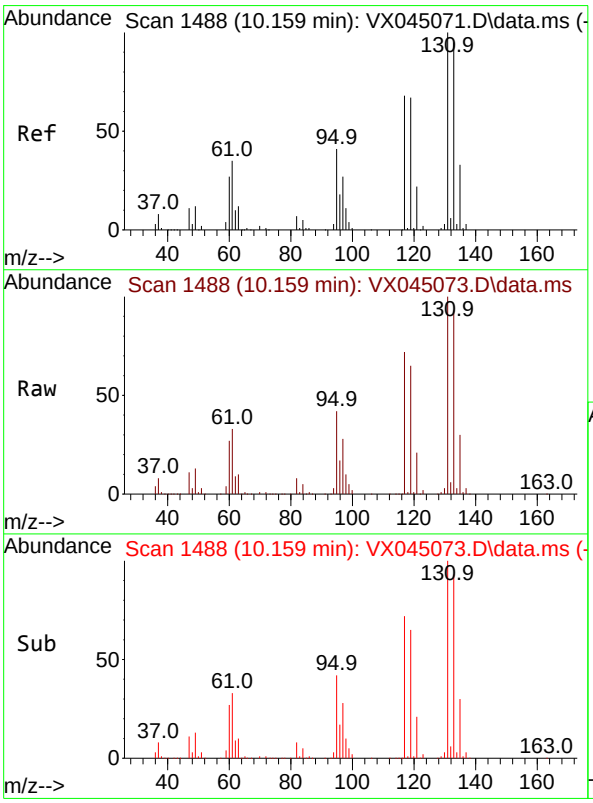
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

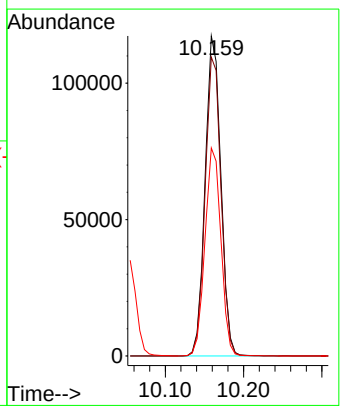
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

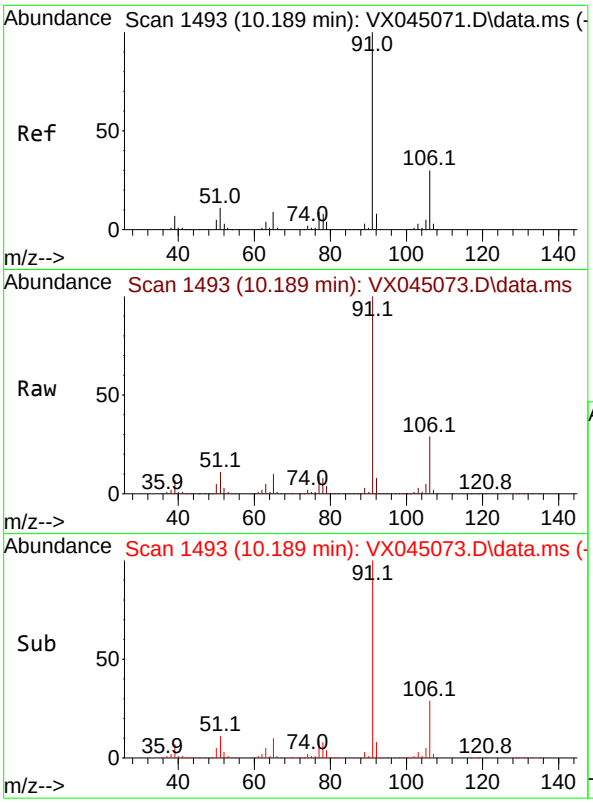


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

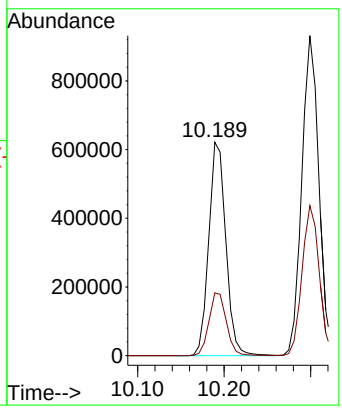
Tgt Ion: 91 Resp: 85257

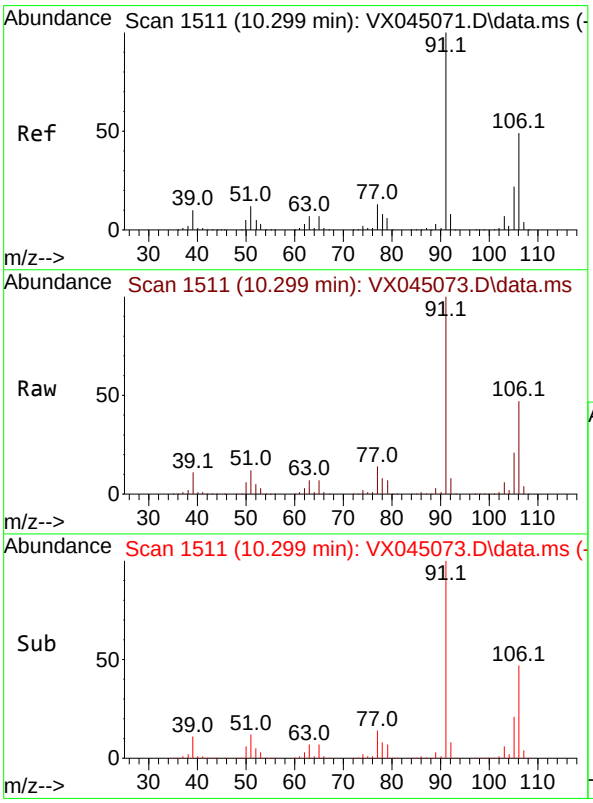
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

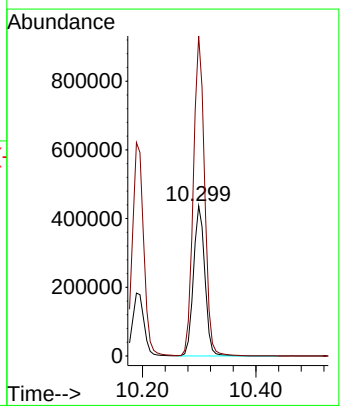


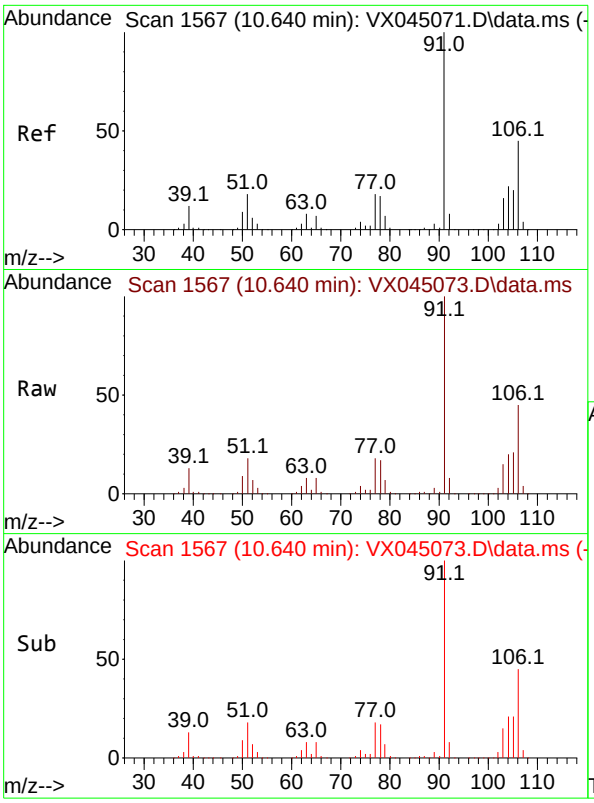


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

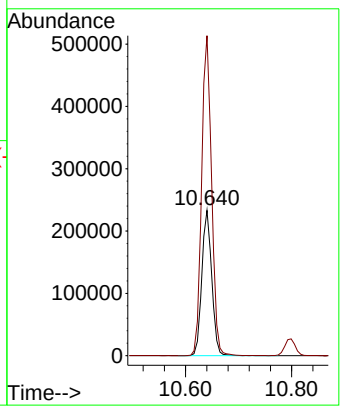




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

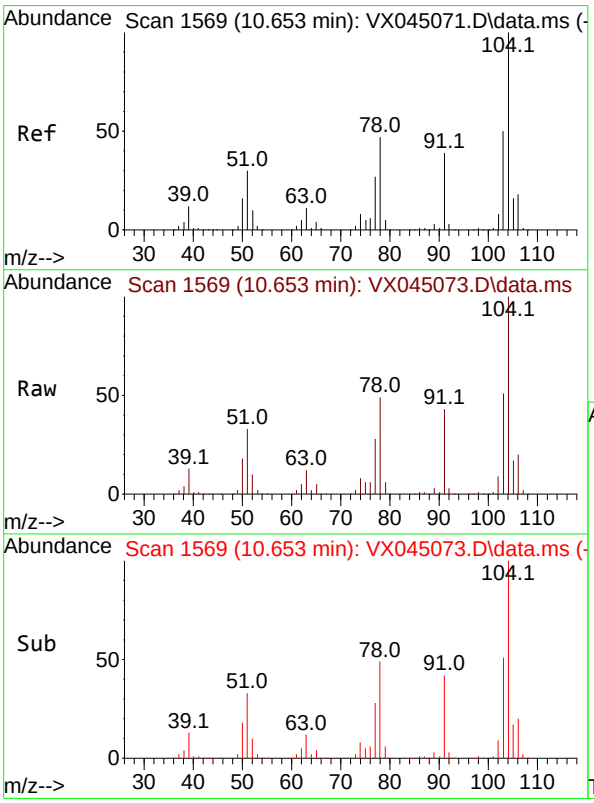
Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

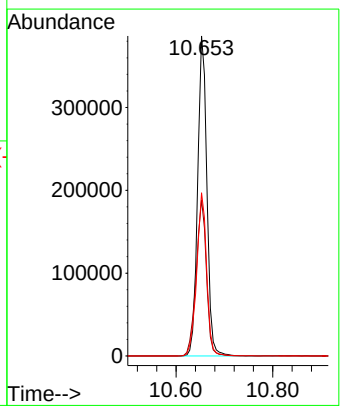
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

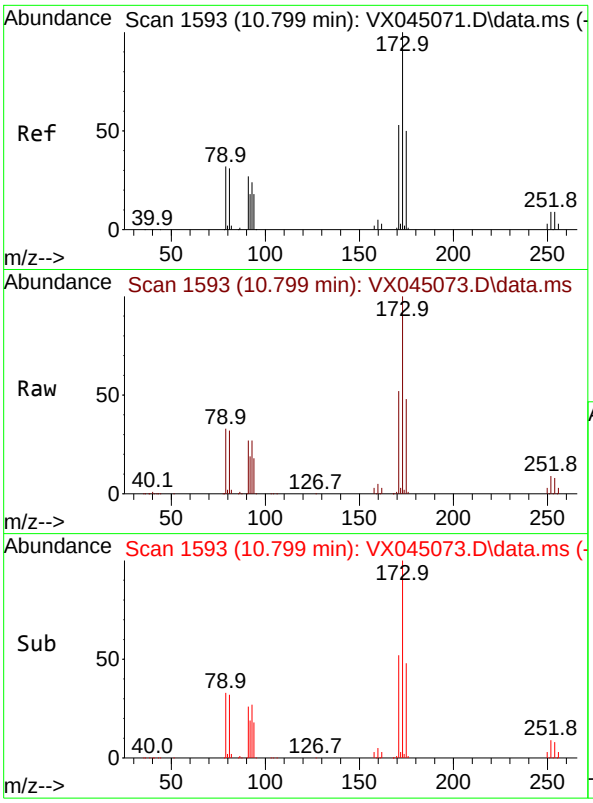


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8

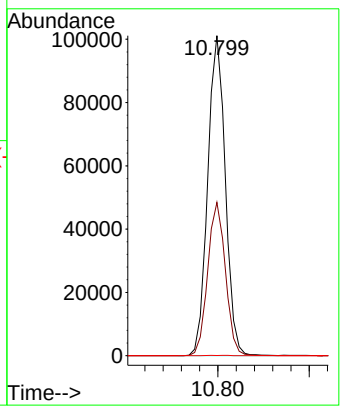




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

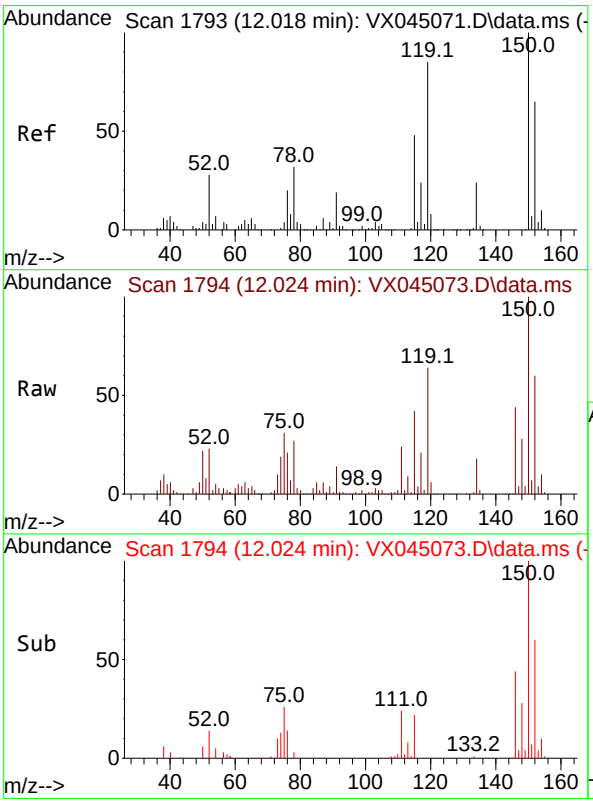
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

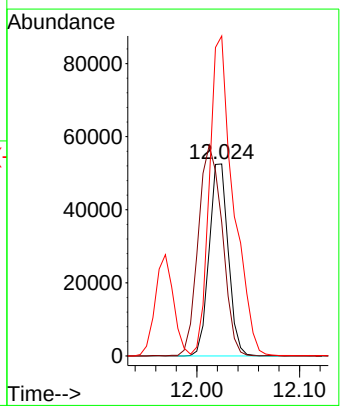
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

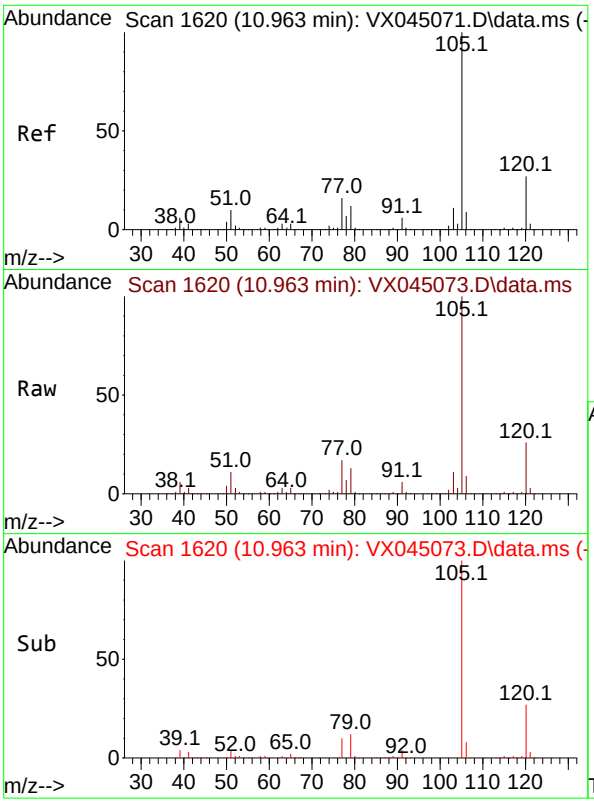


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0

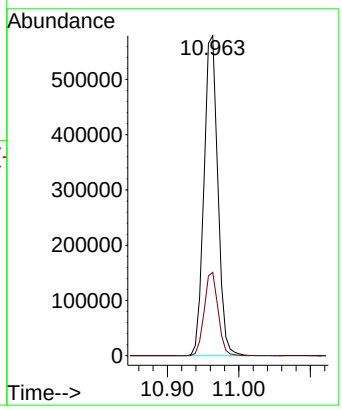




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

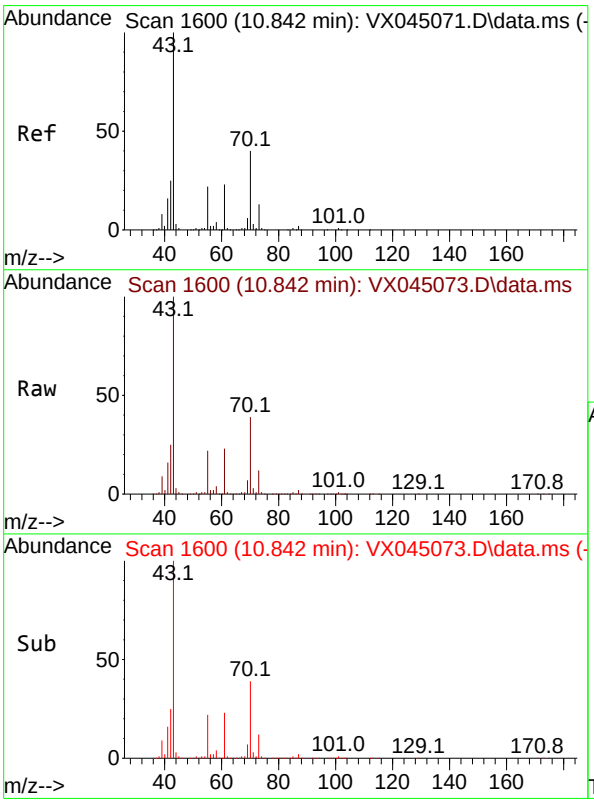
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

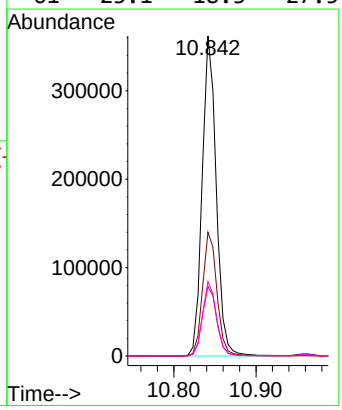
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

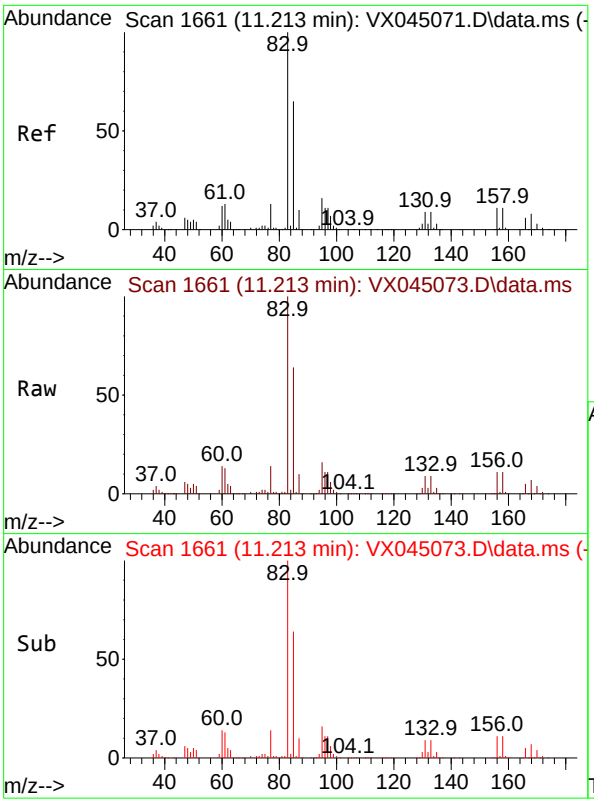


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5

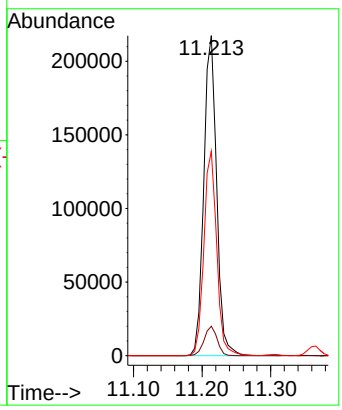




#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28355

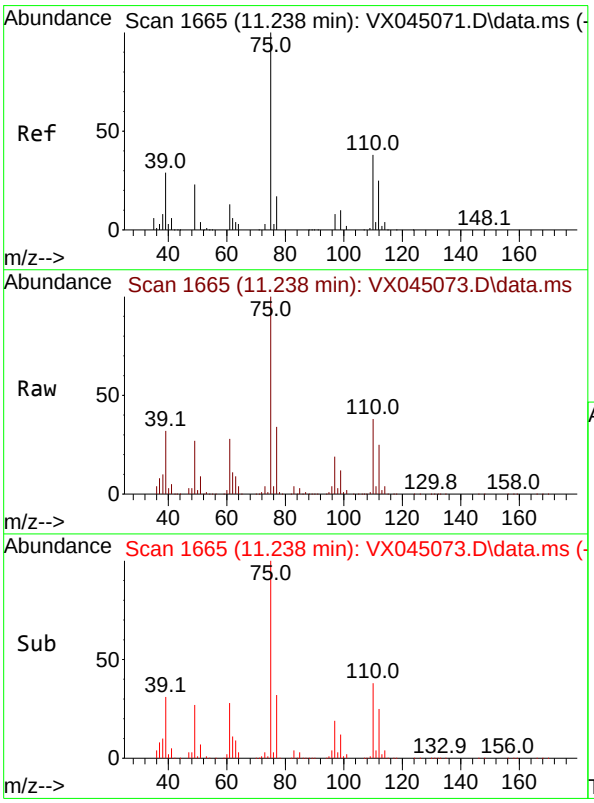
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

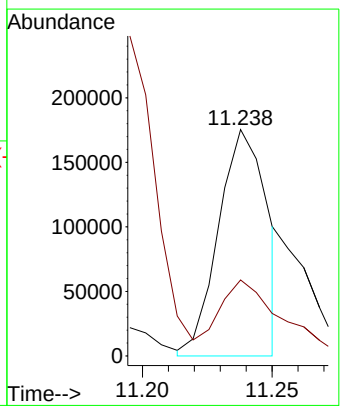
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

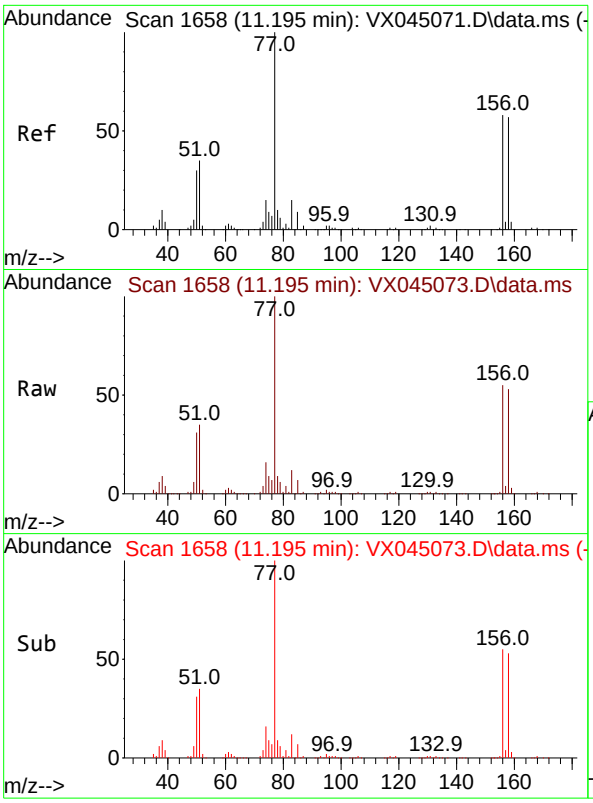


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1

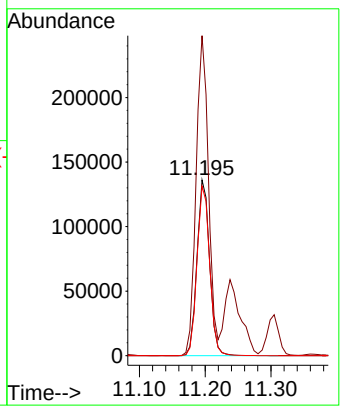




#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

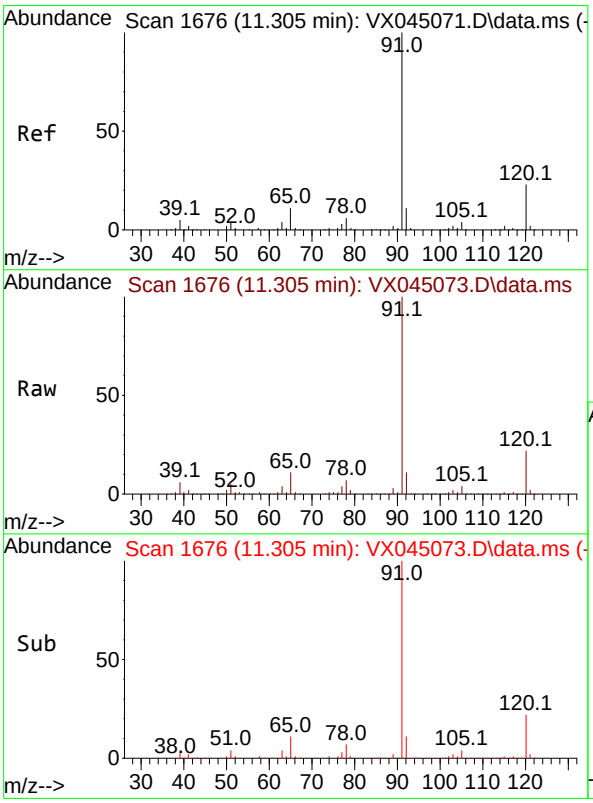
Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

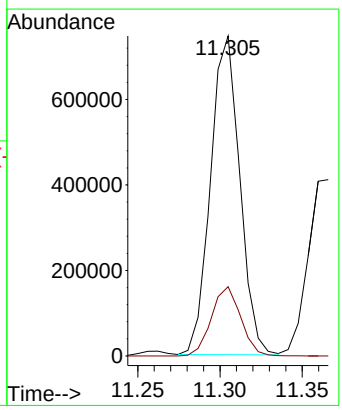
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

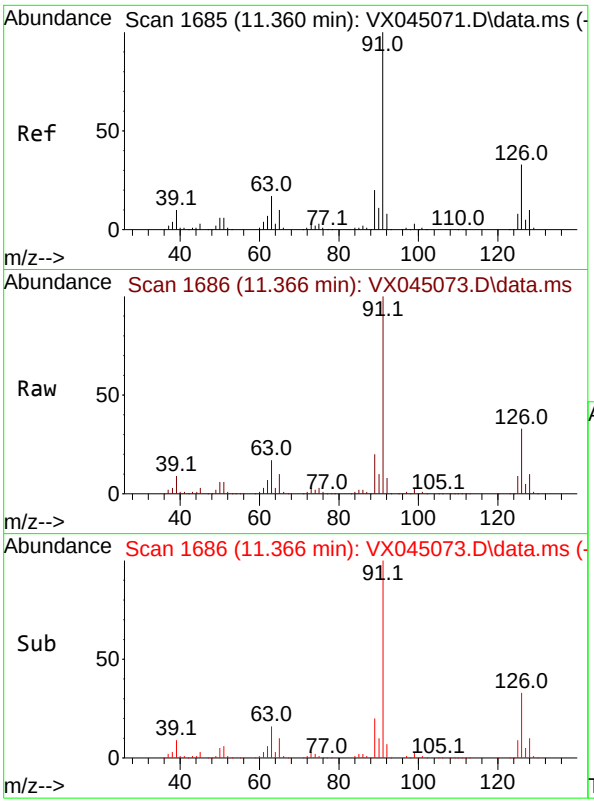


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

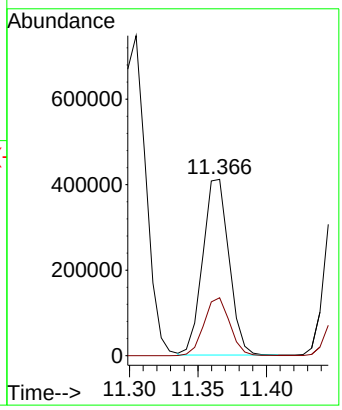




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

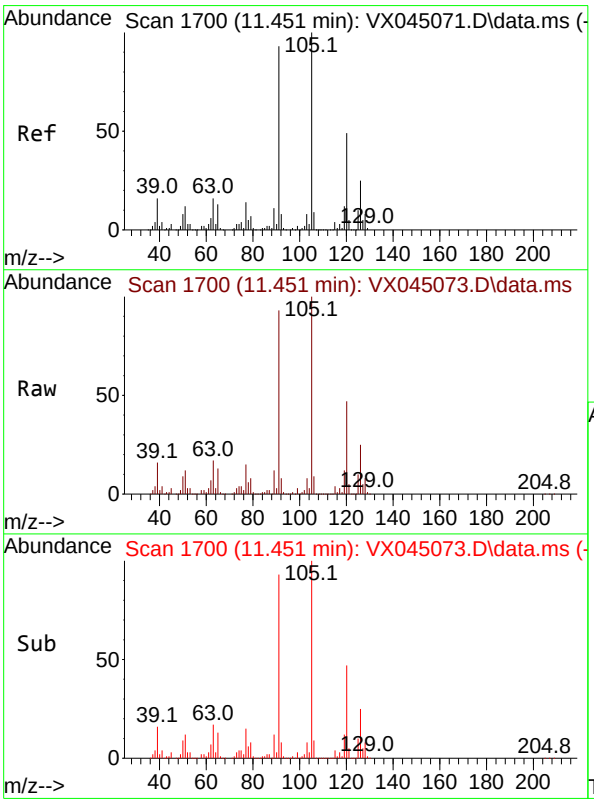
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

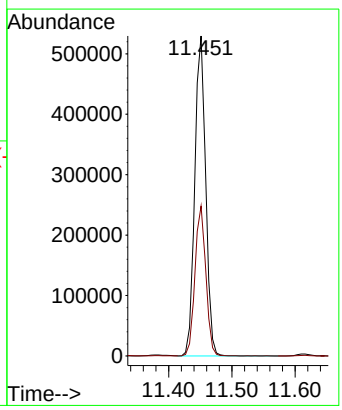
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

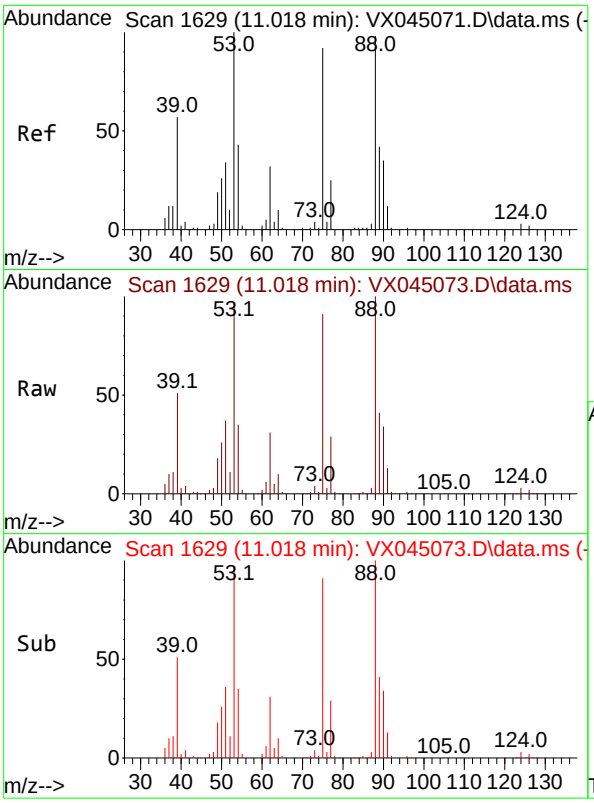


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

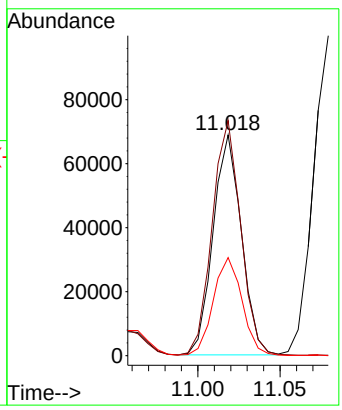




#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

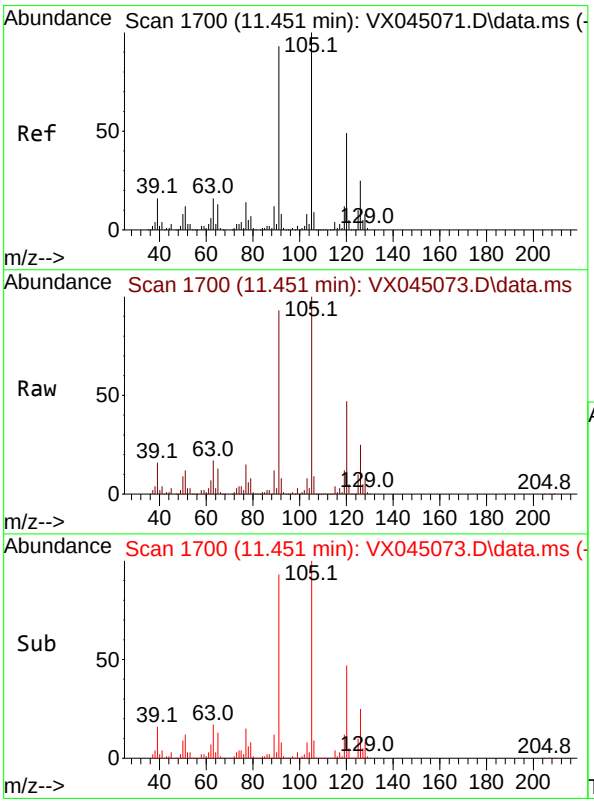
Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

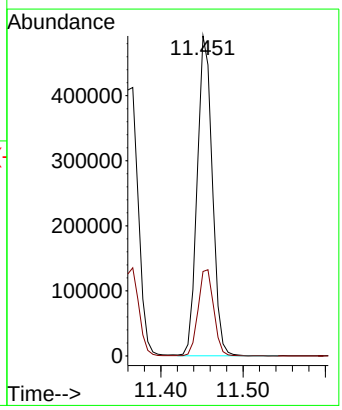
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

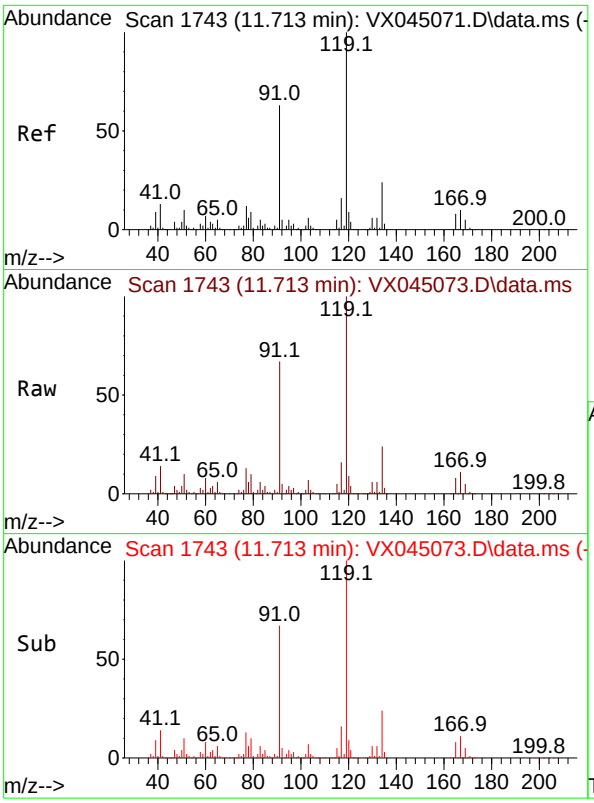


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

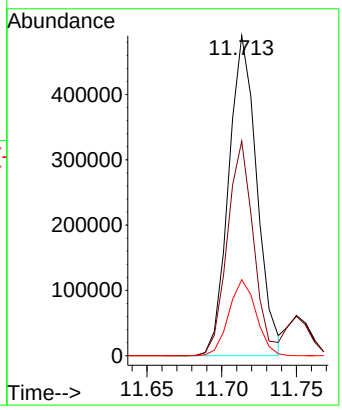




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

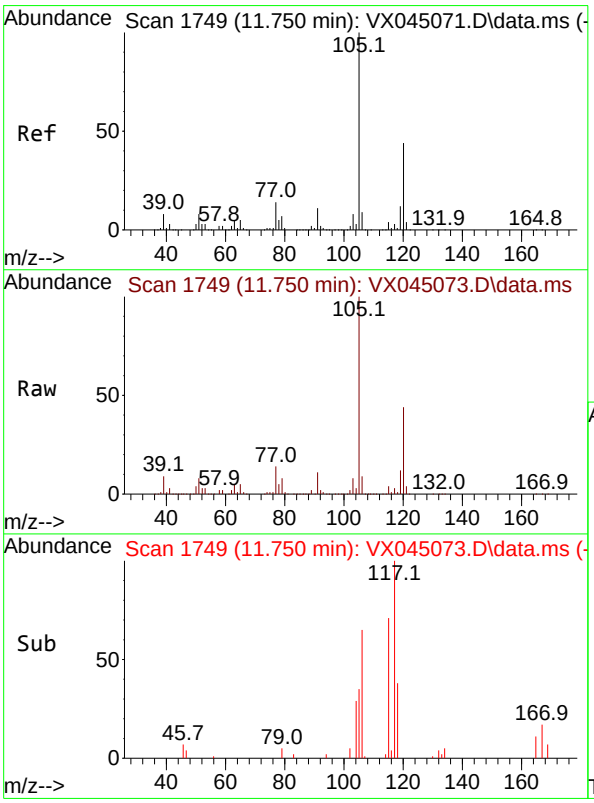
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

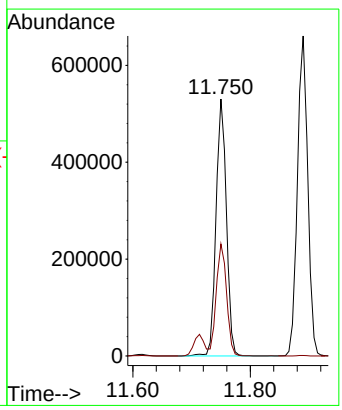
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

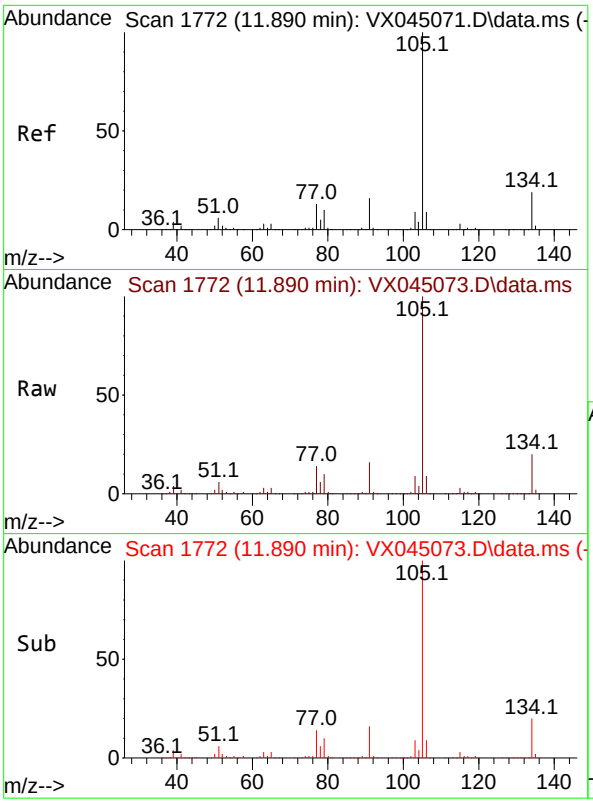


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

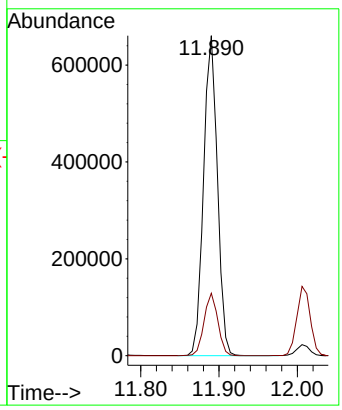




#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 80771

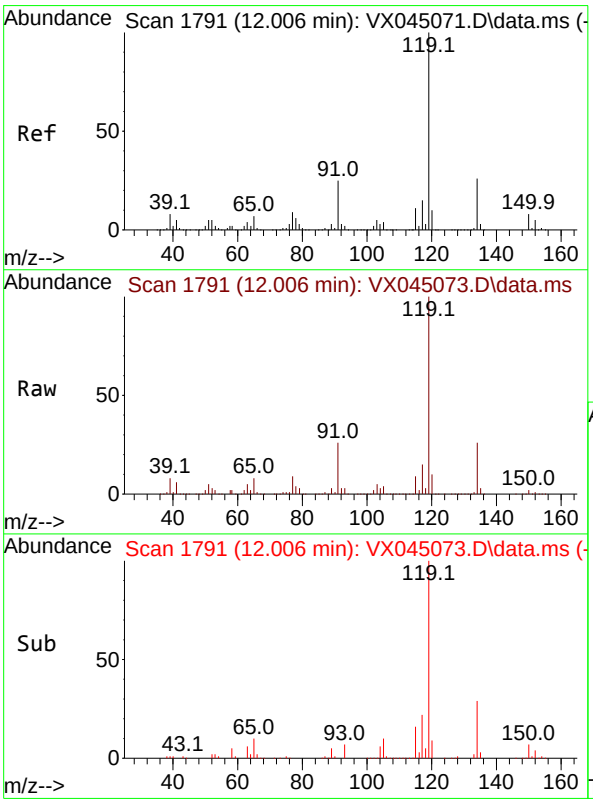
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

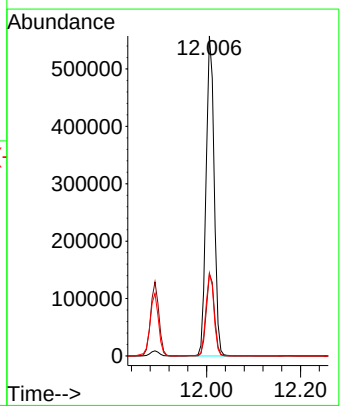
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

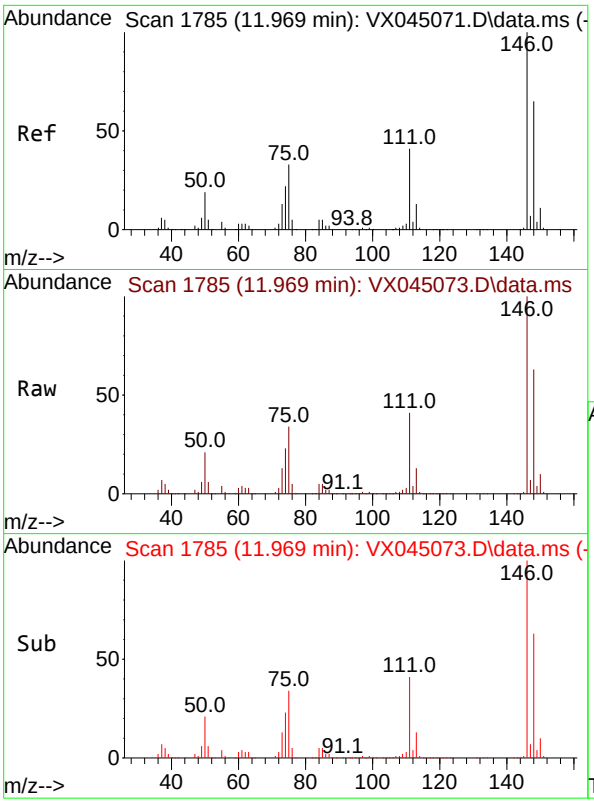


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0

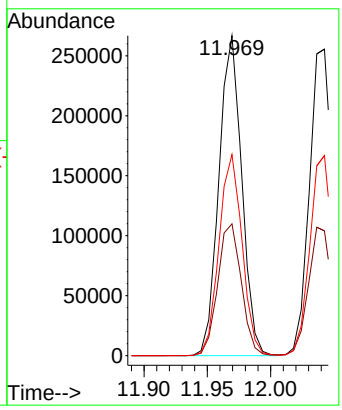




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

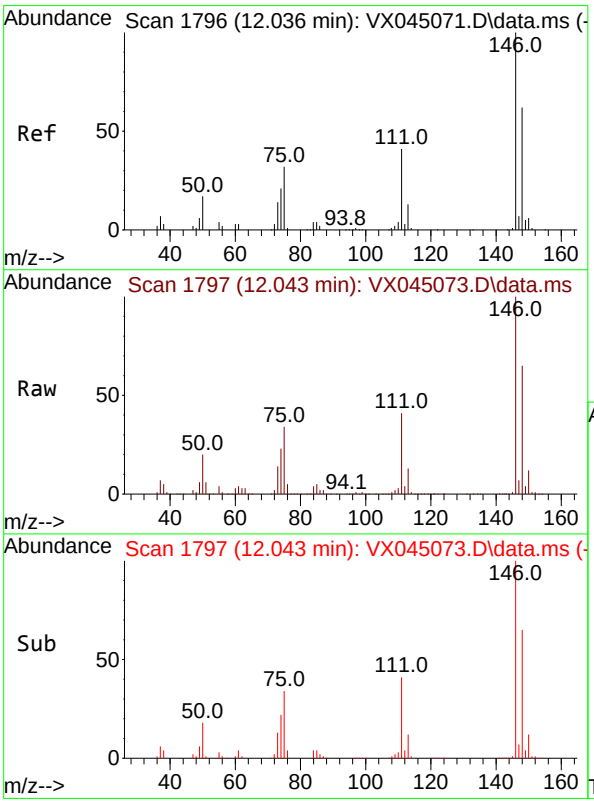
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

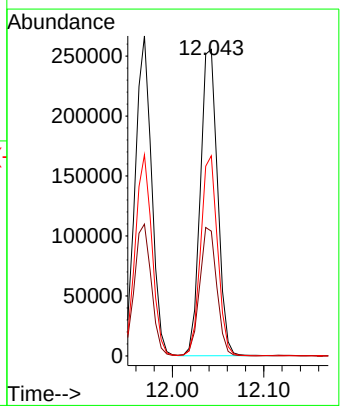
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

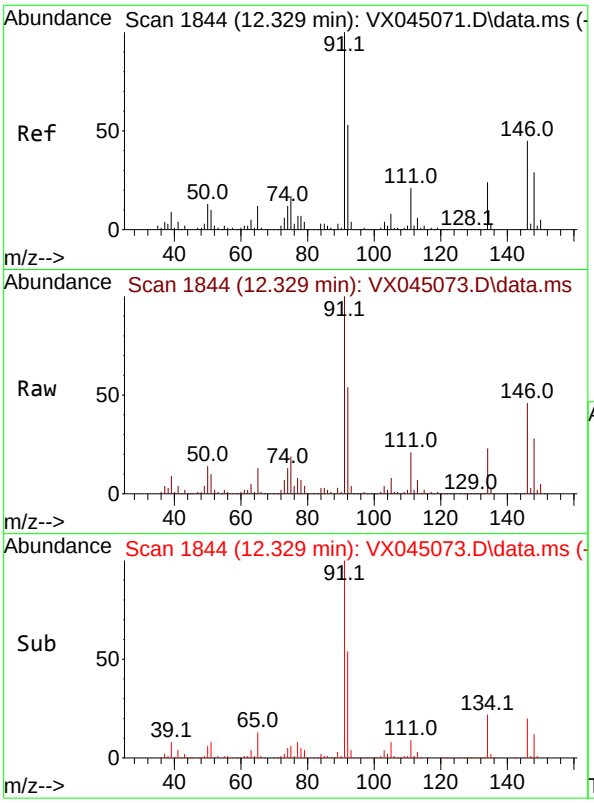


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9

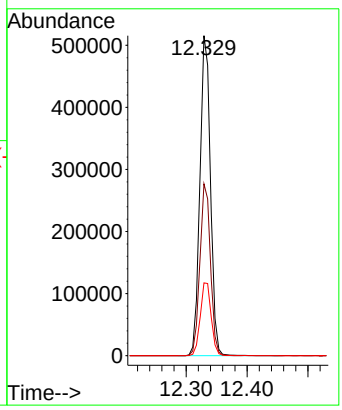




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

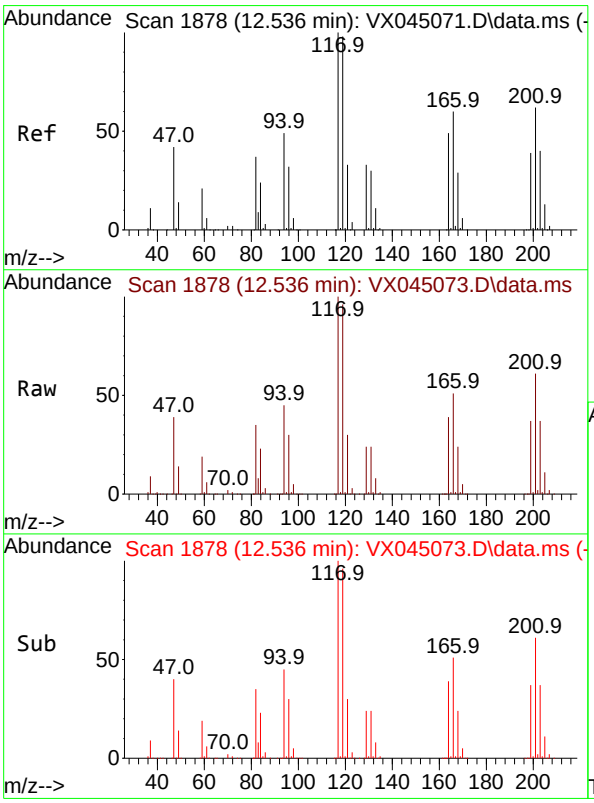
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

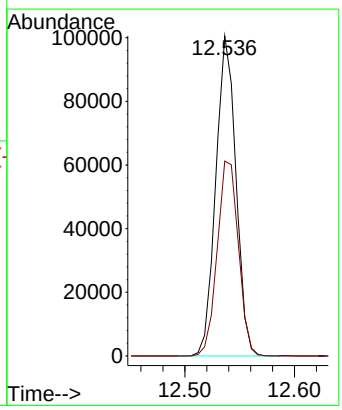
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

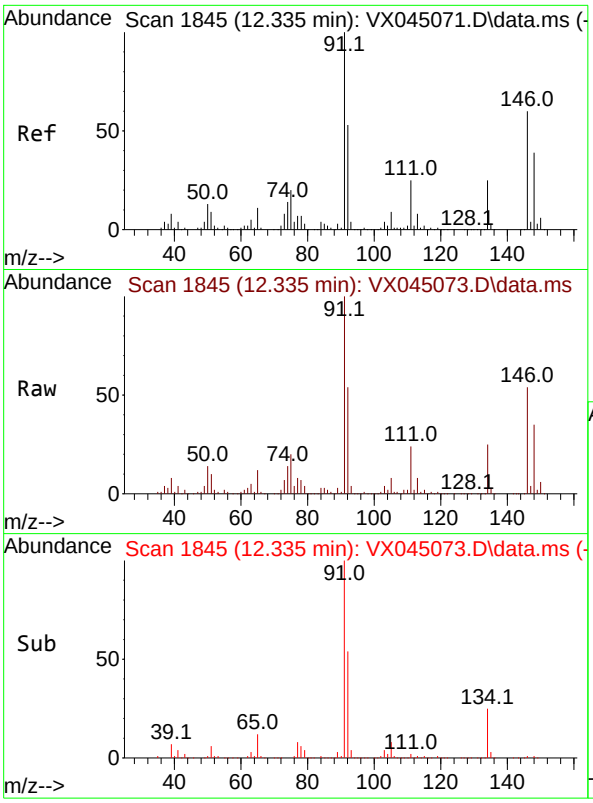


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

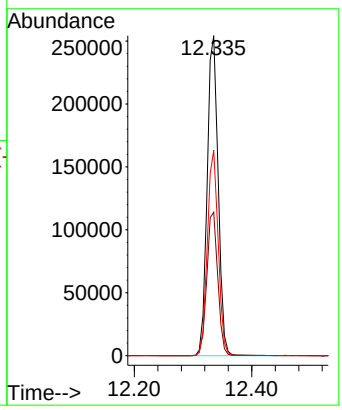




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

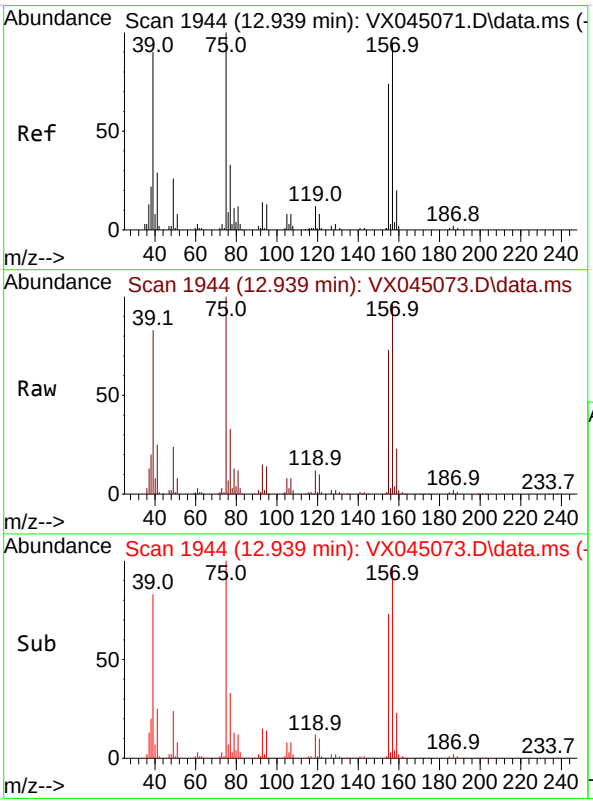
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

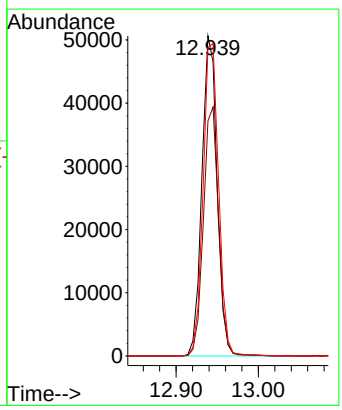
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

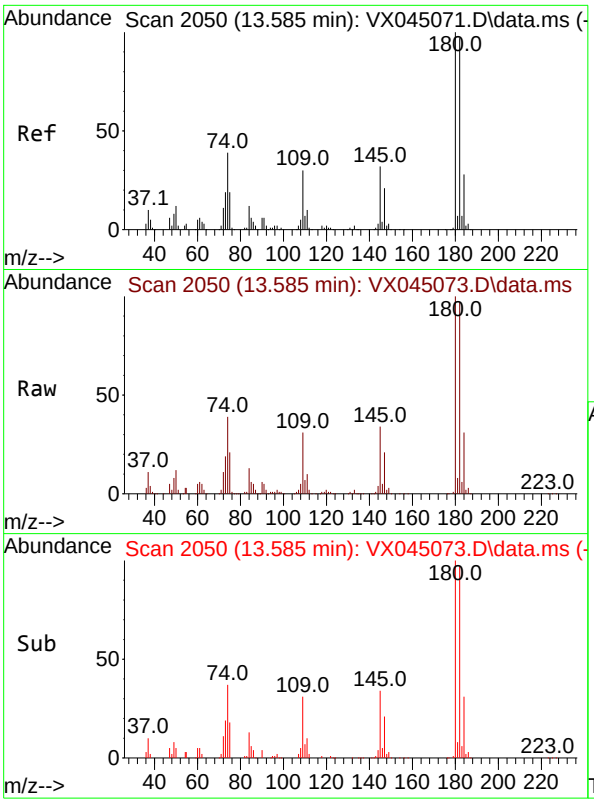


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4

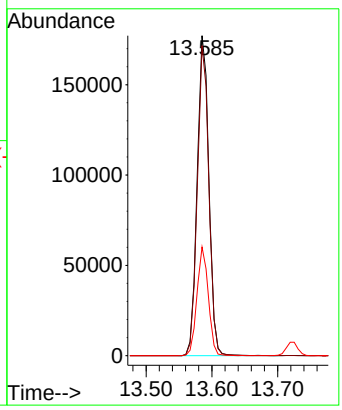




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

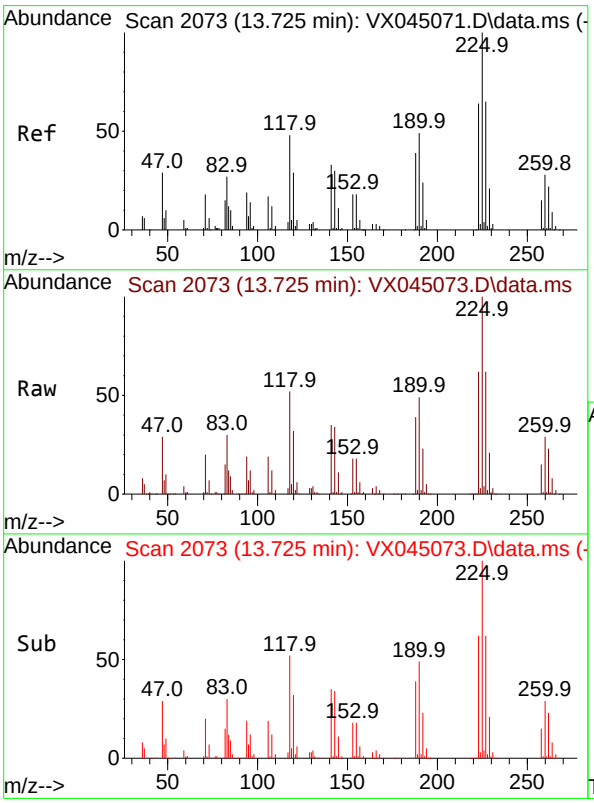
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

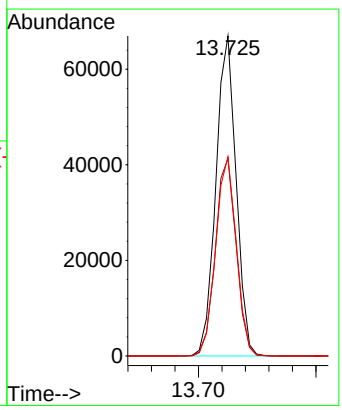
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

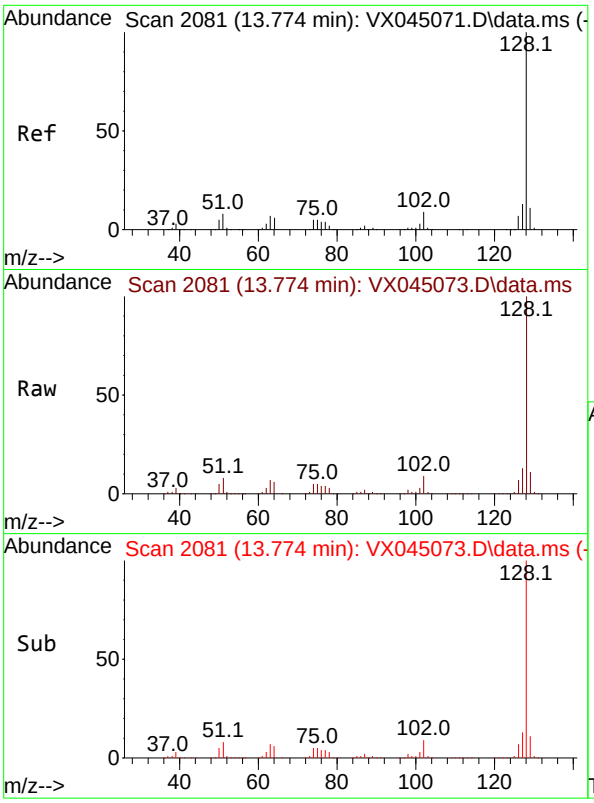


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0

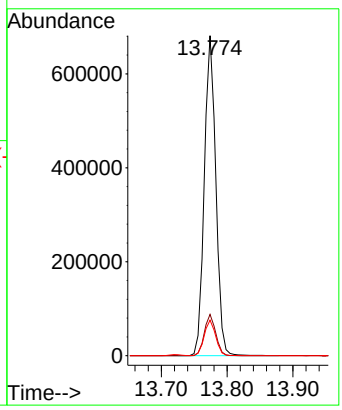




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 82894

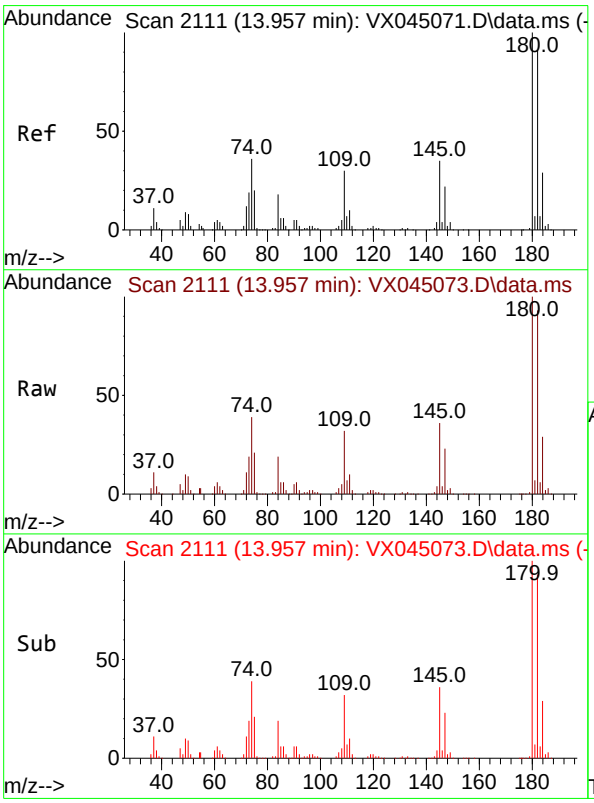
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

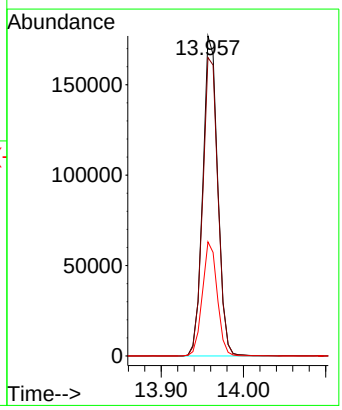
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l		
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

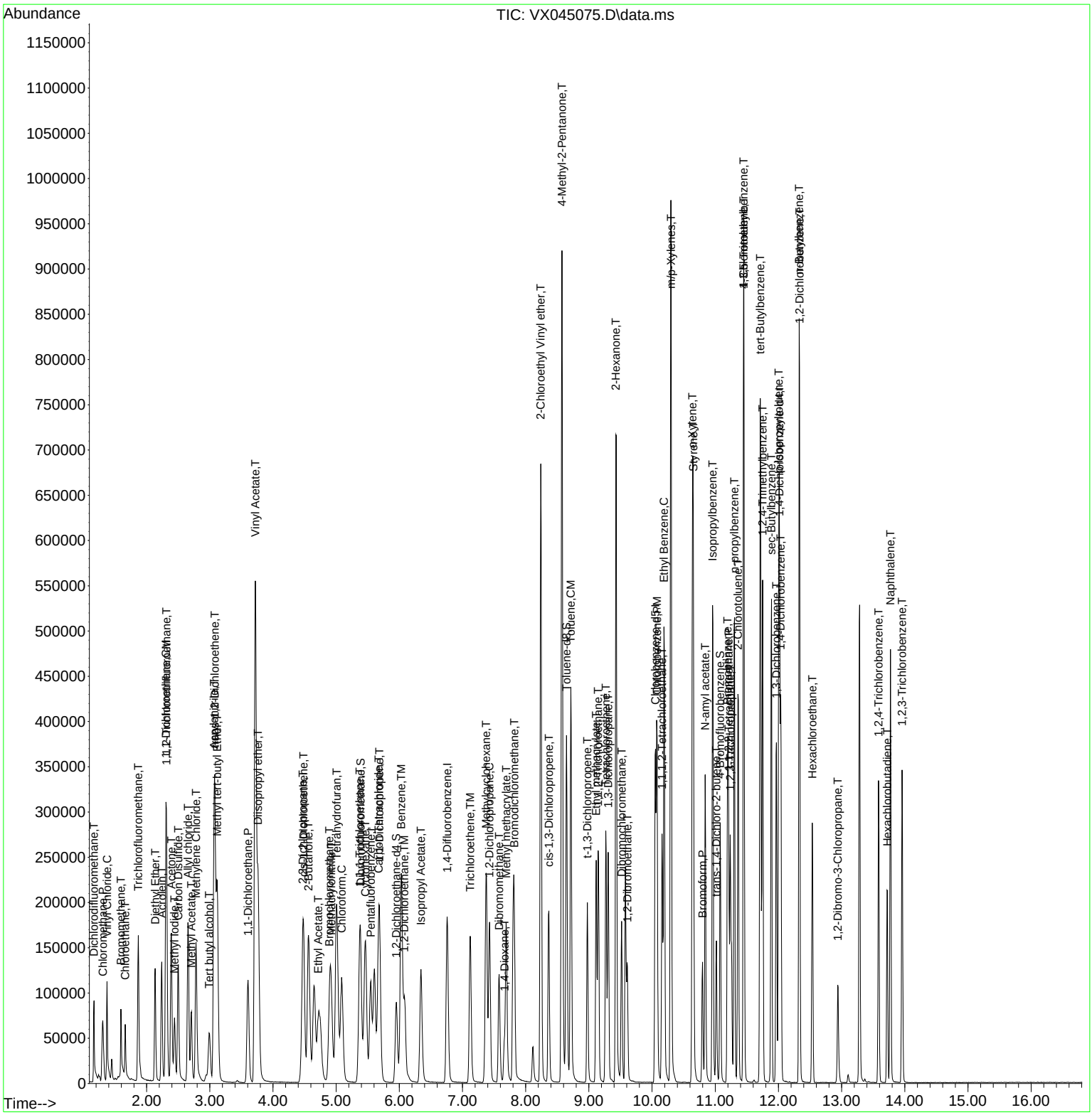
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

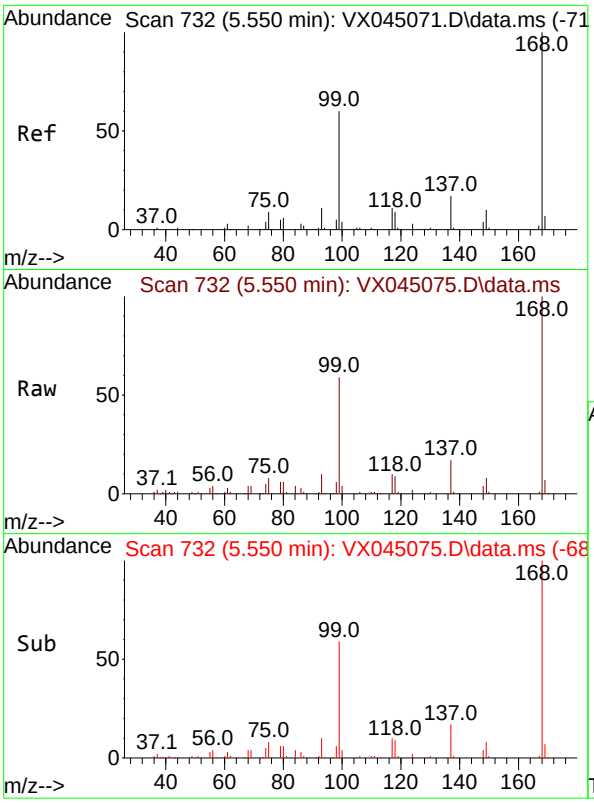
Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

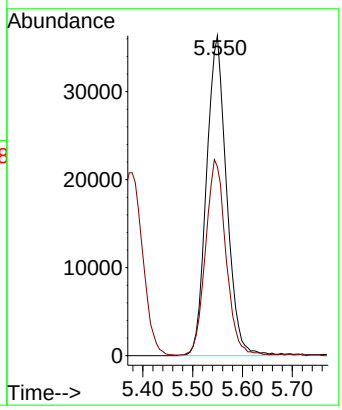




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

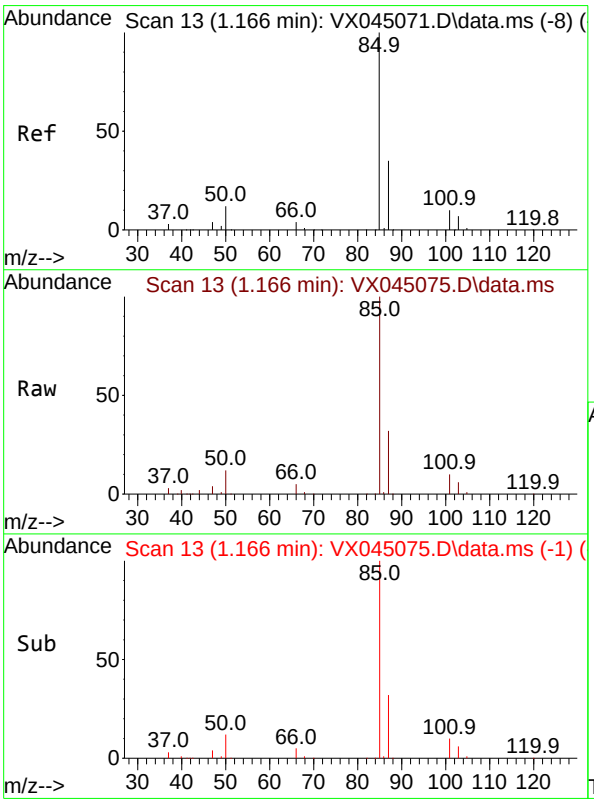
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

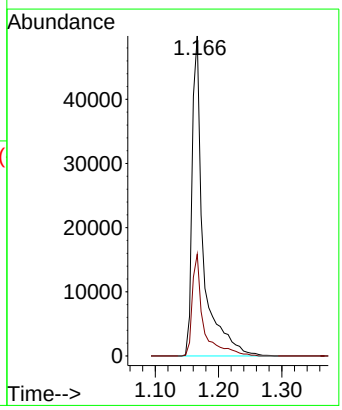
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

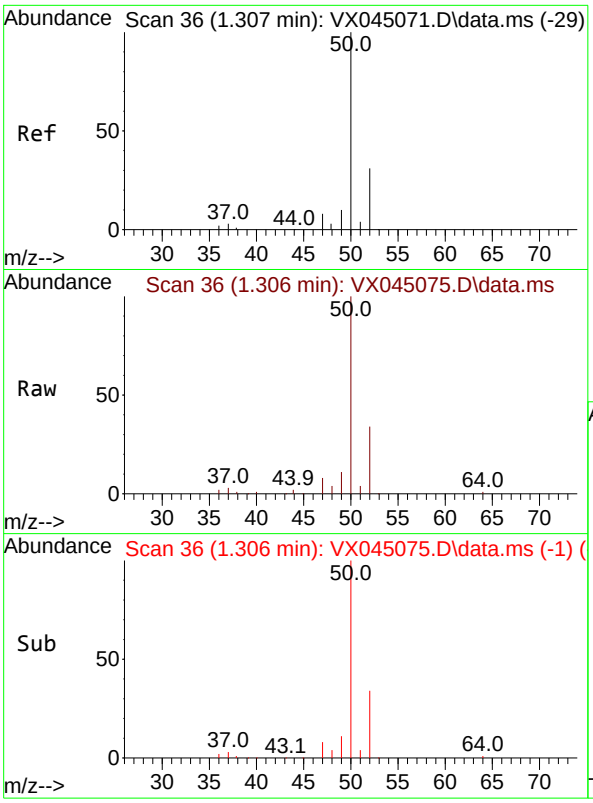


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

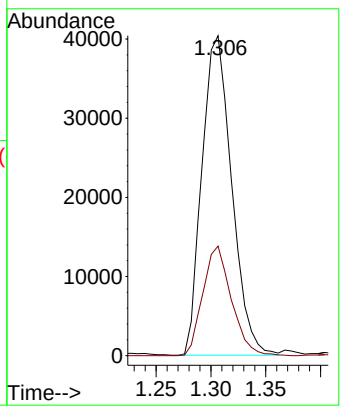




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

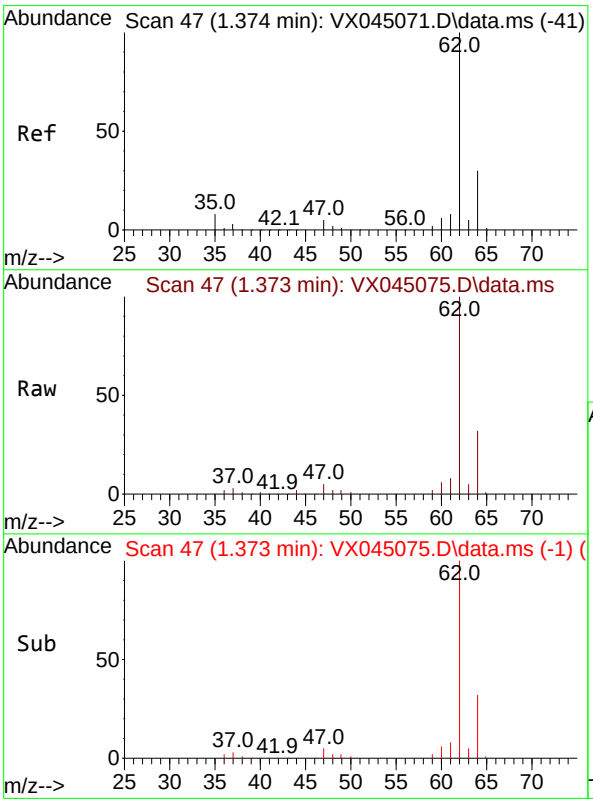
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

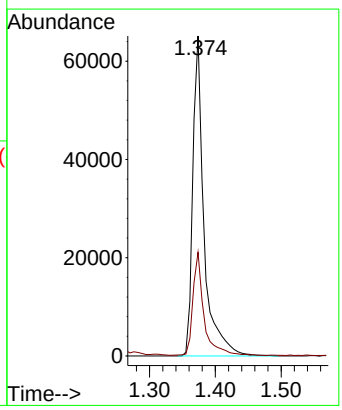
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

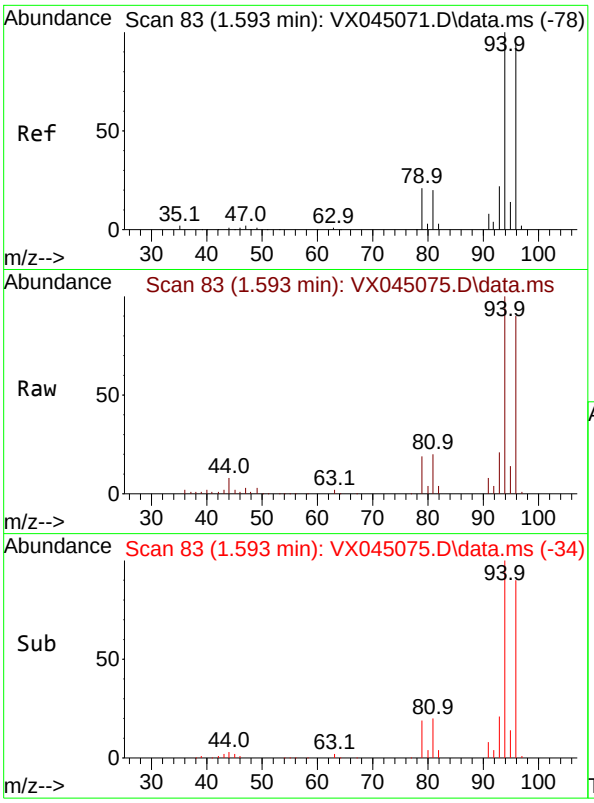


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

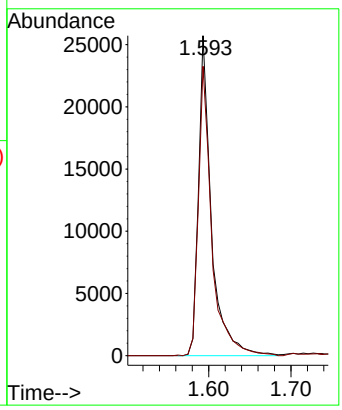




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

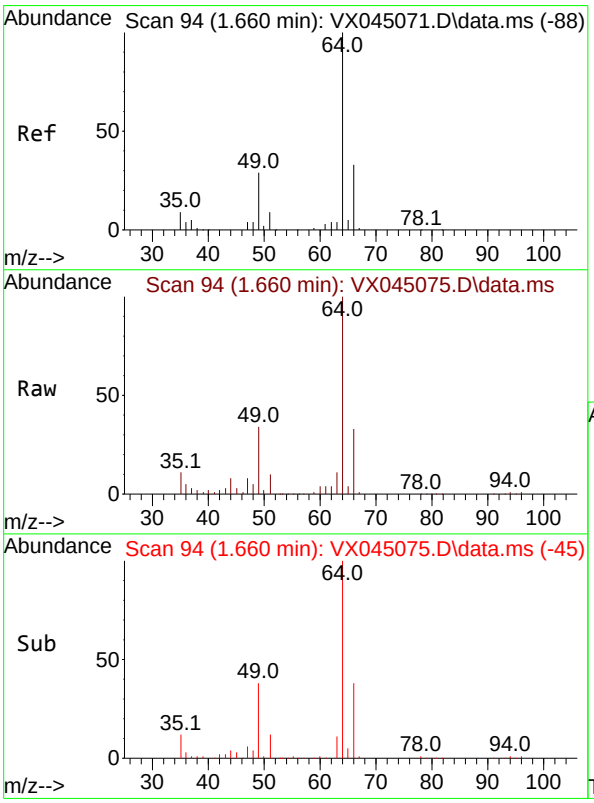
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

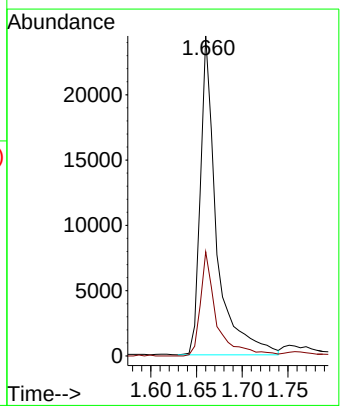
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

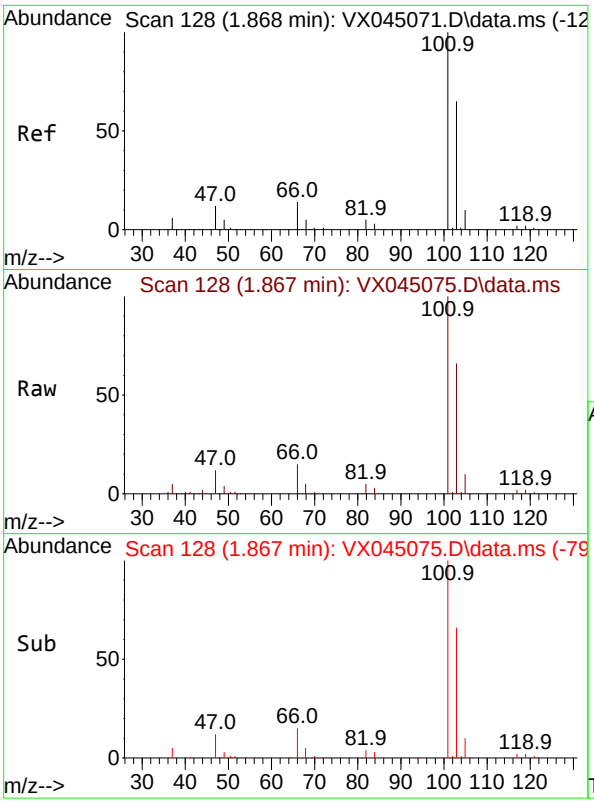


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

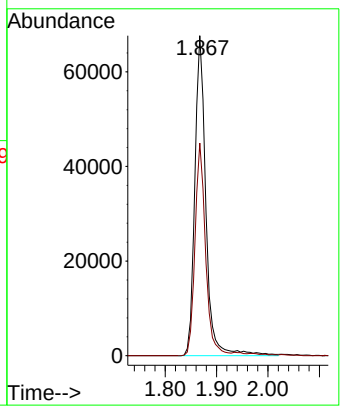




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

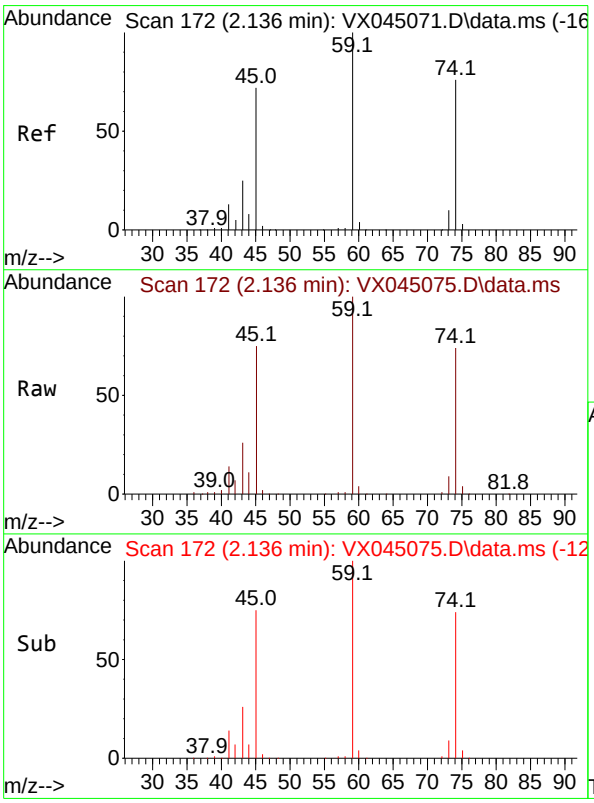
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

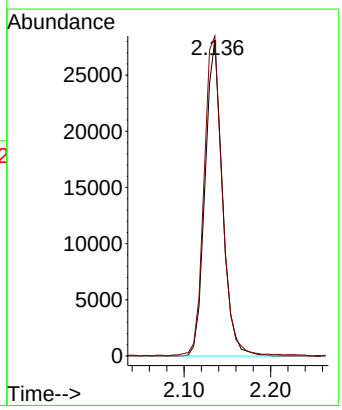
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

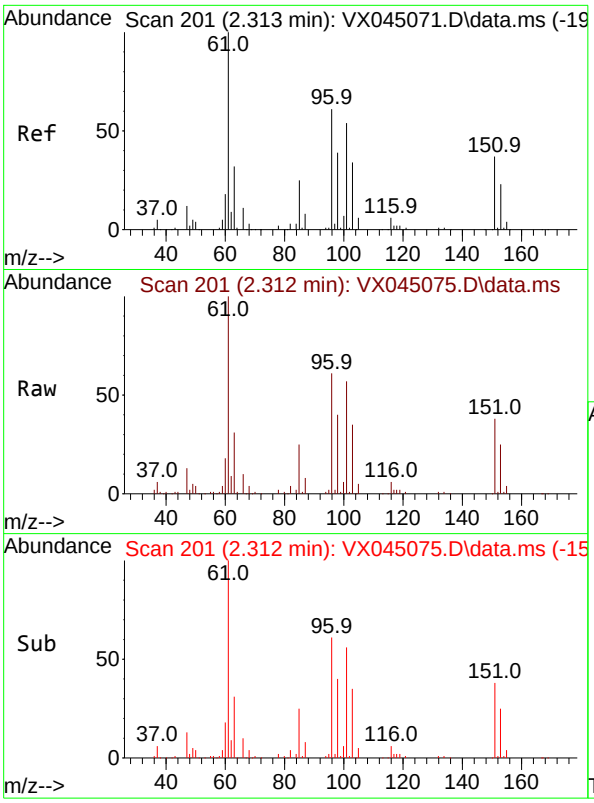


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5

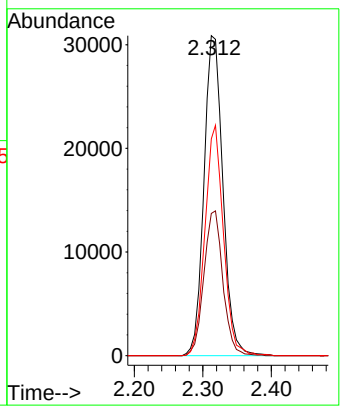




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 5947

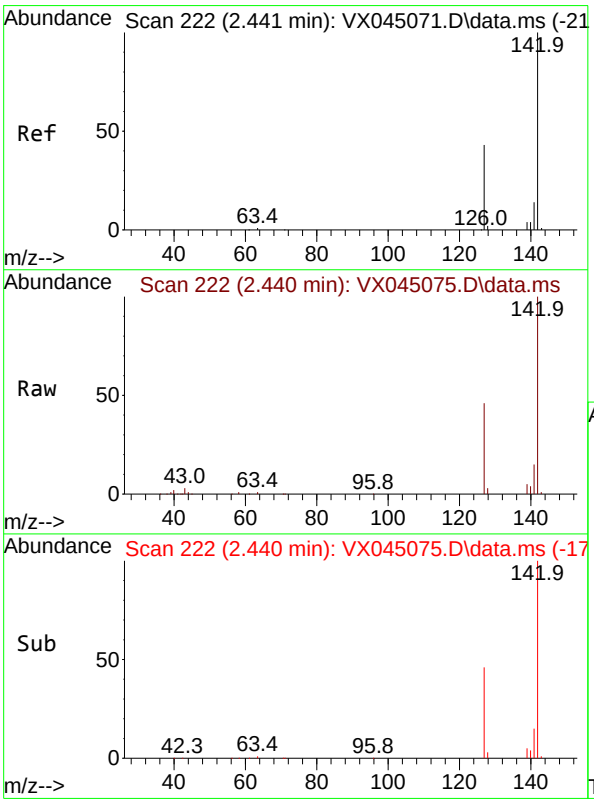
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

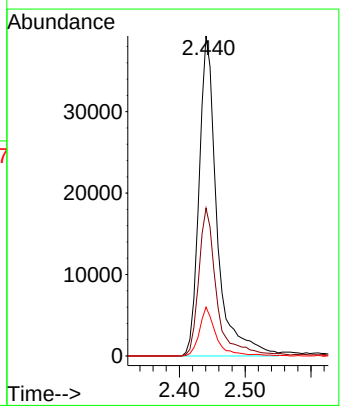
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

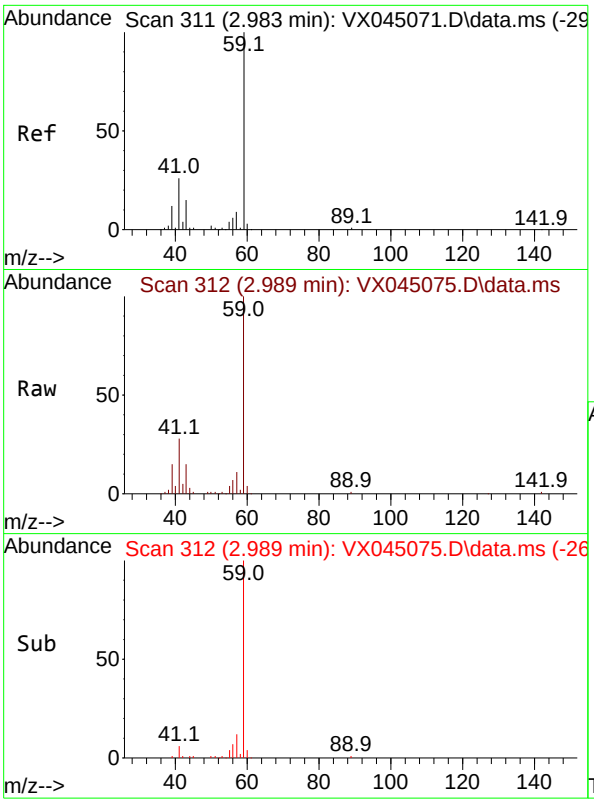


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4

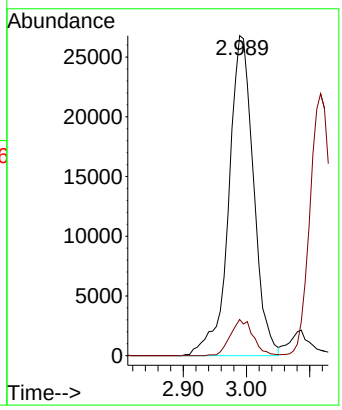




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

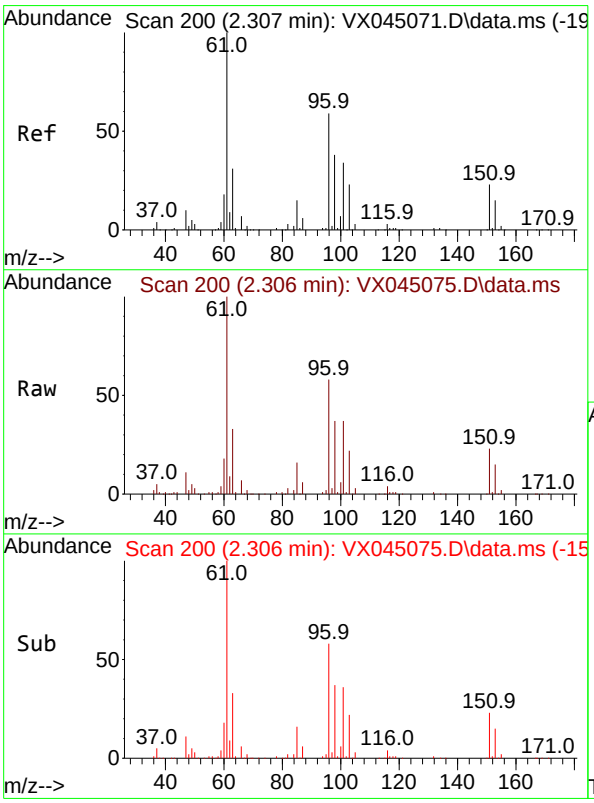
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

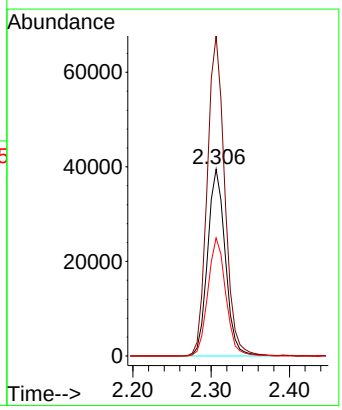
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

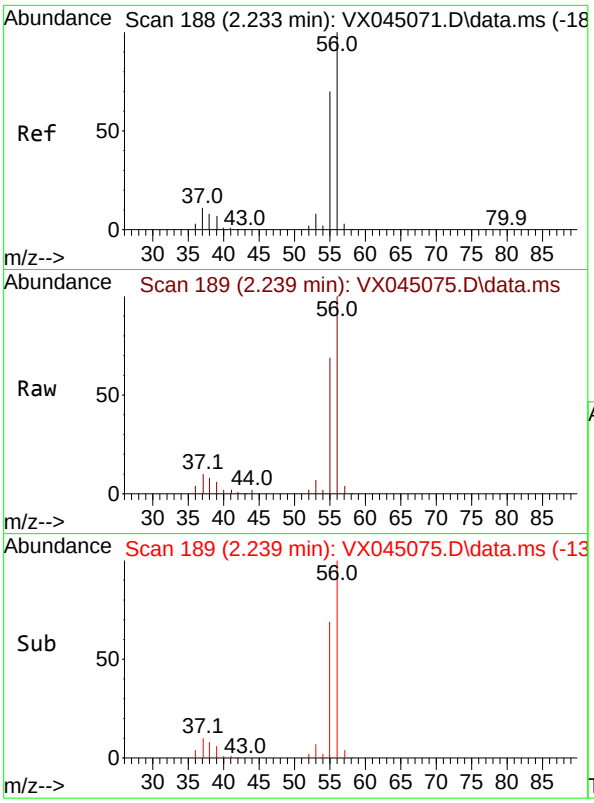


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6

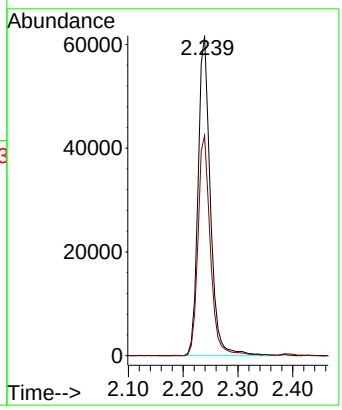




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

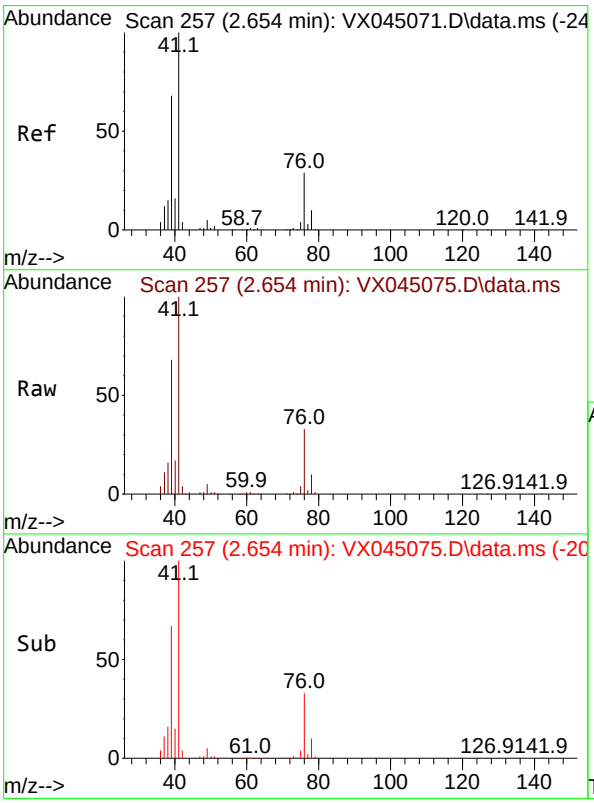
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

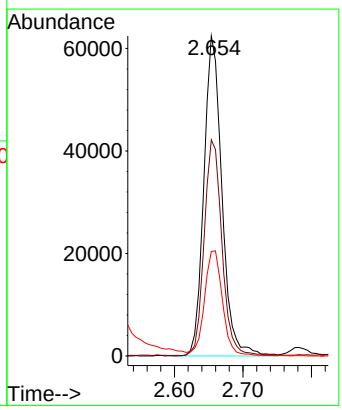
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

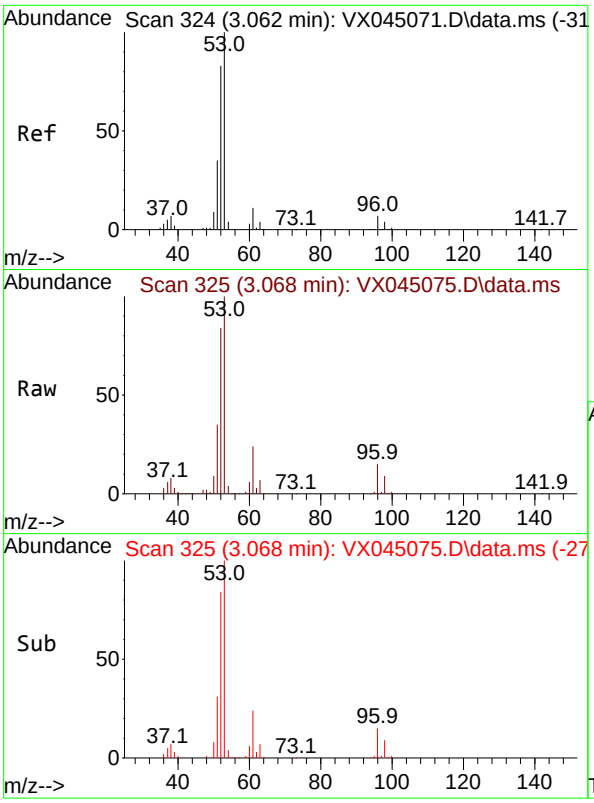


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8

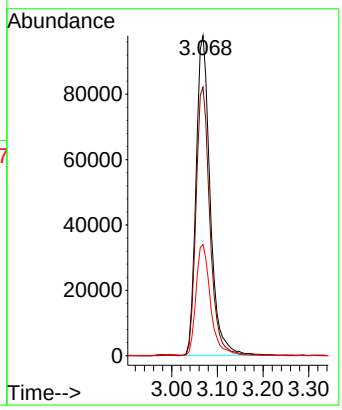




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

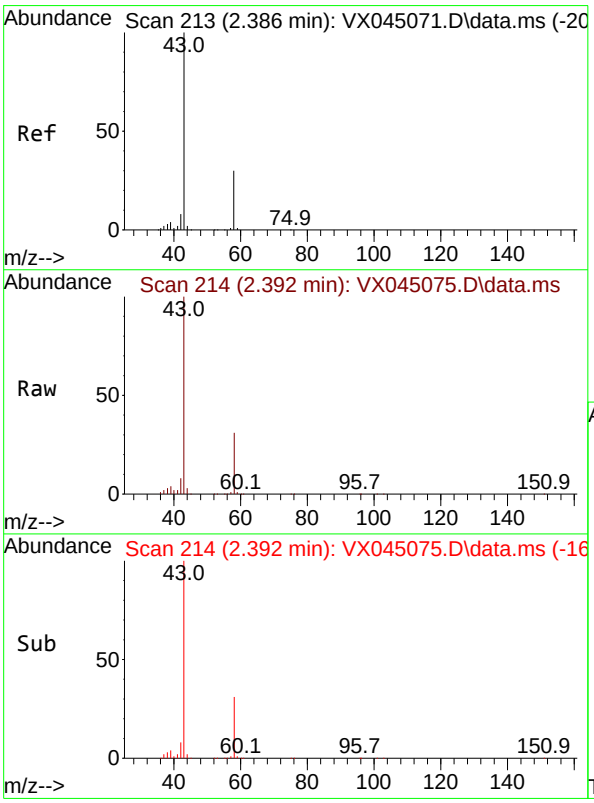
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

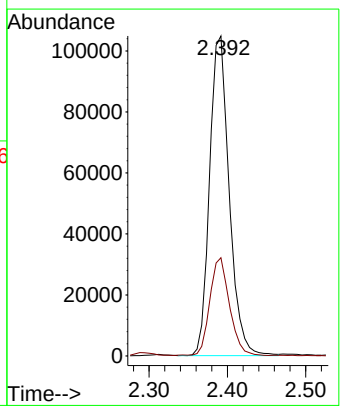
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

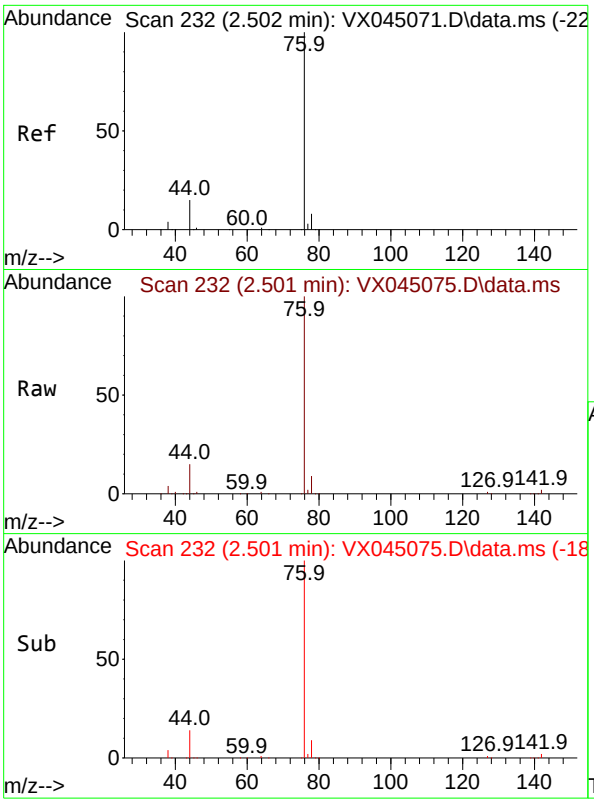


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

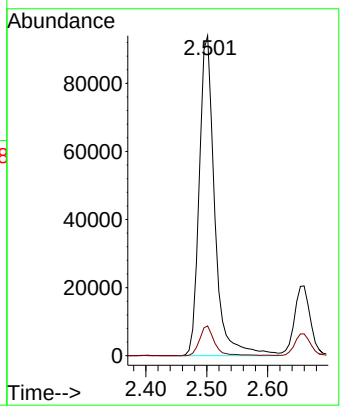




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

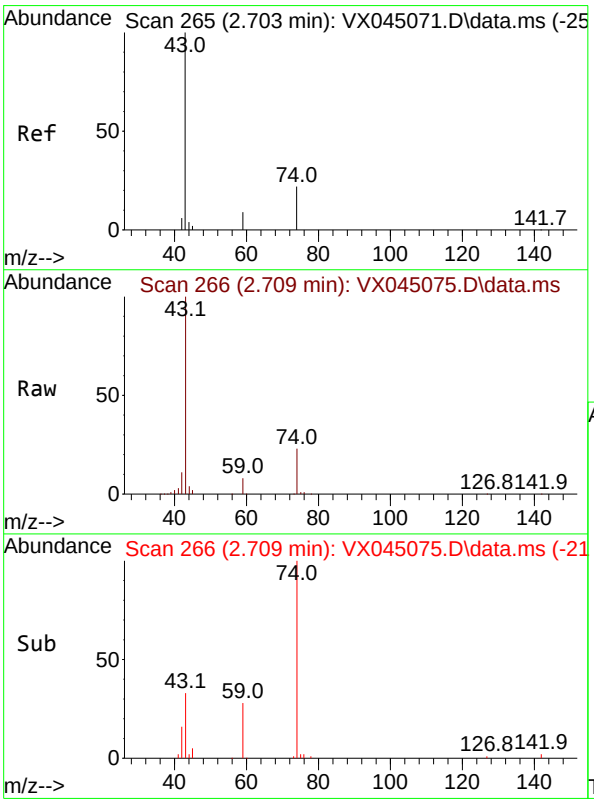
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

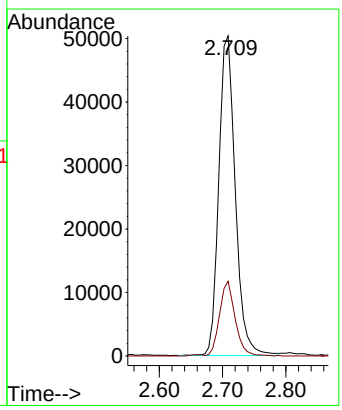
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

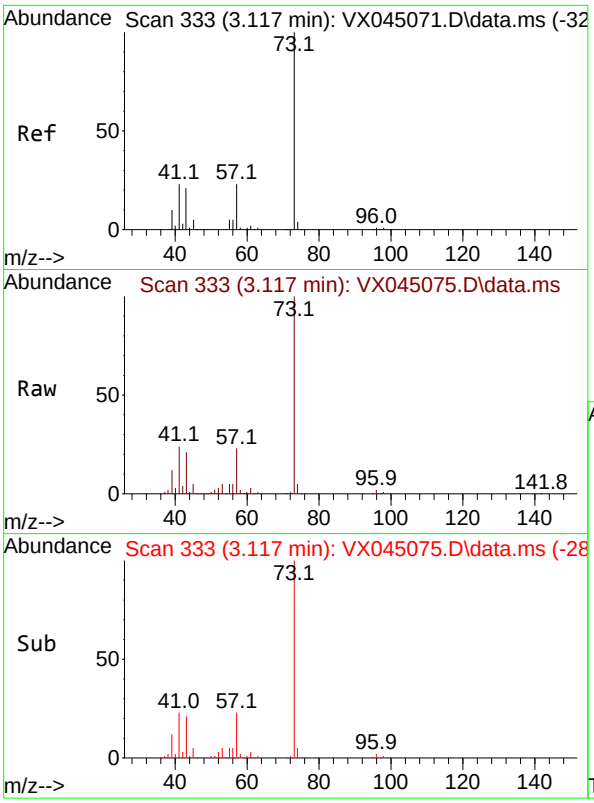


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

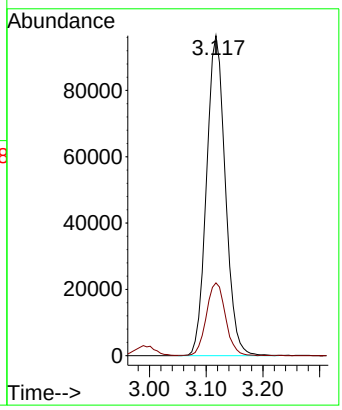




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

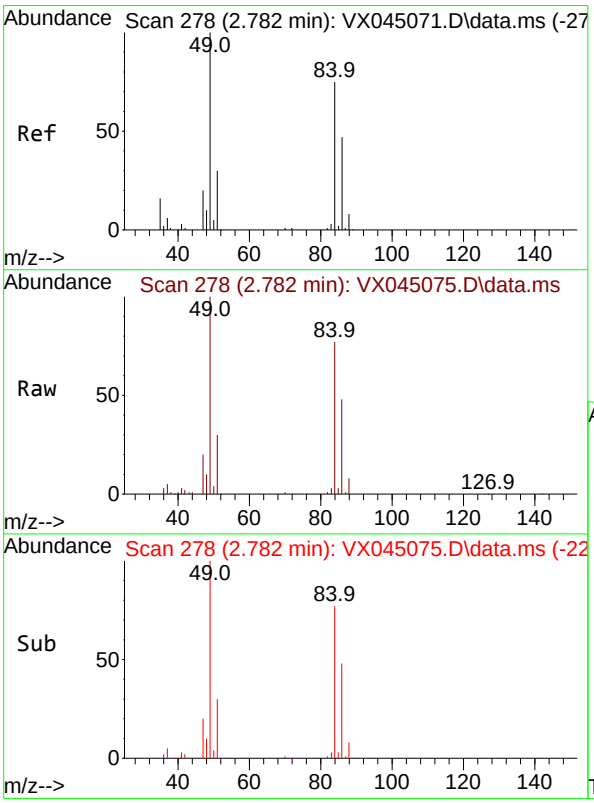
Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

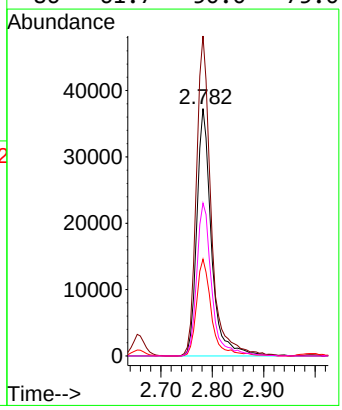
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

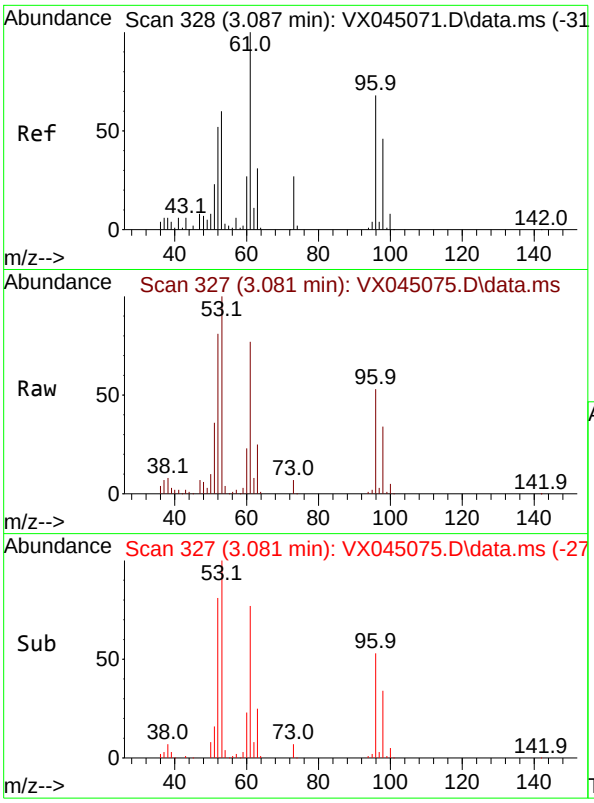


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0

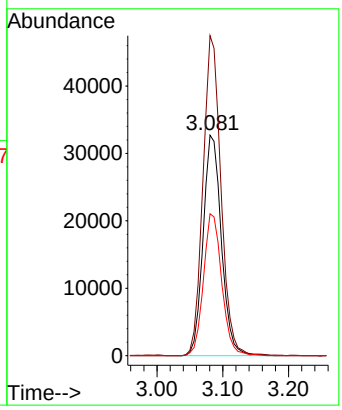




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

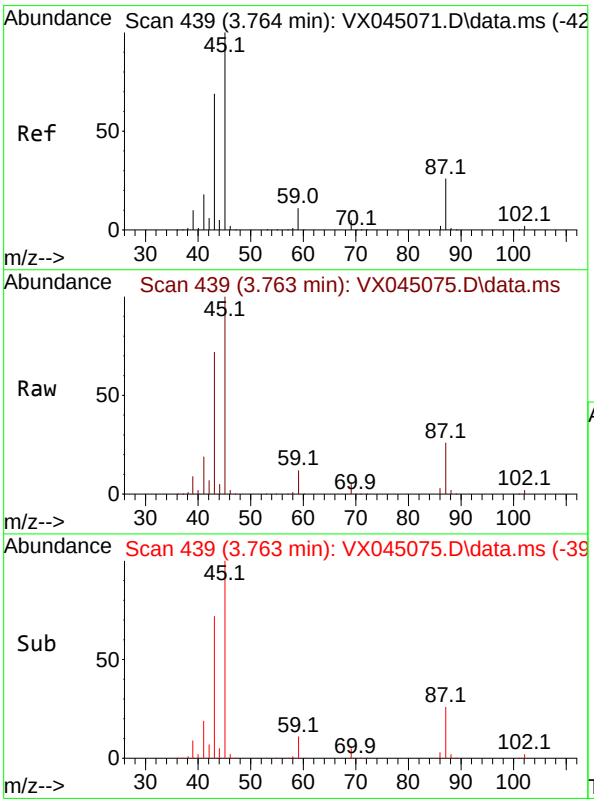
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

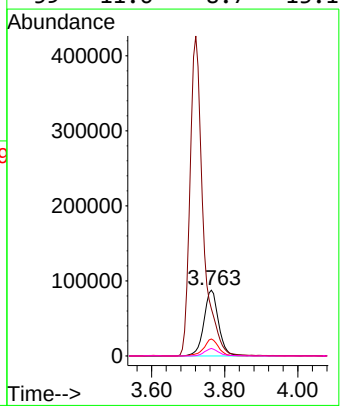
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

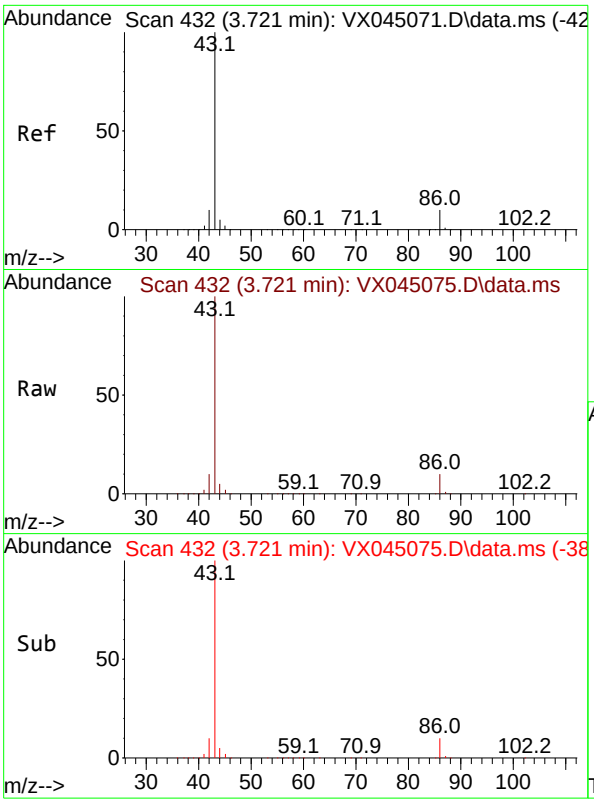


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1

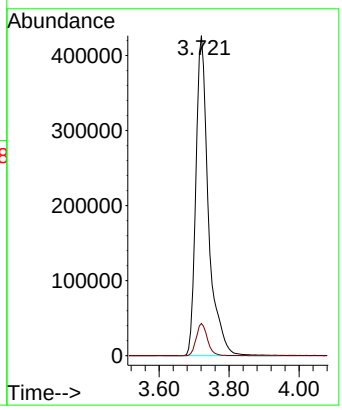




#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

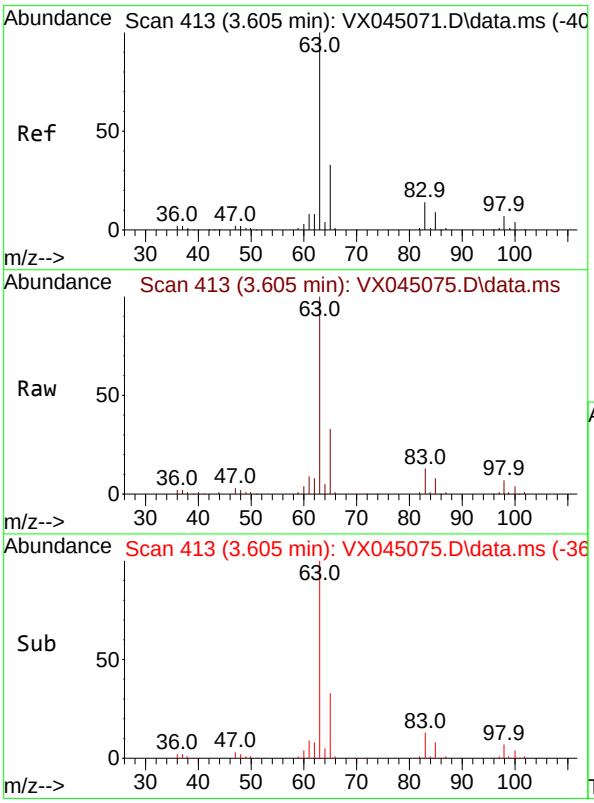
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

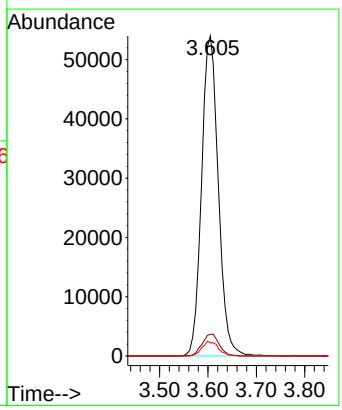
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

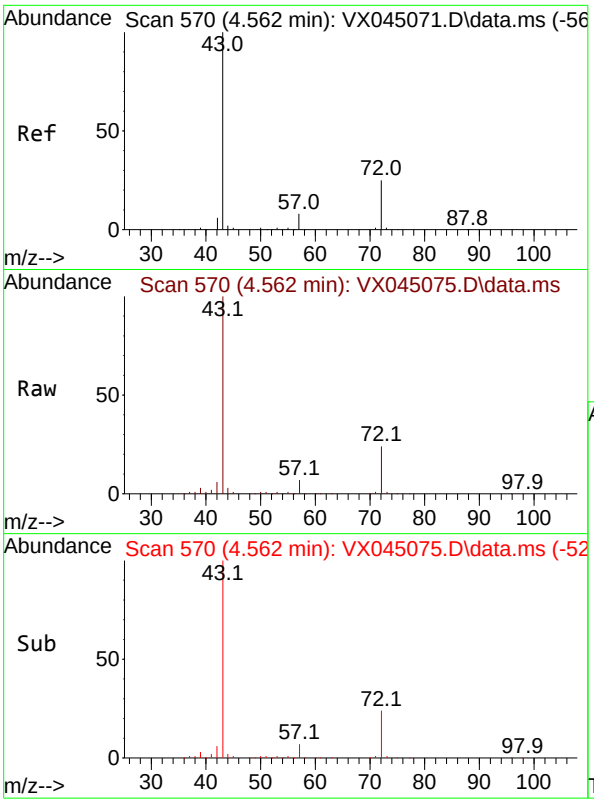


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5

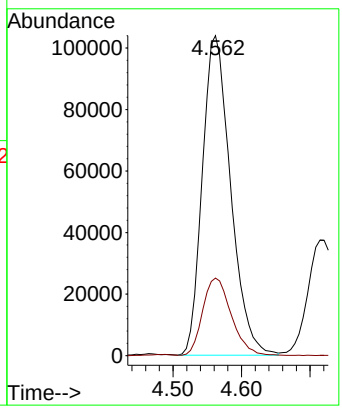




#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 29802

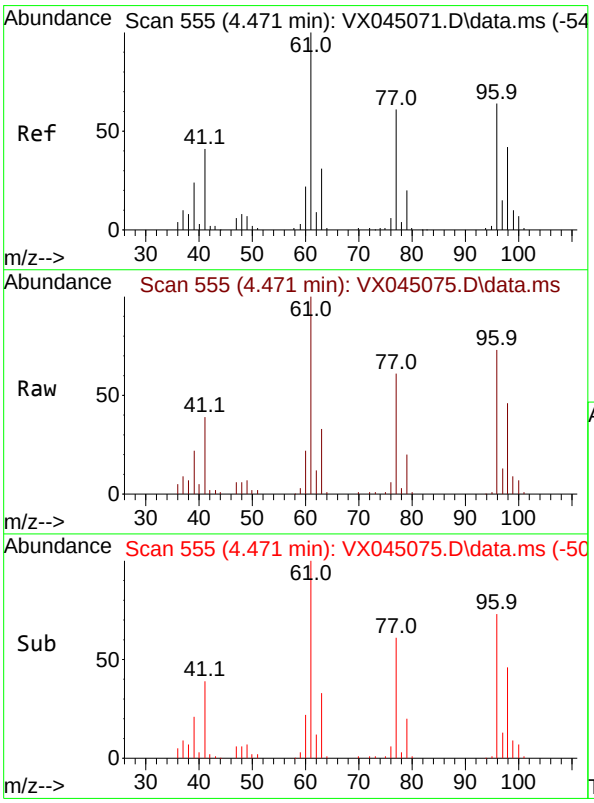
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

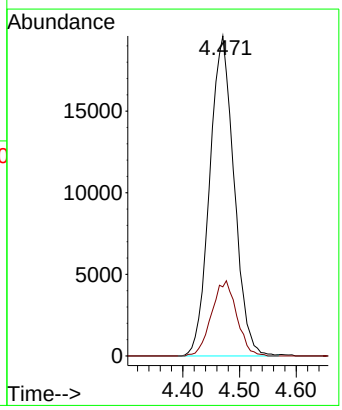
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

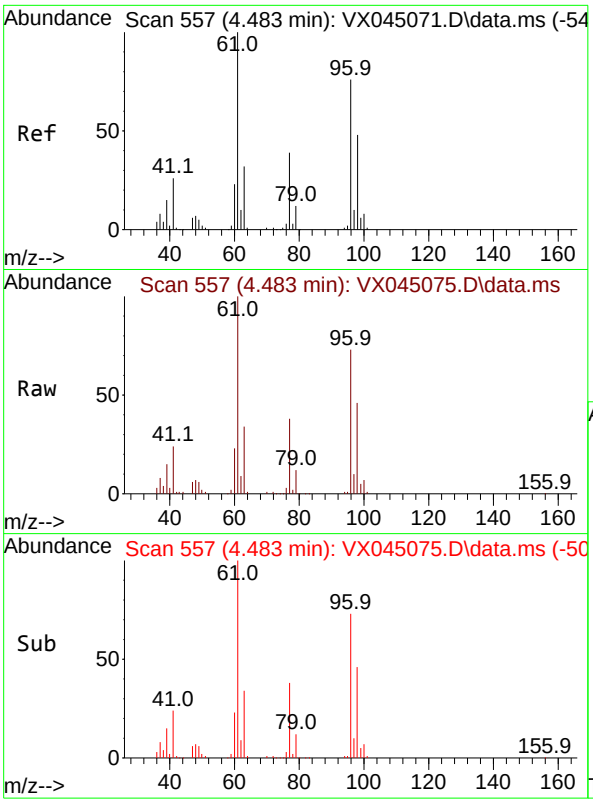


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

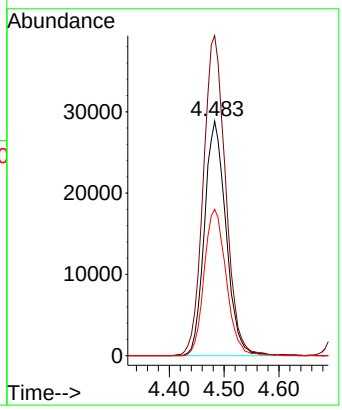




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

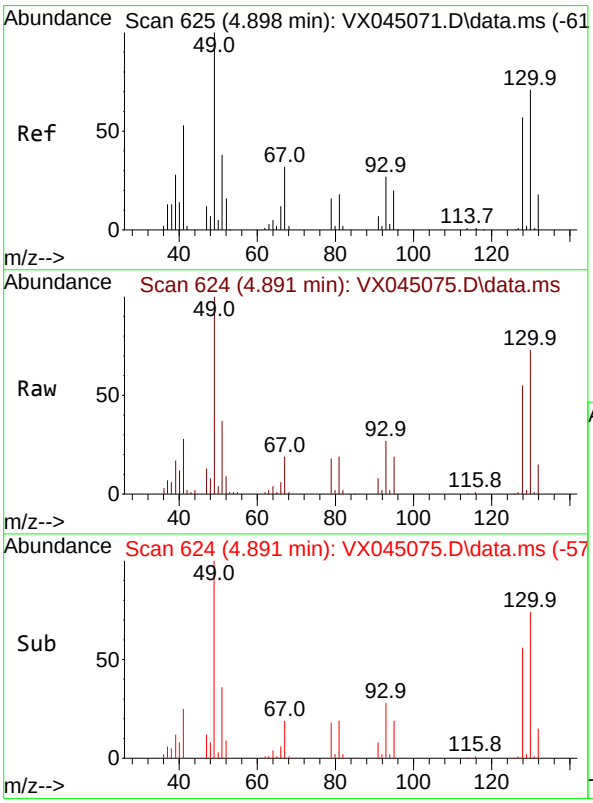
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

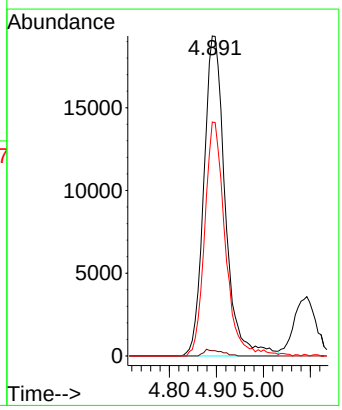
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

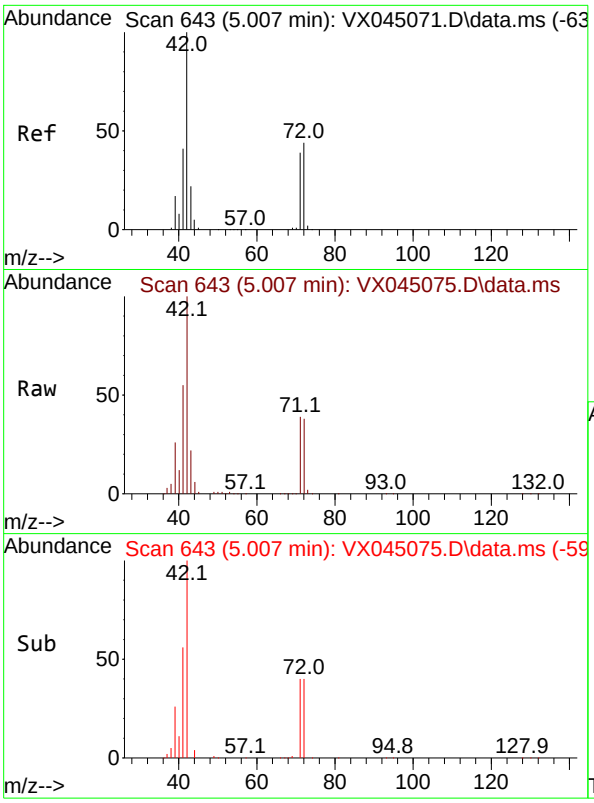


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1

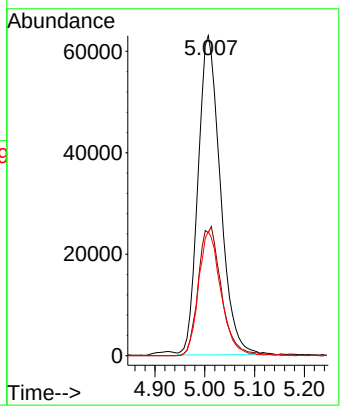




#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

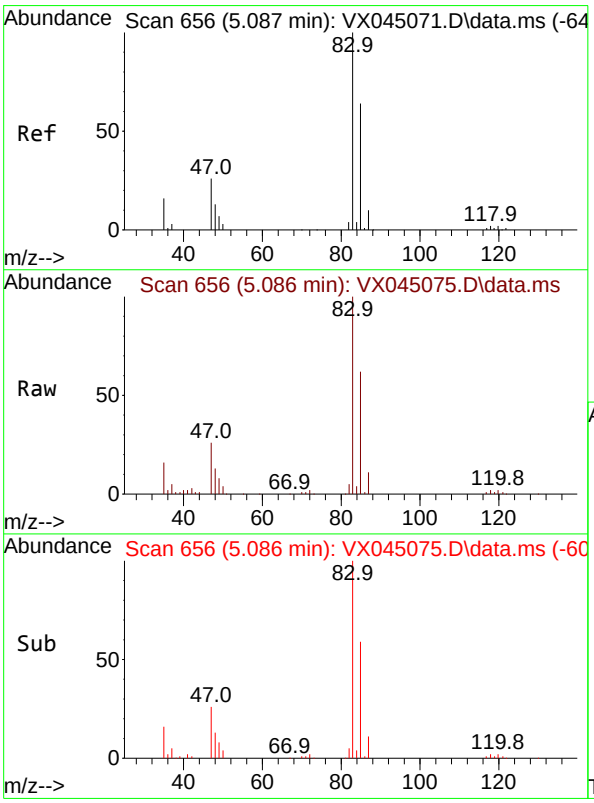
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

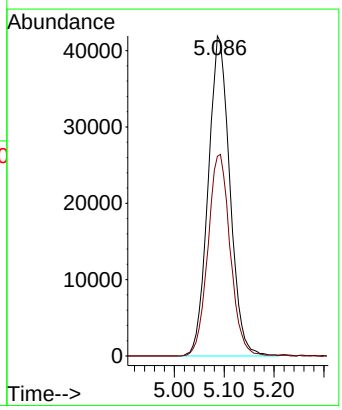
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

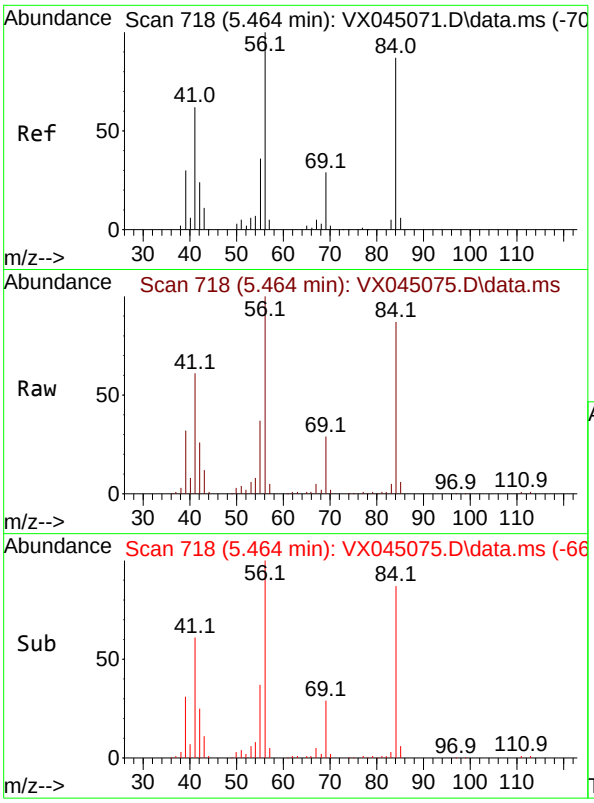


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

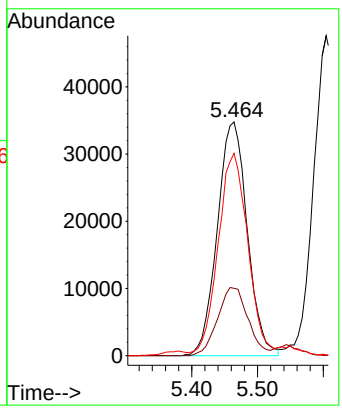




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

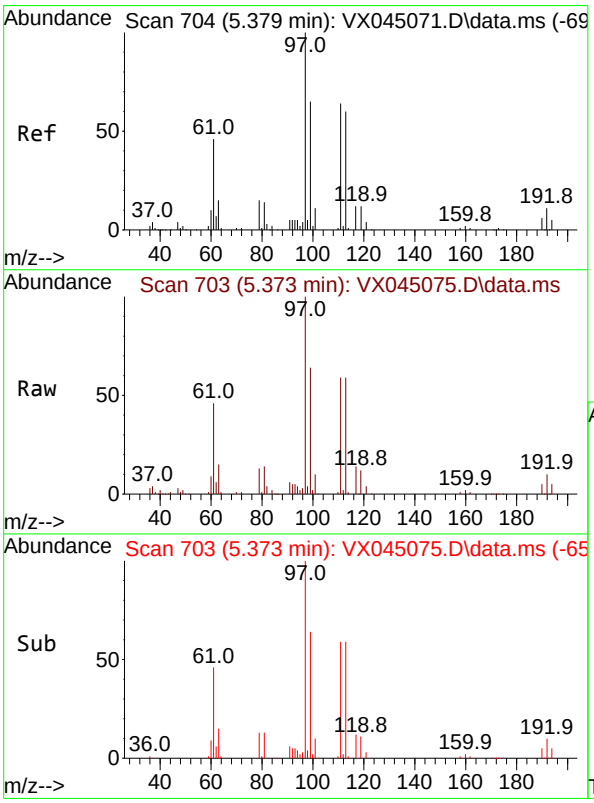
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

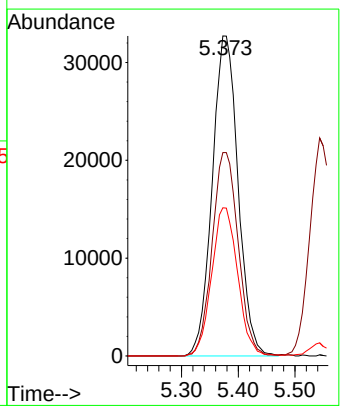
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

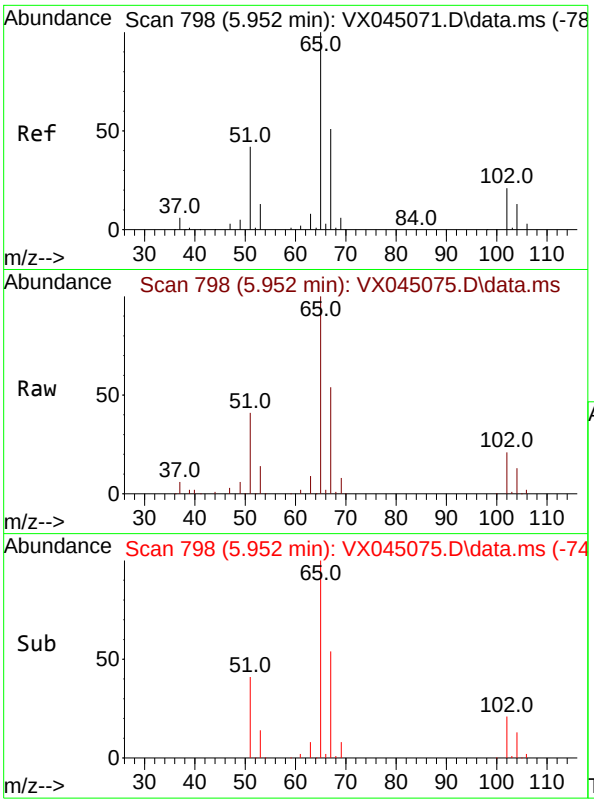


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6

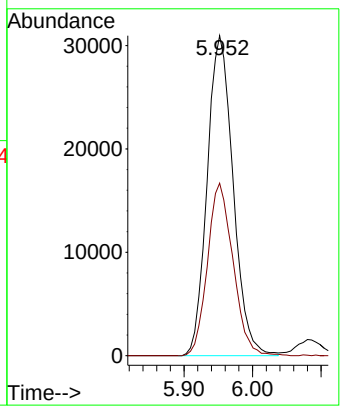




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

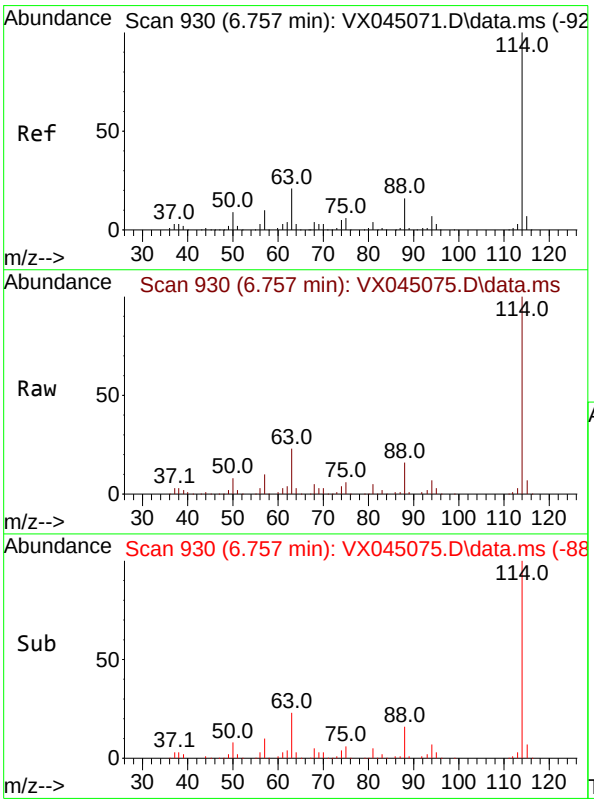
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

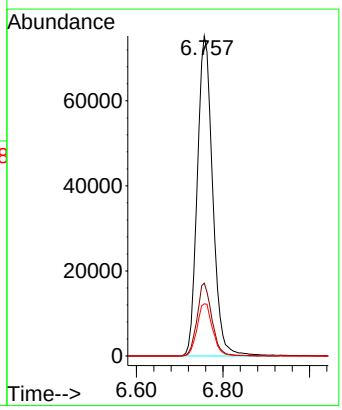
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

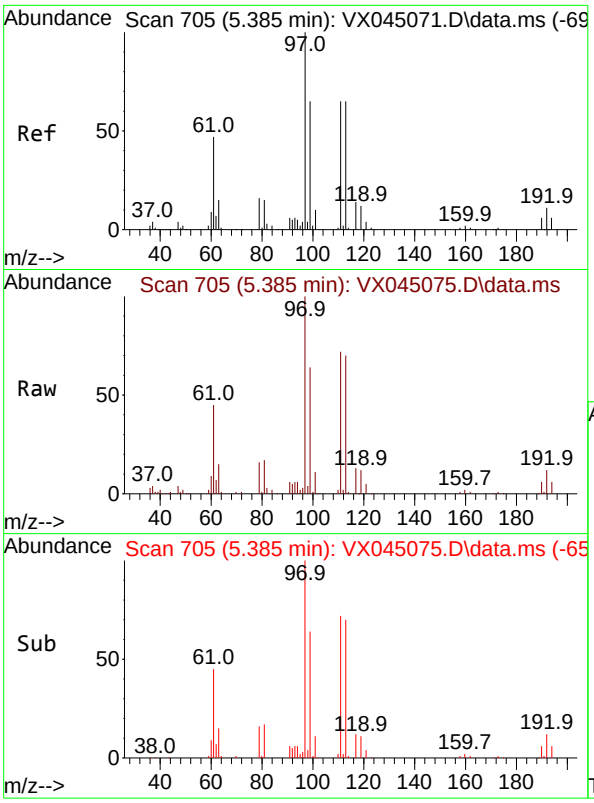


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8

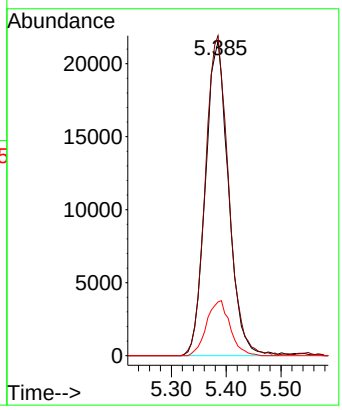




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

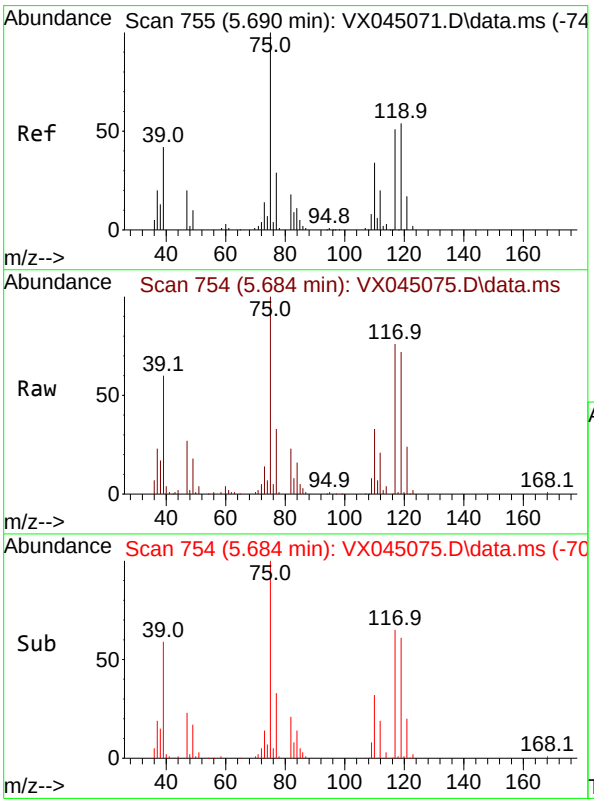
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

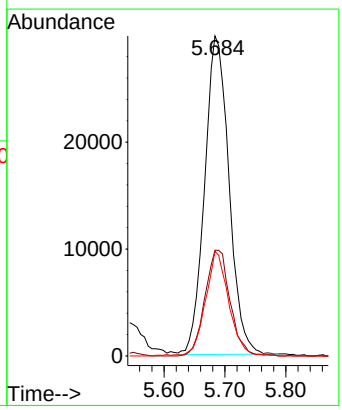
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

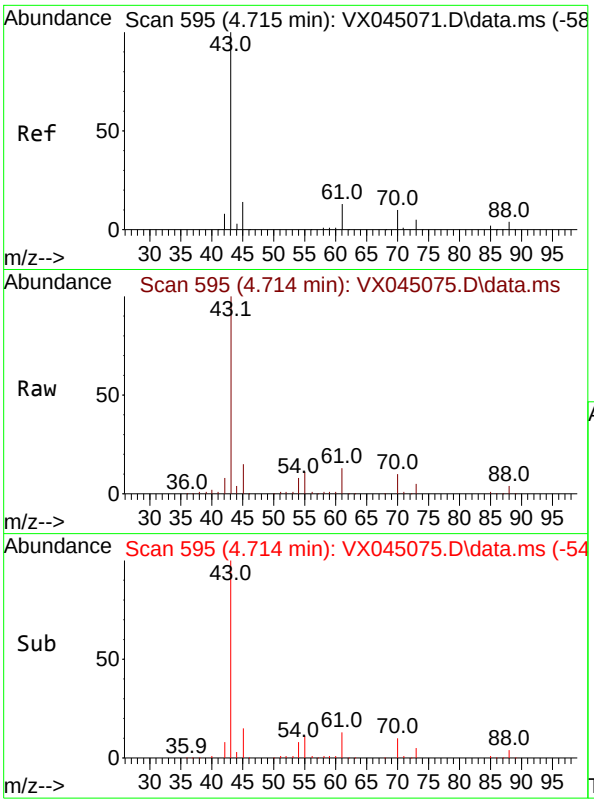


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7





#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

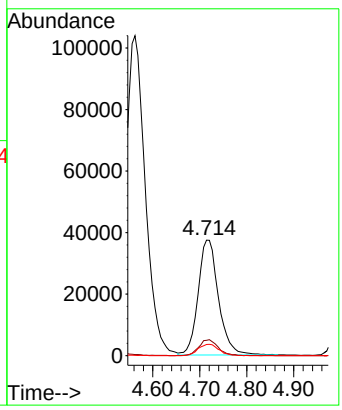
Tgt Ion: 43 Resp: 11276

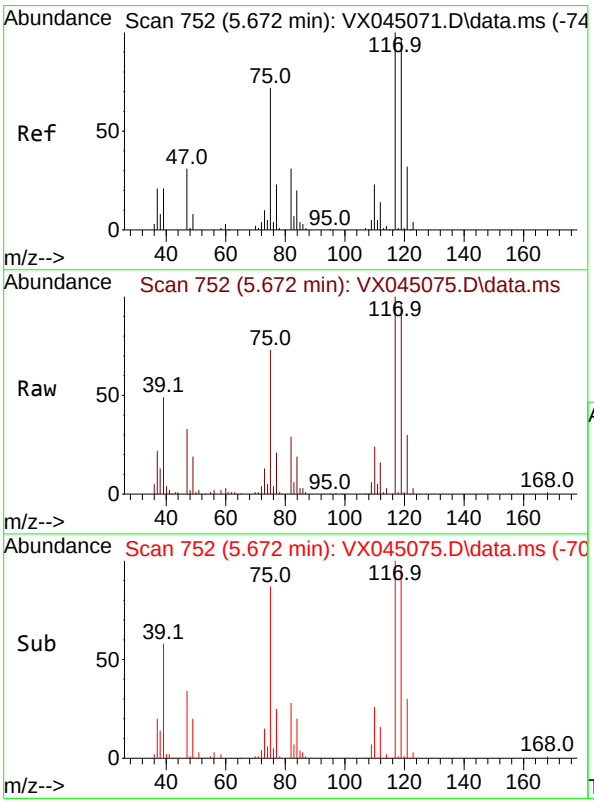
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

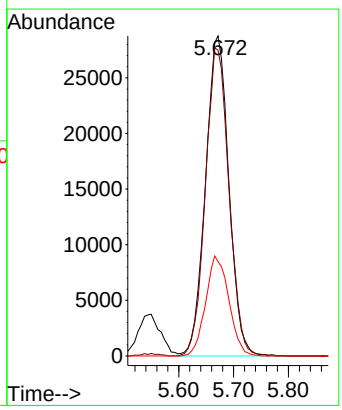


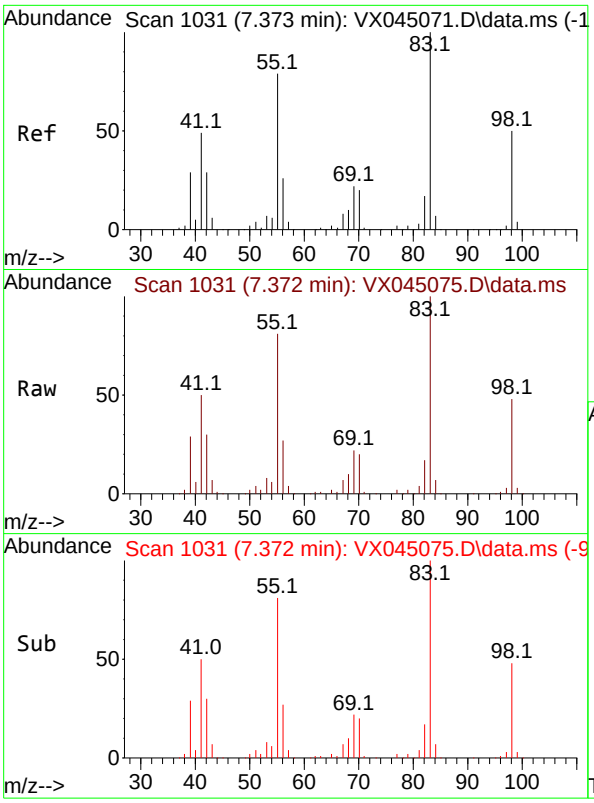


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3

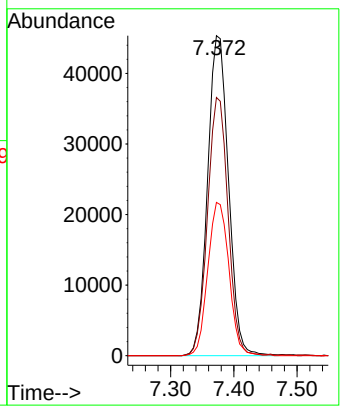




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

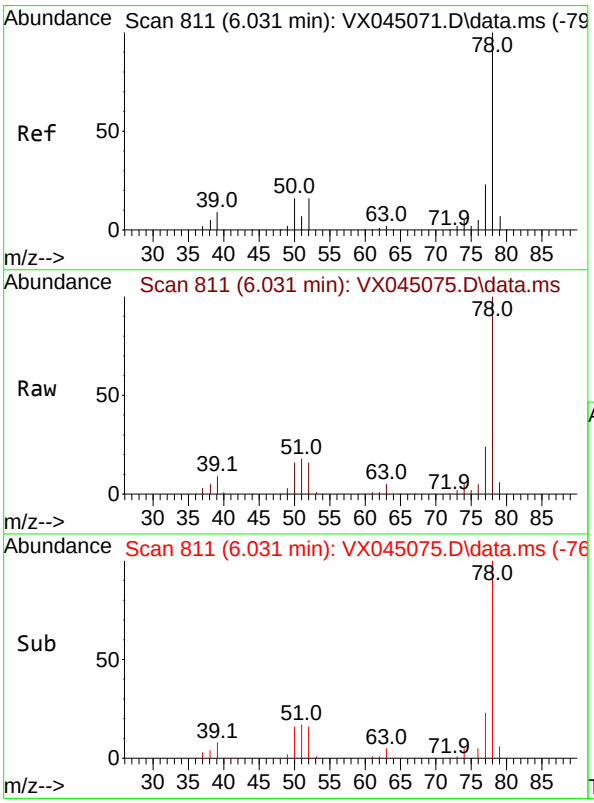
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

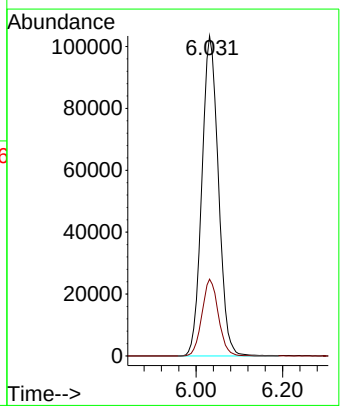
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

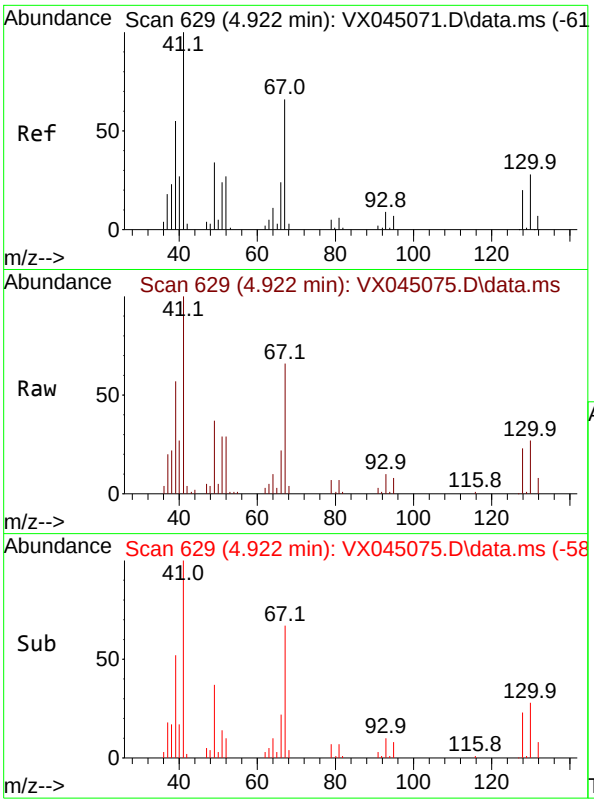


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

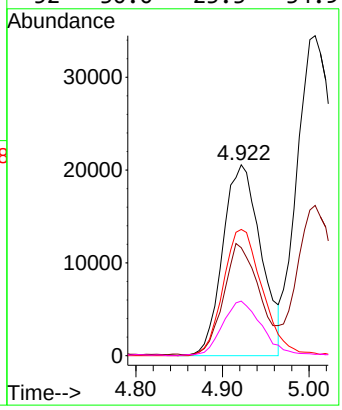




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

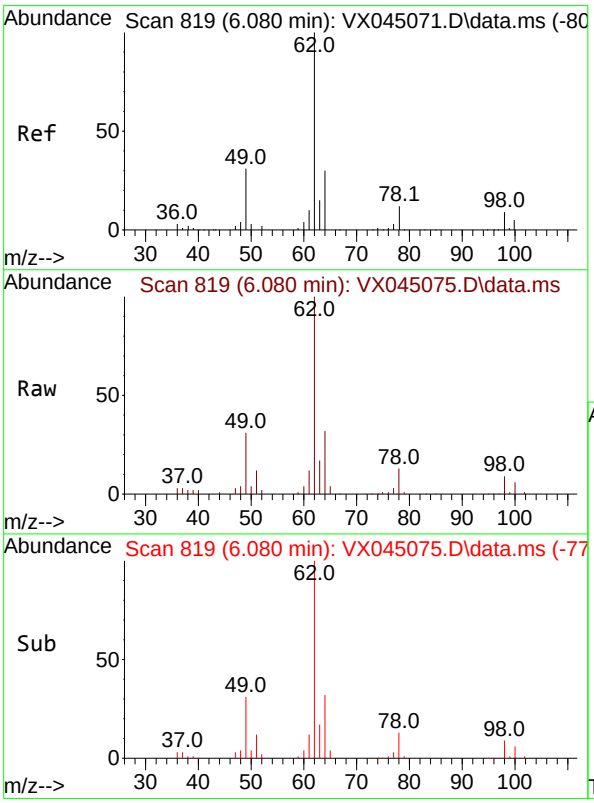
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

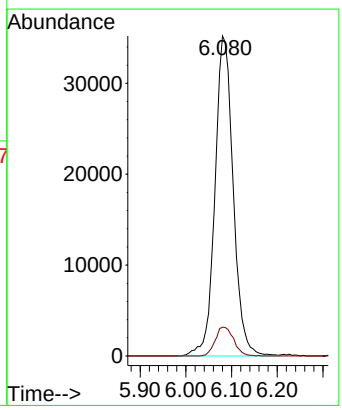
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

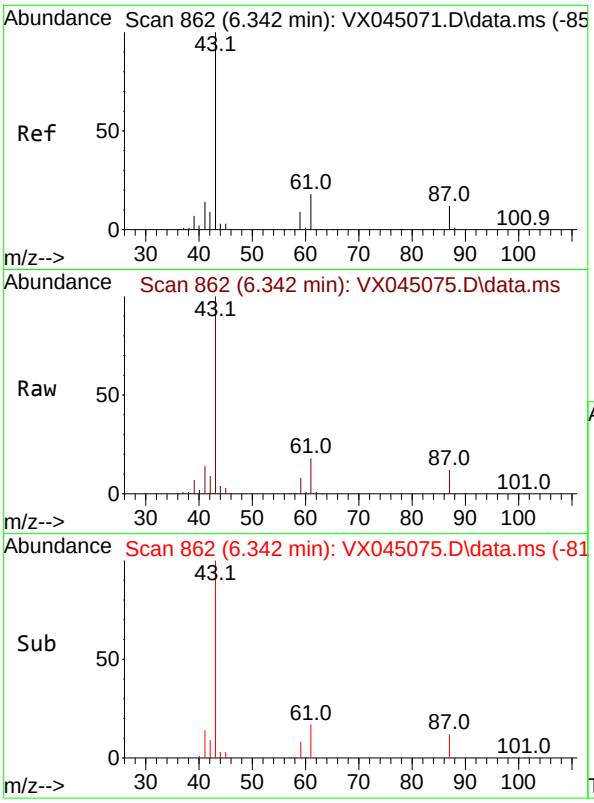


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

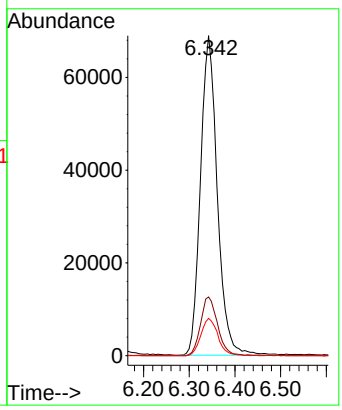




#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 17598

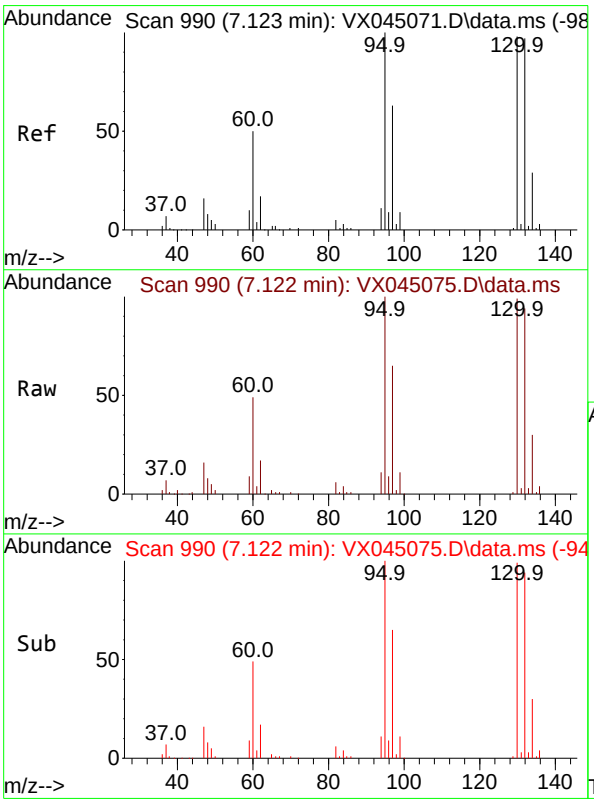
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

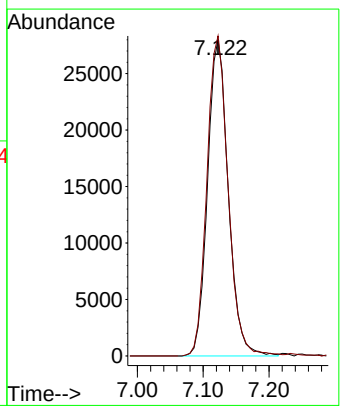
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

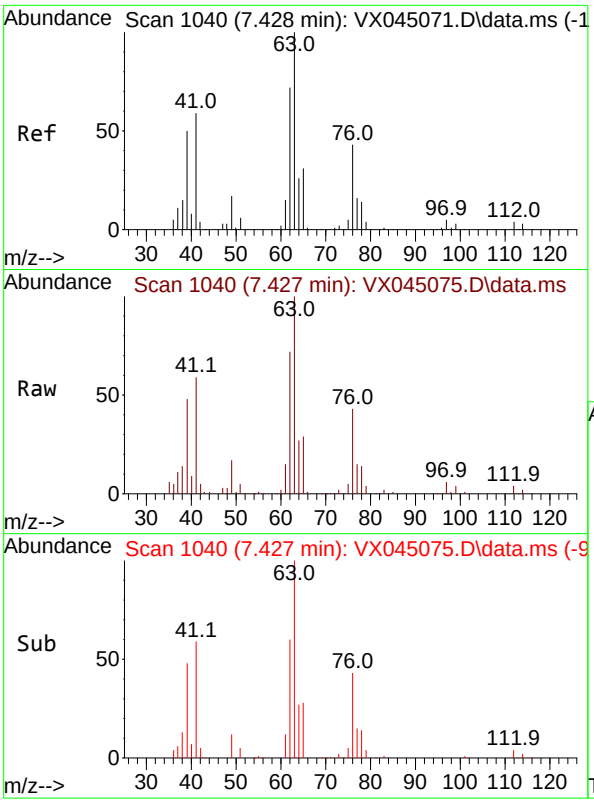


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

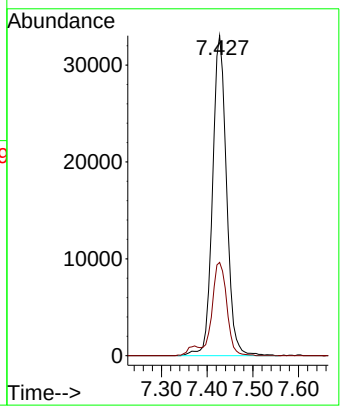




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

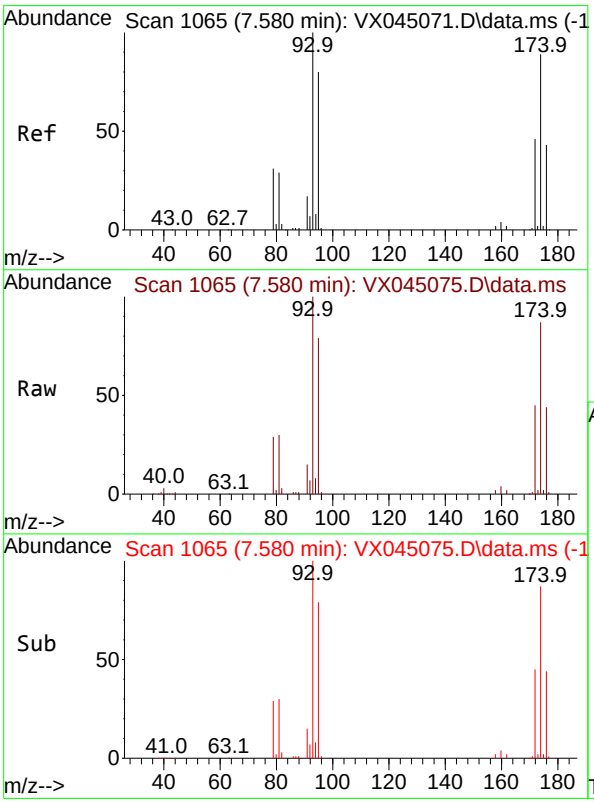
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

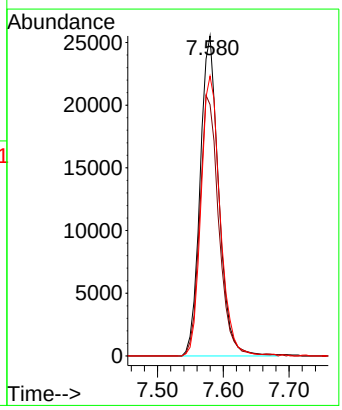
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

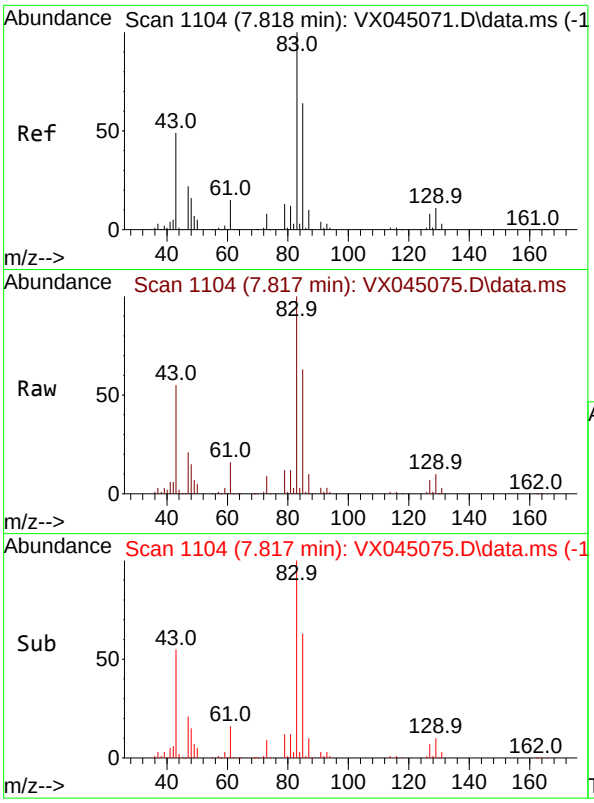


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2

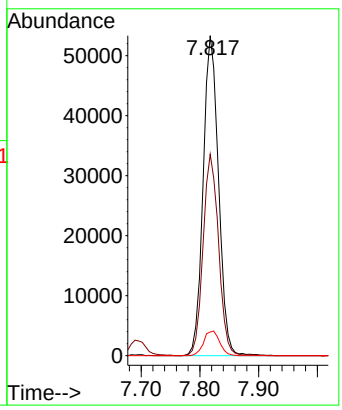




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

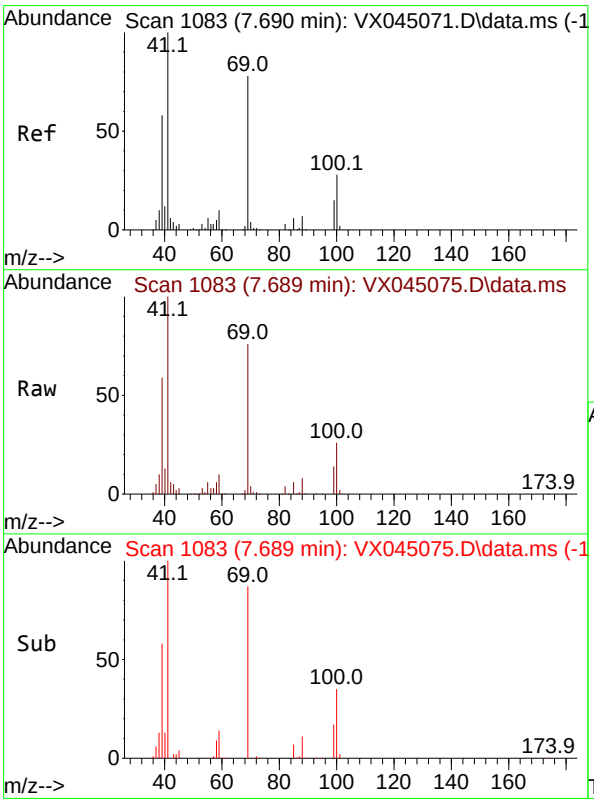
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

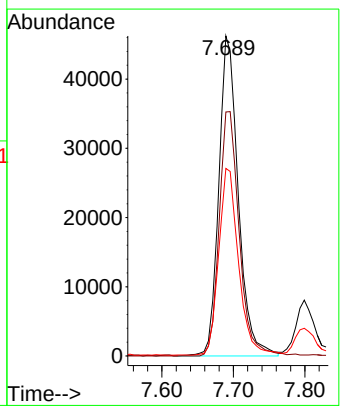
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

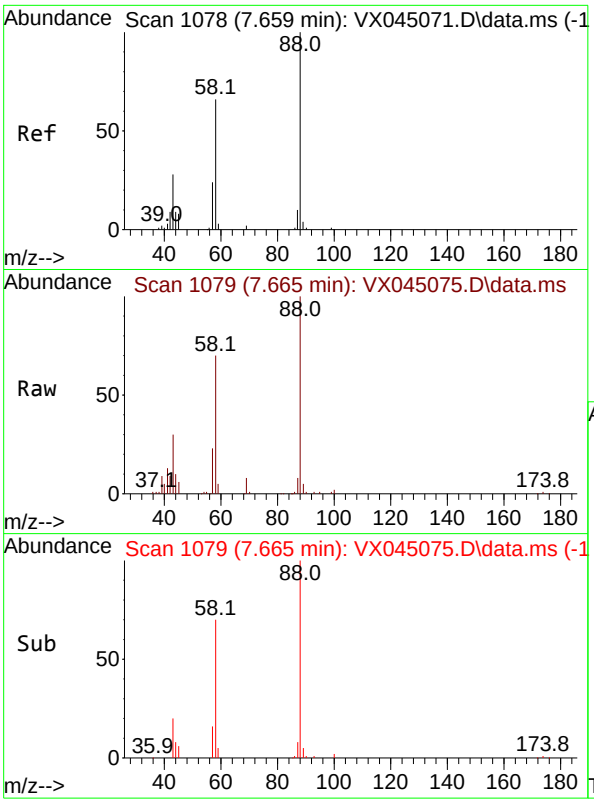


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

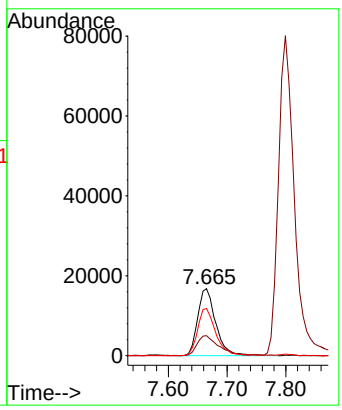
Tgt Ion: 88 Resp: 3587

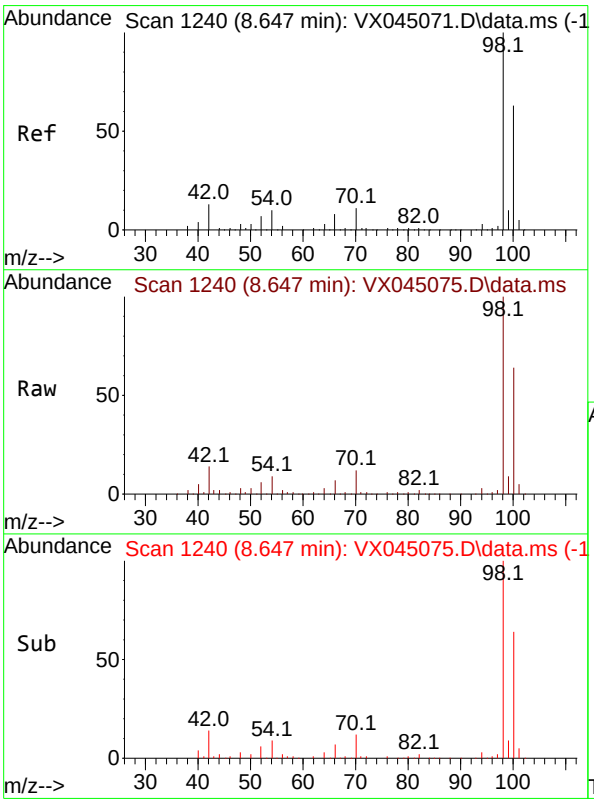
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

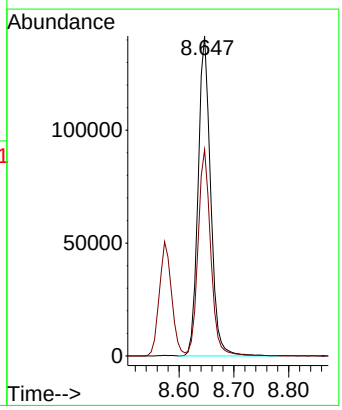


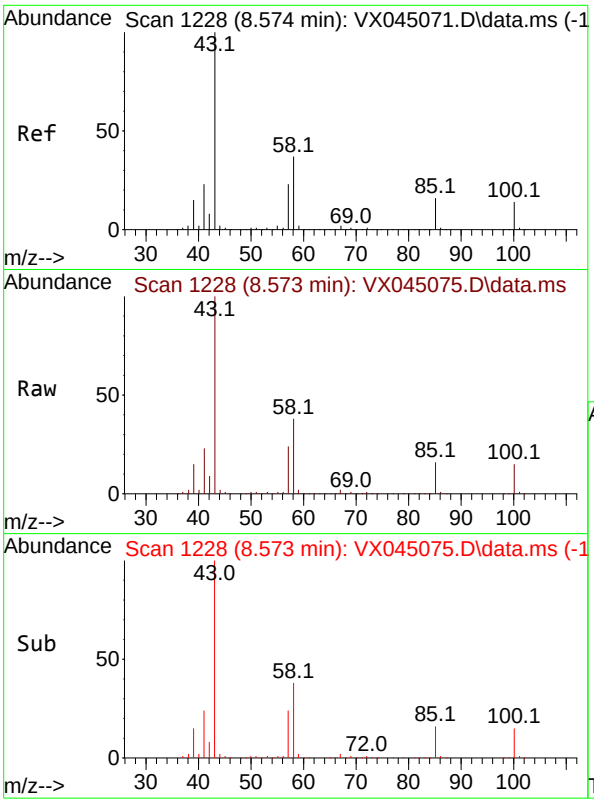


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

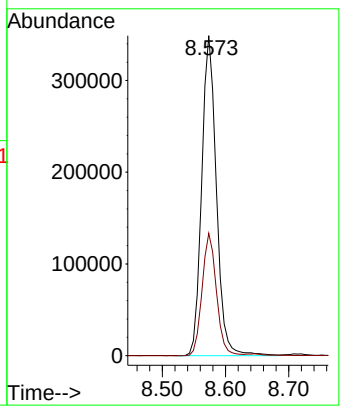




#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 56419

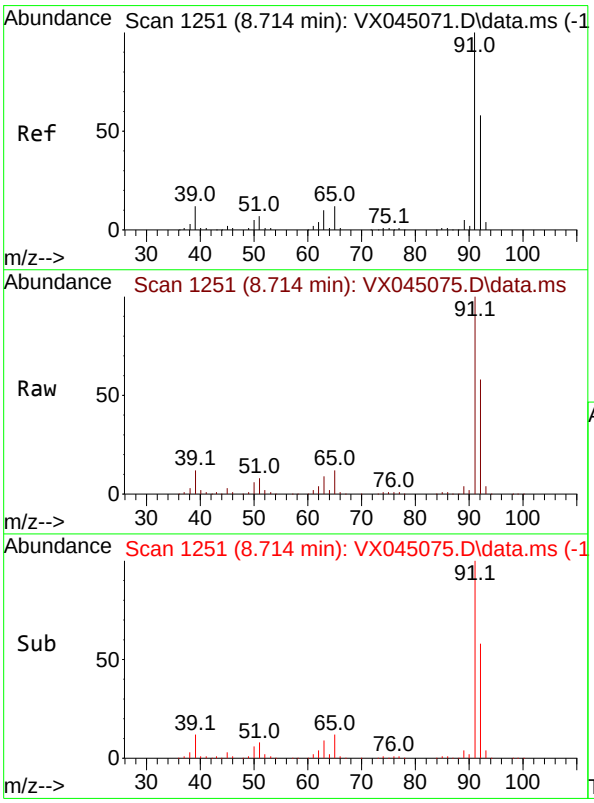
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

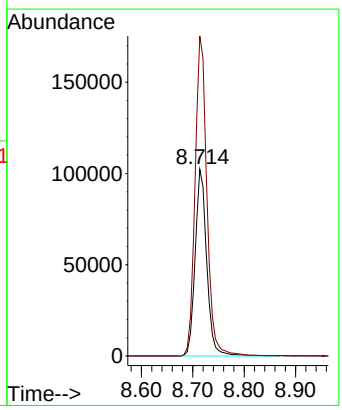
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

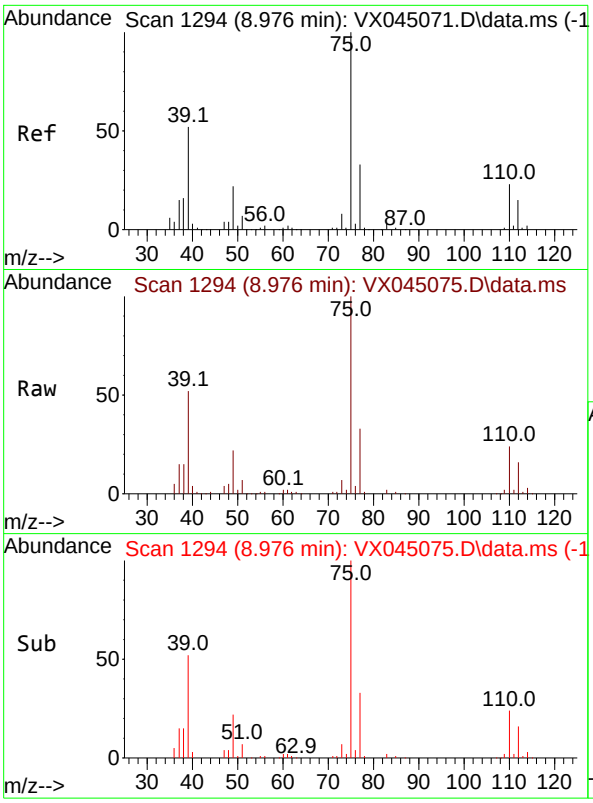


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

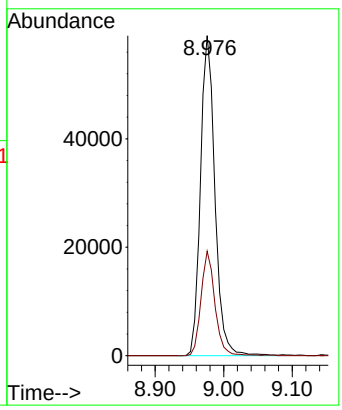




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

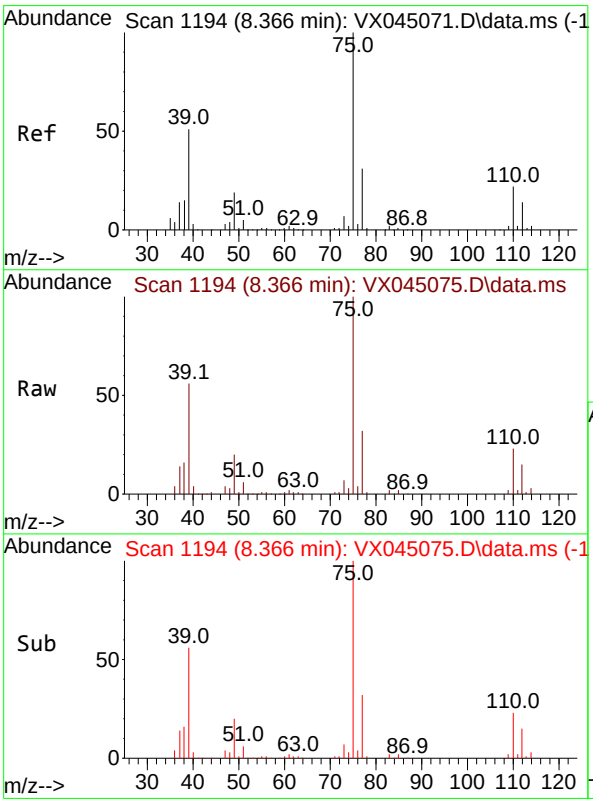
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

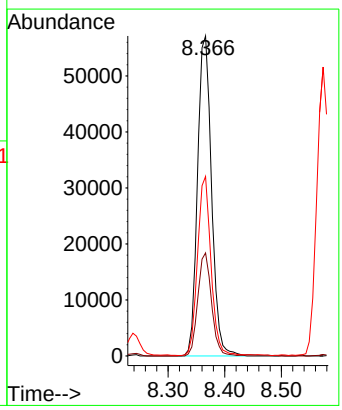
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

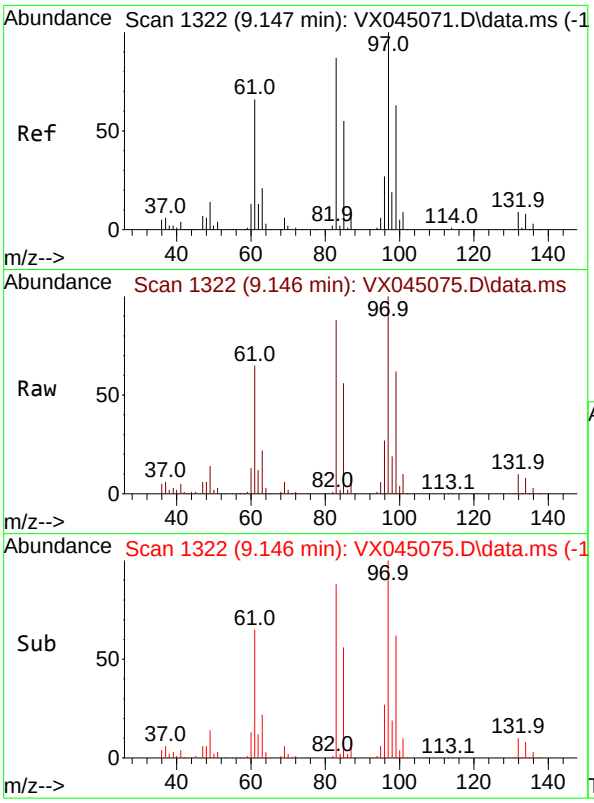


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1

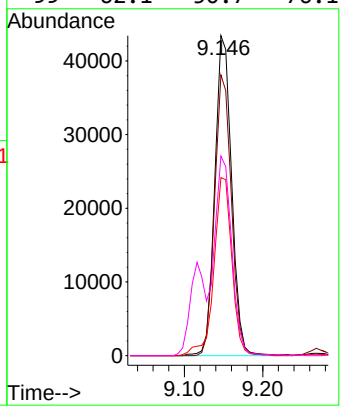




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

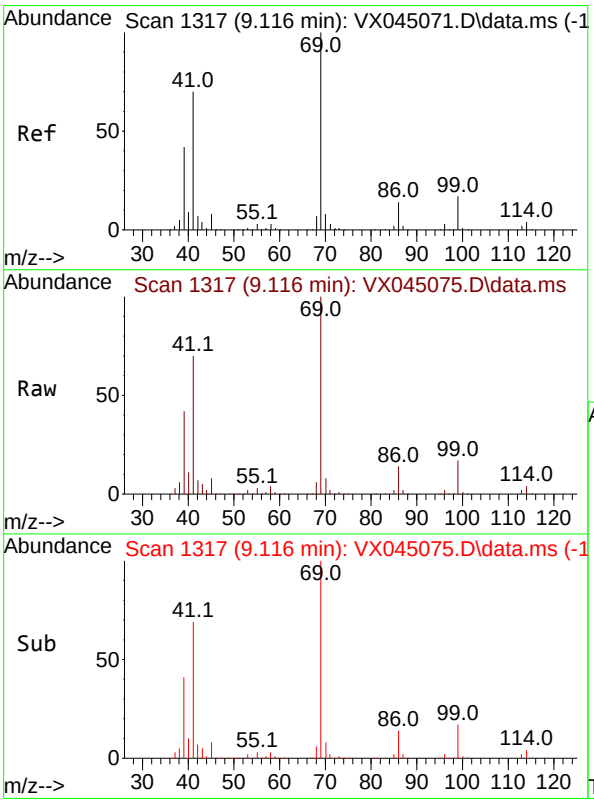
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

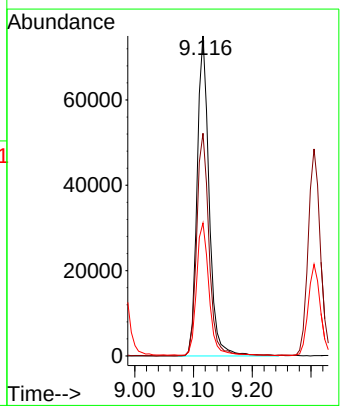
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

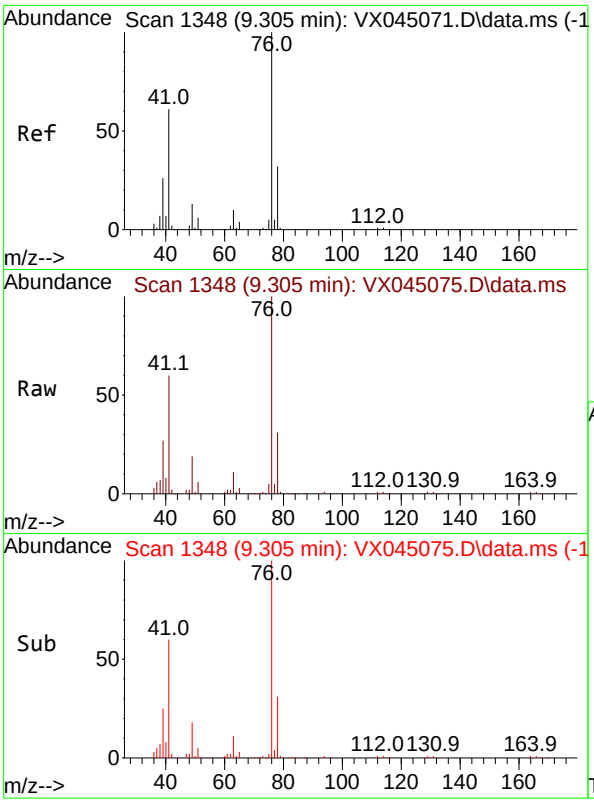


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4

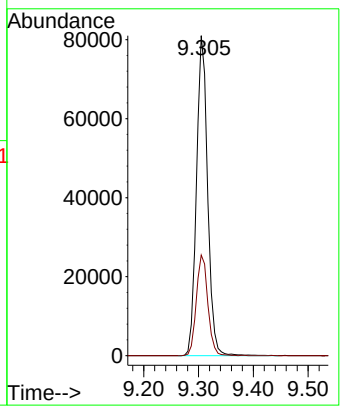




#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 11488

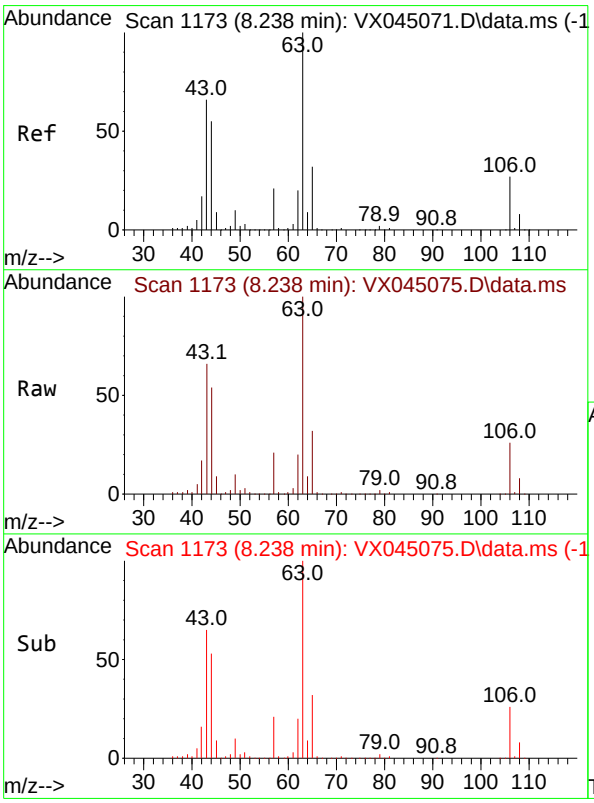
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

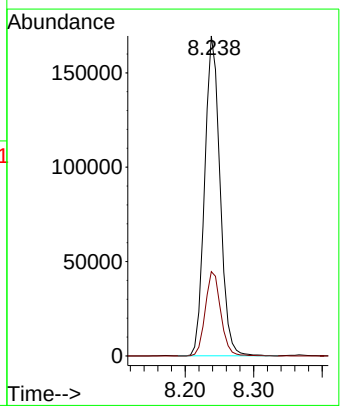
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

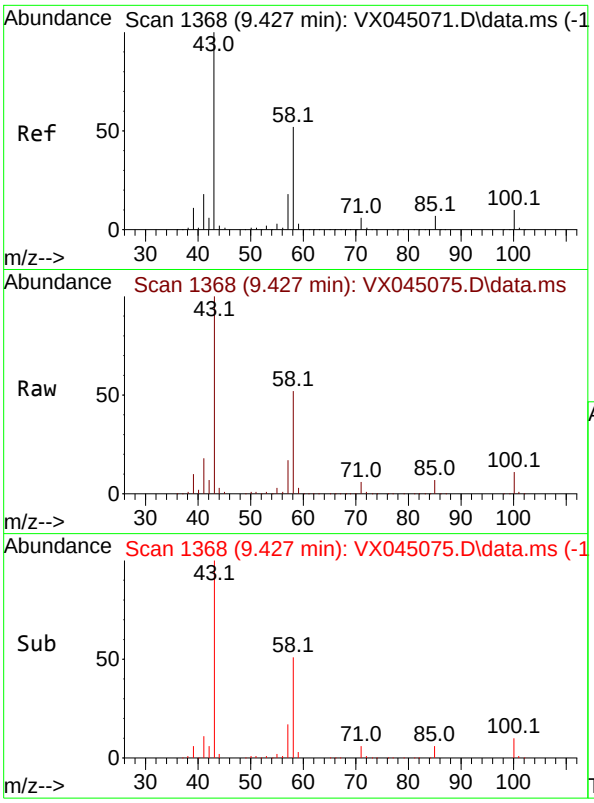


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

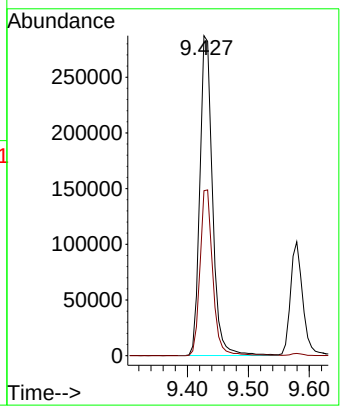




#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 41673

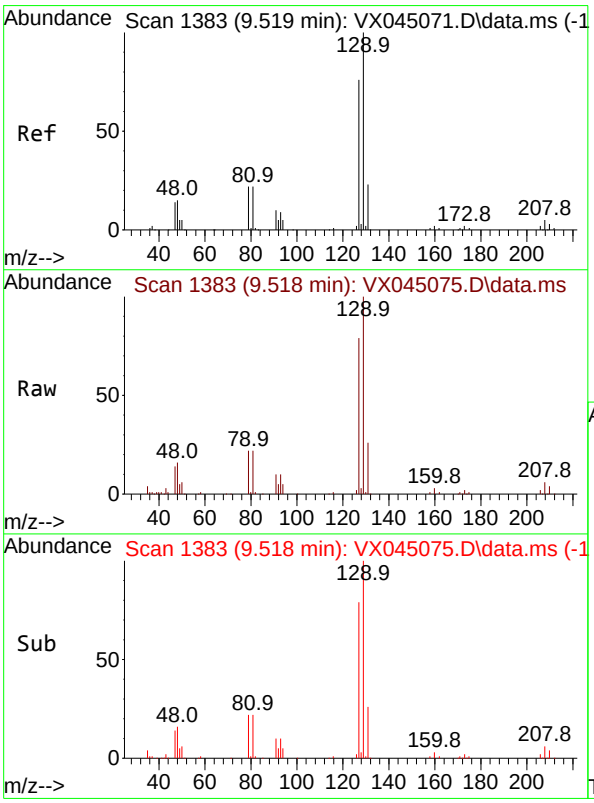
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

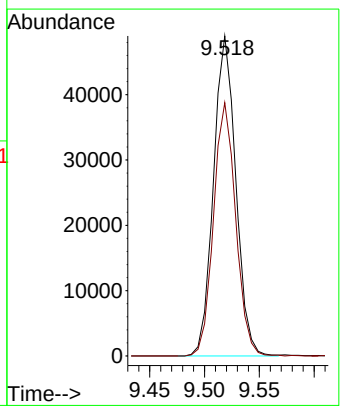
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

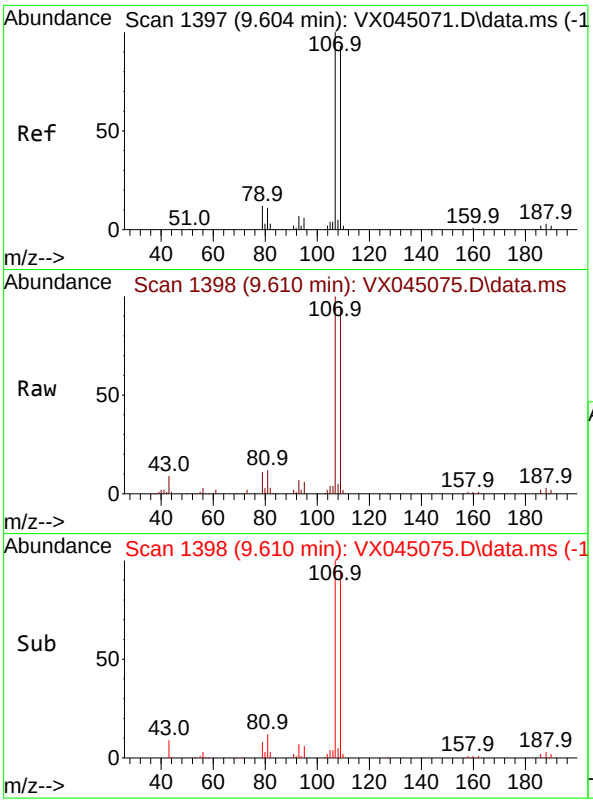


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

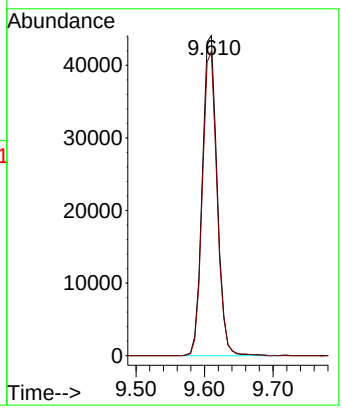




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

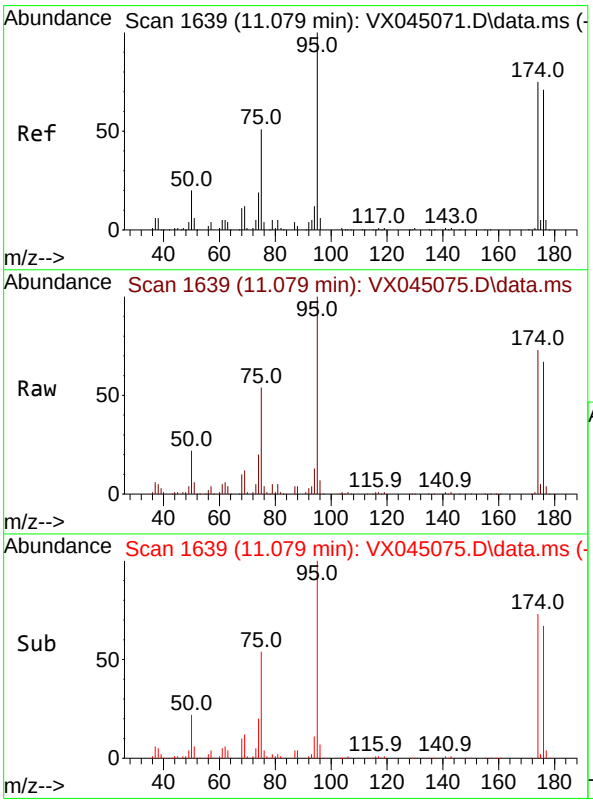
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

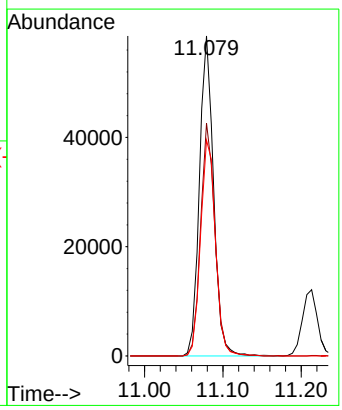
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

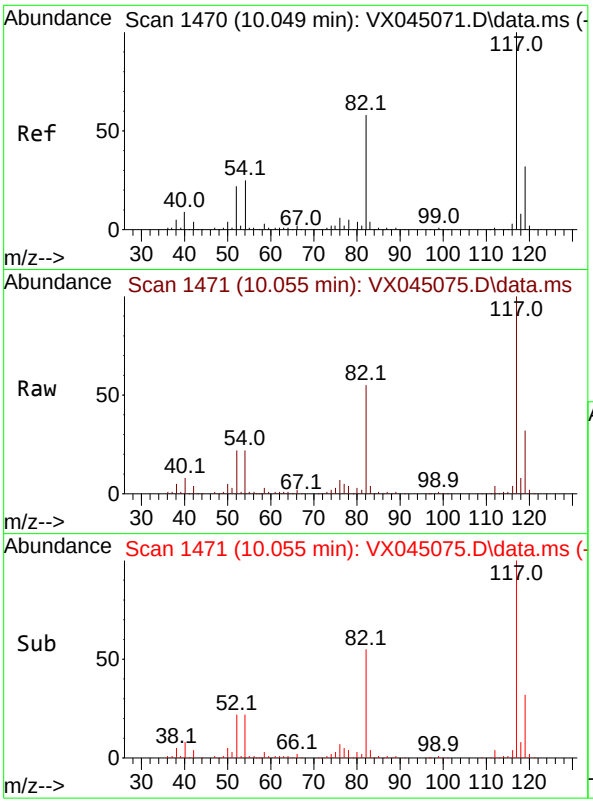


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4

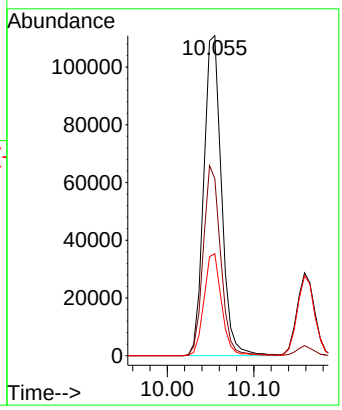




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

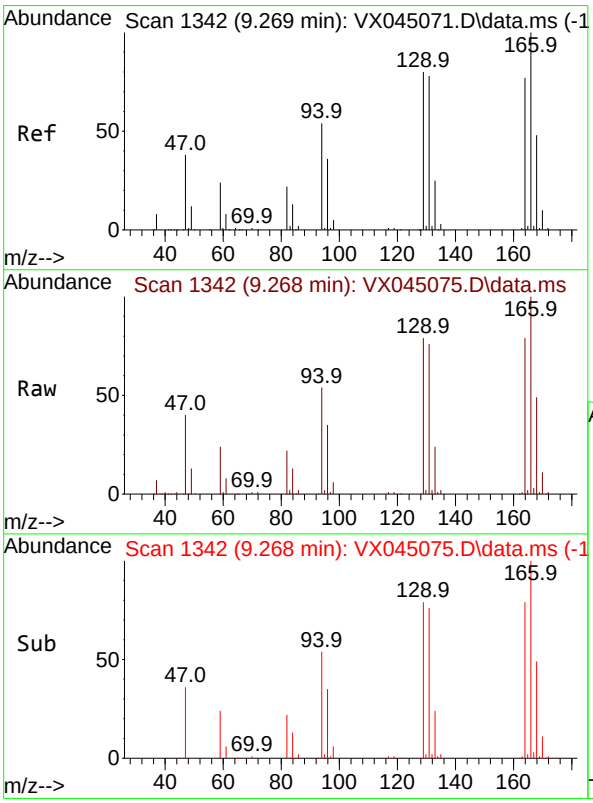
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

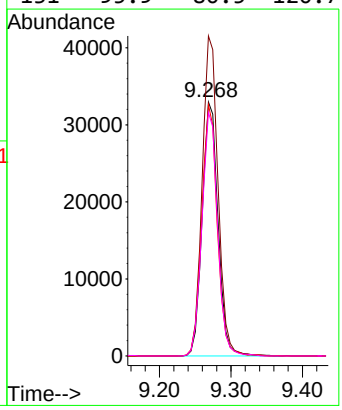
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

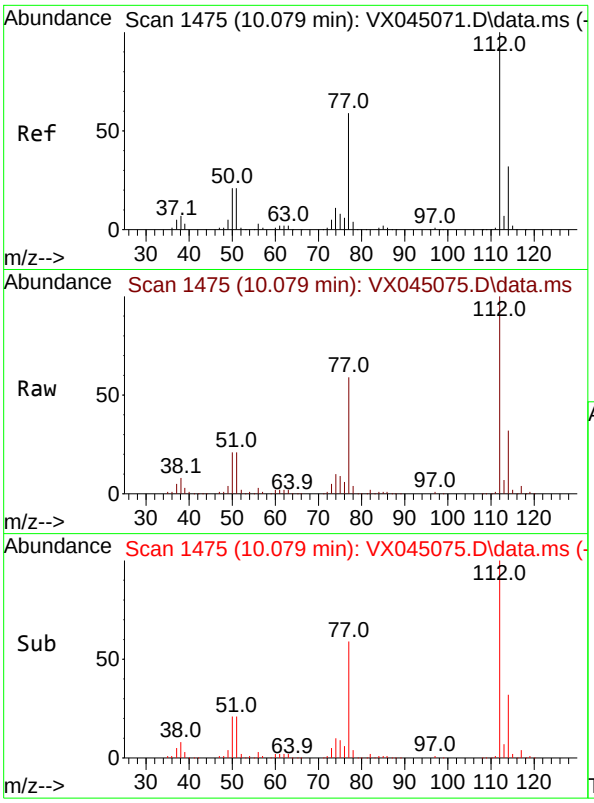


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7

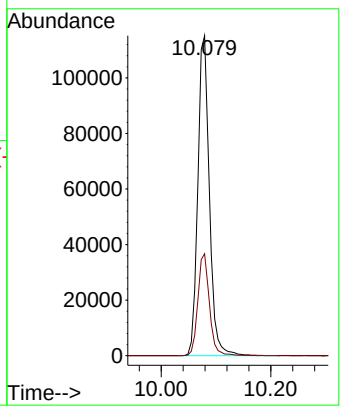




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

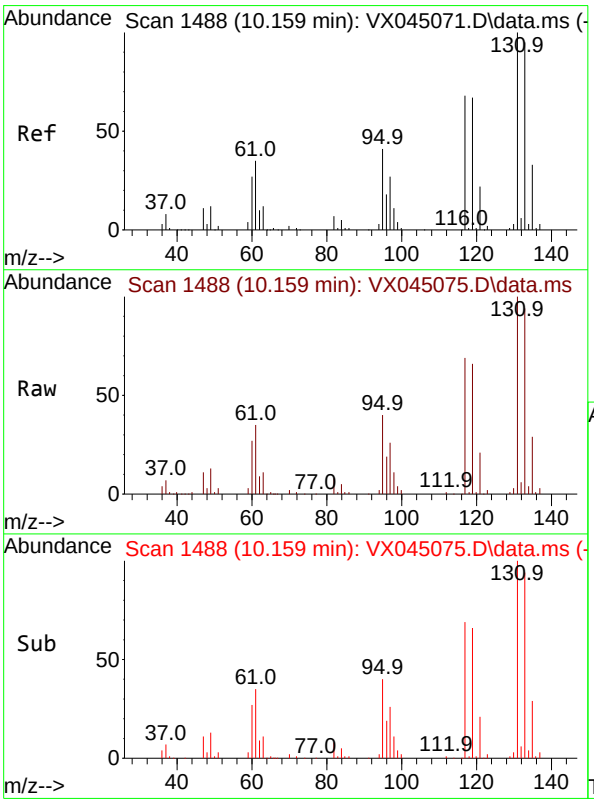
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

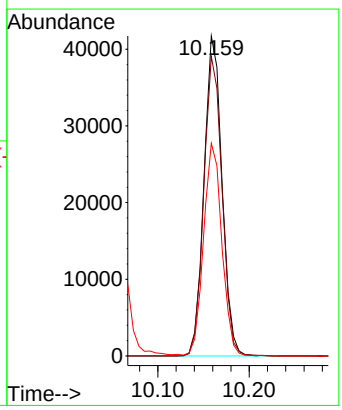
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

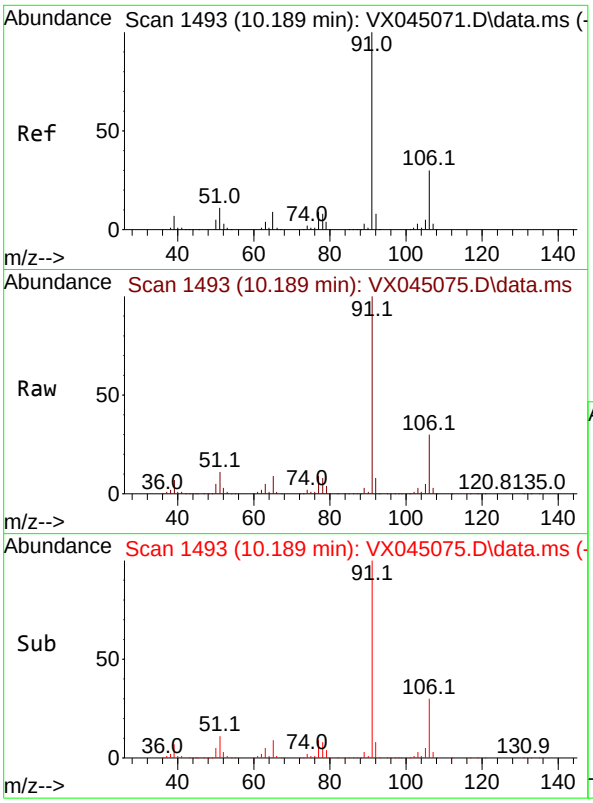


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7

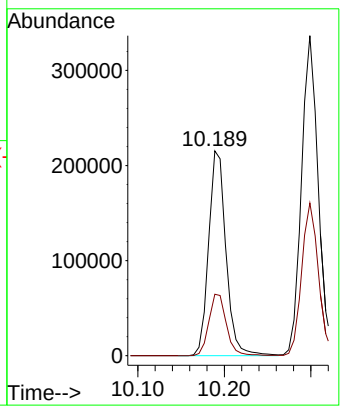




#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

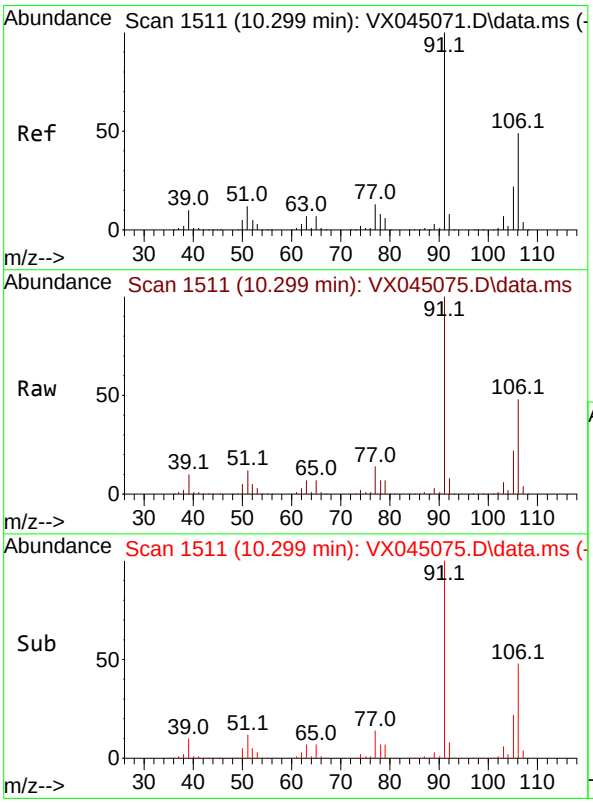
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

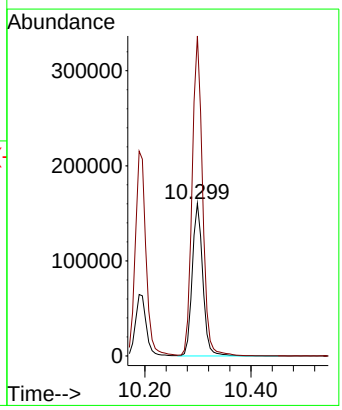
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

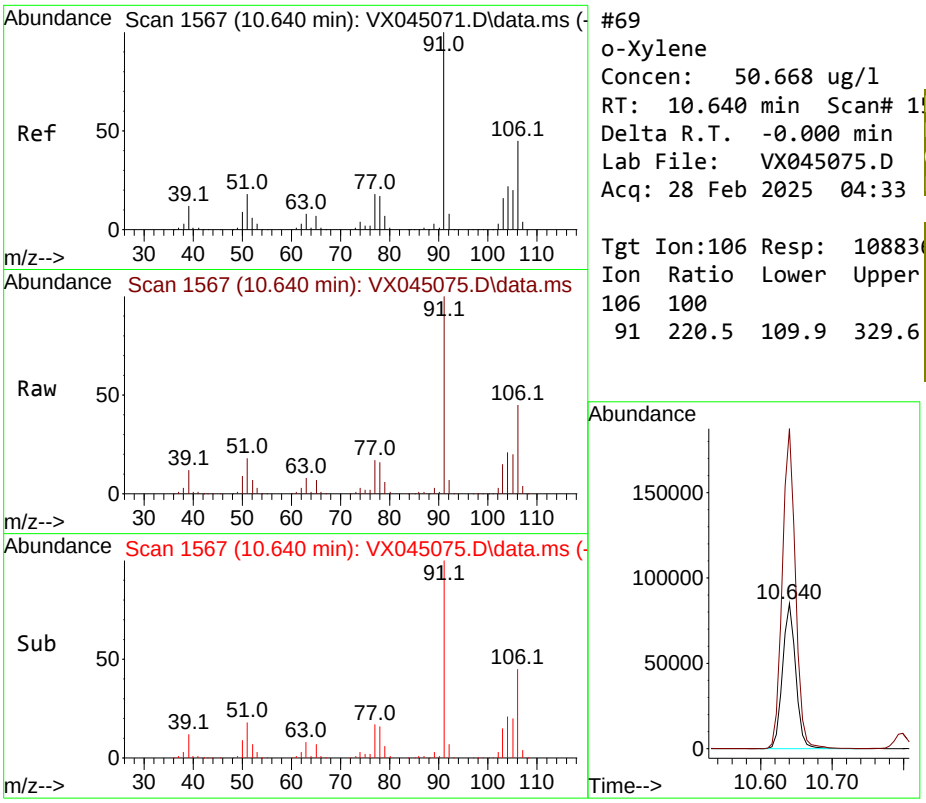


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0





#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

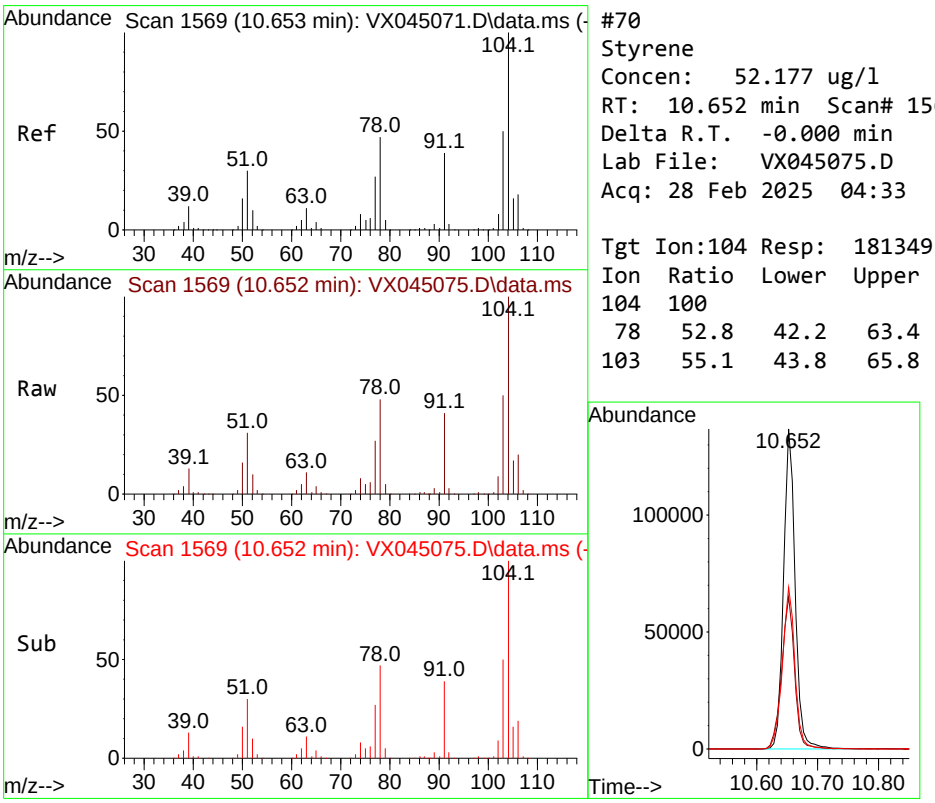
Tgt Ion:106 Resp: 10883

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

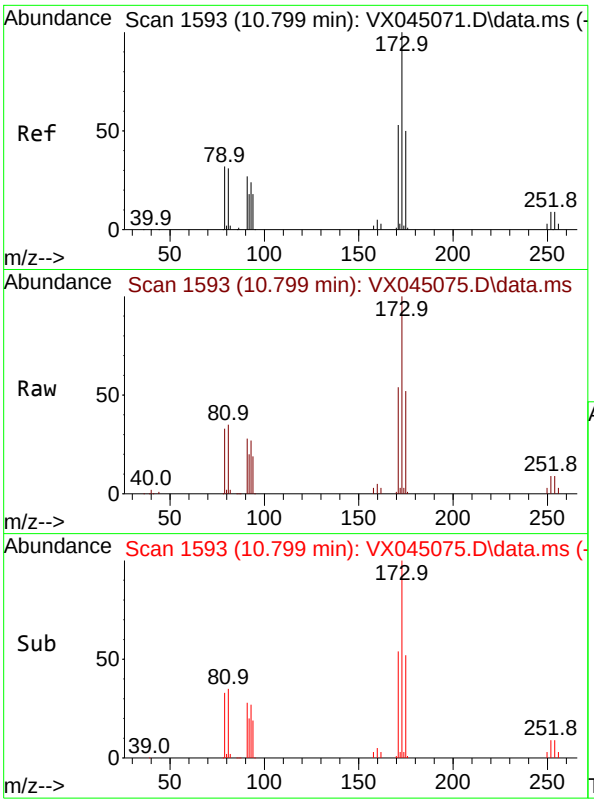
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

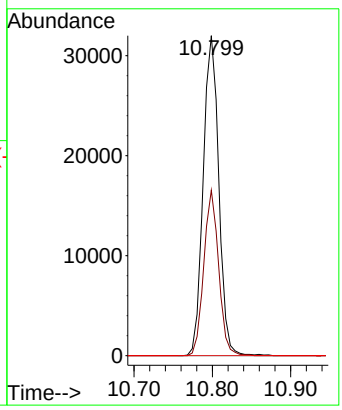
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

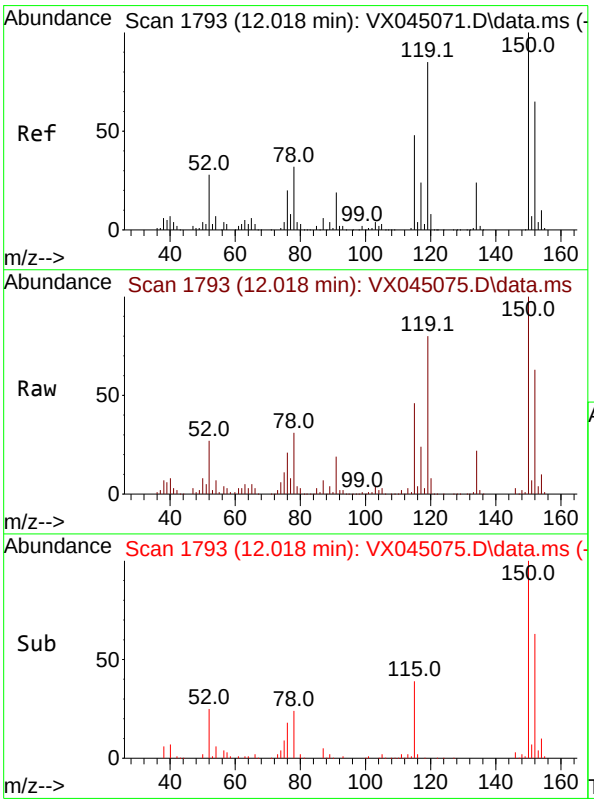
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

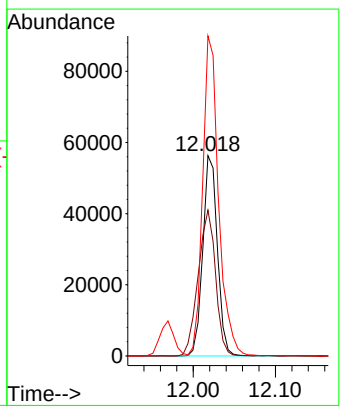
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

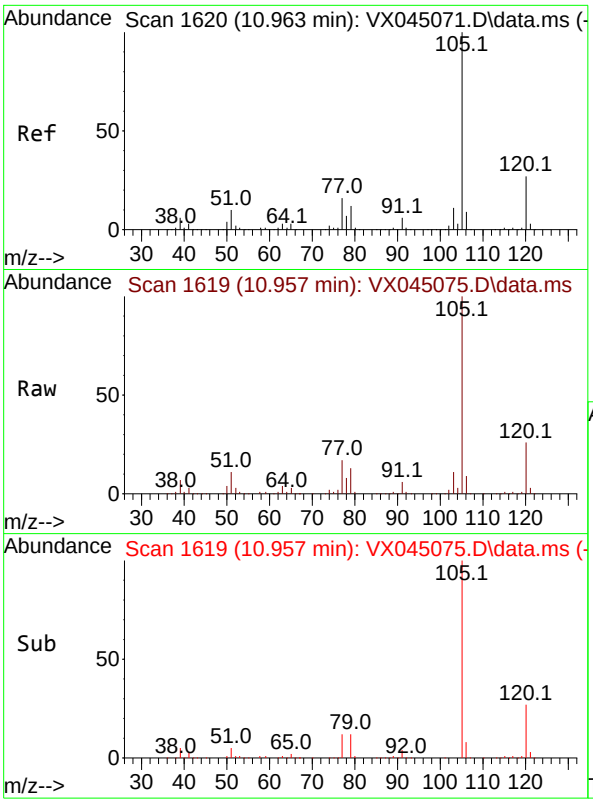


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0

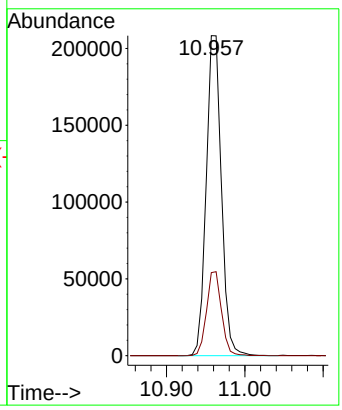




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

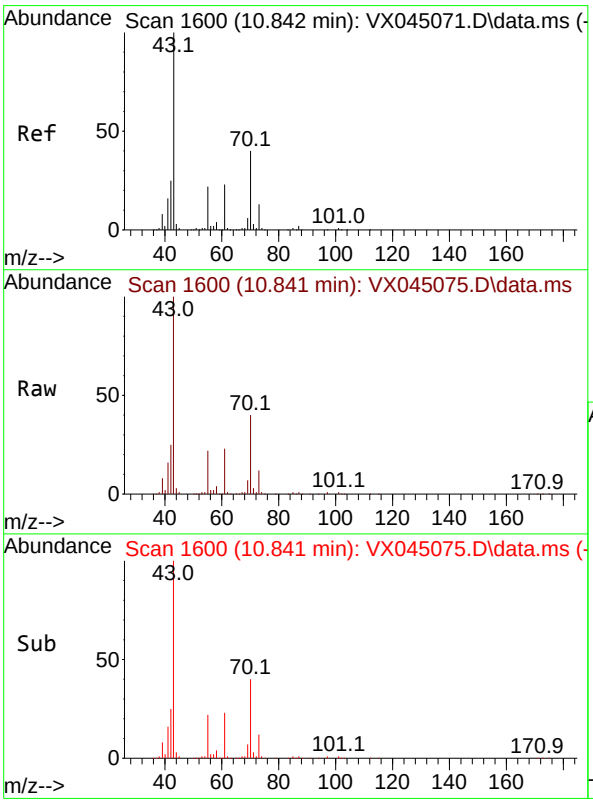
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

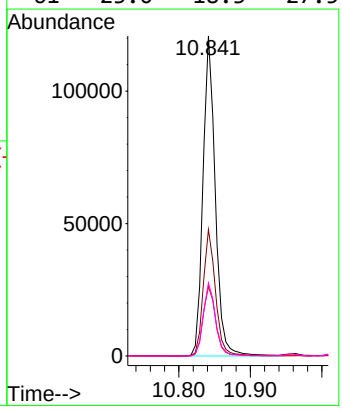
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

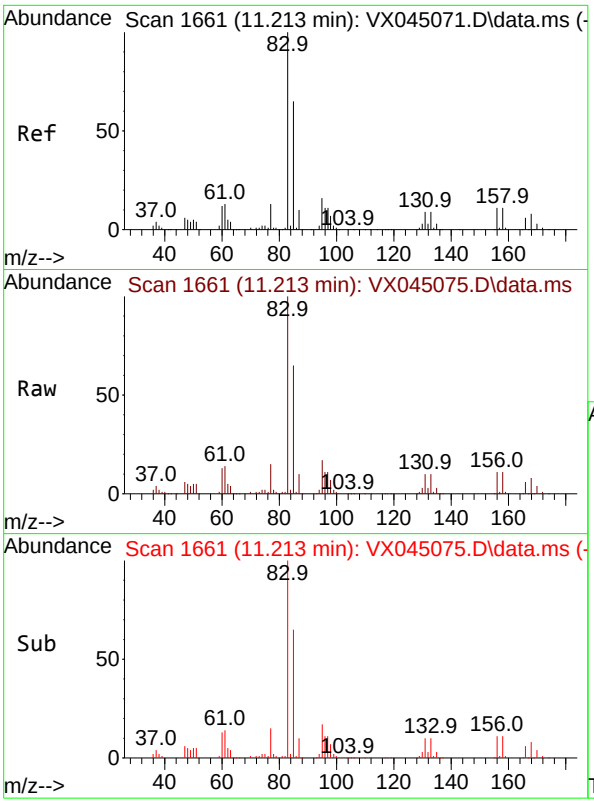


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

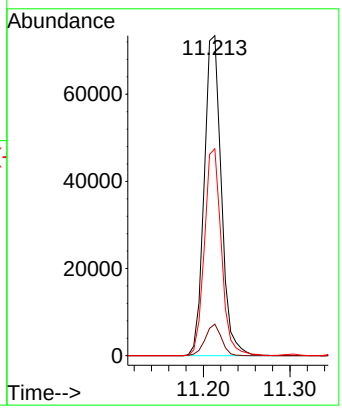




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

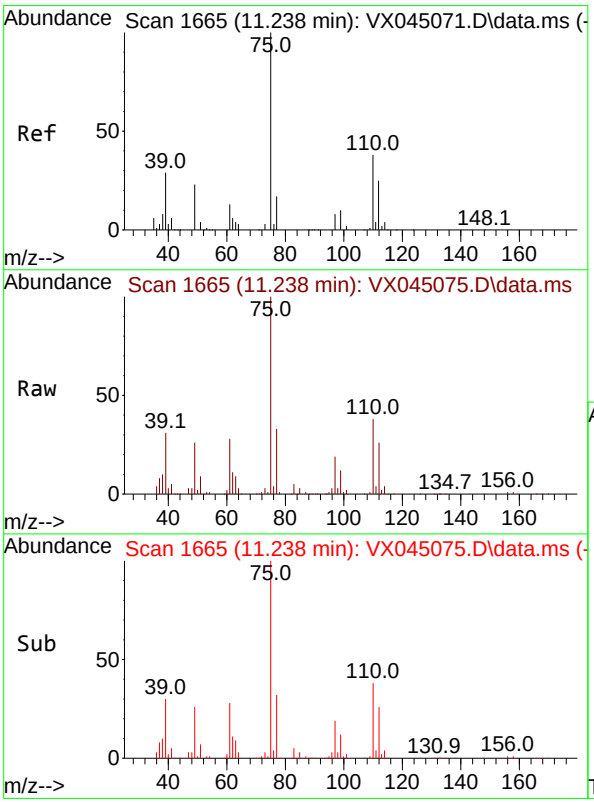
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

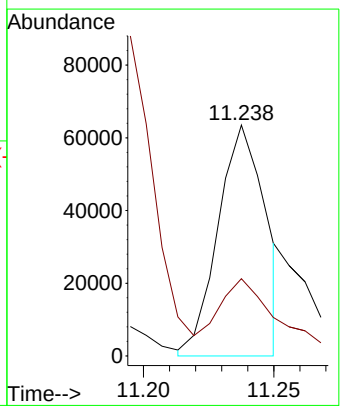
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

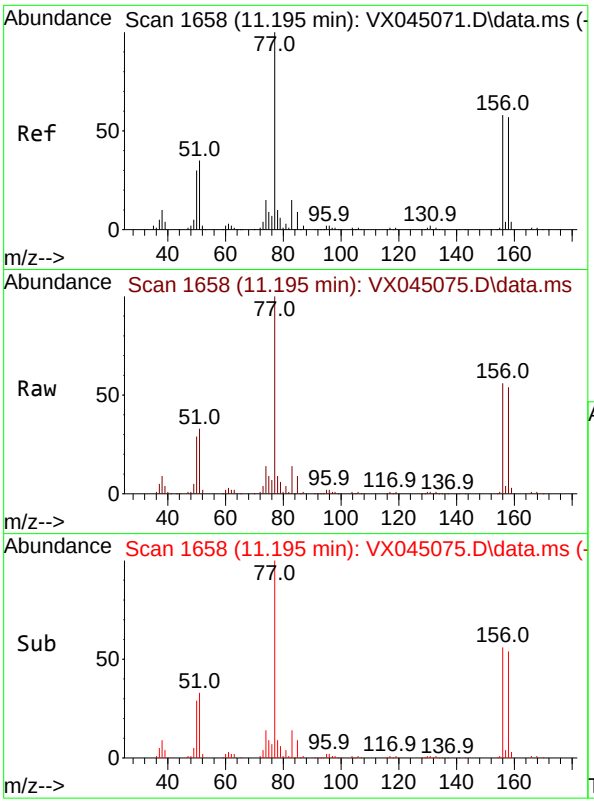


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

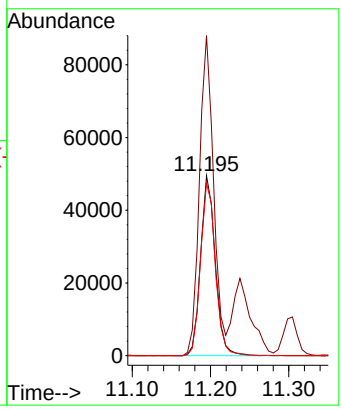




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

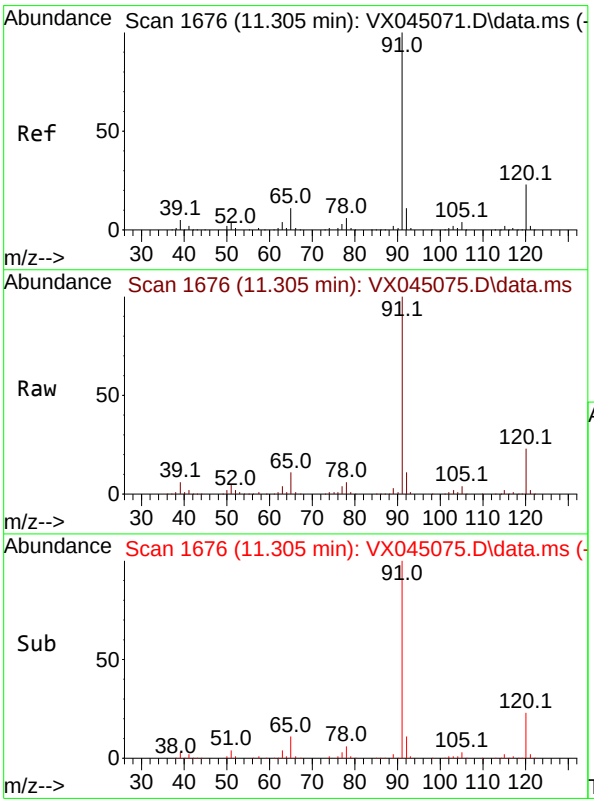
Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

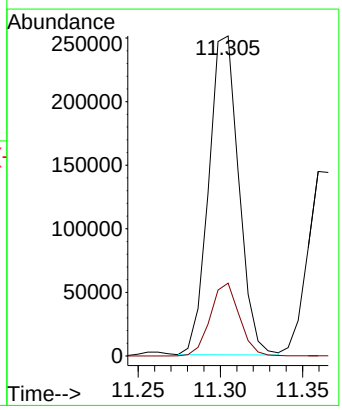
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

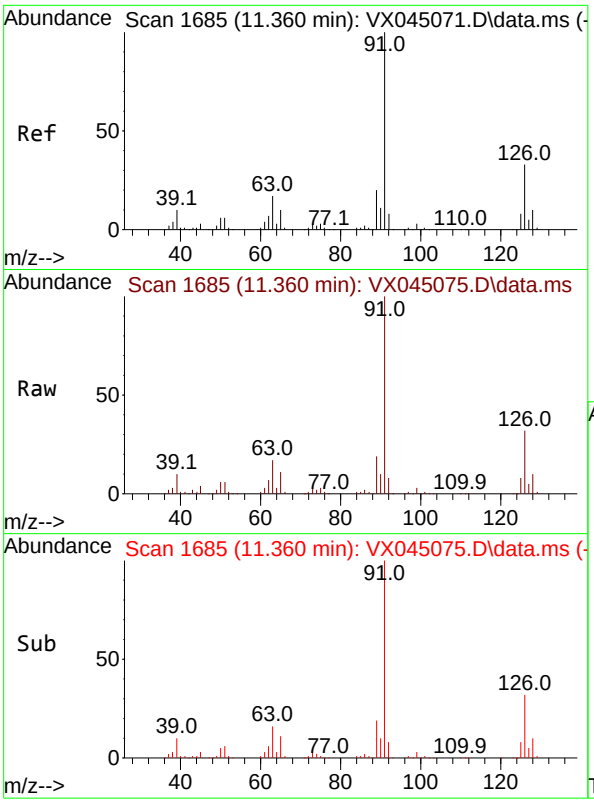


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6

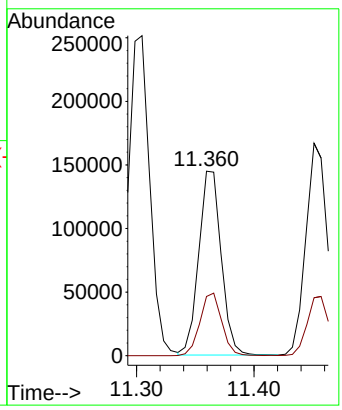




#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 19215

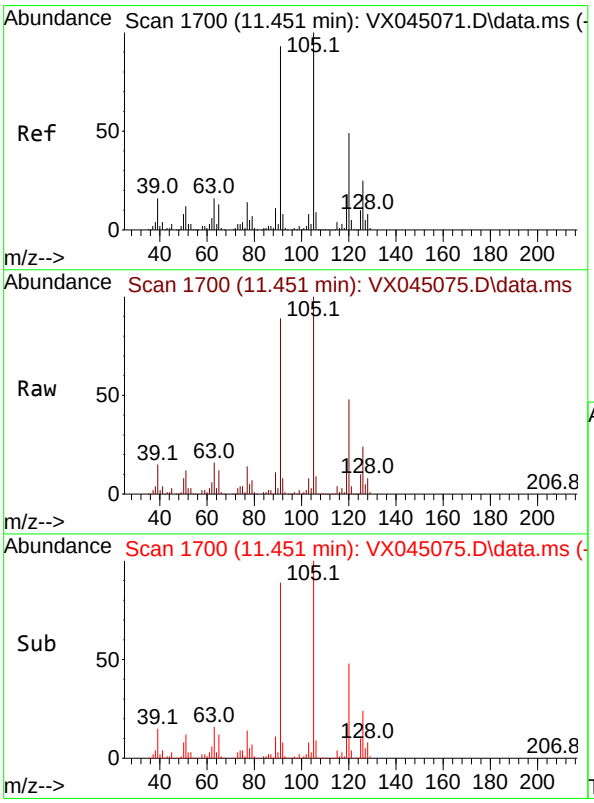
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

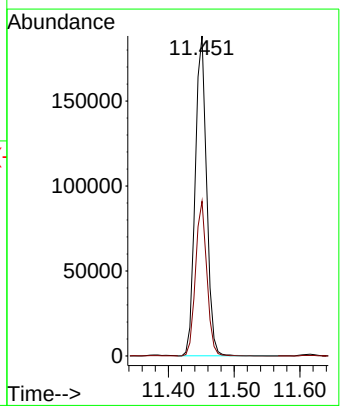
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

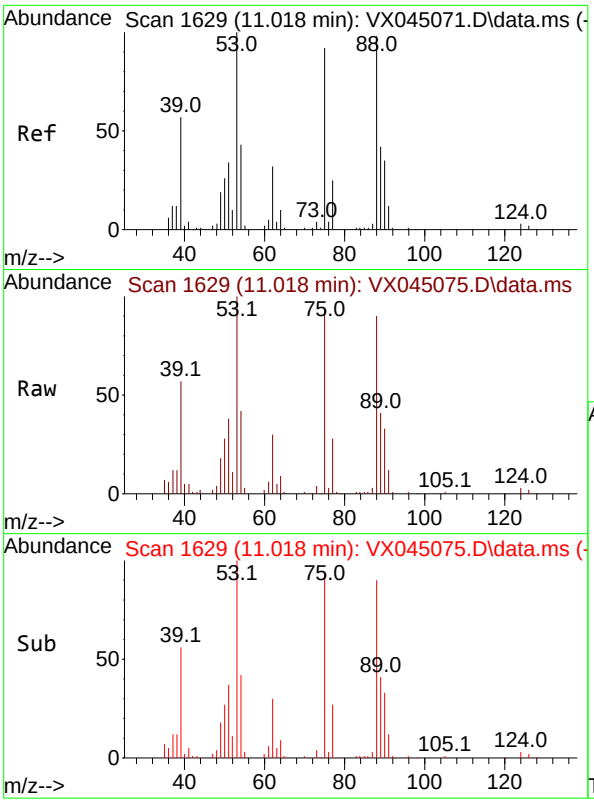


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

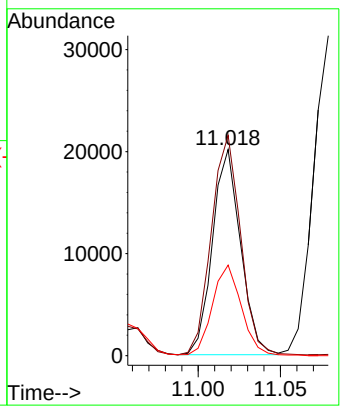
Tgt Ion: 75 Resp: 2394

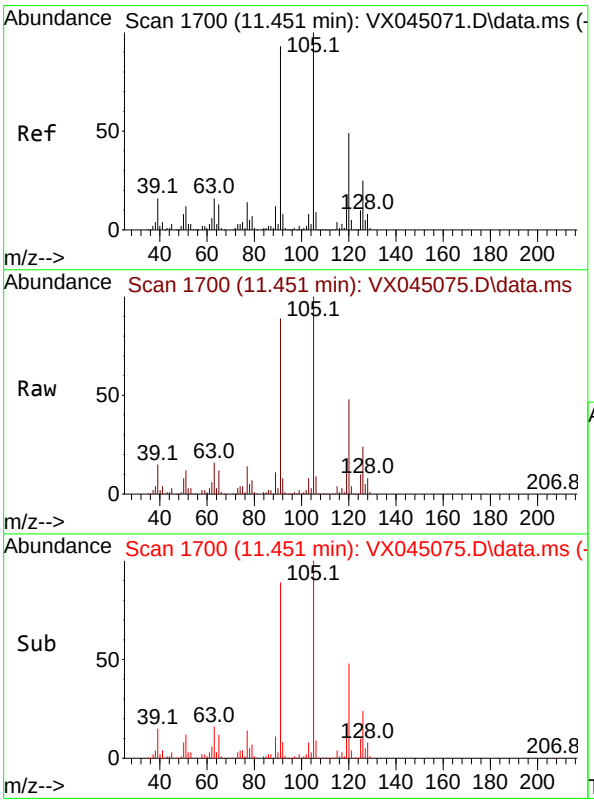
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

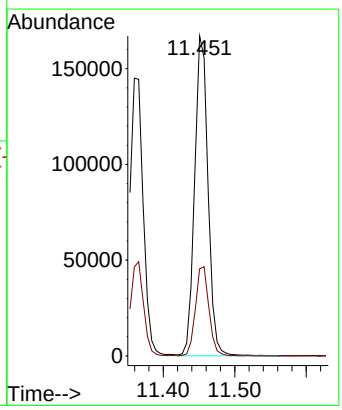


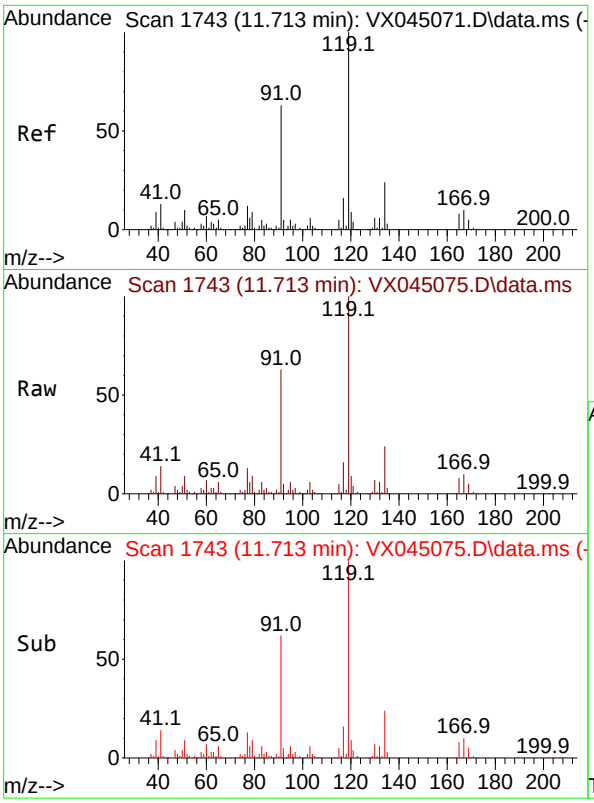


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

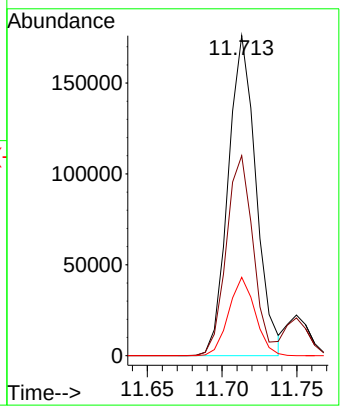




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

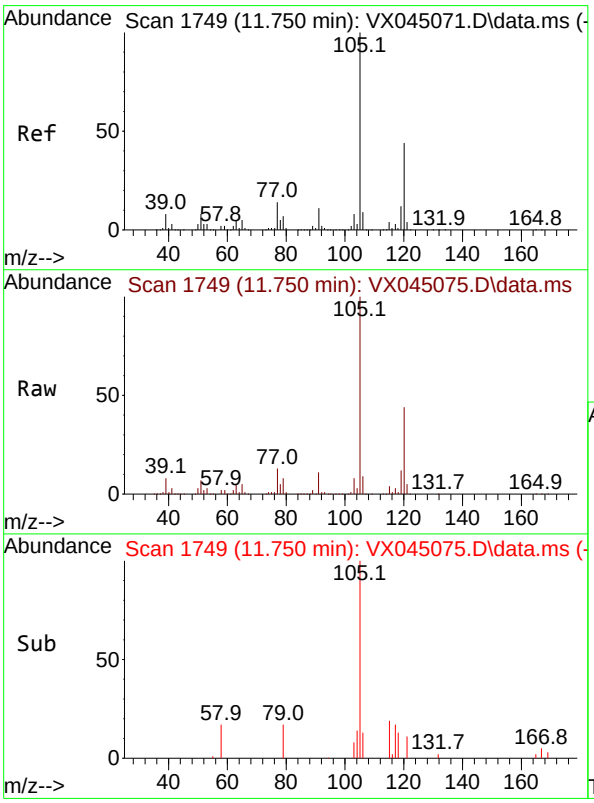
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

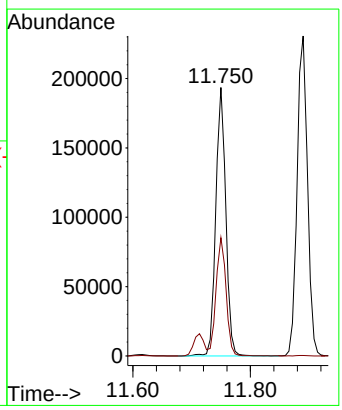
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

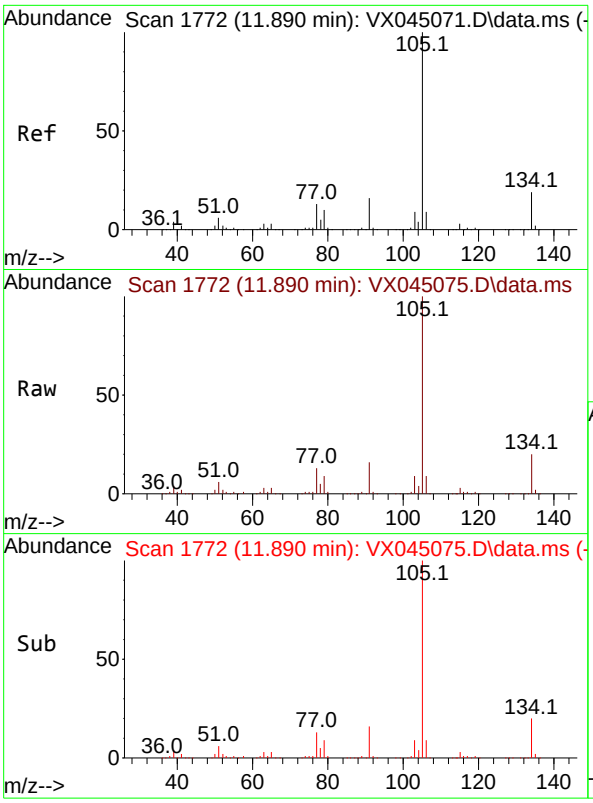


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

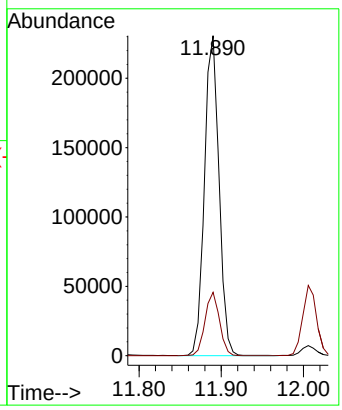




#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 28393

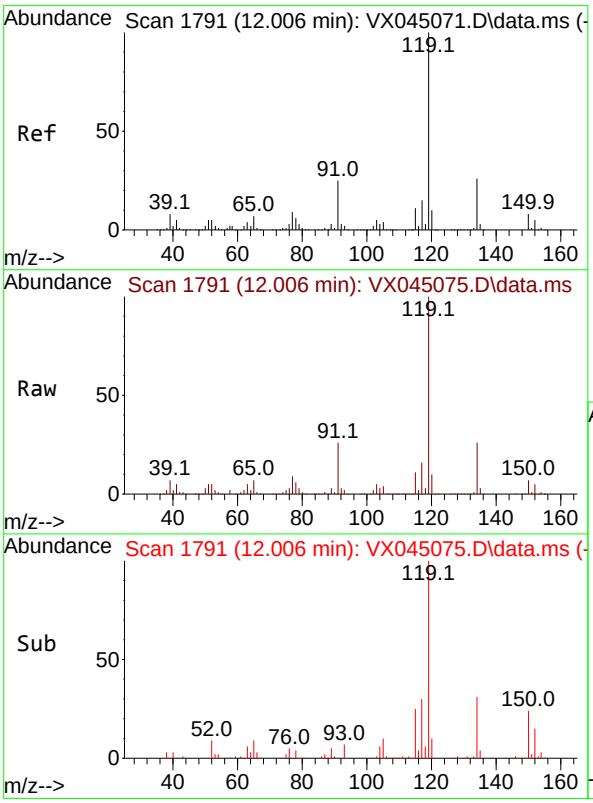
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

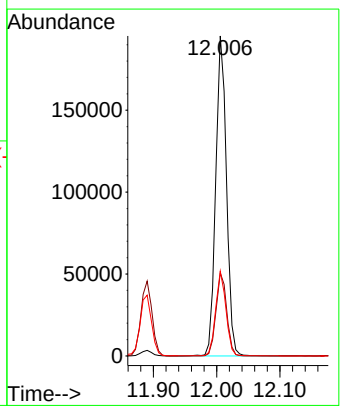
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

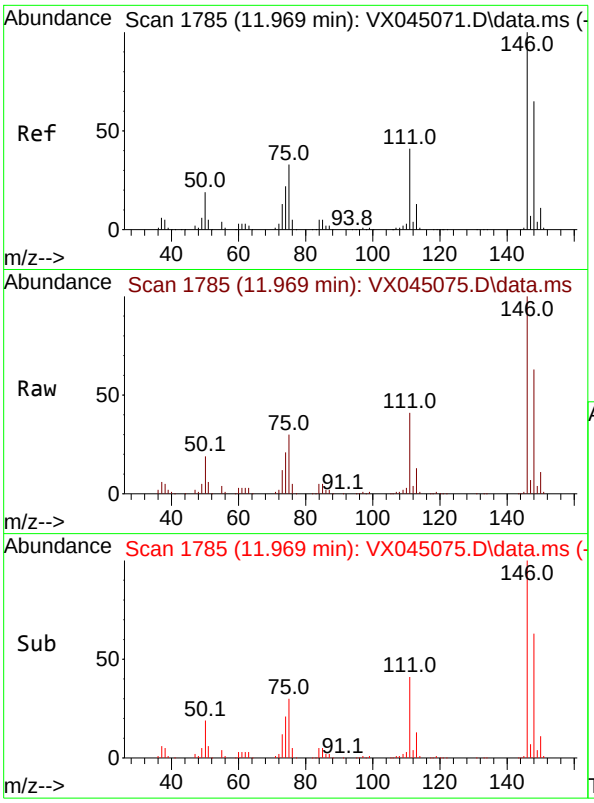


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0

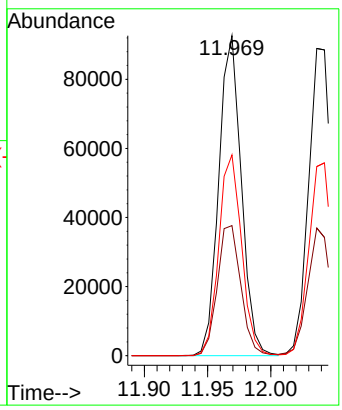




#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

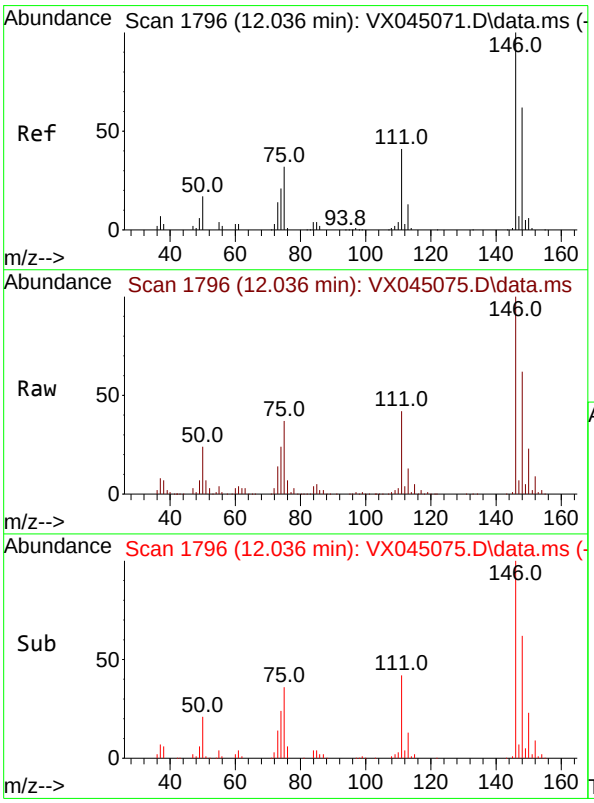
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

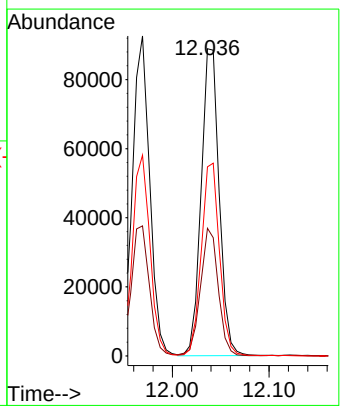
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

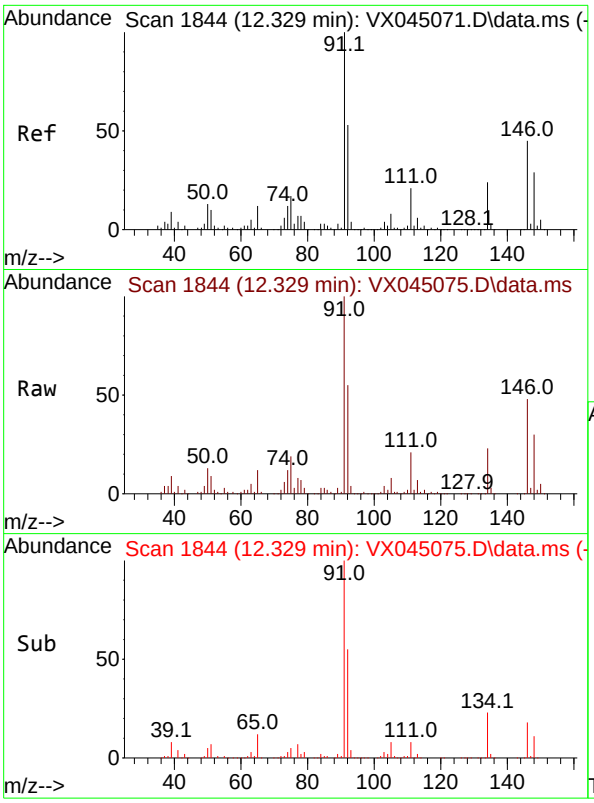


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9

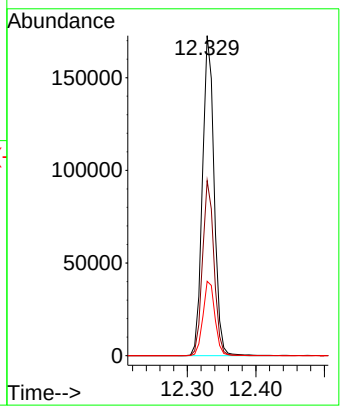




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

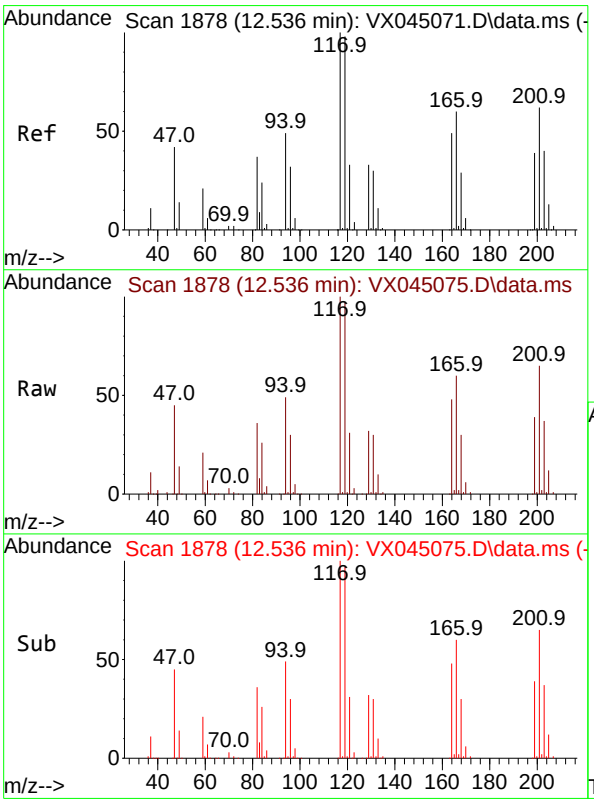
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

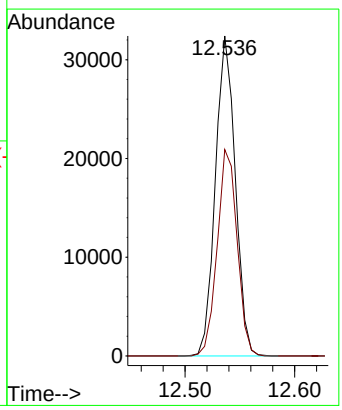
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

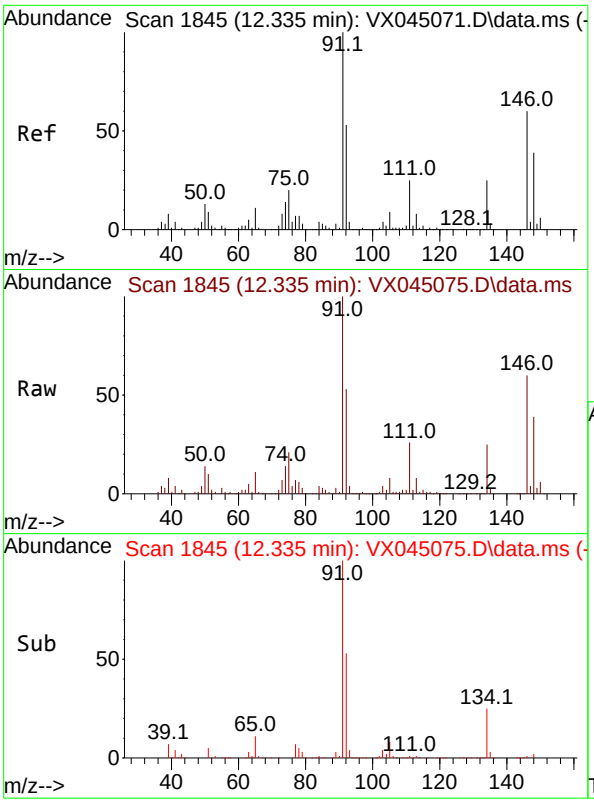


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

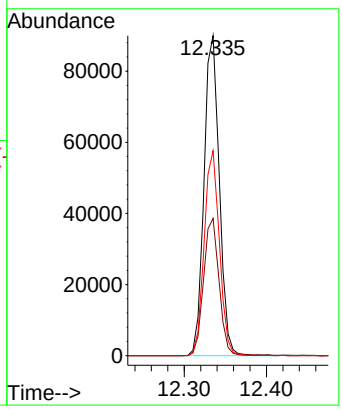




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

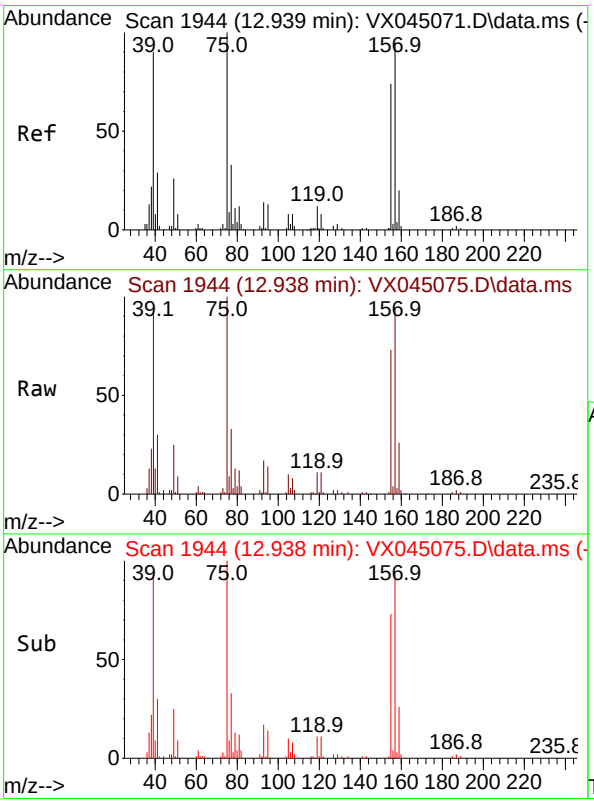
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

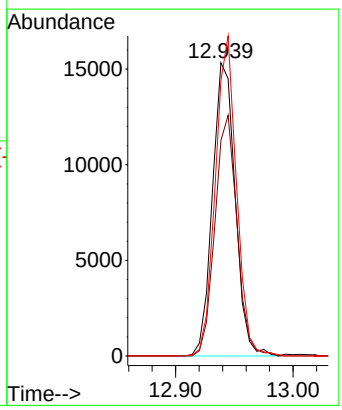
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

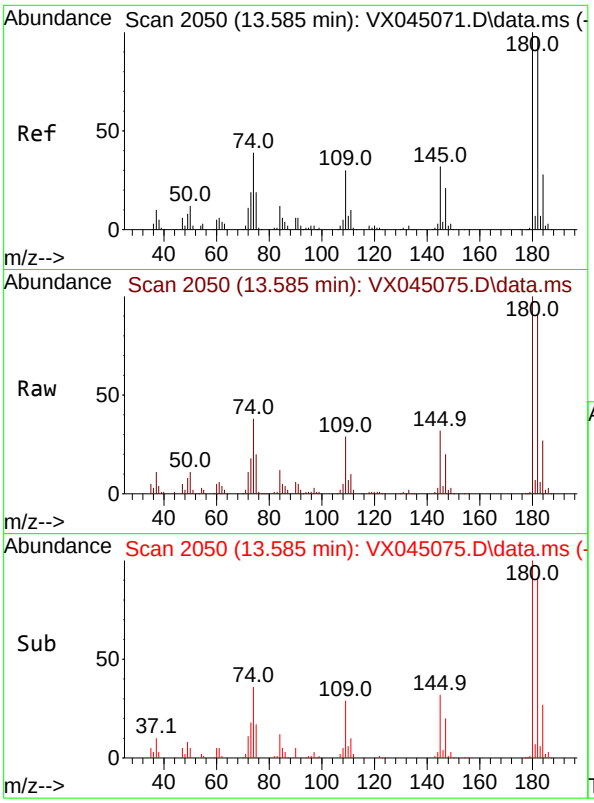


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4

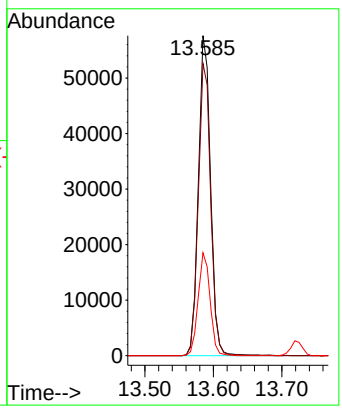




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

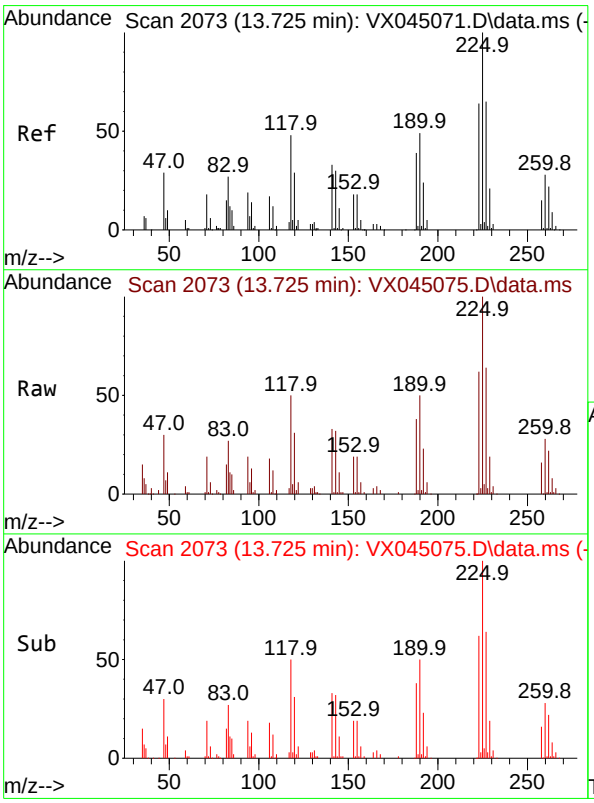
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

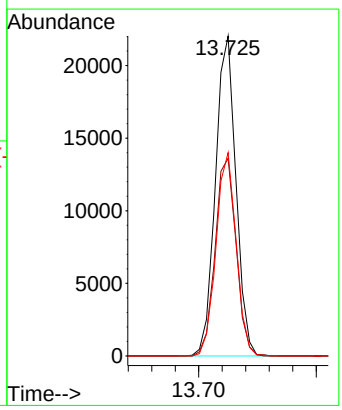
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

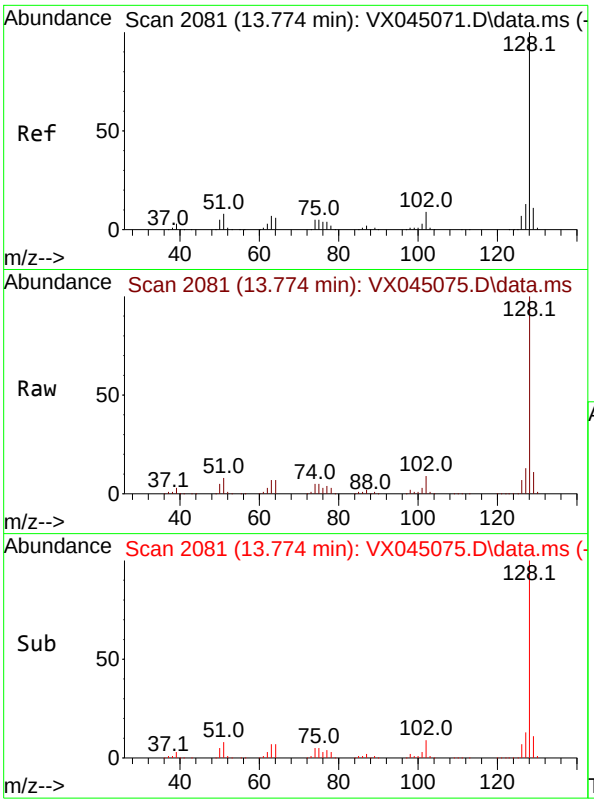


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0

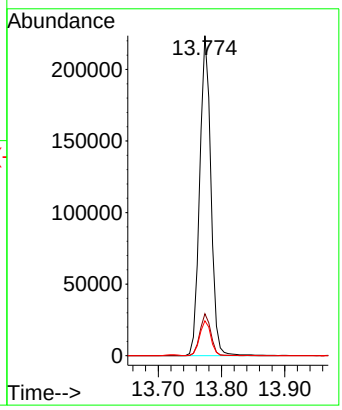




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

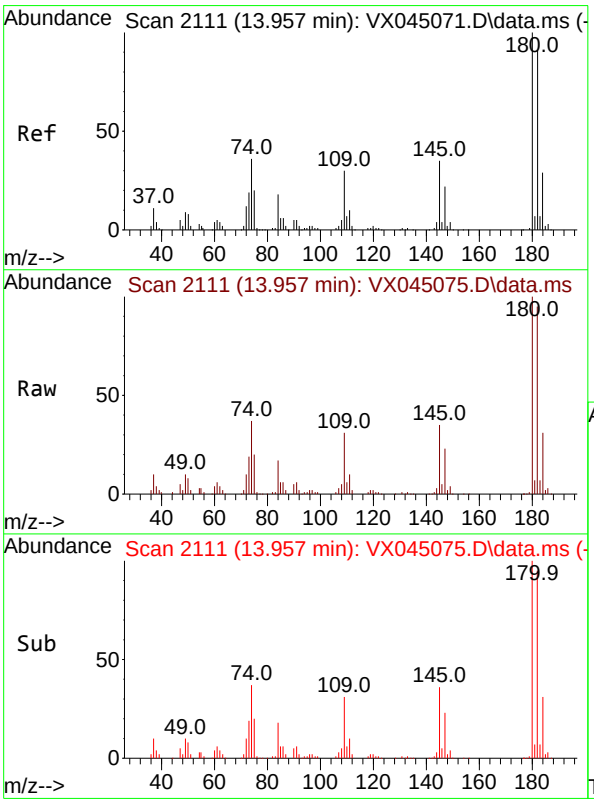
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

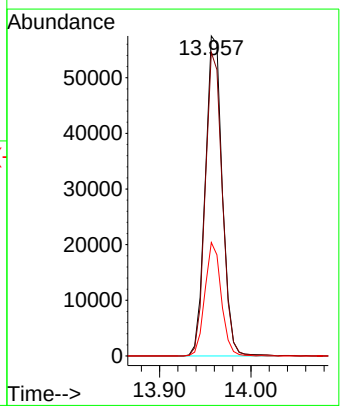
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	98	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3	P	Chloromethane	0.770	0.750	2.6	98	0.00
4	C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5	T	Bromomethane	0.300	0.277	7.7	93	0.00
6	T	Chloroethane	0.352	0.296	15.9	78	0.00
7	T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8	T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10	T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11	T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12	CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13	T	Acrolein	0.174	0.189	-8.6	107	0.00
14	T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.358	3.0	100	0.00
17	T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18	T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20	T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23	T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24	P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25	T	2-Butanone	0.555	0.587	-5.8	100	0.00
26	T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28	T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30	C	Chloroform	1.239	1.244	-0.4#	98	0.00
31	T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36	T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37	T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38	T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39	T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40	TM	Benzene	1.448	1.482	-2.3	98	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43	T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48	T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.010	-11.1	102	0.00
50	S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52	CM	Toluene	0.849	0.867	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55	T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56	T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60	T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61	T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65	PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67	C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69	T	o-Xylene	0.681	0.690	-1.3	95	0.00
70	T	Styrene	1.101	1.149	-4.4	95	0.00
71	P	Bromoform	0.266	0.280	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74	T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77	T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78	T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79	T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82	T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83	T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85	T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90	T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94	T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95	T	Naphthalene	3.605	3.977	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.070	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3	P	Chloromethane	50.000	48.696	2.6	98	0.00
4	C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5	T	Bromomethane	50.000	46.190	7.6	93	0.00
6	T	Chloroethane	50.000	41.948	16.1	78	0.00
7	T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8	T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10	T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11	T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12	CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13	T	Acrolein	250.000	271.255	-8.5	107	0.00
14	T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15	T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16	T	Acetone	250.000	242.877	2.8	100	0.00
17	T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18	T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20	T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22	T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23	T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24	P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25	T	2-Butanone	250.000	264.040	-5.6	100	0.00
26	T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28	T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29	T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30	C	Chloroform	50.000	50.236	-0.5#	98	0.00
31	T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36	T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37	T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38	T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39	T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40	TM	Benzene	50.000	51.195	-2.4	98	0.00
41	T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42	TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43	T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44	TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45	C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46	T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47	T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48	T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	1049.007	-4.9	102	0.00
50	S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52	CM	Toluene	50.000	51.020	-2.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56	T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57	T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59	T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60	T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61	T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65	PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67	C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68	T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69	T	o-Xylene	50.000	50.668	-1.3	95	0.00
70	T	Styrene	50.000	52.177	-4.4	95	0.00
71	P	Bromoform	50.000	52.636	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74	T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77	T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78	T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79	T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82	T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83	T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85	T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90	T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94	T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95	T	Naphthalene	50.000	55.163	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	54.049	-8.1	98	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 10:24

Lab File ID: VX045257.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.644		2.38	20
Chloromethane	0.770	0.743	0.1	-3.51	20
Vinyl Chloride	0.764	0.682		-10.73	20
Bromomethane	0.300	0.286		-4.67	20
Chloroethane	0.352	0.332		-5.68	20
Trichlorofluoromethane	1.012	0.989		-2.27	20
1,1,2-Trichlorotrifluoroethane	0.581	0.648		11.53	20
1,1-Dichloroethene	0.614	0.598		-2.61	20
Acetone	0.369	0.387		4.88	20
Carbon Disulfide	1.636	1.415		-13.51	20
Methyl tert-butyl Ether	2.061	2.046		-0.73	20
Methyl Acetate	0.888	1.022		15.09	20
Methylene Chloride	0.731	0.701		-4.1	20
trans-1,2-Dichloroethene	0.607	0.592		-2.47	20
1,1-Dichloroethane	1.247	1.235	0.1	-0.96	20
Cyclohexane	1.082	1.068		-1.29	20
2-Butanone	0.555	0.579		4.32	20
Carbon Tetrachloride	0.465	0.487		4.73	20
cis-1,2-Dichloroethene	0.749	0.741		-1.07	20
Bromochloromethane	0.594	0.614		3.37	20
Chloroform	1.239	1.240		0.08	20
1,1,1-Trichloroethane	1.000	1.009		0.9	20
Methylcyclohexane	0.549	0.601		9.47	20
Benzene	1.448	1.463		1.04	20
1,2-Dichloroethane	0.521	0.548		5.18	20
Trichloroethene	0.340	0.339		-0.29	20
1,2-Dichloropropane	0.372	0.374		0.54	20
Bromodichloromethane	0.516	0.542		5.04	20
4-Methyl-2-Pentanone	0.587	0.648		10.39	20
Toluene	0.849	0.875		3.06	20
t-1,3-Dichloropropene	0.431	0.483		12.06	20
cis-1,3-Dichloropropene	0.503	0.554		10.14	20
1,1,2-Trichloroethane	0.350	0.354		1.14	20
2-Hexanone	0.425	0.478		12.47	20
Dibromochloromethane	0.366	0.391		6.83	20
1,2-Dibromoethane	0.349	0.361		3.44	20
Tetrachloroethene	0.320	0.334		4.38	20
Chlorobenzene	1.058	1.109	0.3	4.82	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 10:24

Lab File ID: VX045257.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.965		6.62	20
m/p-Xylenes	0.675	0.722		6.96	20
o-Xylene	0.681	0.710		4.26	20
Styrene	1.101	1.219		10.72	20
Bromoform	0.266	0.304	0.1	14.29	20
Isopropylbenzene	3.903	3.982		2.02	20
1,1,2,2-Tetrachloroethane	1.432	1.417	0.3	-1.05	20
1,3-Dichlorobenzene	1.643	1.687		2.68	20
1,4-Dichlorobenzene	1.662	1.676		0.84	20
1,2-Dichlorobenzene	1.648	1.706		3.52	20
1,2-Dibromo-3-Chloropropane	0.279	0.295		5.74	20
1,2,4-Trichlorobenzene	0.938	1.026		9.38	20
1,2,3-Trichlorobenzene	0.990	1.070		8.08	20
1,2-Dichloroethane-d4	0.795	0.832		4.65	20
Dibromofluoromethane	0.334	0.357		6.89	20
Toluene-d8	1.212	1.259		3.88	20
4-Bromofluorobenzene	0.402	0.458		13.93	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\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77336	52.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	5.379	113	58112	53.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.640%			
50) Toluene-d8	8.647	98	205212	51.934	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.860%			
62) 4-Bromofluorobenzene	11.079	95	74669	57.027	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59825	51.122	ug/l	92
3) Chloromethane	1.300	50	69055	48.218	ug/l	96
4) Vinyl Chloride	1.374	62	63439	44.653	ug/l	97
5) Bromomethane	1.593	94	26629	47.680	ug/l	100
6) Chloroethane	1.660	64	30884	47.129	ug/l	98
7) Trichlorofluoromethane	1.867	101	91924	48.876	ug/l	100
8) Diethyl Ether	2.129	74	32057	43.578	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	60276	55.784	ug/l	99
10) Methyl Iodide	2.440	142	69837	51.719	ug/l	97
11) Tert butyl alcohol	2.983	59	62750	224.022	ug/l	97
12) 1,1-Dichloroethene	2.306	96	55581	48.654	ug/l	98
13) Acrolein	2.233	56	73382	226.631	ug/l	99
14) Allyl chloride	2.654	41	104985	51.628	ug/l	97
15) Acrylonitrile	3.062	53	188400	250.959	ug/l	99
16) Acetone	2.386	43	179812	262.073	ug/l	99
17) Carbon Disulfide	2.495	76	131544	43.233	ug/l	98
18) Methyl Acetate	2.703	43	94977	57.542	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190193	49.624	ug/l	97
20) Methylene Chloride	2.782	84	65207	47.978	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	55072	48.797	ug/l	97
22) Diisopropyl ether	3.757	45	208305	50.369	ug/l	92
23) Vinyl Acetate	3.715	43	880345	255.083	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114815	49.538	ug/l	99
25) 2-Butanone	4.556	43	269063	260.525	ug/l	96
26) 2,2-Dichloropropane	4.464	77	79181	72.834	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	68887	49.445	ug/l	95
28) Bromochloromethane	4.891	49	57070	51.659	ug/l	99
29) Tetrahydrofuran	5.001	42	167144	240.995	ug/l	99
30) Chloroform	5.086	83	115276	50.056	ug/l	99
31) Cyclohexane	5.458	56	99325	49.368	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	93785	50.422	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75552	50.546	ug/l	99
37) Ethyl Acetate	4.714	43	96666	50.189	ug/l	98
38) Carbon Tetrachloride	5.665	117	79322	52.271	ug/l	95
39) Methylcyclohexane	7.372	83	97987	54.710	ug/l	97
40) Benzene	6.025	78	238534	50.537	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.909	41	55551	53.340	ug/l		99
42) 1,2-Dichloroethane	6.080	62	89305	52.542	ug/l		100
43) Isopropyl Acetate	6.336	43	149943	52.647	ug/l		99
44) Trichloroethene	7.116	130	55195	49.801	ug/l		99
45) 1,2-Dichloropropane	7.427	63	60889	50.174	ug/l		97
46) Dibromomethane	7.574	93	45165	52.654	ug/l		97
47) Bromodichloromethane	7.817	83	88408	52.546	ug/l		97
48) Methyl methacrylate	7.689	41	76158	53.300	ug/l		97
49) 1,4-Dioxane	7.659	88	29076	964.689	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	528259	276.238	ug/l		99
52) Toluene	8.714	92	142581	51.486	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	78690	55.945	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	90280	55.043	ug/l		91
55) 1,1,2-Trichloroethane	9.147	97	57642	50.560	ug/l		98
56) Ethyl methacrylate	9.116	69	94614	54.596	ug/l		96
57) 1,3-Dichloropropane	9.305	76	101233	51.310	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	249068	294.630	ug/l		98
59) 2-Hexanone	9.427	43	389277	280.952	ug/l		99
60) Dibromochloromethane	9.518	129	63802	53.523	ug/l		99
61) 1,2-Dibromoethane	9.610	107	58790	51.655	ug/l		100
64) Tetrachloroethene	9.268	164	46782	52.106	ug/l		98
65) Chlorobenzene	10.079	112	155435	52.401	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53231	53.887	ug/l		97
67) Ethyl Benzene	10.189	91	275416	53.287	ug/l		100
68) m/p-Xylenes	10.299	106	202522	107.038	ug/l		98
69) o-Xylene	10.640	106	99595	52.192	ug/l		98
70) Styrene	10.652	104	170860	55.336	ug/l		99
71) Bromoform	10.799	173	42683	57.300	ug/l	#	98
73) Isopropylbenzene	10.957	105	266634	51.016	ug/l		98
74) N-amyl acetate	10.841	43	131189	53.493	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	94855	49.457	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	77483m	49.716	ug/l		
77) Bromobenzene	11.195	156	61840	50.148	ug/l		100
78) n-propylbenzene	11.305	91	312182	52.876	ug/l		100
79) 2-Chlorotoluene	11.360	91	186805	49.681	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	220041	52.068	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25479	55.946	ug/l		94
82) 4-Chlorotoluene	11.451	91	216250	52.770	ug/l		99
83) tert-Butylbenzene	11.713	119	222828	51.318	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	225626	53.061	ug/l		99
85) sec-Butylbenzene	11.890	105	280536	53.936	ug/l		100
86) p-Isopropyltoluene	12.006	119	232945	55.418	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	112969	51.352	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112198	50.412	ug/l		99
89) n-Butylbenzene	12.329	91	212893	58.806	ug/l		99
90) Hexachloroethane	12.536	117	39637	52.134	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	114241	51.768	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19754	52.868	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	68677	54.655	ug/l		100
94) Hexachlorobutadiene	13.725	225	28888	56.075	ug/l		99
95) Naphthalene	13.774	128	255967	53.019	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71661	54.059	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

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

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

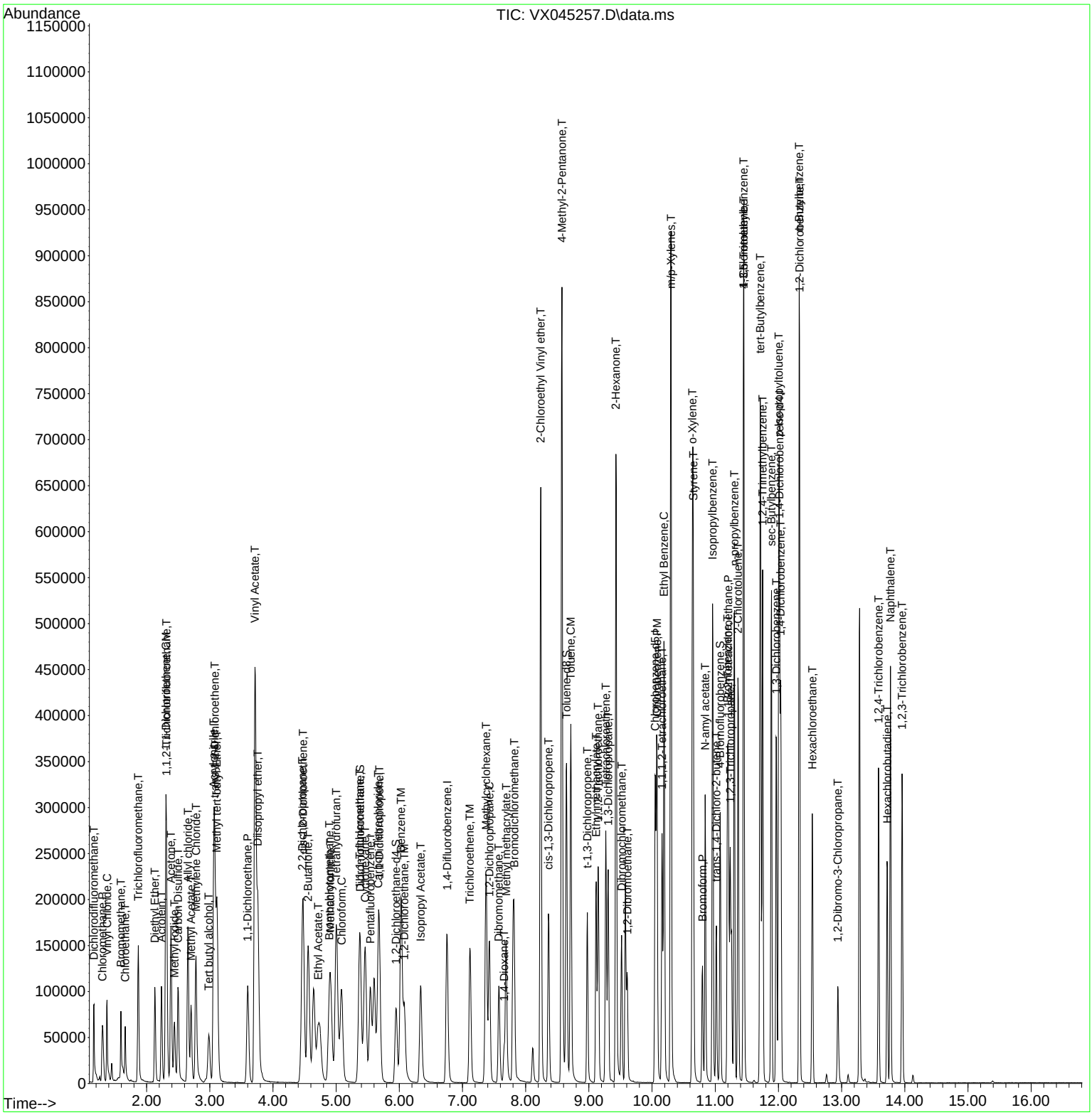
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Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

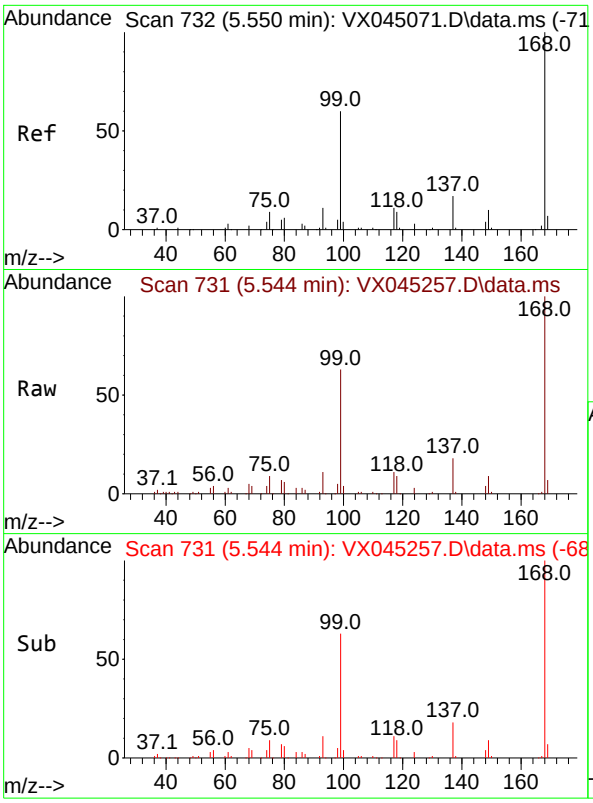
Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

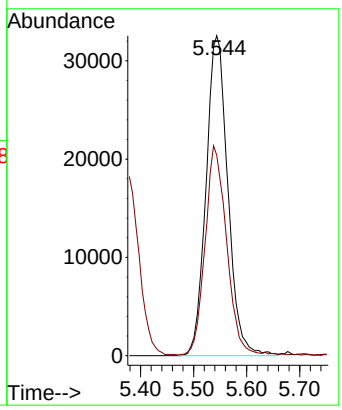




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:168 Resp: 9296

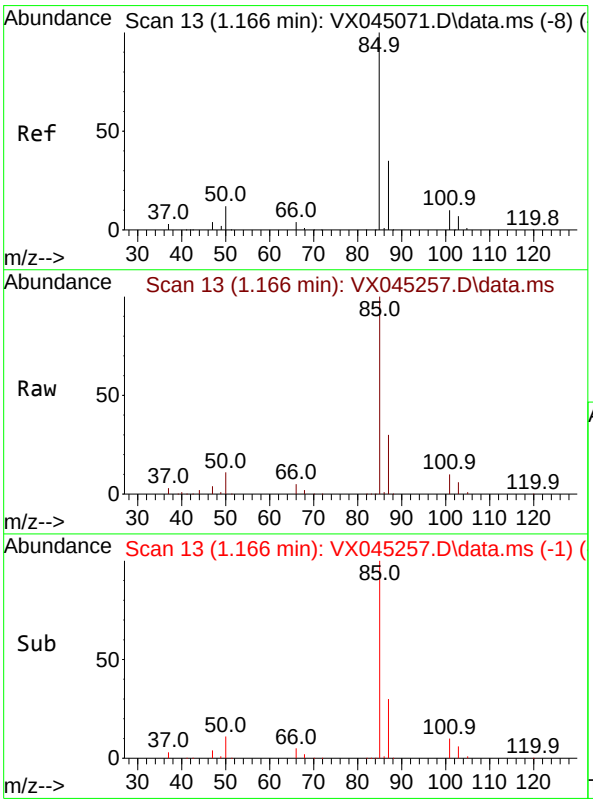
Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

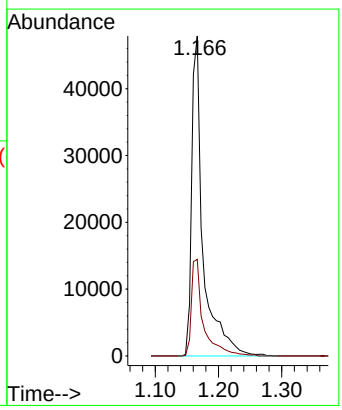
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

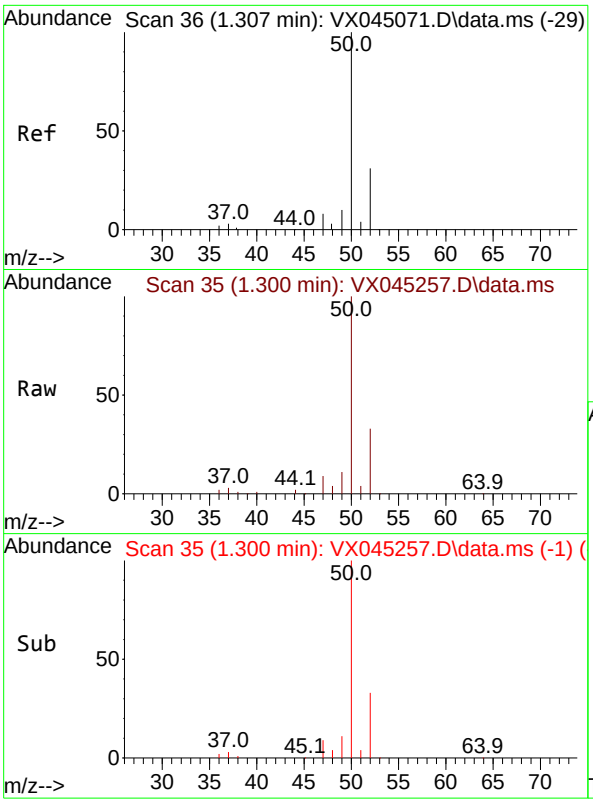


#2
Dichlorodifluoromethane
Concen: 51.122 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 85 Resp: 59825

Ion	Ratio	Lower	Upper
85	100		
87	30.2	17.4	52.3

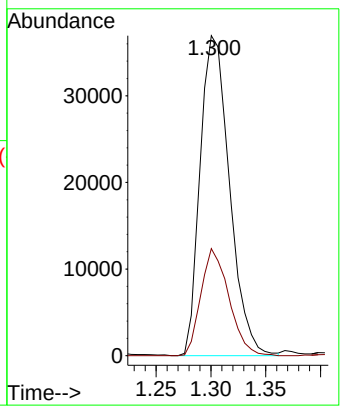




#3
Chloromethane
Concen: 48.218 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 50 Resp: 6905

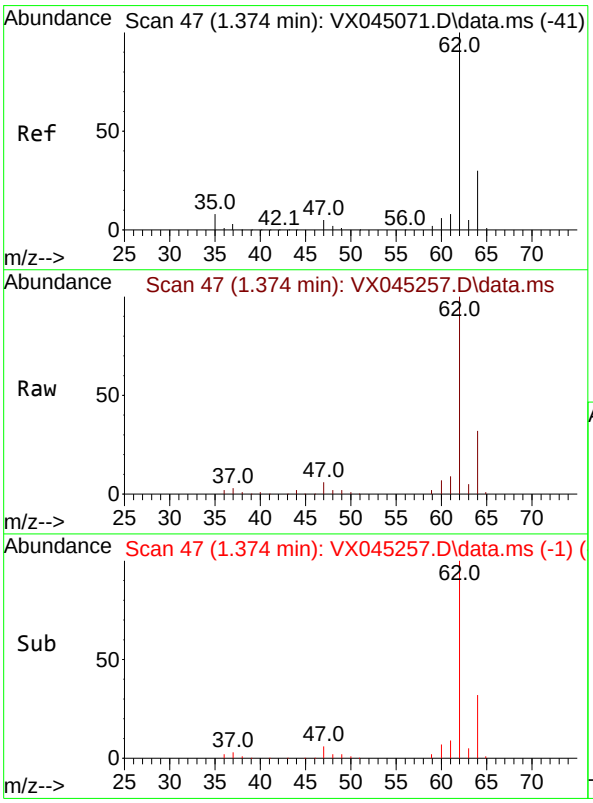
Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

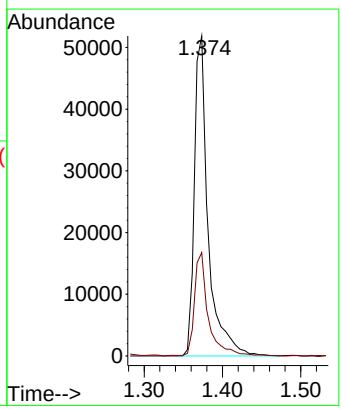
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

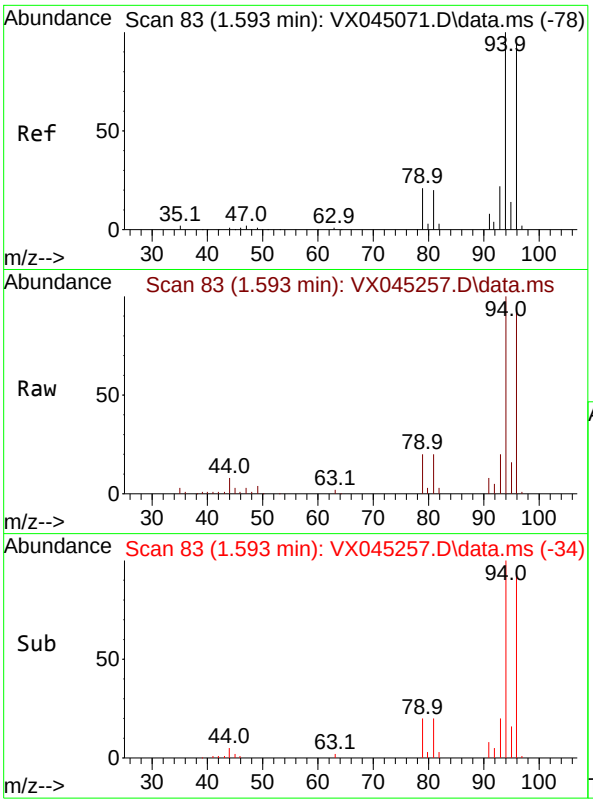


#4
Vinyl Chloride
Concen: 44.653 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 62 Resp: 63439

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

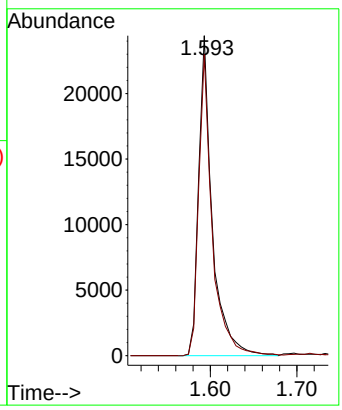




#5
Bromomethane
Concen: 47.680 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 94 Resp: 2662

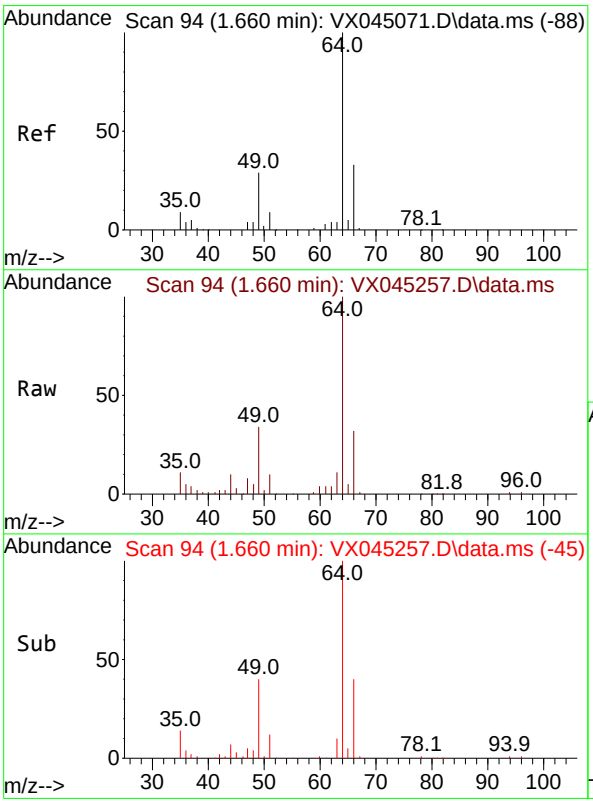
Ion	Ratio	Lower	Upper
94	100		
96	94.1	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

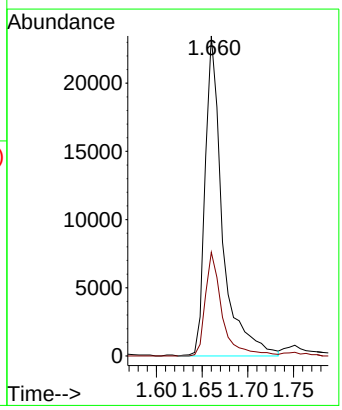
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

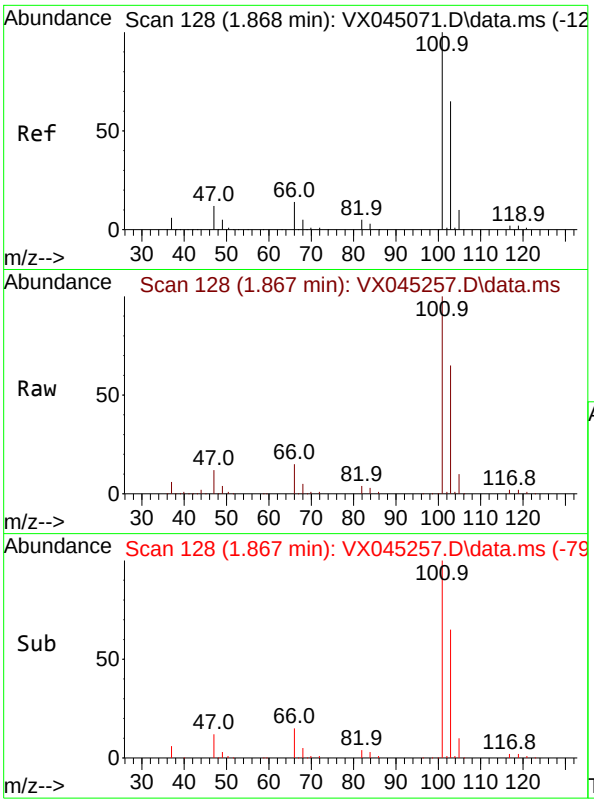


#6
Chloroethane
Concen: 47.129 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 64 Resp: 30884

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.7	40.1

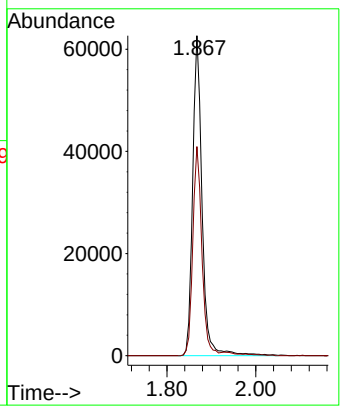




#7
Trichlorofluoromethane
Concen: 48.876 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:101 Resp: 9192

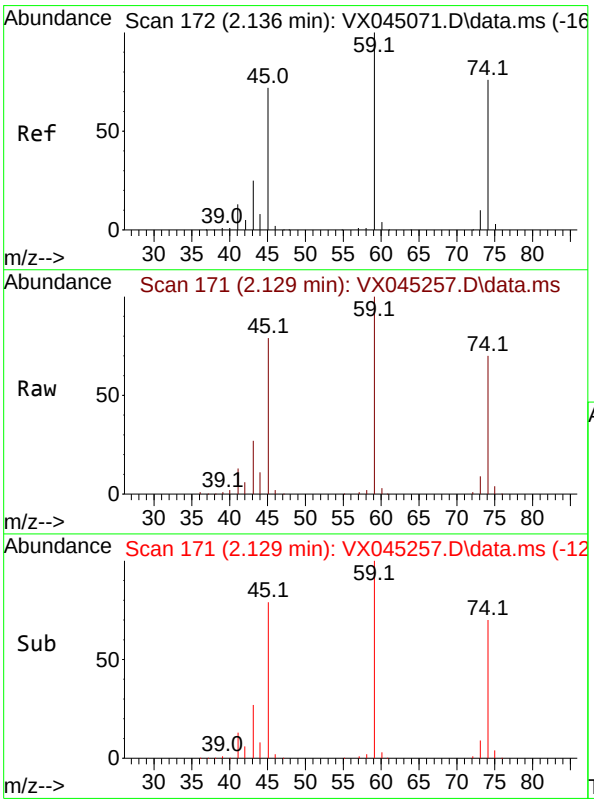
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
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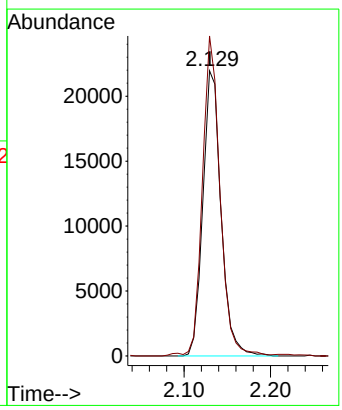
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

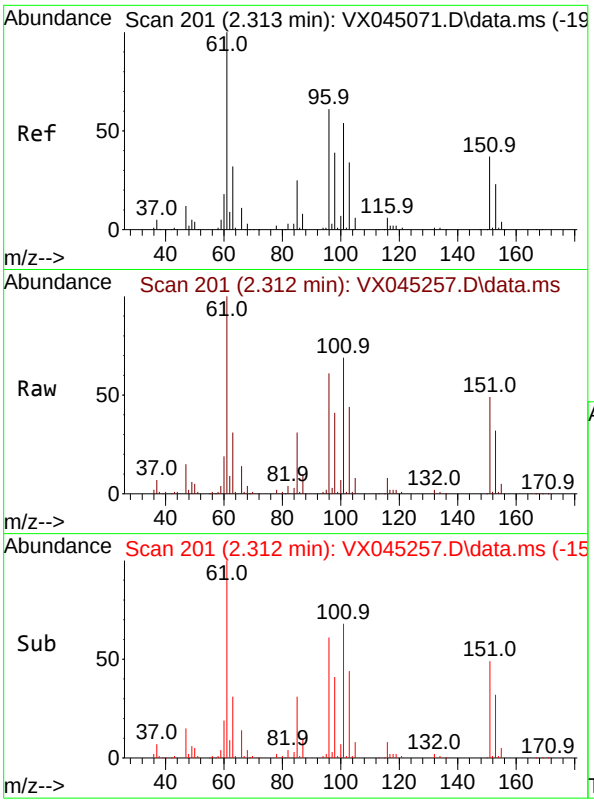


#8
Diethyl Ether
Concen: 43.578 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 74 Resp: 32057

Ion	Ratio	Lower	Upper
74	100		
45	108.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.784 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

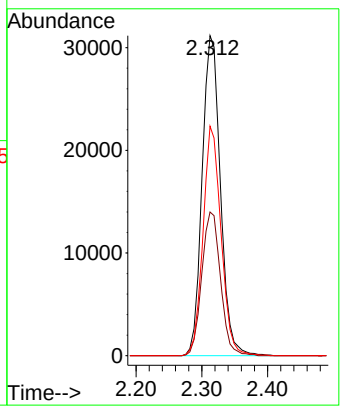
Tgt Ion:101 Resp: 6027

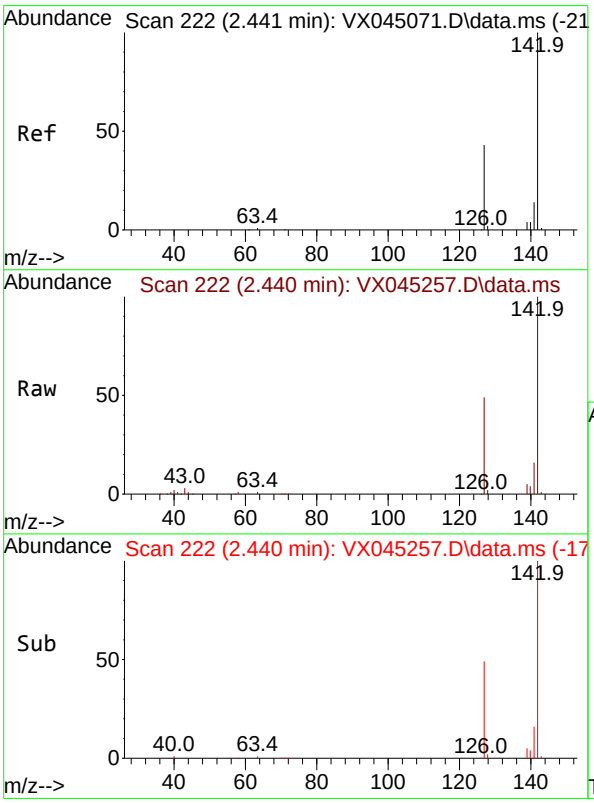
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

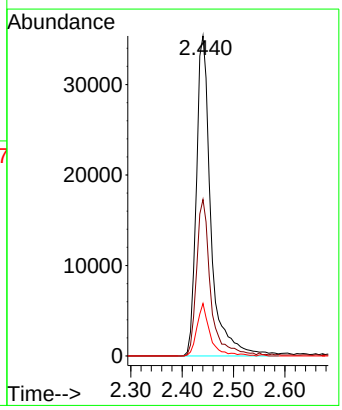


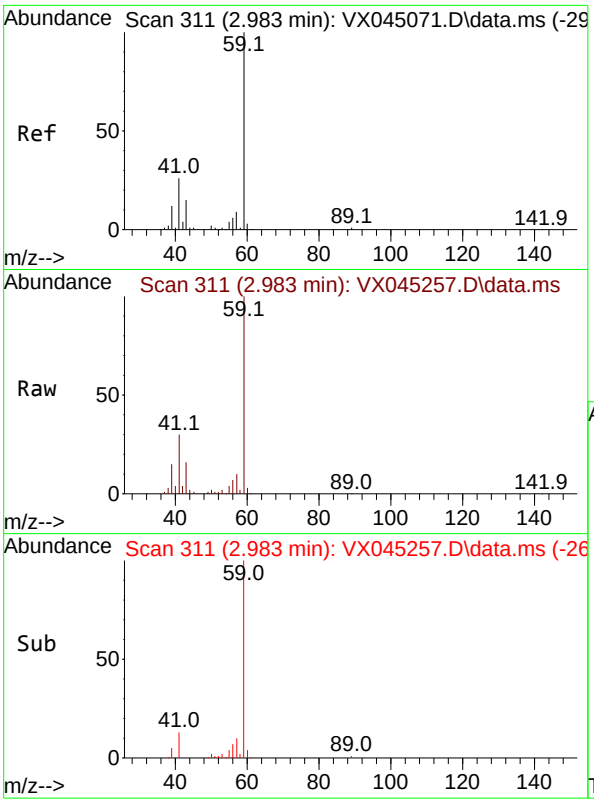


#10
Methyl Iodide
Concen: 51.719 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:142 Resp: 69837

Ion	Ratio	Lower	Upper
142	100		
127	47.1	35.4	53.2
141	14.8	11.6	17.4

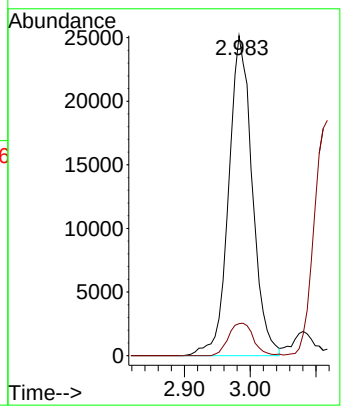




#11
Tert butyl alcohol
Concen: 224.022 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 59 Resp: 6275

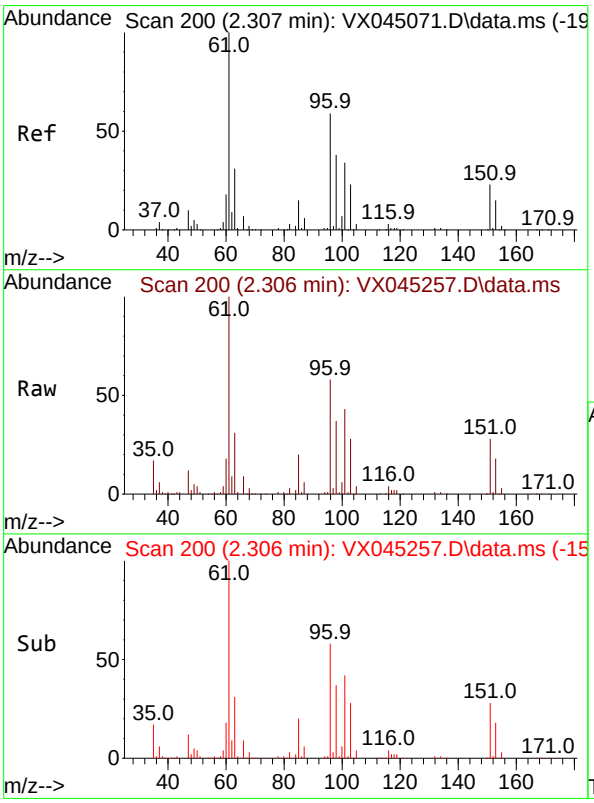
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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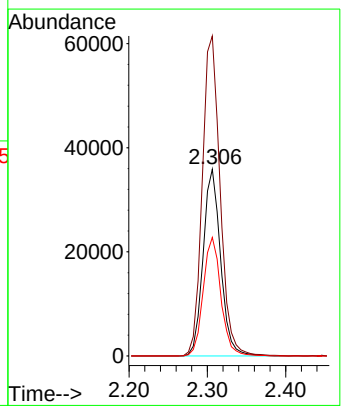
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

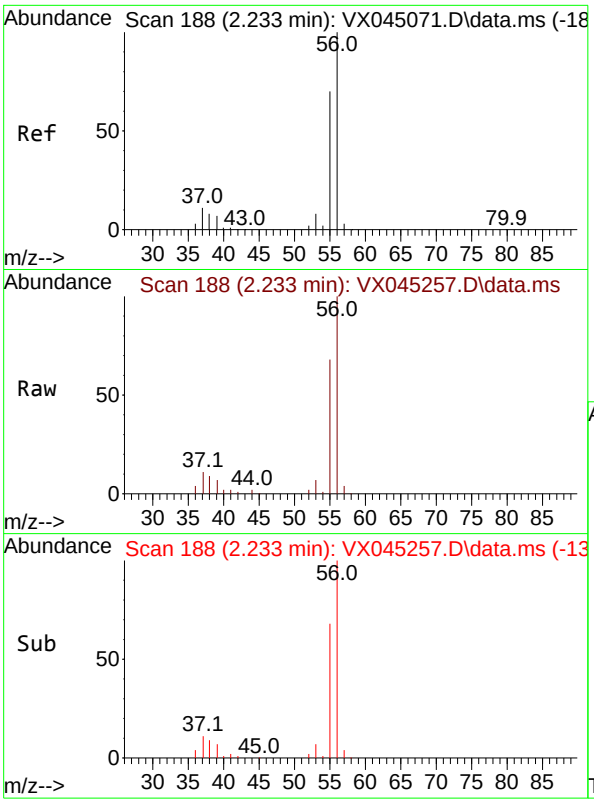


#12
1,1-Dichloroethene
Concen: 48.654 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 96 Resp: 55581

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.5	51.0	76.6

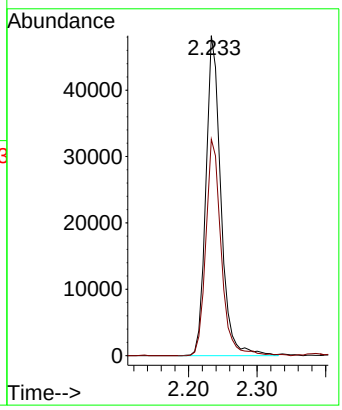




#13
Acrolein
Concen: 226.631 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 56 Resp: 7338

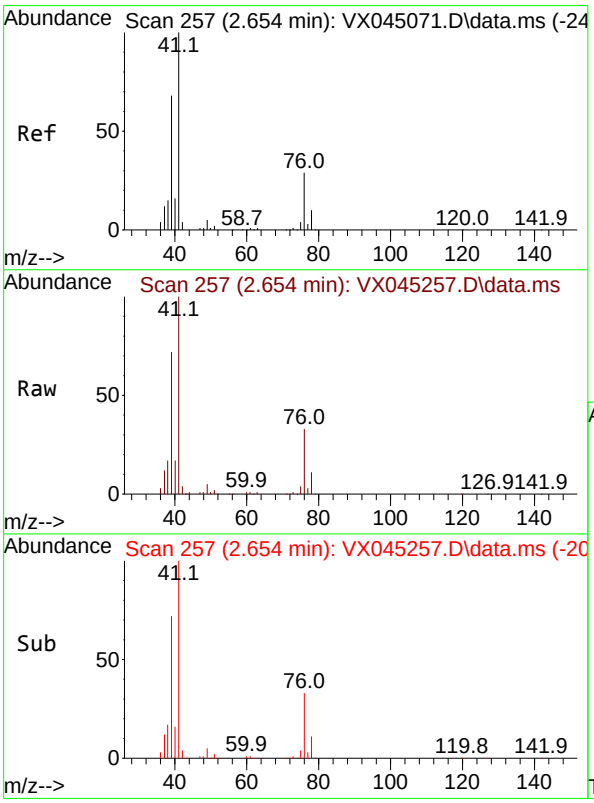
Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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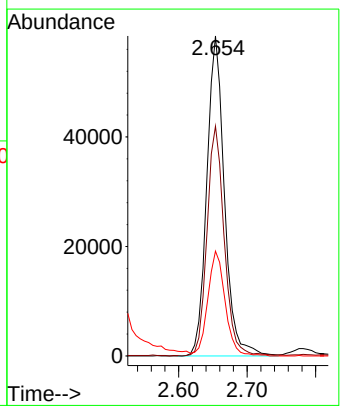
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

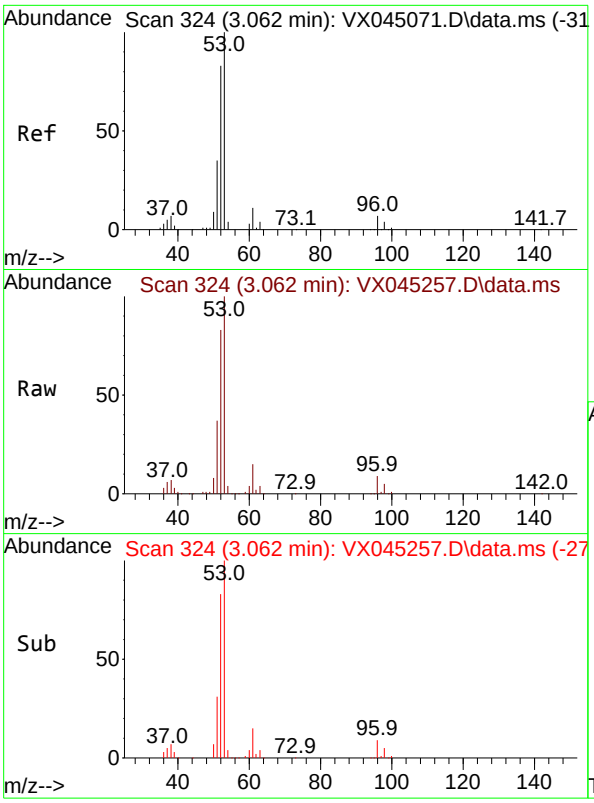


#14
Allyl chloride
Concen: 51.628 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 41 Resp: 104985

Ion	Ratio	Lower	Upper
41	100		
39	70.1	53.8	80.8
76	32.2	25.2	37.8

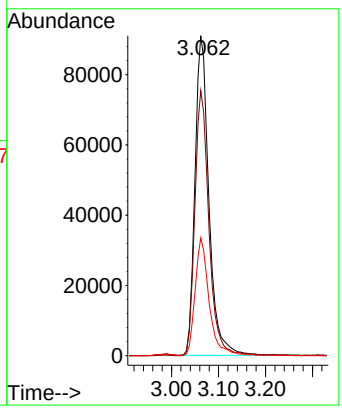




#15
Acrylonitrile
Concen: 250.959 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 53 Resp: 18840

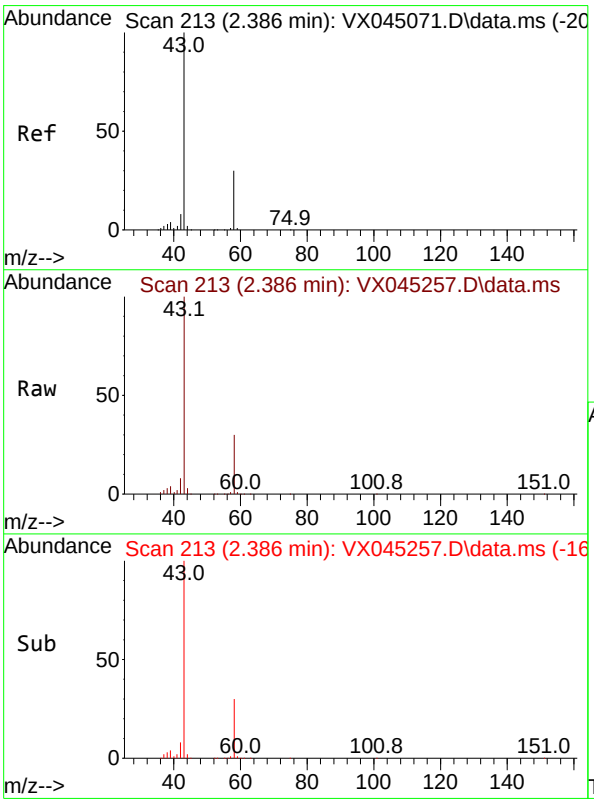
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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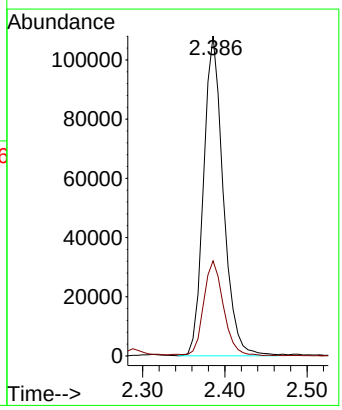
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

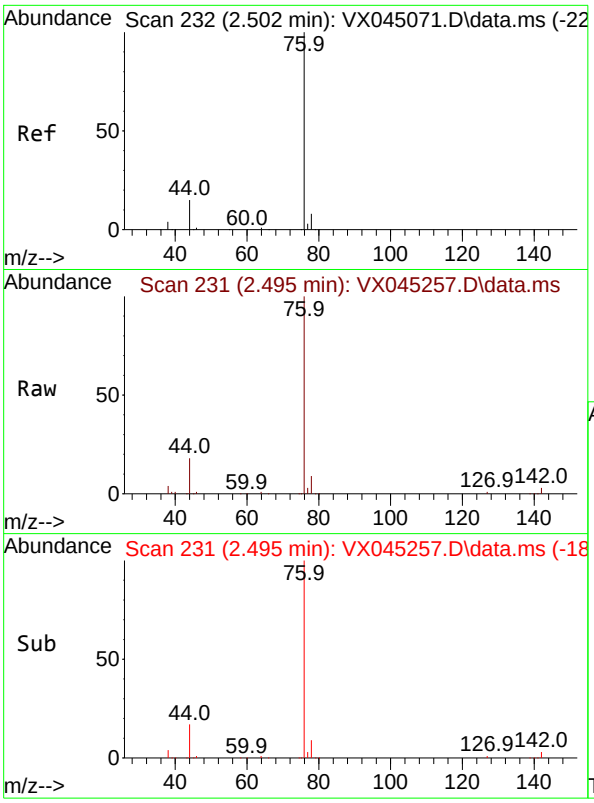


#16
Acetone
Concen: 262.073 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 179812

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4

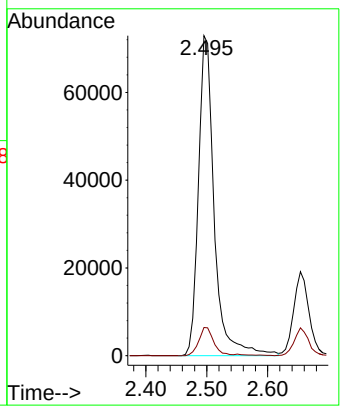




#17
Carbon Disulfide
Concen: 43.233 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 76 Resp: 13154

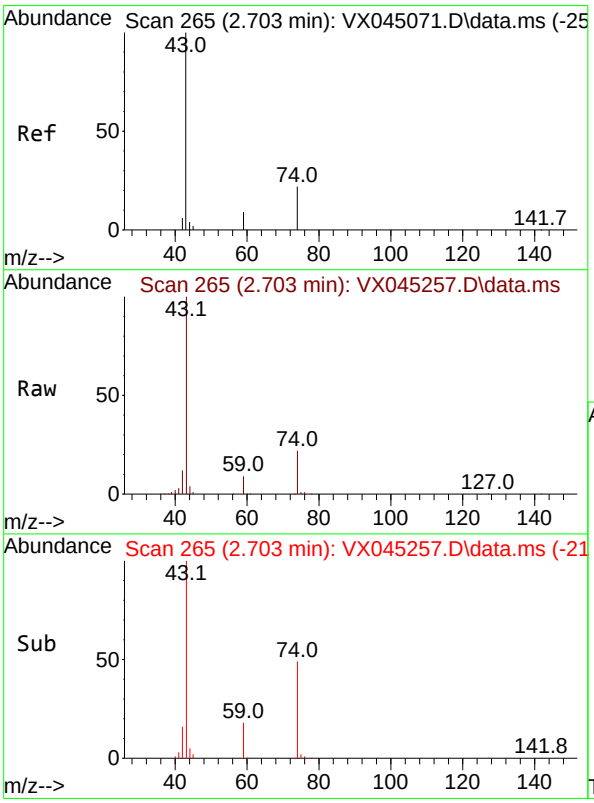
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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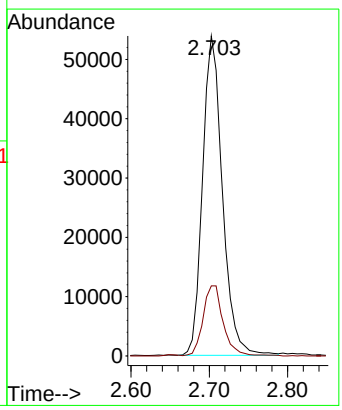
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

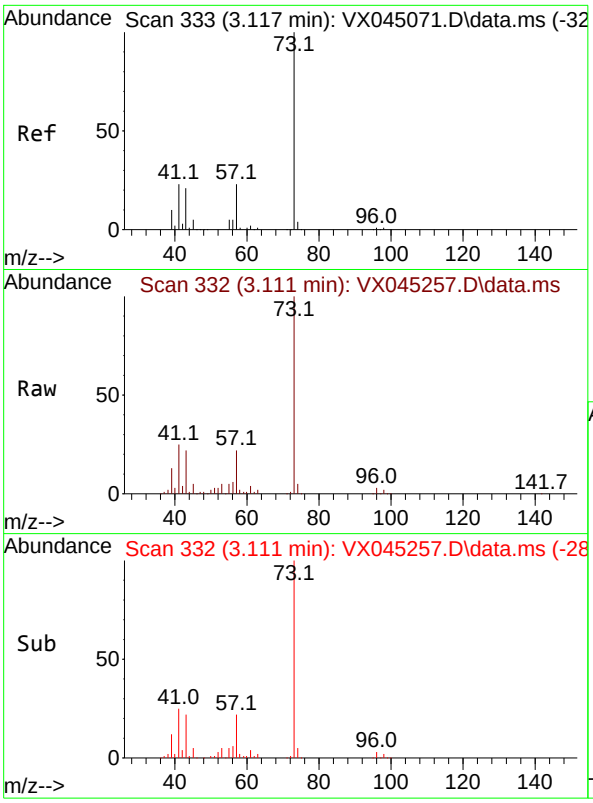


#18
Methyl Acetate
Concen: 57.542 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 94977

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 49.624 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

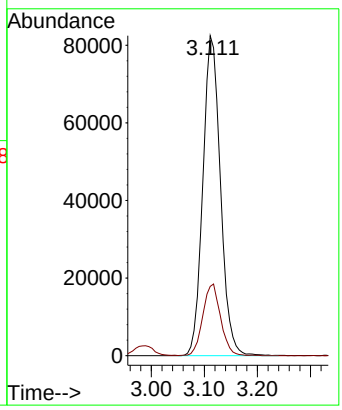
Tgt Ion: 73 Resp: 19019

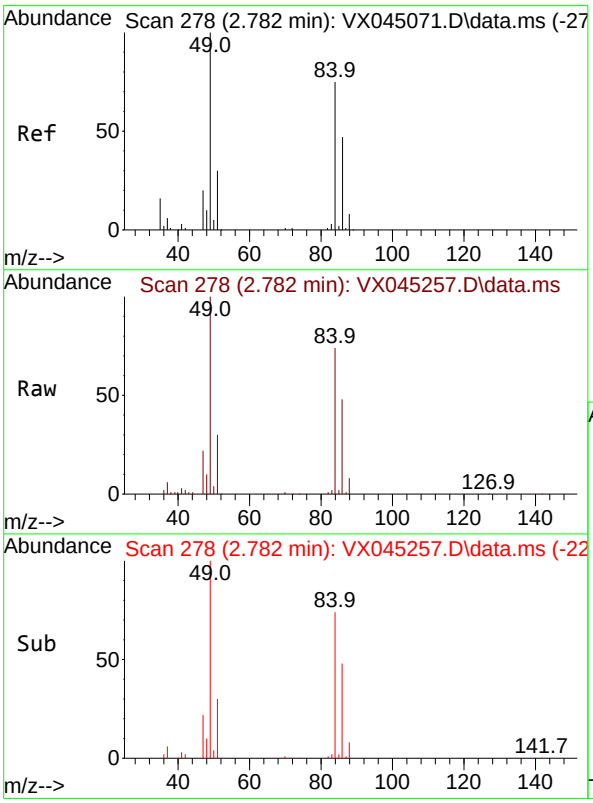
Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

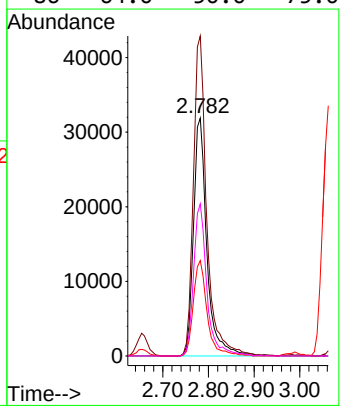


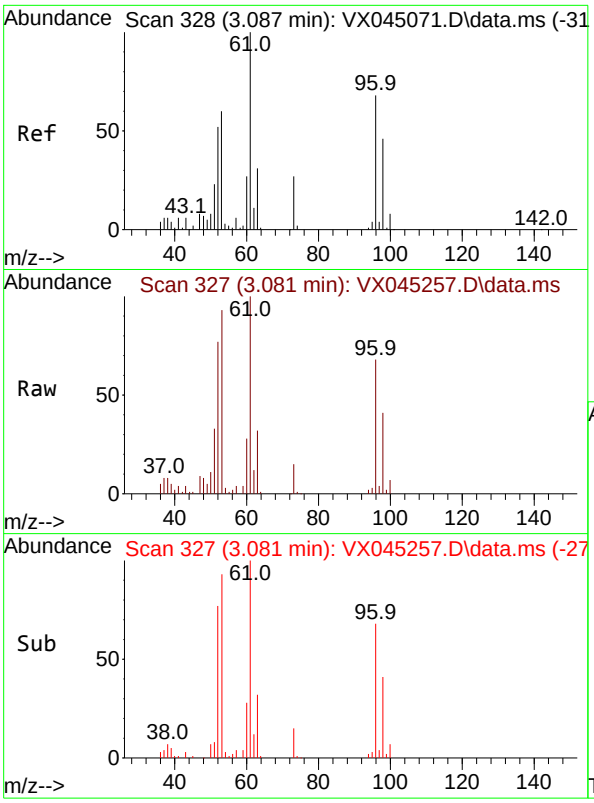


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 84 Resp: 65207

Ion	Ratio	Lower	Upper
84	100		
49	134.5	106.5	159.7
51	40.1	32.1	48.1
86	64.0	50.0	75.0

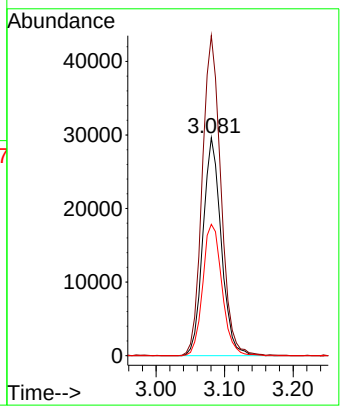




#21
trans-1,2-Dichloroethene
Concen: 48.797 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 96 Resp: 5507

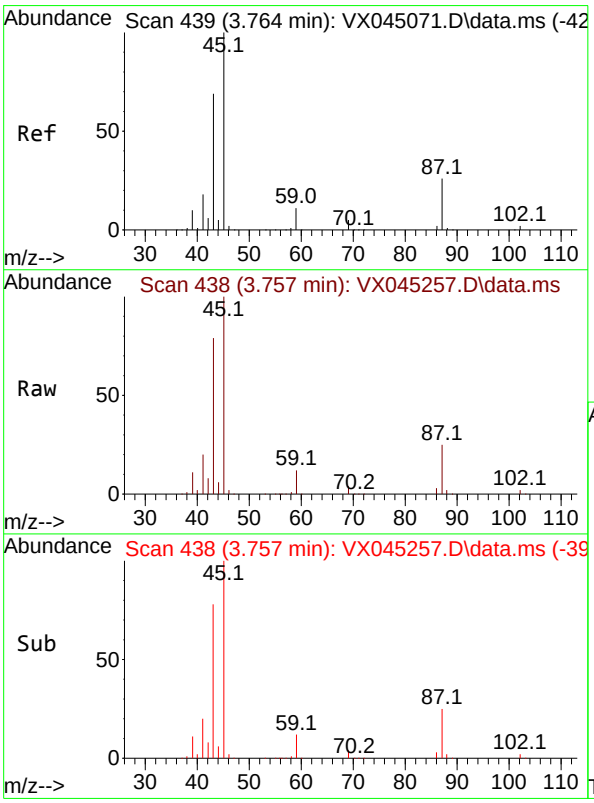
Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	60.3	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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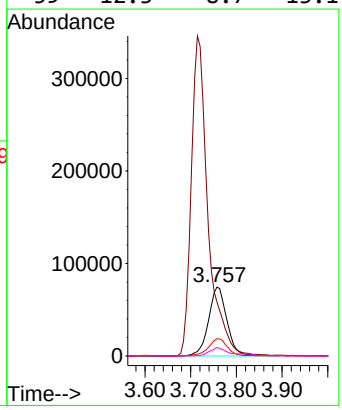
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

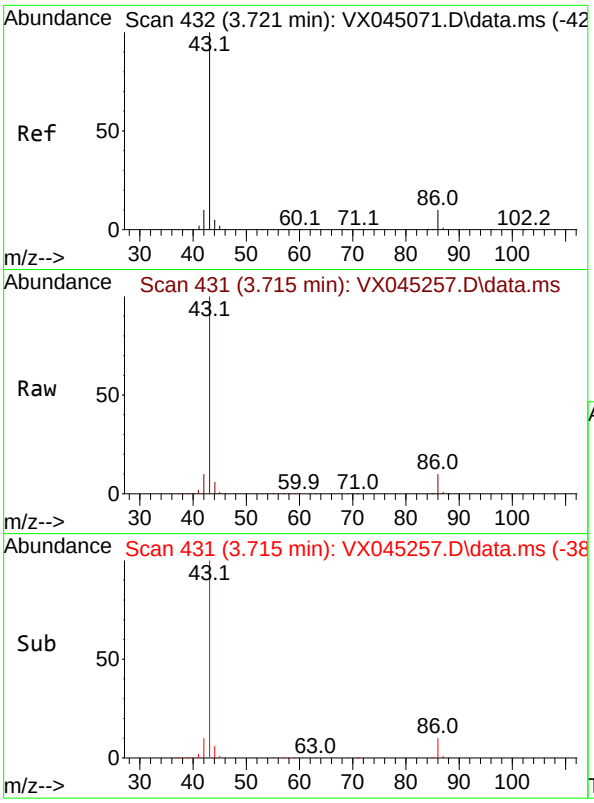


#22
Diisopropyl ether
Concen: 50.369 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 45 Resp: 208305

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	25.0	21.0	31.4
59	12.3	8.7	13.1





#23
Vinyl Acetate
Concen: 255.083 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

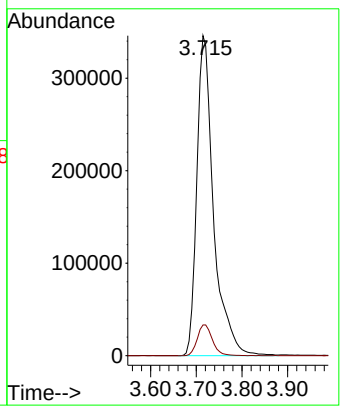
Tgt Ion: 43 Resp: 88034

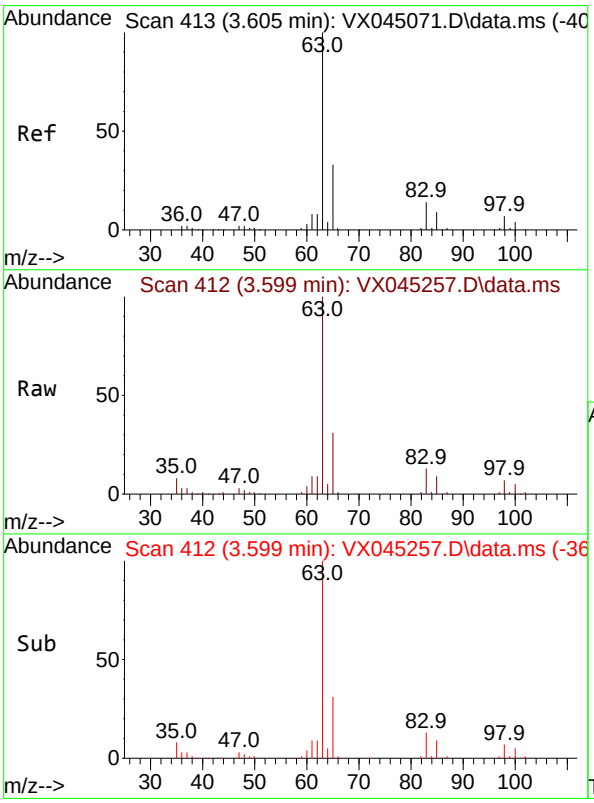
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

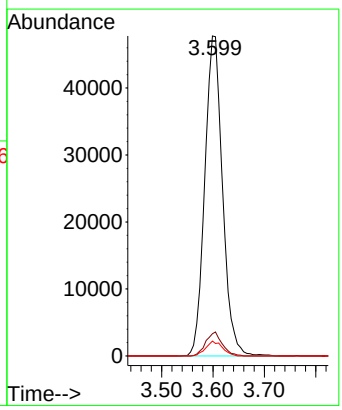


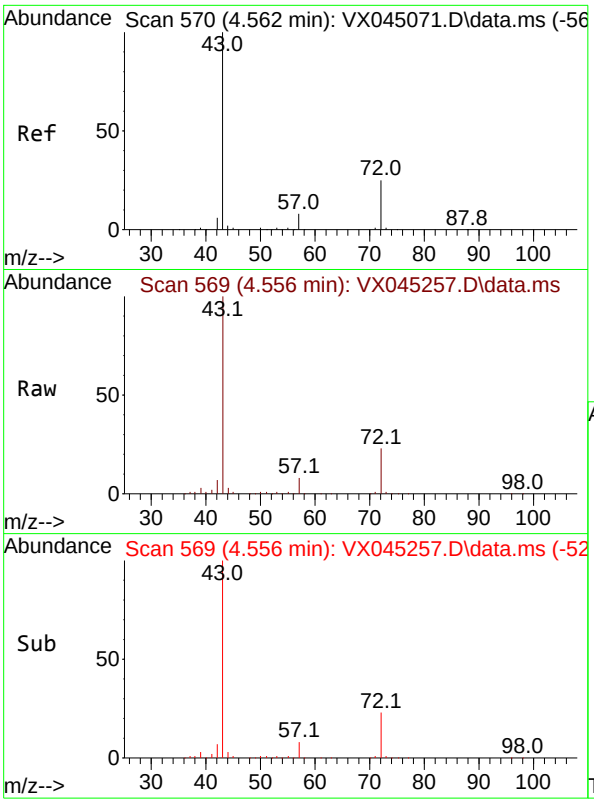


#24
1,1-Dichloroethane
Concen: 49.538 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 63 Resp: 114815

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 260.525 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

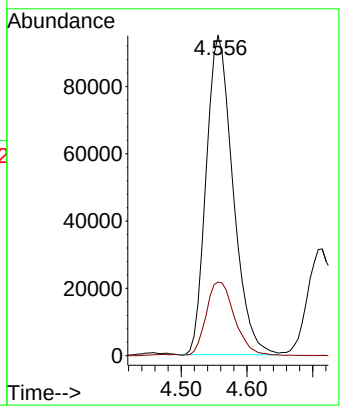
Tgt Ion: 43 Resp: 26906

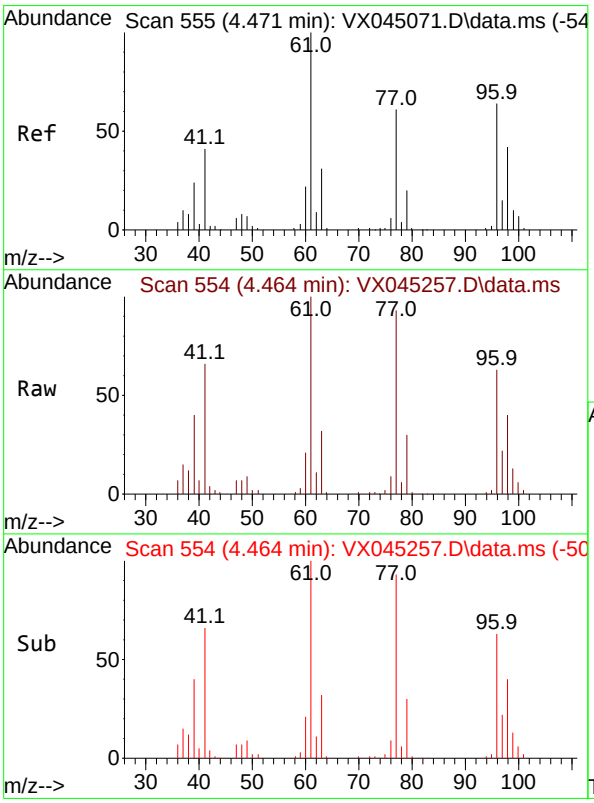
Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

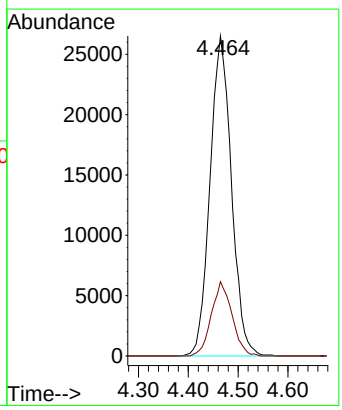


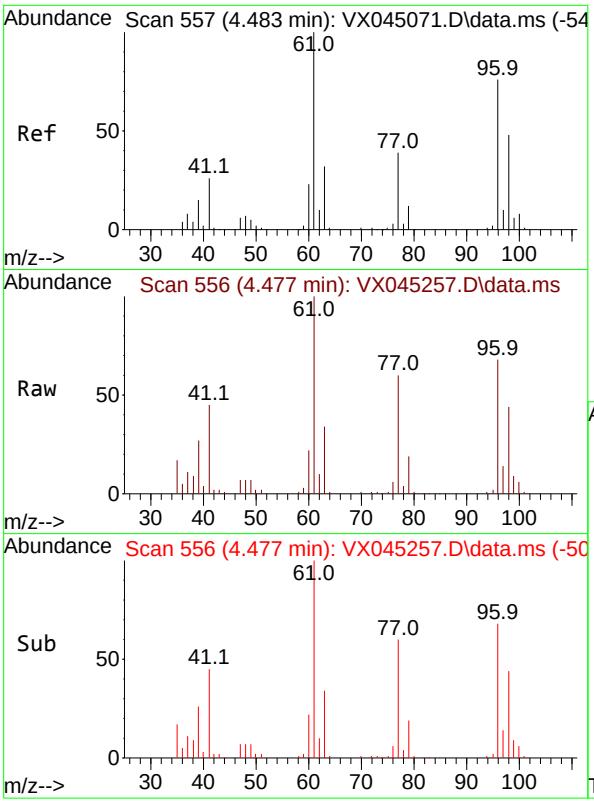


#26
2,2-Dichloropropane
Concen: 72.834 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 77 Resp: 79181

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0

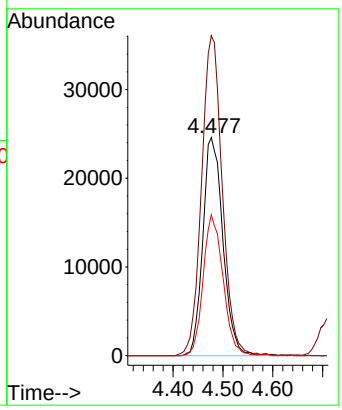




#27
cis-1,2-Dichloroethene
Concen: 49.445 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 96 Resp: 6888

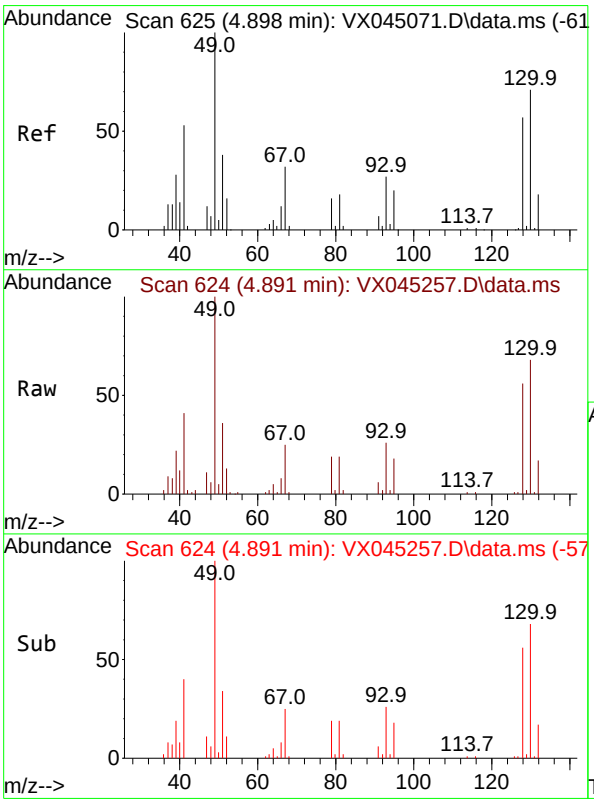
Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

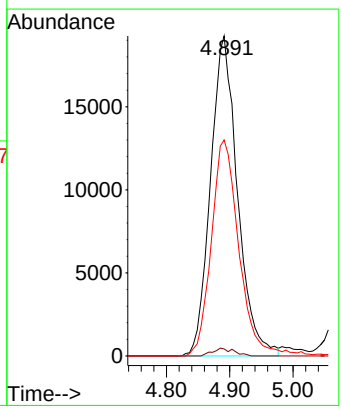
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

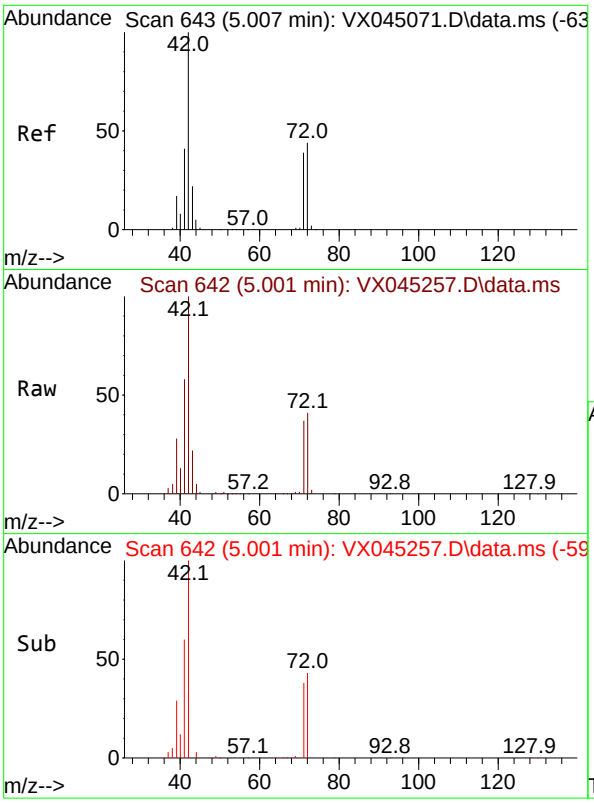


#28
Bromochloromethane
Concen: 51.659 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 49 Resp: 57070

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	69.1	56.1	84.1

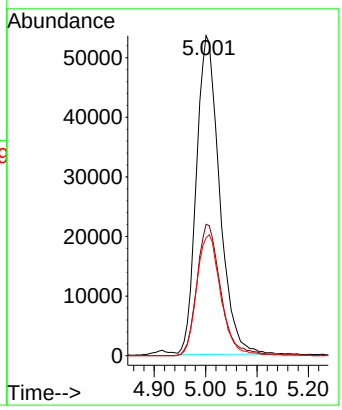




#29
Tetrahydrofuran
Concen: 240.995 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 42 Resp: 16714

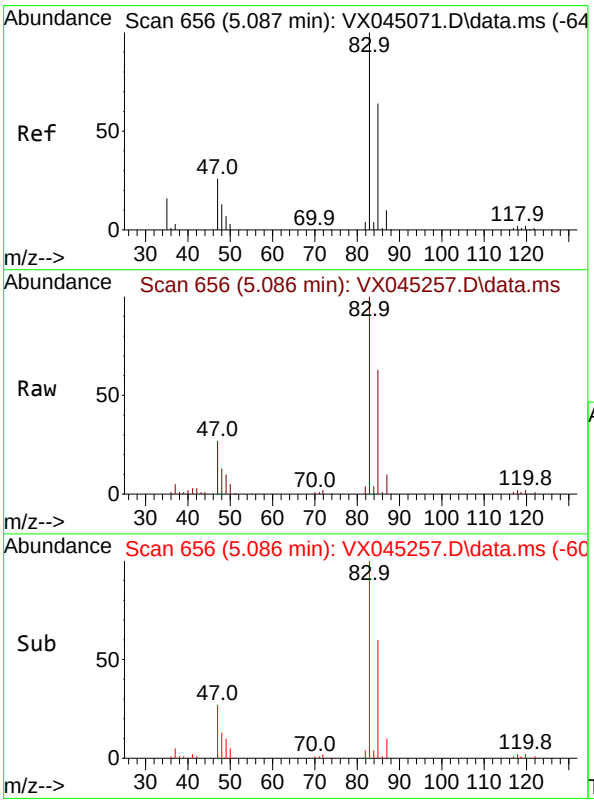
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.7	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

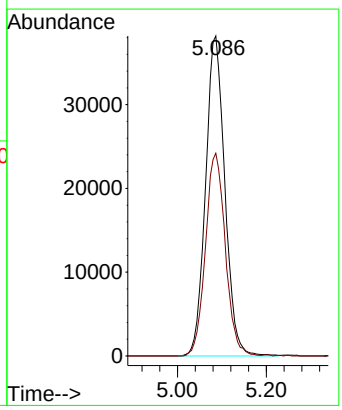
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

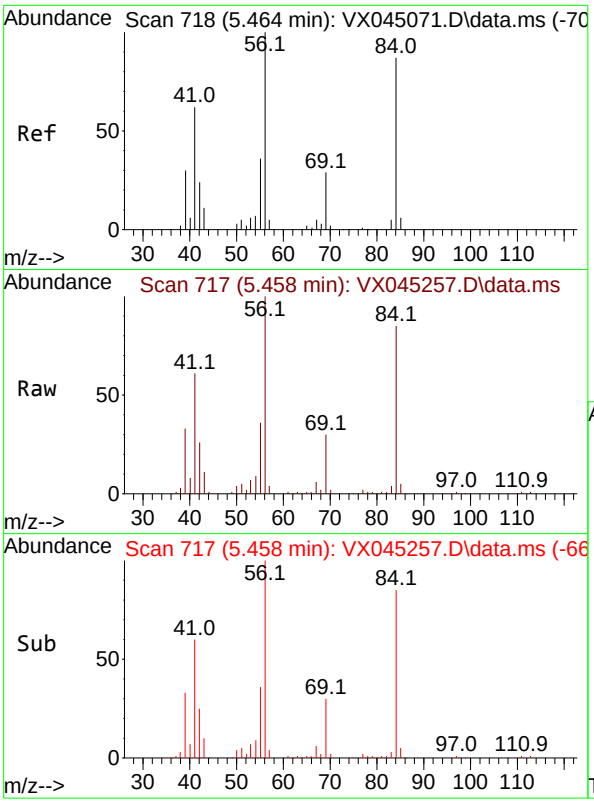


#30
Chloroform
Concen: 50.056 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 83 Resp: 115276

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2

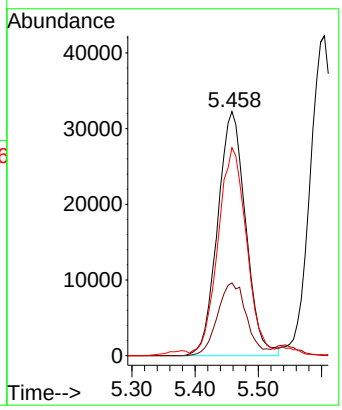




#31
Cyclohexane
Concen: 49.368 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 56 Resp: 9932

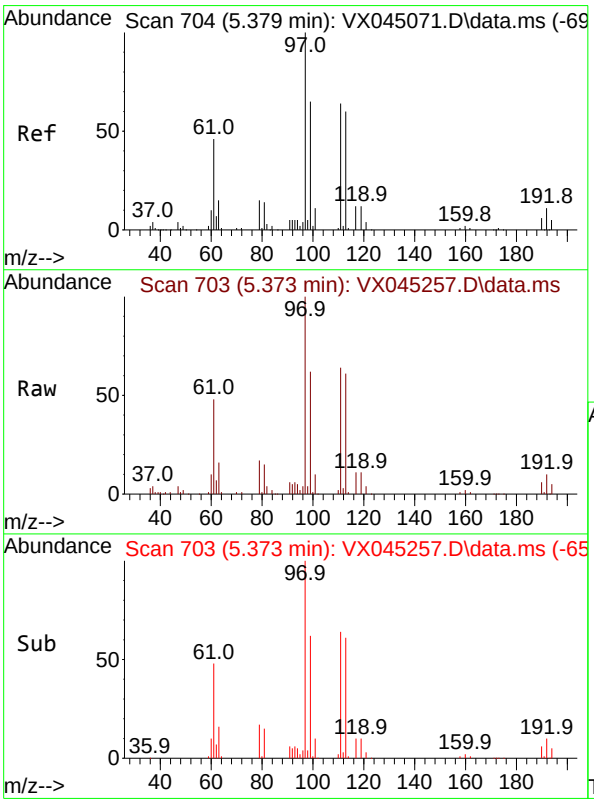
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.4	35.2
84	83.4	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

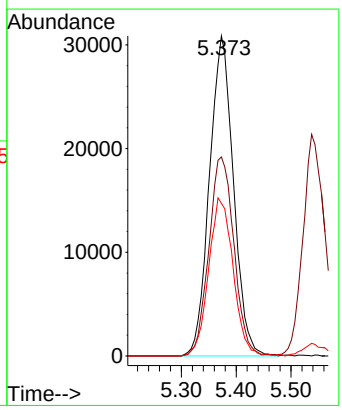
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

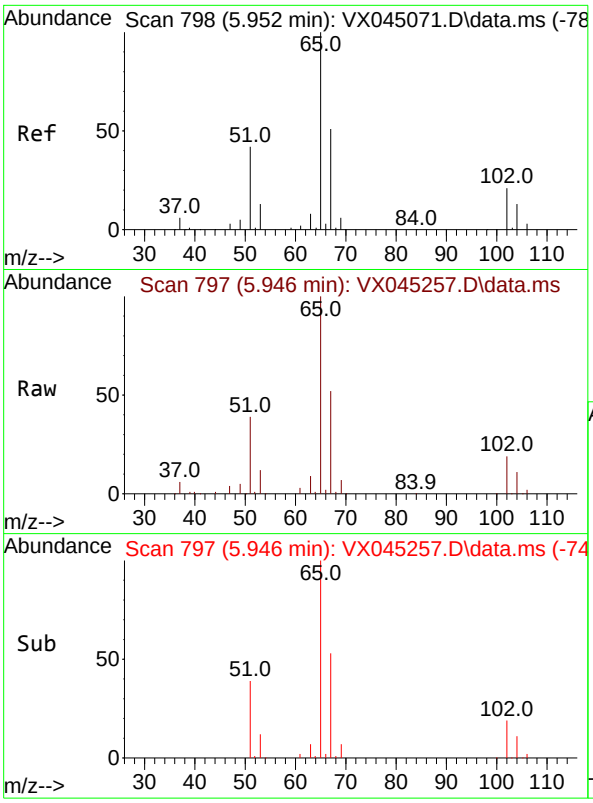


#32
1,1,1-Trichloroethane
Concen: 50.422 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 97 Resp: 93785

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	50.4	38.4	57.6

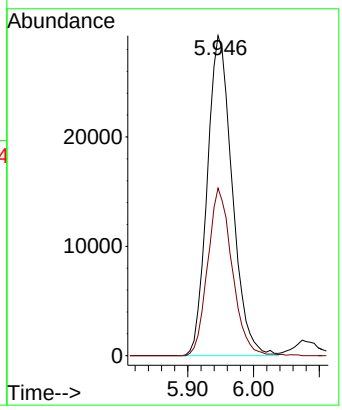




#33
1,2-Dichloroethane-d4
Concen: 52.297 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 65 Resp: 7733

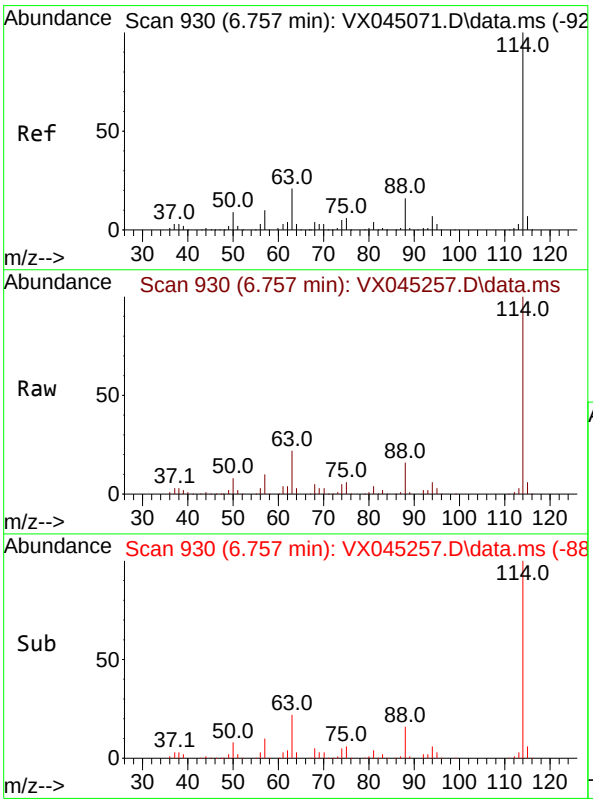
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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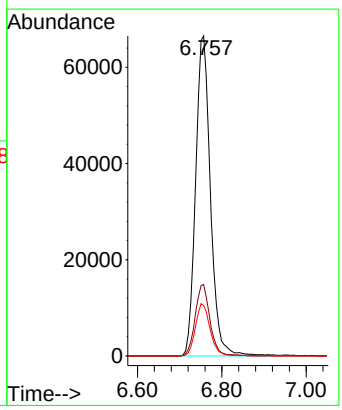
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

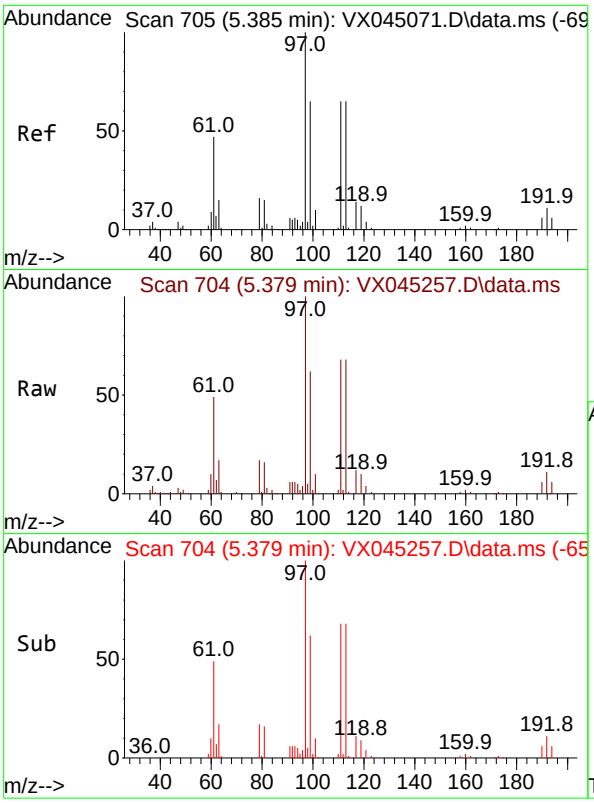


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:114 Resp: 162999

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	15.7	0.0	32.8

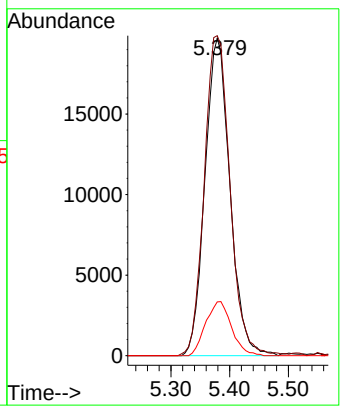




#35
Dibromofluoromethane
Concen: 53.317 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:113 Resp: 5811

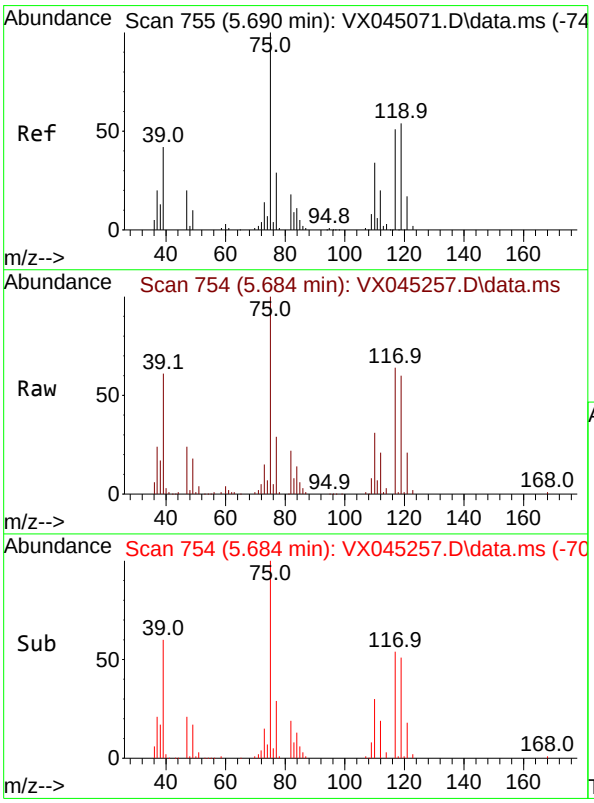
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

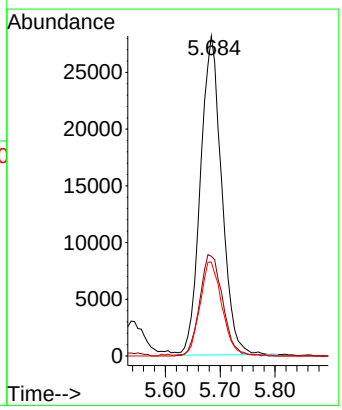
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

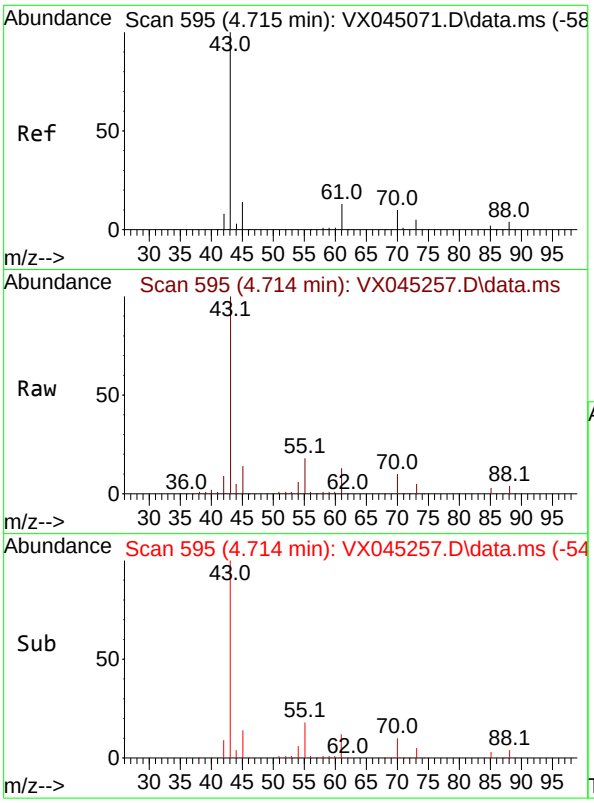


#36
1,1-Dichloropropene
Concen: 50.546 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 75552

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	30.8	24.5	36.7

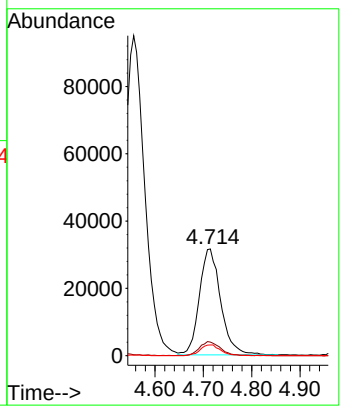




#37
Ethyl Acetate
Concen: 50.189 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 9666

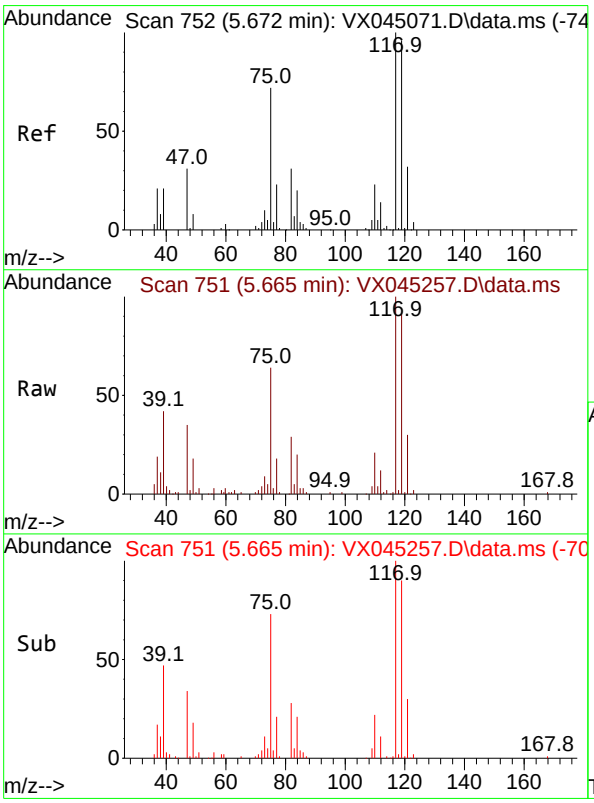
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

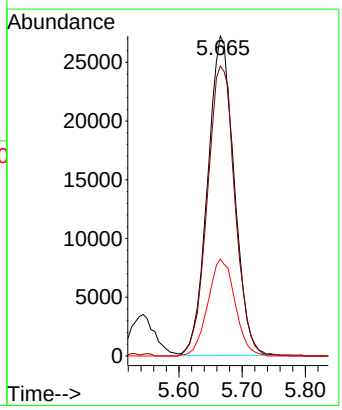
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

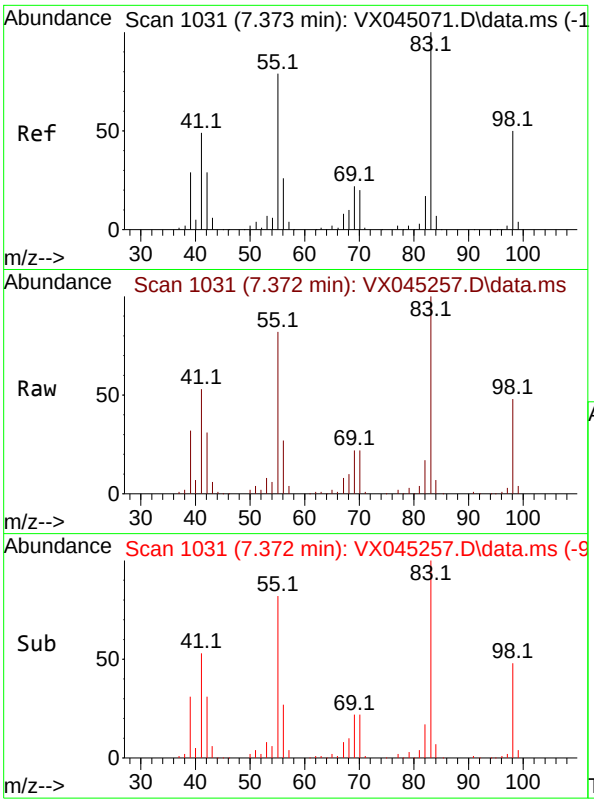


#38
Carbon Tetrachloride
Concen: 52.271 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:117 Resp: 79322

Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.7	115.1
121	30.4	25.5	38.3

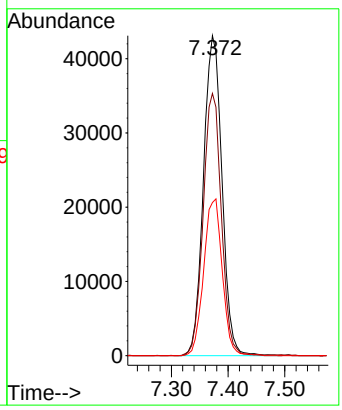




#39
Methylcyclohexane
Concen: 54.710 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 83 Resp: 9798

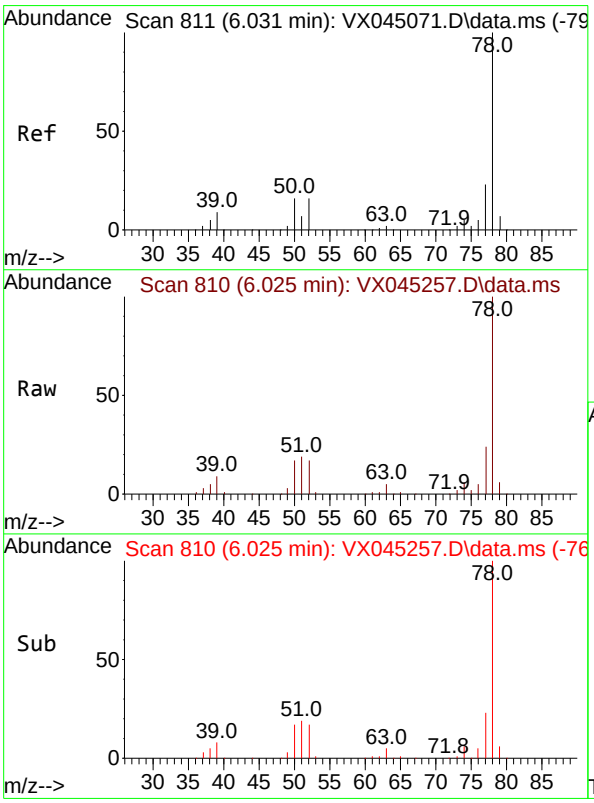
Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

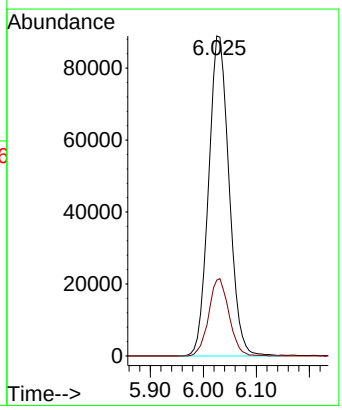
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

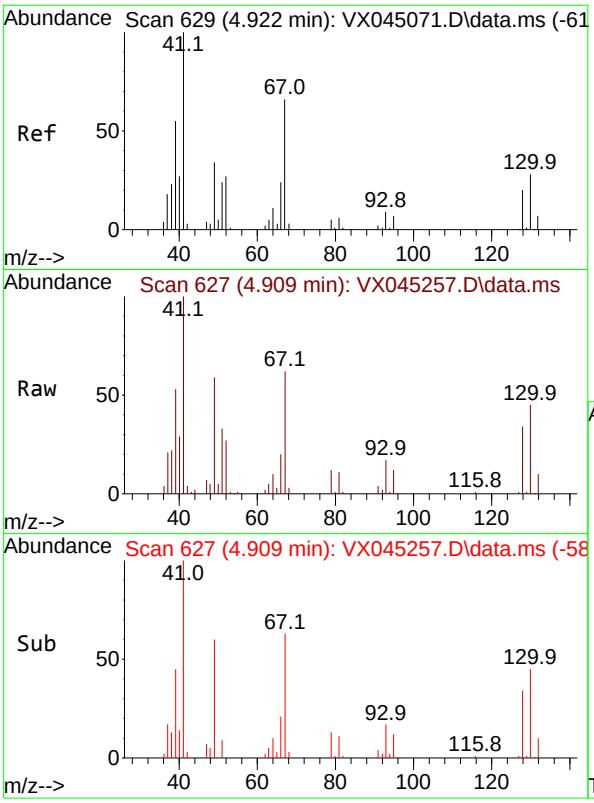


#40
Benzene
Concen: 50.537 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 78 Resp: 238534

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

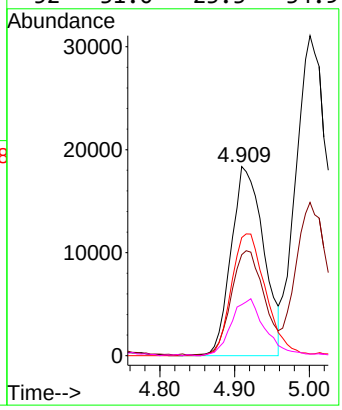




#41
Methacrylonitrile
Concen: 53.340 ug/l
RT: 4.909 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 41 Resp: 5555

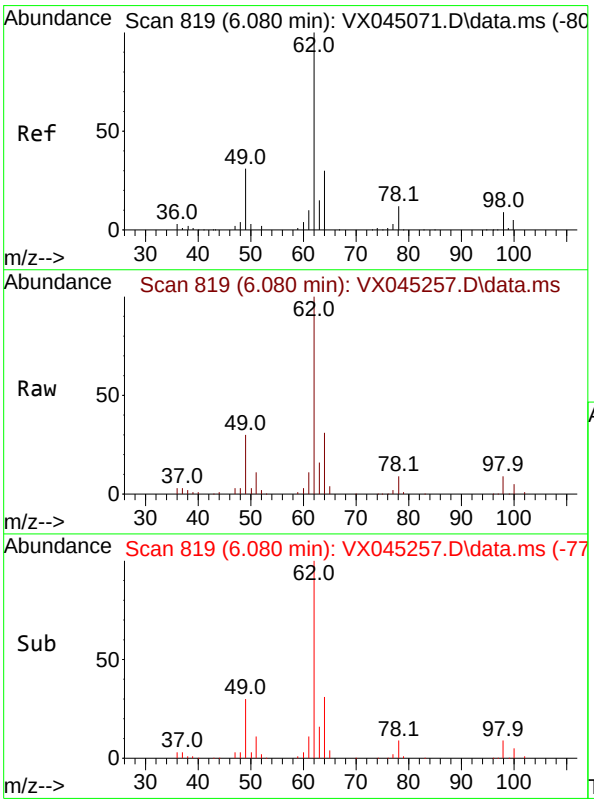
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	67.9	53.9	80.9
52	31.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

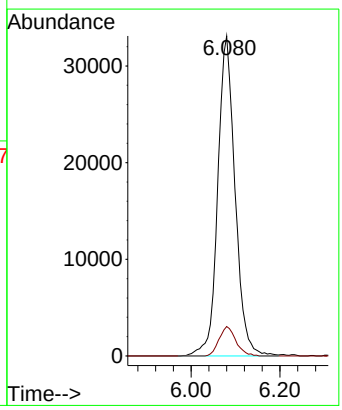
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

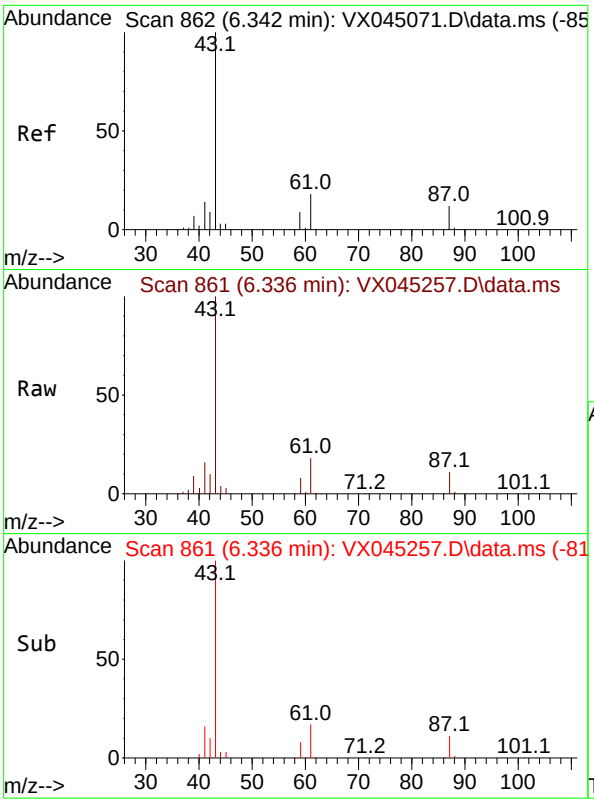


#42
1,2-Dichloroethane
Concen: 52.542 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 62 Resp: 89305

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

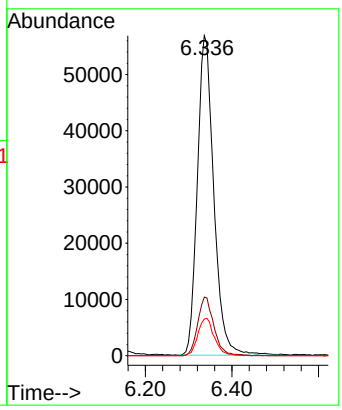




#43
Isopropyl Acetate
Concen: 52.647 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 14994

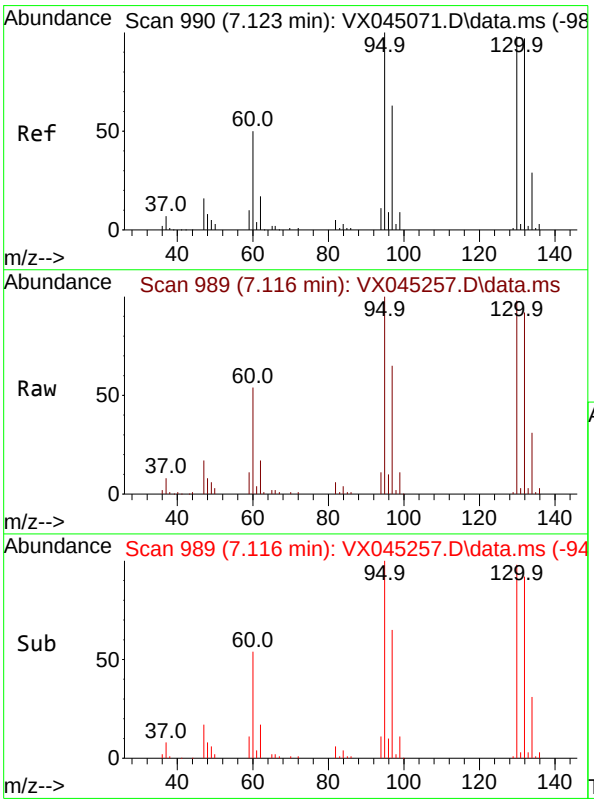
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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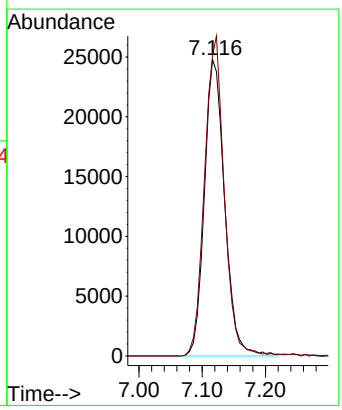
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

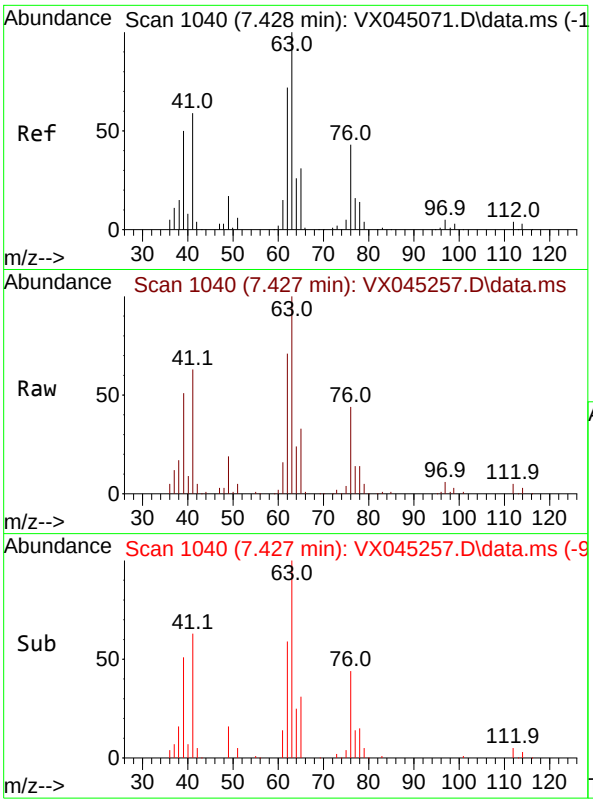


#44
Trichloroethene
Concen: 49.801 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:130 Resp: 55195

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	205.0





#45
1,2-Dichloropropane
Concen: 50.174 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

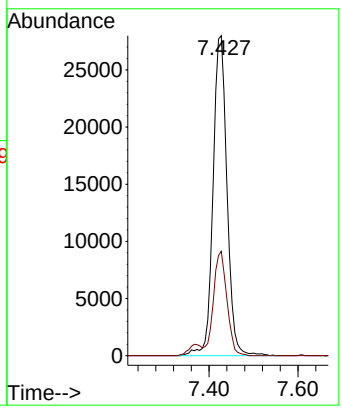
Tgt Ion: 63 Resp: 6088

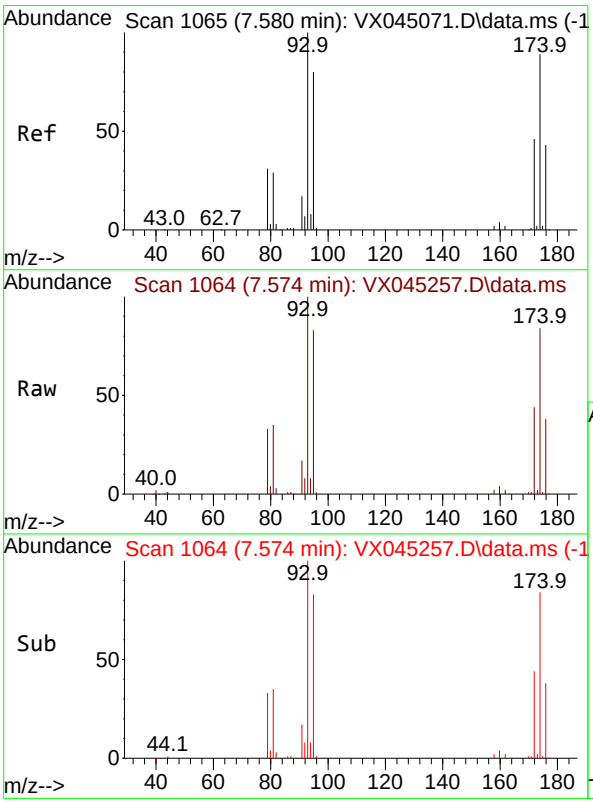
Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

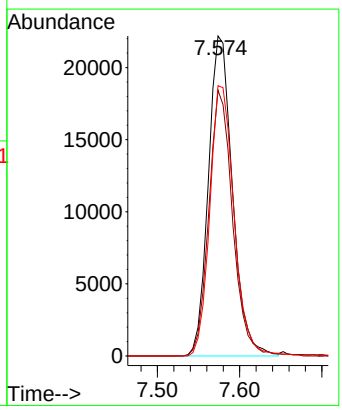


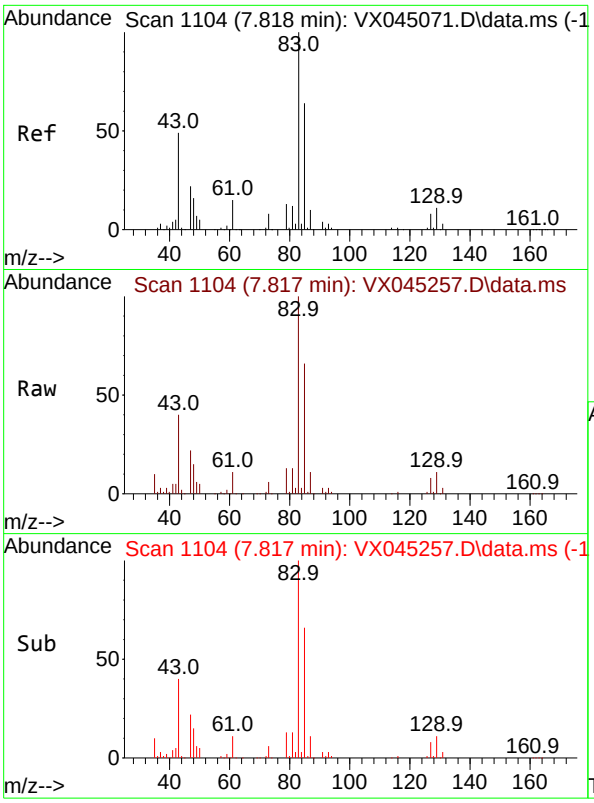


#46
Dibromomethane
Concen: 52.654 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 93 Resp: 45165

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.1	72.2	108.2

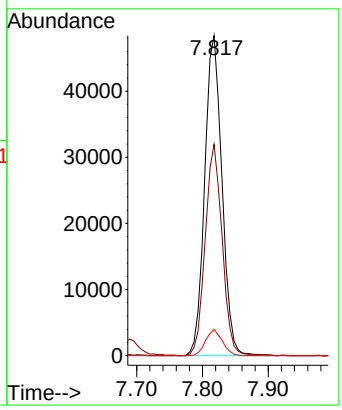




#47
Bromodichloromethane
Concen: 52.546 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 83 Resp: 8840

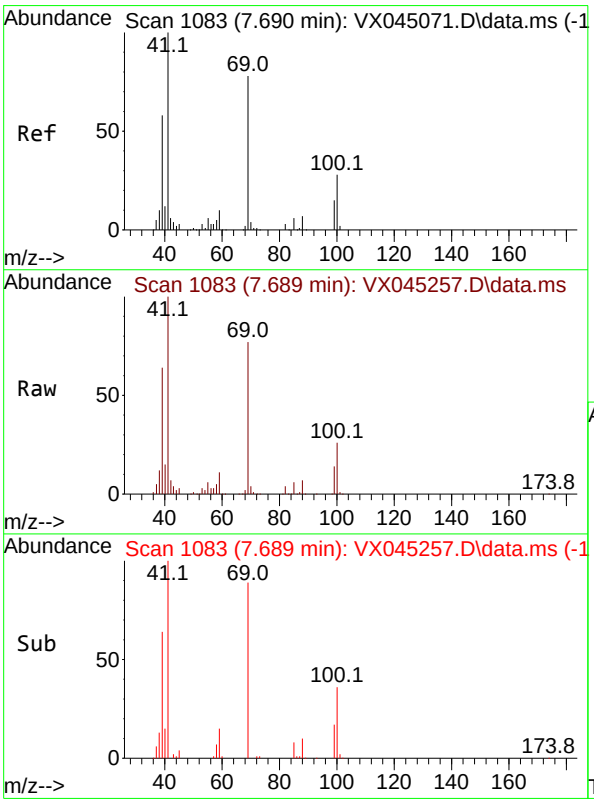
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	8.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

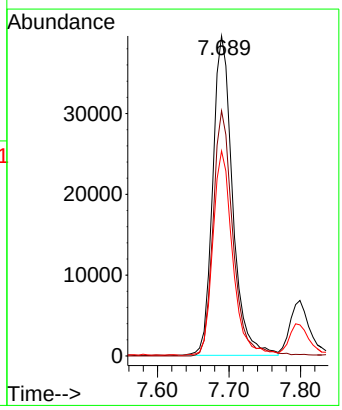
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

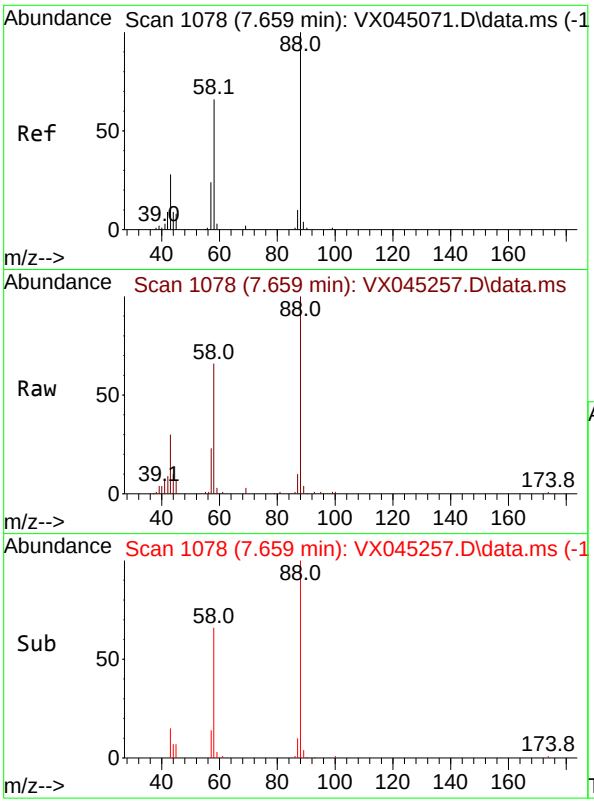


#48
Methyl methacrylate
Concen: 53.300 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 41 Resp: 76158

Ion	Ratio	Lower	Upper
41	100		
69	77.4	63.0	94.6
39	63.8	47.5	71.3

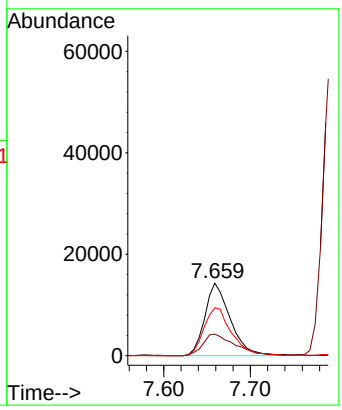




#49
1,4-Dioxane
Concen: 964.689 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 88 Resp: 2907

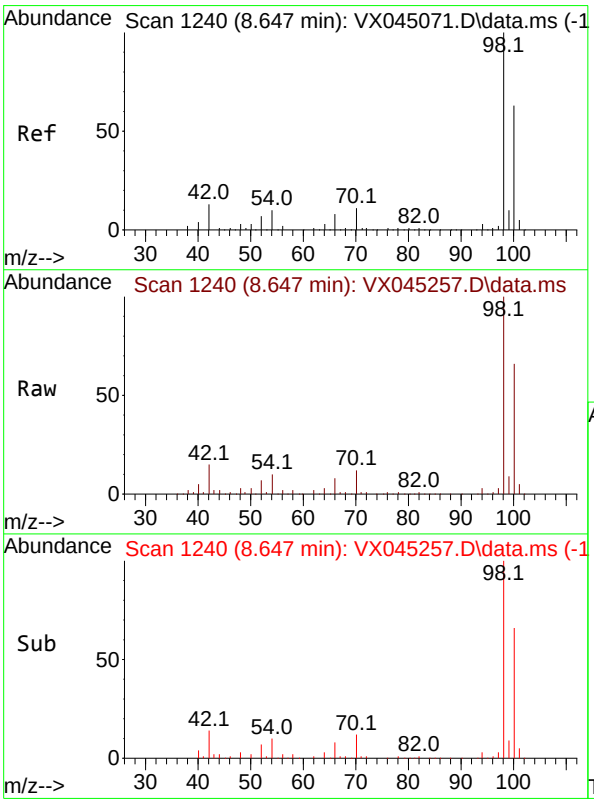
Ion	Ratio	Lower	Upper
88	100		
43	37.7	28.7	43.1
58	71.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

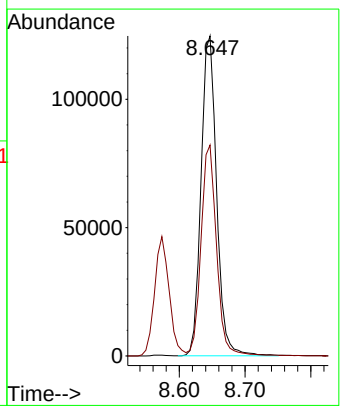
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

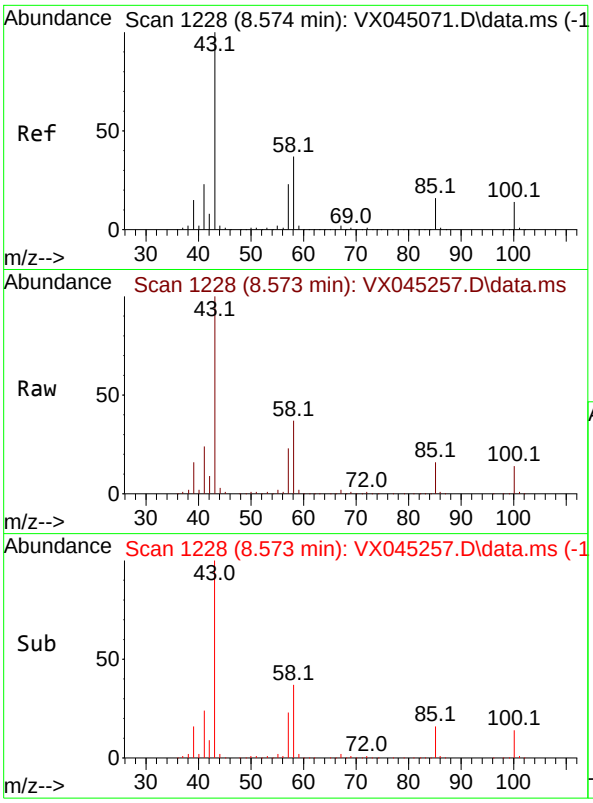


#50
Toluene-d8
Concen: 51.934 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 98 Resp: 205212

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0

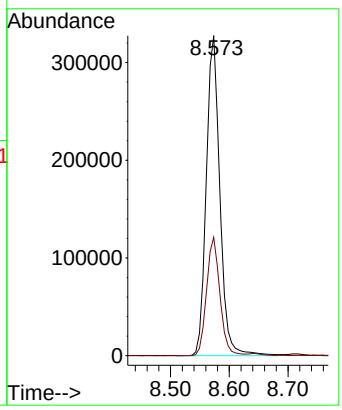




#51
4-Methyl-2-Pentanone
Concen: 276.238 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 52825

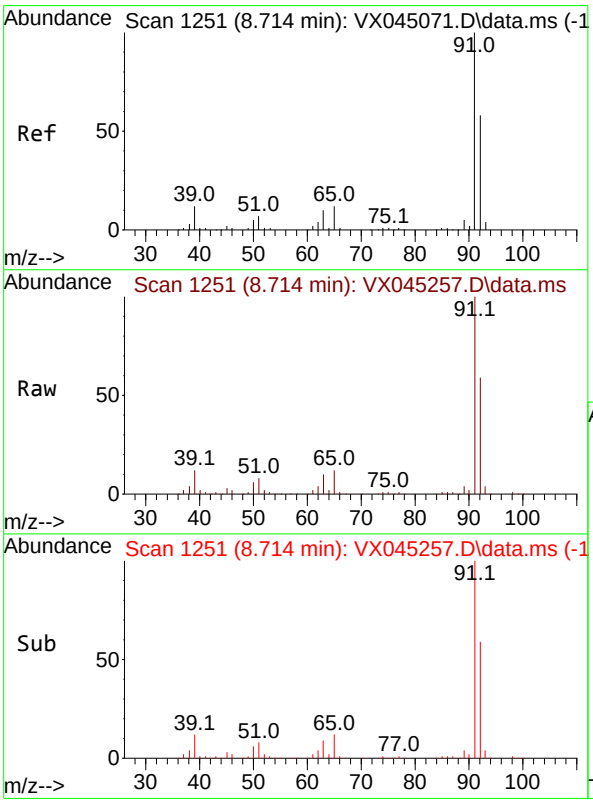
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

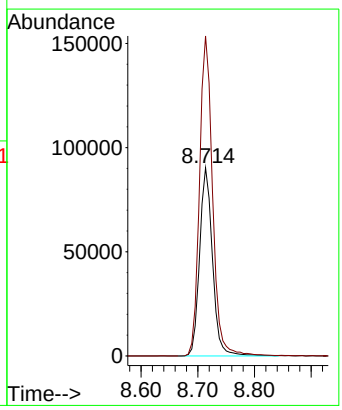
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

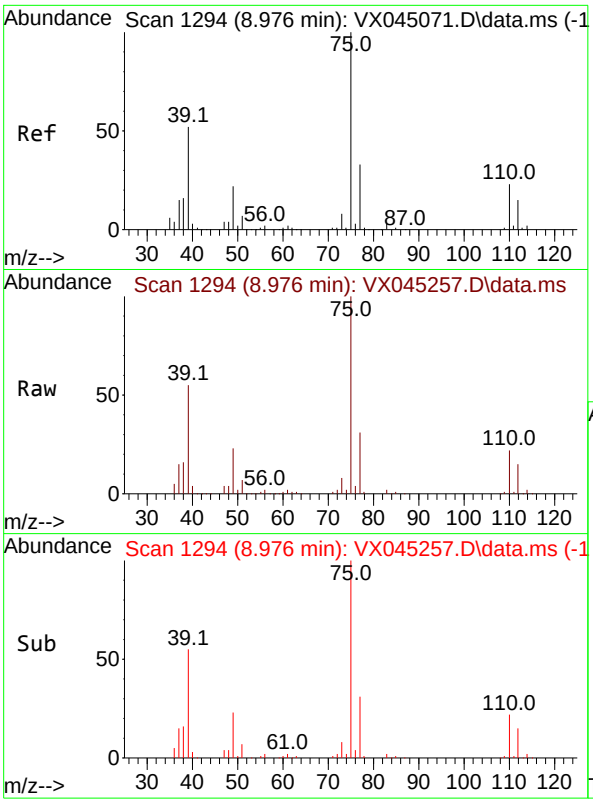


#52
Toluene
Concen: 51.486 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 92 Resp: 142581

Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.9	208.3

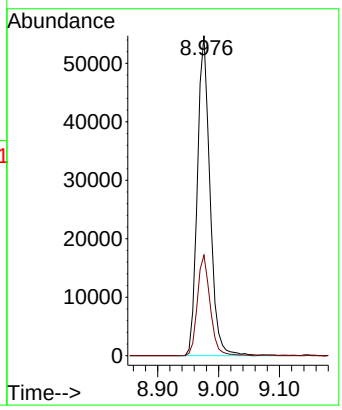




#53
t-1,3-Dichloropropene
Concen: 55.945 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 7869

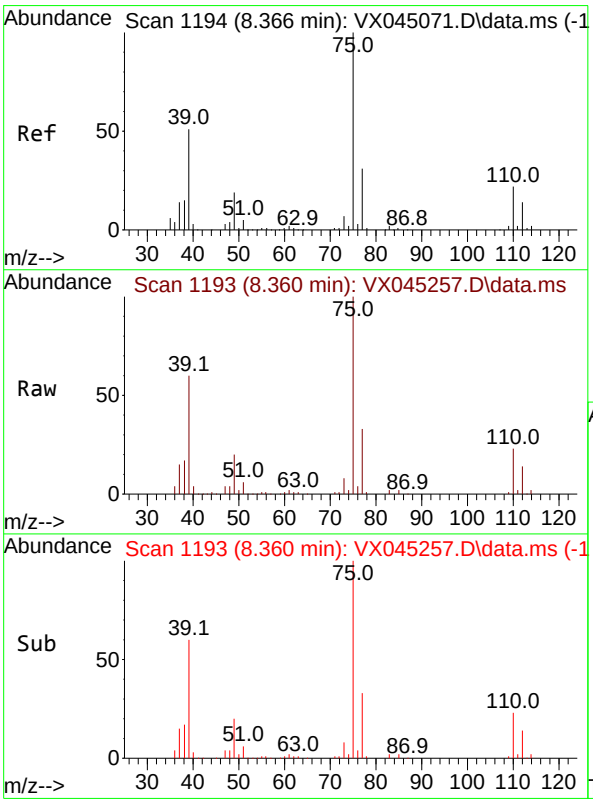
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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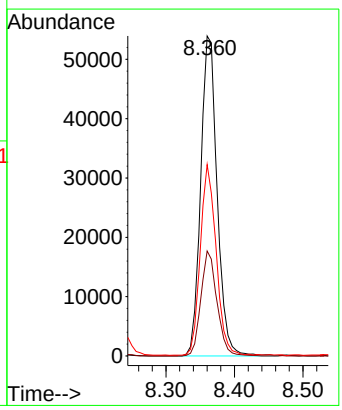
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

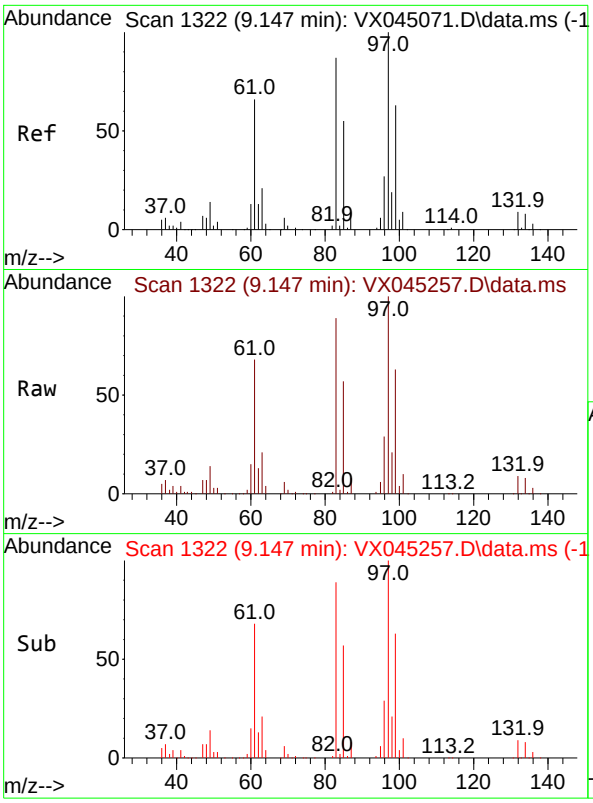


#54
cis-1,3-Dichloropropene
Concen: 55.043 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 90280

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.7	37.1
39	59.6	40.7	61.1

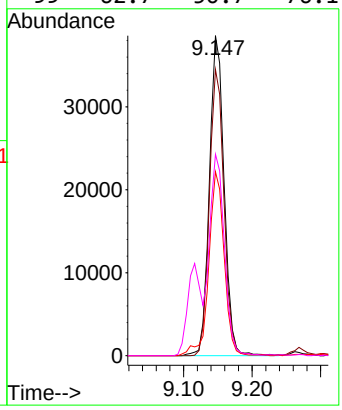




#55
1,1,2-Trichloroethane
Concen: 50.560 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 97 Resp: 5764

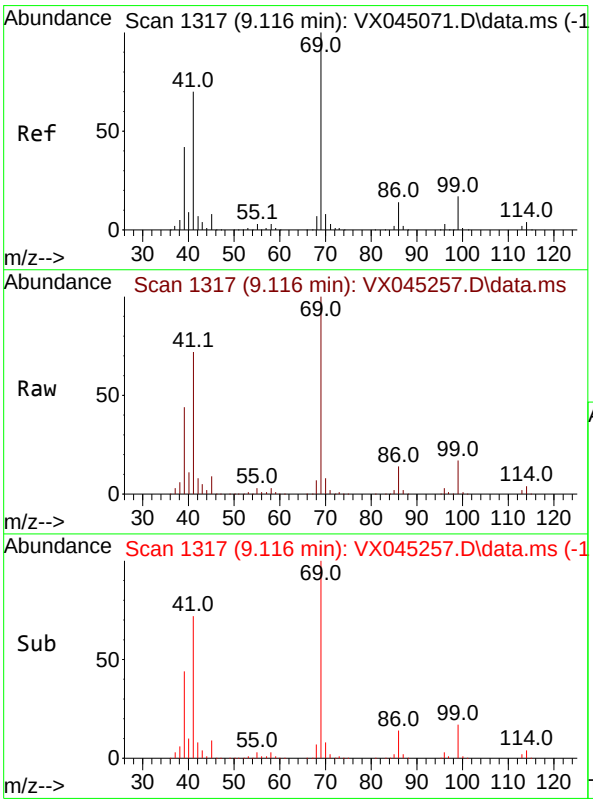
Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.2
85	57.5	44.1	66.1
99	62.7	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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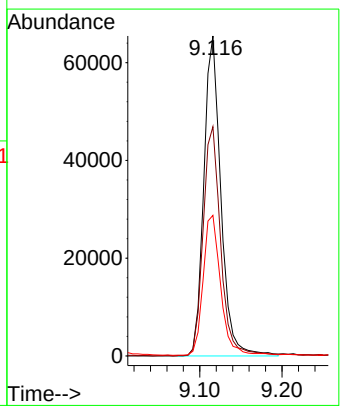
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

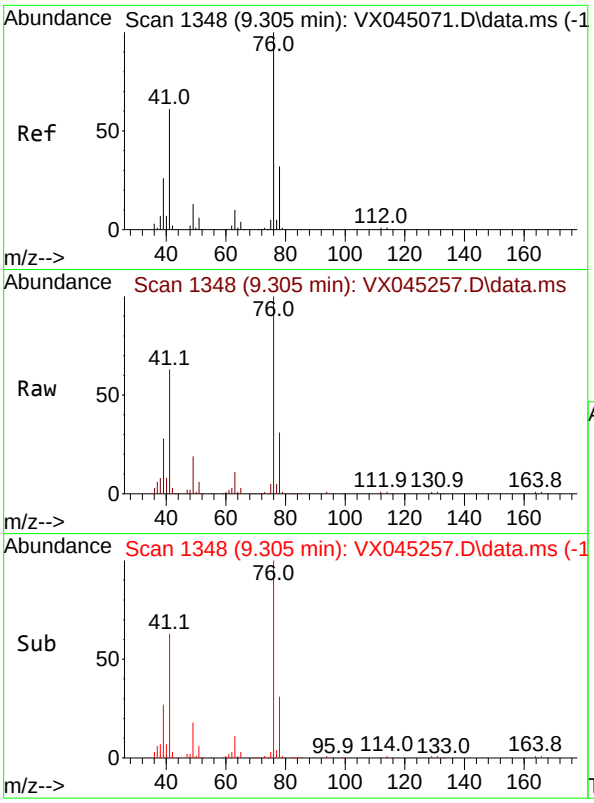


#56
Ethyl methacrylate
Concen: 54.596 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 69 Resp: 94614

Ion	Ratio	Lower	Upper
69	100		
41	74.3	57.0	85.4
39	45.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 51.310 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

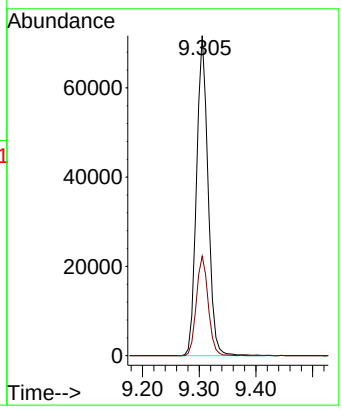
Tgt Ion: 76 Resp: 10123

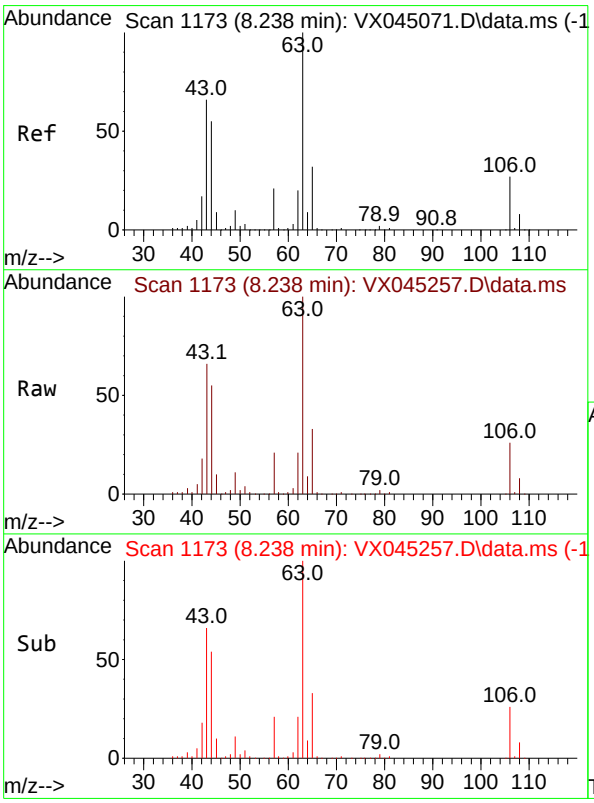
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

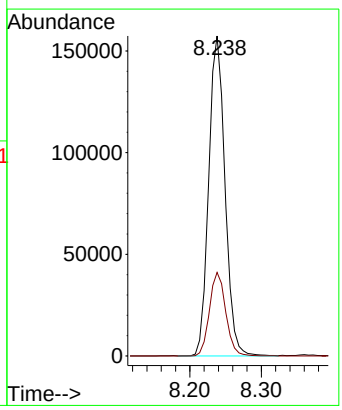


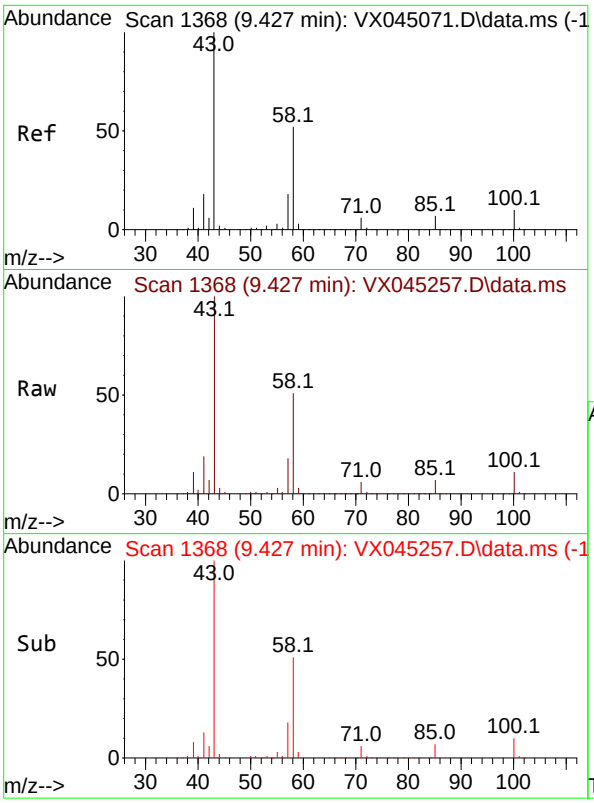


#58
2-Chloroethyl Vinyl ether
Concen: 294.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 63 Resp: 249068

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 280.952 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

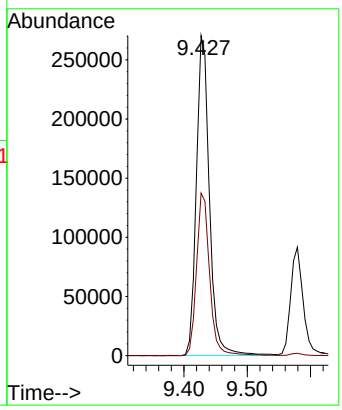
Tgt Ion: 43 Resp: 38927

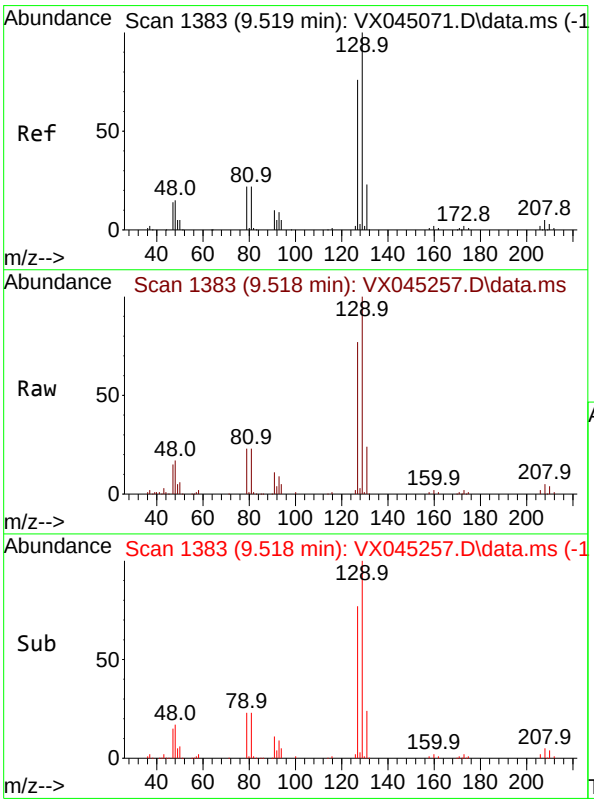
Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

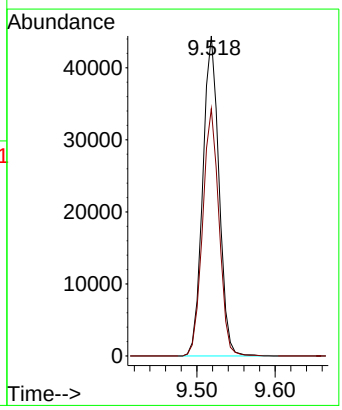


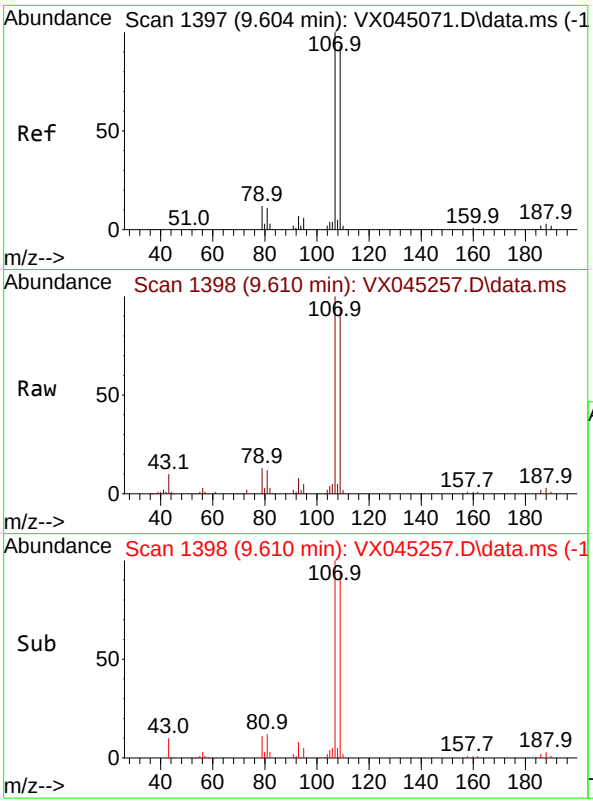


#60
Dibromochloromethane
Concen: 53.523 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:129 Resp: 63802

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.5

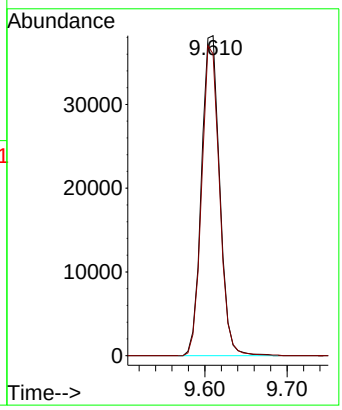




#61
1,2-Dibromoethane
Concen: 51.655 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:107 Resp: 5879

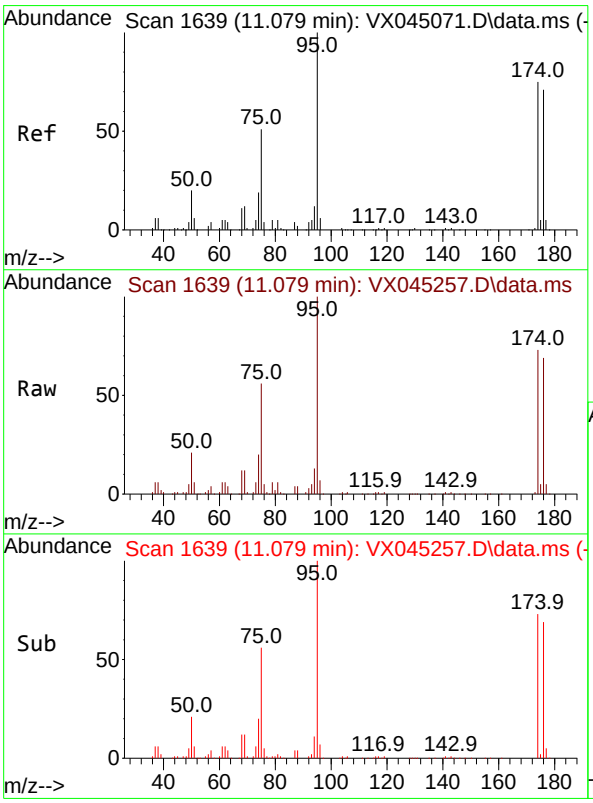
Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

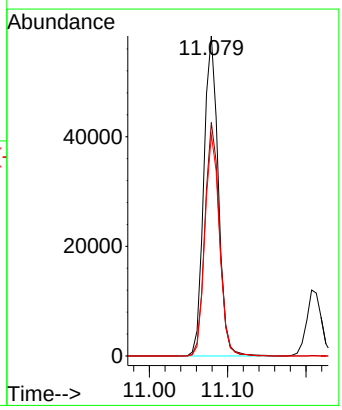
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

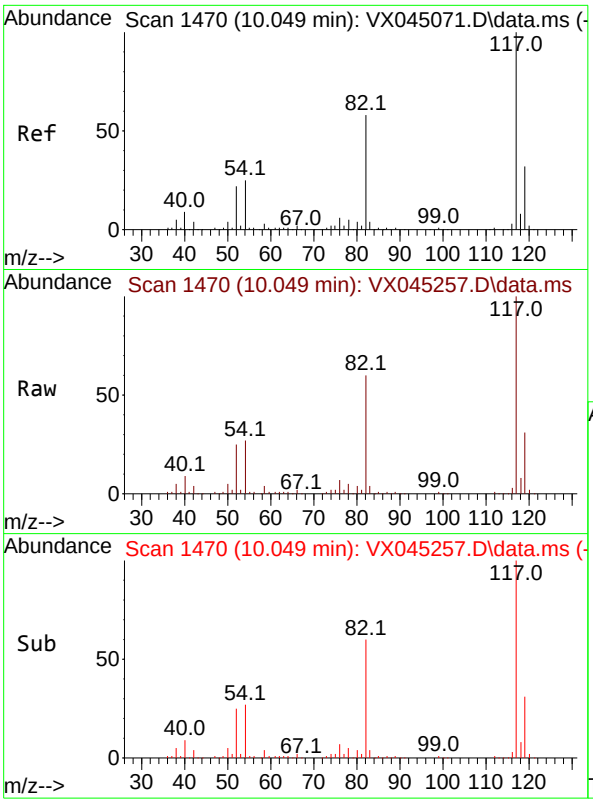


#62
4-Bromofluorobenzene
Concen: 57.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 95 Resp: 74669

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	69.6	0.0	141.4

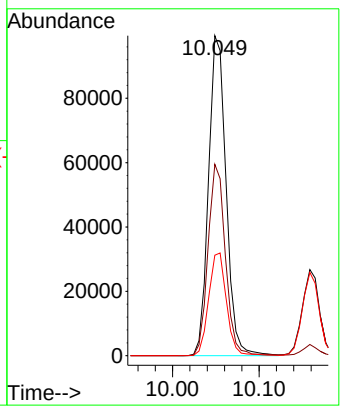




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:117 Resp: 14018

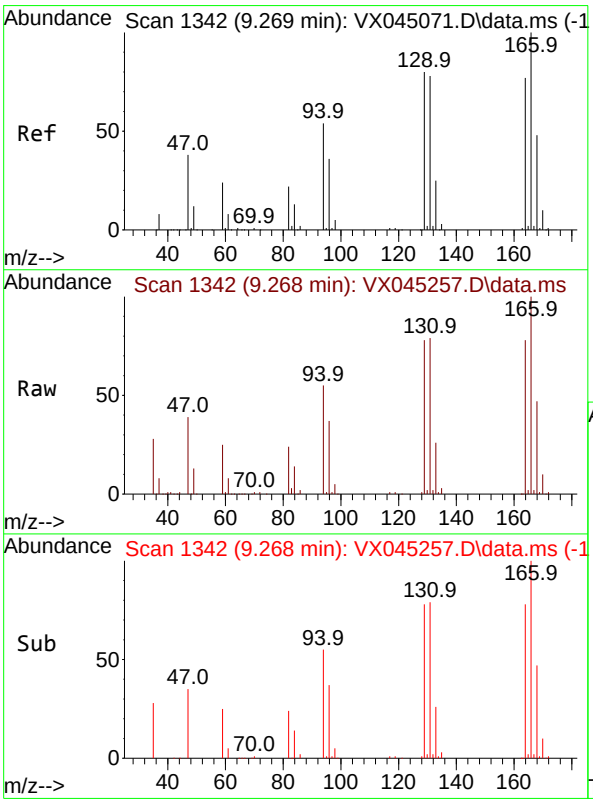
Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	31.4	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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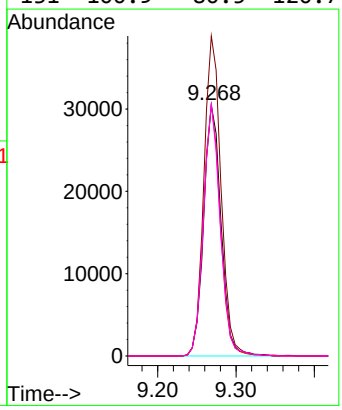
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

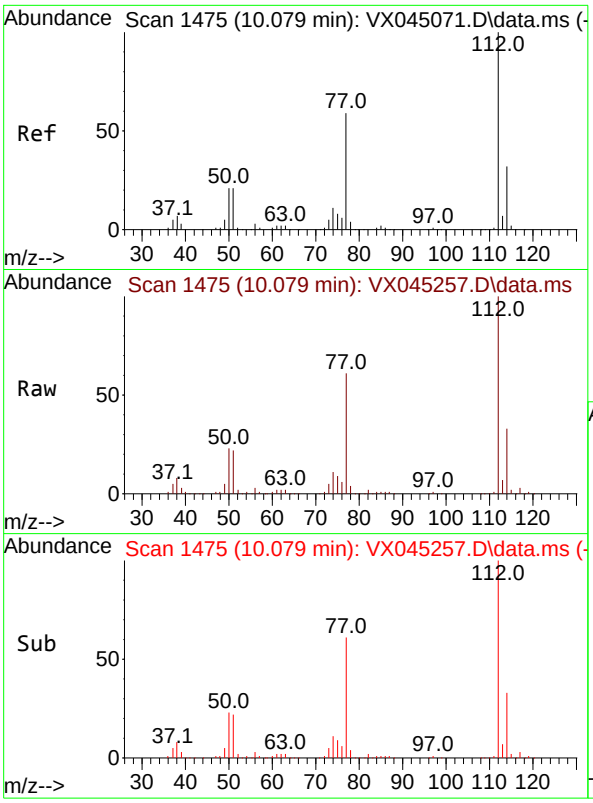


#64
Tetrachloroethene
Concen: 52.106 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:164 Resp: 46782

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	100.1	82.7	124.1
131	100.9	80.5	120.7

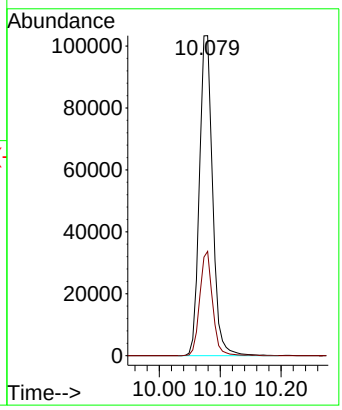




#65
Chlorobenzene
Concen: 52.401 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:112 Resp: 15543

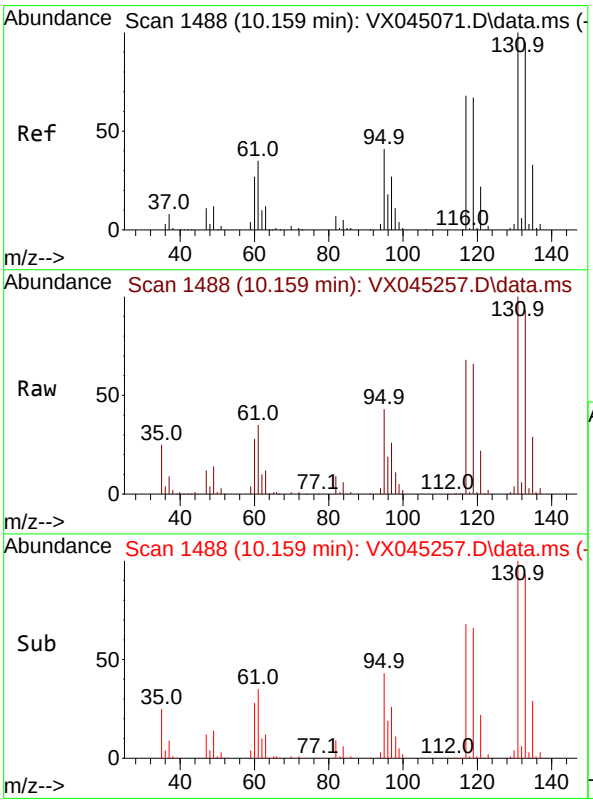
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

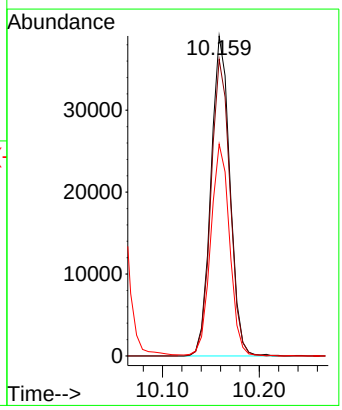
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

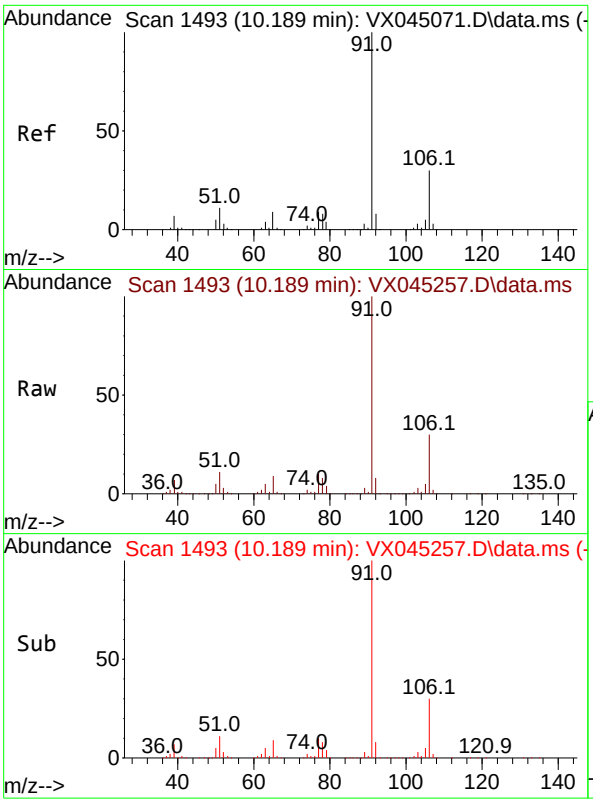


#66
1,1,1,2-Tetrachloroethane
Concen: 53.887 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:131 Resp: 53231

Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.6	145.9
119	66.1	33.9	101.7





#67
Ethyl Benzene
Concen: 53.287 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

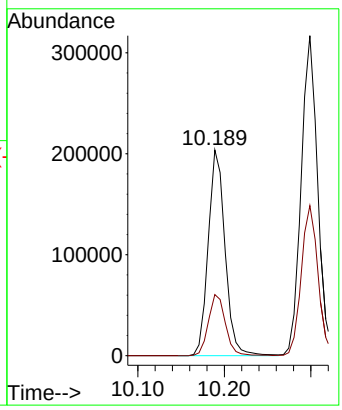
Tgt Ion: 91 Resp: 27541

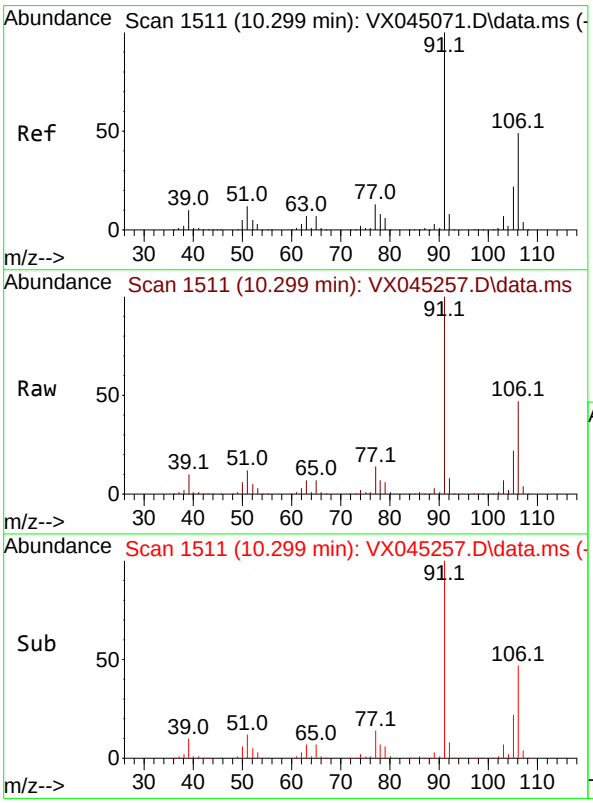
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

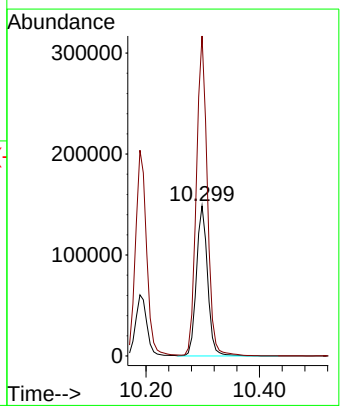


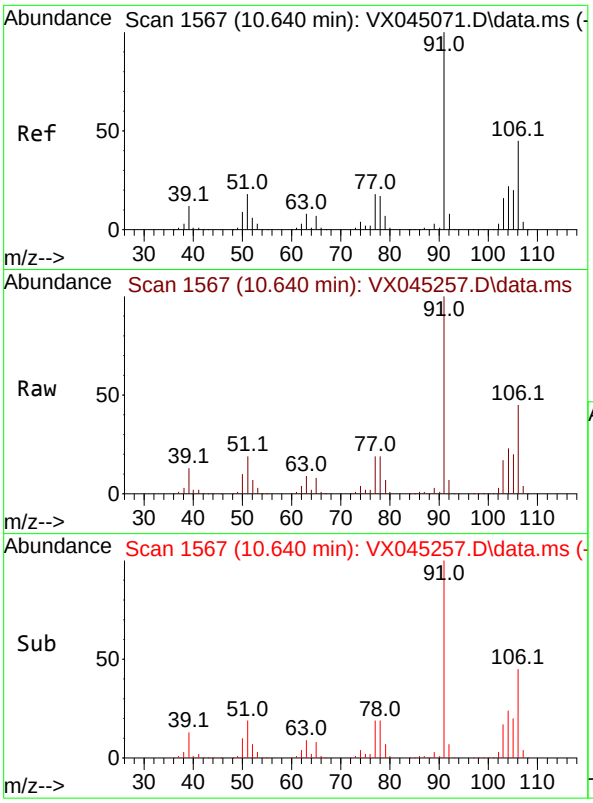


#68
m/p-Xylenes
Concen: 107.038 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:106 Resp: 202522

Ion	Ratio	Lower	Upper
106	100		
91	209.8	165.4	248.0

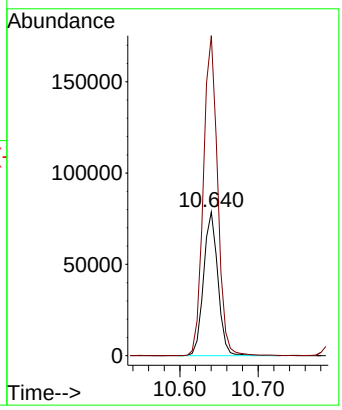




#69
o-Xylene
Concen: 52.192 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:106 Resp: 9959

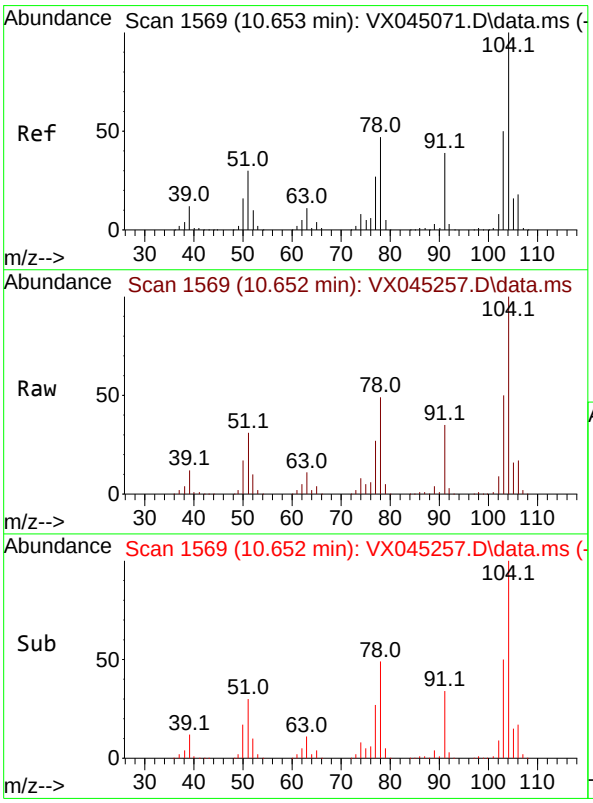
Ion	Ratio	Lower	Upper
106	100		
91	222.4	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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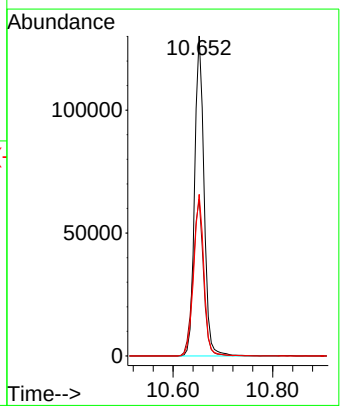
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

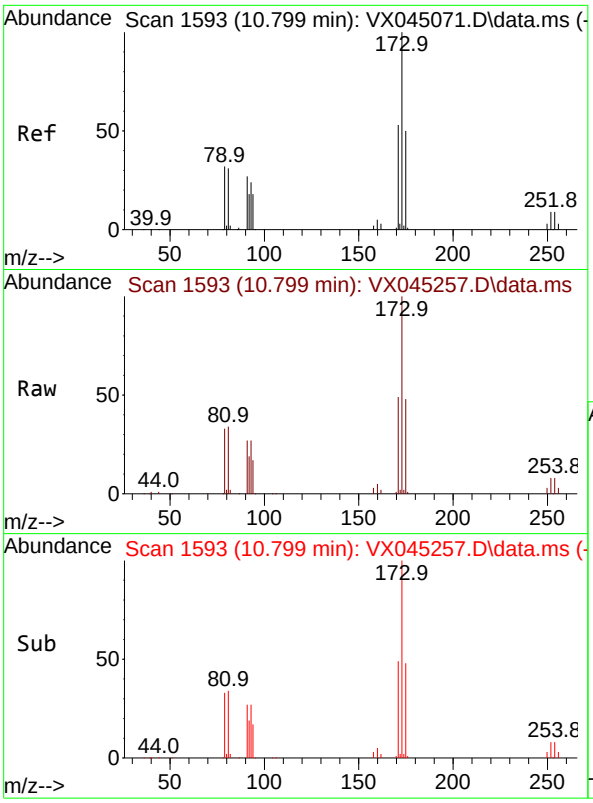


#70
Styrene
Concen: 55.336 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:104 Resp: 170860

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8

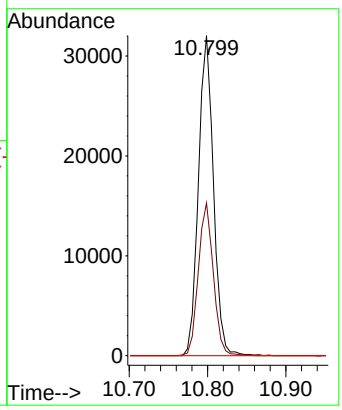




#71
Bromoform
Concen: 57.300 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:173 Resp: 4268

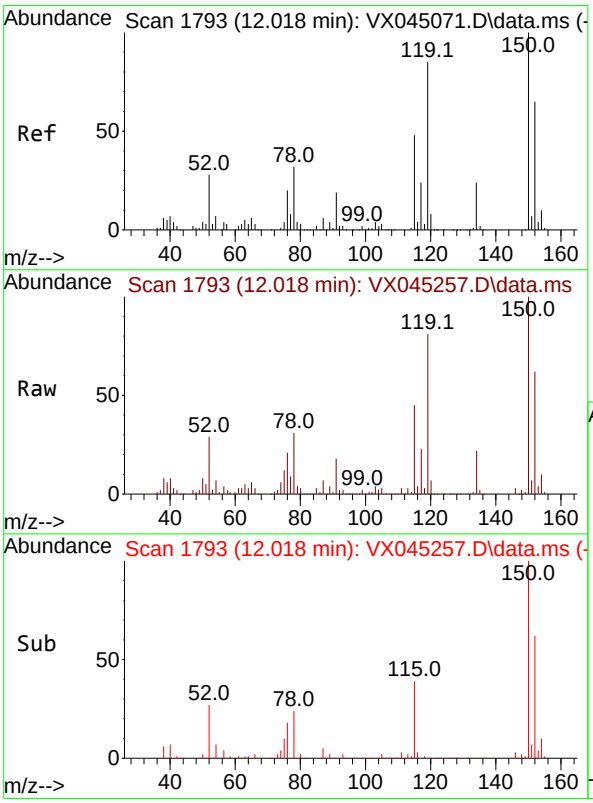
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

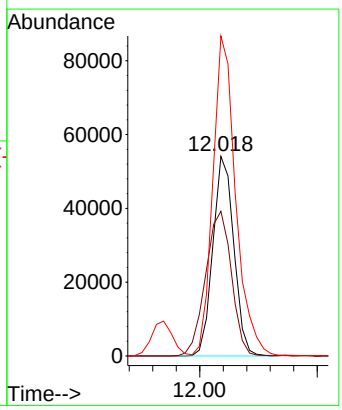
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

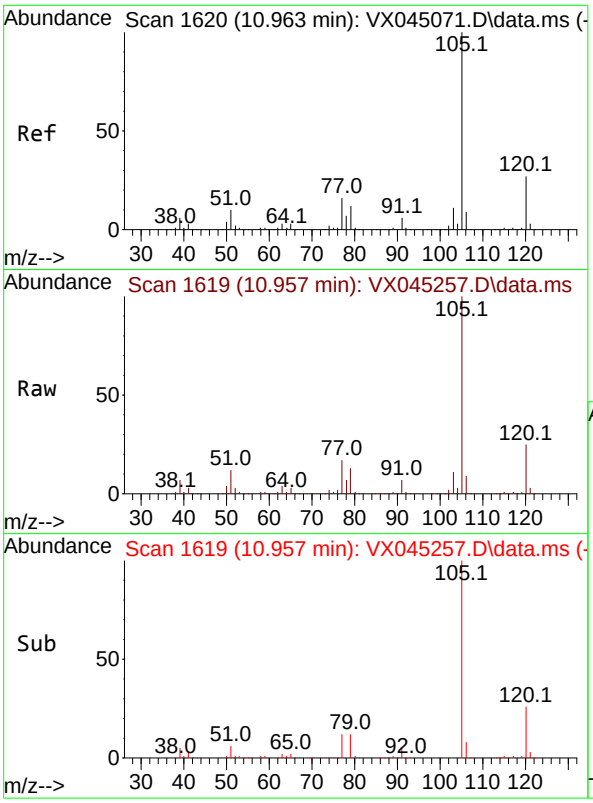


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:152 Resp: 66961

Ion	Ratio	Lower	Upper
152	100		
115	89.6	44.2	132.6
150	175.6	0.0	349.0





#73
Isopropylbenzene
Concen: 51.016 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

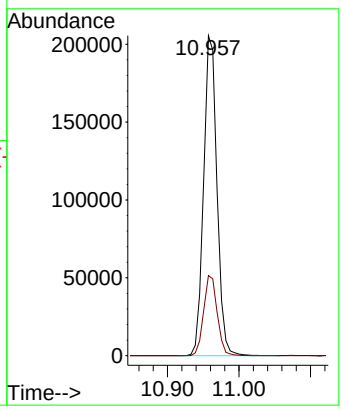
Tgt Ion:105 Resp: 26663

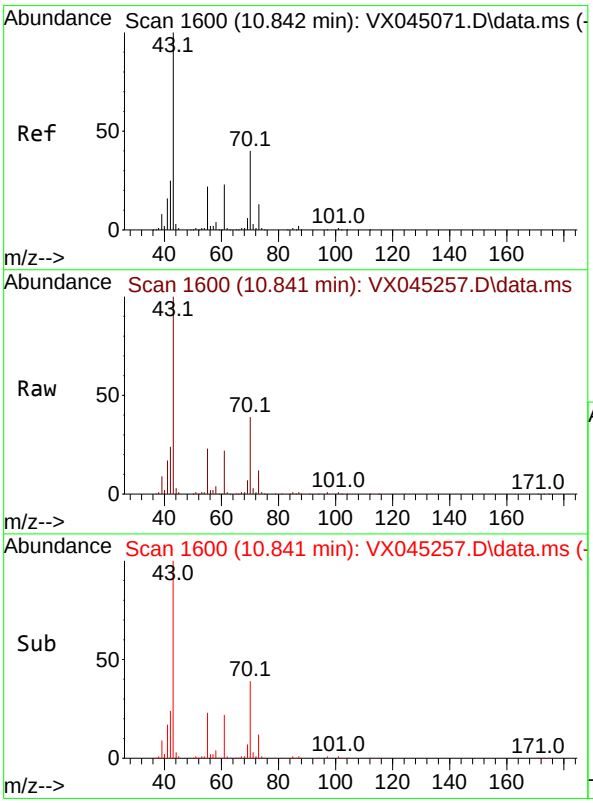
Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

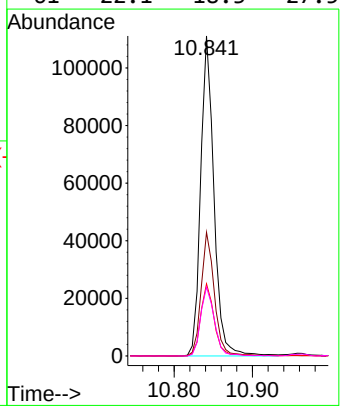


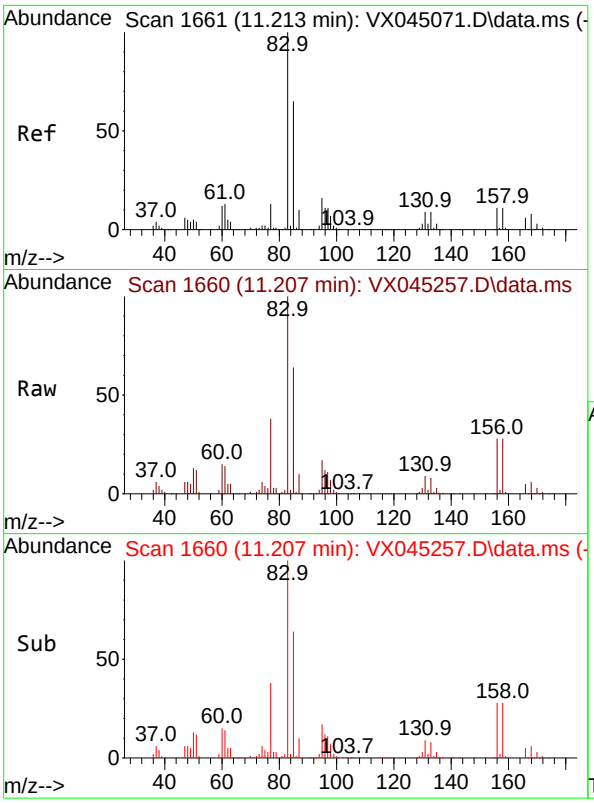


#74
N-amyl acetate
Concen: 53.493 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 131189

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.2	18.3	27.5
61	22.1	18.3	27.5

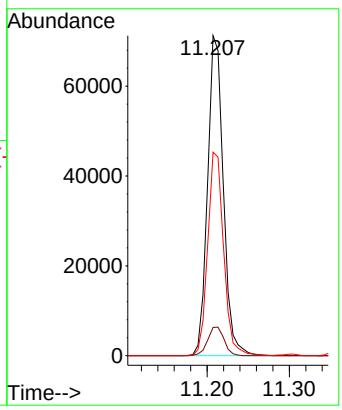




#75
1,1,2,2-Tetrachloroethane
Concen: 49.457 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 83 Resp: 9485

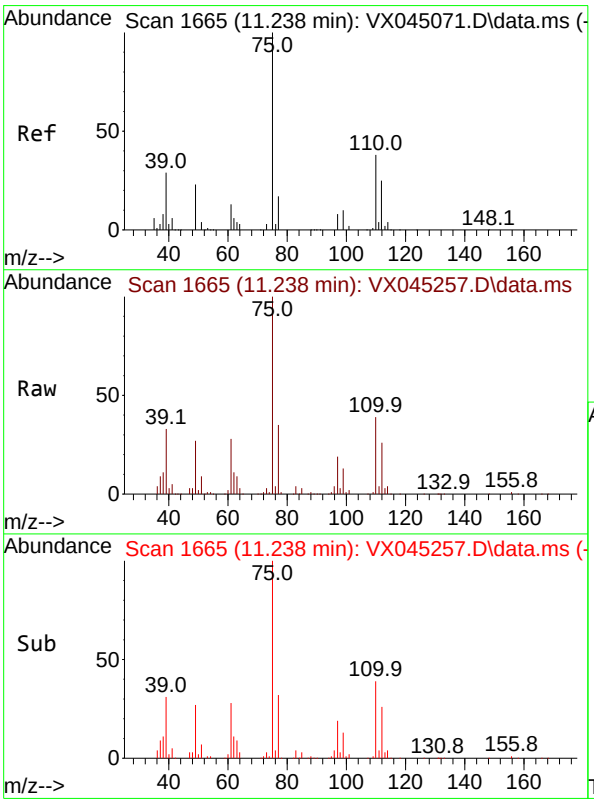
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

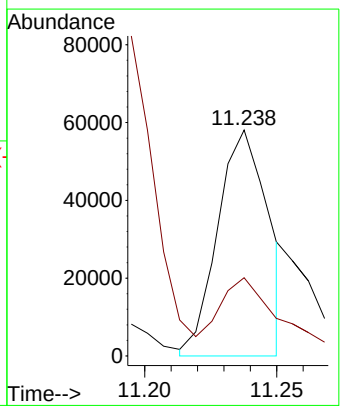
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

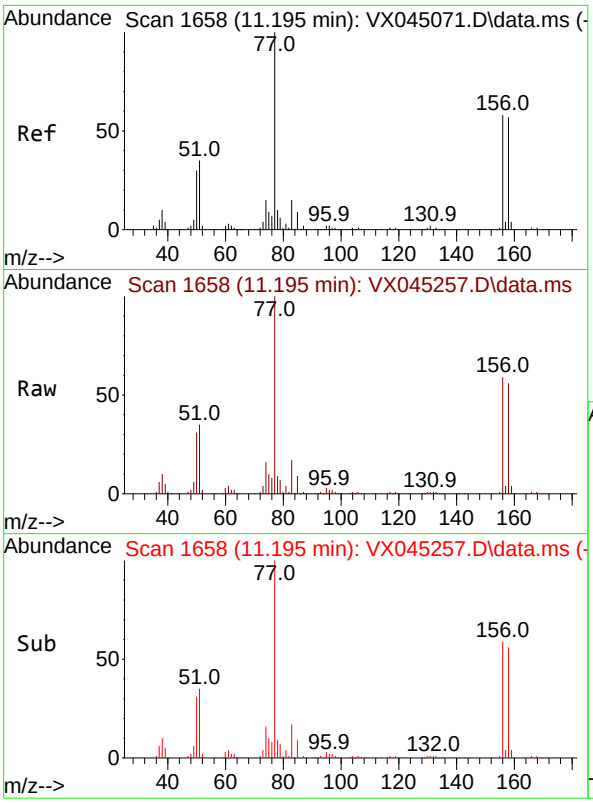


#76
1,2,3-Trichloropropane
Concen: 49.716 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 77483

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.7	62.1

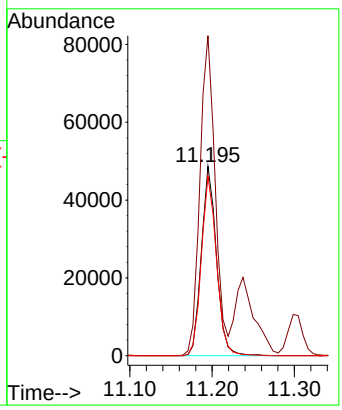




#77
Bromobenzene
Concen: 50.148 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:156 Resp: 6184

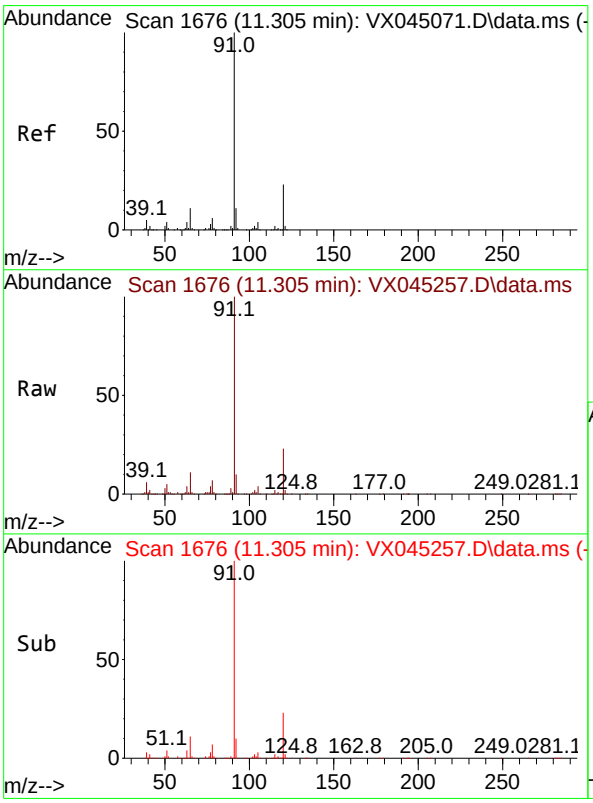
Ion	Ratio	Lower	Upper
156	100		
77	171.4	85.8	257.4
158	95.7	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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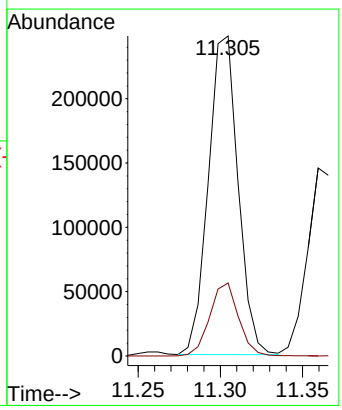
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

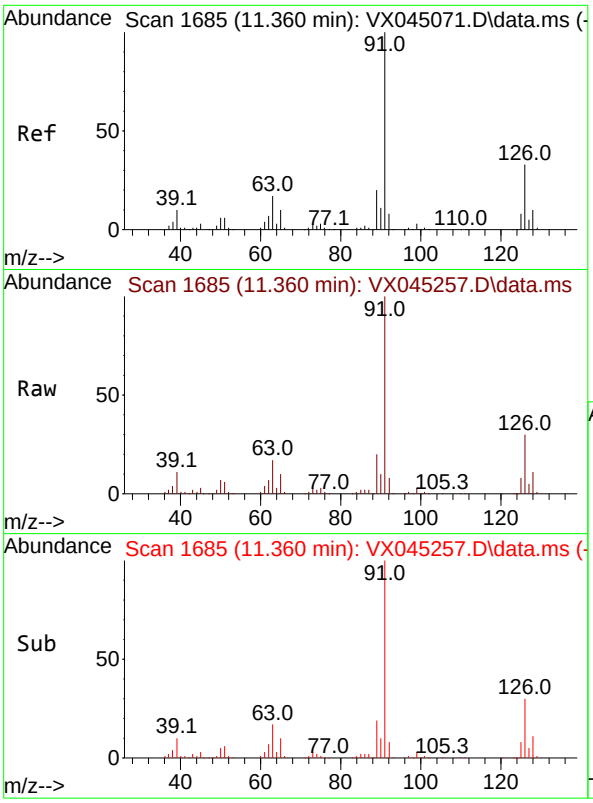


#78
n-propylbenzene
Concen: 52.876 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 91 Resp: 312182

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6

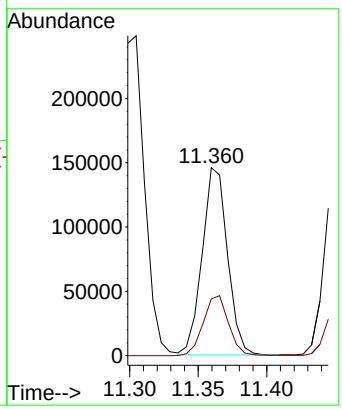




#79
2-Chlorotoluene
Concen: 49.681 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 91 Resp: 18680

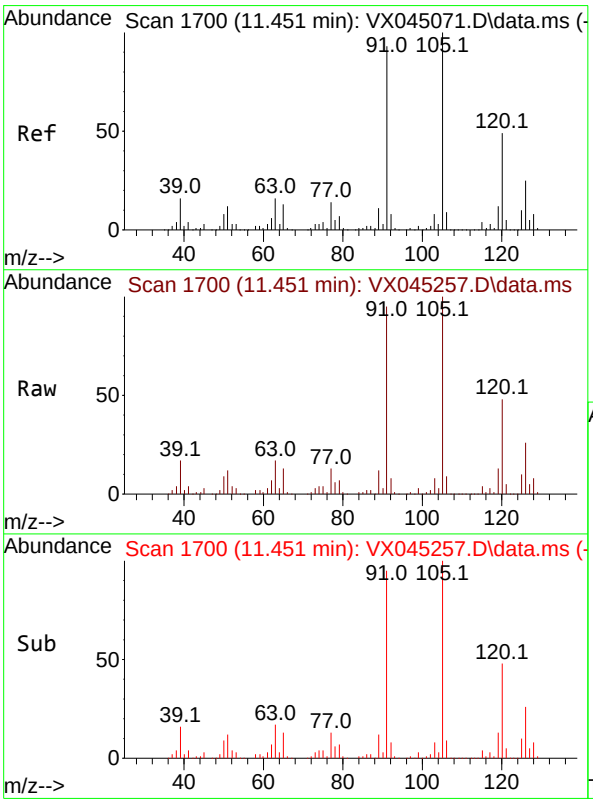
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

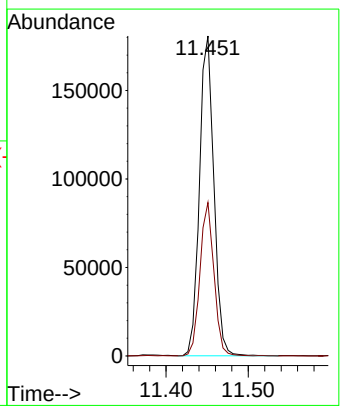
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

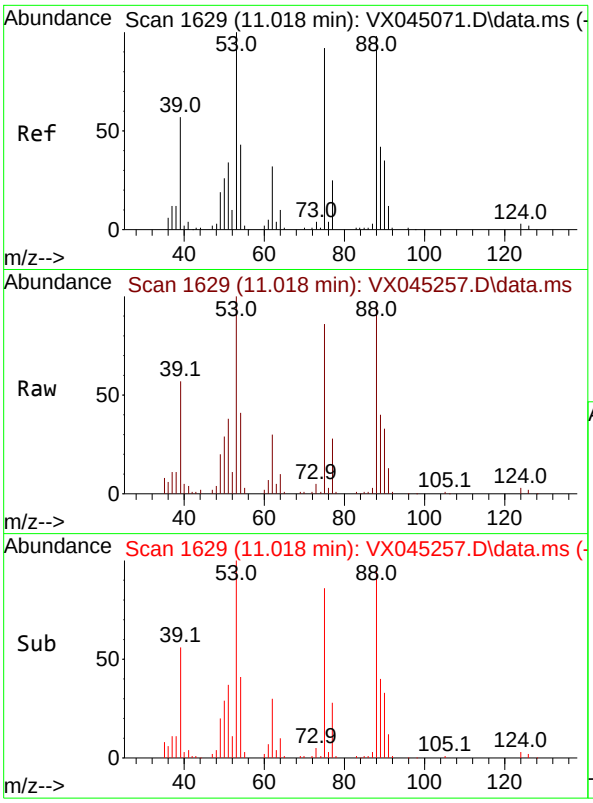


#80
1,3,5-Trimethylbenzene
Concen: 52.068 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:105 Resp: 220041

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2

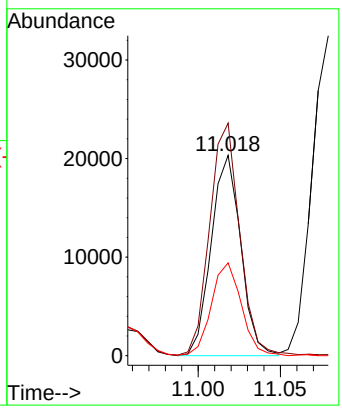




#81
trans-1,4-Dichloro-2-butene
Concen: 55.946 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 2547

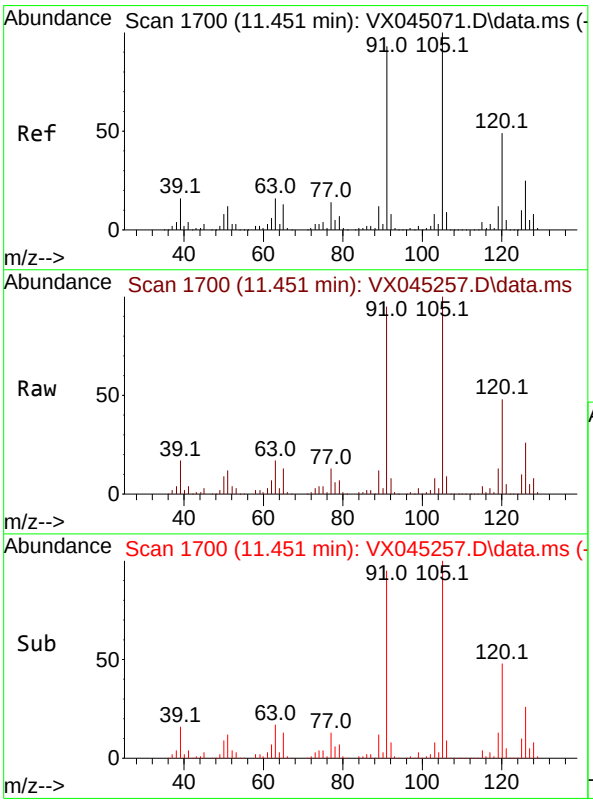
Ion	Ratio	Lower	Upper
75	100		
53	118.3	88.5	132.7
89	46.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

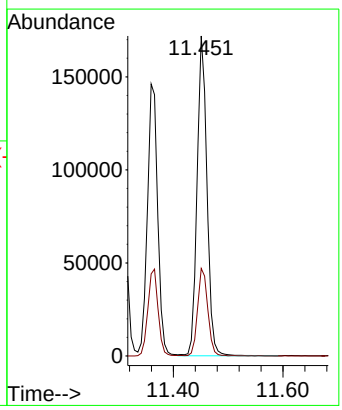
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

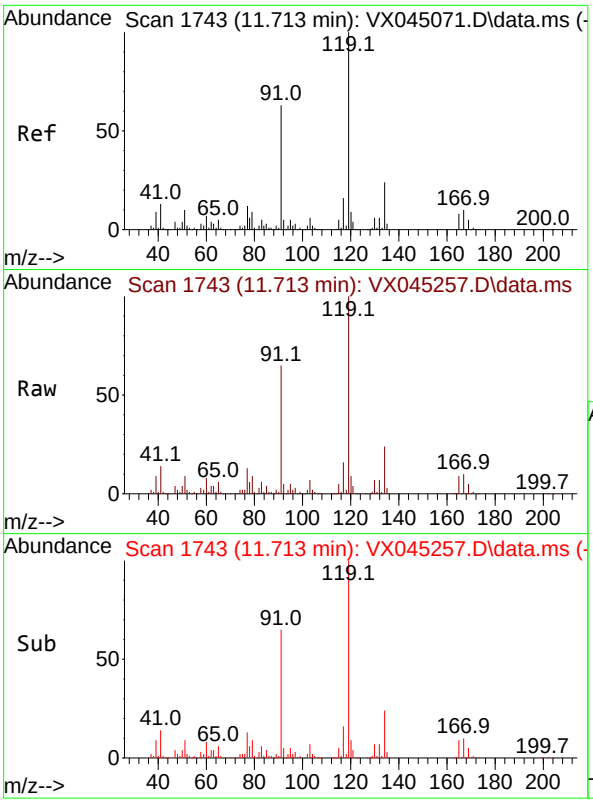


#82
4-Chlorotoluene
Concen: 52.770 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 91 Resp: 216250

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

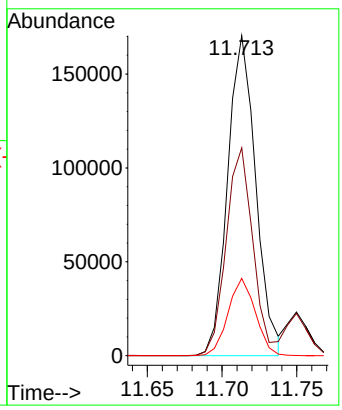




#83
tert-Butylbenzene
Concen: 51.318 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:119 Resp: 22282

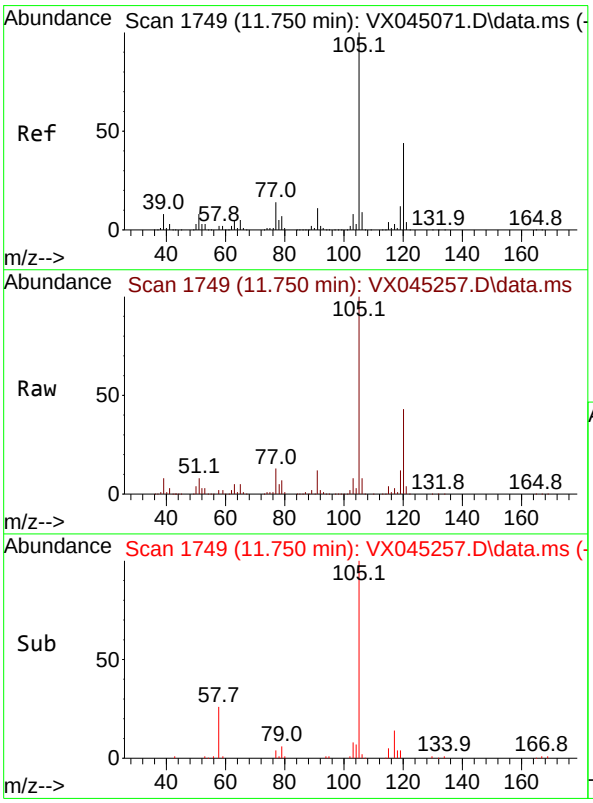
Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

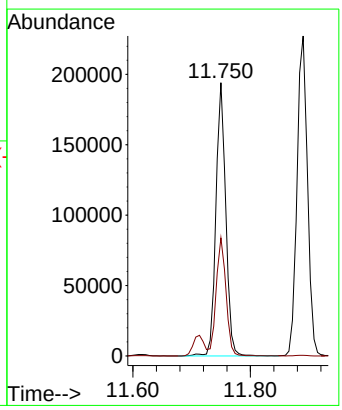
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

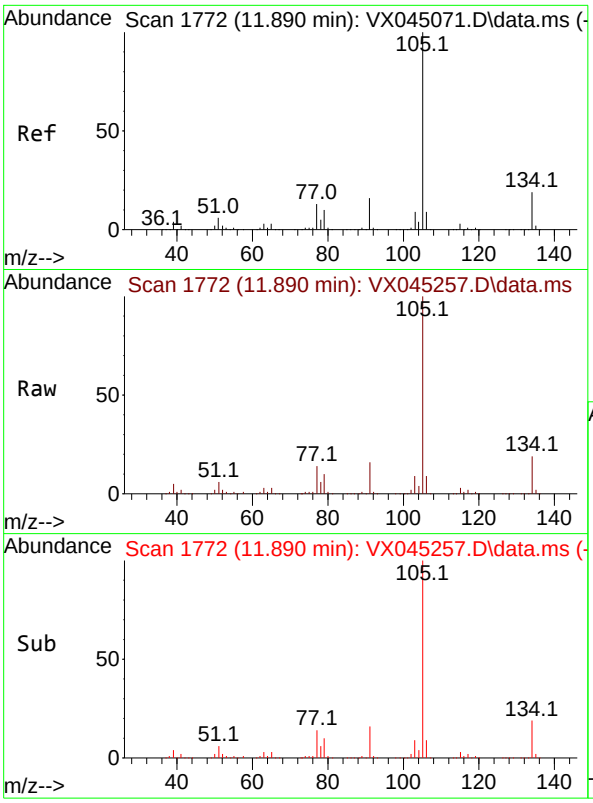


#84
1,2,4-Trimethylbenzene
Concen: 53.061 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:105 Resp: 225626

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1





#85
sec-Butylbenzene
Concen: 53.936 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

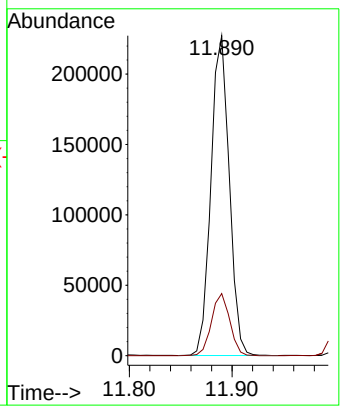
Tgt Ion:105 Resp: 28053

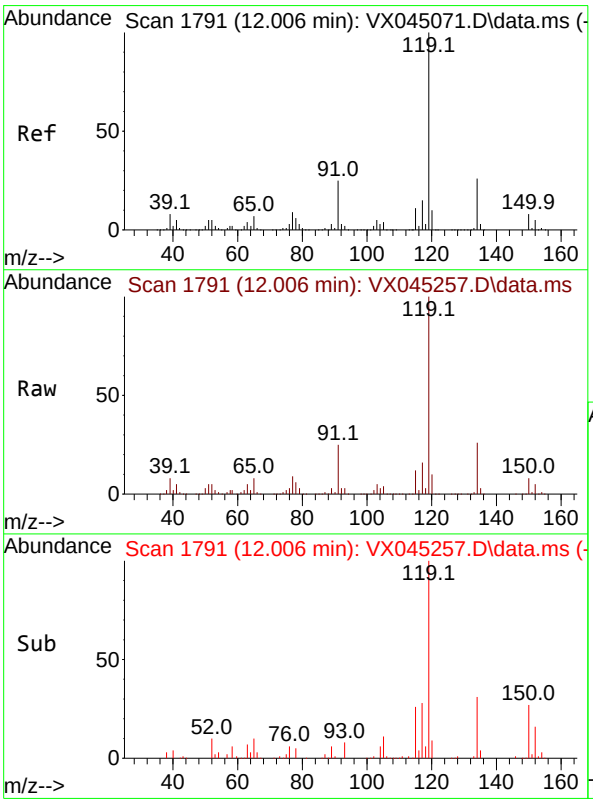
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

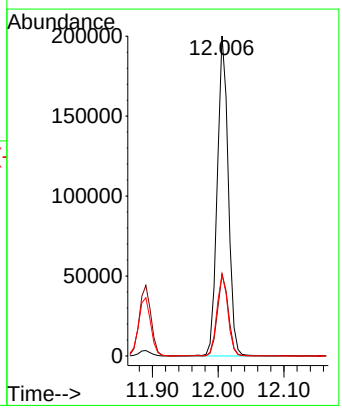


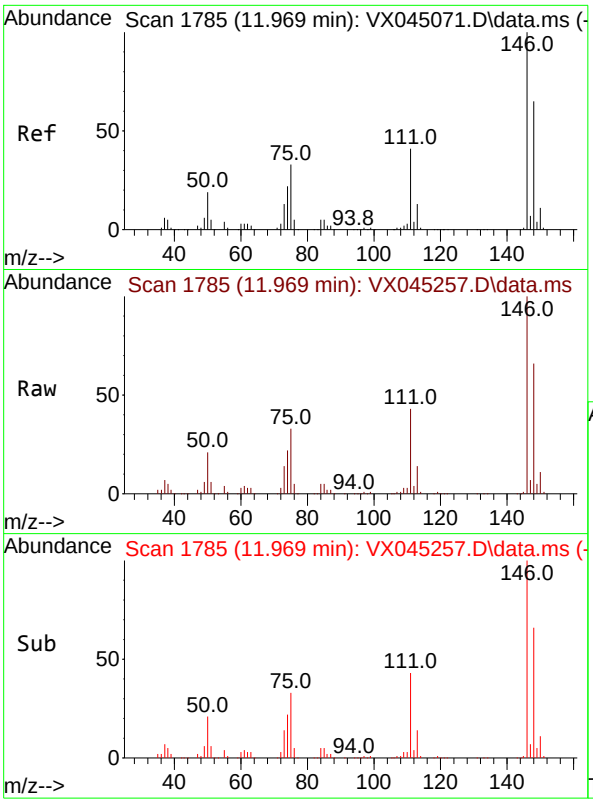


#86
p-Isopropyltoluene
Concen: 55.418 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:119 Resp: 232945

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	25.4	12.7	38.0

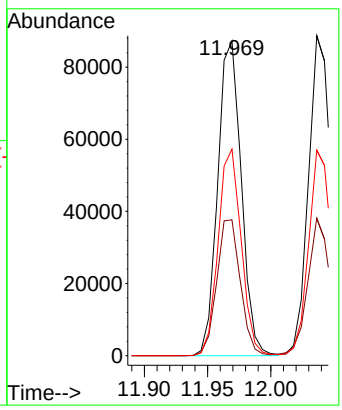




#87
1,3-Dichlorobenzene
Concen: 51.352 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:146 Resp: 11296

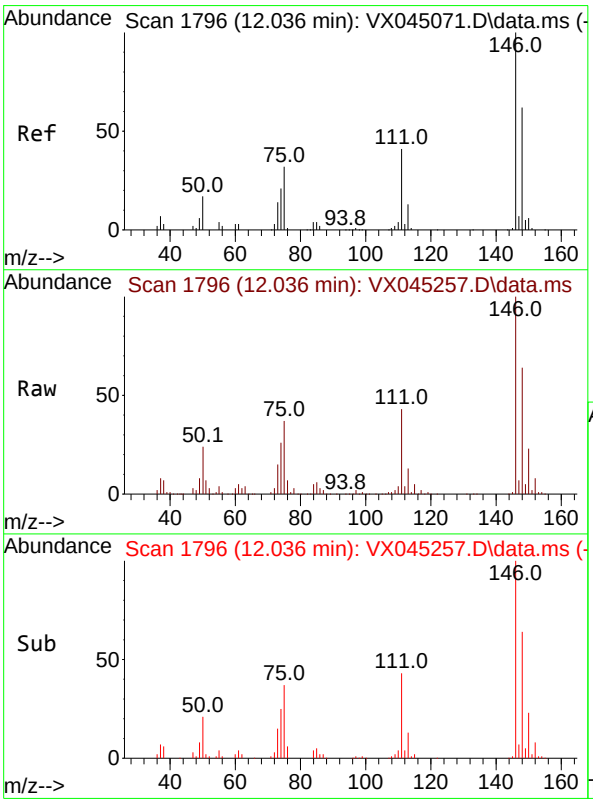
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

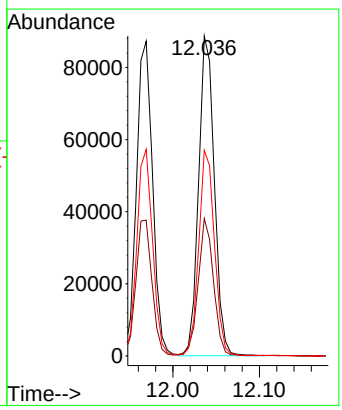
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

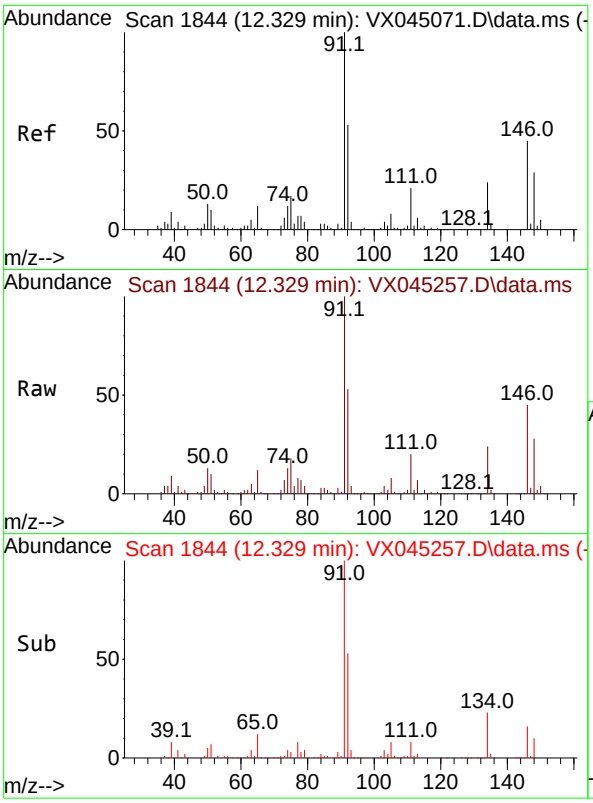


#88
1,4-Dichlorobenzene
Concen: 50.412 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:146 Resp: 112198

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 58.806 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

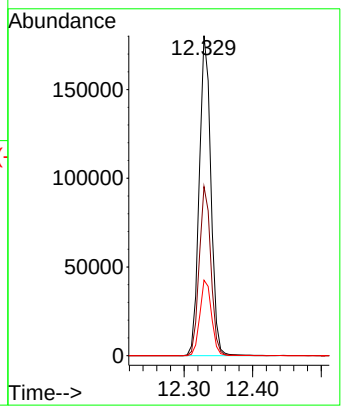
Tgt Ion: 91 Resp: 21289

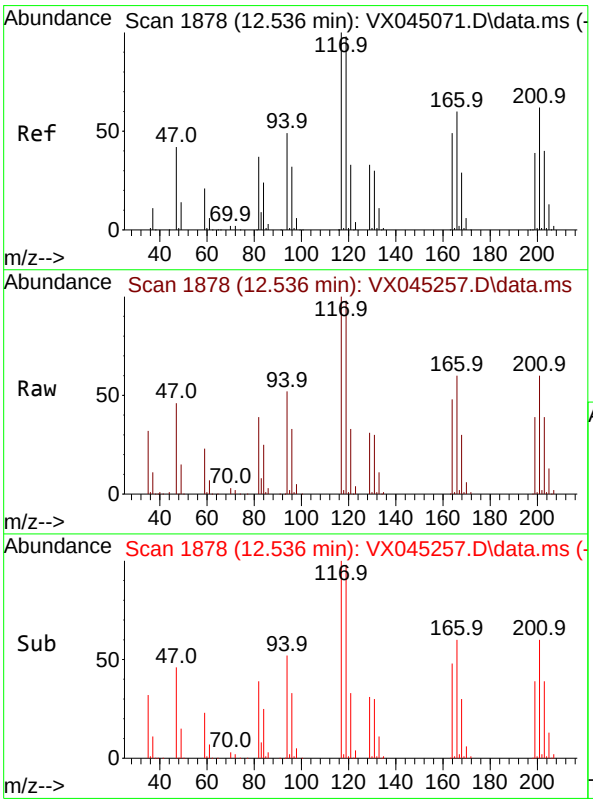
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.8	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

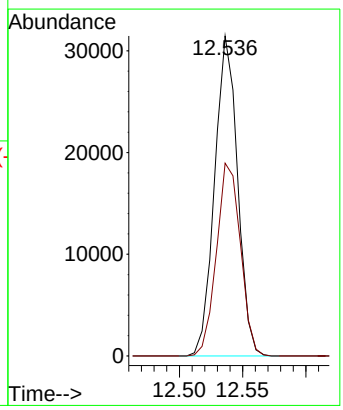


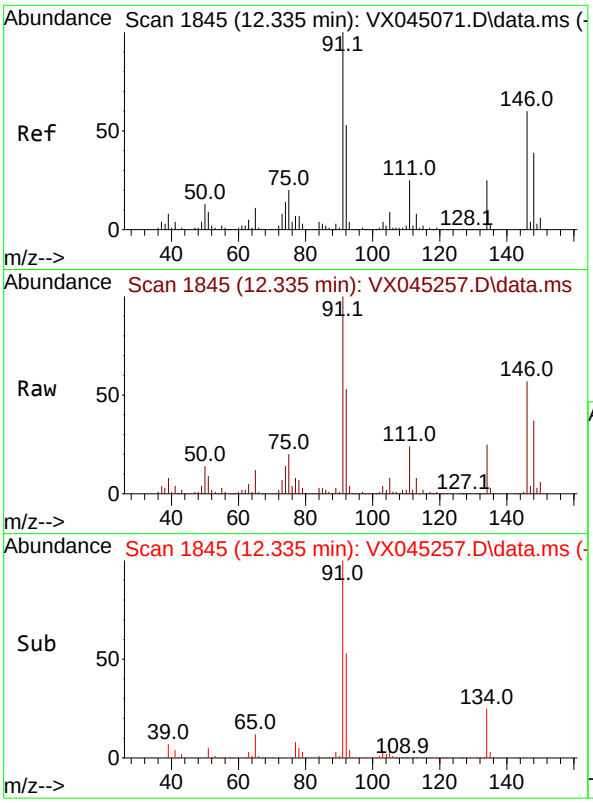


#90
Hexachloroethane
Concen: 52.134 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:117 Resp: 39637

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.9	95.9

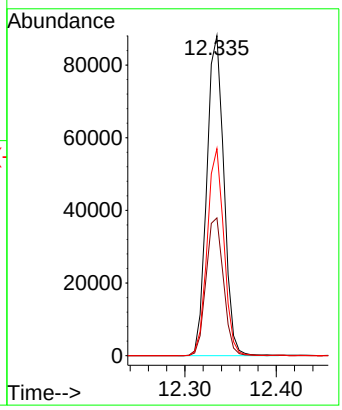




#91
1,2-Dichlorobenzene
Concen: 51.768 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:146 Resp: 11424

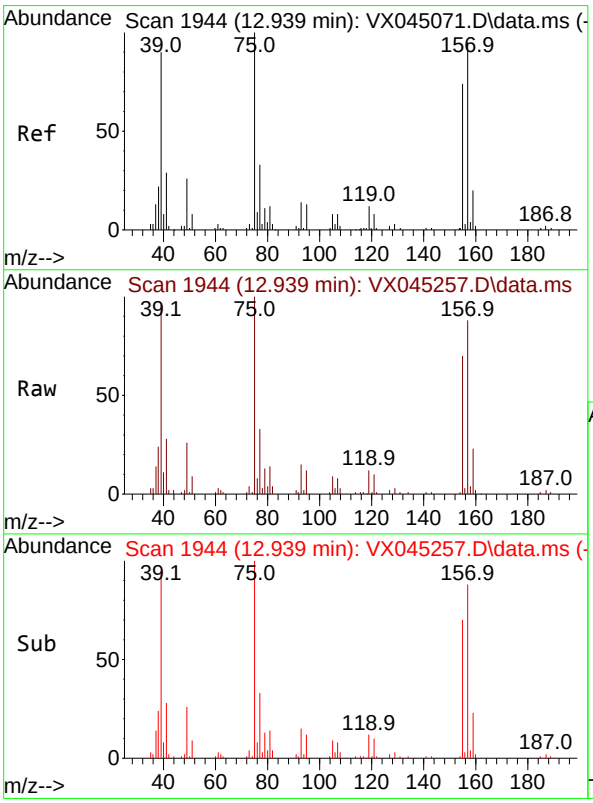
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

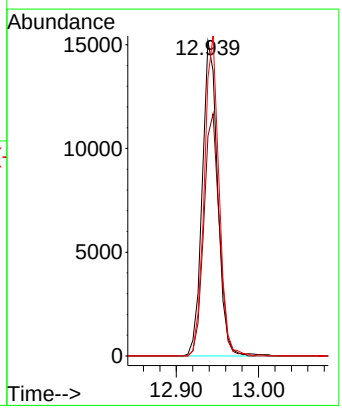
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

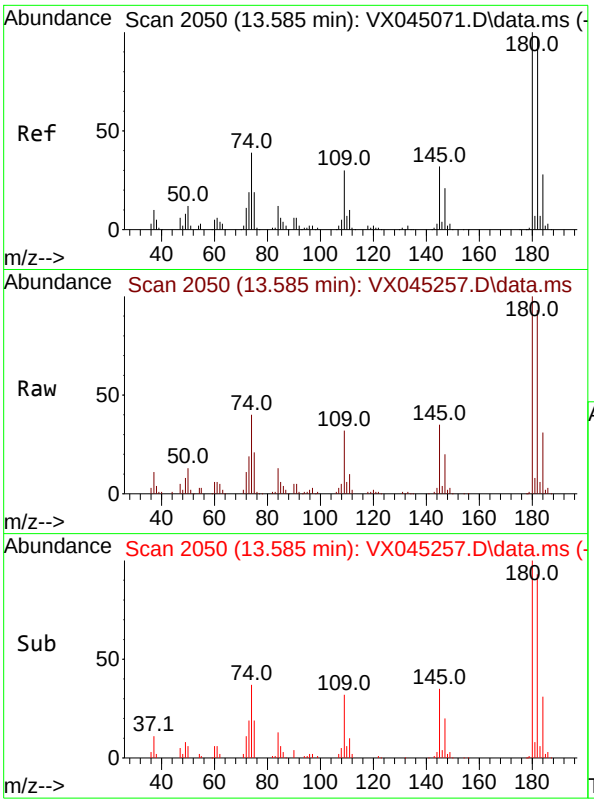


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.868 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 19754

Ion	Ratio	Lower	Upper
75	100		
155	77.3	39.6	118.7
157	97.1	51.1	153.4

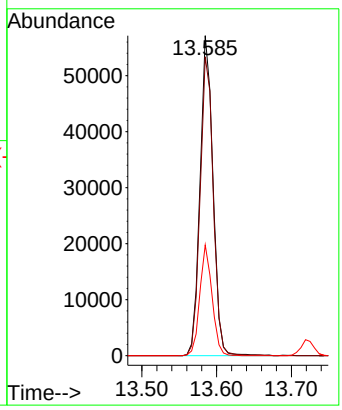




#93
1,2,4-Trichlorobenzene
Concen: 54.655 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:180 Resp: 6867

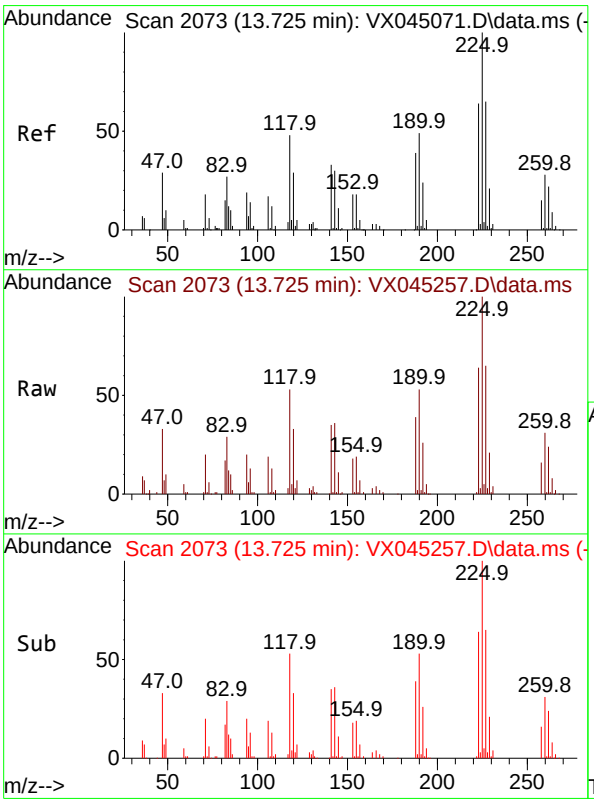
Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	32.8	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

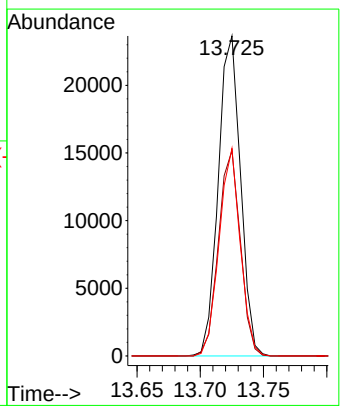
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

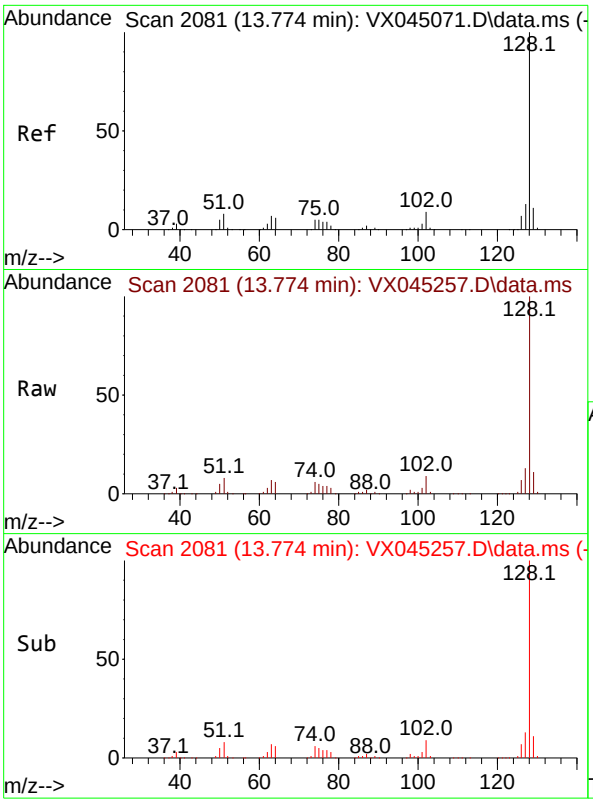


#94
Hexachlorobutadiene
Concen: 56.075 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:225 Resp: 28888

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	61.7	31.4	94.0

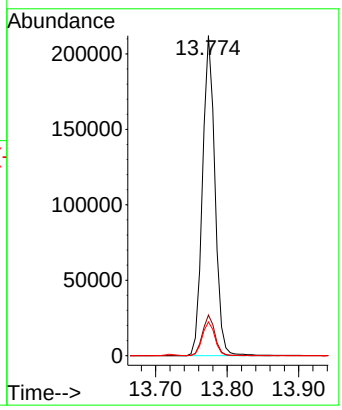




#95
Naphthalene
Concen: 53.019 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:128 Resp: 25596

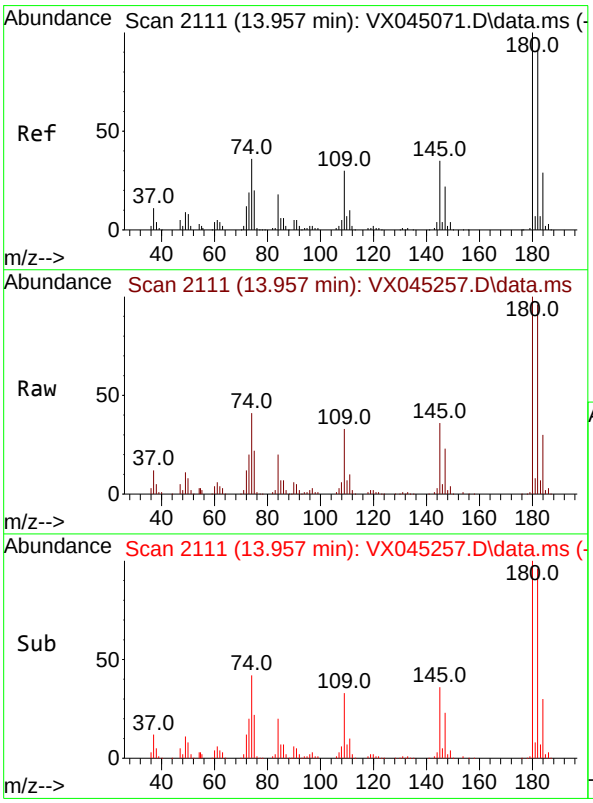
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

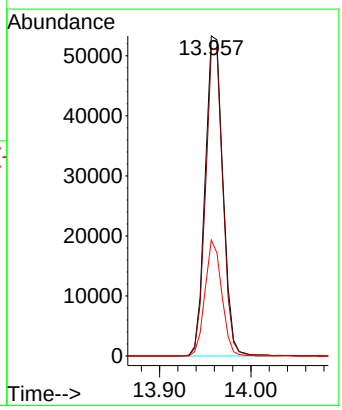
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.059 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:180 Resp: 71661

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.6
145	34.1	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	90	0.00
2	T	Dichlorodifluoromethane	0.629	0.644	-2.4	92	0.00
3	P	Chloromethane	0.770	0.743	3.5	89	0.00
4	C	Vinyl Chloride	0.764	0.682	10.7#	81	0.00
5	T	Bromomethane	0.300	0.286	4.7	88	0.00
6	T	Chloroethane	0.352	0.332	5.7	80	0.00
7	T	Trichlorofluoromethane	1.011	0.989	2.2	85	0.00
8	T	Diethyl Ether	0.396	0.345	12.9	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.648	-11.5	98	0.00
10	T	Methyl Iodide	0.726	0.751	-3.4	88	0.00
11	T	Tert butyl alcohol	0.151	0.135	10.6	91	0.00
12	CM	1,1-Dichloroethene	0.614	0.598	2.6#	86	0.00
13	T	Acrolein	0.174	0.158	9.2	82	0.00
14	T	Allyl chloride	1.094	1.129	-3.2	92	0.00
15	T	Acrylonitrile	0.404	0.405	-0.2	89	0.00
16	T	Acetone	0.369	0.387	-4.9	99	0.00
17	T	Carbon Disulfide	1.636	1.415	13.5	77	0.00
18	T	Methyl Acetate	0.888	1.022	-15.1	106	0.00
19	T	Methyl tert-butyl Ether	2.061	2.046	0.7	88	0.00
20	T	Methylene Chloride	0.731	0.701	4.1	90	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.592	2.5	85	0.00
22	T	Diisopropyl ether	2.224	2.241	-0.8	88	0.00
23	T	Vinyl Acetate	1.856	1.894	-2.0	86	0.00
24	P	1,1-Dichloroethane	1.247	1.235	1.0	90	0.00
25	T	2-Butanone	0.555	0.579	-4.3	90	0.00
26	T	2,2-Dichloropropane	0.585	0.852	-45.6#	128	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.741	1.1	88	0.00
28	T	Bromochloromethane	0.594	0.614	-3.4	92	0.00
29	T	Tetrahydrofuran	0.373	0.360	3.5	87	0.00
30	C	Chloroform	1.239	1.240	-0.1#	90	0.00
31	T	Cyclohexane	1.082	1.068	1.3	87	0.00
32	T	1,1,1-Trichloroethane	1.000	1.009	-0.9	89	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.832	-4.7	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.334	0.357	-6.9	95	0.00
36	T	1,1-Dichloropropene	0.459	0.464	-1.1	87	0.00
37	T	Ethyl Acetate	0.591	0.593	-0.3	86	0.00
38	T	Carbon Tetrachloride	0.465	0.487	-4.7	91	0.00
39	T	Methylcyclohexane	0.549	0.601	-9.5	90	0.00
40	TM	Benzene	1.448	1.463	-1.0	86	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	88	-0.01
42	TM	1,2-Dichloroethane	0.521	0.548	-5.2	91	0.00
43	T	Isopropyl Acetate	0.874	0.920	-5.3	87	0.00
44	TM	Trichloroethene	0.340	0.339	0.3	87	0.00
45	C	1,2-Dichloropropane	0.372	0.374	-0.5#	88	0.00
46	T	Dibromomethane	0.263	0.277	-5.3	90	0.00
47	T	Bromodichloromethane	0.516	0.542	-5.0	90	0.00
48	T	Methyl methacrylate	0.438	0.467	-6.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	83	0.00
50	S	Toluene-d8	1.212	1.259	-3.9	91	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.648	-10.4	93	0.00
52	CM	Toluene	0.849	0.875	-3.1#	85	0.00
53	T	t-1,3-Dichloropropene	0.431	0.483	-12.1	90	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.554	-10.1	91	0.00
55	T	1,1,2-Trichloroethane	0.350	0.354	-1.1	87	0.00
56	T	Ethyl methacrylate	0.532	0.580	-9.0	89	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.306	-18.1	94	0.00
59	T	2-Hexanone	0.425	0.478	-12.5	93	0.00
60	T	Dibromochloromethane	0.366	0.391	-6.8	89	0.00
61	T	1,2-Dibromoethane	0.349	0.361	-3.4	89	0.00
62	S	4-Bromofluorobenzene	0.402	0.458	-13.9	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.320	0.334	-4.4	89	0.00
65	PM	Chlorobenzene	1.058	1.109	-4.8	88	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.380	-8.0	92	0.00
67	C	Ethyl Benzene	1.843	1.965	-6.6#	87	0.00
68	T	m/p-Xylenes	0.675	0.722	-7.0	86	0.00
69	T	o-Xylene	0.681	0.710	-4.3	87	0.00
70	T	Styrene	1.101	1.219	-10.7	89	0.00
71	P	Bromoform	0.266	0.304	-14.3	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73	T	Isopropylbenzene	3.903	3.982	-2.0	90	0.00
74	T	N-amyl acetate	1.831	1.959	-7.0	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.417	1.0	94	0.00
76	T	1,2,3-Trichloropropane	1.164	1.157	0.6	95	0.00
77	T	Bromobenzene	0.921	0.924	-0.3	92	0.00
78	T	n-propylbenzene	4.409	4.662	-5.7	91	0.00
79	T	2-Chlorotoluene	2.808	2.790	0.6	91	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.286	-4.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.381	-12.1	106	0.00
82	T	4-Chlorotoluene	3.060	3.229	-5.5	94	0.00
83	T	tert-Butylbenzene	3.242	3.328	-2.7	93	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.370	-6.1	94	0.00
85	T	sec-Butylbenzene	3.884	4.190	-7.9	93	0.00
86	T	p-Isopropyltoluene	3.139	3.479	-10.8	95	0.00
87	T	1,3-Dichlorobenzene	1.643	1.687	-2.7	95	0.00
88	T	1,4-Dichlorobenzene	1.662	1.676	-0.8	93	0.00
89	T	n-Butylbenzene	2.703	3.179	-17.6	99	0.00
90	T	Hexachloroethane	0.568	0.592	-4.2	92	0.00
91	T	1,2-Dichlorobenzene	1.648	1.706	-3.5	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.295	-5.7	96	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.026	-9.4	96	0.00
94	T	Hexachlorobutadiene	0.385	0.431	-11.9	103	0.00
95	T	Naphthalene	3.605	3.823	-6.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.070	-8.1	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	90	0.00
2	T	Dichlorodifluoromethane	50.000	51.122	-2.2	92	0.00
3	P	Chloromethane	50.000	48.218	3.6	89	0.00
4	C	Vinyl Chloride	50.000	44.653	10.7#	81	0.00
5	T	Bromomethane	50.000	47.680	4.6	88	0.00
6	T	Chloroethane	50.000	47.129	5.7	80	0.00
7	T	Trichlorofluoromethane	50.000	48.876	2.2	85	0.00
8	T	Diethyl Ether	50.000	43.578	12.8	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.784	-11.6	98	0.00
10	T	Methyl Iodide	50.000	51.719	-3.4	88	0.00
11	T	Tert butyl alcohol	250.000	224.022	10.4	91	0.00
12	CM	1,1-Dichloroethene	50.000	48.654	2.7#	86	0.00
13	T	Acrolein	250.000	226.631	9.3	82	0.00
14	T	Allyl chloride	50.000	51.628	-3.3	92	0.00
15	T	Acrylonitrile	250.000	250.959	-0.4	89	0.00
16	T	Acetone	250.000	262.073	-4.8	99	0.00
17	T	Carbon Disulfide	50.000	43.233	13.5	77	0.00
18	T	Methyl Acetate	50.000	57.542	-15.1	106	0.00
19	T	Methyl tert-butyl Ether	50.000	49.624	0.8	88	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.797	2.4	85	0.00
22	T	Diisopropyl ether	50.000	50.369	-0.7	88	0.00
23	T	Vinyl Acetate	250.000	255.083	-2.0	86	0.00
24	P	1,1-Dichloroethane	50.000	49.538	0.9	90	0.00
25	T	2-Butanone	250.000	260.525	-4.2	90	0.00
26	T	2,2-Dichloropropane	50.000	72.834	-45.7#	128	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.445	1.1	88	0.00
28	T	Bromochloromethane	50.000	51.659	-3.3	92	0.00
29	T	Tetrahydrofuran	250.000	240.995	3.6	87	0.00
30	C	Chloroform	50.000	50.056	-0.1#	90	0.00
31	T	Cyclohexane	50.000	49.368	1.3	87	0.00
32	T	1,1,1-Trichloroethane	50.000	50.422	-0.8	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.297	-4.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	53.317	-6.6	95	0.00
36	T	1,1-Dichloropropene	50.000	50.546	-1.1	87	0.00
37	T	Ethyl Acetate	50.000	50.189	-0.4	86	0.00
38	T	Carbon Tetrachloride	50.000	52.271	-4.5	91	0.00
39	T	Methylcyclohexane	50.000	54.710	-9.4	90	0.00
40	TM	Benzene	50.000	50.537	-1.1	86	0.00
41	T	Methacrylonitrile	50.000	53.340	-6.7	88	-0.01
42	TM	1,2-Dichloroethane	50.000	52.542	-5.1	91	0.00
43	T	Isopropyl Acetate	50.000	52.647	-5.3	87	0.00
44	TM	Trichloroethene	50.000	49.801	0.4	87	0.00
45	C	1,2-Dichloropropane	50.000	50.174	-0.3#	88	0.00
46	T	Dibromomethane	50.000	52.654	-5.3	90	0.00
47	T	Bromodichloromethane	50.000	52.546	-5.1	90	0.00
48	T	Methyl methacrylate	50.000	53.300	-6.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	964.689	3.5	83	0.00
50	S	Toluene-d8	50.000	51.934	-3.9	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	276.238	-10.5	93	0.00
52	CM	Toluene	50.000	51.486	-3.0#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	55.945	-11.9	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.043	-10.1	91	0.00
55	T	1,1,2-Trichloroethane	50.000	50.560	-1.1	87	0.00
56	T	Ethyl methacrylate	50.000	54.596	-9.2	89	0.00
57	T	1,3-Dichloropropane	50.000	51.310	-2.6	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.630	-17.9	94	0.00
59	T	2-Hexanone	250.000	280.952	-12.4	93	0.00
60	T	Dibromochloromethane	50.000	53.523	-7.0	89	0.00
61	T	1,2-Dibromoethane	50.000	51.655	-3.3	89	0.00
62	S	4-Bromofluorobenzene	50.000	57.027	-14.1	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	52.106	-4.2	89	0.00
65	PM	Chlorobenzene	50.000	52.401	-4.8	88	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.887	-7.8	92	0.00
67	C	Ethyl Benzene	50.000	53.287	-6.6#	87	0.00
68	T	m/p-Xylenes	100.000	107.038	-7.0	86	0.00
69	T	o-Xylene	50.000	52.192	-4.4	87	0.00
70	T	Styrene	50.000	55.336	-10.7	89	0.00
71	P	Bromoform	50.000	57.300	-14.6	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73	T	Isopropylbenzene	50.000	51.016	-2.0	90	0.00
74	T	N-amyl acetate	50.000	53.493	-7.0	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.457	1.1	94	0.00
76	T	1,2,3-Trichloropropane	50.000	49.716	0.6	95	0.00
77	T	Bromobenzene	50.000	50.148	-0.3	92	0.00
78	T	n-propylbenzene	50.000	52.876	-5.8	91	0.00
79	T	2-Chlorotoluene	50.000	49.681	0.6	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.068	-4.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.946	-11.9	106	0.00
82	T	4-Chlorotoluene	50.000	52.770	-5.5	94	0.00
83	T	tert-Butylbenzene	50.000	51.318	-2.6	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.061	-6.1	94	0.00
85	T	sec-Butylbenzene	50.000	53.936	-7.9	93	0.00
86	T	p-Isopropyltoluene	50.000	55.418	-10.8	95	0.00
87	T	1,3-Dichlorobenzene	50.000	51.352	-2.7	95	0.00
88	T	1,4-Dichlorobenzene	50.000	50.412	-0.8	93	0.00
89	T	n-Butylbenzene	50.000	58.806	-17.6	99	0.00
90	T	Hexachloroethane	50.000	52.134	-4.3	92	0.00
91	T	1,2-Dichlorobenzene	50.000	51.768	-3.5	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.868	-5.7	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.655	-9.3	96	0.00
94	T	Hexachlorobutadiene	50.000	56.075	-12.2	103	0.00
95	T	Naphthalene	50.000	53.019	-6.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	54.059	-8.1	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 20:35

Lab File ID: VX045283.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.644		2.38	50
Chloromethane	0.770	0.807	0.1	4.8	50
Vinyl Chloride	0.764	0.713		-6.68	50
Bromomethane	0.300	0.311		3.67	50
Chloroethane	0.352	0.381		8.24	50
Trichlorofluoromethane	1.012	1.033		2.08	50
1,1,2-Trichlorotrifluoroethane	0.581	0.652		12.22	50
1,1-Dichloroethene	0.614	0.632		2.93	50
Acetone	0.369	0.395		7.05	50
Carbon Disulfide	1.636	1.404		-14.18	50
Methyl tert-butyl Ether	2.061	2.221		7.76	50
Methyl Acetate	0.888	1.143		28.72	50
Methylene Chloride	0.731	0.767		4.93	50
trans-1,2-Dichloroethene	0.607	0.641		5.6	50
1,1-Dichloroethane	1.247	1.345	0.1	7.86	50
Cyclohexane	1.082	1.090		0.74	50
2-Butanone	0.555	0.624		12.43	50
Carbon Tetrachloride	0.465	0.498		7.1	50
cis-1,2-Dichloroethene	0.749	0.798		6.54	50
Bromochloromethane	0.594	0.609		2.53	50
Chloroform	1.239	1.371		10.65	50
1,1,1-Trichloroethane	1.000	1.092		9.2	50
Methylcyclohexane	0.549	0.582		6.01	50
Benzene	1.448	1.555		7.32	50
1,2-Dichloroethane	0.521	0.601		15.35	50
Trichloroethene	0.340	0.357		5	50
1,2-Dichloropropane	0.372	0.397		6.72	50
Bromodichloromethane	0.516	0.590		14.34	50
4-Methyl-2-Pentanone	0.587	0.705		20.1	50
Toluene	0.849	0.935		10.13	50
t-1,3-Dichloropropene	0.431	0.493		14.39	50
cis-1,3-Dichloropropene	0.503	0.567		12.72	50
1,1,2-Trichloroethane	0.350	0.390		11.43	50
2-Hexanone	0.425	0.520		22.35	50
Dibromochloromethane	0.366	0.420		14.75	50
1,2-Dibromoethane	0.349	0.391		12.03	50
Tetrachloroethene	0.320	0.336		5	50
Chlorobenzene	1.058	1.132	0.3	6.99	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 20:35

Lab File ID: VX045283.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.015		9.33	50
m/p-Xylenes	0.675	0.738		9.33	50
o-Xylene	0.681	0.730		7.2	50
Styrene	1.101	1.272		15.53	50
Bromoform	0.266	0.305	0.1	14.66	50
Isopropylbenzene	3.903	4.131		5.84	50
1,1,2,2-Tetrachloroethane	1.432	1.507	0.3	5.24	50
1,3-Dichlorobenzene	1.643	1.760		7.12	50
1,4-Dichlorobenzene	1.662	1.756		5.66	50
1,2-Dichlorobenzene	1.648	1.764		7.04	50
1,2-Dibromo-3-Chloropropane	0.279	0.323		15.77	50
1,2,4-Trichlorobenzene	0.938	1.005		7.14	50
1,2,3-Trichlorobenzene	0.990	1.054		6.47	50
1,2-Dichloroethane-d4	0.795	0.832		4.65	50
Dibromofluoromethane	0.334	0.343		2.69	50
Toluene-d8	1.212	1.185		-2.23	50
4-Bromofluorobenzene	0.402	0.430		6.97	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\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	78405	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140955	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125789	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59033	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	65233	52.306 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%		
35) Dibromofluoromethane	5.385	113	48417	51.369 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%		
50) Toluene-d8	8.647	98	167073	48.895 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.780%		
62) 4-Bromofluorobenzene	11.079	95	60679	53.590 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.180%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	50504	51.173 ug/l	97
3) Chloromethane	1.307	50	63240	52.360 ug/l	99
4) Vinyl Chloride	1.374	62	55907	46.661 ug/l	97
5) Bromomethane	1.593	94	24345	51.687 ug/l	99
6) Chloroethane	1.660	64	29840	53.994 ug/l	97
7) Trichlorofluoromethane	1.867	101	81018	51.079 ug/l	99
8) Diethyl Ether	2.130	74	29900	48.195 ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	51125	56.104 ug/l	98
10) Methyl Iodide	2.441	142	65409	57.437 ug/l	96
11) Tert butyl alcohol	2.983	59	51712	218.906 ug/l	99
12) 1,1-Dichloroethene	2.306	96	49579	51.461 ug/l	92
13) Acrolein	2.233	56	81067	296.868 ug/l	99
14) Allyl chloride	2.654	41	94474	55.089 ug/l	97
15) Acrylonitrile	3.062	53	174965	276.353 ug/l	99
16) Acetone	2.386	43	154659	267.281 ug/l	99
17) Carbon Disulfide	2.501	76	110090	42.902 ug/l	97
18) Methyl Acetate	2.703	43	89637	64.394 ug/l	100
19) Methyl tert-butyl Ether	3.111	73	174146	53.877 ug/l	99
20) Methylene Chloride	2.782	84	60134	52.463 ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	50278	52.824 ug/l	98
22) Diisopropyl ether	3.757	45	190943	54.746 ug/l #	85
23) Vinyl Acetate	3.721	43	806616	277.131 ug/l	99
24) 1,1-Dichloroethane	3.605	63	105449	53.947 ug/l	100
25) 2-Butanone	4.556	43	244623	280.855 ug/l	98
26) 2,2-Dichloropropane	4.471	77	59987	65.428 ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	62579	53.261 ug/l	94
28) Bromochloromethane	4.891	49	47770	51.273 ug/l	99
29) Tetrahydrofuran	5.007	42	155811	266.382 ug/l	99
30) Chloroform	5.086	83	107504	55.352 ug/l	98
31) Cyclohexane	5.458	56	85484	50.380 ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	85589	54.563 ug/l	97
36) 1,1-Dichloropropene	5.684	75	69025	53.401 ug/l	100
37) Ethyl Acetate	4.714	43	88828	53.332 ug/l	100
38) Carbon Tetrachloride	5.672	117	70158	53.462 ug/l	99
39) Methylcyclohexane	7.373	83	81984	52.933 ug/l	98
40) Benzene	6.031	78	219114	53.682 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	53981	59.938	ug/l		99
42) 1,2-Dichloroethane	6.080	62	84656	57.596	ug/l		98
43) Isopropyl Acetate	6.342	43	138413	56.199	ug/l		99
44) Trichloroethene	7.123	130	50340	52.524	ug/l		97
45) 1,2-Dichloropropane	7.427	63	55930	53.295	ug/l		100
46) Dibromomethane	7.580	93	41881	56.462	ug/l		97
47) Bromodichloromethane	7.818	83	83222	57.200	ug/l		99
48) Methyl methacrylate	7.690	41	72075	58.331	ug/l		96
49) 1,4-Dioxane	7.659	88	27475	1054.131	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	496755	300.388	ug/l		100
52) Toluene	8.714	92	131767	55.022	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	69530	57.163	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	79901	56.333	ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	54980	55.767	ug/l		100
56) Ethyl methacrylate	9.116	69	88248	58.887	ug/l		96
57) 1,3-Dichloropropane	9.305	76	95439	55.938	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	215042	294.162	ug/l		100
59) 2-Hexanone	9.427	43	366447	305.836	ug/l		99
60) Dibromochloromethane	9.518	129	59204	57.433	ug/l		98
61) 1,2-Dibromoethane	9.610	107	55049	55.933	ug/l		98
64) Tetrachloroethene	9.269	164	42248	52.441	ug/l		97
65) Chlorobenzene	10.079	112	142375	53.491	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	48534	54.755	ug/l		97
67) Ethyl Benzene	10.189	91	253416	54.641	ug/l		99
68) m/p-Xylenes	10.299	106	185589	109.313	ug/l		97
69) o-Xylene	10.640	106	91772	53.595	ug/l		97
70) Styrene	10.652	104	159983	57.742	ug/l		99
71) Bromoform	10.799	173	38366	57.398	ug/l	#	99
73) Isopropylbenzene	10.963	105	243836	52.919	ug/l		98
74) N-amyl acetate	10.841	43	121472	56.183	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	88973	52.620	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	71668m	52.160	ug/l		
77) Bromobenzene	11.195	156	56307	51.793	ug/l		96
78) n-propylbenzene	11.305	91	283376	54.443	ug/l		99
79) 2-Chlorotoluene	11.360	91	172442	52.021	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	202034	54.228	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	21002	52.309	ug/l		88
82) 4-Chlorotoluene	11.451	91	199582	55.244	ug/l		99
83) tert-Butylbenzene	11.713	119	203383	53.130	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	206545	55.097	ug/l		100
85) sec-Butylbenzene	11.890	105	253038	55.182	ug/l		99
86) p-Isopropyltoluene	12.006	119	209335	56.490	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	103891	53.568	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	103661	52.831	ug/l		99
89) n-Butylbenzene	12.329	91	184773	57.893	ug/l		100
90) Hexachloroethane	12.536	117	36127	53.899	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	104122	53.519	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19045	57.816	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	59313	53.542	ug/l		98
94) Hexachlorobutadiene	13.725	225	24229	53.348	ug/l		99
95) Naphthalene	13.774	128	229675	53.962	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62234	53.253	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

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

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

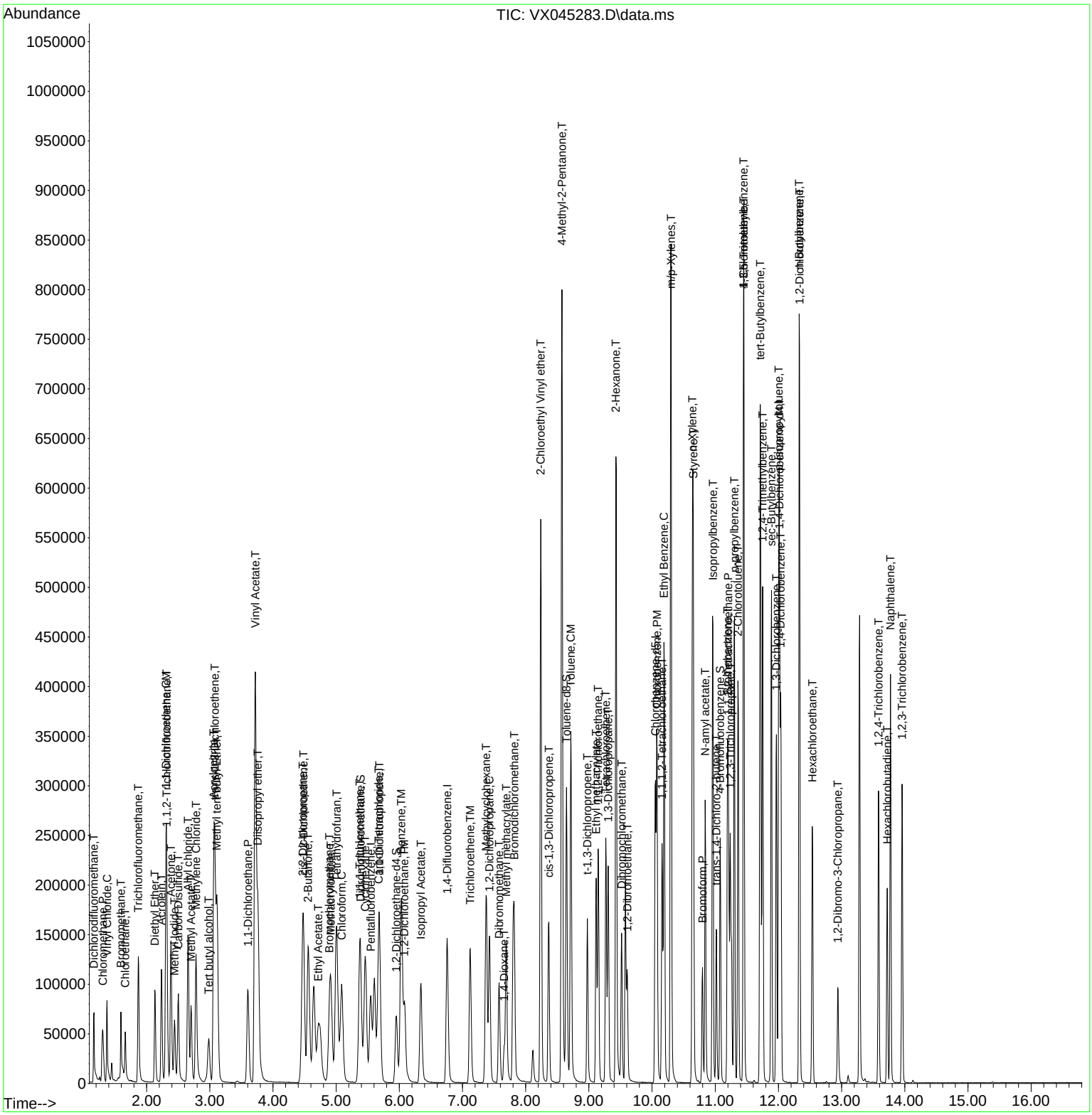
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Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

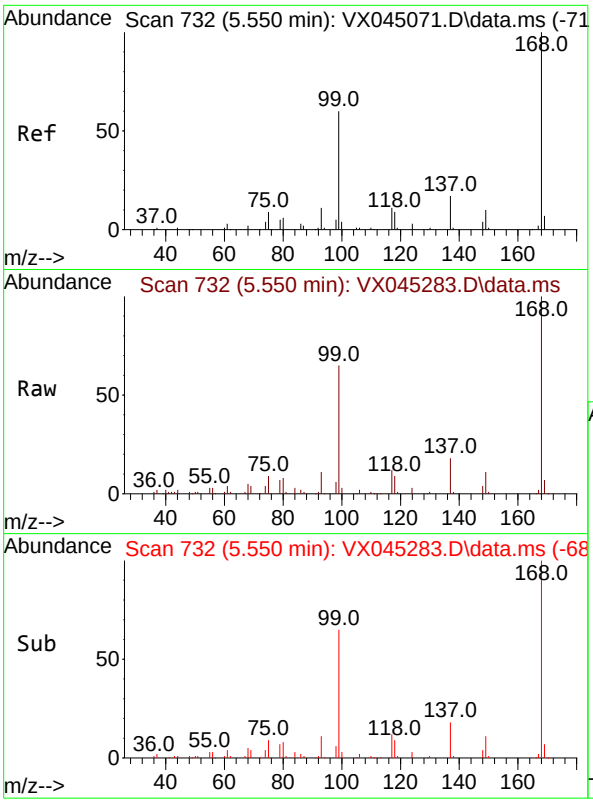
Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

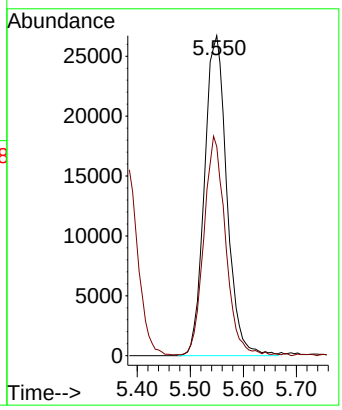




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:168 Resp: 7840

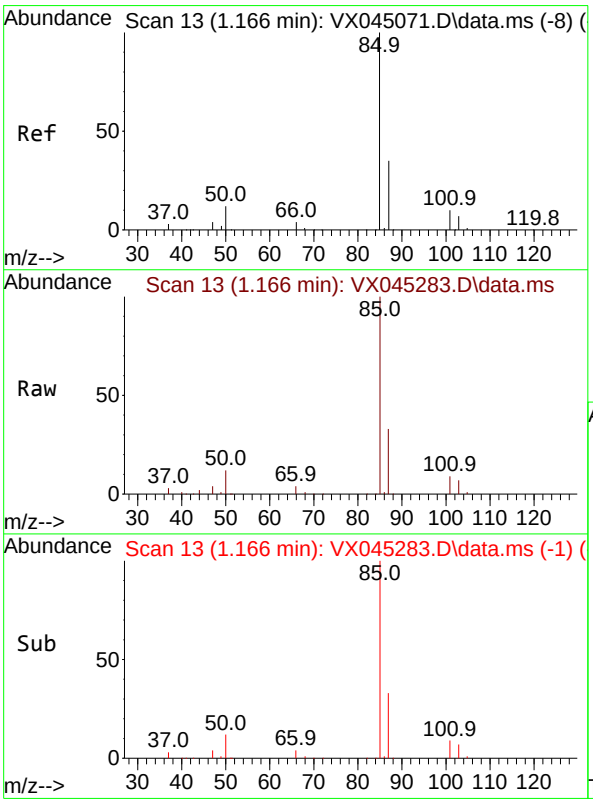
Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

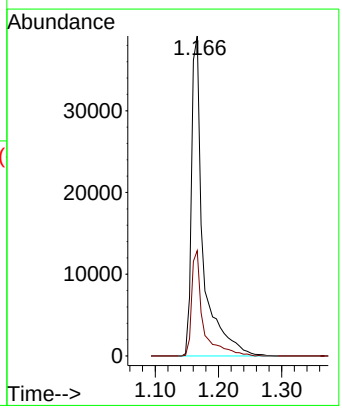
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

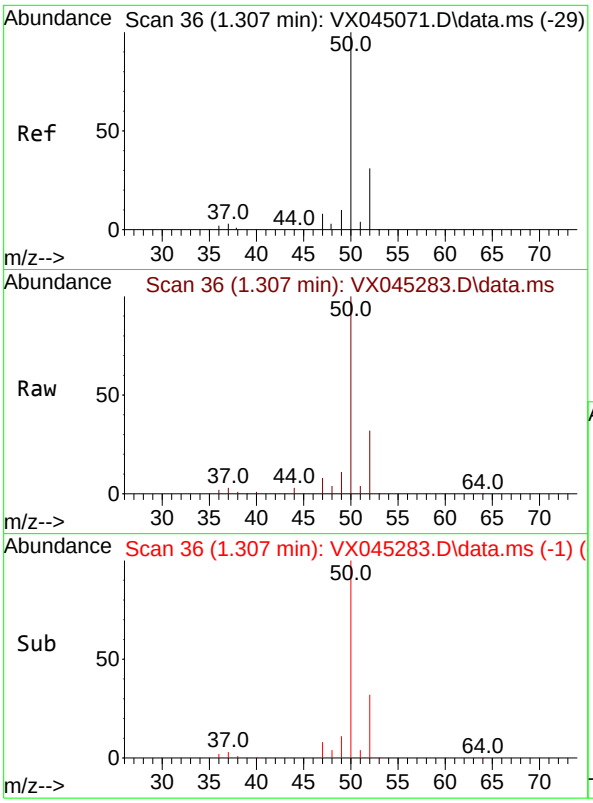


#2
Dichlorodifluoromethane
Concen: 51.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 85 Resp: 50504

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3

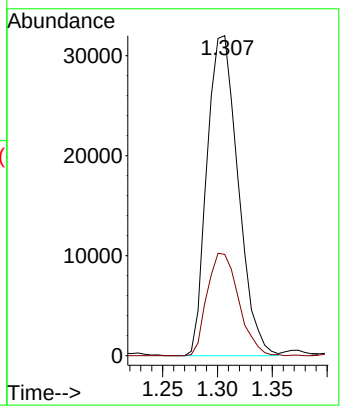




#3
Chloromethane
Concen: 52.360 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 50 Resp: 6324

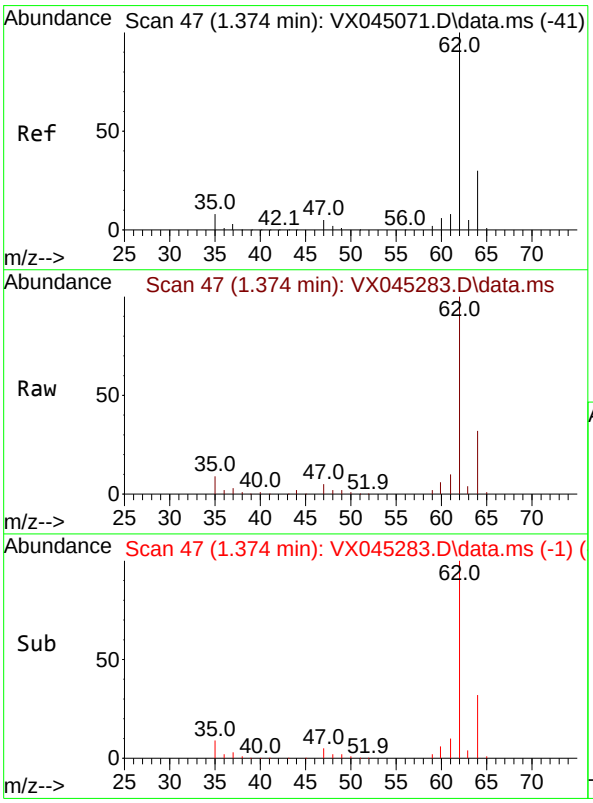
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

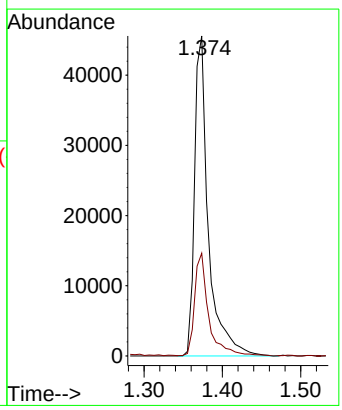
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

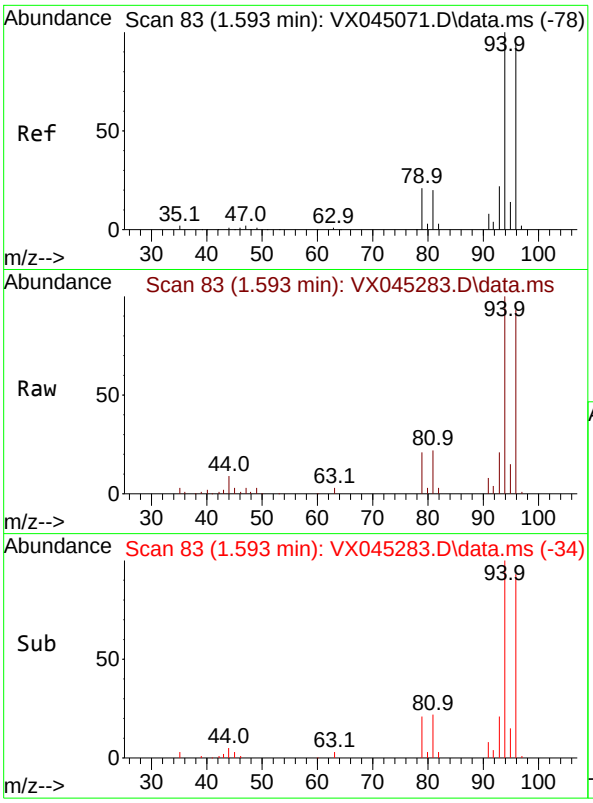


#4
Vinyl Chloride
Concen: 46.661 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 62 Resp: 55907

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

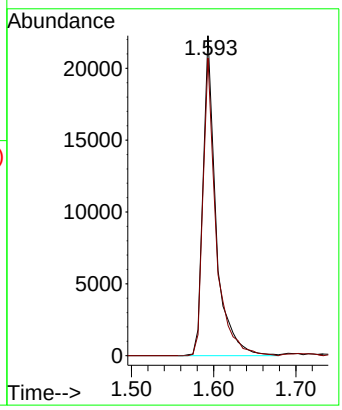




#5
Bromomethane
Concen: 51.687 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 94 Resp: 2434

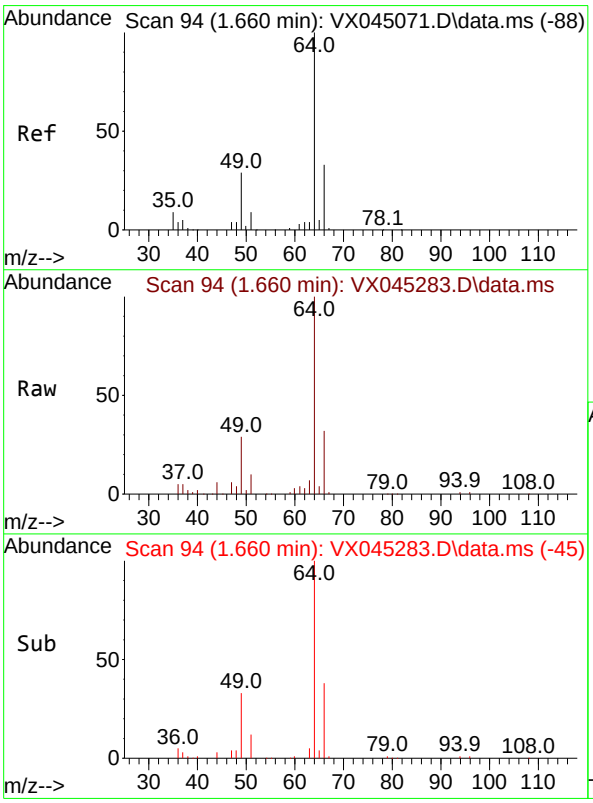
Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

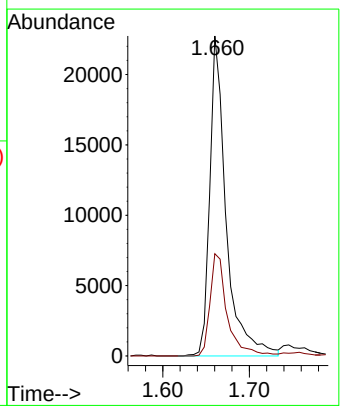
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

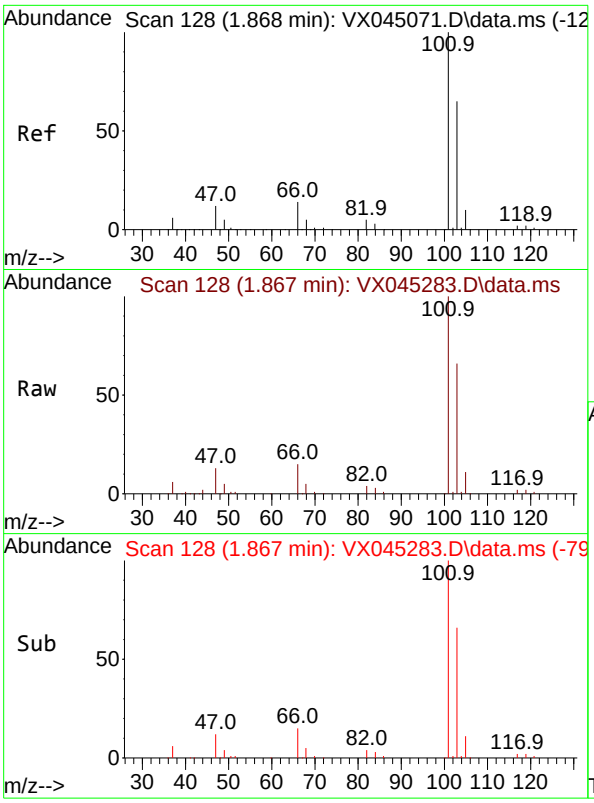


#6
Chloroethane
Concen: 53.994 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 64 Resp: 29840

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.7	40.1

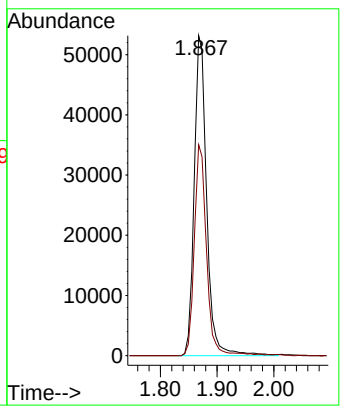




#7
Trichlorofluoromethane
Concen: 51.079 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:101 Resp: 8101

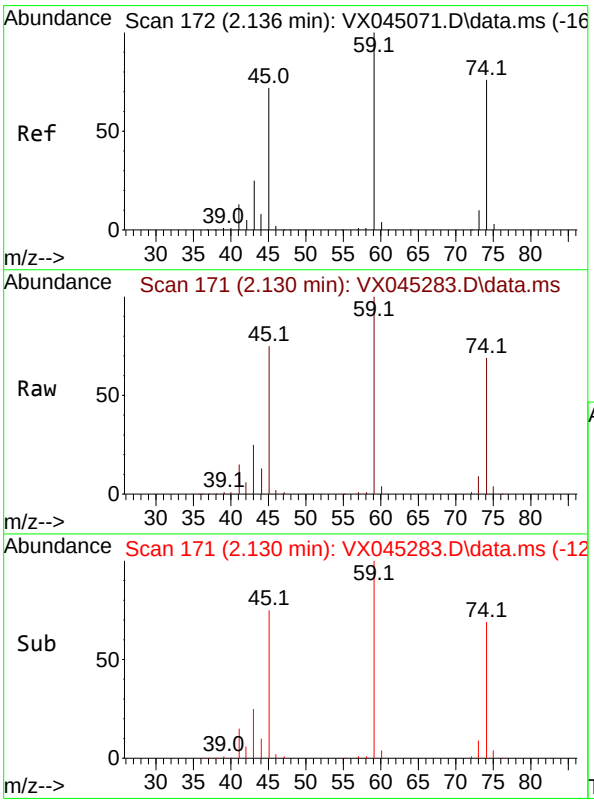
Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

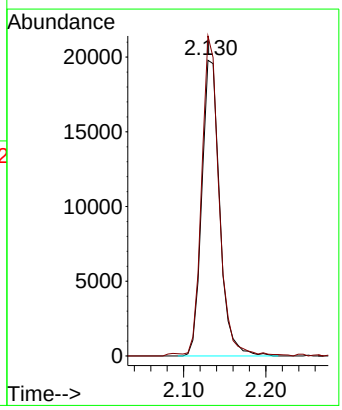
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

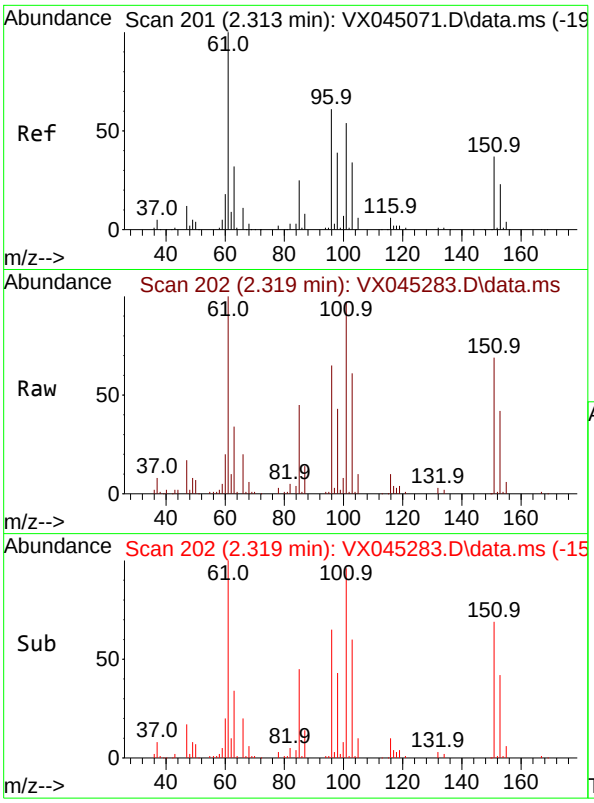


#8
Diethyl Ether
Concen: 48.195 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 74 Resp: 29900

Ion	Ratio	Lower	Upper
74	100		
45	106.1	51.5	154.5

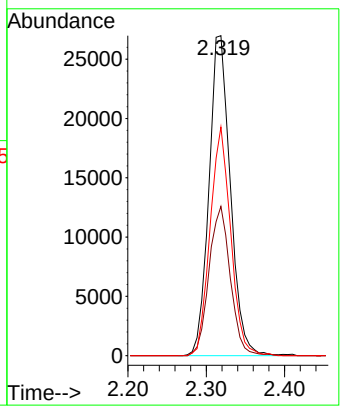




#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.104 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:101 Resp: 5112

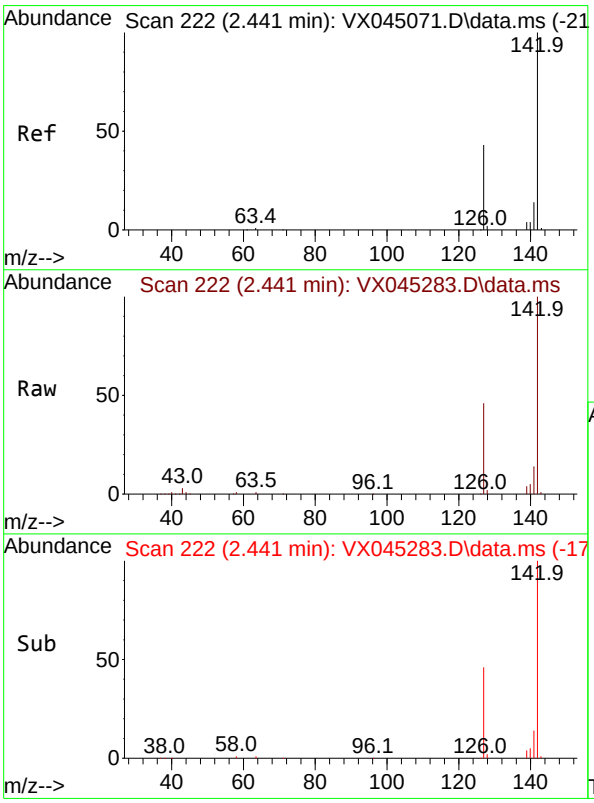
Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.1	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

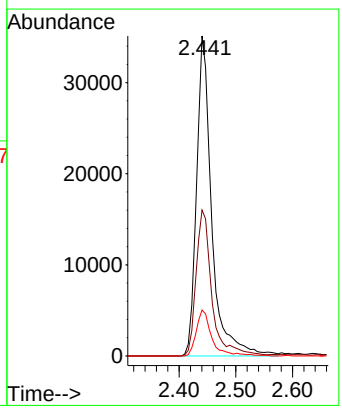
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

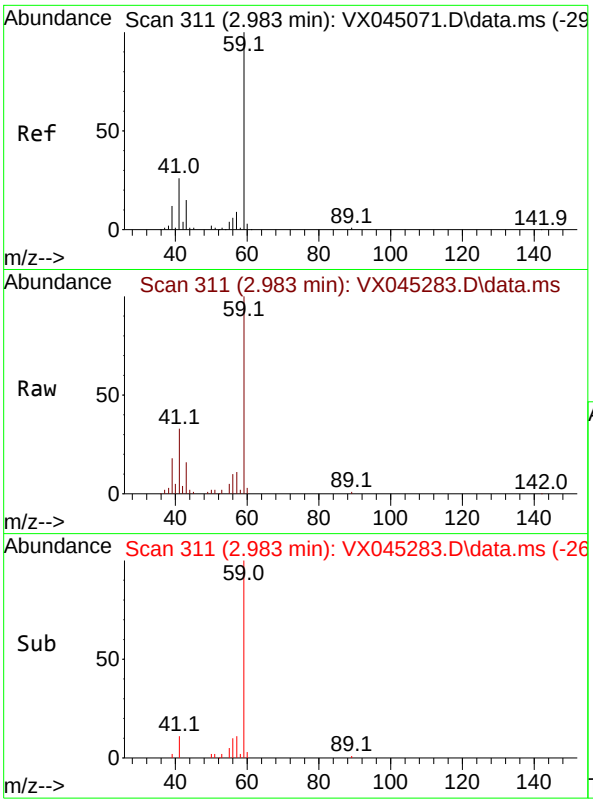


#10
Methyl Iodide
Concen: 57.437 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:142 Resp: 65409

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	14.6	11.6	17.4

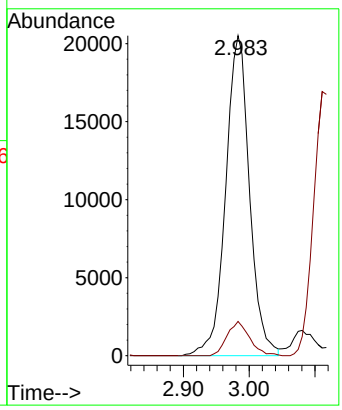




#11
Tert butyl alcohol
Concen: 218.906 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 59 Resp: 5171

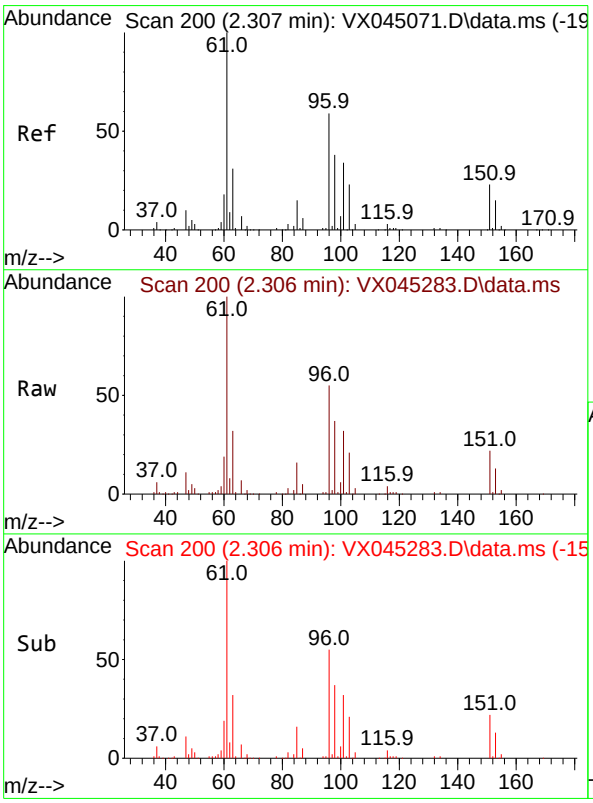
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

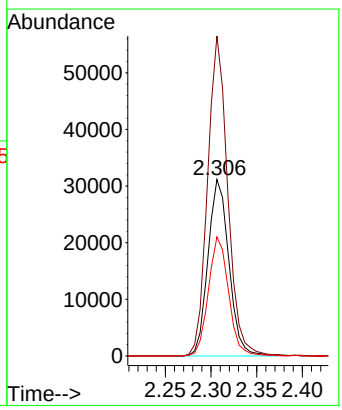
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

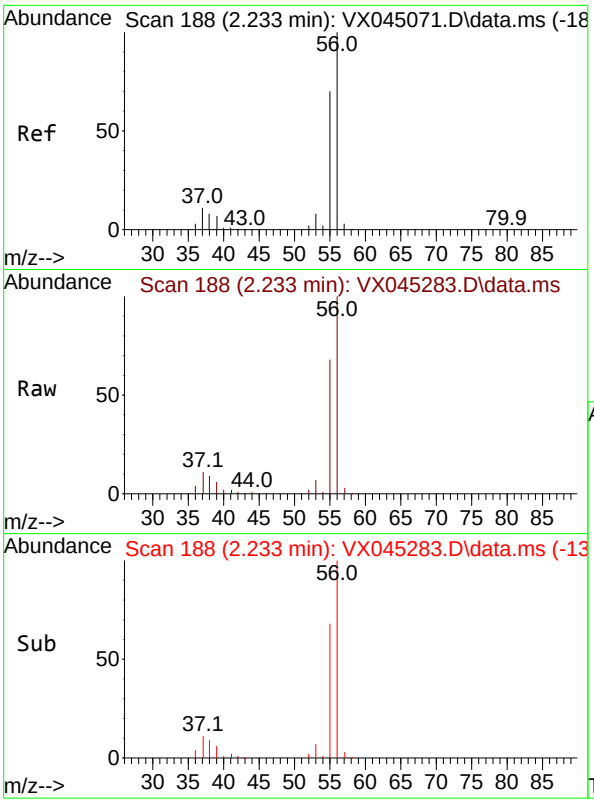


#12
1,1-Dichloroethene
Concen: 51.461 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 96 Resp: 49579

Ion	Ratio	Lower	Upper
96	100		
61	181.3	134.6	202.0
98	67.4	51.0	76.6

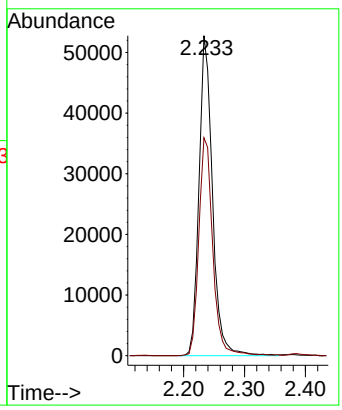




#13
Acrolein
Concen: 296.868 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 56 Resp: 8106

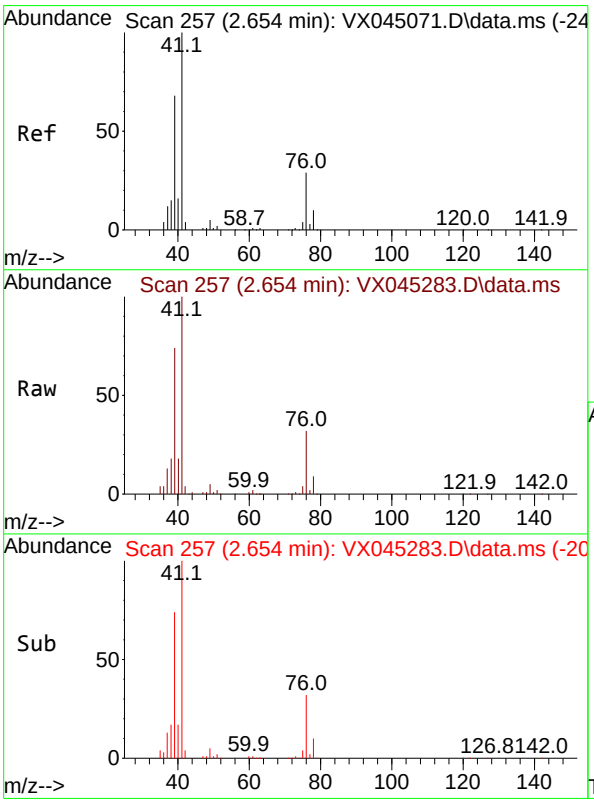
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

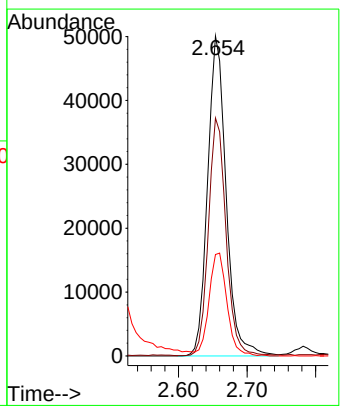
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

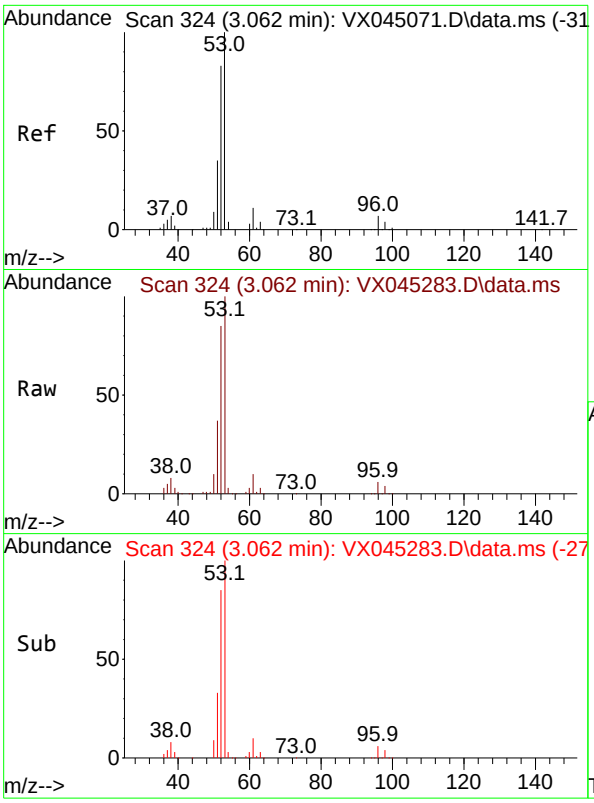


#14
Allyl chloride
Concen: 55.089 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 41 Resp: 94474

Ion	Ratio	Lower	Upper
41	100		
39	70.4	53.8	80.8
76	31.1	25.2	37.8

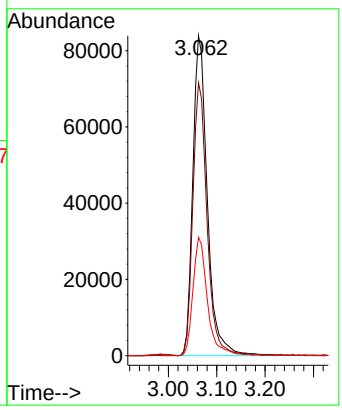




#15
Acrylonitrile
Concen: 276.353 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 53 Resp: 17496

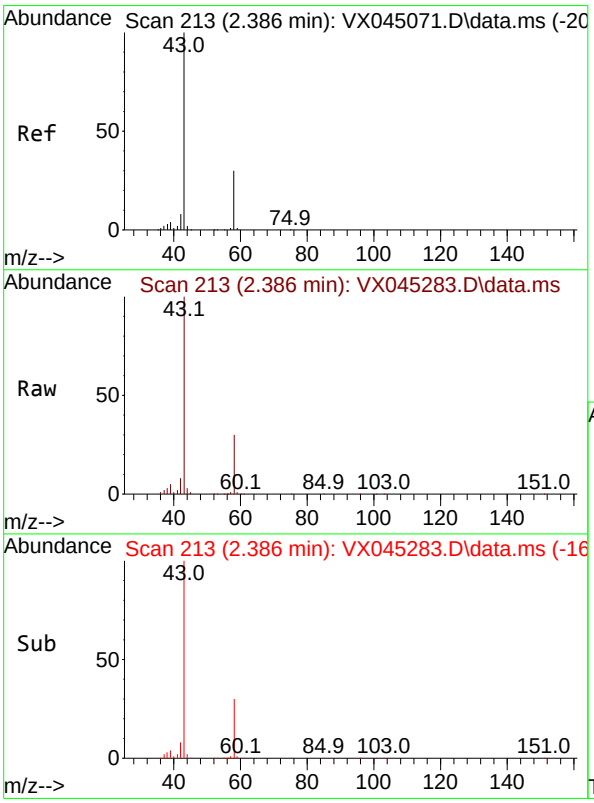
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	37.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

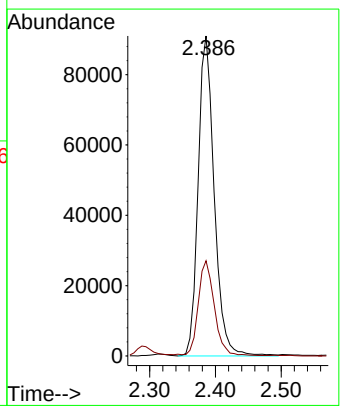
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

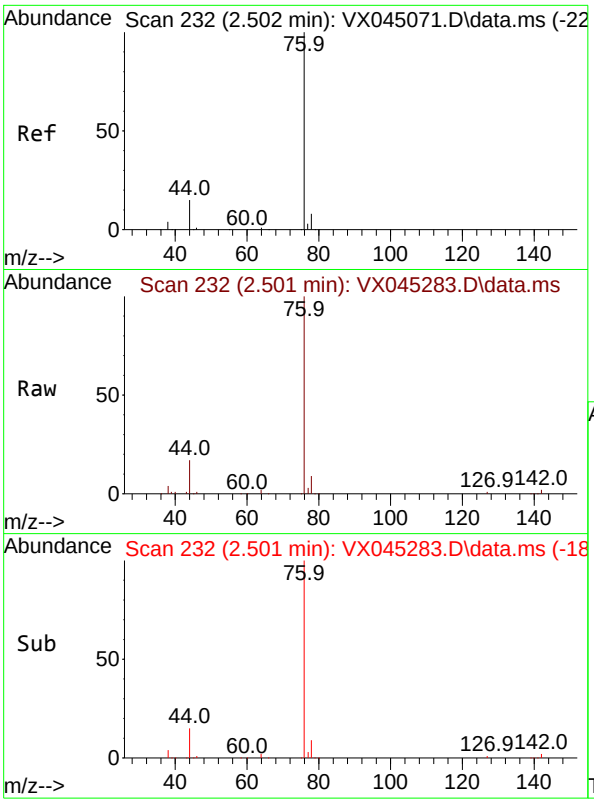


#16
Acetone
Concen: 267.281 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 154659

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.2	36.4

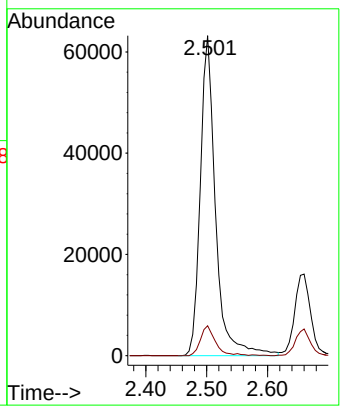




#17
Carbon Disulfide
Concen: 42.902 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 76 Resp: 11009

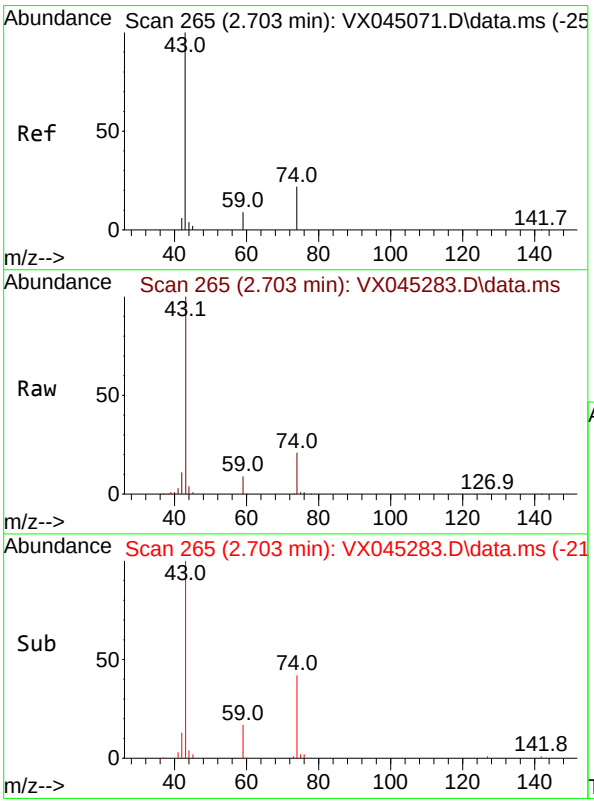
Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

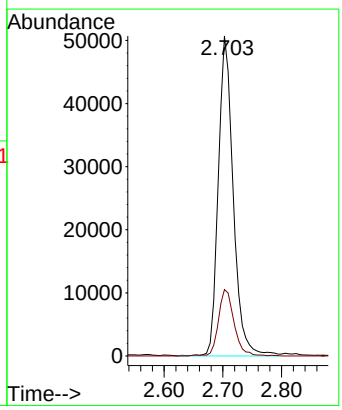
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

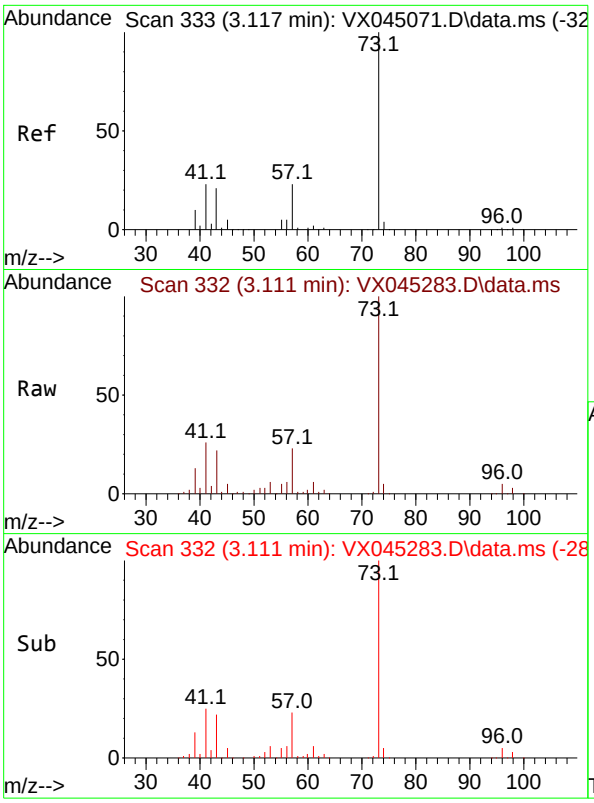


#18
Methyl Acetate
Concen: 64.394 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 89637

Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.2

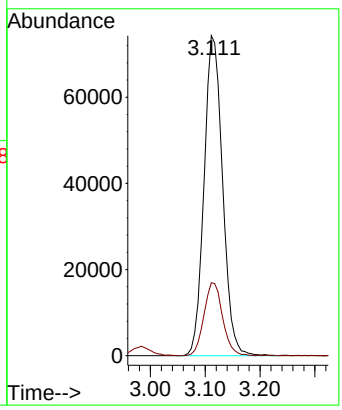




#19
Methyl tert-butyl Ether
Concen: 53.877 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 73 Resp: 17414

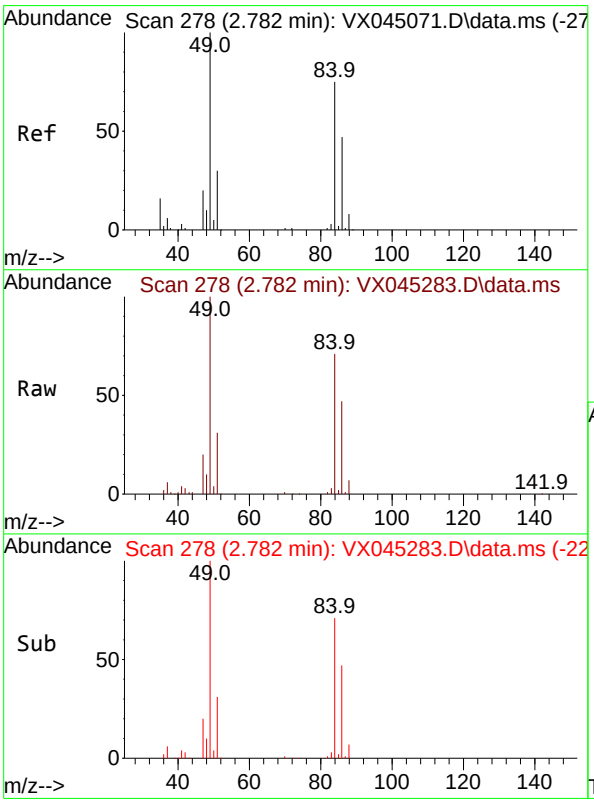
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

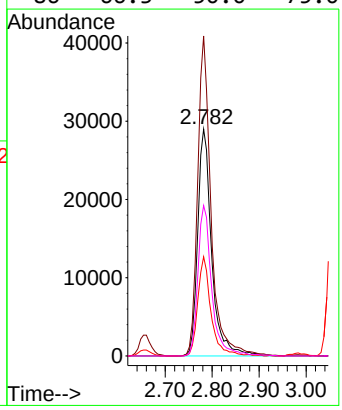
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

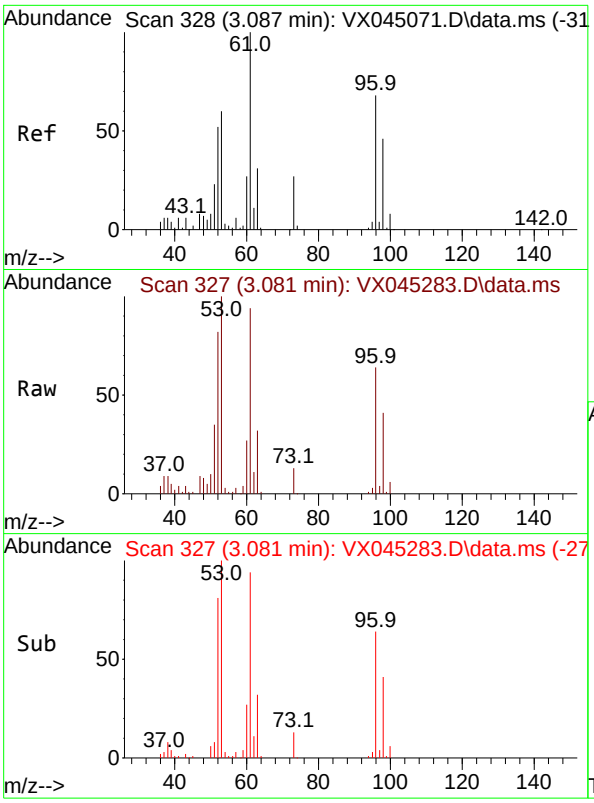


#20
Methylene Chloride
Concen: 52.463 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 84 Resp: 60134

Ion	Ratio	Lower	Upper
84	100		
49	141.1	106.5	159.7
51	43.7	32.1	48.1
86	66.3	50.0	75.0

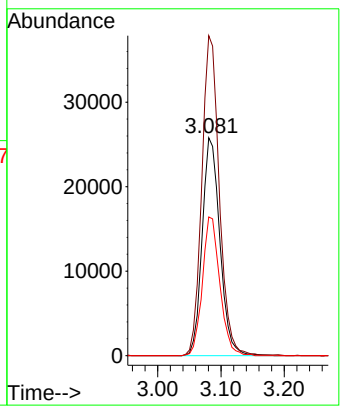




#21
trans-1,2-Dichloroethene
Concen: 52.824 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 96 Resp: 5027

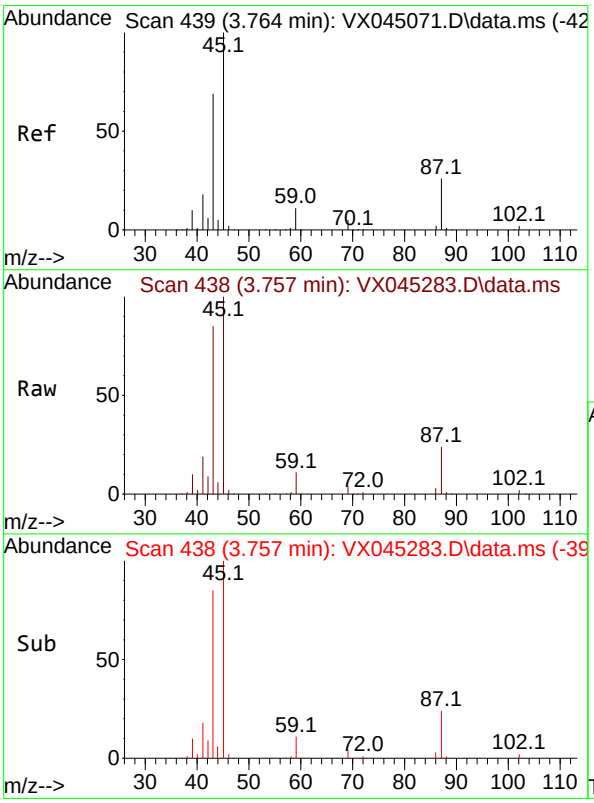
Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	63.7	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

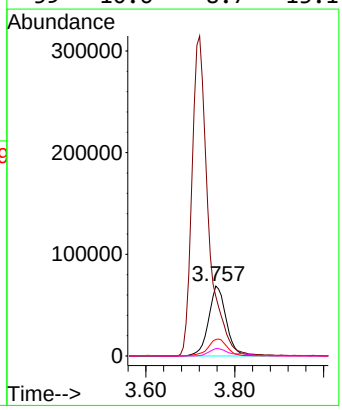
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

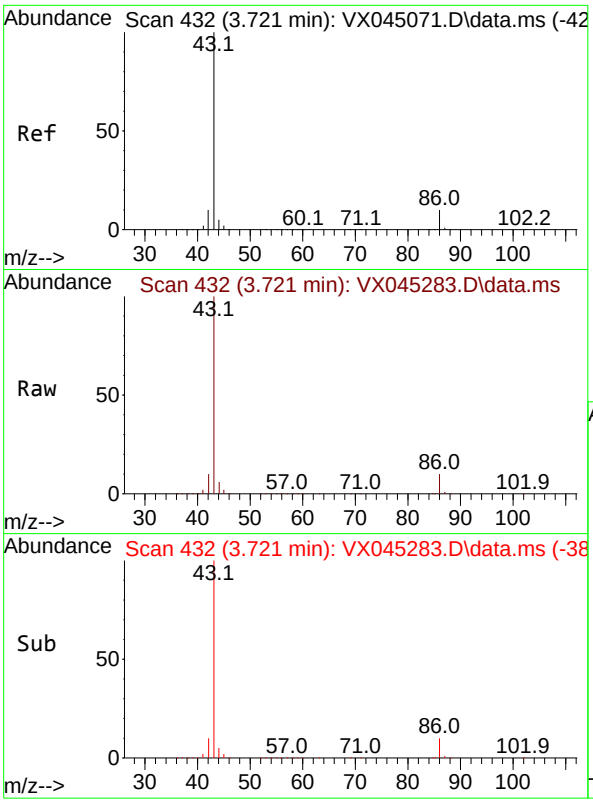


#22
Diisopropyl ether
Concen: 54.746 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 45 Resp: 190943

Ion	Ratio	Lower	Upper
45	100		
43	85.1	54.9	82.3#
87	23.6	21.0	31.4
59	10.6	8.7	13.1

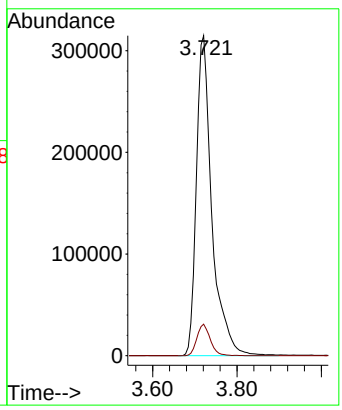




#23
Vinyl Acetate
Concen: 277.131 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 80661

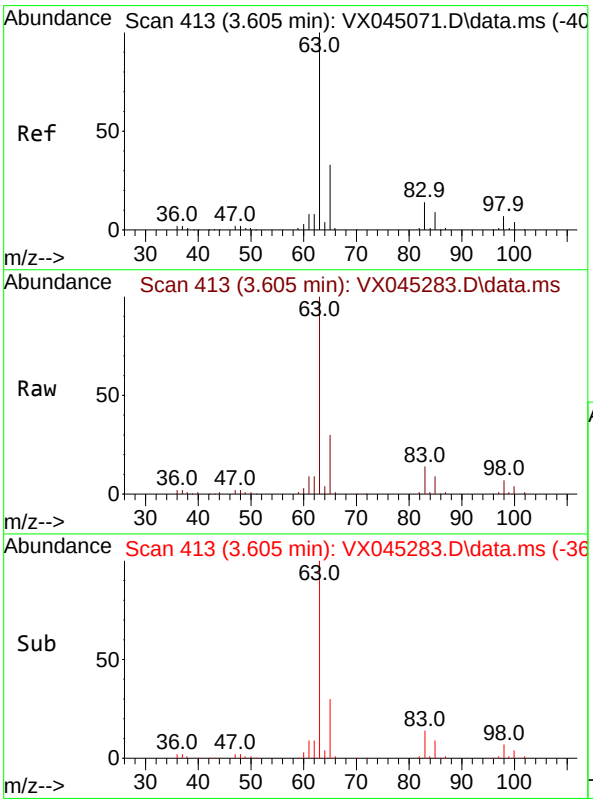
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

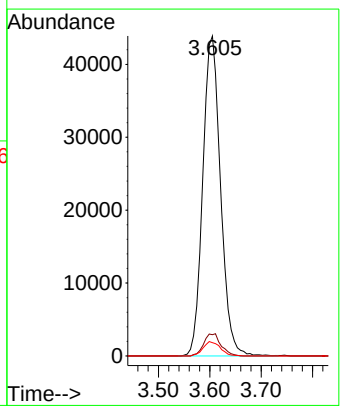
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

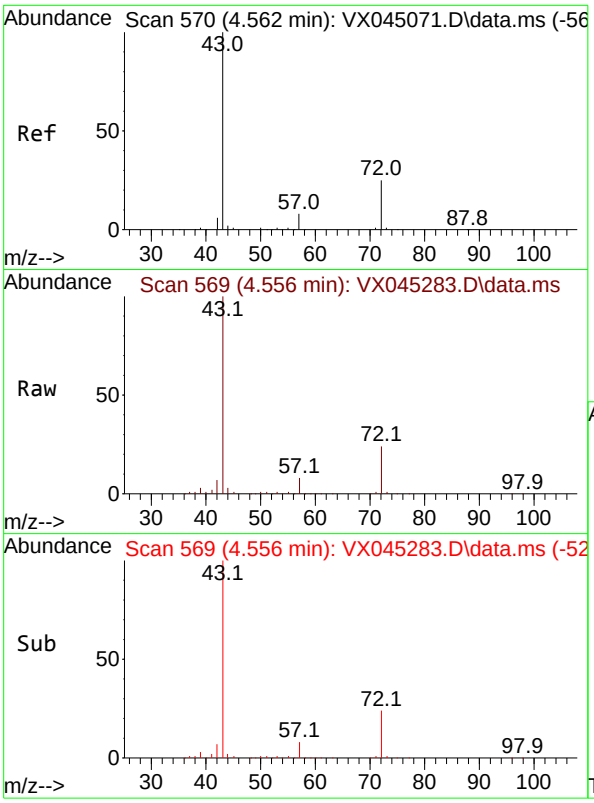


#24
1,1-Dichloroethane
Concen: 53.947 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 63 Resp: 105449

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 280.855 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

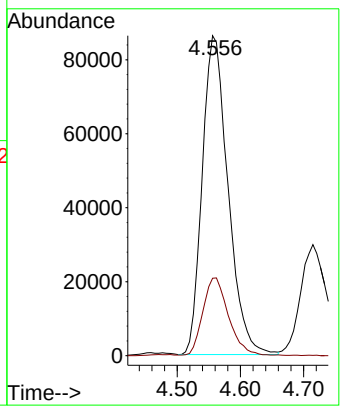
Tgt Ion: 43 Resp: 24462

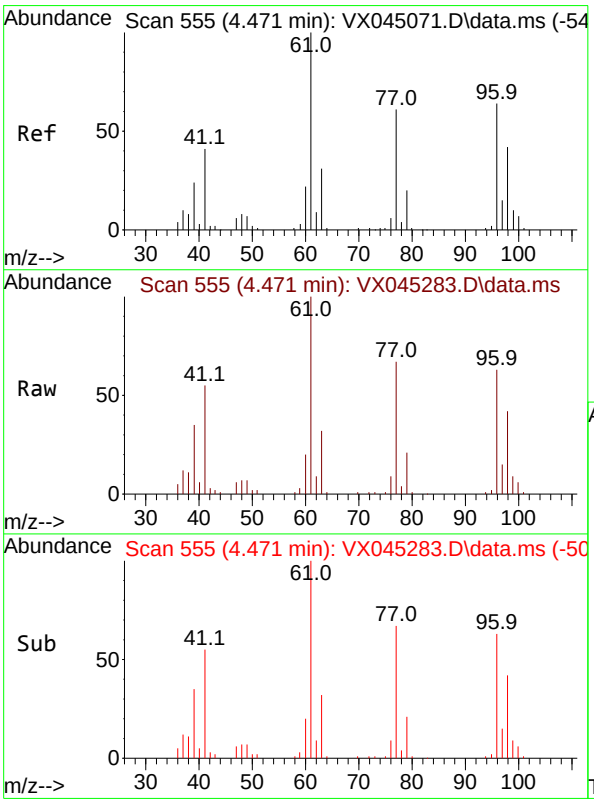
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

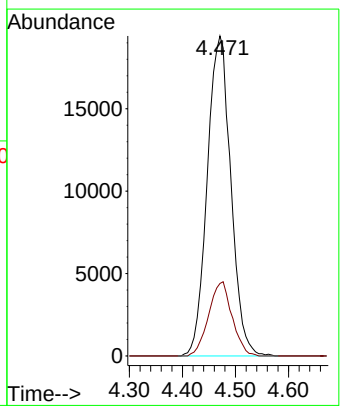


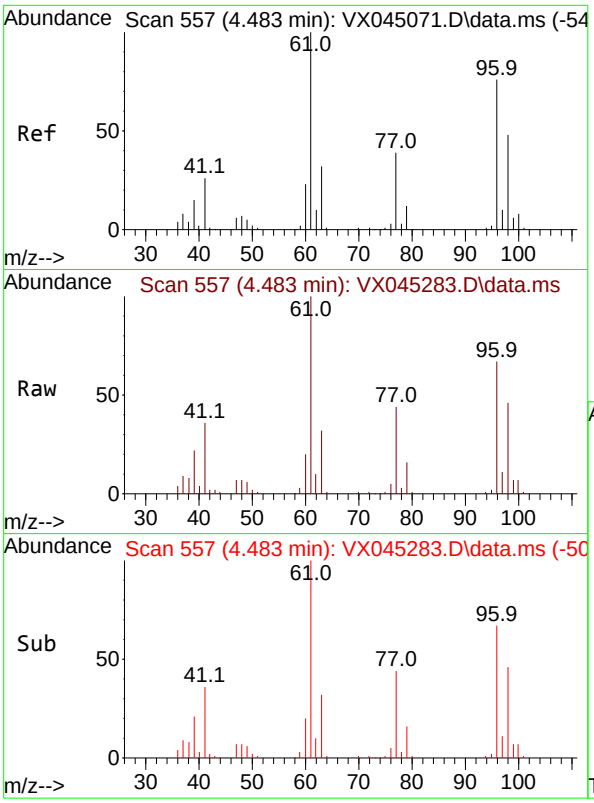


#26
2,2-Dichloropropane
Concen: 65.428 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 77 Resp: 59987

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0

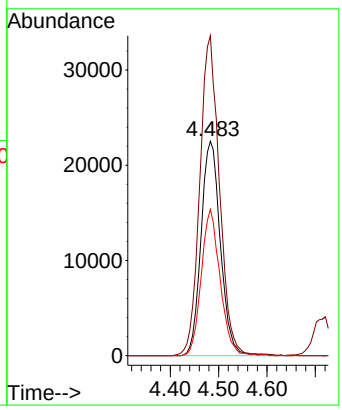




#27
cis-1,2-Dichloroethene
Concen: 53.261 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 96 Resp: 6257

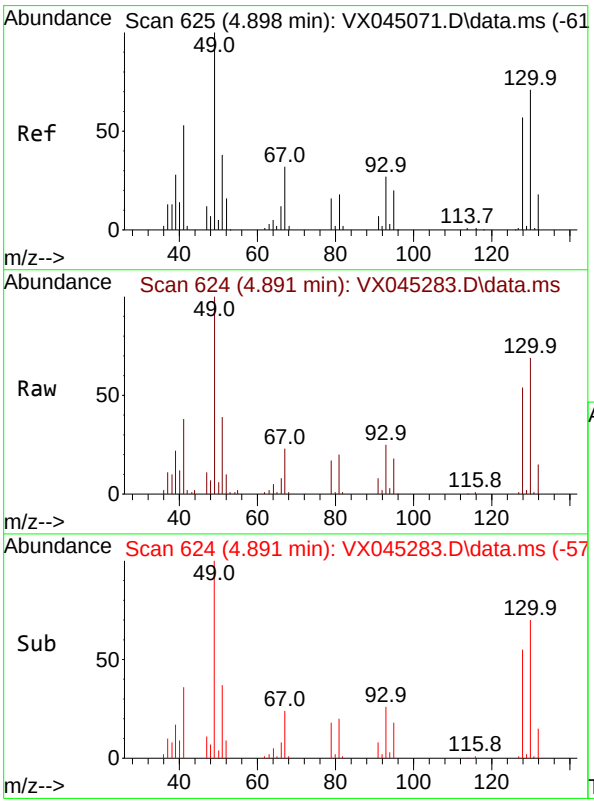
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	283.2
98	66.4	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

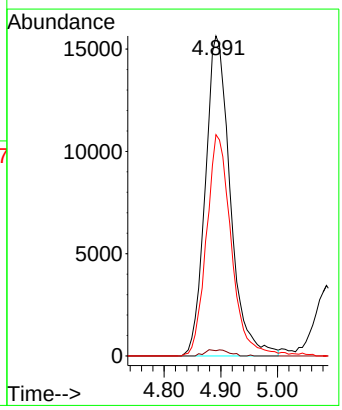
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

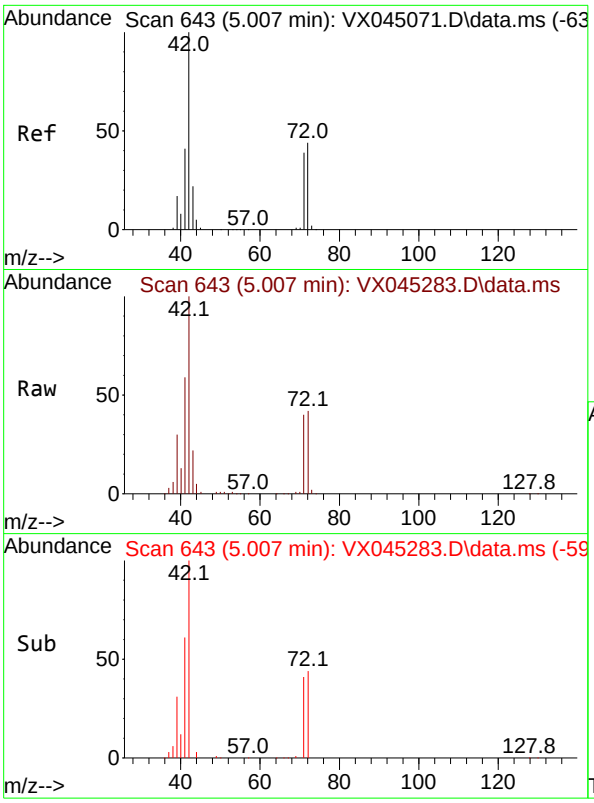


#28
Bromochloromethane
Concen: 51.273 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 49 Resp: 47770

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.0	56.1	84.1

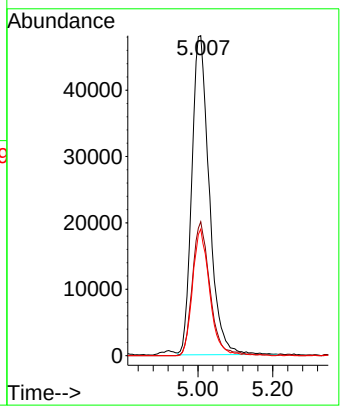




#29
Tetrahydrofuran
Concen: 266.382 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 42 Resp: 15581

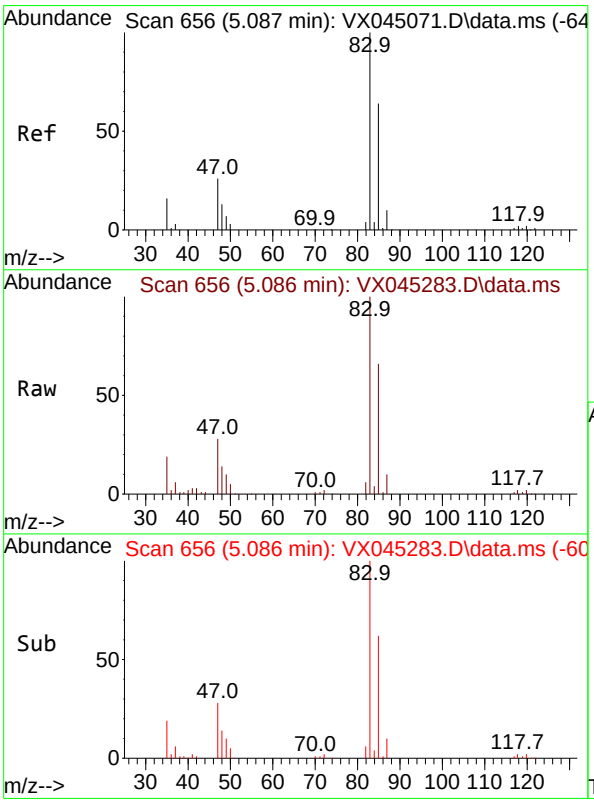
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	38.8	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

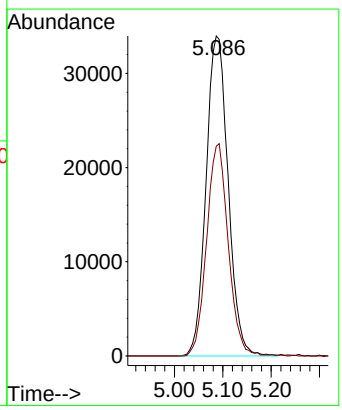
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

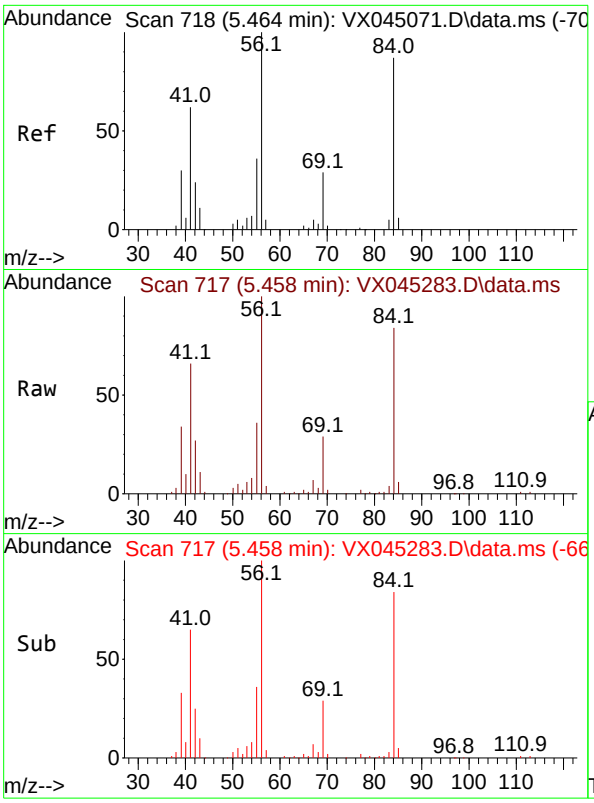


#30
Chloroform
Concen: 55.352 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 83 Resp: 107504

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2

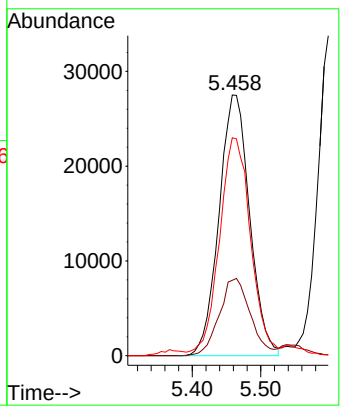




#31
Cyclohexane
Concen: 50.380 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 56 Resp: 8548

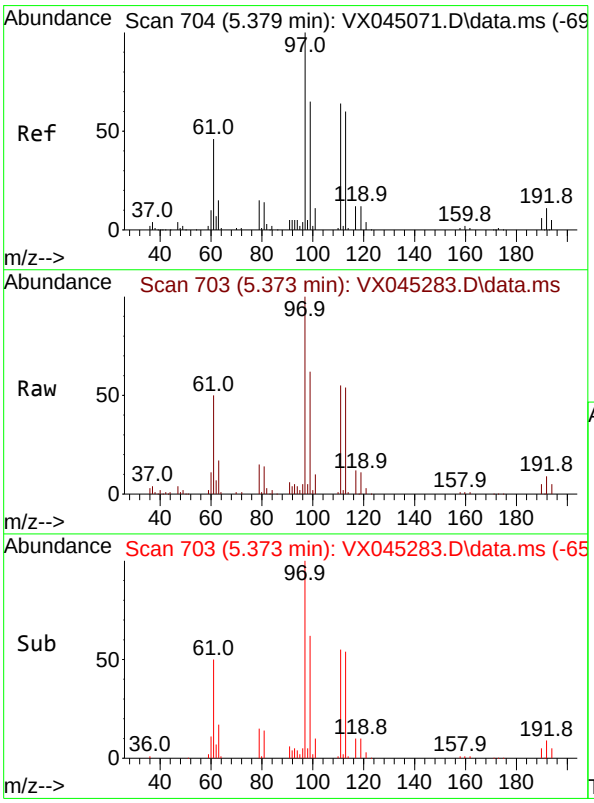
Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.4	35.2
84	81.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

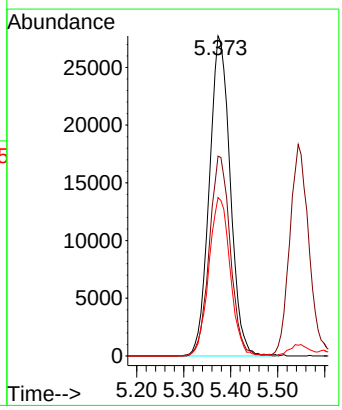
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

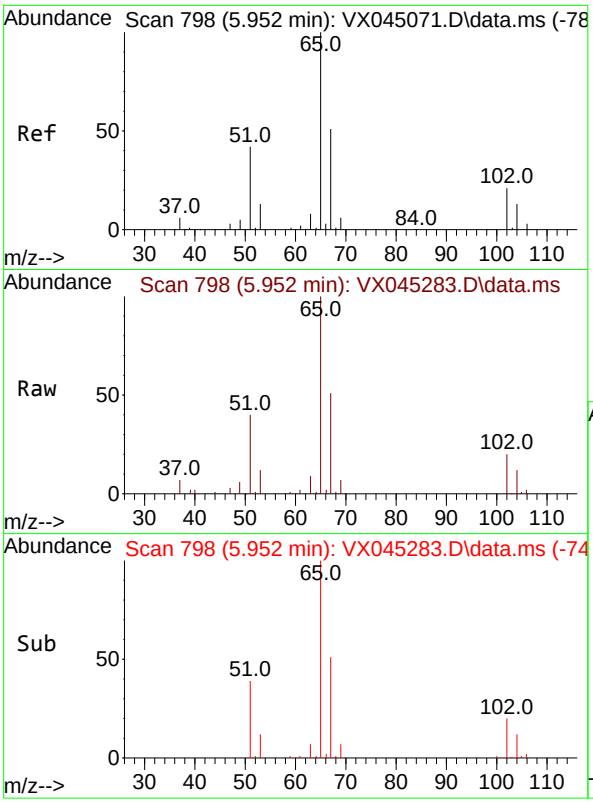


#32
1,1,1-Trichloroethane
Concen: 54.563 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 97 Resp: 85589

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.6	77.4
61	50.8	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 52.306 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

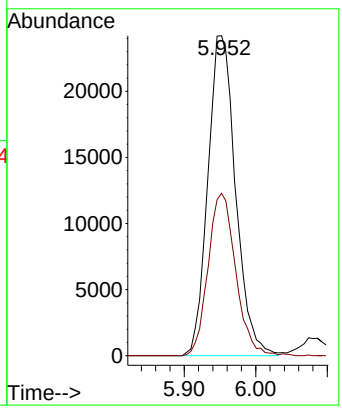
Tgt Ion: 65 Resp: 6523

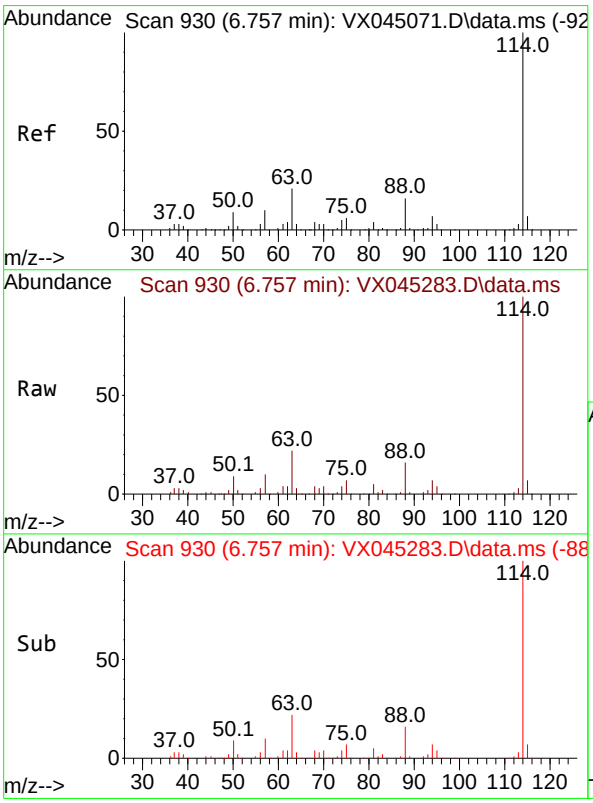
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

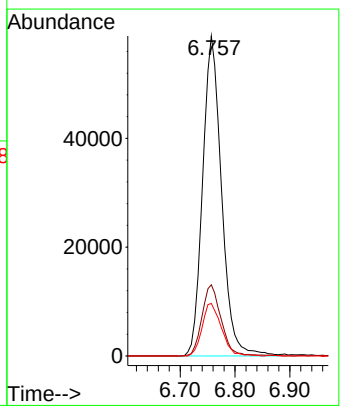


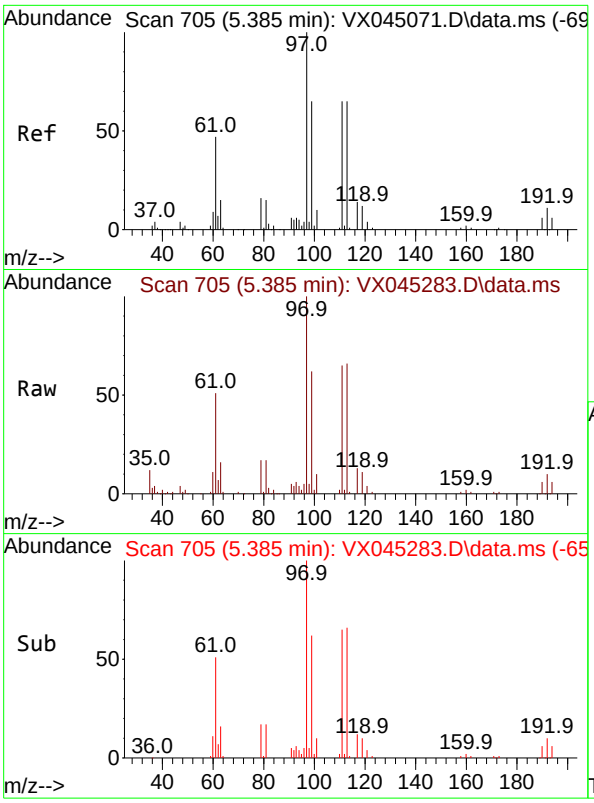


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:114 Resp: 140955

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.4	0.0	32.8

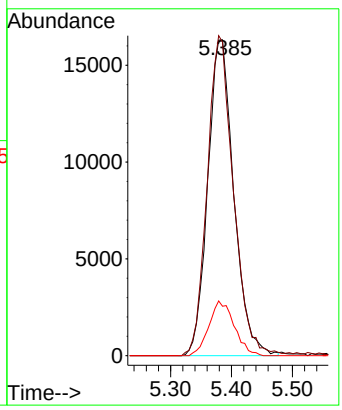




#35
Dibromofluoromethane
Concen: 51.369 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:113 Resp: 4841

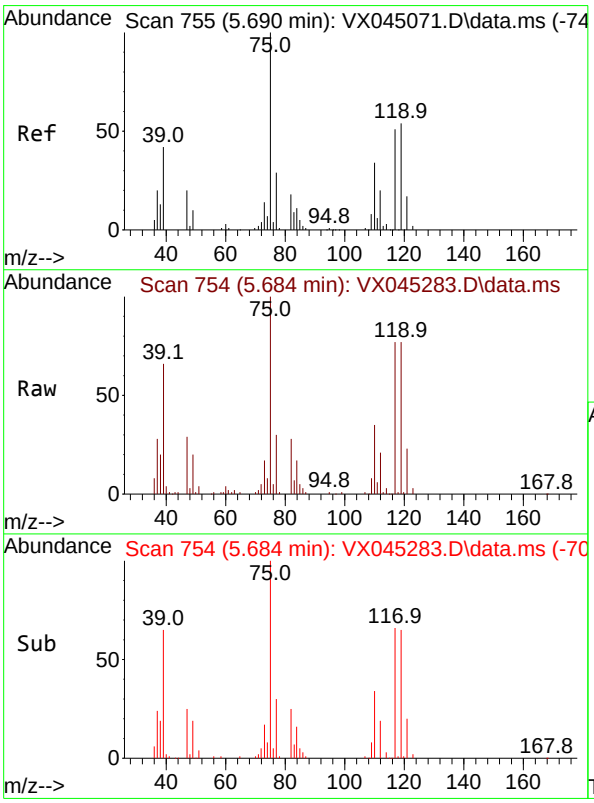
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

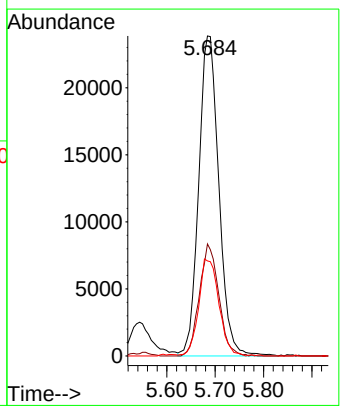
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

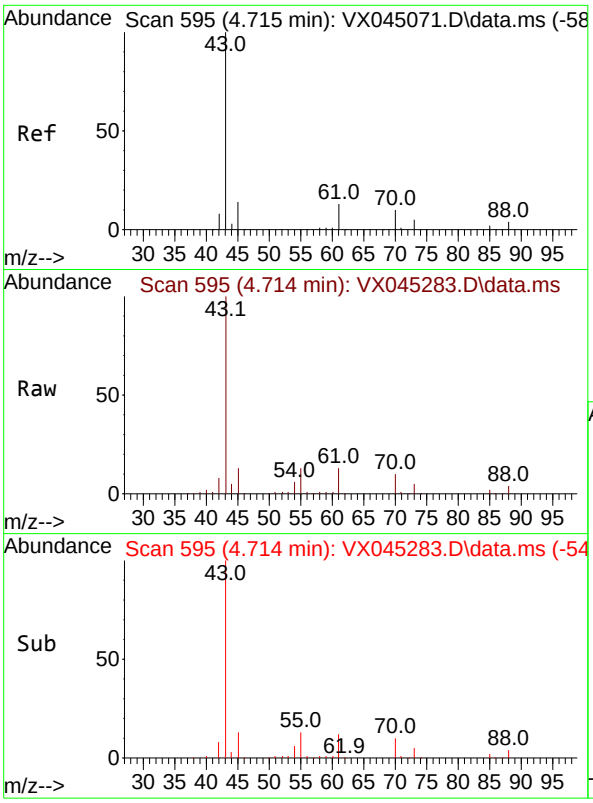


#36
1,1-Dichloropropene
Concen: 53.401 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 69025

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.3	24.5	36.7

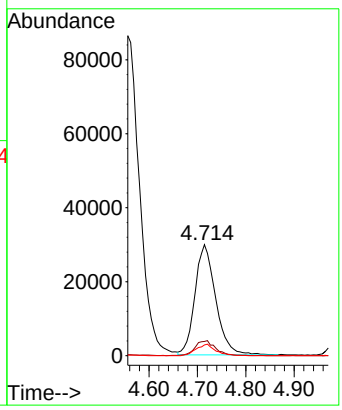




#37
Ethyl Acetate
Concen: 53.332 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 8882

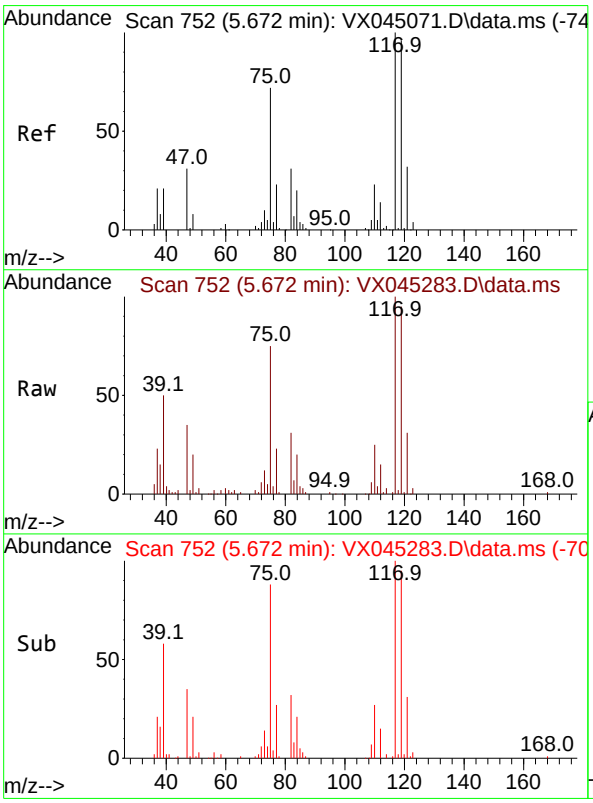
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

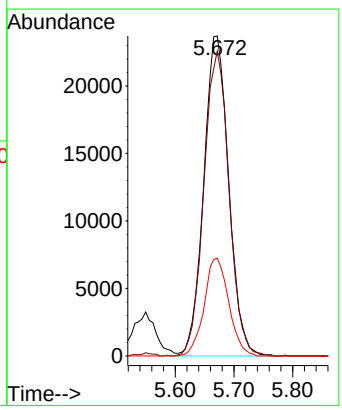
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

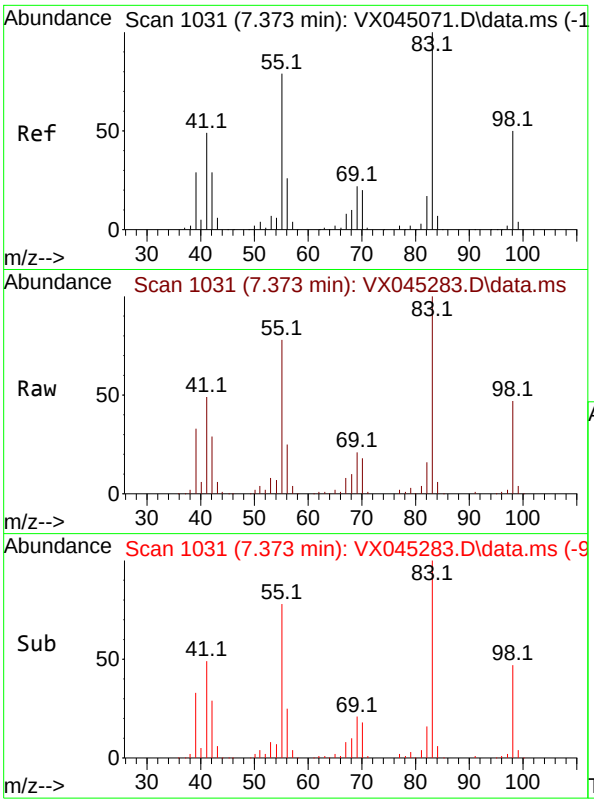


#38
Carbon Tetrachloride
Concen: 53.462 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:117 Resp: 70158

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	30.6	25.5	38.3

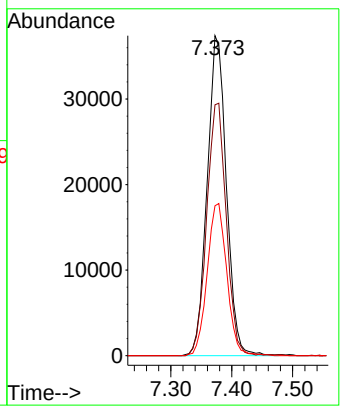




#39
Methylcyclohexane
Concen: 52.933 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 83 Resp: 8198

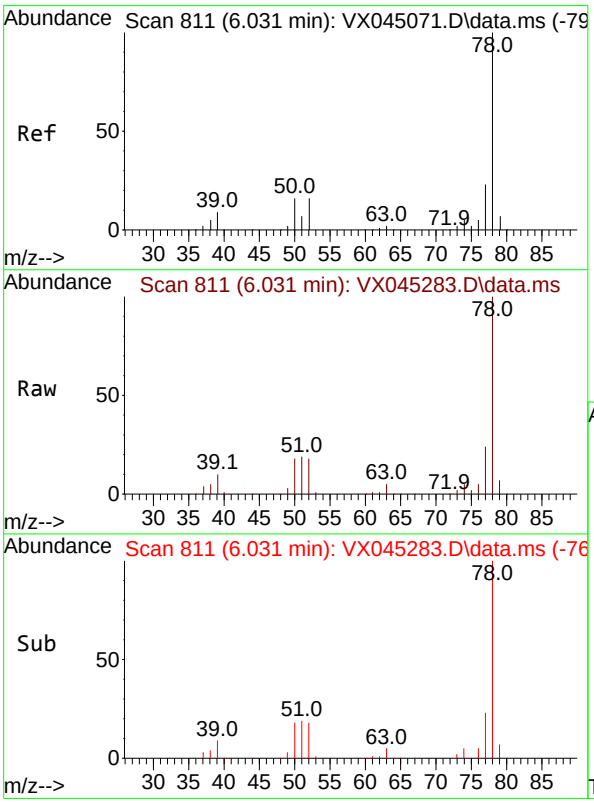
Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.0	94.4
98	46.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

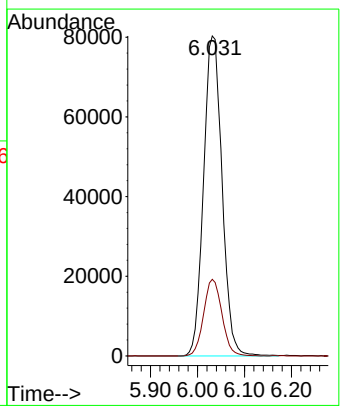
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

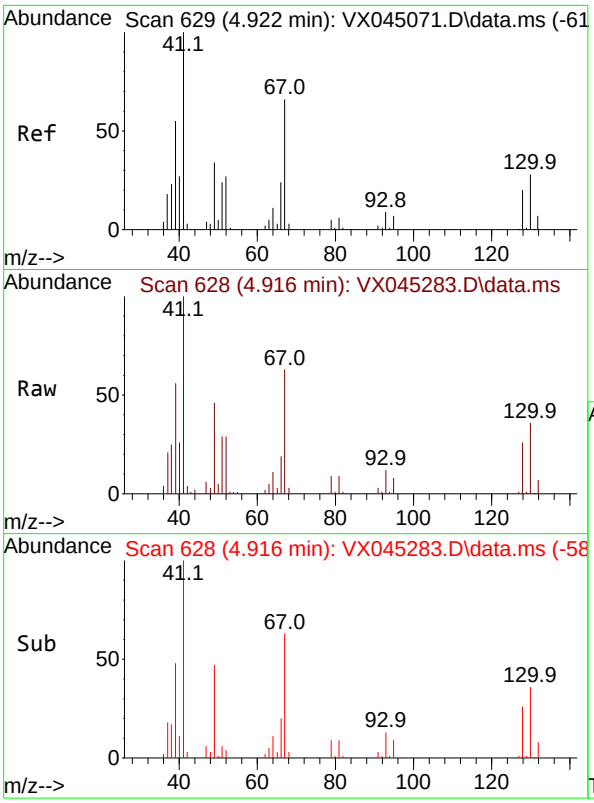


#40
Benzene
Concen: 53.682 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 78 Resp: 219114

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

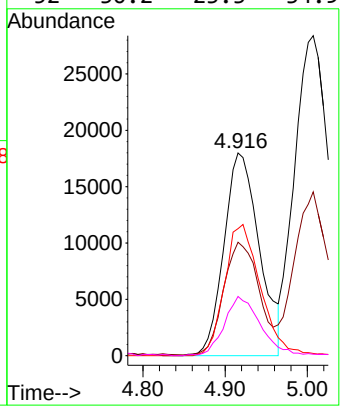




#41
Methacrylonitrile
Concen: 59.938 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 41 Resp: 5398

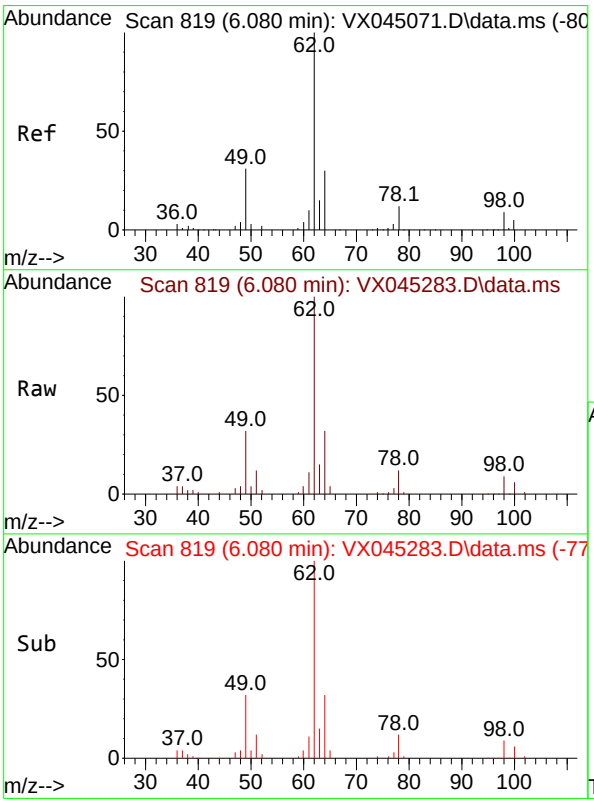
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.6	67.0
67	66.1	53.9	80.9
52	30.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

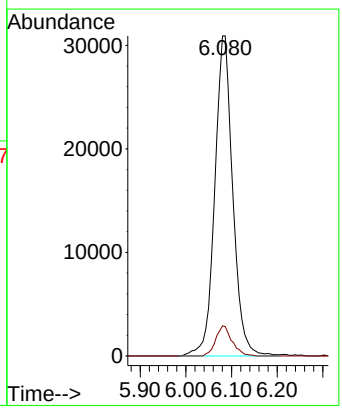
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

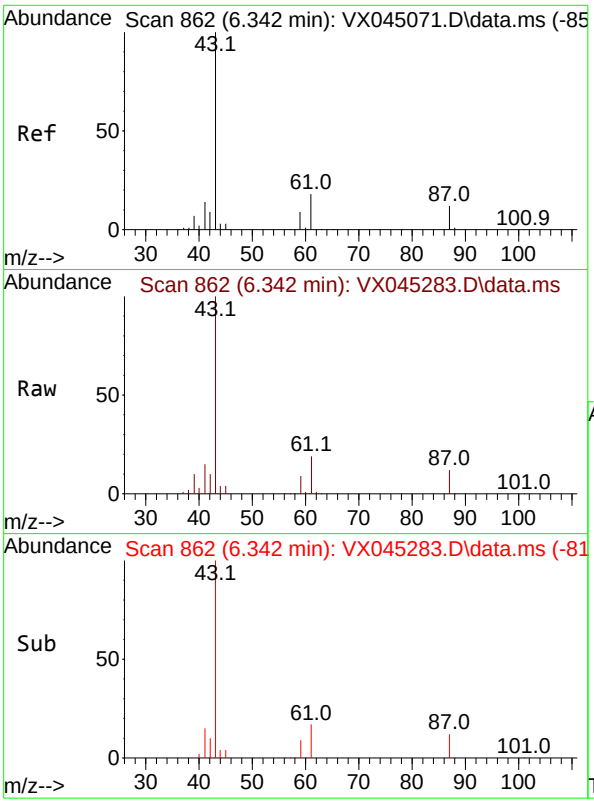


#42
1,2-Dichloroethane
Concen: 57.596 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 62 Resp: 84656

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

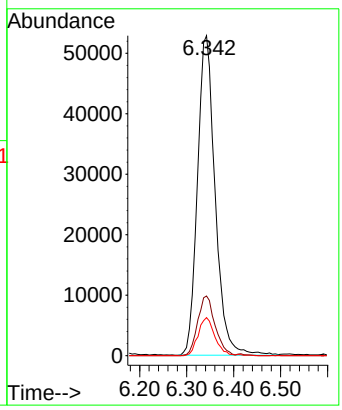




#43
Isopropyl Acetate
Concen: 56.199 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 13841

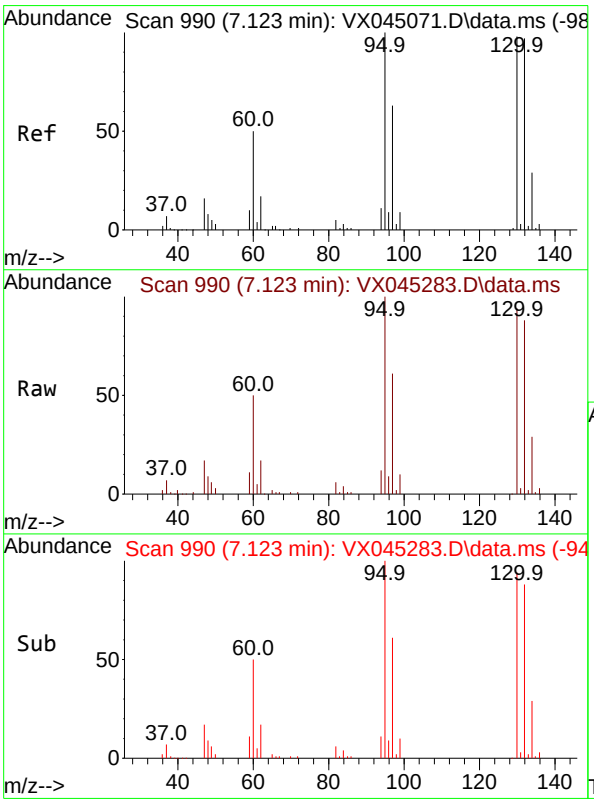
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.4	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

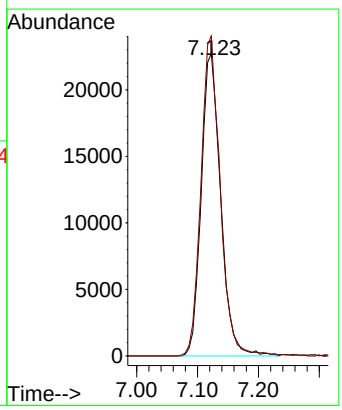
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

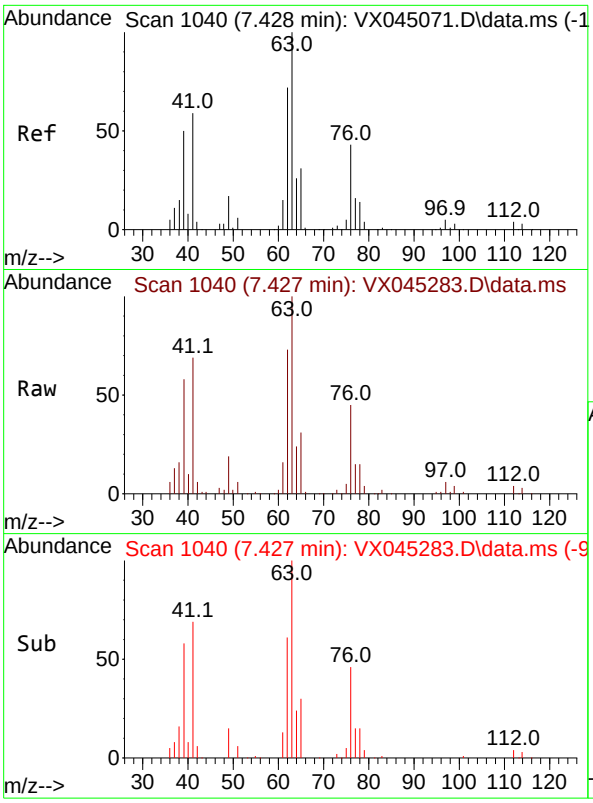


#44
Trichloroethene
Concen: 52.524 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:130 Resp: 50340

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	205.0

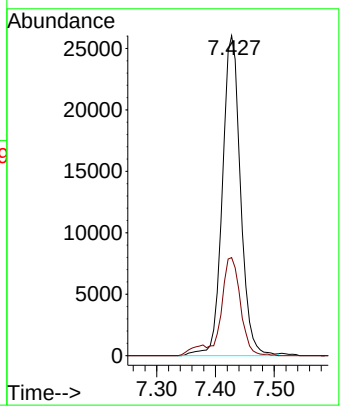




#45
1,2-Dichloropropane
Concen: 53.295 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 63 Resp: 5593

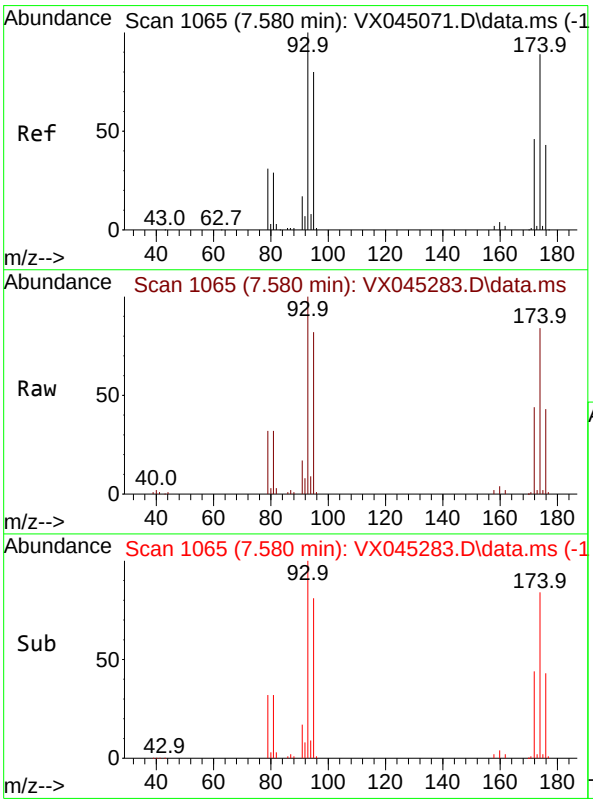
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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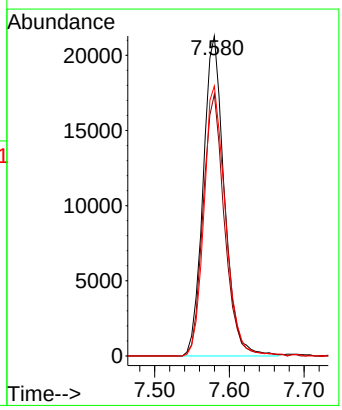
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

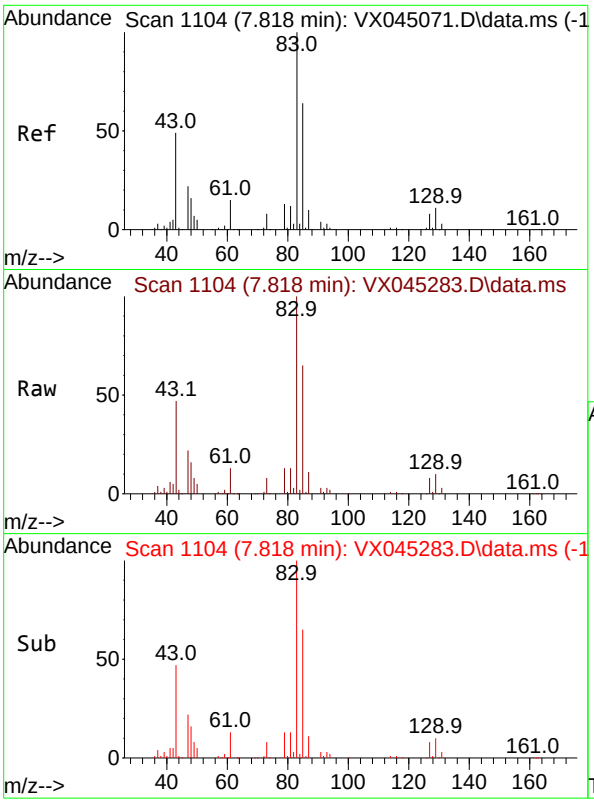


#46
Dibromomethane
Concen: 56.462 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 93 Resp: 41881

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.3	72.2	108.2

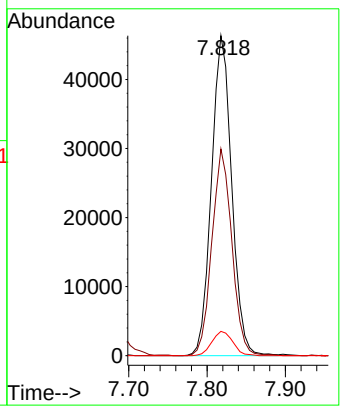




#47
Bromodichloromethane
Concen: 57.200 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 83 Resp: 8322

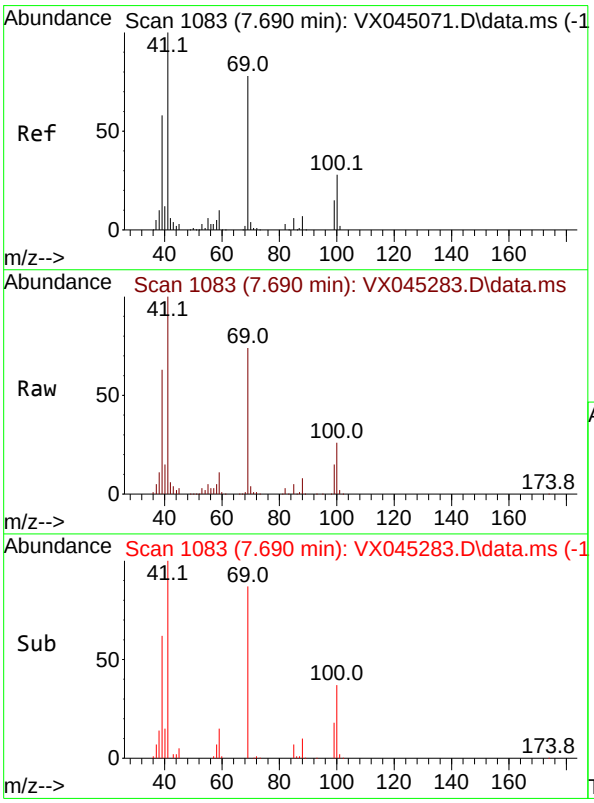
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	7.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

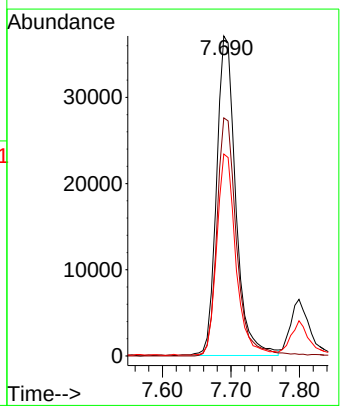
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

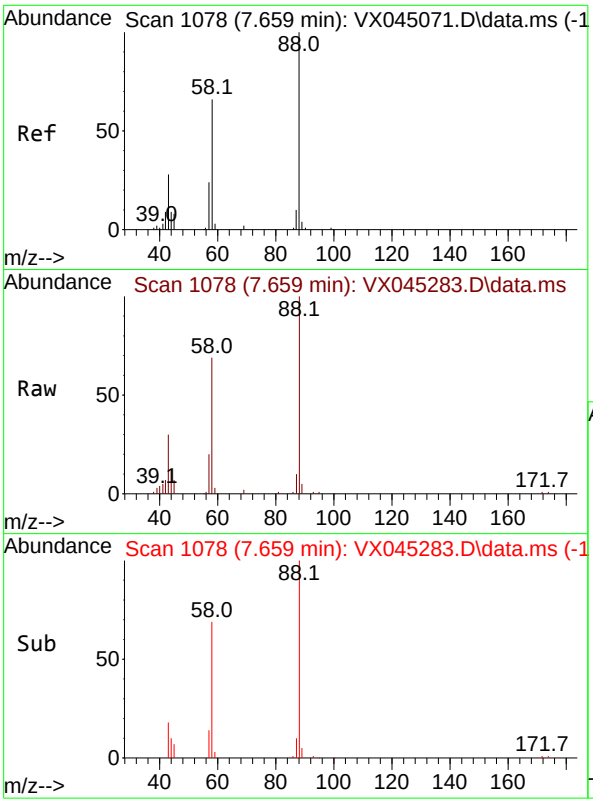


#48
Methyl methacrylate
Concen: 58.331 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 41 Resp: 72075

Ion	Ratio	Lower	Upper
41	100		
69	76.3	63.0	94.6
39	62.6	47.5	71.3





#49
1,4-Dioxane
Concen: 1054.131 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

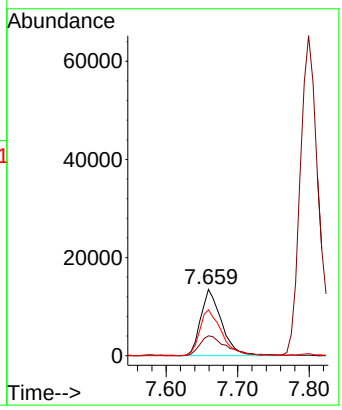
Tgt Ion: 88 Resp: 2747

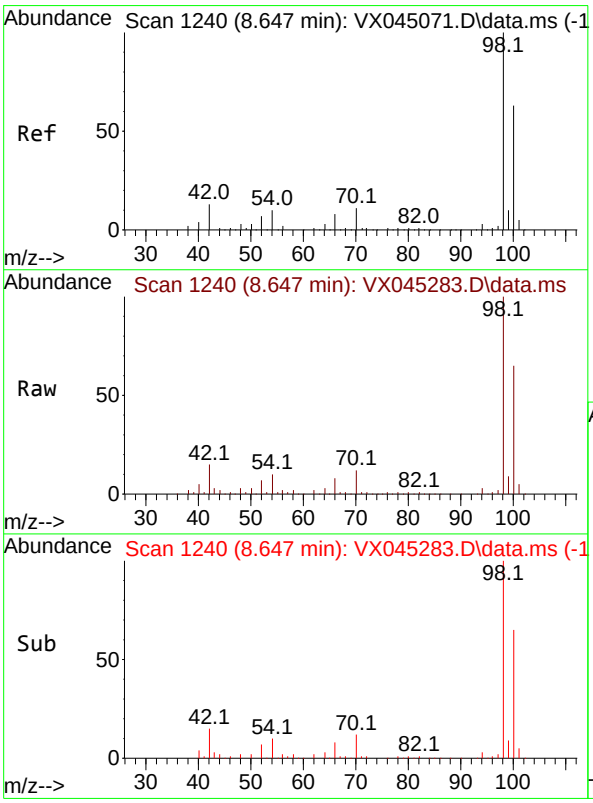
Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.7	43.1
58	73.4	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

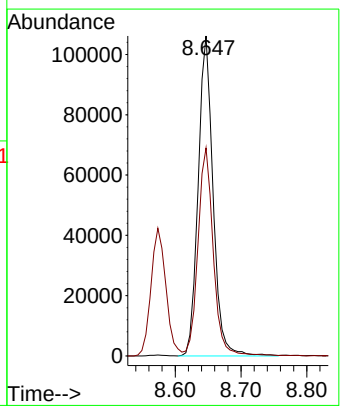


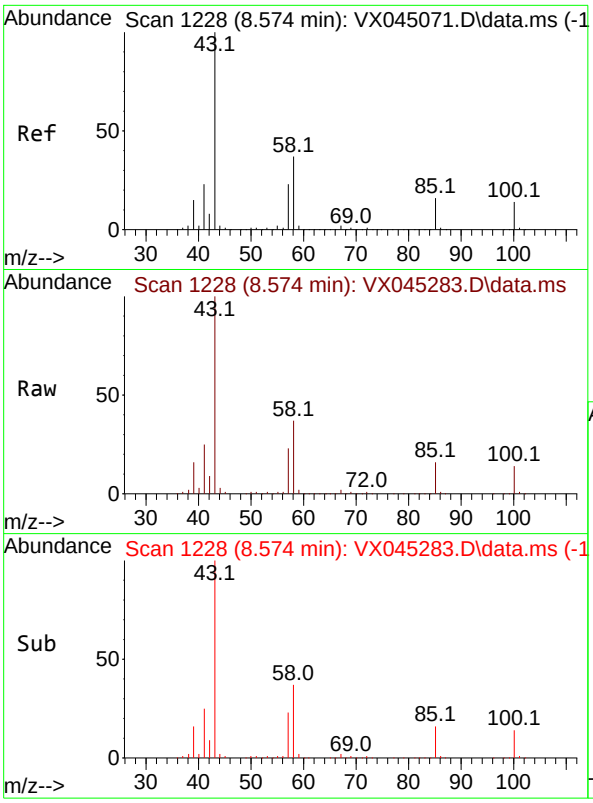


#50
Toluene-d8
Concen: 48.895 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 98 Resp: 167073

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0

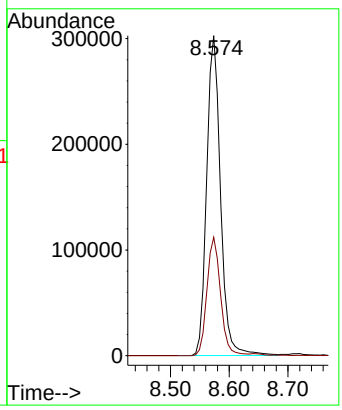




#51
4-Methyl-2-Pentanone
Concen: 300.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 49675

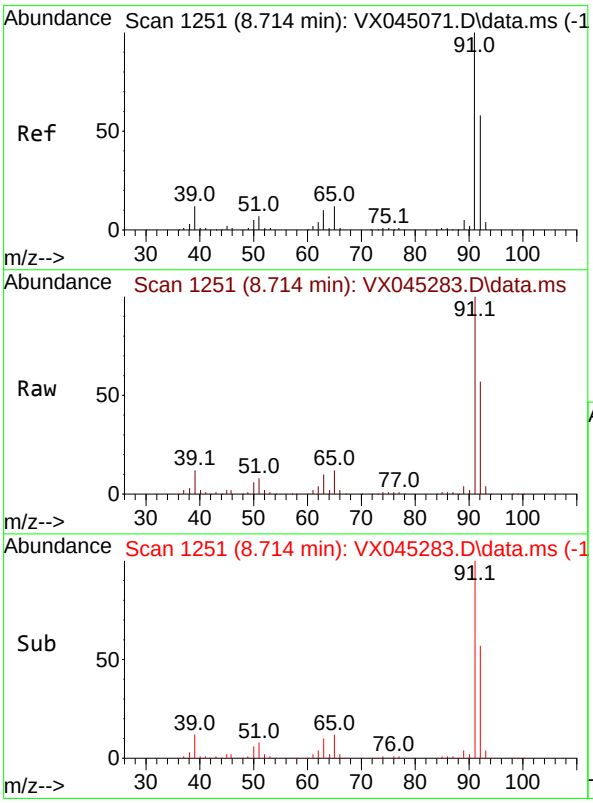
Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

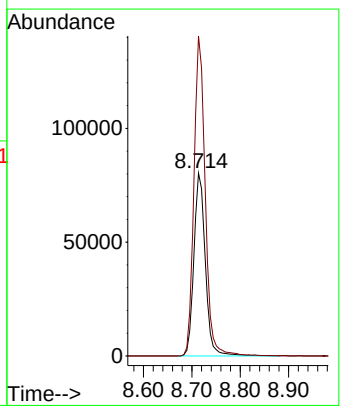
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

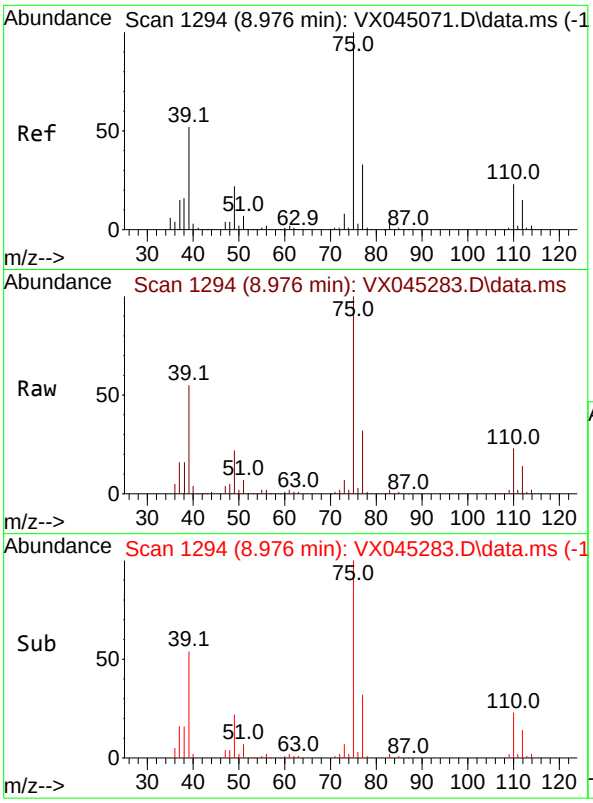


#52
Toluene
Concen: 55.022 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 92 Resp: 131767

Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.9	208.3

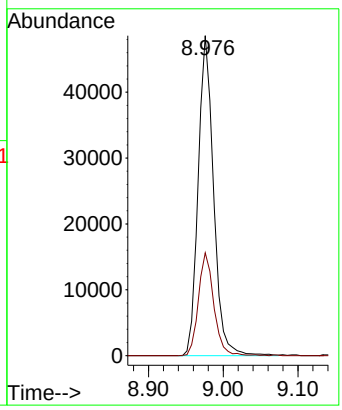




#53
t-1,3-Dichloropropene
Concen: 57.163 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 6953

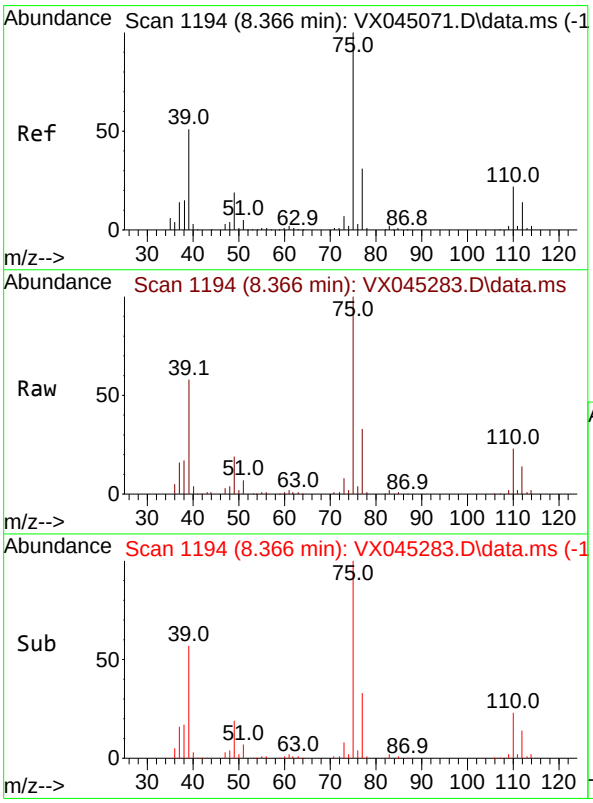
Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

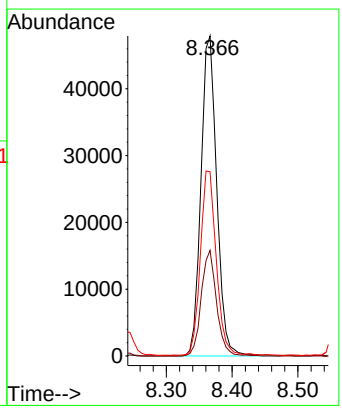
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

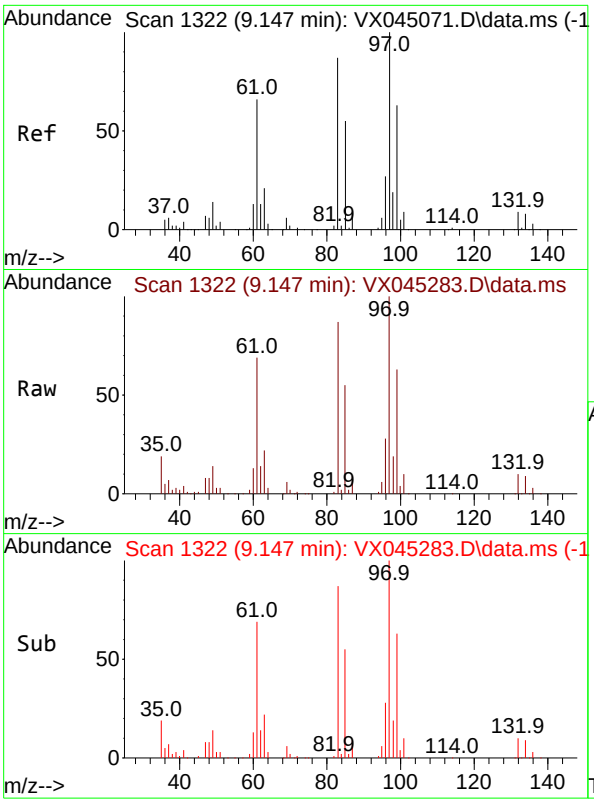


#54
cis-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 79901

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.7	37.1
39	57.4	40.7	61.1

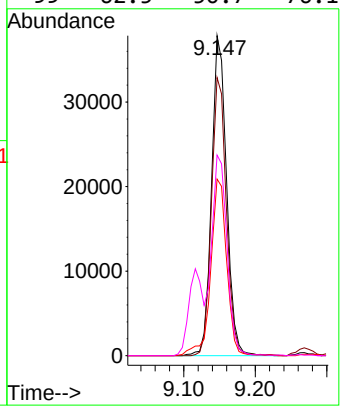




#55
1,1,2-Trichloroethane
Concen: 55.767 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 97 Resp: 5498

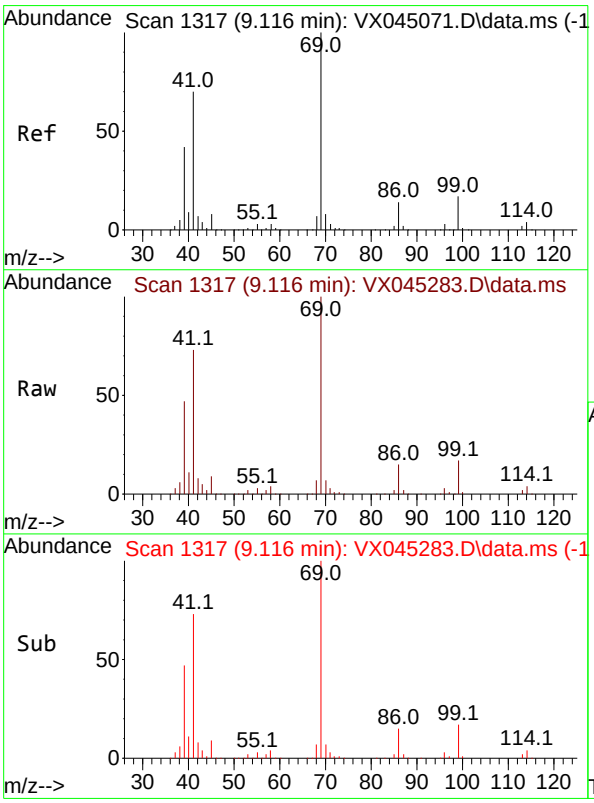
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.2
85	55.2	44.1	66.1
99	62.5	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

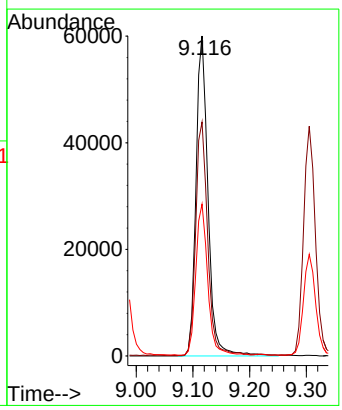
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

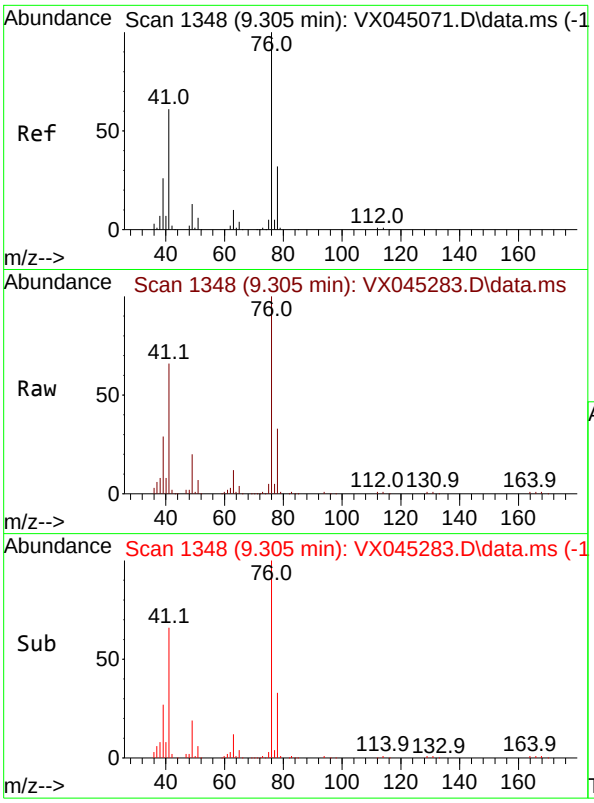


#56
Ethyl methacrylate
Concen: 58.887 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 69 Resp: 88248

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	46.9	34.2	51.4





#57
1,3-Dichloropropane
Concen: 55.938 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

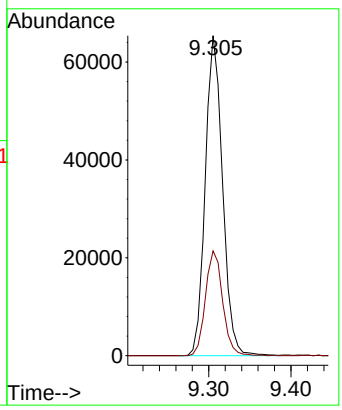
Tgt Ion: 76 Resp: 9543

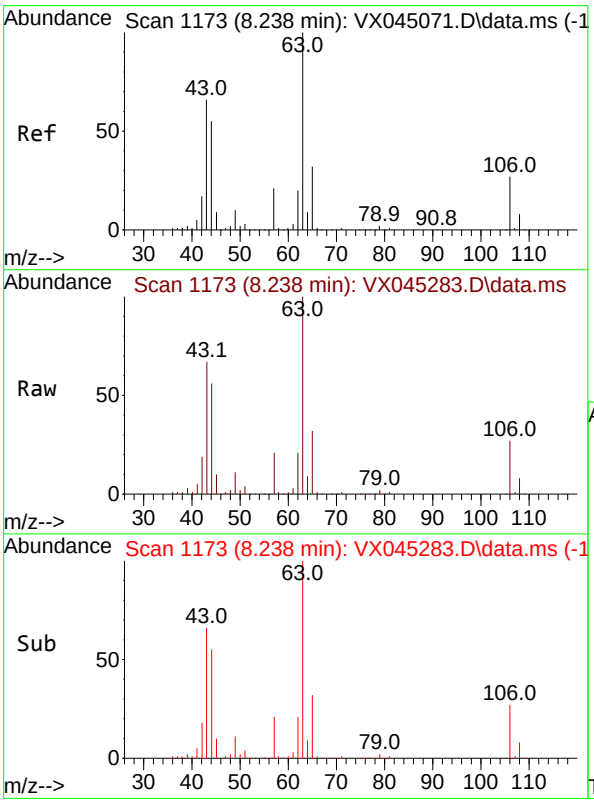
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

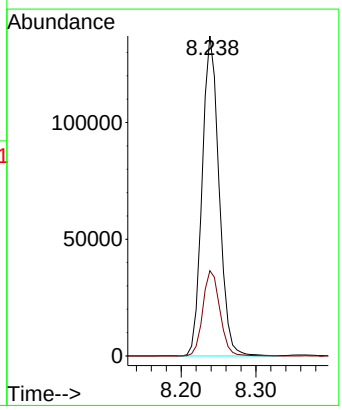


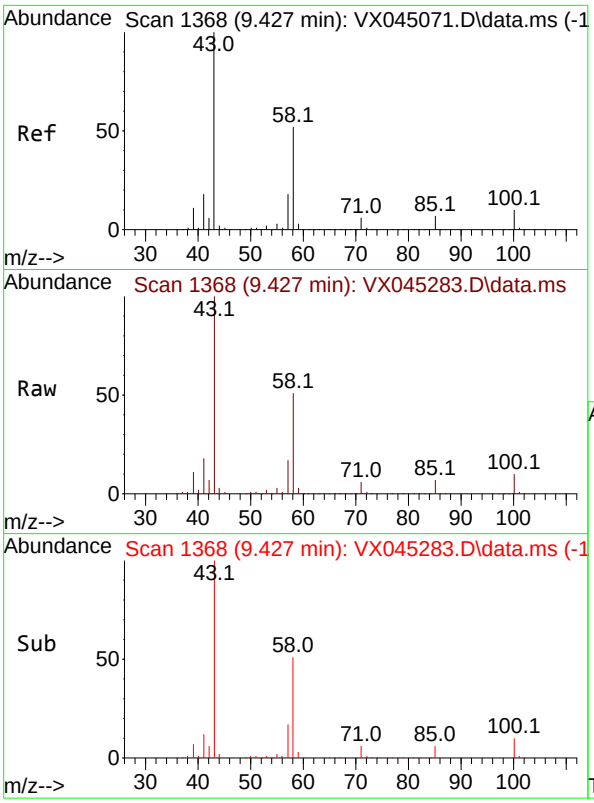


#58
2-Chloroethyl Vinyl ether
Concen: 294.162 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 63 Resp: 215042

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

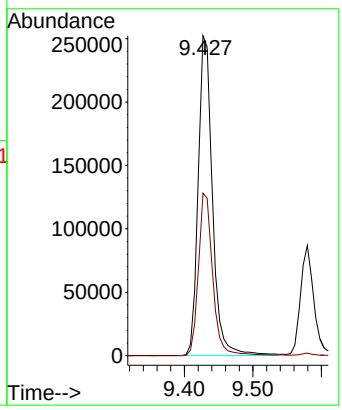




#59
2-Hexanone
Concen: 305.836 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 36644

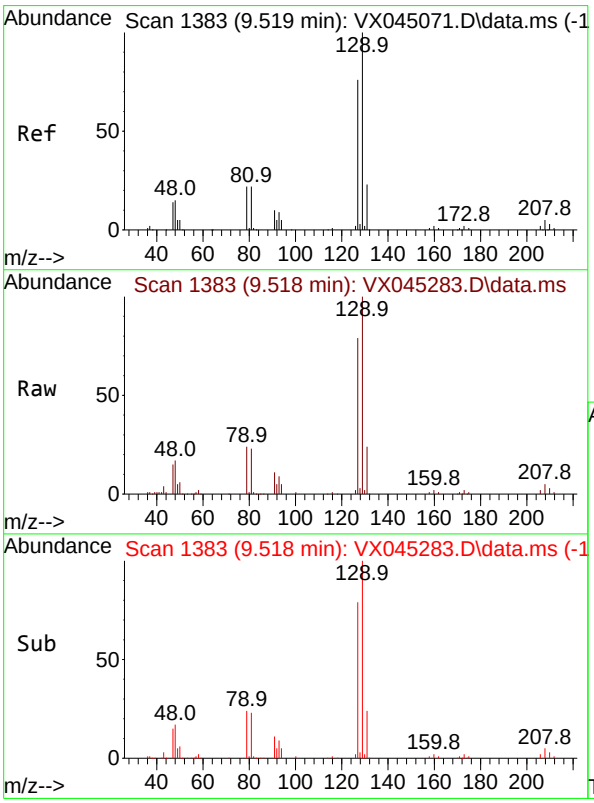
Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

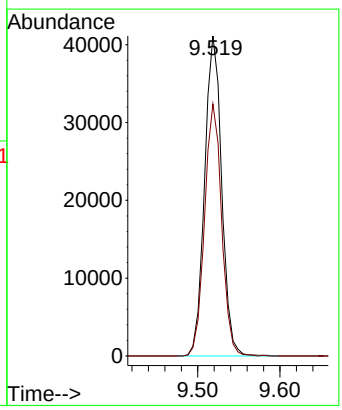
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

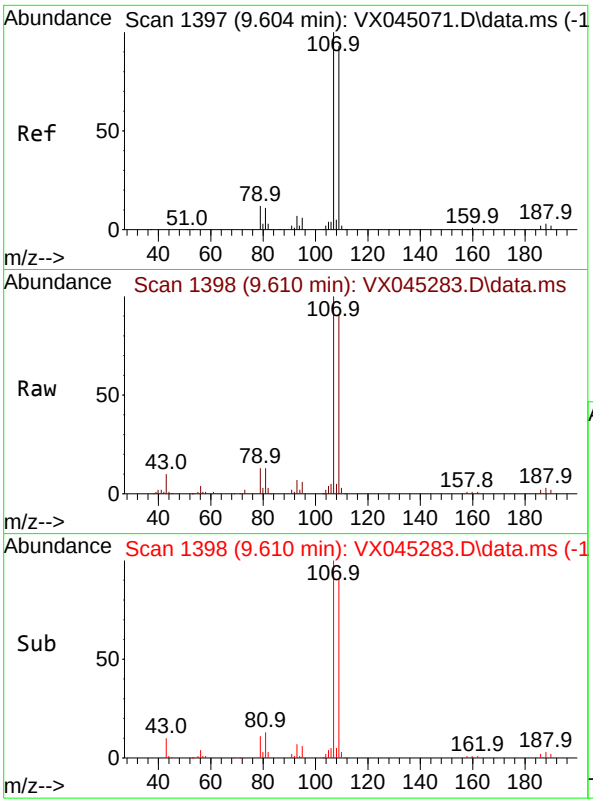


#60
Dibromochloromethane
Concen: 57.433 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:129 Resp: 59204

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.5	115.5

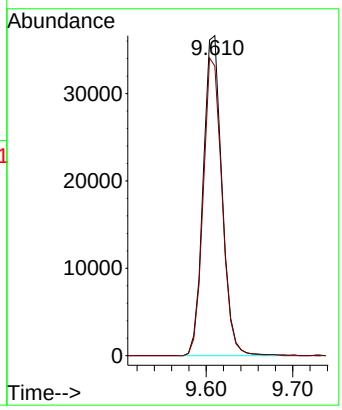




#61
1,2-Dibromoethane
Concen: 55.933 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:107 Resp: 5504

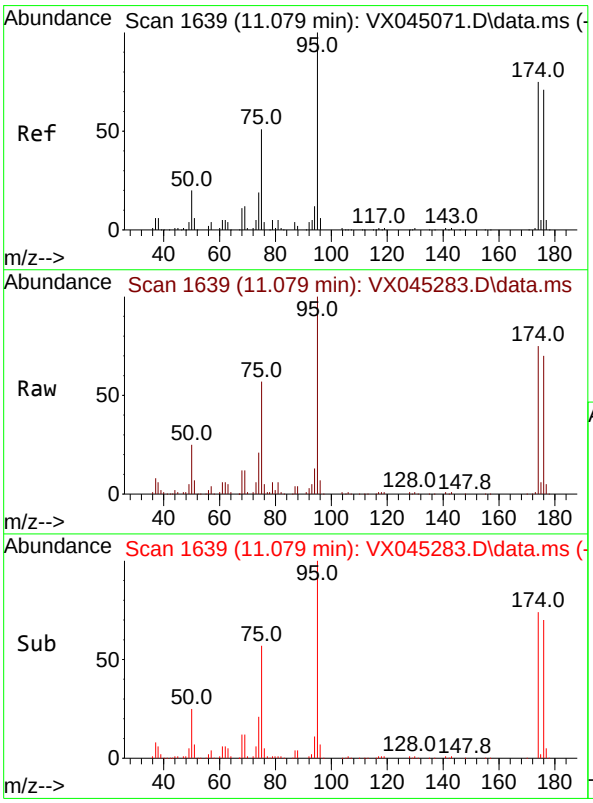
Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

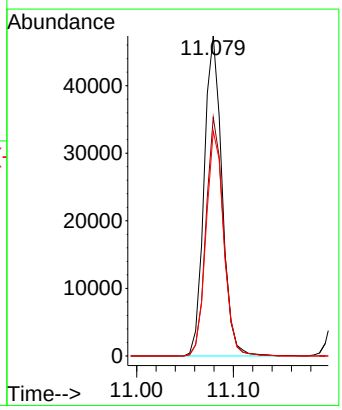
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

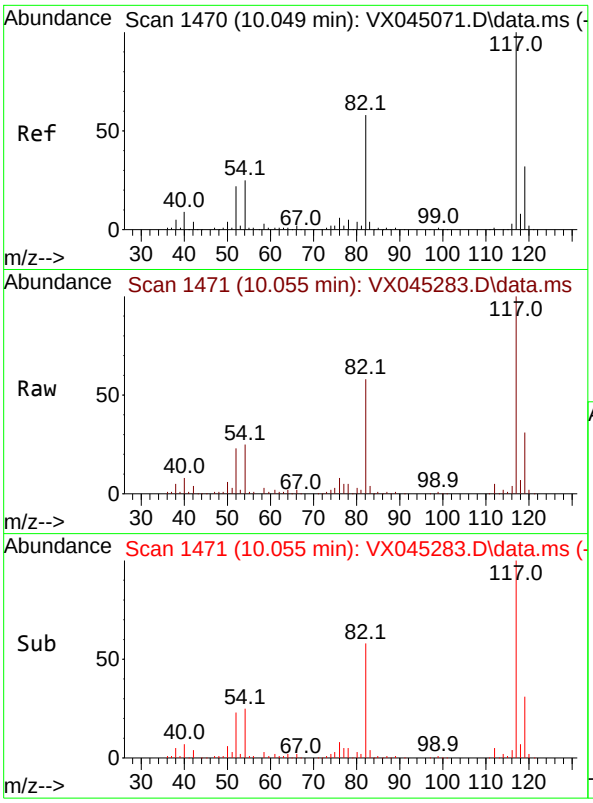


#62
4-Bromofluorobenzene
Concen: 53.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 95 Resp: 60679

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	69.9	0.0	141.4

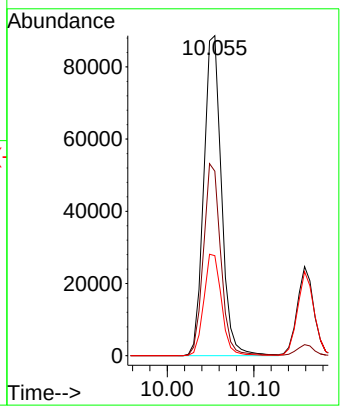




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:117 Resp: 12578

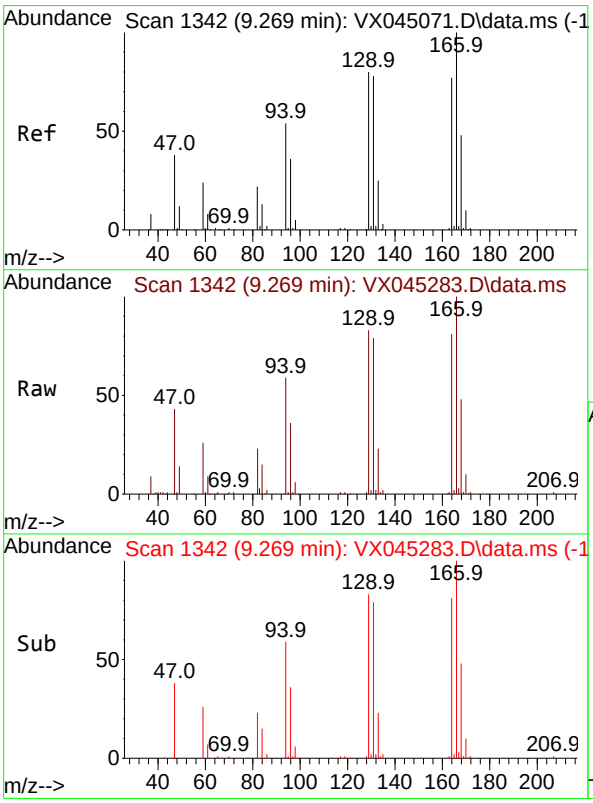
Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.3	69.5
119	31.2	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

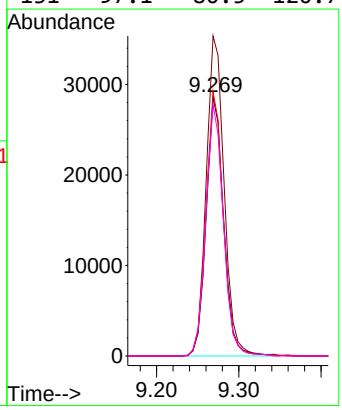
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

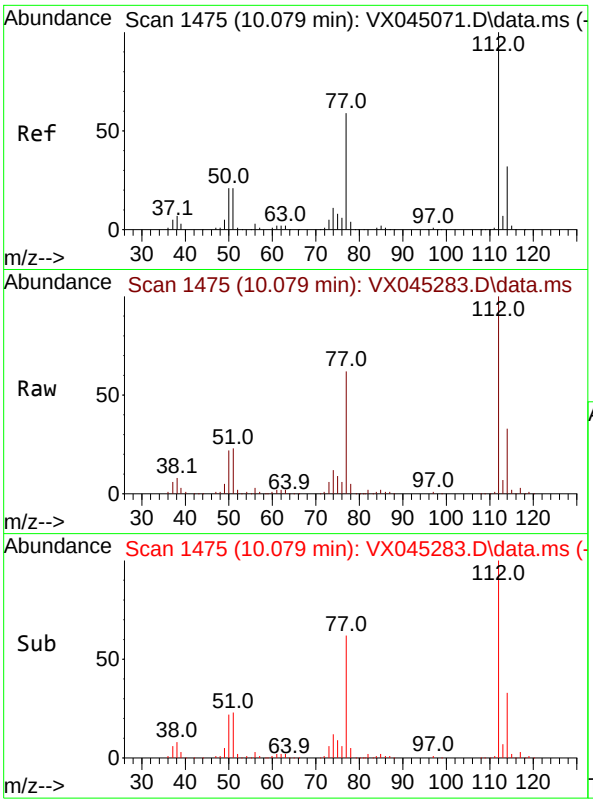


#64
Tetrachloroethene
Concen: 52.441 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:164 Resp: 42248

Ion	Ratio	Lower	Upper
164	100		
166	123.7	103.6	155.4
129	102.1	82.7	124.1
131	97.1	80.5	120.7

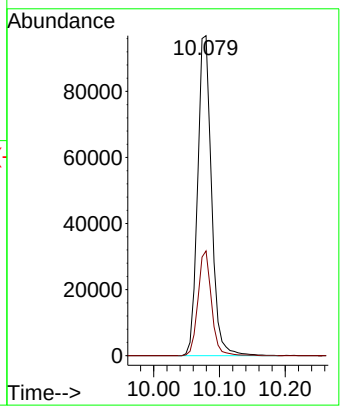




#65
Chlorobenzene
Concen: 53.491 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:112 Resp: 14237

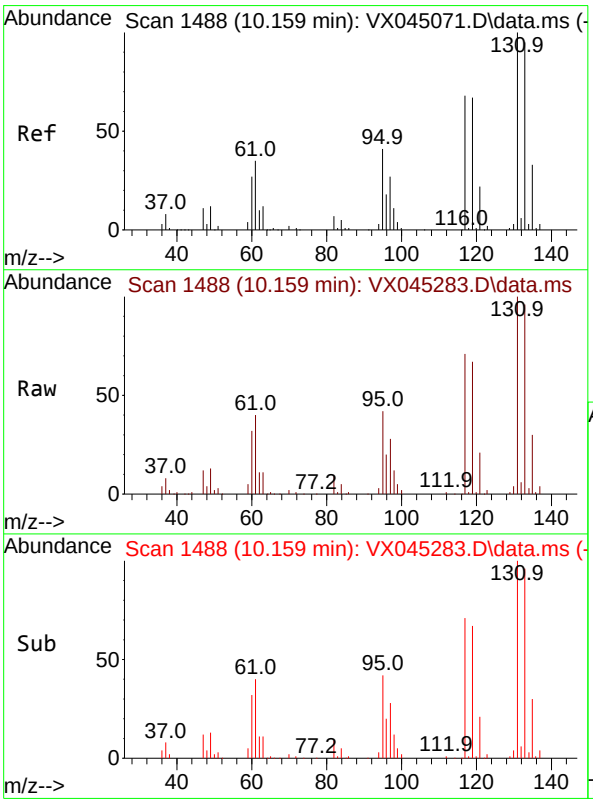
Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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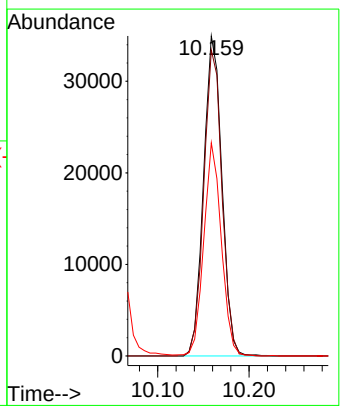
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

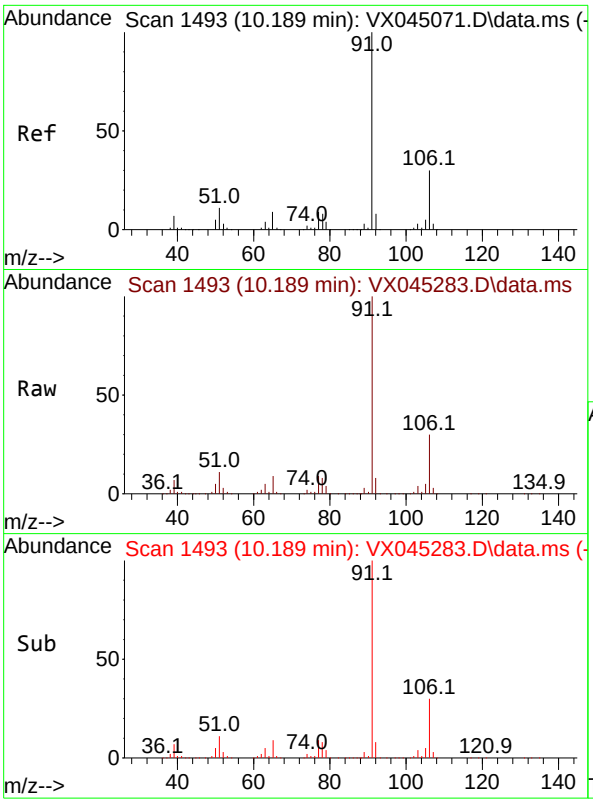


#66
1,1,1,2-Tetrachloroethane
Concen: 54.755 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:131 Resp: 48534

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.6	145.9
119	63.9	33.9	101.7





#67
Ethyl Benzene
Concen: 54.641 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

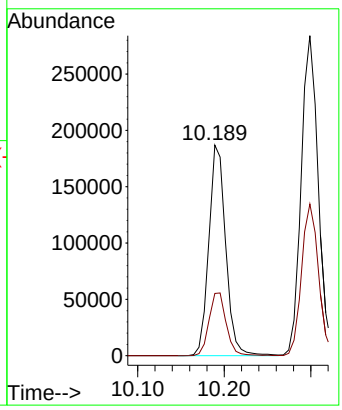
Tgt Ion: 91 Resp: 25341

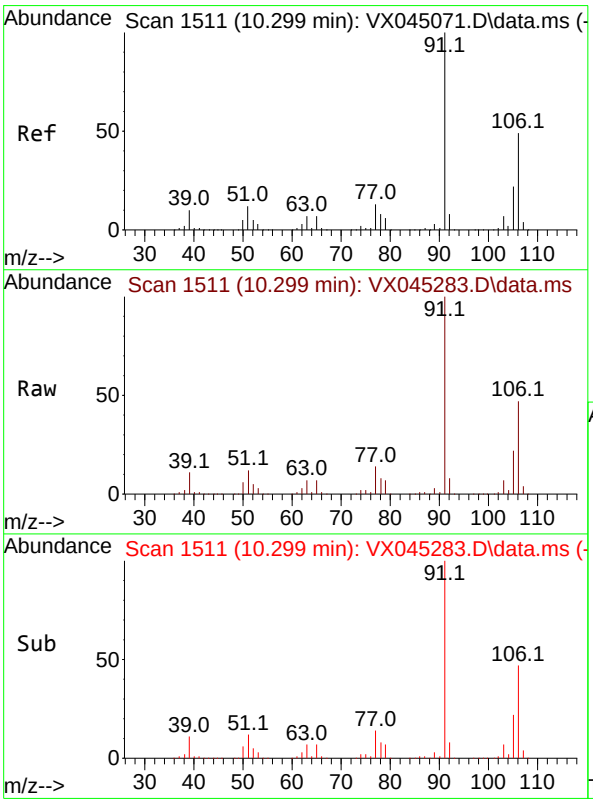
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

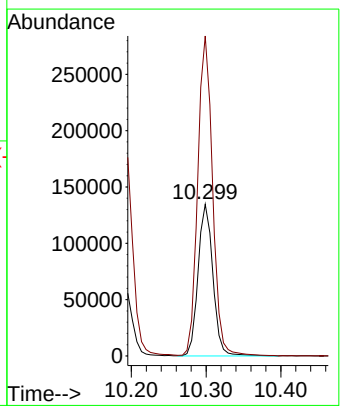


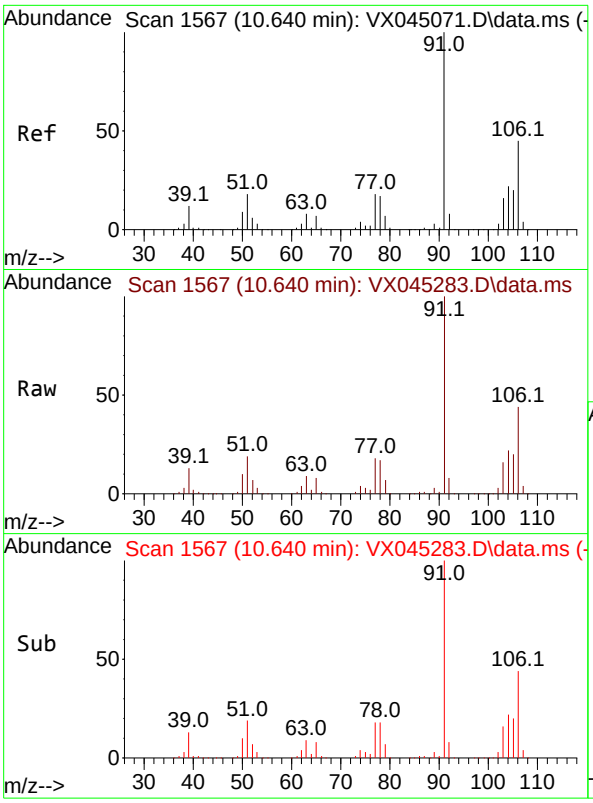


#68
m/p-Xylenes
Concen: 109.313 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:106 Resp: 185589

Ion	Ratio	Lower	Upper
106	100		
91	211.5	165.4	248.0

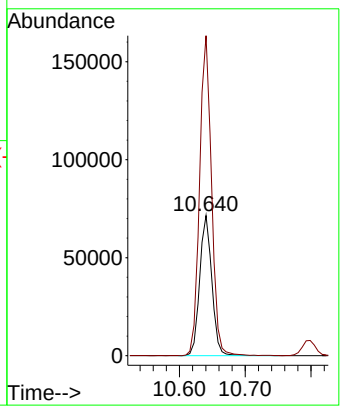




#69
o-Xylene
Concen: 53.595 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:106 Resp: 9177

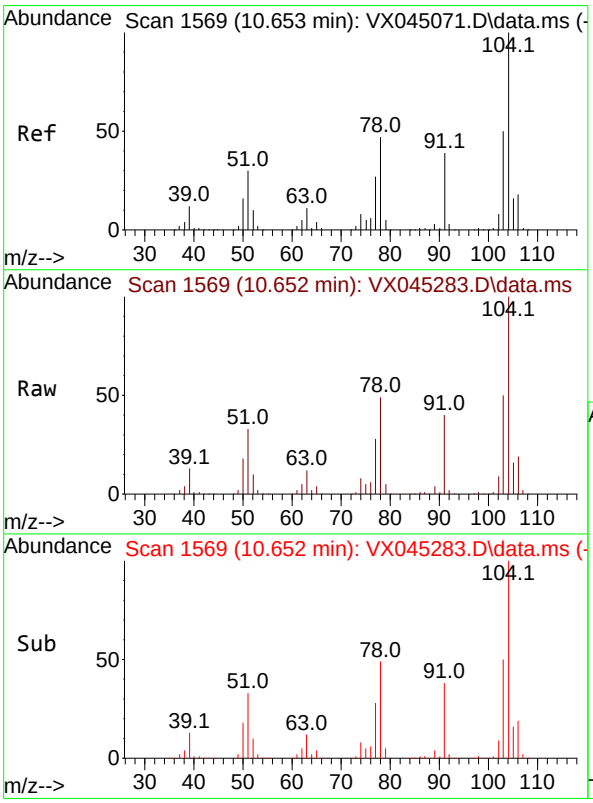
Ion	Ratio	Lower	Upper
106	100		
91	224.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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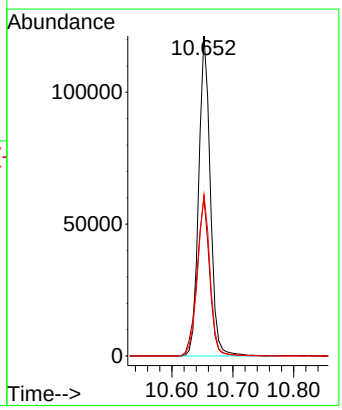
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

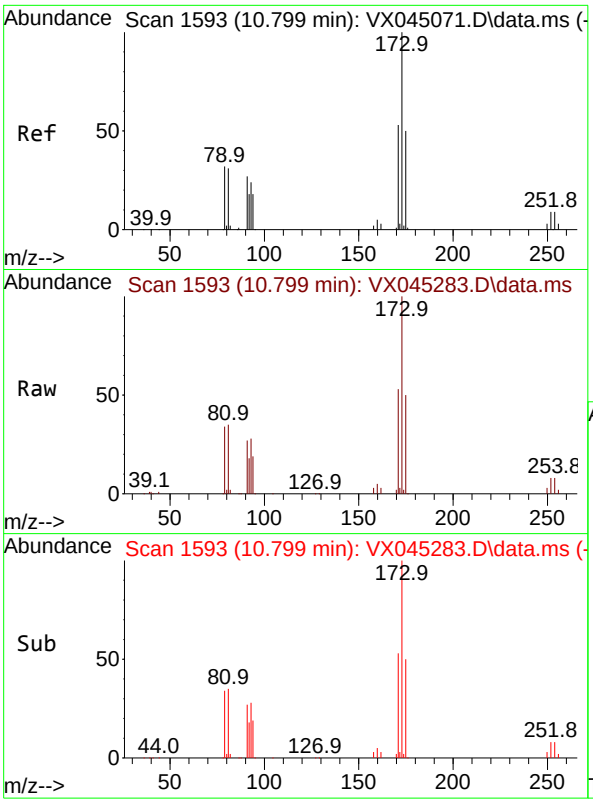


#70
Styrene
Concen: 57.742 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:104 Resp: 159983

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.4
103	54.3	43.8	65.8

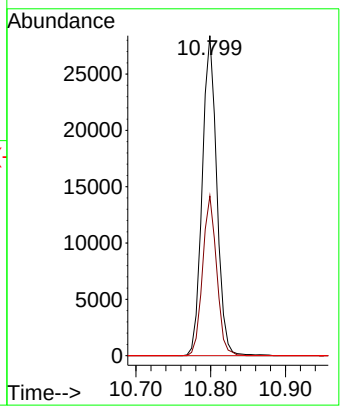




#71
Bromoform
Concen: 57.398 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

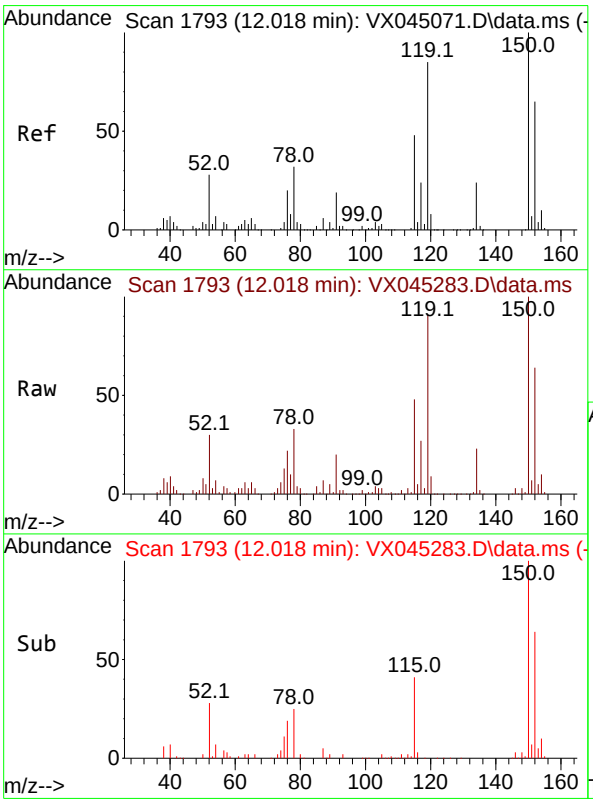
Tgt Ion:173 Resp: 3836

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

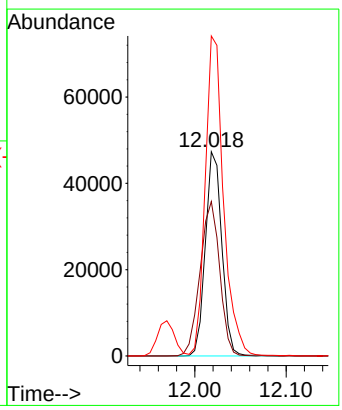
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

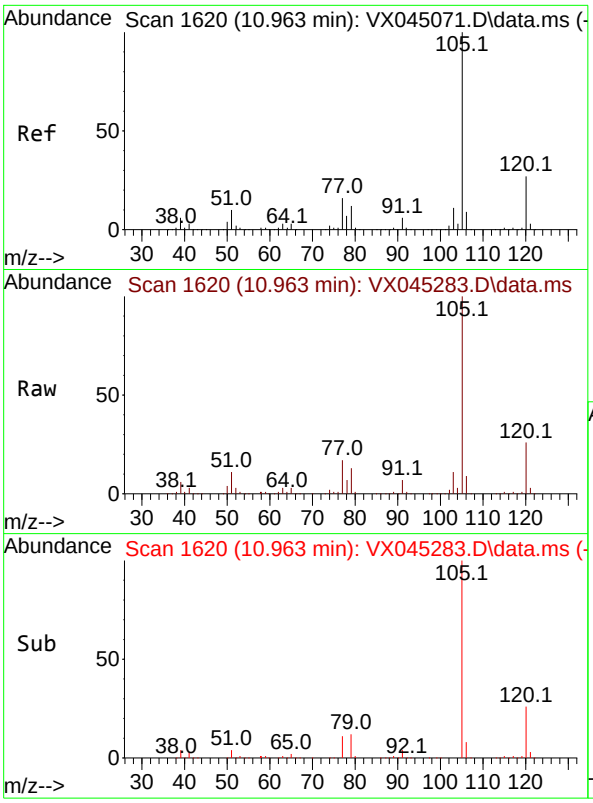


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:152 Resp: 59033

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	174.5	0.0	349.0

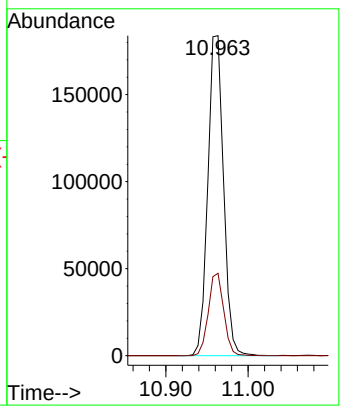




#73
Isopropylbenzene
Concen: 52.919 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:105 Resp: 24383

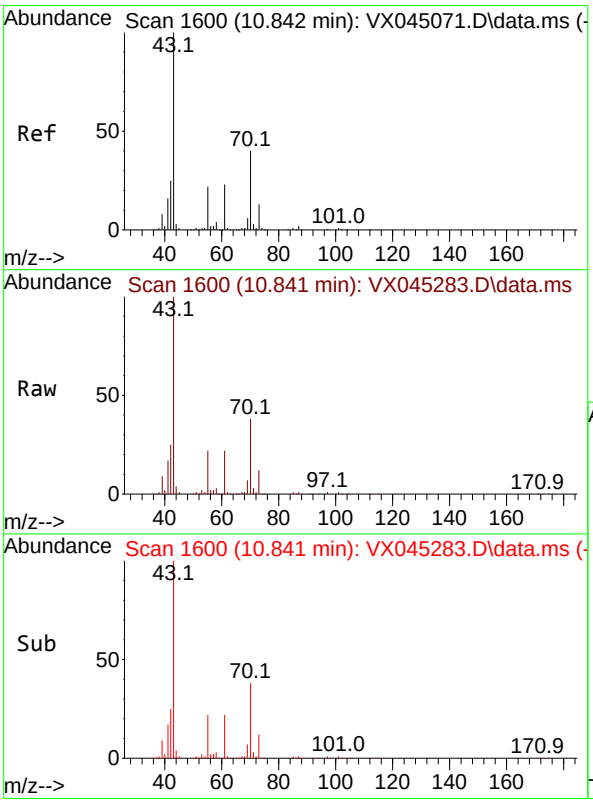
Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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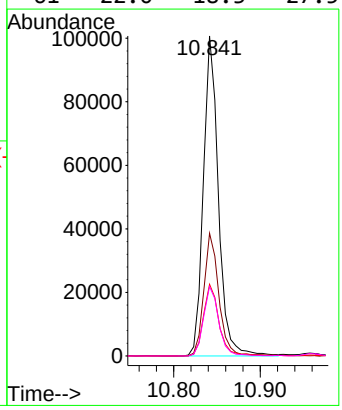
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

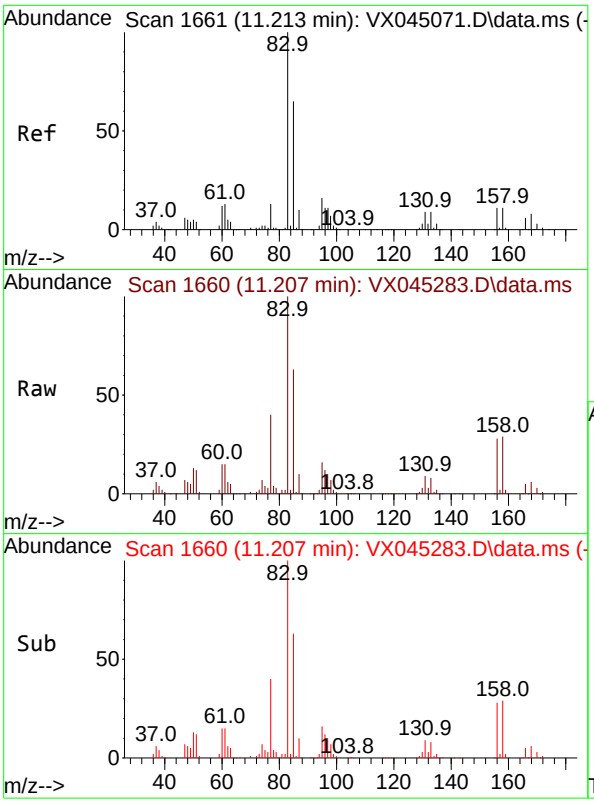


#74
N-amyl acetate
Concen: 56.183 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 121472

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	23.4	18.3	27.5
61	22.0	18.3	27.5

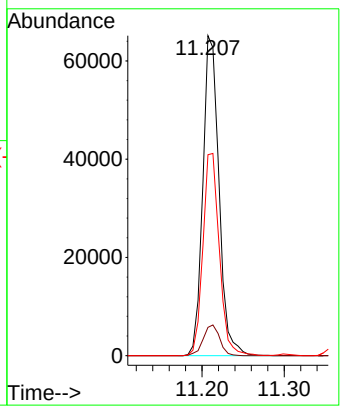




#75
1,1,2,2-Tetrachloroethane
Concen: 52.620 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 83 Resp: 8897

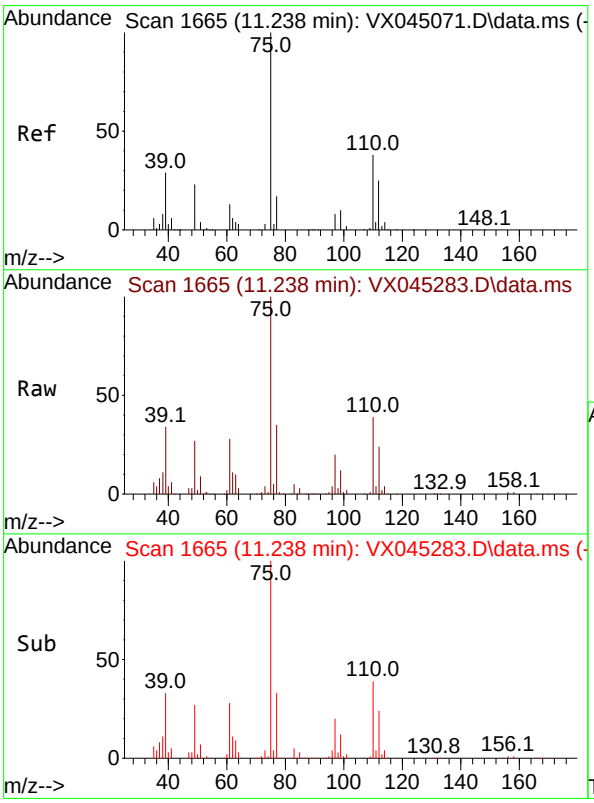
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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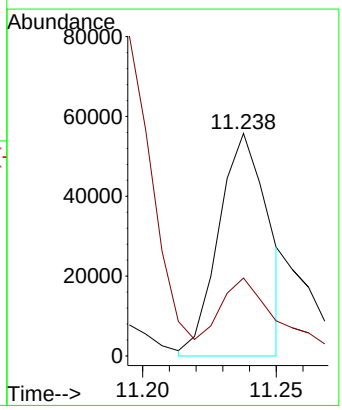
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

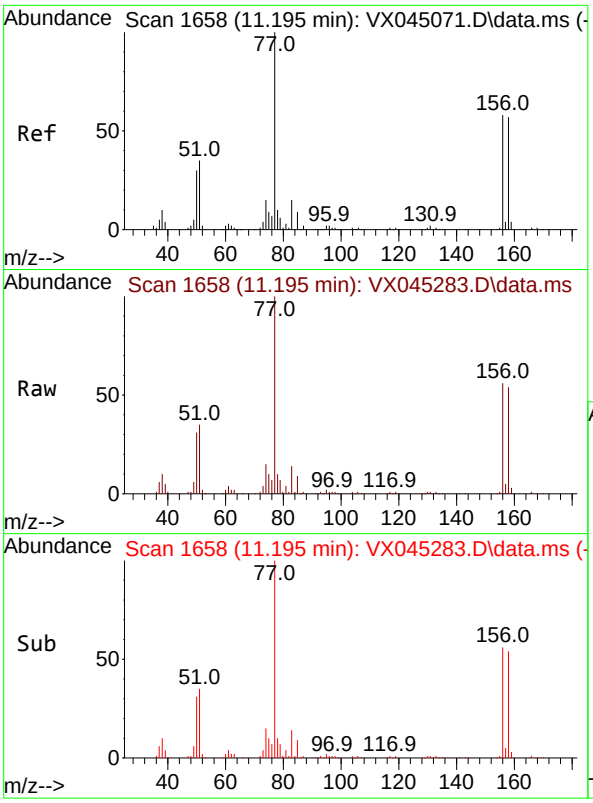


#76
1,2,3-Trichloropropane
Concen: 52.160 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 71668

Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.7	62.1

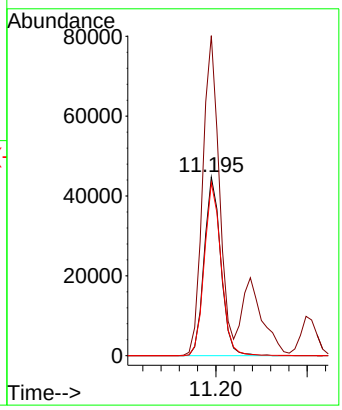




#77
Bromobenzene
Concen: 51.793 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:156 Resp: 5630

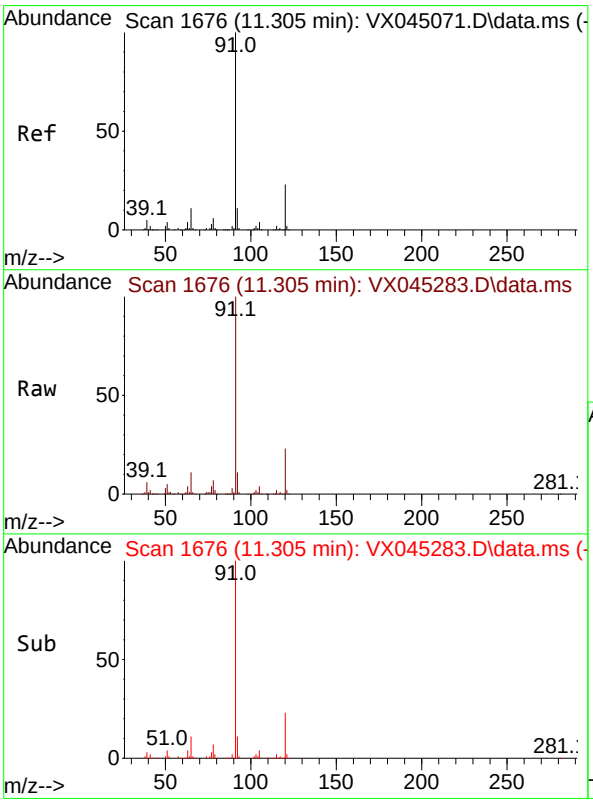
Ion	Ratio	Lower	Upper
156	100		
77	179.3	85.8	257.4
158	98.0	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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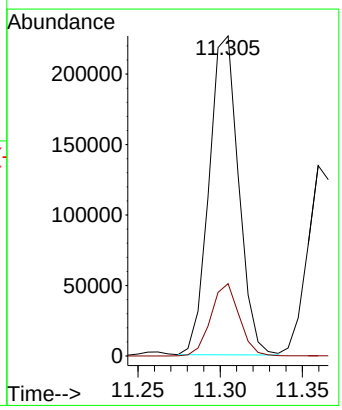
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

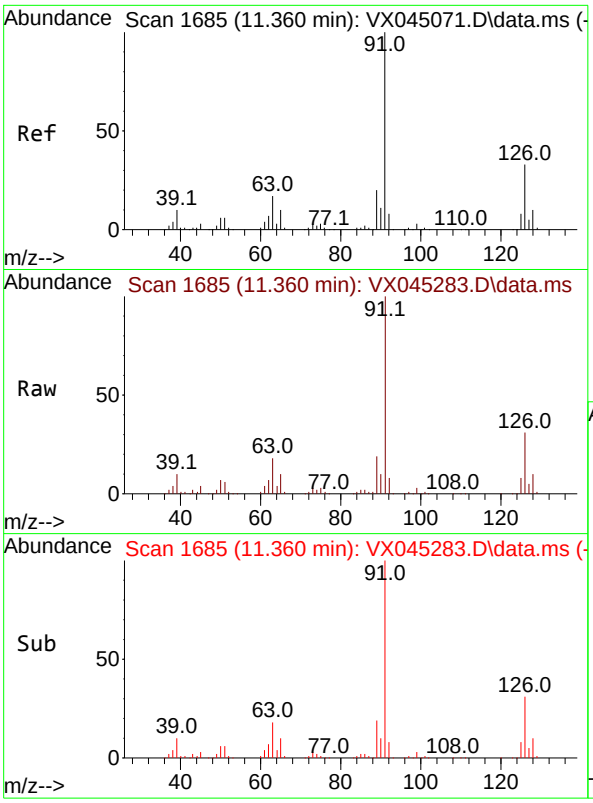


#78
n-propylbenzene
Concen: 54.443 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 91 Resp: 283376

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 52.021 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

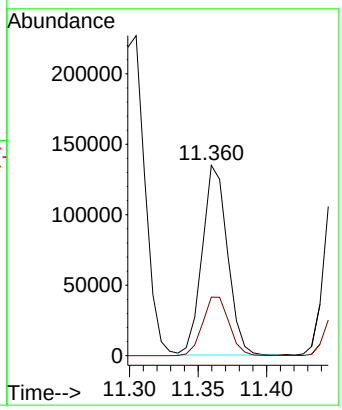
Tgt Ion: 91 Resp: 17244

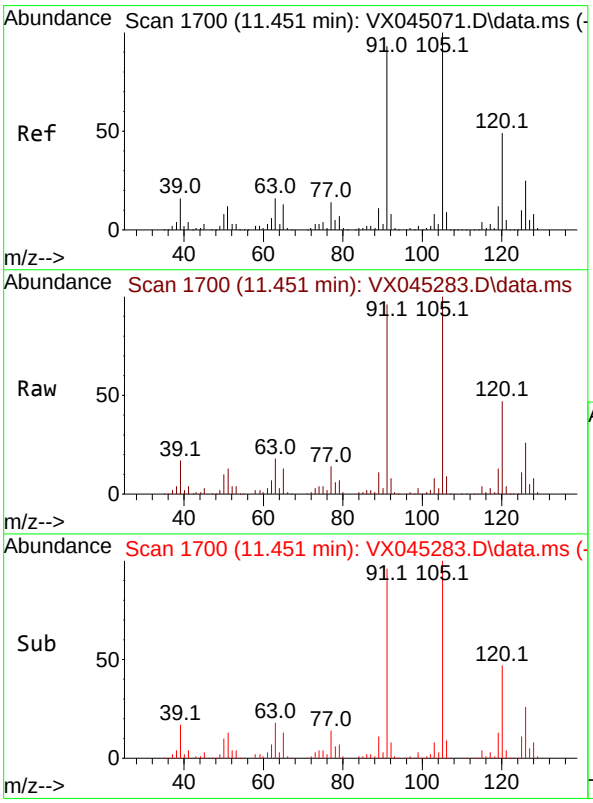
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

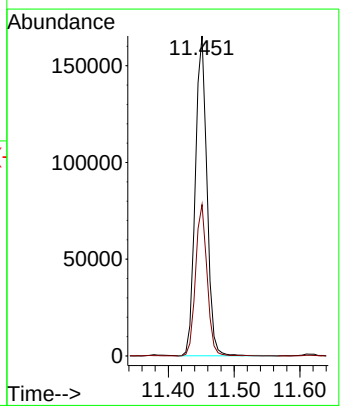


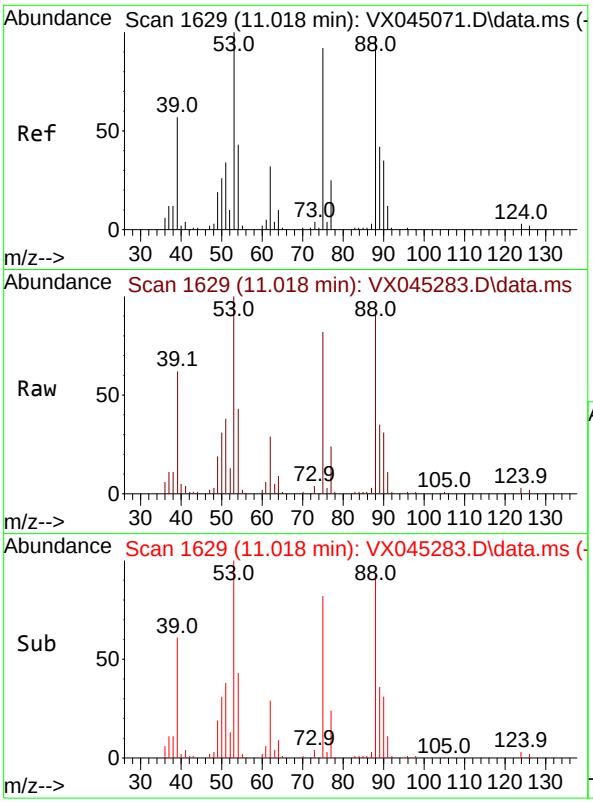


#80
1,3,5-Trimethylbenzene
Concen: 54.228 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:105 Resp: 202034

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 52.309 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

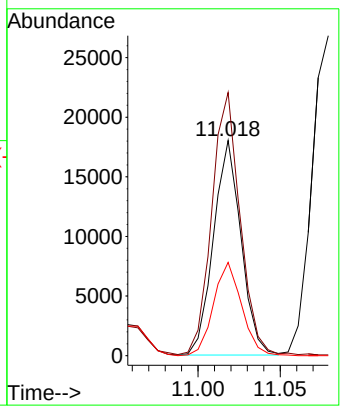
Tgt Ion: 75 Resp: 2100

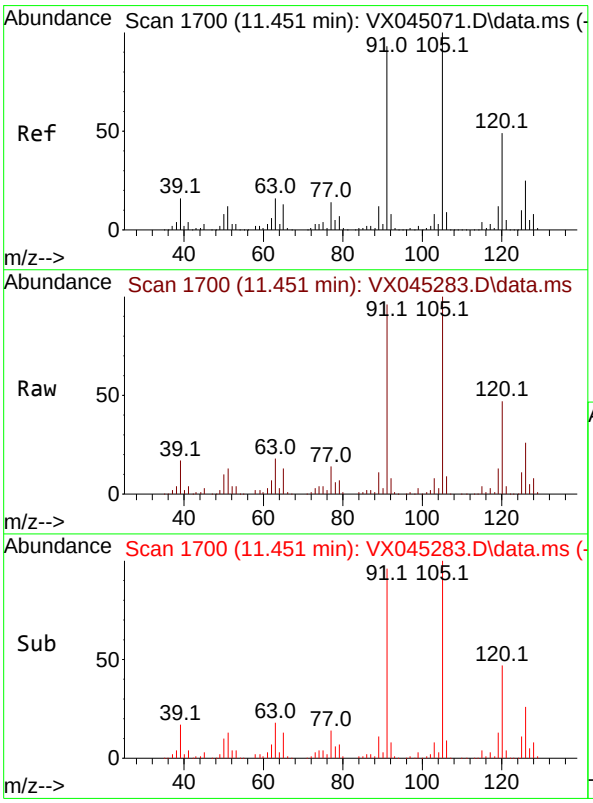
Ion	Ratio	Lower	Upper
75	100		
53	127.2	88.5	132.7
89	44.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

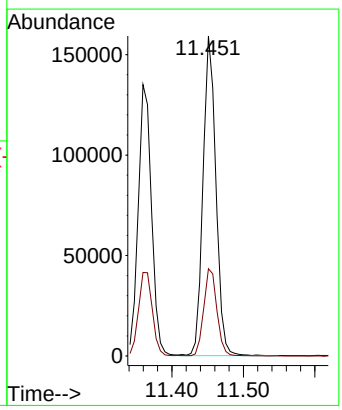


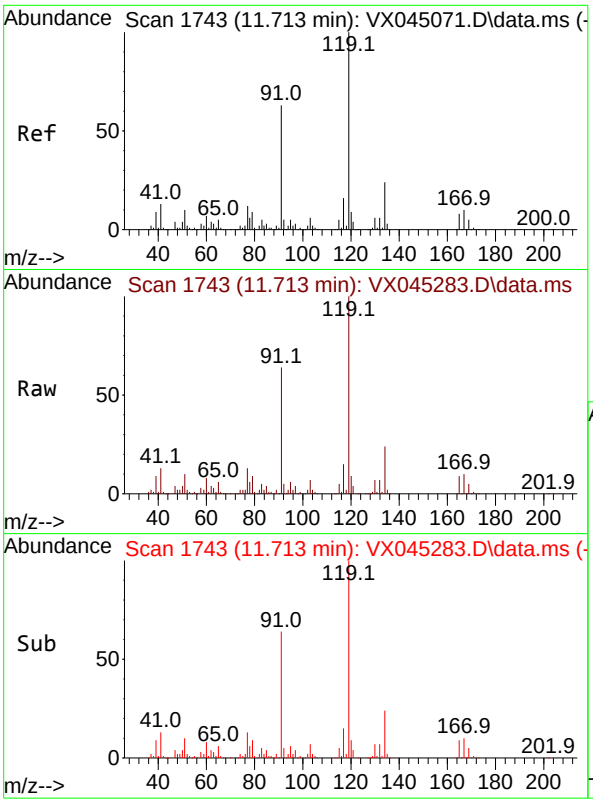


#82
4-Chlorotoluene
Concen: 55.244 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 91 Resp: 199582

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

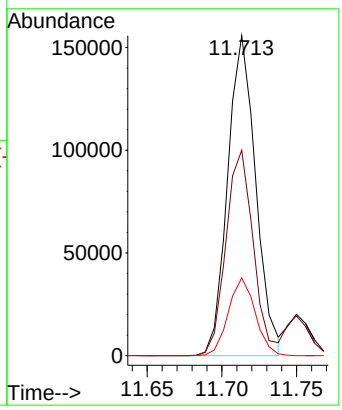




#83
tert-Butylbenzene
Concen: 53.130 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:119 Resp: 20338

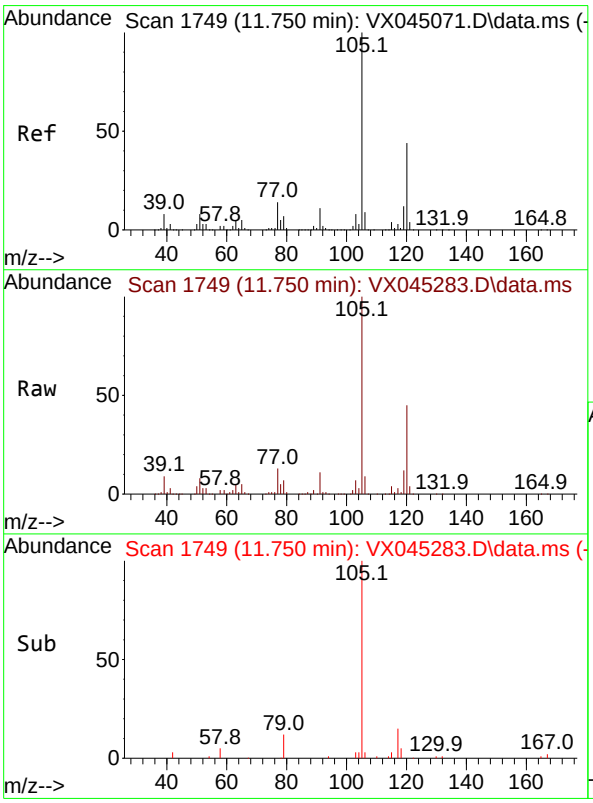
Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

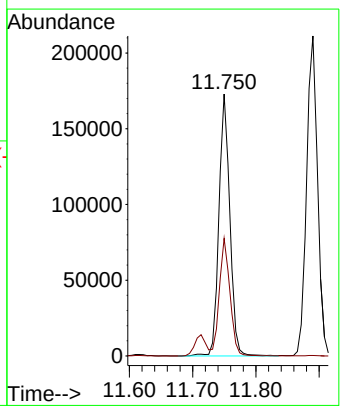
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

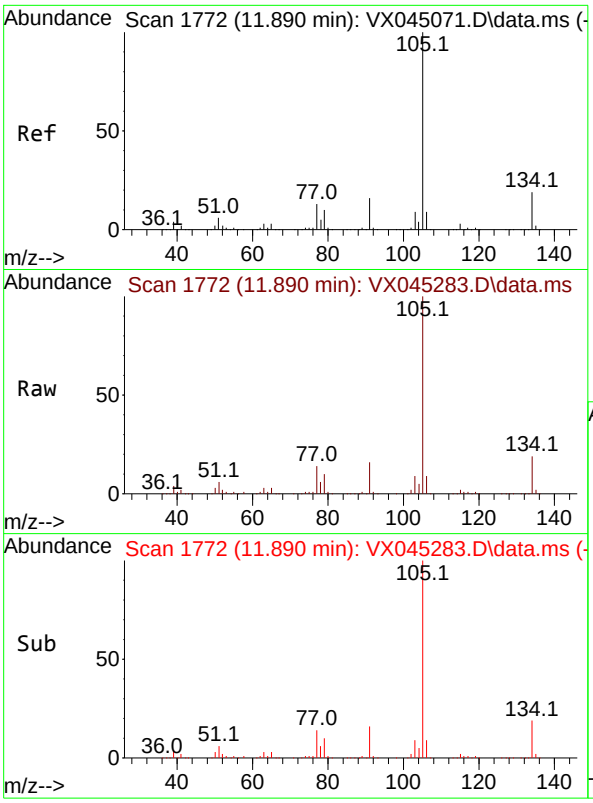


#84
1,2,4-Trimethylbenzene
Concen: 55.097 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:105 Resp: 206545

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 55.182 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

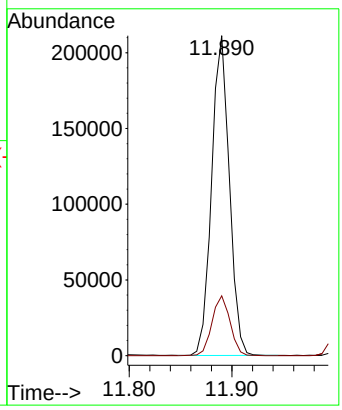
Tgt Ion:105 Resp: 25303

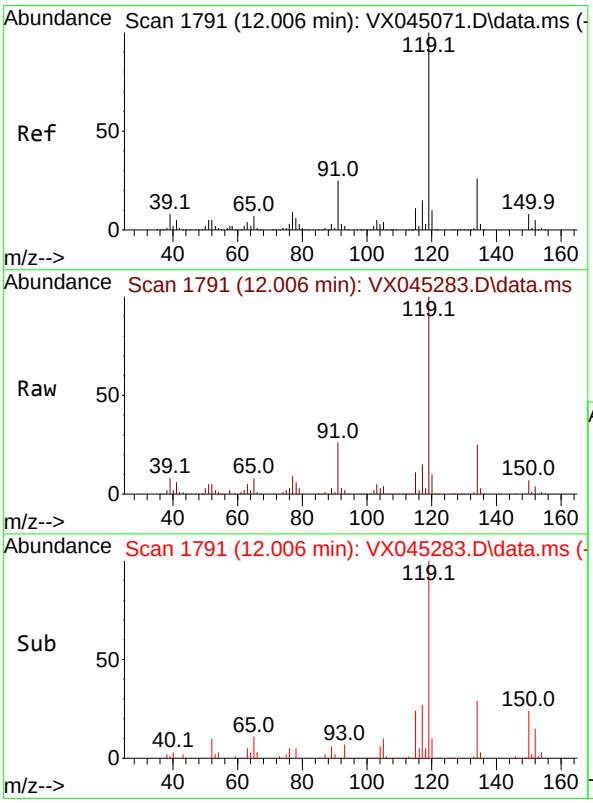
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

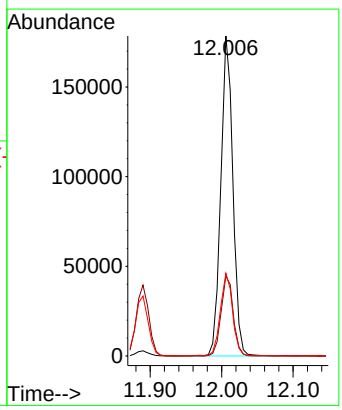


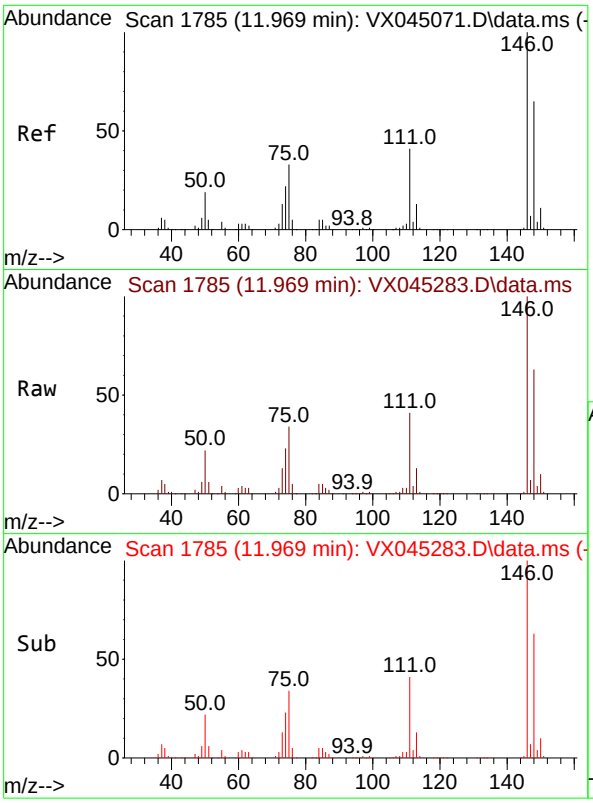


#86
p-Isopropyltoluene
Concen: 56.490 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:119 Resp: 209335

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	25.8	12.7	38.0

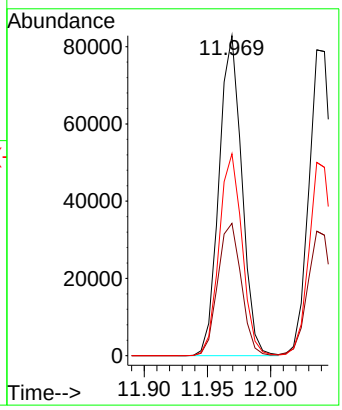




#87
1,3-Dichlorobenzene
Concen: 53.568 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:146 Resp: 10389

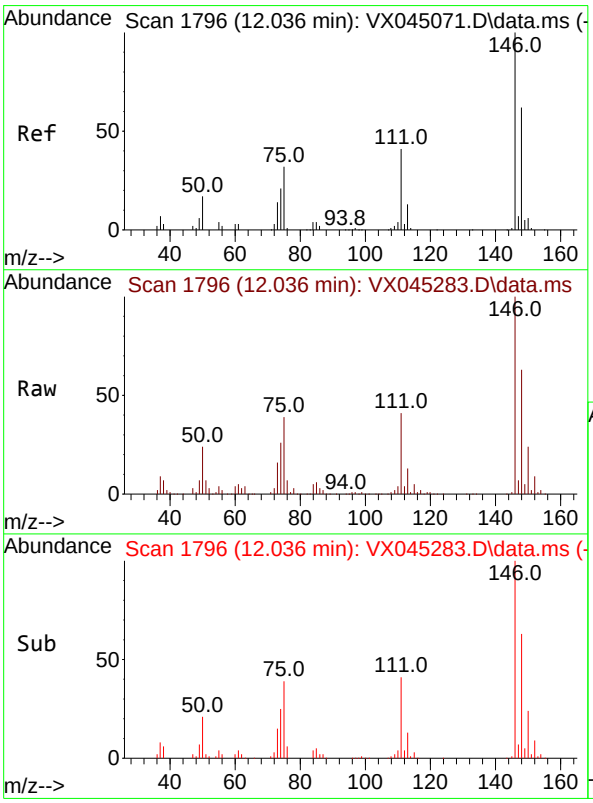
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

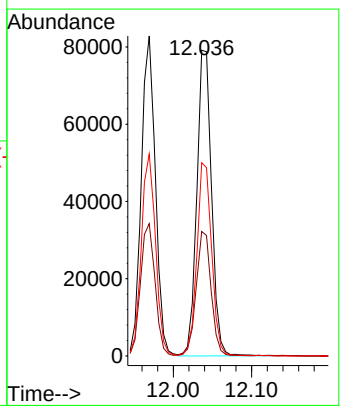
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

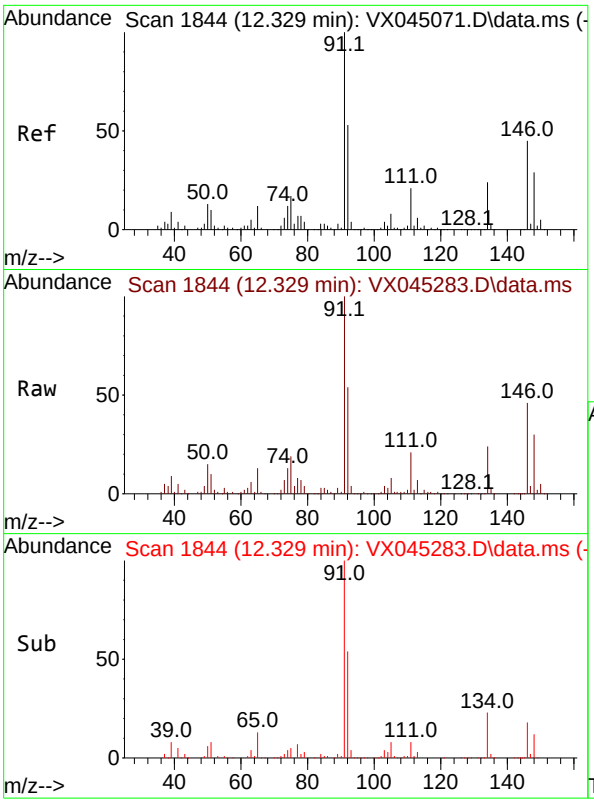


#88
1,4-Dichlorobenzene
Concen: 52.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:146 Resp: 103661

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.9	31.9	95.9

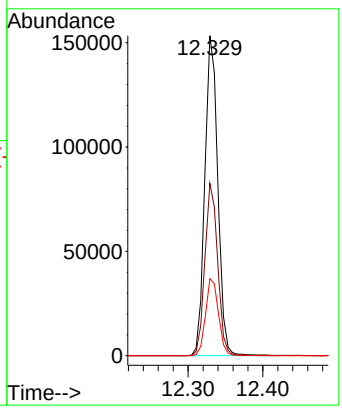




#89
n-Butylbenzene
Concen: 57.893 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 91 Resp: 18477

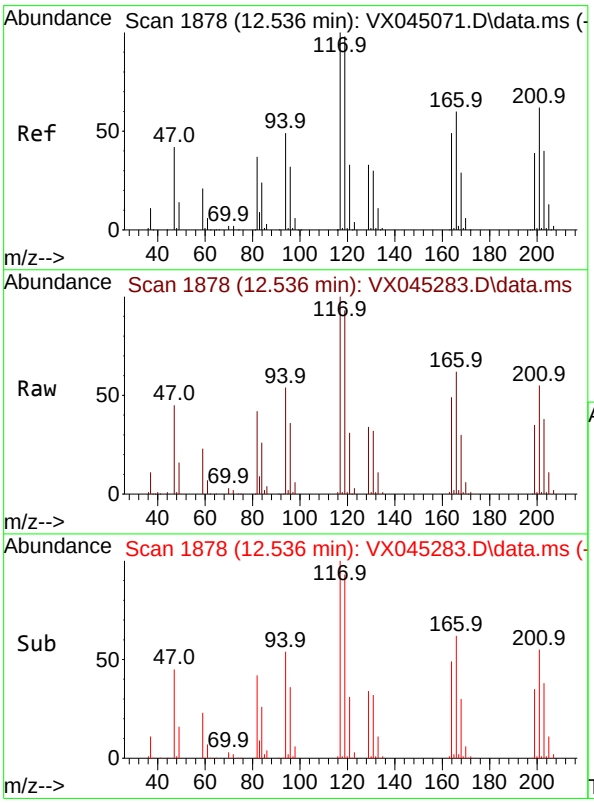
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.0	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

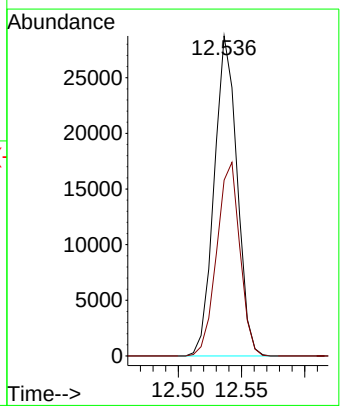
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

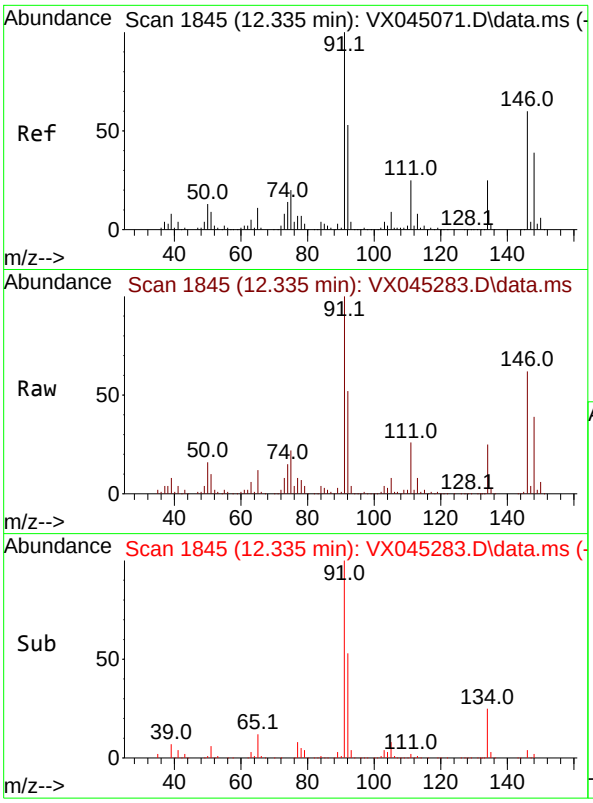


#90
Hexachloroethane
Concen: 53.899 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:117 Resp: 36127

Ion	Ratio	Lower	Upper
117	100		
201	61.3	31.9	95.9

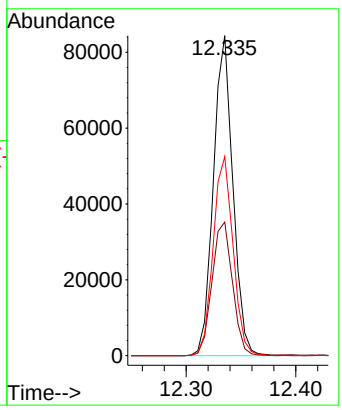




#91
1,2-Dichlorobenzene
Concen: 53.519 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:146 Resp: 10412

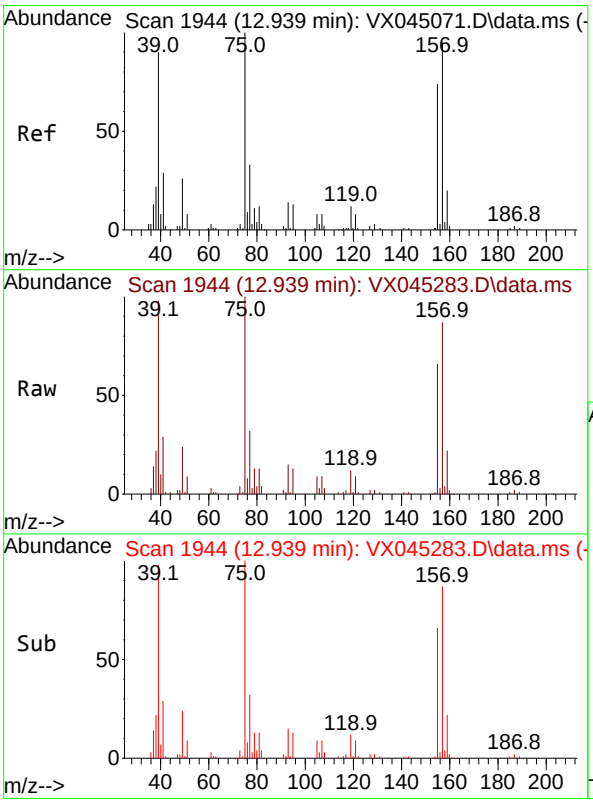
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	63.8	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

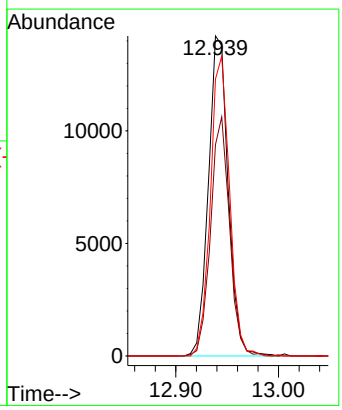
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

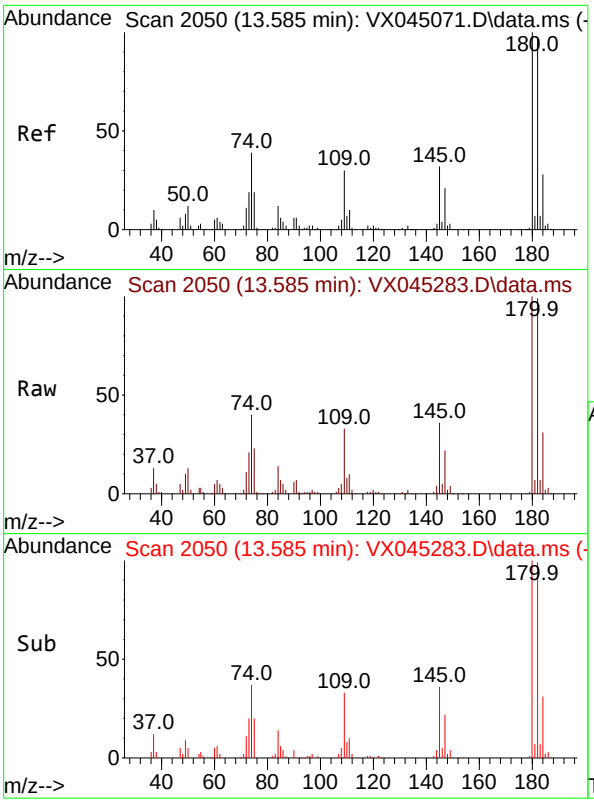


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.816 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 19045

Ion	Ratio	Lower	Upper
75	100		
155	71.3	39.6	118.7
157	90.3	51.1	153.4

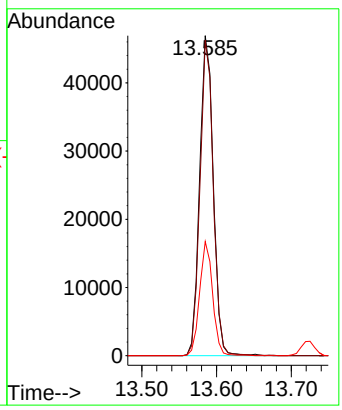




#93
1,2,4-Trichlorobenzene
Concen: 53.542 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:180 Resp: 5931

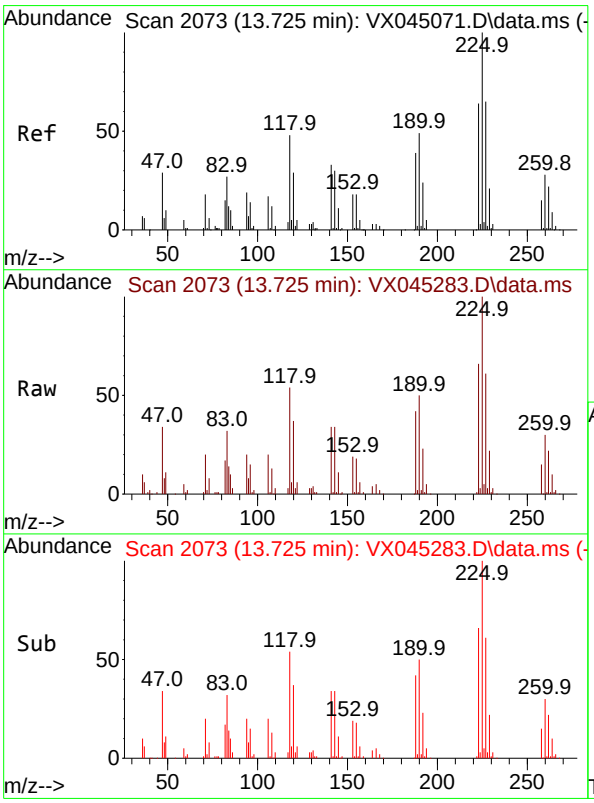
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	34.1	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

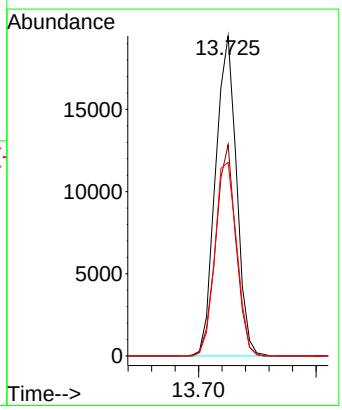
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

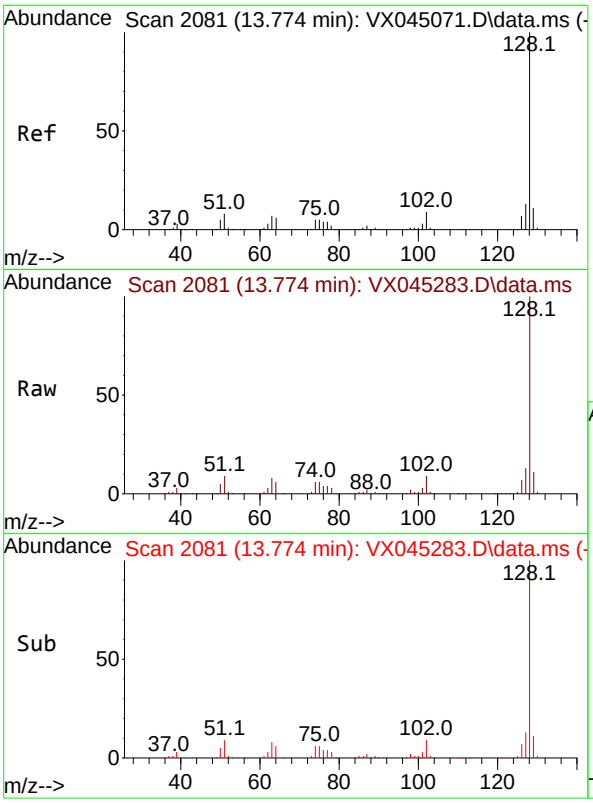


#94
Hexachlorobutadiene
Concen: 53.348 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:225 Resp: 24229

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	63.0	31.4	94.0

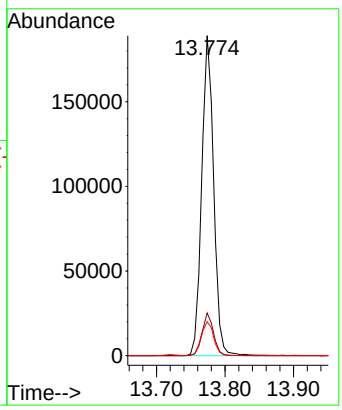




#95
Naphthalene
Concen: 53.962 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:128 Resp: 22967

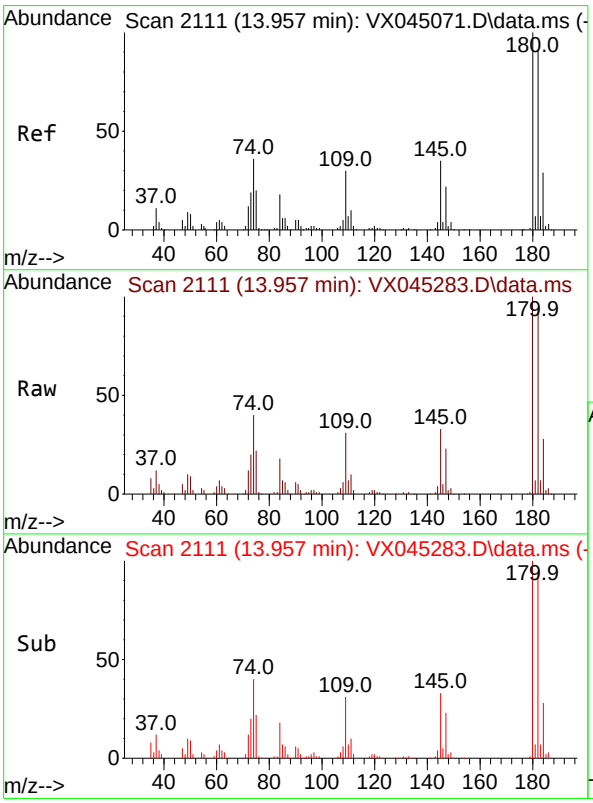
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

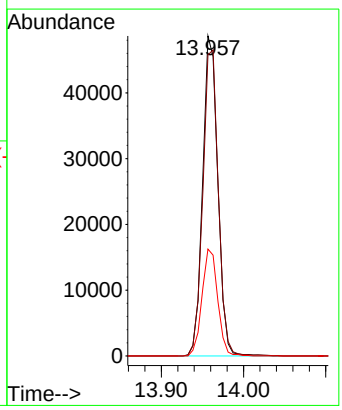
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.253 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:180 Resp: 62234

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	76	0.00
2	T	Dichlorodifluoromethane	0.629	0.644	-2.4	78	0.00
3	P	Chloromethane	0.770	0.807	-4.8	81	0.00
4	C	Vinyl Chloride	0.764	0.713	6.7#	71	0.00
5	T	Bromomethane	0.300	0.311	-3.7	81	0.00
6	T	Chloroethane	0.352	0.381	-8.2	78	0.00
7	T	Trichlorofluoromethane	1.011	1.033	-2.2	75	0.00
8	T	Diethyl Ether	0.396	0.381	3.8	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.652	-12.2	83	0.00
10	T	Methyl Iodide	0.726	0.834	-14.9	82	0.00
11	T	Tert butyl alcohol	0.151	0.132	12.6	75	0.00
12	CM	1,1-Dichloroethene	0.614	0.632	-2.9#	77	0.00
13	T	Acrolein	0.174	0.207	-19.0	90	0.00
14	T	Allyl chloride	1.094	1.205	-10.1	83	0.00
15	T	Acrylonitrile	0.404	0.446	-10.4	83	0.00
16	T	Acetone	0.369	0.395	-7.0	85	0.00
17	T	Carbon Disulfide	1.636	1.404	14.2	64	0.00
18	T	Methyl Acetate	0.888	1.143	-28.7#	100	0.00
19	T	Methyl tert-butyl Ether	2.061	2.221	-7.8	81	0.00
20	T	Methylene Chloride	0.731	0.767	-4.9	83	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.641	-5.6	77	0.00
22	T	Diisopropyl ether	2.224	2.435	-9.5	81	0.00
23	T	Vinyl Acetate	1.856	2.058	-10.9	79	0.00
24	P	1,1-Dichloroethane	1.247	1.345	-7.9	82	0.00
25	T	2-Butanone	0.555	0.624	-12.4	82	0.00
26	T	2,2-Dichloropropane	0.585	0.765	-30.8#	97	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.798	-6.5	80	0.00
28	T	Bromochloromethane	0.594	0.609	-2.5	77	0.00
29	T	Tetrahydrofuran	0.373	0.397	-6.4	81	0.00
30	C	Chloroform	1.239	1.371	-10.7#	84	0.00
31	T	Cyclohexane	1.082	1.090	-0.7	75	0.00
32	T	1,1,1-Trichloroethane	1.000	1.092	-9.2	81	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.832	-4.7	83	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.334	0.343	-2.7	79	0.00
36	T	1,1-Dichloropropene	0.459	0.490	-6.8	79	0.00
37	T	Ethyl Acetate	0.591	0.630	-6.6	79	0.00
38	T	Carbon Tetrachloride	0.465	0.498	-7.1	81	0.00
39	T	Methylcyclohexane	0.549	0.582	-6.0	75	0.00
40	TM	Benzene	1.448	1.554	-7.3	79	0.00
41	T	Methacrylonitrile	0.319	0.383	-20.1	85	0.00
42	TM	1,2-Dichloroethane	0.521	0.601	-15.4	86	0.00
43	T	Isopropyl Acetate	0.874	0.982	-12.4	80	0.00
44	TM	Trichloroethene	0.340	0.357	-5.0	79	0.00
45	C	1,2-Dichloropropane	0.372	0.397	-6.7#	81	0.00
46	T	Dibromomethane	0.263	0.297	-12.9	84	0.00
47	T	Bromodichloromethane	0.516	0.590	-14.3	85	0.00
48	T	Methyl methacrylate	0.438	0.511	-16.7	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.010	-11.1	78	0.00
50	S	Toluene-d8	1.212	1.185	2.2	74	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.705	-20.1	87	0.00
52	CM	Toluene	0.849	0.935	-10.1#	79	0.00
53	T	t-1,3-Dichloropropene	0.431	0.493	-14.4	80	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.567	-12.7	80	0.00
55	T	1,1,2-Trichloroethane	0.350	0.390	-11.4	83	0.00
56	T	Ethyl methacrylate	0.532	0.626	-17.7	83	0.00
57	T	1,3-Dichloropropane	0.605	0.677	-11.9	83	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.305	-17.8	81	0.00
59	T	2-Hexanone	0.425	0.520	-22.4	88	0.00
60	T	Dibromochloromethane	0.366	0.420	-14.8	83	0.00
61	T	1,2-Dibromoethane	0.349	0.391	-12.0	83	0.00
62	S	4-Bromofluorobenzene	0.402	0.430	-7.0	81	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64	T	Tetrachloroethene	0.320	0.336	-5.0	80	0.00
65	PM	Chlorobenzene	1.058	1.132	-7.0	80	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.386	-9.7	84	0.00
67	C	Ethyl Benzene	1.843	2.015	-9.3#	80	0.00
68	T	m/p-Xylenes	0.675	0.738	-9.3	79	0.00
69	T	o-Xylene	0.681	0.730	-7.2	80	0.00
70	T	Styrene	1.101	1.272	-15.5	84	0.00
71	P	Bromoform	0.266	0.305	-14.7	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.903	4.131	-5.8	83	0.00
74	T	N-amyl acetate	1.831	2.058	-12.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.507	-5.2	88	0.00
76	T	1,2,3-Trichloropropane	1.164	1.214	-4.3	88	0.00
77	T	Bromobenzene	0.921	0.954	-3.6	84	0.00
78	T	n-propylbenzene	4.409	4.800	-8.9	83	0.00
79	T	2-Chlorotoluene	2.808	2.921	-4.0	84	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.422	-8.4	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.356	-4.7	87	0.00
82	T	4-Chlorotoluene	3.060	3.381	-10.5	87	0.00
83	T	tert-Butylbenzene	3.242	3.445	-6.3	85	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.499	-10.2	86	0.00
85	T	sec-Butylbenzene	3.884	4.286	-10.4	84	0.00
86	T	p-Isopropyltoluene	3.139	3.546	-13.0	86	0.00
87	T	1,3-Dichlorobenzene	1.643	1.760	-7.1	87	0.00
88	T	1,4-Dichlorobenzene	1.662	1.756	-5.7	86	0.00
89	T	n-Butylbenzene	2.703	3.130	-15.8	86	0.00
90	T	Hexachloroethane	0.568	0.612	-7.7	84	0.00
91	T	1,2-Dichlorobenzene	1.648	1.764	-7.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.323	-15.8	92	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.005	-7.1	82	0.00
94	T	Hexachlorobutadiene	0.385	0.410	-6.5	87	0.00
95	T	Naphthalene	3.605	3.891	-7.9	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.054	-6.5	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	76	0.00
2	T	Dichlorodifluoromethane	50.000	51.173	-2.3	78	0.00
3	P	Chloromethane	50.000	52.360	-4.7	81	0.00
4	C	Vinyl Chloride	50.000	46.661	6.7#	71	0.00
5	T	Bromomethane	50.000	51.687	-3.4	81	0.00
6	T	Chloroethane	50.000	53.994	-8.0	78	0.00
7	T	Trichlorofluoromethane	50.000	51.079	-2.2	75	0.00
8	T	Diethyl Ether	50.000	48.195	3.6	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.104	-12.2	83	0.00
10	T	Methyl Iodide	50.000	57.437	-14.9	82	0.00
11	T	Tert butyl alcohol	250.000	218.906	12.4	75	0.00
12	CM	1,1-Dichloroethene	50.000	51.461	-2.9#	77	0.00
13	T	Acrolein	250.000	296.868	-18.7	90	0.00
14	T	Allyl chloride	50.000	55.089	-10.2	83	0.00
15	T	Acrylonitrile	250.000	276.353	-10.5	83	0.00
16	T	Acetone	250.000	267.281	-6.9	85	0.00
17	T	Carbon Disulfide	50.000	42.902	14.2	64	0.00
18	T	Methyl Acetate	50.000	64.394	-28.8#	100	0.00
19	T	Methyl tert-butyl Ether	50.000	53.877	-7.8	81	0.00
20	T	Methylene Chloride	50.000	52.463	-4.9	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.824	-5.6	77	0.00
22	T	Diisopropyl ether	50.000	54.746	-9.5	81	0.00
23	T	Vinyl Acetate	250.000	277.131	-10.9	79	0.00
24	P	1,1-Dichloroethane	50.000	53.947	-7.9	82	0.00
25	T	2-Butanone	250.000	280.855	-12.3	82	0.00
26	T	2,2-Dichloropropane	50.000	65.428	-30.9#	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.261	-6.5	80	0.00
28	T	Bromochloromethane	50.000	51.273	-2.5	77	0.00
29	T	Tetrahydrofuran	250.000	266.382	-6.6	81	0.00
30	C	Chloroform	50.000	55.352	-10.7#	84	0.00
31	T	Cyclohexane	50.000	50.380	-0.8	75	0.00
32	T	1,1,1-Trichloroethane	50.000	54.563	-9.1	81	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.306	-4.6	83	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	51.369	-2.7	79	0.00
36	T	1,1-Dichloropropene	50.000	53.401	-6.8	79	0.00
37	T	Ethyl Acetate	50.000	53.332	-6.7	79	0.00
38	T	Carbon Tetrachloride	50.000	53.462	-6.9	81	0.00
39	T	Methylcyclohexane	50.000	52.933	-5.9	75	0.00
40	TM	Benzene	50.000	53.682	-7.4	79	0.00
41	T	Methacrylonitrile	50.000	59.938	-19.9	85	0.00
42	TM	1,2-Dichloroethane	50.000	57.596	-15.2	86	0.00
43	T	Isopropyl Acetate	50.000	56.199	-12.4	80	0.00
44	TM	Trichloroethene	50.000	52.524	-5.0	79	0.00
45	C	1,2-Dichloropropane	50.000	53.295	-6.6#	81	0.00
46	T	Dibromomethane	50.000	56.462	-12.9	84	0.00
47	T	Bromodichloromethane	50.000	57.200	-14.4	85	0.00
48	T	Methyl methacrylate	50.000	58.331	-16.7	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	1054.131	-5.4	78	0.00
50	S	Toluene-d8	50.000	48.895	2.2	74	0.00
51	T	4-Methyl-2-Pentanone	250.000	300.388	-20.2	87	0.00
52	CM	Toluene	50.000	55.022	-10.0#	79	0.00
53	T	t-1,3-Dichloropropene	50.000	57.163	-14.3	80	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.333	-12.7	80	0.00
55	T	1,1,2-Trichloroethane	50.000	55.767	-11.5	83	0.00
56	T	Ethyl methacrylate	50.000	58.887	-17.8	83	0.00
57	T	1,3-Dichloropropane	50.000	55.938	-11.9	83	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.162	-17.7	81	0.00
59	T	2-Hexanone	250.000	305.836	-22.3	88	0.00
60	T	Dibromochloromethane	50.000	57.433	-14.9	83	0.00
61	T	1,2-Dibromoethane	50.000	55.933	-11.9	83	0.00
62	S	4-Bromofluorobenzene	50.000	53.590	-7.2	81	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64	T	Tetrachloroethene	50.000	52.441	-4.9	80	0.00
65	PM	Chlorobenzene	50.000	53.491	-7.0	80	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.755	-9.5	84	0.00
67	C	Ethyl Benzene	50.000	54.641	-9.3#	80	0.00
68	T	m/p-Xylenes	100.000	109.313	-9.3	79	0.00
69	T	o-Xylene	50.000	53.595	-7.2	80	0.00
70	T	Styrene	50.000	57.742	-15.5	84	0.00
71	P	Bromoform	50.000	57.398	-14.8	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	52.919	-5.8	83	0.00
74	T	N-amyl acetate	50.000	56.183	-12.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.620	-5.2	88	0.00
76	T	1,2,3-Trichloropropane	50.000	52.160	-4.3	88	0.00
77	T	Bromobenzene	50.000	51.793	-3.6	84	0.00
78	T	n-propylbenzene	50.000	54.443	-8.9	83	0.00
79	T	2-Chlorotoluene	50.000	52.021	-4.0	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.228	-8.5	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.309	-4.6	87	0.00
82	T	4-Chlorotoluene	50.000	55.244	-10.5	87	0.00
83	T	tert-Butylbenzene	50.000	53.130	-6.3	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.097	-10.2	86	0.00
85	T	sec-Butylbenzene	50.000	55.182	-10.4	84	0.00
86	T	p-Isopropyltoluene	50.000	56.490	-13.0	86	0.00
87	T	1,3-Dichlorobenzene	50.000	53.568	-7.1	87	0.00
88	T	1,4-Dichlorobenzene	50.000	52.831	-5.7	86	0.00
89	T	n-Butylbenzene	50.000	57.893	-15.8	86	0.00
90	T	Hexachloroethane	50.000	53.899	-7.8	84	0.00
91	T	1,2-Dichlorobenzene	50.000	53.519	-7.0	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.816	-15.6	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.542	-7.1	82	0.00
94	T	Hexachlorobutadiene	50.000	53.348	-6.7	87	0.00
95	T	Naphthalene	50.000	53.962	-7.9	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	53.253	-6.5	82	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/18/2025 10:02

Lab File ID: VX045312.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.603		-4.13	20
Chloromethane	0.770	0.700	0.1	-9.09	20
Vinyl Chloride	0.764	0.630		-17.54	20
Bromomethane	0.300	0.274		-8.67	20
Chloroethane	0.352	0.317		-9.94	20
Trichlorofluoromethane	1.012	0.936		-7.51	20
1,1,2-Trichlorotrifluoroethane	0.581	0.621		6.89	20
1,1-Dichloroethene	0.614	0.582		-5.21	20
Acetone	0.369	0.341		-7.59	20
Carbon Disulfide	1.636	1.304		-20.29	20
Methyl tert-butyl Ether	2.061	2.048		-0.63	20
Methyl Acetate	0.888	1.047		17.91	20
Methylene Chloride	0.731	0.679		-7.11	20
trans-1,2-Dichloroethene	0.607	0.576		-5.11	20
1,1-Dichloroethane	1.247	1.218	0.1	-2.33	20
Cyclohexane	1.082	1.015		-6.19	20
2-Butanone	0.555	0.537		-3.24	20
Carbon Tetrachloride	0.465	0.471		1.29	20
cis-1,2-Dichloroethene	0.749	0.729		-2.67	20
Bromochloromethane	0.594	0.601		1.18	20
Chloroform	1.239	1.221		-1.45	20
1,1,1-Trichloroethane	1.000	0.996		-0.4	20
Methylcyclohexane	0.549	0.568		3.46	20
Benzene	1.448	1.413		-2.42	20
1,2-Dichloroethane	0.521	0.545		4.61	20
Trichloroethene	0.340	0.329		-3.23	20
1,2-Dichloropropane	0.372	0.365		-1.88	20
Bromodichloromethane	0.516	0.537		4.07	20
4-Methyl-2-Pentanone	0.587	0.609		3.75	20
Toluene	0.849	0.858		1.06	20
t-1,3-Dichloropropene	0.431	0.479		11.14	20
cis-1,3-Dichloropropene	0.503	0.545		8.35	20
1,1,2-Trichloroethane	0.350	0.352		0.57	20
2-Hexanone	0.425	0.449		5.65	20
Dibromochloromethane	0.366	0.388		6.01	20
1,2-Dibromoethane	0.349	0.352		0.86	20
Tetrachloroethene	0.320	0.327		2.19	20
Chlorobenzene	1.058	1.075	0.3	1.61	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/18/2025 10:02

Lab File ID: VX045312.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.908		3.53	20
m/p-Xylenes	0.675	0.703		4.15	20
o-Xylene	0.681	0.698		2.5	20
Styrene	1.101	1.193		8.36	20
Bromoform	0.266	0.287	0.1	7.89	20
Isopropylbenzene	3.903	3.904		0.03	20
1,1,2,2-Tetrachloroethane	1.432	1.398	0.3	-2.37	20
1,3-Dichlorobenzene	1.643	1.686		2.62	20
1,4-Dichlorobenzene	1.662	1.658		-0.24	20
1,2-Dichlorobenzene	1.648	1.675		1.64	20
1,2-Dibromo-3-Chloropropane	0.279	0.294		5.38	20
1,2,4-Trichlorobenzene	0.938	1.026		9.38	20
1,2,3-Trichlorobenzene	0.990	1.049		5.96	20
1,2-Dichloroethane-d4	0.795	0.819		3.02	20
Dibromofluoromethane	0.334	0.351		5.09	20
Toluene-d8	1.212	1.212		0	20
4-Bromofluorobenzene	0.402	0.438		8.95	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\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	99818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81784	51.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	5.379	113	61666	52.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	8.647	98	213078	49.996	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.000%			
62) 4-Bromofluorobenzene	11.079	95	77049	54.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	60222	47.929	ug/l	97
3) Chloromethane	1.300	50	69904	45.462	ug/l	100
4) Vinyl Chloride	1.374	62	62913	41.244	ug/l	97
5) Bromomethane	1.593	94	27332	45.580	ug/l	99
6) Chloroethane	1.660	64	31612	44.930	ug/l	100
7) Trichlorofluoromethane	1.867	101	93429	46.268	ug/l	96
8) Diethyl Ether	2.130	74	33560	42.490	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	62031	53.469	ug/l	98
10) Methyl Iodide	2.441	142	74553	51.423	ug/l	97
11) Tert butyl alcohol	2.983	59	58920	195.913	ug/l	99
12) 1,1-Dichloroethene	2.306	96	58098	47.367	ug/l	99
13) Acrolein	2.233	56	81811	235.324	ug/l	100
14) Allyl chloride	2.654	41	108834	49.848	ug/l	95
15) Acrylonitrile	3.062	53	193713	240.329	ug/l	99
16) Acetone	2.386	43	170062	230.853	ug/l	98
17) Carbon Disulfide	2.501	76	130150	39.839	ug/l	98
18) Methyl Acetate	2.703	43	104537	58.988	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	204467	49.687	ug/l	99
20) Methylene Chloride	2.782	84	67795	46.459	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	57461	47.420	ug/l	95
22) Diisopropyl ether	3.757	45	222471	50.102	ug/l	93
23) Vinyl Acetate	3.715	43	925572	249.784	ug/l	99
24) 1,1-Dichloroethane	3.599	63	121571	48.853	ug/l	99
25) 2-Butanone	4.556	43	267999	241.687	ug/l	100
26) 2,2-Dichloropropane	4.465	77	84755	72.611	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	72736	48.625	ug/l	93
28) Bromochloromethane	4.885	49	59956	50.547	ug/l	98
29) Tetrahydrofuran	5.001	42	169735	227.936	ug/l	100
30) Chloroform	5.080	83	121902	49.301	ug/l	97
31) Cyclohexane	5.458	56	101352	46.918	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	99429	49.788	ug/l	97
36) 1,1-Dichloropropene	5.684	75	79034	49.023	ug/l	99
37) Ethyl Acetate	4.708	43	99330	47.814	ug/l	99
38) Carbon Tetrachloride	5.666	117	82850	50.618	ug/l	98
39) Methylcyclohexane	7.373	83	99912	51.720	ug/l	99
40) Benzene	6.025	78	248464	48.805	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	57809	51.464	ug/l		98
42) 1,2-Dichloroethane	6.080	62	95767	52.239	ug/l		98
43) Isopropyl Acetate	6.336	43	158682	51.656	ug/l		99
44) Trichloroethene	7.117	130	57829	48.376	ug/l		98
45) 1,2-Dichloropropane	7.427	63	64231	49.071	ug/l		100
46) Dibromomethane	7.574	93	47670	51.526	ug/l		97
47) Bromodichloromethane	7.818	83	94385	52.012	ug/l		99
48) Methyl methacrylate	7.690	41	81849	53.109	ug/l		95
49) 1,4-Dioxane	7.659	88	29493	907.231	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	535545	259.644	ug/l		100
52) Toluene	8.714	92	150886	50.515	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84146	55.465	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	95867	54.190	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	61925	50.360	ug/l		97
56) Ethyl methacrylate	9.116	69	100306	53.664	ug/l		96
57) 1,3-Dichloropropane	9.305	76	106823	50.198	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	265011	290.649	ug/l		98
59) 2-Hexanone	9.427	43	394266	263.820	ug/l		99
60) Dibromochloromethane	9.518	129	68198	53.043	ug/l		99
61) 1,2-Dibromoethane	9.604	107	61888	50.415	ug/l		98
64) Tetrachloroethene	9.269	164	49539	51.098	ug/l		94
65) Chlorobenzene	10.073	112	162786	50.822	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54990	51.552	ug/l		98
67) Ethyl Benzene	10.189	91	288783	51.743	ug/l		100
68) m/p-Xylenes	10.299	106	212826	104.167	ug/l		98
69) o-Xylene	10.640	106	105690	51.291	ug/l		99
70) Styrene	10.652	104	180599	54.166	ug/l		99
71) Bromoform	10.799	173	43504	54.084	ug/l	#	99
73) Isopropylbenzene	10.957	105	278606	50.023	ug/l		98
74) N-amyl acetate	10.841	43	139101	53.226	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99756	48.809	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	81471m	49.055	ug/l		
77) Bromobenzene	11.195	156	64588	49.150	ug/l		98
78) n-propylbenzene	11.299	91	329285	52.338	ug/l		98
79) 2-Chlorotoluene	11.360	91	197543	49.301	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	229603	50.984	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26079	53.737	ug/l		92
82) 4-Chlorotoluene	11.451	91	226650	51.902	ug/l		100
83) tert-Butylbenzene	11.713	119	232507	50.249	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	234292	51.705	ug/l		99
85) sec-Butylbenzene	11.890	105	295168	53.254	ug/l		100
86) p-Isopropyltoluene	12.006	119	243748	54.417	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	120314	51.323	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	118289	49.875	ug/l		99
89) n-Butylbenzene	12.329	91	223520	57.938	ug/l		99
90) Hexachloroethane	12.536	117	41142	50.780	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	119524	50.826	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20953	52.623	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	73192	54.660	ug/l		100
94) Hexachlorobutadiene	13.725	225	30372	55.325	ug/l		99
95) Naphthalene	13.774	128	268238	52.139	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74839	52.979	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

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

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

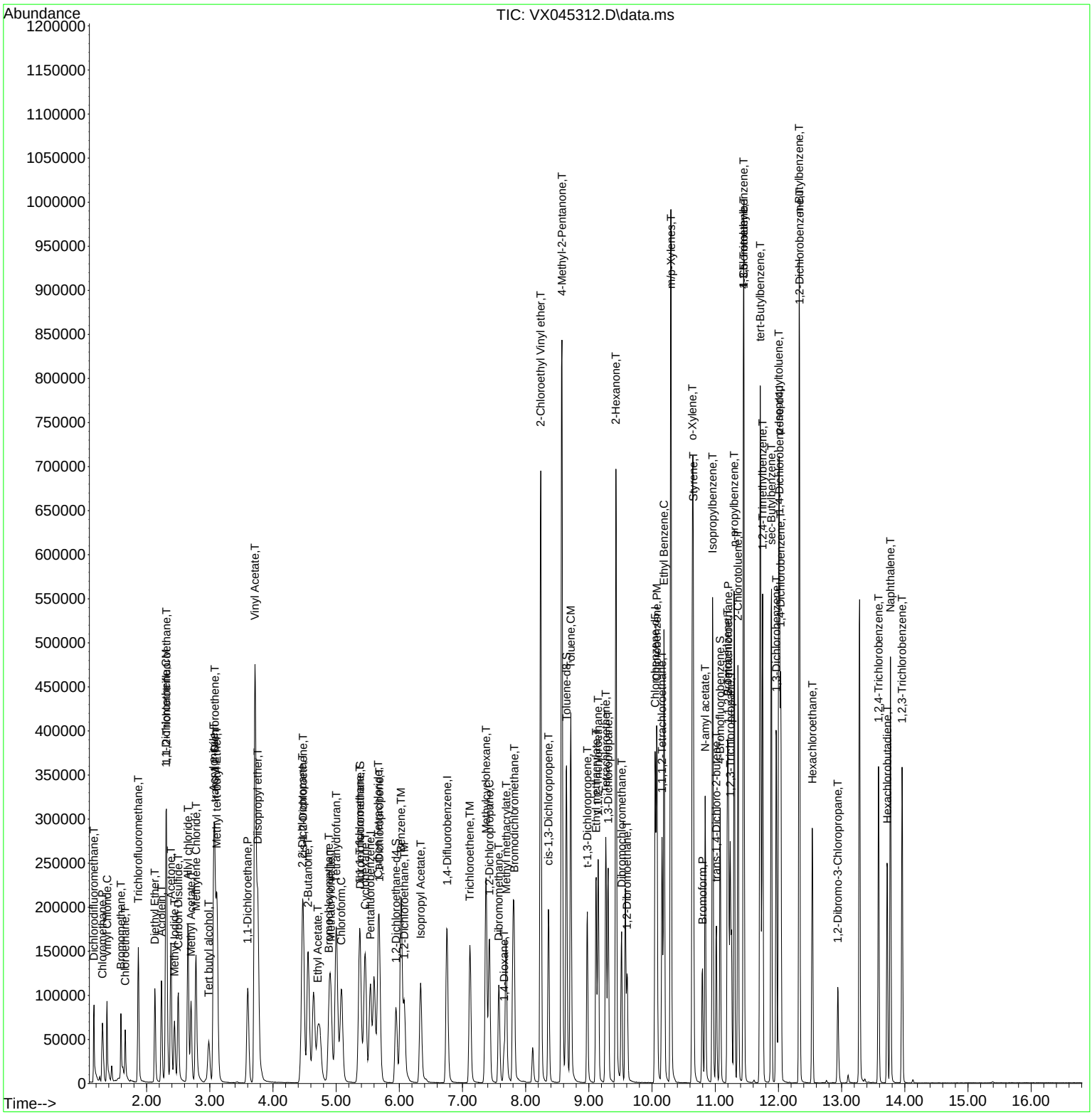
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Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

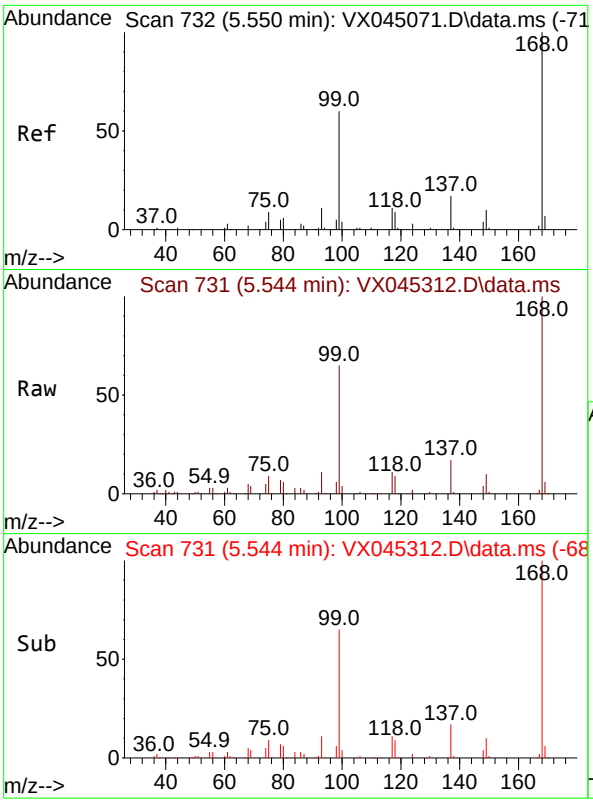
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
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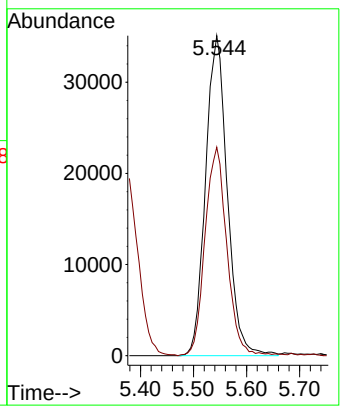




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:168 Resp: 9981

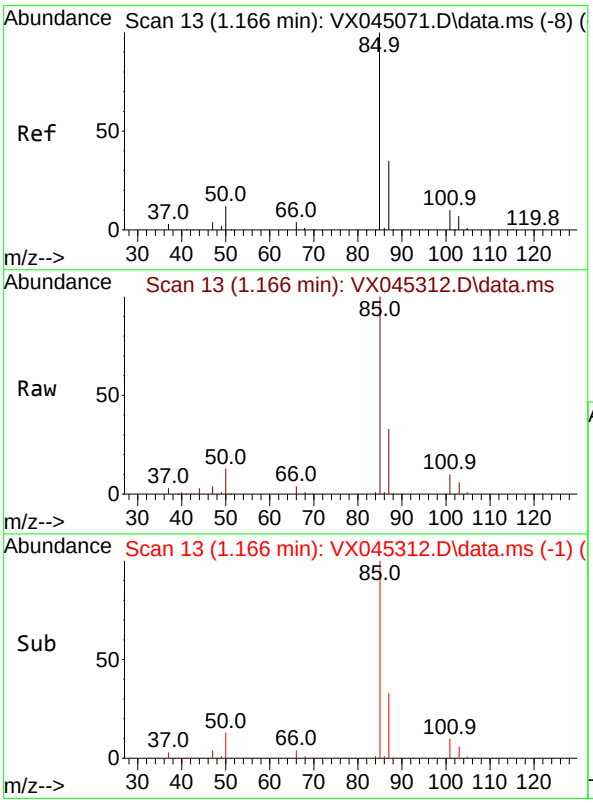
Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

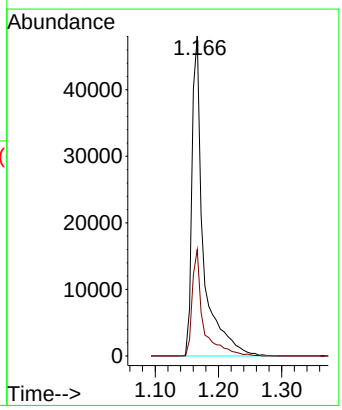
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

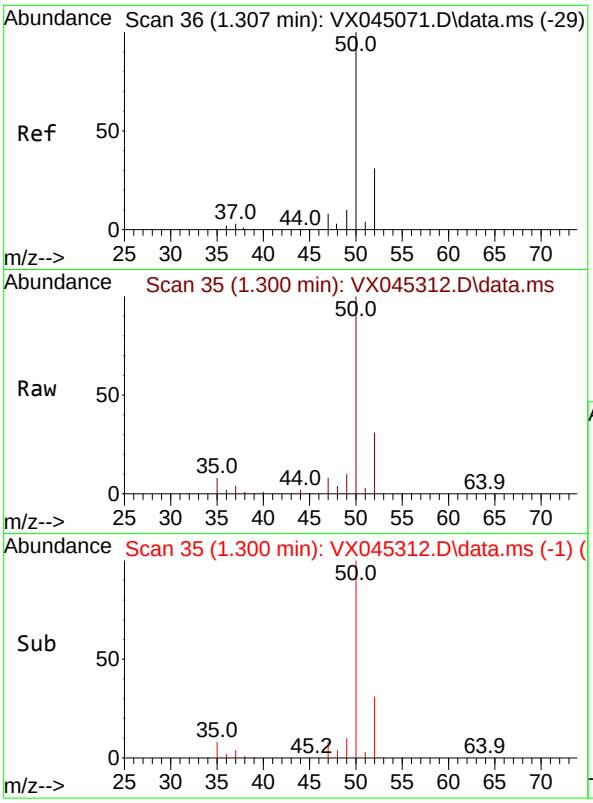


#2
Dichlorodifluoromethane
Concen: 47.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 85 Resp: 60222

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3

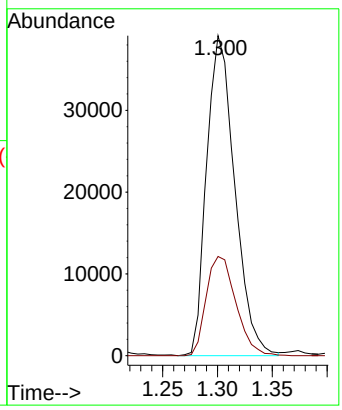




#3
Chloromethane
Concen: 45.462 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 50 Resp: 6990

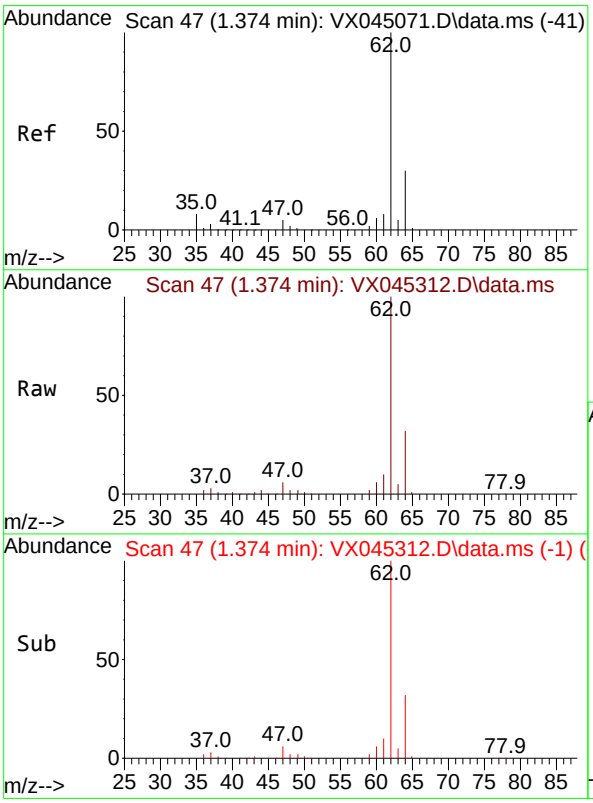
Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

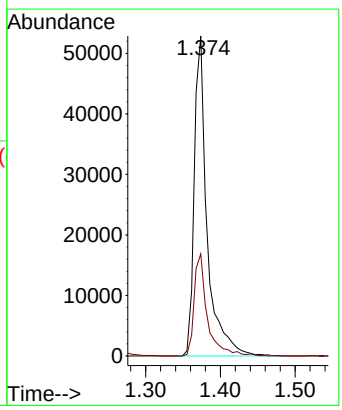
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

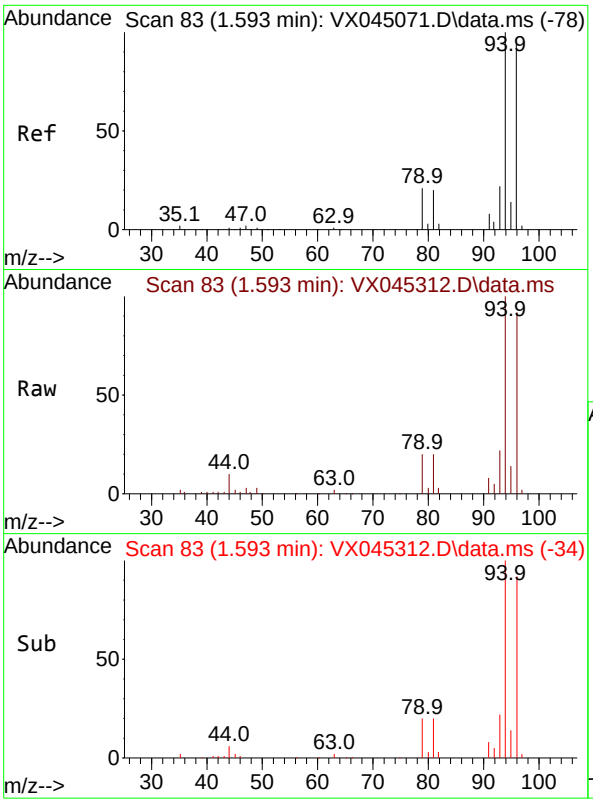


#4
Vinyl Chloride
Concen: 41.244 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 62 Resp: 62913

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.3	36.5

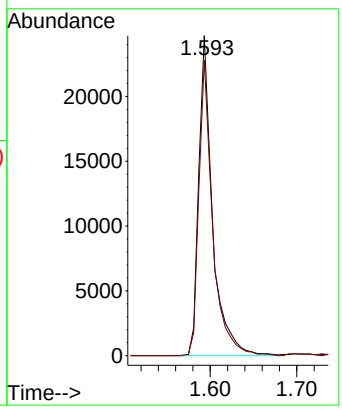




#5
Bromomethane
Concen: 45.580 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 94 Resp: 2733

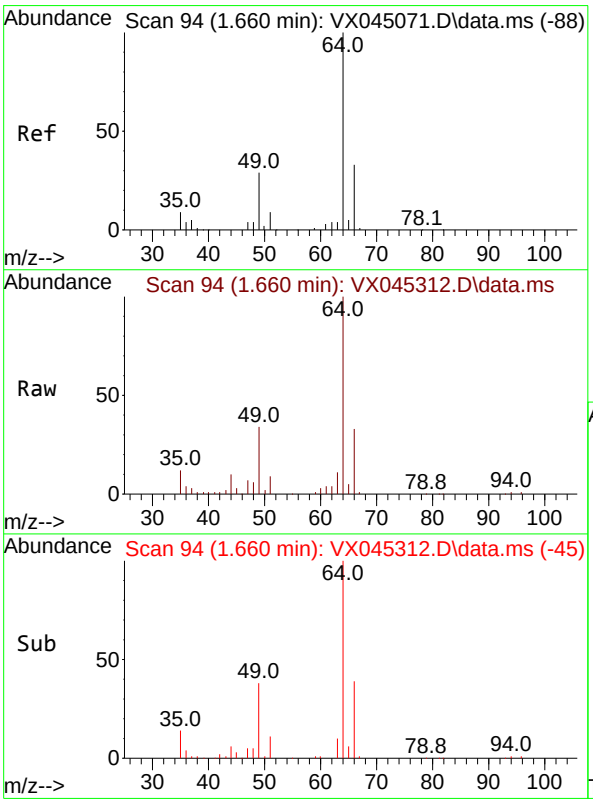
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

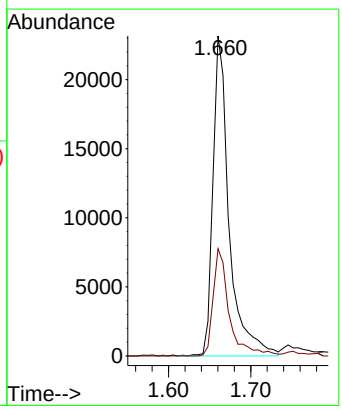
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

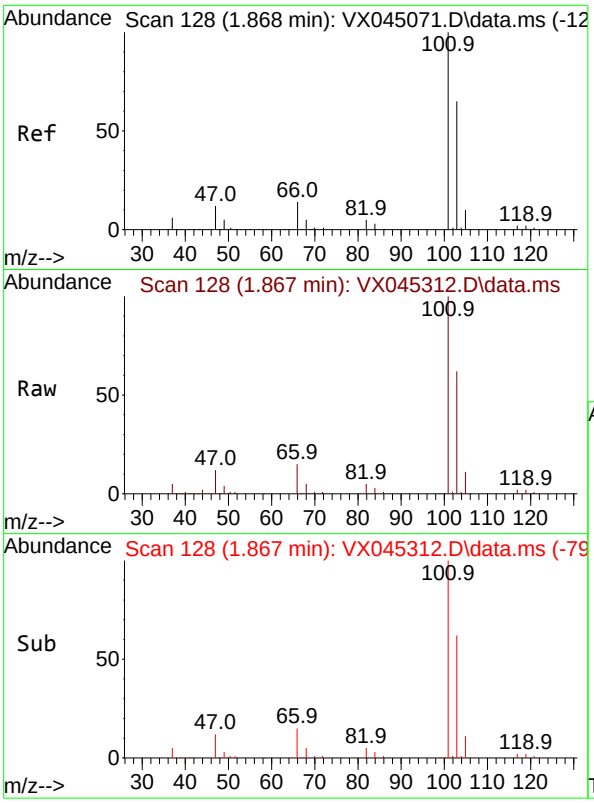


#6
Chloroethane
Concen: 44.930 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 64 Resp: 31612

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.7	40.1

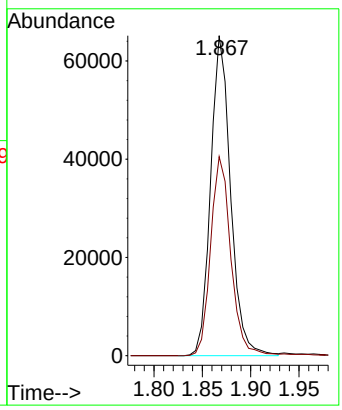




#7
Trichlorofluoromethane
Concen: 46.268 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:101 Resp: 9342

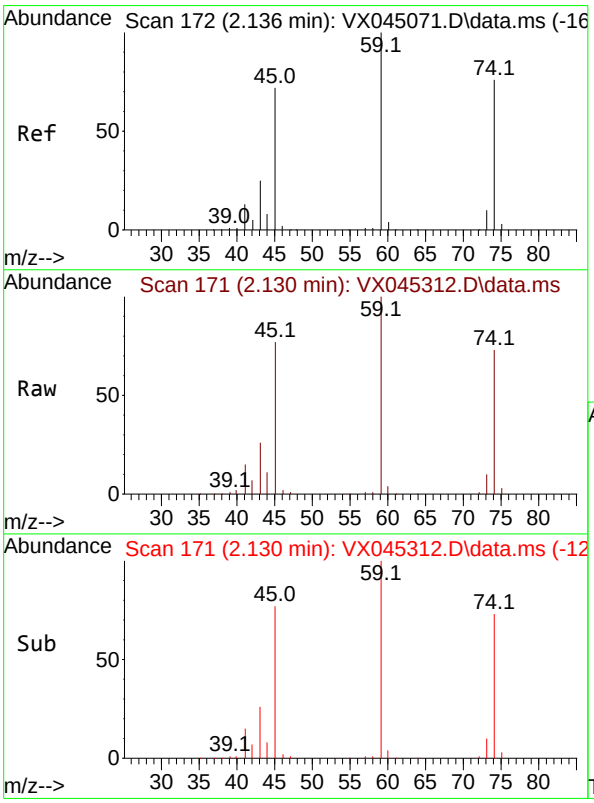
Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

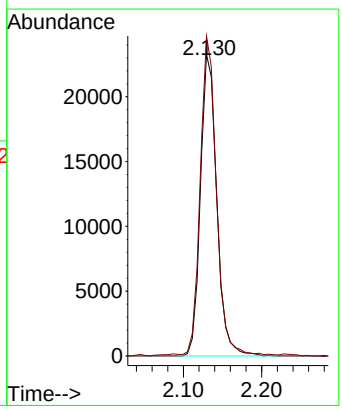
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

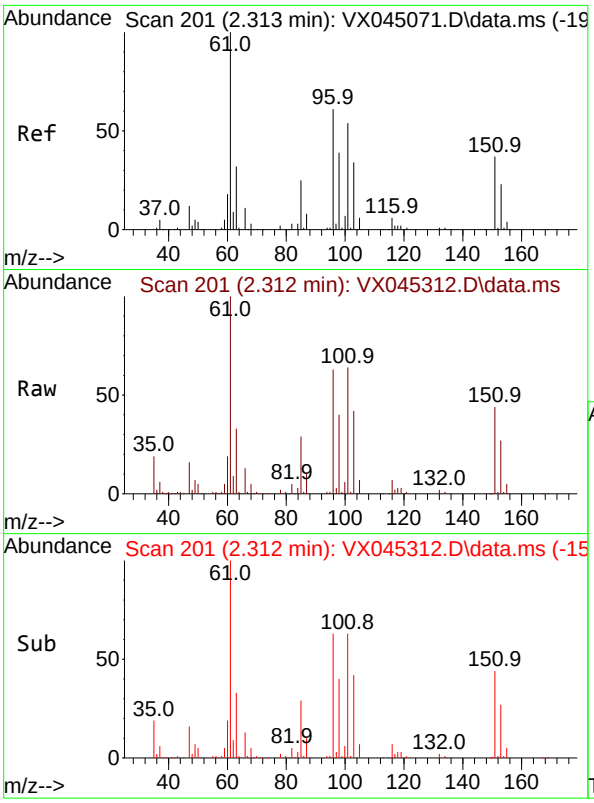


#8
Diethyl Ether
Concen: 42.490 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 74 Resp: 33560

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.469 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

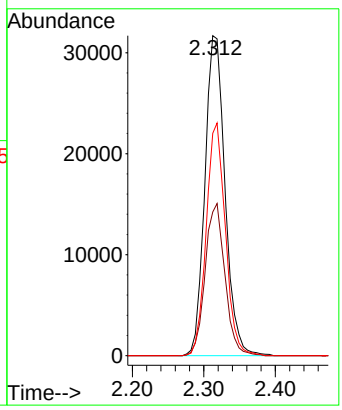
Tgt Ion:101 Resp: 6203

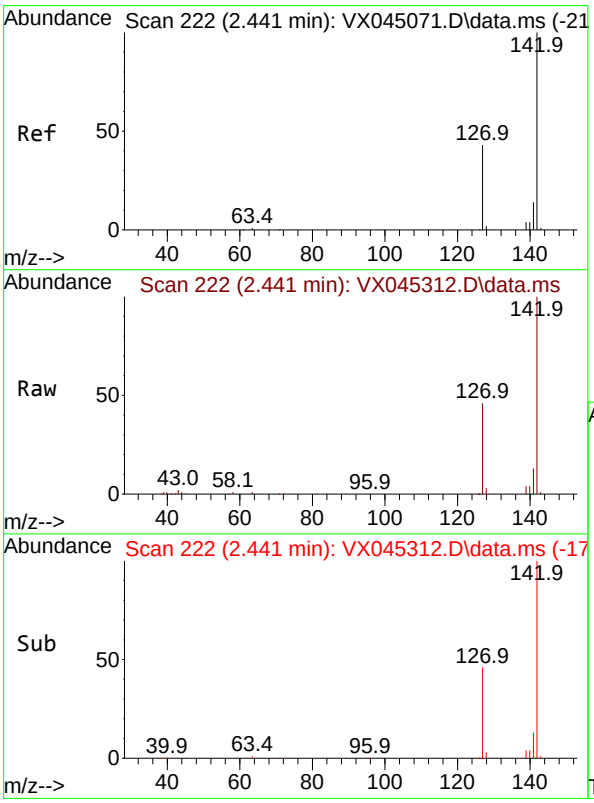
Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	69.2	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

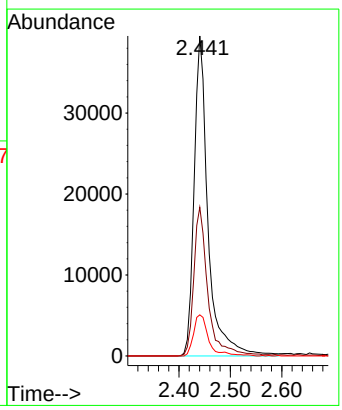


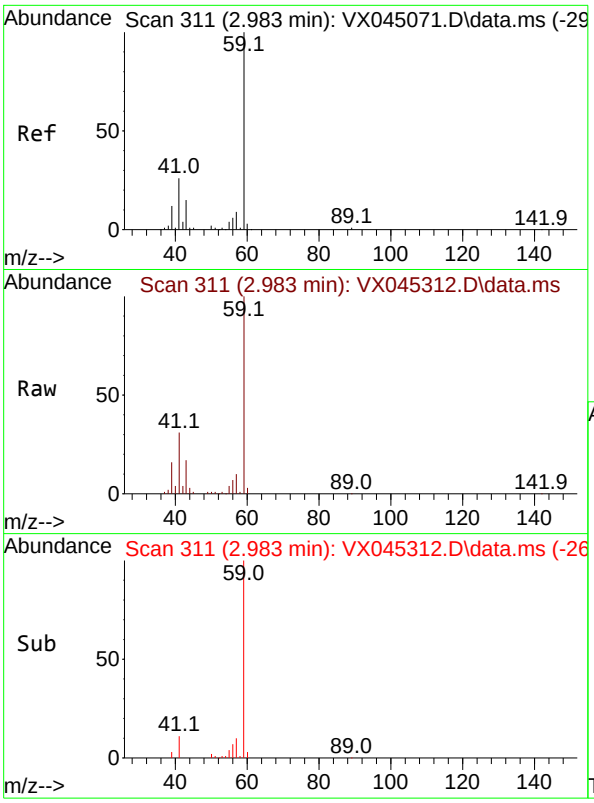


#10
Methyl Iodide
Concen: 51.423 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:142 Resp: 74553

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.4	53.2
141	13.9	11.6	17.4

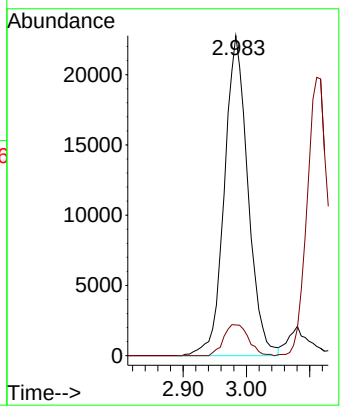




#11
Tert butyl alcohol
Concen: 195.913 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 59 Resp: 5892

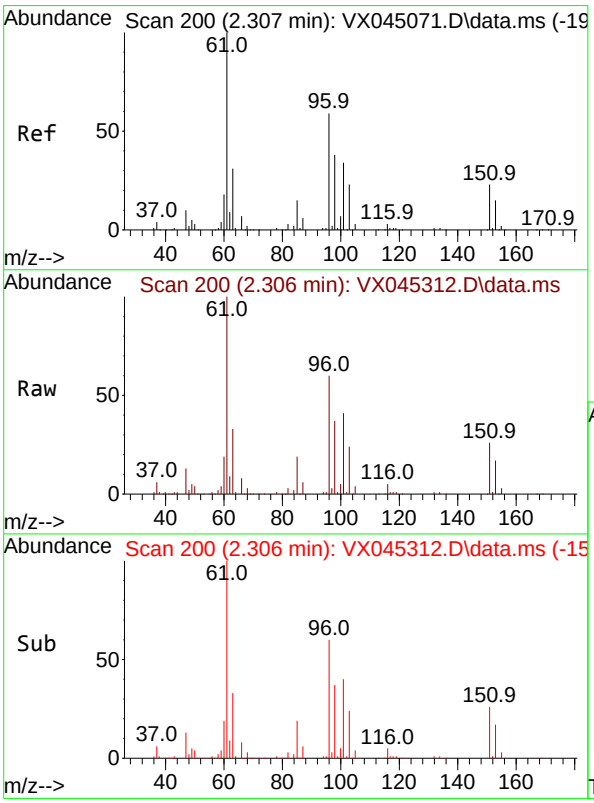
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8



Instrument :
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VSTDCCC050

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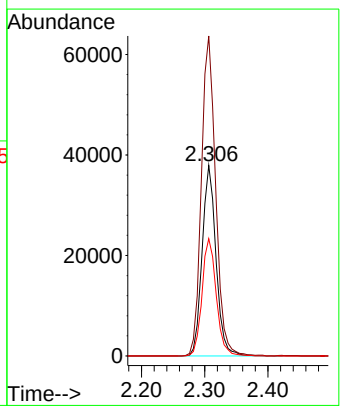
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

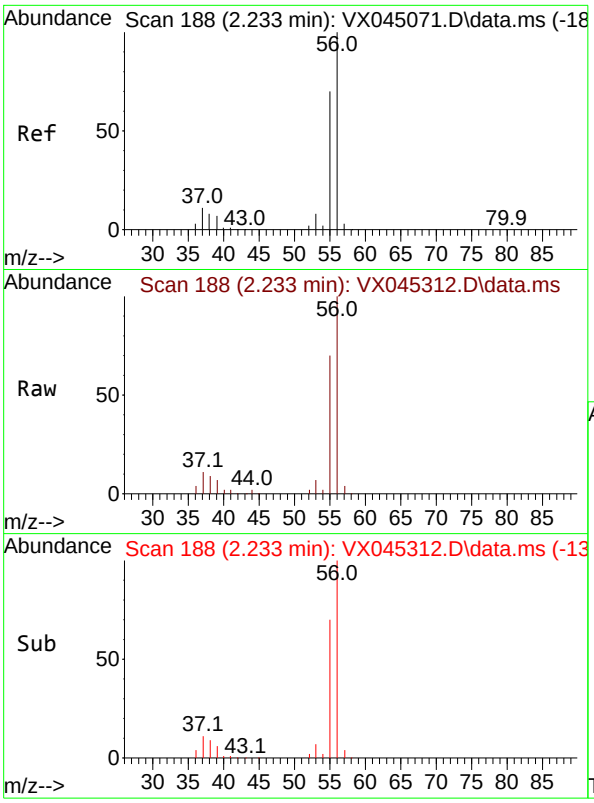


#12
1,1-Dichloroethene
Concen: 47.367 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 96 Resp: 58098

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	61.6	51.0	76.6

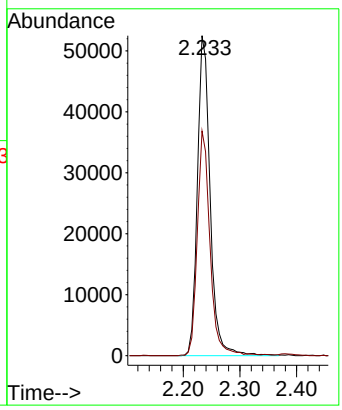




#13
Acrolein
Concen: 235.324 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 56 Resp: 8181

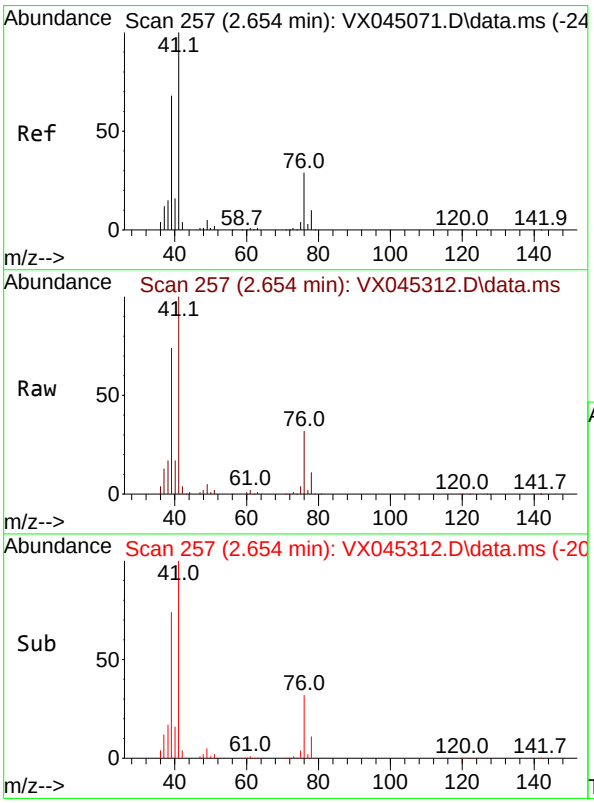
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4



Instrument :
MSVOA_X
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VSTDCCC050

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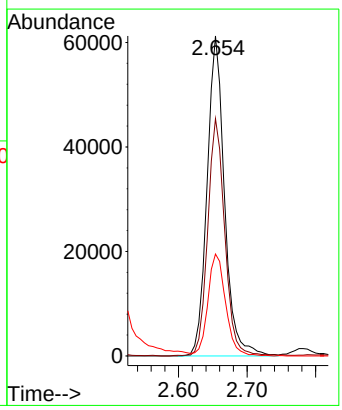
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

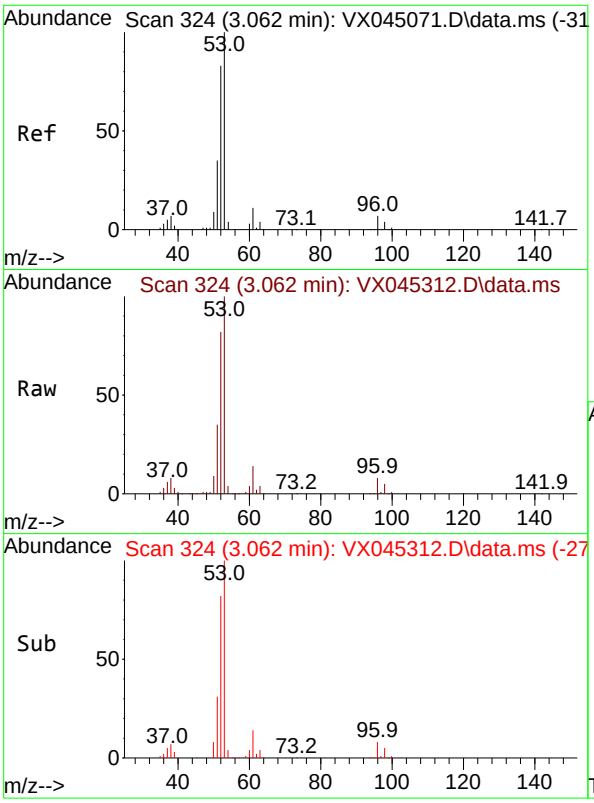


#14
Allyl chloride
Concen: 49.848 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 41 Resp: 108834

Ion	Ratio	Lower	Upper
41	100		
39	72.6	53.8	80.8
76	32.4	25.2	37.8

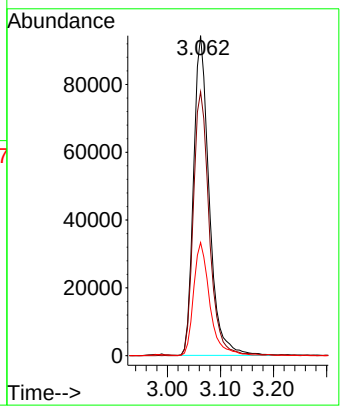




#15
Acrylonitrile
Concen: 240.329 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 53 Resp: 19371

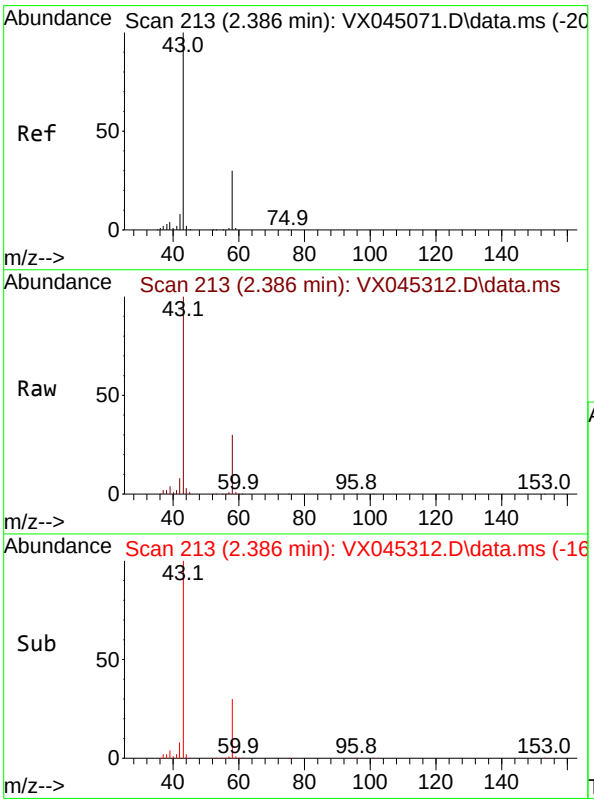
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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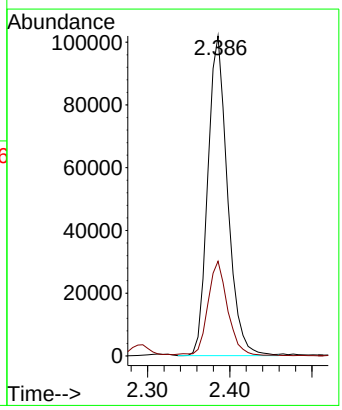
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

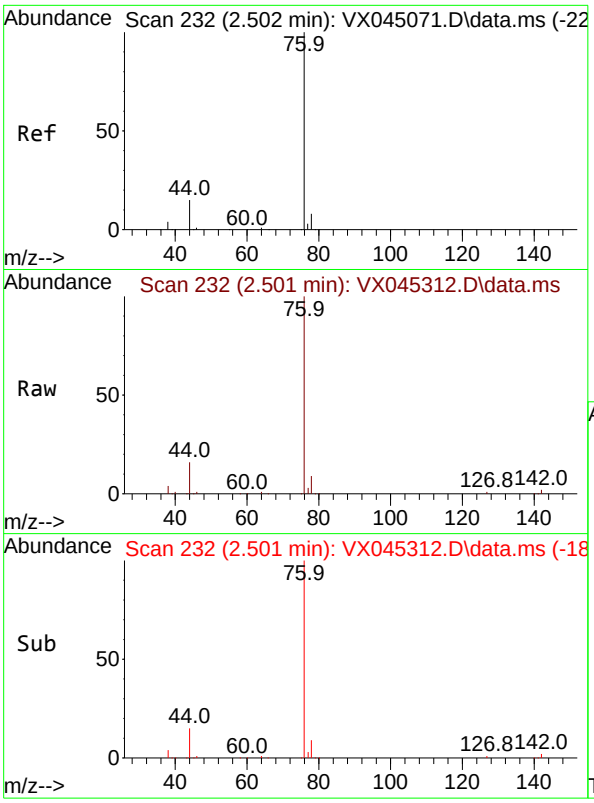


#16
Acetone
Concen: 230.853 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 170062

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.2	36.4

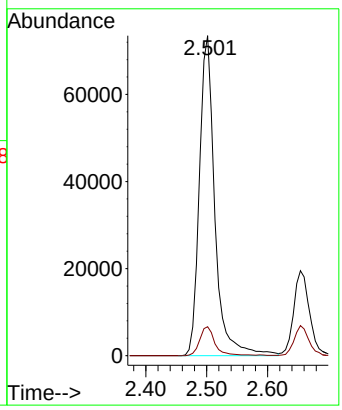




#17
Carbon Disulfide
Concen: 39.839 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 76 Resp: 13015

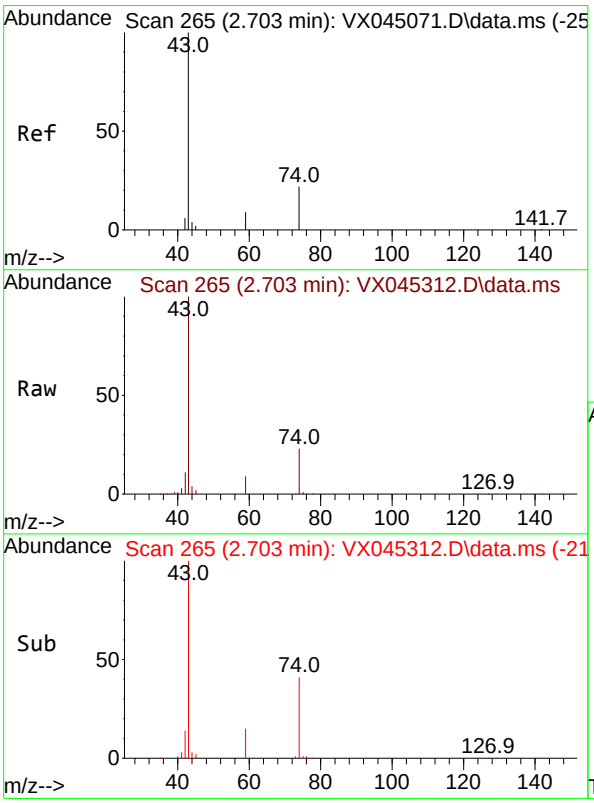
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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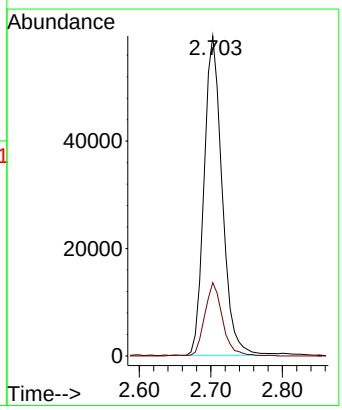
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

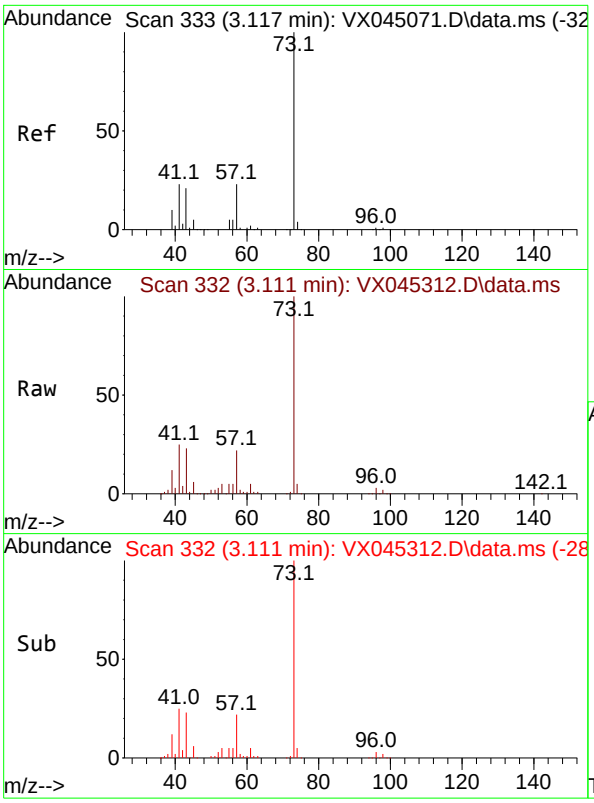


#18
Methyl Acetate
Concen: 58.988 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 104537

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

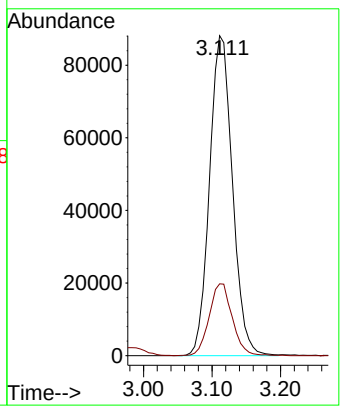




#19
Methyl tert-butyl Ether
Concen: 49.687 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 73 Resp: 20446

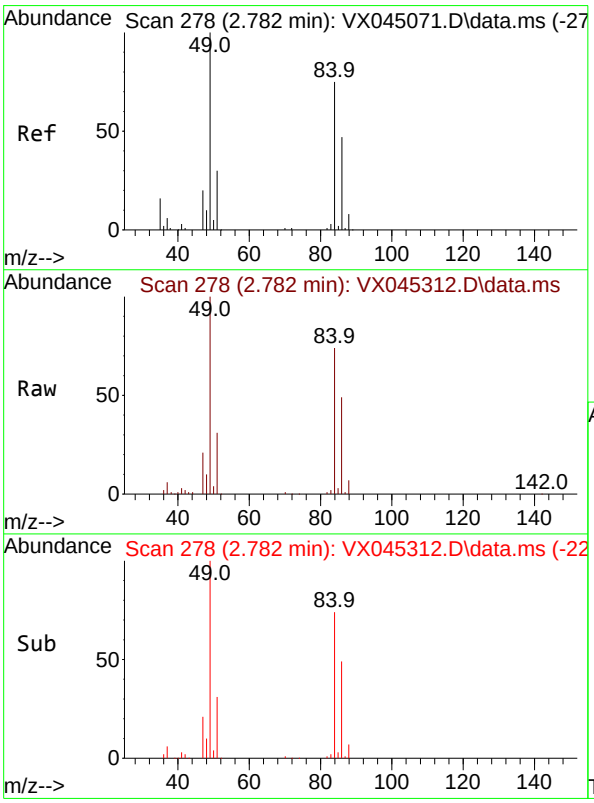
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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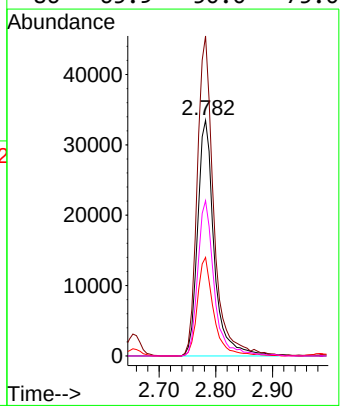
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

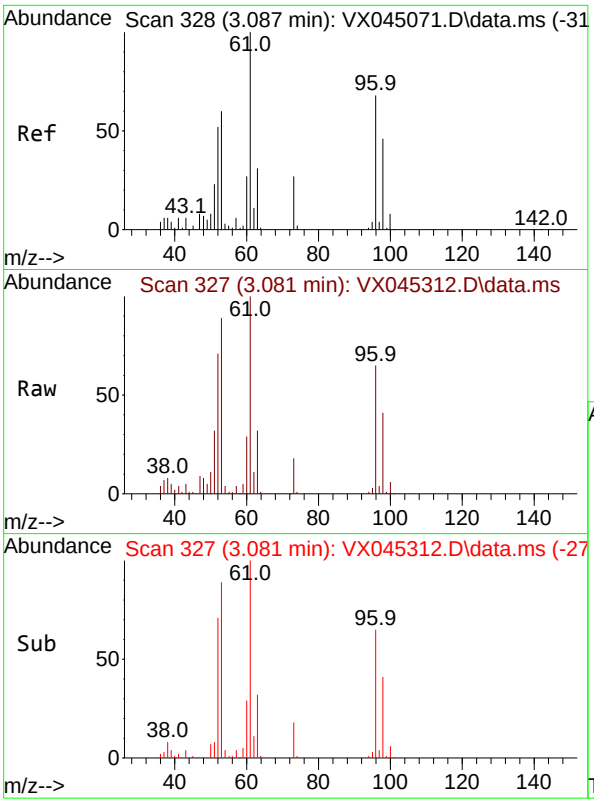


#20
Methylene Chloride
Concen: 46.459 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 84 Resp: 67795

Ion	Ratio	Lower	Upper
84	100		
49	135.8	106.5	159.7
51	41.8	32.1	48.1
86	65.9	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 47.420 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

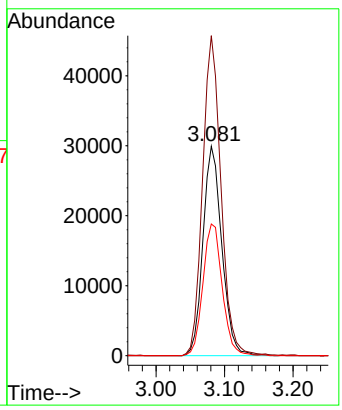
Tgt Ion: 96 Resp: 5746

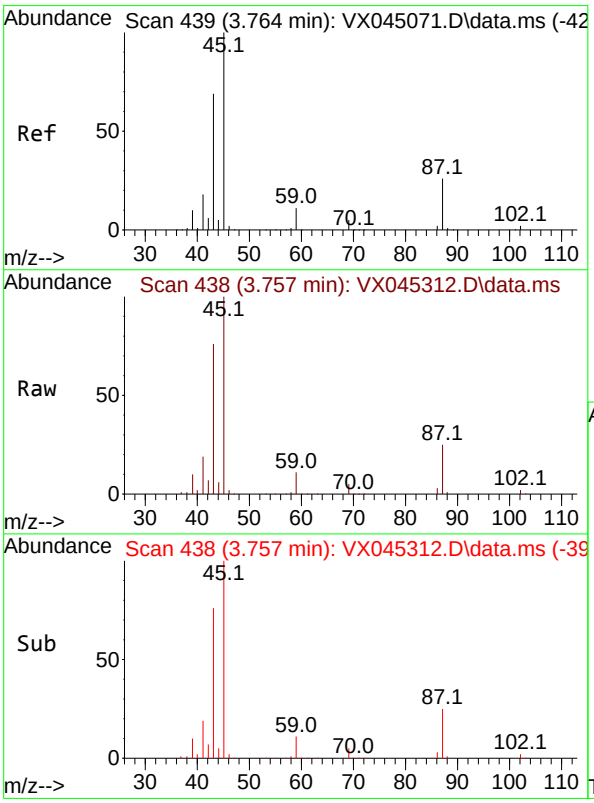
Ion	Ratio	Lower	Upper
96	100		
61	152.8	117.0	175.4
98	62.9	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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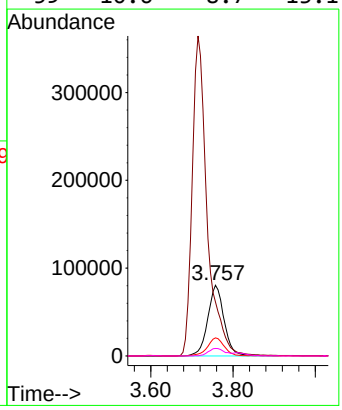


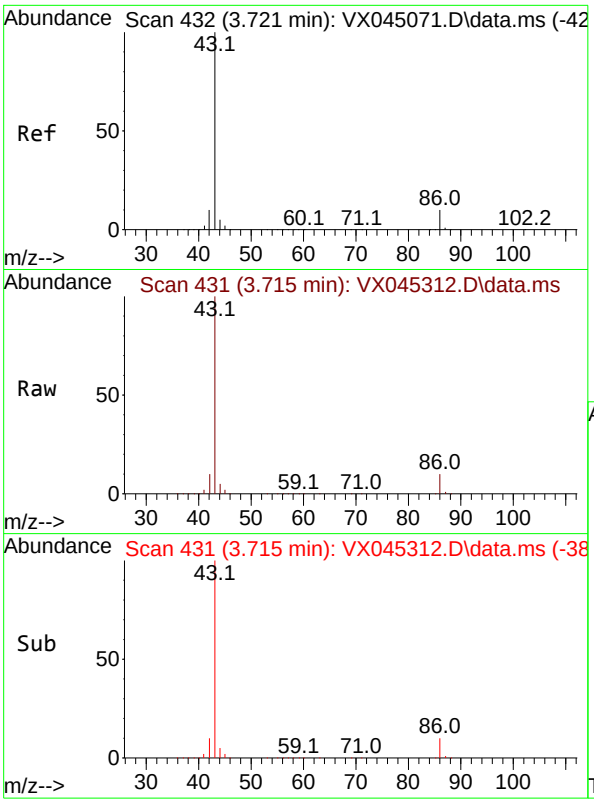


#22
Diisopropyl ether
Concen: 50.102 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 45 Resp: 222471

Ion	Ratio	Lower	Upper
45	100		
43	76.2	54.9	82.3
87	25.5	21.0	31.4
59	10.6	8.7	13.1





#23
Vinyl Acetate
Concen: 249.784 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

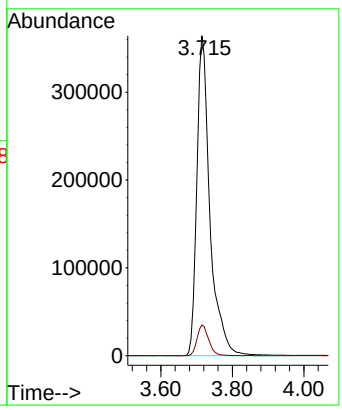
Tgt Ion: 43 Resp: 92557

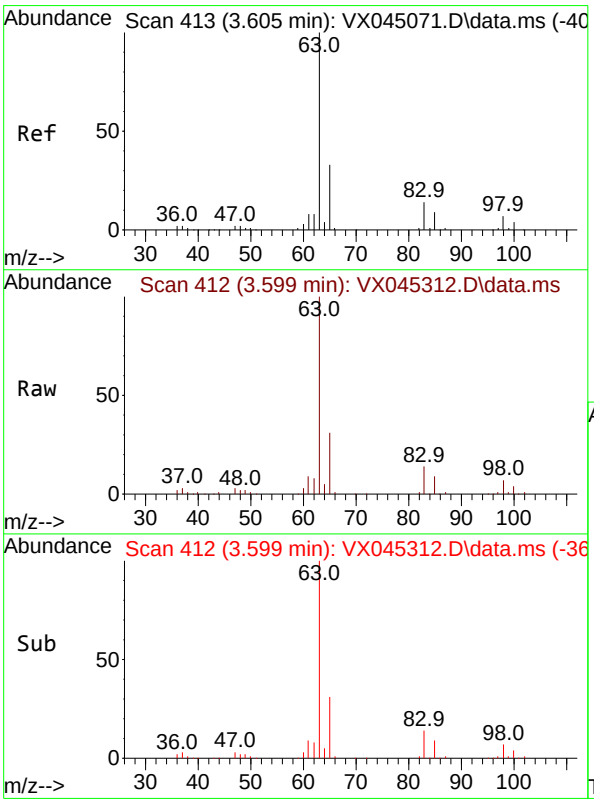
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

Instrument :
MSVOA_X
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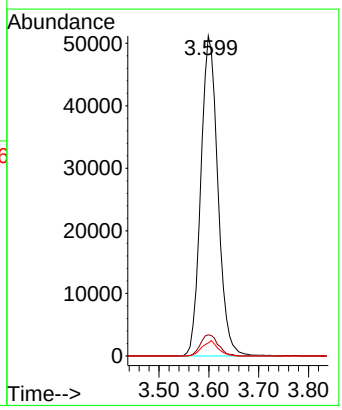


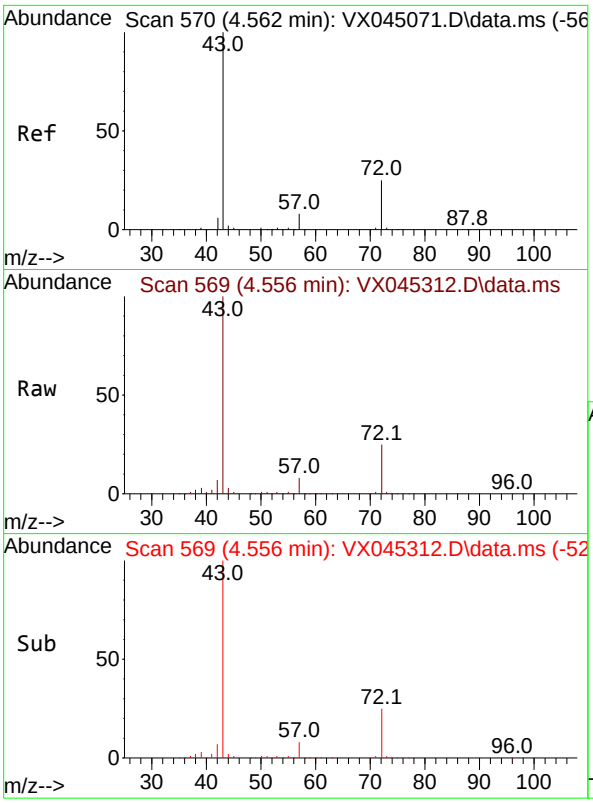


#24
1,1-Dichloroethane
Concen: 48.853 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 63 Resp: 121571

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 241.687 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

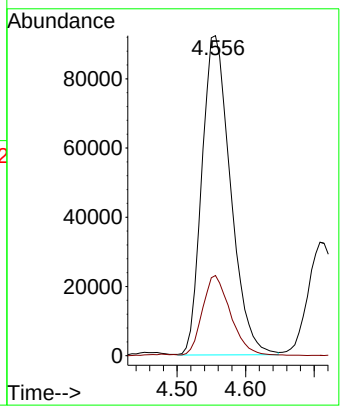
Tgt Ion: 43 Resp: 26799

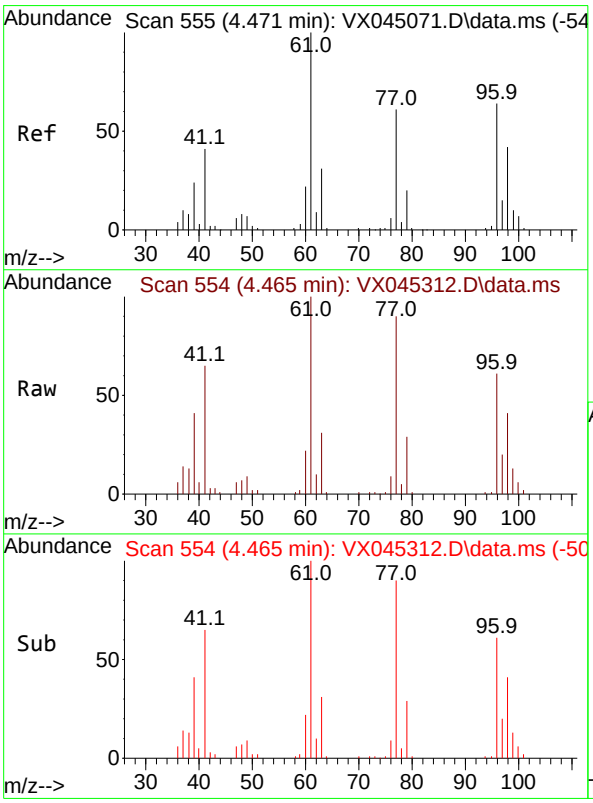
Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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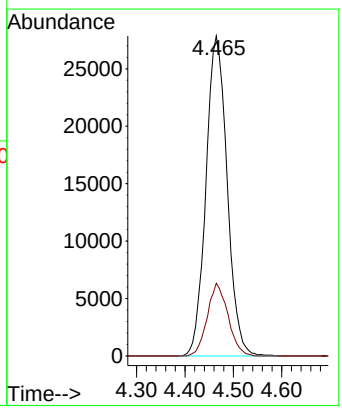


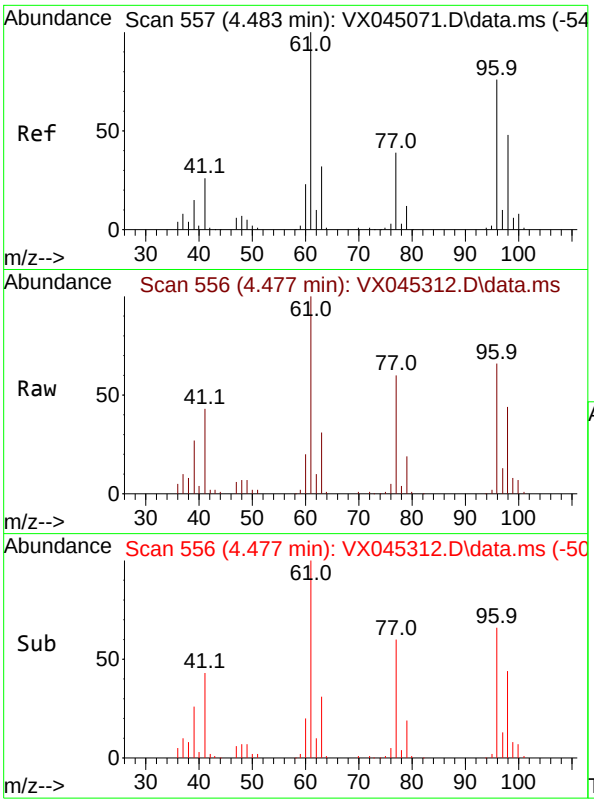


#26
2,2-Dichloropropane
Concen: 72.611 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 77 Resp: 84755

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0

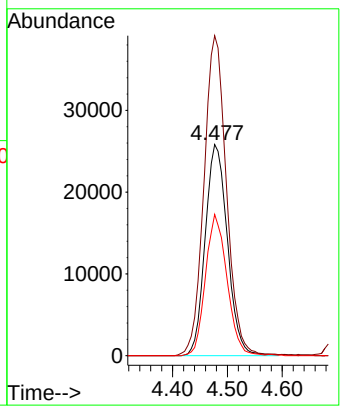




#27
cis-1,2-Dichloroethene
Concen: 48.625 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 96 Resp: 7273

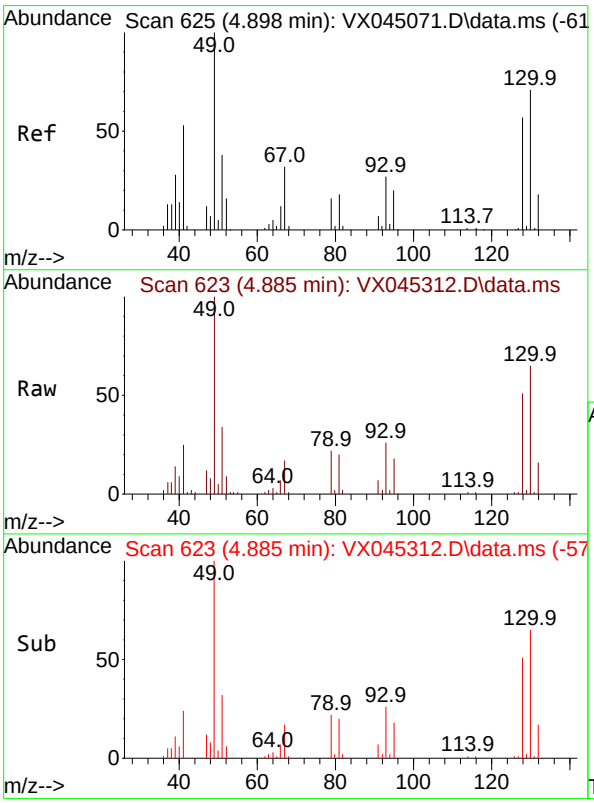
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	64.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

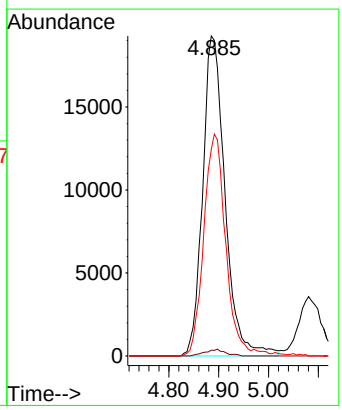
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

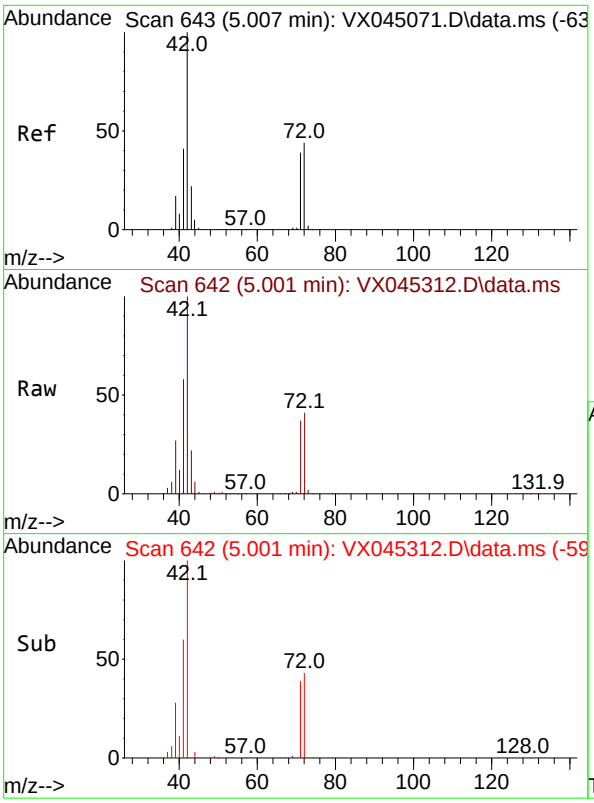


#28
Bromochloromethane
Concen: 50.547 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 49 Resp: 59956

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 227.936 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

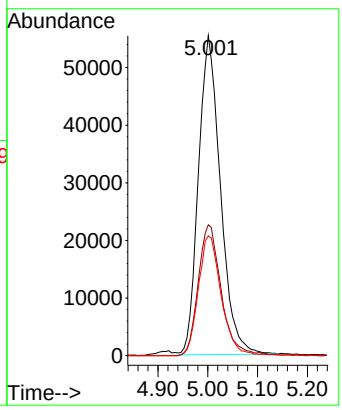
Tgt Ion: 42 Resp: 16973

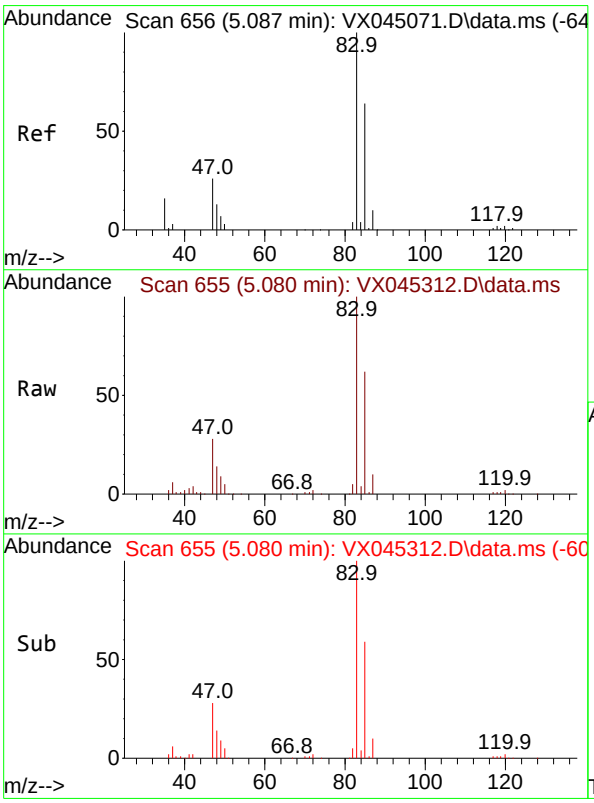
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

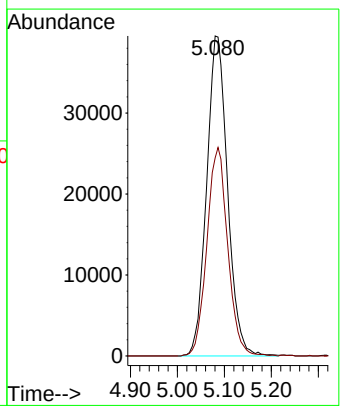


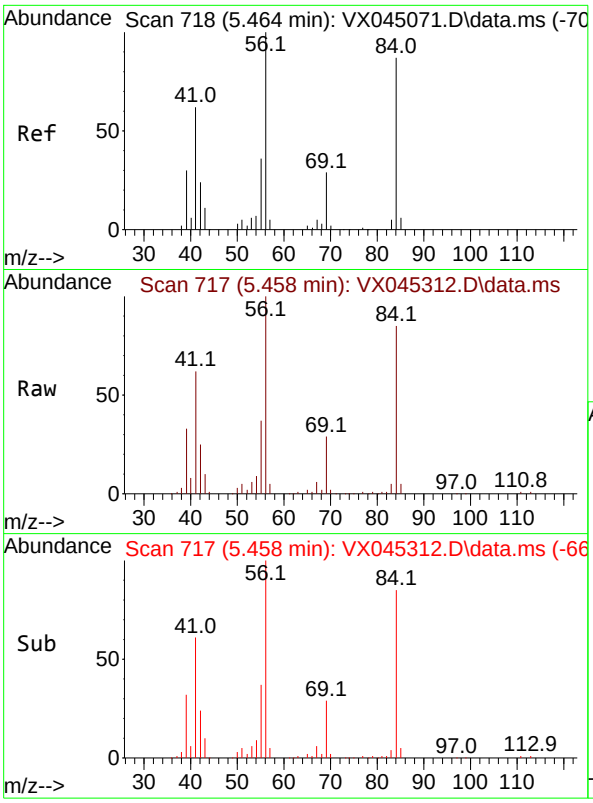


#30
Chloroform
Concen: 49.301 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 83 Resp: 121902

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2





#31
Cyclohexane
Concen: 46.918 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

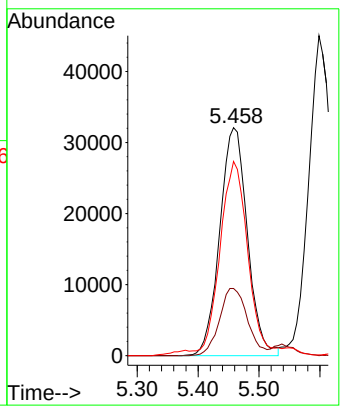
Tgt Ion: 56 Resp: 10135

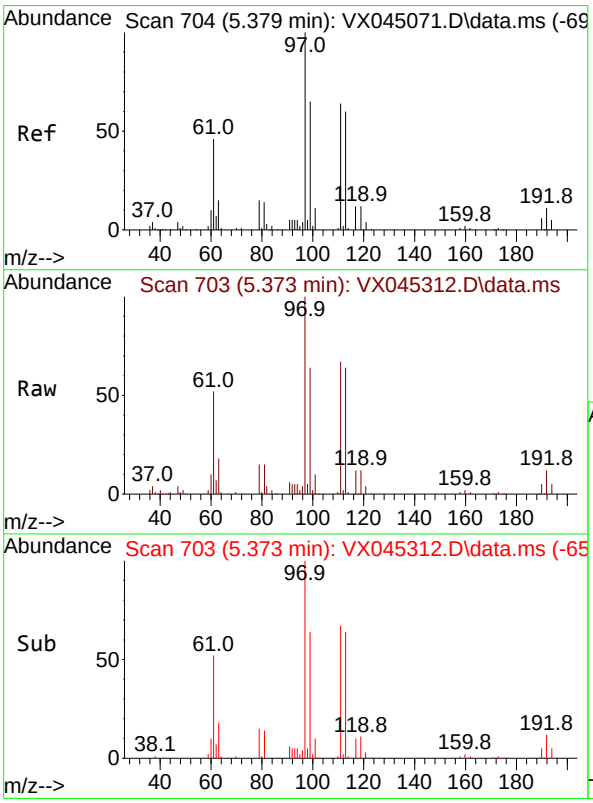
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.2
84	83.5	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

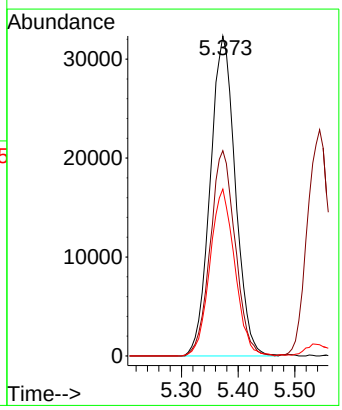


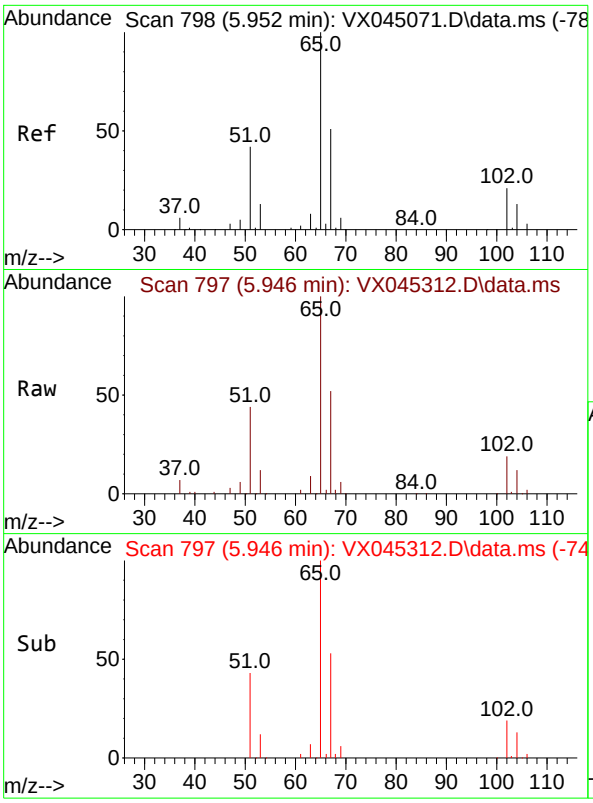


#32
1,1,1-Trichloroethane
Concen: 49.788 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 97 Resp: 99429

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	51.7	38.4	57.6

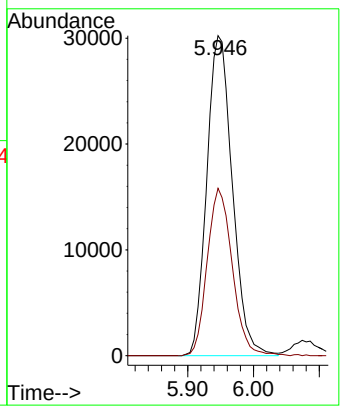




#33
1,2-Dichloroethane-d4
Concen: 51.509 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 65 Resp: 8178

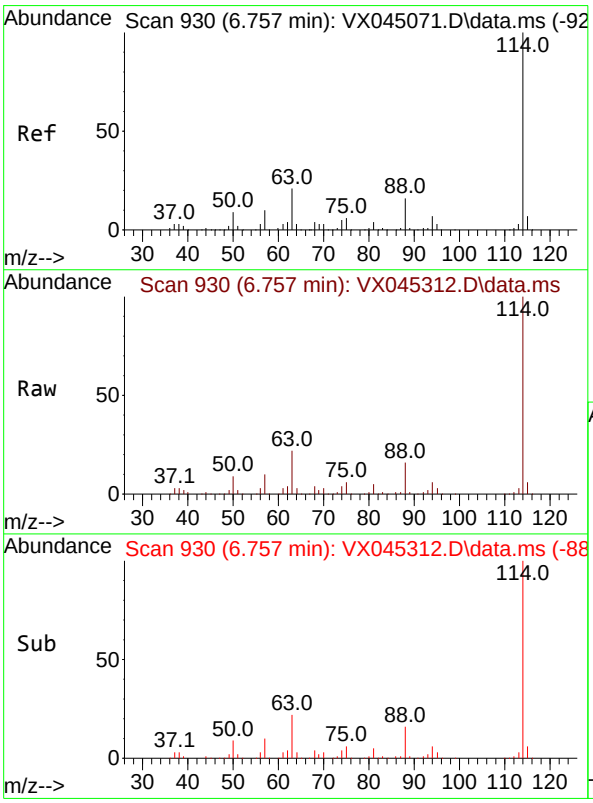
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

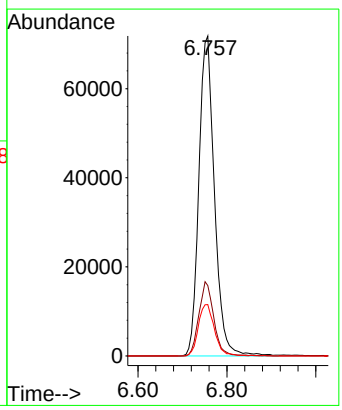
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

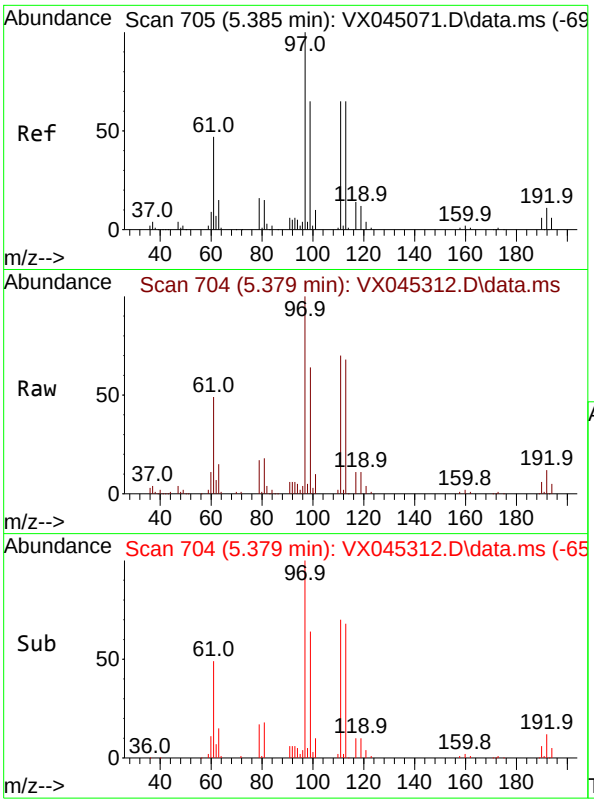


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:114 Resp: 175808

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	16.1	0.0	32.8

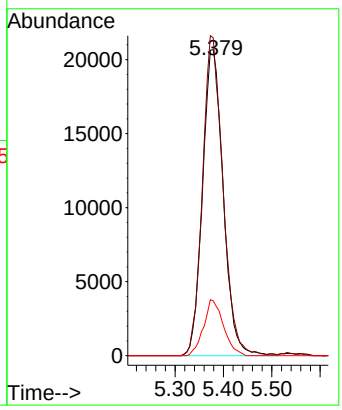




#35
Dibromofluoromethane
Concen: 52.456 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:113 Resp: 6166(

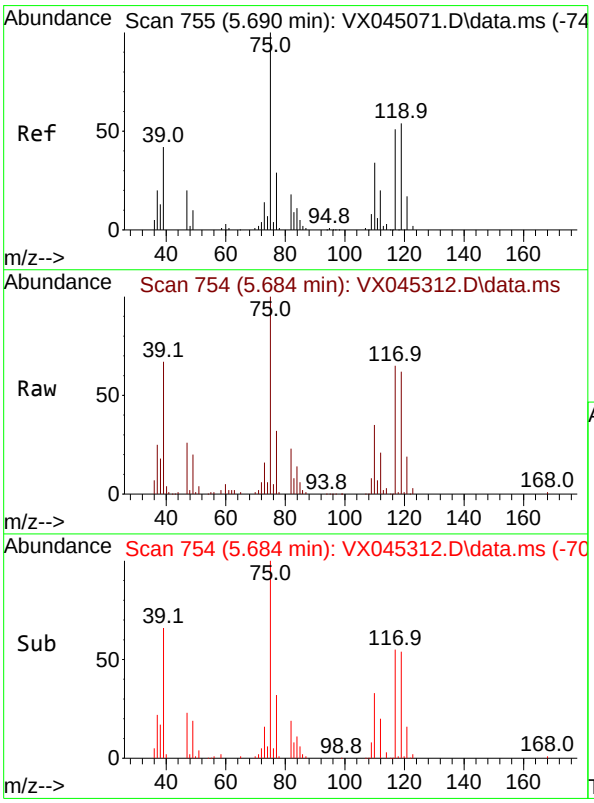
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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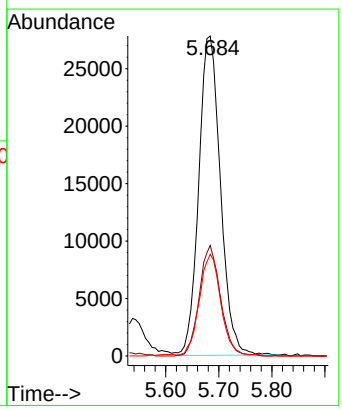
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

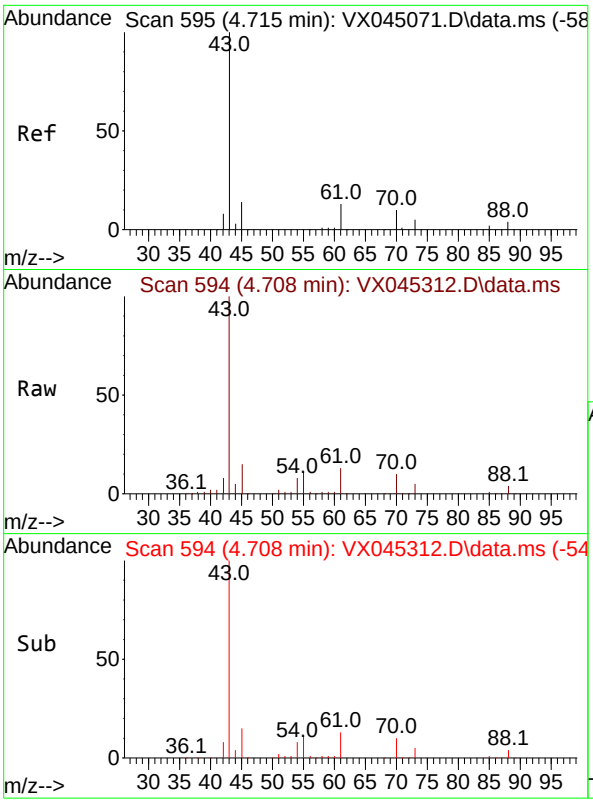


#36
1,1-Dichloropropene
Concen: 49.023 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 79034

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.8	24.5	36.7

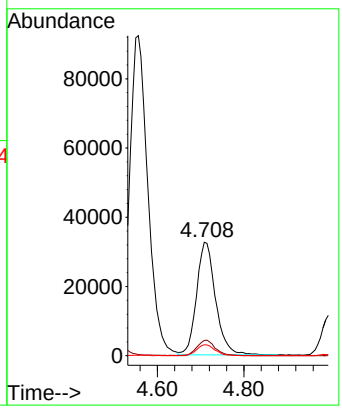




#37
Ethyl Acetate
Concen: 47.814 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 9933

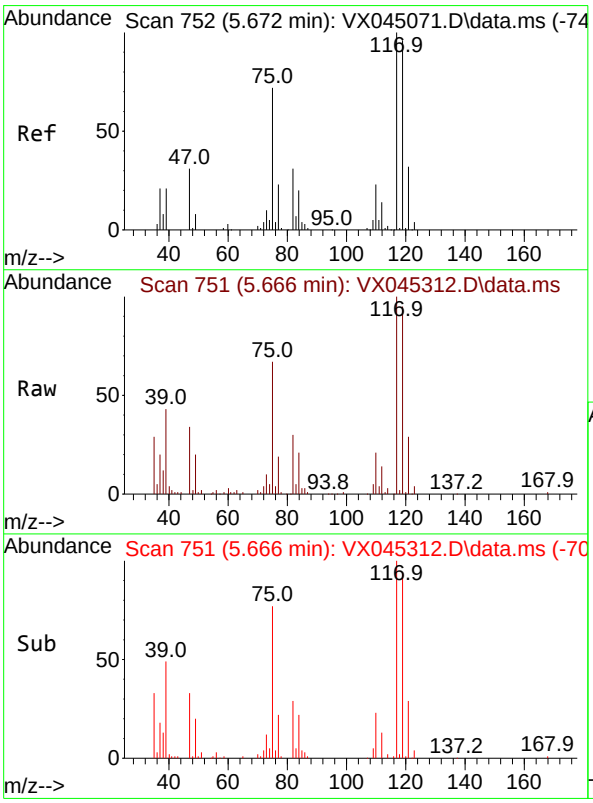
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

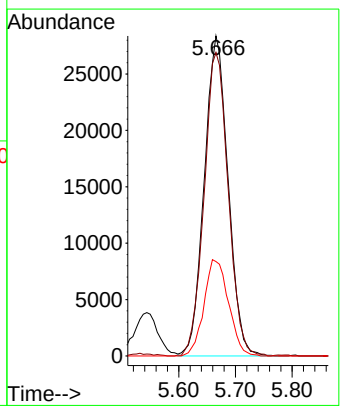
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

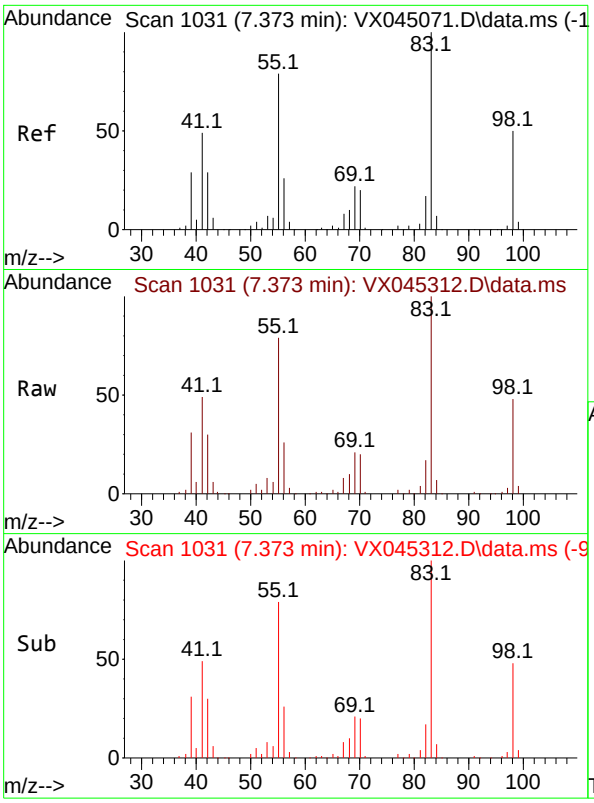


#38
Carbon Tetrachloride
Concen: 50.618 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:117 Resp: 82850

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.7	115.1
121	29.5	25.5	38.3

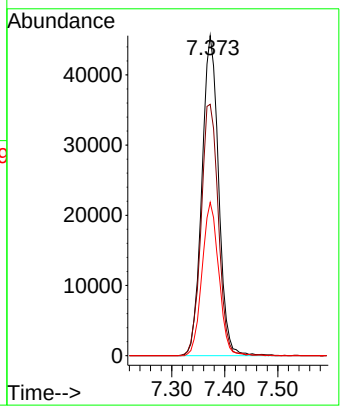




#39
Methylcyclohexane
Concen: 51.720 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 83 Resp: 9991

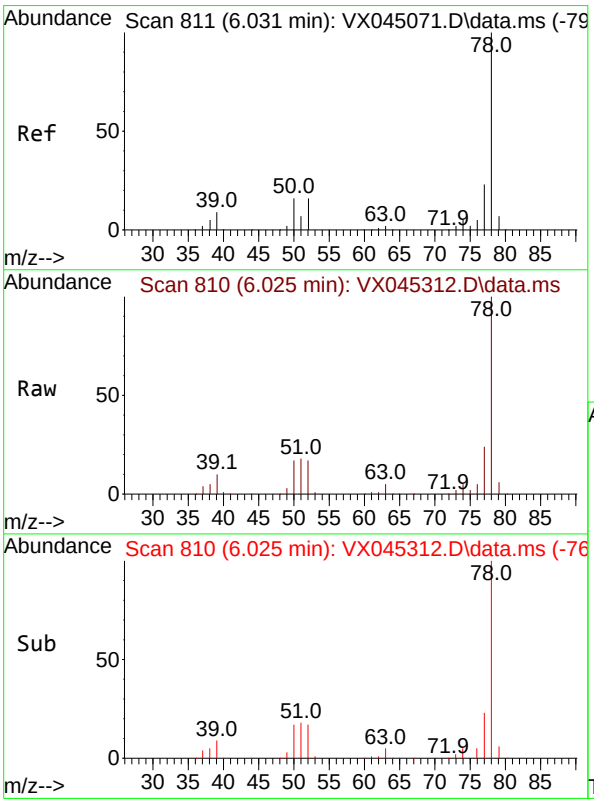
Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

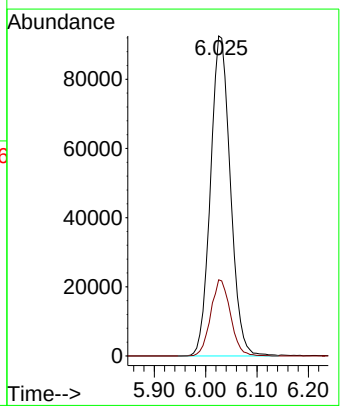
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

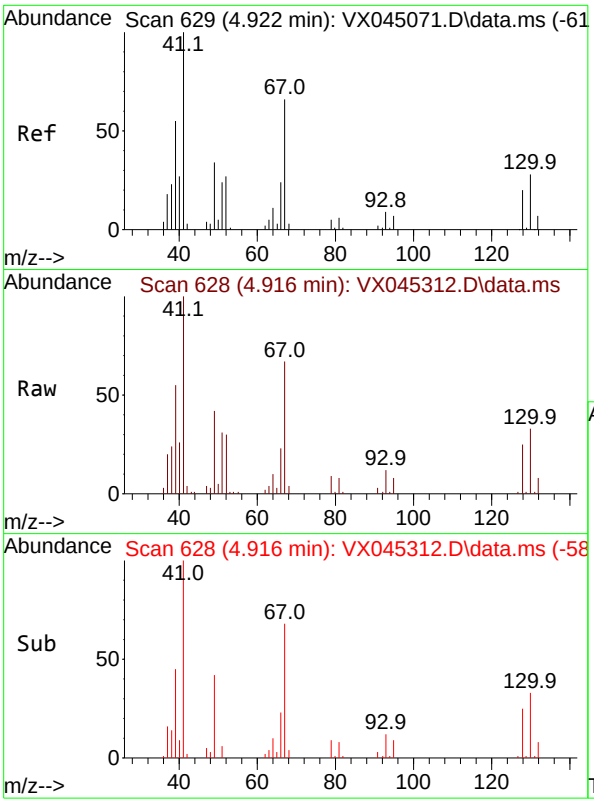


#40
Benzene
Concen: 48.805 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 78 Resp: 248464

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

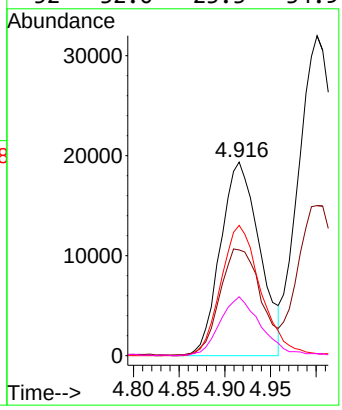




#41
Methacrylonitrile
Concen: 51.464 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 41 Resp: 5780

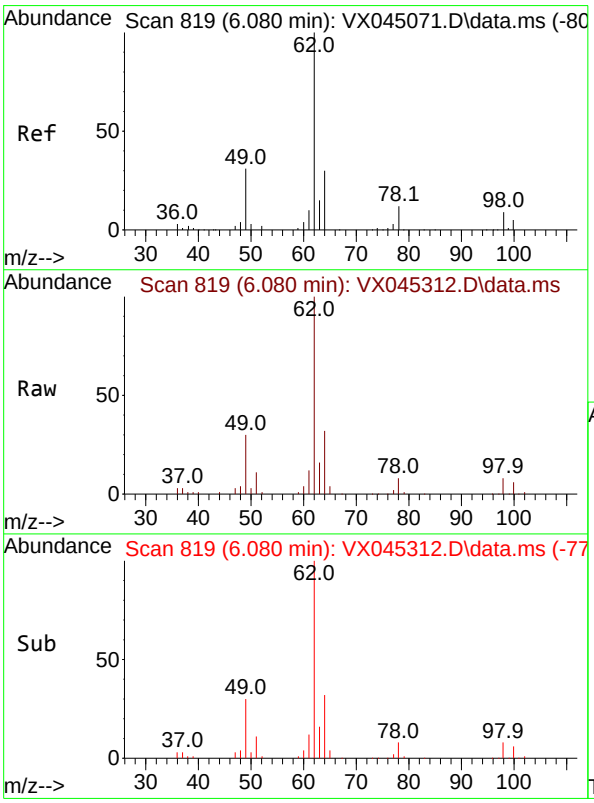
Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.6	67.0
67	68.9	53.9	80.9
52	32.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

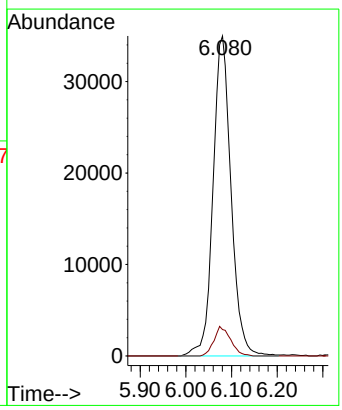
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

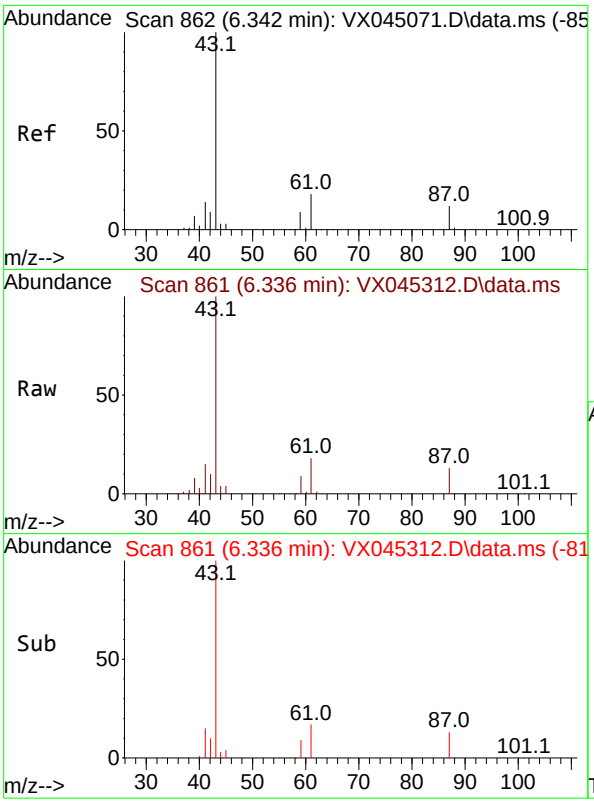


#42
1,2-Dichloroethane
Concen: 52.239 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 62 Resp: 95767

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

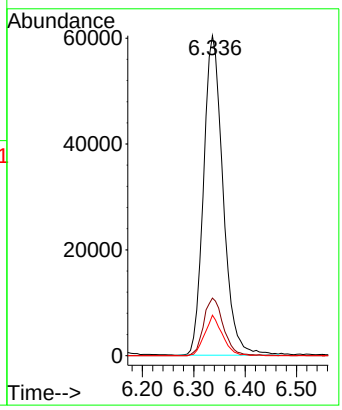




#43
Isopropyl Acetate
Concen: 51.656 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 15868

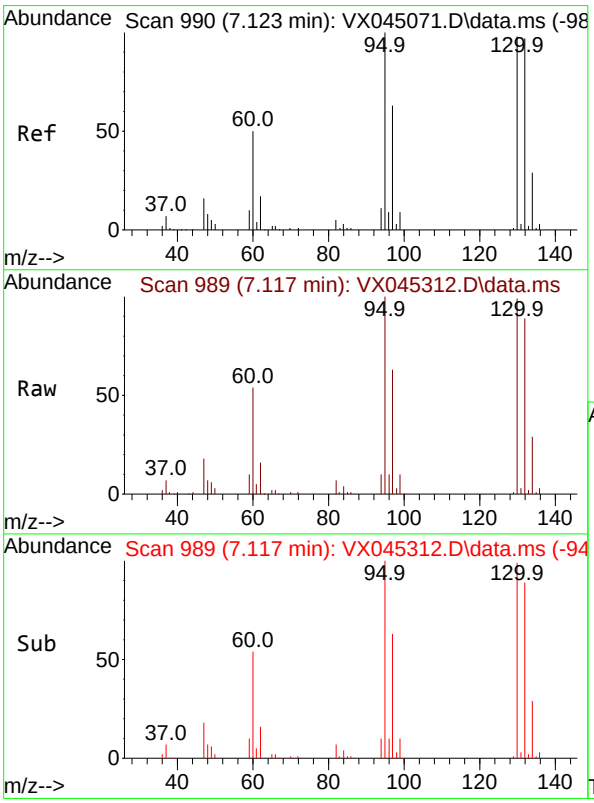
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

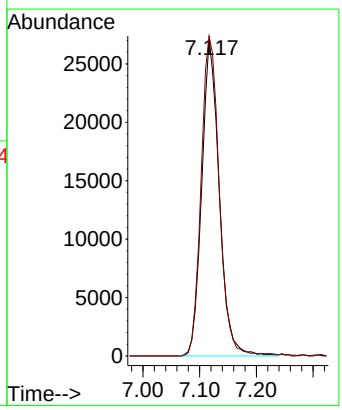
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

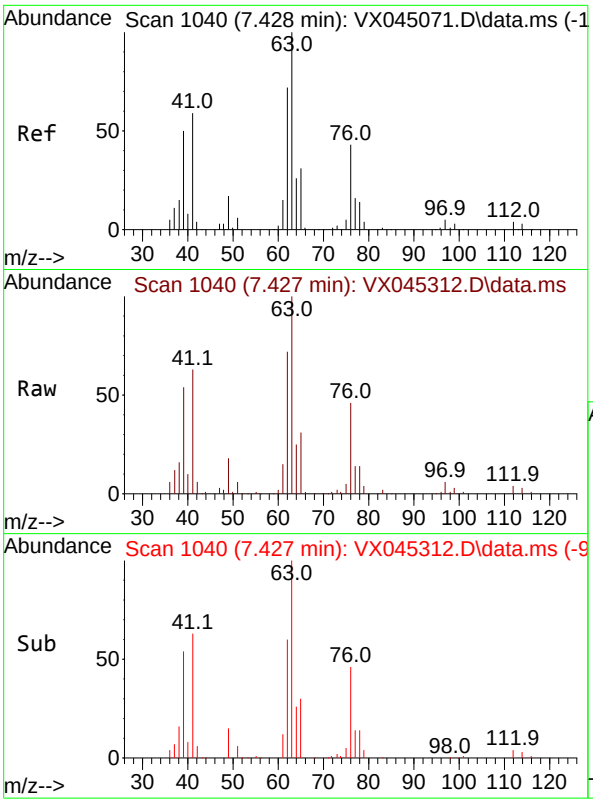


#44
Trichloroethene
Concen: 48.376 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:130 Resp: 57829

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.0

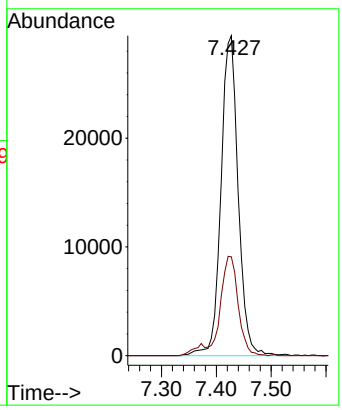




#45
1,2-Dichloropropane
Concen: 49.071 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 63 Resp: 6423

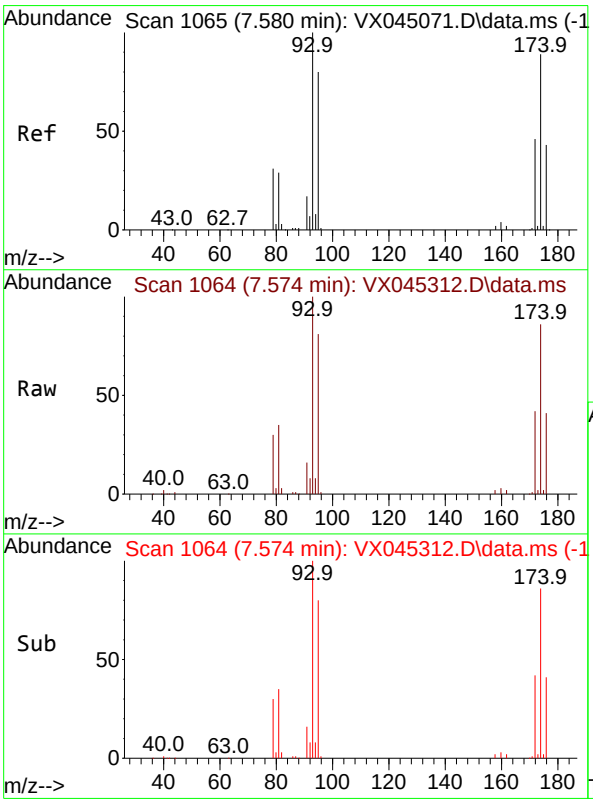
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

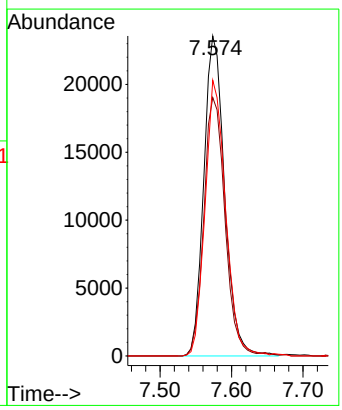
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

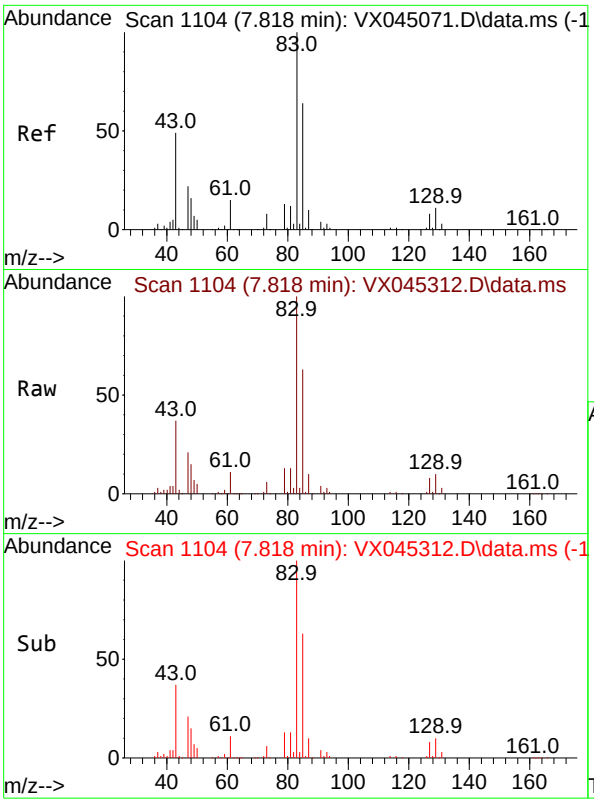


#46
Dibromomethane
Concen: 51.526 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 93 Resp: 47670

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	85.2	72.2	108.2

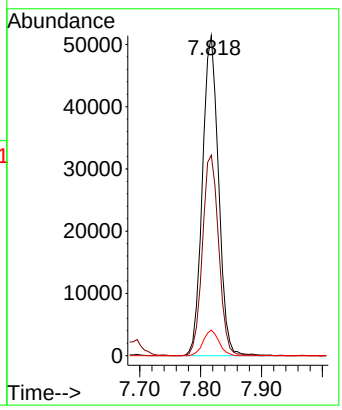




#47
Bromodichloromethane
Concen: 52.012 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 83 Resp: 9438

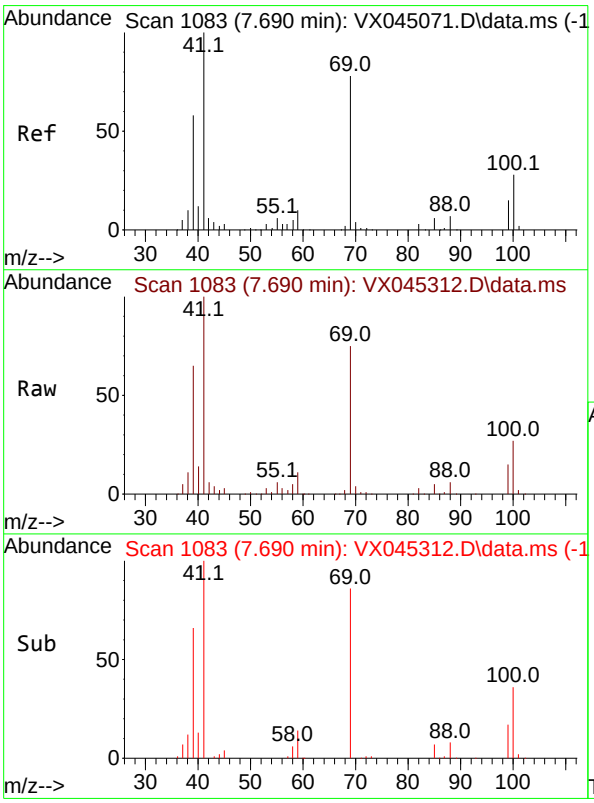
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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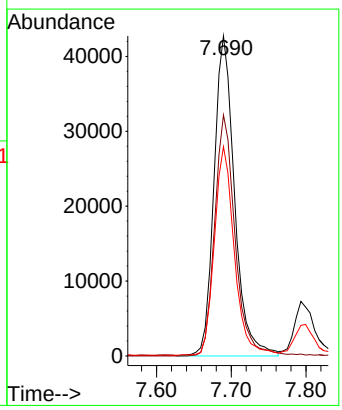
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

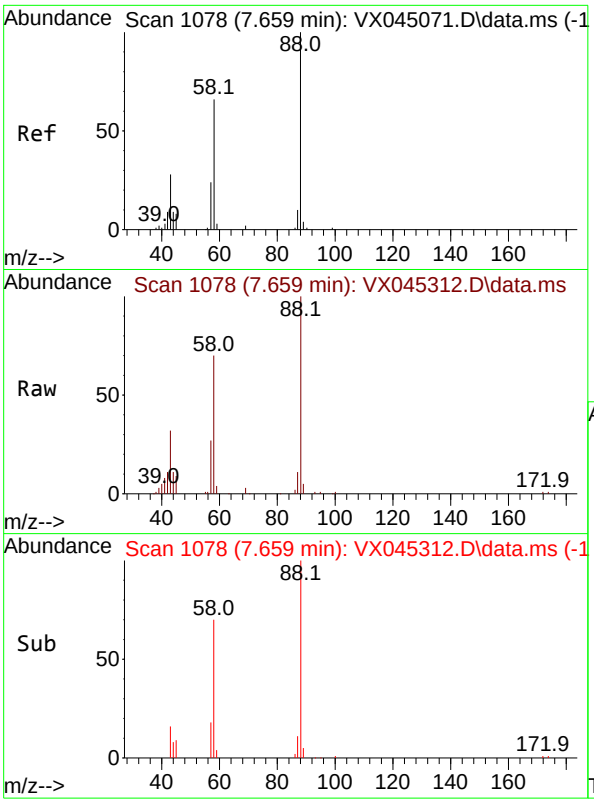


#48
Methyl methacrylate
Concen: 53.109 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 41 Resp: 81849

Ion	Ratio	Lower	Upper
41	100		
69	75.3	63.0	94.6
39	63.4	47.5	71.3





#49
1,4-Dioxane
Concen: 907.231 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

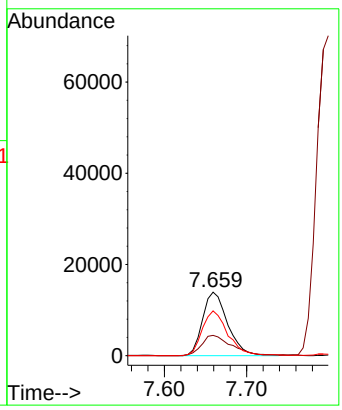
Tgt Ion: 88 Resp: 2949

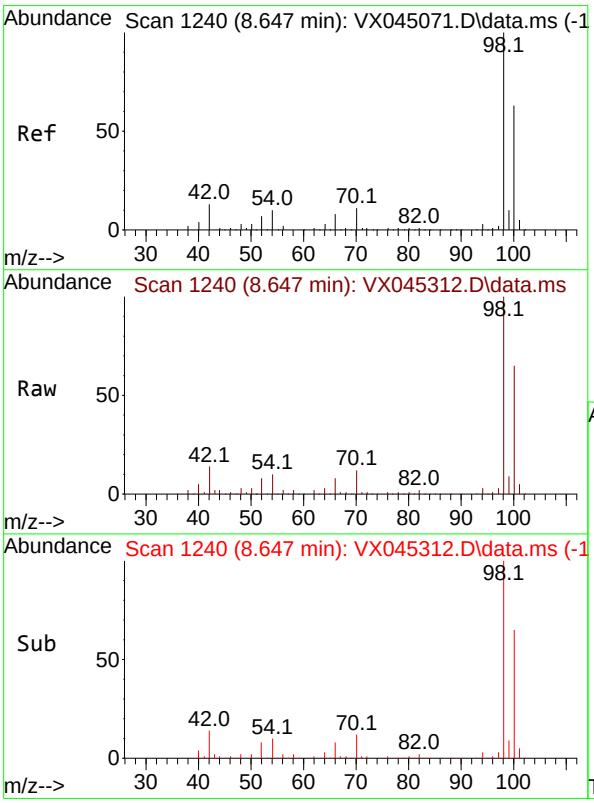
Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.7	43.1
58	72.7	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

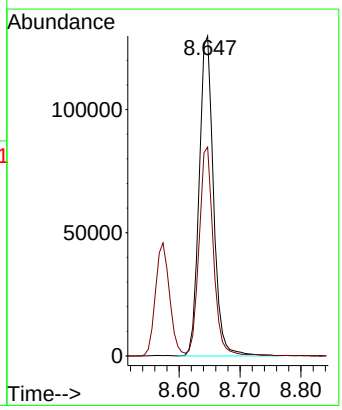


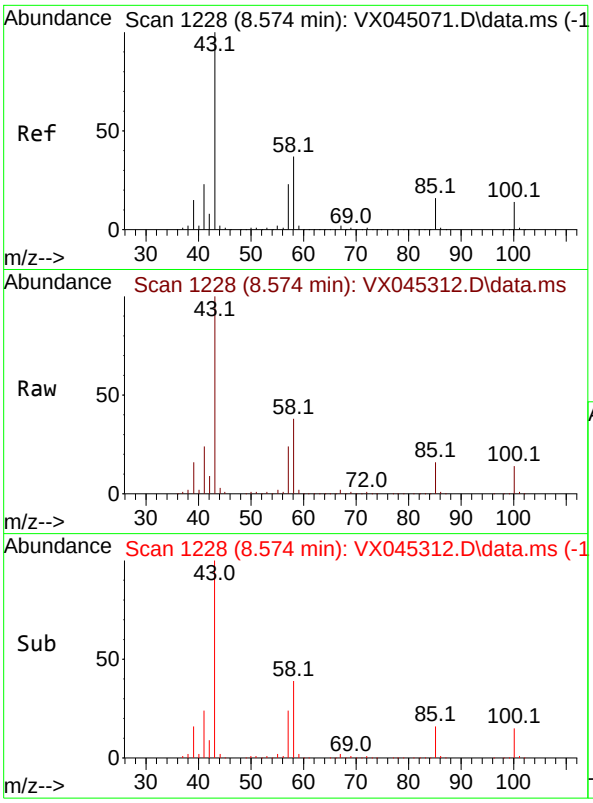


#50
Toluene-d8
Concen: 49.996 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 98 Resp: 213078

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

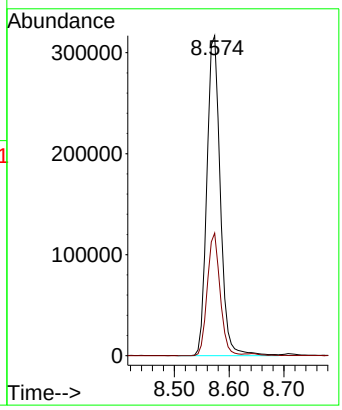




#51
4-Methyl-2-Pentanone
Concen: 259.644 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 53554

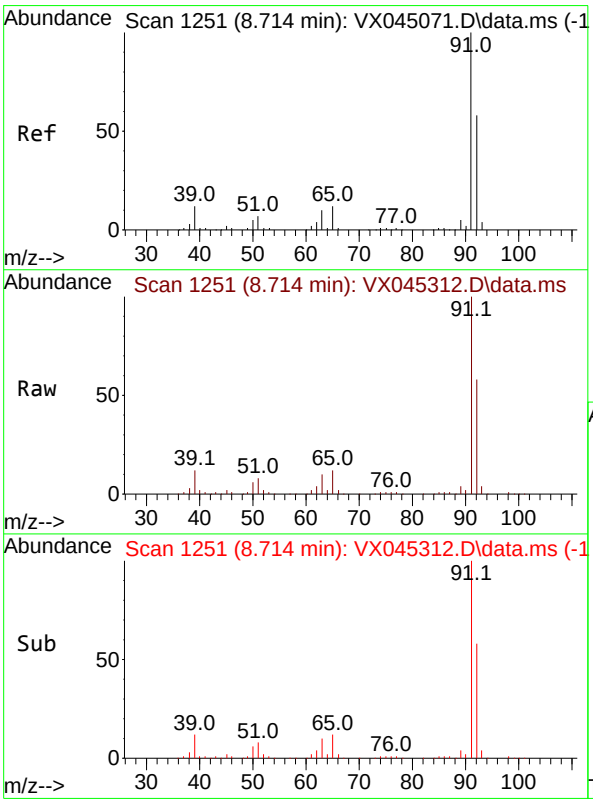
Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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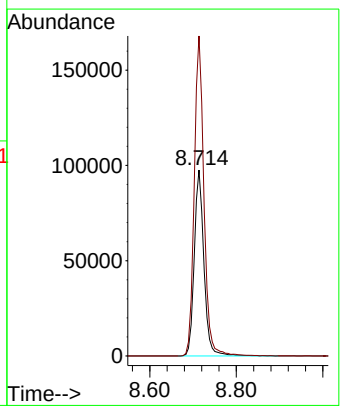
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

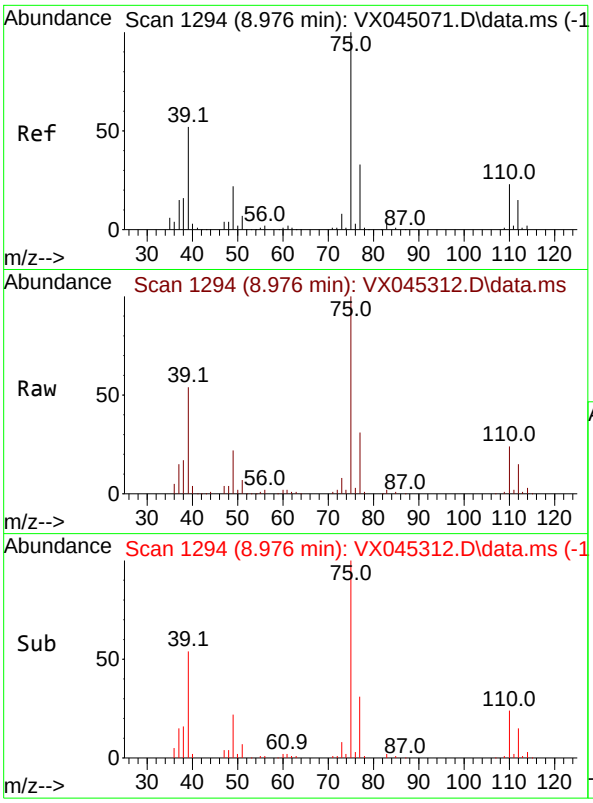


#52
Toluene
Concen: 50.515 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 92 Resp: 150886

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.9	208.3

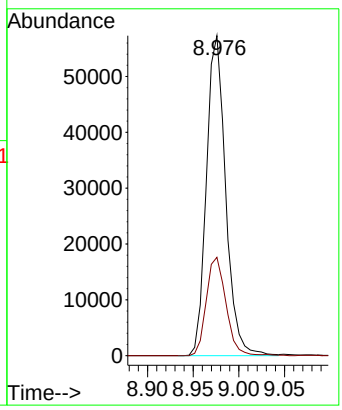




#53
t-1,3-Dichloropropene
Concen: 55.465 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 8414

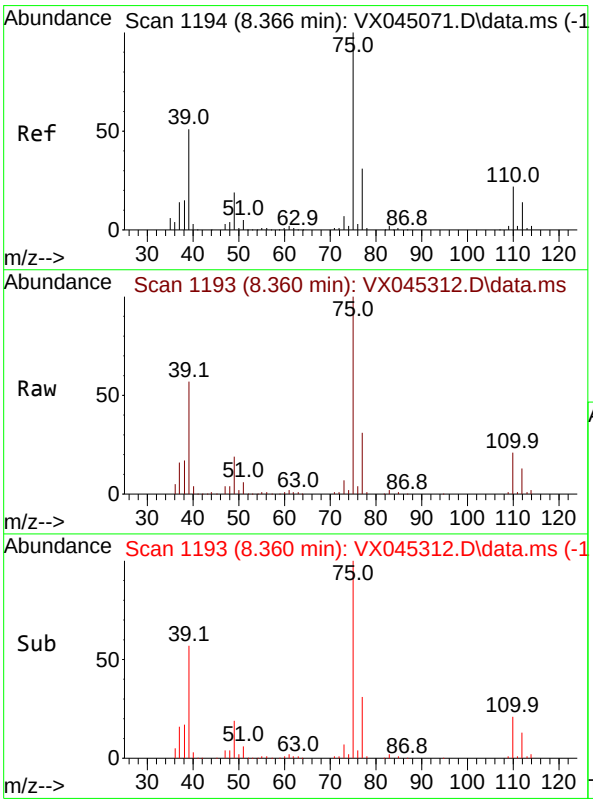
Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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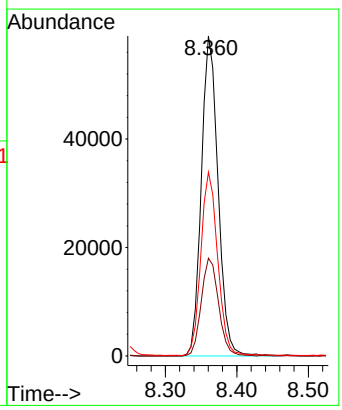
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

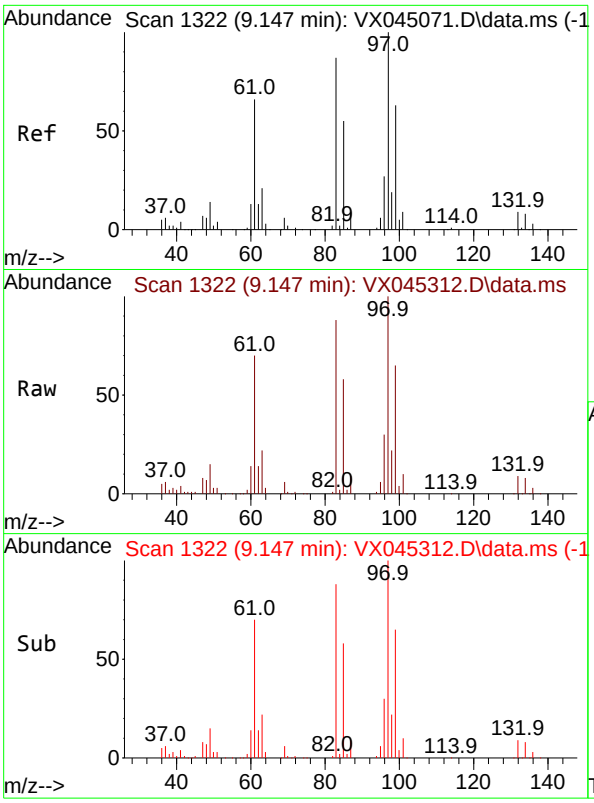


#54
cis-1,3-Dichloropropene
Concen: 54.190 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 95867

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	57.3	40.7	61.1

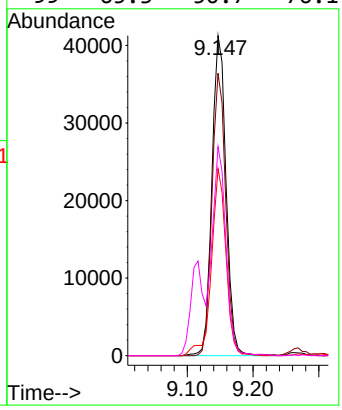




#55
1,1,2-Trichloroethane
Concen: 50.360 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 97 Resp: 6192

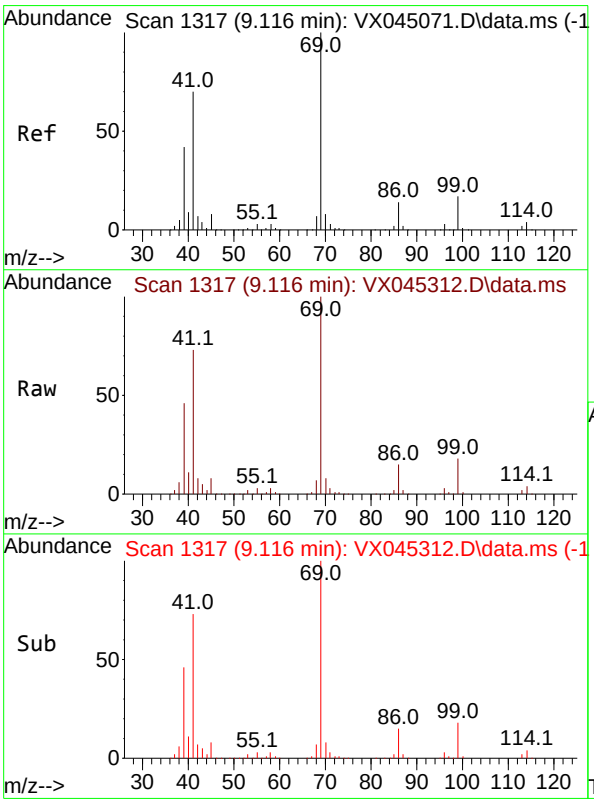
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	58.5	44.1	66.1
99	65.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

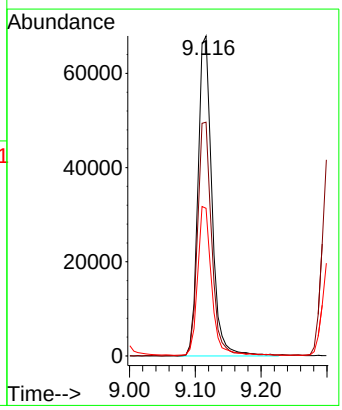
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

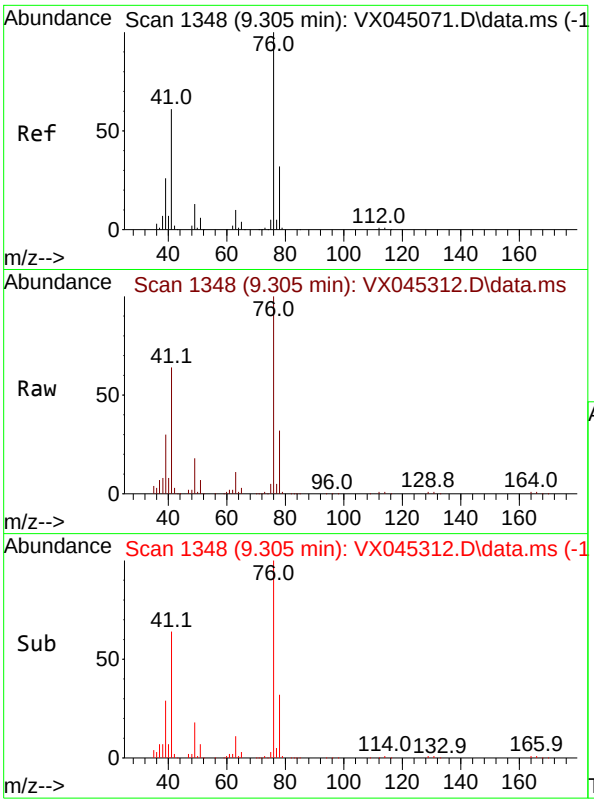


#56
Ethyl methacrylate
Concen: 53.664 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 69 Resp: 100306

Ion	Ratio	Lower	Upper
69	100		
41	74.1	57.0	85.4
39	46.7	34.2	51.4





#57
1,3-Dichloropropane
Concen: 50.198 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

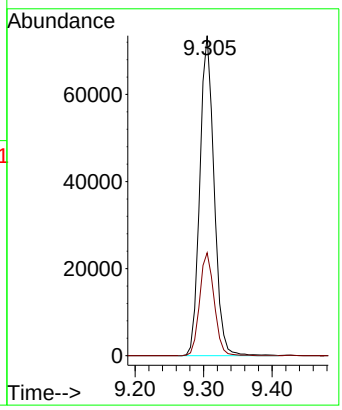
Tgt Ion: 76 Resp: 10682

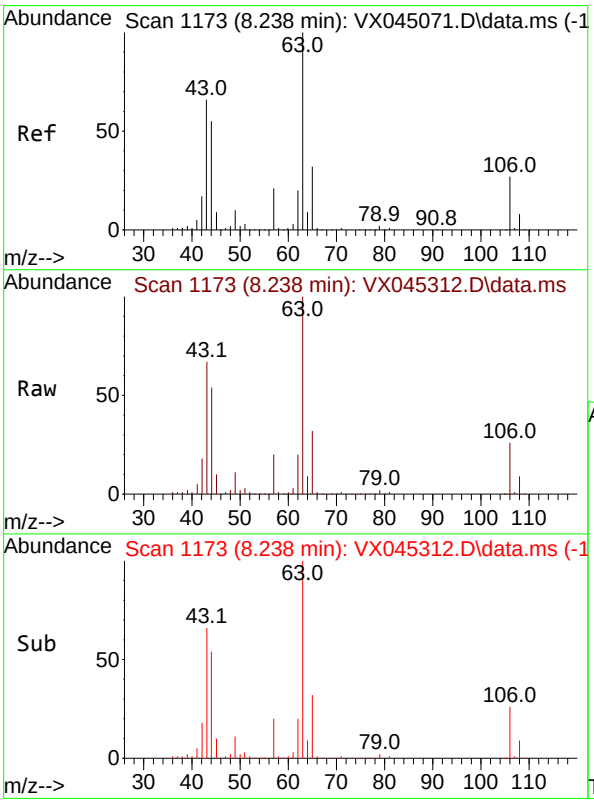
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

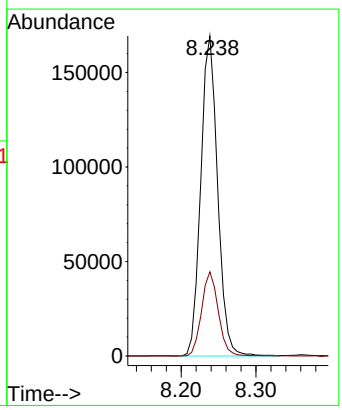


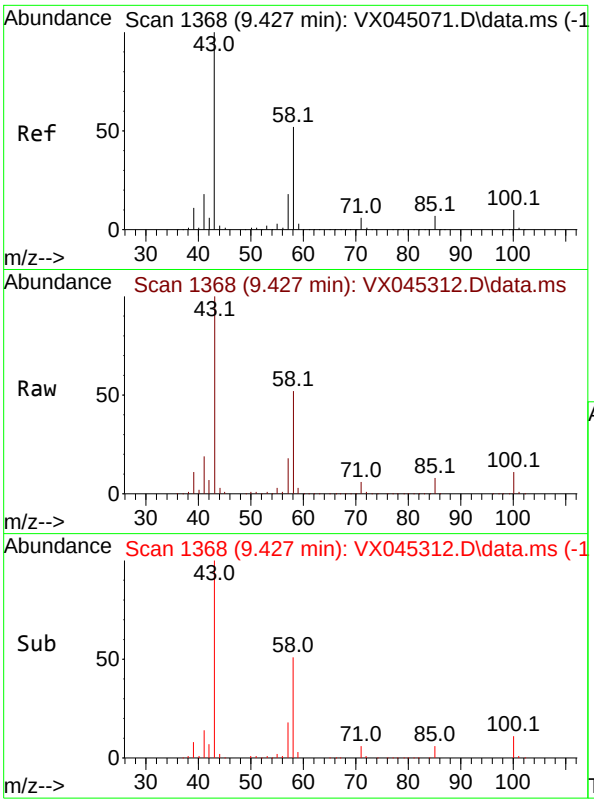


#58
2-Chloroethyl Vinyl ether
Concen: 290.649 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 63 Resp: 265011

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3

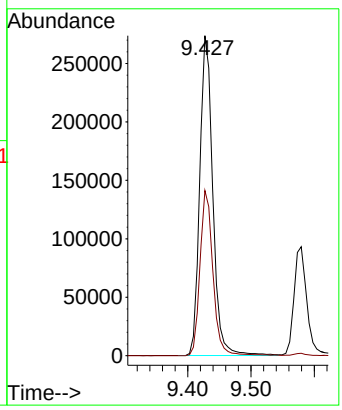




#59
2-Hexanone
Concen: 263.820 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 39426

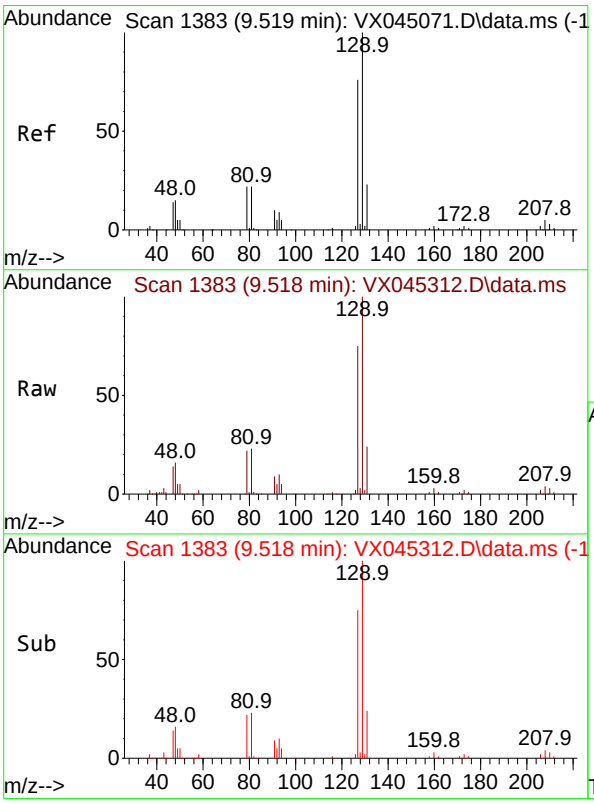
Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

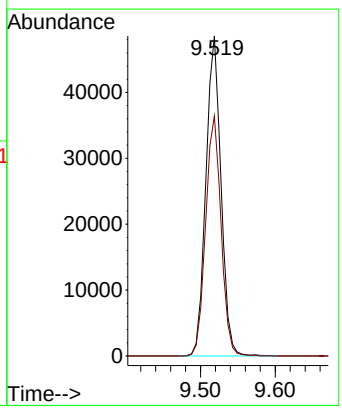
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

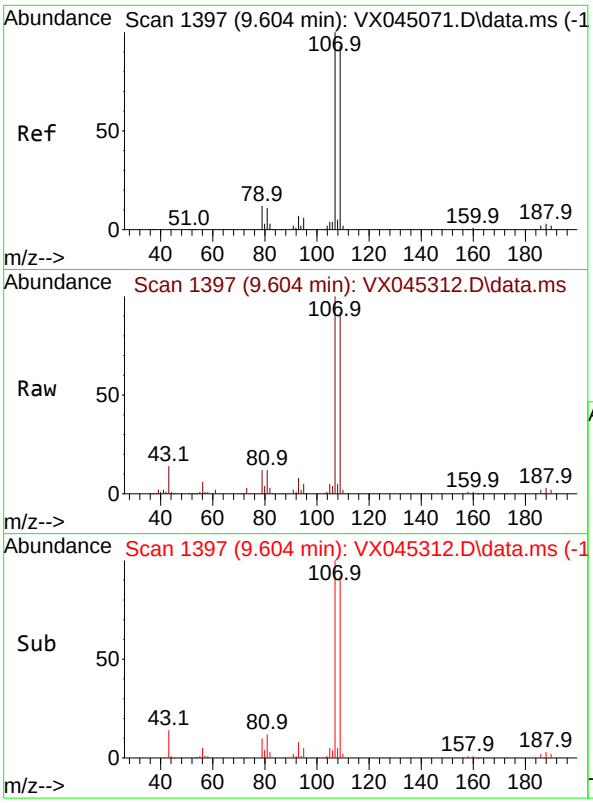


#60
Dibromochloromethane
Concen: 53.043 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:129 Resp: 68198

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5

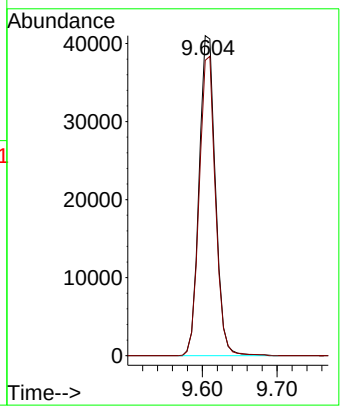




#61
1,2-Dibromoethane
Concen: 50.415 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:107 Resp: 6188

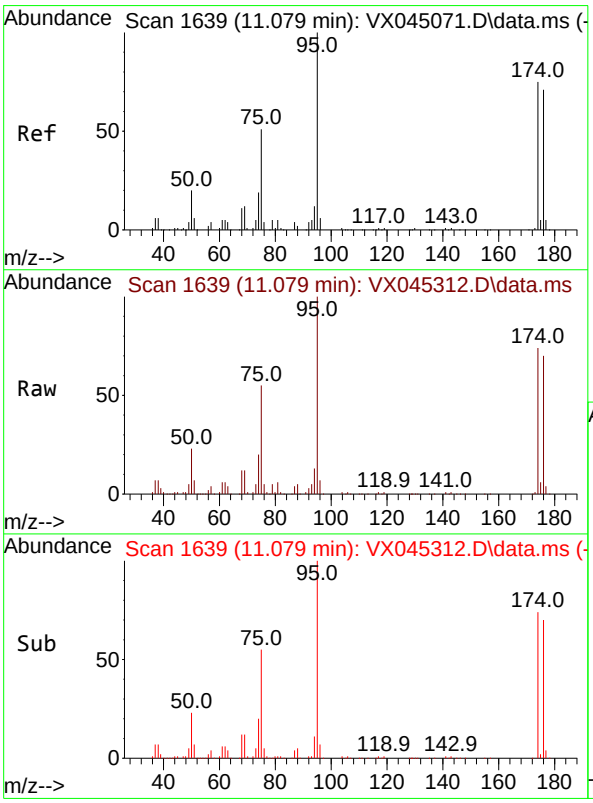
Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

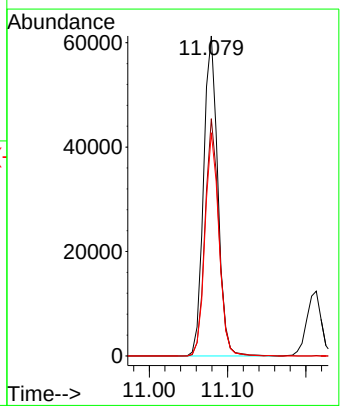
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

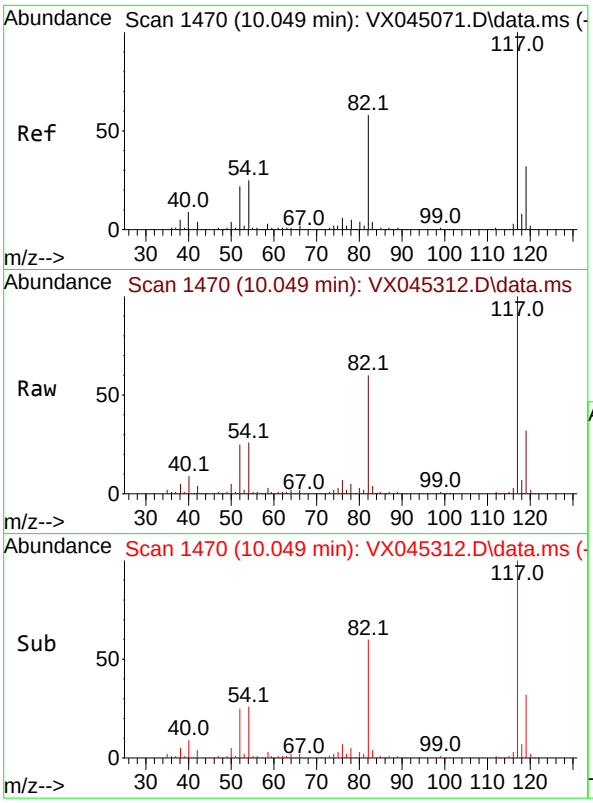


#62
4-Bromofluorobenzene
Concen: 54.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 95 Resp: 77049

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.2
176	68.3	0.0	141.4

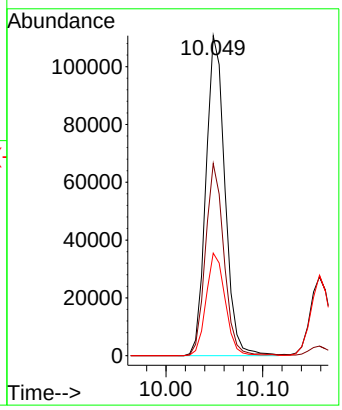




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:117 Resp: 15137

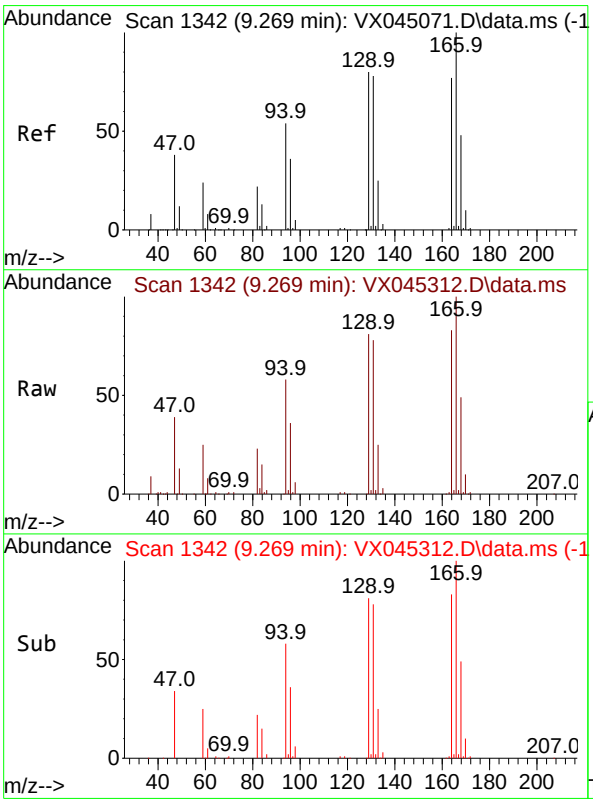
Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

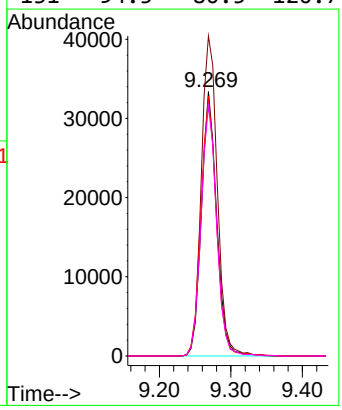
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

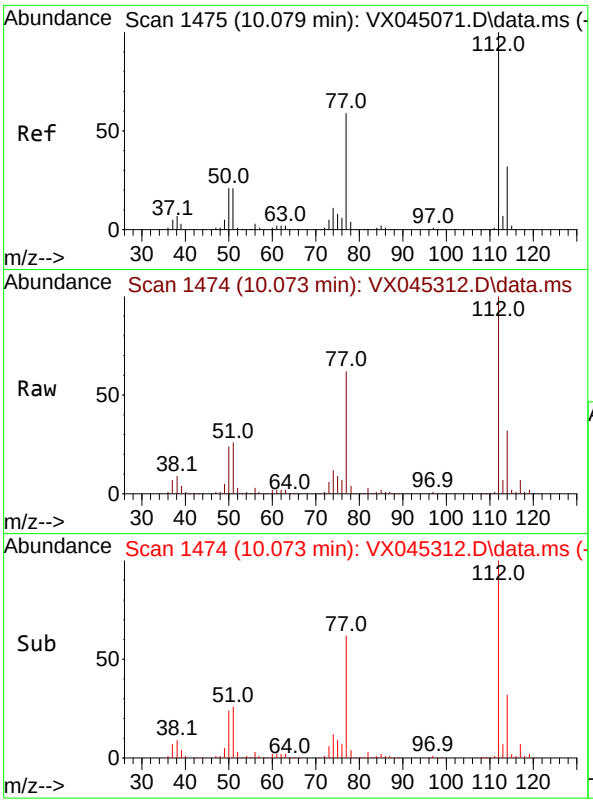


#64
Tetrachloroethene
Concen: 51.098 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:164 Resp: 49539

Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.6	155.4
129	98.2	82.7	124.1
131	94.5	80.5	120.7

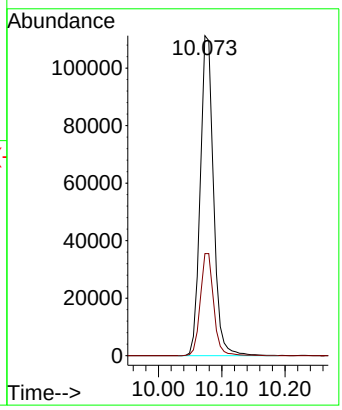




#65
Chlorobenzene
Concen: 50.822 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:112 Resp: 16278

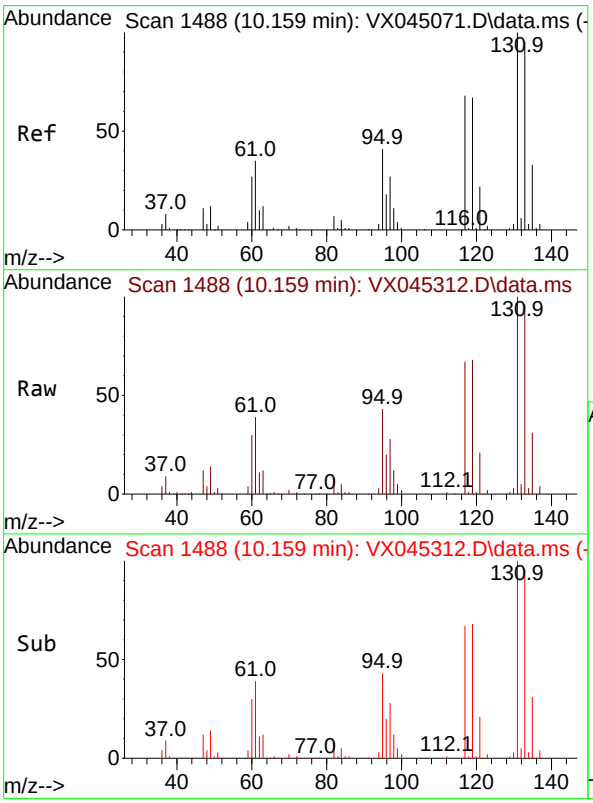
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

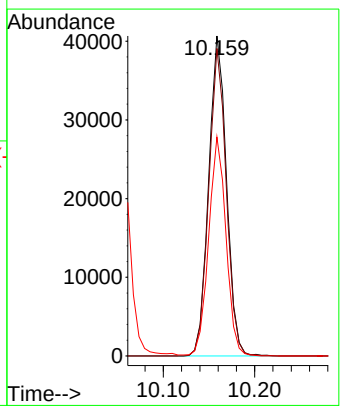
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

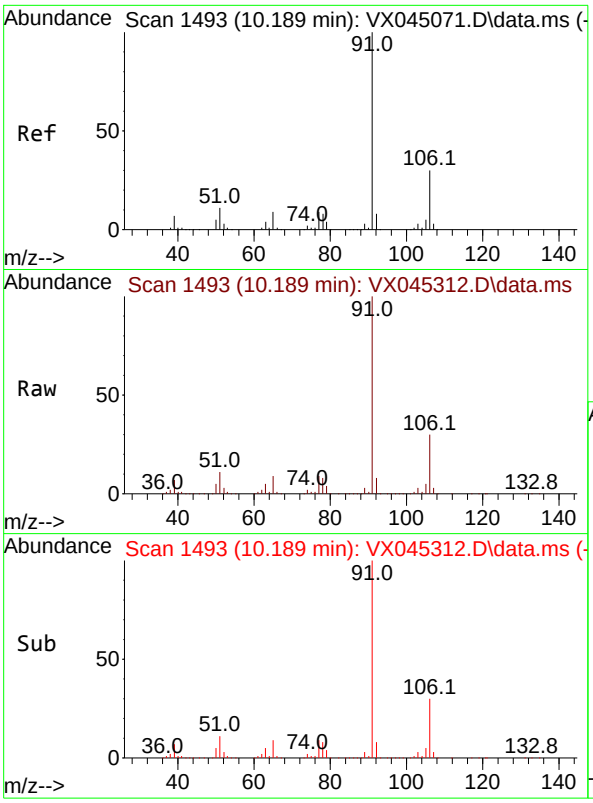


#66
1,1,1,2-Tetrachloroethane
Concen: 51.552 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:131 Resp: 54990

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	66.7	33.9	101.7

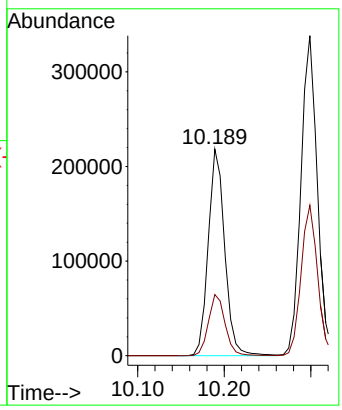




#67
Ethyl Benzene
Concen: 51.743 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 28878

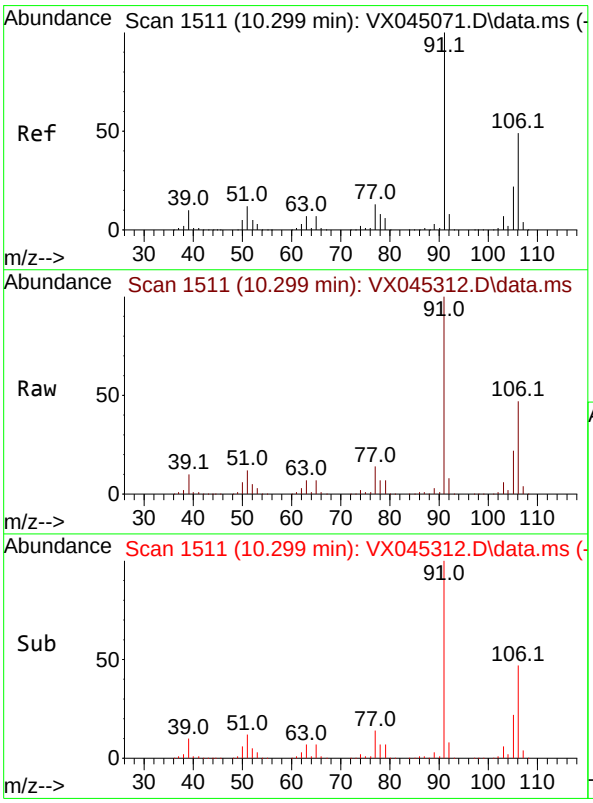
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

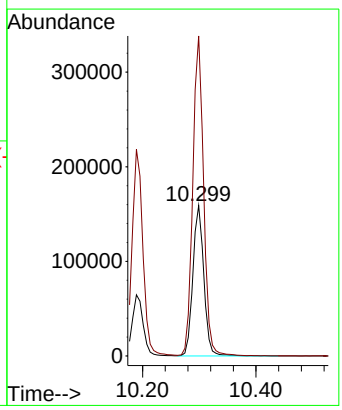
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

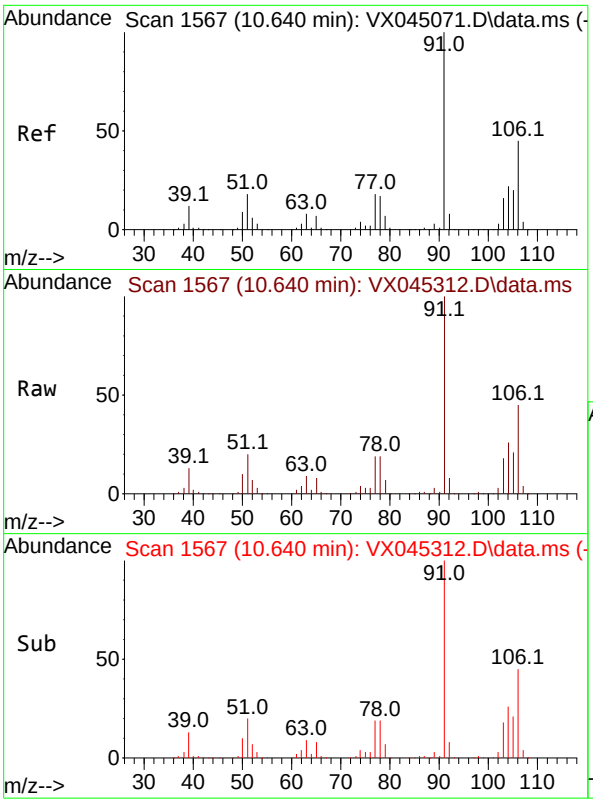


#68
m/p-Xylenes
Concen: 104.167 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:106 Resp: 212826

Ion	Ratio	Lower	Upper
106	100		
91	210.5	165.4	248.0

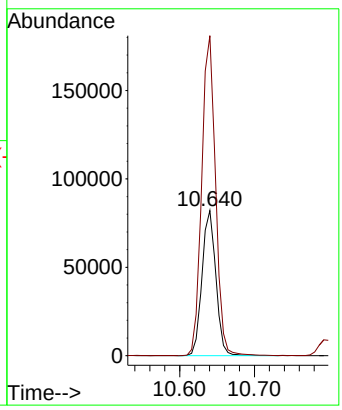




#69
o-Xylene
Concen: 51.291 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:106 Resp: 10569

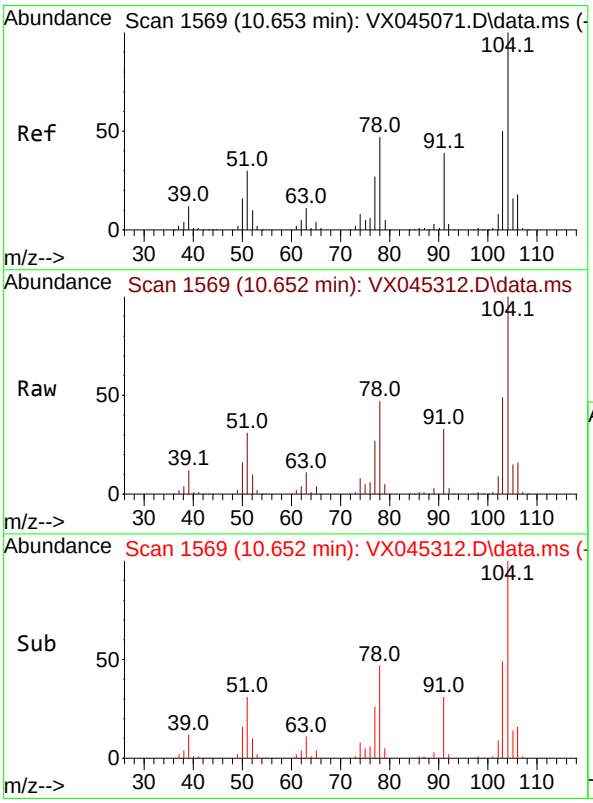
Ion	Ratio	Lower	Upper
106	100		
91	220.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

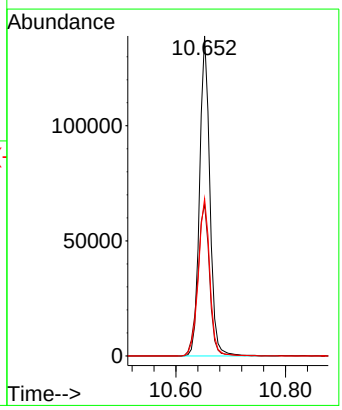
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

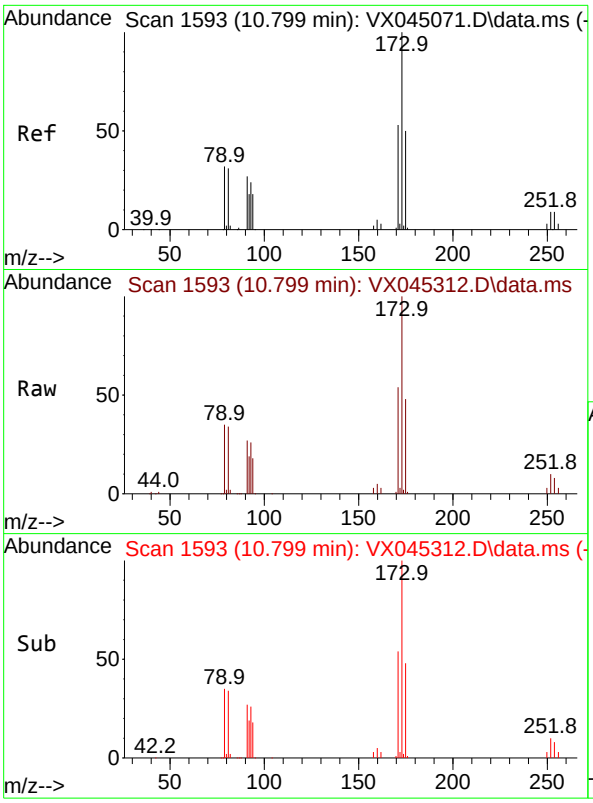


#70
Styrene
Concen: 54.166 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:104 Resp: 180599

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	55.0	43.8	65.8

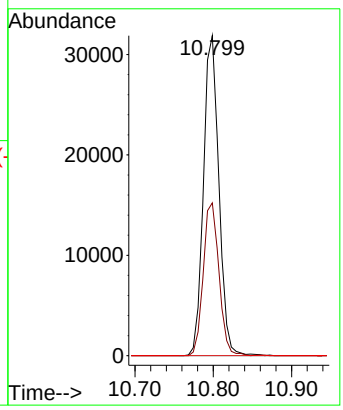




#71
Bromoform
Concen: 54.084 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

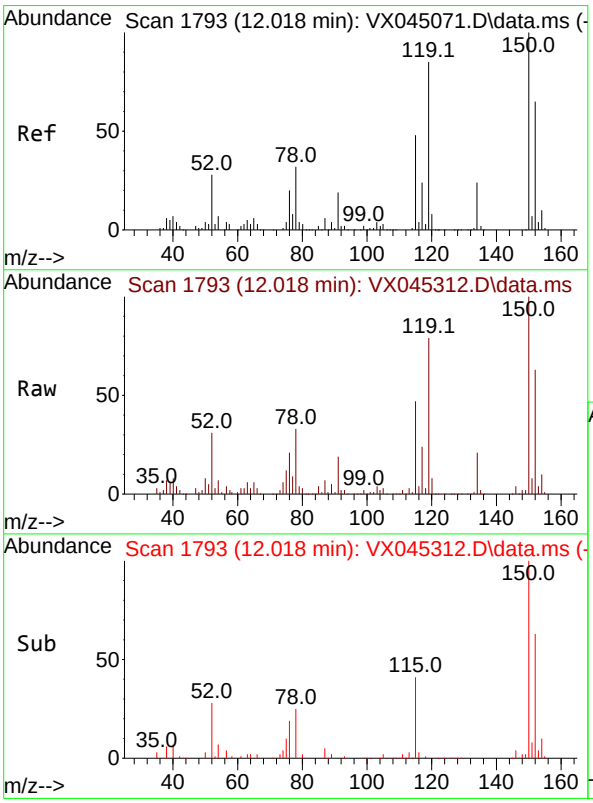
Tgt Ion:173 Resp: 4350

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

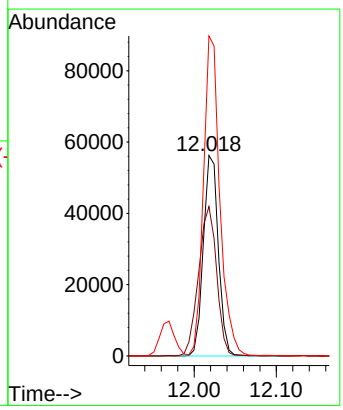
Manual Integrations APPROVED
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

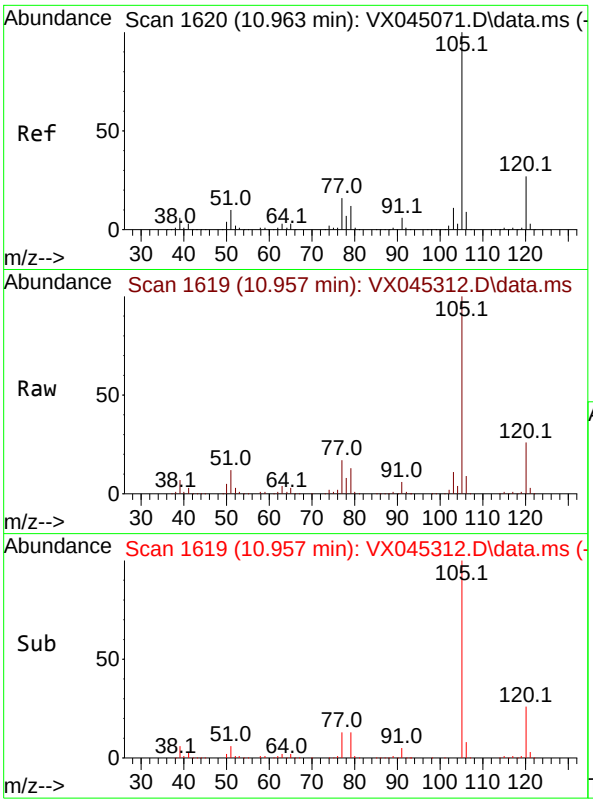


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:152 Resp: 71356

Ion	Ratio	Lower	Upper
152	100		
115	89.8	44.2	132.6
150	173.0	0.0	349.0

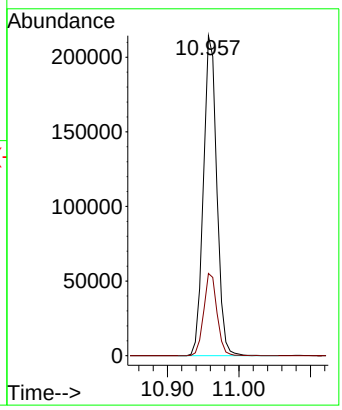




#73
Isopropylbenzene
Concen: 50.023 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 27860

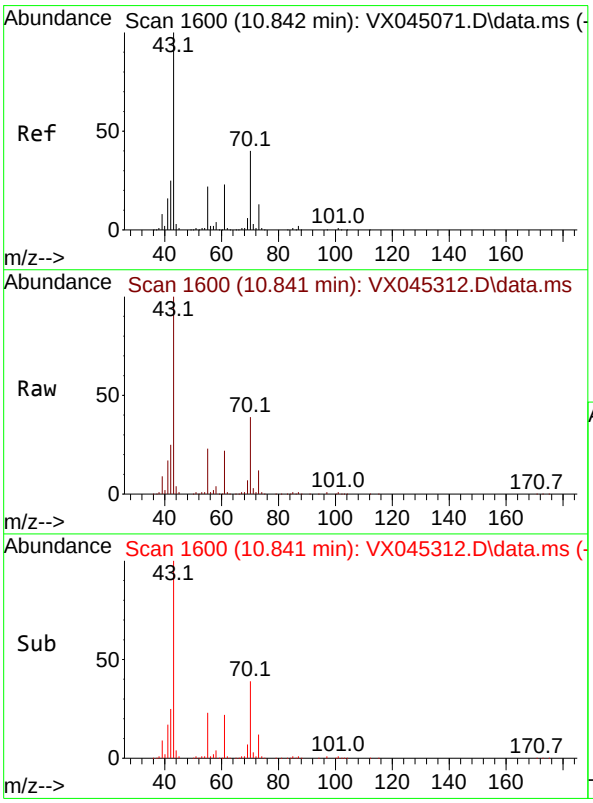
Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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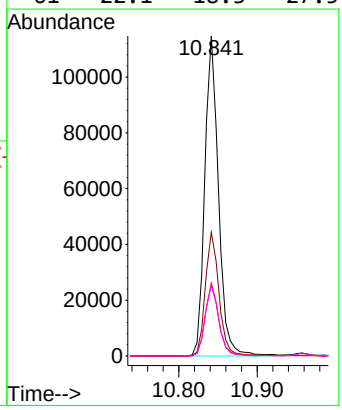
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

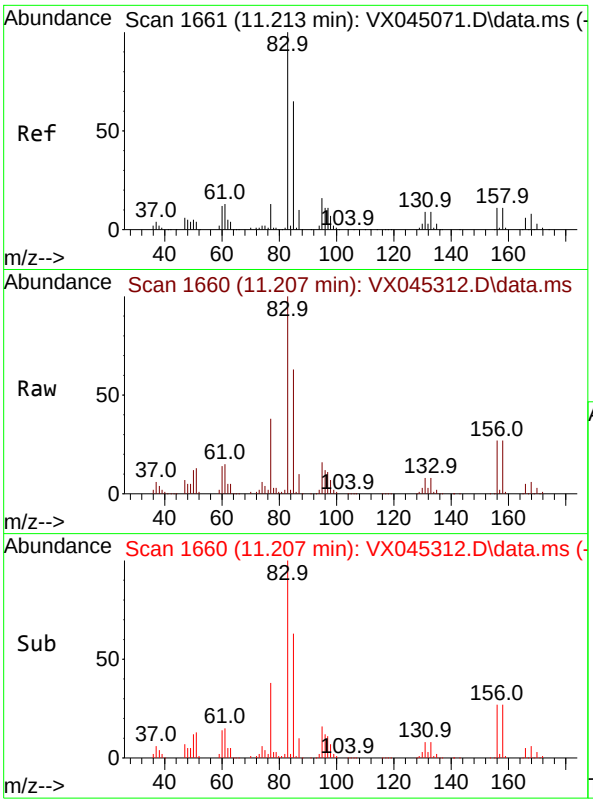


#74
N-amyl acetate
Concen: 53.226 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 139101

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	22.9	18.3	27.5
61	22.1	18.3	27.5

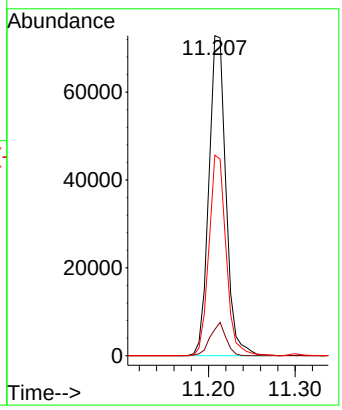




#75
1,1,2,2-Tetrachloroethane
Concen: 48.809 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 83 Resp: 9975

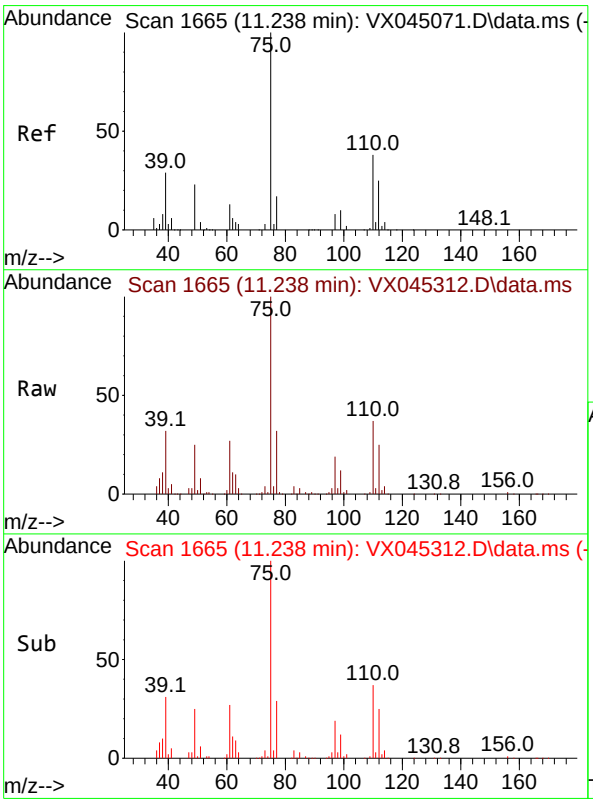
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	62.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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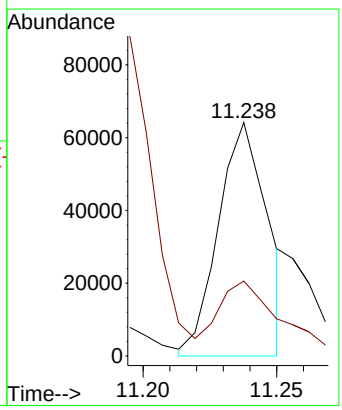
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

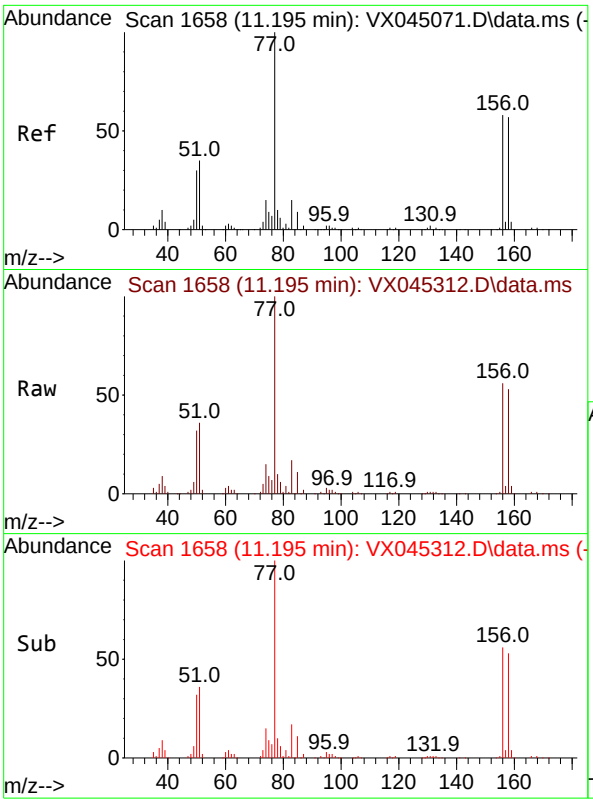


#76
1,2,3-Trichloropropane
Concen: 49.055 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 81471

Ion	Ratio	Lower	Upper
75	100		
77	41.5	20.7	62.1

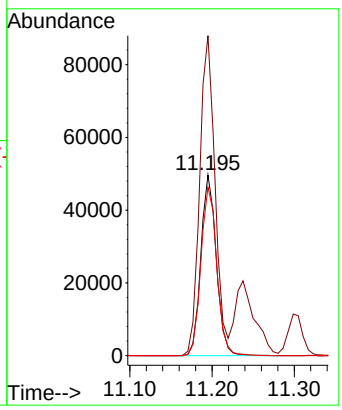




#77
Bromobenzene
Concen: 49.150 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:156 Resp: 6458

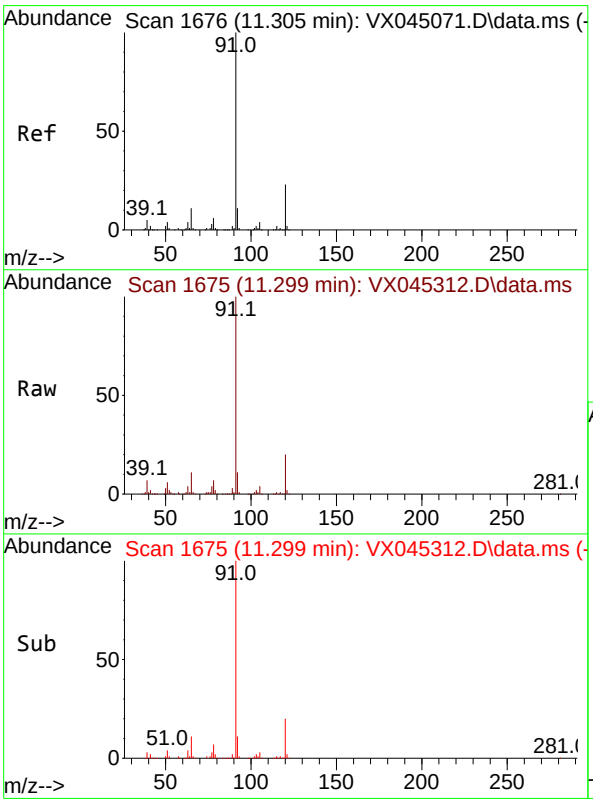
Ion	Ratio	Lower	Upper
156	100		
77	176.3	85.8	257.4
158	96.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

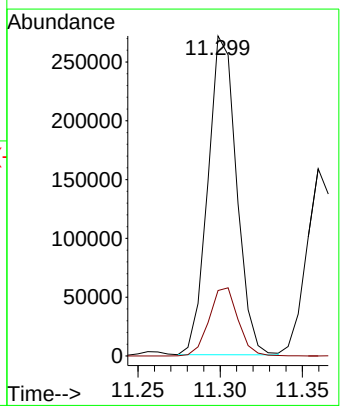
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

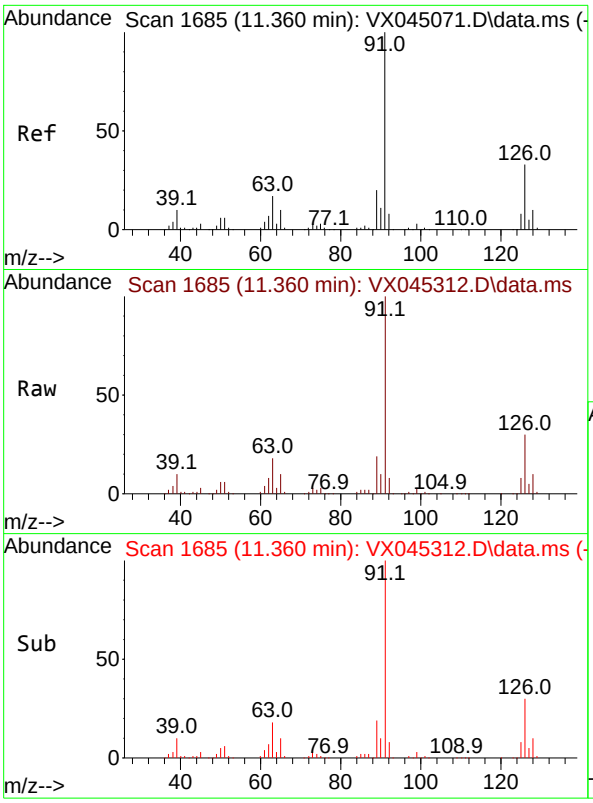


#78
n-propylbenzene
Concen: 52.338 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 329285

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

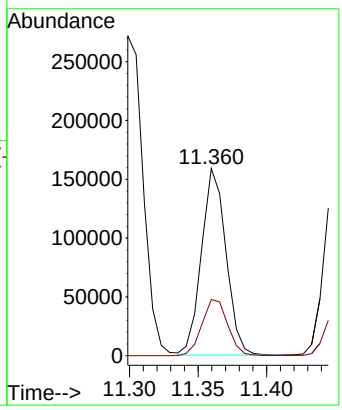




#79
2-Chlorotoluene
Concen: 49.301 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 19754

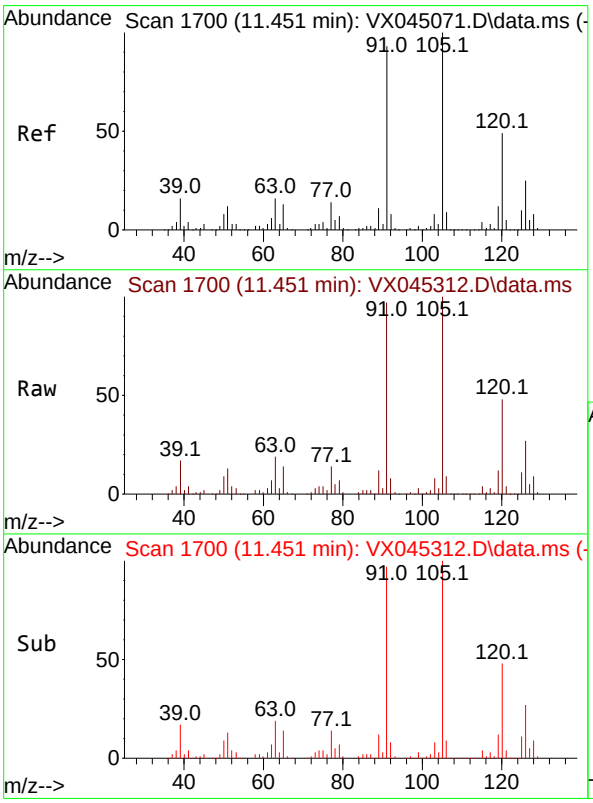
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

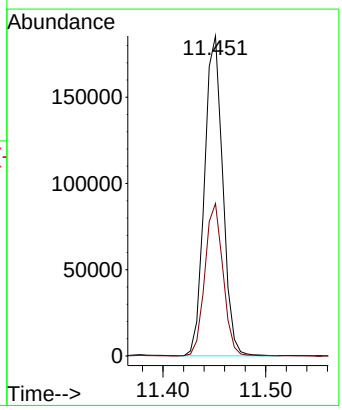
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

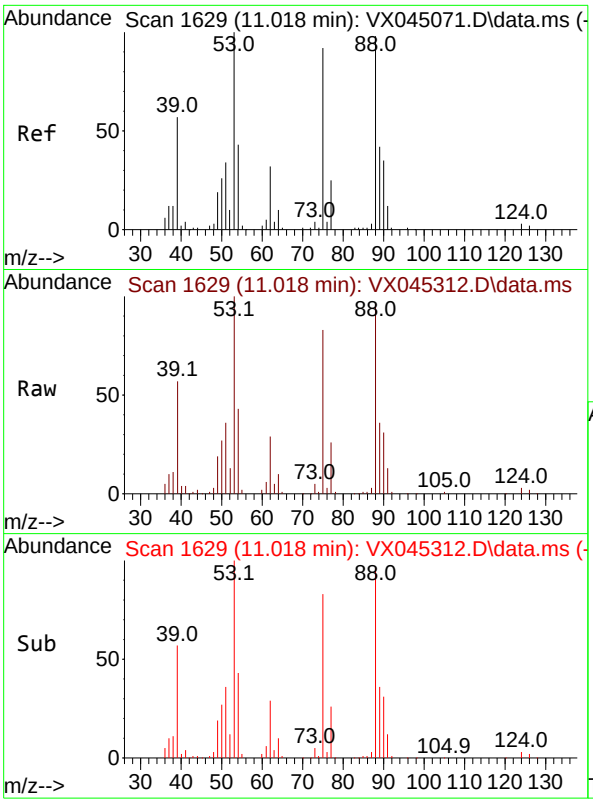


#80
1,3,5-Trimethylbenzene
Concen: 50.984 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 229603

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2

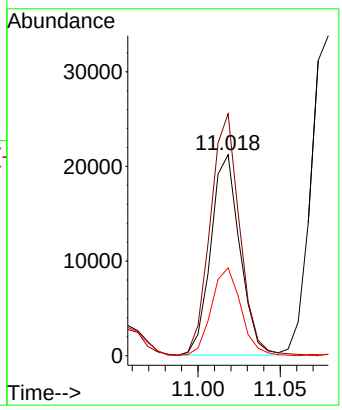




#81
trans-1,4-Dichloro-2-butene
Concen: 53.737 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 2607

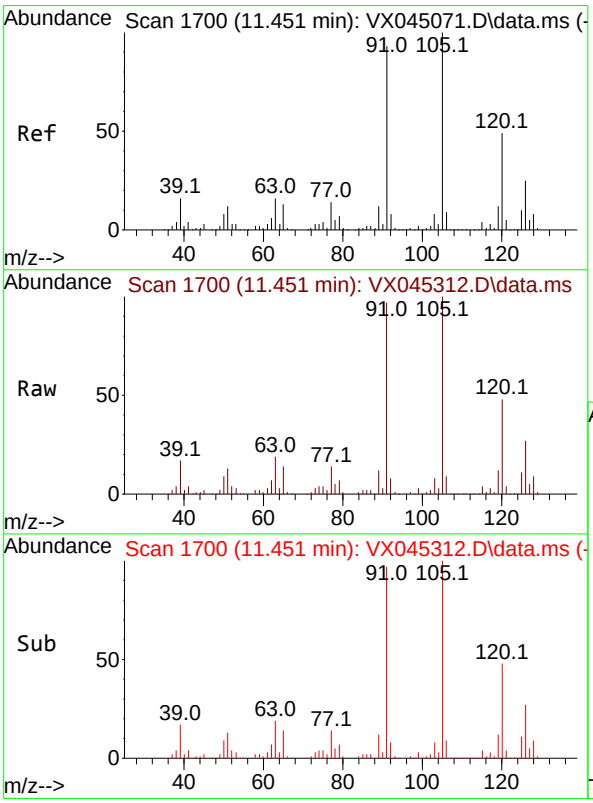
Ion	Ratio	Lower	Upper
75	100		
53	122.5	88.5	132.7
89	44.5	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

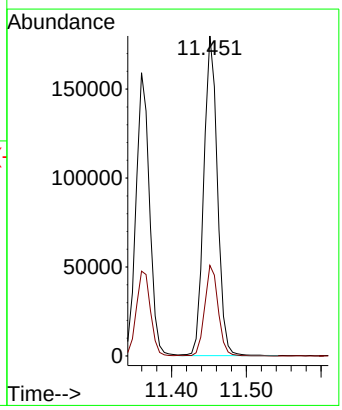
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

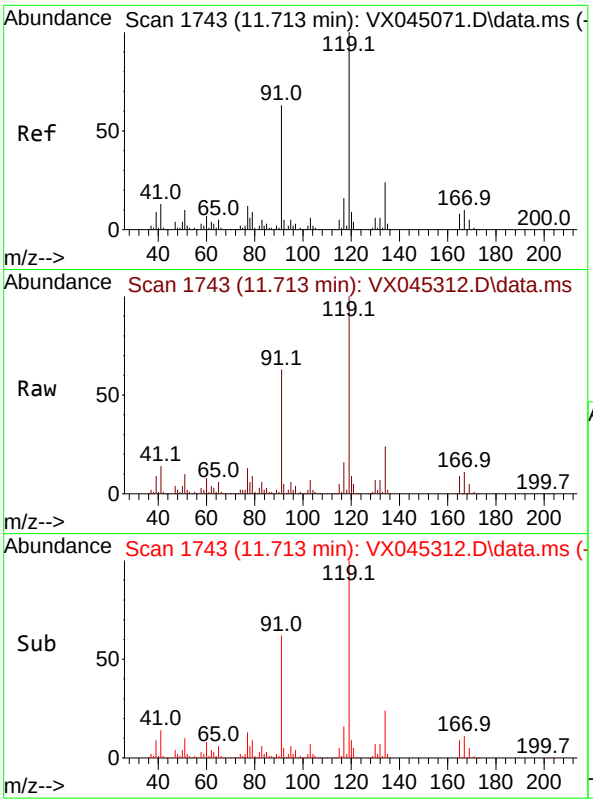


#82
4-Chlorotoluene
Concen: 51.902 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 226650

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

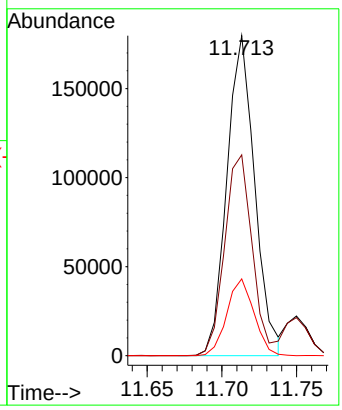




#83
tert-Butylbenzene
Concen: 50.249 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:119 Resp: 23250

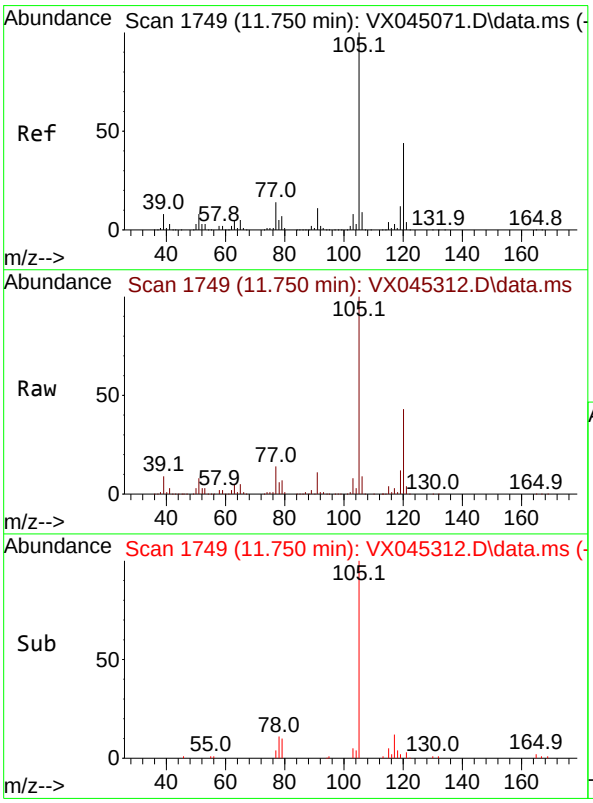
Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

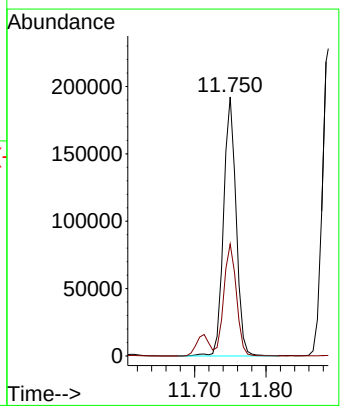
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

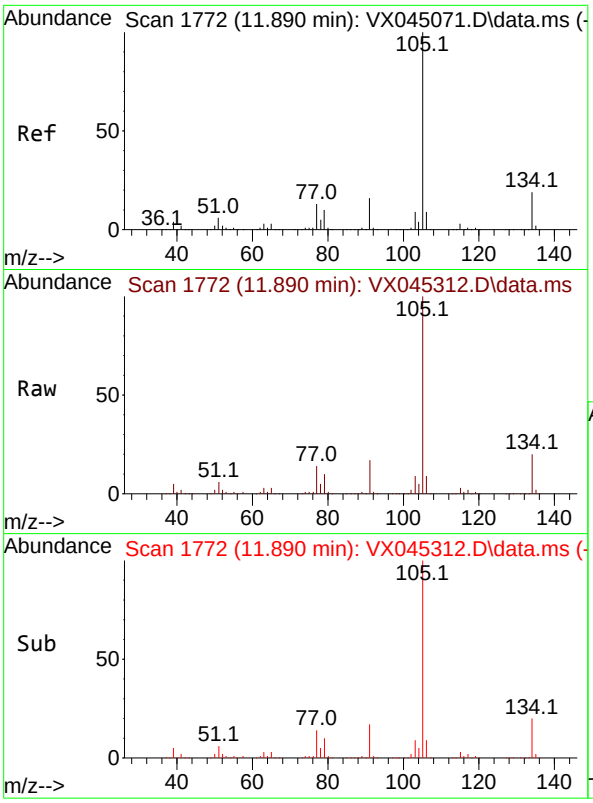


#84
1,2,4-Trimethylbenzene
Concen: 51.705 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 234292

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

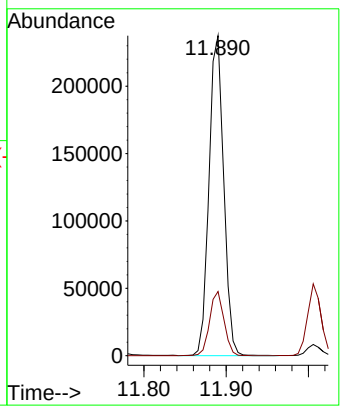




#85
sec-Butylbenzene
Concen: 53.254 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 29516

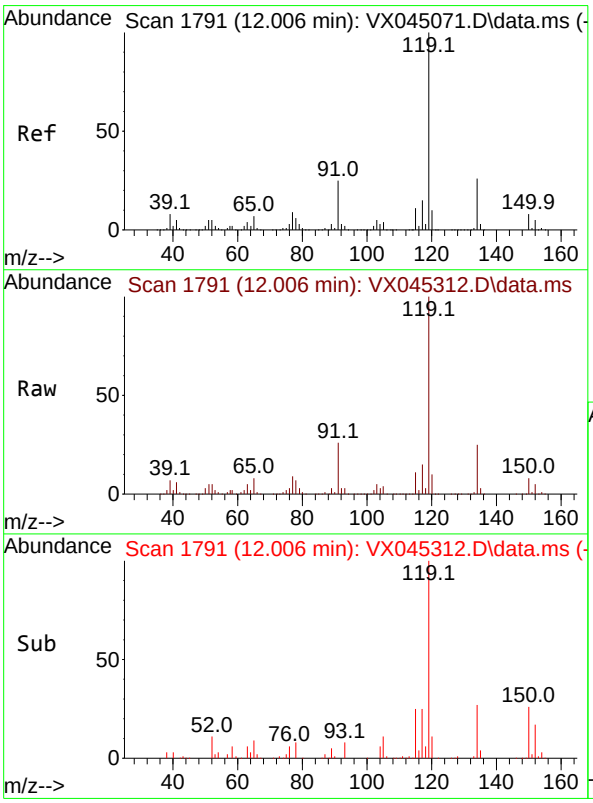
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

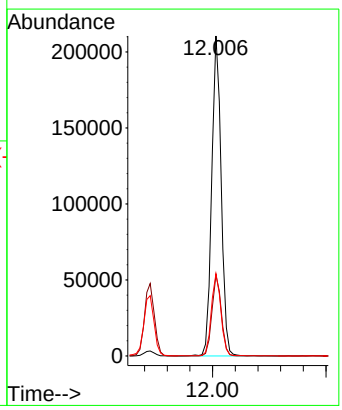
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

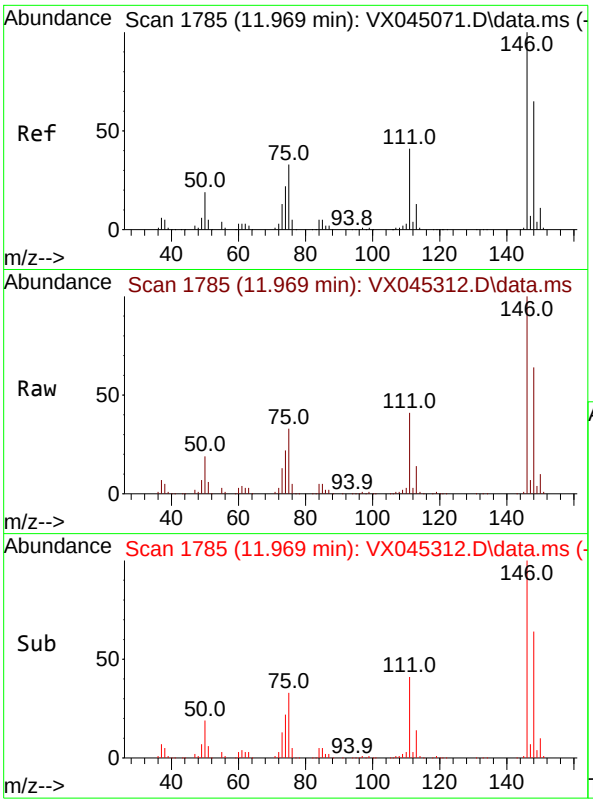


#86
p-Isopropyltoluene
Concen: 54.417 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:119 Resp: 243748

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.9	38.6
91	25.9	12.7	38.0

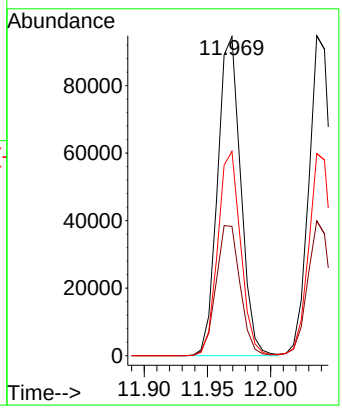




#87
1,3-Dichlorobenzene
Concen: 51.323 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:146 Resp: 12031

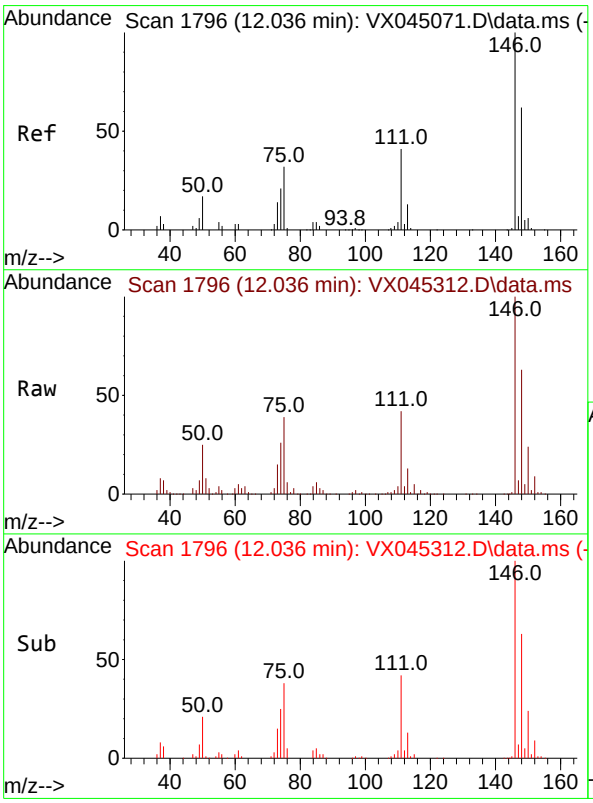
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

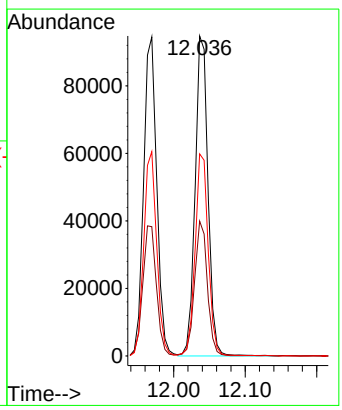
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

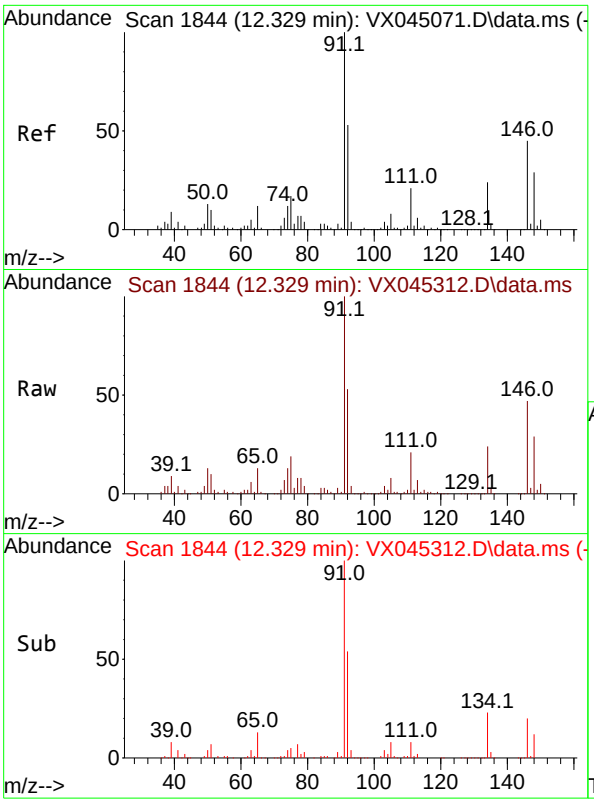


#88
1,4-Dichlorobenzene
Concen: 49.875 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:146 Resp: 118289

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	64.1	31.9	95.9

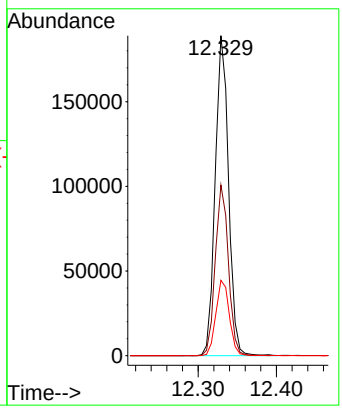




#89
n-Butylbenzene
Concen: 57.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 22352

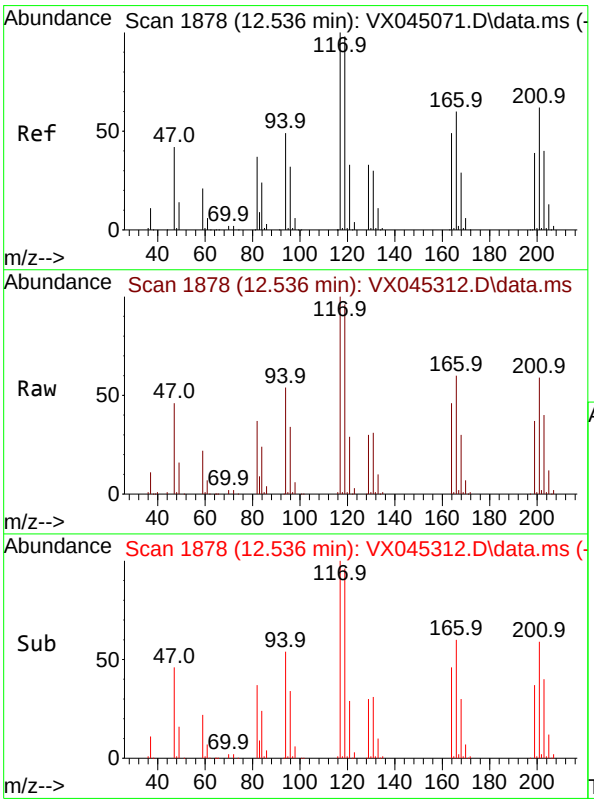
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

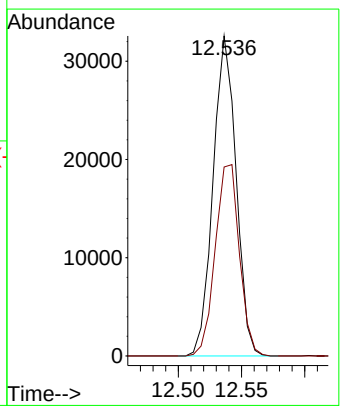
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

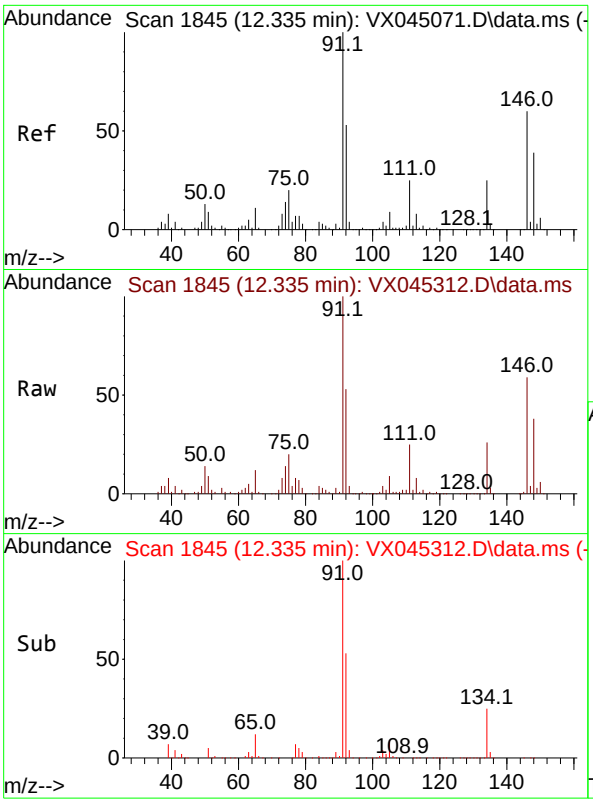


#90
Hexachloroethane
Concen: 50.780 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:117 Resp: 41142

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.9	95.9

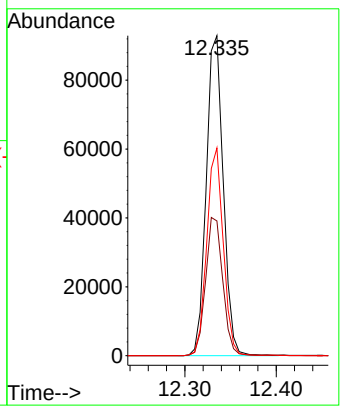




#91
1,2-Dichlorobenzene
Concen: 50.826 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:146 Resp: 11952

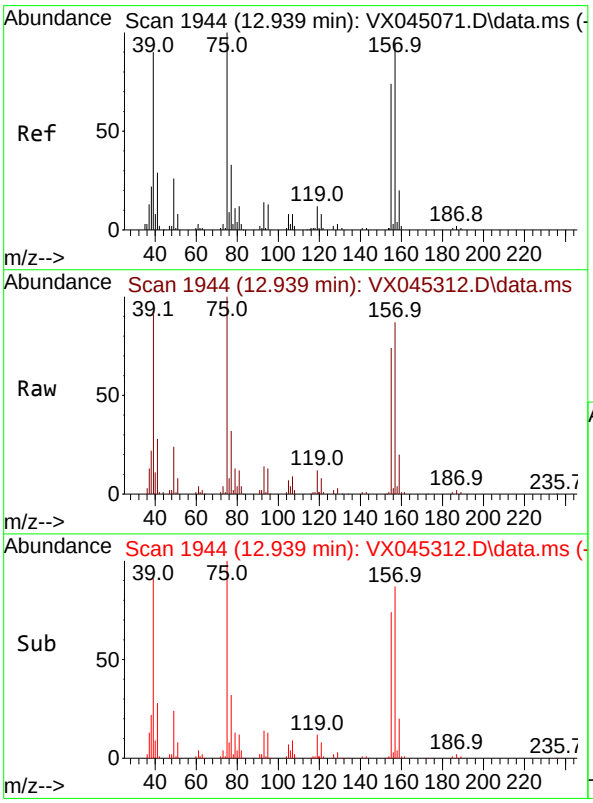
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

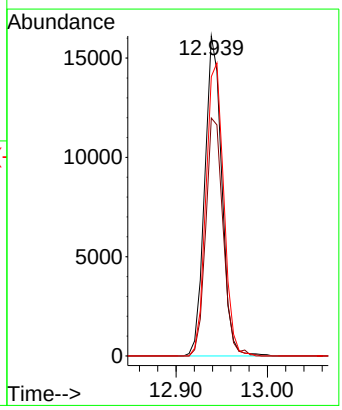
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

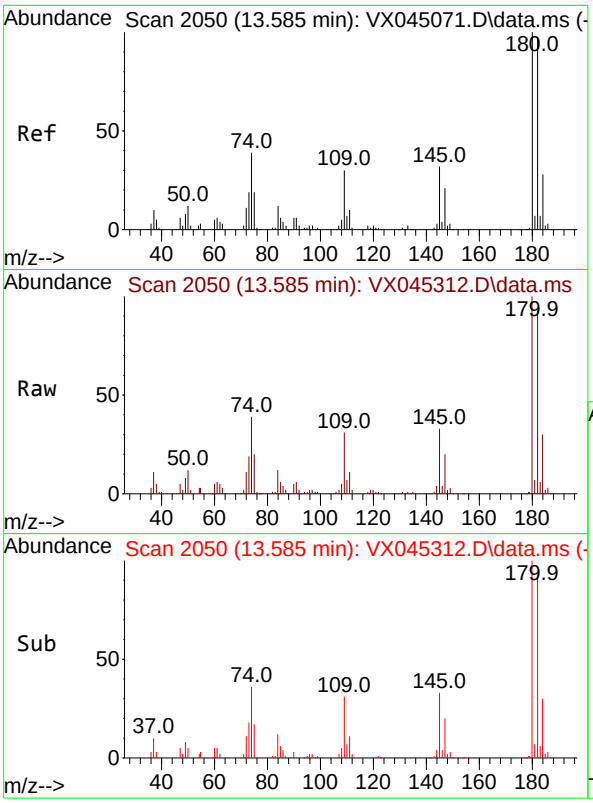


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.623 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 20953

Ion	Ratio	Lower	Upper
75	100		
155	75.3	39.6	118.7
157	95.0	51.1	153.4

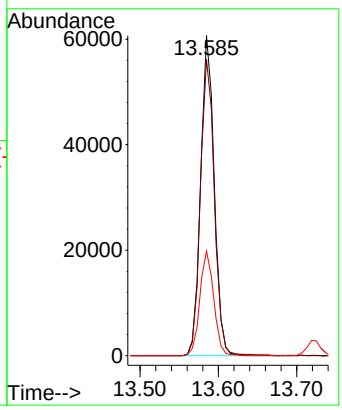




#93
1,2,4-Trichlorobenzene
Concen: 54.660 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:180 Resp: 7319

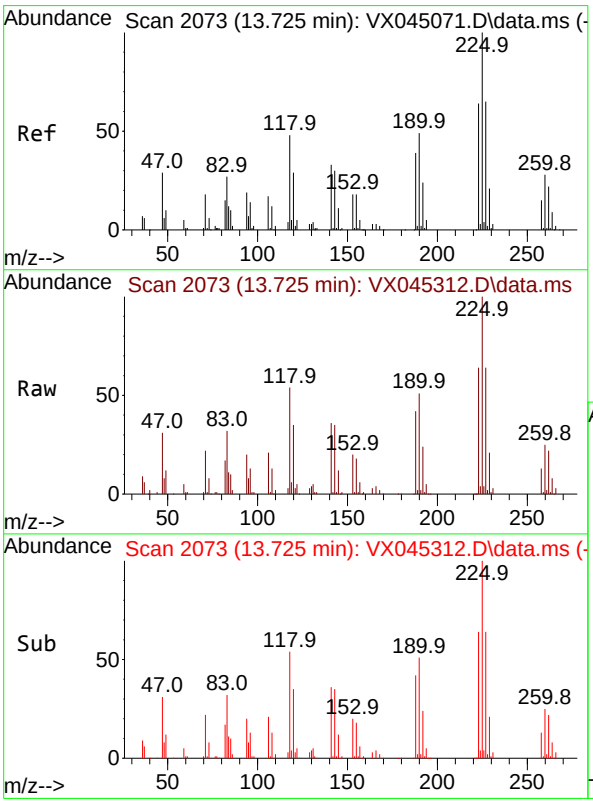
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

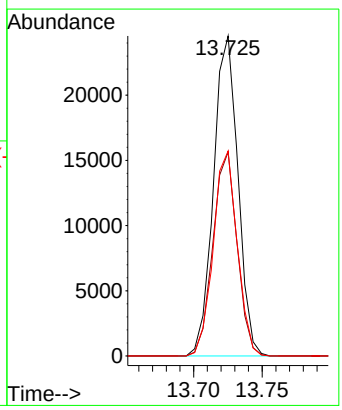
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

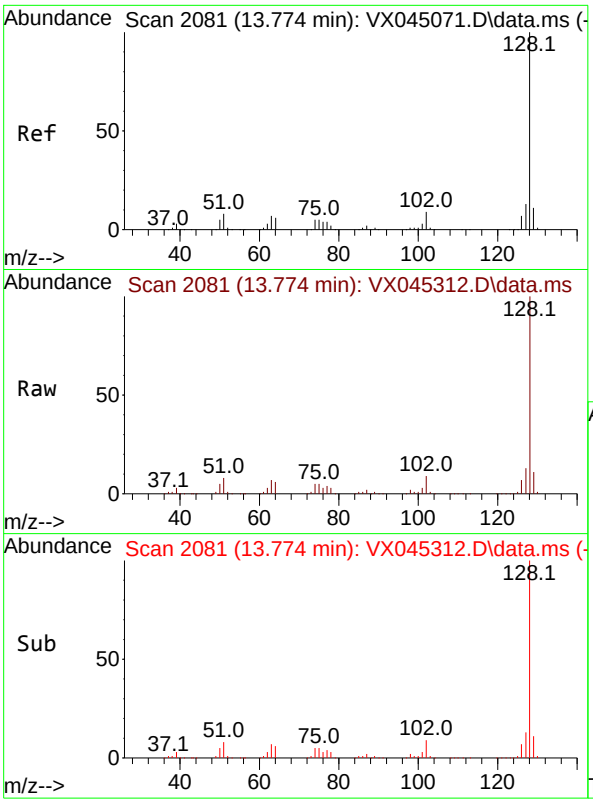


#94
Hexachlorobutadiene
Concen: 55.325 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:225 Resp: 30372

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	62.9	31.4	94.0

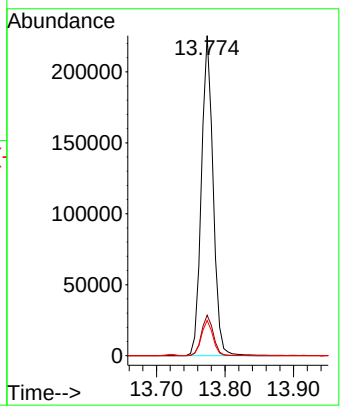




#95
Naphthalene
Concen: 52.139 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:128 Resp: 26823

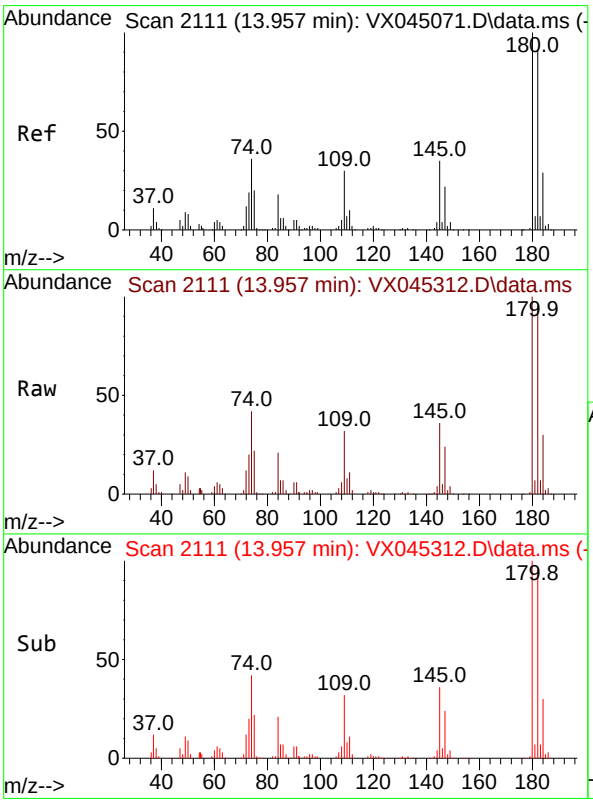
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

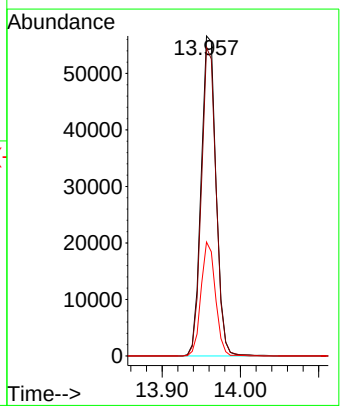
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.979 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:180 Resp: 74839

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	34.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	97	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	93	0.00
3	P	Chloromethane	0.770	0.700	9.1	90	0.00
4	C	Vinyl Chloride	0.764	0.630	17.5#	80	0.00
5	T	Bromomethane	0.300	0.274	8.7	91	0.00
6	T	Chloroethane	0.352	0.317	9.9	82	0.00
7	T	Trichlorofluoromethane	1.011	0.936	7.4	86	0.00
8	T	Diethyl Ether	0.396	0.336	15.2	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.621	-6.9	101	0.00
10	T	Methyl Iodide	0.726	0.747	-2.9	94	0.00
11	T	Tert butyl alcohol	0.151	0.118	21.9	85	0.00
12	CM	1,1-Dichloroethene	0.614	0.582	5.2#	90	0.00
13	T	Acrolein	0.174	0.164	5.7	91	0.00
14	T	Allyl chloride	1.094	1.090	0.4	95	0.00
15	T	Acrylonitrile	0.404	0.388	4.0	92	0.00
16	T	Acetone	0.369	0.341	7.6	94	0.00
17	T	Carbon Disulfide	1.636	1.304	20.3	76	0.00
18	T	Methyl Acetate	0.888	1.047	-17.9	117	0.00
19	T	Methyl tert-butyl Ether	2.061	2.048	0.6	95	0.00
20	T	Methylene Chloride	0.731	0.679	7.1	94	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.576	5.1	88	0.00
22	T	Diisopropyl ether	2.224	2.229	-0.2	94	0.00
23	T	Vinyl Acetate	1.856	1.855	0.1	91	0.00
24	P	1,1-Dichloroethane	1.247	1.218	2.3	95	0.00
25	T	2-Butanone	0.555	0.537	3.2	90	0.00
26	T	2,2-Dichloropropane	0.585	0.849	-45.1#	138	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.729	2.7	92	0.00
28	T	Bromochloromethane	0.594	0.601	-1.2	96	-0.01
29	T	Tetrahydrofuran	0.373	0.340	8.8	88	0.00
30	C	Chloroform	1.239	1.221	1.5#	95	0.00
31	T	Cyclohexane	1.082	1.015	6.2	89	0.00
32	T	1,1,1-Trichloroethane	1.000	0.996	0.4	94	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.819	-3.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.334	0.351	-5.1	101	0.00
36	T	1,1-Dichloropropene	0.459	0.450	2.0	90	0.00
37	T	Ethyl Acetate	0.591	0.565	4.4	88	0.00
38	T	Carbon Tetrachloride	0.465	0.471	-1.3	95	0.00
39	T	Methylcyclohexane	0.549	0.568	-3.5	92	0.00
40	TM	Benzene	1.448	1.413	2.4	89	0.00
41	T	Methacrylonitrile	0.319	0.329	-3.1	91	0.00
42	TM	1,2-Dichloroethane	0.521	0.545	-4.6	97	0.00
43	T	Isopropyl Acetate	0.874	0.903	-3.3	92	0.00
44	TM	Trichloroethene	0.340	0.329	3.2	91	0.00
45	C	1,2-Dichloropropane	0.372	0.365	1.9#	93	0.00
46	T	Dibromomethane	0.263	0.271	-3.0	95	0.00
47	T	Bromodichloromethane	0.516	0.537	-4.1	97	0.00
48	T	Methyl methacrylate	0.438	0.466	-6.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	84	0.00
50	S	Toluene-d8	1.212	1.212	0.0	94	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.609	-3.7	94	0.00
52	CM	Toluene	0.849	0.858	-1.1#	90	0.00
53	T	t-1,3-Dichloropropene	0.431	0.479	-11.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.545	-8.3	96	0.00
55	T	1,1,2-Trichloroethane	0.350	0.352	-0.6	93	0.00
56	T	Ethyl methacrylate	0.532	0.571	-7.3	94	0.00
57	T	1,3-Dichloropropane	0.605	0.608	-0.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.301	-16.2	100	0.00
59	T	2-Hexanone	0.425	0.449	-5.6	95	0.00
60	T	Dibromochloromethane	0.366	0.388	-6.0	95	0.00
61	T	1,2-Dibromoethane	0.349	0.352	-0.9	93	0.00
62	S	4-Bromofluorobenzene	0.402	0.438	-9.0	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.320	0.327	-2.2	94	0.00
65	PM	Chlorobenzene	1.058	1.075	-1.6	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.363	-3.1	95	0.00
67	C	Ethyl Benzene	1.843	1.908	-3.5#	91	0.00
68	T	m/p-Xylenes	0.675	0.703	-4.1	91	0.00
69	T	o-Xylene	0.681	0.698	-2.5	92	0.00
70	T	Styrene	1.101	1.193	-8.4	94	0.00
71	P	Bromoform	0.266	0.287	-7.9	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.903	3.904	-0.0	95	0.00
74	T	N-amyl acetate	1.831	1.949	-6.4	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.398	2.4	99	0.00
76	T	1,2,3-Trichloropropane	1.164	1.142	1.9	100	0.00
77	T	Bromobenzene	0.921	0.905	1.7	97	0.00
78	T	n-propylbenzene	4.409	4.615	-4.7	96	0.00
79	T	2-Chlorotoluene	2.808	2.768	1.4	97	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.218	-2.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.365	-7.4	108	0.00
82	T	4-Chlorotoluene	3.060	3.176	-3.8	98	0.00
83	T	tert-Butylbenzene	3.242	3.258	-0.5	97	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.283	-3.4	97	0.00
85	T	sec-Butylbenzene	3.884	4.137	-6.5	98	0.00
86	T	p-Isopropyltoluene	3.139	3.416	-8.8	100	0.00
87	T	1,3-Dichlorobenzene	1.643	1.686	-2.6	101	0.00
88	T	1,4-Dichlorobenzene	1.662	1.658	0.2	98	0.00
89	T	n-Butylbenzene	2.703	3.132	-15.9	104	0.00
90	T	Hexachloroethane	0.568	0.577	-1.6	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.675	-1.6	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.294	-5.4	102	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.026	-9.4	102	0.00
94	T	Hexachlorobutadiene	0.385	0.426	-10.6	109	0.00
95	T	Naphthalene	3.605	3.759	-4.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.049	-6.0	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	47.929	4.1	93	0.00
3	P	Chloromethane	50.000	45.462	9.1	90	0.00
4	C	Vinyl Chloride	50.000	41.244	17.5#	80	0.00
5	T	Bromomethane	50.000	45.580	8.8	91	0.00
6	T	Chloroethane	50.000	44.930	10.1	82	0.00
7	T	Trichlorofluoromethane	50.000	46.268	7.5	86	0.00
8	T	Diethyl Ether	50.000	42.490	15.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.469	-6.9	101	0.00
10	T	Methyl Iodide	50.000	51.423	-2.8	94	0.00
11	T	Tert butyl alcohol	250.000	195.913	21.6	85	0.00
12	CM	1,1-Dichloroethene	50.000	47.367	5.3#	90	0.00
13	T	Acrolein	250.000	235.324	5.9	91	0.00
14	T	Allyl chloride	50.000	49.848	0.3	95	0.00
15	T	Acrylonitrile	250.000	240.329	3.9	92	0.00
16	T	Acetone	250.000	230.853	7.7	94	0.00
17	T	Carbon Disulfide	50.000	39.839	20.3	76	0.00
18	T	Methyl Acetate	50.000	58.988	-18.0	117	0.00
19	T	Methyl tert-butyl Ether	50.000	49.687	0.6	95	0.00
20	T	Methylene Chloride	50.000	46.459	7.1	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.420	5.2	88	0.00
22	T	Diisopropyl ether	50.000	50.102	-0.2	94	0.00
23	T	Vinyl Acetate	250.000	249.784	0.1	91	0.00
24	P	1,1-Dichloroethane	50.000	48.853	2.3	95	0.00
25	T	2-Butanone	250.000	241.687	3.3	90	0.00
26	T	2,2-Dichloropropane	50.000	72.611	-45.2#	138	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.625	2.8	92	0.00
28	T	Bromochloromethane	50.000	50.547	-1.1	96	-0.01
29	T	Tetrahydrofuran	250.000	227.936	8.8	88	0.00
30	C	Chloroform	50.000	49.301	1.4#	95	0.00
31	T	Cyclohexane	50.000	46.918	6.2	89	0.00
32	T	1,1,1-Trichloroethane	50.000	49.788	0.4	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.509	-3.0	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	52.456	-4.9	101	0.00
36	T	1,1-Dichloropropene	50.000	49.023	2.0	90	0.00
37	T	Ethyl Acetate	50.000	47.814	4.4	88	0.00
38	T	Carbon Tetrachloride	50.000	50.618	-1.2	95	0.00
39	T	Methylcyclohexane	50.000	51.720	-3.4	92	0.00
40	TM	Benzene	50.000	48.805	2.4	89	0.00
41	T	Methacrylonitrile	50.000	51.464	-2.9	91	0.00
42	TM	1,2-Dichloroethane	50.000	52.239	-4.5	97	0.00
43	T	Isopropyl Acetate	50.000	51.656	-3.3	92	0.00
44	TM	Trichloroethene	50.000	48.376	3.2	91	0.00
45	C	1,2-Dichloropropane	50.000	49.071	1.9#	93	0.00
46	T	Dibromomethane	50.000	51.526	-3.1	95	0.00
47	T	Bromodichloromethane	50.000	52.012	-4.0	97	0.00
48	T	Methyl methacrylate	50.000	53.109	-6.2	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	907.231	9.3	84	0.00
50	S	Toluene-d8	50.000	49.996	0.0	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.644	-3.9	94	0.00
52	CM	Toluene	50.000	50.515	-1.0#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	55.465	-10.9	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.190	-8.4	96	0.00
55	T	1,1,2-Trichloroethane	50.000	50.360	-0.7	93	0.00
56	T	Ethyl methacrylate	50.000	53.664	-7.3	94	0.00
57	T	1,3-Dichloropropane	50.000	50.198	-0.4	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	290.649	-16.3	100	0.00
59	T	2-Hexanone	250.000	263.820	-5.5	95	0.00
60	T	Dibromochloromethane	50.000	53.043	-6.1	95	0.00
61	T	1,2-Dibromoethane	50.000	50.415	-0.8	93	0.00
62	S	4-Bromofluorobenzene	50.000	54.557	-9.1	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	51.098	-2.2	94	0.00
65	PM	Chlorobenzene	50.000	50.822	-1.6	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.552	-3.1	95	0.00
67	C	Ethyl Benzene	50.000	51.743	-3.5#	91	0.00
68	T	m/p-Xylenes	100.000	104.167	-4.2	91	0.00
69	T	o-Xylene	50.000	51.291	-2.6	92	0.00
70	T	Styrene	50.000	54.166	-8.3	94	0.00
71	P	Bromoform	50.000	54.084	-8.2	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.023	-0.0	95	0.00
74	T	N-amyl acetate	50.000	53.226	-6.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.809	2.4	99	0.00
76	T	1,2,3-Trichloropropane	50.000	49.055	1.9	100	0.00
77	T	Bromobenzene	50.000	49.150	1.7	97	0.00
78	T	n-propylbenzene	50.000	52.338	-4.7	96	0.00
79	T	2-Chlorotoluene	50.000	49.301	1.4	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.984	-2.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.737	-7.5	108	0.00
82	T	4-Chlorotoluene	50.000	51.902	-3.8	98	0.00
83	T	tert-Butylbenzene	50.000	50.249	-0.5	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.705	-3.4	97	0.00
85	T	sec-Butylbenzene	50.000	53.254	-6.5	98	0.00
86	T	p-Isopropyltoluene	50.000	54.417	-8.8	100	0.00
87	T	1,3-Dichlorobenzene	50.000	51.323	-2.6	101	0.00
88	T	1,4-Dichlorobenzene	50.000	49.875	0.3	98	0.00
89	T	n-Butylbenzene	50.000	57.938	-15.9	104	0.00
90	T	Hexachloroethane	50.000	50.780	-1.6	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.826	-1.7	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.623	-5.2	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.660	-9.3	102	0.00
94	T	Hexachlorobutadiene	50.000	55.325	-10.7	109	0.00
95	T	Naphthalene	50.000	52.139	-4.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	52.979	-6.0	99	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/18/2025 20:16

Lab File ID: VX045338.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.613		-2.54	50
Chloromethane	0.770	0.675	0.1	-12.34	50
Vinyl Chloride	0.764	0.692		-9.42	50
Bromomethane	0.300	0.300		0	50
Chloroethane	0.352	0.317		-9.94	50
Trichlorofluoromethane	1.012	1.031		1.88	50
1,1,2-Trichlorotrifluoroethane	0.581	0.667		14.8	50
1,1-Dichloroethene	0.614	0.645		5.05	50
Acetone	0.369	0.378		2.44	50
Carbon Disulfide	1.636	1.376		-15.89	50
Methyl tert-butyl Ether	2.061	2.347		13.88	50
Methyl Acetate	0.888	1.198		34.91	50
Methylene Chloride	0.731	0.762		4.24	50
trans-1,2-Dichloroethene	0.607	0.652		7.41	50
1,1-Dichloroethane	1.247	1.406	0.1	12.75	50
Cyclohexane	1.082	1.119		3.42	50
2-Butanone	0.555	0.589		6.13	50
Carbon Tetrachloride	0.465	0.533		14.62	50
cis-1,2-Dichloroethene	0.749	0.827		10.41	50
Bromochloromethane	0.594	0.656		10.44	50
Chloroform	1.239	1.421		14.69	50
1,1,1-Trichloroethane	1.000	1.177		17.7	50
Methylcyclohexane	0.549	0.616		12.2	50
Benzene	1.448	1.576		8.84	50
1,2-Dichloroethane	0.521	0.625		19.96	50
Trichloroethene	0.340	0.369		8.53	50
1,2-Dichloropropane	0.372	0.418		12.37	50
Bromodichloromethane	0.516	0.602		16.67	50
4-Methyl-2-Pentanone	0.587	0.651		10.9	50
Toluene	0.849	0.954		12.37	50
t-1,3-Dichloropropene	0.431	0.523		21.35	50
cis-1,3-Dichloropropene	0.503	0.601		19.48	50
1,1,2-Trichloroethane	0.350	0.385		10	50
2-Hexanone	0.425	0.472		11.06	50
Dibromochloromethane	0.366	0.413		12.84	50
1,2-Dibromoethane	0.349	0.387		10.89	50
Tetrachloroethene	0.320	0.359		12.19	50
Chlorobenzene	1.058	1.176	0.3	11.15	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/18/2025 20:16

Lab File ID: VX045338.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.137		15.95	50
m/p-Xylenes	0.675	0.777		15.11	50
o-Xylene	0.681	0.758		11.31	50
Styrene	1.101	1.274		15.71	50
Bromoform	0.266	0.297	0.1	11.65	50
Isopropylbenzene	3.903	4.486		14.94	50
1,1,2,2-Tetrachloroethane	1.432	1.566	0.3	9.36	50
1,3-Dichlorobenzene	1.643	1.847		12.42	50
1,4-Dichlorobenzene	1.662	1.846		11.07	50
1,2-Dichlorobenzene	1.648	1.889		14.62	50
1,2-Dibromo-3-Chloropropane	0.279	0.331		18.64	50
1,2,4-Trichlorobenzene	0.938	1.113		18.66	50
1,2,3-Trichlorobenzene	0.990	1.174		18.59	50
1,2-Dichloroethane-d4	0.795	0.973		22.39	50
Dibromofluoromethane	0.334	0.396		18.56	50
Toluene-d8	1.212	1.395		15.1	50
4-Bromofluorobenzene	0.402	0.479		19.15	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\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150662	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81893	61.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.400%			
35) Dibromofluoromethane	5.379	113	59737	59.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.600%			
50) Toluene-d8	8.647	98	210146	57.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.080%#			
62) 4-Bromofluorobenzene	11.079	95	72166	59.628	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51601	48.729	ug/l	98
3) Chloromethane	1.301	50	56752	43.793	ug/l	99
4) Vinyl Chloride	1.374	62	58243	45.305	ug/l	98
5) Bromomethane	1.593	94	25260	49.983	ug/l	99
6) Chloroethane	1.660	64	26646	44.936	ug/l	95
7) Trichlorofluoromethane	1.868	101	86733	50.964	ug/l	100
8) Diethyl Ether	2.136	74	31915	47.945	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	56075	57.352	ug/l	99
10) Methyl Iodide	2.441	142	65943	53.969	ug/l	97
11) Tert butyl alcohol	2.989	59	53027	209.210	ug/l	99
12) 1,1-Dichloroethene	2.307	96	54237	52.468	ug/l	93
13) Acrolein	2.239	56	73442	250.658	ug/l	100
14) Allyl chloride	2.654	41	102455	55.680	ug/l	95
15) Acrylonitrile	3.069	53	176272	259.486	ug/l	99
16) Acetone	2.386	43	158918	255.968	ug/l	97
17) Carbon Disulfide	2.502	76	115773	42.049	ug/l	97
18) Methyl Acetate	2.703	43	100760	67.463	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	197477	56.941	ug/l	97
20) Methylene Chloride	2.782	84	64105	52.125	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	54820	53.680	ug/l	94
22) Diisopropyl ether	3.764	45	212818	56.869	ug/l	98
23) Vinyl Acetate	3.721	43	883964	283.056	ug/l	99
24) 1,1-Dichloroethane	3.605	63	118316	56.414	ug/l	98
25) 2-Butanone	4.562	43	247851	265.213	ug/l	97
26) 2,2-Dichloropropane	4.471	77	72453	73.651	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	69546	55.166	ug/l	95
28) Bromochloromethane	4.891	49	55167	55.186	ug/l	98
29) Tetrahydrofuran	5.001	42	159660	254.403	ug/l	99
30) Chloroform	5.087	83	119558	57.373	ug/l	100
31) Cyclohexane	5.458	56	94154	51.717	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	98999	58.821	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75043	54.316	ug/l	98
37) Ethyl Acetate	4.709	43	94554	53.112	ug/l	99
38) Carbon Tetrachloride	5.666	117	80339	57.276	ug/l	98
39) Methylcyclohexane	7.373	83	92874	56.101	ug/l	99
40) Benzene	6.031	78	237509	54.440	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	53326	55.396 ug/l		96
42) 1,2-Dichloroethane	6.080	62	94116	59.907 ug/l		98
43) Isopropyl Acetate	6.342	43	150519	57.177 ug/l		99
44) Trichloroethene	7.123	130	55524	54.201 ug/l		99
45) 1,2-Dichloropropane	7.428	63	62993	56.158 ug/l		99
46) Dibromomethane	7.574	93	45001	56.759 ug/l		98
47) Bromodichloromethane	7.818	83	90721	58.336 ug/l		98
48) Methyl methacrylate	7.690	41	76591	57.992 ug/l		95
49) 1,4-Dioxane	7.665	88	25756	924.511 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	490226	277.341 ug/l		100
52) Toluene	8.714	92	143688	56.134 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	78792	60.605 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	90501	59.696 ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	58012	55.051 ug/l		98
56) Ethyl methacrylate	9.116	69	94019	58.695 ug/l		95
57) 1,3-Dichloropropane	9.305	76	101382	55.593 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	245641	314.370 ug/l		100
59) 2-Hexanone	9.427	43	355832	277.843 ug/l		99
60) Dibromochloromethane	9.519	129	62295	56.538 ug/l		98
61) 1,2-Dibromoethane	9.604	107	58284	55.404 ug/l		100
64) Tetrachloroethene	9.269	164	46080	56.125 ug/l		97
65) Chlorobenzene	10.080	112	150788	55.590 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50844	56.285 ug/l		99
67) Ethyl Benzene	10.189	91	273984	57.969 ug/l		100
68) m/p-Xylenes	10.299	106	199139	115.095 ug/l		97
69) o-Xylene	10.640	106	97145	55.670 ug/l		97
70) Styrene	10.653	104	163347	57.851 ug/l		98
71) Bromoform	10.799	173	38046	55.853 ug/l	#	99
73) Isopropylbenzene	10.957	105	257226	57.476 ug/l		99
74) N-amyl acetate	10.842	43	124071	59.082 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89804	54.683 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73684m	55.214 ug/l		
77) Bromobenzene	11.195	156	58108	55.031 ug/l		96
78) n-propylbenzene	11.299	91	297988	58.944 ug/l		98
79) 2-Chlorotoluene	11.360	91	178182	55.342 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	210225	58.095 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	21020	53.903 ug/l		87
82) 4-Chlorotoluene	11.451	91	204674	58.329 ug/l		99
83) tert-Butylbenzene	11.713	119	211957	57.007 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	211733	58.152 ug/l		100
85) sec-Butylbenzene	11.890	105	266604	59.861 ug/l		99
86) p-Isopropyltoluene	12.006	119	216728	60.215 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	105903	56.221 ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	105860	55.548 ug/l		98
89) n-Butylbenzene	12.329	91	193200	62.324 ug/l		100
90) Hexachloroethane	12.536	117	36208	55.617 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	108332	57.330 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18967	59.282 ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	63837	59.330 ug/l		99
94) Hexachlorobutadiene	13.725	225	25788	58.460 ug/l		97
95) Naphthalene	13.774	128	242871	58.751 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	67333	59.320 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

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

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

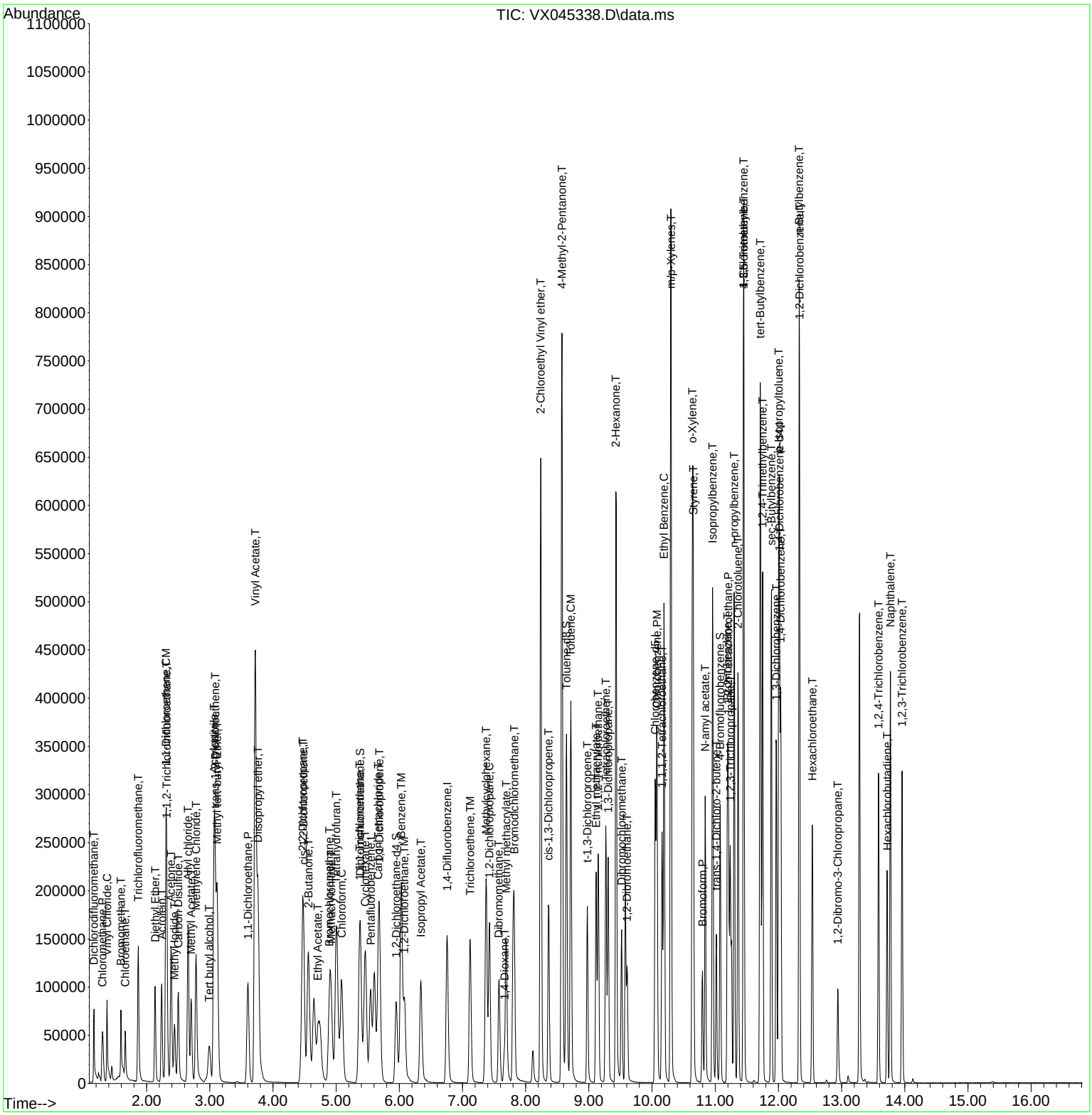
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Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

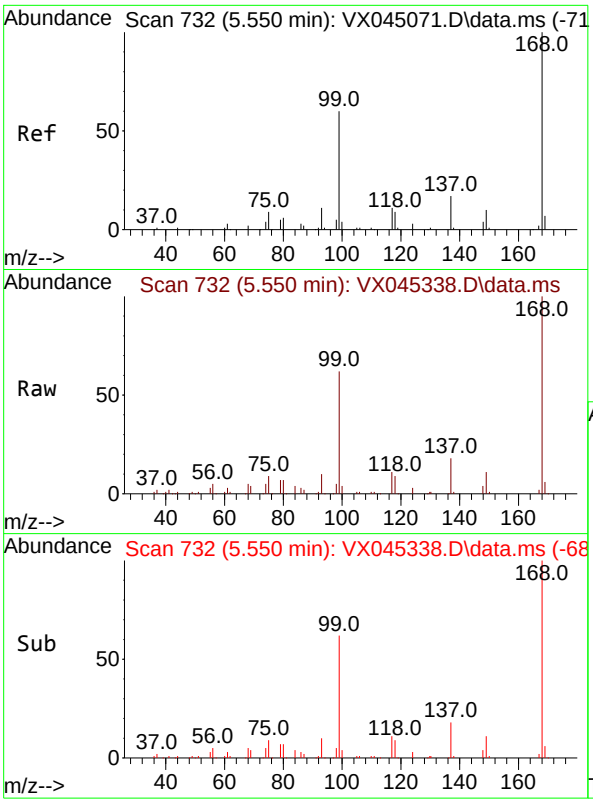
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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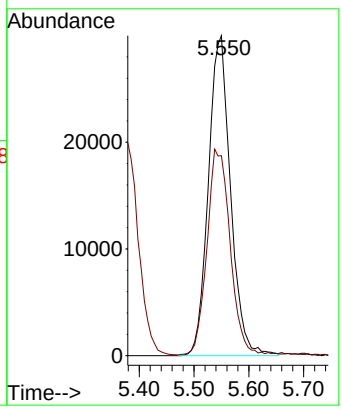




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:168 Resp: 8412

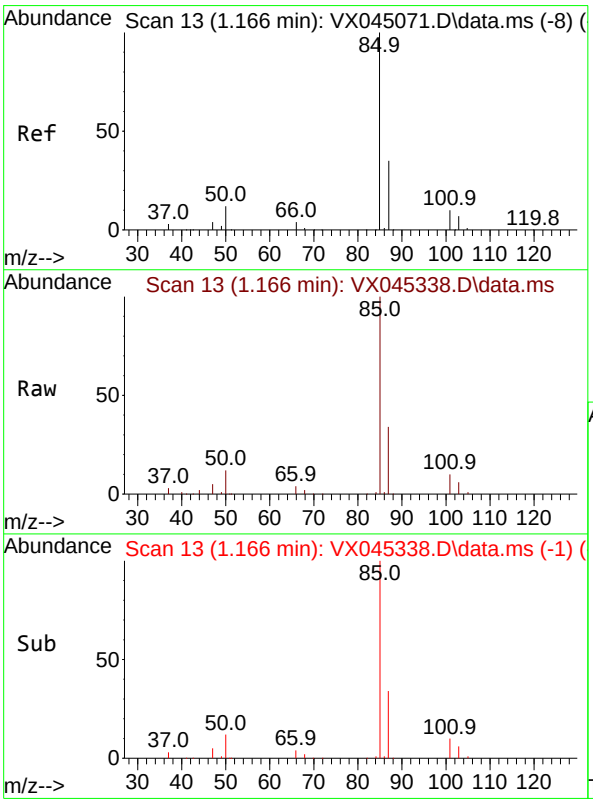
Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

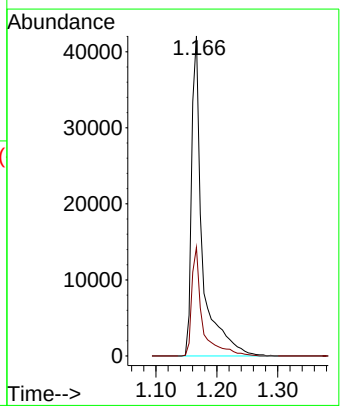
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

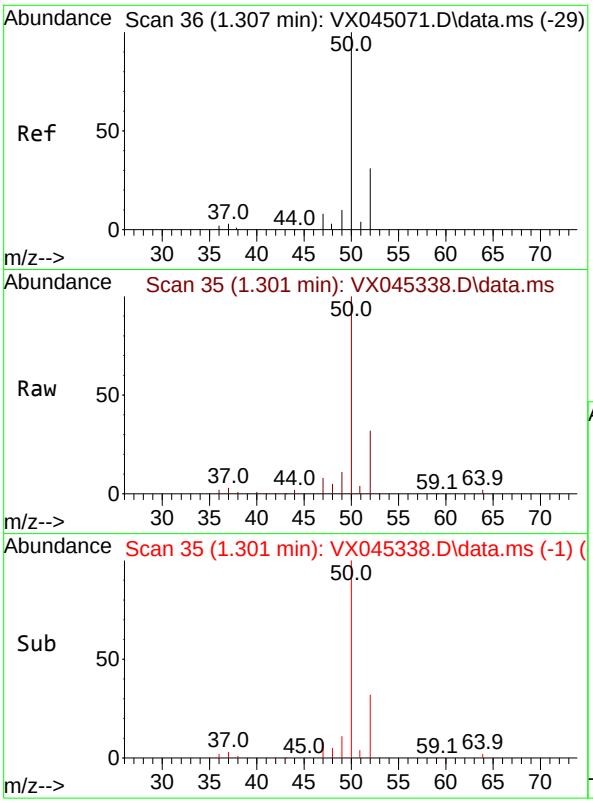


#2
Dichlorodifluoromethane
Concen: 48.729 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 85 Resp: 51601

Ion	Ratio	Lower	Upper
85	100		
87	34.0	17.4	52.3





#3
Chloromethane
Concen: 43.793 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

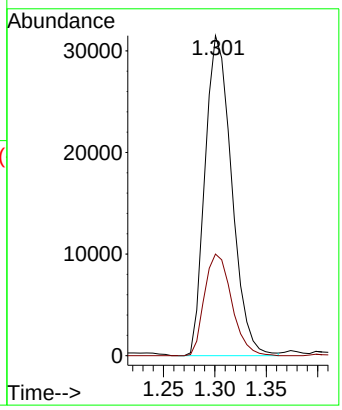
Tgt Ion: 50 Resp: 5675

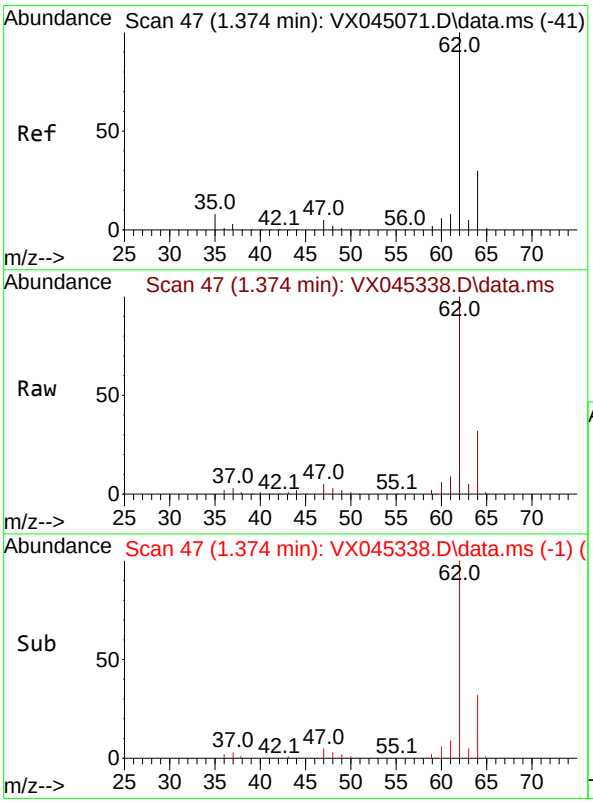
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

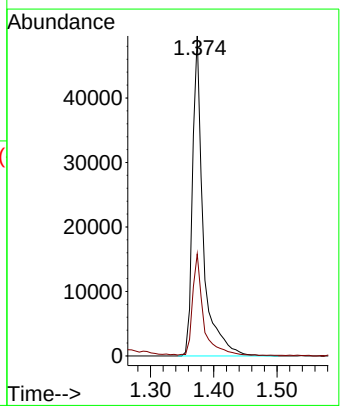


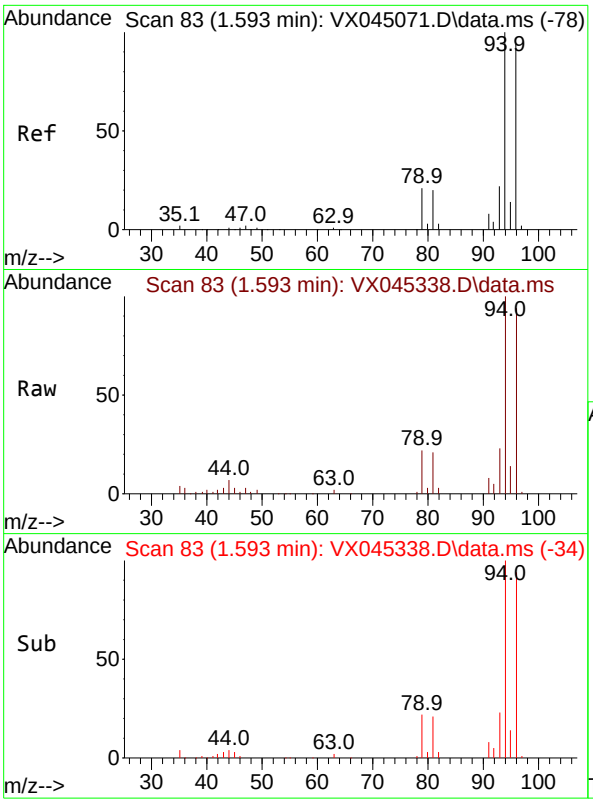


#4
Vinyl Chloride
Concen: 45.305 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 62 Resp: 58243

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.3	36.5





#5
Bromomethane
Concen: 49.983 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

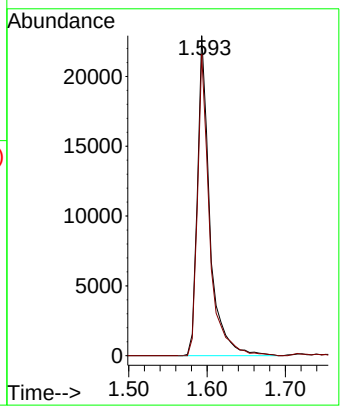
Tgt Ion: 94 Resp: 2526

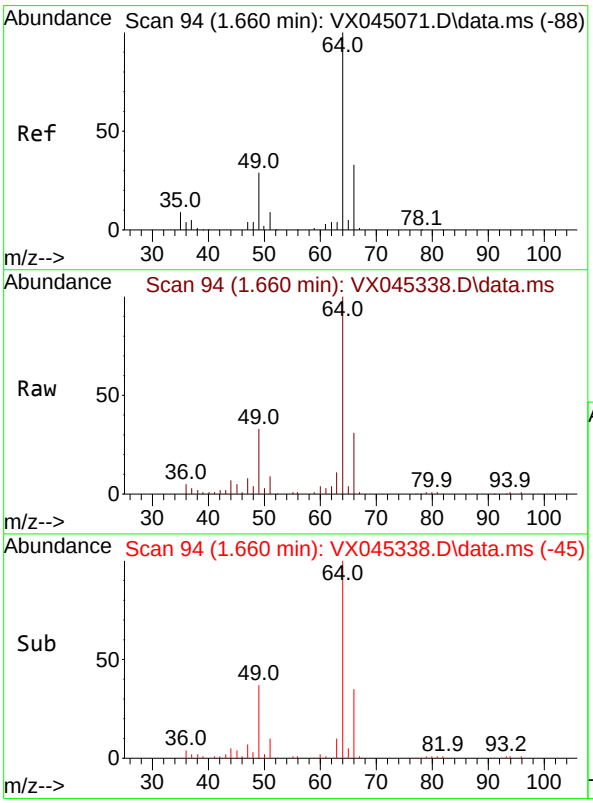
Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

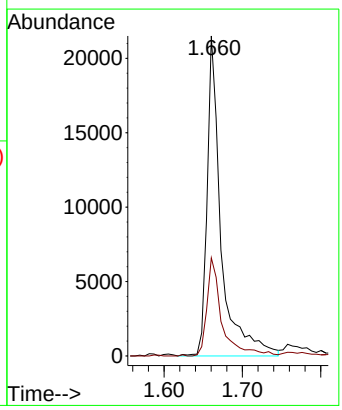


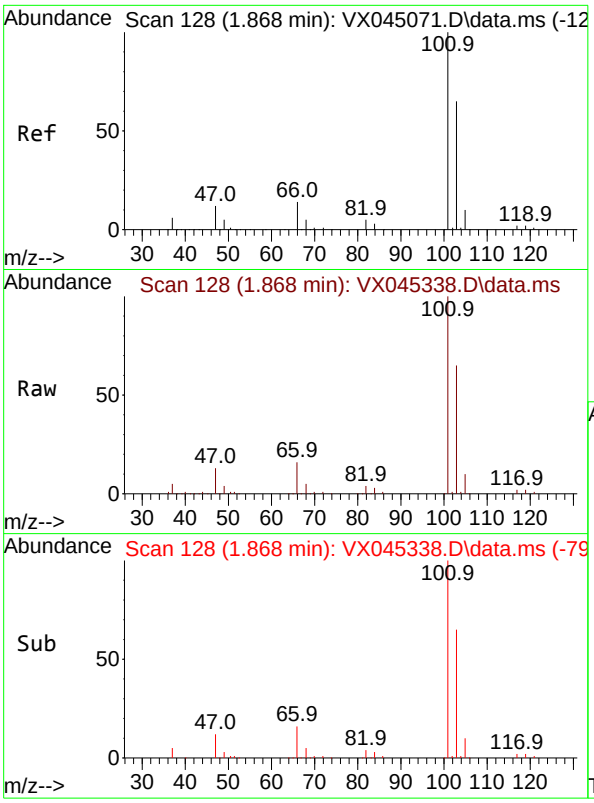


#6
Chloroethane
Concen: 44.936 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 64 Resp: 26646

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.7	40.1





#7
Trichlorofluoromethane
Concen: 50.964 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

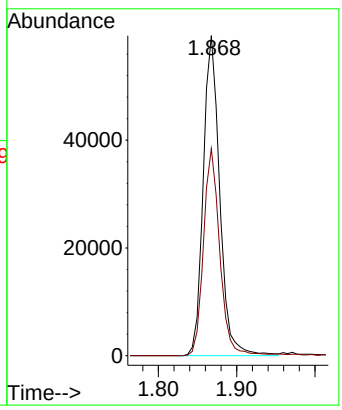
Tgt Ion:101 Resp: 8673

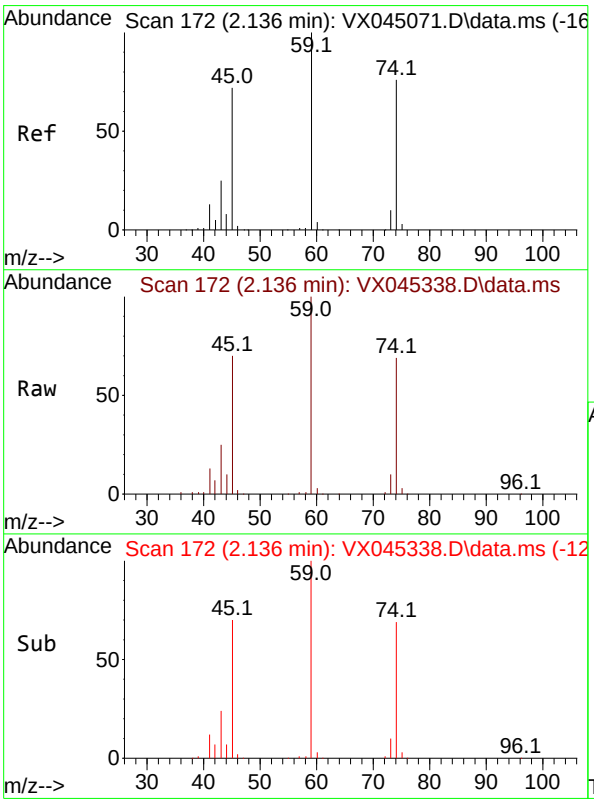
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

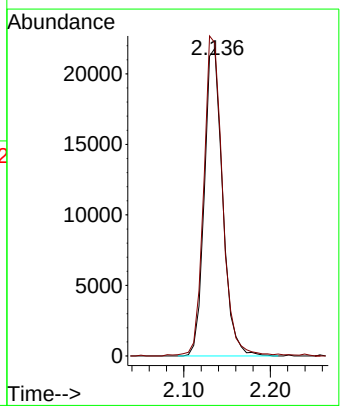


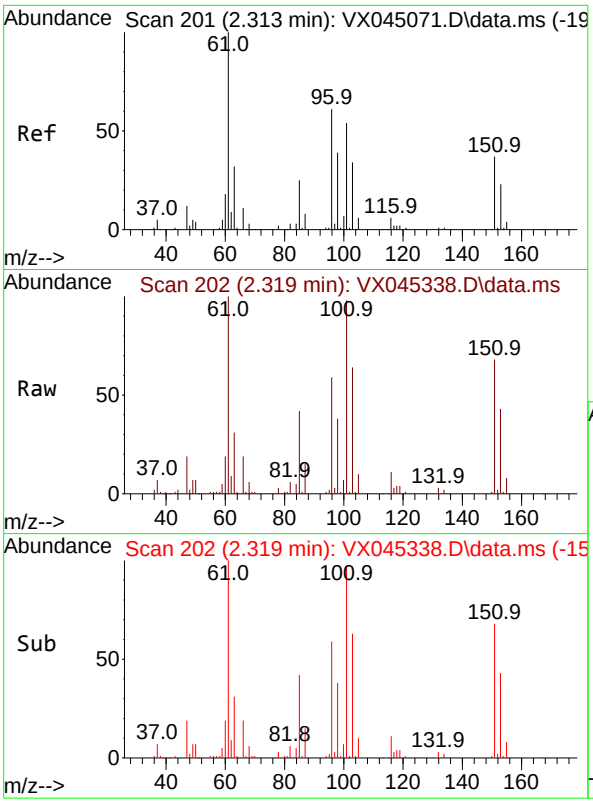


#8
Diethyl Ether
Concen: 47.945 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 74 Resp: 31915

Ion	Ratio	Lower	Upper
74	100		
45	107.5	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.352 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

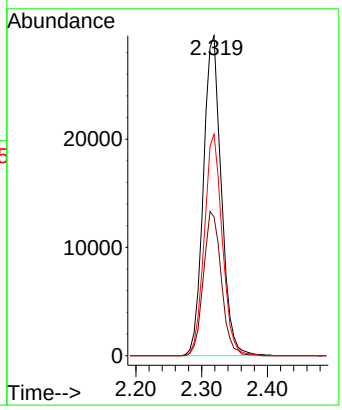
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

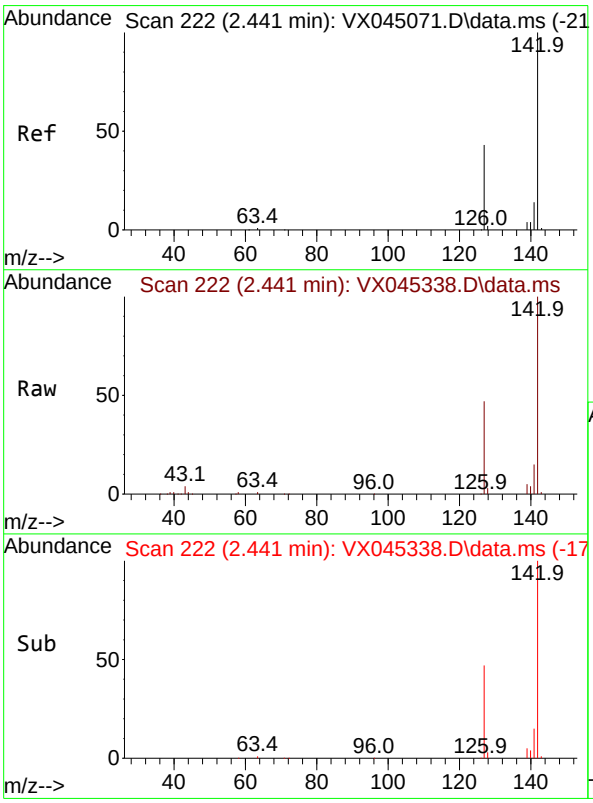
Tgt Ion:101 Resp: 5607

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	69.2	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

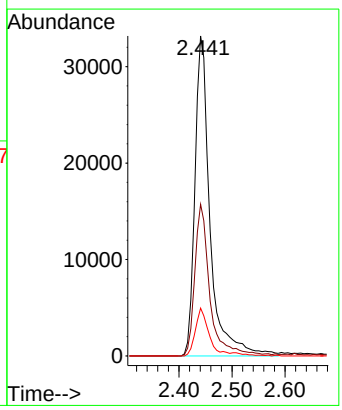


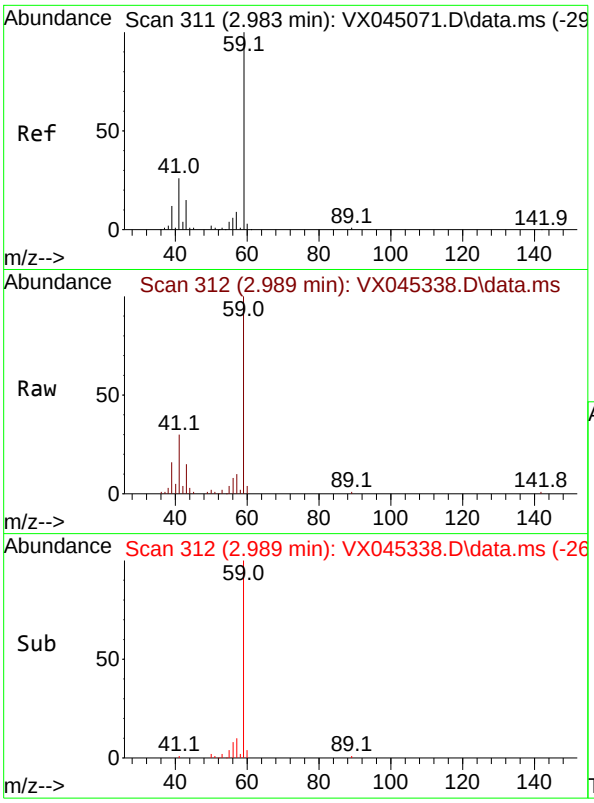


#10
Methyl Iodide
Concen: 53.969 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:142 Resp: 65943

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.4	53.2
141	14.2	11.6	17.4

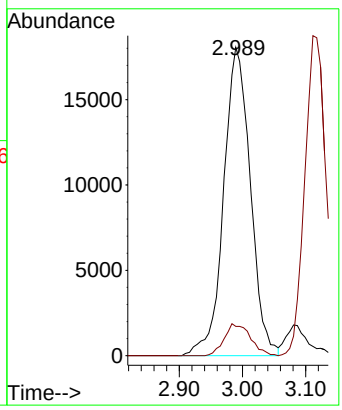




#11
Tert butyl alcohol
Concen: 209.210 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 59 Resp: 5302

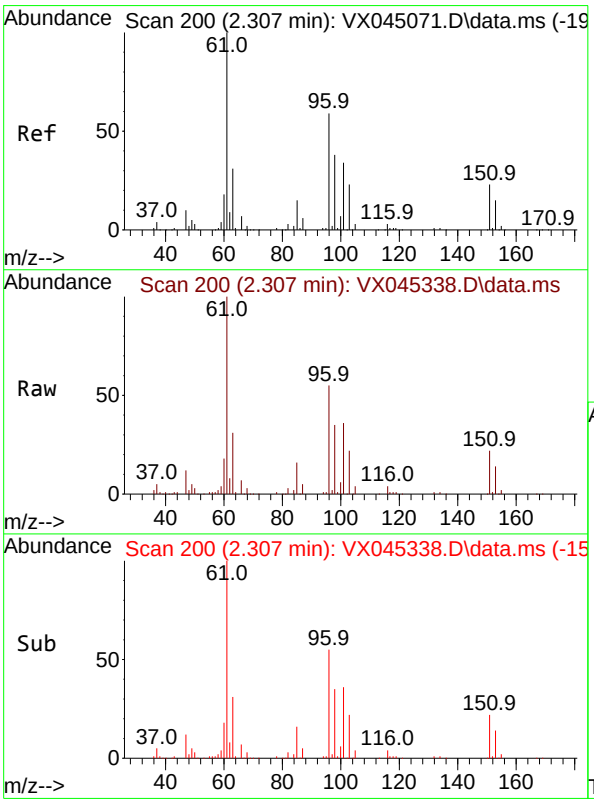
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

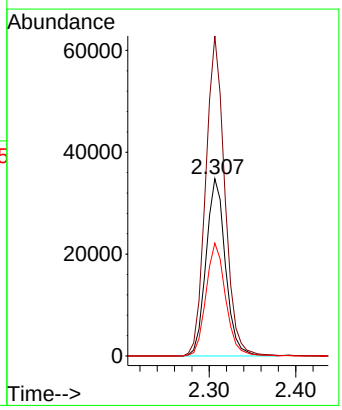
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

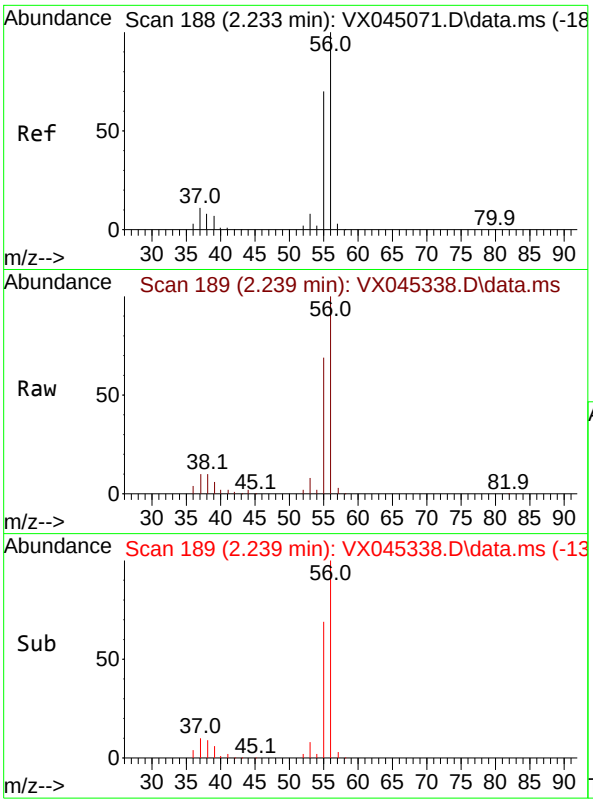


#12
1,1-Dichloroethene
Concen: 52.468 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 96 Resp: 54237

Ion	Ratio	Lower	Upper
96	100		
61	180.5	134.6	202.0
98	63.7	51.0	76.6

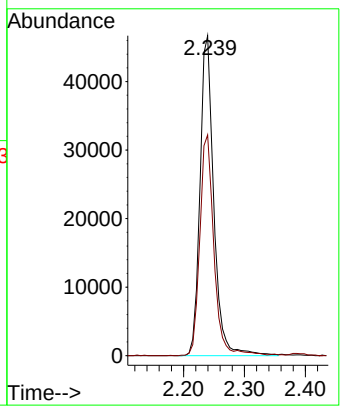




#13
Acrolein
Concen: 250.658 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 56 Resp: 7344

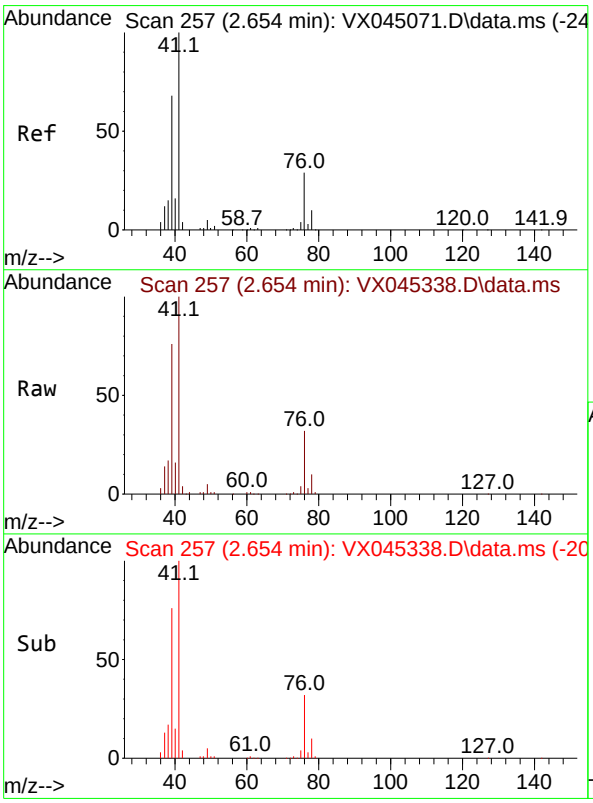
Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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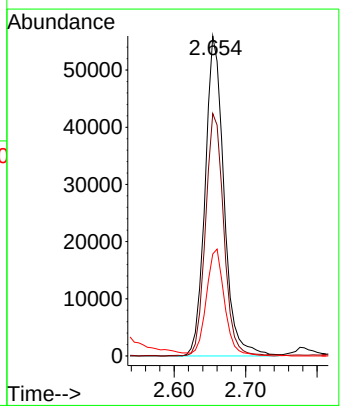
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

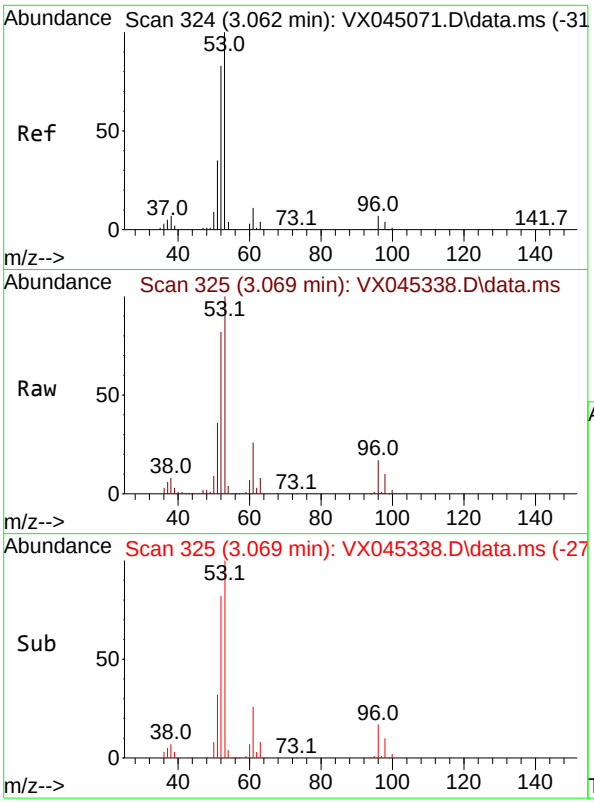


#14
Allyl chloride
Concen: 55.680 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 41 Resp: 102455

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.3	25.2	37.8





#15
Acrylonitrile
Concen: 259.486 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

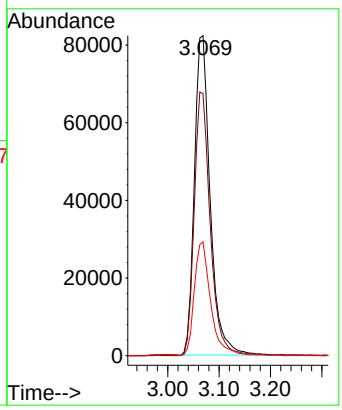
Tgt Ion: 53 Resp: 17627

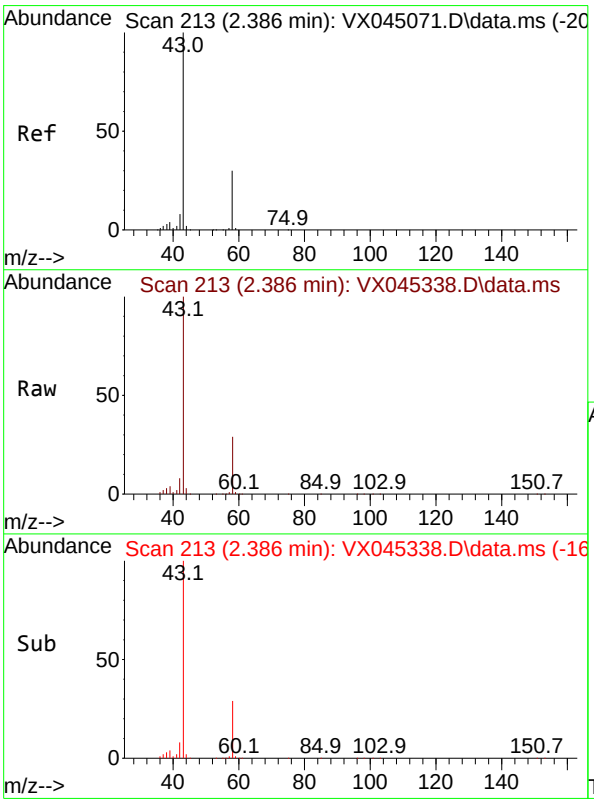
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.7	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

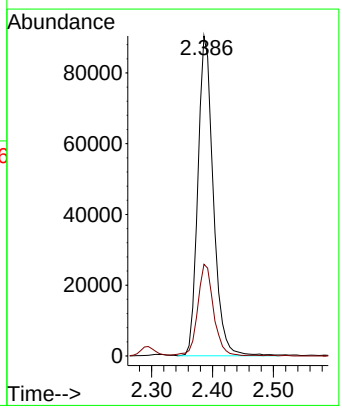


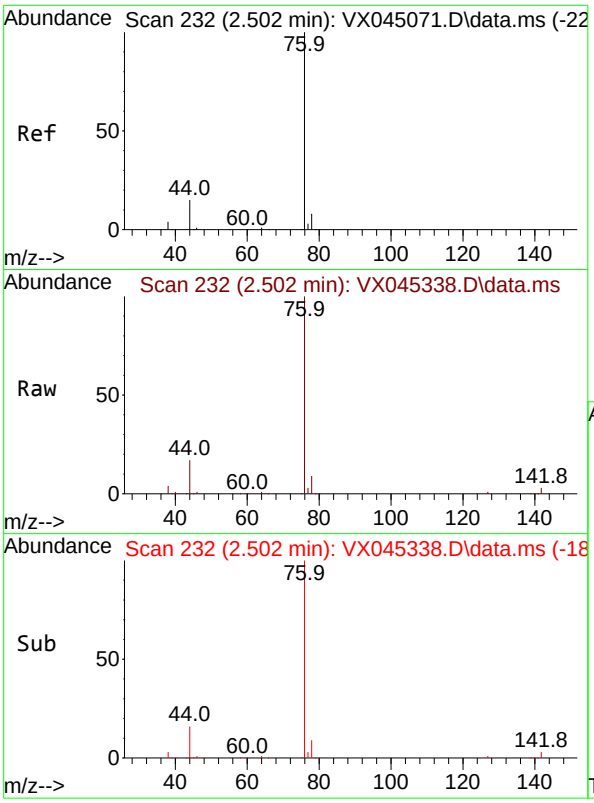


#16
Acetone
Concen: 255.968 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 158918

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

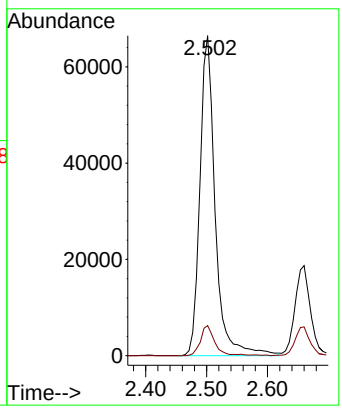




#17
Carbon Disulfide
Concen: 42.049 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 76 Resp: 11577

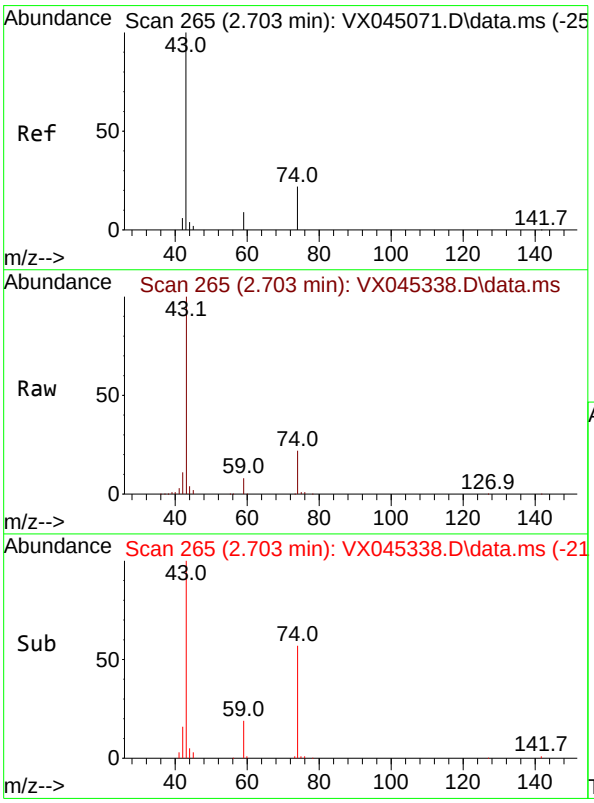
Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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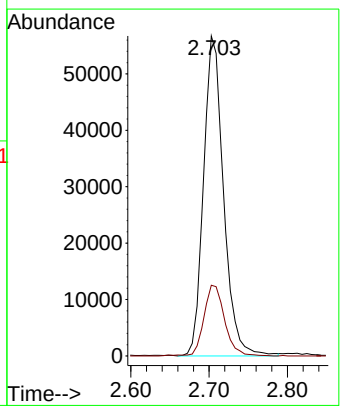
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

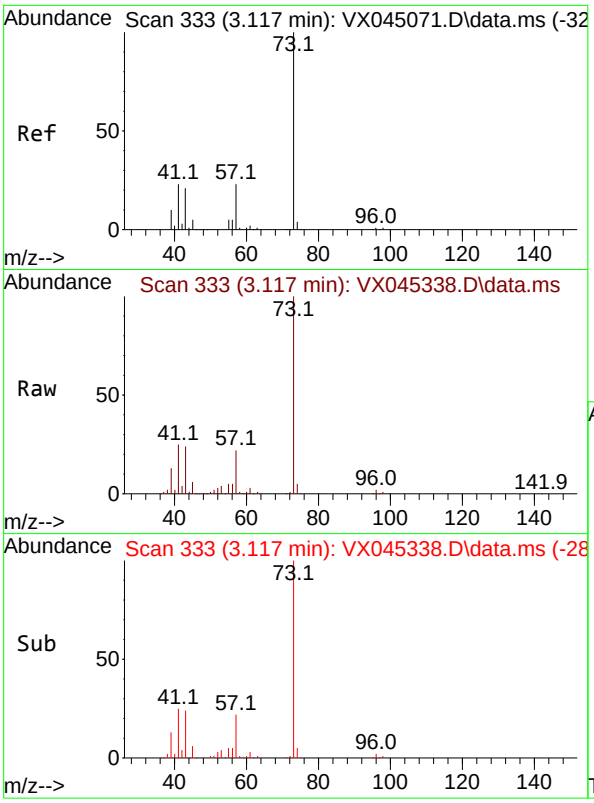


#18
Methyl Acetate
Concen: 67.463 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 100760

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 56.941 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

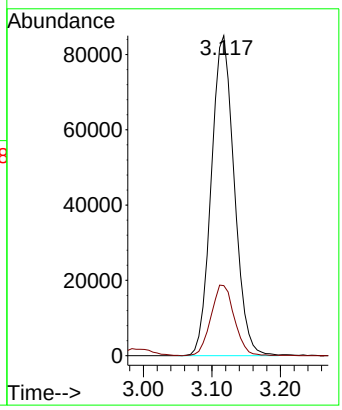
Tgt Ion: 73 Resp: 19747

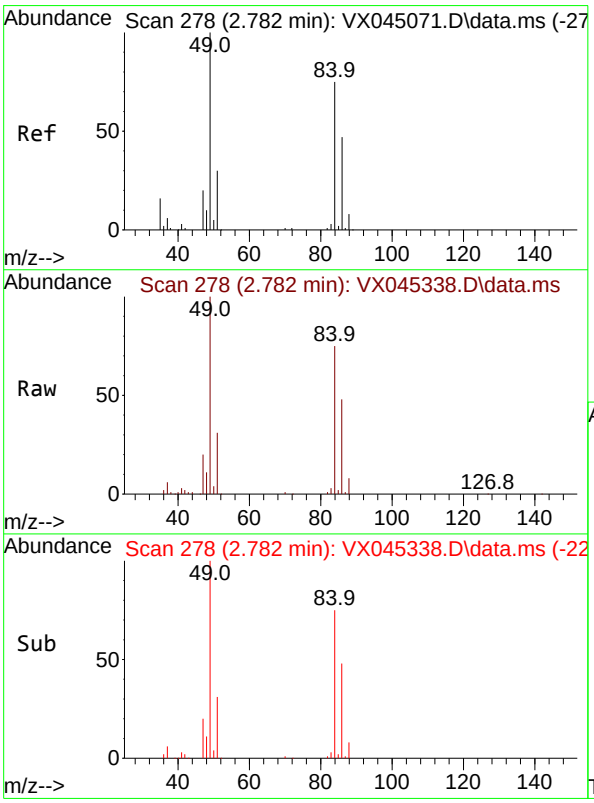
Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

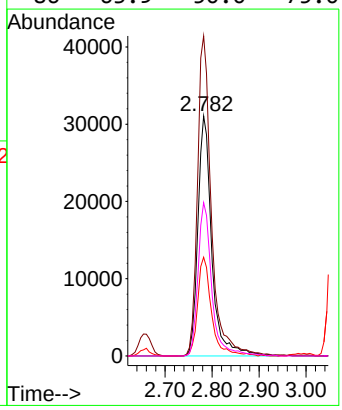


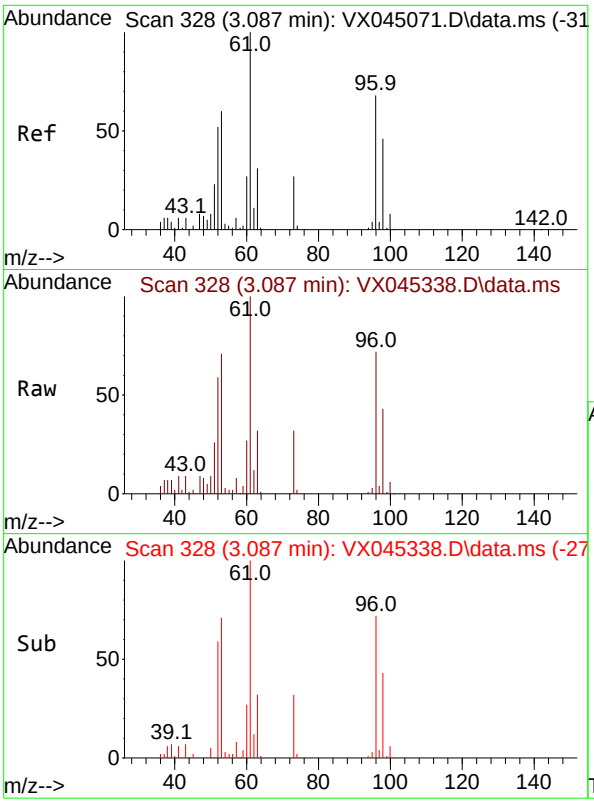


#20
Methylene Chloride
Concen: 52.125 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 84 Resp: 64105

Ion	Ratio	Lower	Upper
84	100		
49	133.3	106.5	159.7
51	41.1	32.1	48.1
86	63.9	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 53.680 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

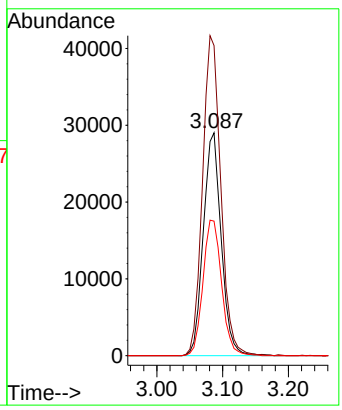
Tgt Ion: 96 Resp: 5482

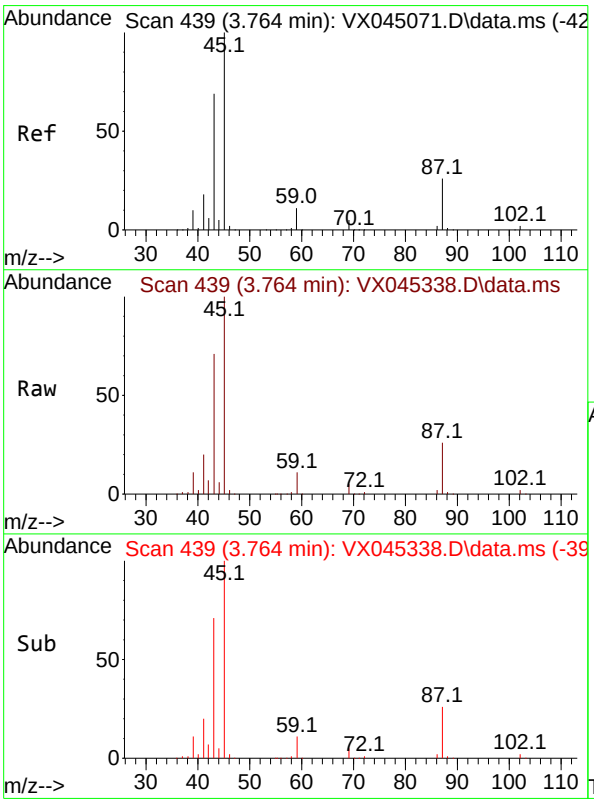
Ion	Ratio	Lower	Upper
96	100		
61	139.1	117.0	175.4
98	60.4	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

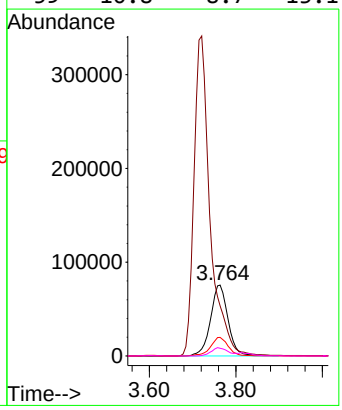


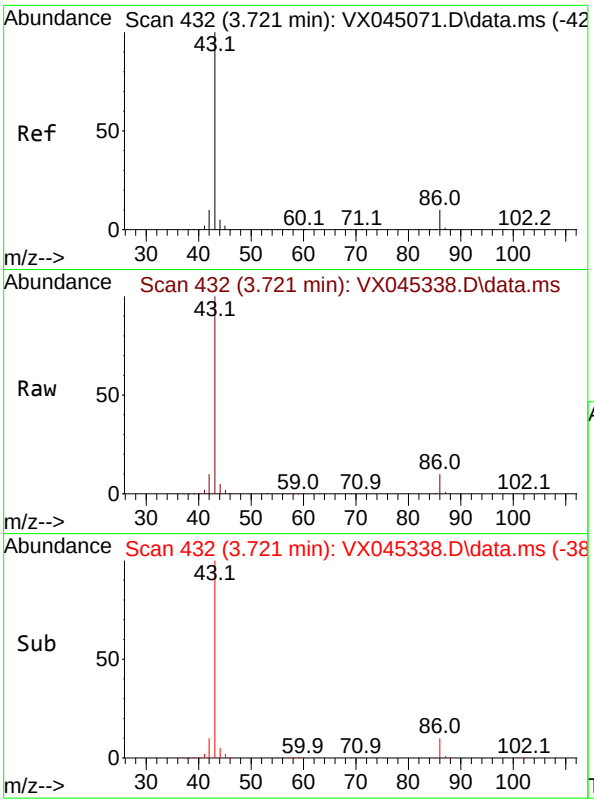


#22
Diisopropyl ether
Concen: 56.869 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 45 Resp: 212818

Ion	Ratio	Lower	Upper
45	100		
43	70.7	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 283.056 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

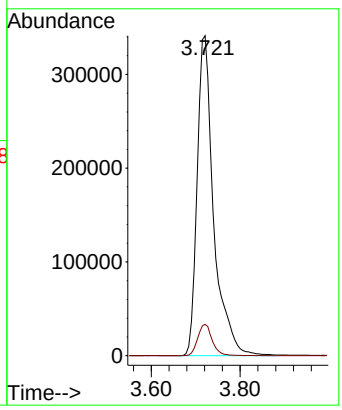
Tgt Ion: 43 Resp: 88396

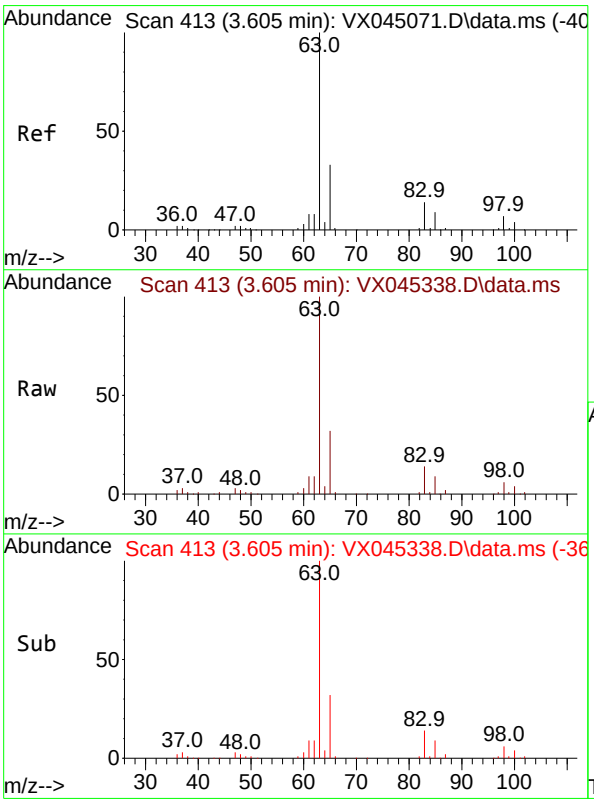
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

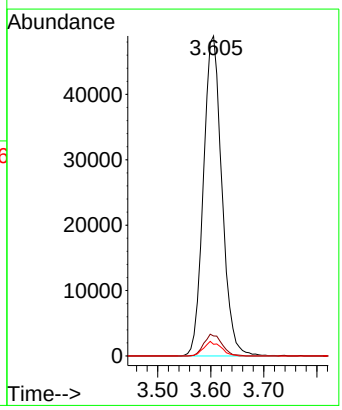


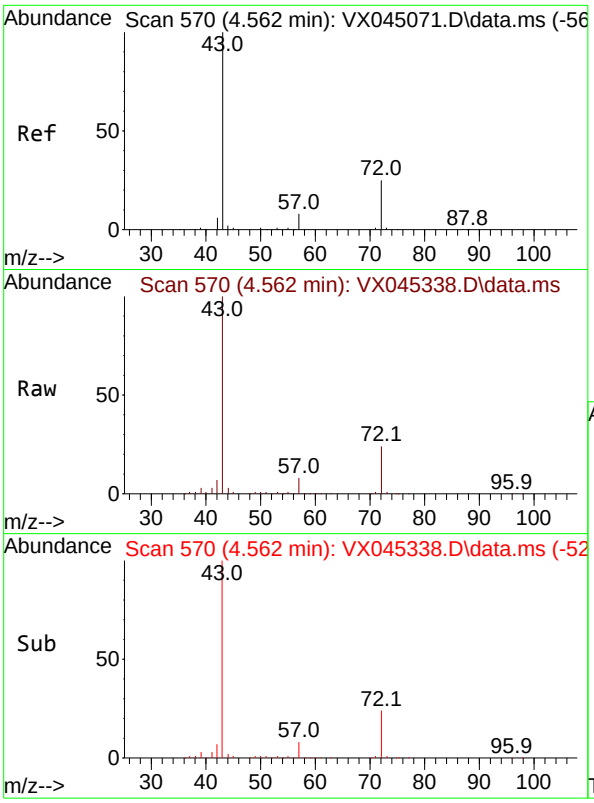


#24
1,1-Dichloroethane
Concen: 56.414 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 63 Resp: 118316

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.2
100	3.6	2.1	6.5





#25
2-Butanone
Concen: 265.213 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

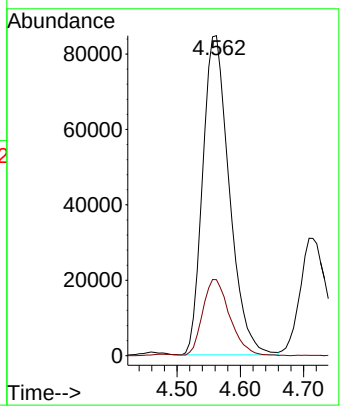
Tgt Ion: 43 Resp: 24785

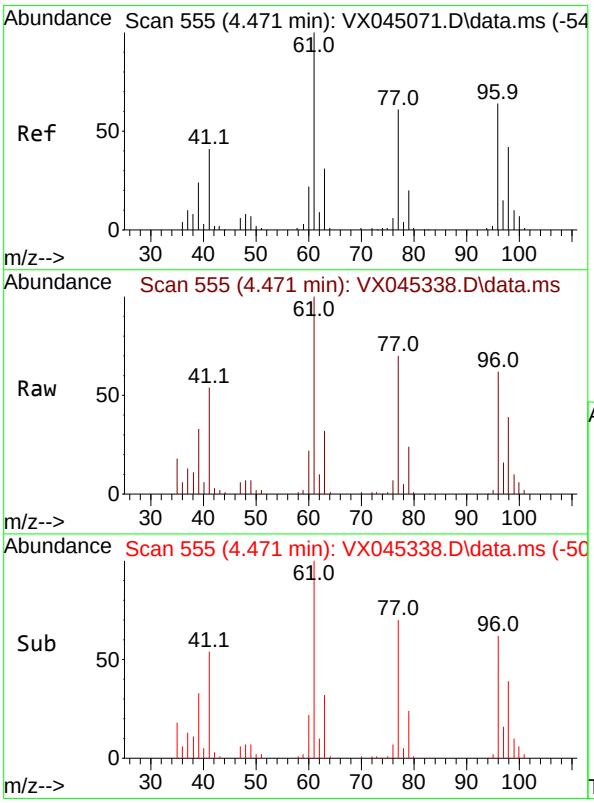
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

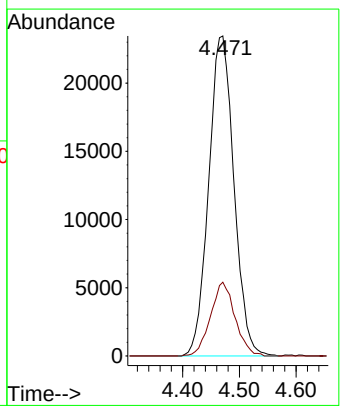


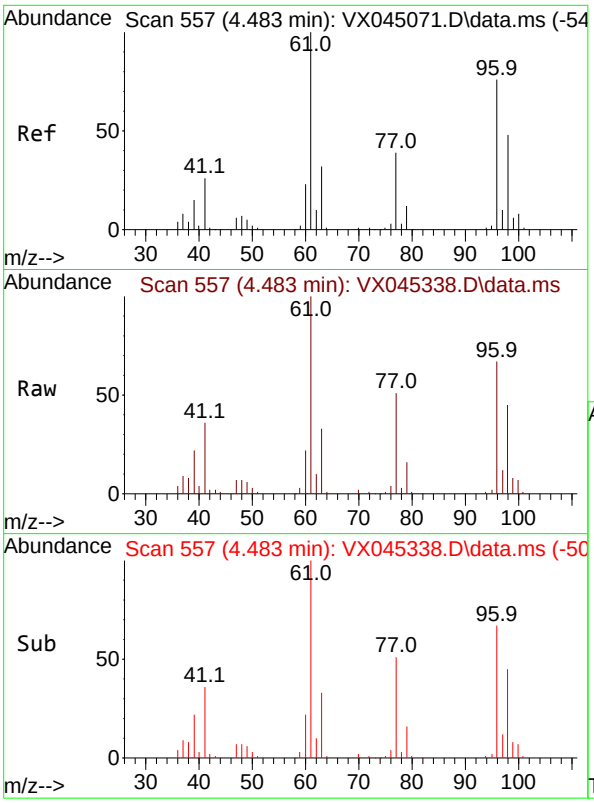


#26
2,2-Dichloropropane
Concen: 73.651 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 77 Resp: 72453

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0

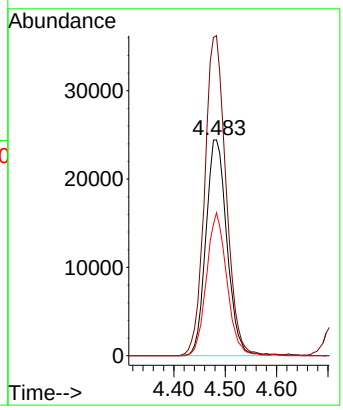




#27
cis-1,2-Dichloroethene
Concen: 55.166 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 96 Resp: 6954

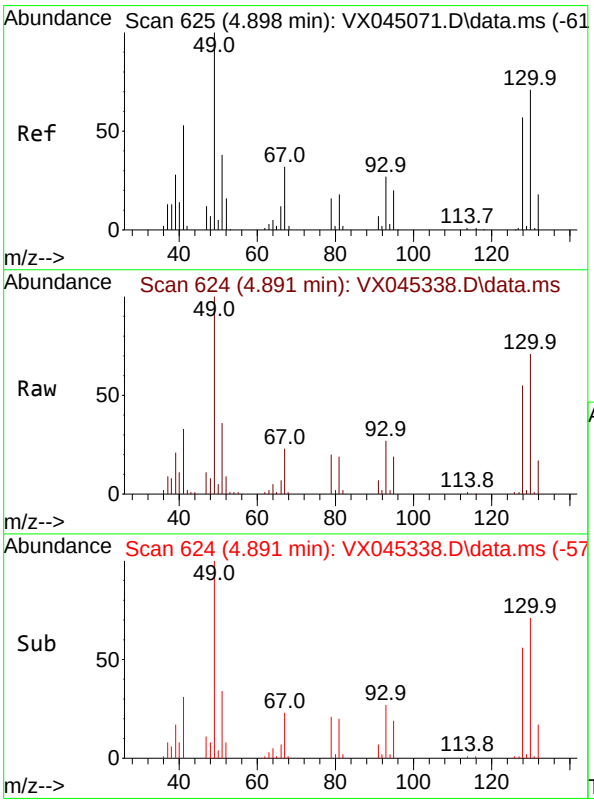
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	283.2
98	63.9	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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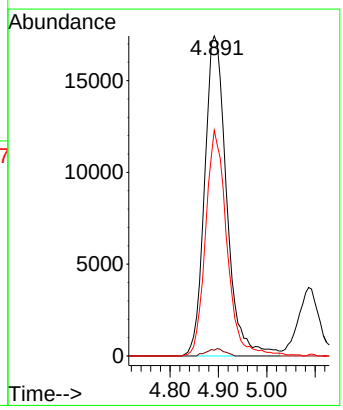
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

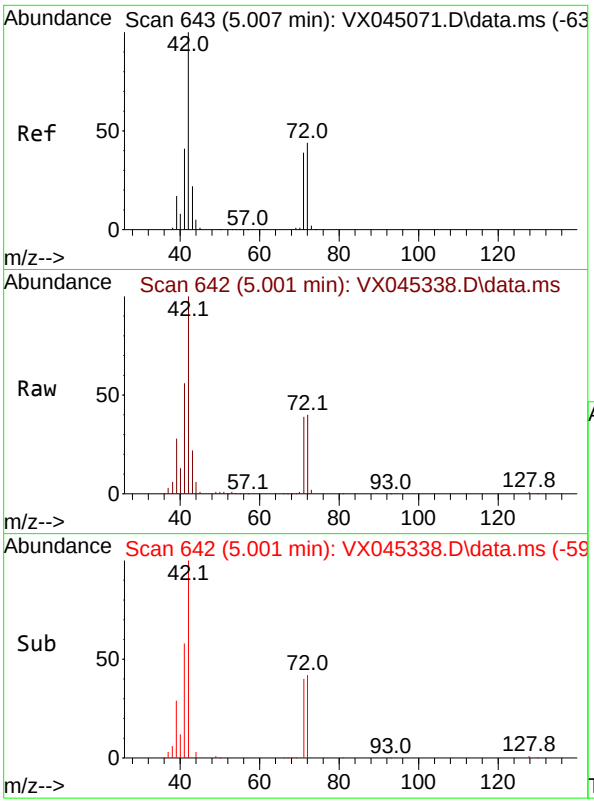


#28
Bromochloromethane
Concen: 55.186 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 49 Resp: 55167

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.4	56.1	84.1

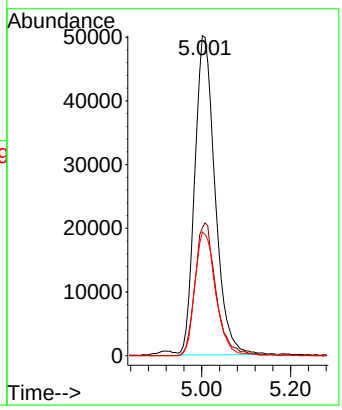




#29
Tetrahydrofuran
Concen: 254.403 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 42 Resp: 15966

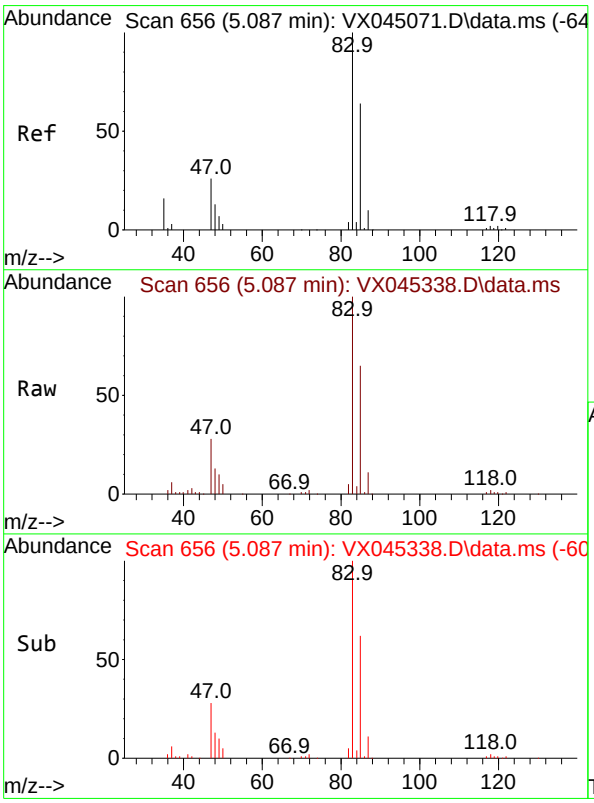
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.1	51.1
71	39.7	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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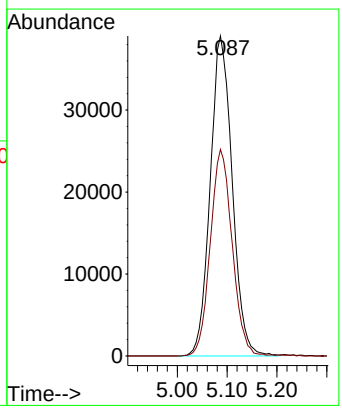
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

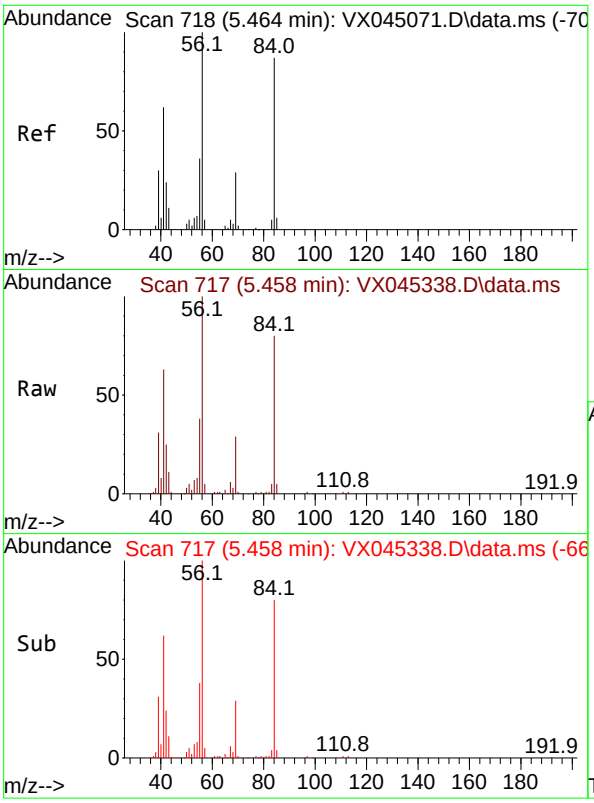


#30
Chloroform
Concen: 57.373 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 83 Resp: 119558

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2

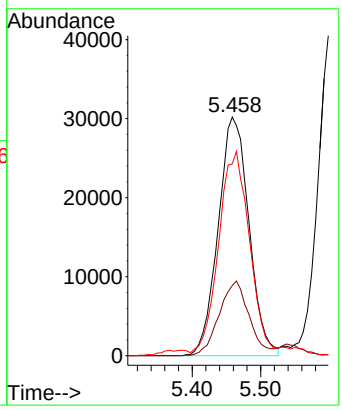




#31
Cyclohexane
Concen: 51.717 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 56 Resp: 9415

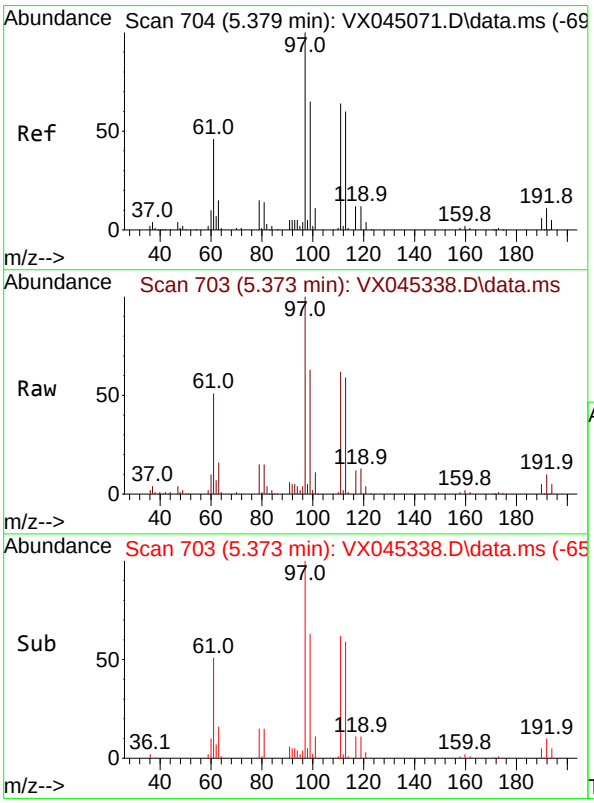
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	78.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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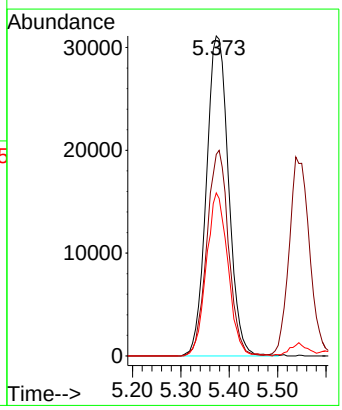
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

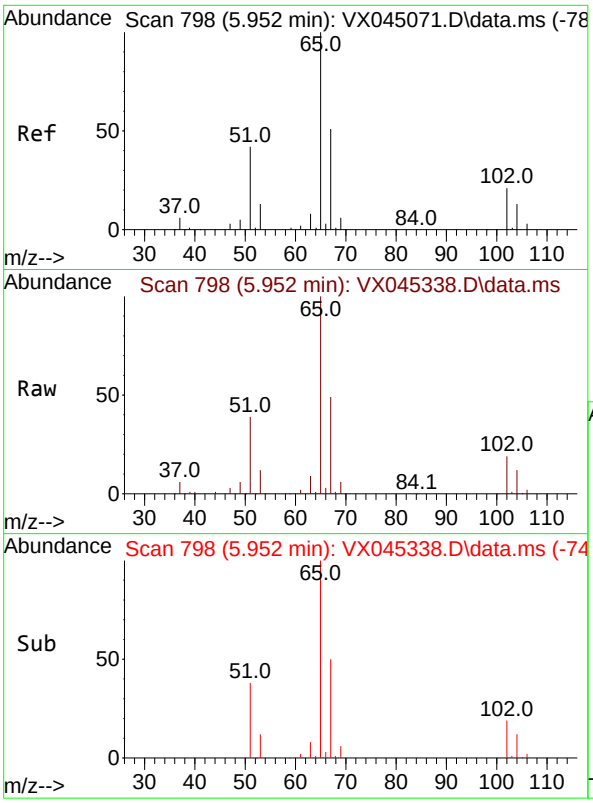


#32
1,1,1-Trichloroethane
Concen: 58.821 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 97 Resp: 98999

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	49.9	38.4	57.6

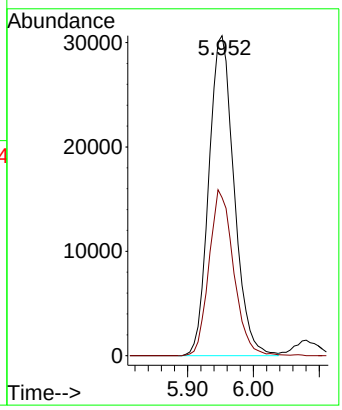




#33
1,2-Dichloroethane-d4
Concen: 61.200 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 65 Resp: 8189

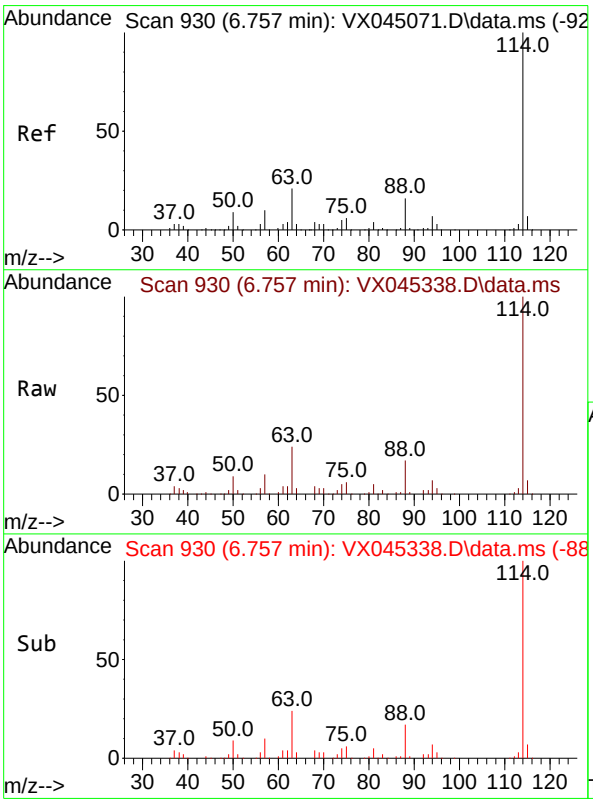
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

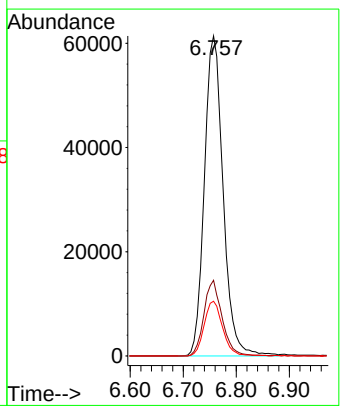
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

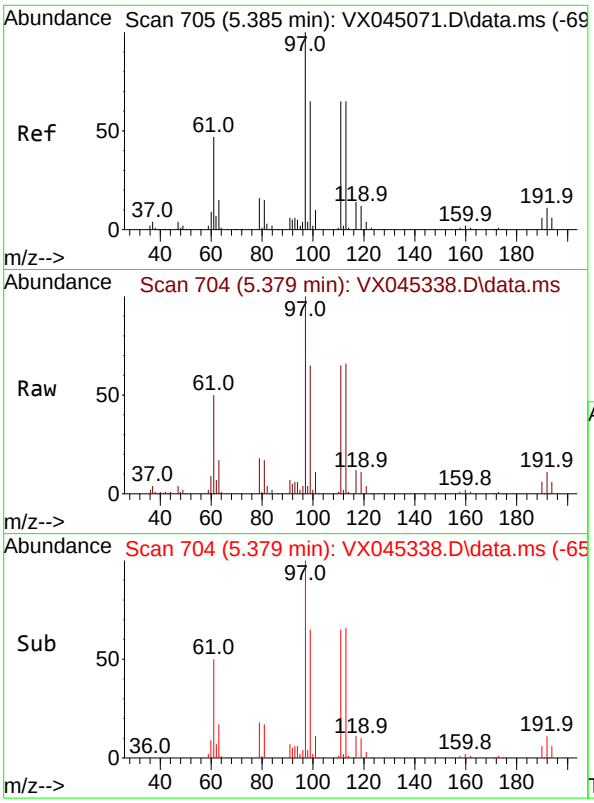


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:114 Resp: 150662

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	17.1	0.0	32.8

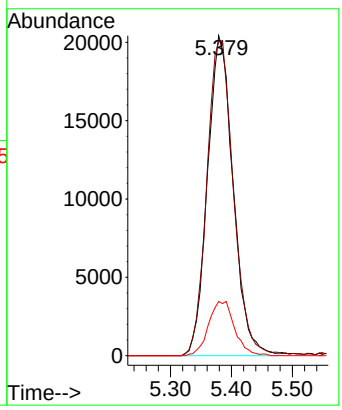




#35
Dibromofluoromethane
Concen: 59.296 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:113 Resp: 5973

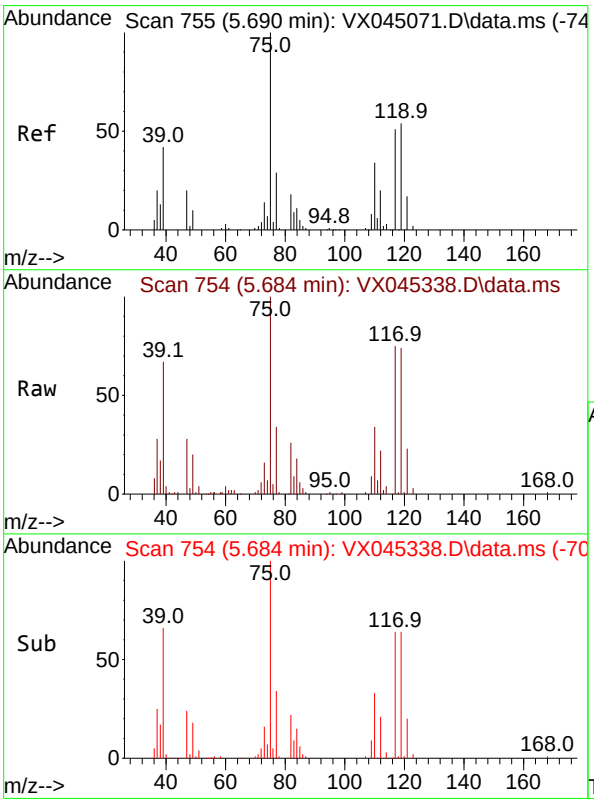
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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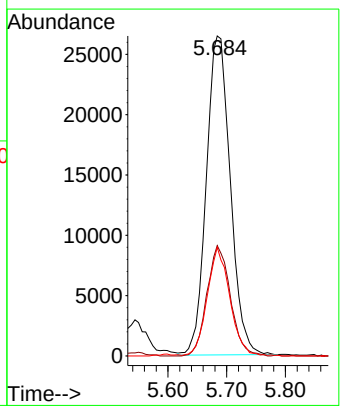
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

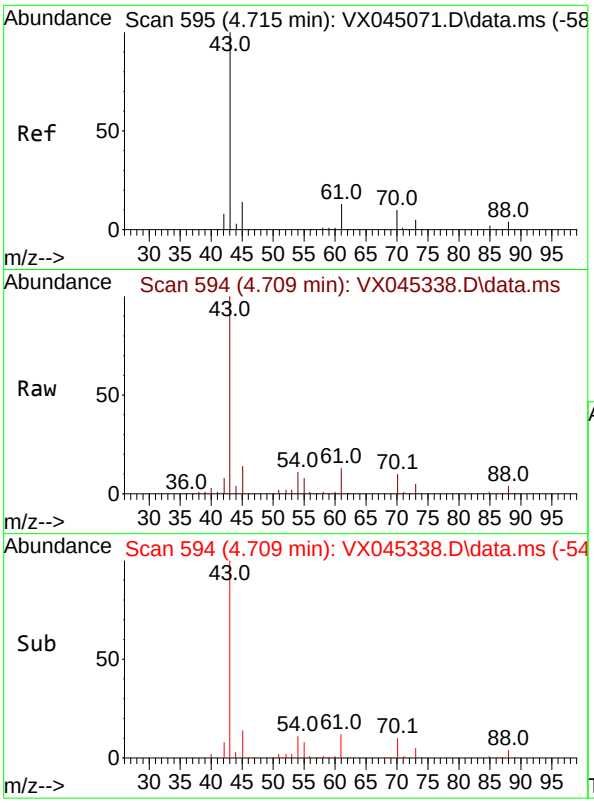


#36
1,1-Dichloropropene
Concen: 54.316 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 75043

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	32.2	24.5	36.7

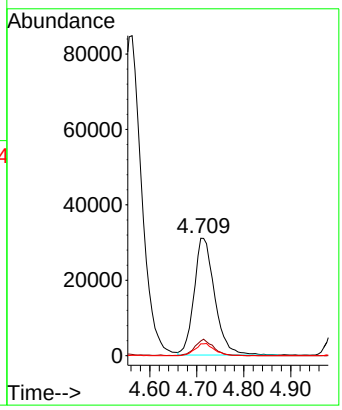




#37
Ethyl Acetate
Concen: 53.112 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

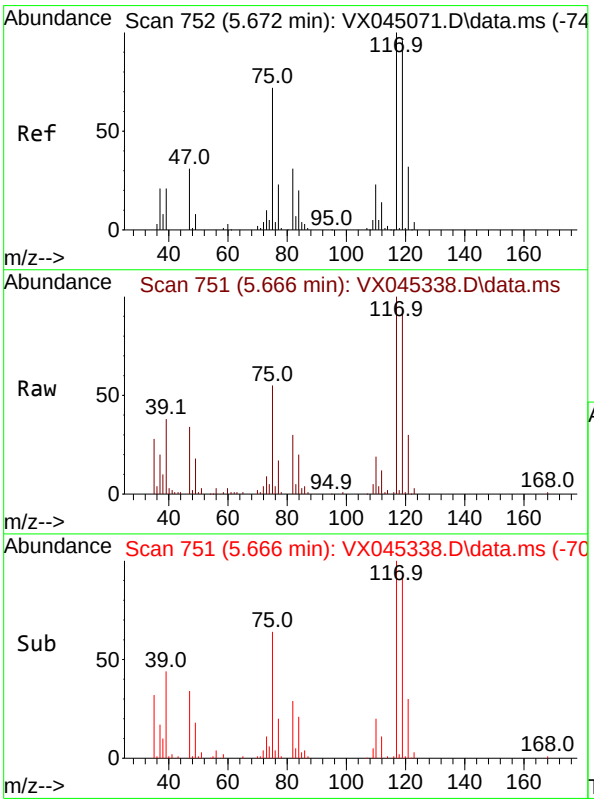
Tgt Ion: 43 Resp: 9455

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.7	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

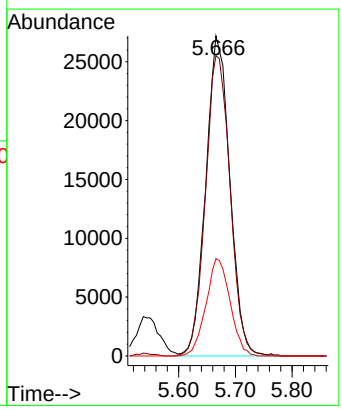
Manual Integrations APPROVED
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

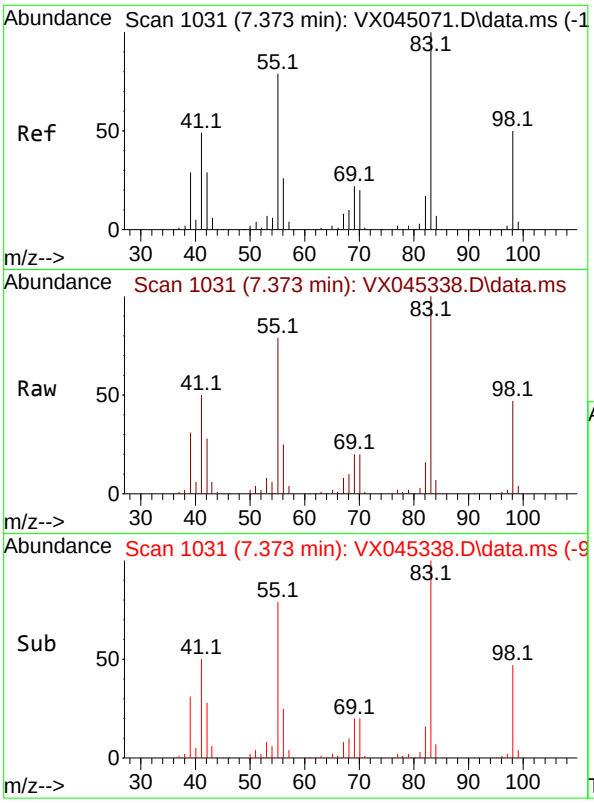


#38
Carbon Tetrachloride
Concen: 57.276 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:117 Resp: 80339

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.7	115.1
121	30.4	25.5	38.3

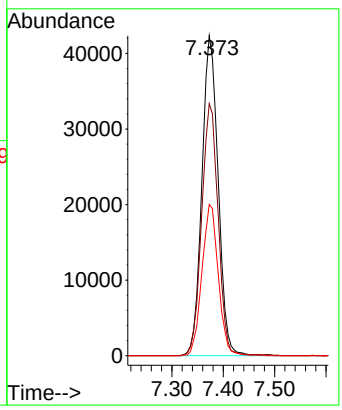




#39
Methylcyclohexane
Concen: 56.101 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 83 Resp: 9287

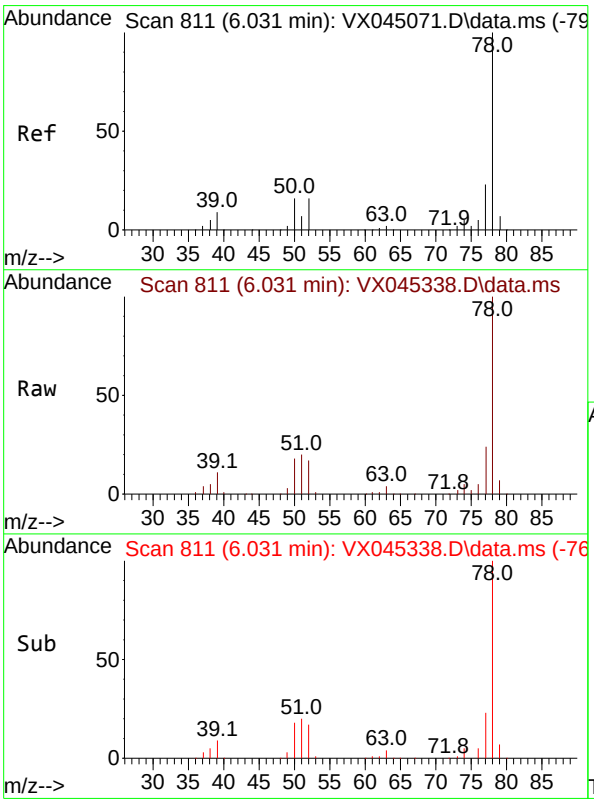
Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.0	94.4
98	47.3	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

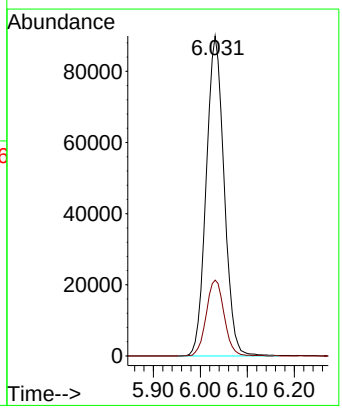
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

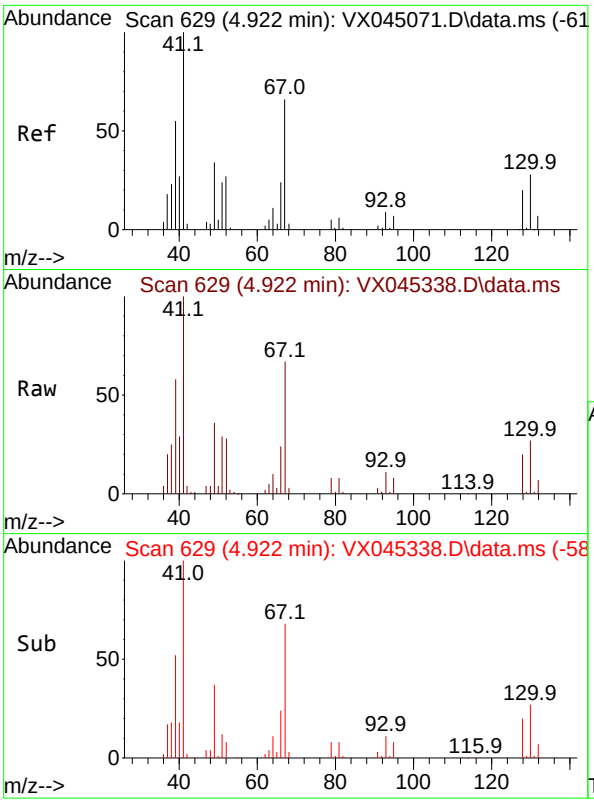


#40
Benzene
Concen: 54.440 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 78 Resp: 237509

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

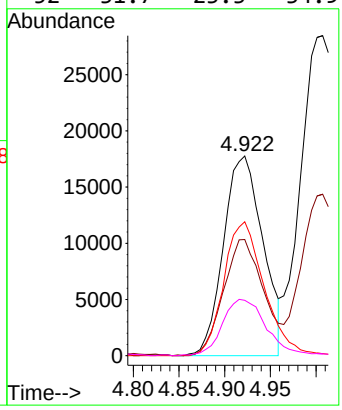




#41
Methacrylonitrile
Concen: 55.396 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 41 Resp: 5332

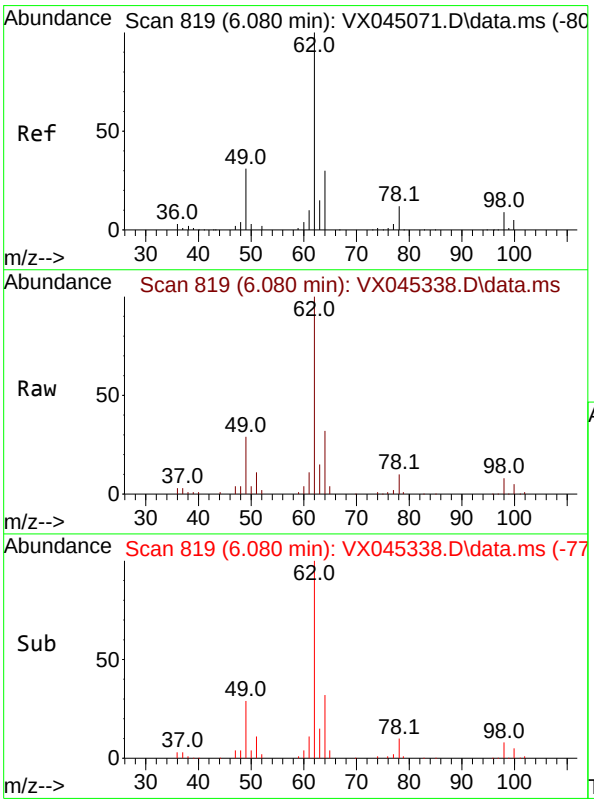
Ion	Ratio	Lower	Upper
41	100		
39	60.0	44.6	67.0
67	69.2	53.9	80.9
52	31.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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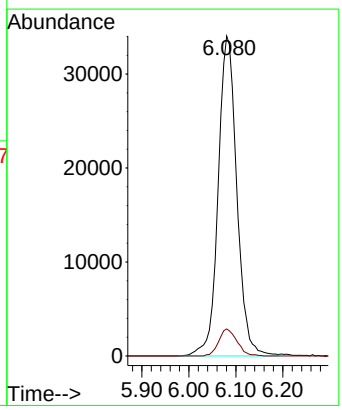
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

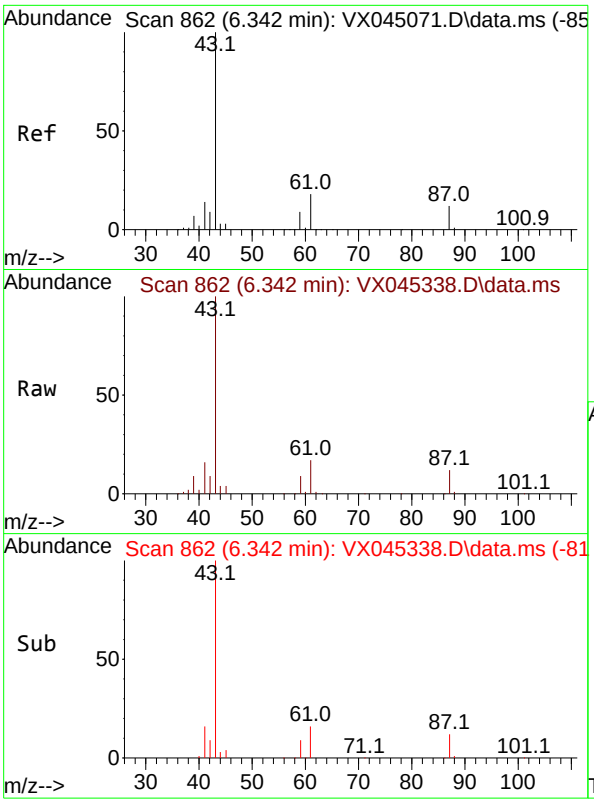


#42
1,2-Dichloroethane
Concen: 59.907 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 62 Resp: 94116

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.2

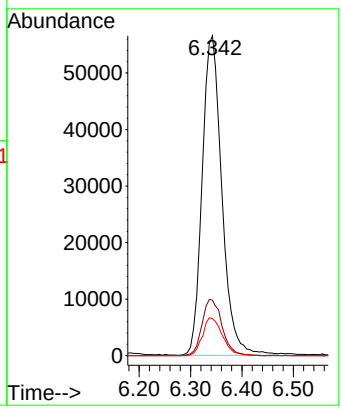




#43
Isopropyl Acetate
Concen: 57.177 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 15051

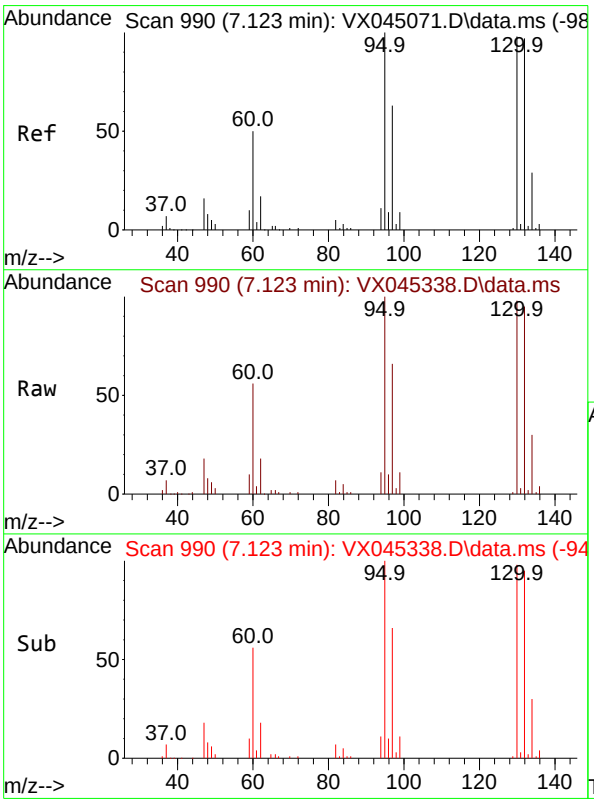
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	12.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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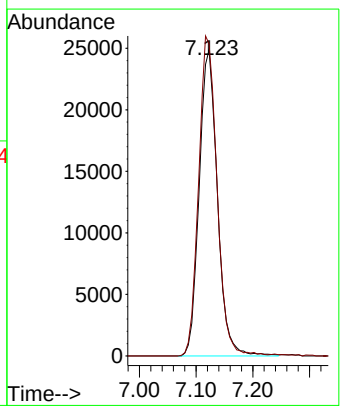
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

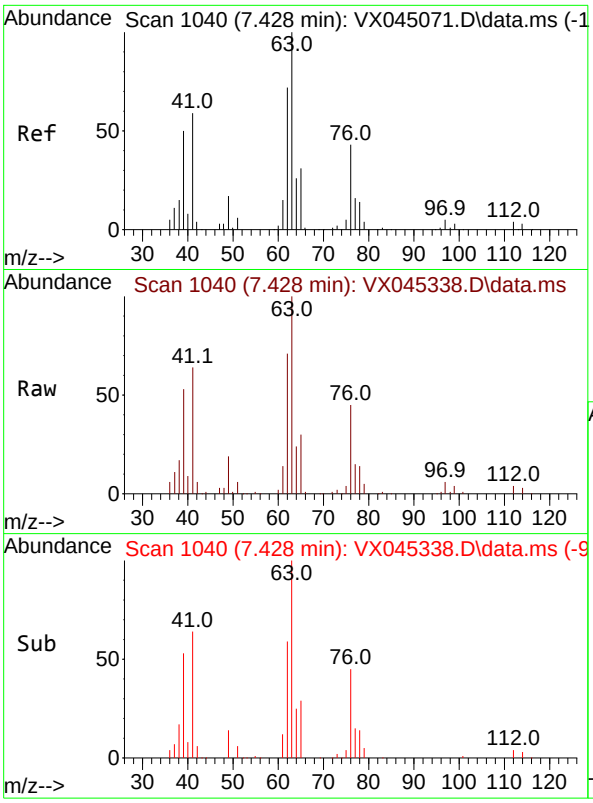


#44
Trichloroethene
Concen: 54.201 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:130 Resp: 55524

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.0

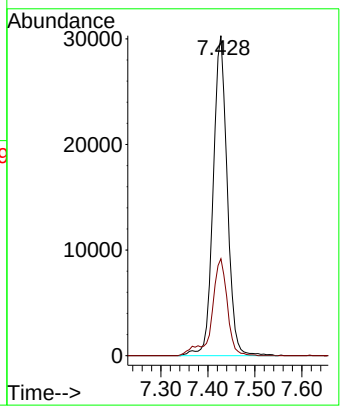




#45
1,2-Dichloropropane
Concen: 56.158 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 63 Resp: 6299

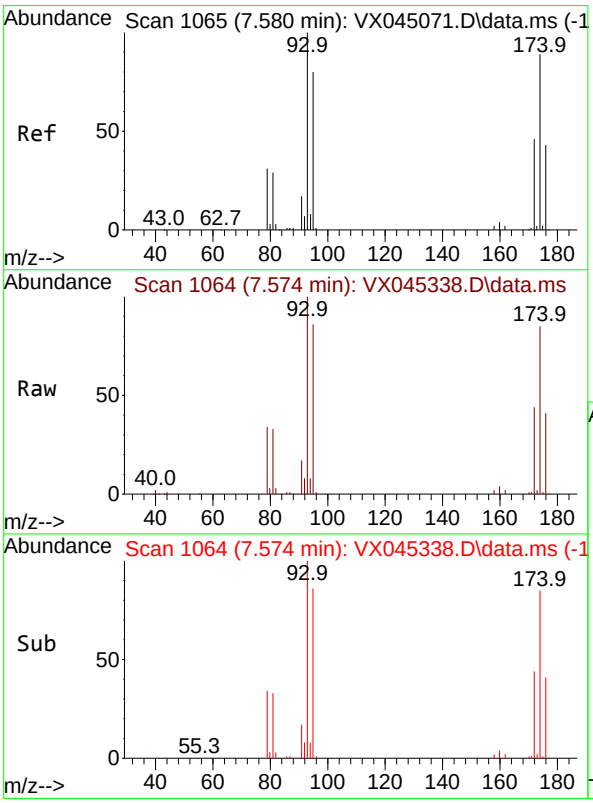
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

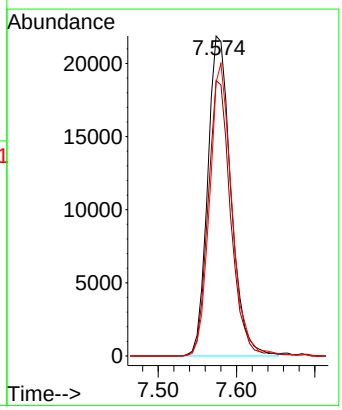
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

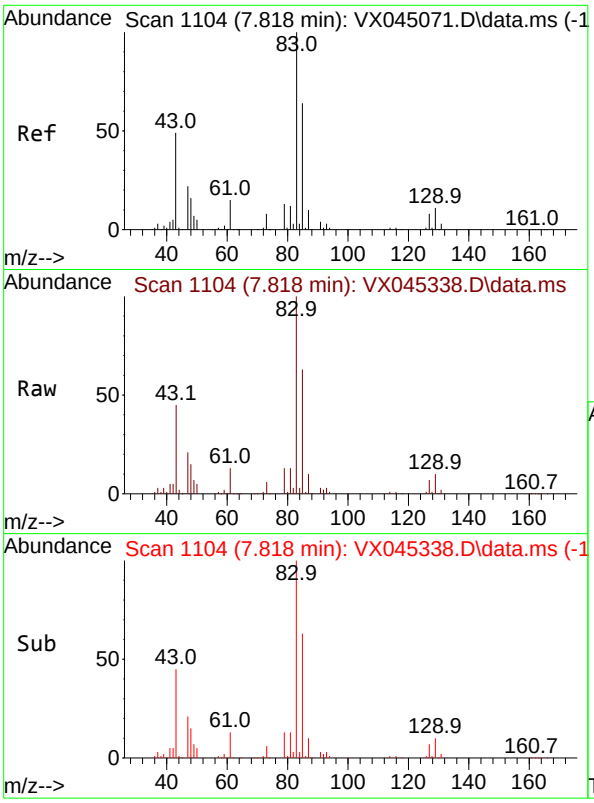


#46
Dibromomethane
Concen: 56.759 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 93 Resp: 45001

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.8	98.8
174	87.8	72.2	108.2

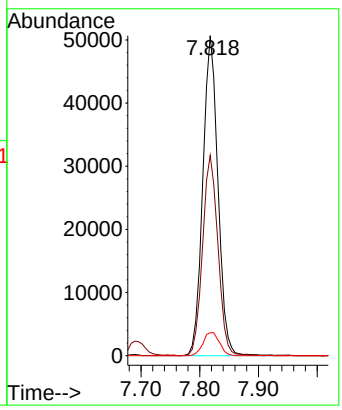




#47
Bromodichloromethane
Concen: 58.336 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 83 Resp: 9072

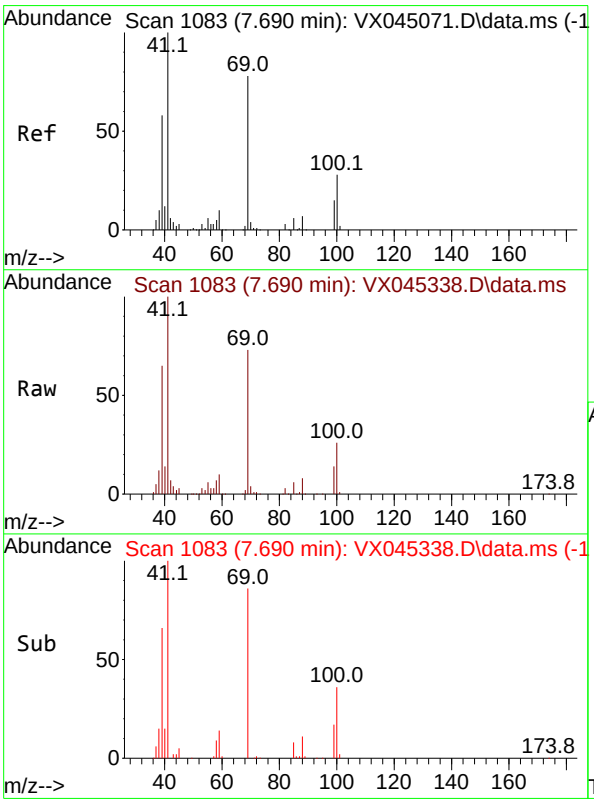
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	7.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

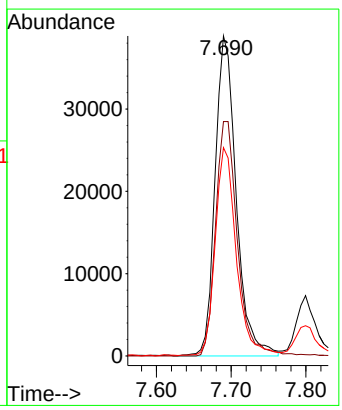
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

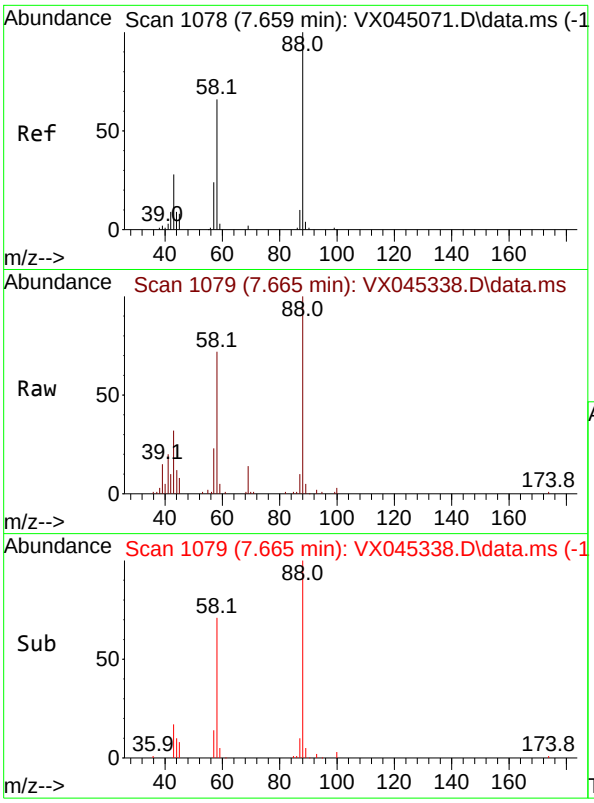


#48
Methyl methacrylate
Concen: 57.992 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 41 Resp: 76591

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	64.5	47.5	71.3





#49
1,4-Dioxane
Concen: 924.511 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

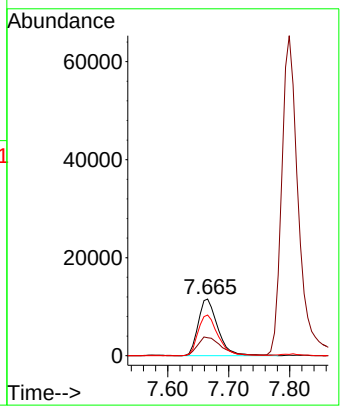
Tgt Ion: 88 Resp: 2575

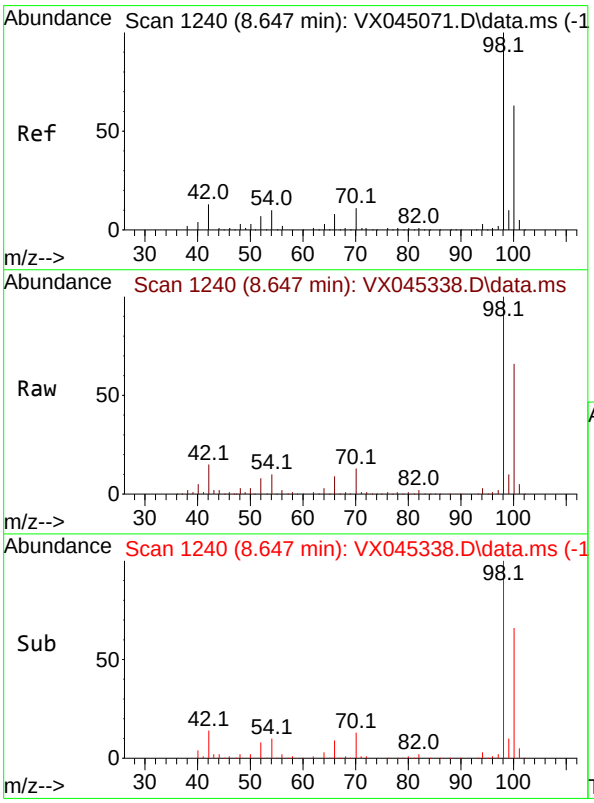
Ion	Ratio	Lower	Upper
88	100		
43	40.2	28.7	43.1
58	73.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

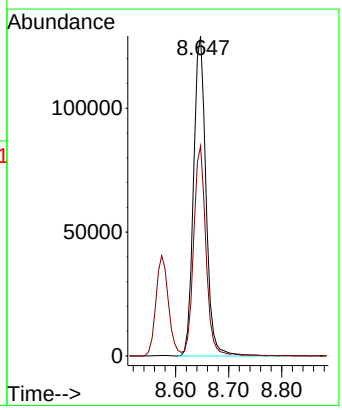


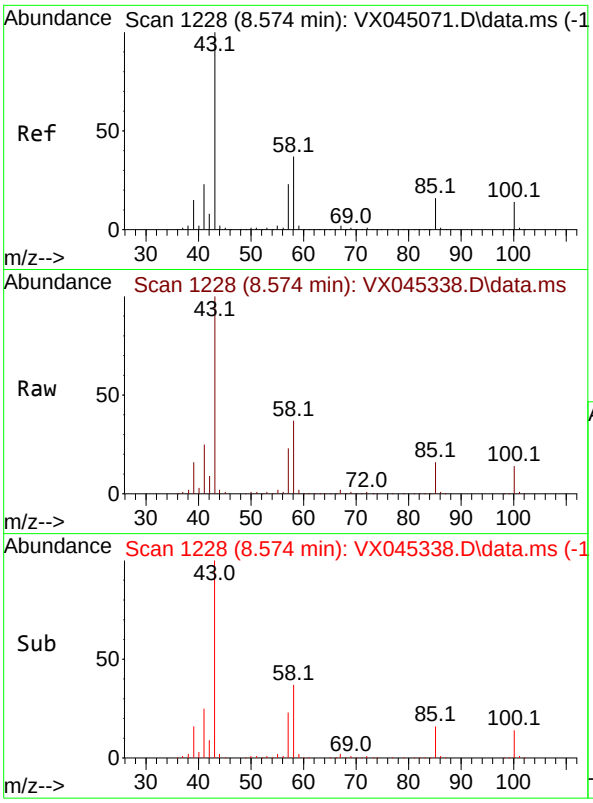


#50
Toluene-d8
Concen: 57.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 98 Resp: 210146

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

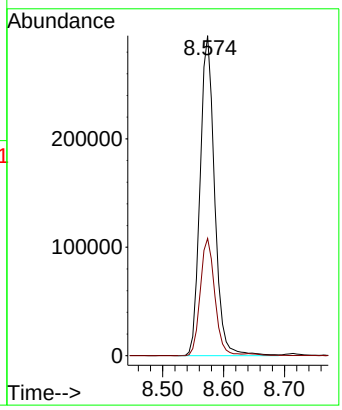




#51
4-Methyl-2-Pentanone
Concen: 277.341 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 49022

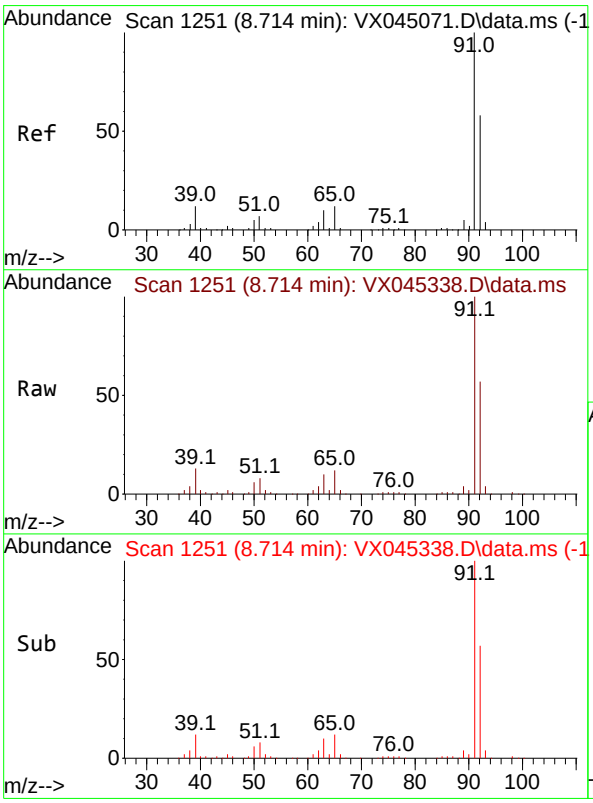
Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

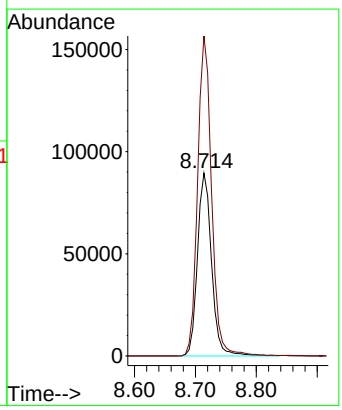
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

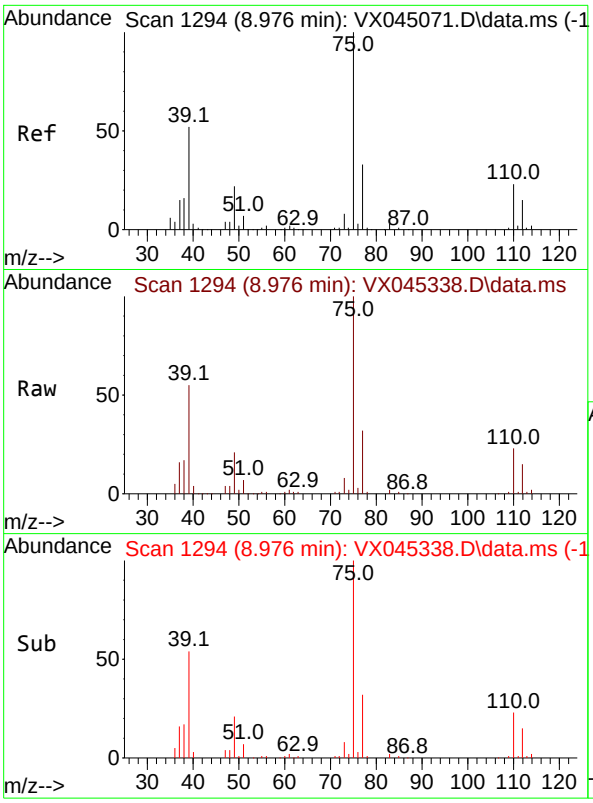


#52
Toluene
Concen: 56.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 92 Resp: 143688

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

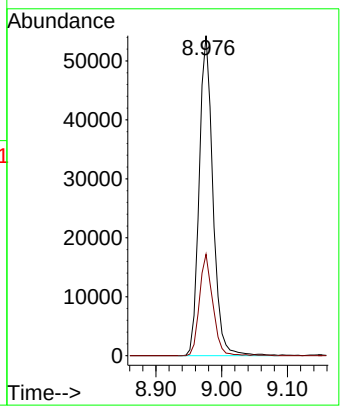




#53
t-1,3-Dichloropropene
Concen: 60.605 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 7879

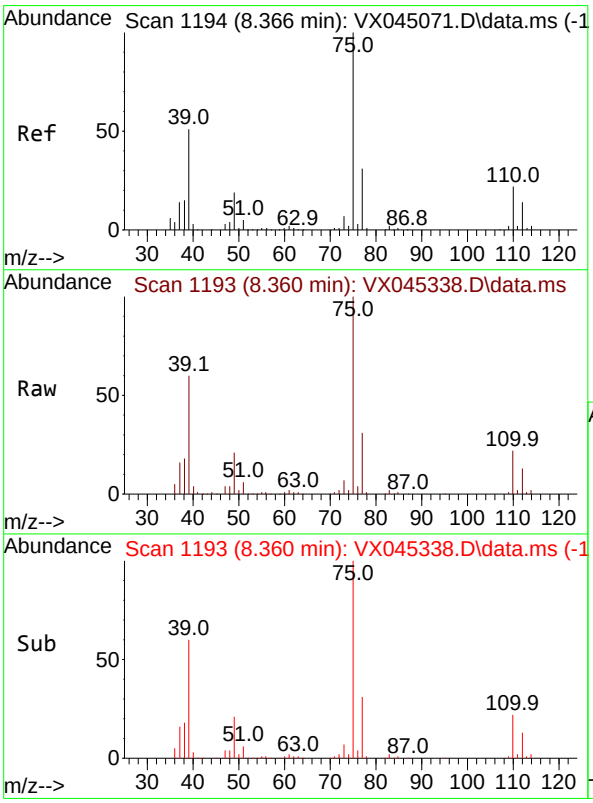
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

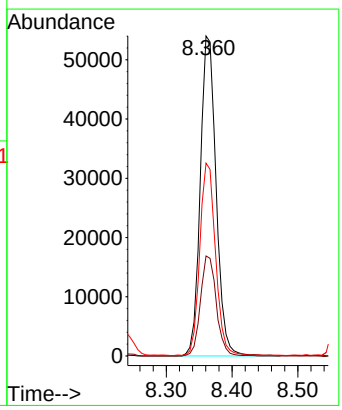
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

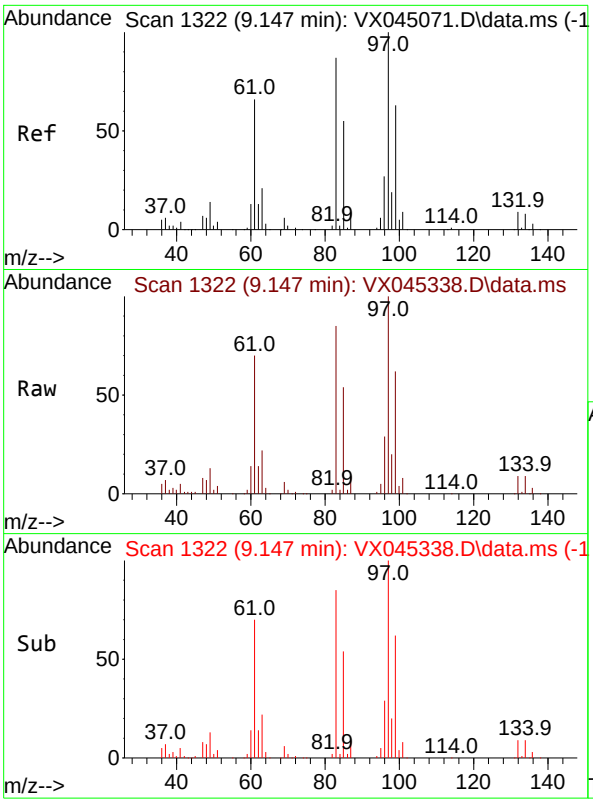


#54
cis-1,3-Dichloropropene
Concen: 59.696 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 90501

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	60.0	40.7	61.1

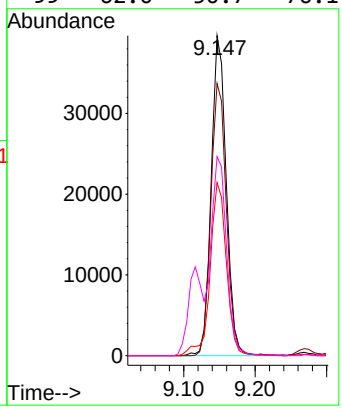




#55
1,1,2-Trichloroethane
Concen: 55.051 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 97 Resp: 5801

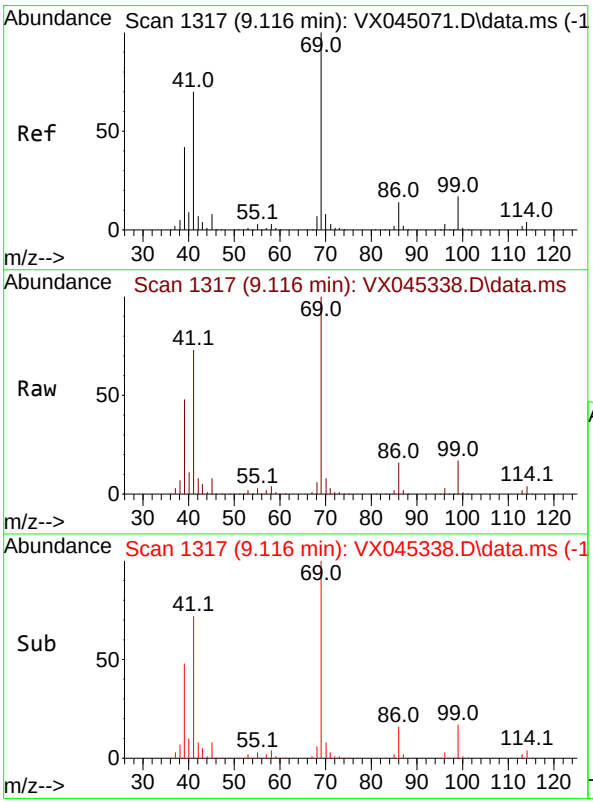
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.4	104.2
85	54.1	44.1	66.1
99	62.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

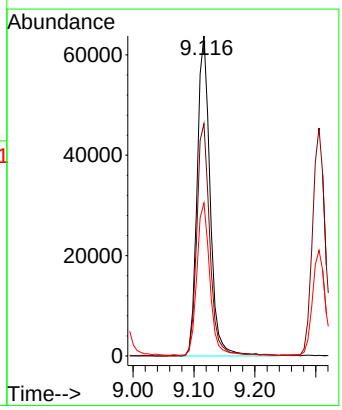
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

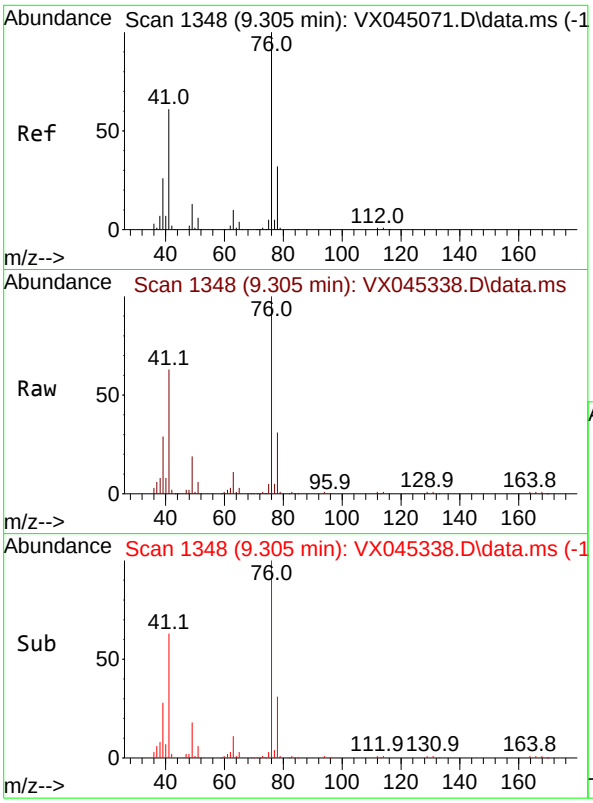


#56
Ethyl methacrylate
Concen: 58.695 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 69 Resp: 94019

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	48.2	34.2	51.4

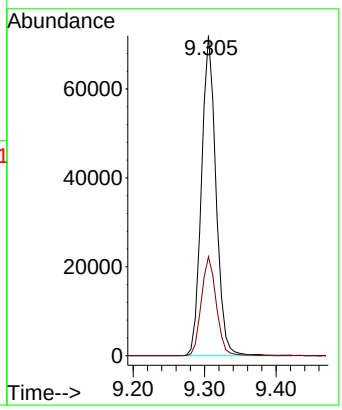




#57
1,3-Dichloropropane
Concen: 55.593 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 76 Resp: 10138

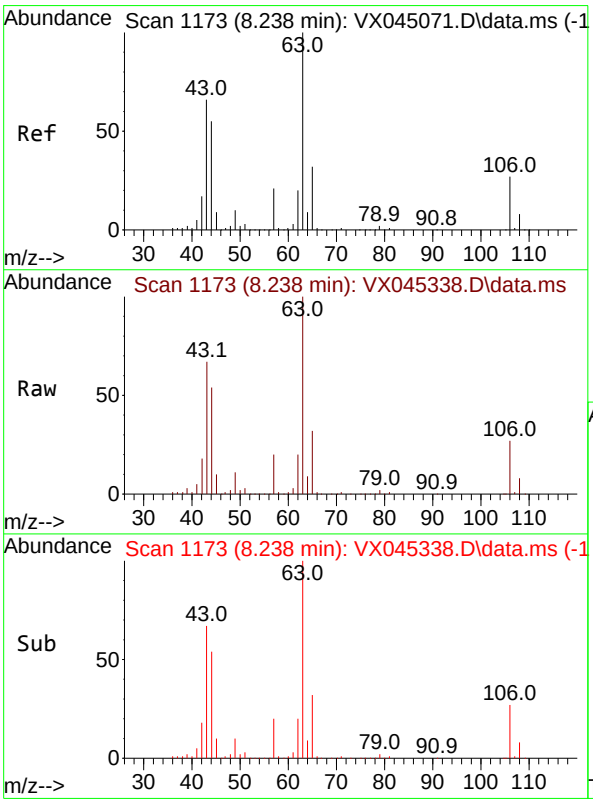
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

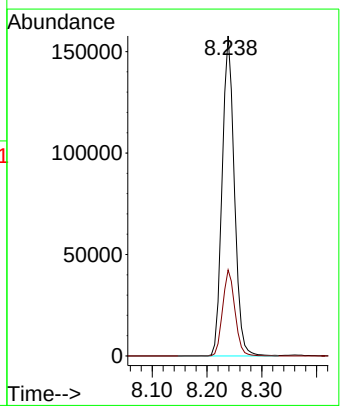
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

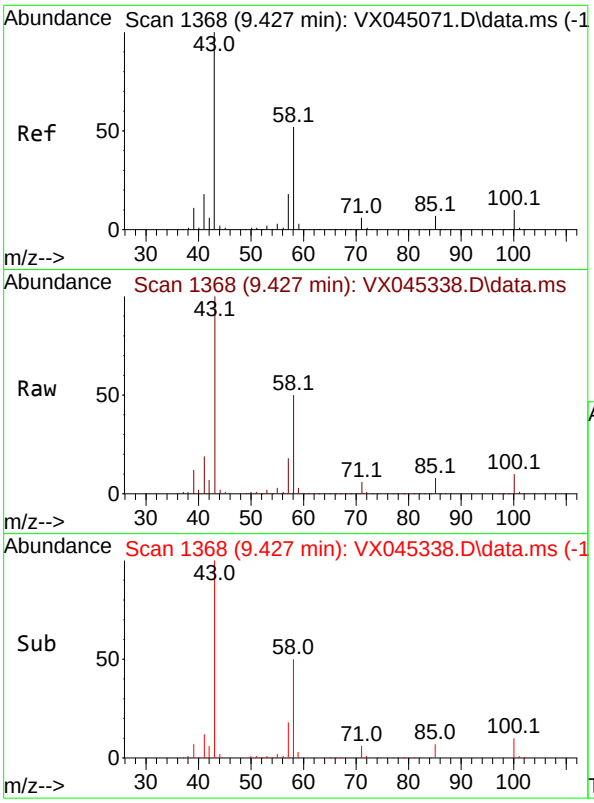


#58
2-Chloroethyl Vinyl ether
Concen: 314.370 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 63 Resp: 245641

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3





#59
2-Hexanone
Concen: 277.843 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

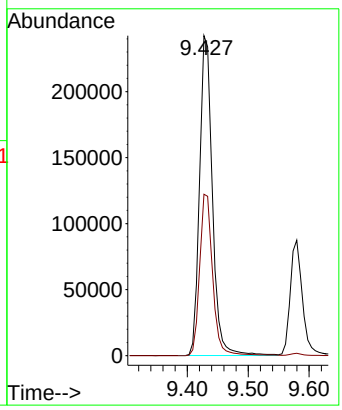
Tgt Ion: 43 Resp: 35583

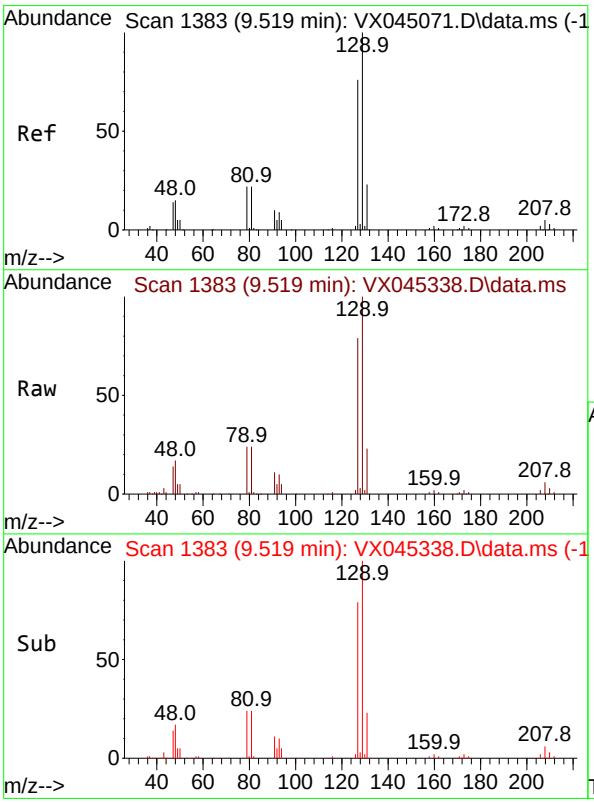
Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

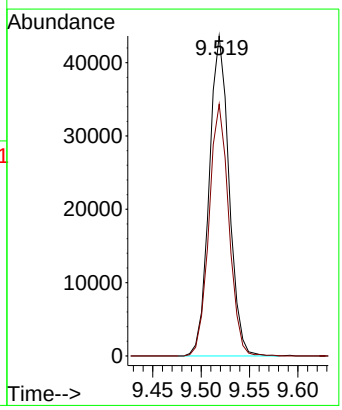


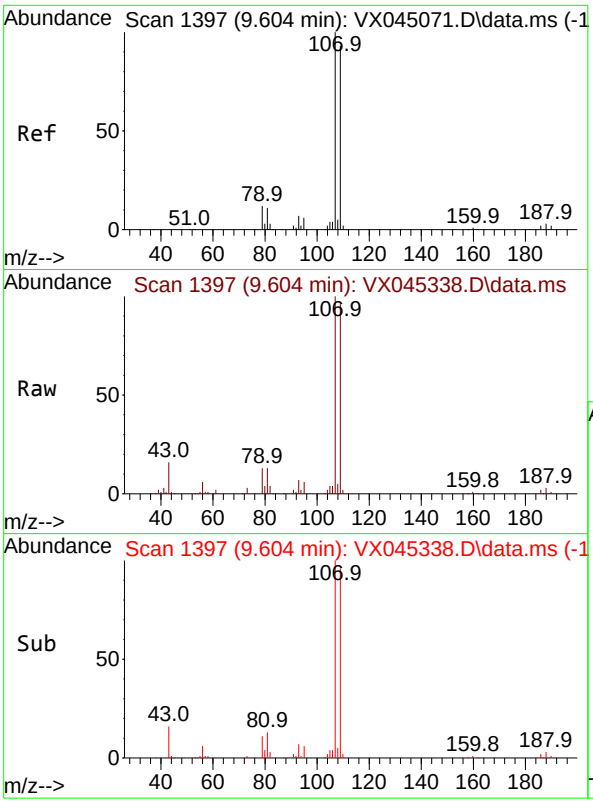


#60
Dibromochloromethane
Concen: 56.538 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:129 Resp: 62295

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5

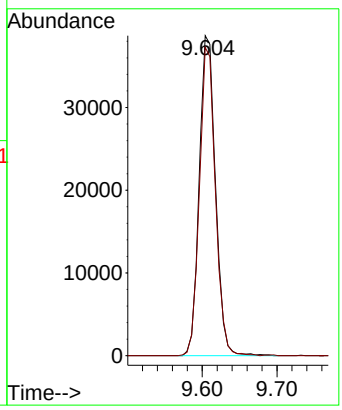




#61
1,2-Dibromoethane
Concen: 55.404 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:107 Resp: 5828

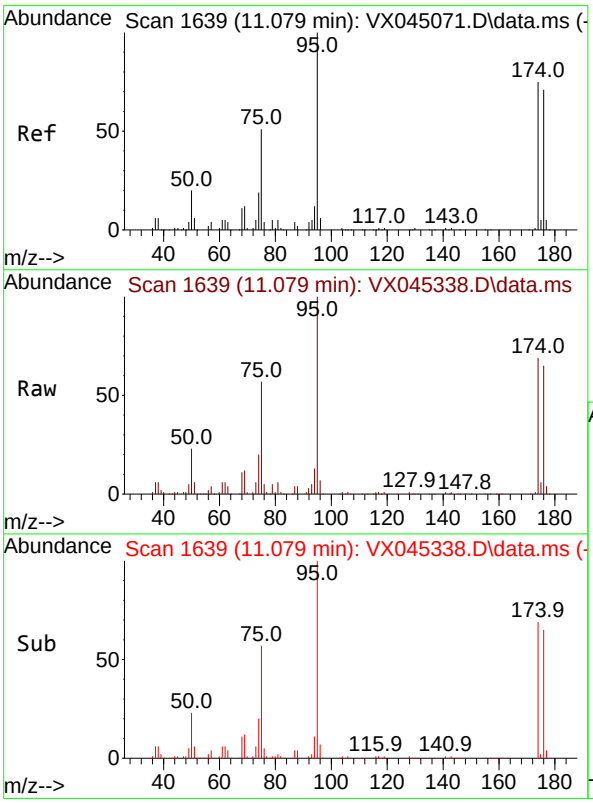
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

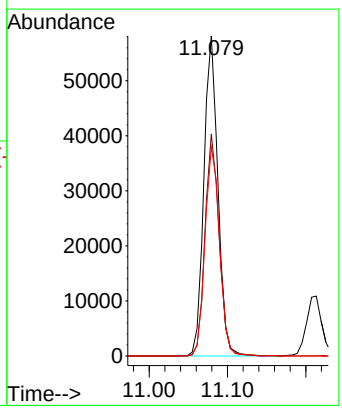
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

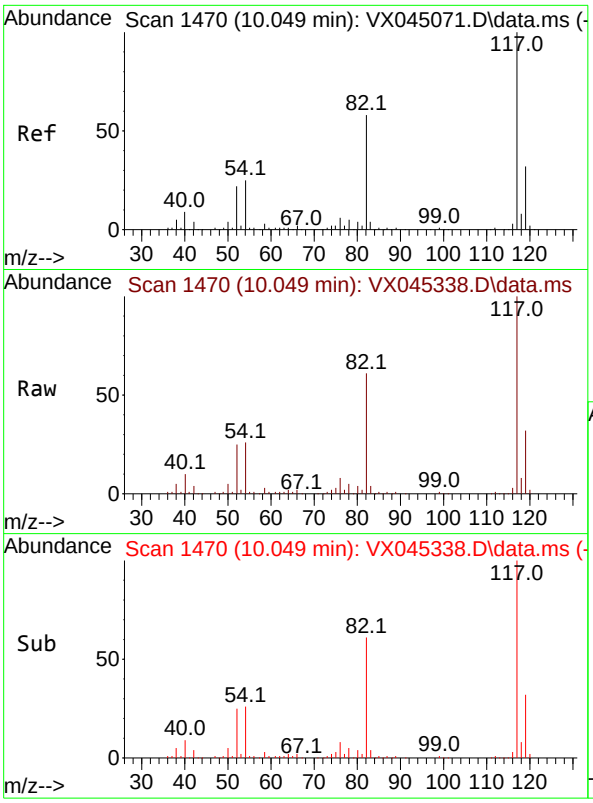


#62
4-Bromofluorobenzene
Concen: 59.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 95 Resp: 72166

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	148.2
176	67.5	0.0	141.4

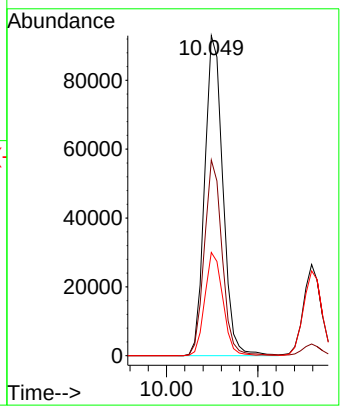




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:117 Resp: 12819

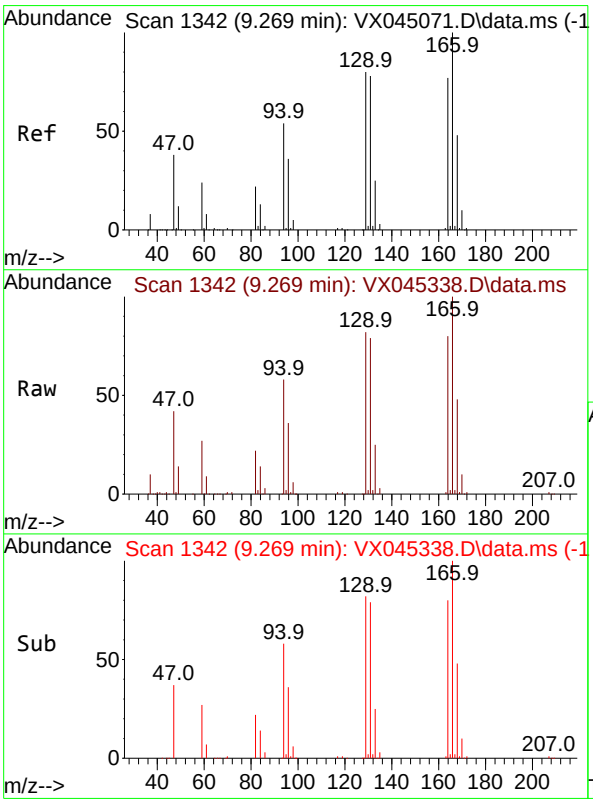
Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	32.3	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

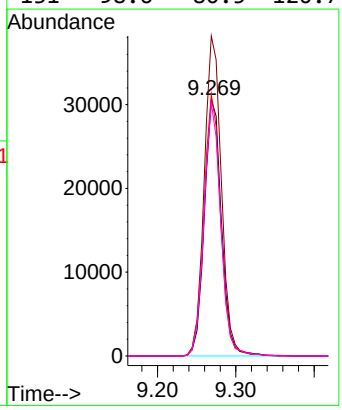
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

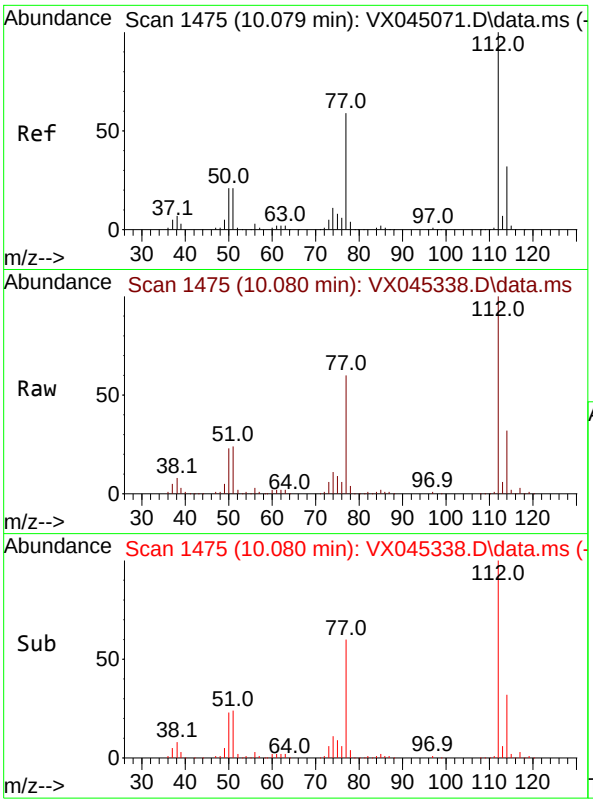


#64
Tetrachloroethene
Concen: 56.125 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:164 Resp: 46080

Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.6	155.4
129	102.2	82.7	124.1
131	98.6	80.5	120.7

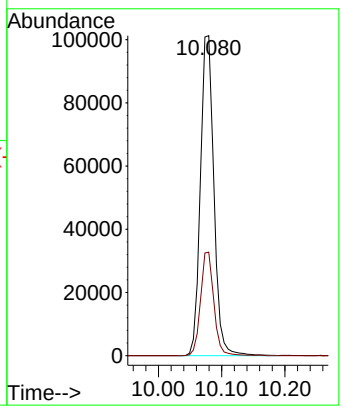




#65
Chlorobenzene
Concen: 55.590 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:112 Resp: 15078

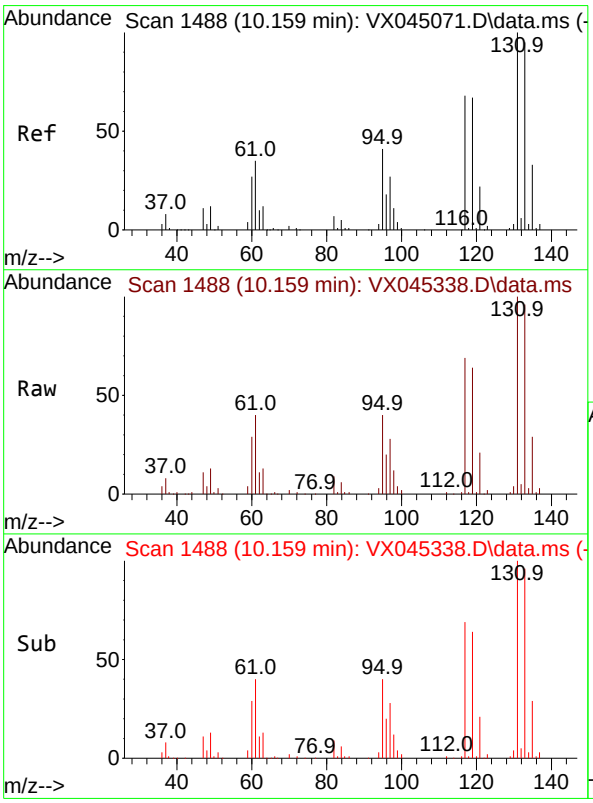
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

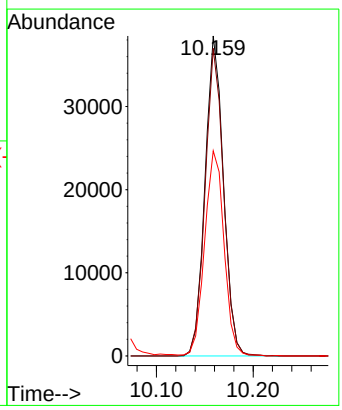
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

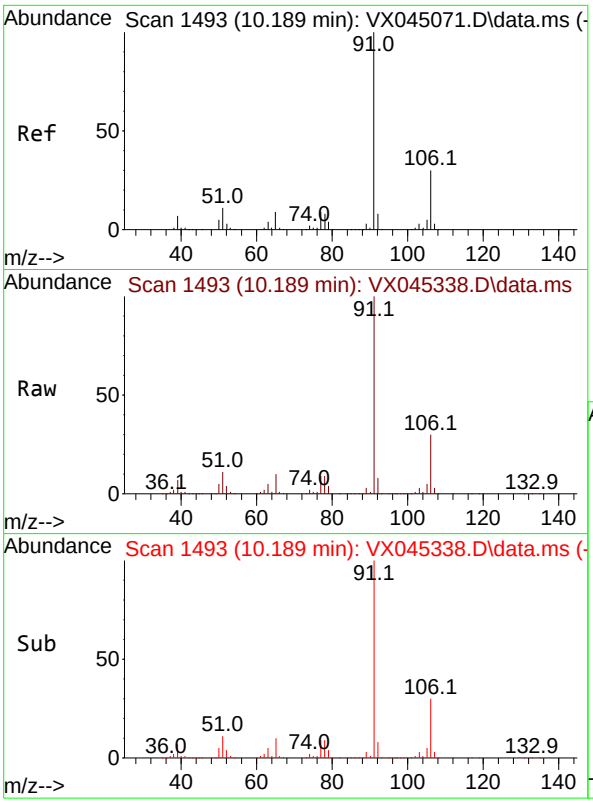


#66
1,1,1,2-Tetrachloroethane
Concen: 56.285 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:131 Resp: 50844

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	67.6	33.9	101.7





#67
Ethyl Benzene
Concen: 57.969 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

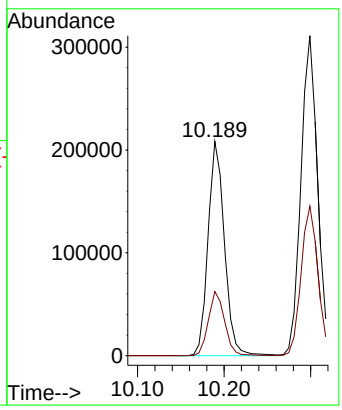
Tgt Ion: 91 Resp: 27398

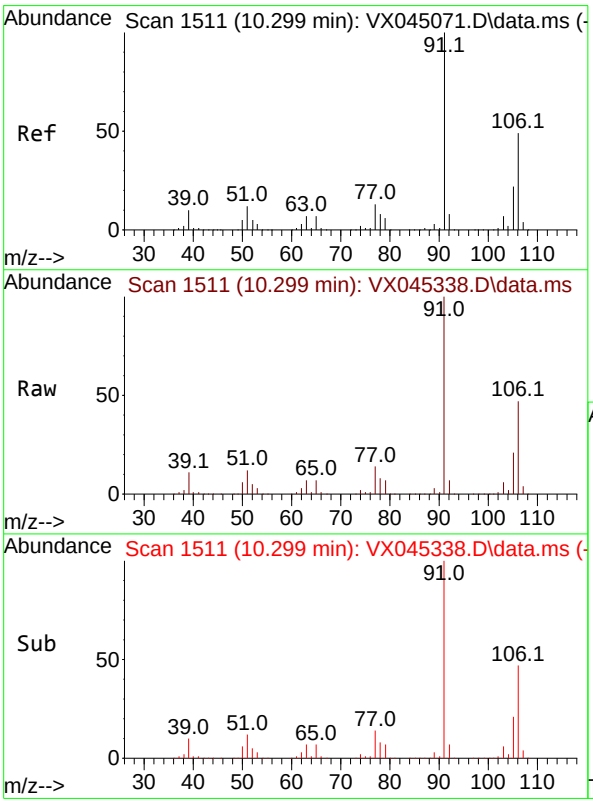
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

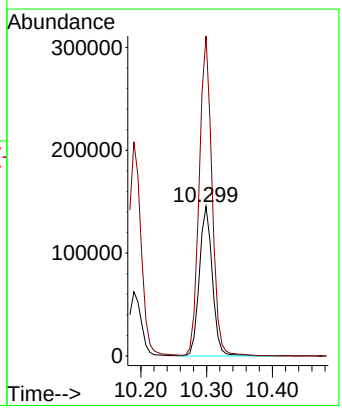


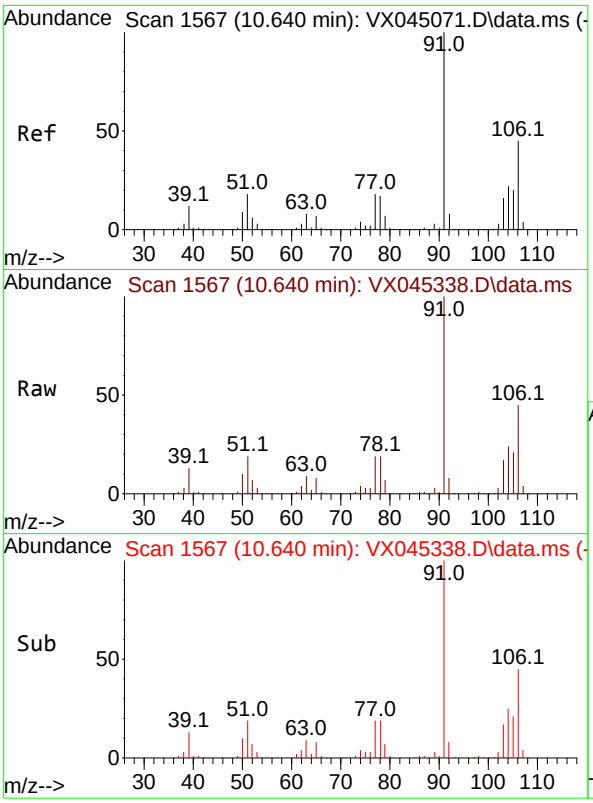


#68
m/p-Xylenes
Concen: 115.095 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:106 Resp: 199139

Ion	Ratio	Lower	Upper
106	100		
91	211.0	165.4	248.0

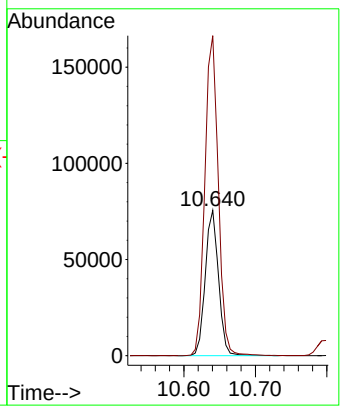




#69
o-Xylene
Concen: 55.670 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:106 Resp: 9714

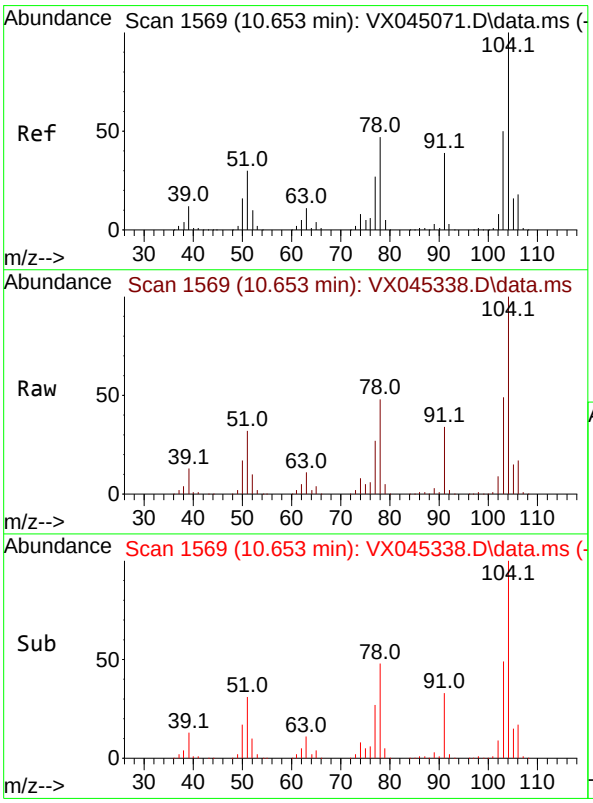
Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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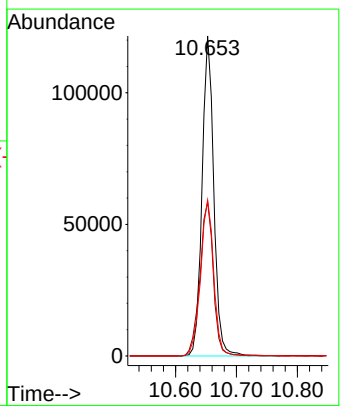
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

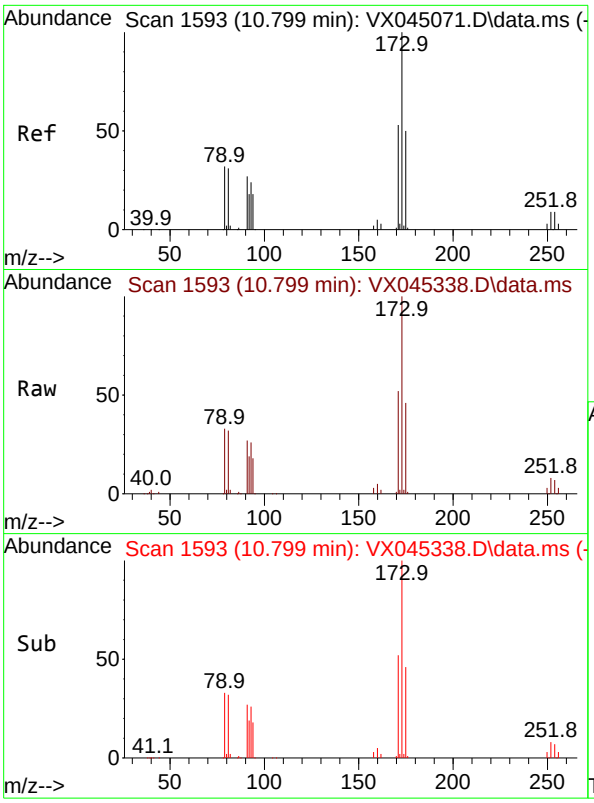


#70
Styrene
Concen: 57.851 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:104 Resp: 163347

Ion	Ratio	Lower	Upper
104	100		
78	55.0	42.2	63.4
103	54.8	43.8	65.8

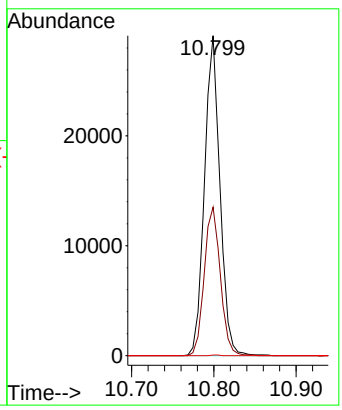




#71
Bromoform
Concen: 55.853 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

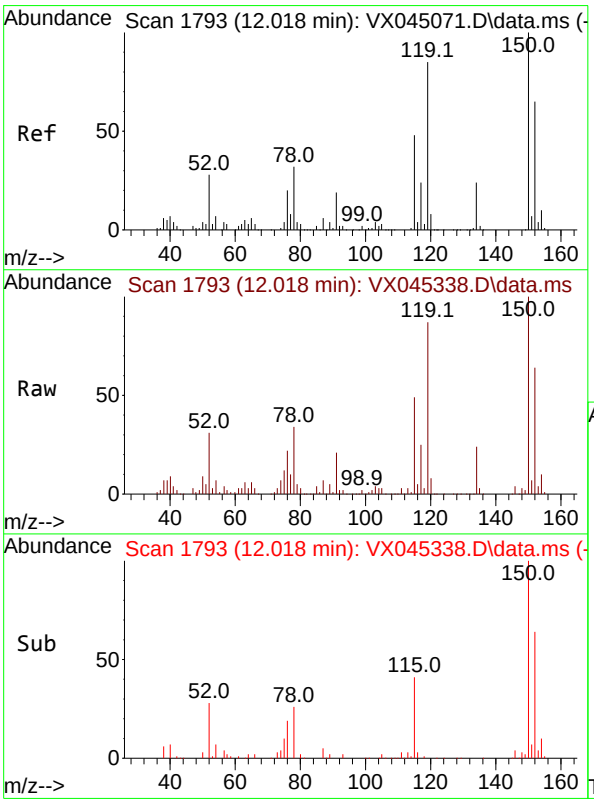
Tgt Ion:173 Resp: 3804

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

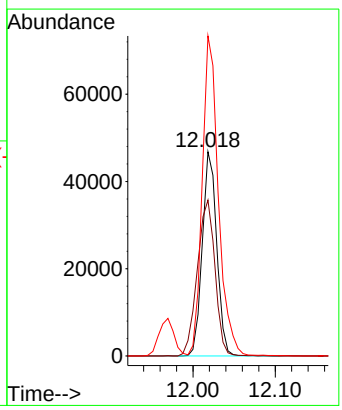
Manual Integrations APPROVED
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

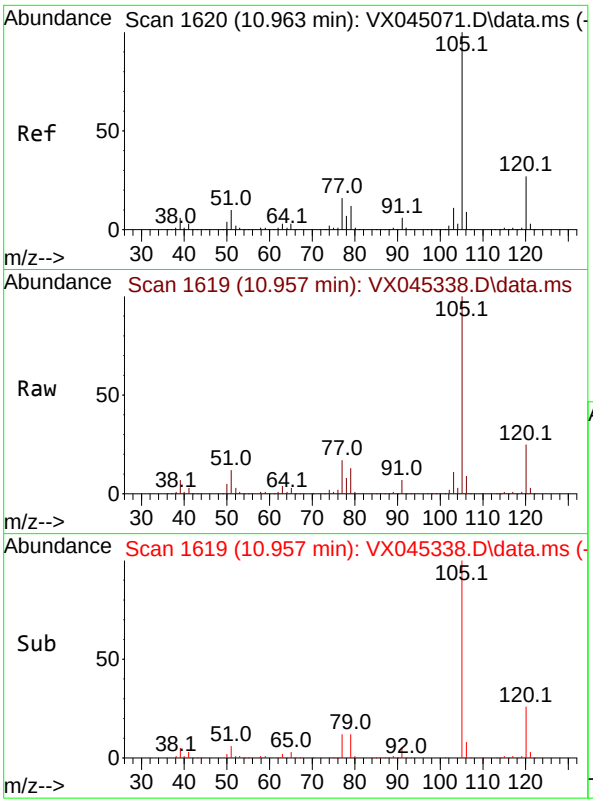


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:152 Resp: 57337

Ion	Ratio	Lower	Upper
152	100		
115	93.3	44.2	132.6
150	175.1	0.0	349.0

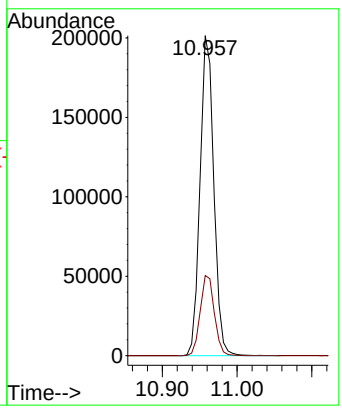




#73
Isopropylbenzene
Concen: 57.476 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 25722

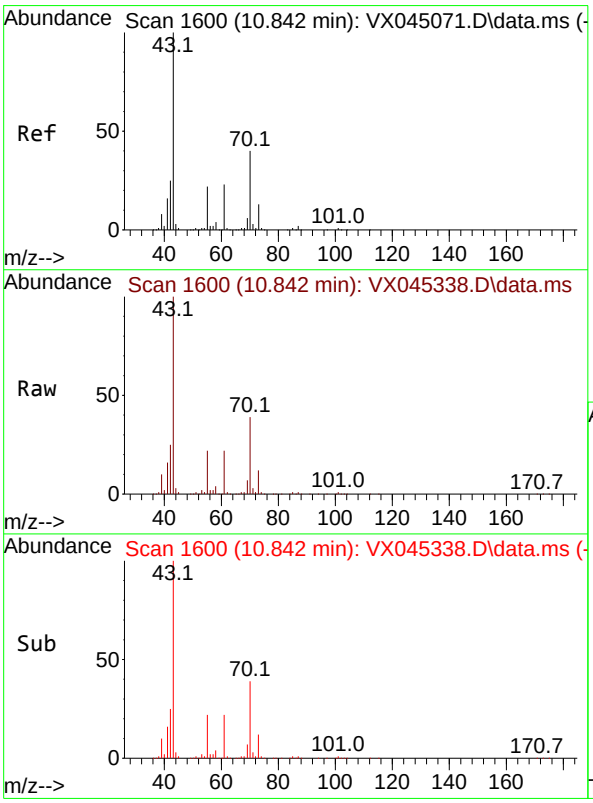
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

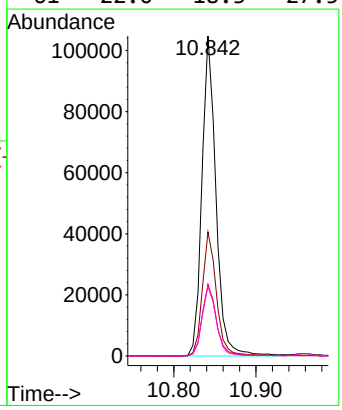
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

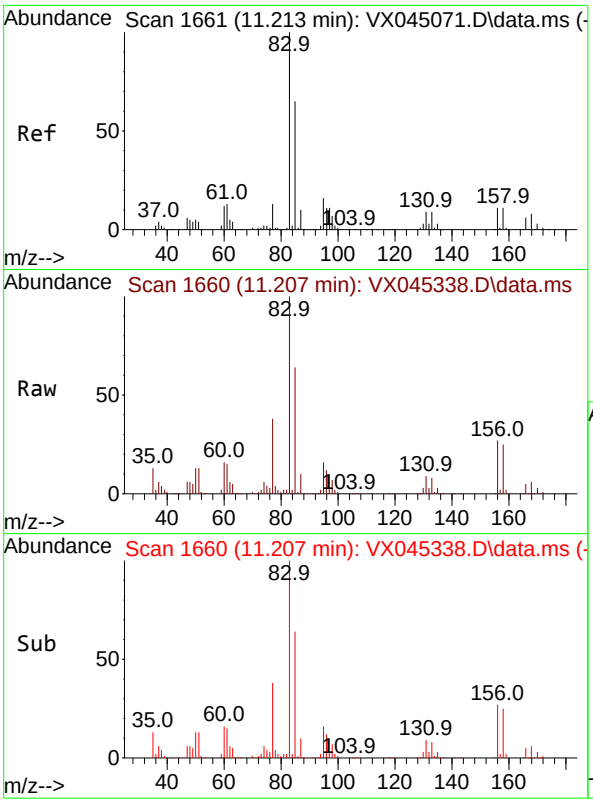


#74
N-amyl acetate
Concen: 59.082 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 124071

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.3	18.3	27.5
61	22.0	18.3	27.5

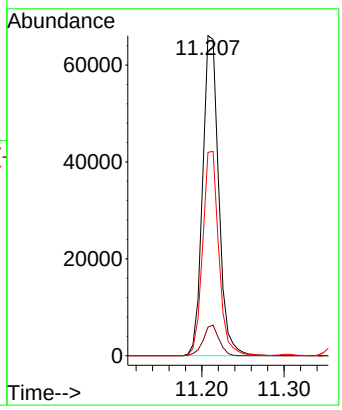




#75
1,1,2,2-Tetrachloroethane
Concen: 54.683 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 83 Resp: 8980

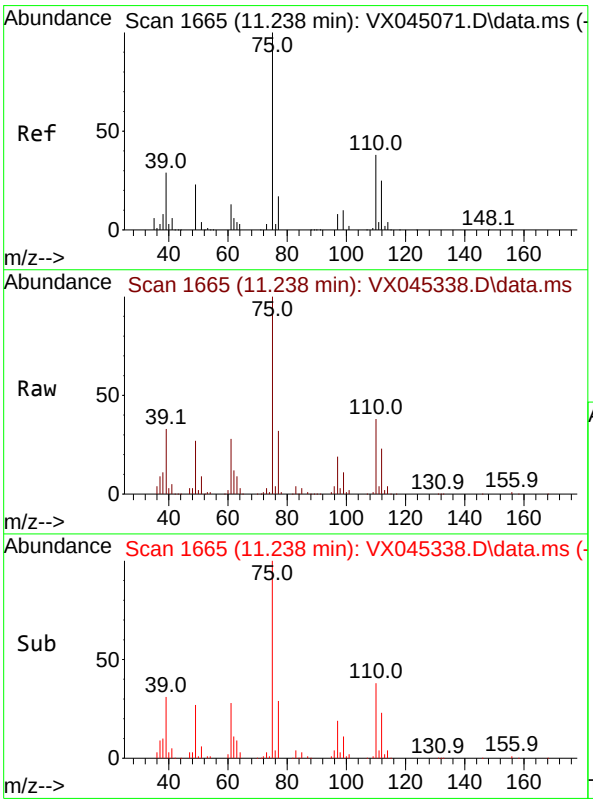
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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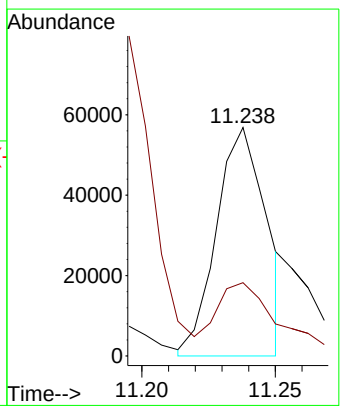
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

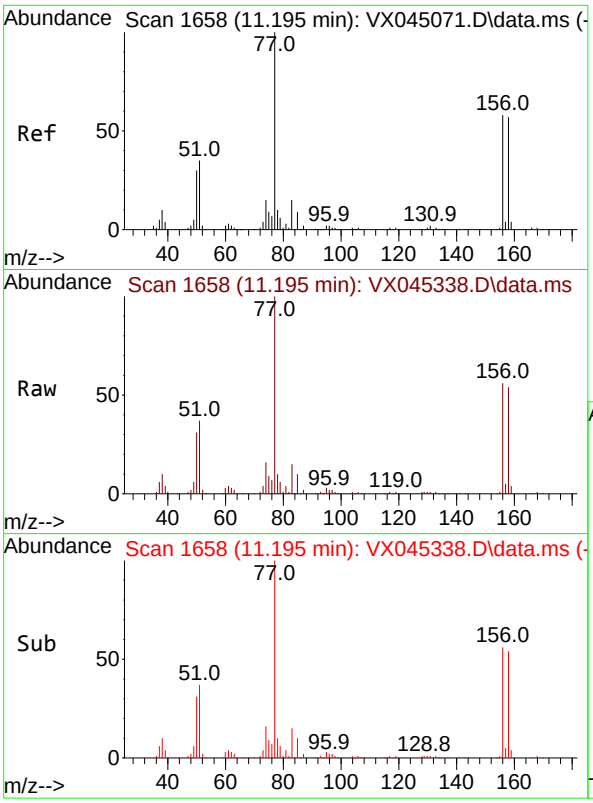


#76
1,2,3-Trichloropropane
Concen: 55.214 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 73684

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.7	62.1

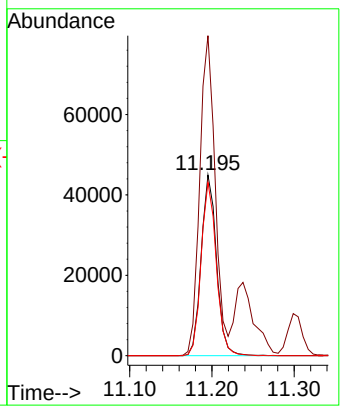




#77
Bromobenzene
Concen: 55.031 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:156 Resp: 5810

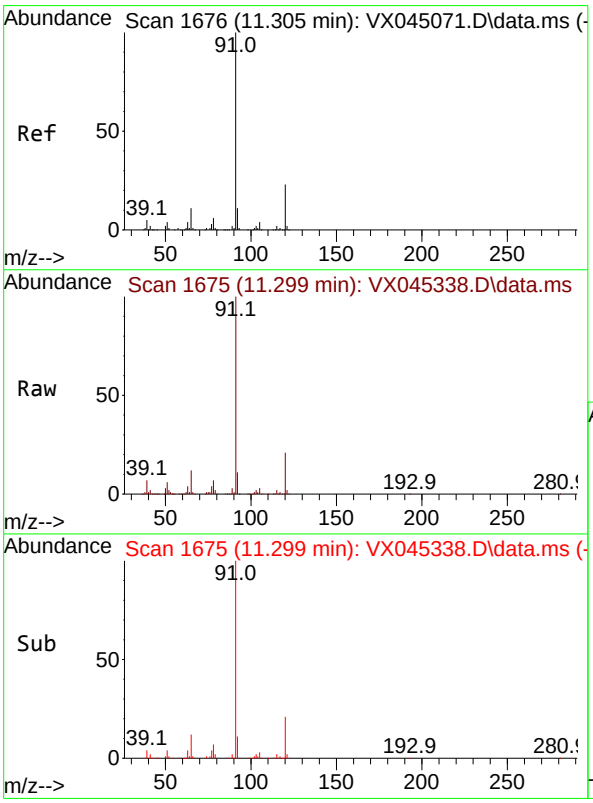
Ion	Ratio	Lower	Upper
156	100		
77	178.8	85.8	257.4
158	95.2	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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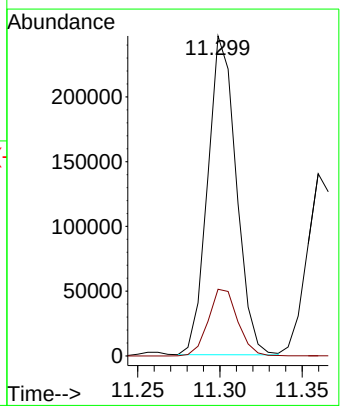
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

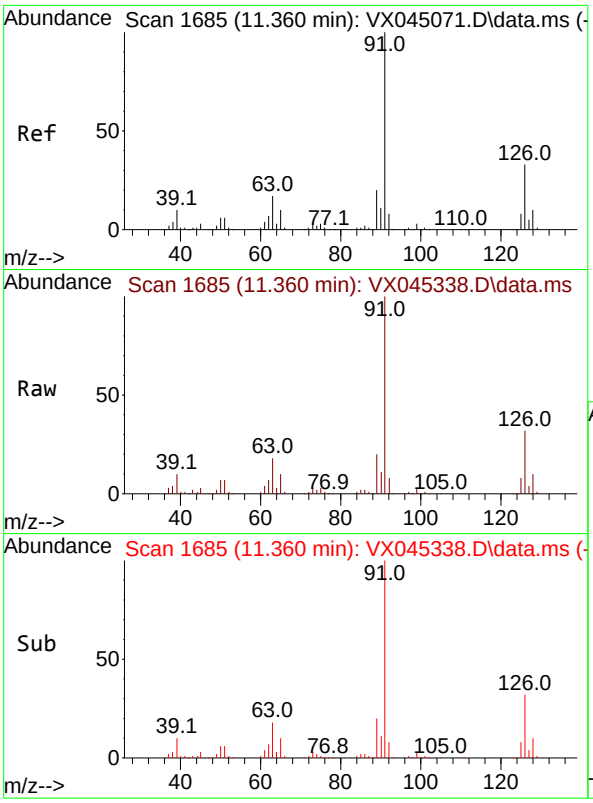


#78
n-propylbenzene
Concen: 58.944 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 91 Resp: 297988

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6





#79
2-Chlorotoluene
Concen: 55.342 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

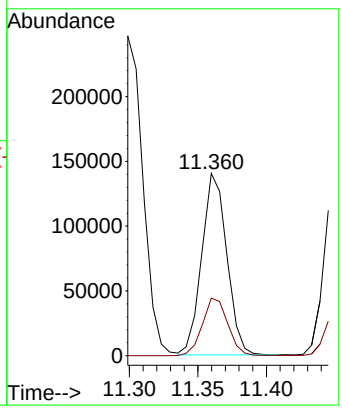
Tgt Ion: 91 Resp: 17818

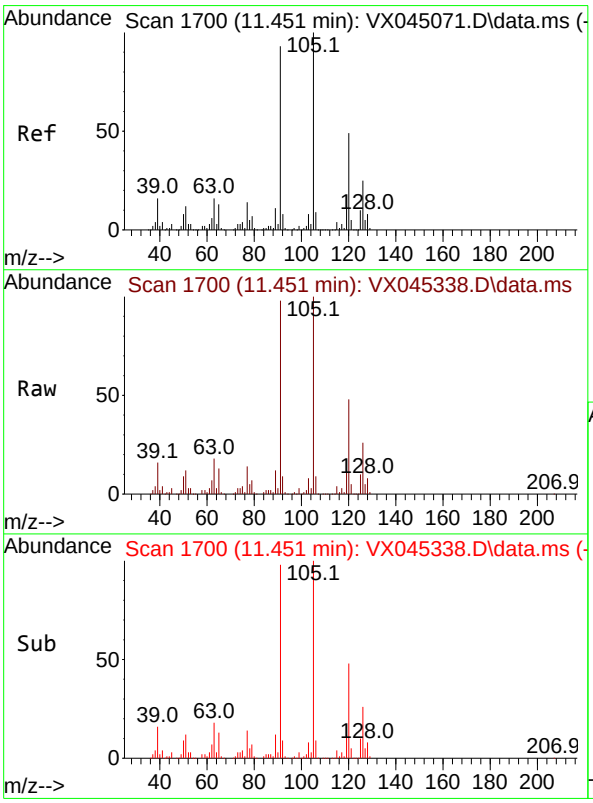
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

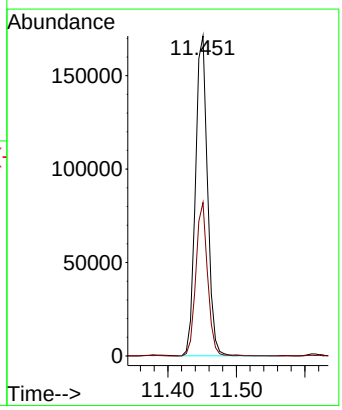


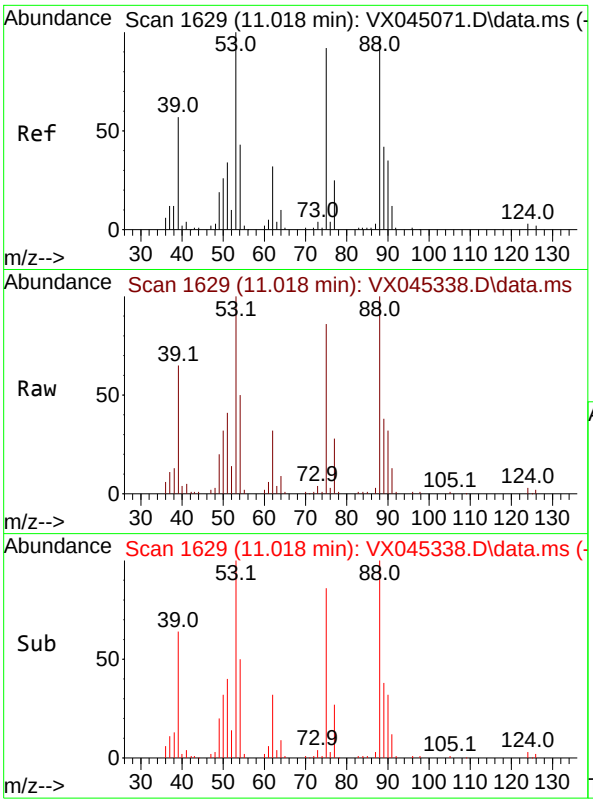


#80
1,3,5-Trimethylbenzene
Concen: 58.095 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 210225

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2

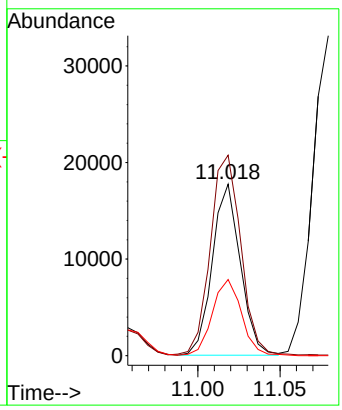




#81
trans-1,4-Dichloro-2-butene
Concen: 53.903 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 2102

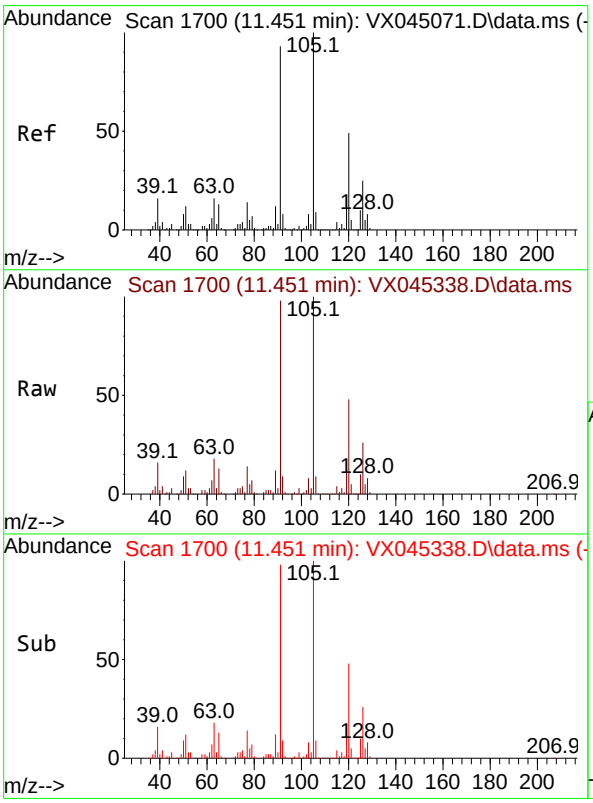
Ion	Ratio	Lower	Upper
75	100		
53	128.7	88.5	132.7
89	46.5	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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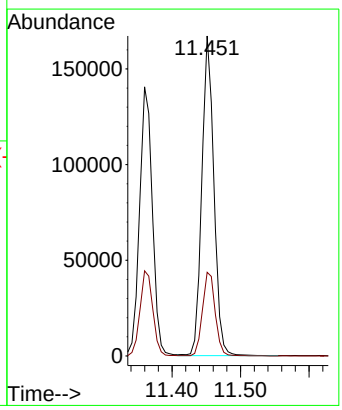
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

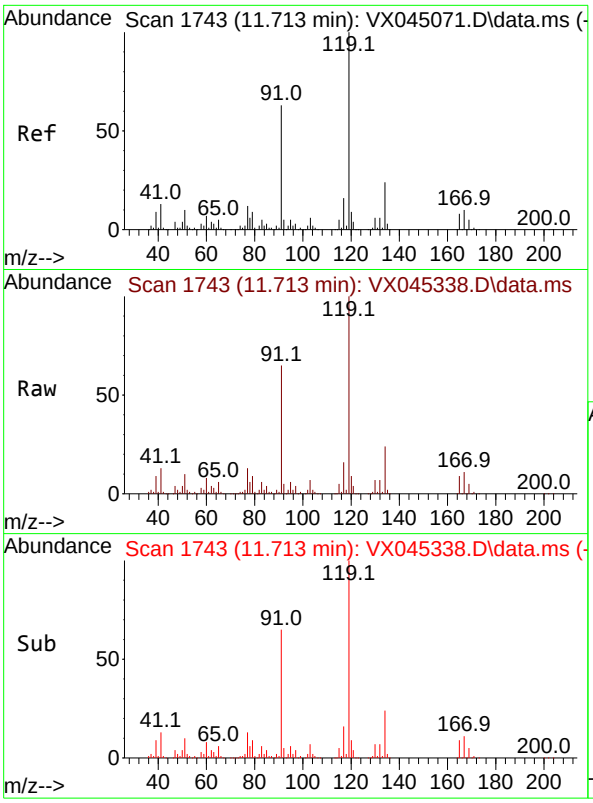


#82
4-Chlorotoluene
Concen: 58.329 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 91 Resp: 204674

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4

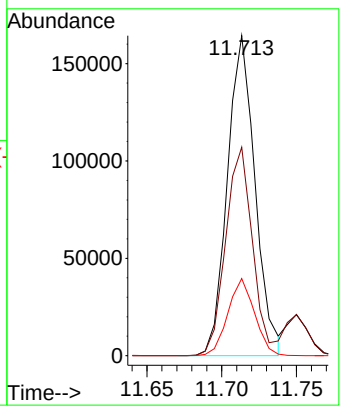




#83
tert-Butylbenzene
Concen: 57.007 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:119 Resp: 21195

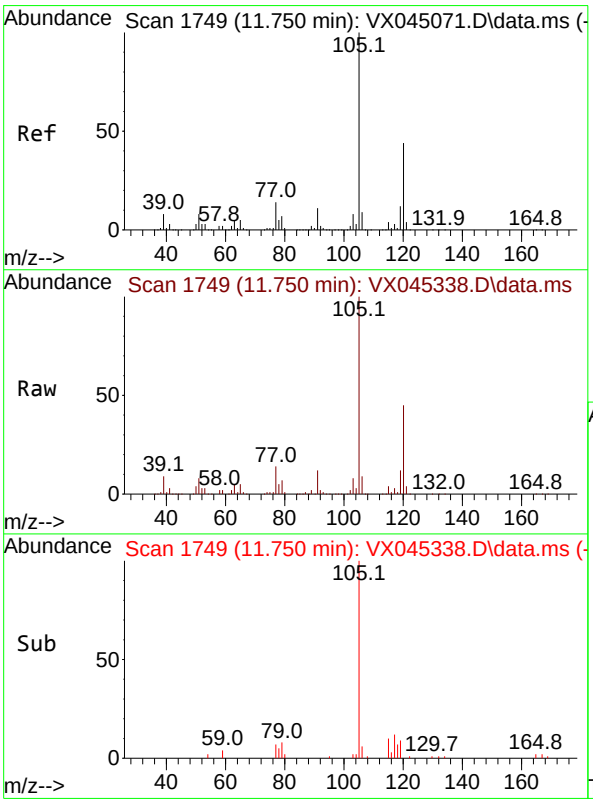
Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.7	92.1
134	23.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

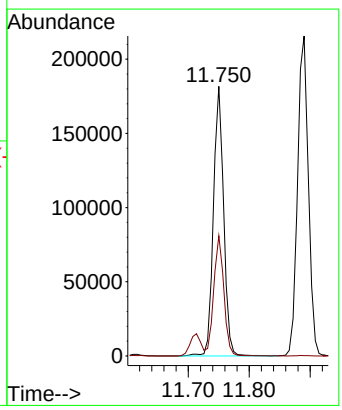
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

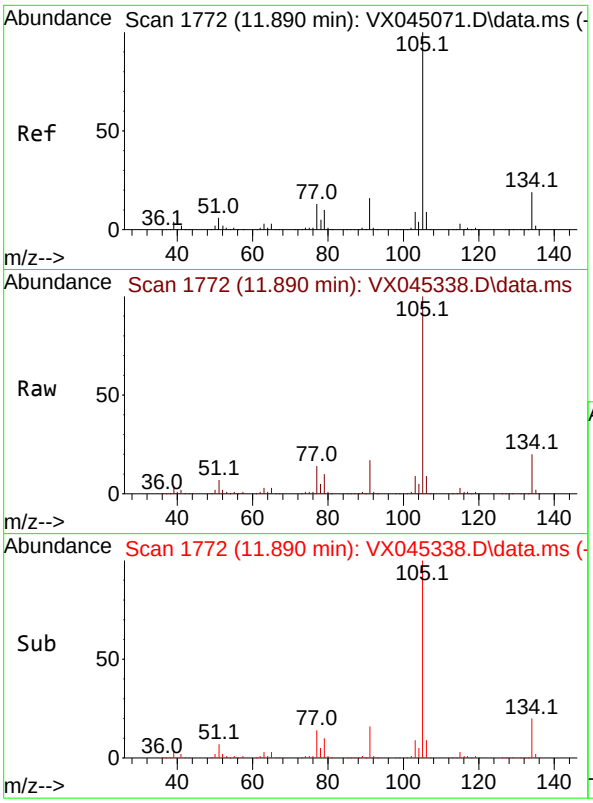


#84
1,2,4-Trimethylbenzene
Concen: 58.152 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 211733

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

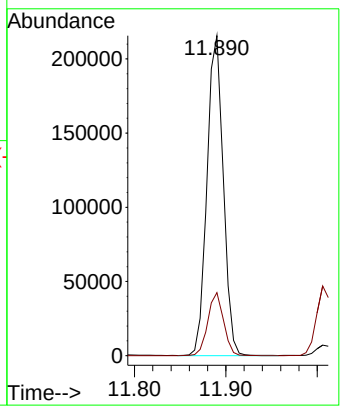




#85
sec-Butylbenzene
Concen: 59.861 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 26660

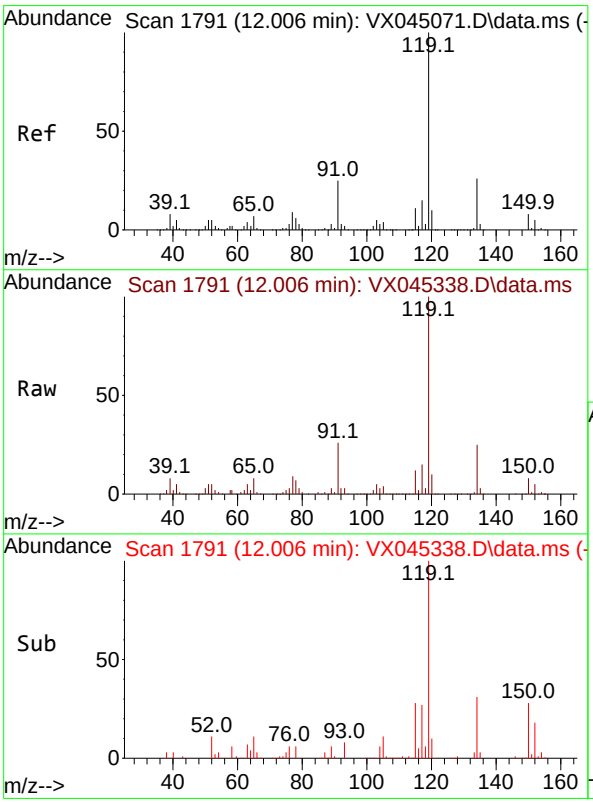
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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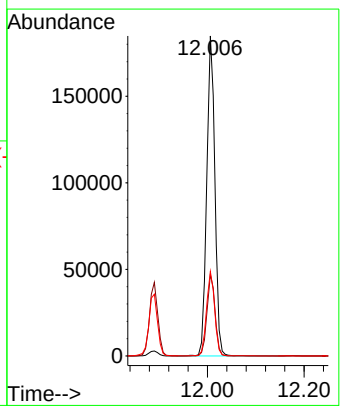
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

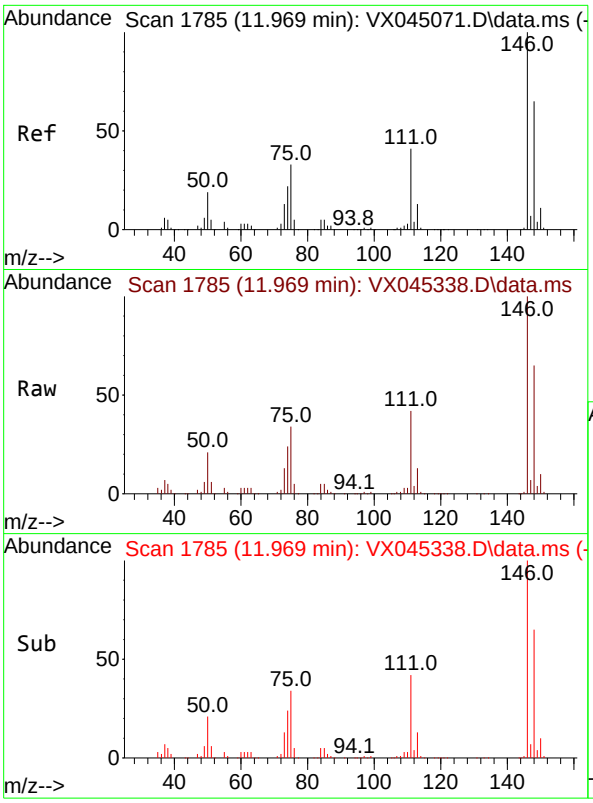


#86
p-Isopropyltoluene
Concen: 60.215 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:119 Resp: 216728

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.6	12.7	38.0

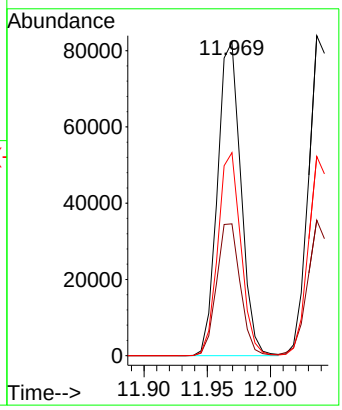




#87
1,3-Dichlorobenzene
Concen: 56.221 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:146 Resp: 10590

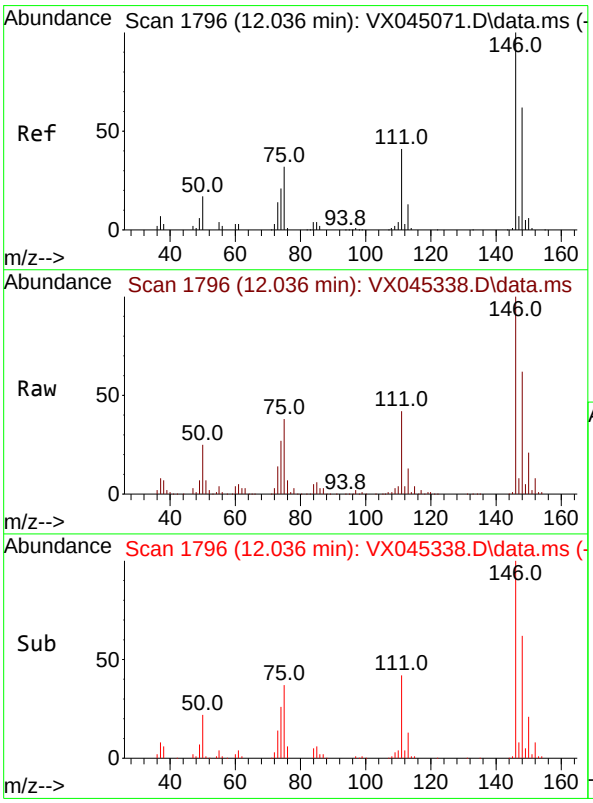
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

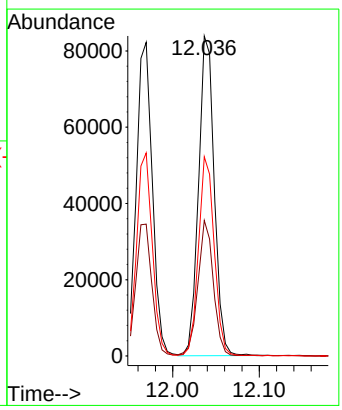
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

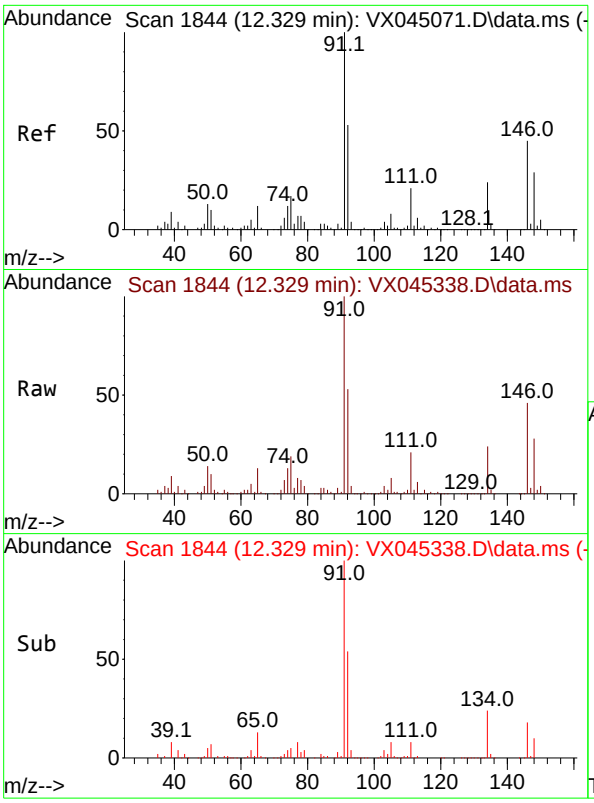


#88
1,4-Dichlorobenzene
Concen: 55.548 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:146 Resp: 105860

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.5
148	62.4	31.9	95.9

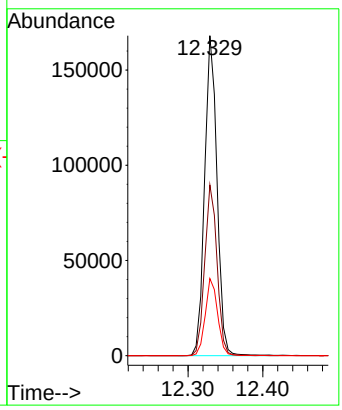




#89
n-Butylbenzene
Concen: 62.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 91 Resp: 19320

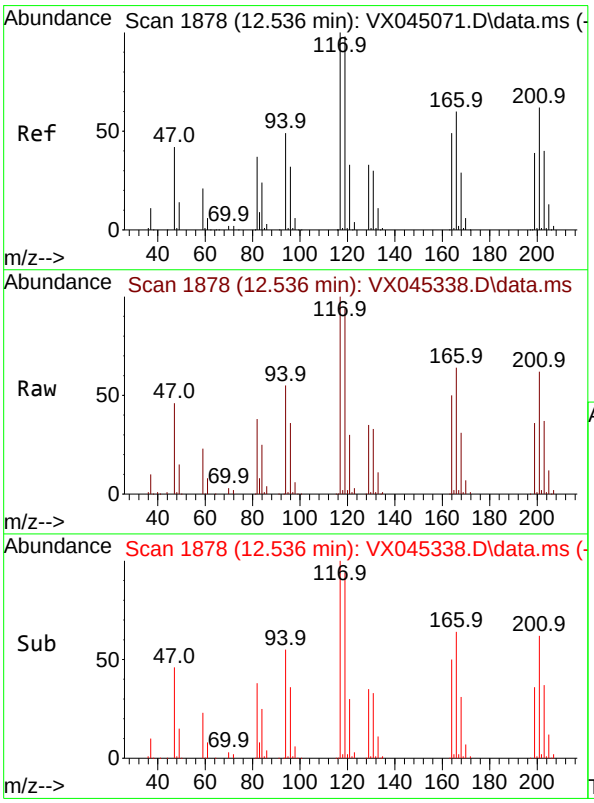
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	24.1	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

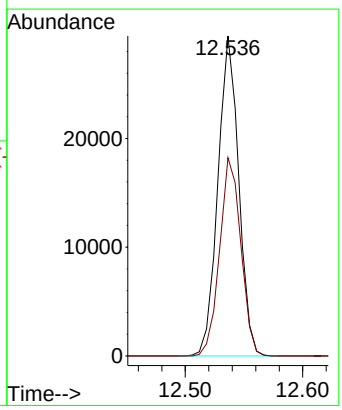
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

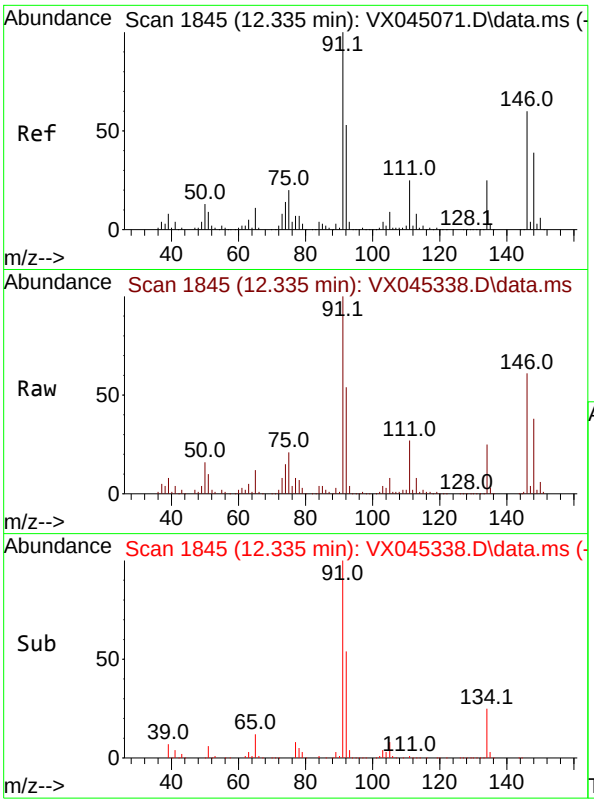


#90
Hexachloroethane
Concen: 55.617 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:117 Resp: 36208

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.9	95.9

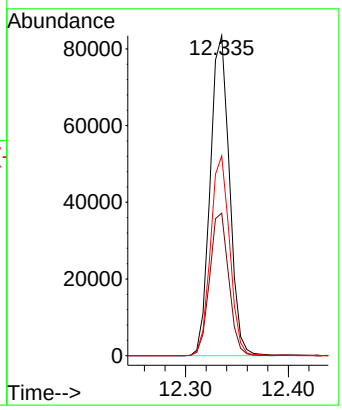




#91
1,2-Dichlorobenzene
Concen: 57.330 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:146 Resp: 10833

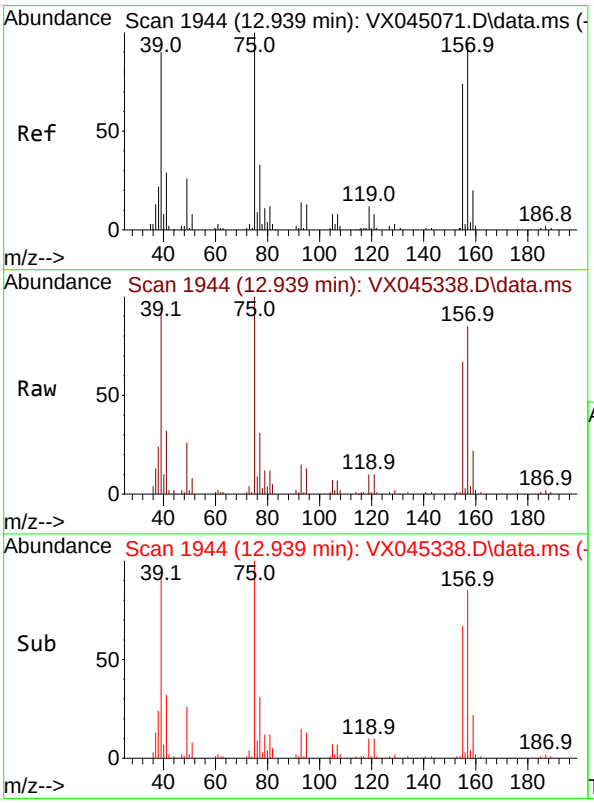
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	62.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

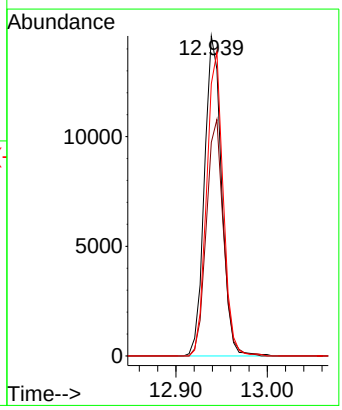
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

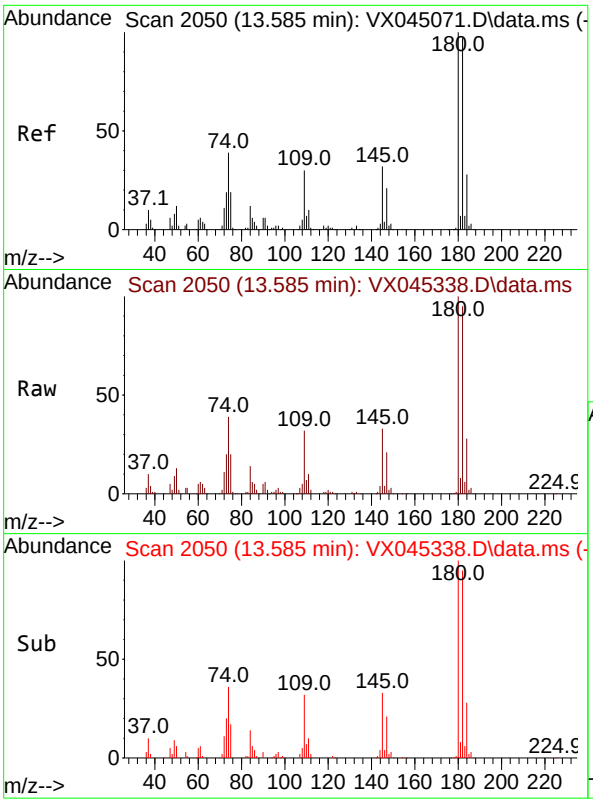


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.282 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 18967

Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.6	118.7
157	91.7	51.1	153.4

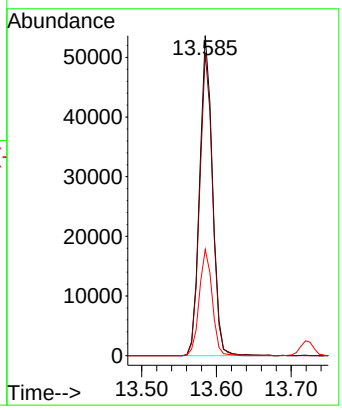




#93
1,2,4-Trichlorobenzene
Concen: 59.330 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:180 Resp: 6383

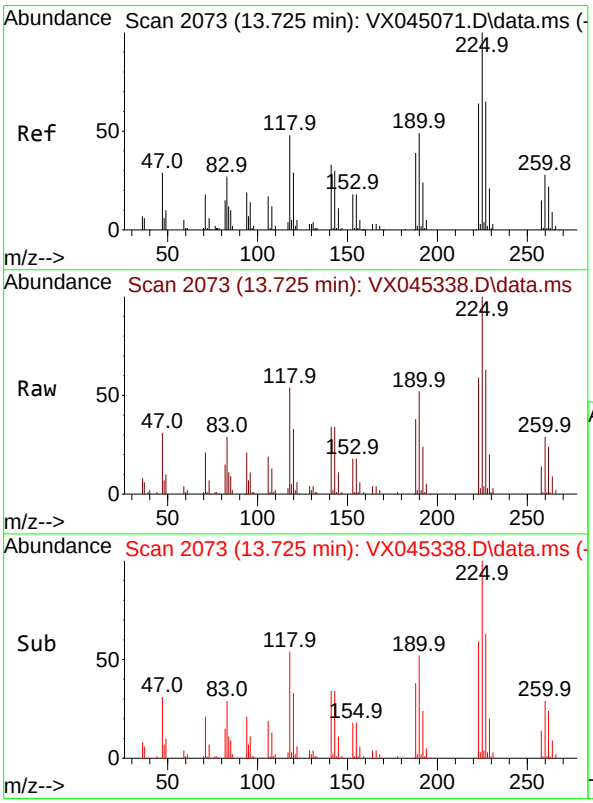
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.3	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

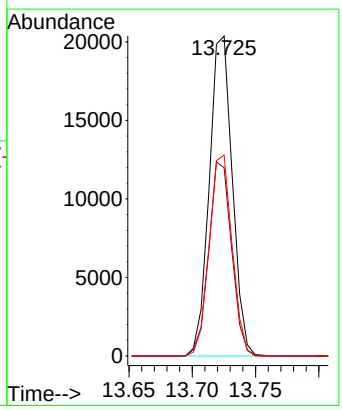
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

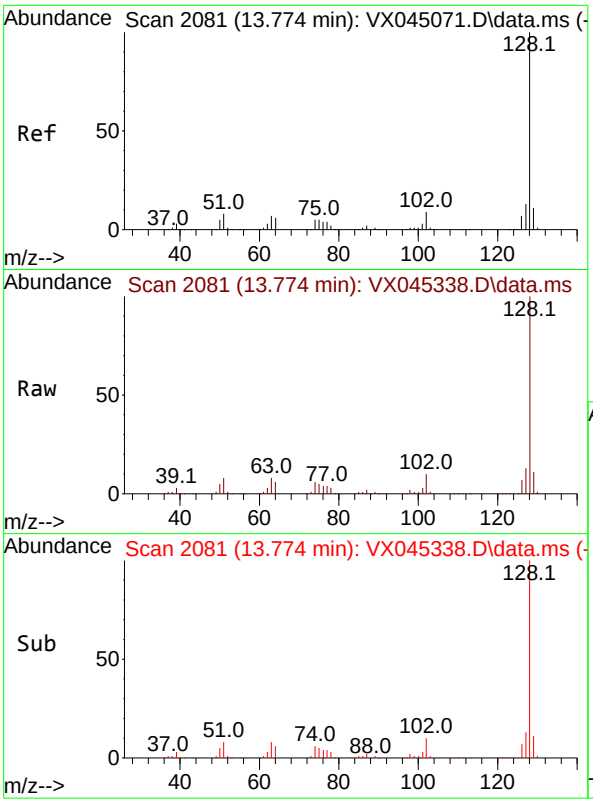


#94
Hexachlorobutadiene
Concen: 58.460 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:225 Resp: 25788

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.7
227	62.1	31.4	94.0

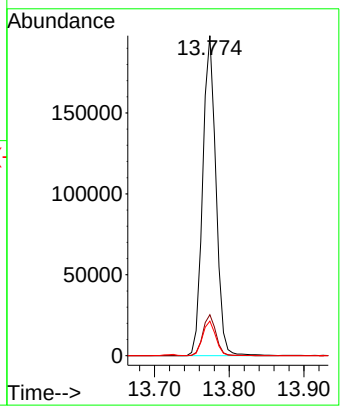




#95
Naphthalene
Concen: 58.751 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:128 Resp: 24287

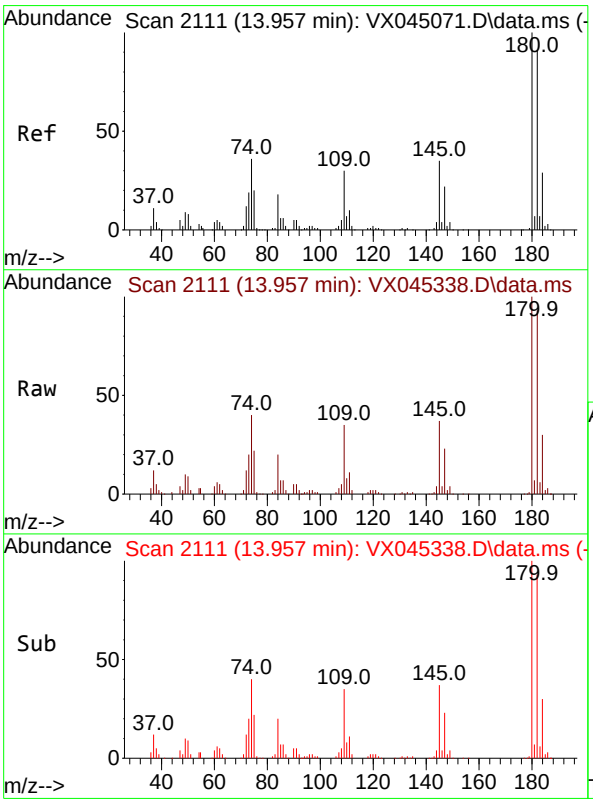
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

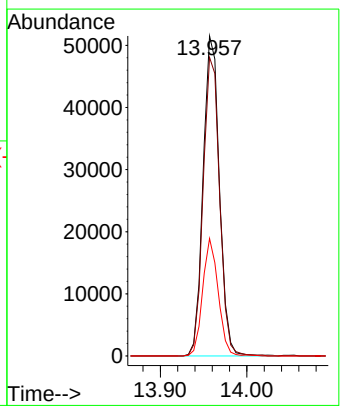
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 59.320 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:180 Resp: 67333

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	35.1	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	81	0.00
2	T	Dichlorodifluoromethane	0.629	0.613	2.5	80	0.00
3	P	Chloromethane	0.770	0.675	12.3	73	0.00
4	C	Vinyl Chloride	0.764	0.692	9.4#	74	0.00
5	T	Bromomethane	0.300	0.300	0.0	84	0.00
6	T	Chloroethane	0.352	0.317	9.9	69	0.00
7	T	Trichlorofluoromethane	1.011	1.031	-2.0	80	0.00
8	T	Diethyl Ether	0.396	0.379	4.3	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.667	-14.8	91	0.00
10	T	Methyl Iodide	0.726	0.784	-8.0	83	0.00
11	T	Tert butyl alcohol	0.151	0.126	16.6	77	0.00
12	CM	1,1-Dichloroethene	0.614	0.645	-5.0#	84	0.00
13	T	Acrolein	0.174	0.175	-0.6	82	0.00
14	T	Allyl chloride	1.094	1.218	-11.3	90	0.00
15	T	Acrylonitrile	0.404	0.419	-3.7	83	0.00
16	T	Acetone	0.369	0.378	-2.4	88	0.00
17	T	Carbon Disulfide	1.636	1.376	15.9	68	0.00
18	T	Methyl Acetate	0.888	1.198	-34.9#	113	0.00
19	T	Methyl tert-butyl Ether	2.061	2.347	-13.9	92	0.00
20	T	Methylene Chloride	0.731	0.762	-4.2	89	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.652	-7.4	84	0.00
22	T	Diisopropyl ether	2.224	2.530	-13.8	90	0.00
23	T	Vinyl Acetate	1.856	2.102	-13.3	87	0.00
24	P	1,1-Dichloroethane	1.247	1.406	-12.8	92	0.00
25	T	2-Butanone	0.555	0.589	-6.1	83	0.00
26	T	2,2-Dichloropropane	0.585	0.861	-47.2#	118	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.827	-10.4	88	0.00
28	T	Bromochloromethane	0.594	0.656	-10.4	89	0.00
29	T	Tetrahydrofuran	0.373	0.380	-1.9	83	0.00
30	C	Chloroform	1.239	1.421	-14.7#	93	0.00
31	T	Cyclohexane	1.082	1.119	-3.4	82	0.00
32	T	1,1,1-Trichloroethane	1.000	1.177	-17.7	94	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.973	-22.4	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.334	0.396	-18.6	97	0.00
36	T	1,1-Dichloropropene	0.459	0.498	-8.5	86	0.00
37	T	Ethyl Acetate	0.591	0.628	-6.3	84	0.00
38	T	Carbon Tetrachloride	0.465	0.533	-14.6	92	0.00
39	T	Methylcyclohexane	0.549	0.616	-12.2	85	0.00
40	TM	Benzene	1.448	1.576	-8.8	85	0.00
41	T	Methacrylonitrile	0.319	0.354	-11.0	84	0.00
42	TM	1,2-Dichloroethane	0.521	0.625	-20.0	96	0.00
43	T	Isopropyl Acetate	0.874	0.999	-14.3	87	0.00
44	TM	Trichloroethene	0.340	0.369	-8.5	87	0.00
45	C	1,2-Dichloropropane	0.372	0.418	-12.4#	91	0.00
46	T	Dibromomethane	0.263	0.299	-13.7	90	0.00
47	T	Bromodichloromethane	0.516	0.602	-16.7	93	0.00
48	T	Methyl methacrylate	0.438	0.508	-16.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	73	0.00
50	S	Toluene-d8	1.212	1.395	-15.1	93	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.651	-10.9	86	0.00
52	CM	Toluene	0.849	0.954	-12.4#	86	0.00
53	T	t-1,3-Dichloropropene	0.431	0.523	-21.3	90	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.601	-19.5	91	0.00
55	T	1,1,2-Trichloroethane	0.350	0.385	-10.0	87	0.00
56	T	Ethyl methacrylate	0.532	0.624	-17.3	89	0.00
57	T	1,3-Dichloropropane	0.605	0.673	-11.2	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.326	-25.9#	93	0.00
59	T	2-Hexanone	0.425	0.472	-11.1	85	0.00
60	T	Dibromochloromethane	0.366	0.413	-12.8	87	0.00
61	T	1,2-Dibromoethane	0.349	0.387	-10.9	88	0.00
62	S	4-Bromofluorobenzene	0.402	0.479	-19.2	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
64	T	Tetrachloroethene	0.320	0.359	-12.2	88	0.00
65	PM	Chlorobenzene	1.058	1.176	-11.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.397	-12.8	88	0.00
67	C	Ethyl Benzene	1.843	2.137	-16.0#	87	0.00
68	T	m/p-Xylenes	0.675	0.777	-15.1	85	0.00
69	T	o-Xylene	0.681	0.758	-11.3	85	0.00
70	T	Styrene	1.101	1.274	-15.7	85	0.00
71	P	Bromoform	0.266	0.297	-11.7	85	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	3.903	4.486	-14.9	87	0.00
74	T	N-amyl acetate	1.831	2.164	-18.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.566	-9.4	89	0.00
76	T	1,2,3-Trichloropropane	1.164	1.285	-10.4	90	0.00
77	T	Bromobenzene	0.921	1.013	-10.0	87	0.00
78	T	n-propylbenzene	4.409	5.197	-17.9	87	0.00
79	T	2-Chlorotoluene	2.808	3.108	-10.7	87	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.666	-16.2	87	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.367	-7.9	87	0.00
82	T	4-Chlorotoluene	3.060	3.570	-16.7	89	0.00
83	T	tert-Butylbenzene	3.242	3.697	-14.0	88	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.693	-16.3	88	0.00
85	T	sec-Butylbenzene	3.884	4.650	-19.7	89	0.00
86	T	p-Isopropyltoluene	3.139	3.780	-20.4	89	0.00
87	T	1,3-Dichlorobenzene	1.643	1.847	-12.4	89	0.00
88	T	1,4-Dichlorobenzene	1.662	1.846	-11.1	88	0.00
89	T	n-Butylbenzene	2.703	3.370	-24.7	90	0.00
90	T	Hexachloroethane	0.568	0.631	-11.1	84	0.00
91	T	1,2-Dichlorobenzene	1.648	1.889	-14.6	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.331	-18.6	92	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.113	-18.7	89	0.00
94	T	Hexachlorobutadiene	0.385	0.450	-16.9	92	0.00
95	T	Naphthalene	3.605	4.236	-17.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.174	-18.6	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	81	0.00
2	T	Dichlorodifluoromethane	50.000	48.729	2.5	80	0.00
3	P	Chloromethane	50.000	43.793	12.4	73	0.00
4	C	Vinyl Chloride	50.000	45.305	9.4#	74	0.00
5	T	Bromomethane	50.000	49.983	0.0	84	0.00
6	T	Chloroethane	50.000	44.936	10.1	69	0.00
7	T	Trichlorofluoromethane	50.000	50.964	-1.9	80	0.00
8	T	Diethyl Ether	50.000	47.945	4.1	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.352	-14.7	91	0.00
10	T	Methyl Iodide	50.000	53.969	-7.9	83	0.00
11	T	Tert butyl alcohol	250.000	209.210	16.3	77	0.00
12	CM	1,1-Dichloroethene	50.000	52.468	-4.9#	84	0.00
13	T	Acrolein	250.000	250.658	-0.3	82	0.00
14	T	Allyl chloride	50.000	55.680	-11.4	90	0.00
15	T	Acrylonitrile	250.000	259.486	-3.8	83	0.00
16	T	Acetone	250.000	255.968	-2.4	88	0.00
17	T	Carbon Disulfide	50.000	42.049	15.9	68	0.00
18	T	Methyl Acetate	50.000	67.463	-34.9#	113	0.00
19	T	Methyl tert-butyl Ether	50.000	56.941	-13.9	92	0.00
20	T	Methylene Chloride	50.000	52.125	-4.3	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.680	-7.4	84	0.00
22	T	Diisopropyl ether	50.000	56.869	-13.7	90	0.00
23	T	Vinyl Acetate	250.000	283.056	-13.2	87	0.00
24	P	1,1-Dichloroethane	50.000	56.414	-12.8	92	0.00
25	T	2-Butanone	250.000	265.213	-6.1	83	0.00
26	T	2,2-Dichloropropane	50.000	73.651	-47.3#	118	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.166	-10.3	88	0.00
28	T	Bromochloromethane	50.000	55.186	-10.4	89	0.00
29	T	Tetrahydrofuran	250.000	254.403	-1.8	83	0.00
30	C	Chloroform	50.000	57.373	-14.7#	93	0.00
31	T	Cyclohexane	50.000	51.717	-3.4	82	0.00
32	T	1,1,1-Trichloroethane	50.000	58.821	-17.6	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	61.200	-22.4	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	59.296	-18.6	97	0.00
36	T	1,1-Dichloropropene	50.000	54.316	-8.6	86	0.00
37	T	Ethyl Acetate	50.000	53.112	-6.2	84	0.00
38	T	Carbon Tetrachloride	50.000	57.276	-14.6	92	0.00
39	T	Methylcyclohexane	50.000	56.101	-12.2	85	0.00
40	TM	Benzene	50.000	54.440	-8.9	85	0.00
41	T	Methacrylonitrile	50.000	55.396	-10.8	84	0.00
42	TM	1,2-Dichloroethane	50.000	59.907	-19.8	96	0.00
43	T	Isopropyl Acetate	50.000	57.177	-14.4	87	0.00
44	TM	Trichloroethene	50.000	54.201	-8.4	87	0.00
45	C	1,2-Dichloropropane	50.000	56.158	-12.3#	91	0.00
46	T	Dibromomethane	50.000	56.759	-13.5	90	0.00
47	T	Bromodichloromethane	50.000	58.336	-16.7	93	0.00
48	T	Methyl methacrylate	50.000	57.992	-16.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	924.511	7.5	73	0.00
50	S	Toluene-d8	50.000	57.538	-15.1	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.341	-10.9	86	0.00
52	CM	Toluene	50.000	56.134	-12.3#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	60.605	-21.2	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.696	-19.4	91	0.00
55	T	1,1,2-Trichloroethane	50.000	55.051	-10.1	87	0.00
56	T	Ethyl methacrylate	50.000	58.695	-17.4	89	0.00
57	T	1,3-Dichloropropane	50.000	55.593	-11.2	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	314.370	-25.7#	93	0.00
59	T	2-Hexanone	250.000	277.843	-11.1	85	0.00
60	T	Dibromochloromethane	50.000	56.538	-13.1	87	0.00
61	T	1,2-Dibromoethane	50.000	55.404	-10.8	88	0.00
62	S	4-Bromofluorobenzene	50.000	59.628	-19.3	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
64	T	Tetrachloroethene	50.000	56.125	-12.3	88	0.00
65	PM	Chlorobenzene	50.000	55.590	-11.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.285	-12.6	88	0.00
67	C	Ethyl Benzene	50.000	57.969	-15.9#	87	0.00
68	T	m/p-Xylenes	100.000	115.095	-15.1	85	0.00
69	T	o-Xylene	50.000	55.670	-11.3	85	0.00
70	T	Styrene	50.000	57.851	-15.7	85	0.00
71	P	Bromoform	50.000	55.853	-11.7	85	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	57.476	-15.0	87	0.00
74	T	N-amyl acetate	50.000	59.082	-18.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.683	-9.4	89	0.00
76	T	1,2,3-Trichloropropane	50.000	55.214	-10.4	90	0.00
77	T	Bromobenzene	50.000	55.031	-10.1	87	0.00
78	T	n-propylbenzene	50.000	58.944	-17.9	87	0.00
79	T	2-Chlorotoluene	50.000	55.342	-10.7	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.095	-16.2	87	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.903	-7.8	87	0.00
82	T	4-Chlorotoluene	50.000	58.329	-16.7	89	0.00
83	T	tert-Butylbenzene	50.000	57.007	-14.0	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	58.152	-16.3	88	0.00
85	T	sec-Butylbenzene	50.000	59.861	-19.7	89	0.00
86	T	p-Isopropyltoluene	50.000	60.215	-20.4	89	0.00
87	T	1,3-Dichlorobenzene	50.000	56.221	-12.4	89	0.00
88	T	1,4-Dichlorobenzene	50.000	55.548	-11.1	88	0.00
89	T	n-Butylbenzene	50.000	62.324	-24.6	90	0.00
90	T	Hexachloroethane	50.000	55.617	-11.2	84	0.00
91	T	1,2-Dichlorobenzene	50.000	57.330	-14.7	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.282	-18.6	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	59.330	-18.7	89	0.00
94	T	Hexachlorobutadiene	50.000	58.460	-16.9	92	0.00
95	T	Naphthalene	50.000	58.751	-17.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	59.320	-18.6	89	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 09:38

Lab File ID: VX045347.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.635		0.95	20
Chloromethane	0.770	0.683	0.1	-11.3	20
Vinyl Chloride	0.764	0.657		-14.01	20
Bromomethane	0.300	0.275		-8.33	20
Chloroethane	0.352	0.316		-10.23	20
Trichlorofluoromethane	1.012	0.978		-3.36	20
1,1,2-Trichlorotrifluoroethane	0.581	0.655		12.74	20
1,1-Dichloroethene	0.614	0.608		-0.98	20
Acetone	0.369	0.417		13.01	20
Carbon Disulfide	1.636	1.362		-16.75	20
Methyl tert-butyl Ether	2.061	2.143		3.98	20
Methyl Acetate	0.888	1.180		32.88	20
Methylene Chloride	0.731	0.724		-0.96	20
trans-1,2-Dichloroethene	0.607	0.602		-0.82	20
1,1-Dichloroethane	1.247	1.270	0.1	1.84	20
Cyclohexane	1.082	1.055		-2.49	20
2-Butanone	0.555	0.609		9.73	20
Carbon Tetrachloride	0.465	0.526		13.12	20
cis-1,2-Dichloroethene	0.749	0.755		0.8	20
Bromochloromethane	0.594	0.603		1.51	20
Chloroform	1.239	1.284		3.63	20
1,1,1-Trichloroethane	1.000	1.065		6.5	20
Methylcyclohexane	0.549	0.607		10.56	20
Benzene	1.448	1.505		3.94	20
1,2-Dichloroethane	0.521	0.601		15.35	20
Trichloroethene	0.340	0.353		3.82	20
1,2-Dichloropropane	0.372	0.401		7.8	20
Bromodichloromethane	0.516	0.586		13.57	20
4-Methyl-2-Pentanone	0.587	0.672		14.48	20
Toluene	0.849	0.910		7.18	20
t-1,3-Dichloropropene	0.431	0.527		22.27	20
cis-1,3-Dichloropropene	0.503	0.598		18.89	20
1,1,2-Trichloroethane	0.350	0.376		7.43	20
2-Hexanone	0.425	0.491		15.53	20
Dibromochloromethane	0.366	0.421		15.03	20
1,2-Dibromoethane	0.349	0.377		8.02	20
Tetrachloroethene	0.320	0.349		9.06	20
Chlorobenzene	1.058	1.146	0.3	8.32	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 09:38

Lab File ID: VX045347.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.054		11.45	20
m/p-Xylenes	0.675	0.757		12.15	20
o-Xylene	0.681	0.736		8.08	20
Styrene	1.101	1.244		12.99	20
Bromoform	0.266	0.311	0.1	16.92	20
Isopropylbenzene	3.903	4.256		9.04	20
1,1,2,2-Tetrachloroethane	1.432	1.465	0.3	2.3	20
1,3-Dichlorobenzene	1.643	1.747		6.33	20
1,4-Dichlorobenzene	1.662	1.724		3.73	20
1,2-Dichlorobenzene	1.648	1.756		6.55	20
1,2-Dibromo-3-Chloropropane	0.279	0.321		15.05	20
1,2,4-Trichlorobenzene	0.938	1.072		14.29	20
1,2,3-Trichlorobenzene	0.990	1.108		11.92	20
1,2-Dichloroethane-d4	0.795	0.877		10.31	20
Dibromofluoromethane	0.334	0.382		14.37	20
Toluene-d8	1.212	1.314		8.42	20
4-Bromofluorobenzene	0.402	0.464		15.42	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\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	160941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82508	55.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	5.379	113	61401	57.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.120%			
50) Toluene-d8	8.647	98	211503	54.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.420%			
62) 4-Bromofluorobenzene	11.079	95	74611	57.711	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59746	50.442	ug/l	97
3) Chloromethane	1.307	50	64302	44.361	ug/l	96
4) Vinyl Chloride	1.374	62	61838	43.004	ug/l	95
5) Bromomethane	1.593	94	25902	45.822	ug/l	97
6) Chloroethane	1.660	64	29735	44.831	ug/l	100
7) Trichlorofluoromethane	1.868	101	92068	48.366	ug/l	99
8) Diethyl Ether	2.130	74	32644	43.843	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	61677	56.396	ug/l	99
10) Methyl Iodide	2.441	142	71548	52.350	ug/l	96
11) Tert butyl alcohol	2.983	59	66006	232.818	ug/l	99
12) 1,1-Dichloroethene	2.307	96	57166	49.441	ug/l	99
13) Acrolein	2.239	56	75371	229.981	ug/l	98
14) Allyl chloride	2.654	41	110322	53.602	ug/l	97
15) Acrylonitrile	3.062	53	200634	264.049	ug/l	99
16) Acetone	2.386	43	196313	282.690	ug/l	99
17) Carbon Disulfide	2.496	76	128203	41.629	ug/l	97
18) Methyl Acetate	2.703	43	110994	66.439	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201610	51.972	ug/l	99
20) Methylene Chloride	2.782	84	68099	49.504	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	56672	49.612	ug/l	97
22) Diisopropyl ether	3.757	45	218443	52.186	ug/l	93
23) Vinyl Acetate	3.715	43	911566	260.960	ug/l	98
24) 1,1-Dichloroethane	3.599	63	119458	50.922	ug/l	99
25) 2-Butanone	4.556	43	286555	274.133	ug/l	96
26) 2,2-Dichloropropane	4.465	77	86451	78.567	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	71053	50.388	ug/l	92
28) Bromochloromethane	4.891	49	56750	50.753	ug/l	99
29) Tetrahydrofuran	5.001	42	176238	251.058	ug/l	99
30) Chloroform	5.087	83	120782	51.818	ug/l	100
31) Cyclohexane	5.452	56	99254	48.741	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	100201	53.226	ug/l	98
36) 1,1-Dichloropropene	5.678	75	77237	52.334	ug/l	99
37) Ethyl Acetate	4.715	43	102186	53.733	ug/l	99
38) Carbon Tetrachloride	5.666	117	84612	56.470	ug/l	98
39) Methylcyclohexane	7.373	83	97687	55.240	ug/l	96
40) Benzene	6.025	78	242215	51.973	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59716	58.072	ug/l		99
42) 1,2-Dichloroethane	6.080	62	96672	57.604	ug/l		97
43) Isopropyl Acetate	6.336	43	160232	56.979	ug/l		99
44) Trichloroethene	7.117	130	56744	51.854	ug/l		100
45) 1,2-Dichloropropane	7.421	63	64615	53.925	ug/l		98
46) Dibromomethane	7.574	93	47119	55.635	ug/l		97
47) Bromodichloromethane	7.818	83	94372	56.808	ug/l		99
48) Methyl methacrylate	7.690	41	80819	57.285	ug/l		96
49) 1,4-Dioxane	7.665	88	29379	987.206	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	540720	286.370	ug/l		99
52) Toluene	8.714	92	146417	53.547	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	84772	61.040	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	96208	59.407	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	60462	53.712	ug/l		97
56) Ethyl methacrylate	9.116	69	96357	56.313	ug/l		95
57) 1,3-Dichloropropane	9.305	76	106148	54.489	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	258027	309.131	ug/l		98
59) 2-Hexanone	9.427	43	395325	288.965	ug/l		99
60) Dibromochloromethane	9.519	129	67728	57.543	ug/l		98
61) 1,2-Dibromoethane	9.604	107	60702	54.017	ug/l		100
64) Tetrachloroethene	9.269	164	48599	54.416	ug/l		98
65) Chlorobenzene	10.073	112	159759	54.144	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54037	54.992	ug/l		99
67) Ethyl Benzene	10.189	91	286365	55.699	ug/l		100
68) m/p-Xylenes	10.299	106	211033	112.126	ug/l		97
69) o-Xylene	10.640	106	102643	54.073	ug/l		97
70) Styrene	10.653	104	173421	56.462	ug/l		98
71) Bromoform	10.799	173	43429	58.610	ug/l	#	99
73) Isopropylbenzene	10.957	105	272973	54.526	ug/l		99
74) N-amyl acetate	10.842	43	131333	55.907	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93995	51.164	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	78826m	52.802	ug/l		
77) Bromobenzene	11.195	156	60575	51.283	ug/l		95
78) n-propylbenzene	11.305	91	320714	56.710	ug/l		99
79) 2-Chlorotoluene	11.360	91	192413	53.424	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	222755	55.029	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25918	59.413	ug/l		92
82) 4-Chlorotoluene	11.451	91	215413	54.878	ug/l		99
83) tert-Butylbenzene	11.713	119	224427	53.959	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	224842	55.202	ug/l		98
85) sec-Butylbenzene	11.890	105	285577	57.320	ug/l		99
86) p-Isopropyltoluene	12.006	119	232345	57.707	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	112042	53.171	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	110569	51.865	ug/l		98
89) n-Butylbenzene	12.329	91	211674	61.041	ug/l		100
90) Hexachloroethane	12.536	117	41788	57.380	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	112628	53.282	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	57.585	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	68746	57.116	ug/l		99
94) Hexachlorobutadiene	13.725	225	29525	59.832	ug/l		98
95) Naphthalene	13.774	128	256043	55.368	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71037	55.945	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

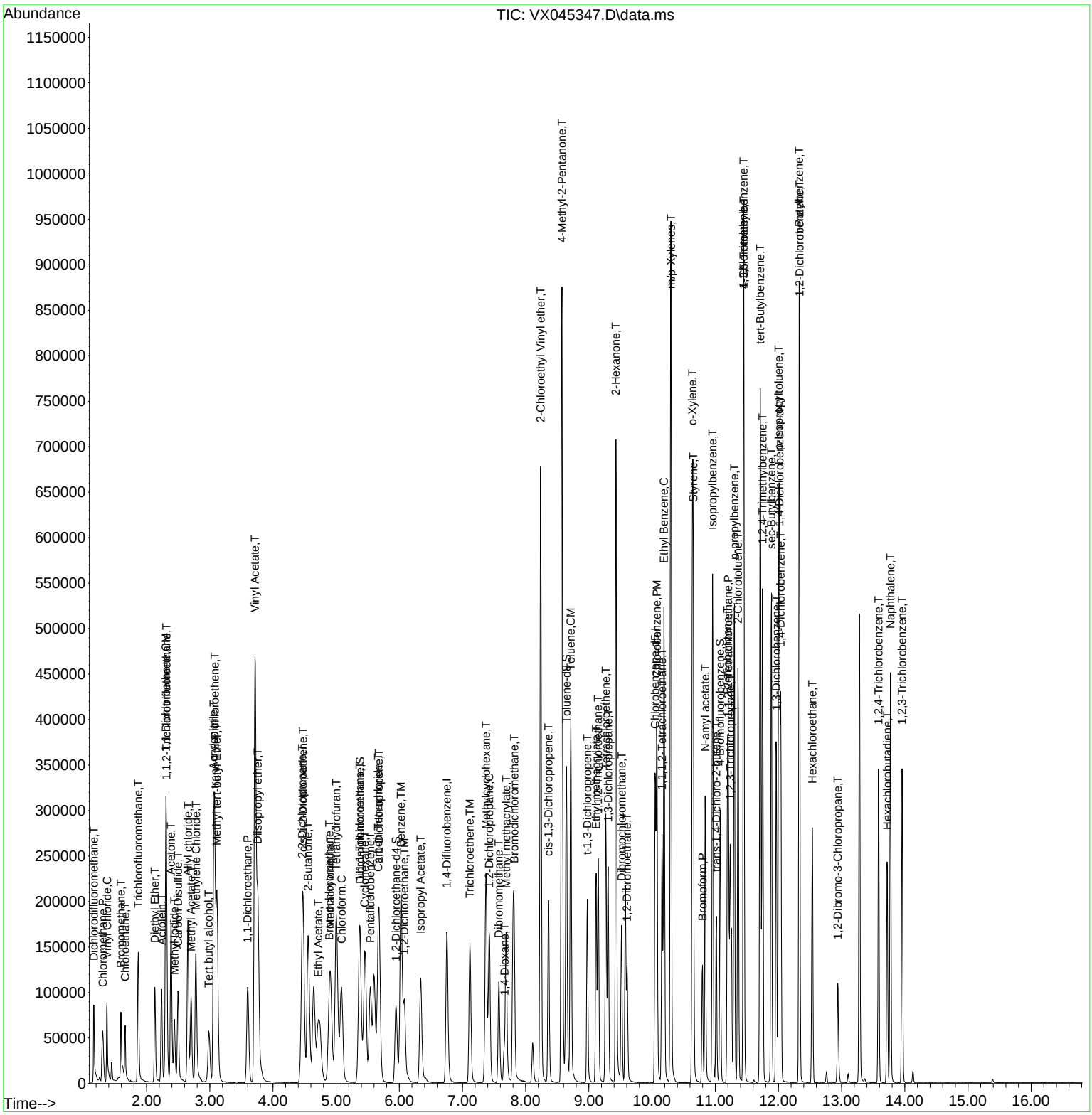
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

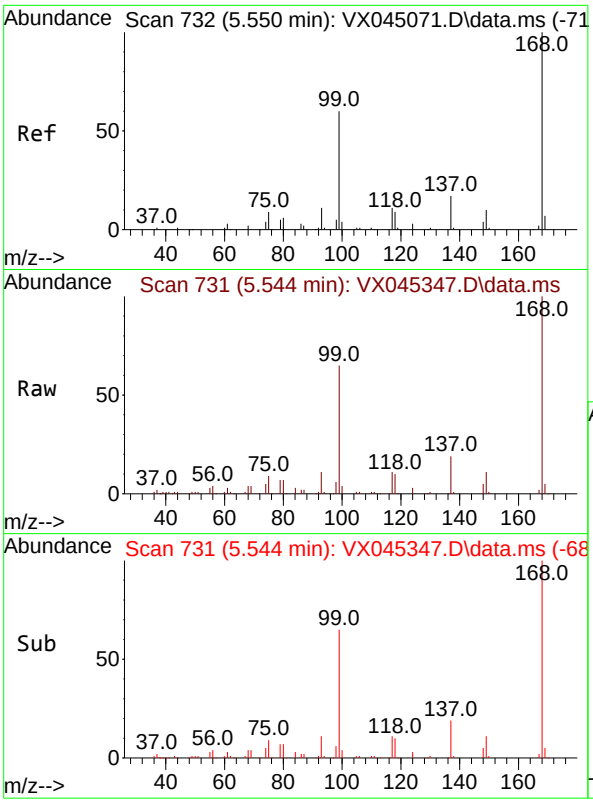
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
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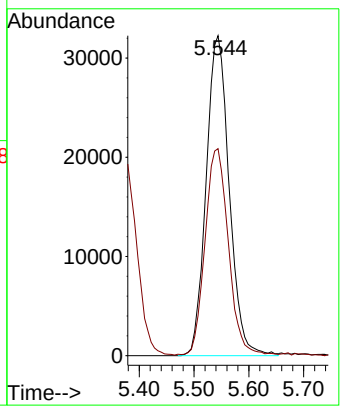




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:168 Resp: 9409

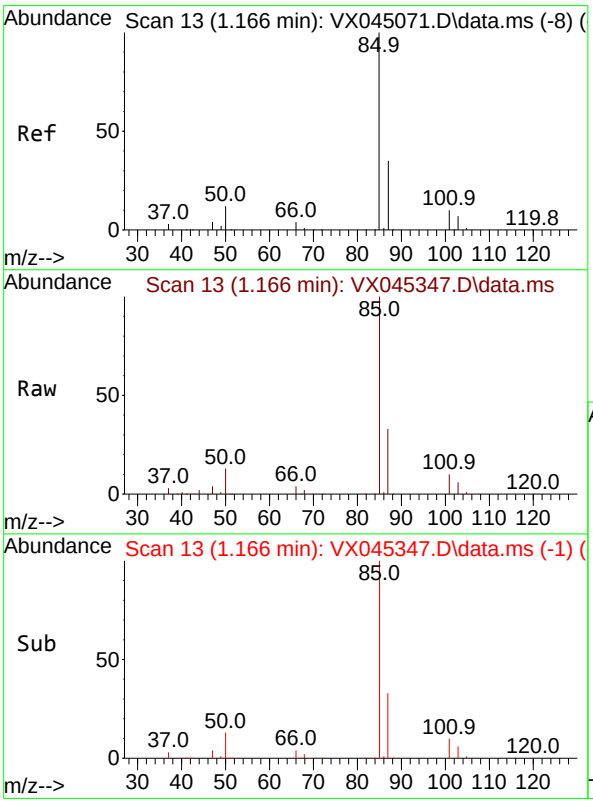
Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

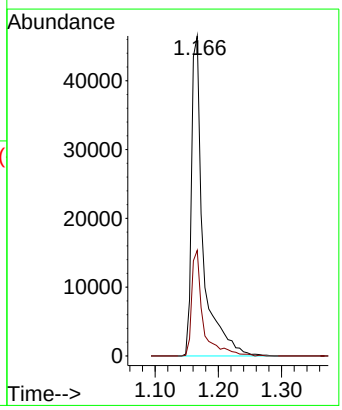
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

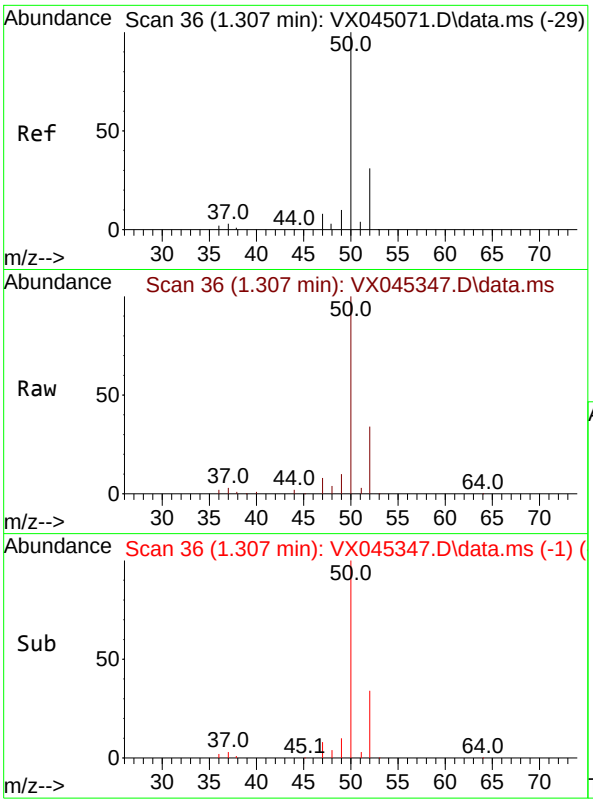


#2
Dichlorodifluoromethane
Concen: 50.442 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 85 Resp: 59746

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3

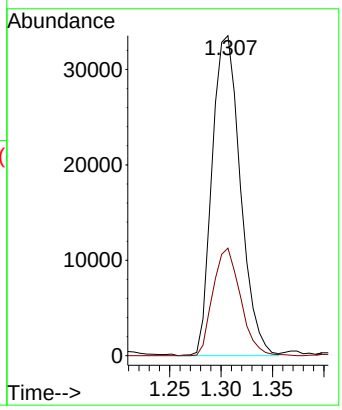




#3
Chloromethane
Concen: 44.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 50 Resp: 6430

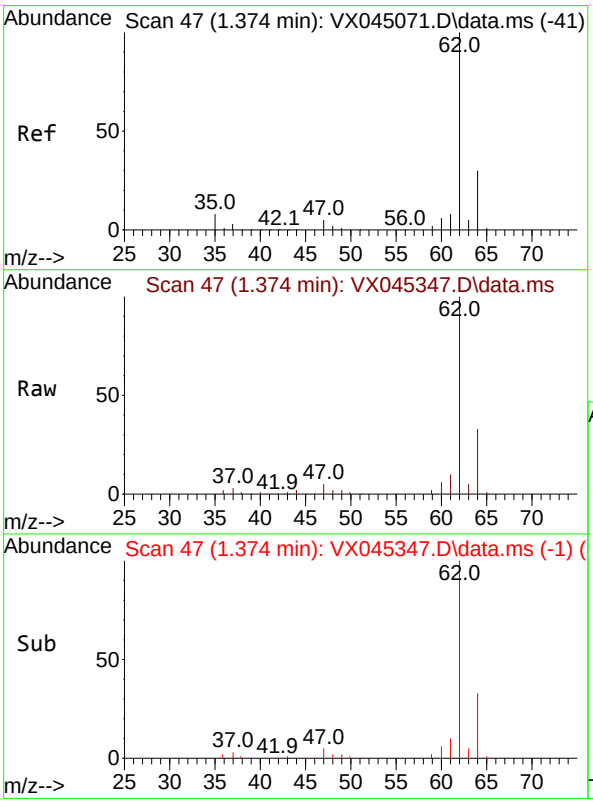
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

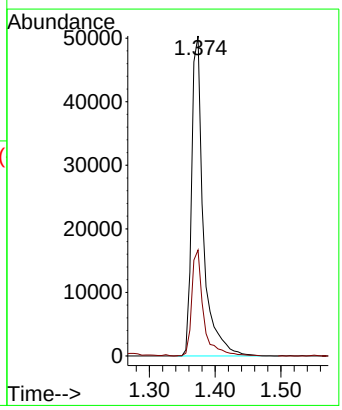
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

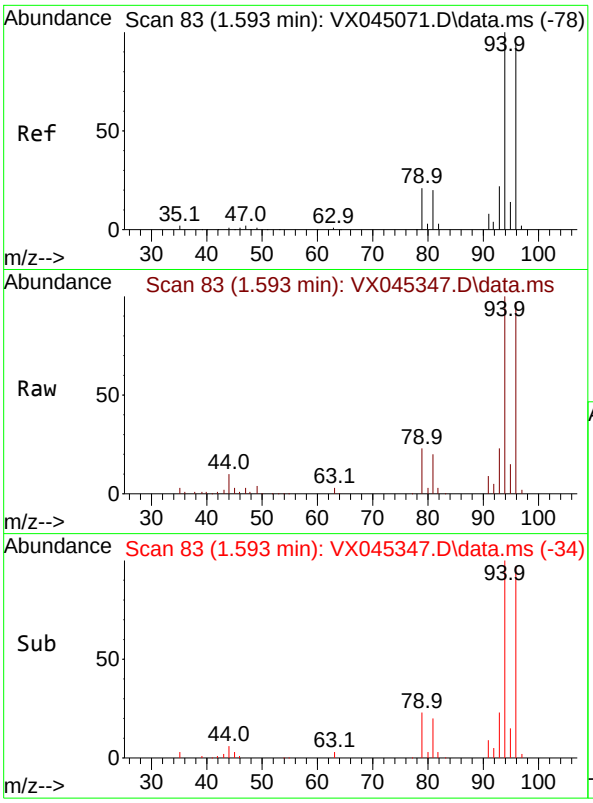


#4
Vinyl Chloride
Concen: 43.004 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 61838

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5

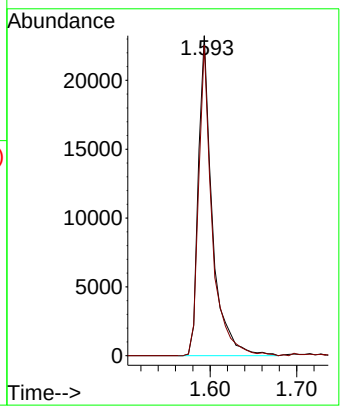




#5
Bromomethane
Concen: 45.822 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 94 Resp: 2590

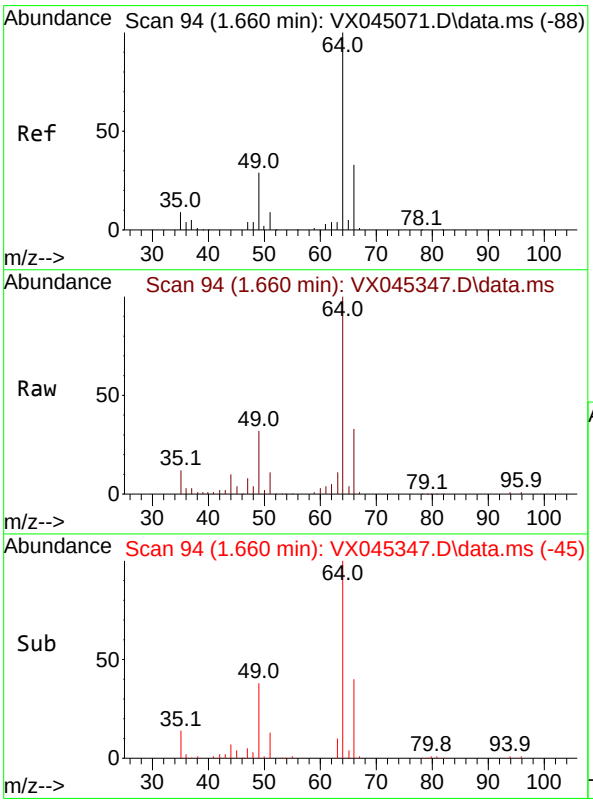
Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

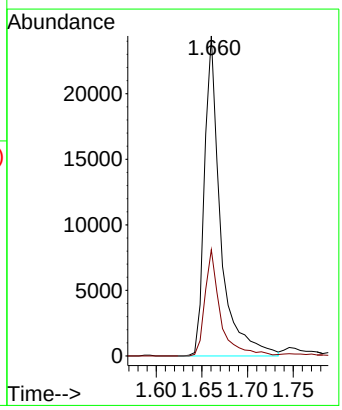
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

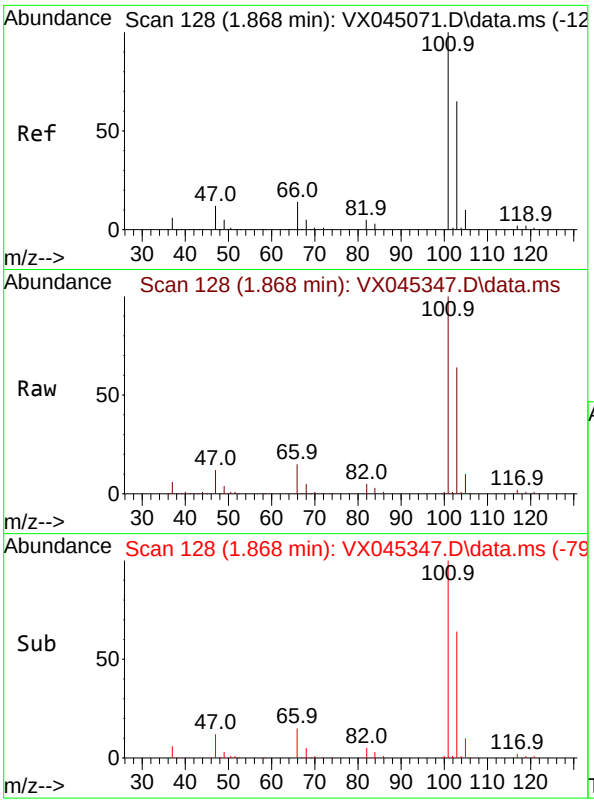


#6
Chloroethane
Concen: 44.831 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 64 Resp: 29735

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.7	40.1





#7
Trichlorofluoromethane
Concen: 48.366 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

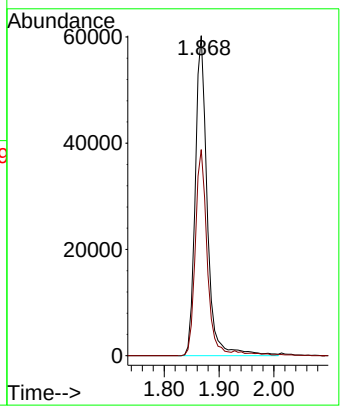
Tgt Ion:101 Resp: 9206

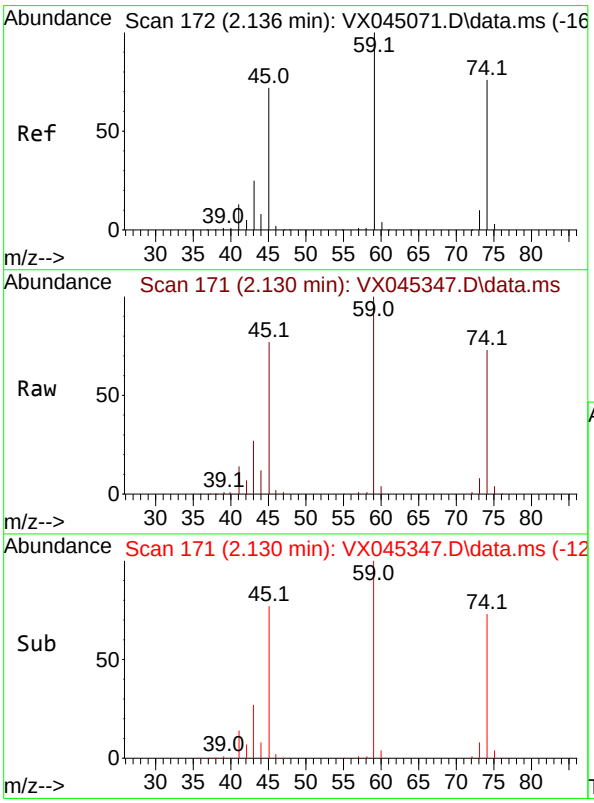
Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

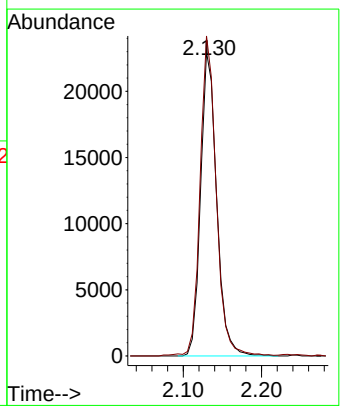


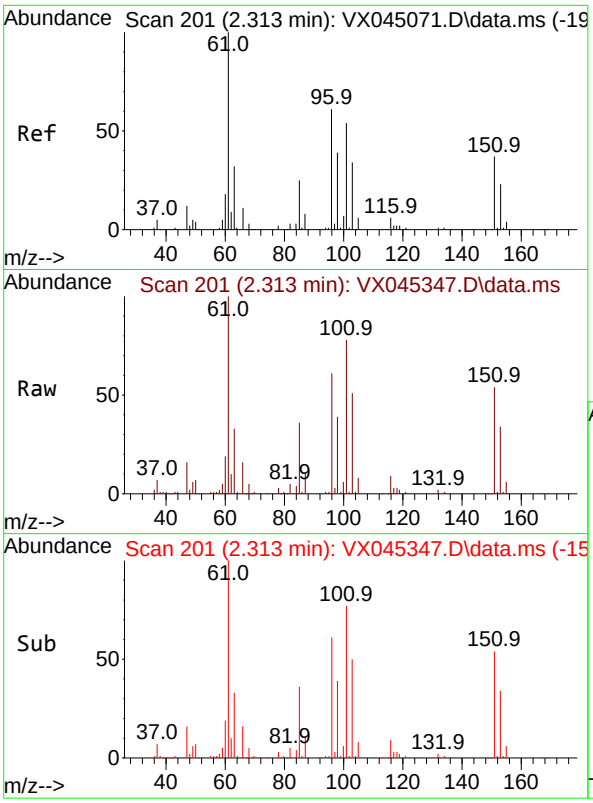


#8
Diethyl Ether
Concen: 43.843 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 74 Resp: 32644

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.396 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

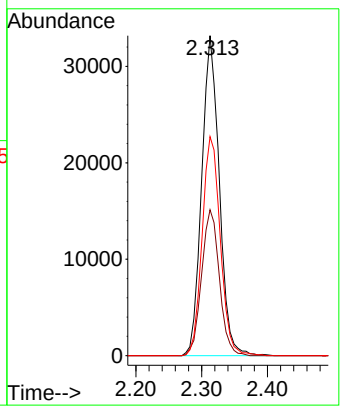
Tgt Ion:101 Resp: 6167

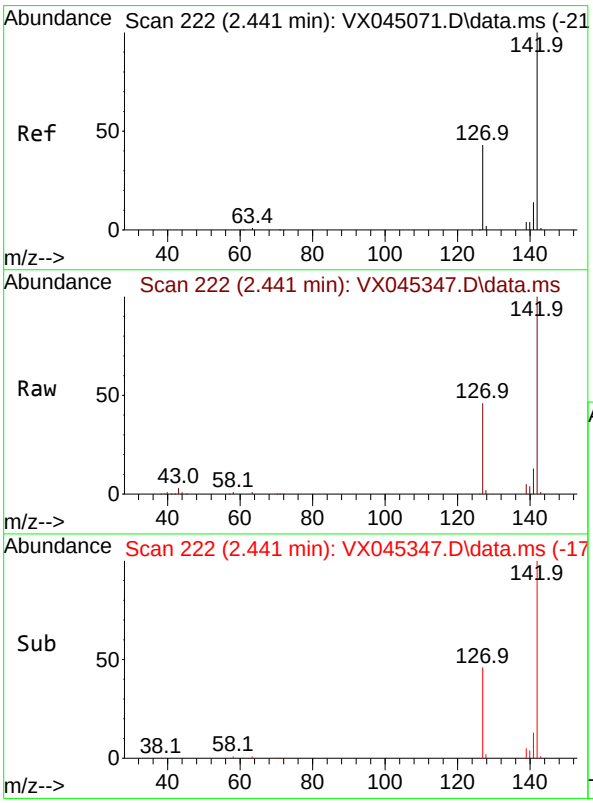
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.6	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

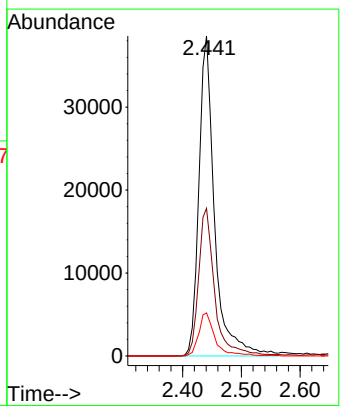


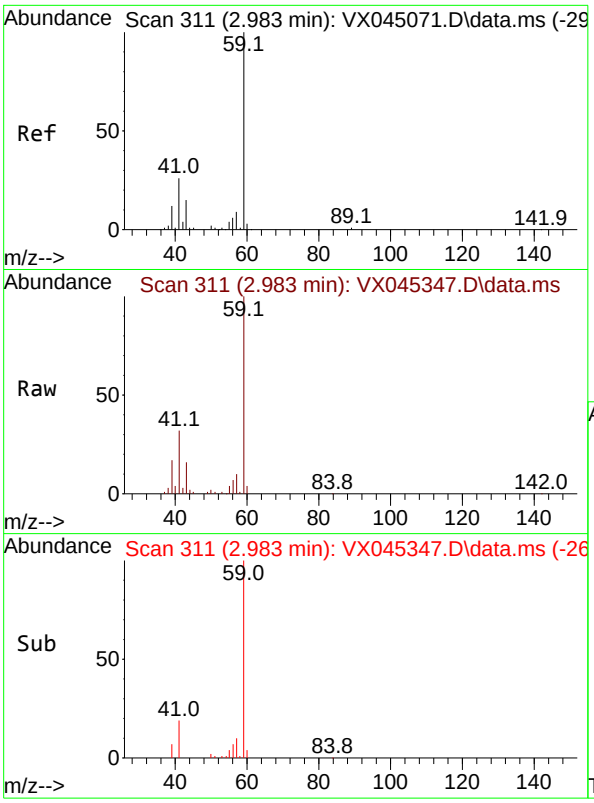


#10
Methyl Iodide
Concen: 52.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:142 Resp: 71548

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	13.9	11.6	17.4

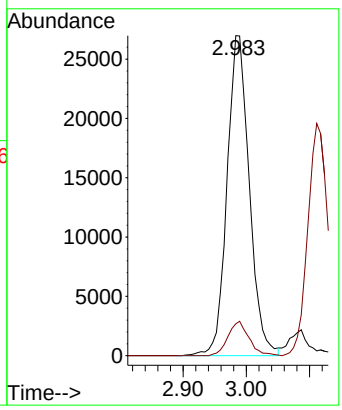




#11
Tert butyl alcohol
Concen: 232.818 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 59 Resp: 6600

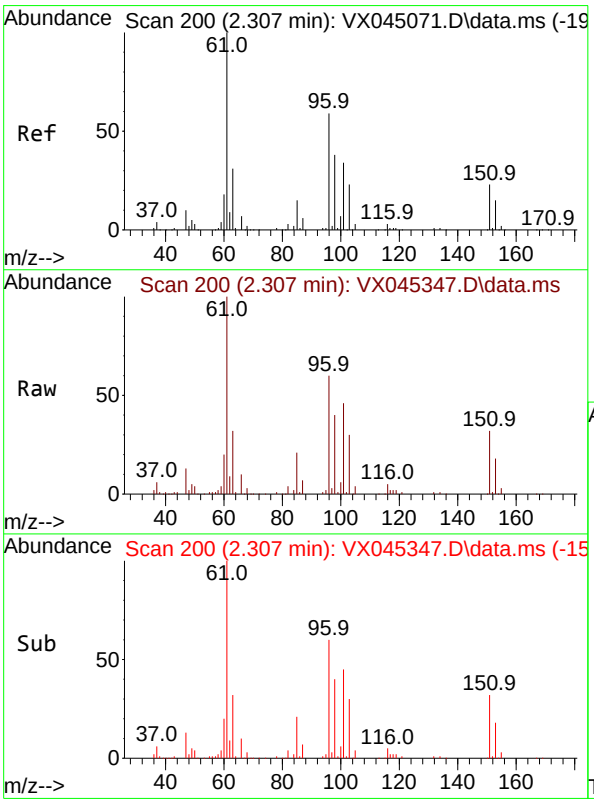
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

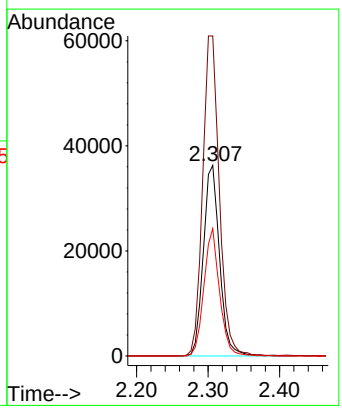
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

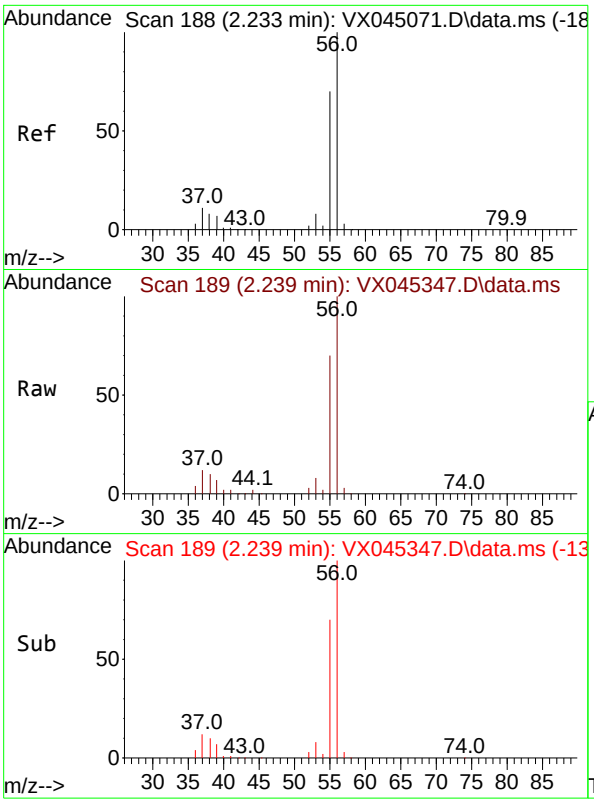


#12
1,1-Dichloroethene
Concen: 49.441 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 57166

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	66.8	51.0	76.6

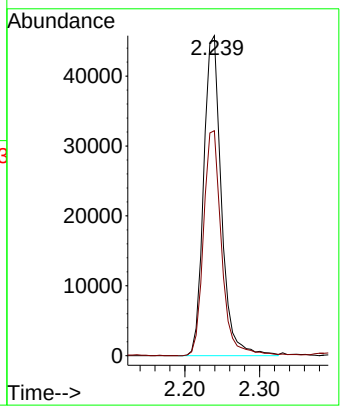




#13
Acrolein
Concen: 229.981 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 56 Resp: 7537

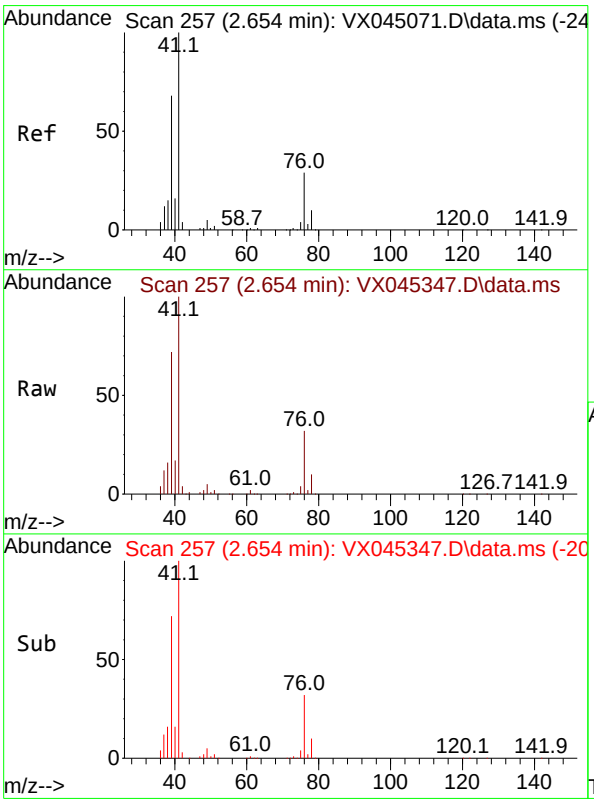
Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

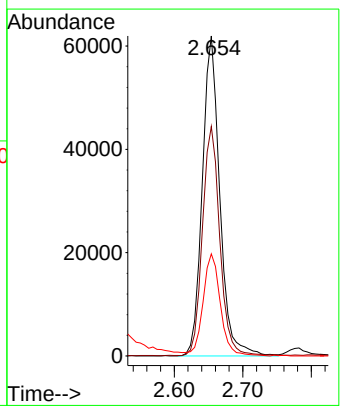
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

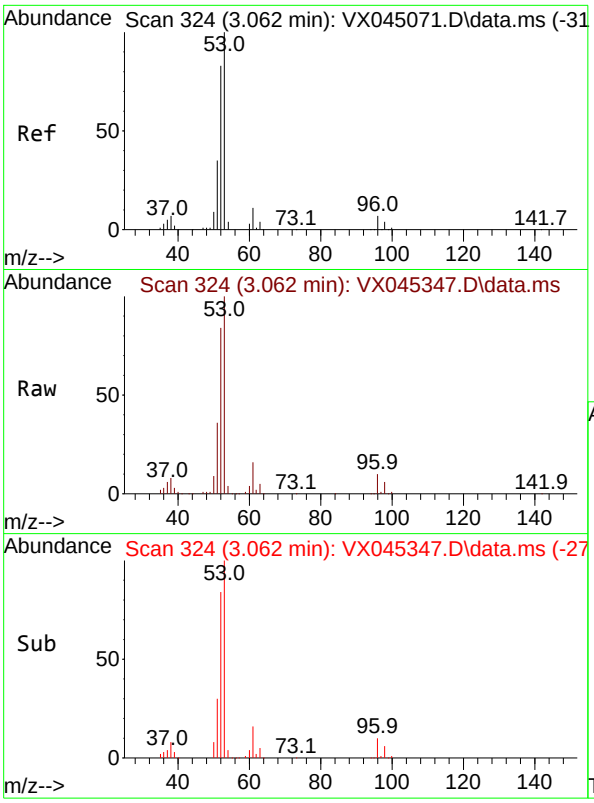


#14
Allyl chloride
Concen: 53.602 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 110322

Ion	Ratio	Lower	Upper
41	100		
39	70.6	53.8	80.8
76	31.7	25.2	37.8

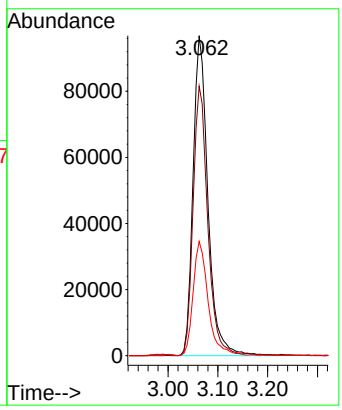




#15
Acrylonitrile
Concen: 264.049 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 53 Resp: 20063

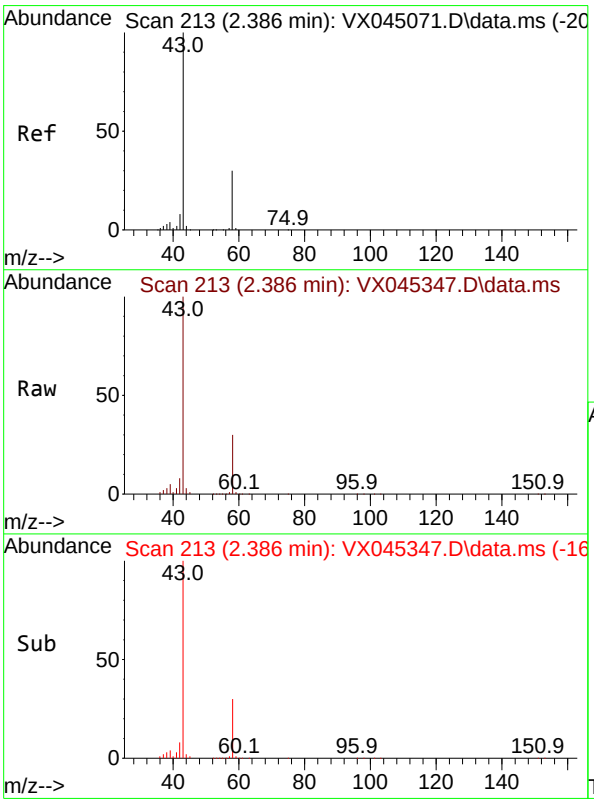
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

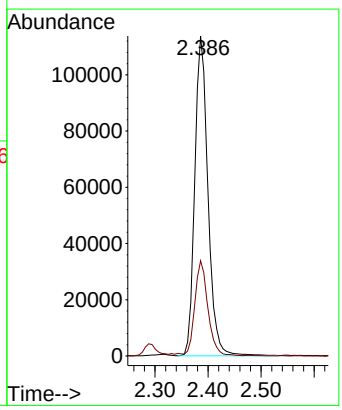
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

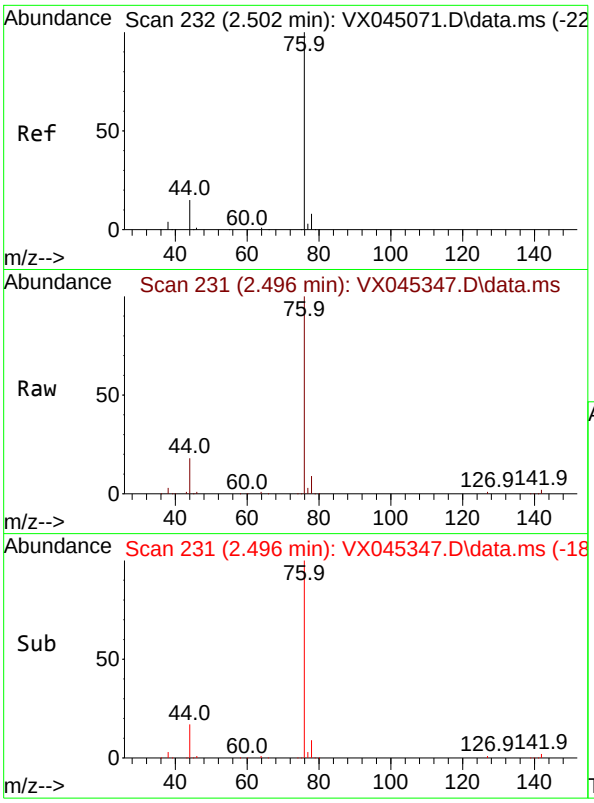


#16
Acetone
Concen: 282.690 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 196313

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

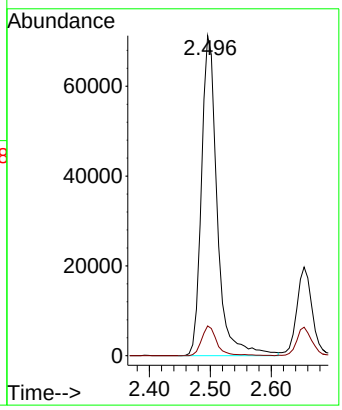




#17
Carbon Disulfide
Concen: 41.629 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 76 Resp: 12820

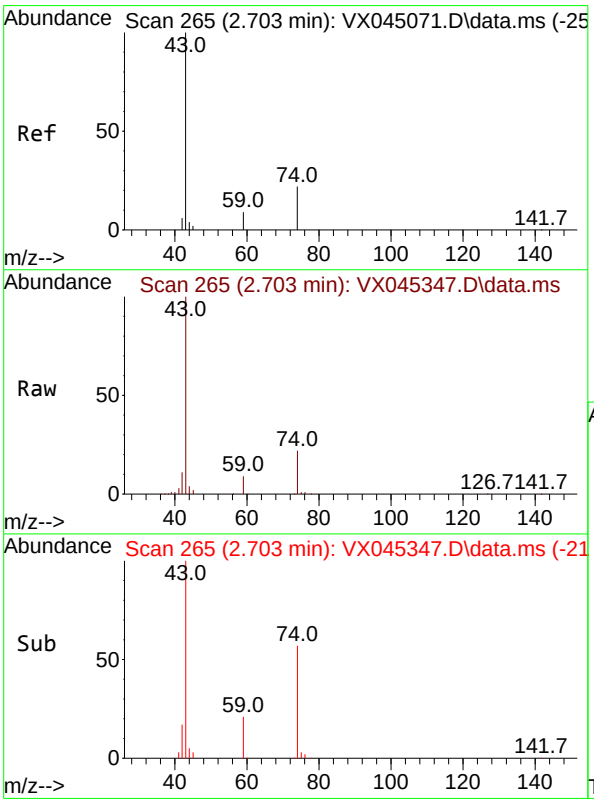
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

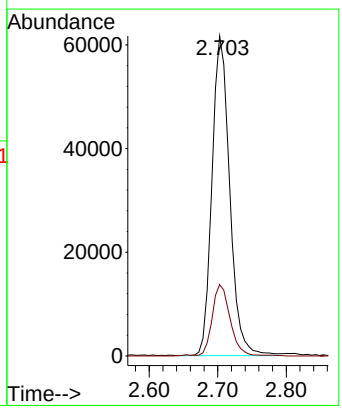
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

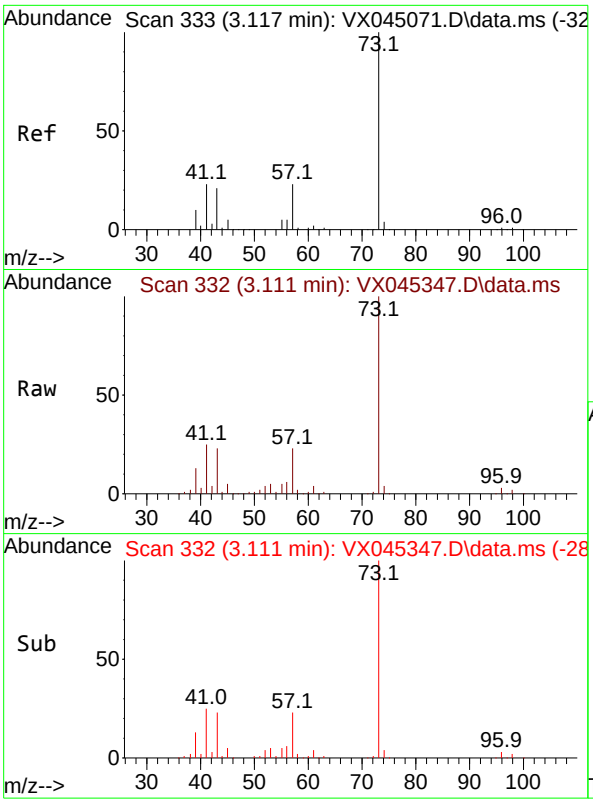


#18
Methyl Acetate
Concen: 66.439 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 110994

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

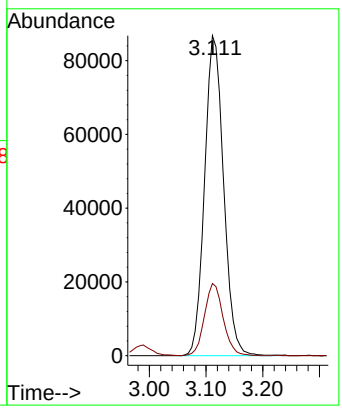




#19
Methyl tert-butyl Ether
Concen: 51.972 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 73 Resp: 20161

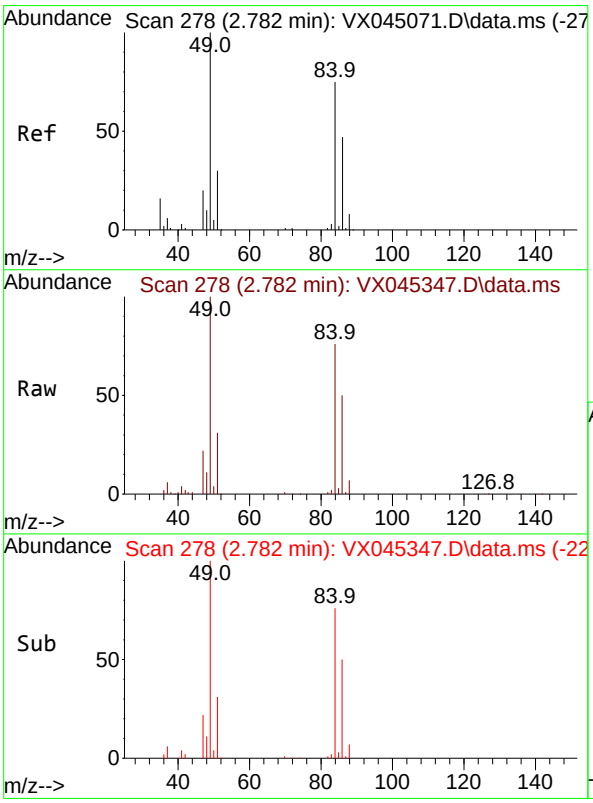
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

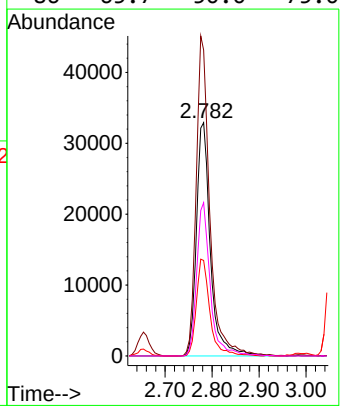
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

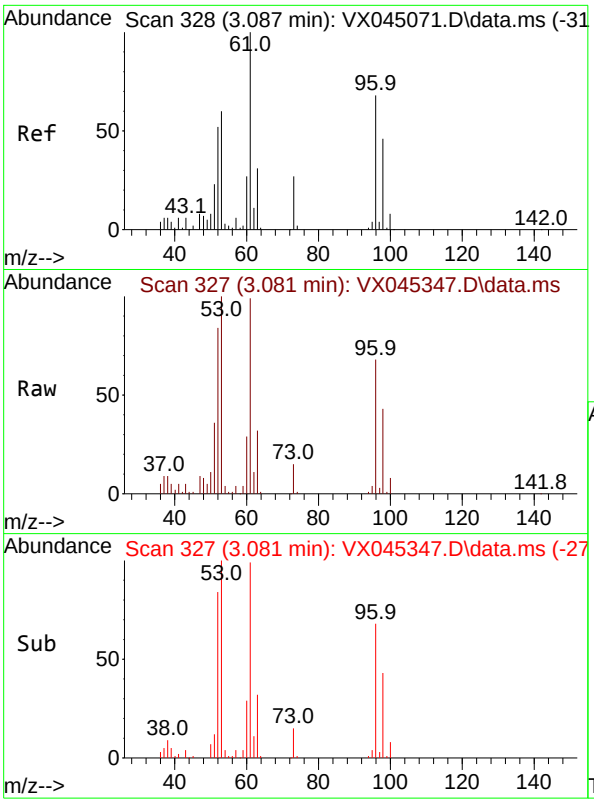


#20
Methylene Chloride
Concen: 49.504 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 84 Resp: 68099

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.0	32.1	48.1
86	65.7	50.0	75.0

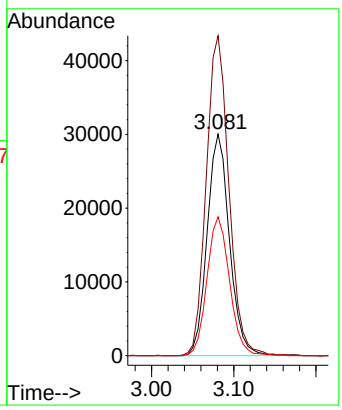




#21
trans-1,2-Dichloroethene
Concen: 49.612 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 5667

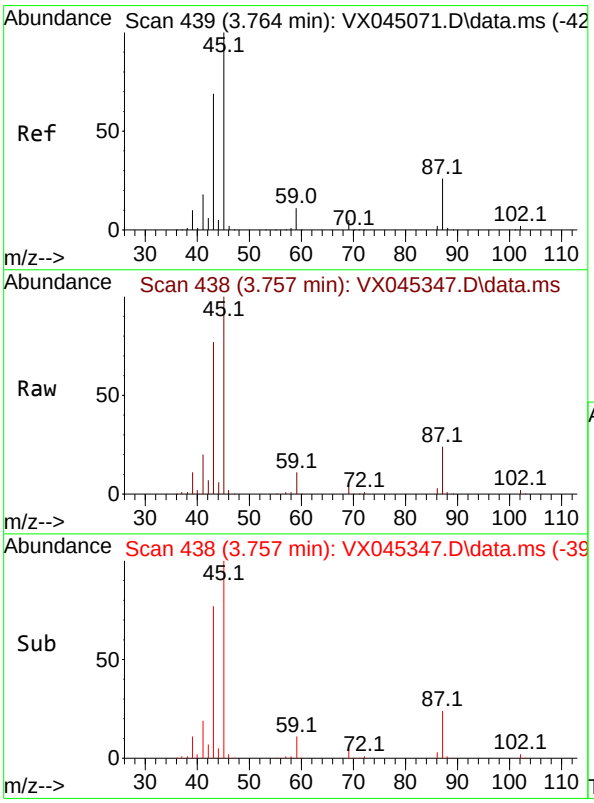
Ion	Ratio	Lower	Upper
96	100		
61	144.5	117.0	175.4
98	62.7	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

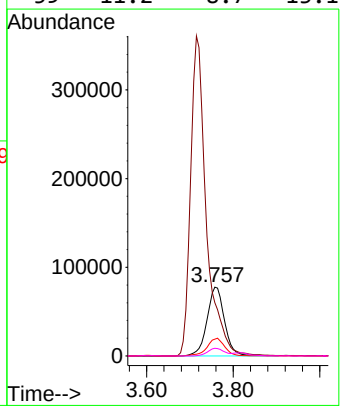
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

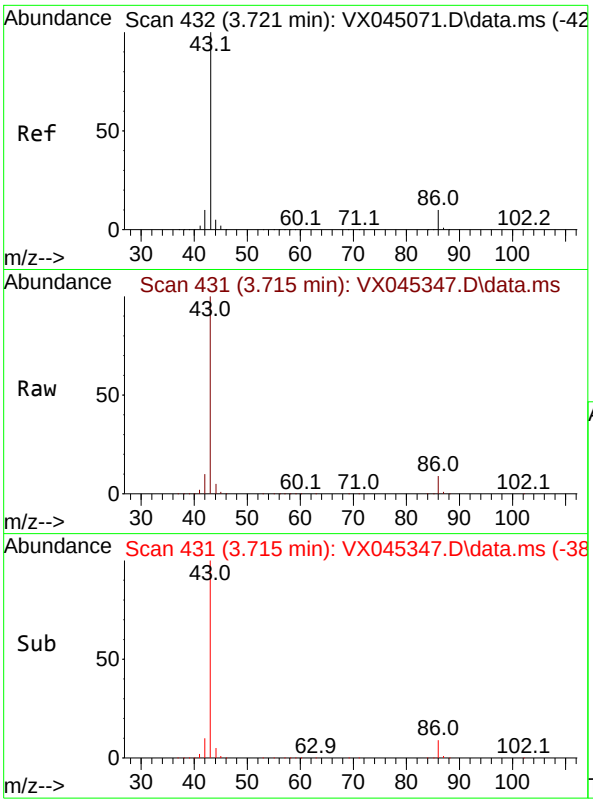


#22
Diisopropyl ether
Concen: 52.186 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 45 Resp: 218443

Ion	Ratio	Lower	Upper
45	100		
43	76.8	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1

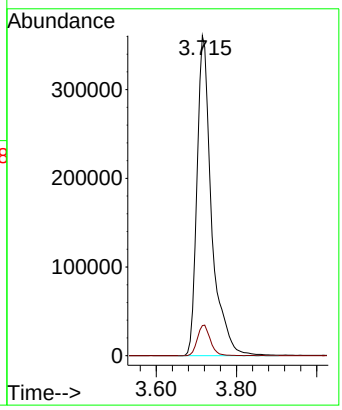




#23
Vinyl Acetate
Concen: 260.960 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 91156

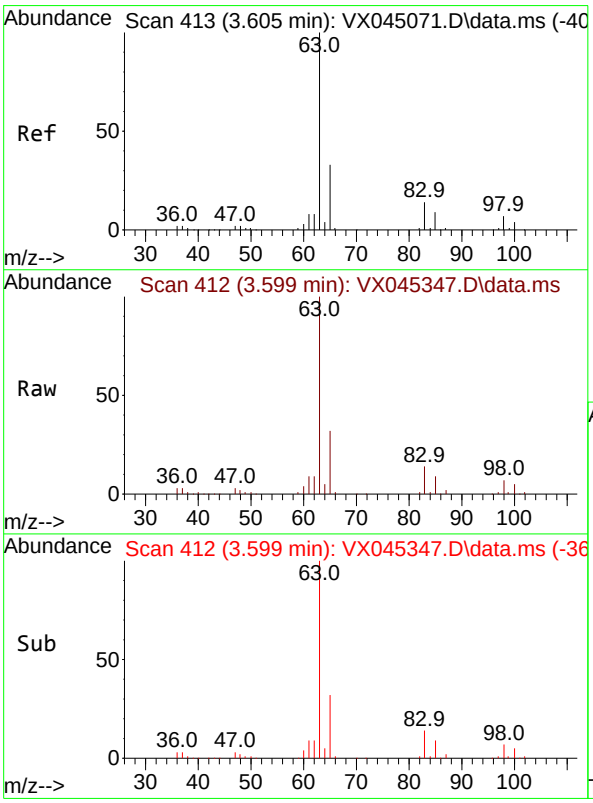
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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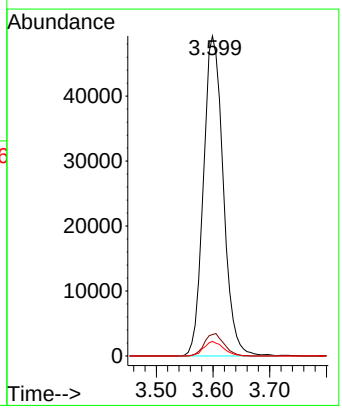
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

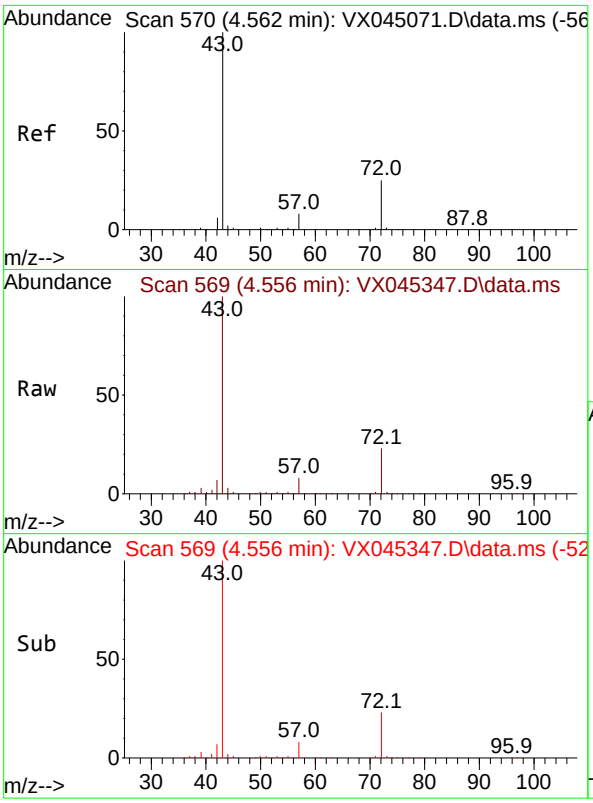


#24
1,1-Dichloroethane
Concen: 50.922 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 119458

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.1	6.5

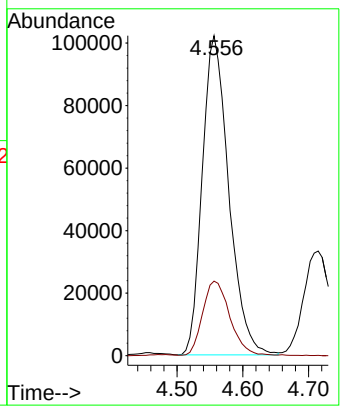




#25
2-Butanone
Concen: 274.133 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 28655

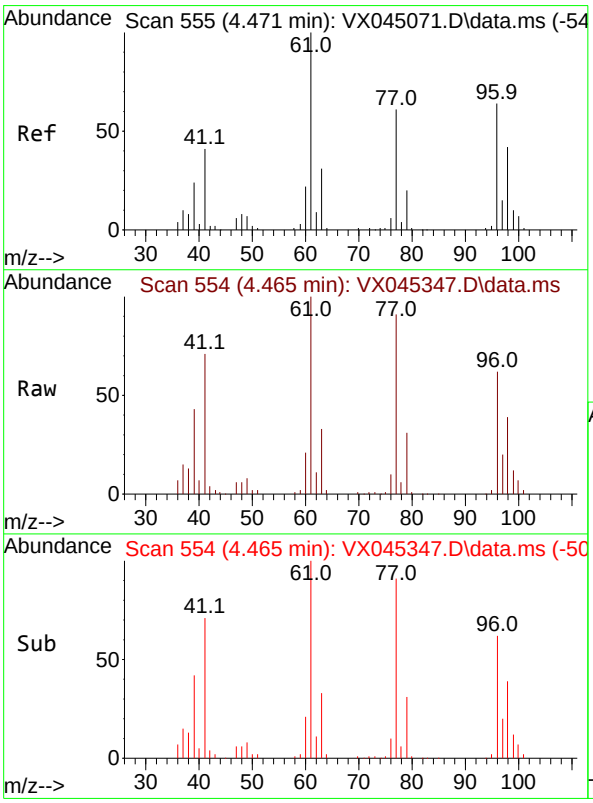
Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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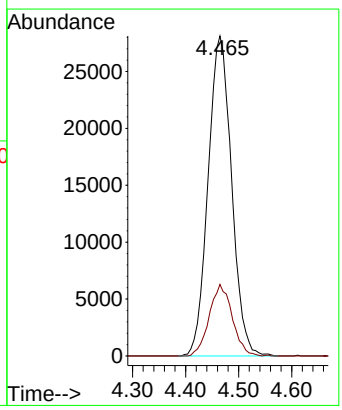
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

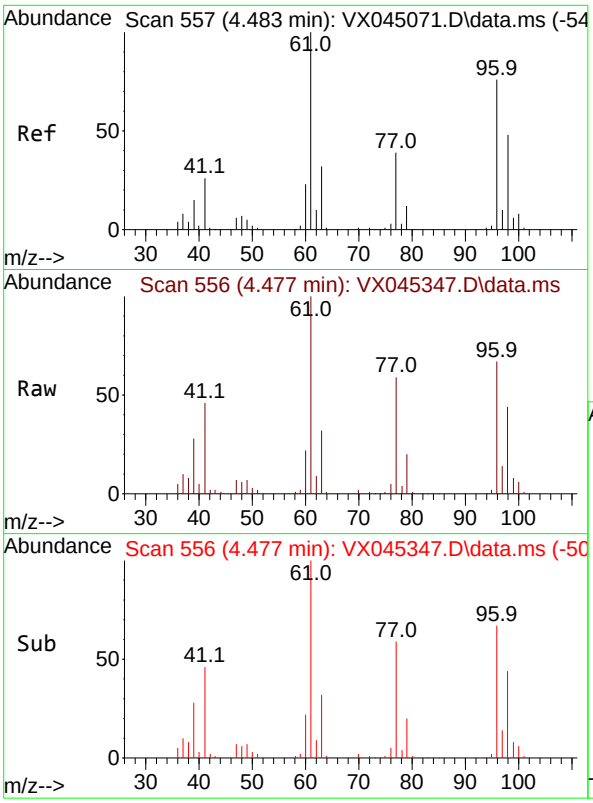


#26
2,2-Dichloropropane
Concen: 78.567 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 77 Resp: 86451

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 50.388 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

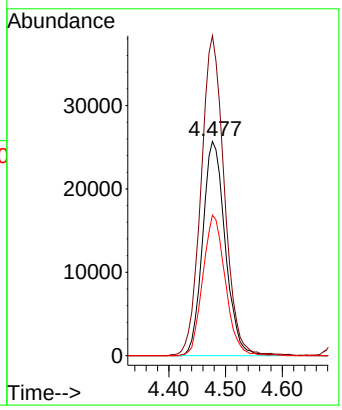
Tgt Ion: 96 Resp: 7105

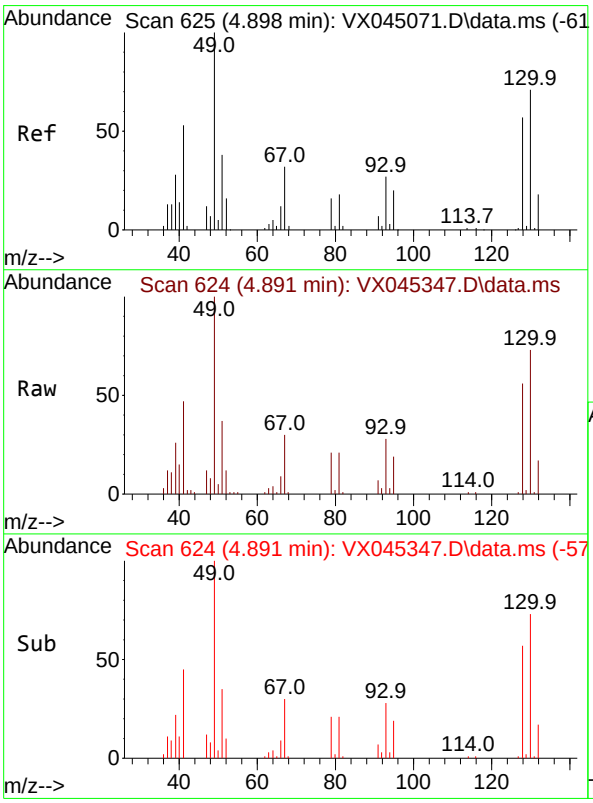
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	283.2
98	65.4	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

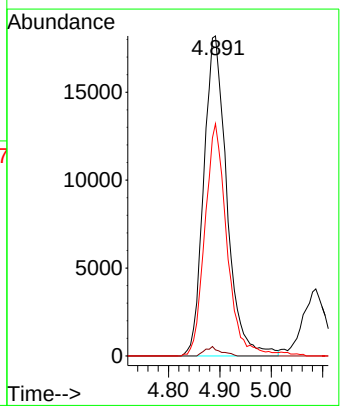


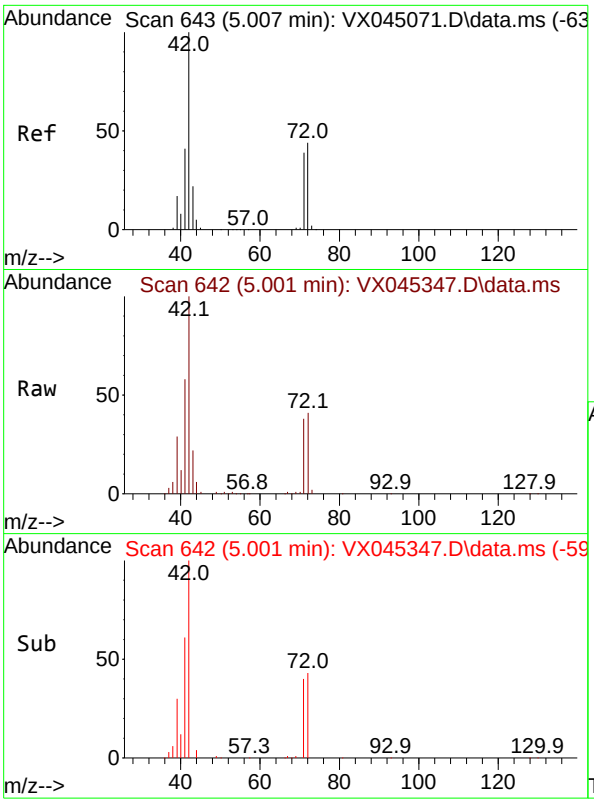


#28
Bromochloromethane
Concen: 50.753 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 49 Resp: 56750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.0	56.1	84.1





#29
Tetrahydrofuran
Concen: 251.058 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

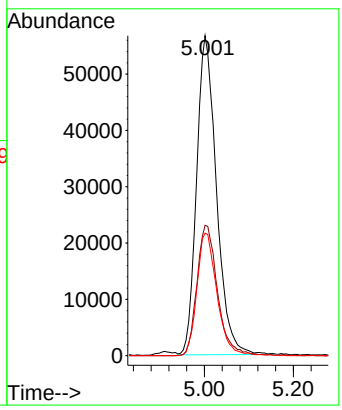
Tgt Ion: 42 Resp: 17623

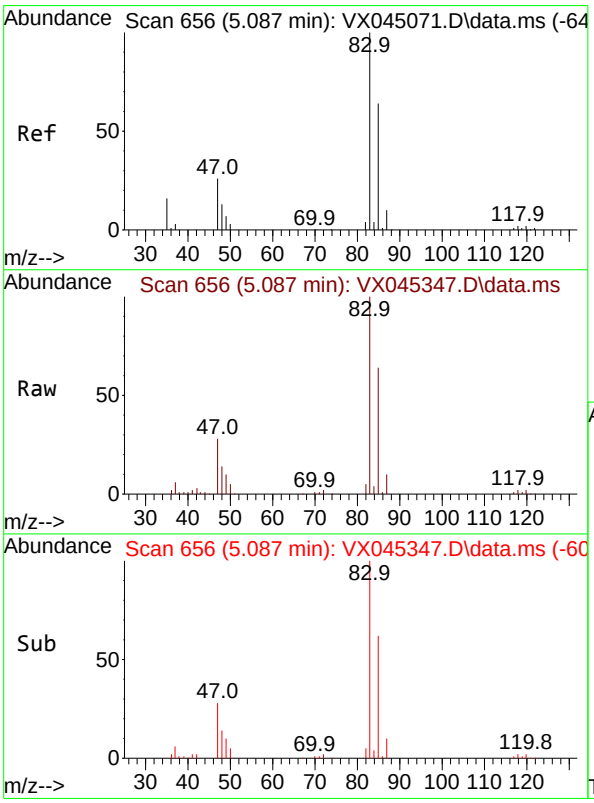
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

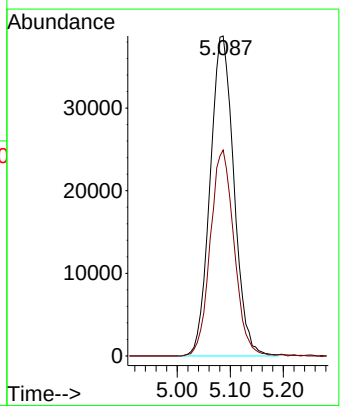


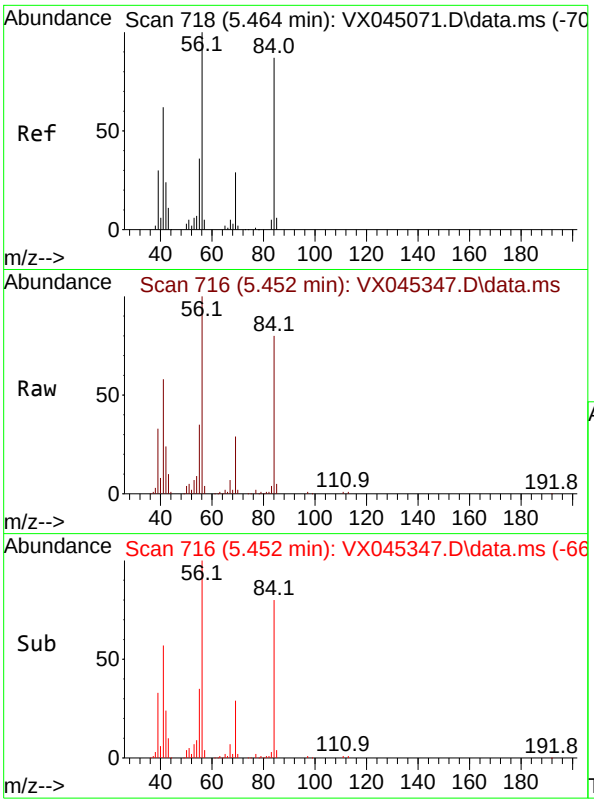


#30
Chloroform
Concen: 51.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

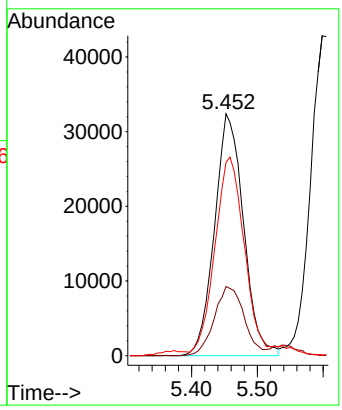




#31
Cyclohexane
Concen: 48.741 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 56 Resp: 9925

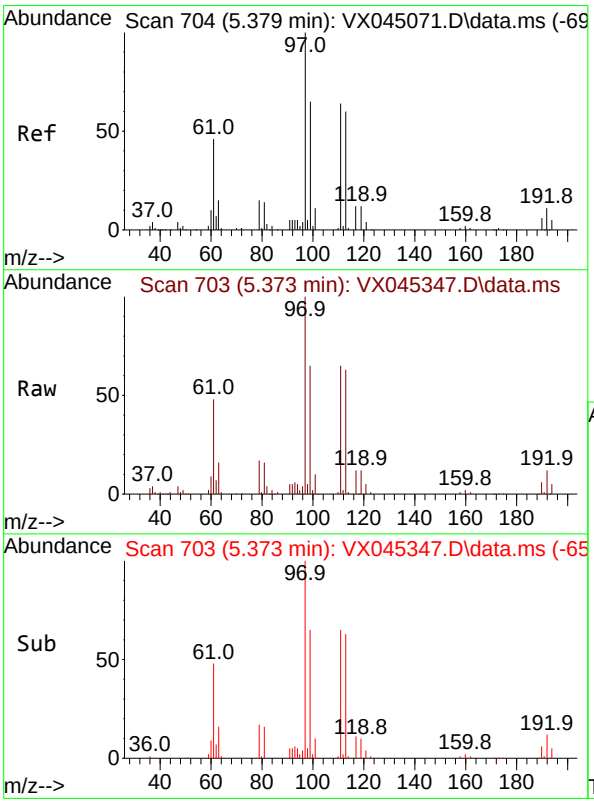
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.2
84	78.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

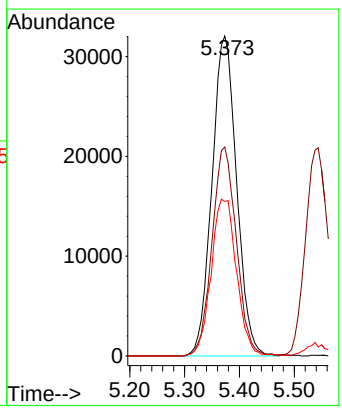
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

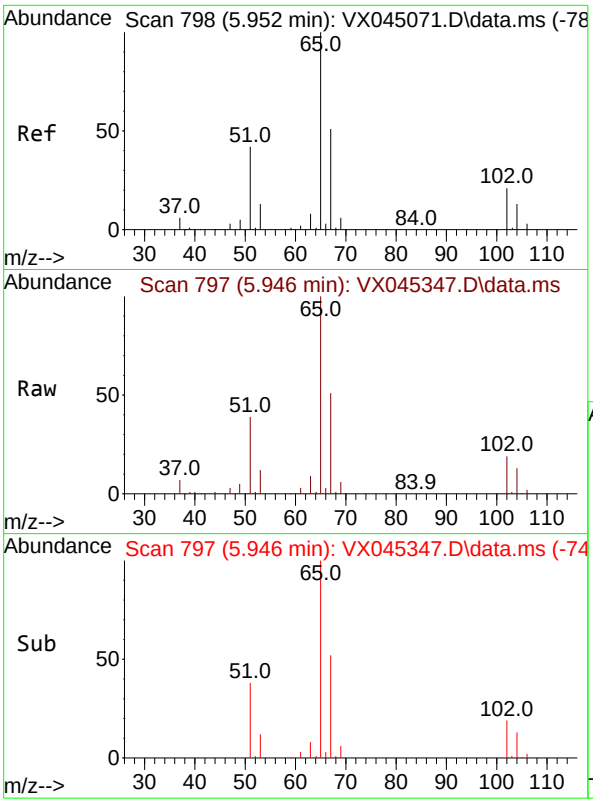


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 100201

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.4	38.4	57.6

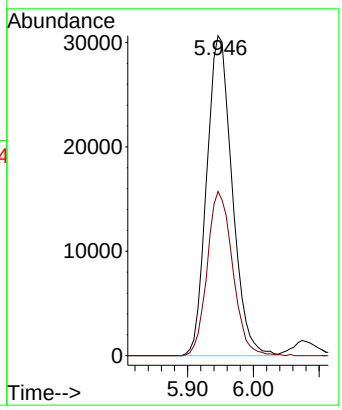




#33
1,2-Dichloroethane-d4
Concen: 55.125 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 65 Resp: 8250

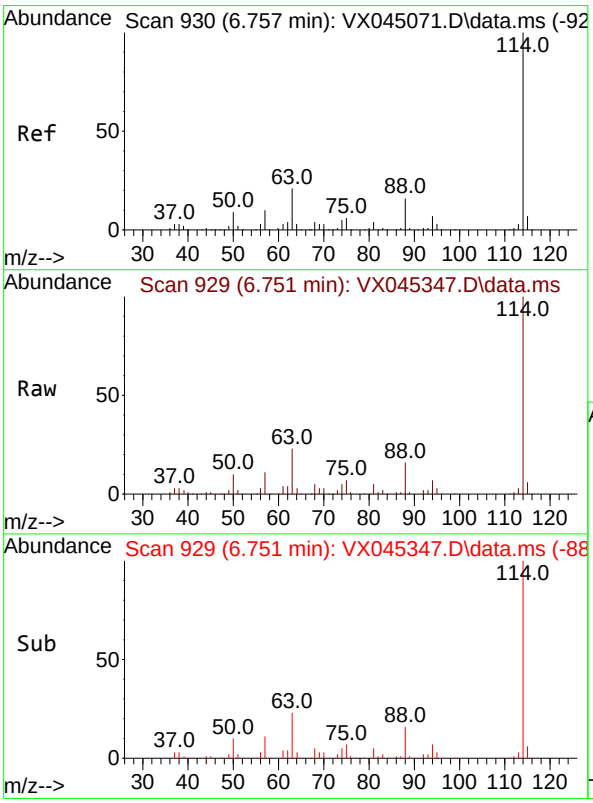
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

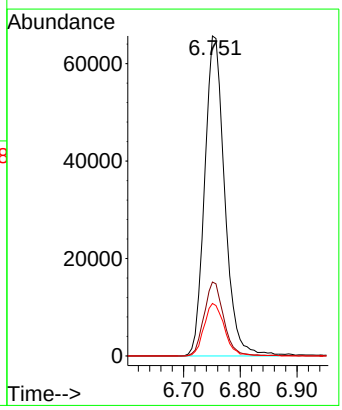
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

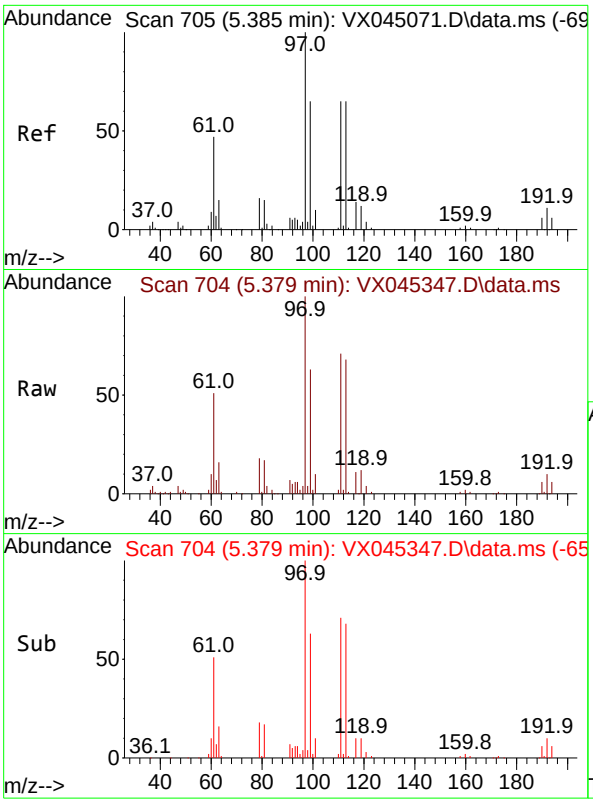


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:114 Resp: 160941

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	16.4	0.0	32.8

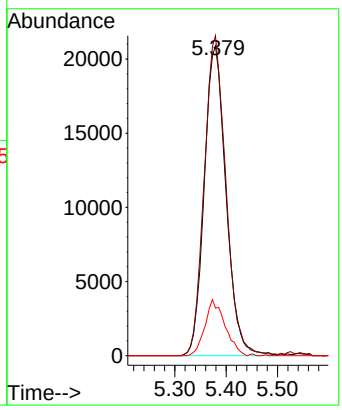




#35
Dibromofluoromethane
Concen: 57.055 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:113 Resp: 6140

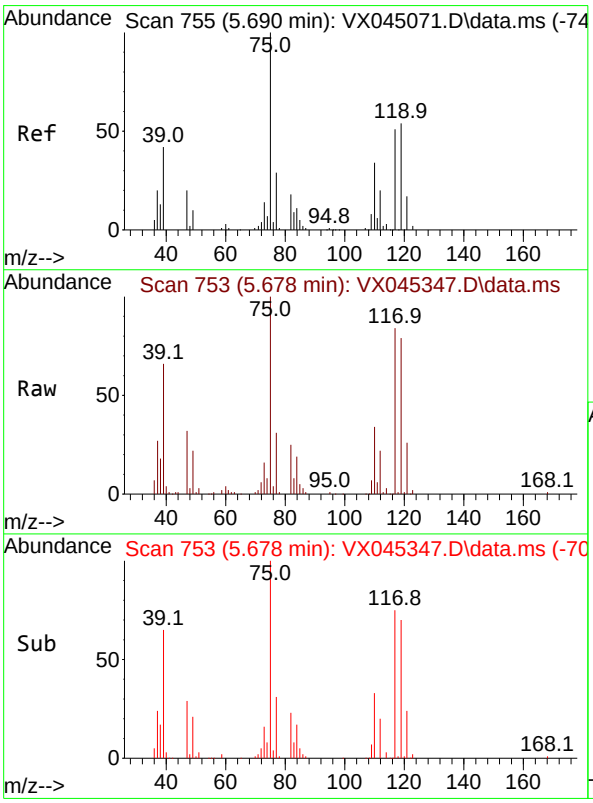
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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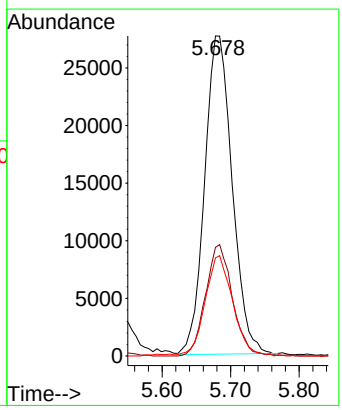
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

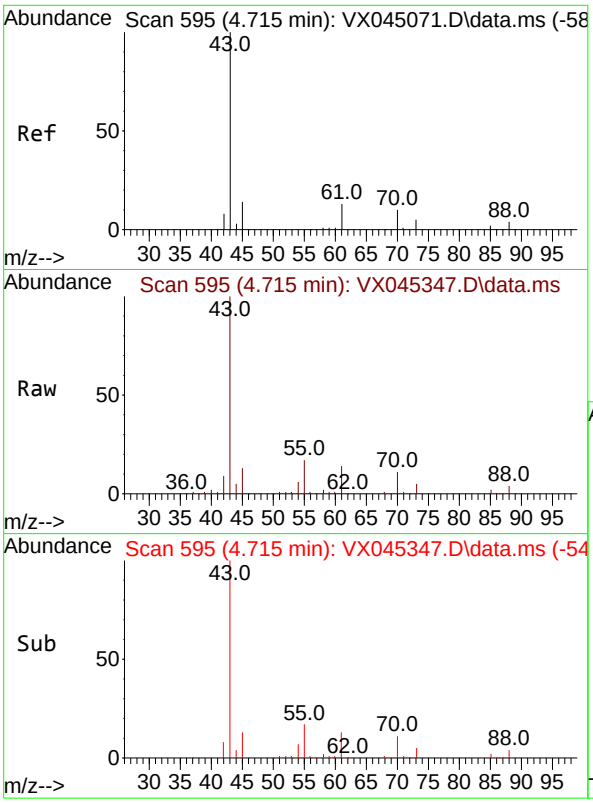


#36
1,1-Dichloropropene
Concen: 52.334 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 77237

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.5	24.5	36.7

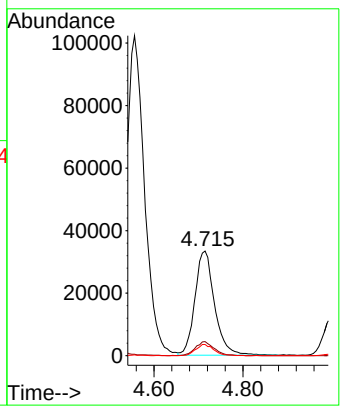




#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 10218

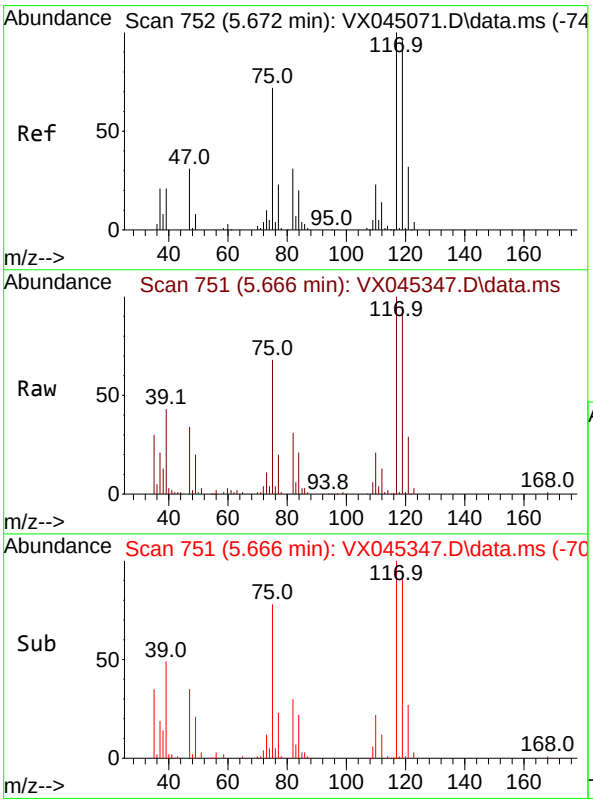
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	10.0	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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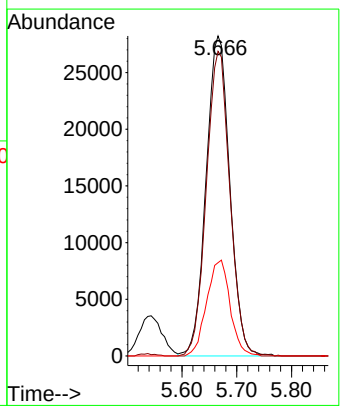
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

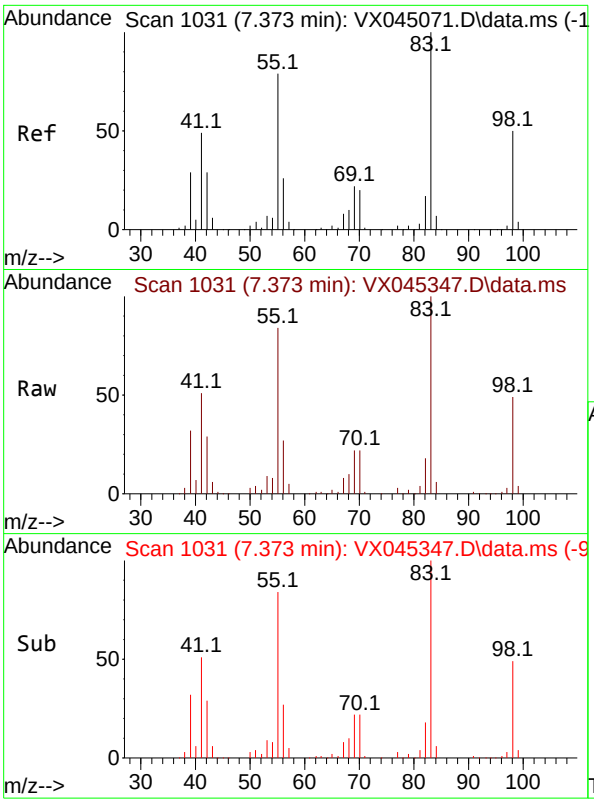


#38
Carbon Tetrachloride
Concen: 56.470 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 84612

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.2	25.5	38.3

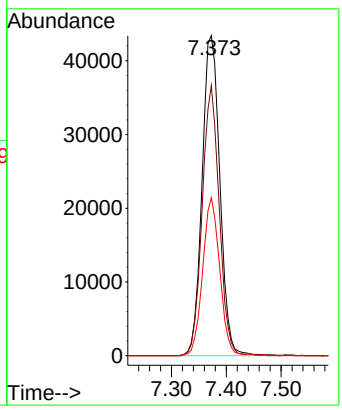




#39
Methylcyclohexane
Concen: 55.240 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

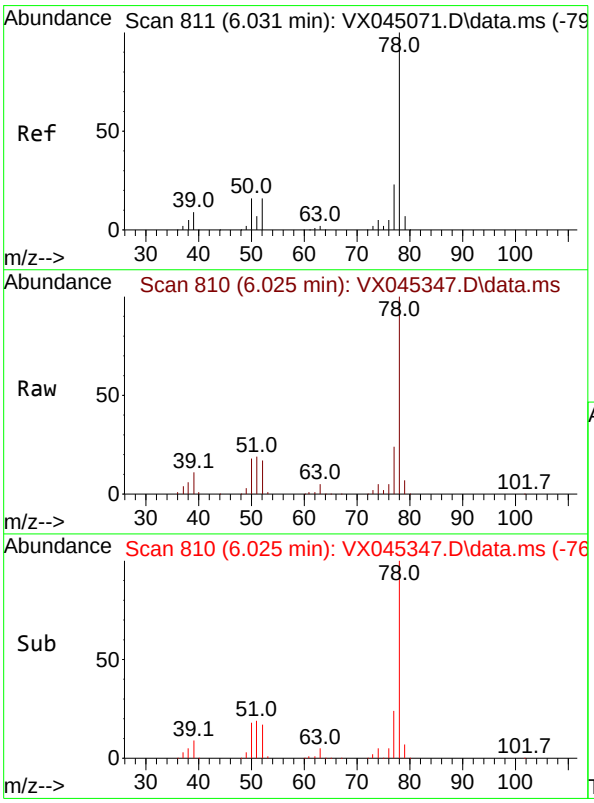
Tgt Ion: 83 Resp: 9768

Ion	Ratio	Lower	Upper
83	100		
55	84.4	63.0	94.4
98	49.3	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

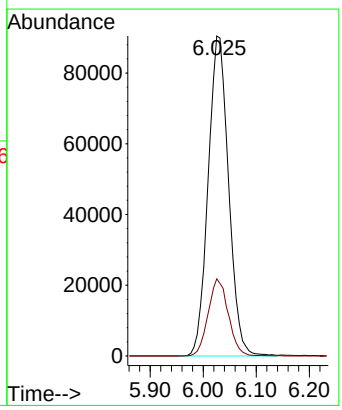
Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

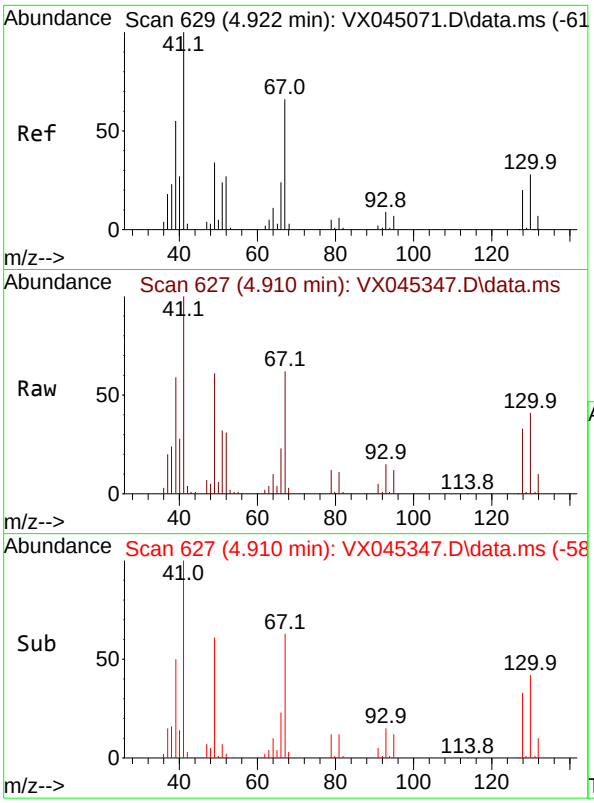


#40
Benzene
Concen: 51.973 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 78 Resp: 242215

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2

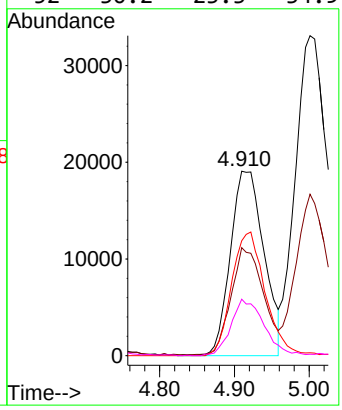




#41
Methacrylonitrile
Concen: 58.072 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 5971

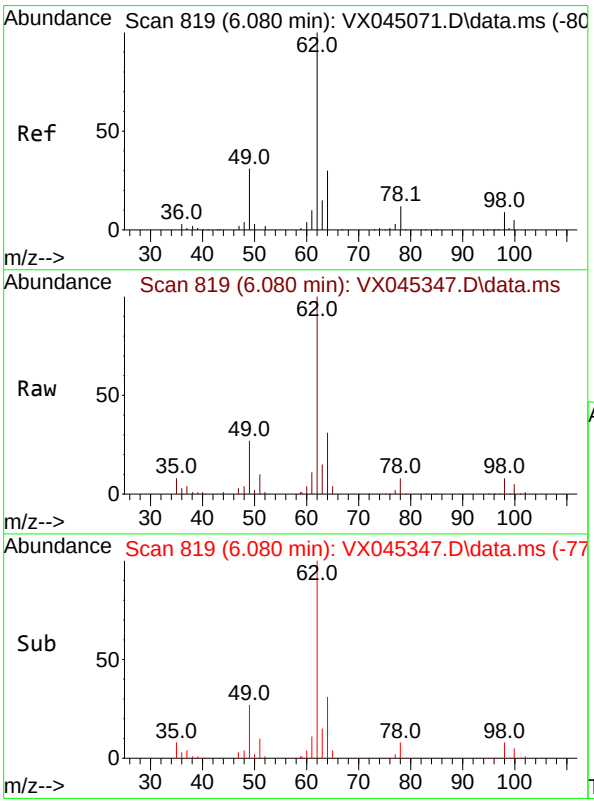
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.3	53.9	80.9
52	30.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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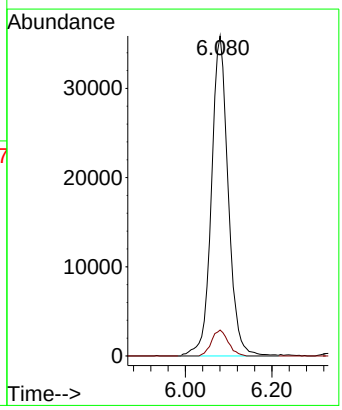
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

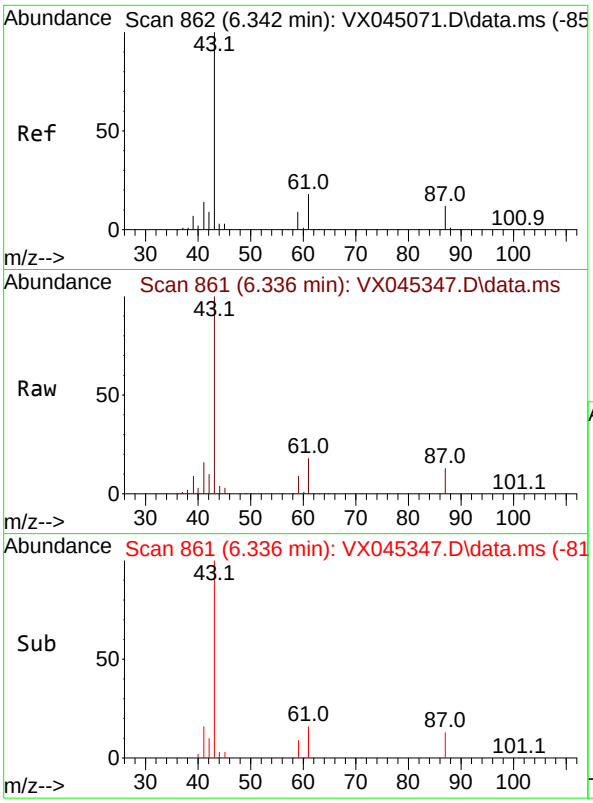


#42
1,2-Dichloroethane
Concen: 57.604 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 96672

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 56.979 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

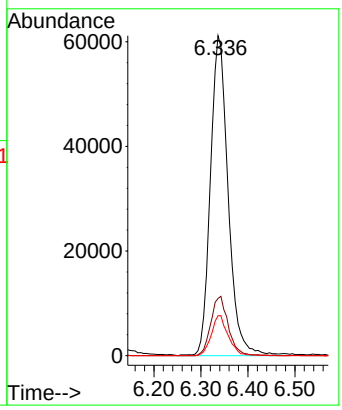
Tgt Ion: 43 Resp: 16023

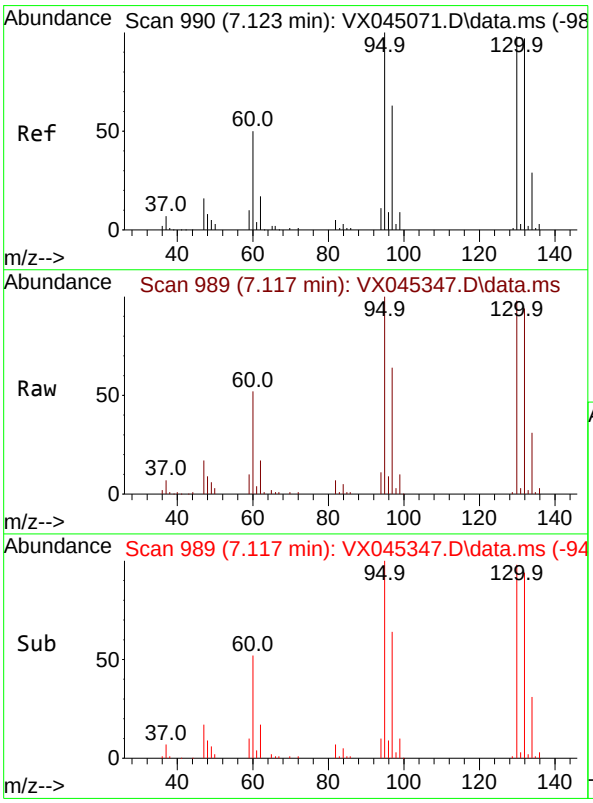
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.9	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/21/2025
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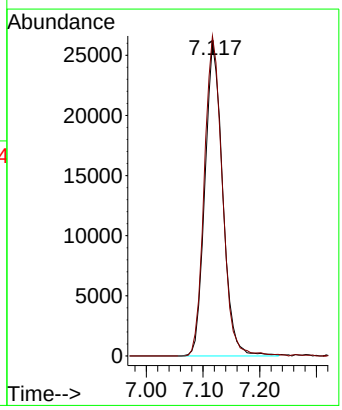


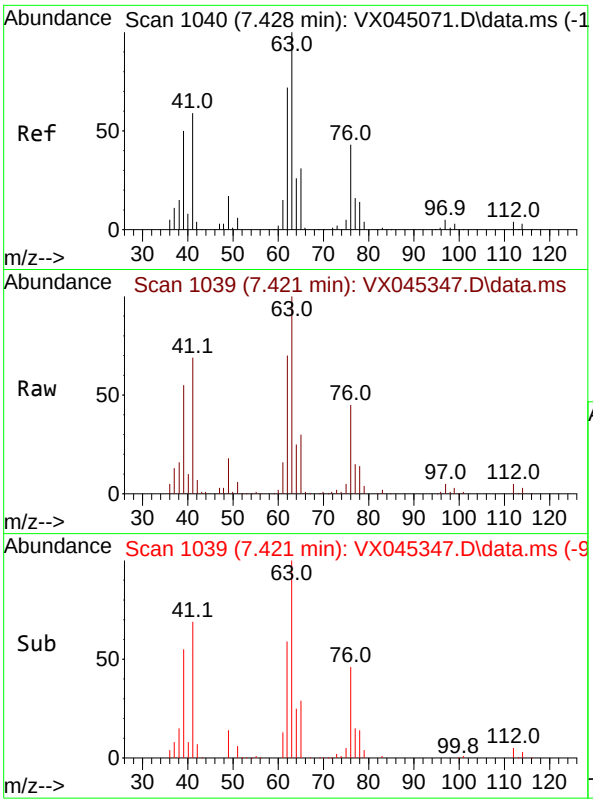


#44
Trichloroethene
Concen: 51.854 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:130 Resp: 56744

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.0

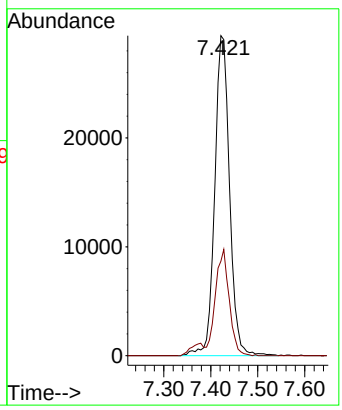




#45
1,2-Dichloropropane
Concen: 53.925 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 6461

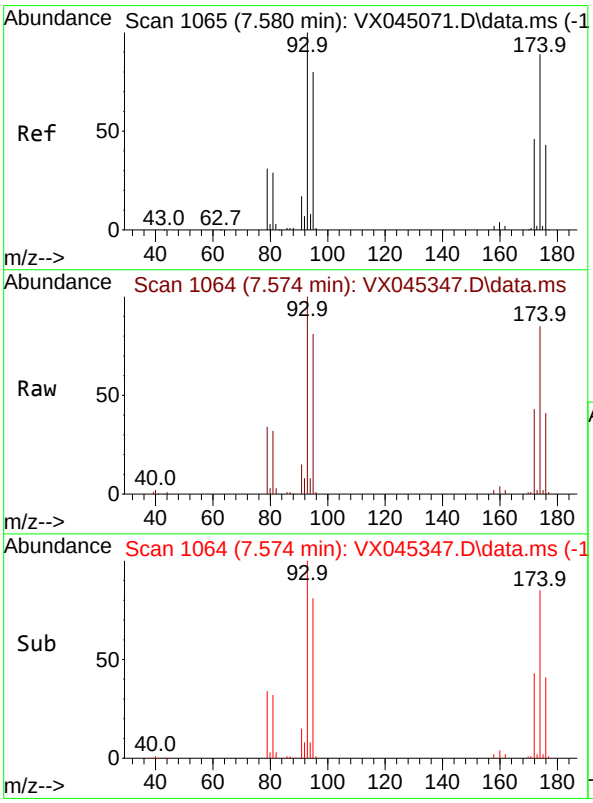
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

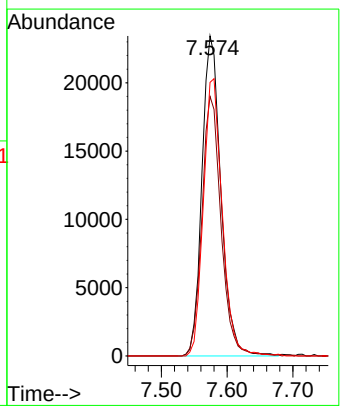
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

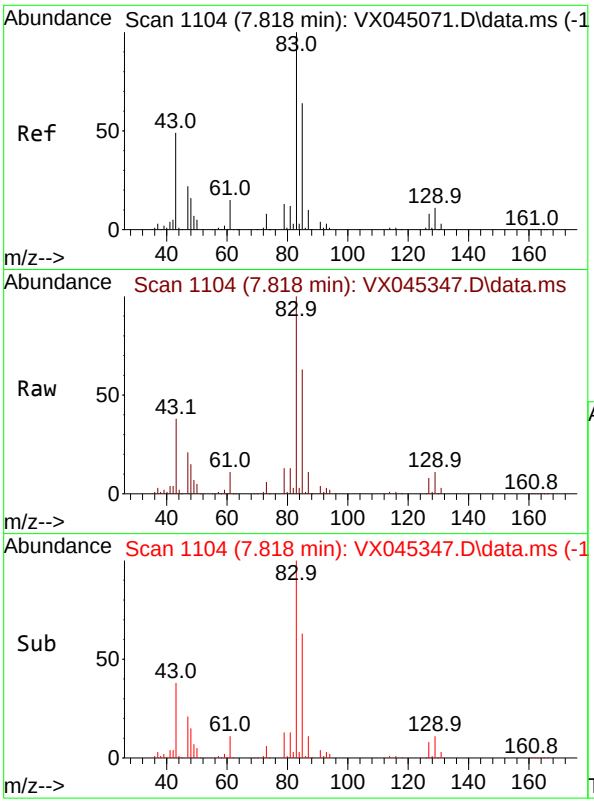


#46
Dibromomethane
Concen: 55.635 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 93 Resp: 47119

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.1	72.2	108.2

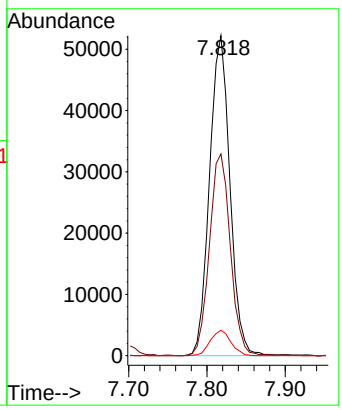




#47
Bromodichloromethane
Concen: 56.808 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

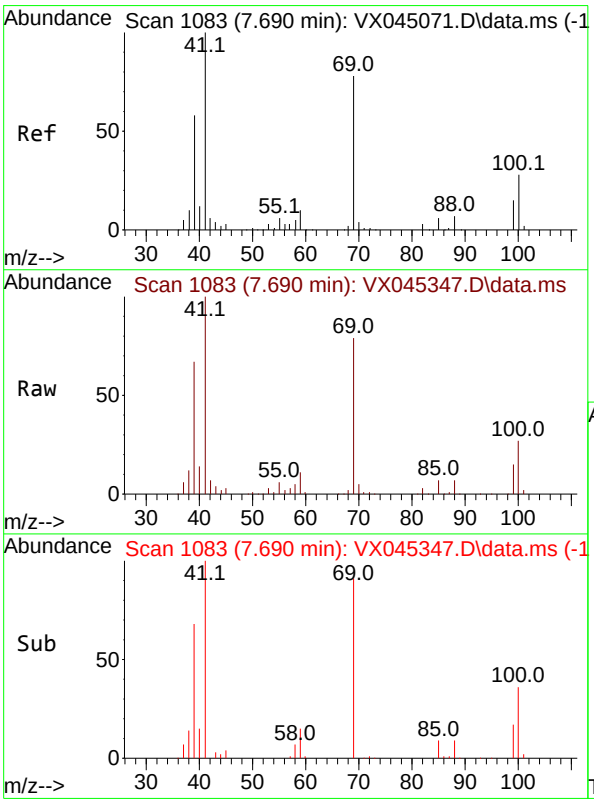
Tgt Ion: 83 Resp: 9437

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

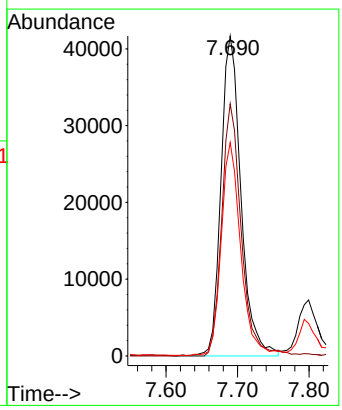
Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

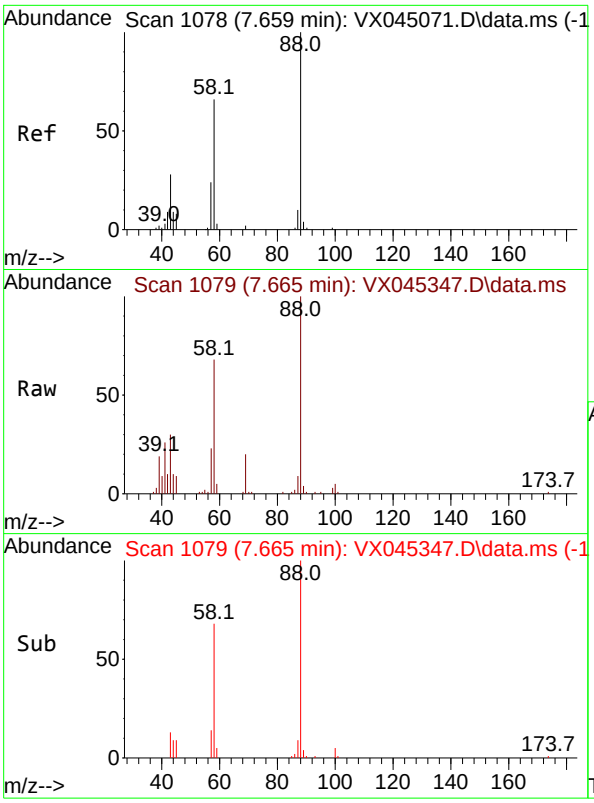


#48
Methyl methacrylate
Concen: 57.285 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 80819

Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.0	94.6
39	65.2	47.5	71.3

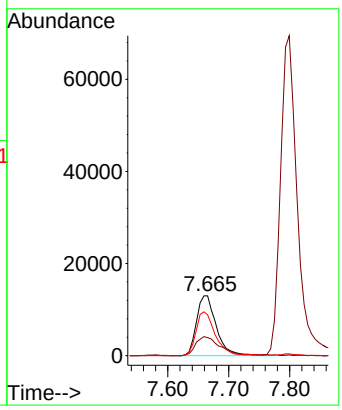




#49
1,4-Dioxane
Concen: 987.206 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 88 Resp: 2937

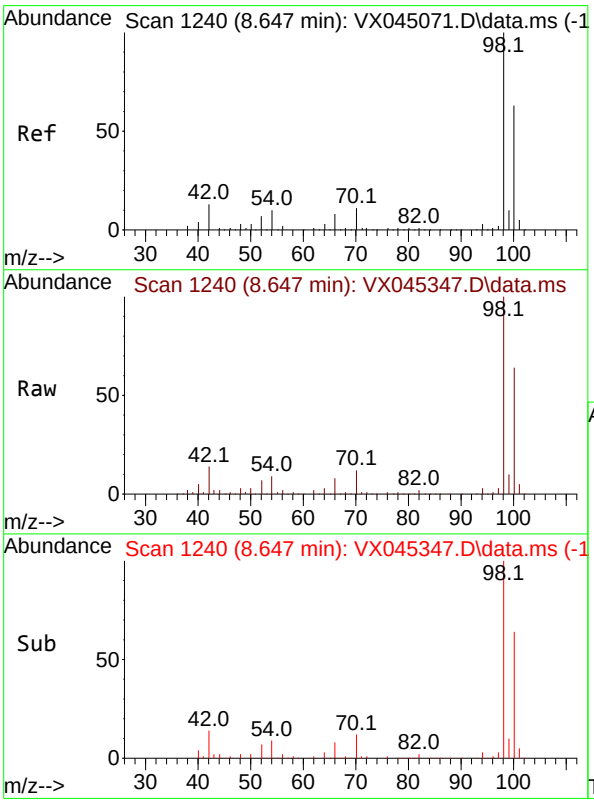
Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	72.0	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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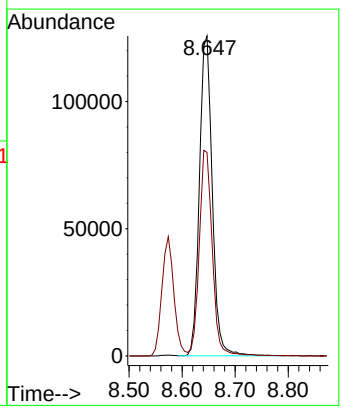
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

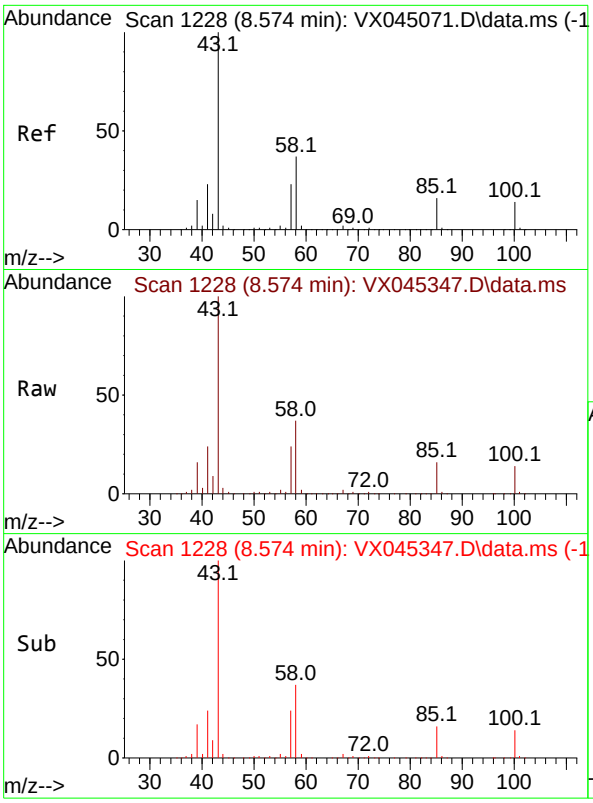


#50
Toluene-d8
Concen: 54.211 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 98 Resp: 211503

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

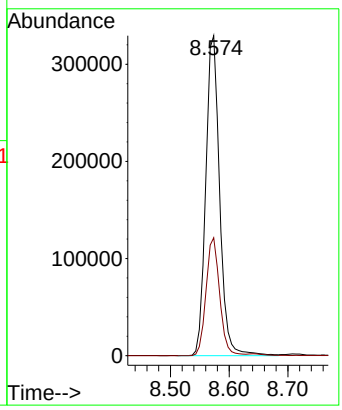




#51
4-Methyl-2-Pentanone
Concen: 286.370 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 54072

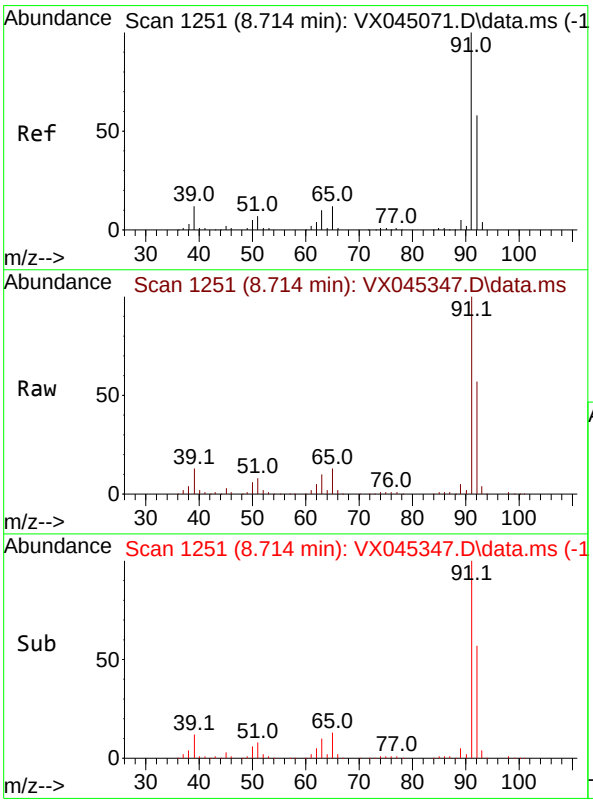
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

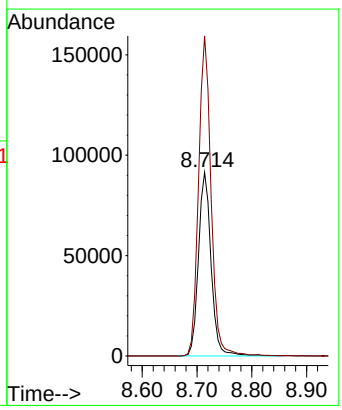
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

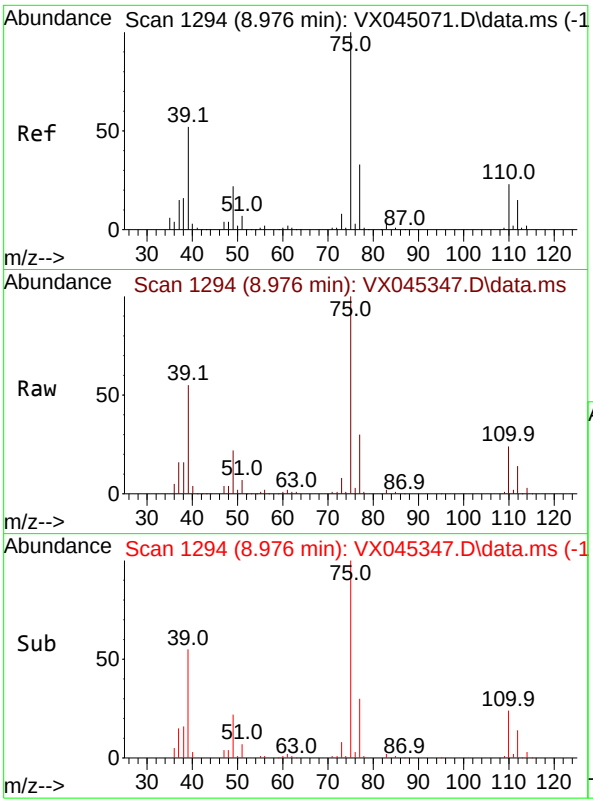


#52
Toluene
Concen: 53.547 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 92 Resp: 146417

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3

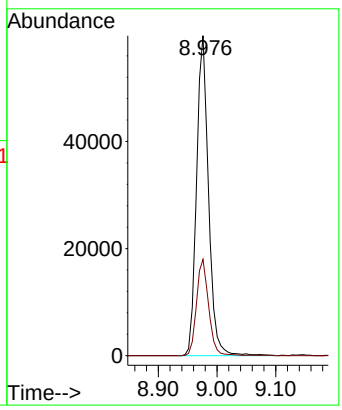




#53
t-1,3-Dichloropropene
Concen: 61.040 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 8477

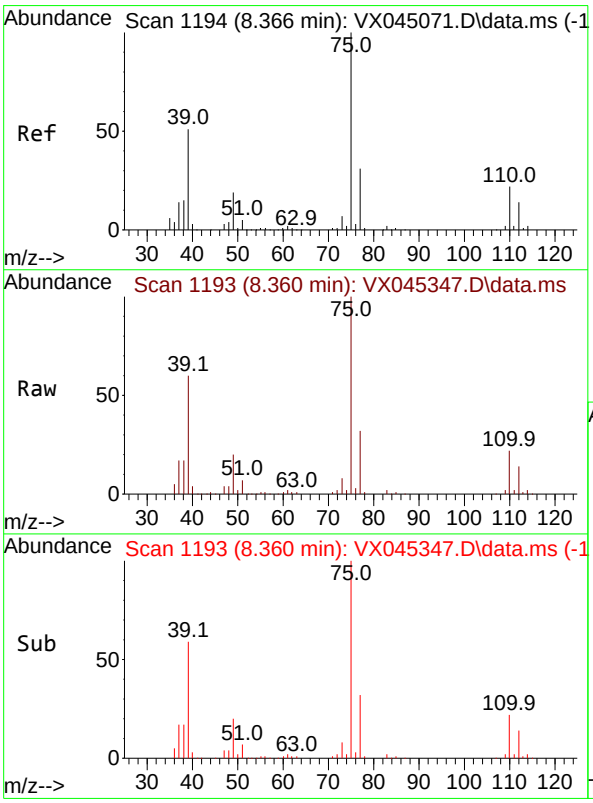
Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

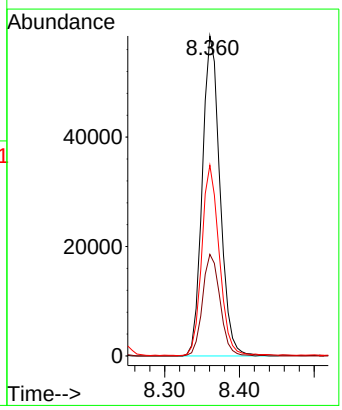
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

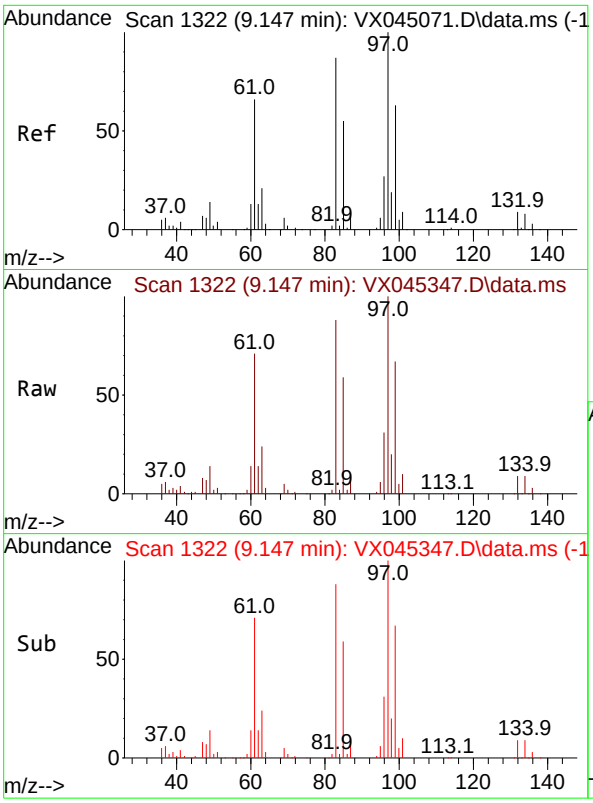


#54
cis-1,3-Dichloropropene
Concen: 59.407 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 96208

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	59.5	40.7	61.1

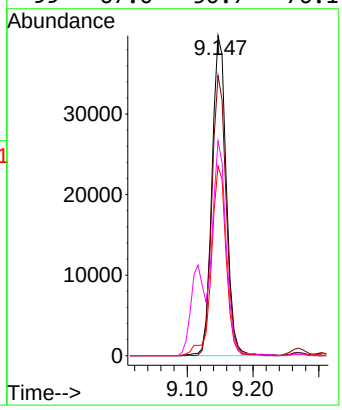




#55
1,1,2-Trichloroethane
Concen: 53.712 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 6046

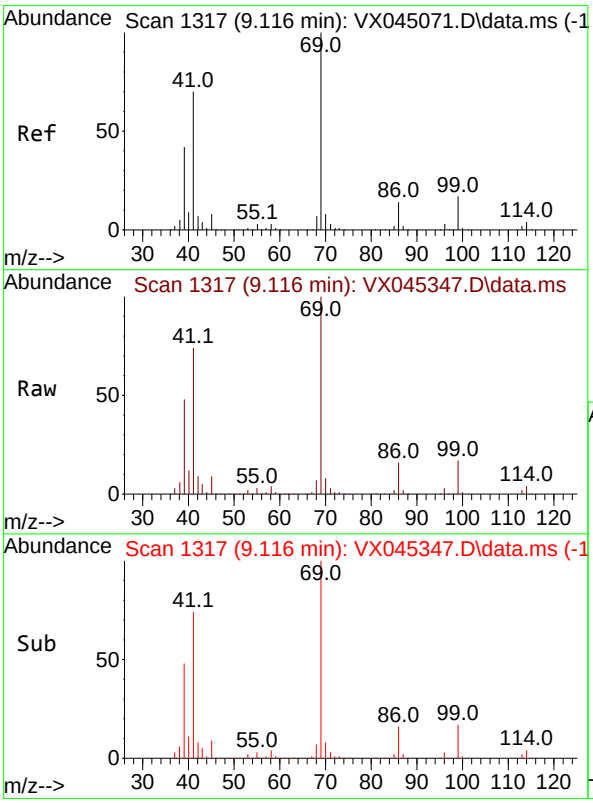
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	59.2	44.1	66.1
99	67.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

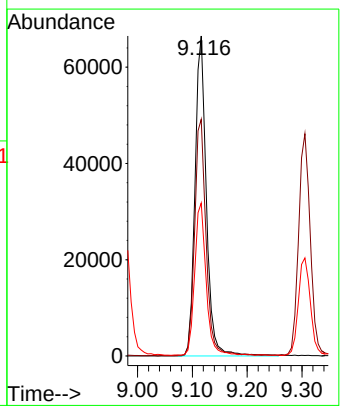
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

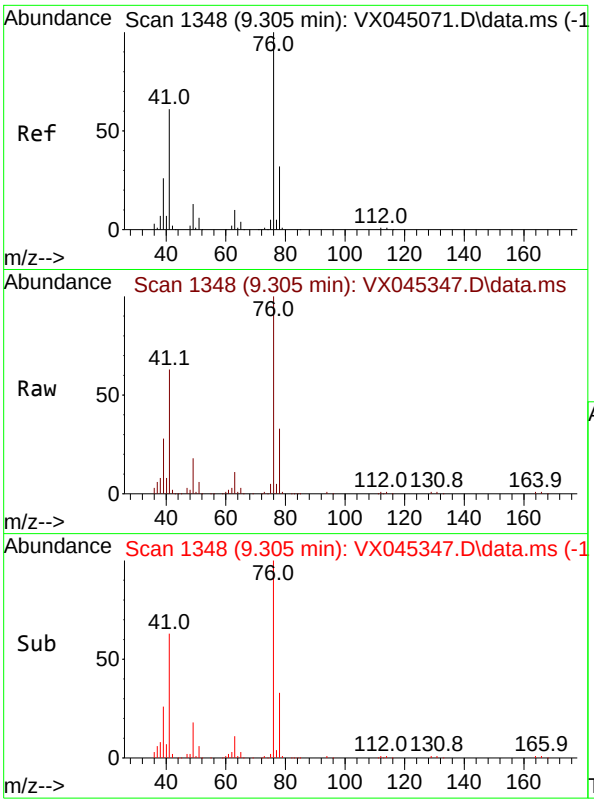


#56
Ethyl methacrylate
Concen: 56.313 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 69 Resp: 96357

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	48.2	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

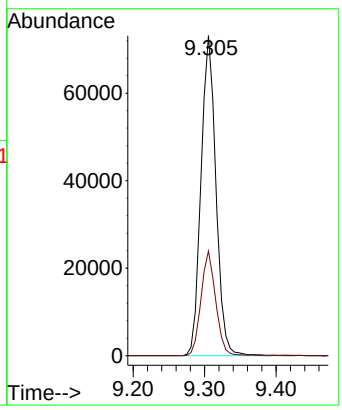
Tgt Ion: 76 Resp: 10614

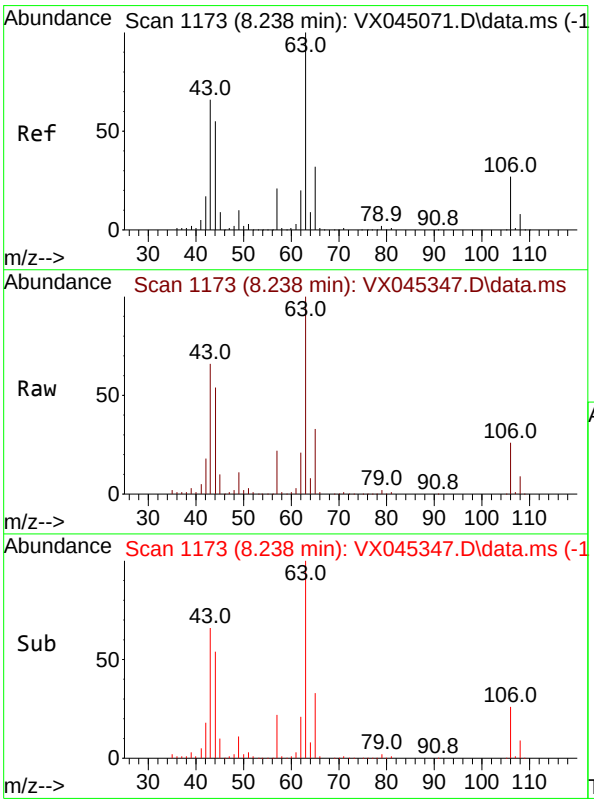
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

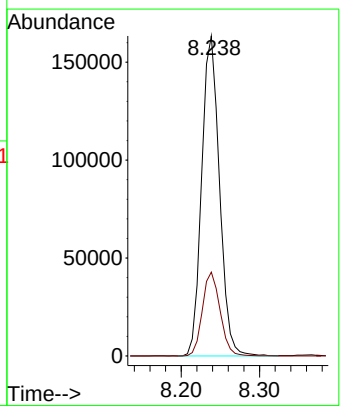


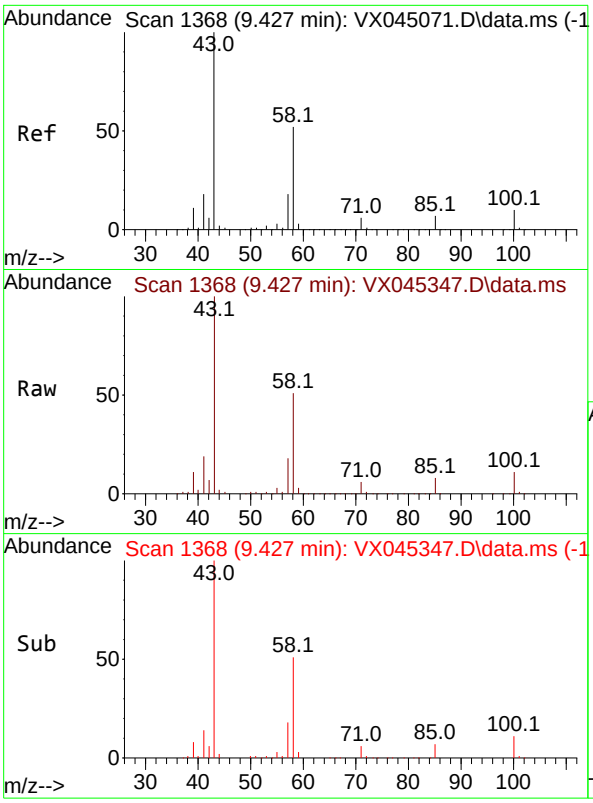


#58
2-Chloroethyl Vinyl ether
Concen: 309.131 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 258027

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3

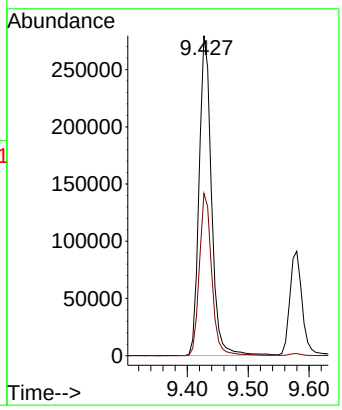




#59
2-Hexanone
Concen: 288.965 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 39532

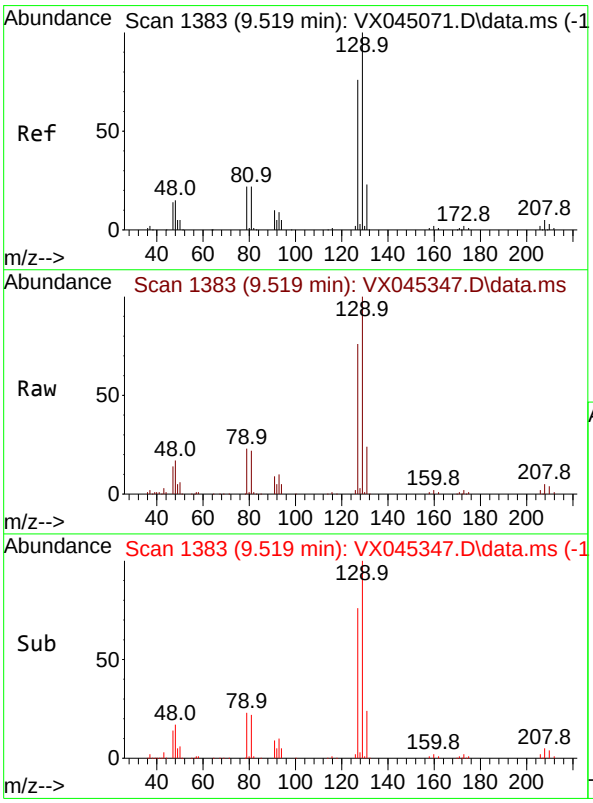
Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

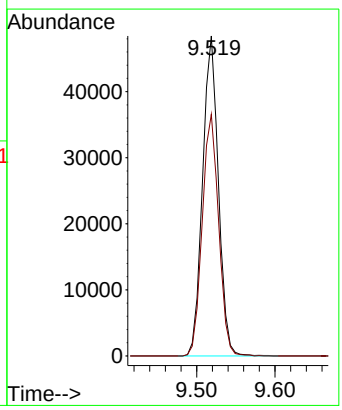
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

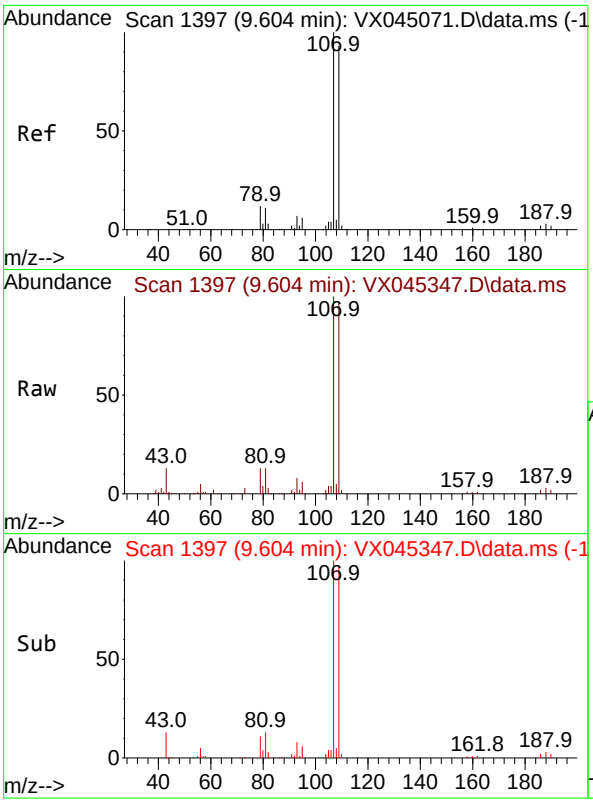


#60
Dibromochloromethane
Concen: 57.543 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:129 Resp: 67728

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5

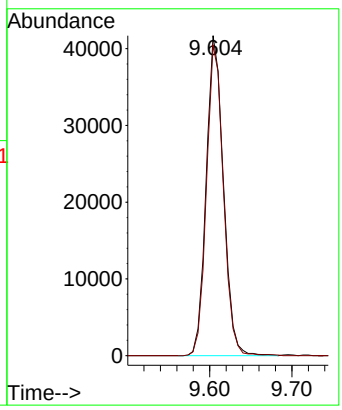




#61
1,2-Dibromoethane
Concen: 54.017 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:107 Resp: 6070

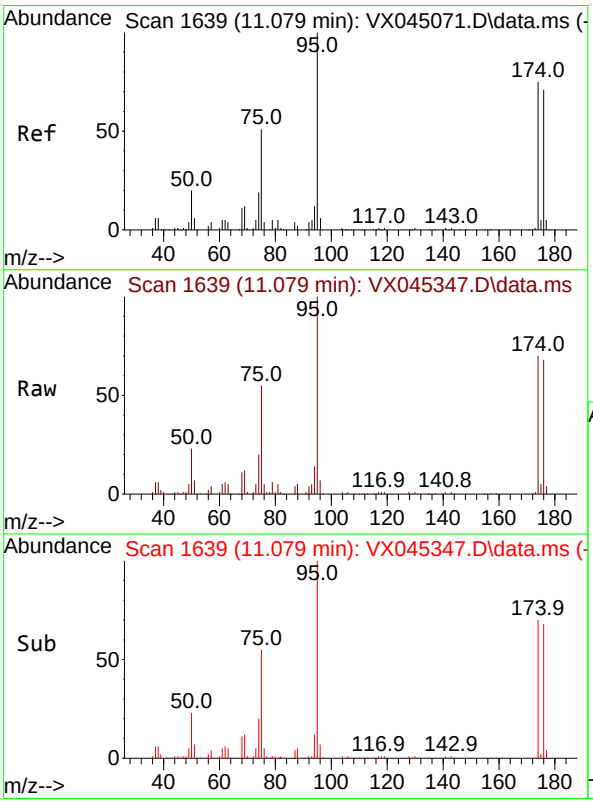
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

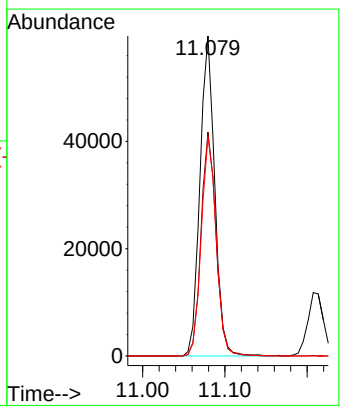
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

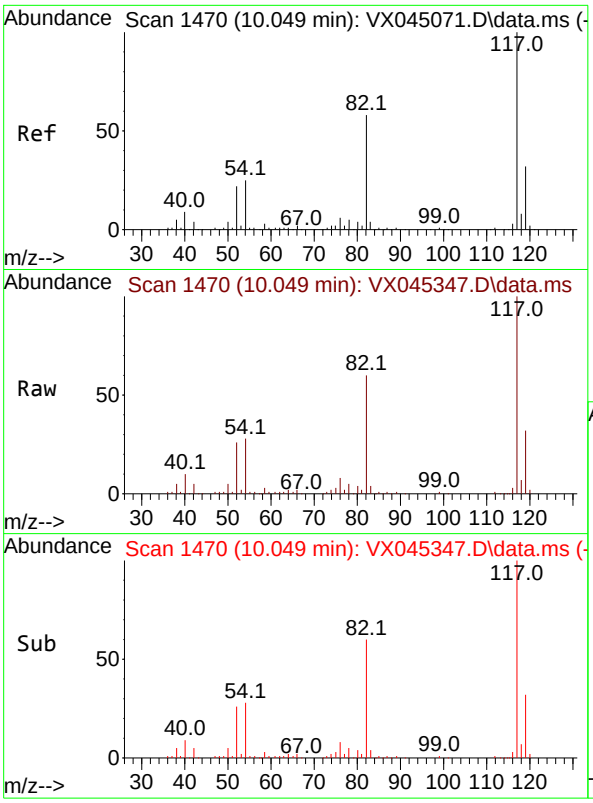


#62
4-Bromofluorobenzene
Concen: 57.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 95 Resp: 74611

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	69.0	0.0	141.4

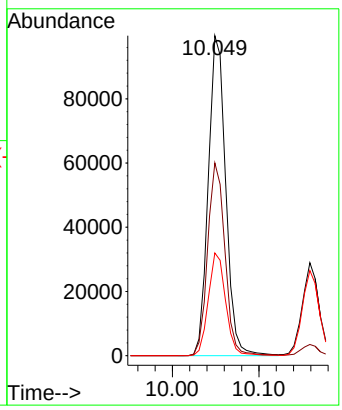




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 13944

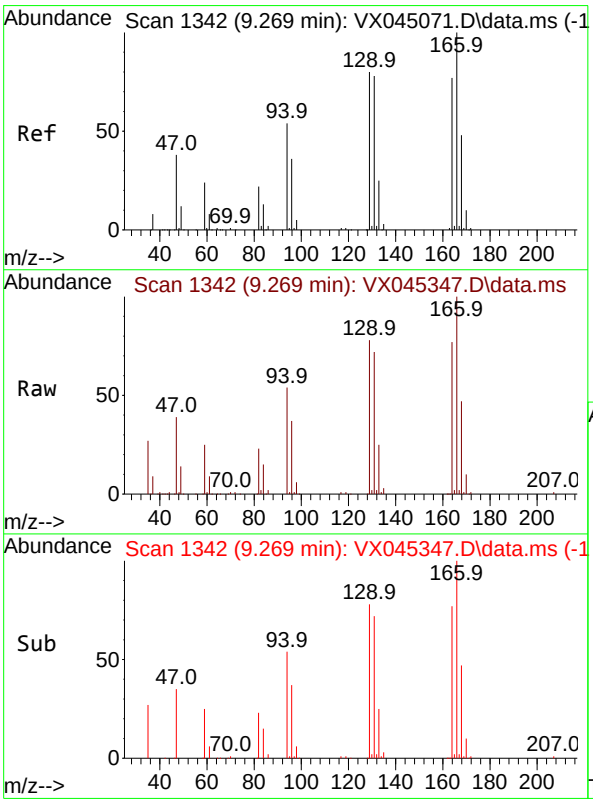
Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

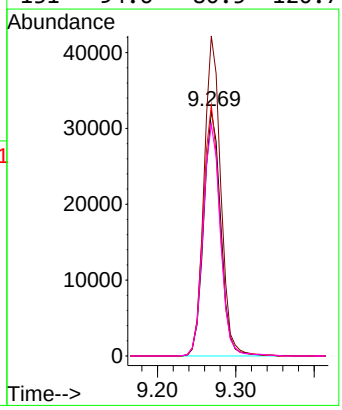
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

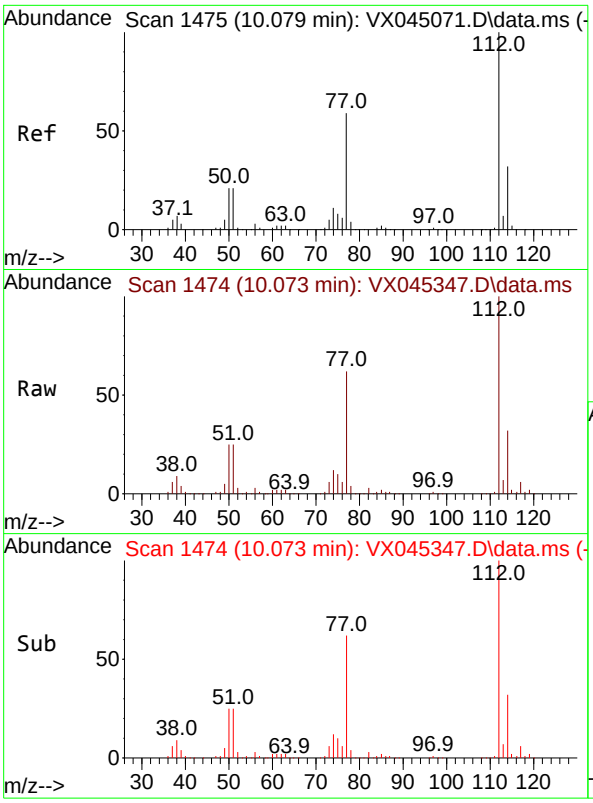


#64
Tetrachloroethene
Concen: 54.416 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:164 Resp: 48599

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.6	155.4
129	102.5	82.7	124.1
131	94.6	80.5	120.7

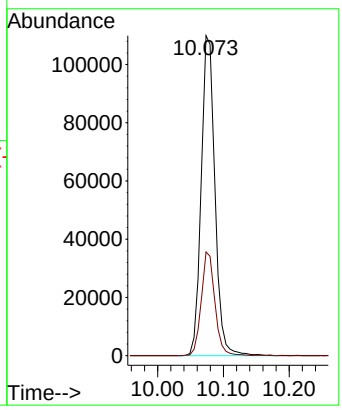




#65
Chlorobenzene
Concen: 54.144 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:112 Resp: 15975

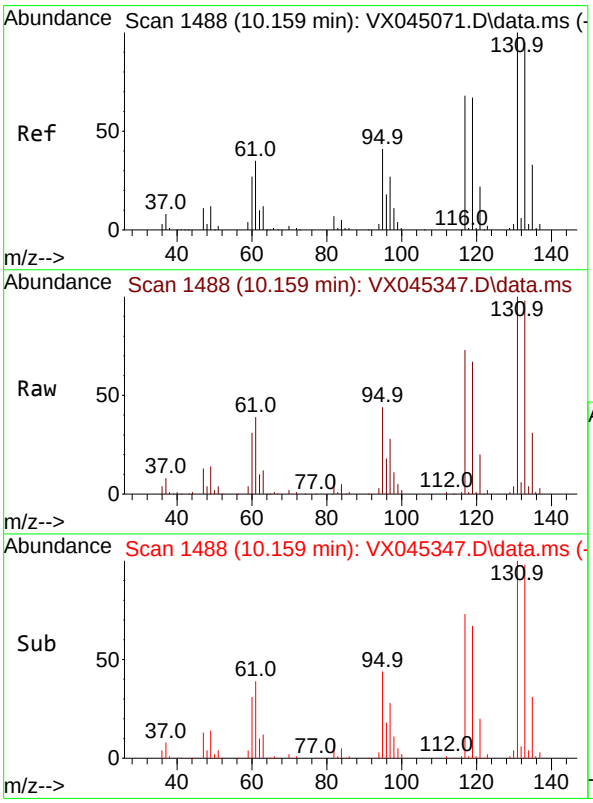
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

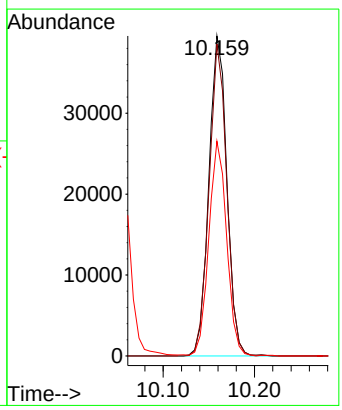
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

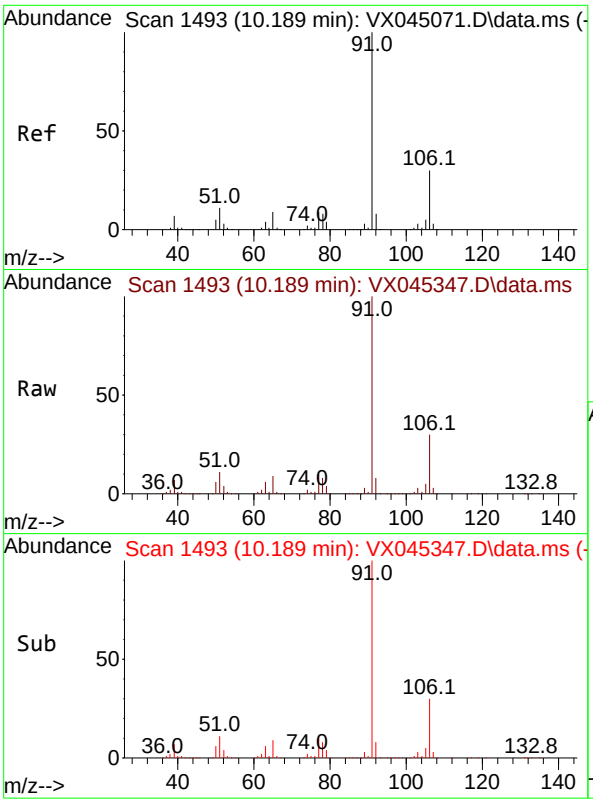


#66
1,1,1,2-Tetrachloroethane
Concen: 54.992 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:131 Resp: 54037

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	66.6	33.9	101.7

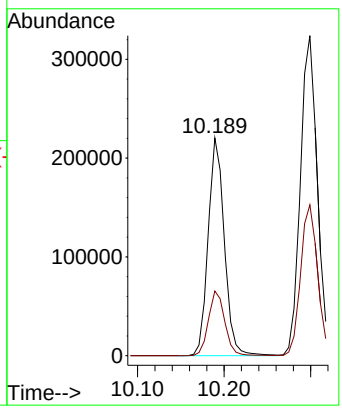




#67
Ethyl Benzene
Concen: 55.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 28636

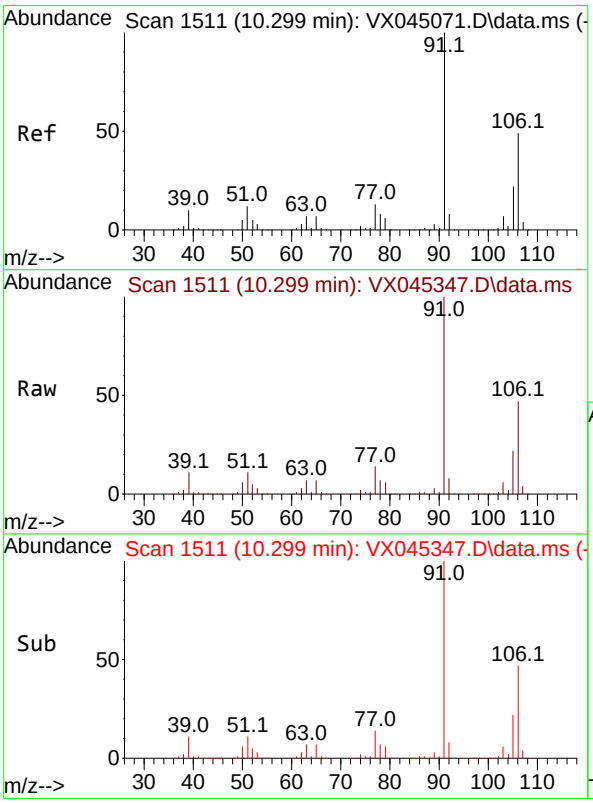
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

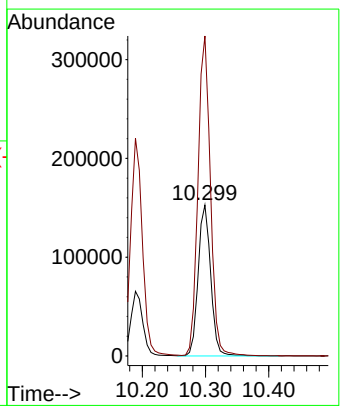
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

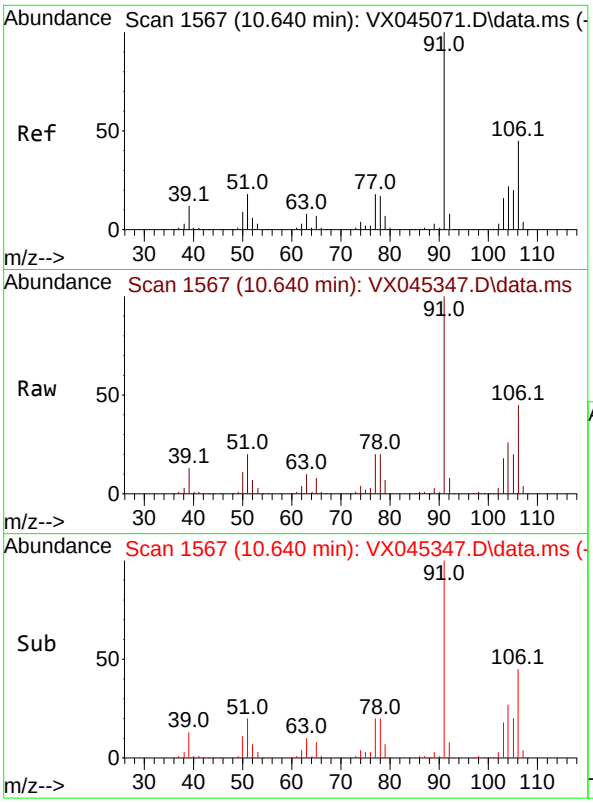


#68
m/p-Xylenes
Concen: 112.126 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:106 Resp: 211033

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.4	248.0

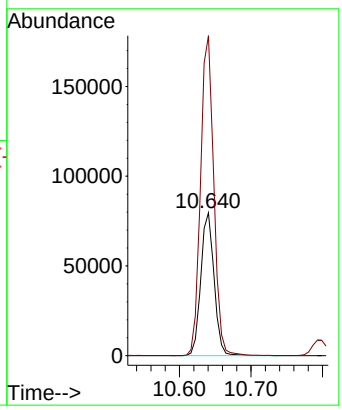




#69
o-Xylene
Concen: 54.073 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:106 Resp: 10264

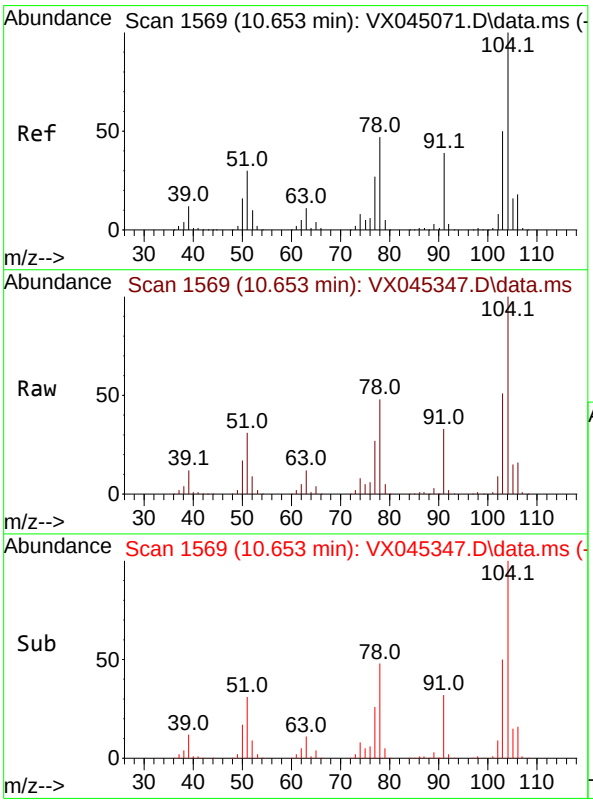
Ion	Ratio	Lower	Upper
106	100		
91	224.0	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

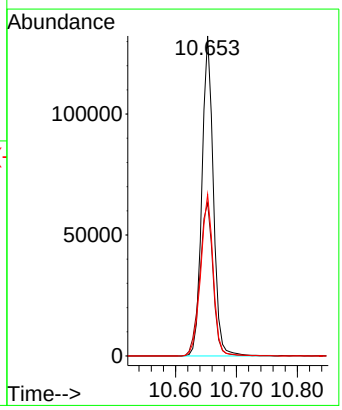
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

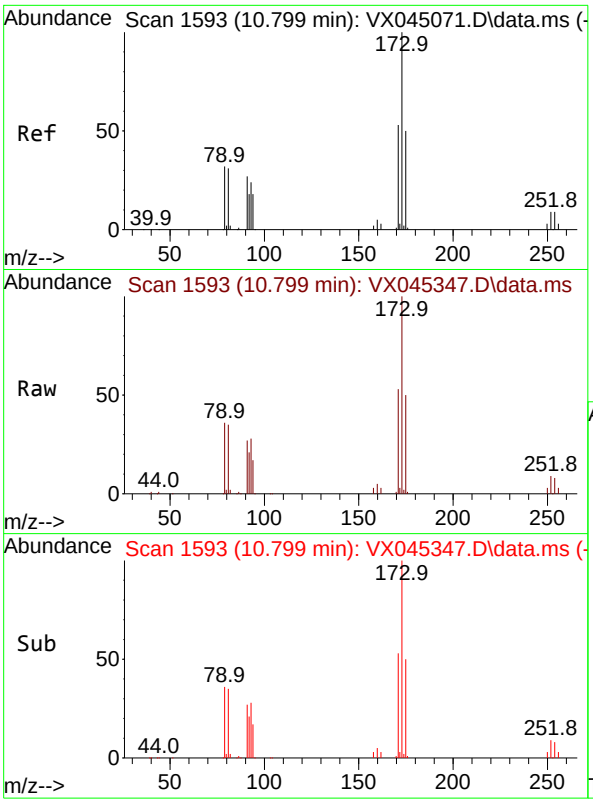


#70
Styrene
Concen: 56.462 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:104 Resp: 173421

Ion	Ratio	Lower	Upper
104	100		
78	55.3	42.2	63.4
103	55.3	43.8	65.8

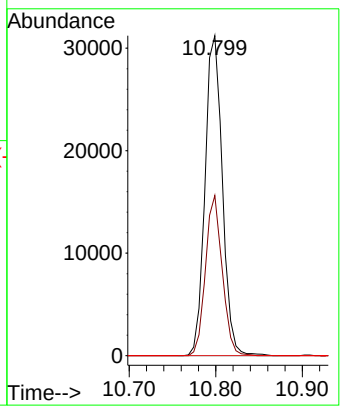




#71
Bromoform
Concen: 58.610 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:173 Resp: 4342

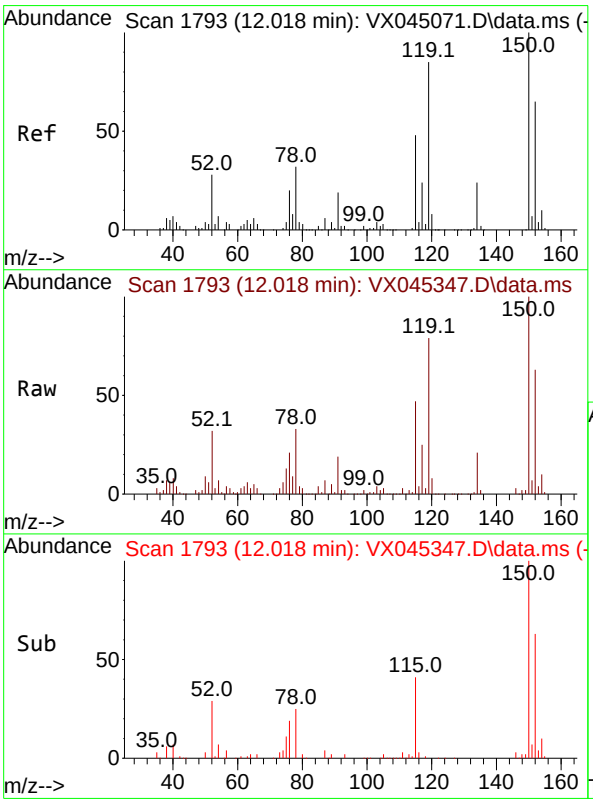
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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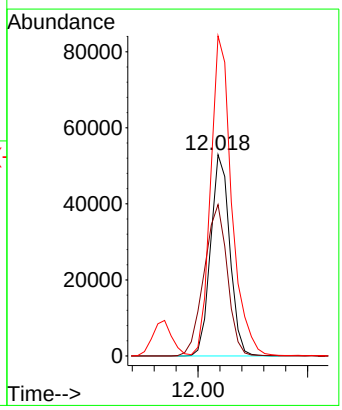
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

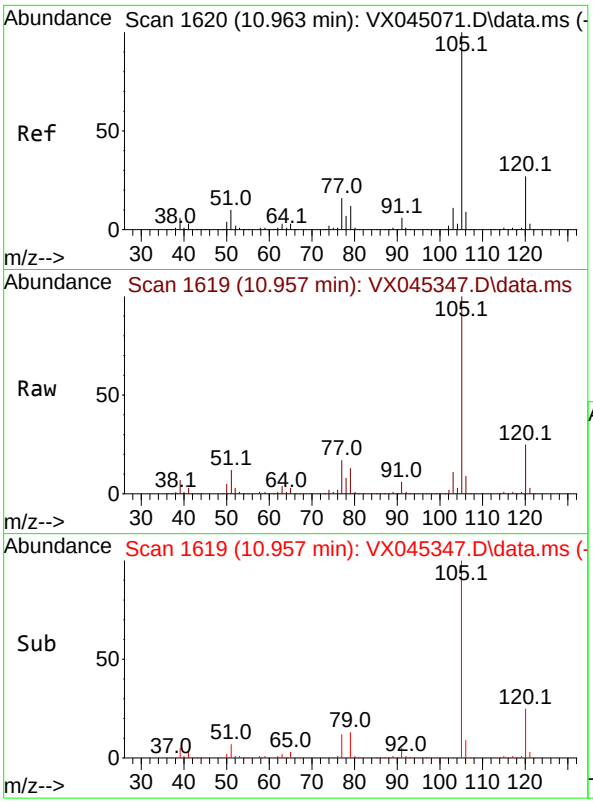


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:152 Resp: 64140

Ion	Ratio	Lower	Upper
152	100		
115	91.4	44.2	132.6
150	174.8	0.0	349.0

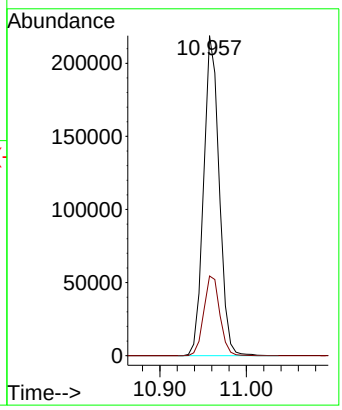




#73
Isopropylbenzene
Concen: 54.526 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 27297

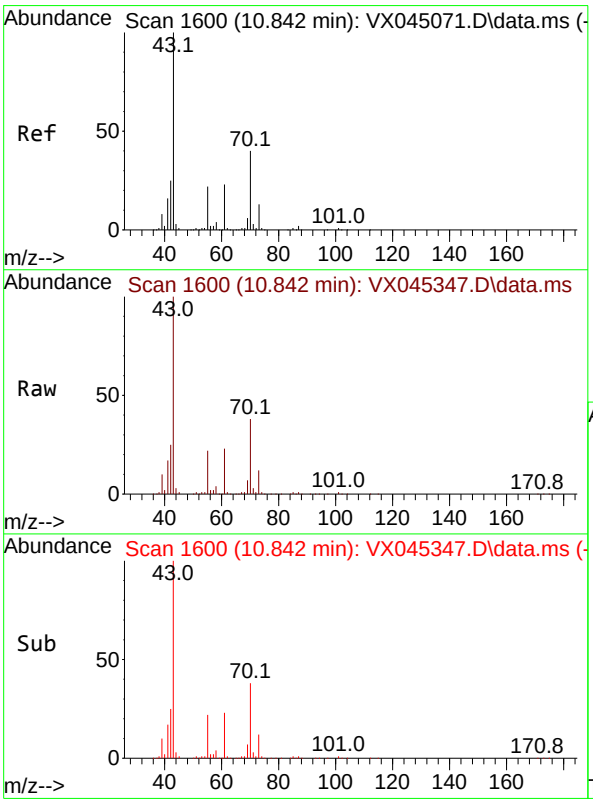
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

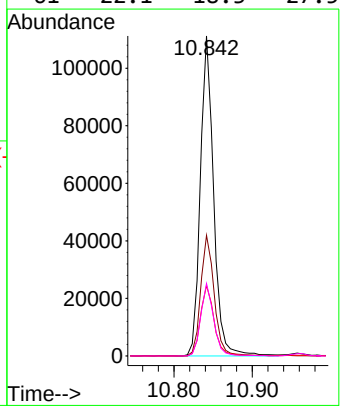
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

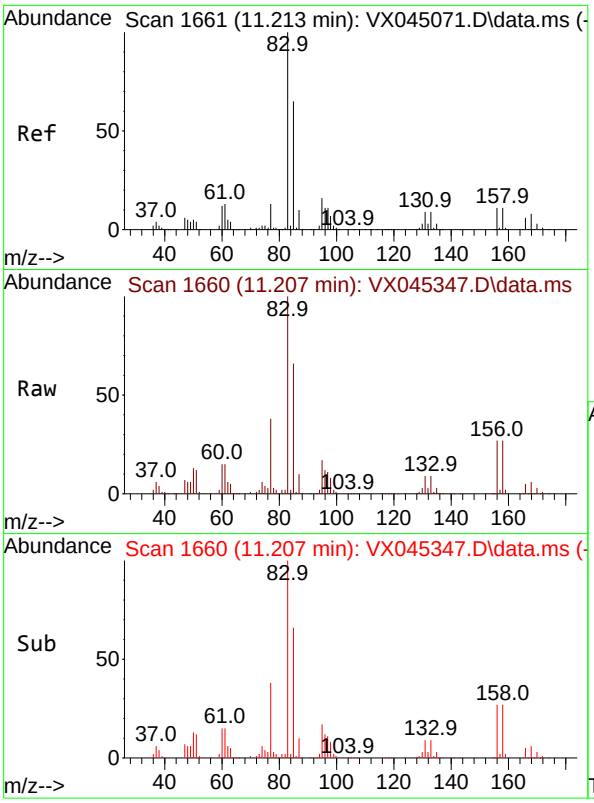


#74
N-amyl acetate
Concen: 55.907 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 131333

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	22.7	18.3	27.5
61	22.1	18.3	27.5

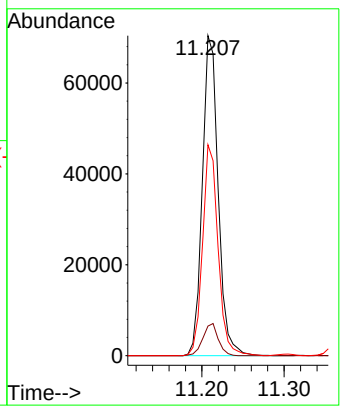




#75
1,1,2,2-Tetrachloroethane
Concen: 51.164 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 9399

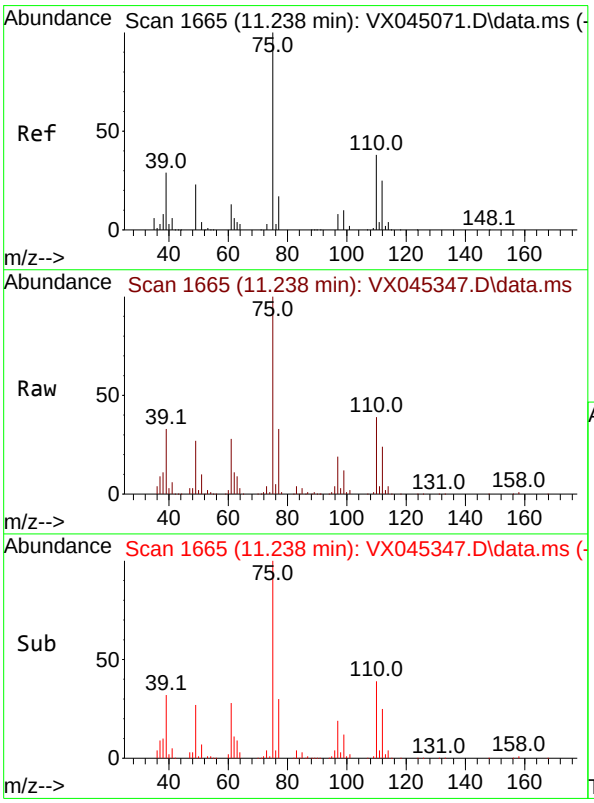
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

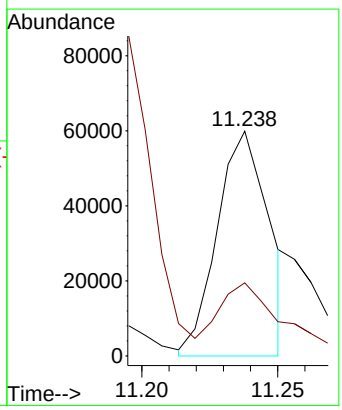
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

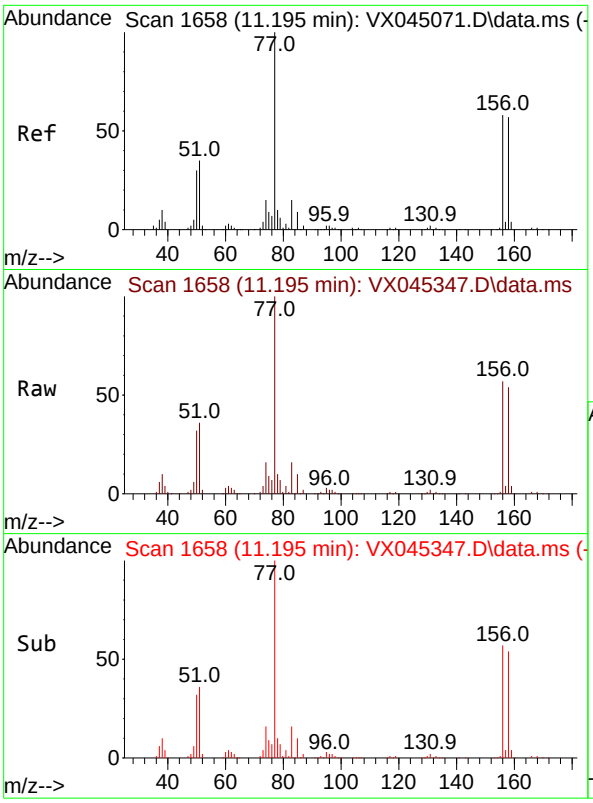


#76
1,2,3-Trichloropropane
Concen: 52.802 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 78826

Ion	Ratio	Lower	Upper
75	100		
77	40.9	20.7	62.1

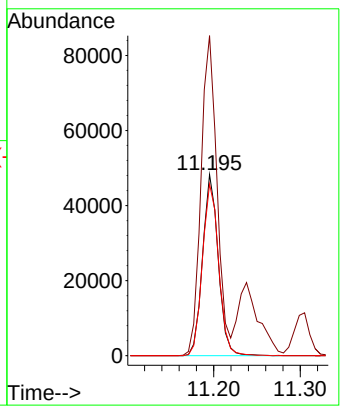




#77
Bromobenzene
Concen: 51.283 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:156 Resp: 6057

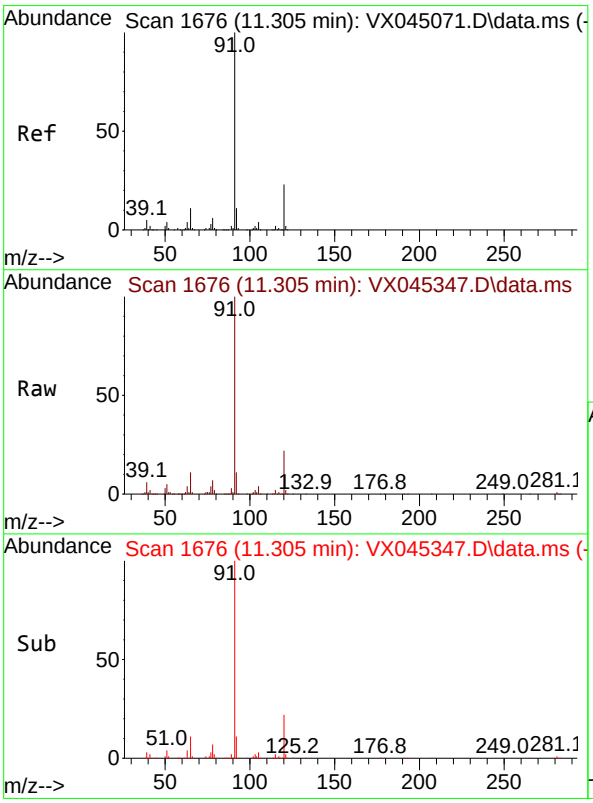
Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	98.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

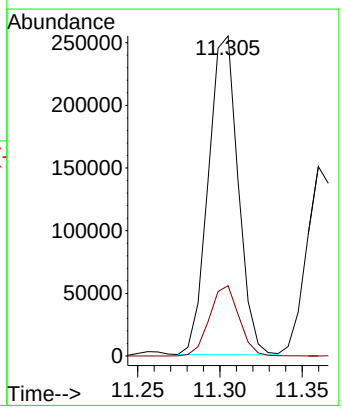
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

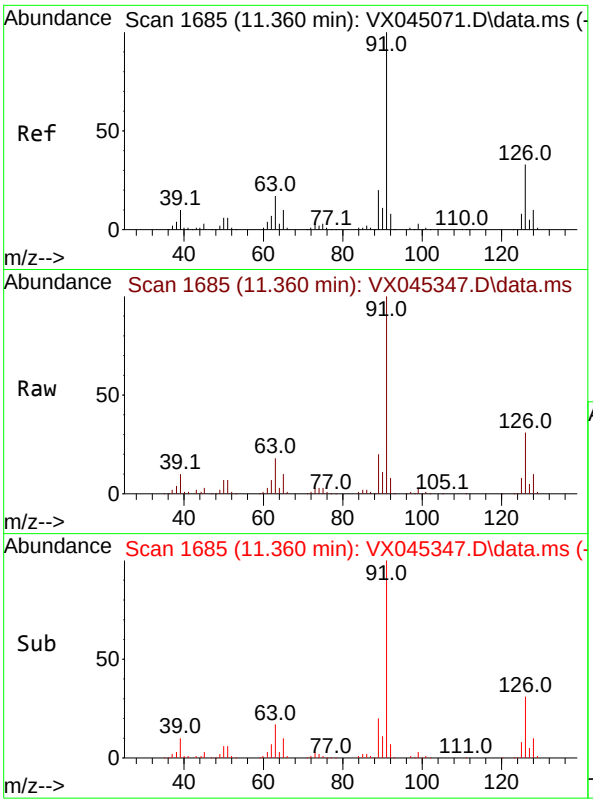


#78
n-propylbenzene
Concen: 56.710 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 320714

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 53.424 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

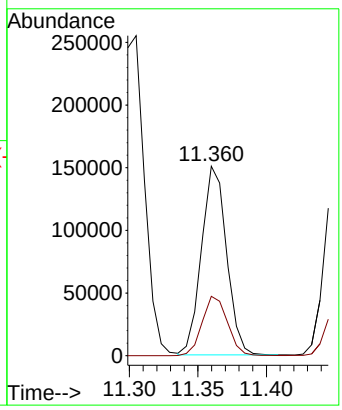
Tgt Ion: 91 Resp: 19241

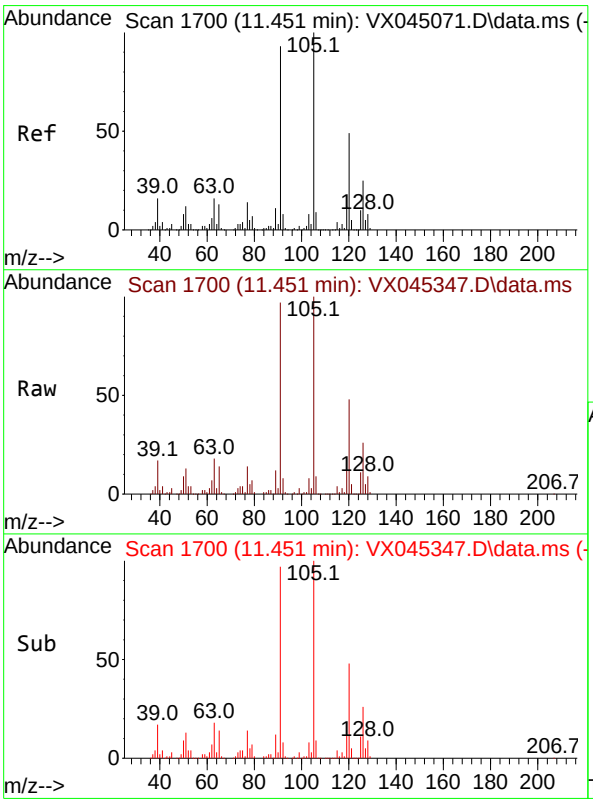
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

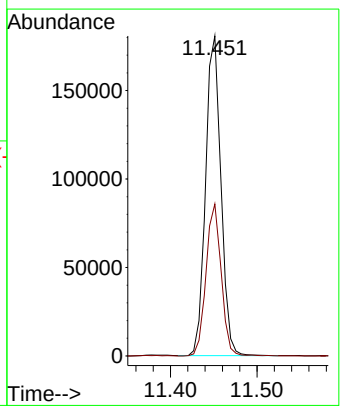


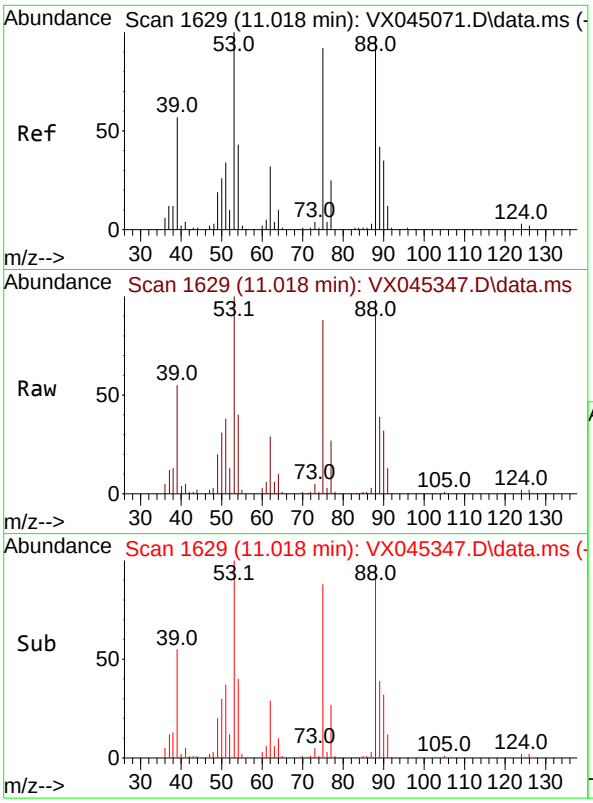


#80
1,3,5-Trimethylbenzene
Concen: 55.029 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 222755

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

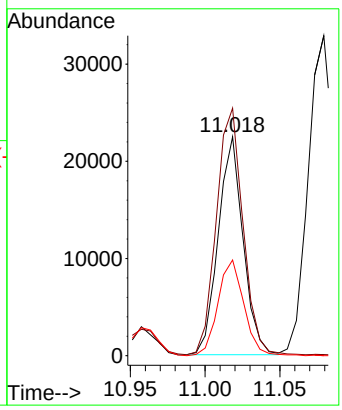




#81
trans-1,4-Dichloro-2-butene
Concen: 59.413 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 2591

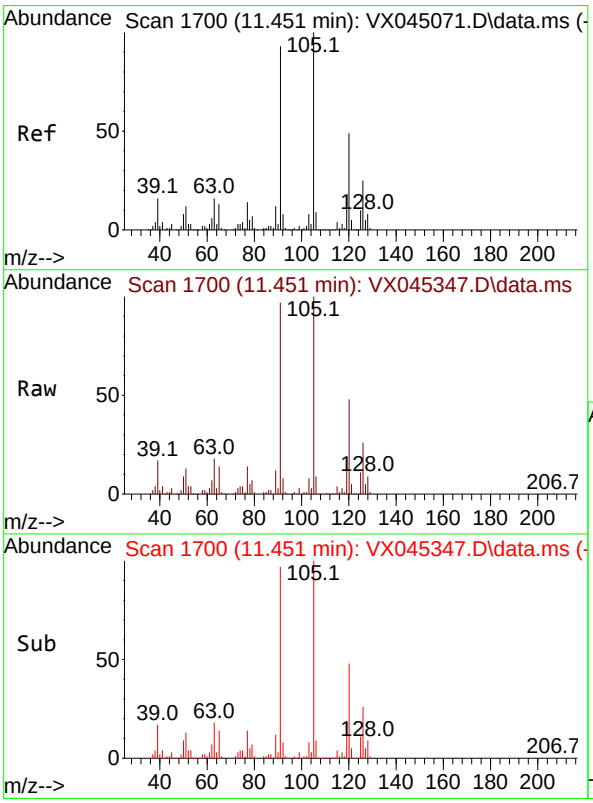
Ion	Ratio	Lower	Upper
75	100		
53	122.1	88.5	132.7
89	45.9	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

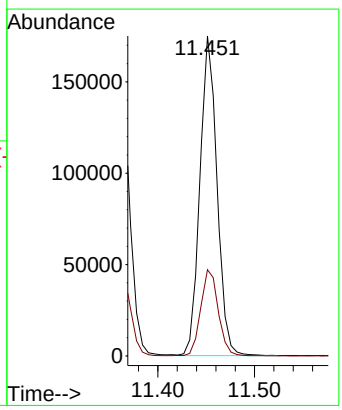
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

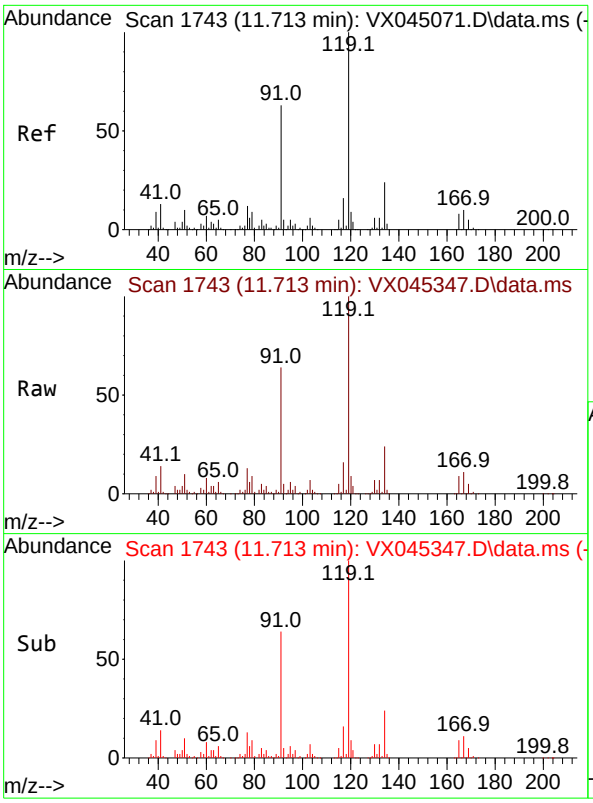


#82
4-Chlorotoluene
Concen: 54.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 215413

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

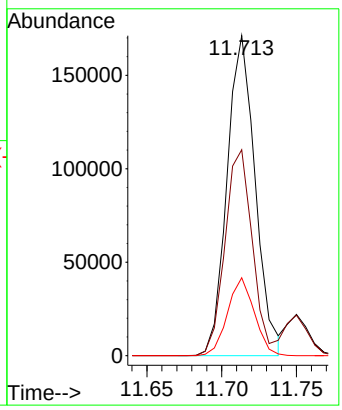




#83
tert-Butylbenzene
Concen: 53.959 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 22442

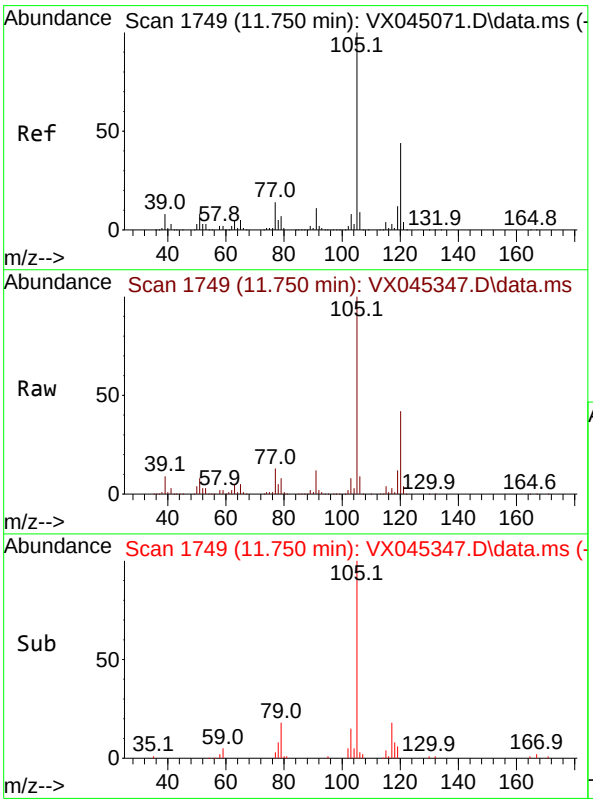
Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	23.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

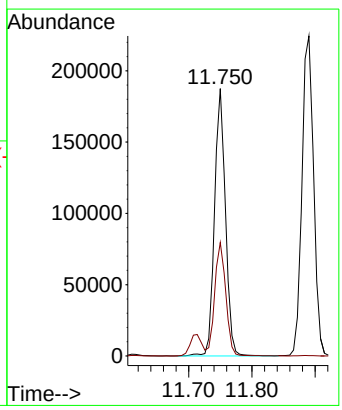
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

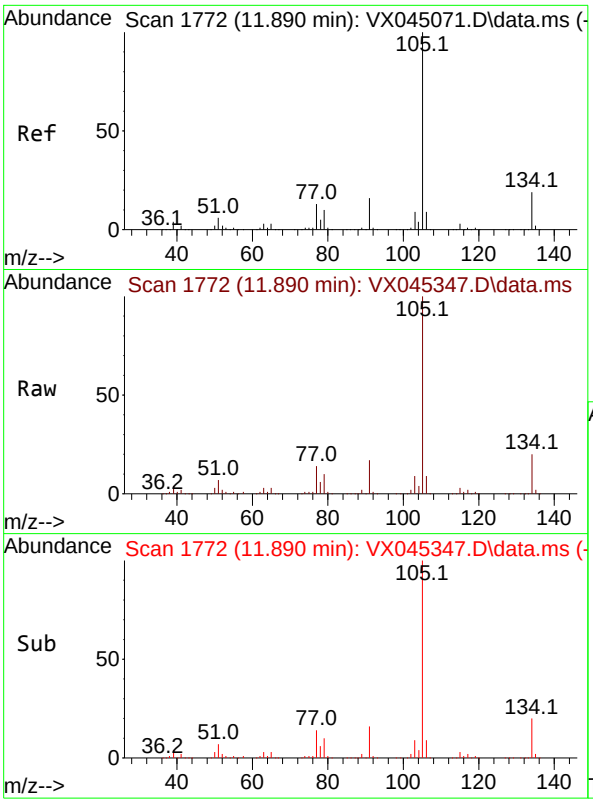


#84
1,2,4-Trimethylbenzene
Concen: 55.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 224842

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1

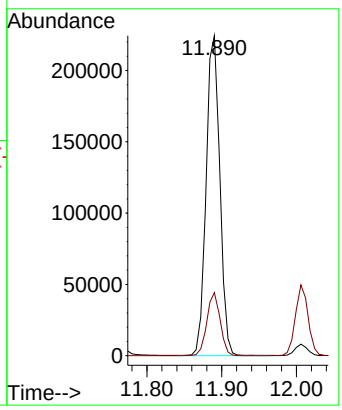




#85
sec-Butylbenzene
Concen: 57.320 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 28557

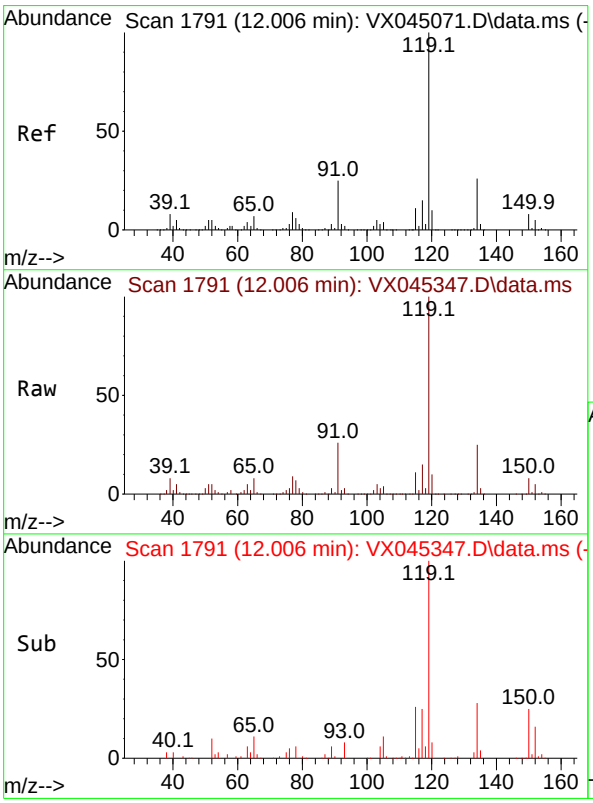
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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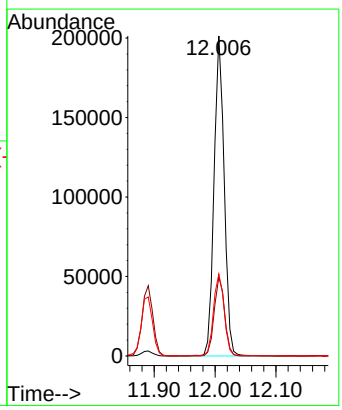
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

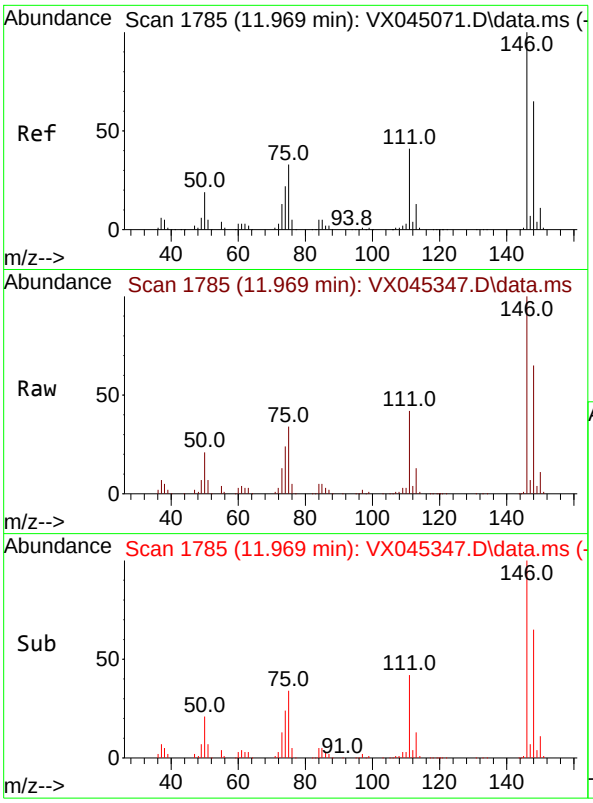


#86
p-Isopropyltoluene
Concen: 57.707 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 232345

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.7	12.7	38.0

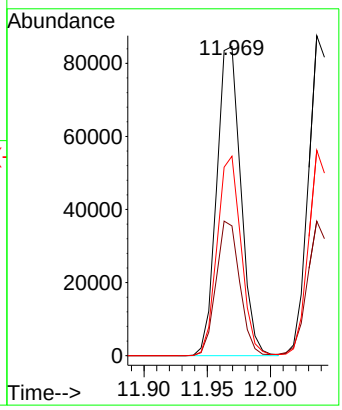




#87
1,3-Dichlorobenzene
Concen: 53.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 11204

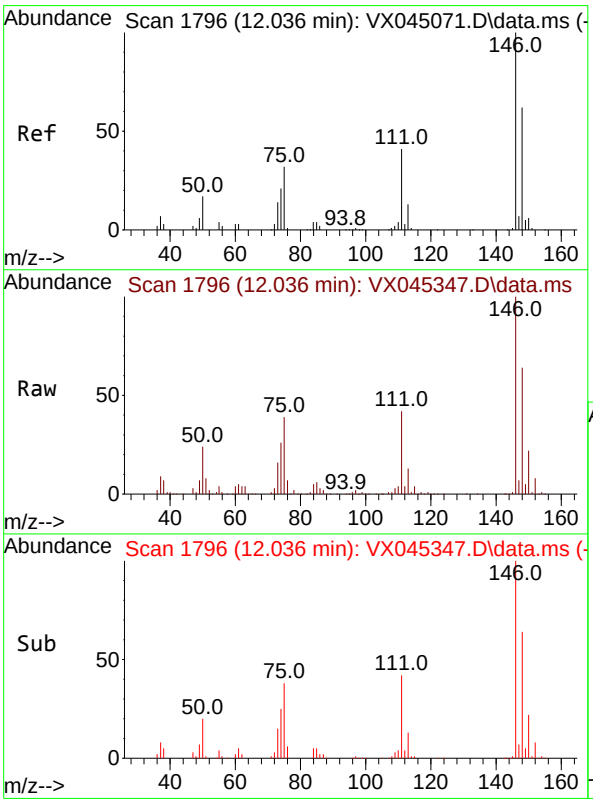
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

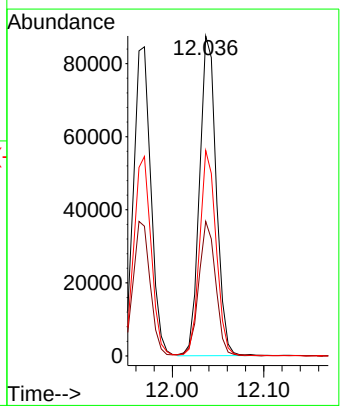
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

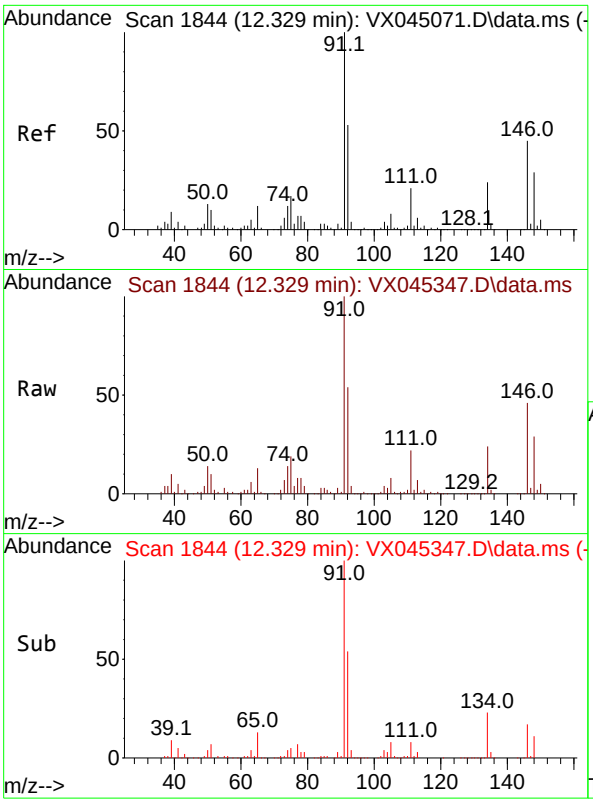


#88
1,4-Dichlorobenzene
Concen: 51.865 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 110569

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.5
148	63.6	31.9	95.9

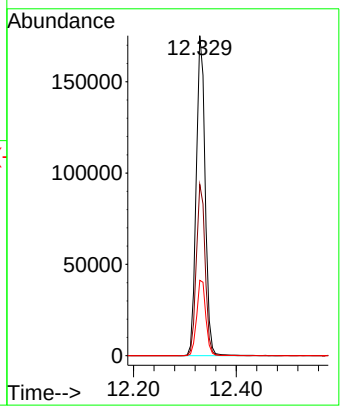




#89
n-Butylbenzene
Concen: 61.041 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 21167

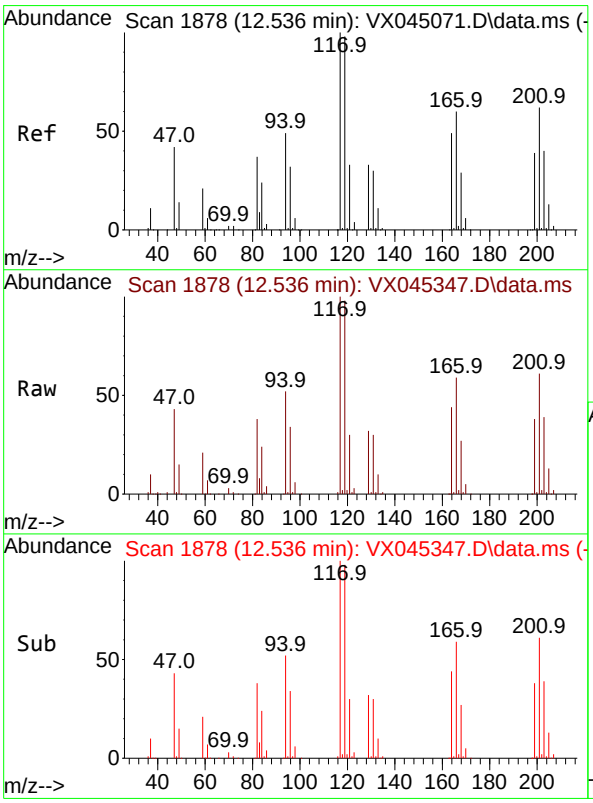
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

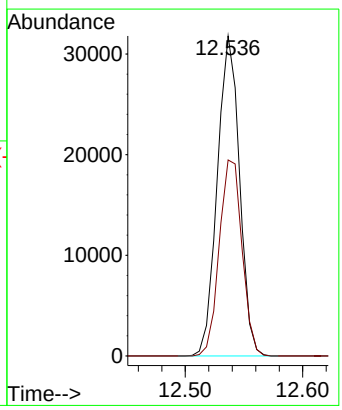
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

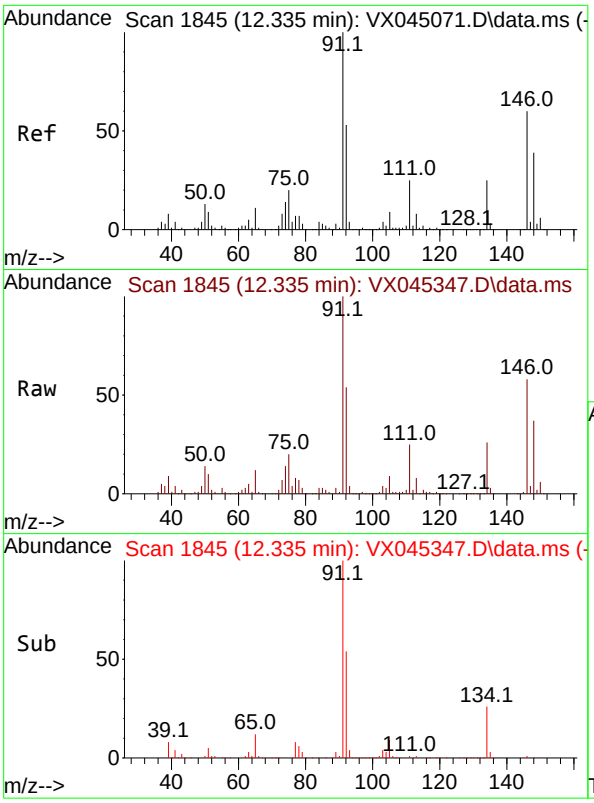


#90
Hexachloroethane
Concen: 57.380 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 41788

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9

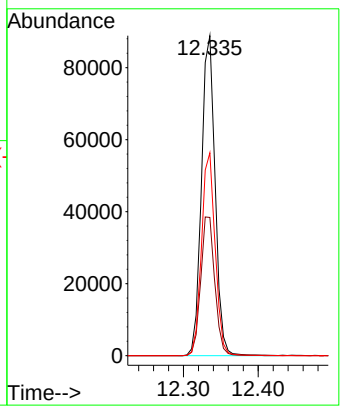




#91
1,2-Dichlorobenzene
Concen: 53.282 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 11262

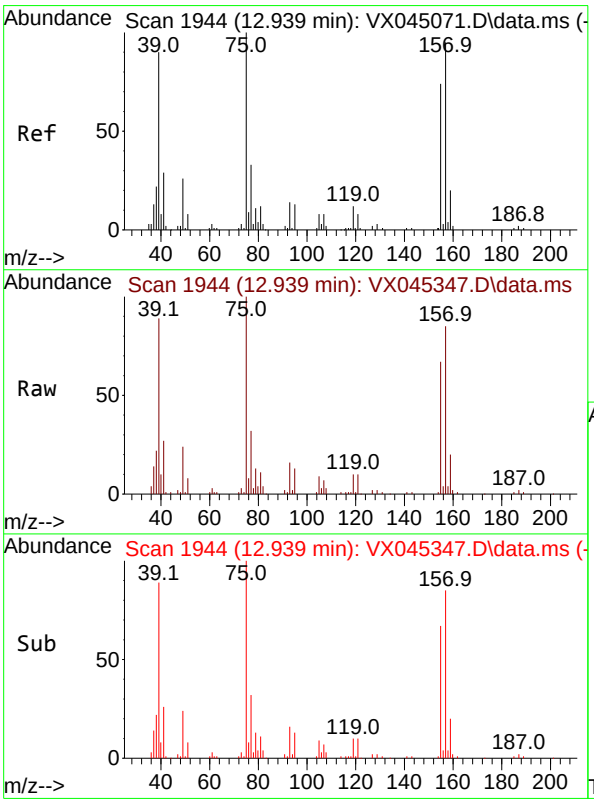
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

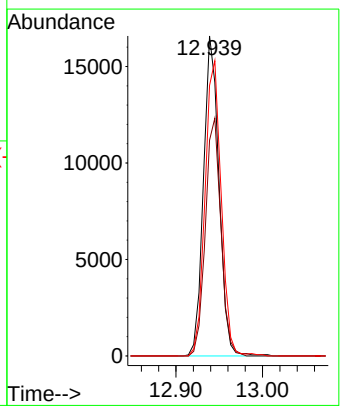
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

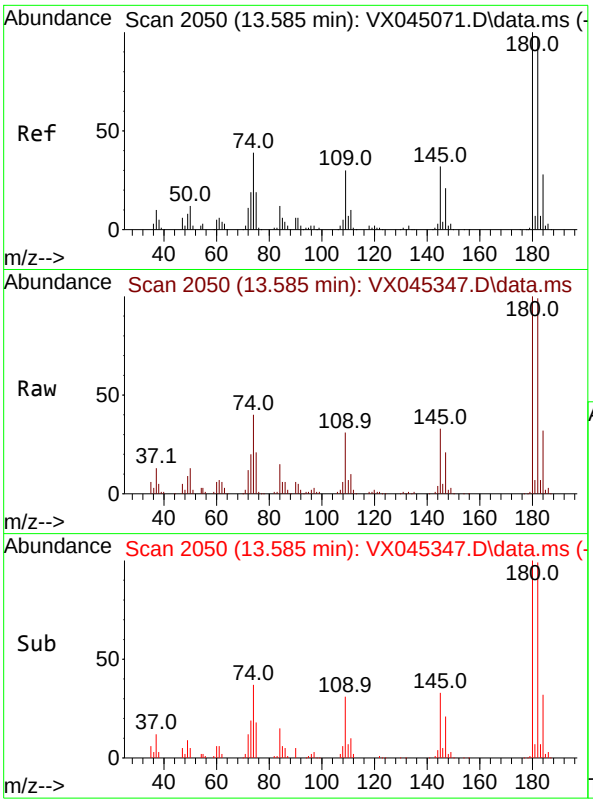


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.585 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.6	118.7
157	96.4	51.1	153.4

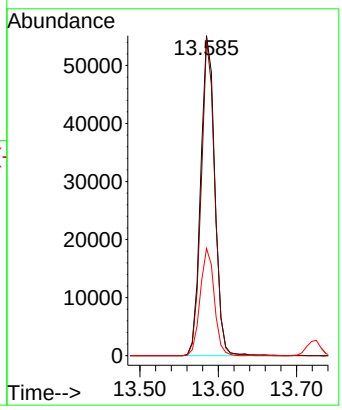




#93
1,2,4-Trichlorobenzene
Concen: 57.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 6874

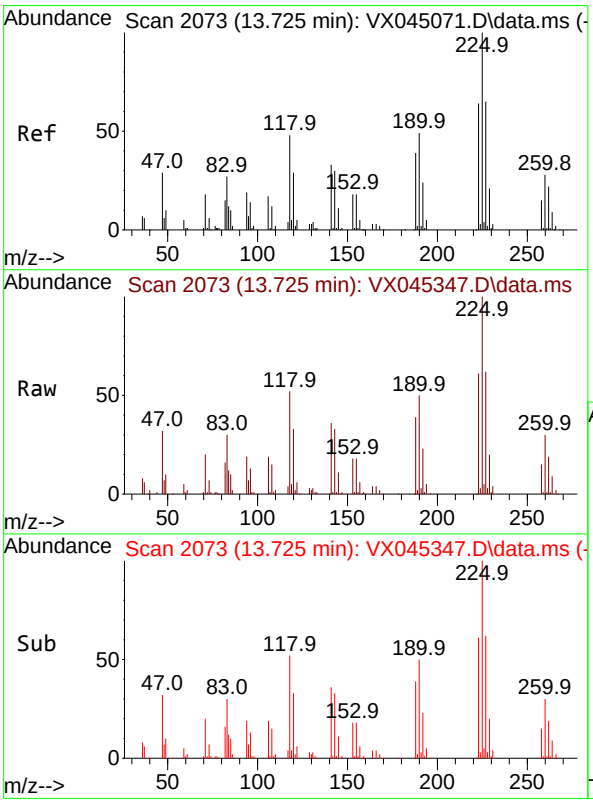
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.4	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

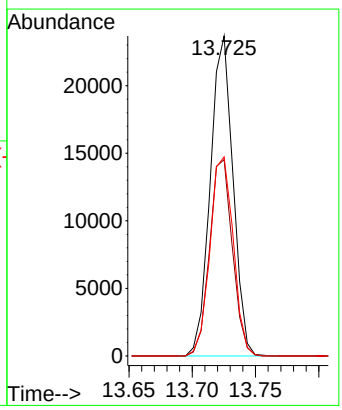
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

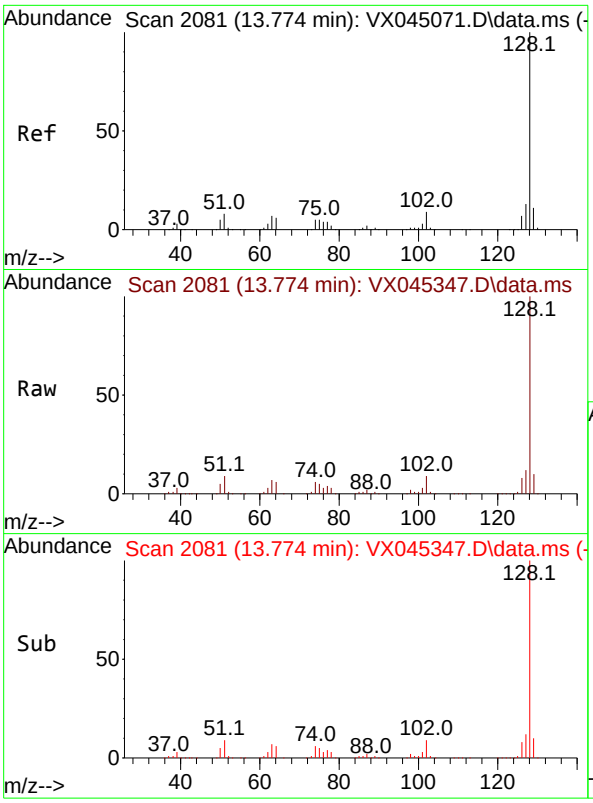


#94
Hexachlorobutadiene
Concen: 59.832 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:225 Resp: 29525

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	63.8	31.4	94.0

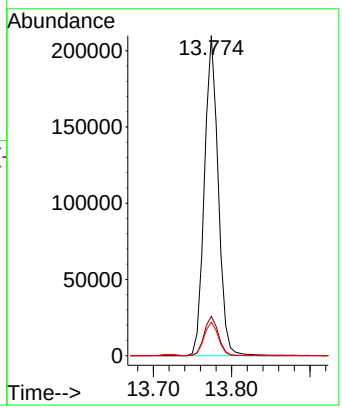




#95
Naphthalene
Concen: 55.368 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:128 Resp: 25604

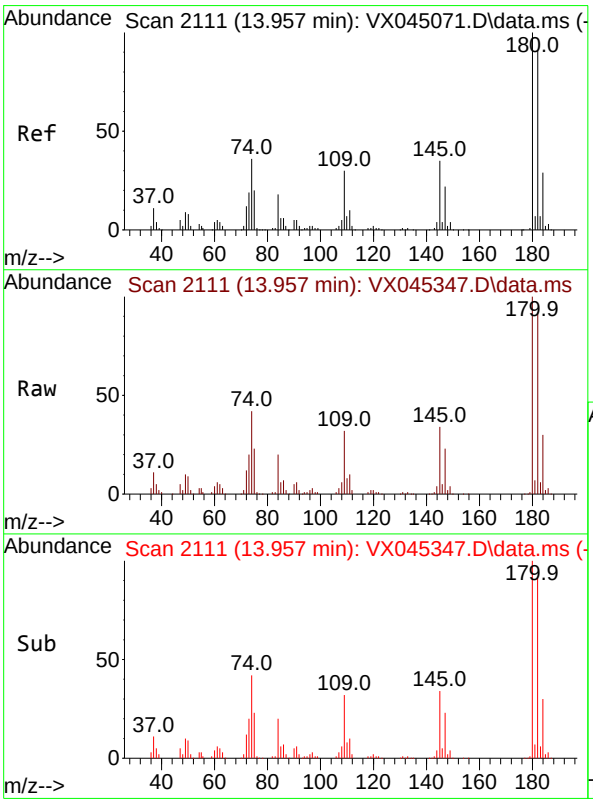
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

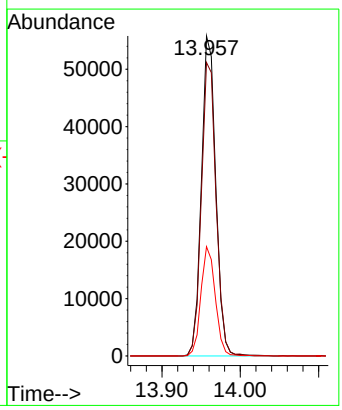
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.945 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 71037

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	34.1	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	91	0.00
2	T	Dichlorodifluoromethane	0.629	0.635	-1.0	92	0.00
3	P	Chloromethane	0.770	0.683	11.3	83	0.00
4	C	Vinyl Chloride	0.764	0.657	14.0#	79	0.00
5	T	Bromomethane	0.300	0.275	8.3	86	0.00
6	T	Chloroethane	0.352	0.316	10.2	77	0.00
7	T	Trichlorofluoromethane	1.011	0.978	3.3	85	0.00
8	T	Diethyl Ether	0.396	0.347	12.4	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.655	-12.7	101	0.00
10	T	Methyl Iodide	0.726	0.760	-4.7	90	0.00
11	T	Tert butyl alcohol	0.151	0.140	7.3	95	0.00
12	CM	1,1-Dichloroethene	0.614	0.608	1.0#	89	0.00
13	T	Acrolein	0.174	0.160	8.0	84	0.00
14	T	Allyl chloride	1.094	1.172	-7.1	97	0.00
15	T	Acrylonitrile	0.404	0.426	-5.4	95	0.00
16	T	Acetone	0.369	0.417	-13.0	108	0.00
17	T	Carbon Disulfide	1.636	1.362	16.7	75	0.00
18	T	Methyl Acetate	0.888	1.180	-32.9#	124	0.00
19	T	Methyl tert-butyl Ether	2.061	2.143	-4.0	94	0.00
20	T	Methylene Chloride	0.731	0.724	1.0	94	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.602	0.8	87	0.00
22	T	Diisopropyl ether	2.224	2.321	-4.4	92	0.00
23	T	Vinyl Acetate	1.856	1.938	-4.4	89	0.00
24	P	1,1-Dichloroethane	1.247	1.270	-1.8	93	0.00
25	T	2-Butanone	0.555	0.609	-9.7	96	0.00
26	T	2,2-Dichloropropane	0.585	0.919	-57.1#	140	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.755	-0.8	90	0.00
28	T	Bromochloromethane	0.594	0.603	-1.5	91	0.00
29	T	Tetrahydrofuran	0.373	0.375	-0.5	92	0.00
30	C	Chloroform	1.239	1.284	-3.6#	94	0.00
31	T	Cyclohexane	1.082	1.055	2.5	87	-0.01
32	T	1,1,1-Trichloroethane	1.000	1.065	-6.5	95	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.877	-10.3	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.334	0.382	-14.4	100	0.00
36	T	1,1-Dichloropropene	0.459	0.480	-4.6	88	-0.01
37	T	Ethyl Acetate	0.591	0.635	-7.4	91	0.00
38	T	Carbon Tetrachloride	0.465	0.526	-13.1	97	0.00
39	T	Methylcyclohexane	0.549	0.607	-10.6	90	0.00
40	TM	Benzene	1.448	1.505	-3.9	87	0.00
41	T	Methacrylonitrile	0.319	0.371	-16.3	94	-0.01
42	TM	1,2-Dichloroethane	0.521	0.601	-15.4	98	0.00
43	T	Isopropyl Acetate	0.874	0.996	-14.0	93	0.00
44	TM	Trichloroethene	0.340	0.353	-3.8	89	0.00
45	C	1,2-Dichloropropane	0.372	0.401	-7.8#	93	0.00
46	T	Dibromomethane	0.263	0.293	-11.4	94	0.00
47	T	Bromodichloromethane	0.516	0.586	-13.6	97	0.00
48	T	Methyl methacrylate	0.438	0.502	-14.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	84	0.00
50	S	Toluene-d8	1.212	1.314	-8.4	94	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.672	-14.5	95	0.00
52	CM	Toluene	0.849	0.910	-7.2#	87	0.00
53	T	t-1,3-Dichloropropene	0.431	0.527	-22.3	97	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.598	-18.9	96	0.00
55	T	1,1,2-Trichloroethane	0.350	0.376	-7.4	91	0.00
56	T	Ethyl methacrylate	0.532	0.599	-12.6	91	0.00
57	T	1,3-Dichloropropane	0.605	0.660	-9.1	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.321	-23.9	98	0.00
59	T	2-Hexanone	0.425	0.491	-15.5	95	0.00
60	T	Dibromochloromethane	0.366	0.421	-15.0	95	0.00
61	T	1,2-Dibromoethane	0.349	0.377	-8.0	92	0.00
62	S	4-Bromofluorobenzene	0.402	0.464	-15.4	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.320	0.349	-9.1	93	0.00
65	PM	Chlorobenzene	1.058	1.146	-8.3	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.388	-10.2	94	0.00
67	C	Ethyl Benzene	1.843	2.054	-11.4#	90	0.00
68	T	m/p-Xylenes	0.675	0.757	-12.1	90	0.00
69	T	o-Xylene	0.681	0.736	-8.1	90	0.00
70	T	Styrene	1.101	1.244	-13.0	91	0.00
71	P	Bromoform	0.266	0.311	-16.9	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.903	4.256	-9.0	93	0.00
74	T	N-amyl acetate	1.831	2.048	-11.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.465	-2.3	93	0.00
76	T	1,2,3-Trichloropropane	1.164	1.229	-5.6	96	0.00
77	T	Bromobenzene	0.921	0.944	-2.5	91	0.00
78	T	n-propylbenzene	4.409	5.000	-13.4	94	0.00
79	T	2-Chlorotoluene	2.808	3.000	-6.8	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.473	-10.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.404	-18.8	107	0.00
82	T	4-Chlorotoluene	3.060	3.358	-9.7	93	0.00
83	T	tert-Butylbenzene	3.242	3.499	-7.9	93	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.505	-10.4	93	0.00
85	T	sec-Butylbenzene	3.884	4.452	-14.6	95	0.00
86	T	p-Isopropyltoluene	3.139	3.622	-15.4	95	0.00
87	T	1,3-Dichlorobenzene	1.643	1.747	-6.3	94	0.00
88	T	1,4-Dichlorobenzene	1.662	1.724	-3.7	92	0.00
89	T	n-Butylbenzene	2.703	3.300	-22.1	99	0.00
90	T	Hexachloroethane	0.568	0.652	-14.8	97	0.00
91	T	1,2-Dichlorobenzene	1.648	1.756	-6.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.321	-15.1	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.072	-14.3	96	0.00
94	T	Hexachlorobutadiene	0.385	0.460	-19.5	106	0.00
95	T	Naphthalene	3.605	3.992	-10.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	1.108	-11.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	91	0.00
2	T	Dichlorodifluoromethane	50.000	50.442	-0.9	92	0.00
3	P	Chloromethane	50.000	44.361	11.3	83	0.00
4	C	Vinyl Chloride	50.000	43.004	14.0#	79	0.00
5	T	Bromomethane	50.000	45.822	8.4	86	0.00
6	T	Chloroethane	50.000	44.831	10.3	77	0.00
7	T	Trichlorofluoromethane	50.000	48.366	3.3	85	0.00
8	T	Diethyl Ether	50.000	43.843	12.3	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.396	-12.8	101	0.00
10	T	Methyl Iodide	50.000	52.350	-4.7	90	0.00
11	T	Tert butyl alcohol	250.000	232.818	6.9	95	0.00
12	CM	1,1-Dichloroethene	50.000	49.441	1.1#	89	0.00
13	T	Acrolein	250.000	229.981	8.0	84	0.00
14	T	Allyl chloride	50.000	53.602	-7.2	97	0.00
15	T	Acrylonitrile	250.000	264.049	-5.6	95	0.00
16	T	Acetone	250.000	282.690	-13.1	108	0.00
17	T	Carbon Disulfide	50.000	41.629	16.7	75	0.00
18	T	Methyl Acetate	50.000	66.439	-32.9#	124	0.00
19	T	Methyl tert-butyl Ether	50.000	51.972	-3.9	94	0.00
20	T	Methylene Chloride	50.000	49.504	1.0	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.612	0.8	87	0.00
22	T	Diisopropyl ether	50.000	52.186	-4.4	92	0.00
23	T	Vinyl Acetate	250.000	260.960	-4.4	89	0.00
24	P	1,1-Dichloroethane	50.000	50.922	-1.8	93	0.00
25	T	2-Butanone	250.000	274.133	-9.7	96	0.00
26	T	2,2-Dichloropropane	50.000	78.567	-57.1#	140	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.388	-0.8	90	0.00
28	T	Bromochloromethane	50.000	50.753	-1.5	91	0.00
29	T	Tetrahydrofuran	250.000	251.058	-0.4	92	0.00
30	C	Chloroform	50.000	51.818	-3.6#	94	0.00
31	T	Cyclohexane	50.000	48.741	2.5	87	-0.01
32	T	1,1,1-Trichloroethane	50.000	53.226	-6.5	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	55.125	-10.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	57.055	-14.1	100	0.00
36	T	1,1-Dichloropropene	50.000	52.334	-4.7	88	-0.01
37	T	Ethyl Acetate	50.000	53.733	-7.5	91	0.00
38	T	Carbon Tetrachloride	50.000	56.470	-12.9	97	0.00
39	T	Methylcyclohexane	50.000	55.240	-10.5	90	0.00
40	TM	Benzene	50.000	51.973	-3.9	87	0.00
41	T	Methacrylonitrile	50.000	58.072	-16.1	94	-0.01
42	TM	1,2-Dichloroethane	50.000	57.604	-15.2	98	0.00
43	T	Isopropyl Acetate	50.000	56.979	-14.0	93	0.00
44	TM	Trichloroethene	50.000	51.854	-3.7	89	0.00
45	C	1,2-Dichloropropane	50.000	53.925	-7.8#	93	0.00
46	T	Dibromomethane	50.000	55.635	-11.3	94	0.00
47	T	Bromodichloromethane	50.000	56.808	-13.6	97	0.00
48	T	Methyl methacrylate	50.000	57.285	-14.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	987.206	1.3	84	0.00
50	S	Toluene-d8	50.000	54.211	-8.4	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.370	-14.5	95	0.00
52	CM	Toluene	50.000	53.547	-7.1#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	61.040	-22.1	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.407	-18.8	96	0.00
55	T	1,1,2-Trichloroethane	50.000	53.712	-7.4	91	0.00
56	T	Ethyl methacrylate	50.000	56.313	-12.6	91	0.00
57	T	1,3-Dichloropropane	50.000	54.489	-9.0	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	309.131	-23.7	98	0.00
59	T	2-Hexanone	250.000	288.965	-15.6	95	0.00
60	T	Dibromochloromethane	50.000	57.543	-15.1	95	0.00
61	T	1,2-Dibromoethane	50.000	54.017	-8.0	92	0.00
62	S	4-Bromofluorobenzene	50.000	57.711	-15.4	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	54.416	-8.8	93	0.00
65	PM	Chlorobenzene	50.000	54.144	-8.3	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.992	-10.0	94	0.00
67	C	Ethyl Benzene	50.000	55.699	-11.4#	90	0.00
68	T	m/p-Xylenes	100.000	112.126	-12.1	90	0.00
69	T	o-Xylene	50.000	54.073	-8.1	90	0.00
70	T	Styrene	50.000	56.462	-12.9	91	0.00
71	P	Bromoform	50.000	58.610	-17.2	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	54.526	-9.1	93	0.00
74	T	N-amyl acetate	50.000	55.907	-11.8	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.164	-2.3	93	0.00
76	T	1,2,3-Trichloropropane	50.000	52.802	-5.6	96	0.00
77	T	Bromobenzene	50.000	51.283	-2.6	91	0.00
78	T	n-propylbenzene	50.000	56.710	-13.4	94	0.00
79	T	2-Chlorotoluene	50.000	53.424	-6.8	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.029	-10.1	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	59.413	-18.8	107	0.00
82	T	4-Chlorotoluene	50.000	54.878	-9.8	93	0.00
83	T	tert-Butylbenzene	50.000	53.959	-7.9	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.202	-10.4	93	0.00
85	T	sec-Butylbenzene	50.000	57.320	-14.6	95	0.00
86	T	p-Isopropyltoluene	50.000	57.707	-15.4	95	0.00
87	T	1,3-Dichlorobenzene	50.000	53.171	-6.3	94	0.00
88	T	1,4-Dichlorobenzene	50.000	51.865	-3.7	92	0.00
89	T	n-Butylbenzene	50.000	61.041	-22.1	99	0.00
90	T	Hexachloroethane	50.000	57.380	-14.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	53.282	-6.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.585	-15.2	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.116	-14.2	96	0.00
94	T	Hexachlorobutadiene	50.000	59.832	-19.7	106	0.00
95	T	Naphthalene	50.000	55.368	-10.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	55.945	-11.9	94	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 19:51

Lab File ID: VX045373.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.546		-13.2	50
Chloromethane	0.770	0.601	0.1	-21.95	50
Vinyl Chloride	0.764	0.594		-22.25	50
Bromomethane	0.300	0.259		-13.67	50
Chloroethane	0.352	0.320		-9.09	50
Trichlorofluoromethane	1.012	0.904		-10.67	50
1,1,2-Trichlorotrifluoroethane	0.581	0.581		0	50
1,1-Dichloroethene	0.614	0.558		-9.12	50
Acetone	0.369	0.342		-7.32	50
Carbon Disulfide	1.636	1.126		-31.17	50
Methyl tert-butyl Ether	2.061	1.989		-3.49	50
Methyl Acetate	0.888	1.121		26.24	50
Methylene Chloride	0.731	0.652		-10.81	50
trans-1,2-Dichloroethene	0.607	0.567		-6.59	50
1,1-Dichloroethane	1.247	1.210	0.1	-2.97	50
Cyclohexane	1.082	0.980		-9.43	50
2-Butanone	0.555	0.537		-3.24	50
Carbon Tetrachloride	0.465	0.466		0.22	50
cis-1,2-Dichloroethene	0.749	0.714		-4.67	50
Bromochloromethane	0.594	0.568		-4.38	50
Chloroform	1.239	1.236		-0.24	50
1,1,1-Trichloroethane	1.000	0.996		-0.4	50
Methylcyclohexane	0.549	0.531		-3.28	50
Benzene	1.448	1.385		-4.35	50
1,2-Dichloroethane	0.521	0.556		6.72	50
Trichloroethene	0.340	0.321		-5.59	50
1,2-Dichloropropane	0.372	0.352		-5.38	50
Bromodichloromethane	0.516	0.526		1.94	50
4-Methyl-2-Pentanone	0.587	0.593		1.02	50
Toluene	0.849	0.828		-2.47	50
t-1,3-Dichloropropene	0.431	0.432		0.23	50
cis-1,3-Dichloropropene	0.503	0.513		1.99	50
1,1,2-Trichloroethane	0.350	0.340		-2.86	50
2-Hexanone	0.425	0.433		1.88	50
Dibromochloromethane	0.366	0.361		-1.37	50
1,2-Dibromoethane	0.349	0.338		-3.15	50
Tetrachloroethene	0.320	0.329		2.81	50
Chlorobenzene	1.058	1.053	0.3	-0.47	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: AECO15

Lab Code: CHEM Case No.: Q1559 SAS No.: Q1559 SDG No.: Q1559

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 19:51

Lab File ID: VX045373.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.886		2.33	50
m/p-Xylenes	0.675	0.679		0.59	50
o-Xylene	0.681	0.678		-0.44	50
Styrene	1.101	1.135		3.09	50
Bromoform	0.266	0.271	0.1	1.88	50
Isopropylbenzene	3.903	3.887		-0.41	50
1,1,2,2-Tetrachloroethane	1.432	1.384	0.3	-3.35	50
1,3-Dichlorobenzene	1.643	1.603		-2.43	50
1,4-Dichlorobenzene	1.662	1.582		-4.81	50
1,2-Dichlorobenzene	1.648	1.615		-2	50
1,2-Dibromo-3-Chloropropane	0.279	0.286		2.51	50
1,2,4-Trichlorobenzene	0.938	0.947		0.96	50
1,2,3-Trichlorobenzene	0.990	0.976		-1.41	50
1,2-Dichloroethane-d4	0.795	0.755		-5.03	50
Dibromofluoromethane	0.334	0.314		-5.99	50
Toluene-d8	1.212	1.052		-13.2	50
4-Bromofluorobenzene	0.402	0.370		-7.96	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\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70639	47.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.940%			
35) Dibromofluoromethane	5.379	113	52009	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	8.647	98	174390	43.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.820%			
62) 4-Bromofluorobenzene	11.079	95	61298	46.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51086	43.383	ug/l	95
3) Chloromethane	1.307	50	56179	38.984	ug/l	96
4) Vinyl Chloride	1.374	62	55599	38.892	ug/l	97
5) Bromomethane	1.593	94	24213	43.085	ug/l	98
6) Chloroethane	1.660	64	29979	45.464	ug/l	96
7) Trichlorofluoromethane	1.868	101	84605	44.706	ug/l	98
8) Diethyl Ether	2.130	74	31439	42.472	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54397	50.031	ug/l	99
10) Methyl Iodide	2.441	142	66312	48.804	ug/l	95
11) Tert butyl alcohol	2.989	59	50967	180.827	ug/l	98
12) 1,1-Dichloroethene	2.307	96	52221	45.429	ug/l	94
13) Acrolein	2.239	56	70452	216.233	ug/l	99
14) Allyl chloride	2.654	41	100258	48.998	ug/l	94
15) Acrylonitrile	3.062	53	179013	236.977	ug/l	99
16) Acetone	2.386	43	160119	231.924	ug/l	96
17) Carbon Disulfide	2.502	76	105372	34.417	ug/l	96
18) Methyl Acetate	2.703	43	104891	63.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186021	48.235	ug/l	98
20) Methylene Chloride	2.782	84	60998	44.603	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53015	46.683	ug/l	96
22) Diisopropyl ether	3.764	45	205882	49.474	ug/l	98
23) Vinyl Acetate	3.721	43	843117	242.782	ug/l	98
24) 1,1-Dichloroethane	3.605	63	113207	48.541	ug/l	99
25) 2-Butanone	4.556	43	251226	241.746	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67607	61.802	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66766	47.626	ug/l	93
28) Bromochloromethane	4.891	49	53150	47.813	ug/l	98
29) Tetrahydrofuran	5.001	42	159365	228.354	ug/l	100
30) Chloroform	5.087	83	115671	49.916	ug/l	98
31) Cyclohexane	5.458	56	91710	45.300	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	93184	49.789	ug/l	97
36) 1,1-Dichloropropene	5.684	75	74230	48.847	ug/l	99
37) Ethyl Acetate	4.715	43	92331	47.152	ug/l	99
38) Carbon Tetrachloride	5.672	117	77143	50.002	ug/l	97
39) Methylcyclohexane	7.373	83	87986	48.320	ug/l	96
40) Benzene	6.031	78	229488	47.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	54907	51.857	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92126	53.313	ug/l		97
43) Isopropyl Acetate	6.336	43	142927	49.361	ug/l		99
44) Trichloroethene	7.123	130	53184	47.200	ug/l		98
45) 1,2-Dichloropropane	7.428	63	58403	47.336	ug/l		99
46) Dibromomethane	7.574	93	44280	50.776	ug/l		96
47) Bromodichloromethane	7.818	83	87101	50.921	ug/l		97
48) Methyl methacrylate	7.690	41	73187	50.381	ug/l		95
49) 1,4-Dioxane	7.665	88	24510	799.865	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491687	252.898	ug/l		99
52) Toluene	8.714	92	137136	48.708	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	71529	50.020	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	85027	50.990	ug/l	#	90
55) 1,1,2-Trichloroethane	9.147	97	56424	48.680	ug/l		98
56) Ethyl methacrylate	9.116	69	87573	49.705	ug/l		93
57) 1,3-Dichloropropane	9.305	76	96608	48.163	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	230541	268.242	ug/l		99
59) 2-Hexanone	9.427	43	358998	254.850	ug/l		98
60) Dibromochloromethane	9.519	129	59803	49.346	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56084	48.470	ug/l		98
64) Tetrachloroethene	9.269	164	45283	51.351	ug/l		98
65) Chlorobenzene	10.079	112	144993	49.767	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49330	50.843	ug/l		97
67) Ethyl Benzene	10.189	91	259715	51.160	ug/l		99
68) m/p-Xylenes	10.299	106	186973	100.611	ug/l		95
69) o-Xylene	10.640	106	93311	49.785	ug/l		97
70) Styrene	10.653	104	156285	51.533	ug/l		97
71) Bromoform	10.799	173	37320	51.008	ug/l	#	98
73) Isopropylbenzene	10.957	105	247227	49.801	ug/l		99
74) N-amyl acetate	10.842	43	118224	50.753	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88014	48.314	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73735m	49.810	ug/l		
77) Bromobenzene	11.195	156	55127	47.066	ug/l		96
78) n-propylbenzene	11.299	91	284120	50.665	ug/l		98
79) 2-Chlorotoluene	11.360	91	172470	48.292	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	200325	49.907	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20719	47.898	ug/l		87
82) 4-Chlorotoluene	11.451	91	195160	50.140	ug/l		99
83) tert-Butylbenzene	11.713	119	202061	48.993	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	201914	49.993	ug/l		99
85) sec-Butylbenzene	11.890	105	252116	51.032	ug/l		99
86) p-Isopropyltoluene	12.006	119	207118	51.877	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101952	48.793	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	100604	47.591	ug/l		99
89) n-Butylbenzene	12.329	91	185400	53.917	ug/l		99
90) Hexachloroethane	12.536	117	34950	48.398	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102736	49.014	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18163	51.178	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	60246	50.478	ug/l		99
94) Hexachlorobutadiene	13.725	225	24590	50.254	ug/l		100
95) Naphthalene	13.774	128	229260	49.996	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62054	49.285	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

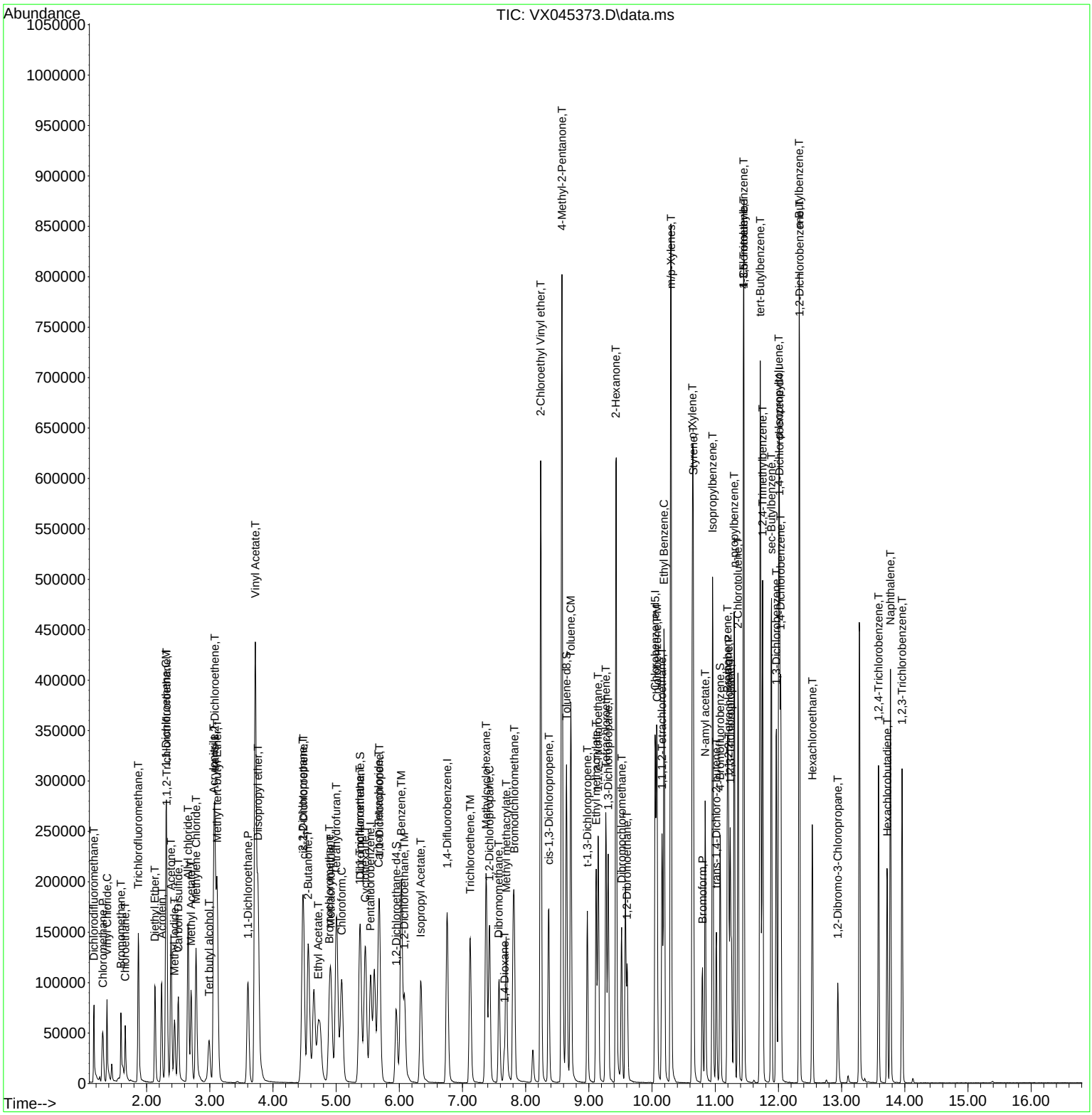
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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

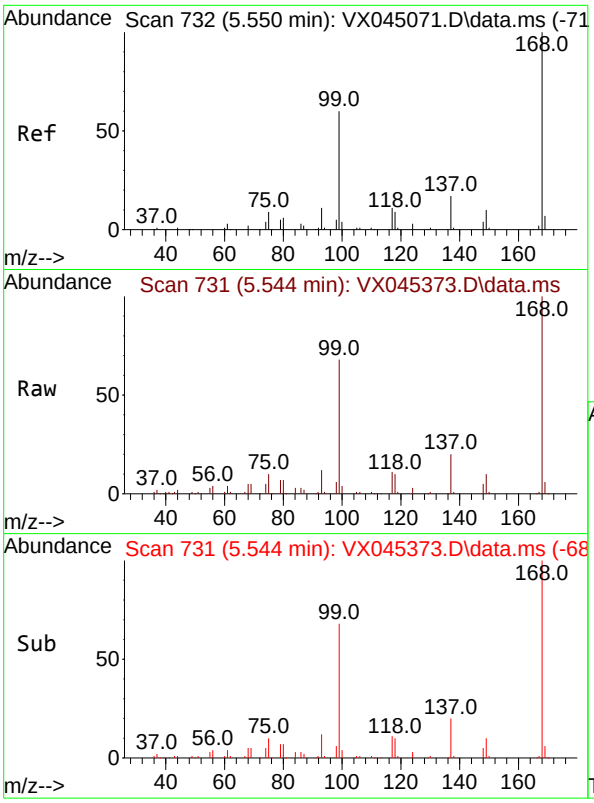
Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

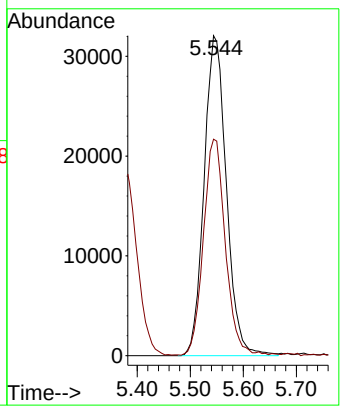




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:168 Resp: 9354

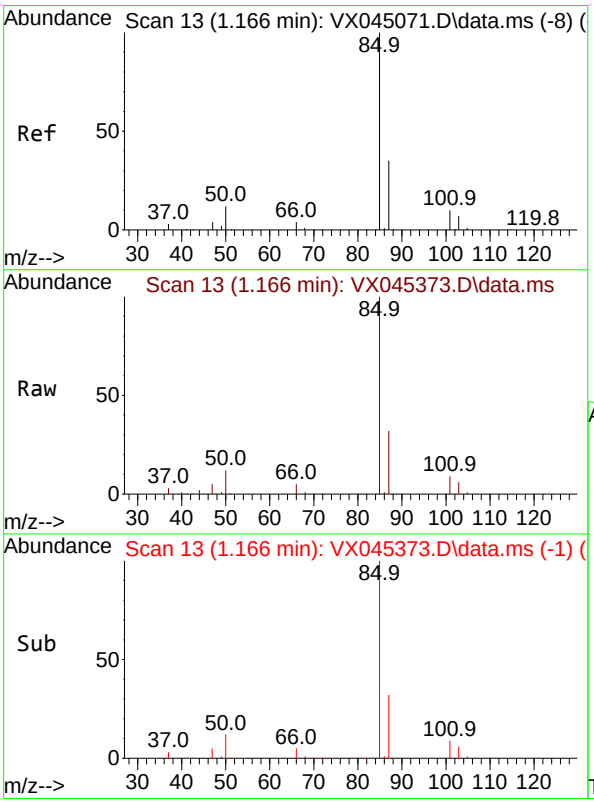
Ion	Ratio	Lower	Upper
168	100		
99	67.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

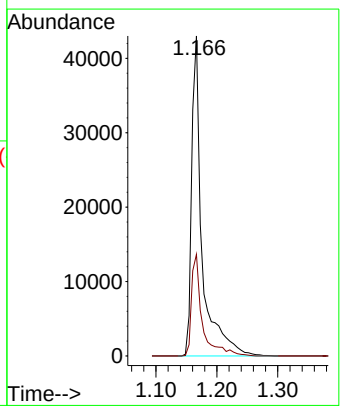
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

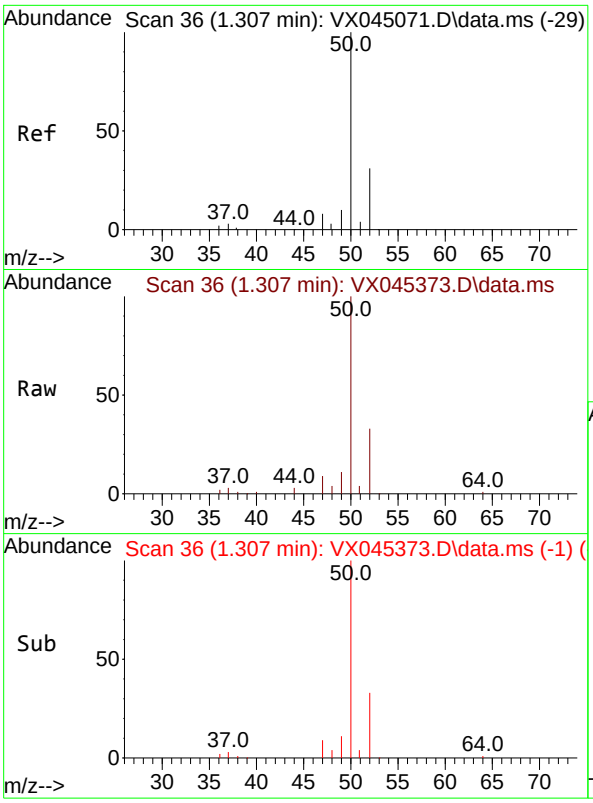


#2
Dichlorodifluoromethane
Concen: 43.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 85 Resp: 51086

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

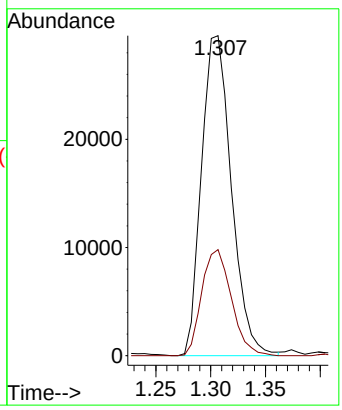




#3
Chloromethane
Concen: 38.984 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 50 Resp: 5617

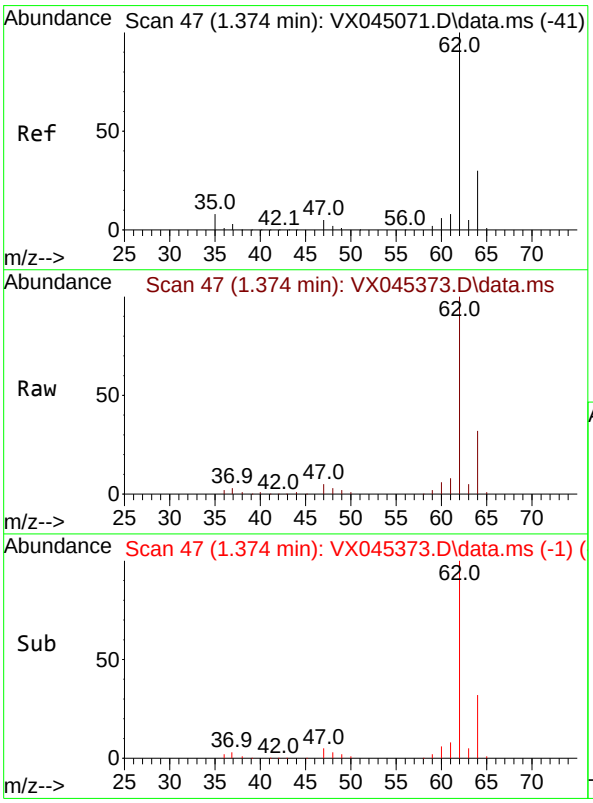
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

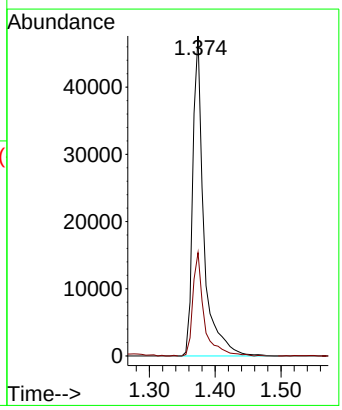
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

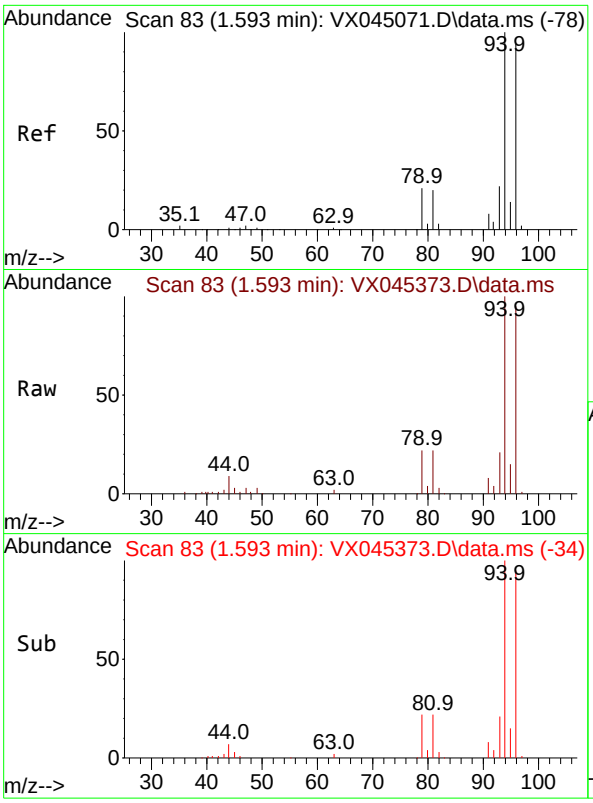


#4
Vinyl Chloride
Concen: 38.892 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 55599

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.3	36.5

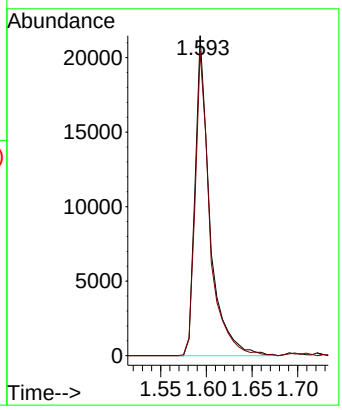




#5
Bromomethane
Concen: 43.085 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 94 Resp: 2421

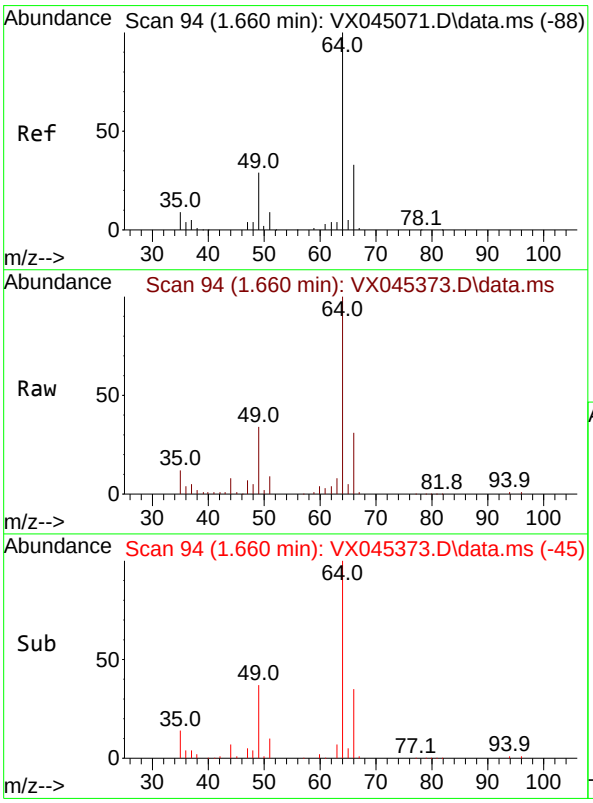
Ion	Ratio	Lower	Upper
94	100		
96	95.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

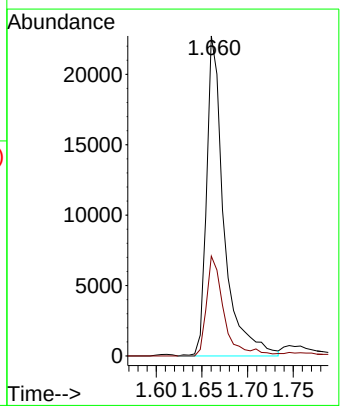
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

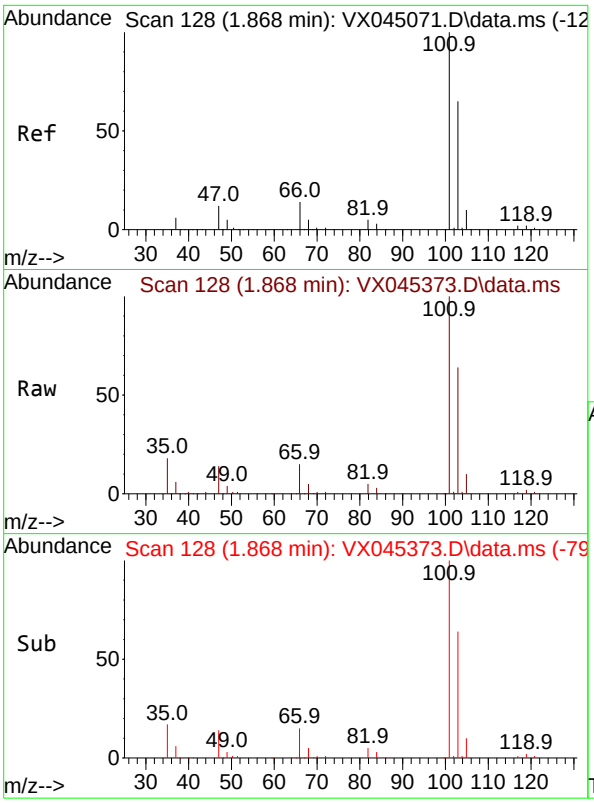


#6
Chloroethane
Concen: 45.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.7	40.1

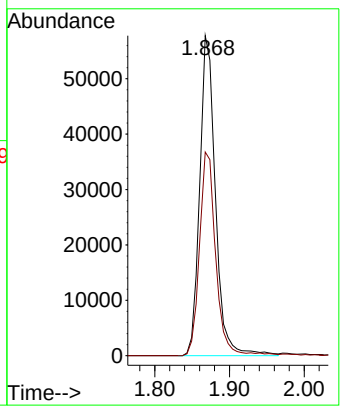




#7
Trichlorofluoromethane
Concen: 44.706 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:101 Resp: 8460

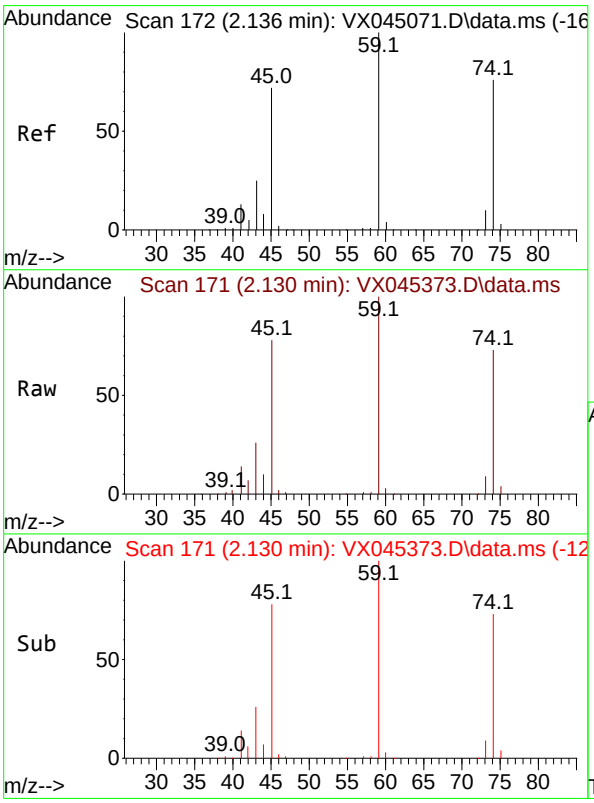
Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

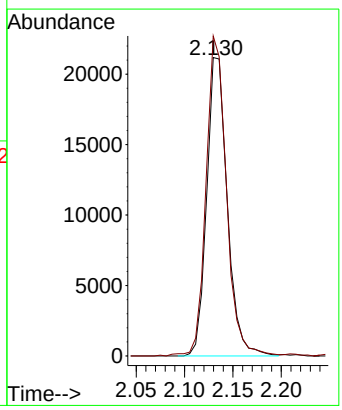
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

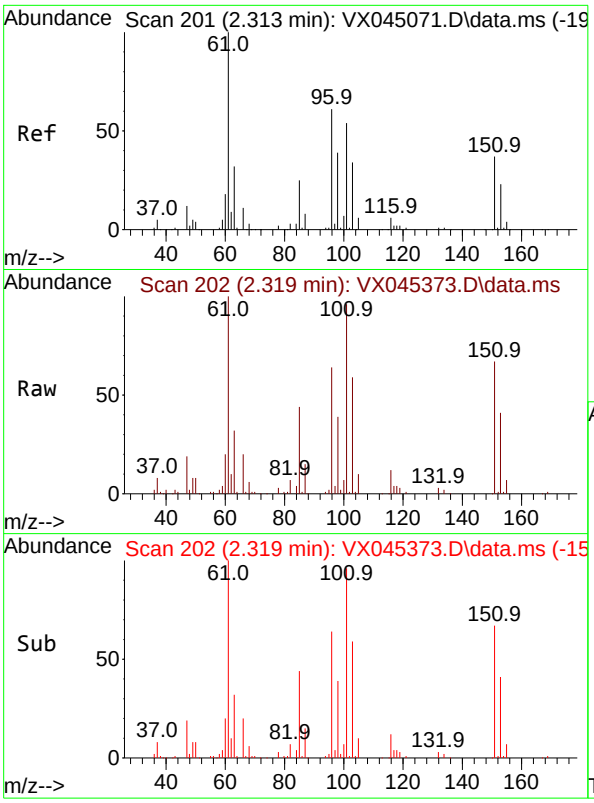


#8
Diethyl Ether
Concen: 42.472 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 74 Resp: 31439

Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.031 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

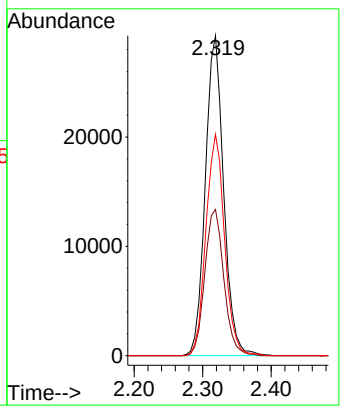
Tgt Ion:101 Resp: 5439

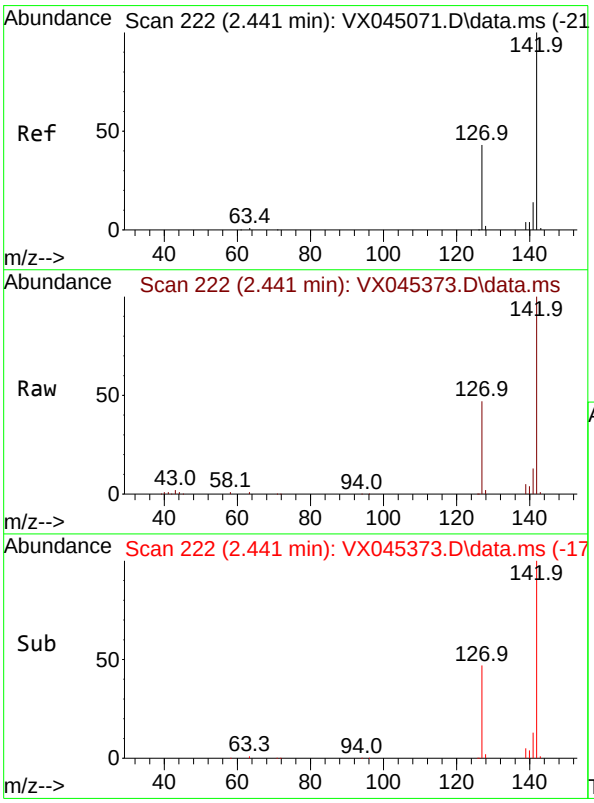
Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

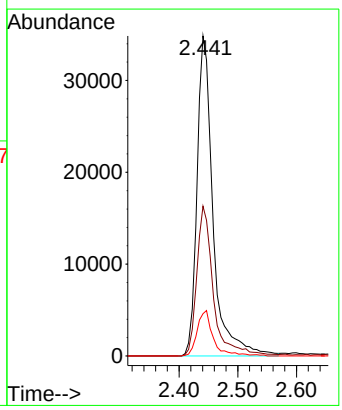


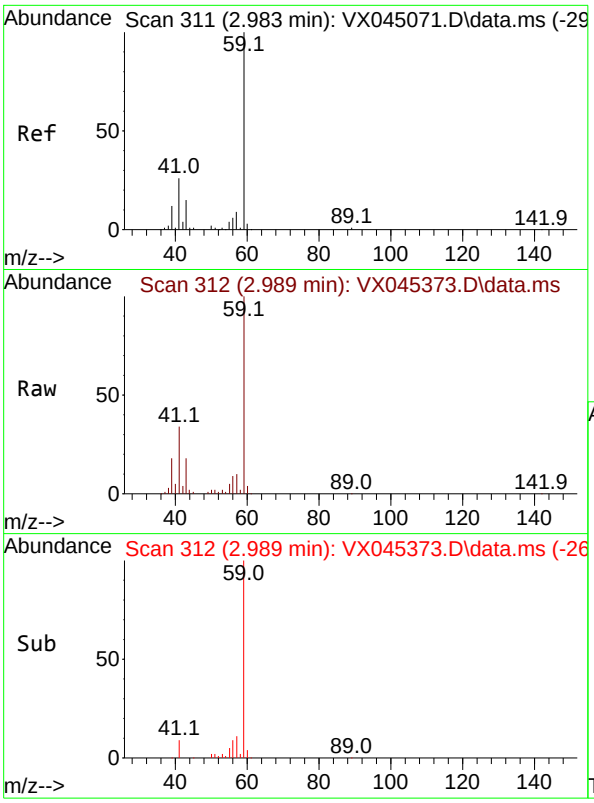


#10
Methyl Iodide
Concen: 48.804 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:142 Resp: 66312

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.2	11.6	17.4

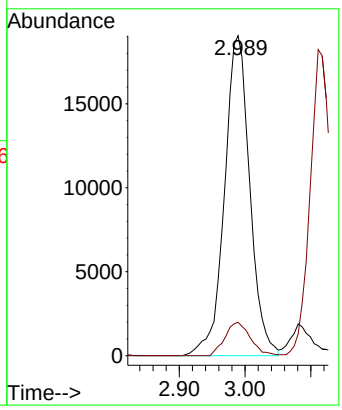




#11
Tert butyl alcohol
Concen: 180.827 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 59 Resp: 5096

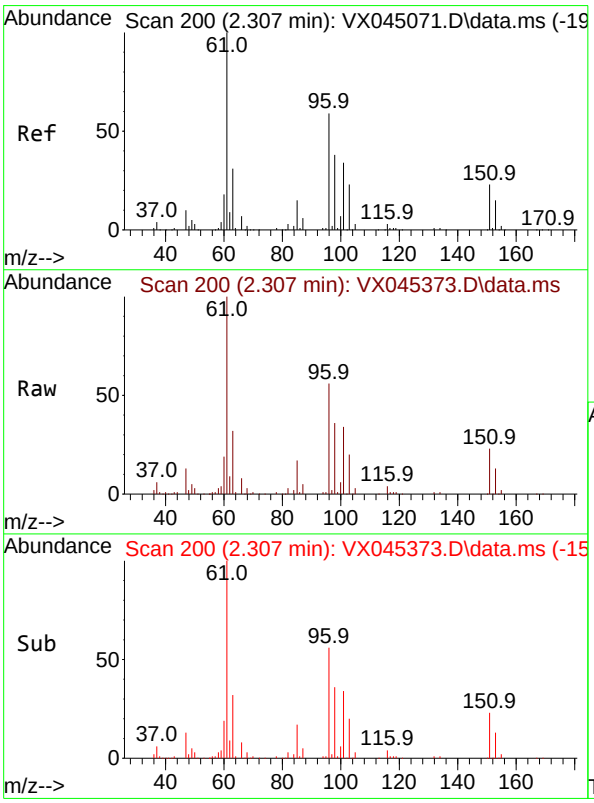
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

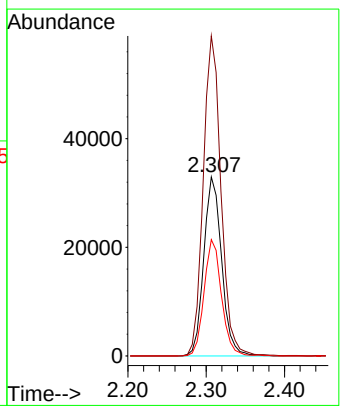
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

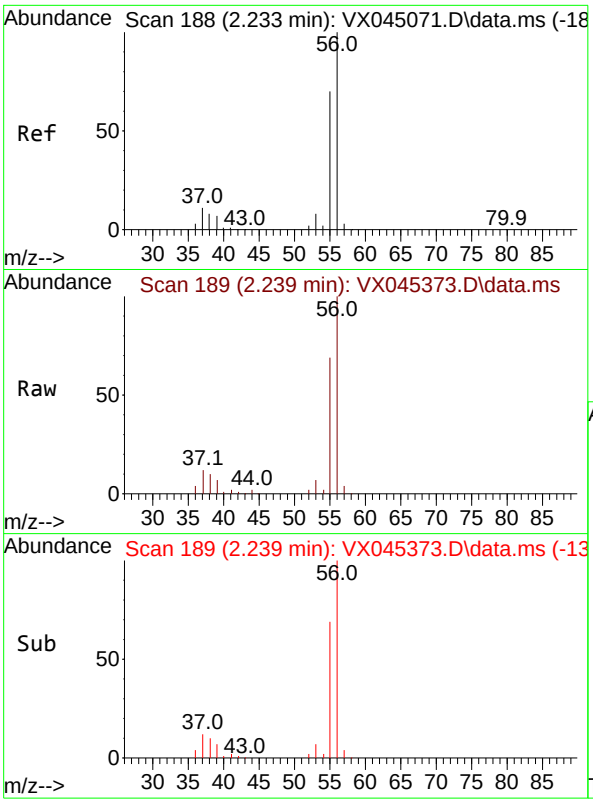


#12
1,1-Dichloroethene
Concen: 45.429 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 52221

Ion	Ratio	Lower	Upper
96	100		
61	178.8	134.6	202.0
98	65.0	51.0	76.6

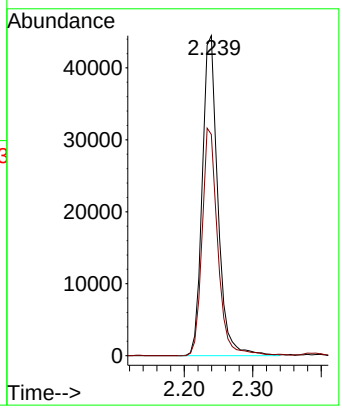




#13
Acrolein
Concen: 216.233 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 56 Resp: 7045

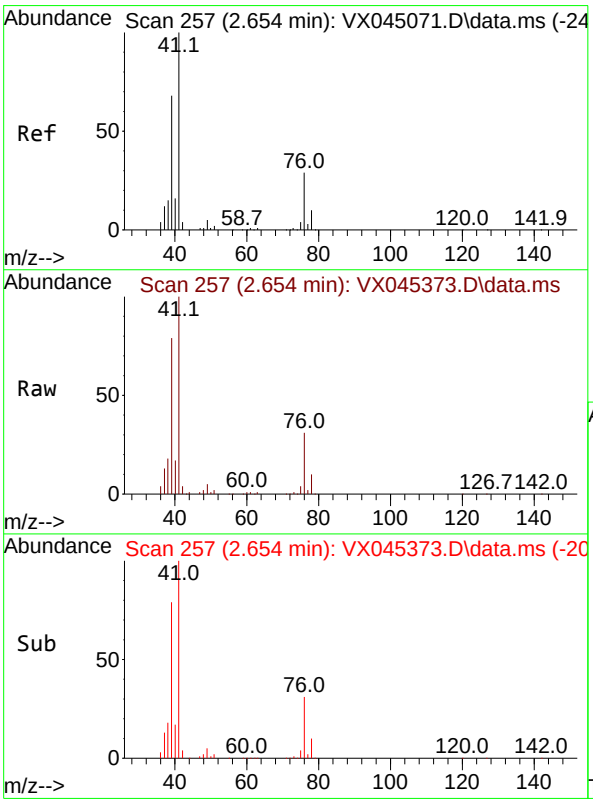
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

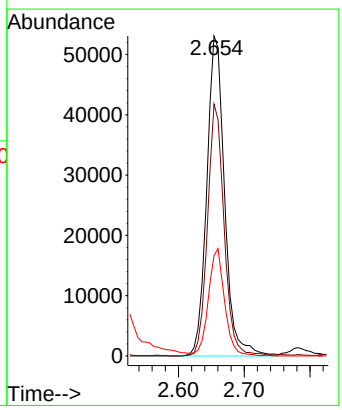
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

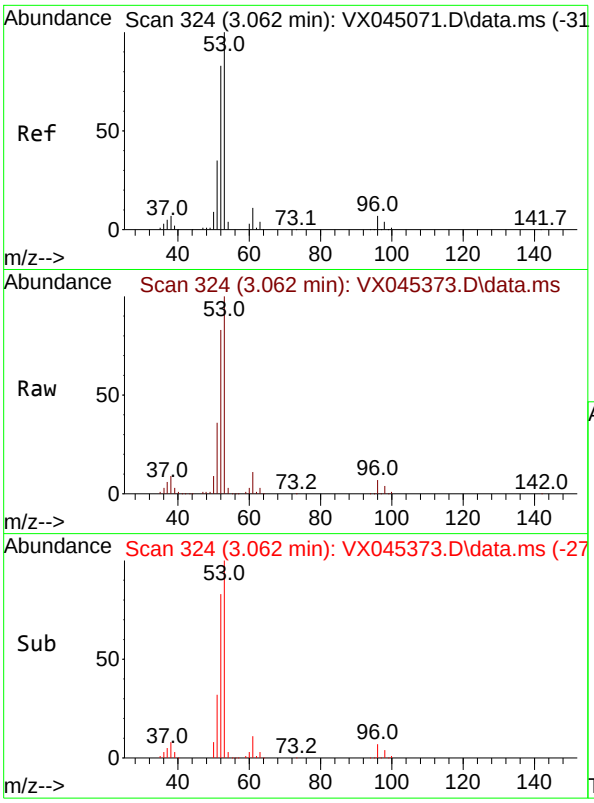


#14
Allyl chloride
Concen: 48.998 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 100258

Ion	Ratio	Lower	Upper
41	100		
39	73.0	53.8	80.8
76	30.3	25.2	37.8

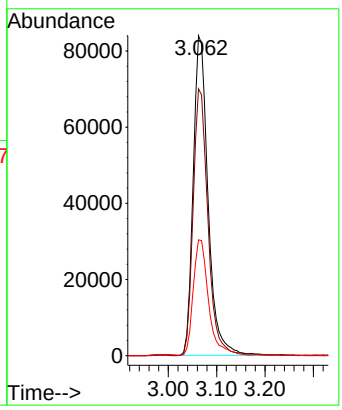




#15
Acrylonitrile
Concen: 236.977 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 53 Resp: 17901

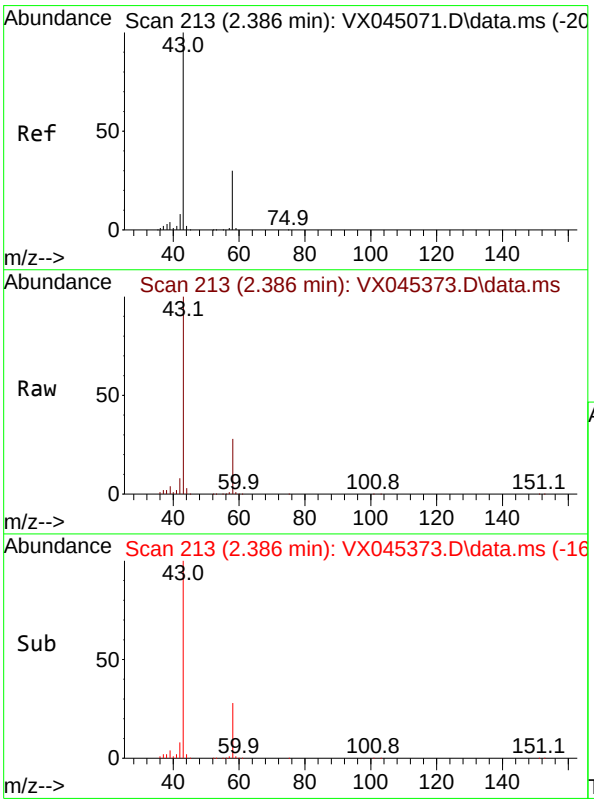
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

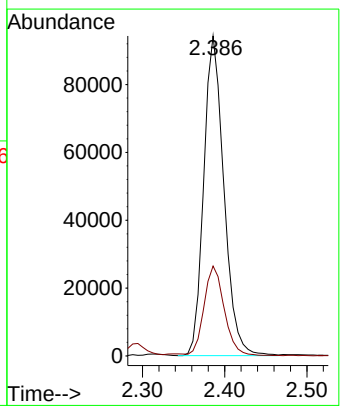
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

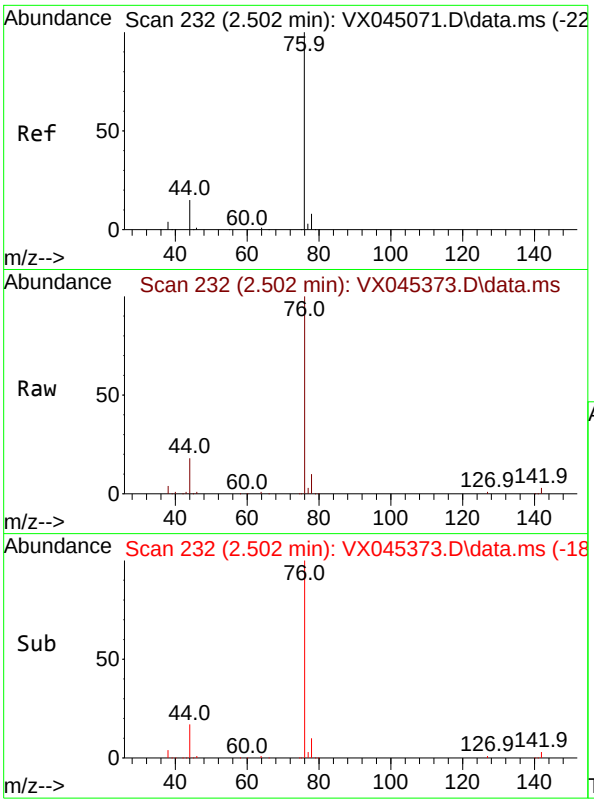


#16
Acetone
Concen: 231.924 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 160119

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.2	36.4

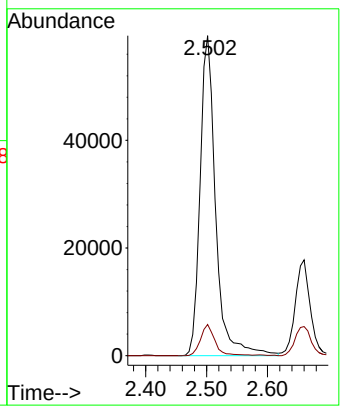




#17
Carbon Disulfide
Concen: 34.417 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 76 Resp: 10537

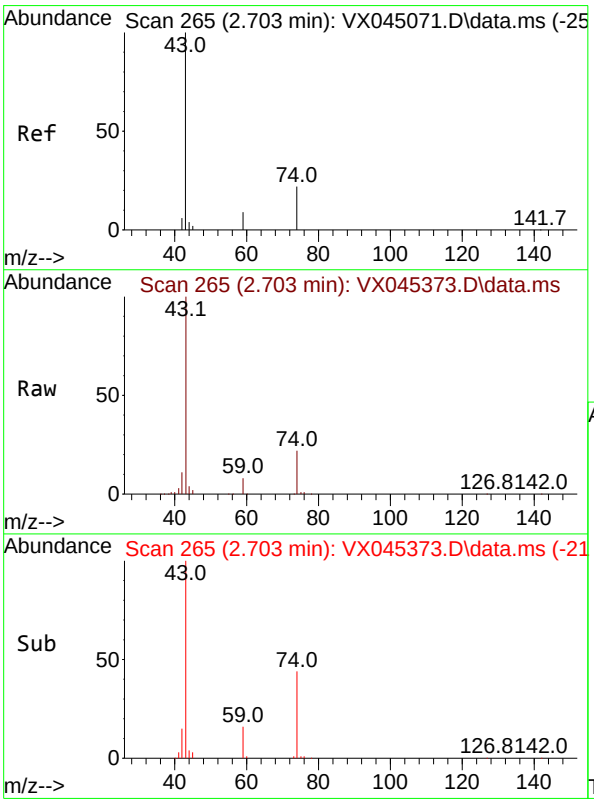
Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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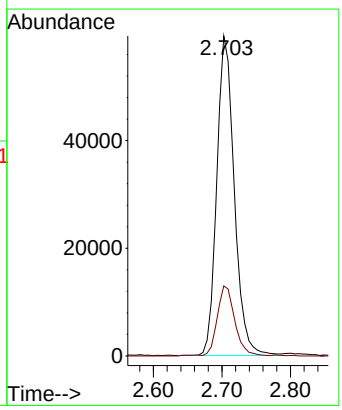
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

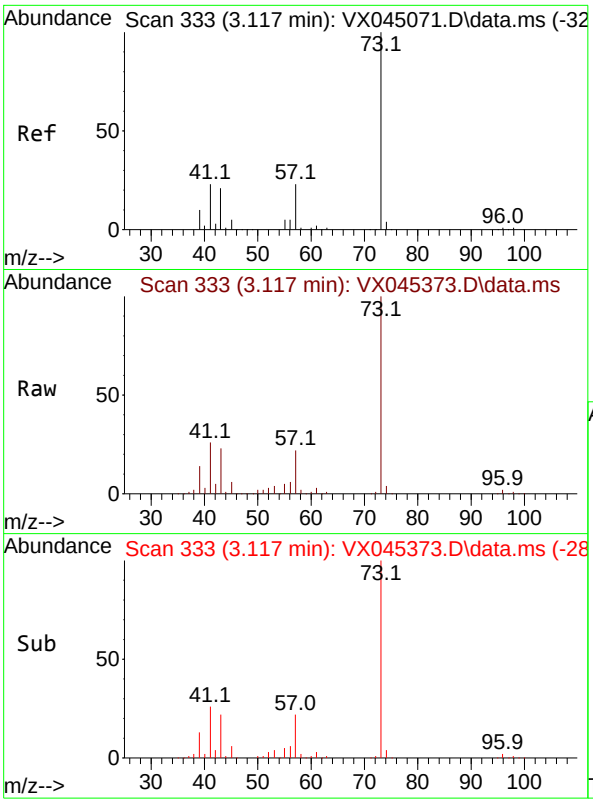


#18
Methyl Acetate
Concen: 63.154 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 104891

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

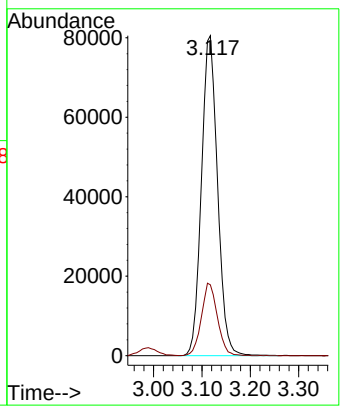




#19
Methyl tert-butyl Ether
Concen: 48.235 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 73 Resp: 18602

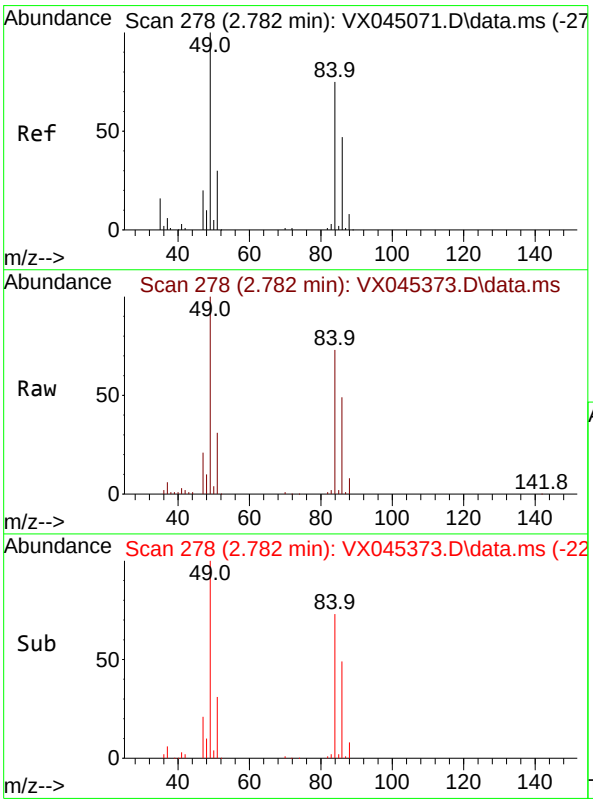
Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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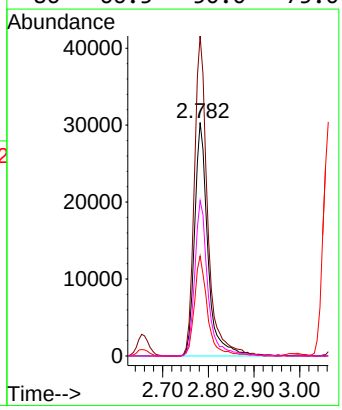
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

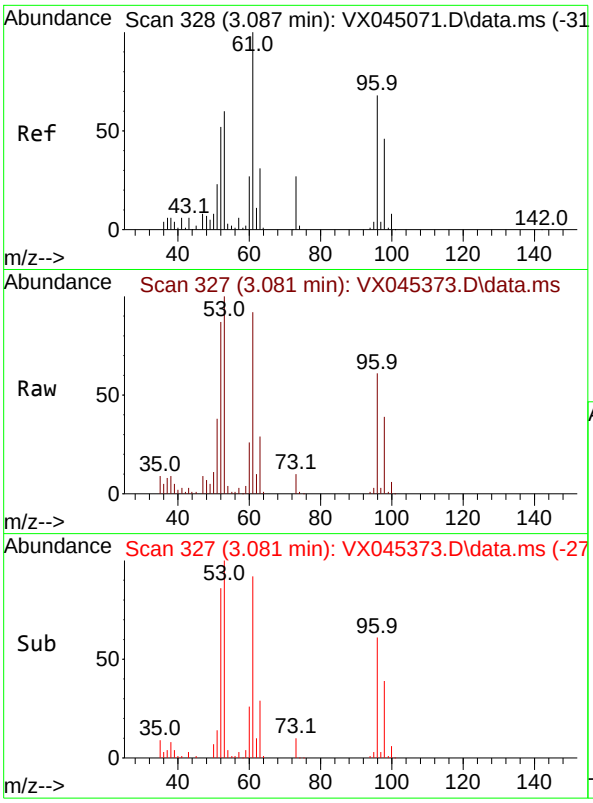


#20
Methylene Chloride
Concen: 44.603 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 84 Resp: 60998

Ion	Ratio	Lower	Upper
84	100		
49	137.1	106.5	159.7
51	42.8	32.1	48.1
86	66.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 46.683 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

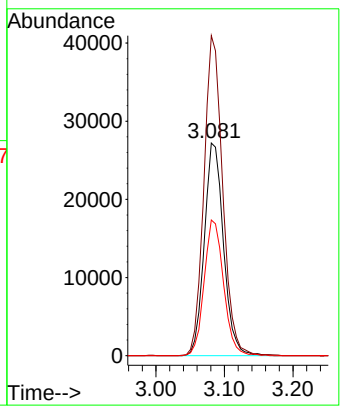
Tgt Ion: 96 Resp: 5301

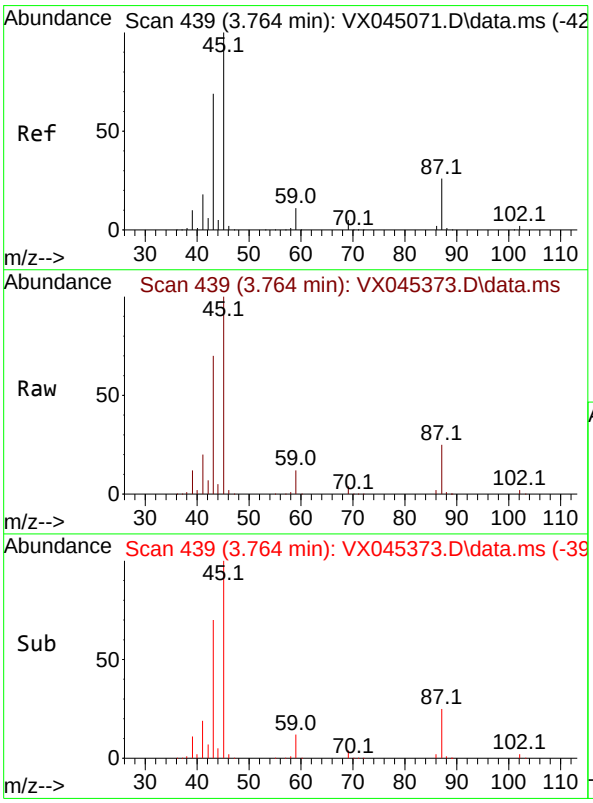
Ion	Ratio	Lower	Upper
96	100		
61	150.5	117.0	175.4
98	63.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

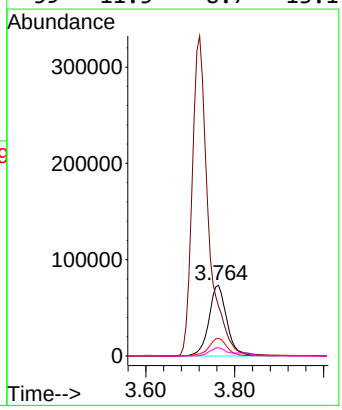


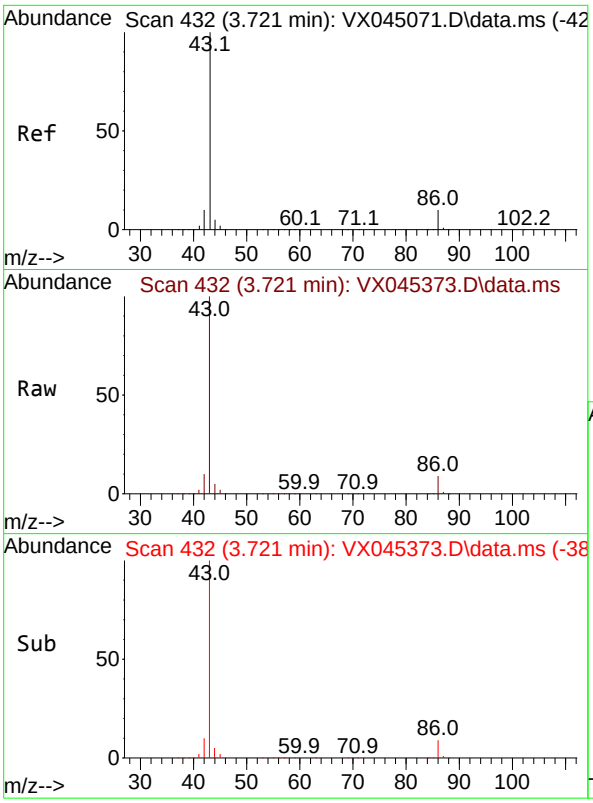


#22
Diisopropyl ether
Concen: 49.474 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 45 Resp: 205882

Ion	Ratio	Lower	Upper
45	100		
43	70.2	54.9	82.3
87	24.8	21.0	31.4
59	11.5	8.7	13.1

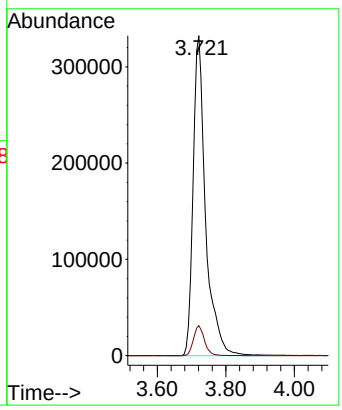




#23
Vinyl Acetate
Concen: 242.782 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 84311

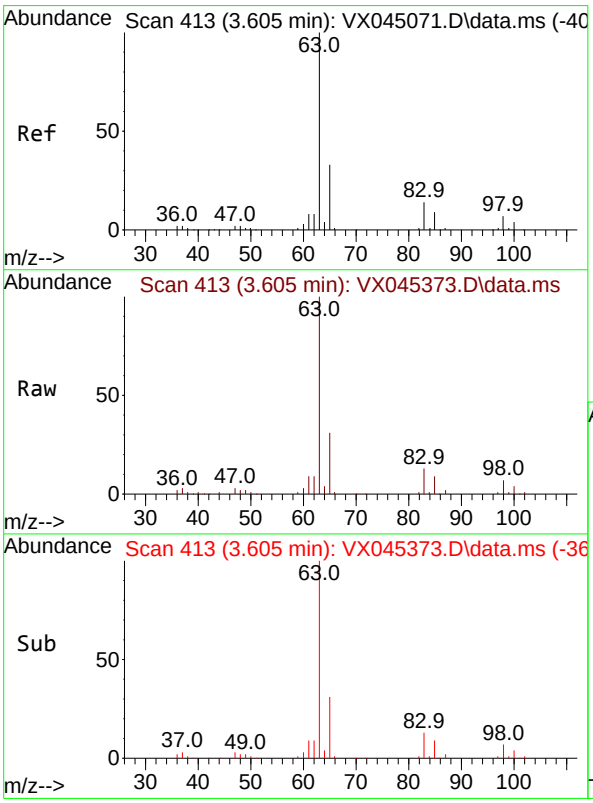
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

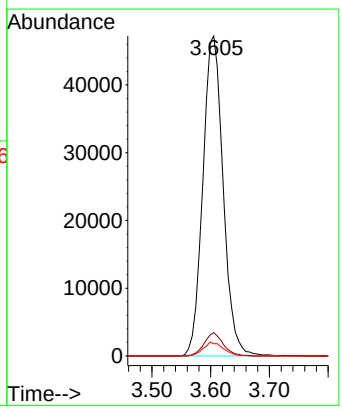
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

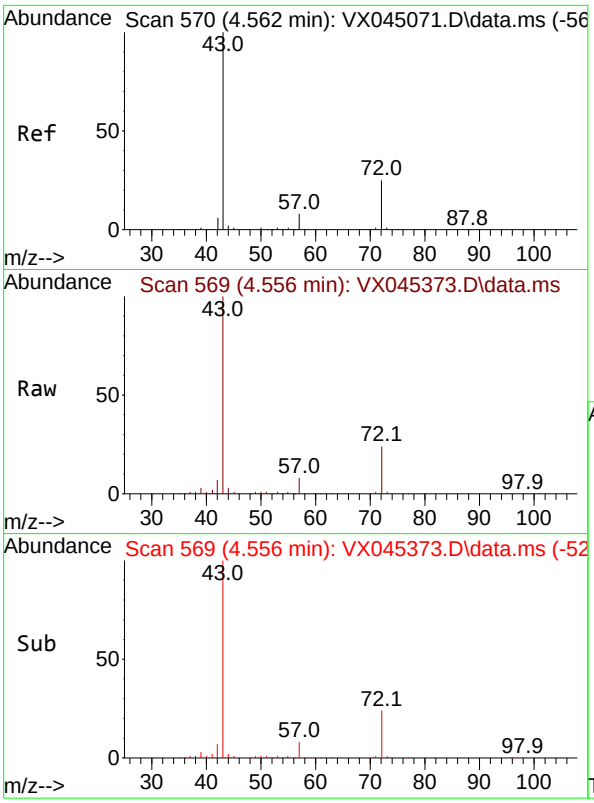


#24
1,1-Dichloroethane
Concen: 48.541 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 113207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5

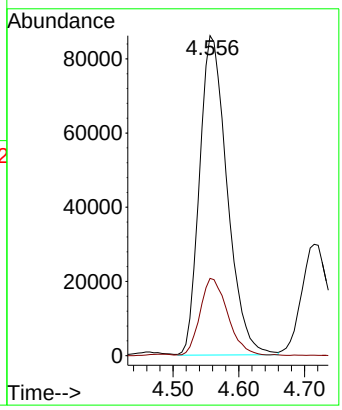




#25
2-Butanone
Concen: 241.746 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 25122

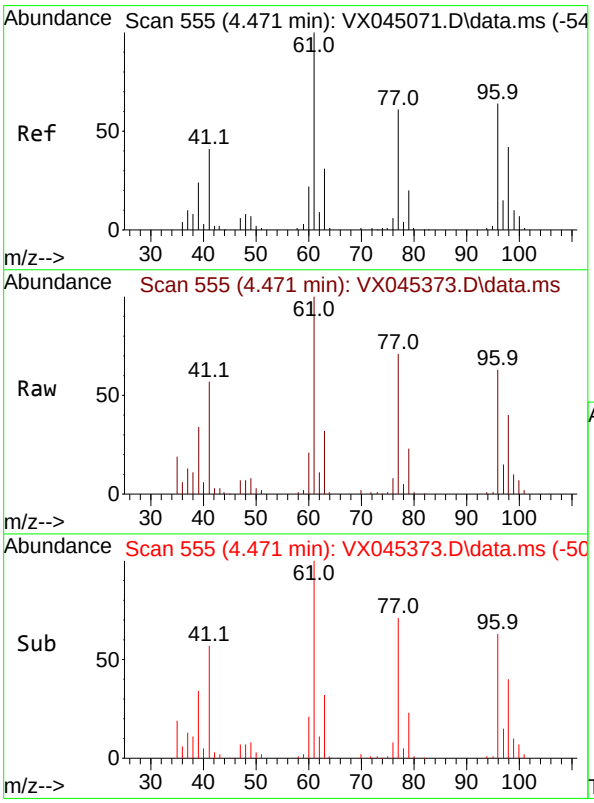
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

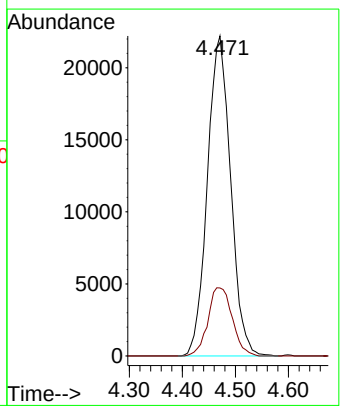
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

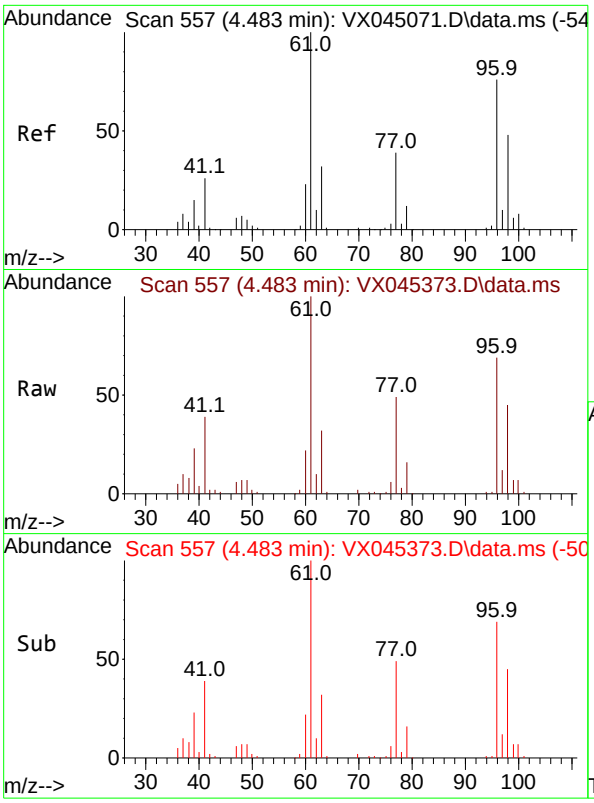


#26
2,2-Dichloropropane
Concen: 61.802 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 77 Resp: 67607

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0

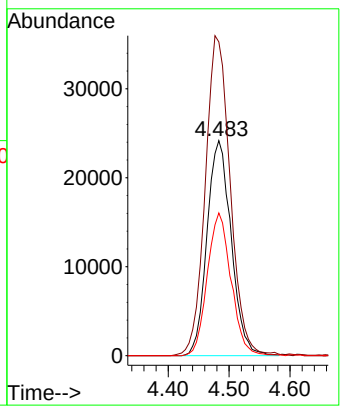




#27
cis-1,2-Dichloroethene
Concen: 47.626 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 6676

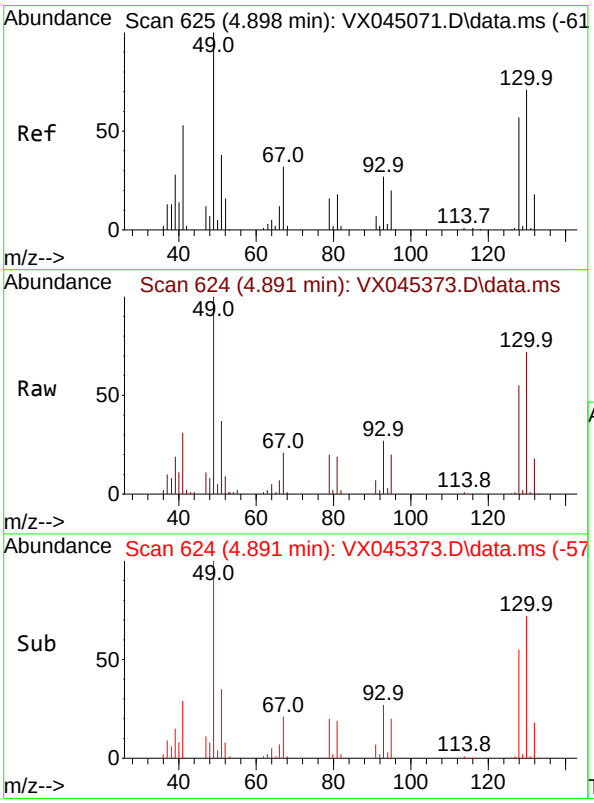
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	283.2
98	65.2	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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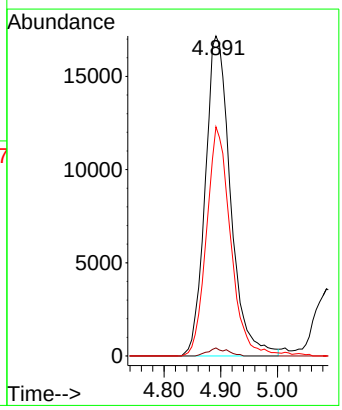
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

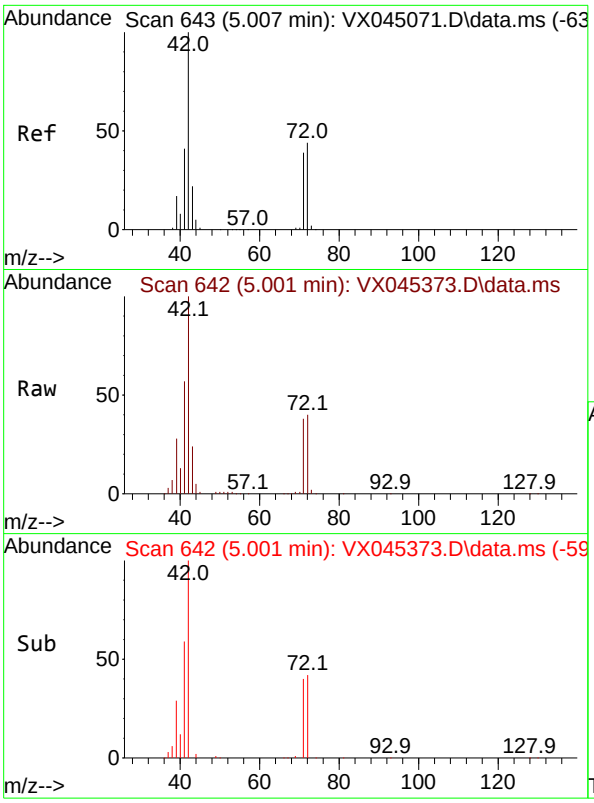


#28
Bromochloromethane
Concen: 47.813 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 49 Resp: 53150

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 228.354 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

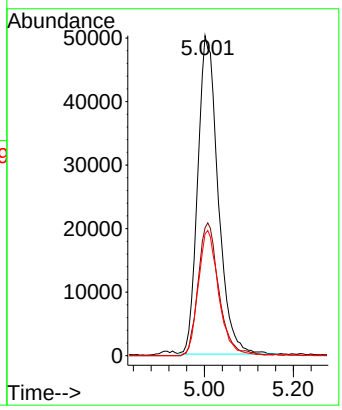
Tgt Ion: 42 Resp: 15936

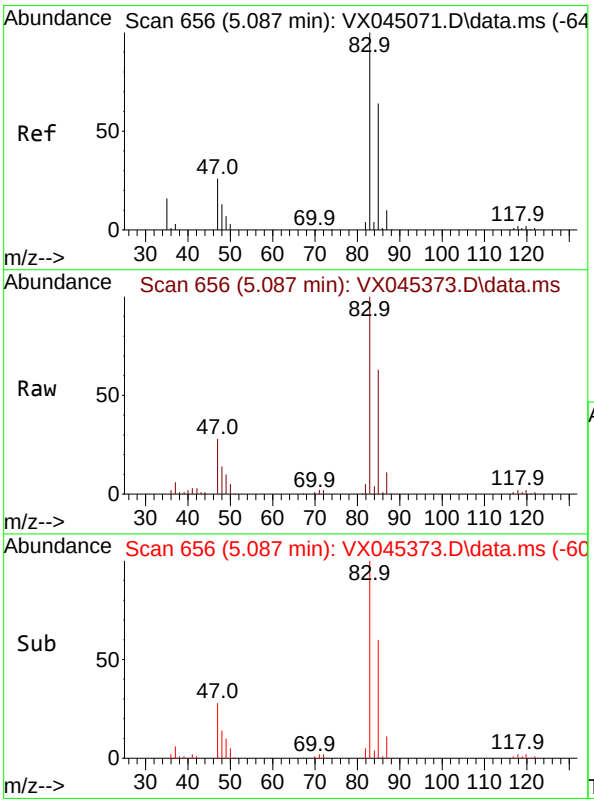
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.5	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

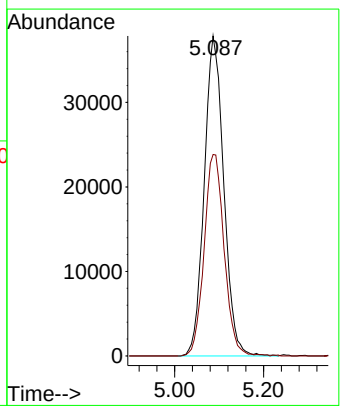


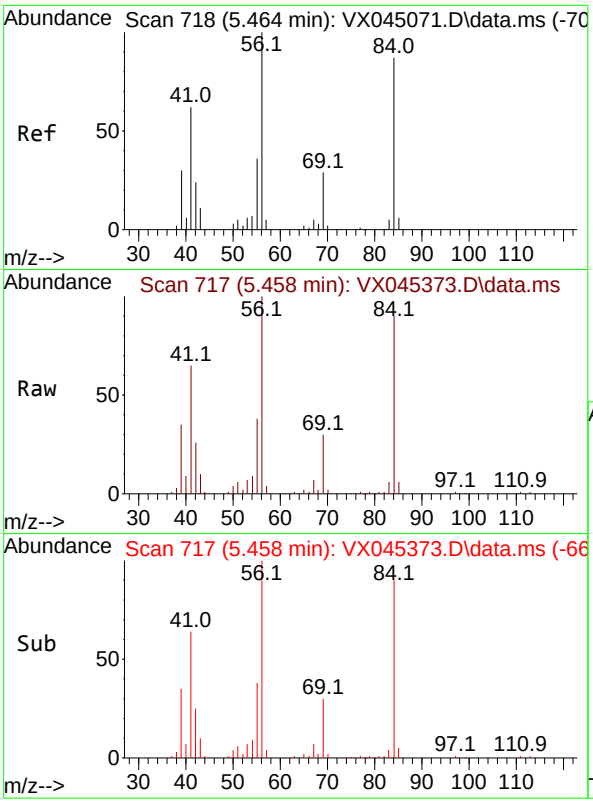


#30
Chloroform
Concen: 49.916 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 115671

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2

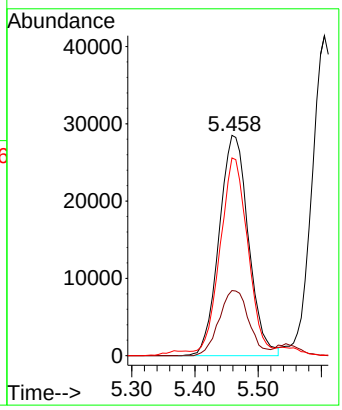




#31
Cyclohexane
Concen: 45.300 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

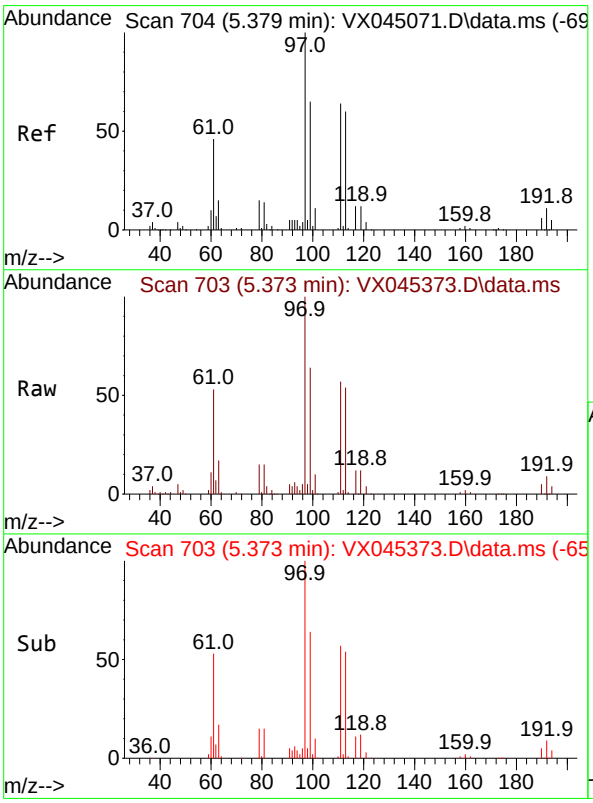
Tgt Ion: 56 Resp: 9171

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	87.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

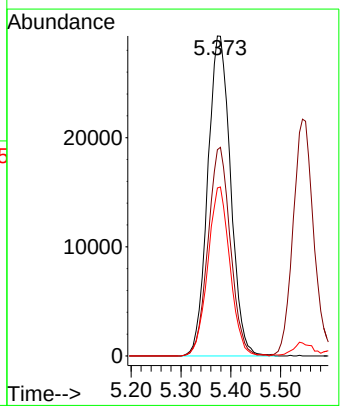
Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

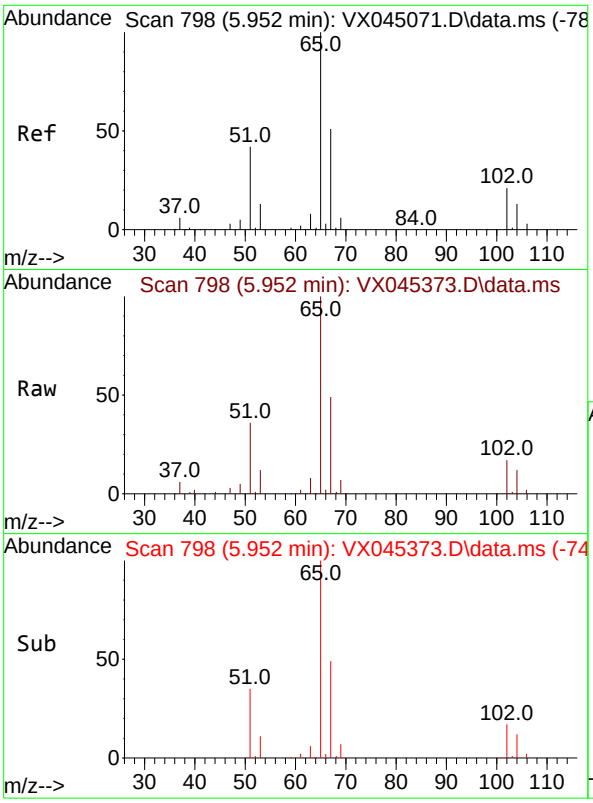


#32
1,1,1-Trichloroethane
Concen: 49.789 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 93184

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6

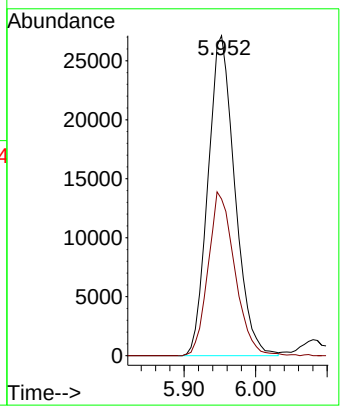




#33
1,2-Dichloroethane-d4
Concen: 47.472 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 65 Resp: 7063

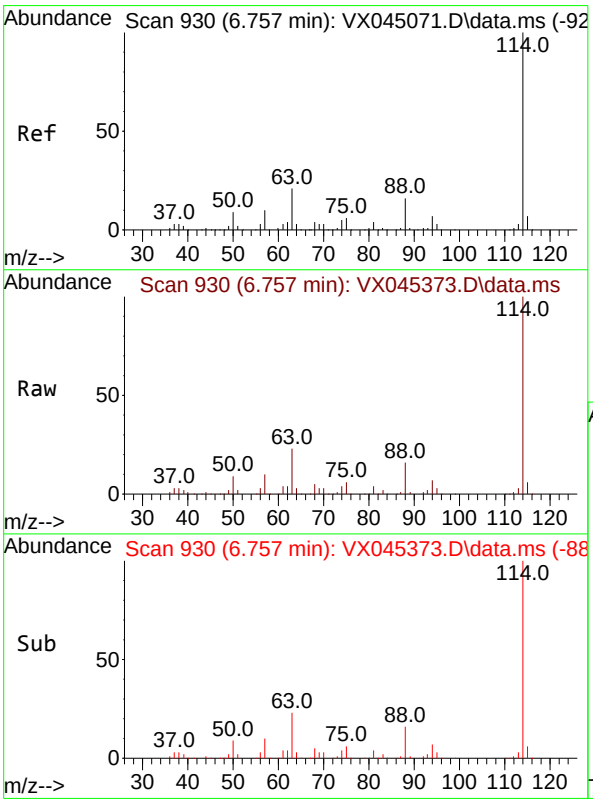
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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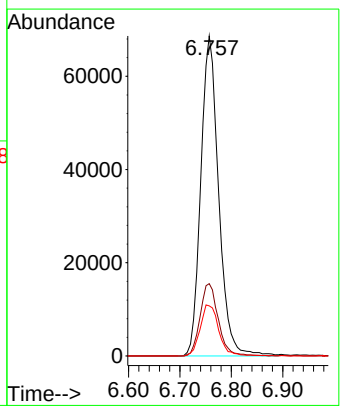
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

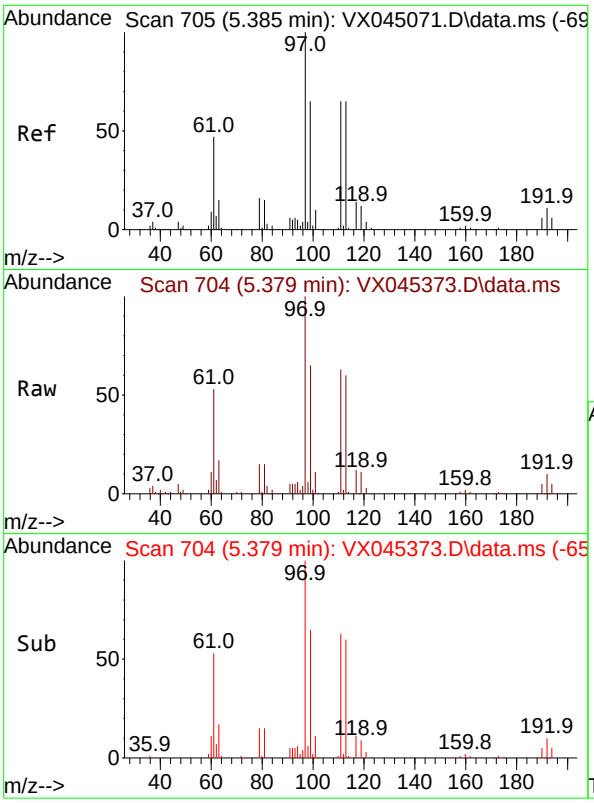


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:114 Resp: 165716

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	15.7	0.0	32.8

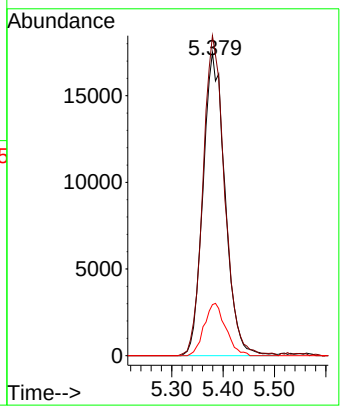




#35
Dibromofluoromethane
Concen: 46.935 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:113 Resp: 5200

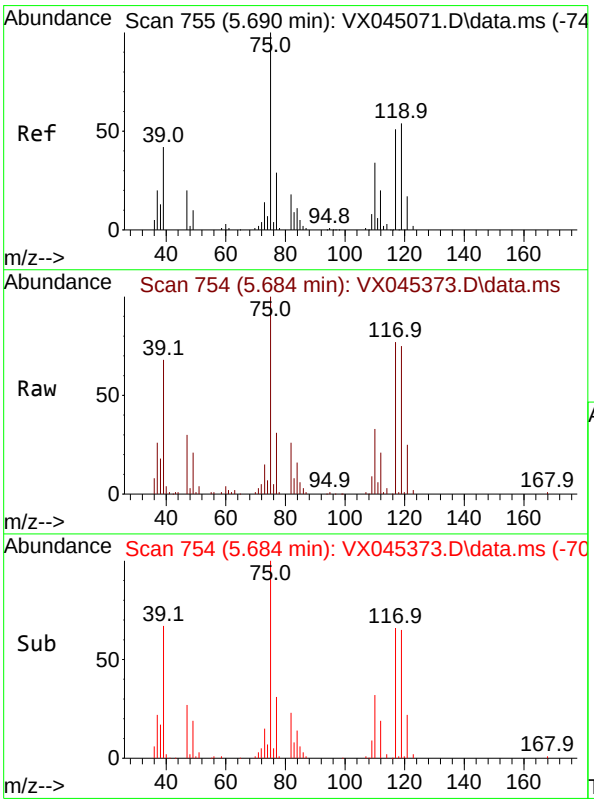
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	16.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

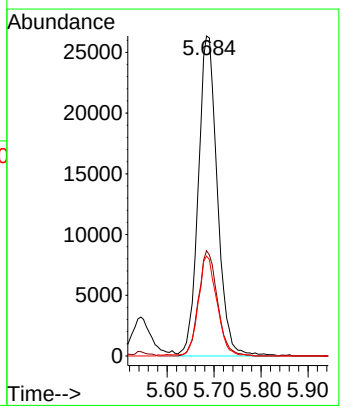
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

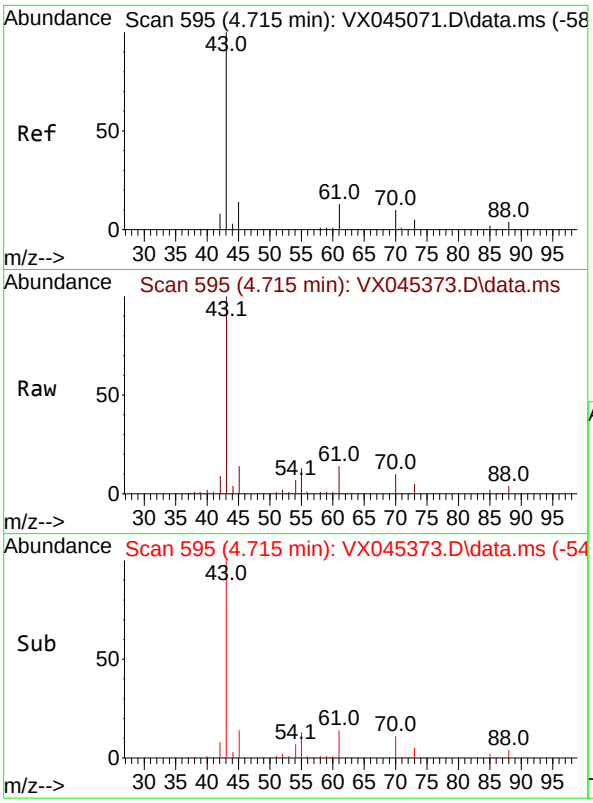


#36
1,1-Dichloropropene
Concen: 48.847 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 74230

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.6
77	30.4	24.5	36.7

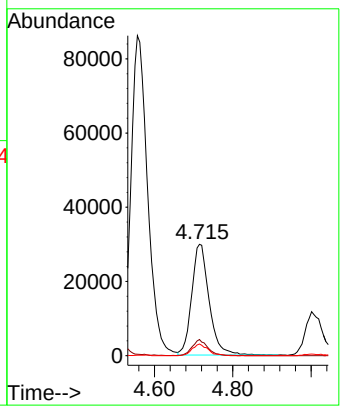




#37
Ethyl Acetate
Concen: 47.152 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 9233

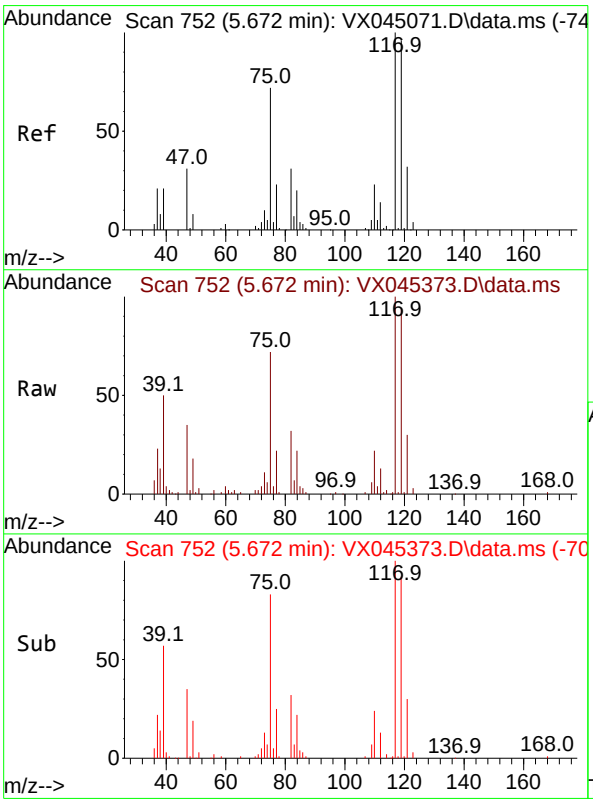
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

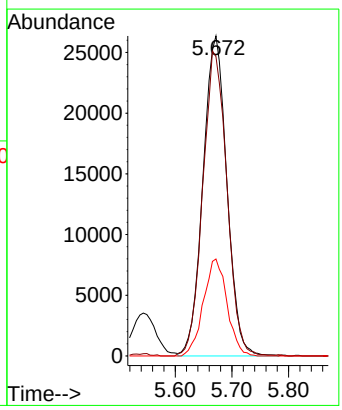
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

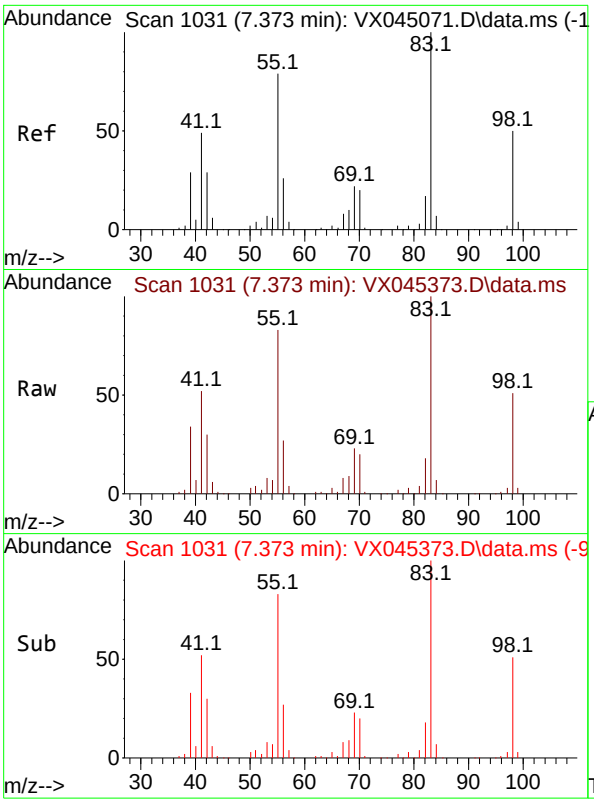


#38
Carbon Tetrachloride
Concen: 50.002 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 77143

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
121	30.3	25.5	38.3

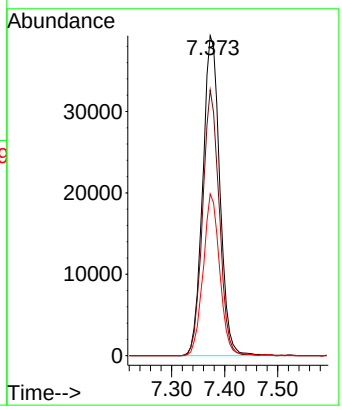




#39
Methylcyclohexane
Concen: 48.320 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 8798

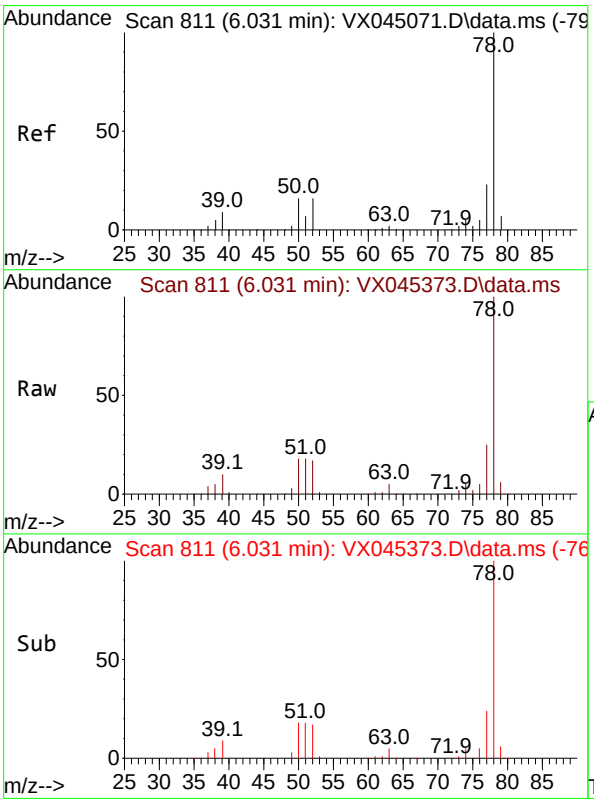
Ion	Ratio	Lower	Upper
83	100		
55	83.0	63.0	94.4
98	50.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

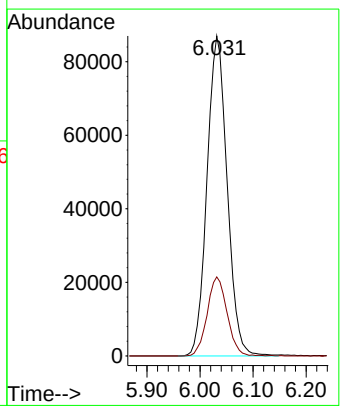
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

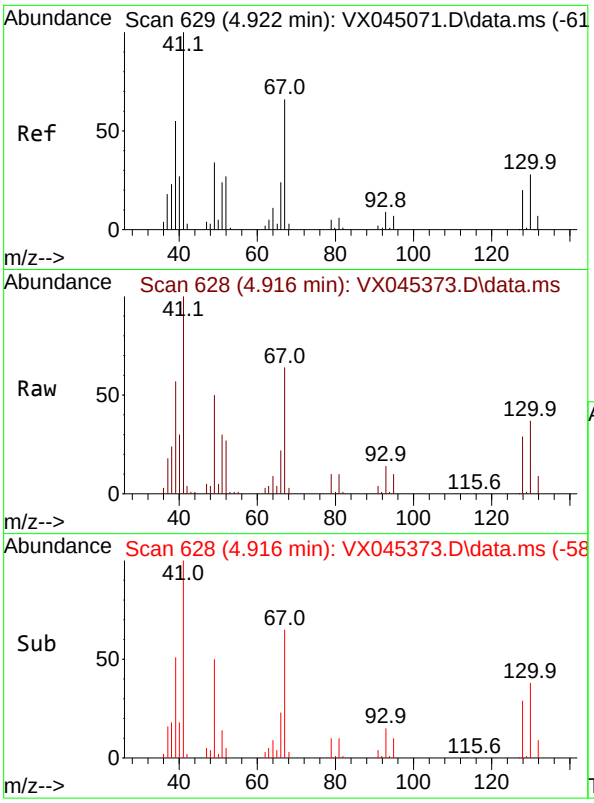


#40
Benzene
Concen: 47.823 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 78 Resp: 229488

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2

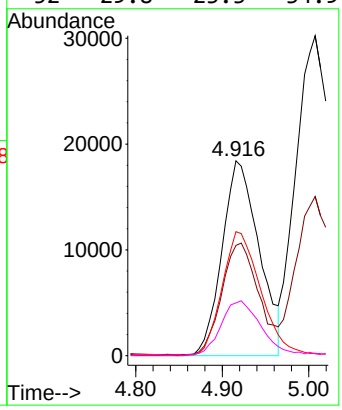




#41
Methacrylonitrile
Concen: 51.857 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 5490

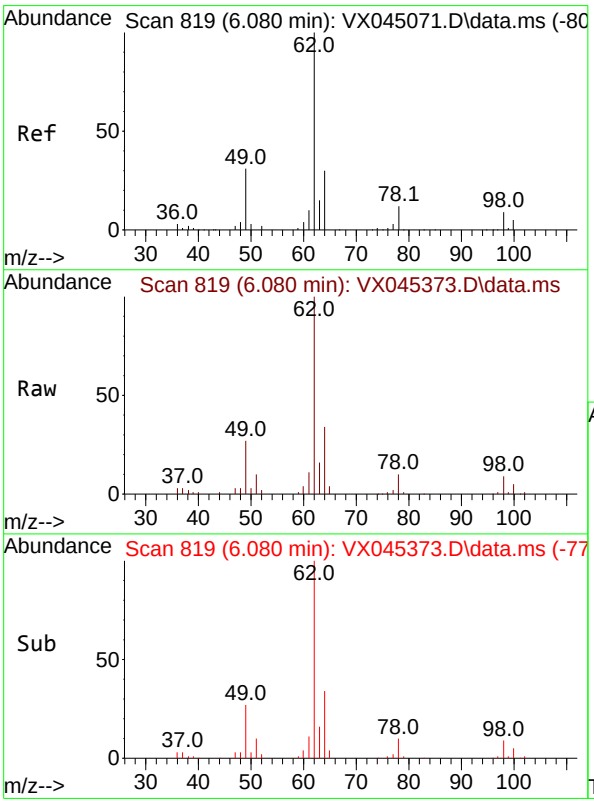
Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	66.5	53.9	80.9
52	29.8	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

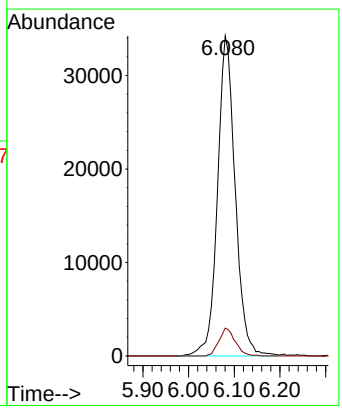
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

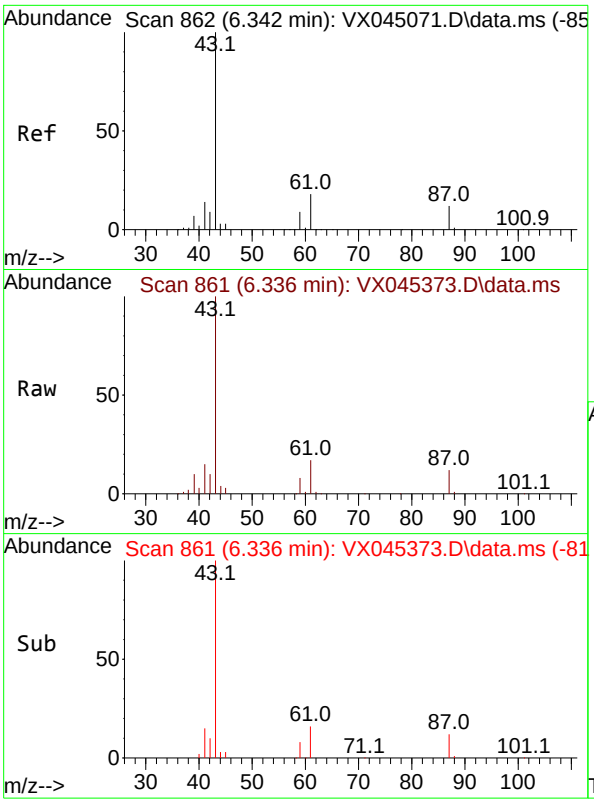


#42
1,2-Dichloroethane
Concen: 53.313 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 92126

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2

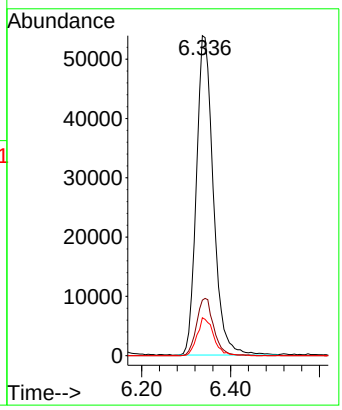




#43
Isopropyl Acetate
Concen: 49.361 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 14292

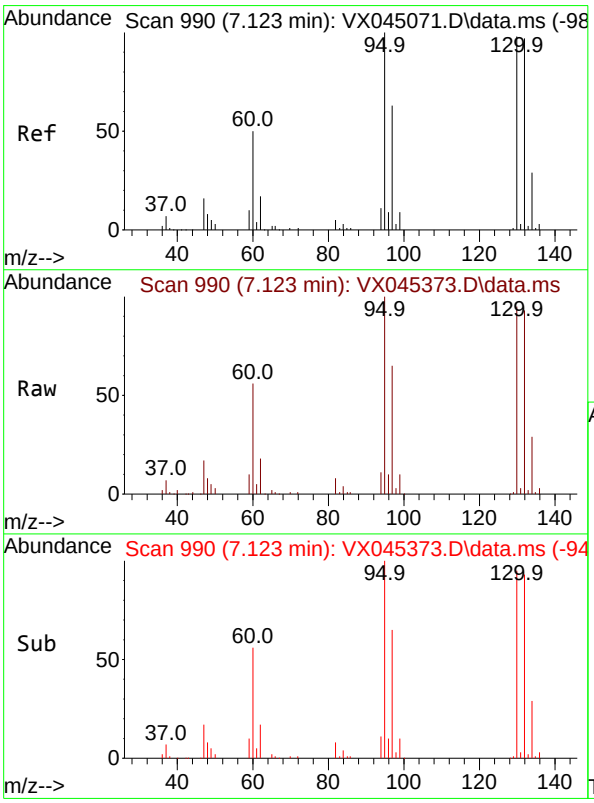
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

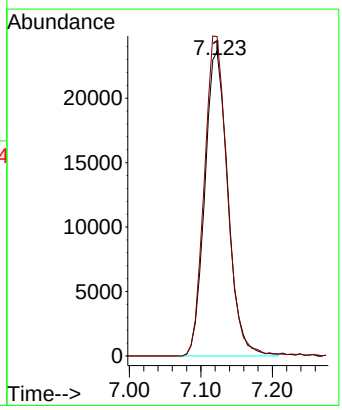
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

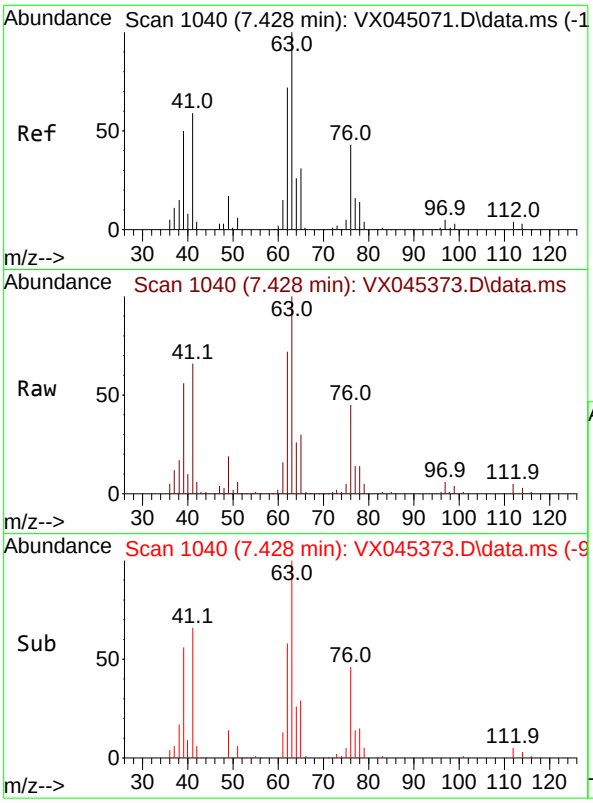


#44
Trichloroethene
Concen: 47.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:130 Resp: 53184

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	205.0

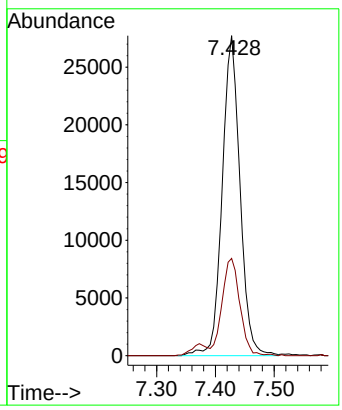




#45
1,2-Dichloropropane
Concen: 47.336 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 5840

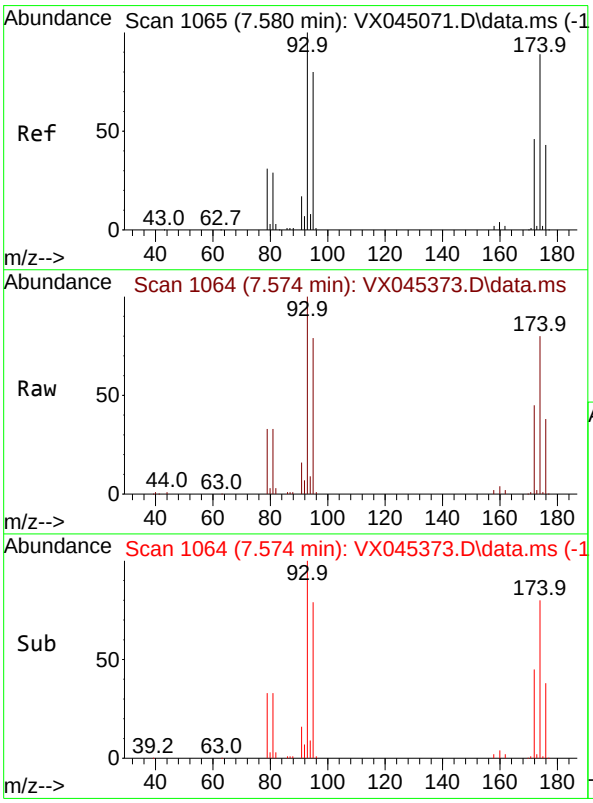
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

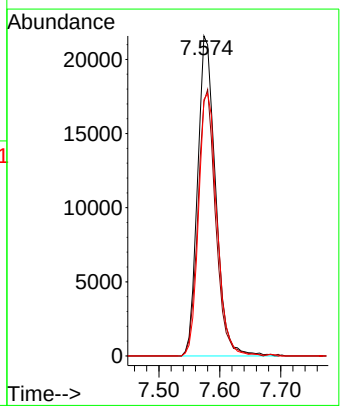
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

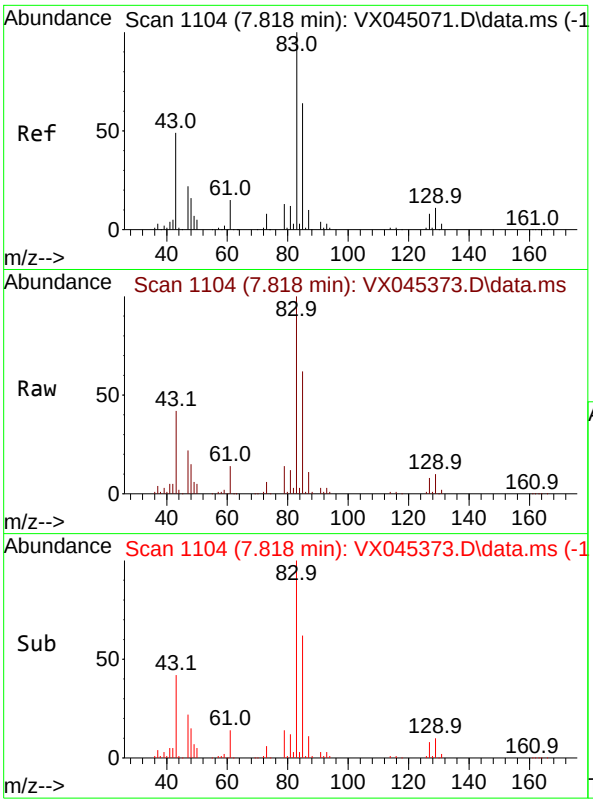


#46
Dibromomethane
Concen: 50.776 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 93 Resp: 44280

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.8
174	83.4	72.2	108.2

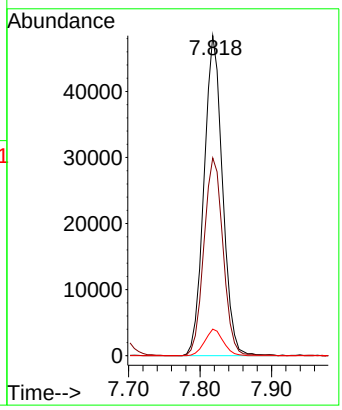




#47
Bromodichloromethane
Concen: 50.921 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 8710

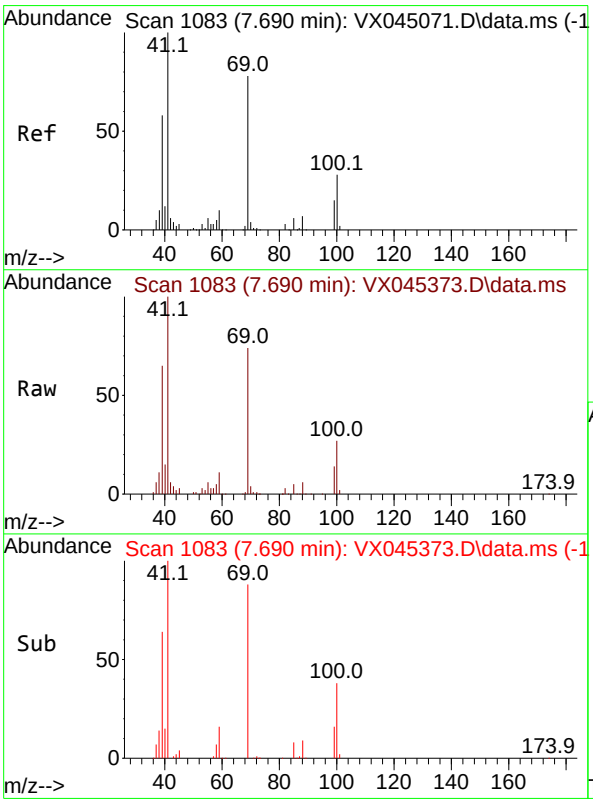
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

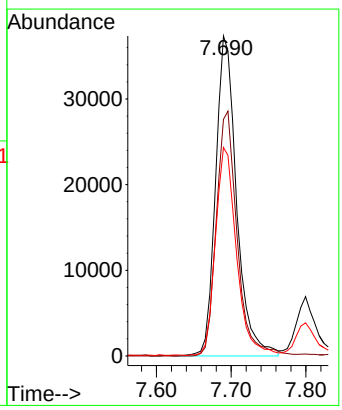
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

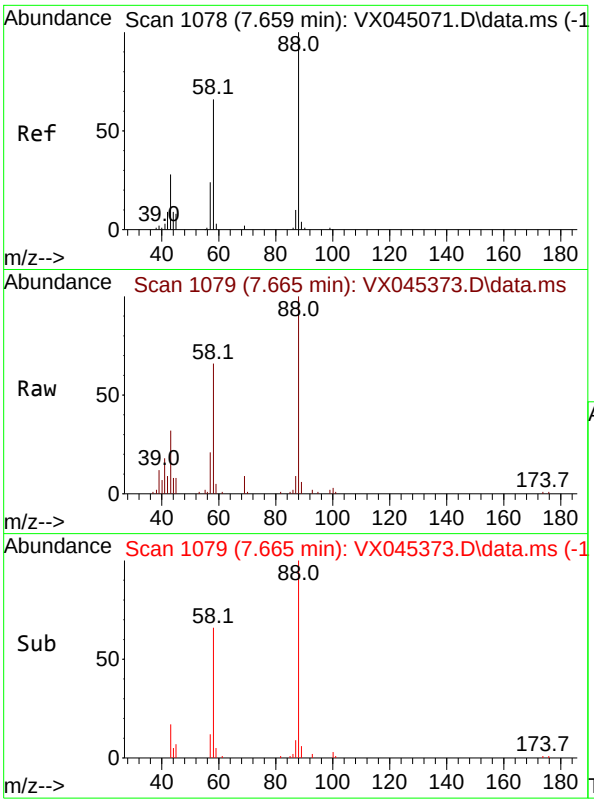


#48
Methyl methacrylate
Concen: 50.381 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 73187

Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.0	94.6
39	64.9	47.5	71.3





#49
1,4-Dioxane
Concen: 799.865 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

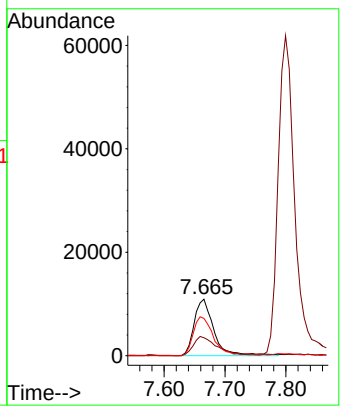
Tgt Ion: 88 Resp: 2451

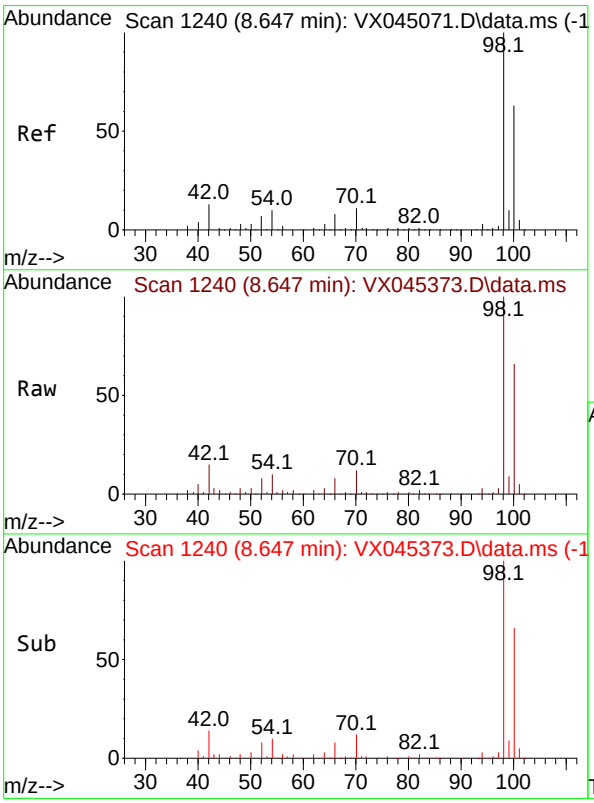
Ion	Ratio	Lower	Upper
88	100		
43	41.0	28.7	43.1
58	69.1	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

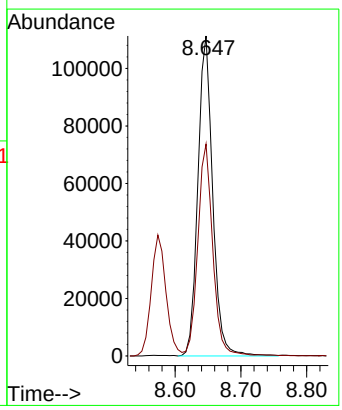


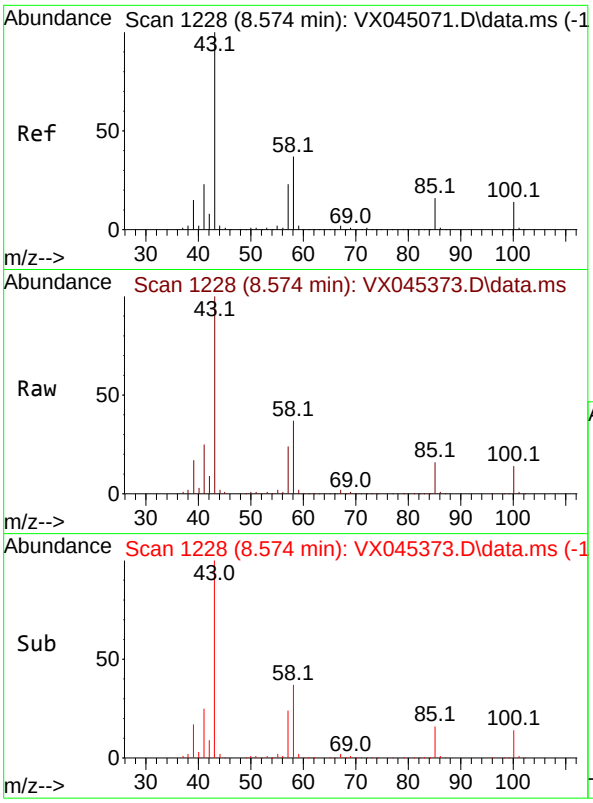


#50
Toluene-d8
Concen: 43.410 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 98 Resp: 174390

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.0	78.0

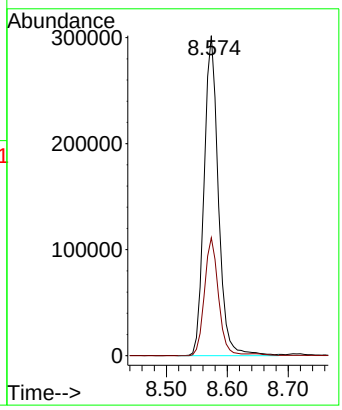




#51
4-Methyl-2-Pentanone
Concen: 252.898 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 49168

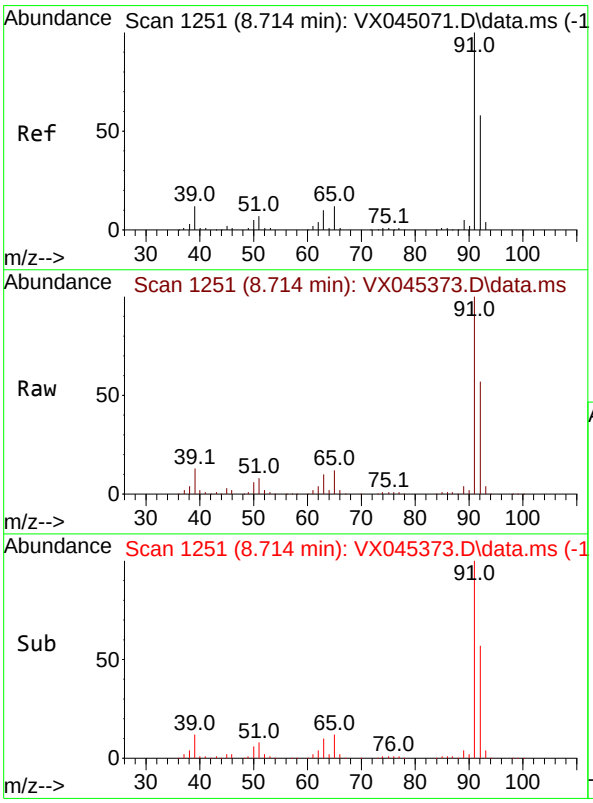
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

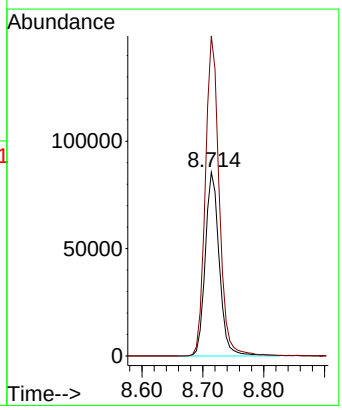
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

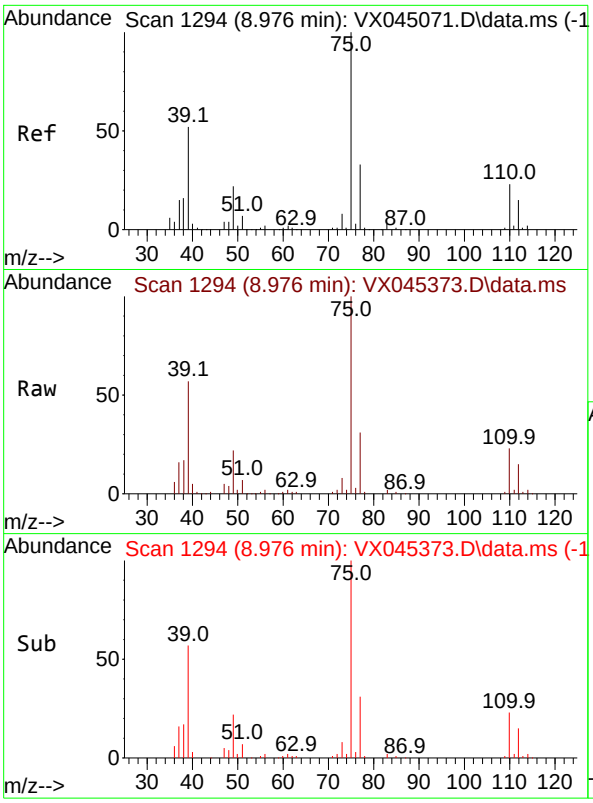


#52
Toluene
Concen: 48.708 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 92 Resp: 137136

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.9	208.3

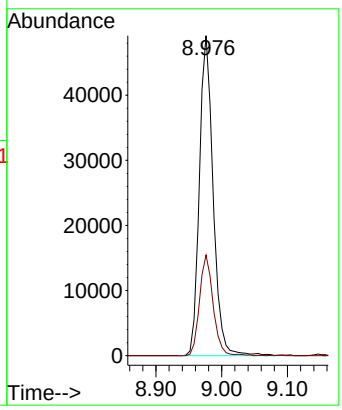




#53
t-1,3-Dichloropropene
Concen: 50.020 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 7152

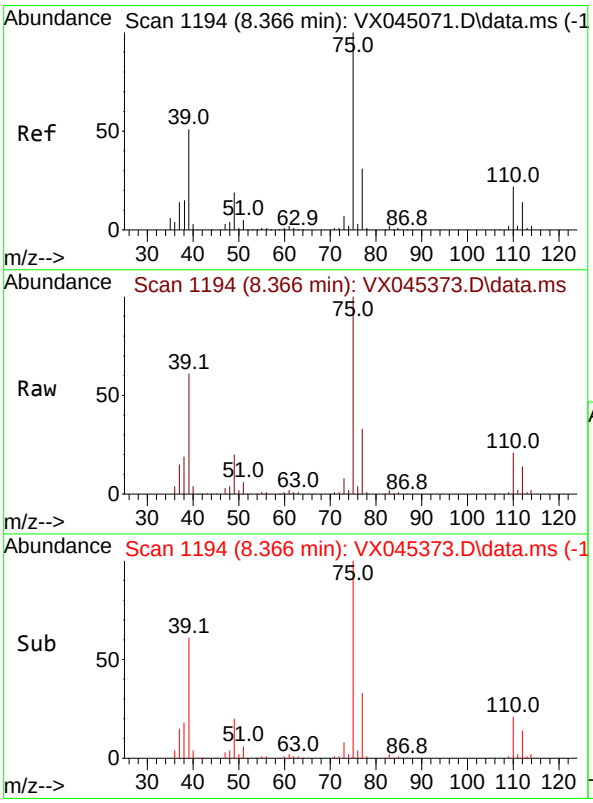
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

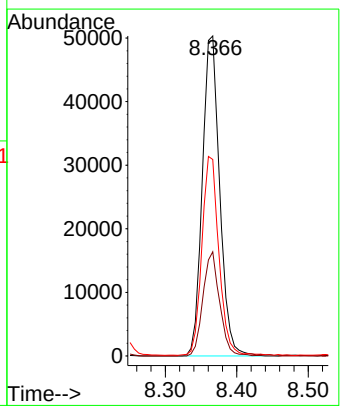
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

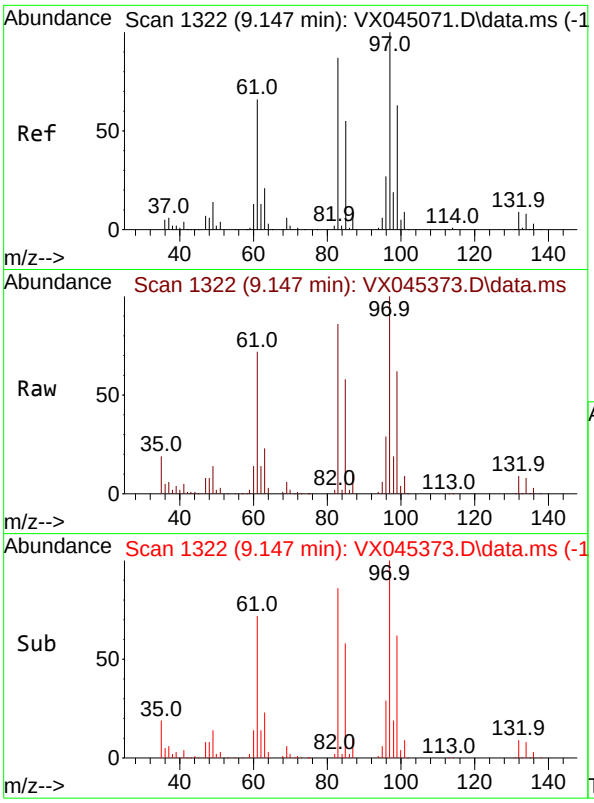


#54
cis-1,3-Dichloropropene
Concen: 50.990 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 85027

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.7	37.1
39	61.2	40.7	61.1#

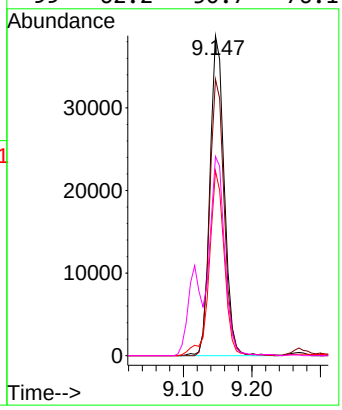




#55
1,1,2-Trichloroethane
Concen: 48.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 5642

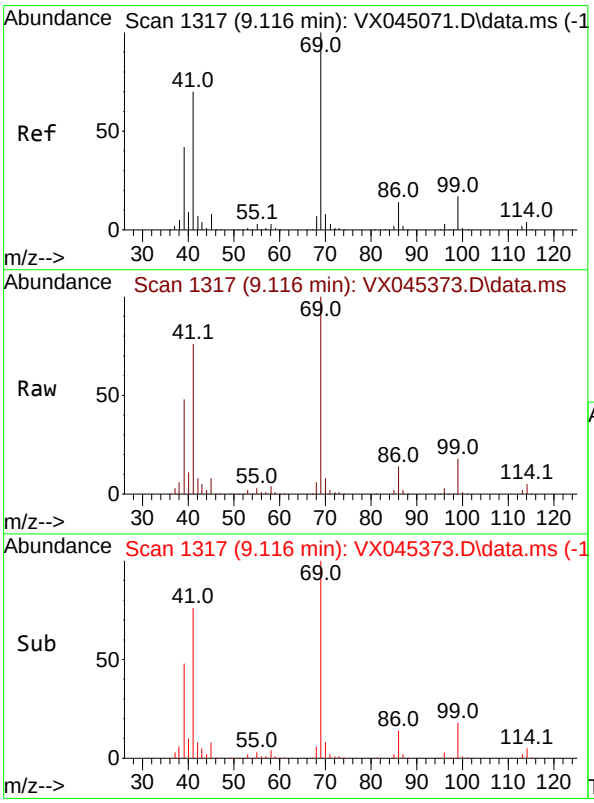
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	57.8	44.1	66.1
99	62.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

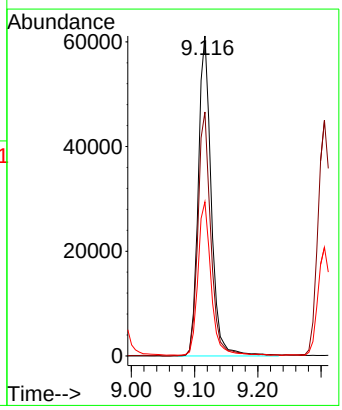
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

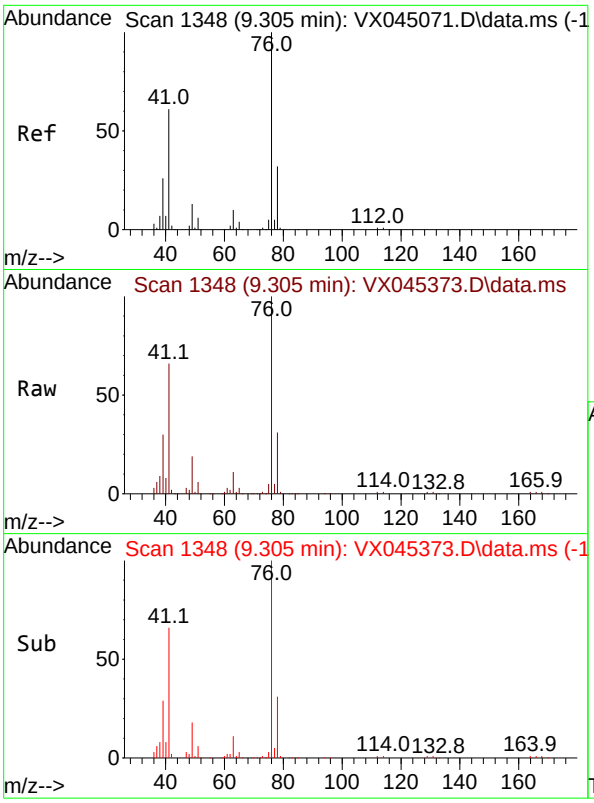


#56
Ethyl methacrylate
Concen: 49.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 69 Resp: 87573

Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.0	85.4
39	48.1	34.2	51.4

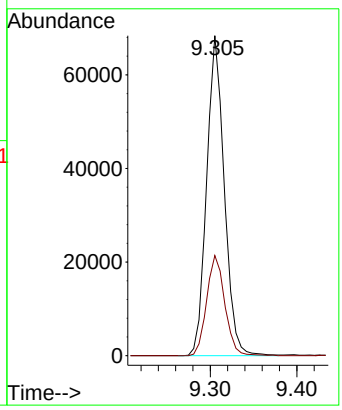




#57
1,3-Dichloropropane
Concen: 48.163 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 76 Resp: 9660

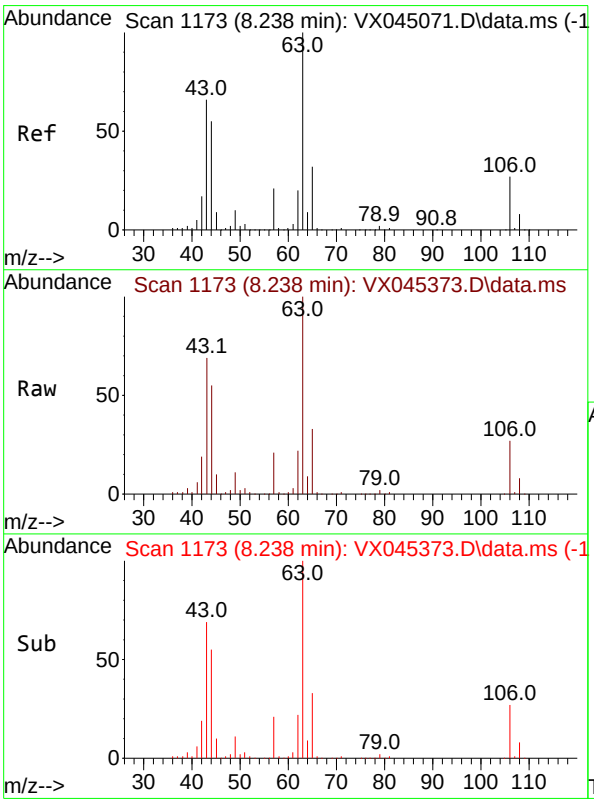
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

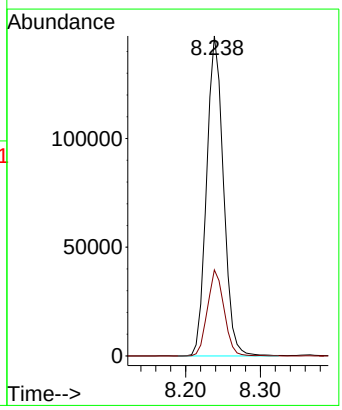
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

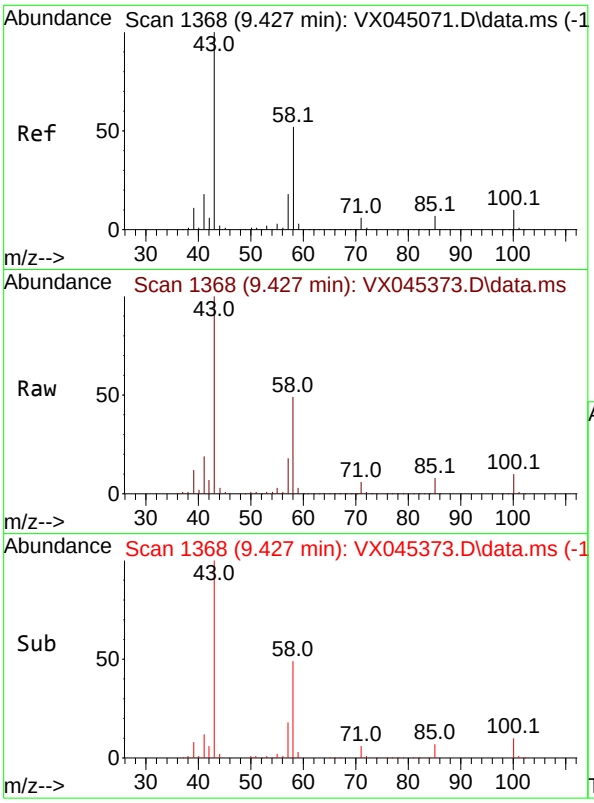


#58
2-Chloroethyl Vinyl ether
Concen: 268.242 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 230541

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

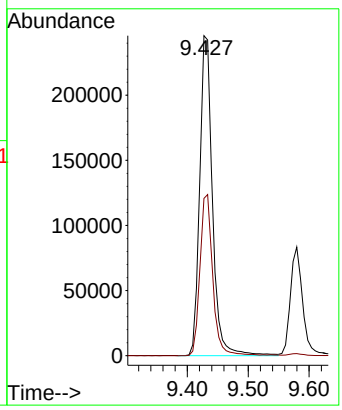




#59
2-Hexanone
Concen: 254.850 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 35899

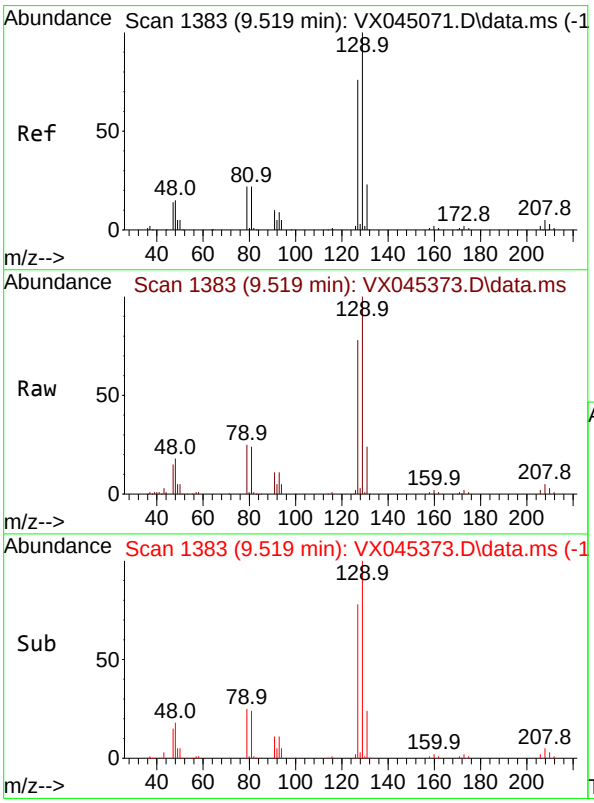
Ion	Ratio	Lower	Upper
43	100		
58	50.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

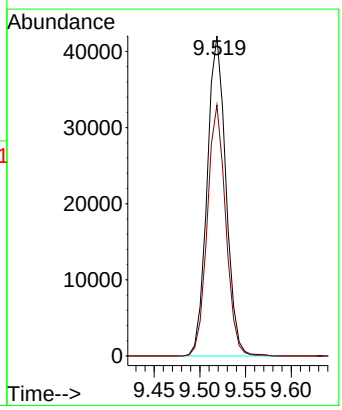
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

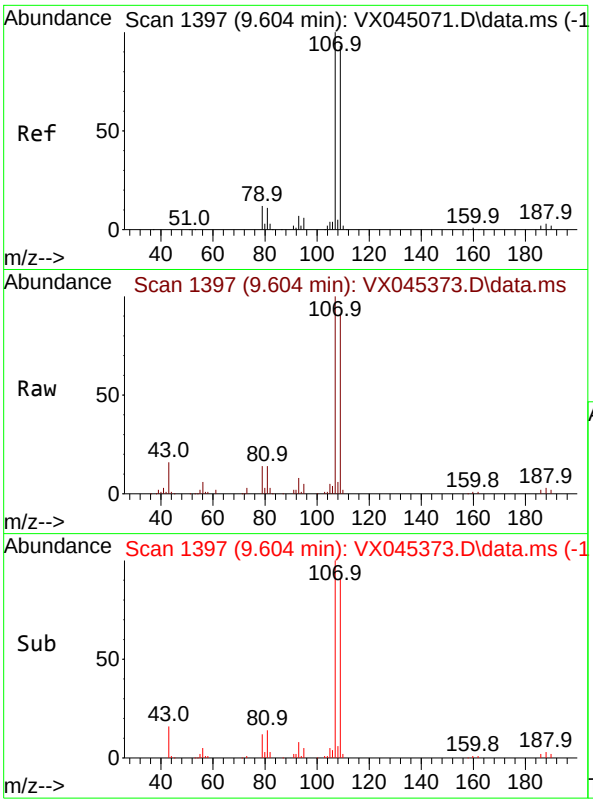


#60
Dibromochloromethane
Concen: 49.346 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:129 Resp: 59803

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5

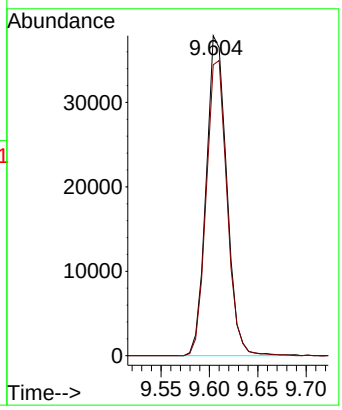




#61
1,2-Dibromoethane
Concen: 48.470 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:107 Resp: 5608

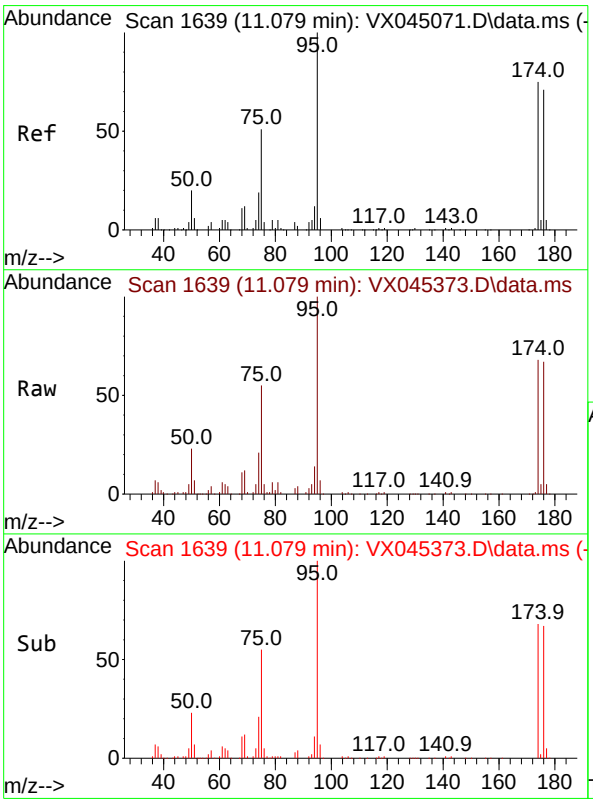
Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

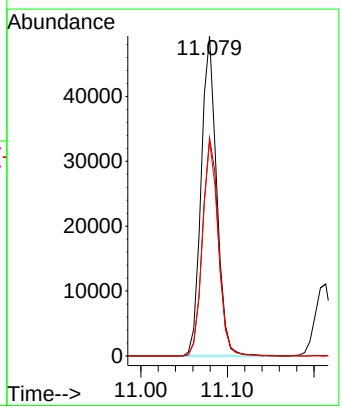
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

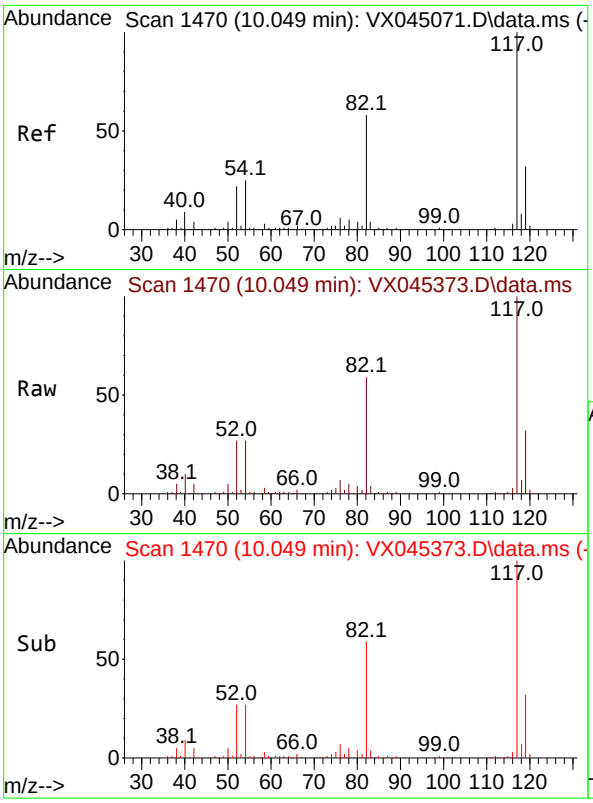


#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 95 Resp: 61298

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	68.5	0.0	141.4

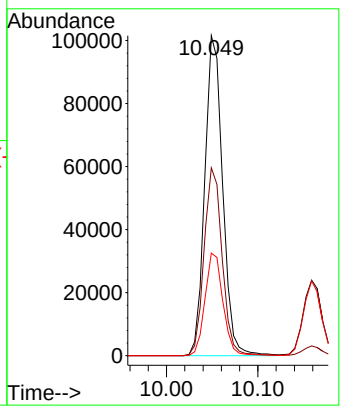




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 13768

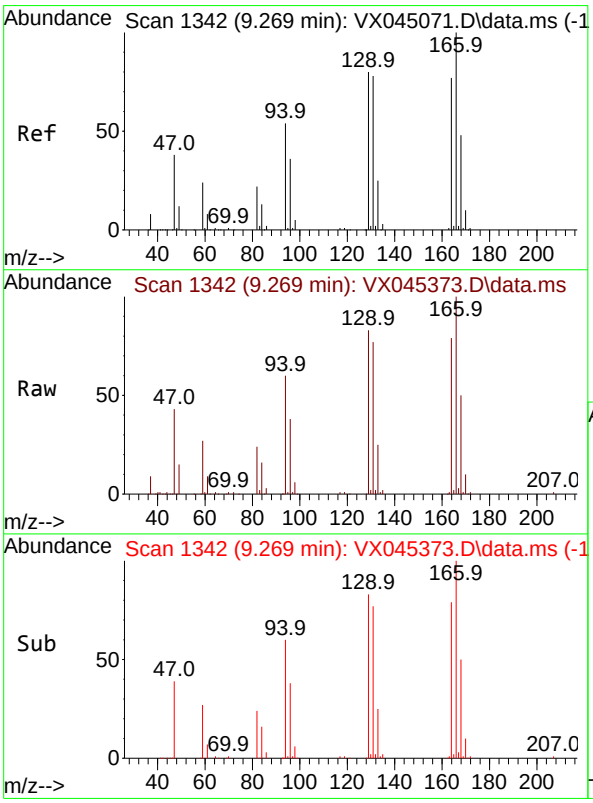
Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

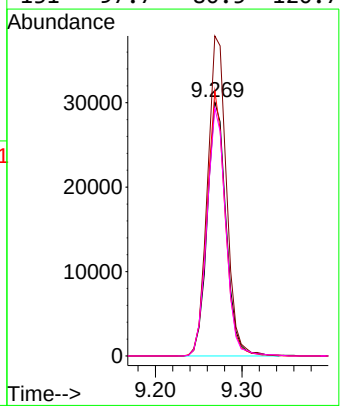
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

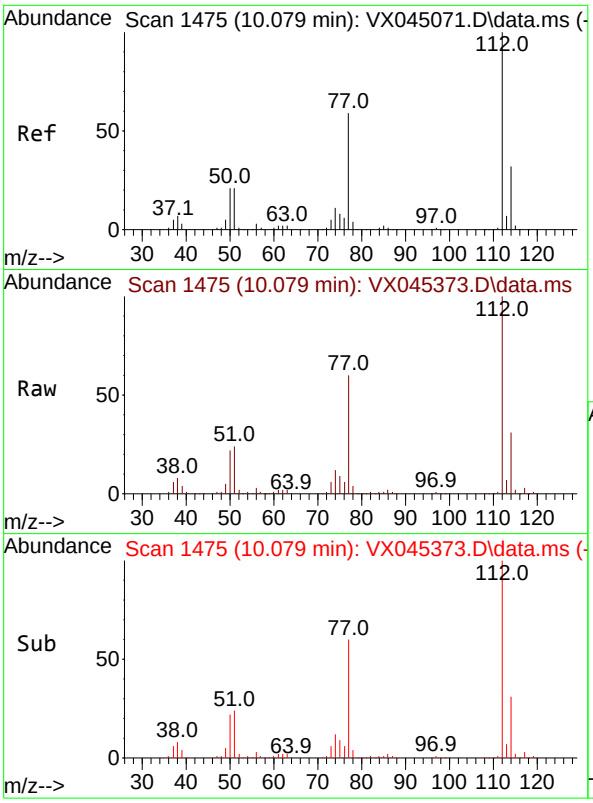


#64
Tetrachloroethene
Concen: 51.351 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:164 Resp: 45283

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	104.4	82.7	124.1
131	97.7	80.5	120.7

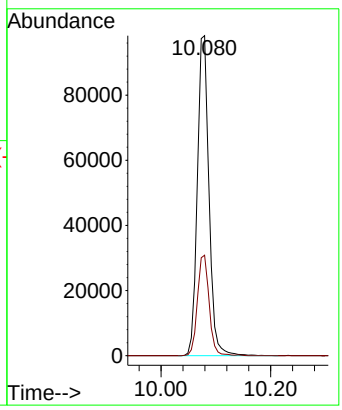




#65
Chlorobenzene
Concen: 49.767 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:112 Resp: 14499

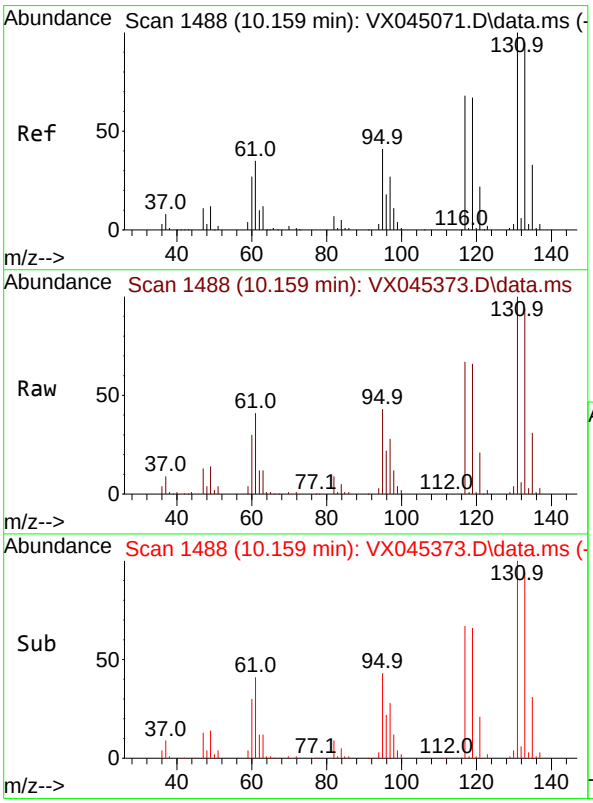
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

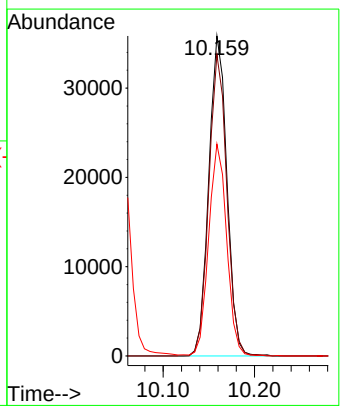
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

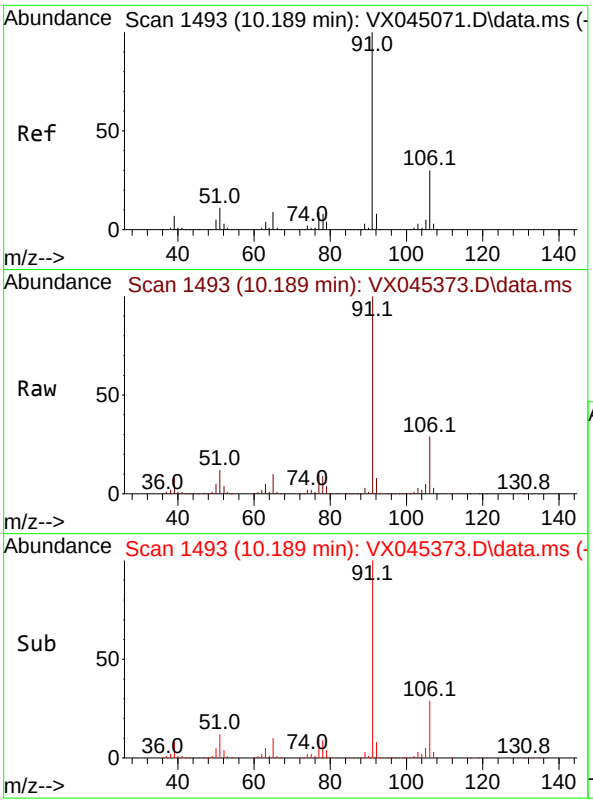


#66
1,1,1,2-Tetrachloroethane
Concen: 50.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:131 Resp: 49330

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 51.160 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

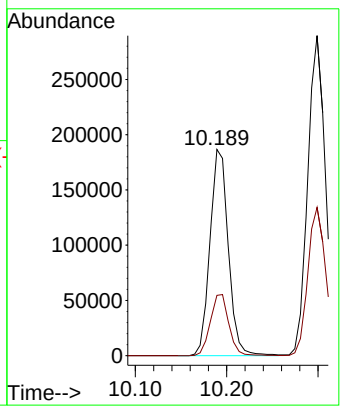
Tgt Ion: 91 Resp: 25971

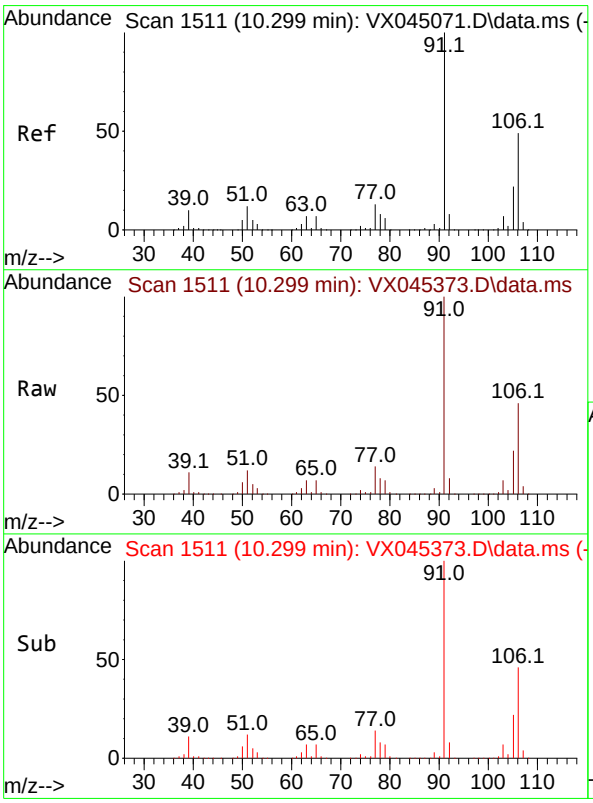
Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

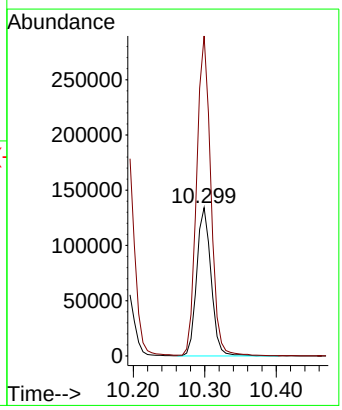


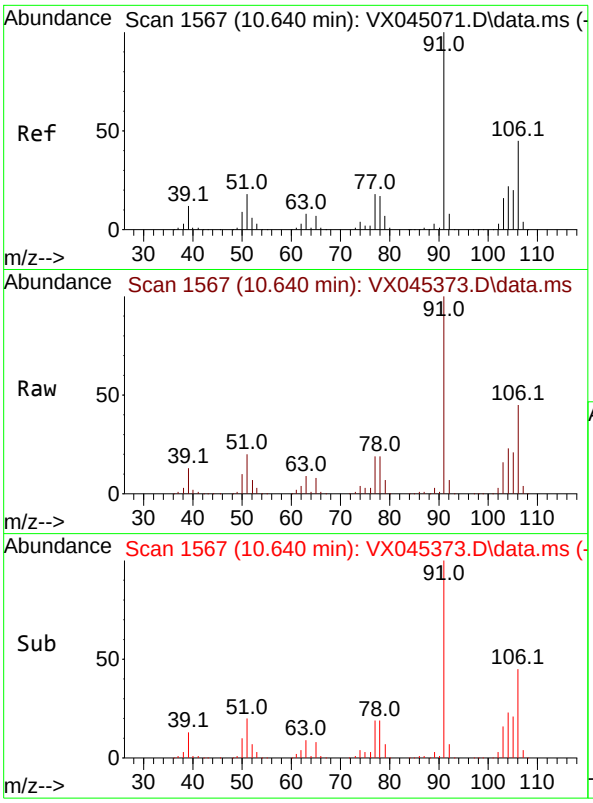


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 186973

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0

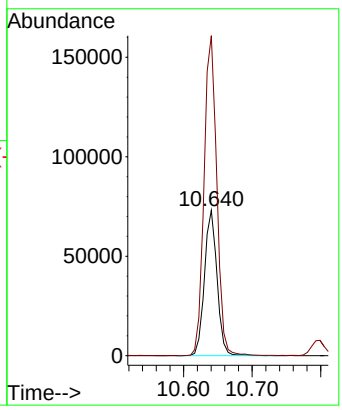




#69
o-Xylene
Concen: 49.785 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 9331

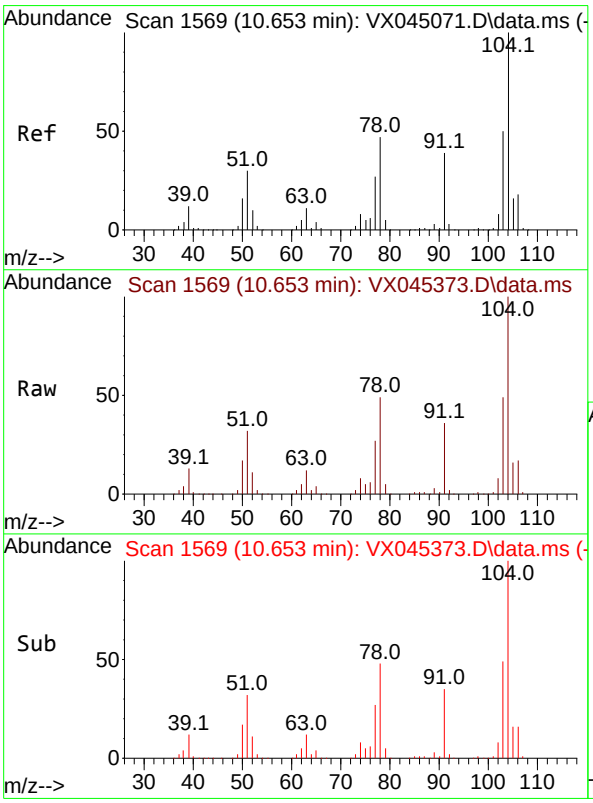
Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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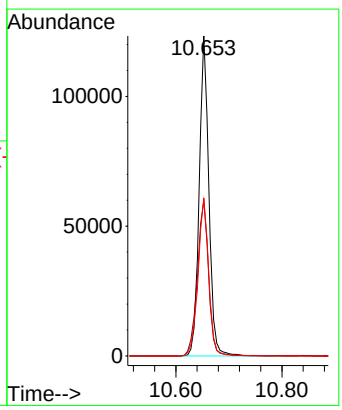
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

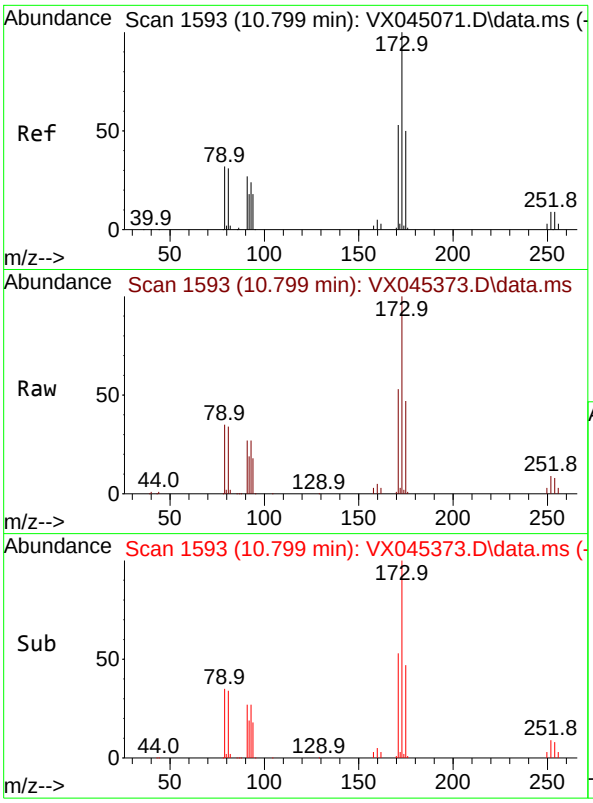


#70
Styrene
Concen: 51.533 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:104 Resp: 156285

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.2	63.4
103	54.6	43.8	65.8

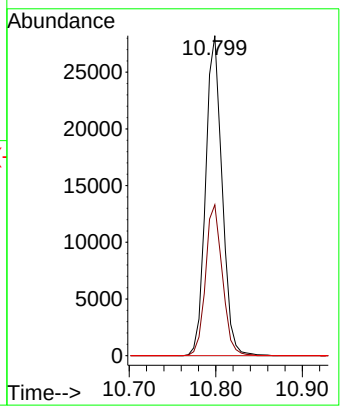




#71
Bromoform
Concen: 51.008 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

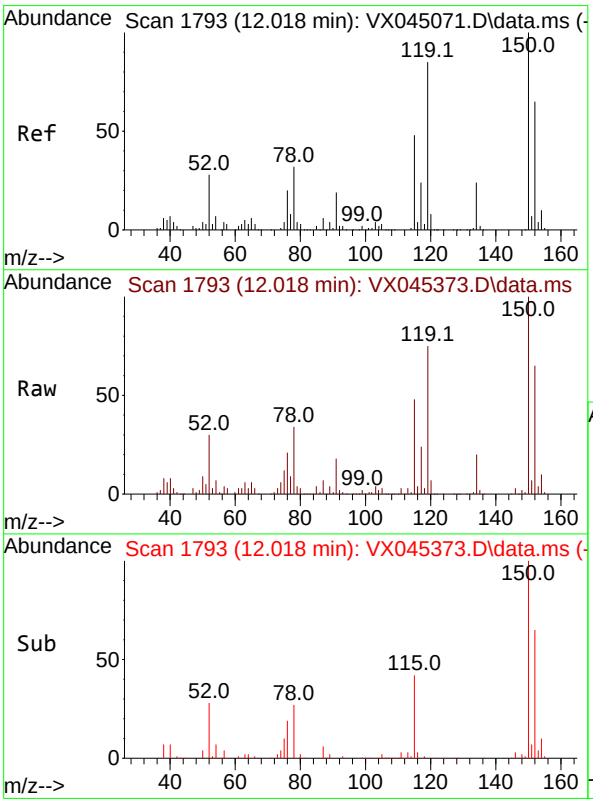
Tgt Ion:173 Resp: 3732

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

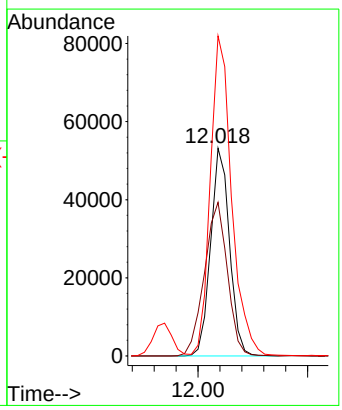
Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

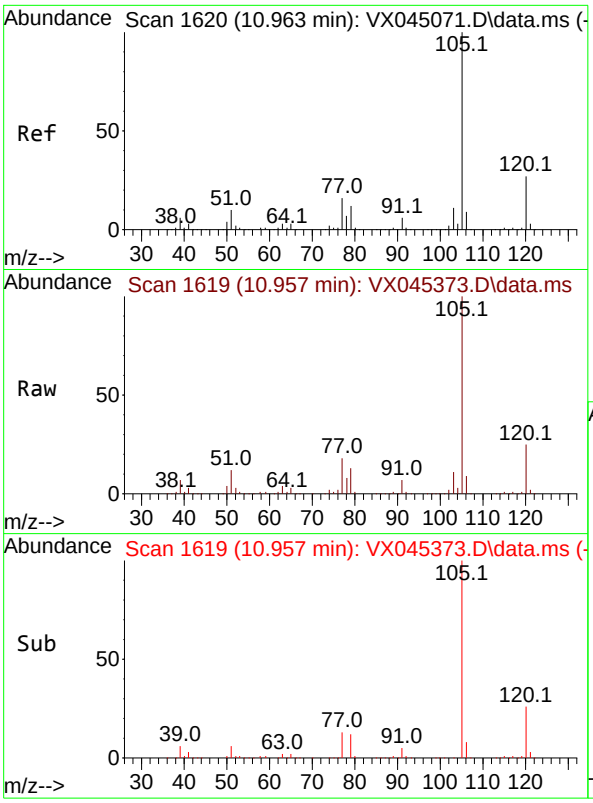


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:152 Resp: 63601

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.9	0.0	349.0

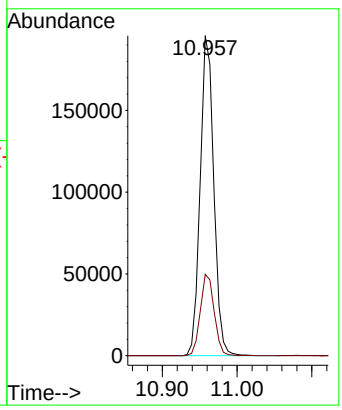




#73
Isopropylbenzene
Concen: 49.801 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 24722

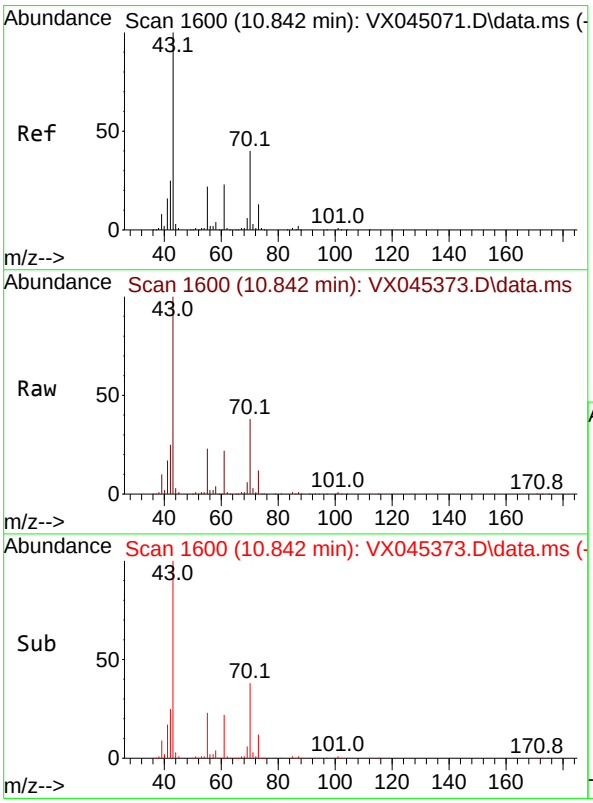
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

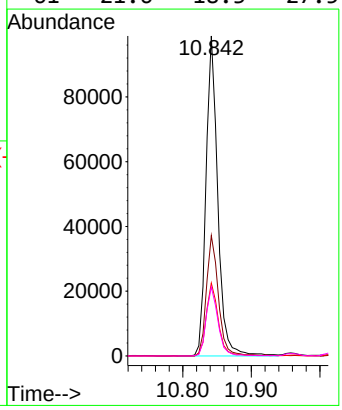
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

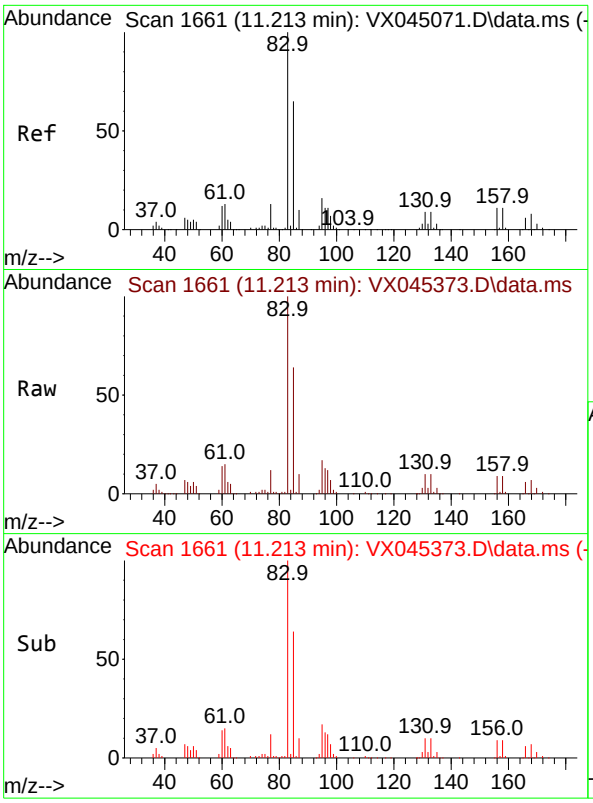


#74
N-amyl acetate
Concen: 50.753 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 118224

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.6	18.3	27.5
61	21.6	18.3	27.5

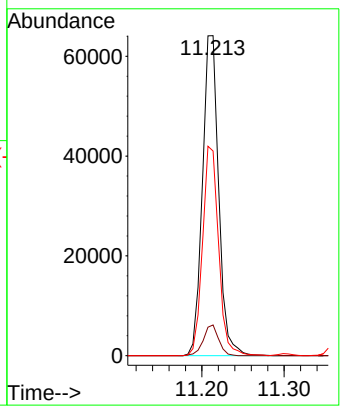




#75
1,1,2,2-Tetrachloroethane
Concen: 48.314 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 8801

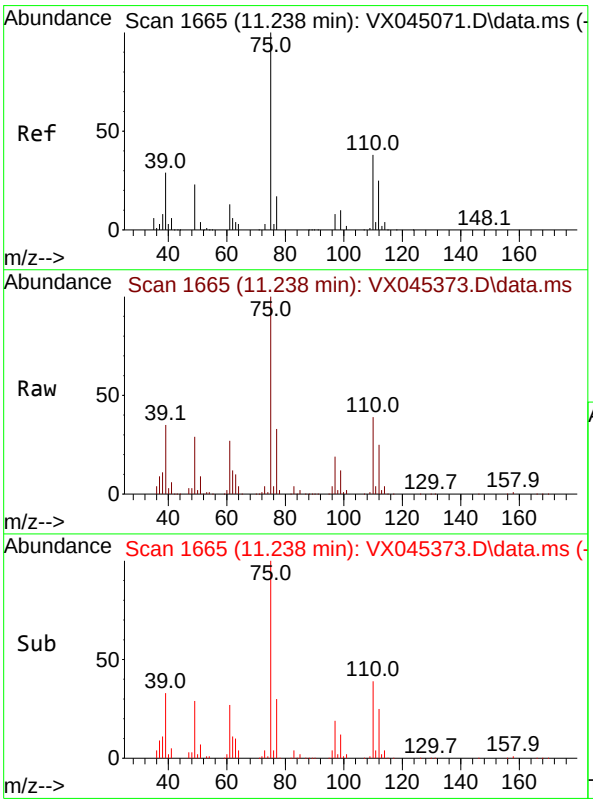
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

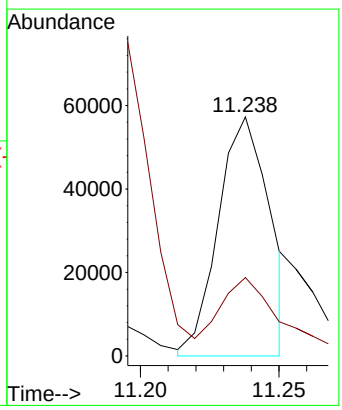
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

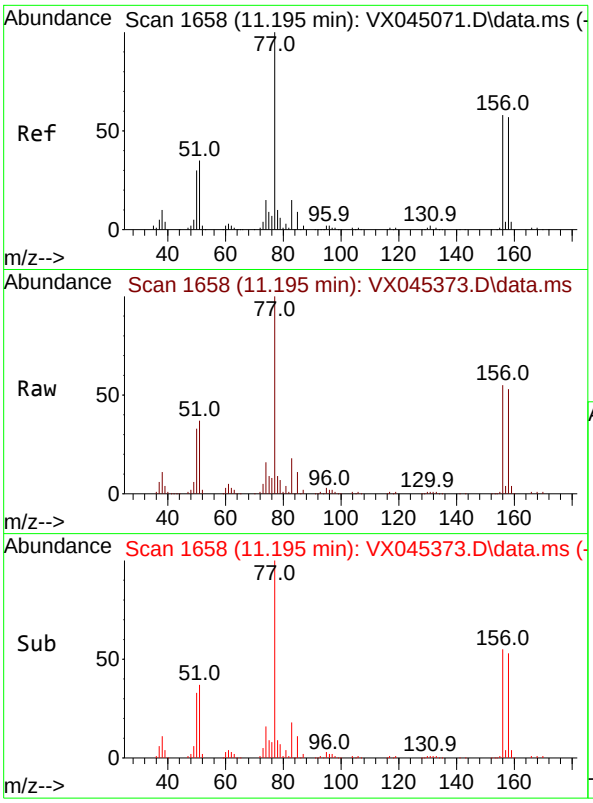


#76
1,2,3-Trichloropropane
Concen: 49.810 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 73735

Ion	Ratio	Lower	Upper
75	100		
77	39.7	20.7	62.1

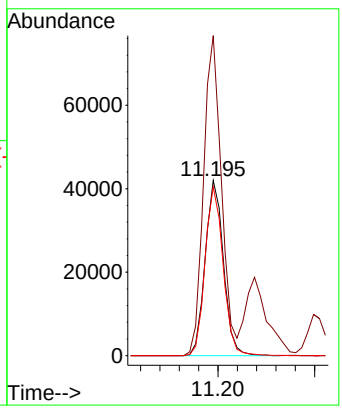




#77
Bromobenzene
Concen: 47.066 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:156 Resp: 5512

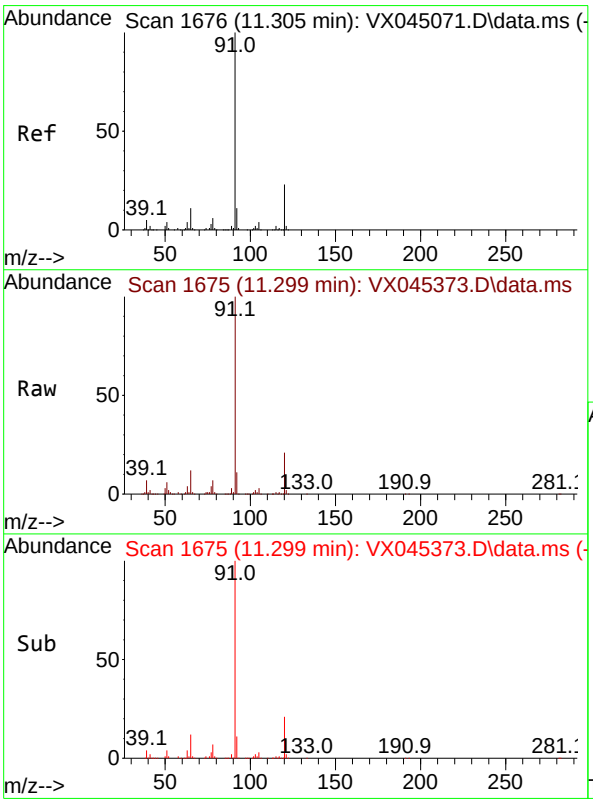
Ion	Ratio	Lower	Upper
156	100		
77	178.9	85.8	257.4
158	95.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

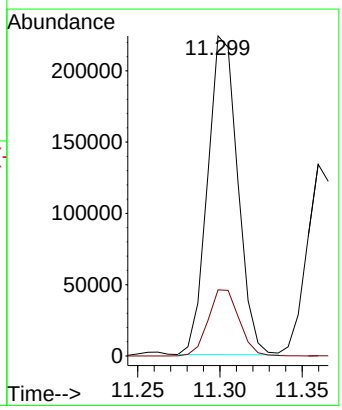
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

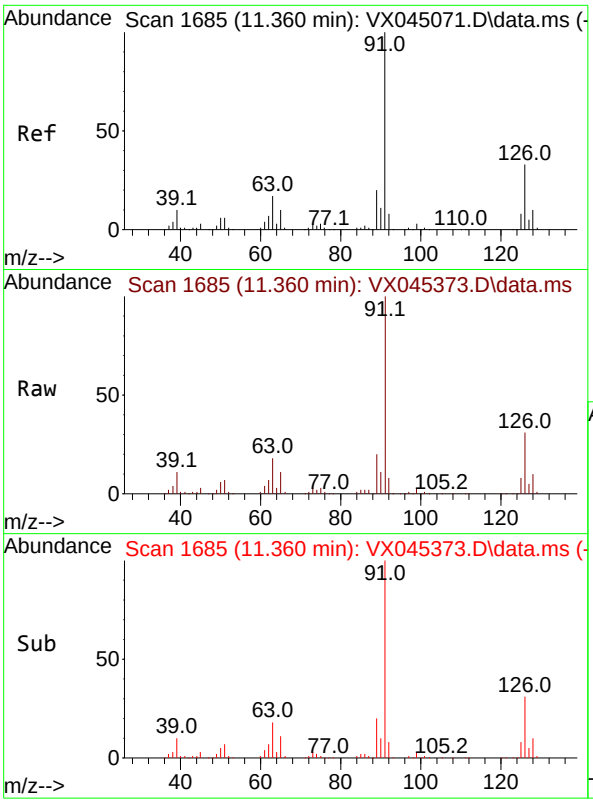


#78
n-propylbenzene
Concen: 50.665 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 284120

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6

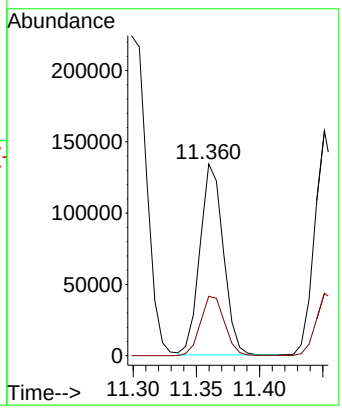




#79
2-Chlorotoluene
Concen: 48.292 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 17247

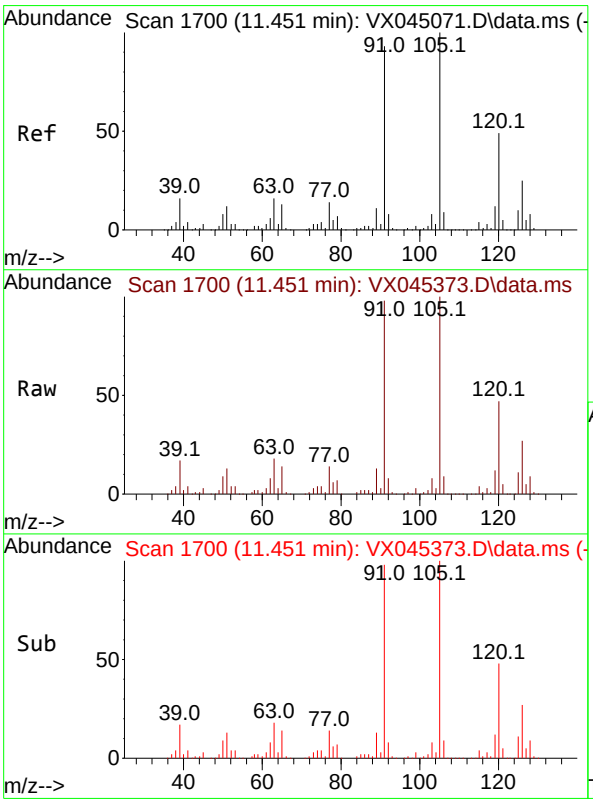
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

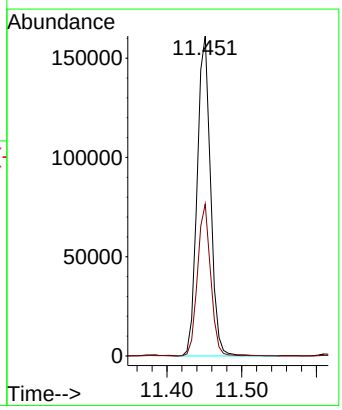
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

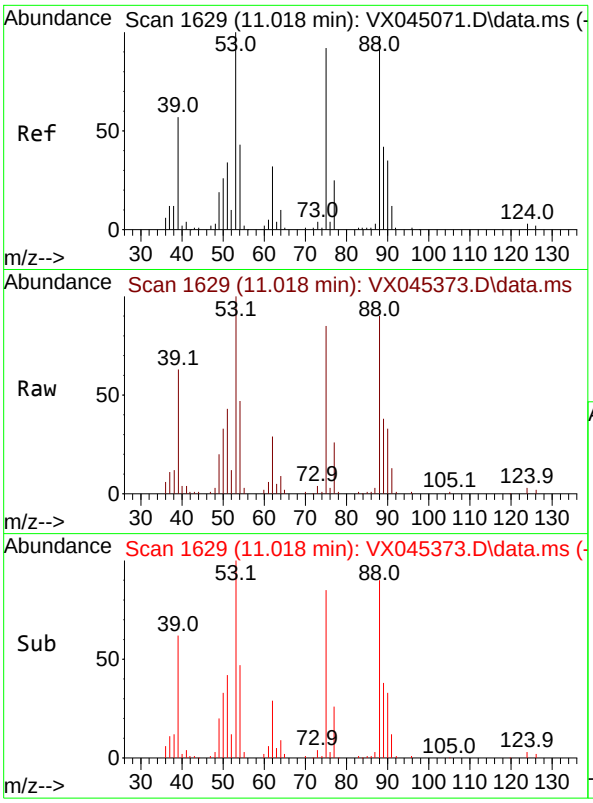


#80
1,3,5-Trimethylbenzene
Concen: 49.907 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 200325

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2

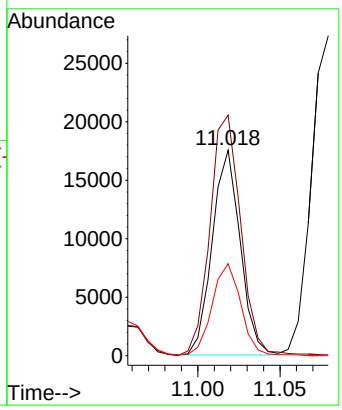




#81
trans-1,4-Dichloro-2-butene
Concen: 47.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 2071

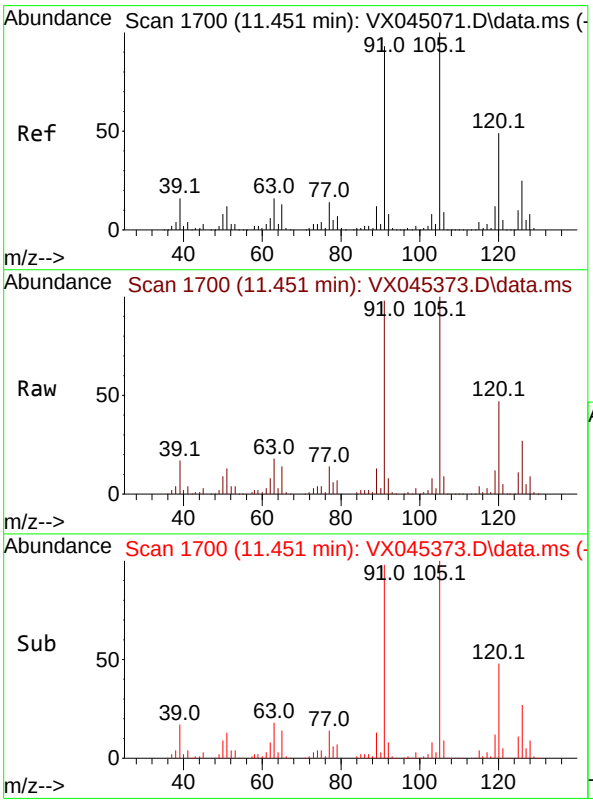
Ion	Ratio	Lower	Upper
75	100		
53	129.9	88.5	132.7
89	46.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

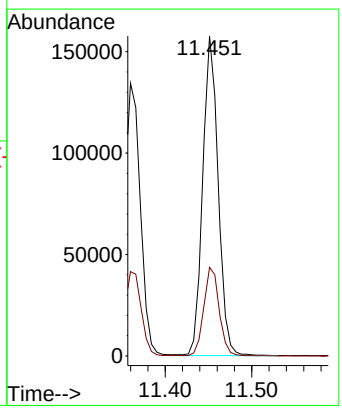
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

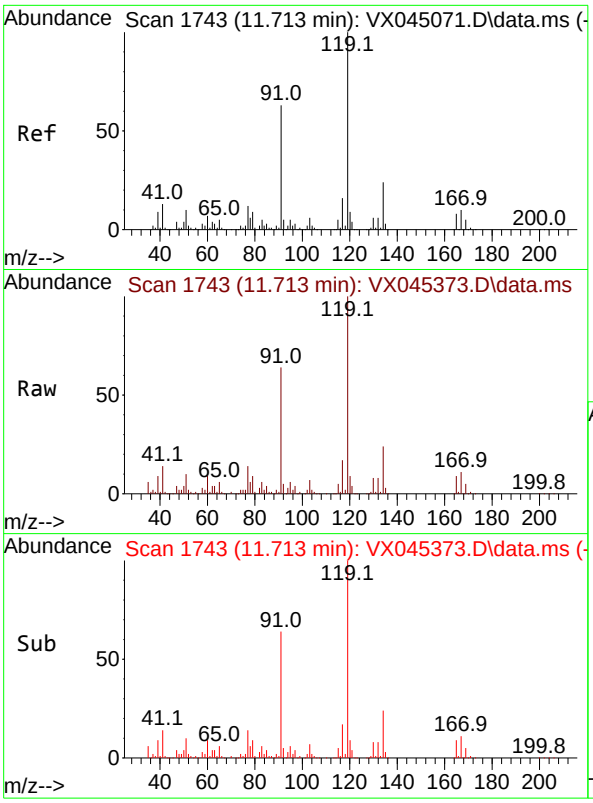


#82
4-Chlorotoluene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 195160

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

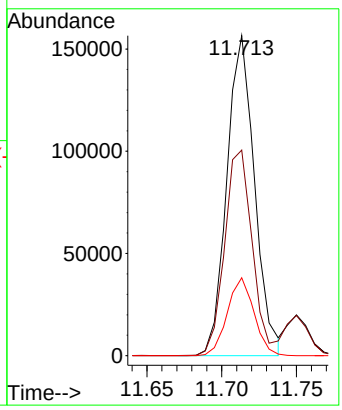




#83
tert-Butylbenzene
Concen: 48.993 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 20206

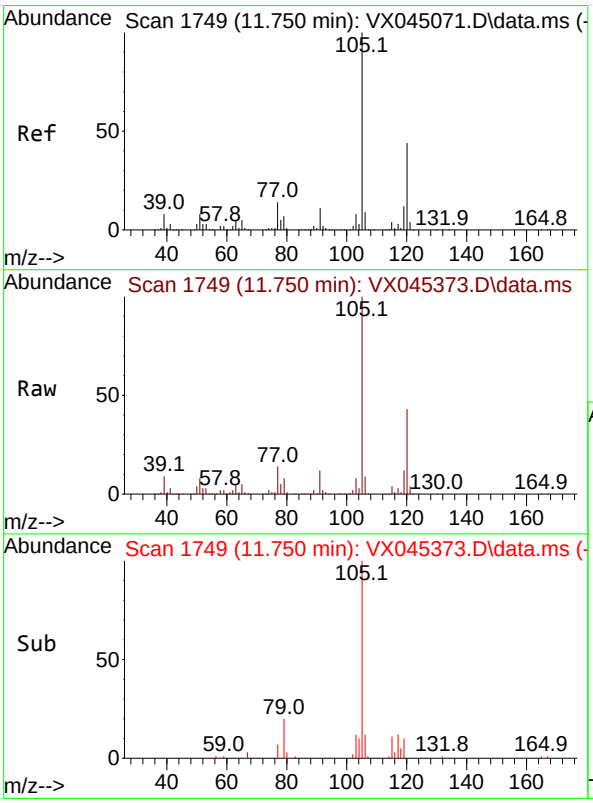
Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

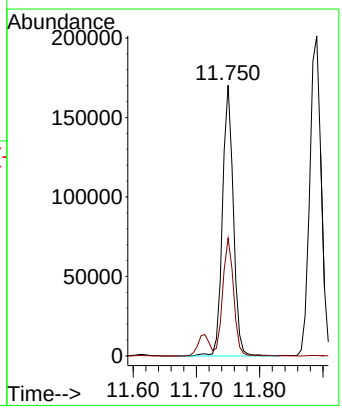
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

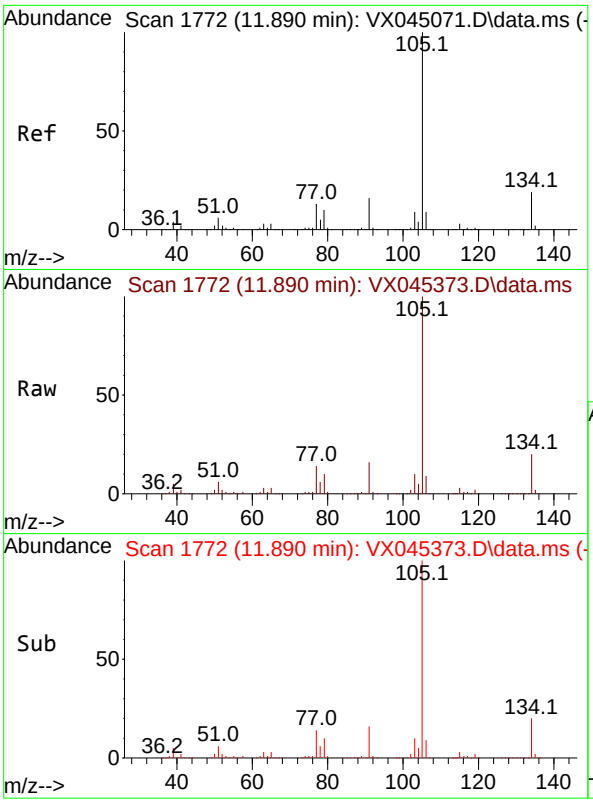


#84
1,2,4-Trimethylbenzene
Concen: 49.993 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 201914

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

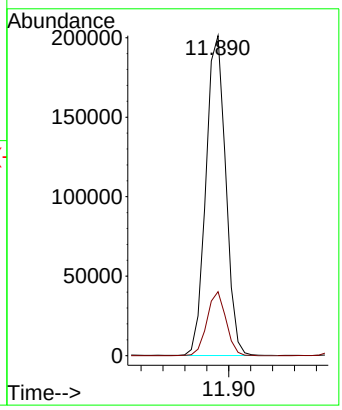




#85
sec-Butylbenzene
Concen: 51.032 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 25211

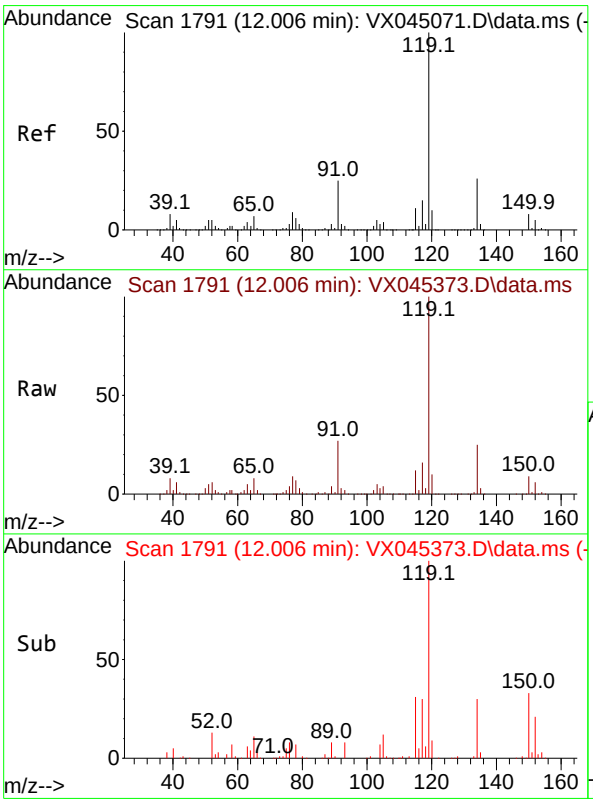
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

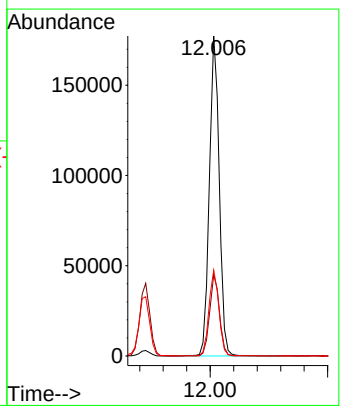
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

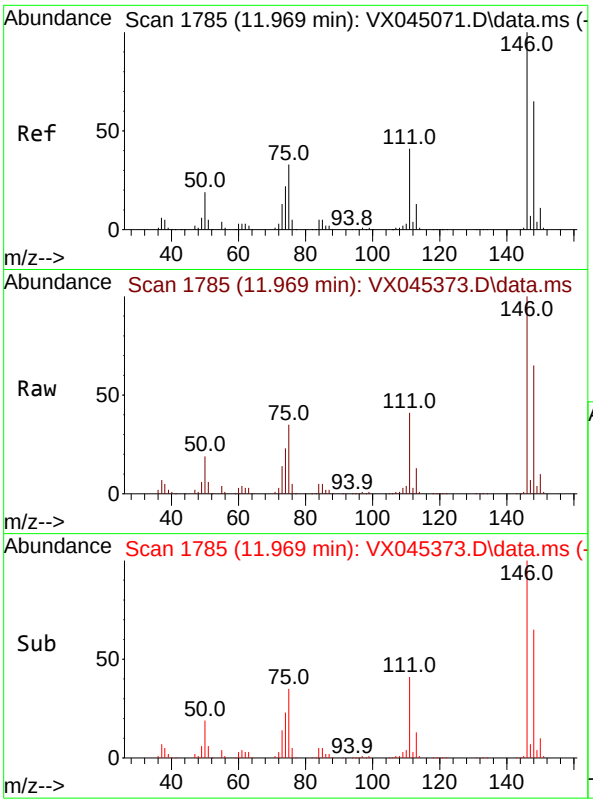


#86
p-Isopropyltoluene
Concen: 51.877 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 207118

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.0	12.7	38.0

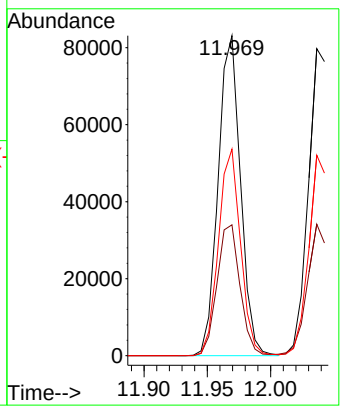




#87
1,3-Dichlorobenzene
Concen: 48.793 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 10195

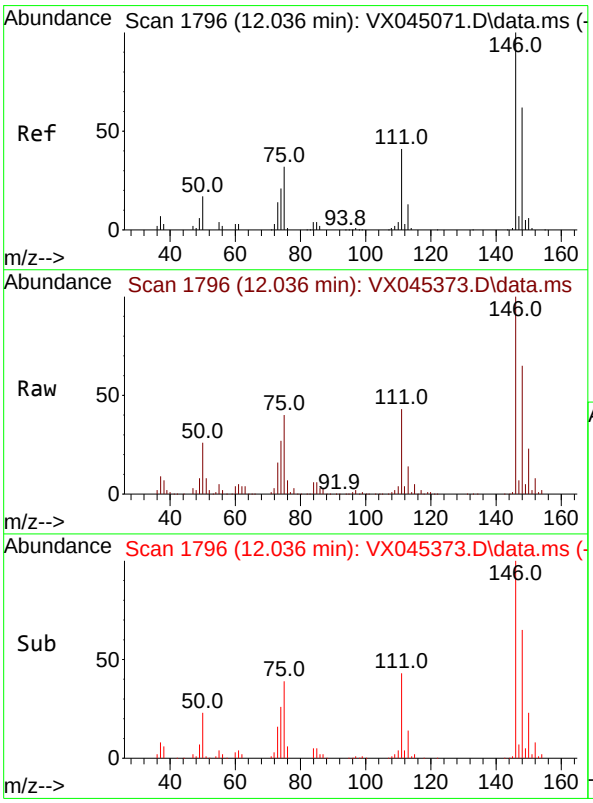
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

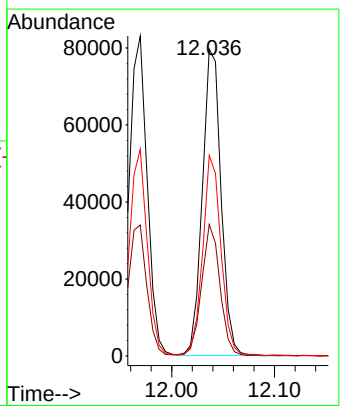
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

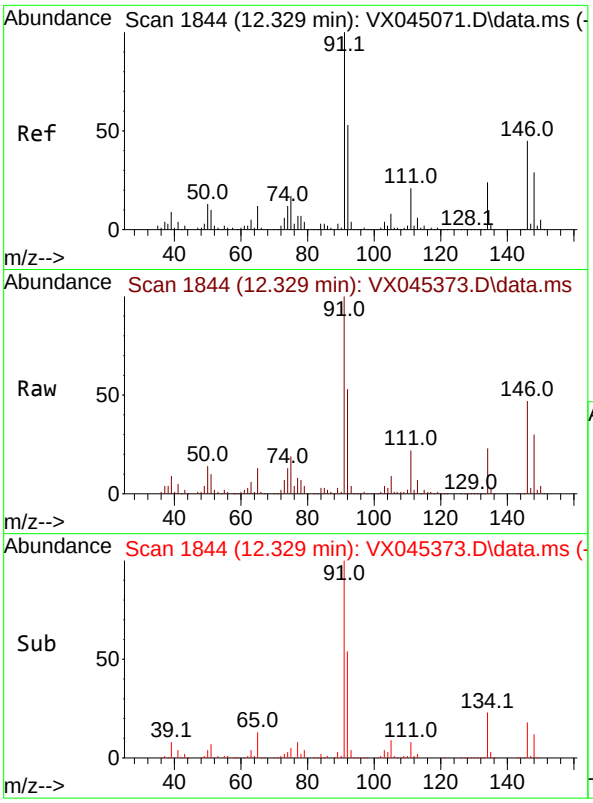


#88
1,4-Dichlorobenzene
Concen: 47.591 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 100604

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.2	60.5
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 53.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

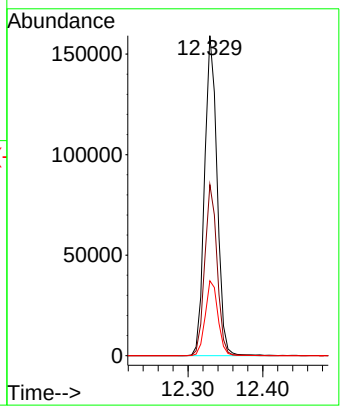
Tgt Ion: 91 Resp: 18540

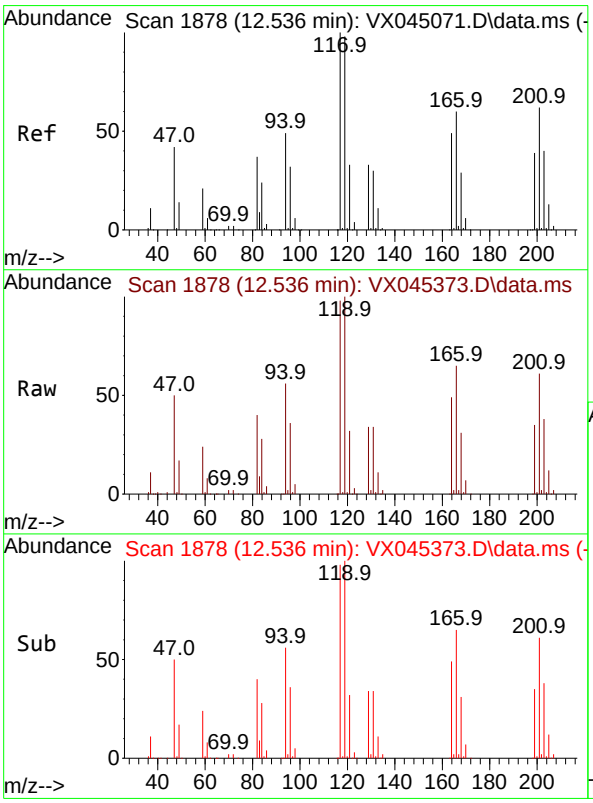
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.8	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

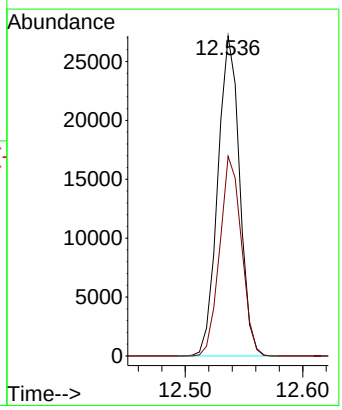


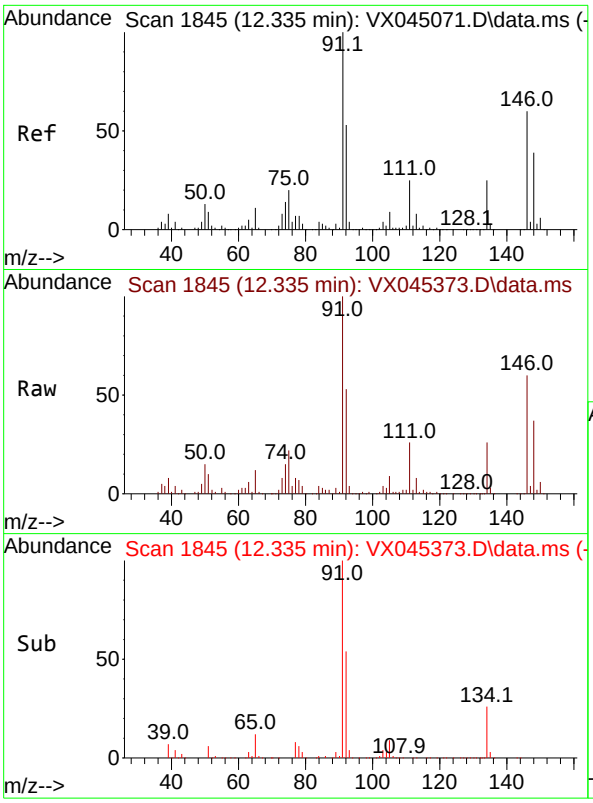


#90
Hexachloroethane
Concen: 48.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 34950

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9

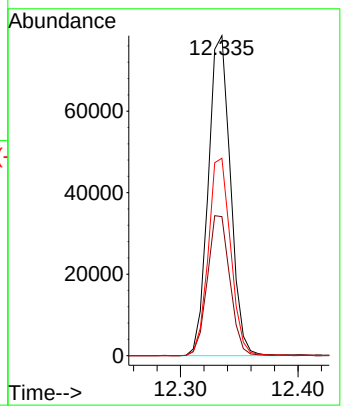




#91
1,2-Dichlorobenzene
Concen: 49.014 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 10273

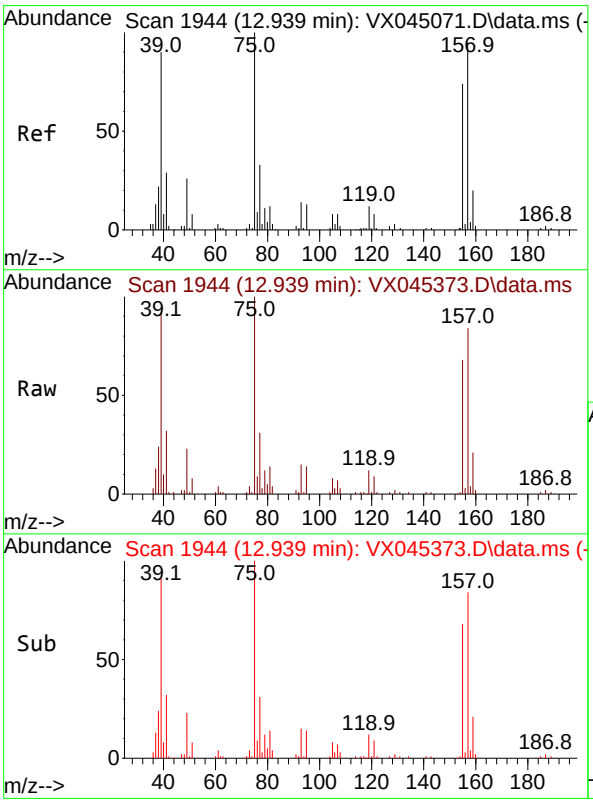
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	65.0
148	62.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

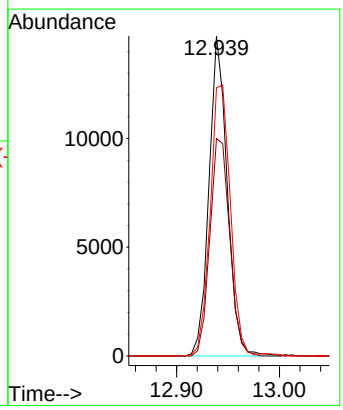
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

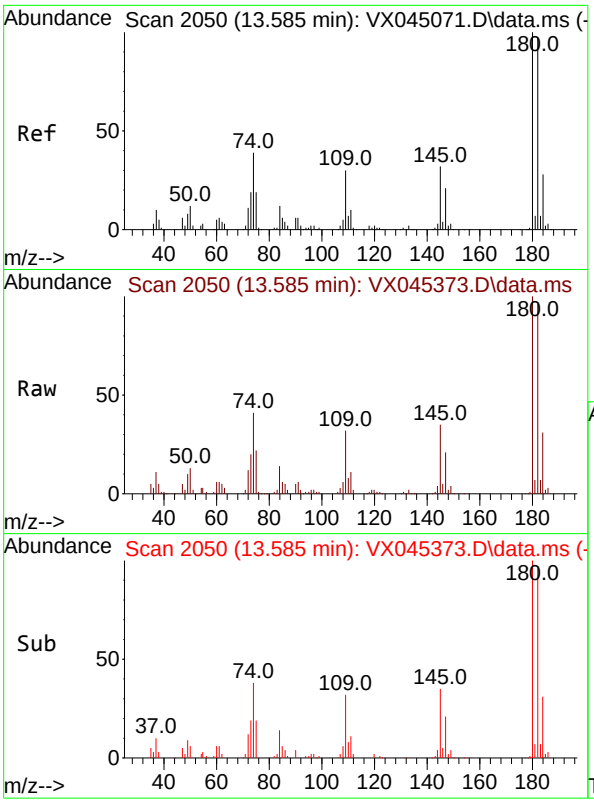


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.178 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 18163

Ion	Ratio	Lower	Upper
75	100		
155	73.7	39.6	118.7
157	93.8	51.1	153.4

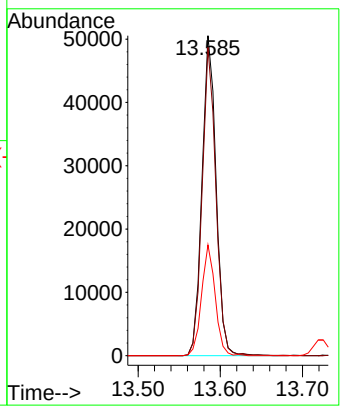




#93
1,2,4-Trichlorobenzene
Concen: 50.478 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 6024

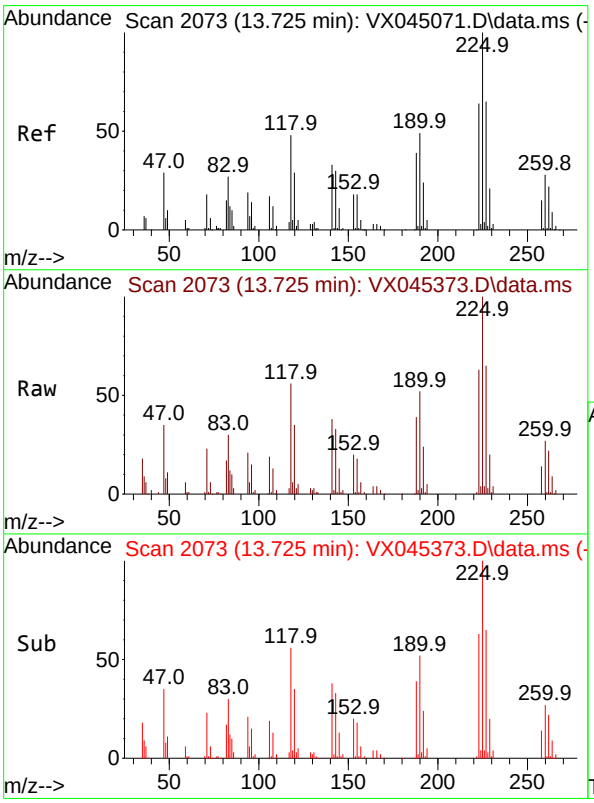
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

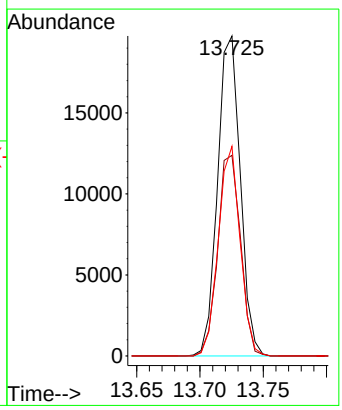
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

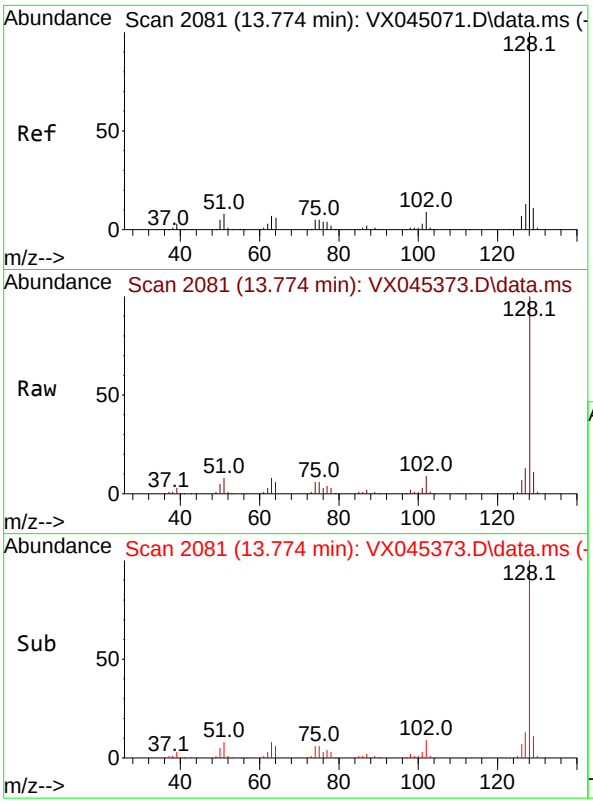


#94
Hexachlorobutadiene
Concen: 50.254 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:225 Resp: 24590

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.9	31.4	94.0

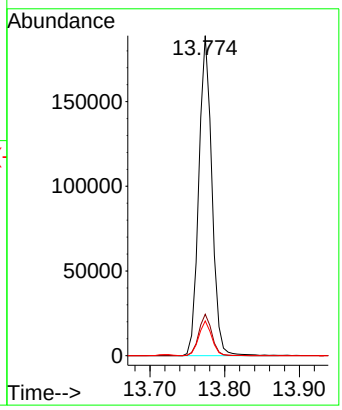




#95
Naphthalene
Concen: 49.996 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:128 Resp: 22926

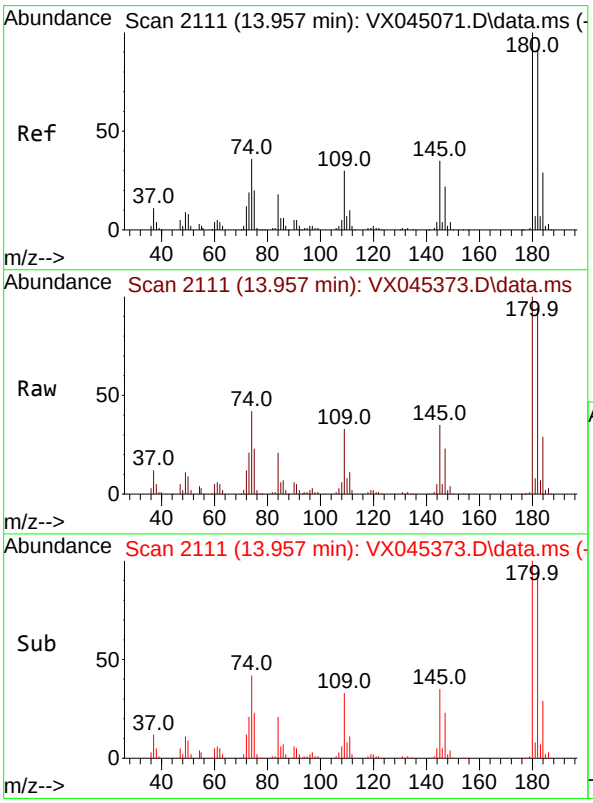
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

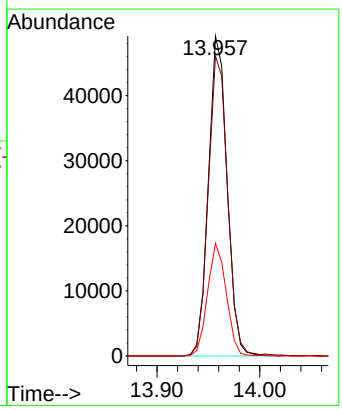
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.285 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 62054

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	35.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	91	0.00
2	T	Dichlorodifluoromethane	0.629	0.546	13.2	79	0.00
3	P	Chloromethane	0.770	0.601	21.9	72	0.00
4	C	Vinyl Chloride	0.764	0.594	22.3#	71	0.00
5	T	Bromomethane	0.300	0.259	13.7	80	0.00
6	T	Chloroethane	0.352	0.320	9.1	78	0.00
7	T	Trichlorofluoromethane	1.011	0.904	10.6	78	0.00
8	T	Diethyl Ether	0.396	0.336	15.2	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.581	0.0	89	0.00
10	T	Methyl Iodide	0.726	0.709	2.3	84	0.00
11	T	Tert butyl alcohol	0.151	0.109	27.8#	74	0.00
12	CM	1,1-Dichloroethene	0.614	0.558	9.1#	81	0.00
13	T	Acrolein	0.174	0.151	13.2	79	0.00
14	T	Allyl chloride	1.094	1.072	2.0	88	0.00
15	T	Acrylonitrile	0.404	0.383	5.2	85	0.00
16	T	Acetone	0.369	0.342	7.3	88	0.00
17	T	Carbon Disulfide	1.636	1.126	31.2#	61	0.00
18	T	Methyl Acetate	0.888	1.121	-26.2#	117	0.00
19	T	Methyl tert-butyl Ether	2.061	1.989	3.5	87	0.00
20	T	Methylene Chloride	0.731	0.652	10.8	85	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.567	6.6	81	0.00
22	T	Diisopropyl ether	2.224	2.201	1.0	87	0.00
23	T	Vinyl Acetate	1.856	1.803	2.9	83	0.00
24	P	1,1-Dichloroethane	1.247	1.210	3.0	88	0.00
25	T	2-Butanone	0.555	0.537	3.2	84	0.00
26	T	2,2-Dichloropropane	0.585	0.723	-23.6	110	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.714	4.7	85	0.00
28	T	Bromochloromethane	0.594	0.568	4.4	85	0.00
29	T	Tetrahydrofuran	0.373	0.341	8.6	83	0.00
30	C	Chloroform	1.239	1.236	0.2#	90	0.00
31	T	Cyclohexane	1.082	0.980	9.4	80	0.00
32	T	1,1,1-Trichloroethane	1.000	0.996	0.4	88	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.755	5.0	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.334	0.314	6.0	85	0.00
36	T	1,1-Dichloropropene	0.459	0.448	2.4	85	0.00
37	T	Ethyl Acetate	0.591	0.557	5.8	82	0.00
38	T	Carbon Tetrachloride	0.465	0.466	-0.2	89	0.00
39	T	Methylcyclohexane	0.549	0.531	3.3	81	0.00
40	TM	Benzene	1.448	1.385	4.4	82	0.00
41	T	Methacrylonitrile	0.319	0.331	-3.8	87	0.00
42	TM	1,2-Dichloroethane	0.521	0.556	-6.7	94	0.00
43	T	Isopropyl Acetate	0.874	0.862	1.4	83	0.00
44	TM	Trichloroethene	0.340	0.321	5.6	84	0.00
45	C	1,2-Dichloropropane	0.372	0.352	5.4#	84	0.00
46	T	Dibromomethane	0.263	0.267	-1.5	88	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	89	0.00
48	T	Methyl methacrylate	0.438	0.442	-0.9	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.007	22.2	70	0.00
50	S	Toluene-d8	1.212	1.052	13.2	77	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.593	-1.0	86	0.00
52	CM	Toluene	0.849	0.828	2.5#	82	0.00
53	T	t-1,3-Dichloropropene	0.431	0.432	-0.2	82	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.513	-2.0	85	0.00
55	T	1,1,2-Trichloroethane	0.350	0.340	2.9	85	0.00
56	T	Ethyl methacrylate	0.532	0.528	0.8	82	0.00
57	T	1,3-Dichloropropane	0.605	0.583	3.6	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.278	-7.3	87	0.00
59	T	2-Hexanone	0.425	0.433	-1.9	86	0.00
60	T	Dibromochloromethane	0.366	0.361	1.4	84	0.00
61	T	1,2-Dibromoethane	0.349	0.338	3.2	85	0.00
62	S	4-Bromofluorobenzene	0.402	0.370	8.0	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.320	0.329	-2.8	86	0.00
65	PM	Chlorobenzene	1.058	1.053	0.5	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.358	-1.7	86	0.00
67	C	Ethyl Benzene	1.843	1.886	-2.3#	82	0.00
68	T	m/p-Xylenes	0.675	0.679	-0.6	80	0.00
69	T	o-Xylene	0.681	0.678	0.4	82	0.00
70	T	Styrene	1.101	1.135	-3.1	82	0.00
71	P	Bromoform	0.266	0.271	-1.9	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.903	3.887	0.4	84	0.00
74	T	N-amyl acetate	1.831	1.859	-1.5	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.384	3.4	87	0.00
76	T	1,2,3-Trichloropropane	1.164	1.159	0.4	90	0.00
77	T	Bromobenzene	0.921	0.867	5.9	82	0.00
78	T	n-propylbenzene	4.409	4.467	-1.3	83	0.00
79	T	2-Chlorotoluene	2.808	2.712	3.4	84	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.150	0.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.326	4.1	86	0.00
82	T	4-Chlorotoluene	3.060	3.069	-0.3	85	0.00
83	T	tert-Butylbenzene	3.242	3.177	2.0	84	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.175	0.0	84	0.00
85	T	sec-Butylbenzene	3.884	3.964	-2.1	84	0.00
86	T	p-Isopropyltoluene	3.139	3.257	-3.8	85	0.00
87	T	1,3-Dichlorobenzene	1.643	1.603	2.4	86	0.00
88	T	1,4-Dichlorobenzene	1.662	1.582	4.8	84	0.00
89	T	n-Butylbenzene	2.703	2.915	-7.8	86	0.00
90	T	Hexachloroethane	0.568	0.550	3.2	81	0.00
91	T	1,2-Dichlorobenzene	1.648	1.615	2.0	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.286	-2.5	88	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.947	-1.0	84	0.00
94	T	Hexachlorobutadiene	0.385	0.387	-0.5	88	0.00
95	T	Naphthalene	3.605	3.605	0.0	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	0.990	0.976	1.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	91	0.00
2	T	Dichlorodifluoromethane	50.000	43.383	13.2	79	0.00
3	P	Chloromethane	50.000	38.984	22.0	72	0.00
4	C	Vinyl Chloride	50.000	38.892	22.2#	71	0.00
5	T	Bromomethane	50.000	43.085	13.8	80	0.00
6	T	Chloroethane	50.000	45.464	9.1	78	0.00
7	T	Trichlorofluoromethane	50.000	44.706	10.6	78	0.00
8	T	Diethyl Ether	50.000	42.472	15.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.031	-0.1	89	0.00
10	T	Methyl Iodide	50.000	48.804	2.4	84	0.00
11	T	Tert butyl alcohol	250.000	180.827	27.7#	74	0.00
12	CM	1,1-Dichloroethene	50.000	45.429	9.1#	81	0.00
13	T	Acrolein	250.000	216.233	13.5	79	0.00
14	T	Allyl chloride	50.000	48.998	2.0	88	0.00
15	T	Acrylonitrile	250.000	236.977	5.2	85	0.00
16	T	Acetone	250.000	231.924	7.2	88	0.00
17	T	Carbon Disulfide	50.000	34.417	31.2#	61	0.00
18	T	Methyl Acetate	50.000	63.154	-26.3#	117	0.00
19	T	Methyl tert-butyl Ether	50.000	48.235	3.5	87	0.00
20	T	Methylene Chloride	50.000	44.603	10.8	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.683	6.6	81	0.00
22	T	Diisopropyl ether	50.000	49.474	1.1	87	0.00
23	T	Vinyl Acetate	250.000	242.782	2.9	83	0.00
24	P	1,1-Dichloroethane	50.000	48.541	2.9	88	0.00
25	T	2-Butanone	250.000	241.746	3.3	84	0.00
26	T	2,2-Dichloropropane	50.000	61.802	-23.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.626	4.7	85	0.00
28	T	Bromochloromethane	50.000	47.813	4.4	85	0.00
29	T	Tetrahydrofuran	250.000	228.354	8.7	83	0.00
30	C	Chloroform	50.000	49.916	0.2#	90	0.00
31	T	Cyclohexane	50.000	45.300	9.4	80	0.00
32	T	1,1,1-Trichloroethane	50.000	49.789	0.4	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.472	5.1	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	46.935	6.1	85	0.00
36	T	1,1-Dichloropropene	50.000	48.847	2.3	85	0.00
37	T	Ethyl Acetate	50.000	47.152	5.7	82	0.00
38	T	Carbon Tetrachloride	50.000	50.002	-0.0	89	0.00
39	T	Methylcyclohexane	50.000	48.320	3.4	81	0.00
40	TM	Benzene	50.000	47.823	4.4	82	0.00
41	T	Methacrylonitrile	50.000	51.857	-3.7	87	0.00
42	TM	1,2-Dichloroethane	50.000	53.313	-6.6	94	0.00
43	T	Isopropyl Acetate	50.000	49.361	1.3	83	0.00
44	TM	Trichloroethene	50.000	47.200	5.6	84	0.00
45	C	1,2-Dichloropropane	50.000	47.336	5.3#	84	0.00
46	T	Dibromomethane	50.000	50.776	-1.6	88	0.00
47	T	Bromodichloromethane	50.000	50.921	-1.8	89	0.00
48	T	Methyl methacrylate	50.000	50.381	-0.8	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	799.865	20.0	70	0.00
50	S	Toluene-d8	50.000	43.410	13.2	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.898	-1.2	86	0.00
52	CM	Toluene	50.000	48.708	2.6#	82	0.00
53	T	t-1,3-Dichloropropene	50.000	50.020	-0.0	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.990	-2.0	85	0.00
55	T	1,1,2-Trichloroethane	50.000	48.680	2.6	85	0.00
56	T	Ethyl methacrylate	50.000	49.705	0.6	82	0.00
57	T	1,3-Dichloropropane	50.000	48.163	3.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.242	-7.3	87	0.00
59	T	2-Hexanone	250.000	254.850	-1.9	86	0.00
60	T	Dibromochloromethane	50.000	49.346	1.3	84	0.00
61	T	1,2-Dibromoethane	50.000	48.470	3.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	46.047	7.9	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	51.351	-2.7	86	0.00
65	PM	Chlorobenzene	50.000	49.767	0.5	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.843	-1.7	86	0.00
67	C	Ethyl Benzene	50.000	51.160	-2.3#	82	0.00
68	T	m/p-Xylenes	100.000	100.611	-0.6	80	0.00
69	T	o-Xylene	50.000	49.785	0.4	82	0.00
70	T	Styrene	50.000	51.533	-3.1	82	0.00
71	P	Bromoform	50.000	51.008	-2.0	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	49.801	0.4	84	0.00
74	T	N-amyl acetate	50.000	50.753	-1.5	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.314	3.4	87	0.00
76	T	1,2,3-Trichloropropane	50.000	49.810	0.4	90	0.00
77	T	Bromobenzene	50.000	47.066	5.9	82	0.00
78	T	n-propylbenzene	50.000	50.665	-1.3	83	0.00
79	T	2-Chlorotoluene	50.000	48.292	3.4	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.907	0.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.898	4.2	86	0.00
82	T	4-Chlorotoluene	50.000	50.140	-0.3	85	0.00
83	T	tert-Butylbenzene	50.000	48.993	2.0	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.993	0.0	84	0.00
85	T	sec-Butylbenzene	50.000	51.032	-2.1	84	0.00
86	T	p-Isopropyltoluene	50.000	51.877	-3.8	85	0.00
87	T	1,3-Dichlorobenzene	50.000	48.793	2.4	86	0.00
88	T	1,4-Dichlorobenzene	50.000	47.591	4.8	84	0.00
89	T	n-Butylbenzene	50.000	53.917	-7.8	86	0.00
90	T	Hexachloroethane	50.000	48.398	3.2	81	0.00
91	T	1,2-Dichlorobenzene	50.000	49.014	2.0	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.178	-2.4	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.478	-1.0	84	0.00
94	T	Hexachlorobutadiene	50.000	50.254	-0.5	88	0.00
95	T	Naphthalene	50.000	49.996	0.0	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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	49.285	1.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

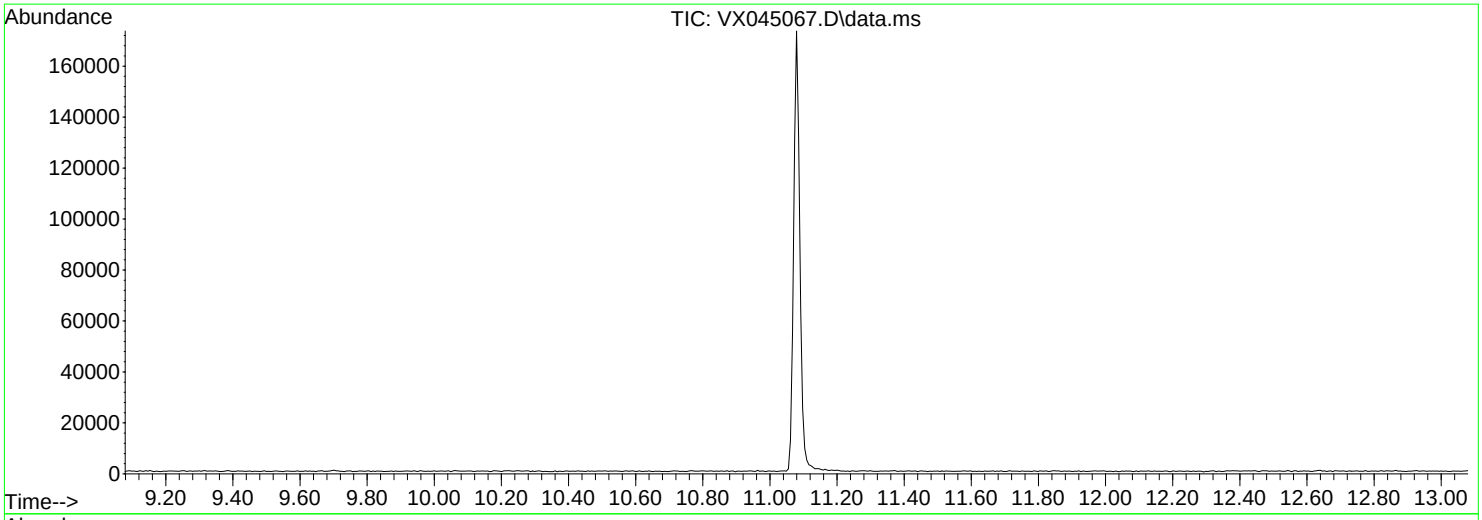
Sample Results: **VX045067.D**

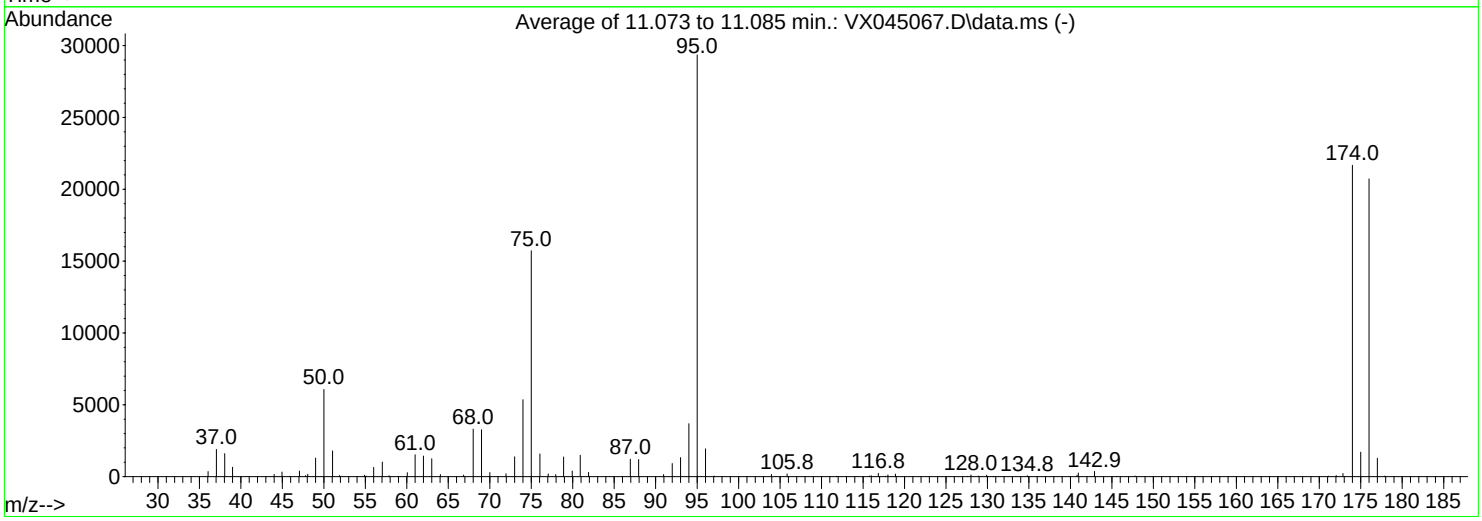
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Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

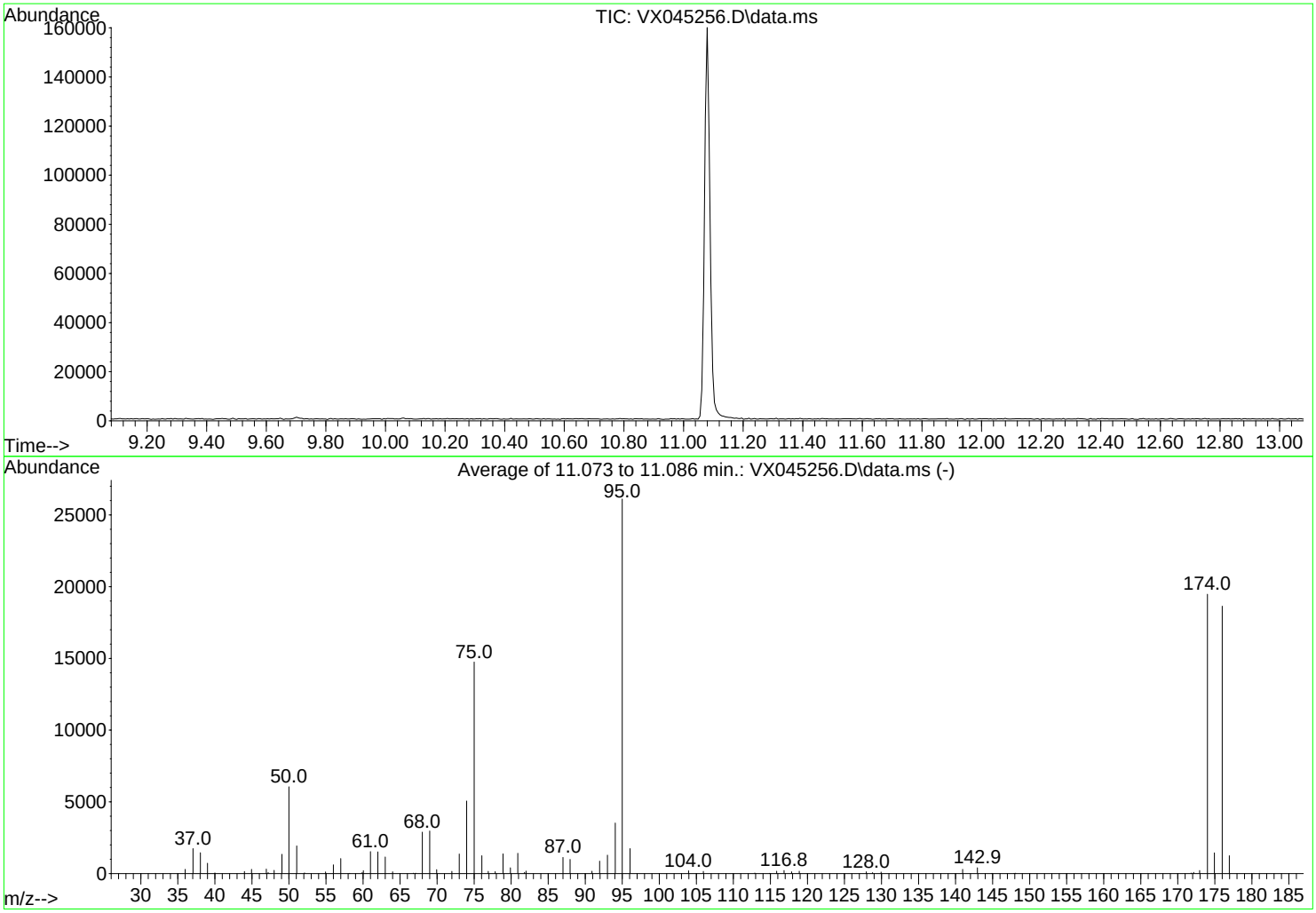
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045256.D
Acq On : 13 Mar 2025 09:56
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

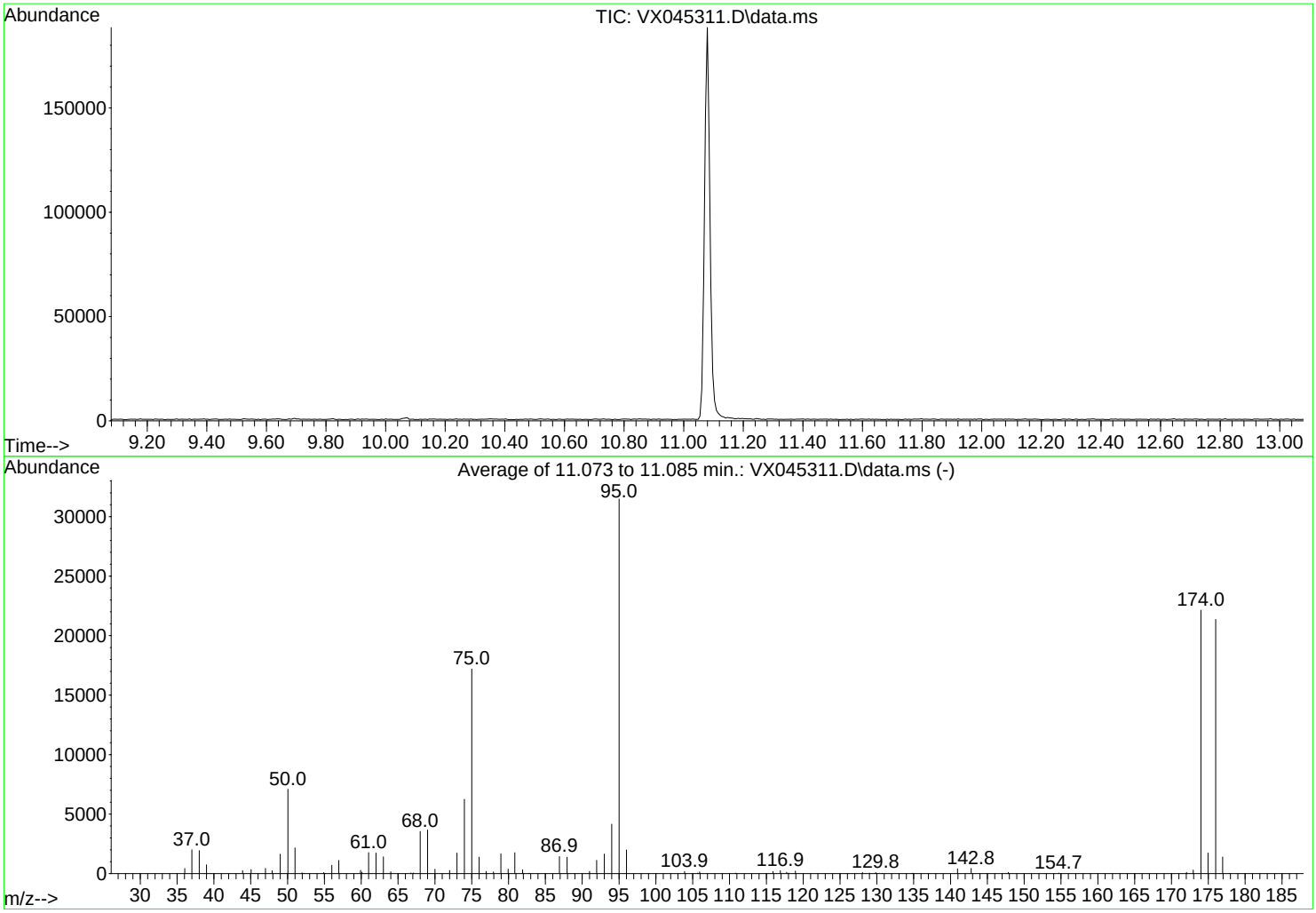
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	6048	PASS
75	95	30	60	56.5	14749	PASS
95	95	100	100	100.0	26112	PASS
96	95	5	9	6.7	1748	PASS
173	174	0.00	2	1.1	220	PASS
174	95	50	100	74.6	19474	PASS
175	174	5	9	7.4	1444	PASS
176	174	95	101	95.7	18640	PASS
177	176	5	9	6.7	1246	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045311.D
Acq On : 18 Mar 2025 09:33
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

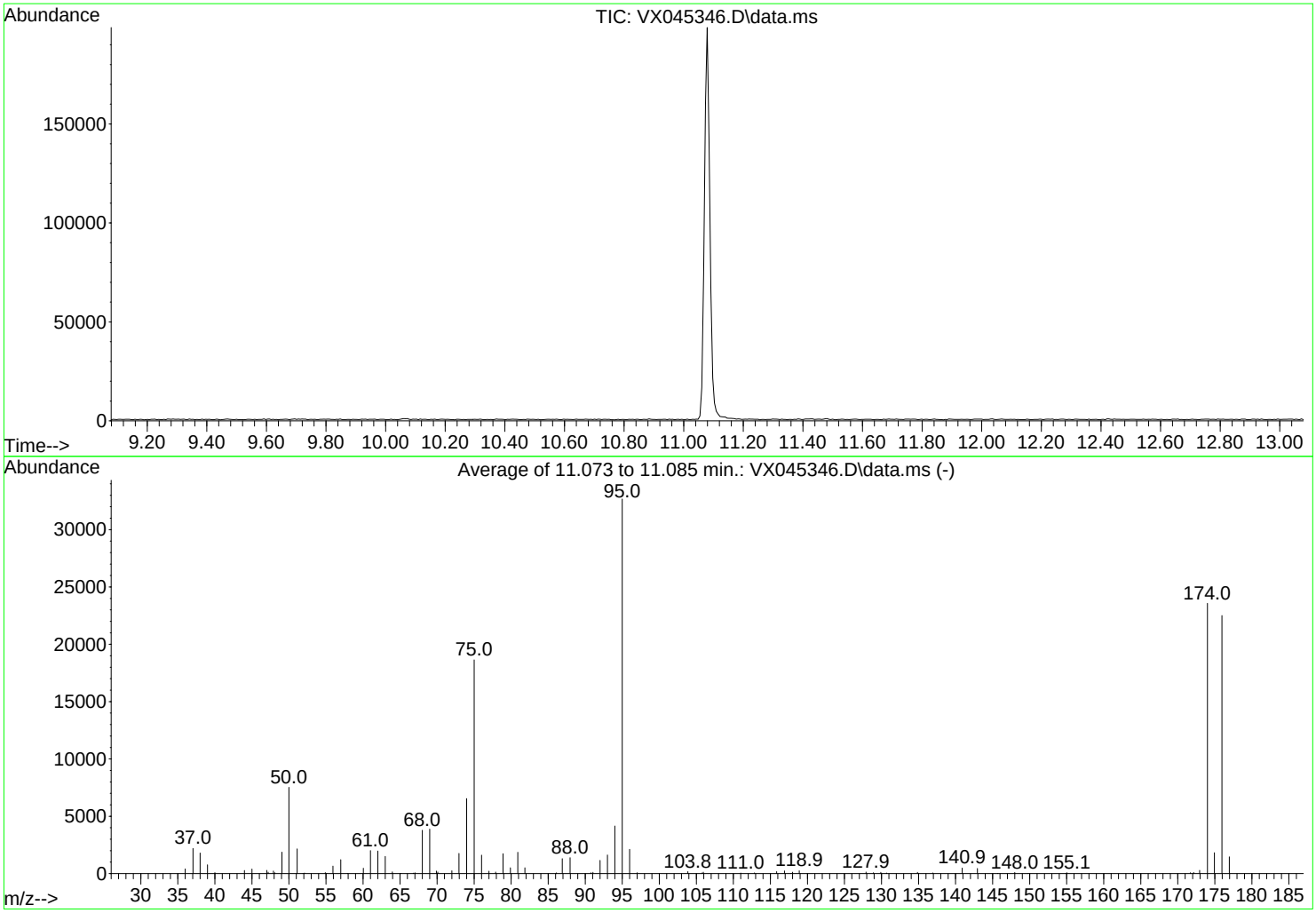
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	7091	PASS
75	95	30	60	54.6	17201	PASS
95	95	100	100	100.0	31485	PASS
96	95	5	9	6.4	2001	PASS
173	174	0.00	2	1.4	302	PASS
174	95	50	100	70.3	22144	PASS
175	174	5	9	7.9	1739	PASS
176	174	95	101	96.5	21373	PASS
177	176	5	9	6.6	1401	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045346.D
Acq On : 20 Mar 2025 09:09
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 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	23.0	7519	PASS
75	95	30	60	57.1	18644	PASS
95	95	100	100	100.0	32675	PASS
96	95	5	9	6.5	2124	PASS
173	174	0.00	2	1.2	288	PASS
174	95	50	100	72.1	23573	PASS
175	174	5	9	7.7	1819	PASS
176	174	95	101	95.5	22507	PASS
177	176	5	9	6.5	1462	PASS

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBL01	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
VX045259.D	1		03/13/25 11:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBL01	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
VX045259.D	1		03/13/25 11:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67700	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	51500	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBL01	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
VX045259.D	1		03/13/25 11:15	VX031325

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\VX031325\
Data File : VX045259.D
Acq On : 13 Mar 2025 11:15
Operator : JC/MD
Sample : VX0313WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Quant Time: Mar 14 12:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59038	54.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.580%			
35) Dibromofluoromethane	5.379	113	47167	52.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	8.647	98	166229	51.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	11.079	95	58888	54.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.760%			

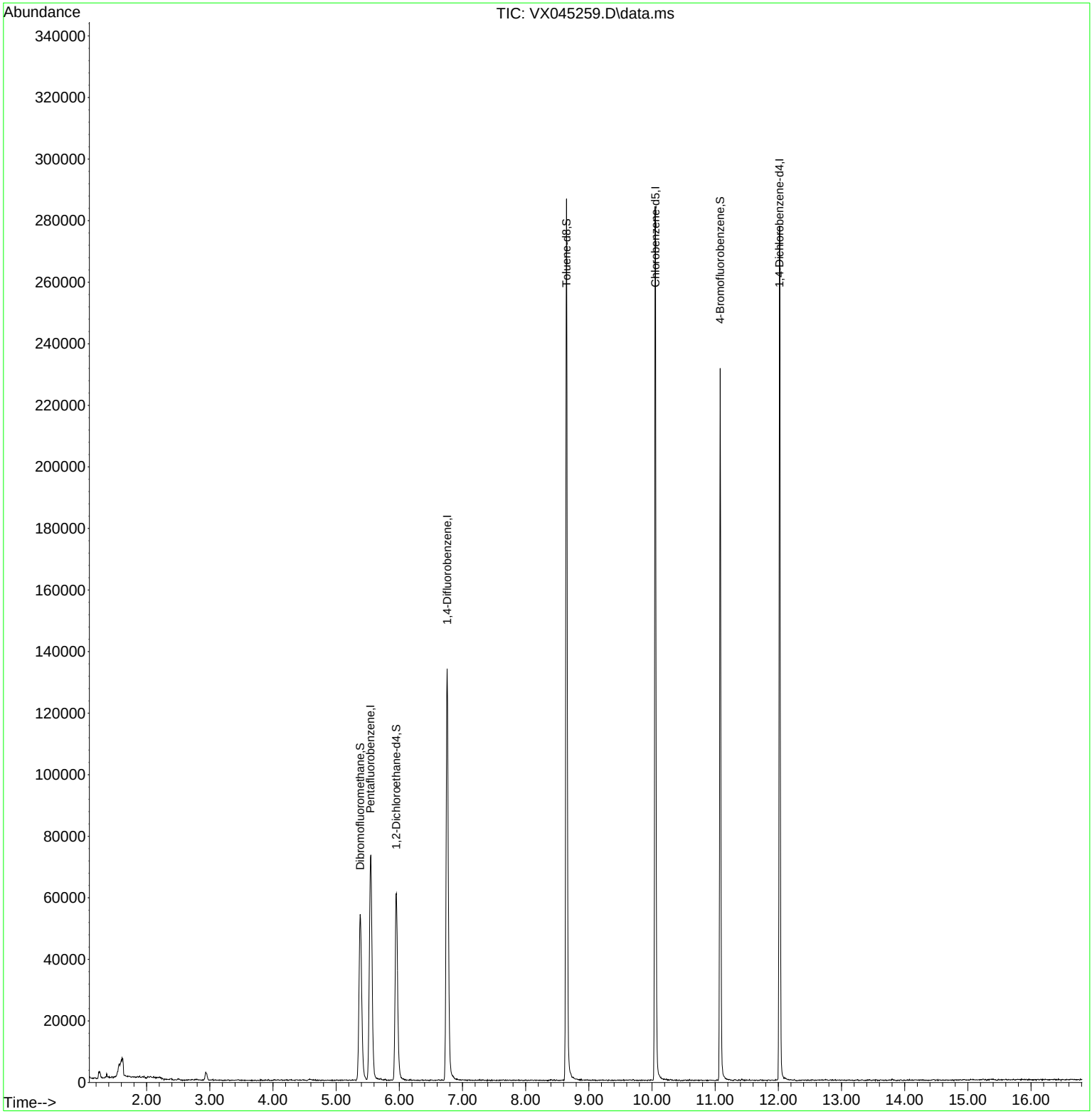
Target Compounds Qvalue

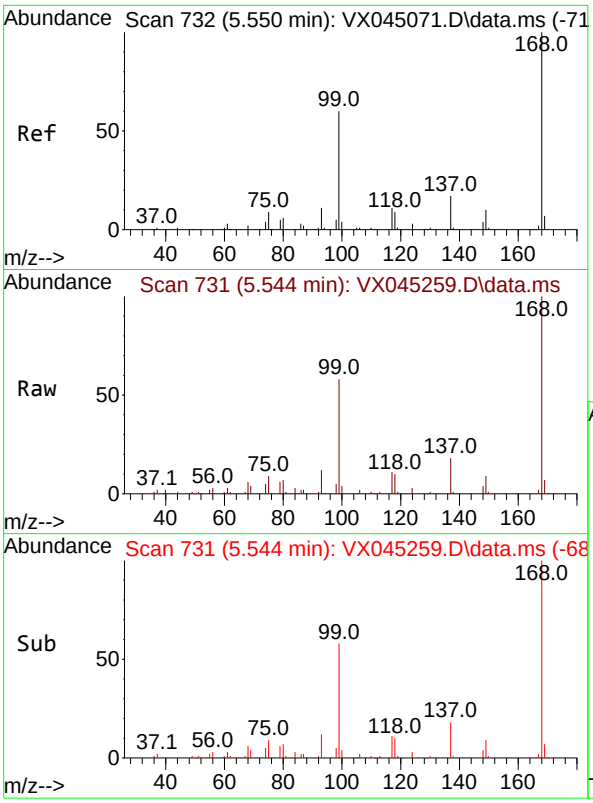
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045259.D
Acq On : 13 Mar 2025 11:15
Operator : JC/MD
Sample : VX0313WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Quant Time: Mar 14 12:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



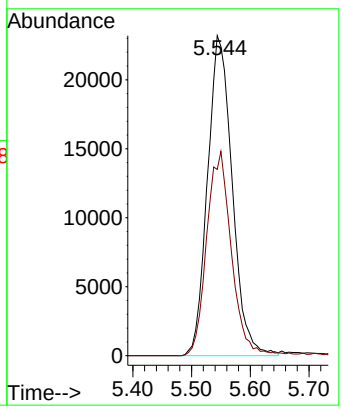


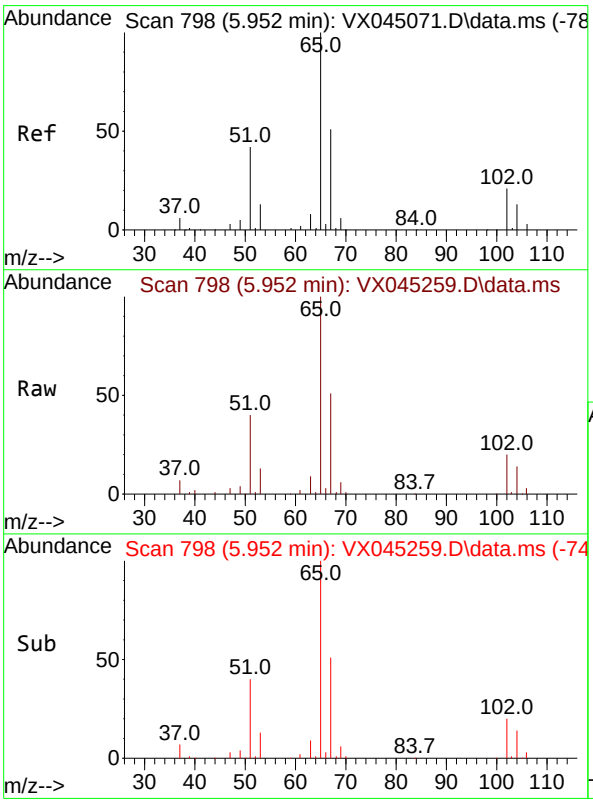
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Tgt Ion:168 Resp: 67746

Ion	Ratio	Lower	Upper
168	100		
99	58.2	48.2	72.4

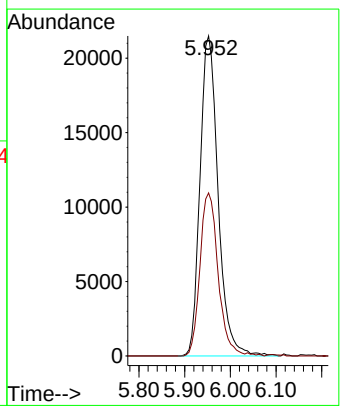


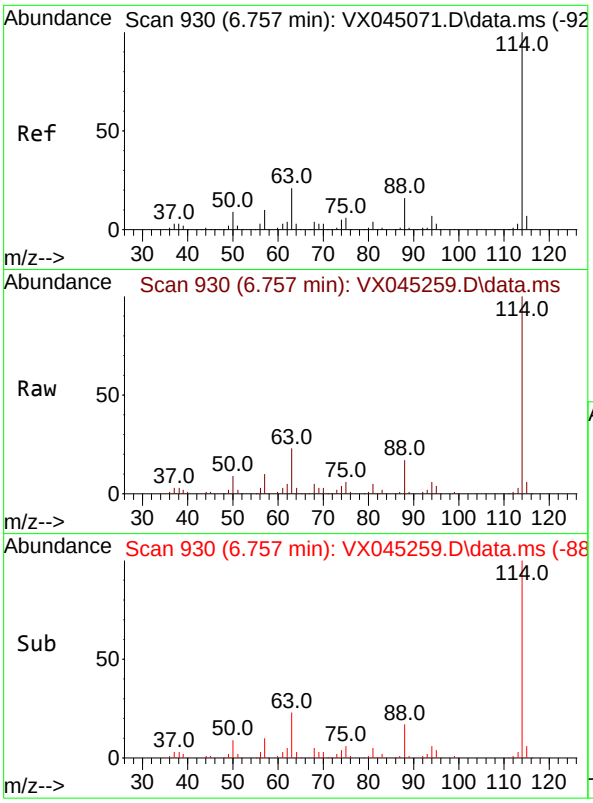


#33
1,2-Dichloroethane-d4
Concen: 54.787 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion: 65 Resp: 59038

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2



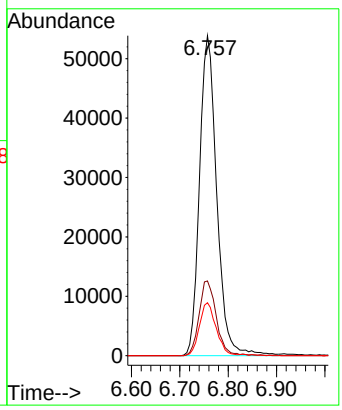


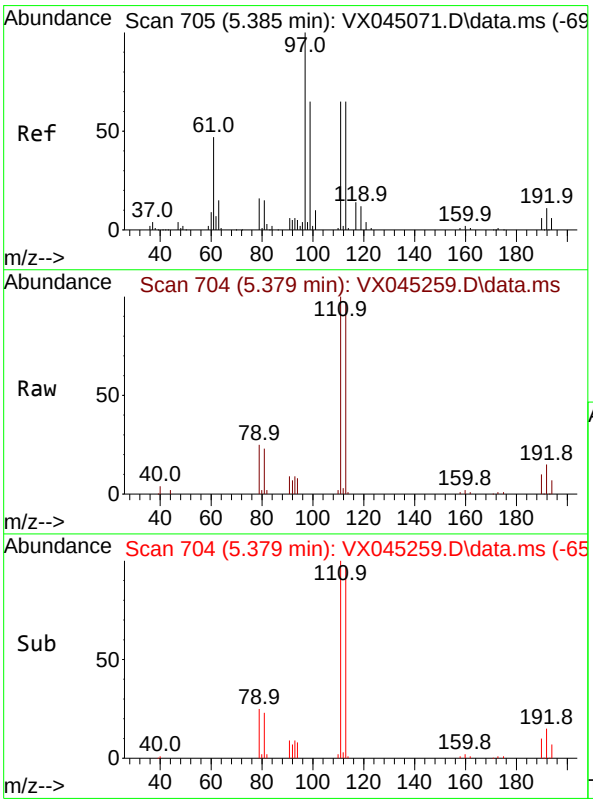
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Tgt Ion:114 Resp: 133586

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.5	0.0	32.8

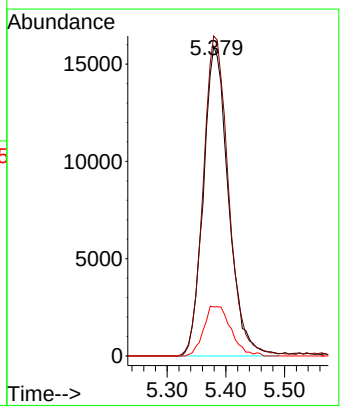


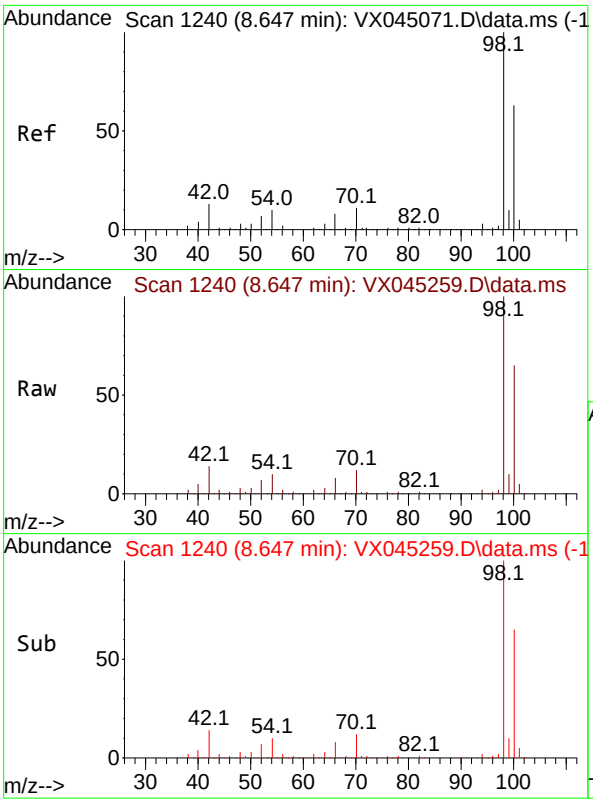


#35
Dibromofluoromethane
Concen: 52.804 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion:113 Resp: 47167

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.8	122.6
192	17.5	14.3	21.5



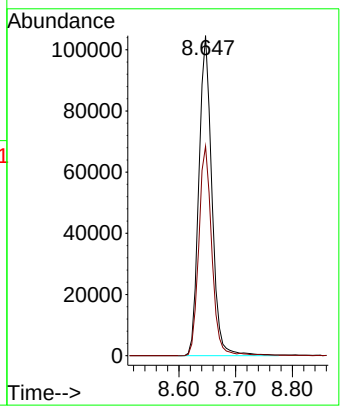


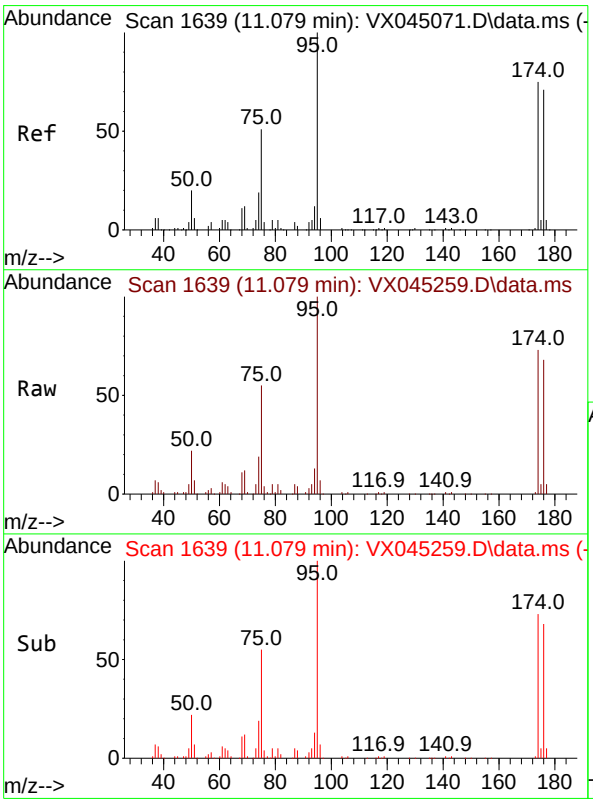
#50
Toluene-d8
Concen: 51.331 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Tgt Ion: 98 Resp: 166229

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

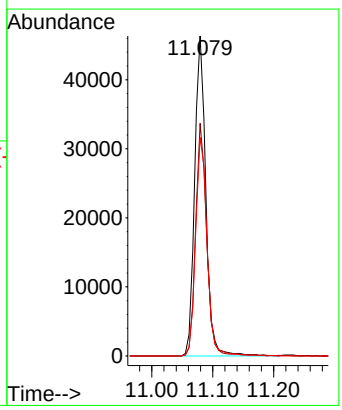


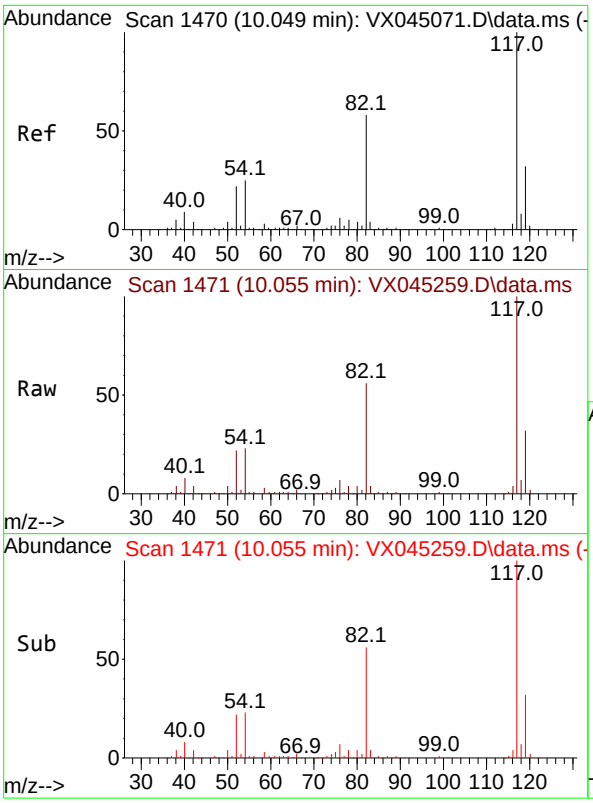


#62
4-Bromofluorobenzene
Concen: 54.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion: 95 Resp: 58888

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	148.2
176	69.9	0.0	141.4



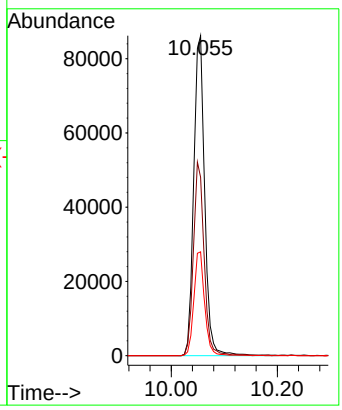


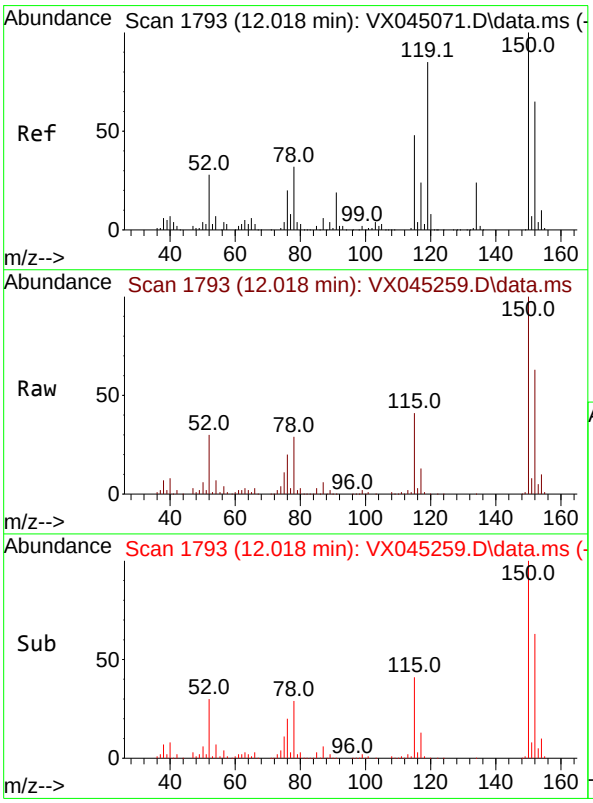
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Tgt Ion:117 Resp: 123621

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.3	69.5
119	32.5	25.7	38.5

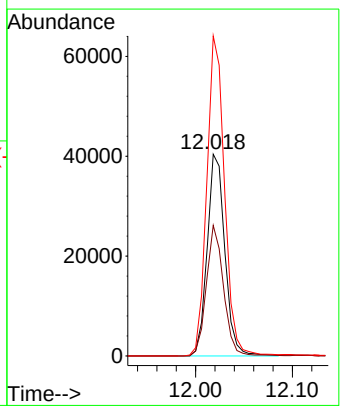




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion:152 Resp: 51498

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.2	132.6
150	159.8	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBL01	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
VX045314.D	1		03/18/25 10:53	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBL01	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
VX045314.D	1		03/18/25 10:53	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	46400	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBL01	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
VX045314.D	1		03/18/25 10:53	VX031825

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\VX031825\
Data File : VX045314.D
Acq On : 18 Mar 2025 10:53
Operator : JC/MD
Sample : VX0318WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Quant Time: Mar 19 01:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59994	56.307	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.620%			
35) Dibromofluoromethane	5.379	113	47101	53.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.920%			
50) Toluene-d8	8.647	98	165615	52.330	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.660%			
62) 4-Bromofluorobenzene	11.079	95	54760	52.216	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.440%			

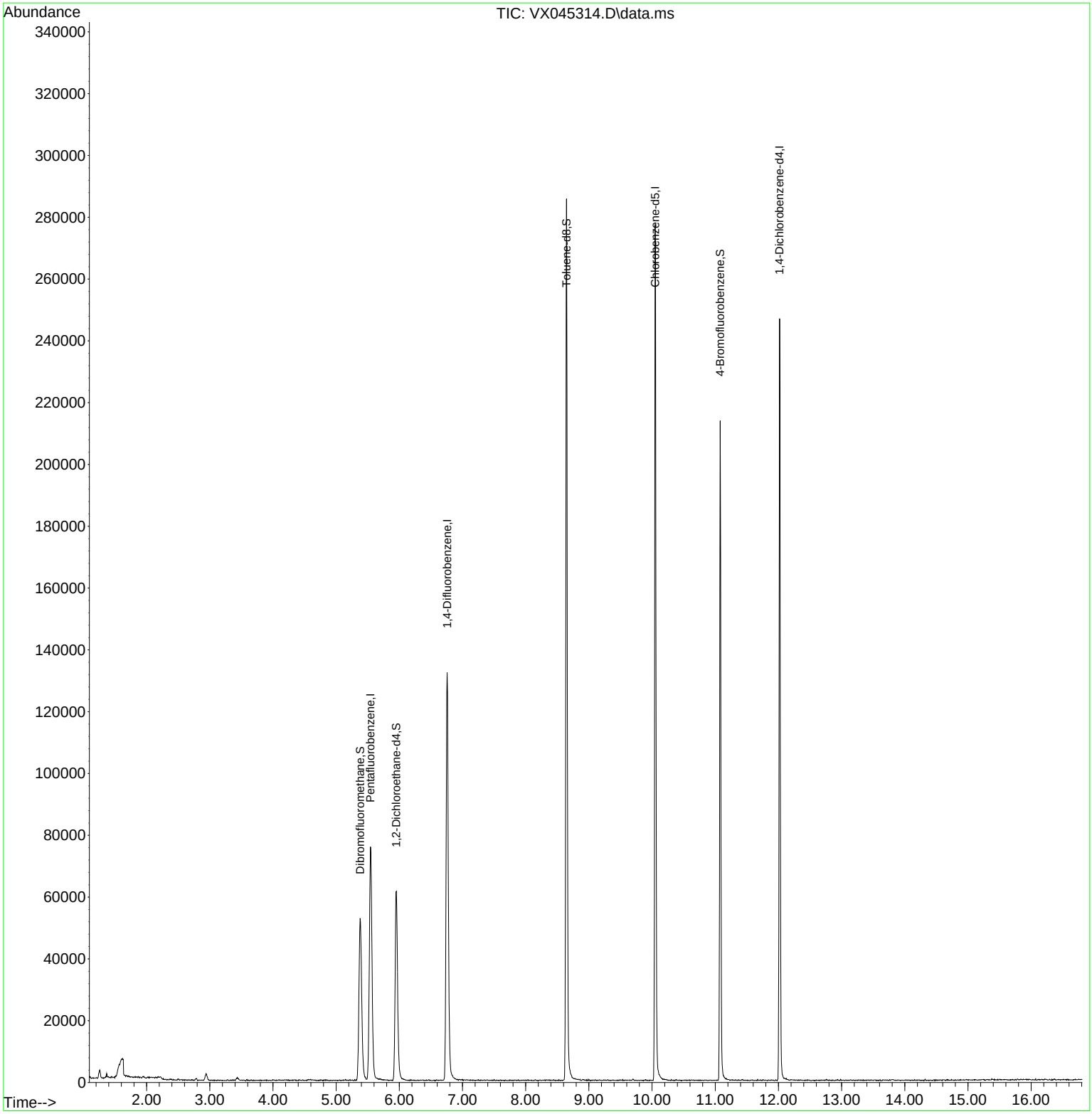
Target Compounds Qvalue

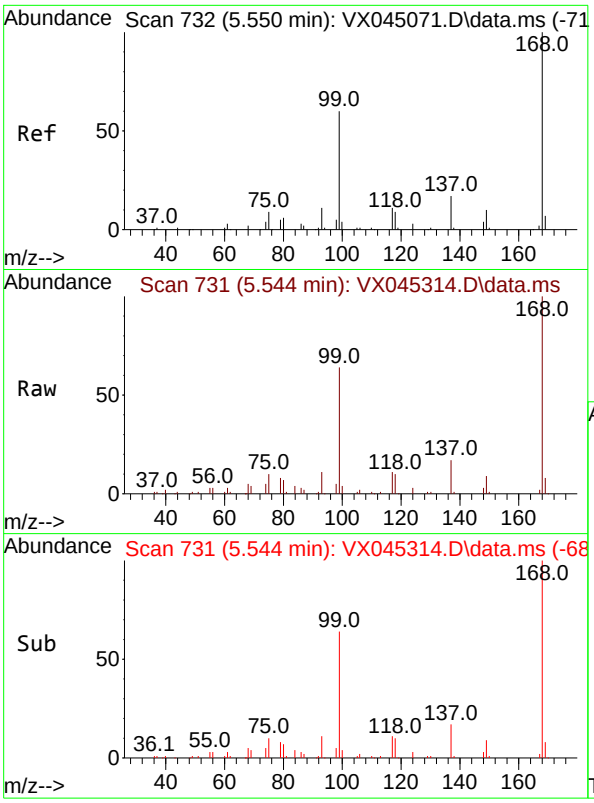
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045314.D
Acq On : 18 Mar 2025 10:53
Operator : JC/MD
Sample : VX0318WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Quant Time: Mar 19 01:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



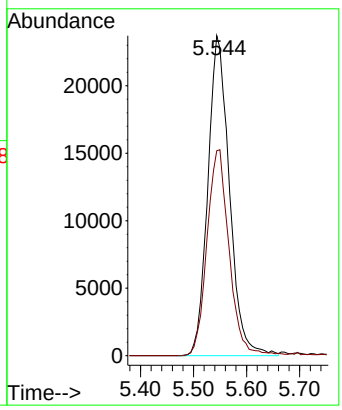


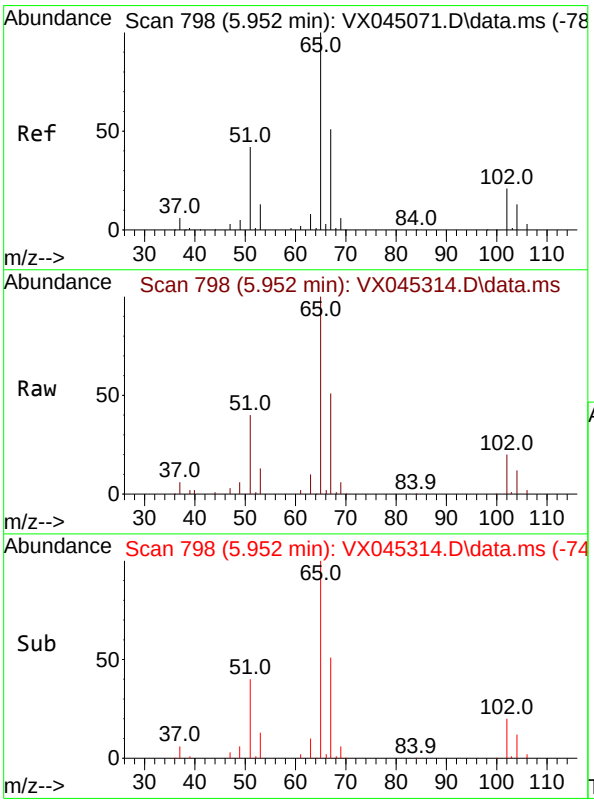
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Tgt Ion:168 Resp: 66984

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.2	72.4

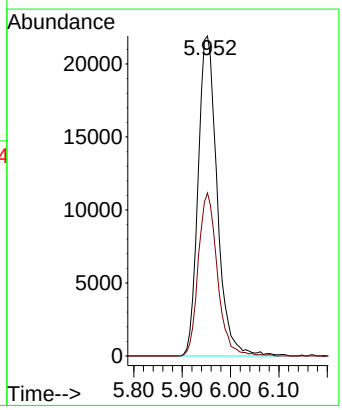


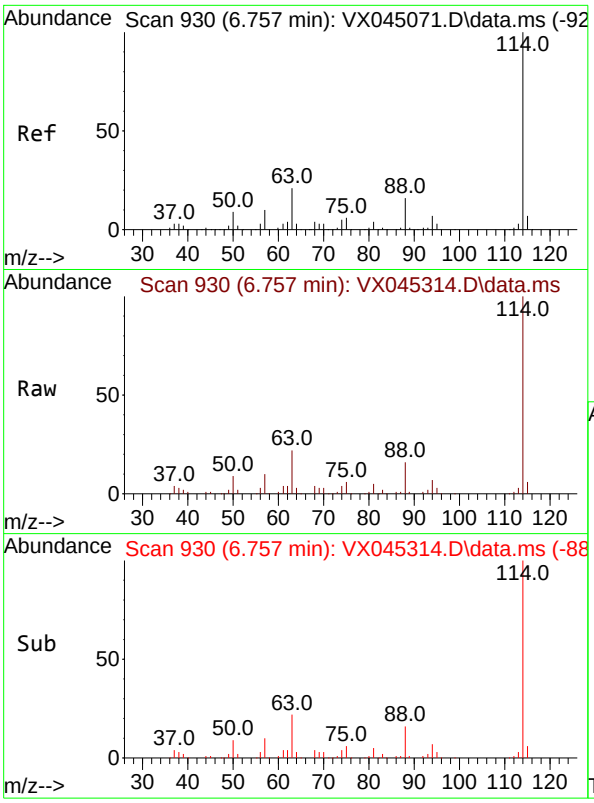


#33
1,2-Dichloroethane-d4
Concen: 56.307 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Tgt Ion: 65 Resp: 59994

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2



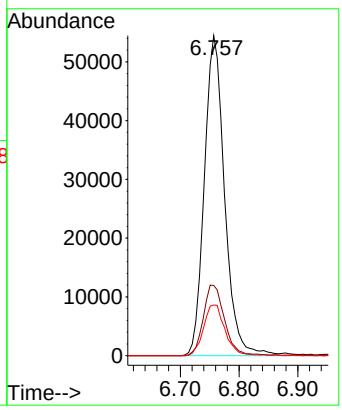


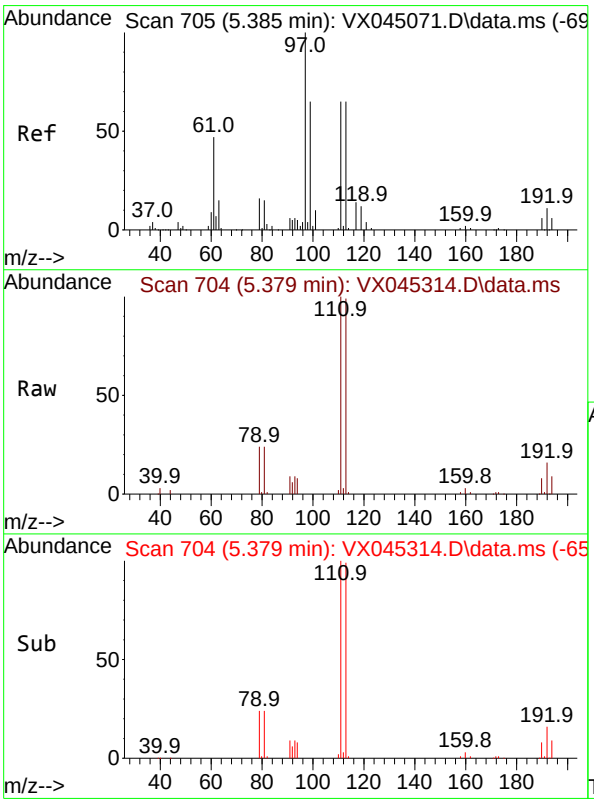
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Tgt Ion:114 Resp: 130552

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	15.9	0.0	32.8

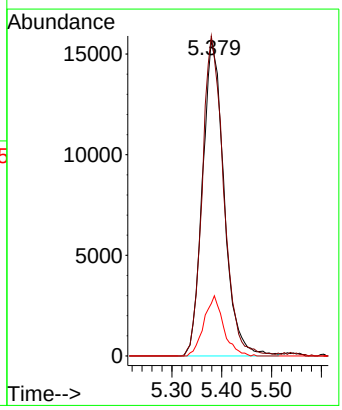


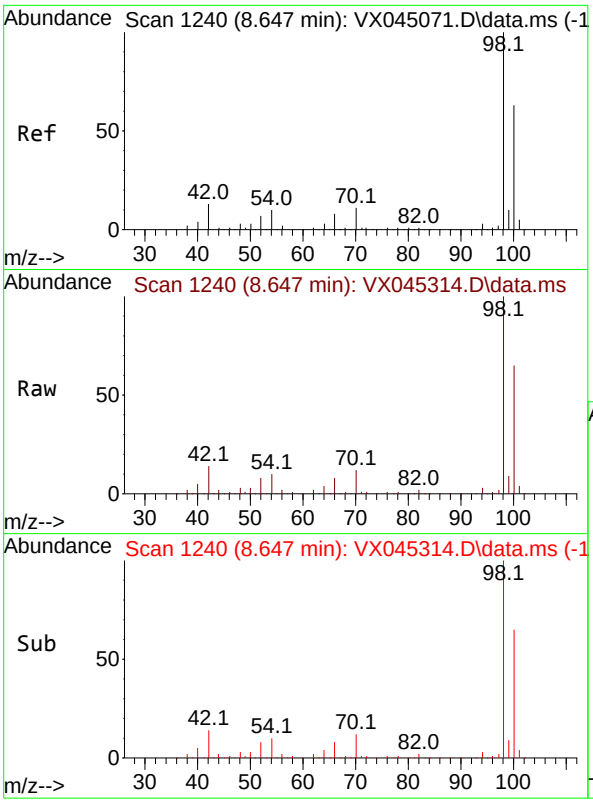


#35
Dibromofluoromethane
Concen: 53.955 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Tgt Ion:113 Resp: 47101

Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.8	122.6
192	17.3	14.3	21.5



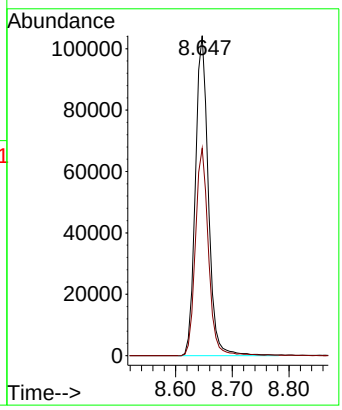


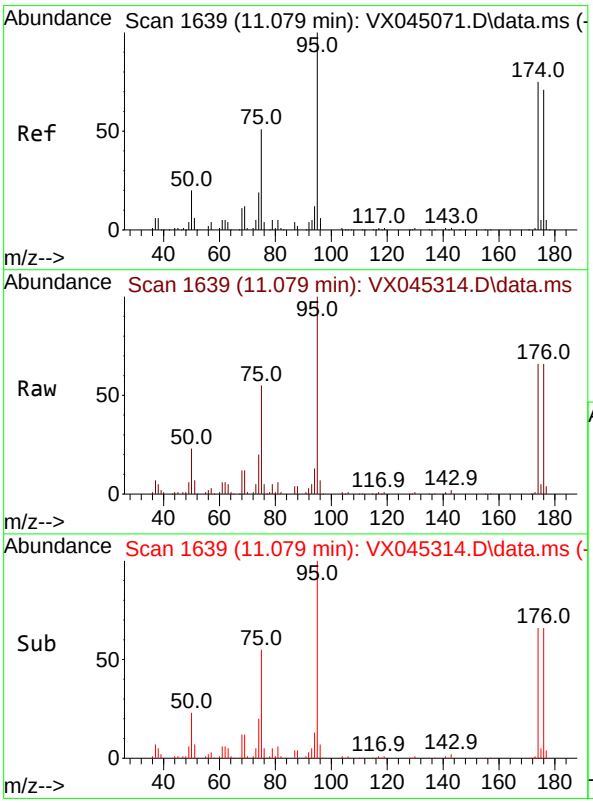
#50
Toluene-d8
Concen: 52.330 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Tgt Ion: 98 Resp: 165615

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

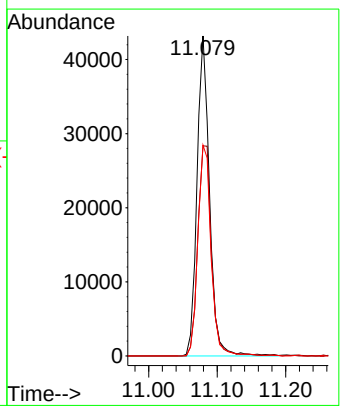


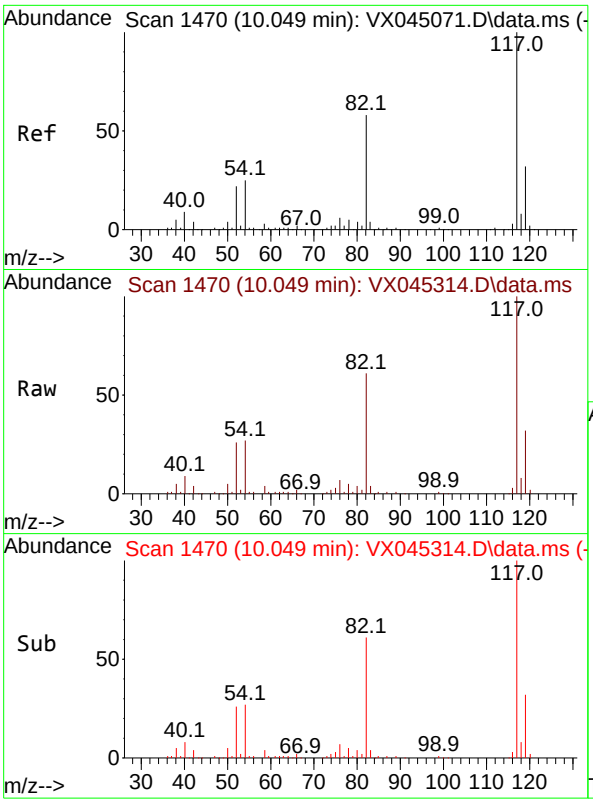


#62
4-Bromofluorobenzene
Concen: 52.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Tgt Ion: 95 Resp: 54760

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	148.2
176	70.1	0.0	141.4



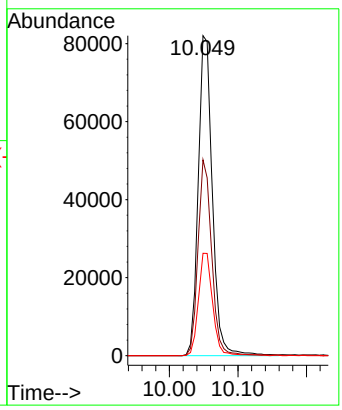


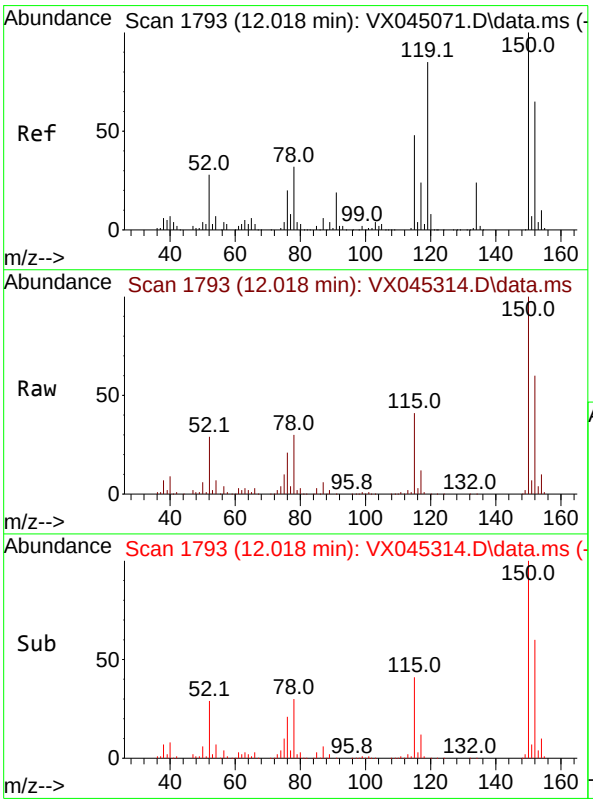
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBL01

Tgt Ion:117 Resp: 117786

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	32.0	25.7	38.5

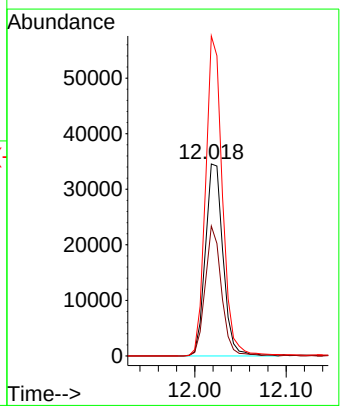




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045314.D
Acq: 18 Mar 2025 10:53

Tgt Ion:152 Resp: 46358

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	158.8	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBL01	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
VX045349.D	1		03/20/25 10:29	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	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
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	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
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBL01	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
VX045349.D	1		03/20/25 10:29	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	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
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47400	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBL01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBL01	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
VX045349.D	1		03/20/25 10:29	VX032025

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\VX032025\
Data File : VX045349.D
Acq On : 20 Mar 2025 10:29
Operator : JC/MD
Sample : VX0320WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Quant Time: Mar 21 01:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61741	57.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.500%			
35) Dibromofluoromethane	5.379	113	47374	53.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	8.647	98	165758	51.219	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.440%			
62) 4-Bromofluorobenzene	11.079	95	55720	51.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.920%			

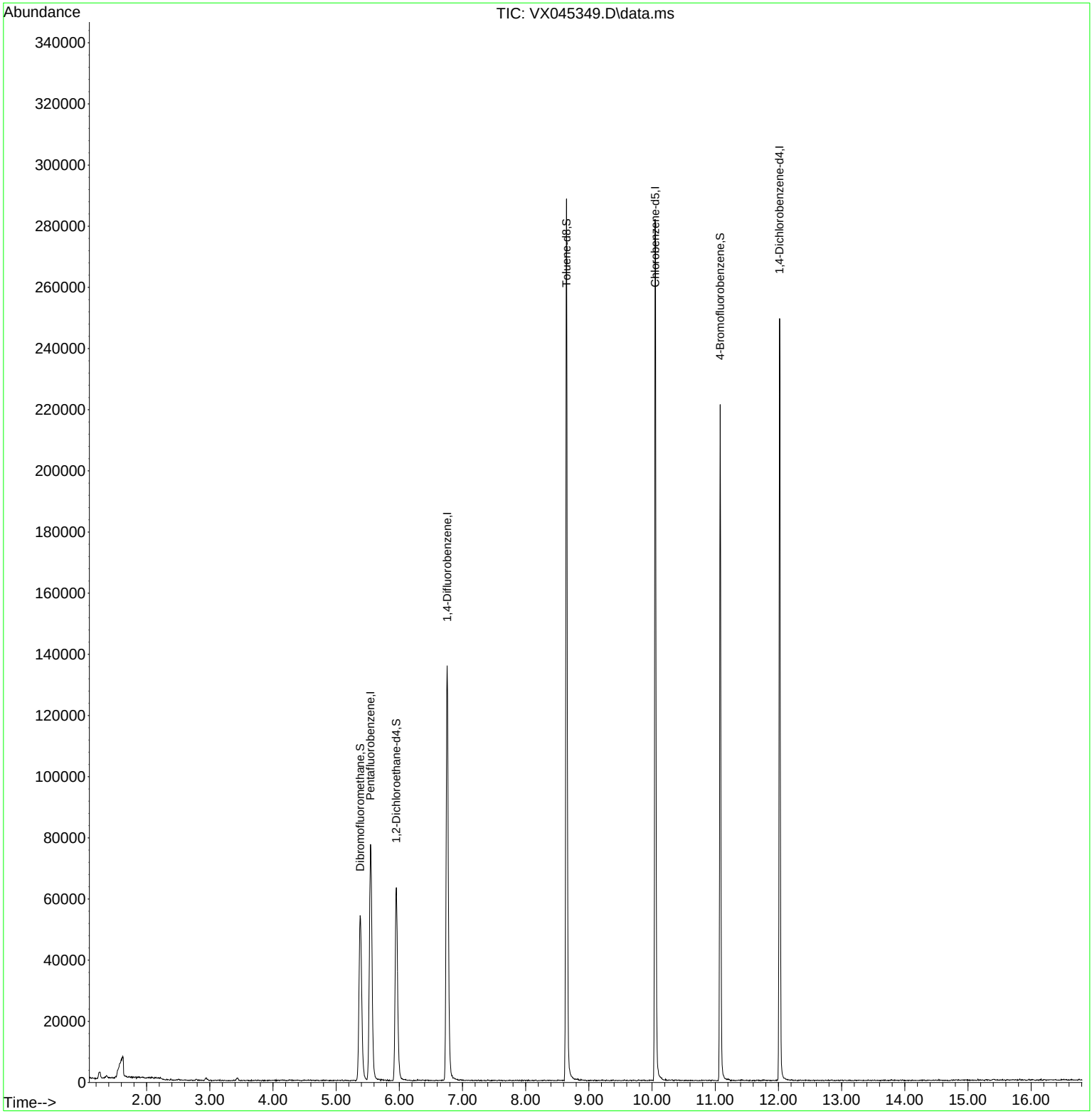
Target Compounds Qvalue

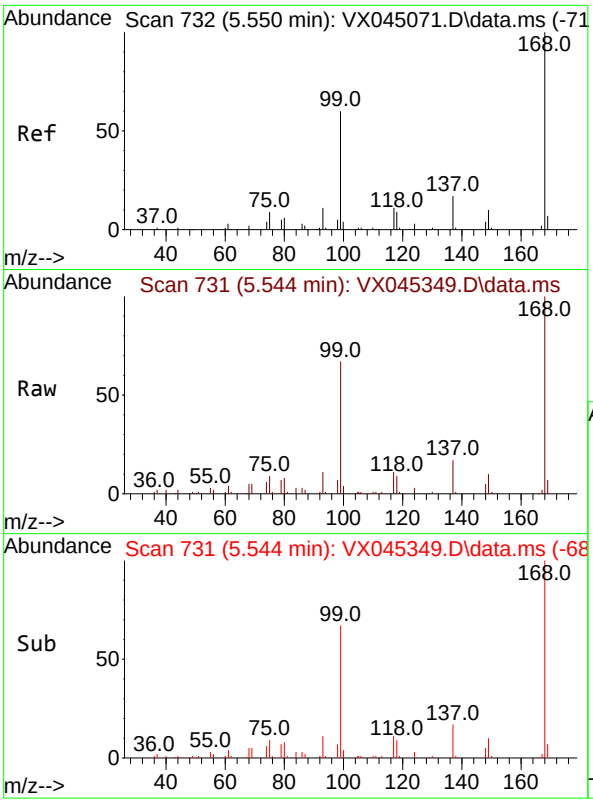
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045349.D
Acq On : 20 Mar 2025 10:29
Operator : JC/MD
Sample : VX0320WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Quant Time: Mar 21 01:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



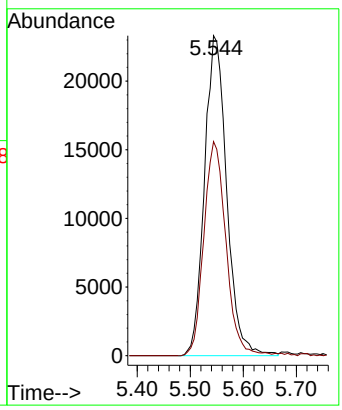


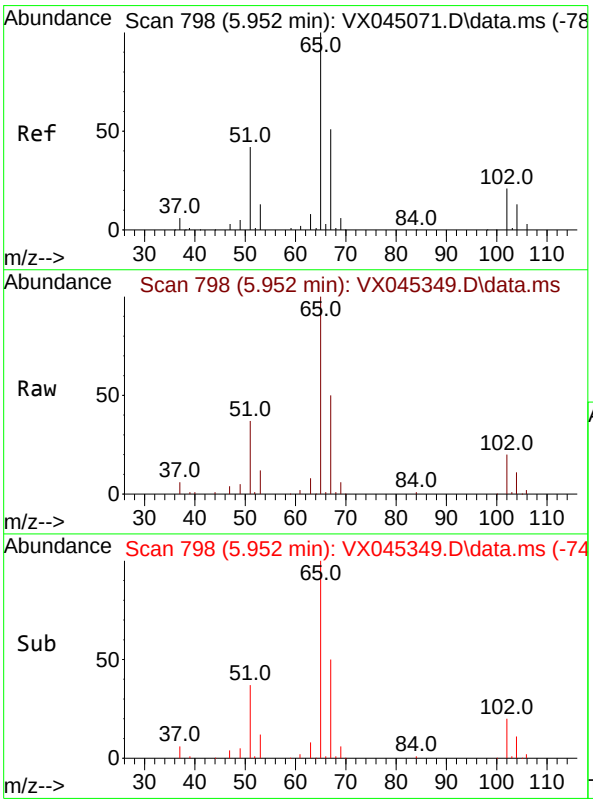
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:168 Resp: 67796

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

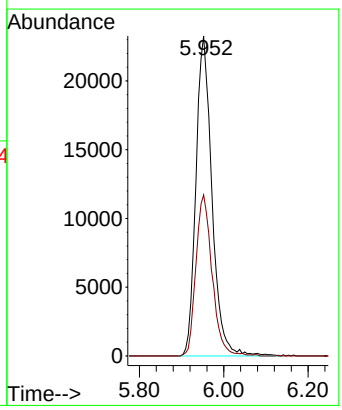


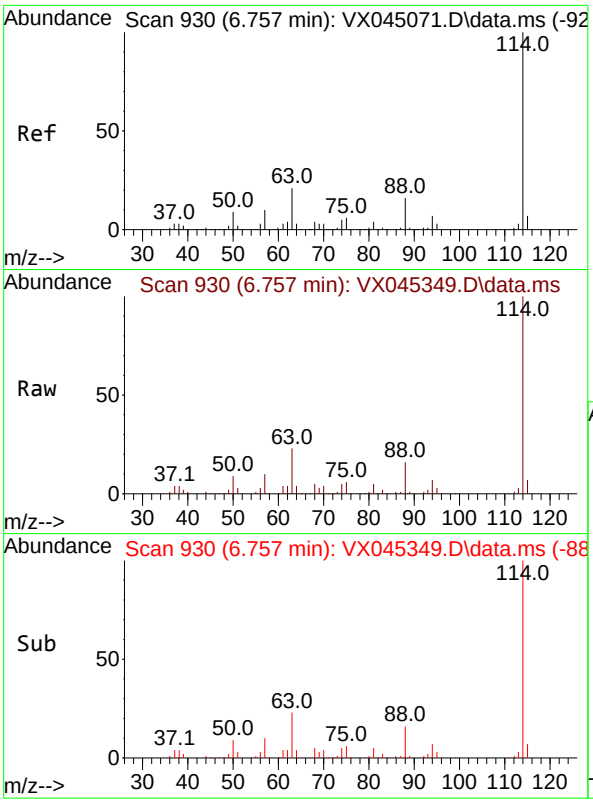


#33
1,2-Dichloroethane-d4
Concen: 57.253 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion: 65 Resp: 61741

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



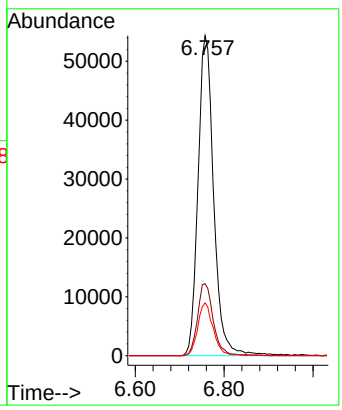


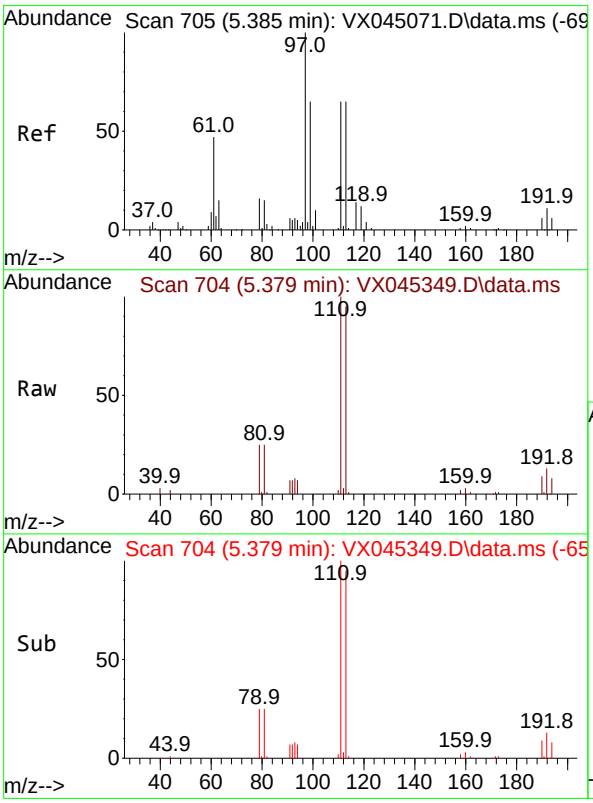
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:114 Resp: 133500

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.5	0.0	32.8

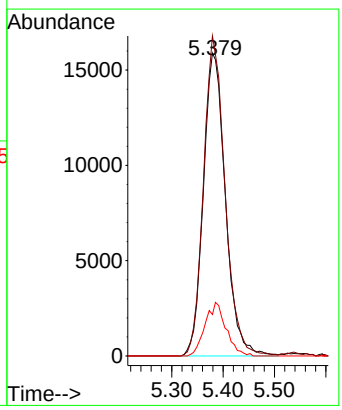


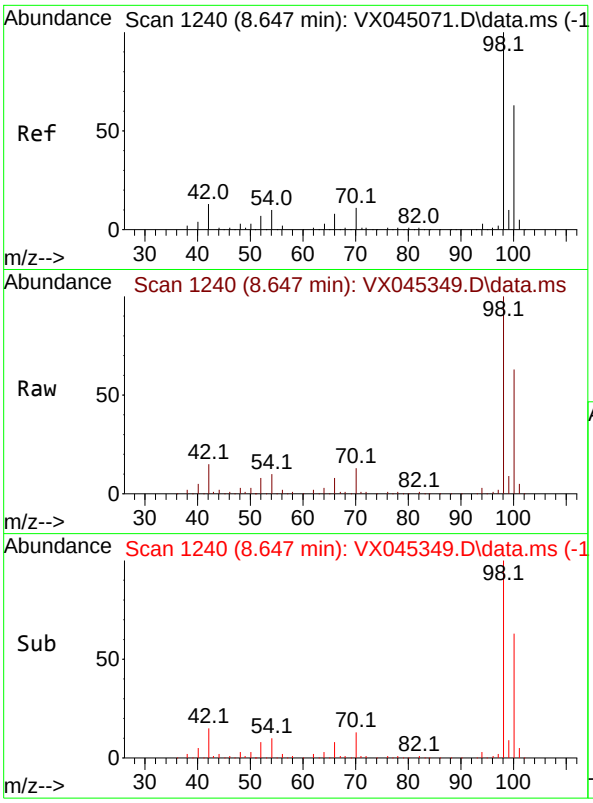


#35
Dibromofluoromethane
Concen: 53.069 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion:113 Resp: 47374

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	16.8	14.3	21.5



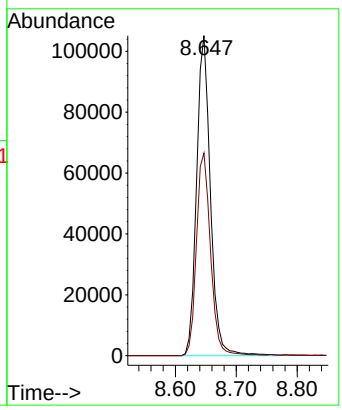


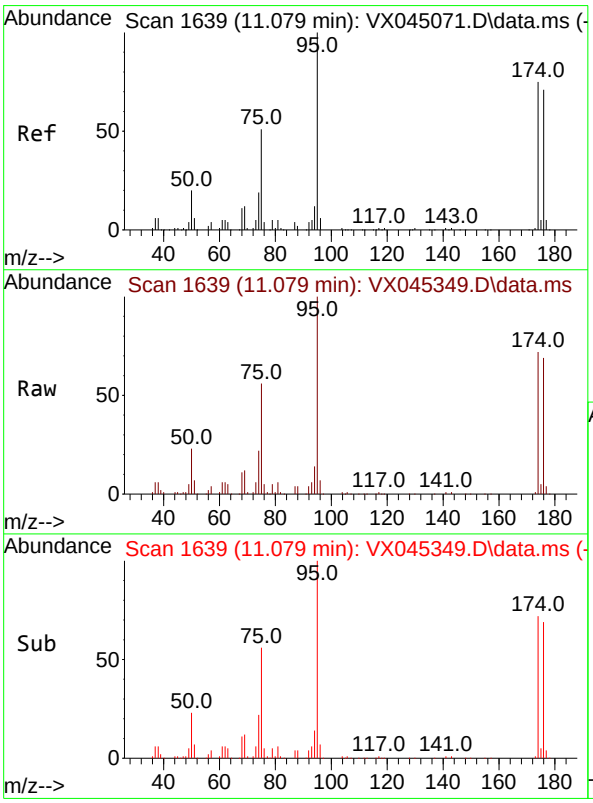
#50
Toluene-d8
Concen: 51.219 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion: 98 Resp: 165758

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

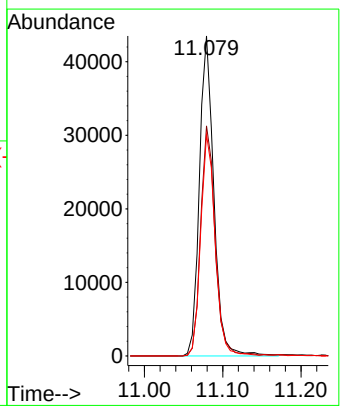


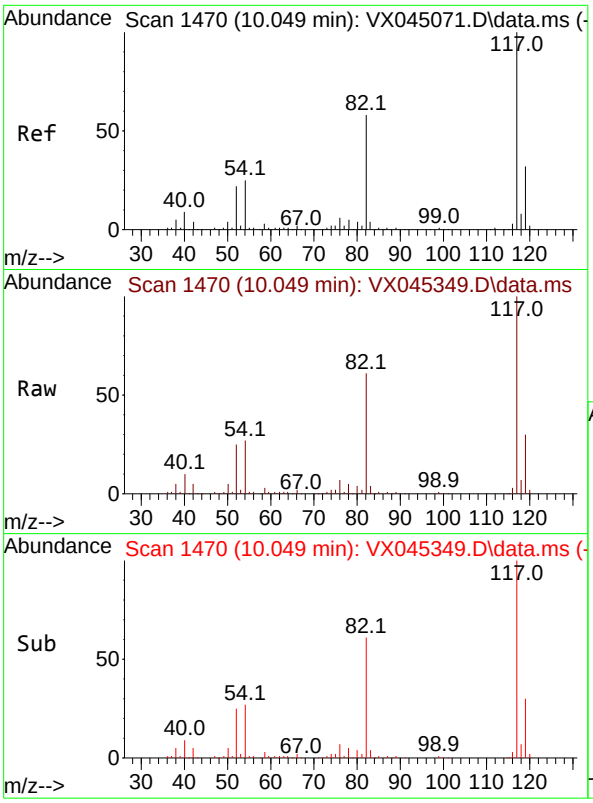


#62
4-Bromofluorobenzene
Concen: 51.958 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion: 95 Resp: 55720

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.2
176	69.4	0.0	141.4



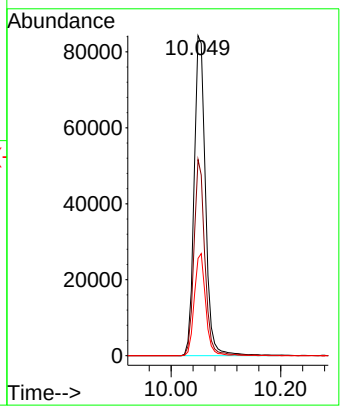


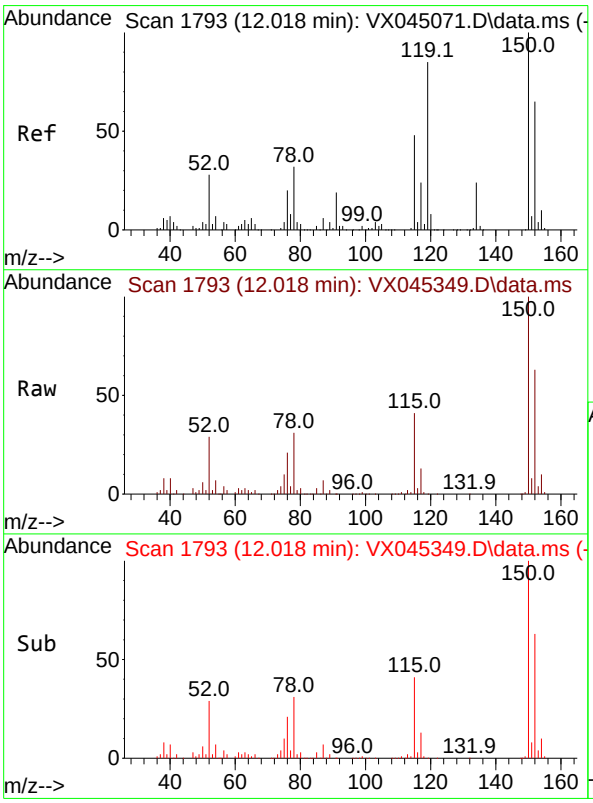
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:117 Resp: 121748

Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.3	69.5
119	30.4	25.7	38.5

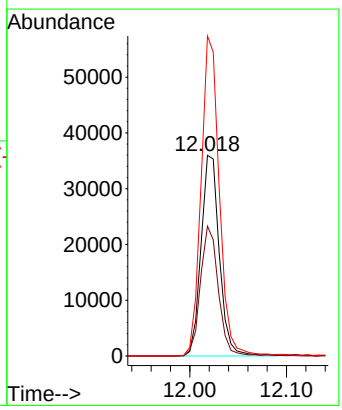




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion:152 Resp: 47437

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.2	132.6
150	159.4	0.0	349.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBS01	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
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	98.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.7		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBS01	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
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	99.7		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	18.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		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	19.1		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	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	97400	5.549				
540-36-3	1,4-Difluorobenzene	174000	6.757				
3114-55-4	Chlorobenzene-d5	154000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	68200	12.024				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBS01	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
VX045260.D	1		03/13/25 11:38	VX031325

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\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	97410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82488	53.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.379	113	62822	53.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	8.646	98	219736	51.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	76284	54.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21635	17.645	ug/l	99
3) Chloromethane	1.306	50	25100	16.727	ug/l	95
4) Vinyl Chloride	1.373	62	24105	16.193	ug/l	94
5) Bromomethane	1.593	94	10669	18.232	ug/l	95
6) Chloroethane	1.666	64	13625	19.844	ug/l	95
7) Trichlorofluoromethane	1.873	101	35774	18.154	ug/l	99
8) Diethyl Ether	2.129	74	12929	16.774	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	22467	19.845	ug/l	98
10) Methyl Iodide	2.440	142	26042	18.406	ug/l	96
11) Tert butyl alcohol	2.977	59	22163	75.515	ug/l	97
12) 1,1-Dichloroethene	2.312	96	21354	17.840	ug/l	100
13) Acrolein	2.233	56	20426	60.206	ug/l	99
14) Allyl chloride	2.660	41	41286	19.377	ug/l	99
15) Acrylonitrile	3.062	53	75169	95.563	ug/l	100
16) Acetone	2.385	43	70410	97.942	ug/l	100
17) Carbon Disulfide	2.501	76	47976	15.049	ug/l	97
18) Methyl Acetate	2.702	43	37996	21.970	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	74396	18.526	ug/l	99
20) Methylene Chloride	2.782	84	26180	18.384	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	21431	18.123	ug/l	96
22) Diisopropyl ether	3.757	45	83408	19.249	ug/l #	81
23) Vinyl Acetate	3.721	43	338596	93.636	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45359	18.678	ug/l	99
25) 2-Butanone	4.562	43	106239	98.177	ug/l	98
26) 2,2-Dichloropropane	4.470	77	29896	26.246	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27400	18.770	ug/l	96
28) Bromochloromethane	4.897	49	24655	21.300	ug/l	98
29) Tetrahydrofuran	5.007	42	66201	91.099	ug/l	100
30) Chloroform	5.086	83	46538	19.287	ug/l	99
31) Cyclohexane	5.458	56	38761	18.387	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	36612	18.786	ug/l	98
36) 1,1-Dichloropropene	5.690	75	30345	18.967	ug/l	100
37) Ethyl Acetate	4.720	43	38116	18.489	ug/l	99
38) Carbon Tetrachloride	5.671	117	30420	18.728	ug/l	98
39) Methylcyclohexane	7.378	83	37053	19.328	ug/l	96
40) Benzene	6.031	78	94123	18.630	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21833	19.586	ug/l		96
42) 1,2-Dichloroethane	6.086	62	36032	19.806	ug/l		99
43) Isopropyl Acetate	6.342	43	58378	19.150	ug/l		99
44) Trichloroethene	7.122	130	22034	18.574	ug/l		93
45) 1,2-Dichloropropane	7.427	63	25053	19.287	ug/l		98
46) Dibromomethane	7.580	93	17928	19.527	ug/l		98
47) Bromodichloromethane	7.817	83	35544	19.737	ug/l		98
48) Methyl methacrylate	7.695	41	29753	19.454	ug/l		96
49) 1,4-Dioxane	7.665	88	10526	326.274	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	205355	100.325	ug/l		99
52) Toluene	8.714	92	58253	19.652	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29128	19.347	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	33982	19.356	ug/l		93
55) 1,1,2-Trichloroethane	9.152	97	23865	19.557	ug/l		98
56) Ethyl methacrylate	9.116	69	36370	19.607	ug/l		98
57) 1,3-Dichloropropane	9.305	76	41395	19.602	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	86829	95.960	ug/l		99
59) 2-Hexanone	9.427	43	147804	99.661	ug/l		99
60) Dibromochloromethane	9.518	129	24674	19.338	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23735	19.483	ug/l		98
64) Tetrachloroethene	9.268	164	19047	19.342	ug/l		95
65) Chlorobenzene	10.079	112	62379	19.173	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20344	18.776	ug/l		98
67) Ethyl Benzene	10.189	91	108318	19.107	ug/l		99
68) m/p-Xylenes	10.299	106	81139	39.097	ug/l		97
69) o-Xylene	10.640	106	39791	19.011	ug/l		96
70) Styrene	10.652	104	67344	19.885	ug/l		99
71) Bromoform	10.799	173	14973	18.326	ug/l	#	99
73) Isopropylbenzene	10.963	105	106368	19.989	ug/l		98
74) N-amyl acetate	10.841	43	46854	18.765	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37599	19.255	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	29840m	18.805	ug/l		
77) Bromobenzene	11.195	156	24033	19.142	ug/l		99
78) n-propylbenzene	11.305	91	120022	19.967	ug/l		100
79) 2-Chlorotoluene	11.359	91	75127	19.625	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	86221	20.039	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8442	18.207	ug/l		86
82) 4-Chlorotoluene	11.451	91	82758	19.835	ug/l		99
83) tert-Butylbenzene	11.713	119	85652	19.375	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	86535	19.988	ug/l		100
85) sec-Butylbenzene	11.890	105	108147	20.422	ug/l		98
86) p-Isopropyltoluene	12.006	119	86107	20.120	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42798	19.108	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	42258	18.649	ug/l		97
89) n-Butylbenzene	12.329	91	74631	20.248	ug/l		99
90) Hexachloroethane	12.536	117	14411	18.617	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42544	18.935	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6994	18.385	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	22724	17.762	ug/l		99
94) Hexachlorobutadiene	13.725	225	10078	19.214	ug/l		97
95) Naphthalene	13.774	128	87220	17.744	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24211	17.939	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

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

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

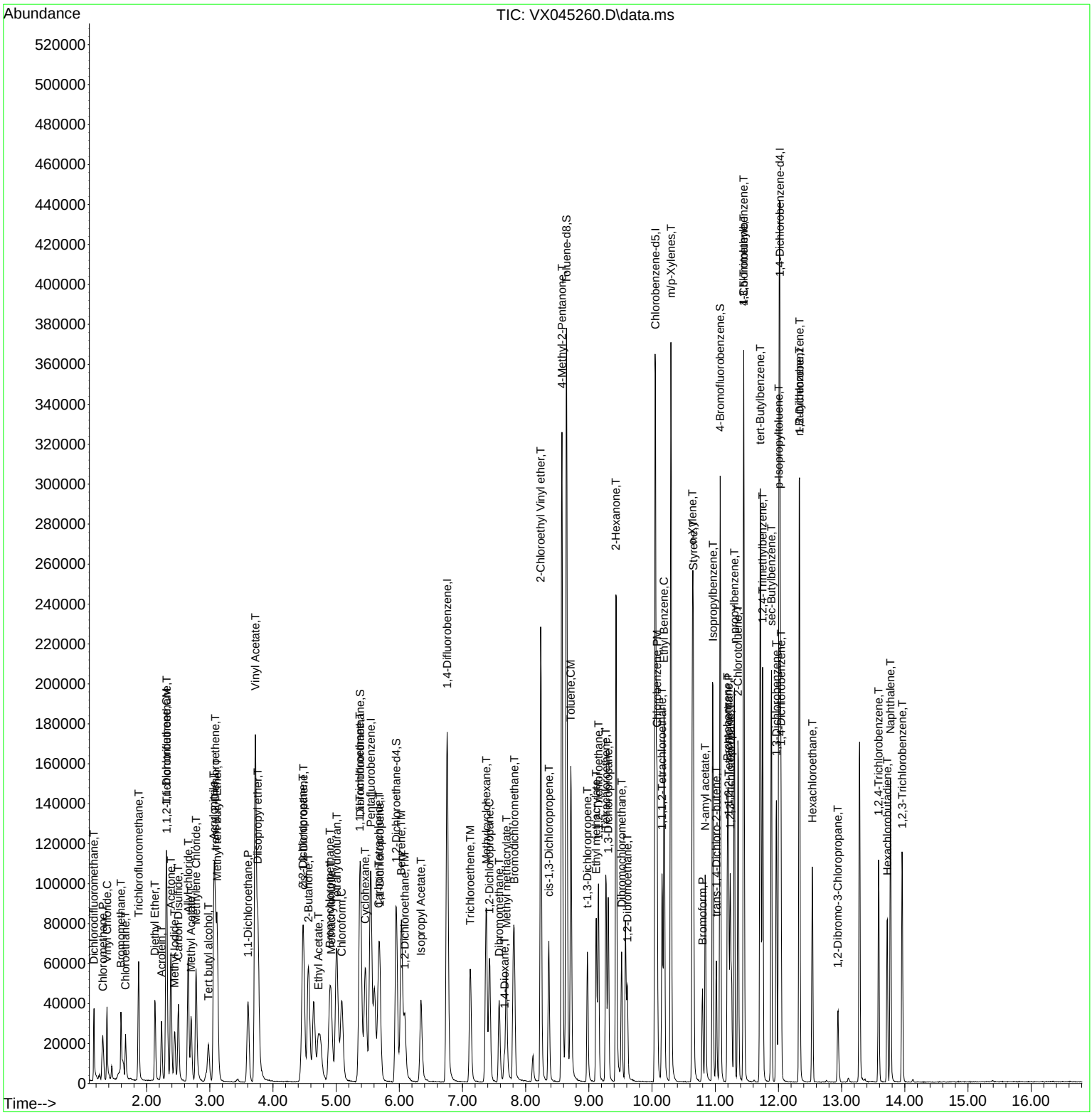
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ALS Vial : 5 Sample Multiplier: 1

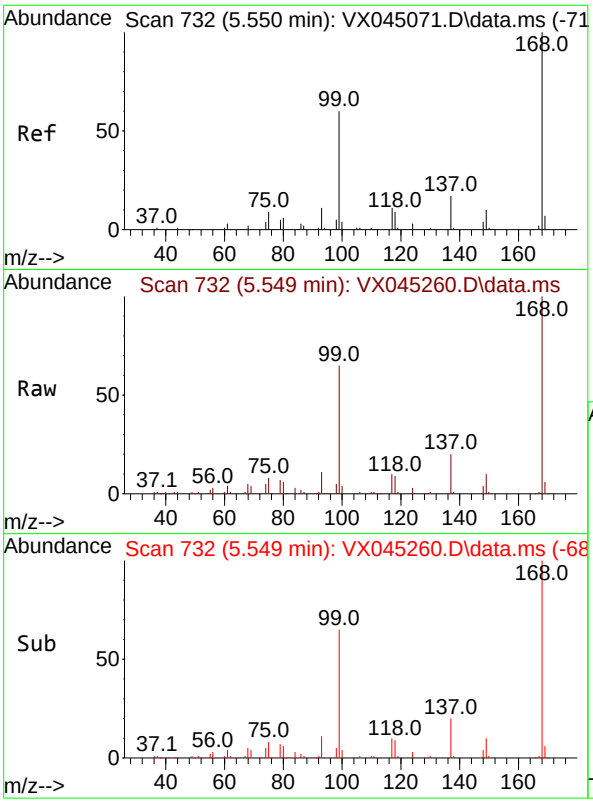
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

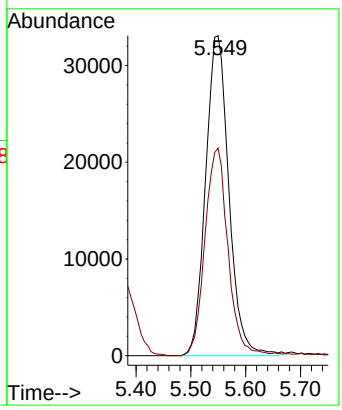




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:168 Resp: 9741

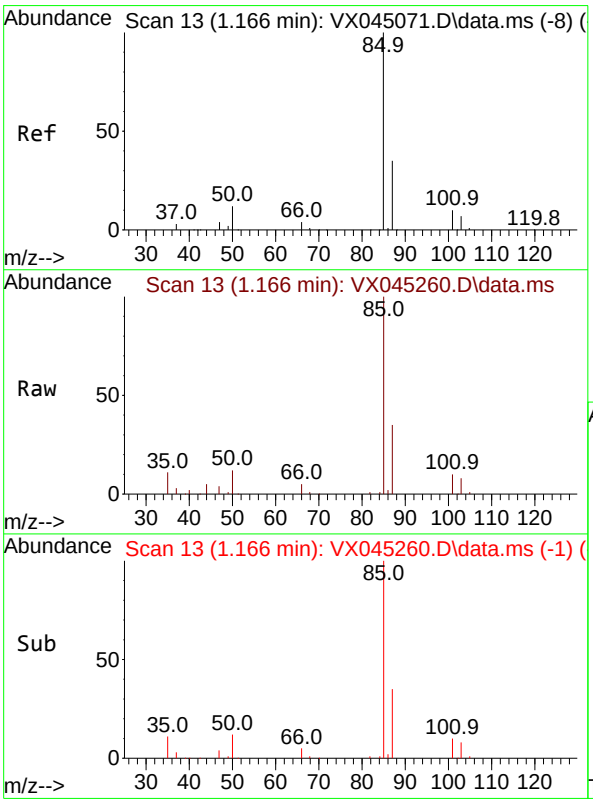
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

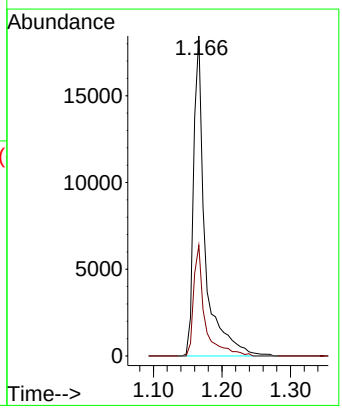
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

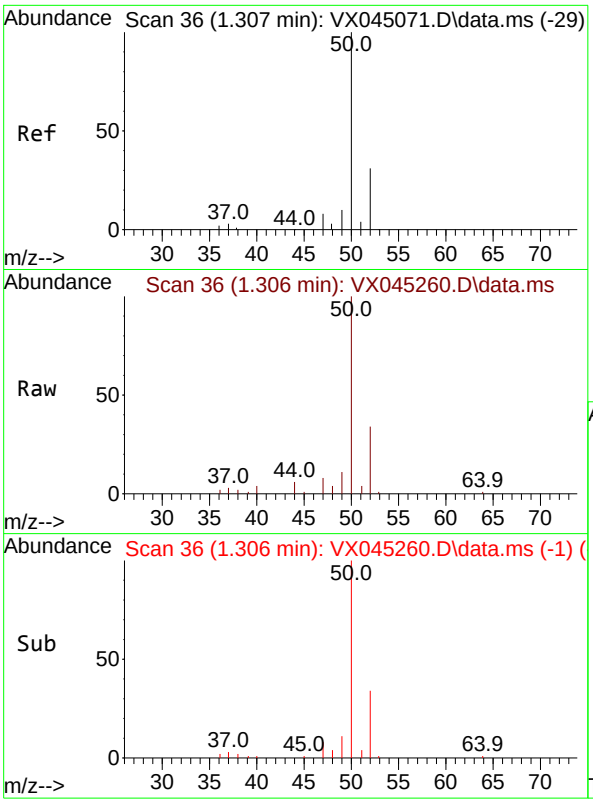


#2
Dichlorodifluoromethane
Concen: 17.645 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 85 Resp: 21635

Ion	Ratio	Lower	Upper
85	100		
87	34.5	17.4	52.3

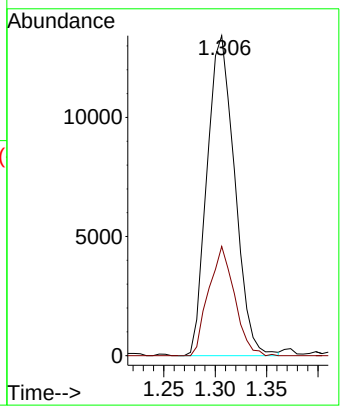




#3
Chloromethane
Concen: 16.727 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 50 Resp: 2510

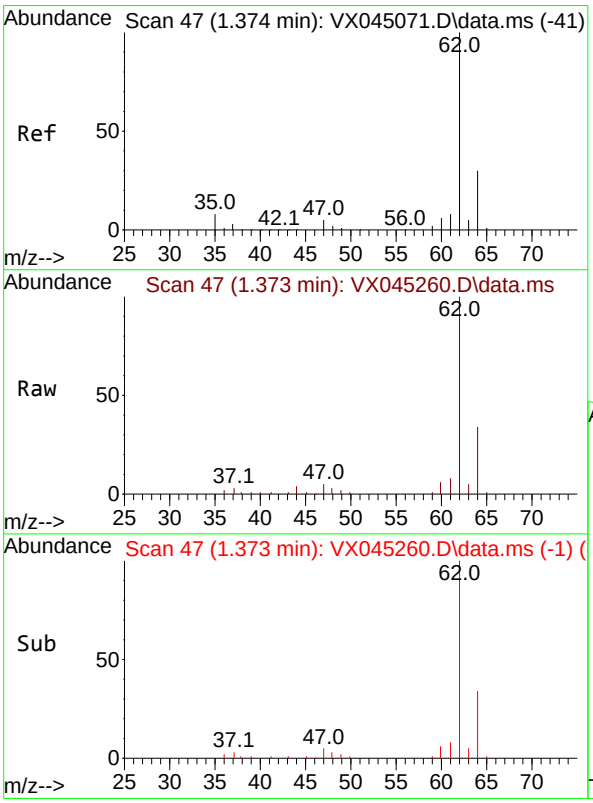
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

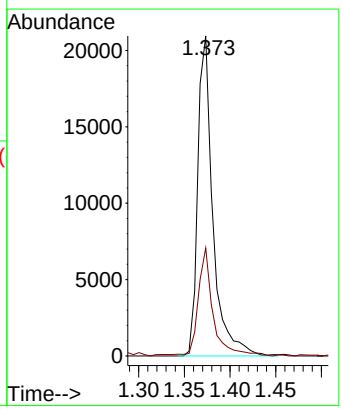
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

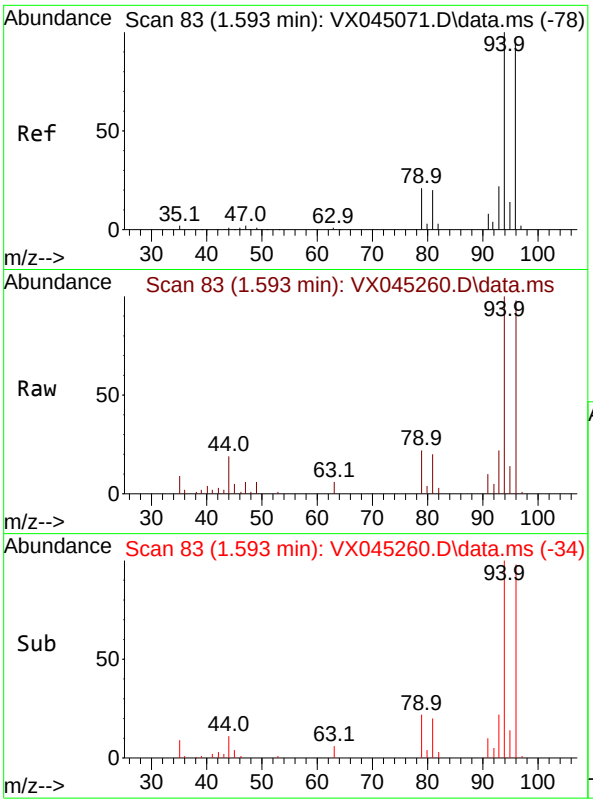


#4
Vinyl Chloride
Concen: 16.193 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 62 Resp: 24105

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5

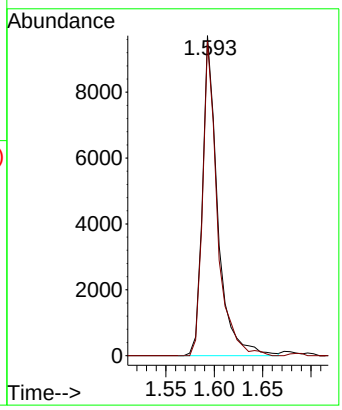




#5
Bromomethane
Concen: 18.232 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 94 Resp: 1066

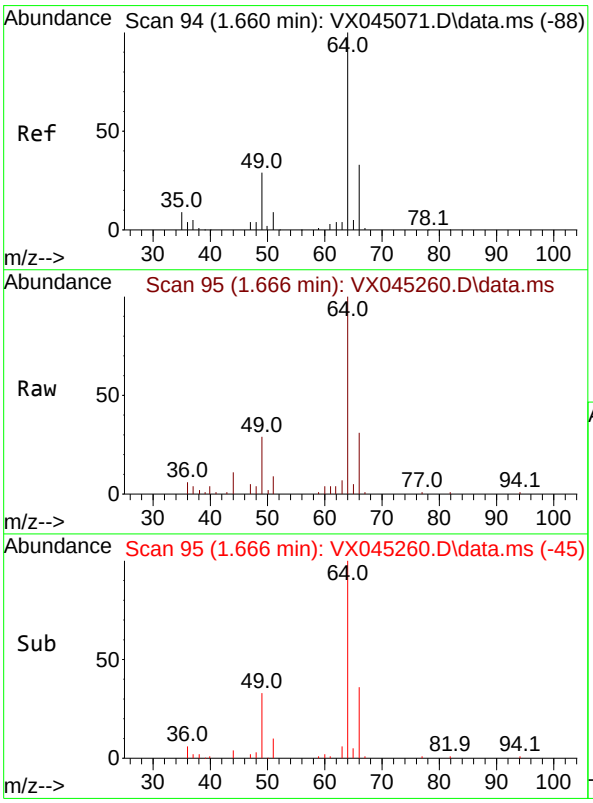
Ion	Ratio	Lower	Upper
94	100		
96	98.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

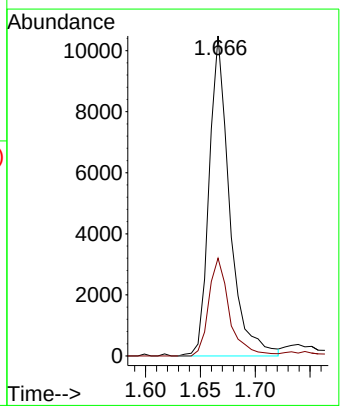
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

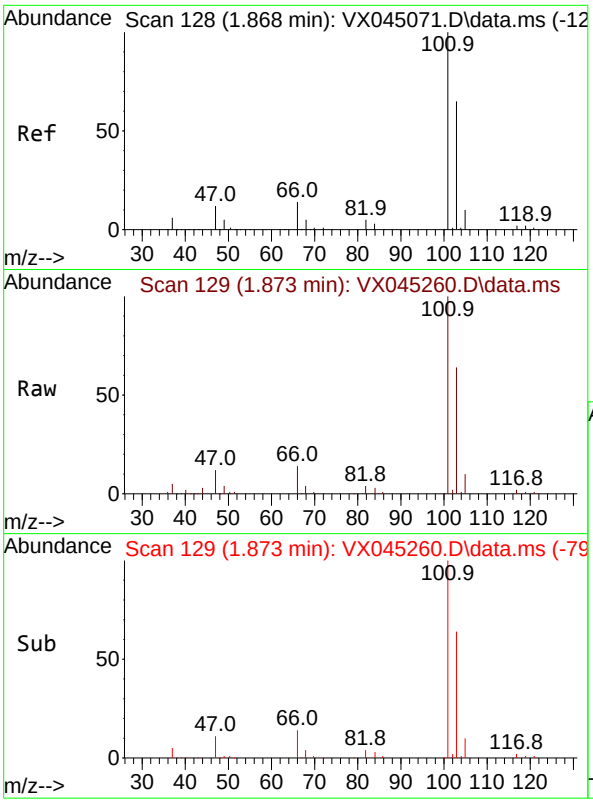


#6
Chloroethane
Concen: 19.844 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 64 Resp: 13625

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.7	40.1

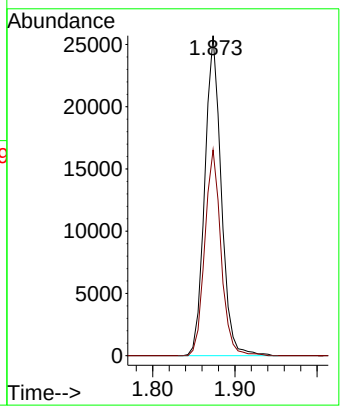




#7
Trichlorofluoromethane
Concen: 18.154 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:101 Resp: 3577

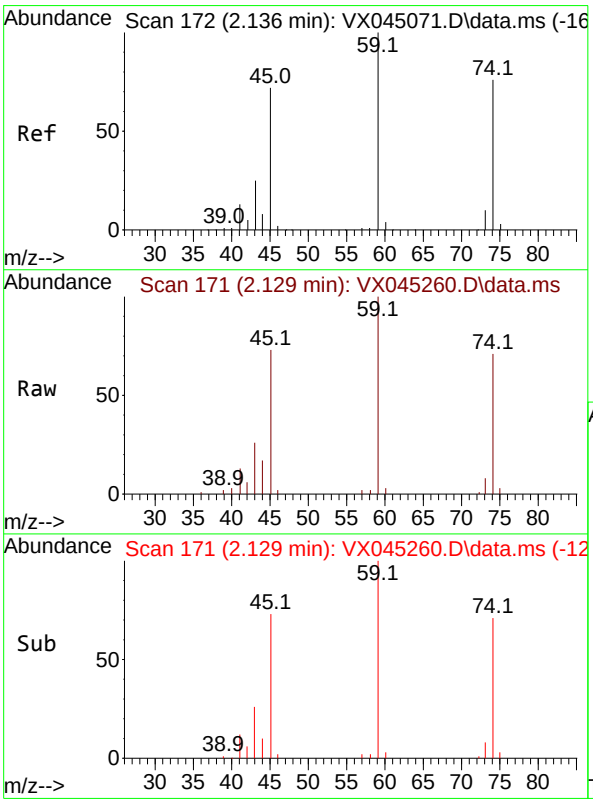
Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

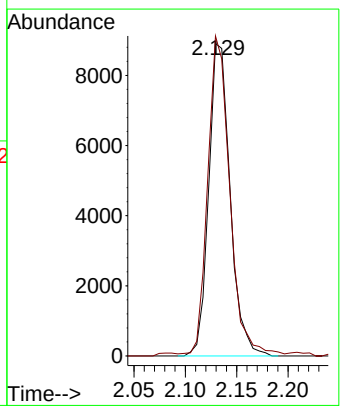
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

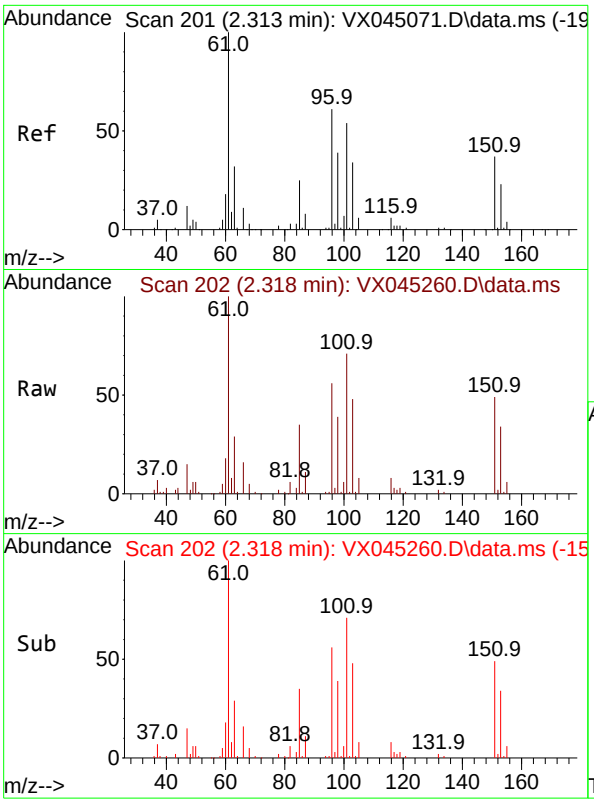


#8
Diethyl Ether
Concen: 16.774 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 74 Resp: 12929

Ion	Ratio	Lower	Upper
74	100		
45	102.8	51.5	154.5

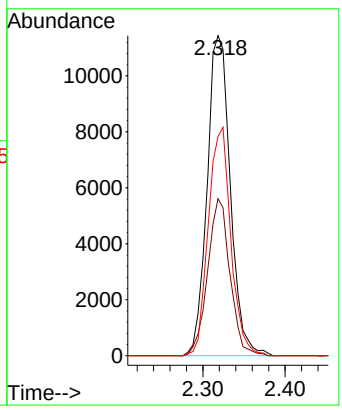




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.845 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:101 Resp: 2246

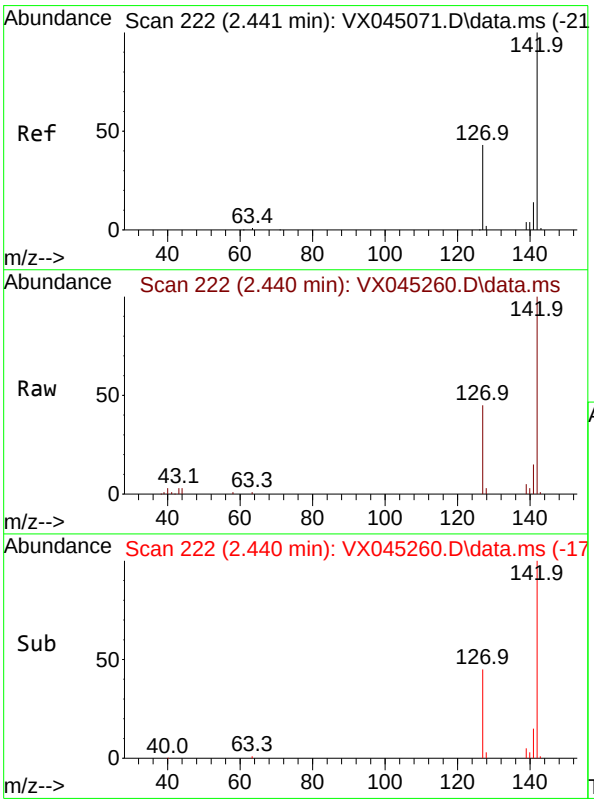
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	69.3	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

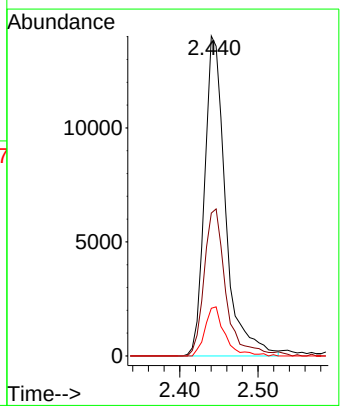
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

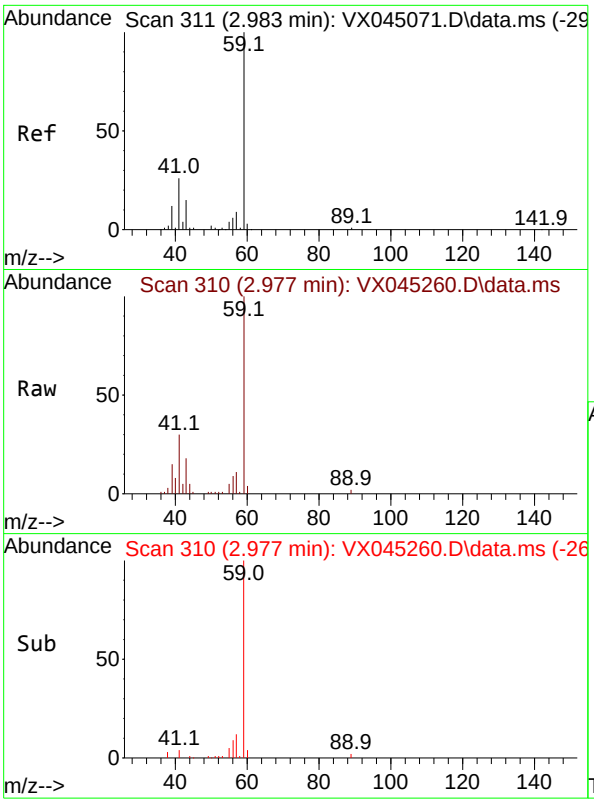


#10
Methyl Iodide
Concen: 18.406 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:142 Resp: 26042

Ion	Ratio	Lower	Upper
142	100		
127	47.9	35.4	53.2
141	14.6	11.6	17.4

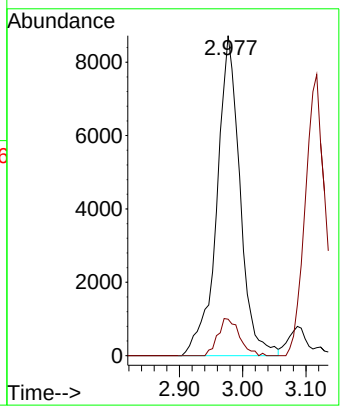




#11
Tert butyl alcohol
Concen: 75.515 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 59 Resp: 2216

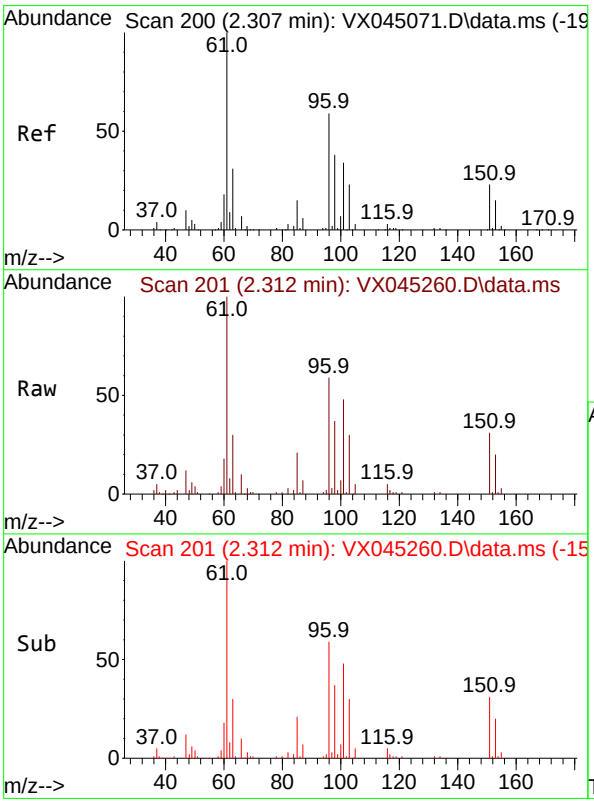
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

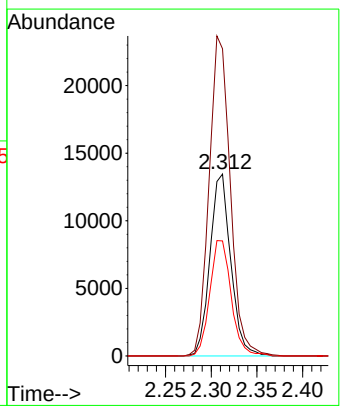
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

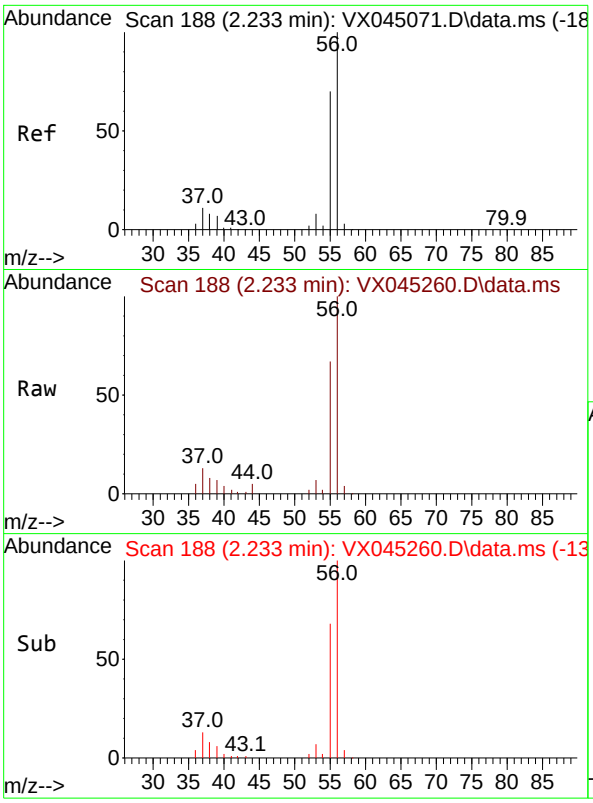


#12
1,1-Dichloroethene
Concen: 17.840 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 96 Resp: 21354

Ion	Ratio	Lower	Upper
96	100		
61	168.9	134.6	202.0
98	63.3	51.0	76.6

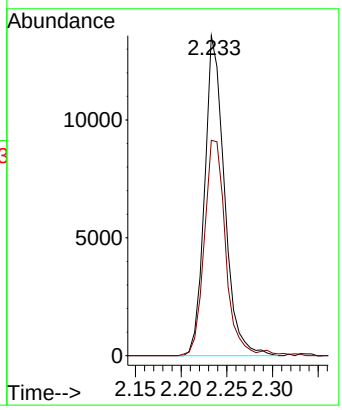




#13
Acrolein
Concen: 60.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 56 Resp: 2042

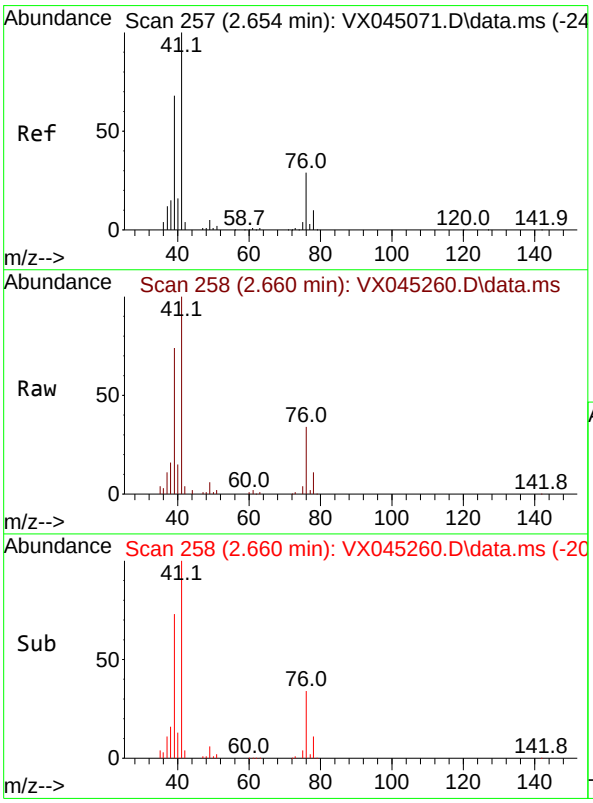
Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

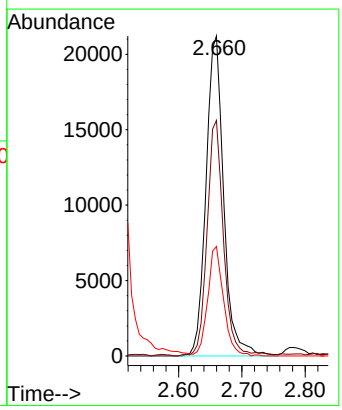
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

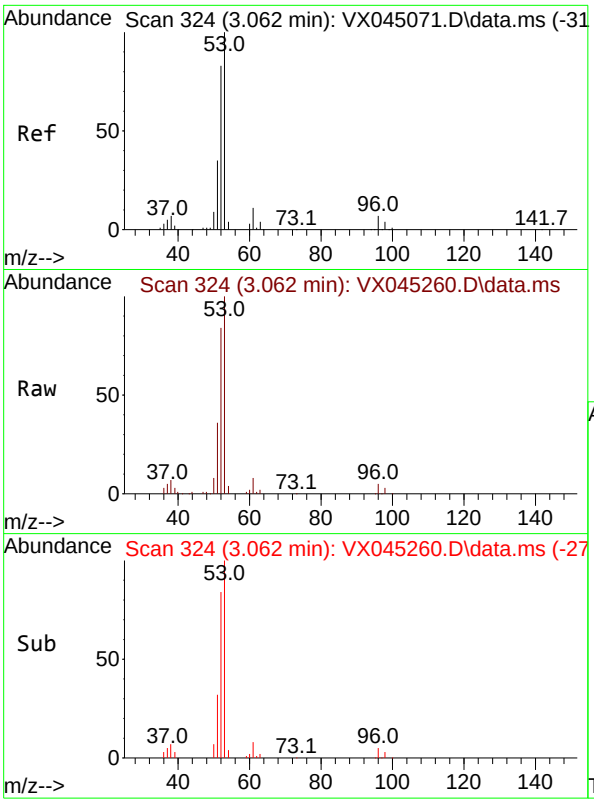


#14
Allyl chloride
Concen: 19.377 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 41 Resp: 41286

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	30.6	25.2	37.8

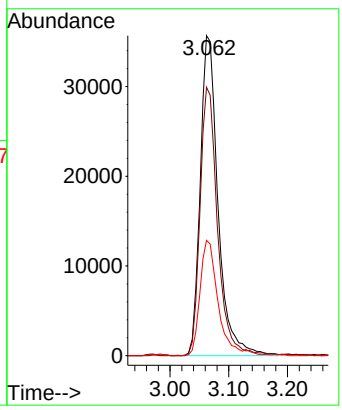




#15
Acrylonitrile
Concen: 95.563 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 53 Resp: 7516

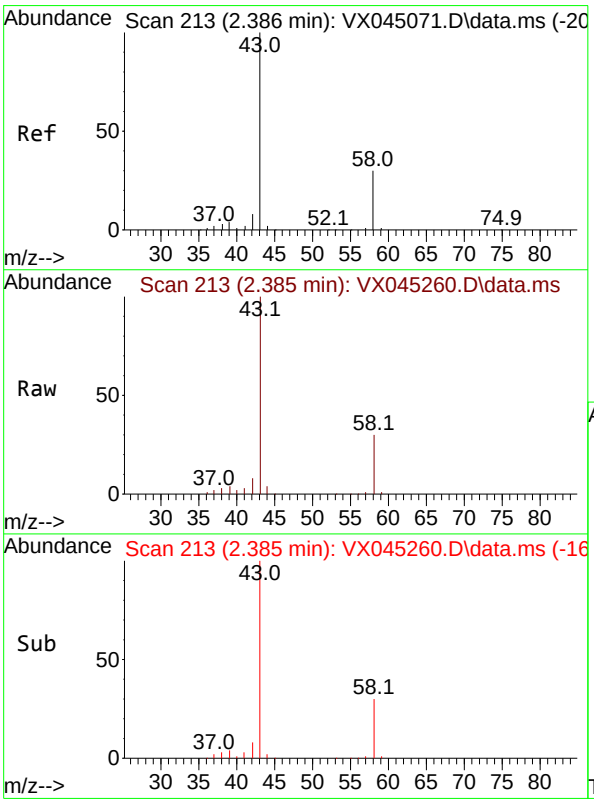
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

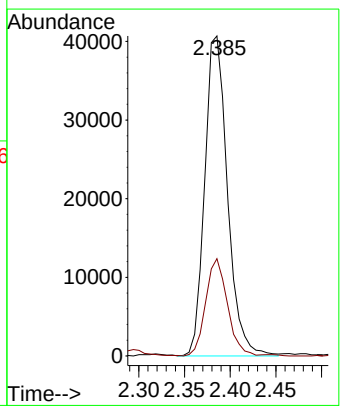
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

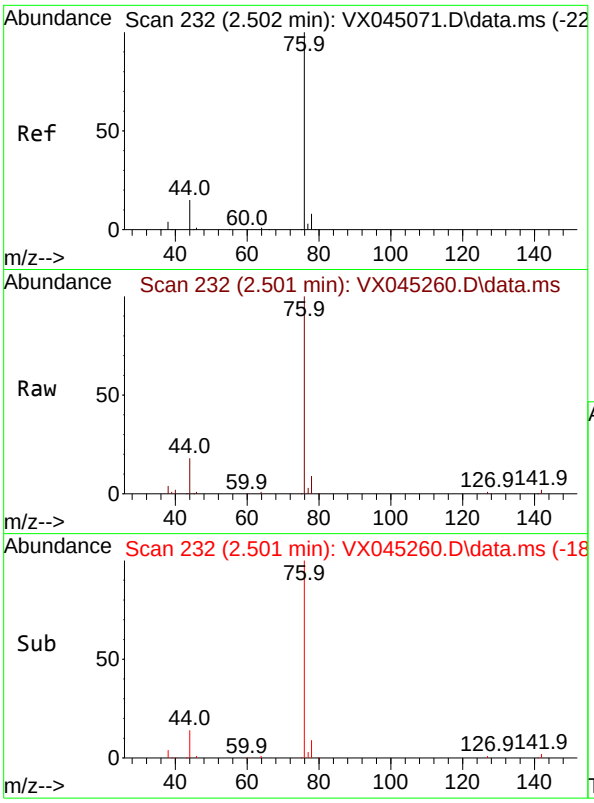


#16
Acetone
Concen: 97.942 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 70410

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

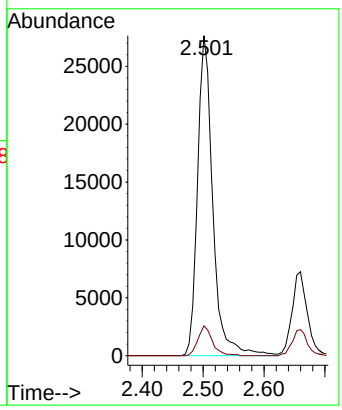




#17
Carbon Disulfide
Concen: 15.049 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 76 Resp: 4797

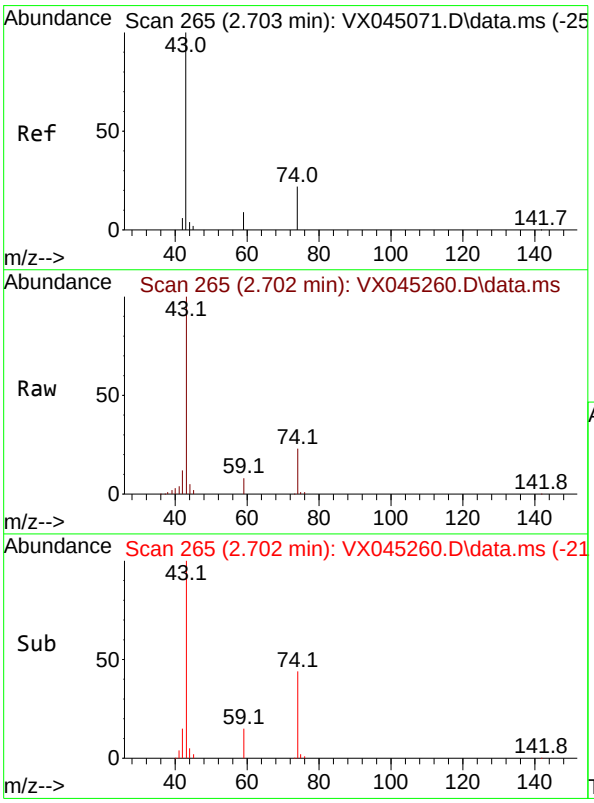
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

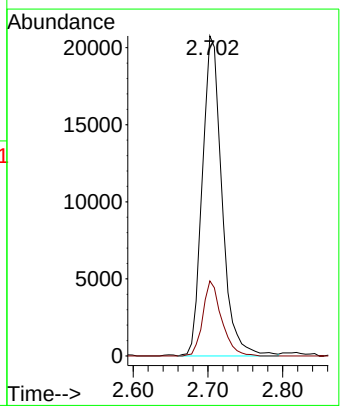
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

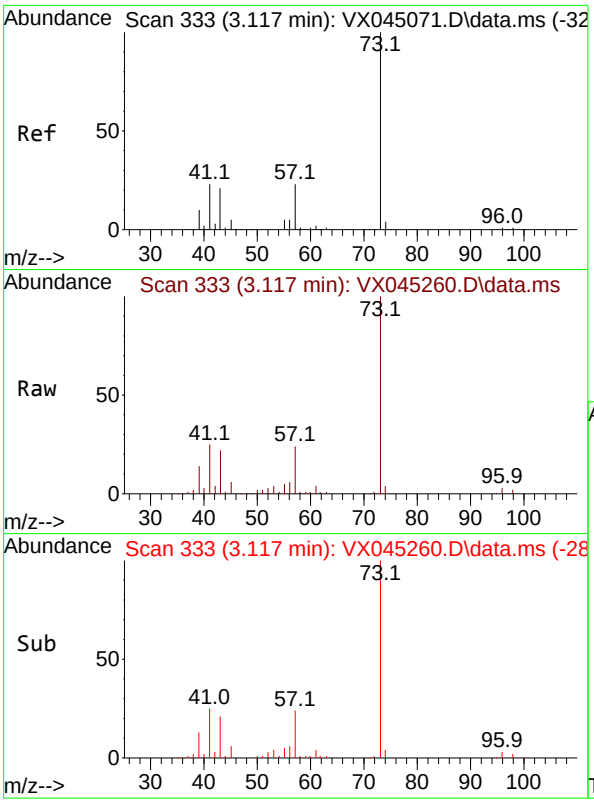


#18
Methyl Acetate
Concen: 21.970 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 37996

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2

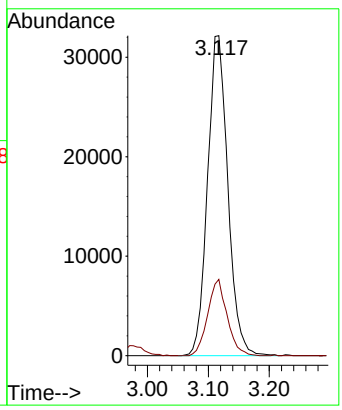




#19
Methyl tert-butyl Ether
Concen: 18.526 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 73 Resp: 7439

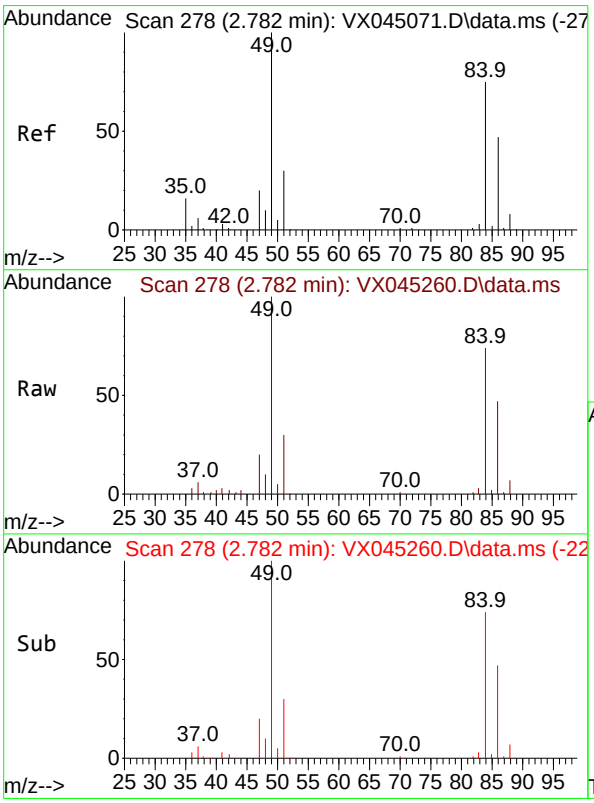
Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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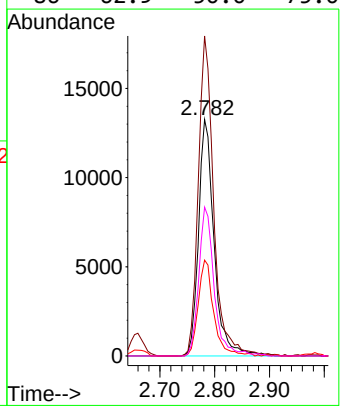
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

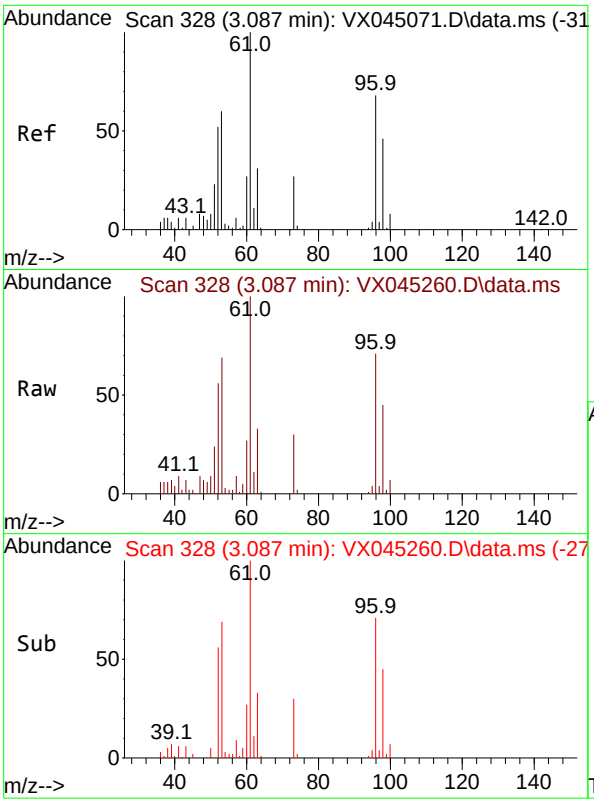


#20
Methylene Chloride
Concen: 18.384 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 84 Resp: 26180

Ion	Ratio	Lower	Upper
84	100		
49	135.3	106.5	159.7
51	40.5	32.1	48.1
86	62.9	50.0	75.0

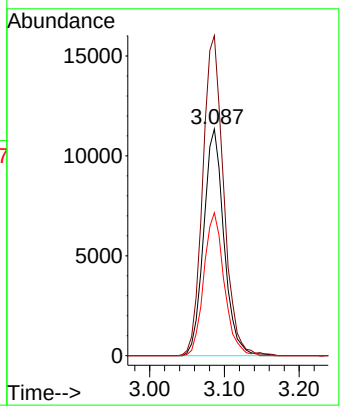




#21
trans-1,2-Dichloroethene
Concen: 18.123 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 96 Resp: 2143

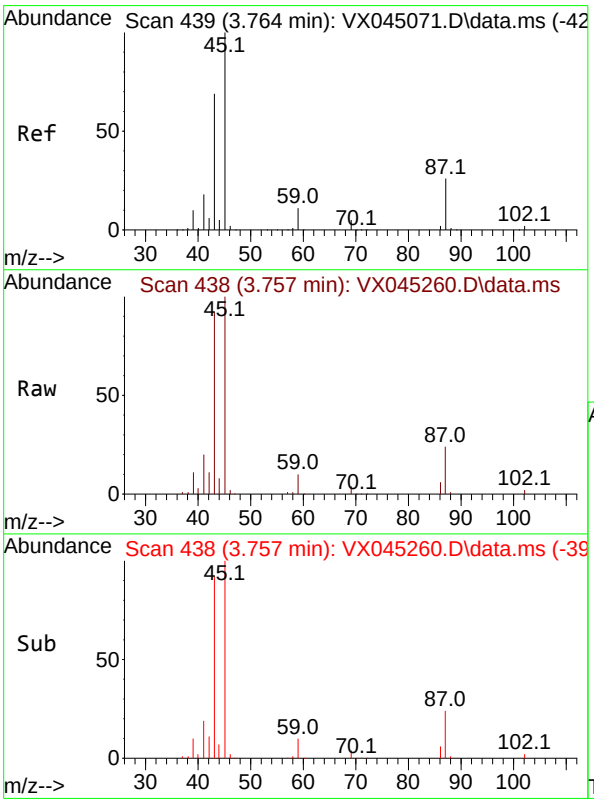
Ion	Ratio	Lower	Upper
96	100		
61	141.2	117.0	175.4
98	63.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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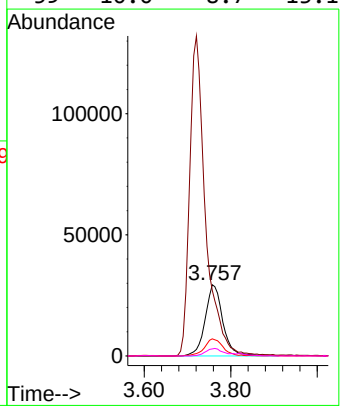
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

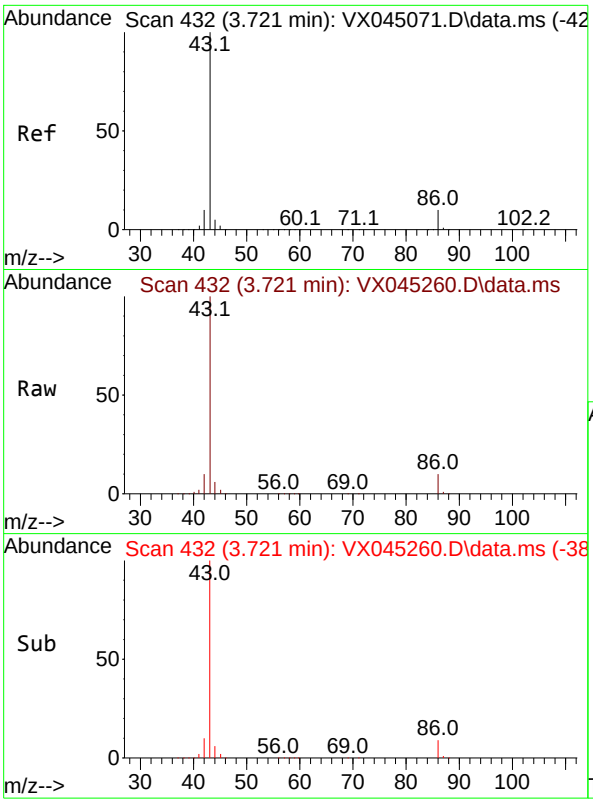


#22
Diisopropyl ether
Concen: 19.249 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 45 Resp: 83408

Ion	Ratio	Lower	Upper
45	100		
43	91.2	54.9	82.3#
87	24.1	21.0	31.4
59	10.0	8.7	13.1





#23
Vinyl Acetate
Concen: 93.636 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

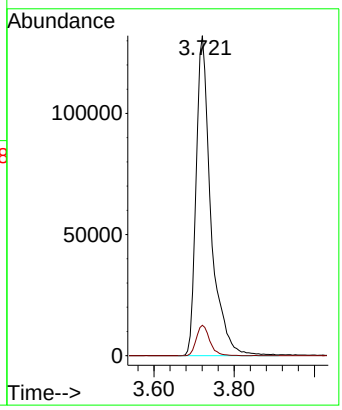
Tgt Ion: 43 Resp: 33859

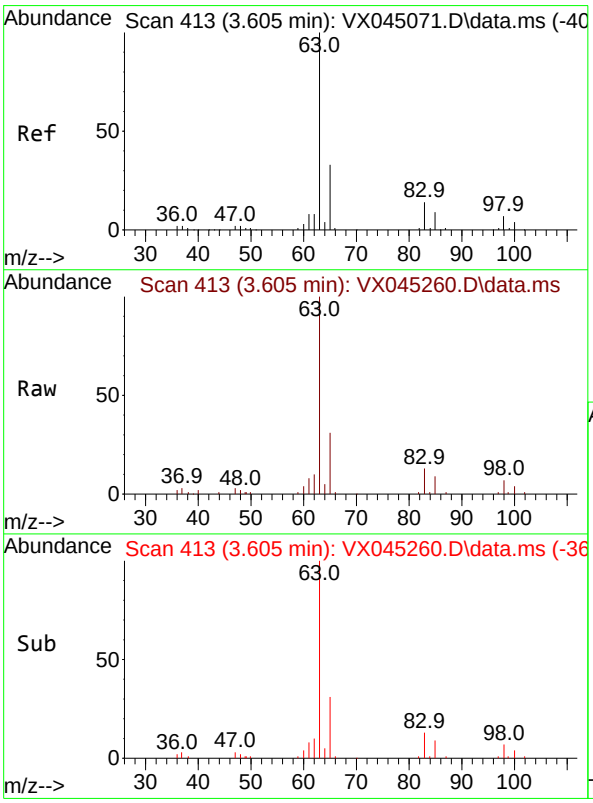
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

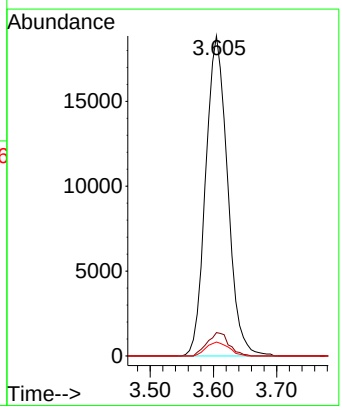


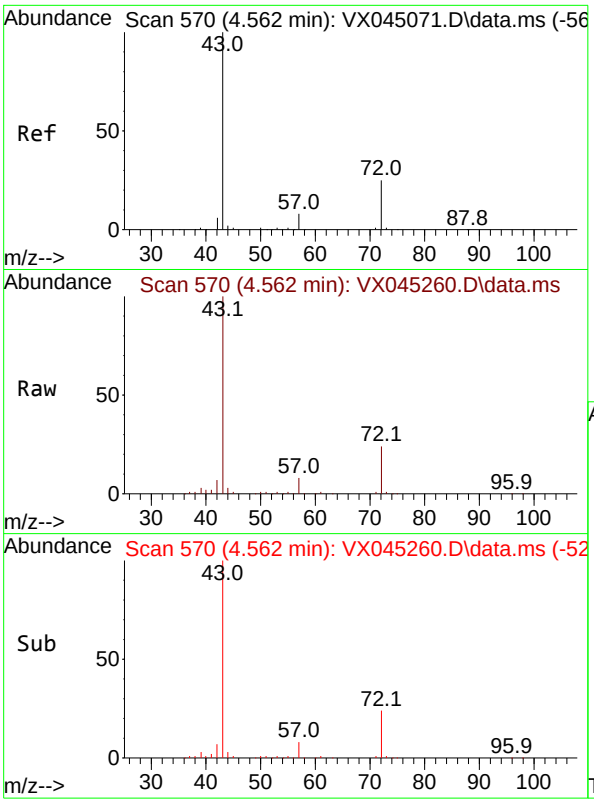


#24
1,1-Dichloroethane
Concen: 18.678 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 63 Resp: 45359

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.1	6.5

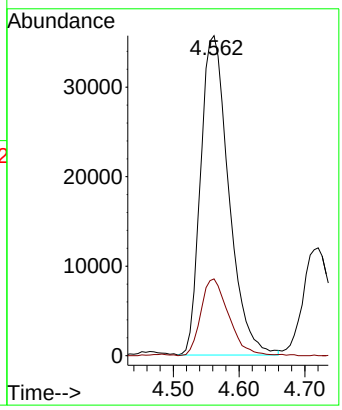




#25
2-Butanone
Concen: 98.177 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 10623

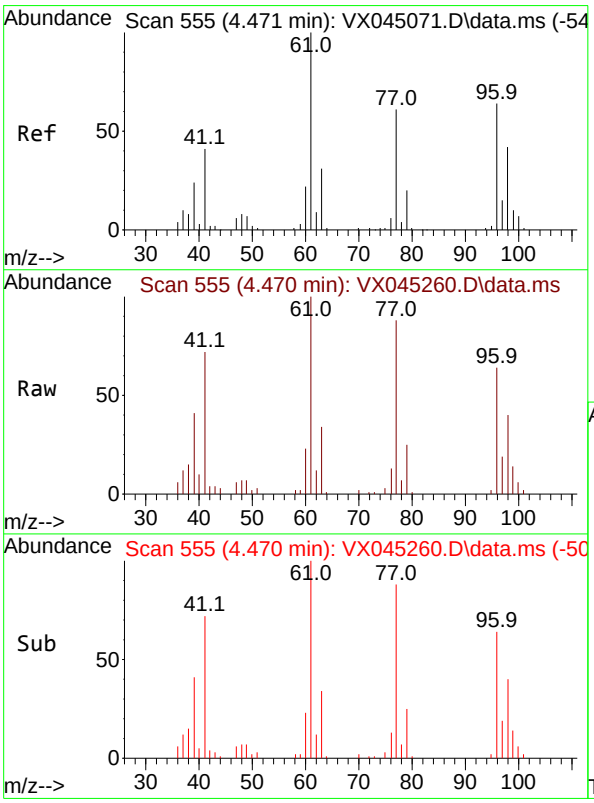
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

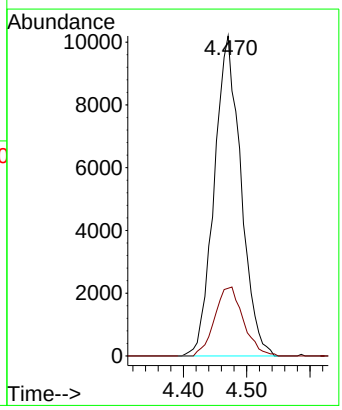
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

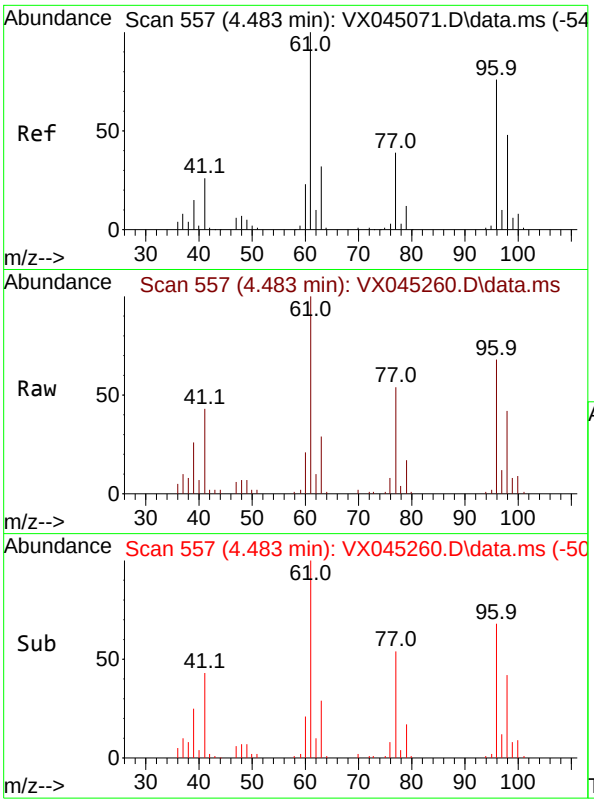


#26
2,2-Dichloropropane
Concen: 26.246 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 77 Resp: 29896

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0

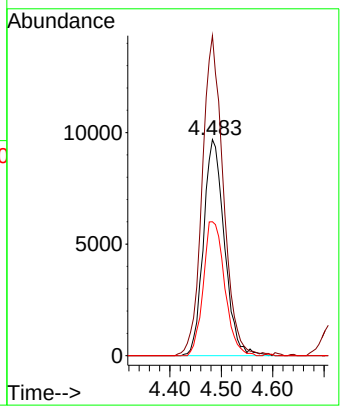




#27
cis-1,2-Dichloroethene
Concen: 18.770 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 96 Resp: 2740

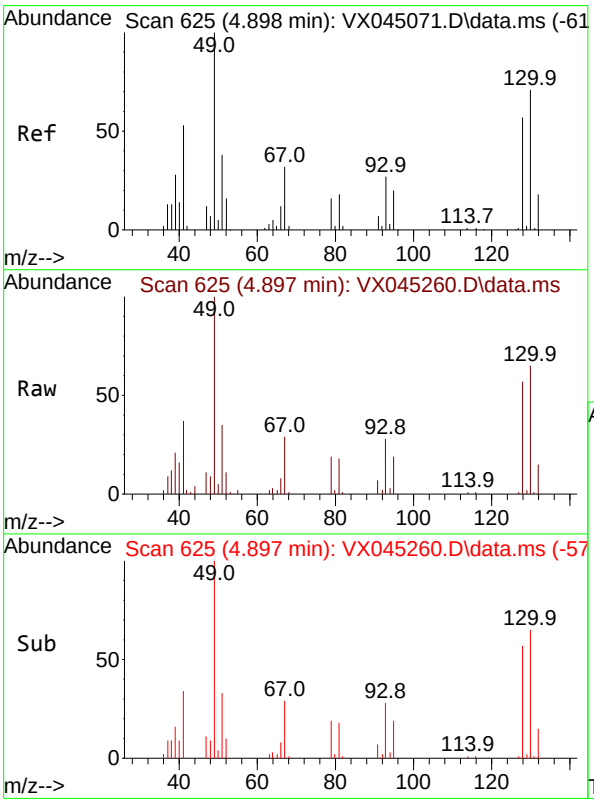
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	283.2
98	63.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

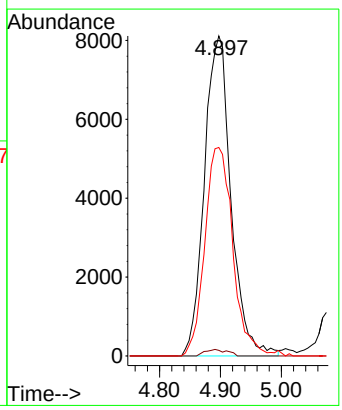
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

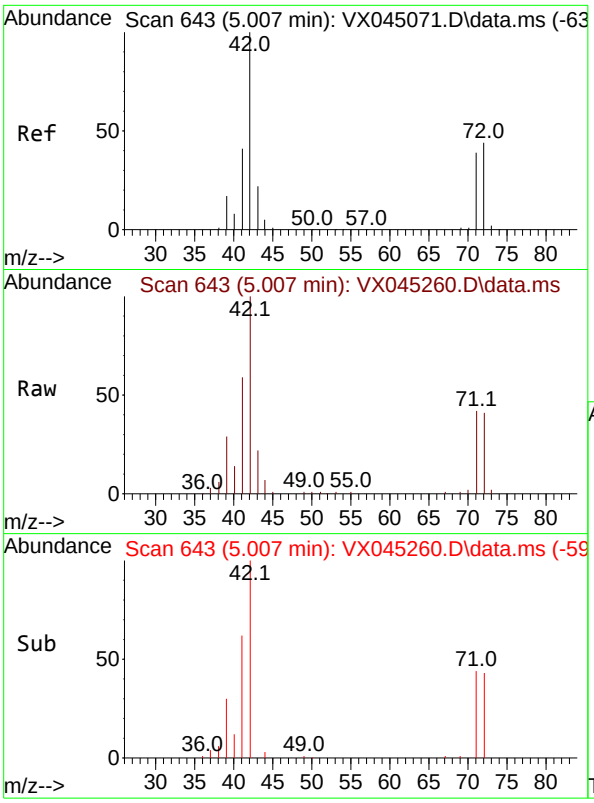


#28
Bromochloromethane
Concen: 21.300 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 49 Resp: 24655

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.4	56.1	84.1





#29
Tetrahydrofuran
Concen: 91.099 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

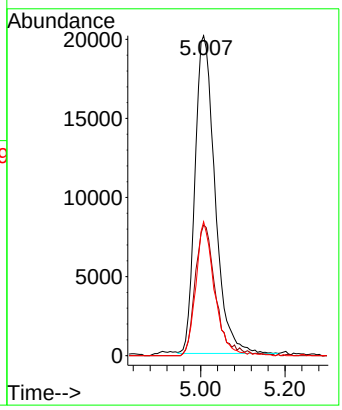
Tgt Ion: 42 Resp: 6620

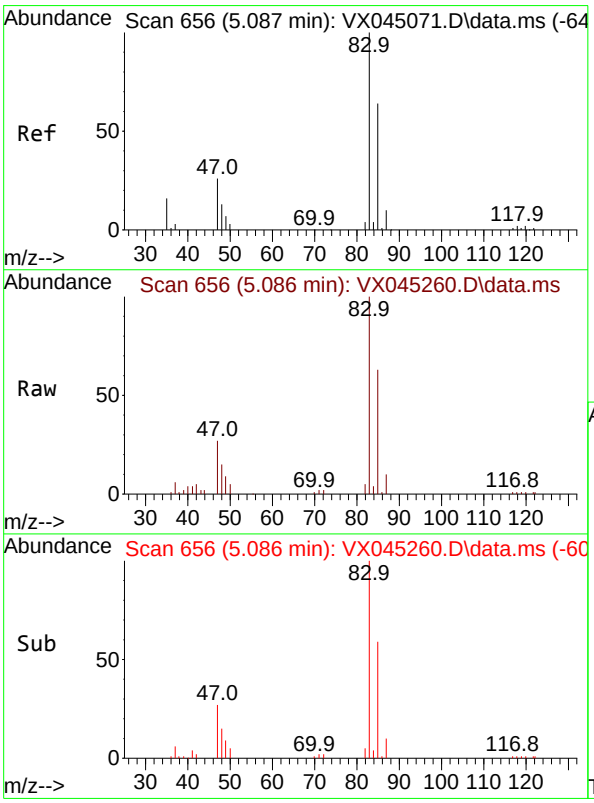
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

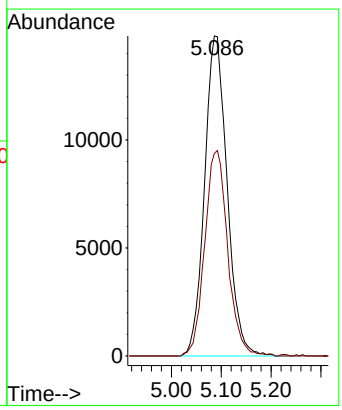


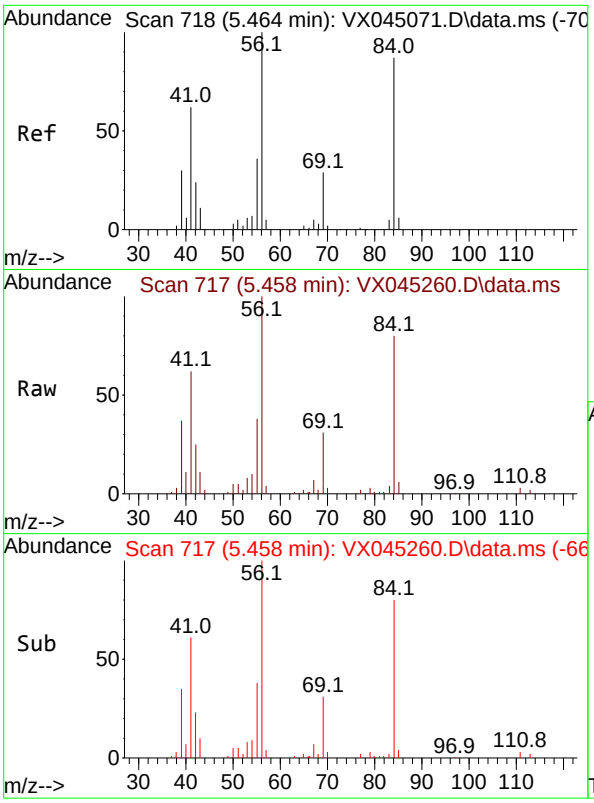


#30
Chloroform
Concen: 19.287 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 83 Resp: 46538

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2

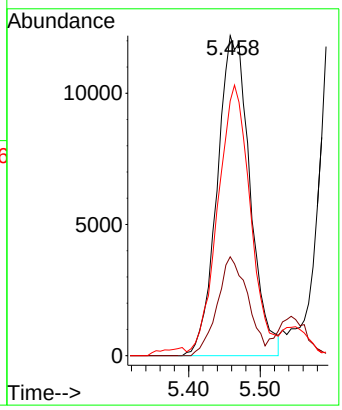




#31
Cyclohexane
Concen: 18.387 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 56 Resp: 3876

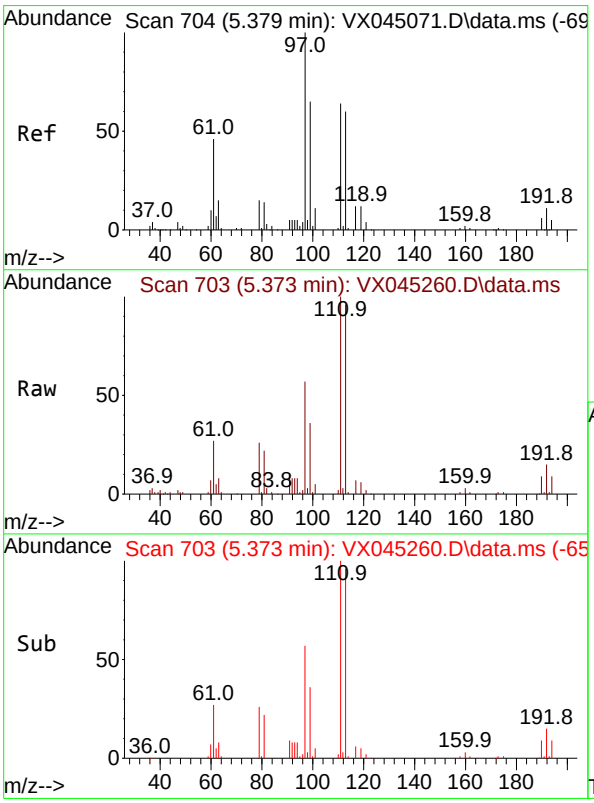
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.4	35.2
84	77.4	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

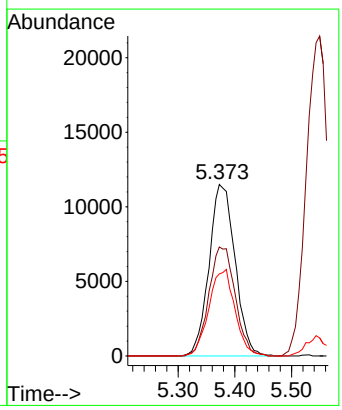
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

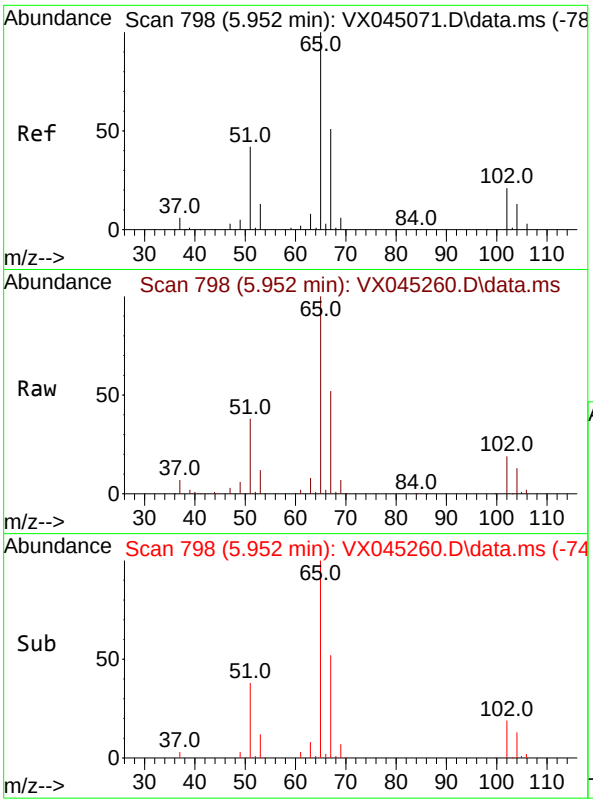


#32
1,1,1-Trichloroethane
Concen: 18.786 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 97 Resp: 36612

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.5	38.4	57.6

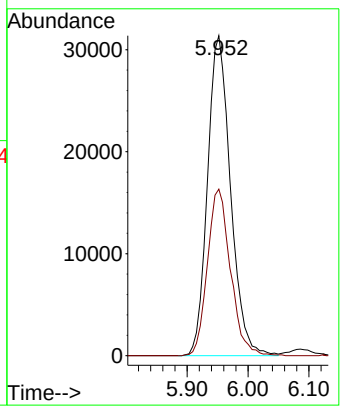




#33
1,2-Dichloroethane-d4
Concen: 53.237 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 65 Resp: 8248

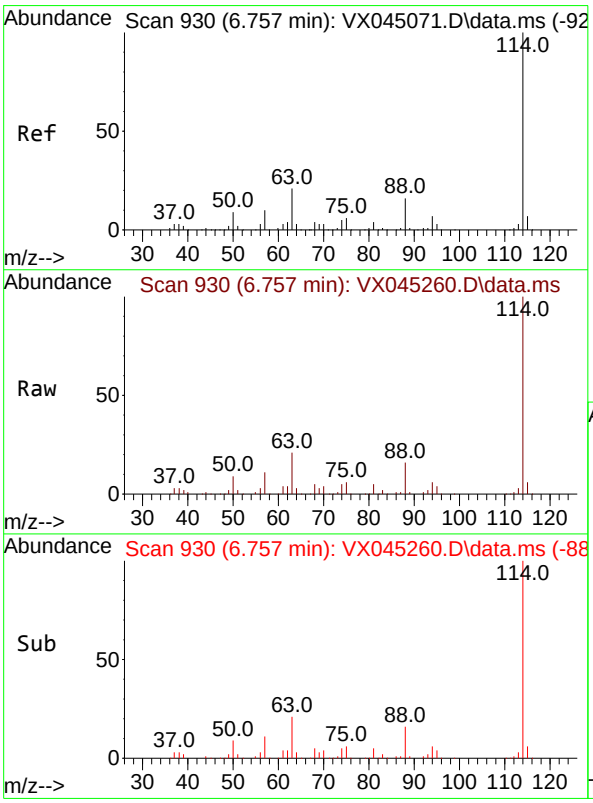
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

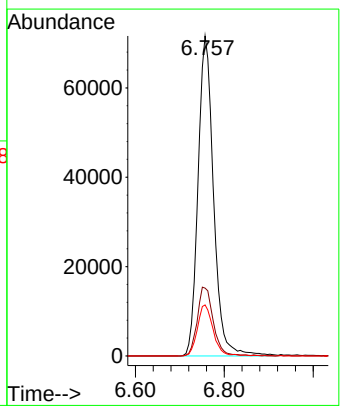
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

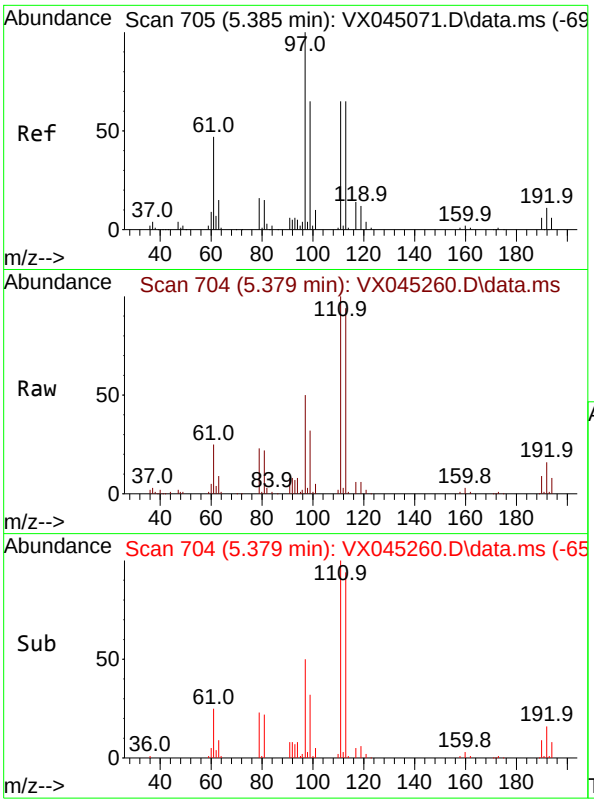


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:114 Resp: 174469

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.9	0.0	32.8

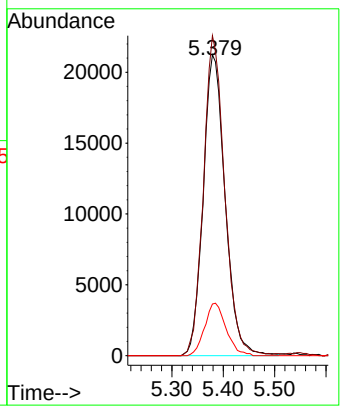




#35
Dibromofluoromethane
Concen: 53.849 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:113 Resp: 6282

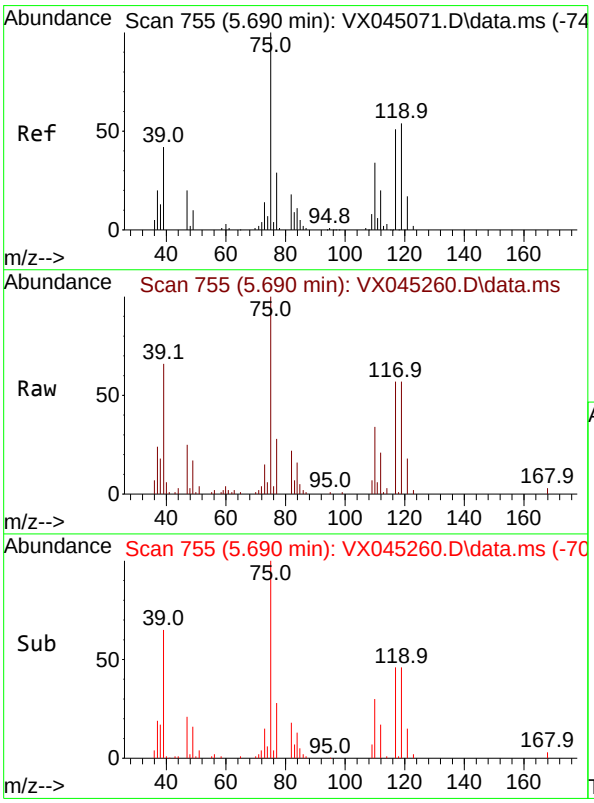
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.0	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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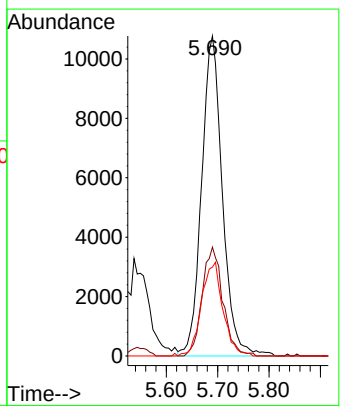
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

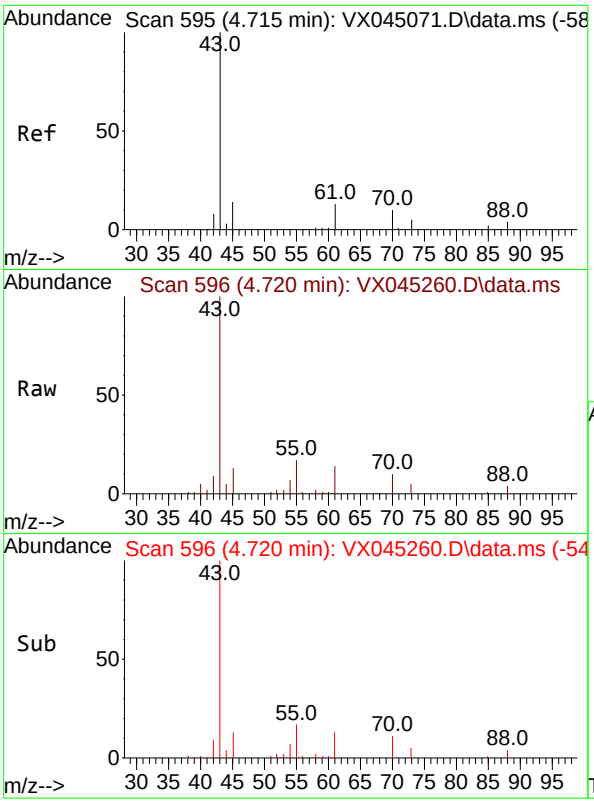


#36
1,1-Dichloropropene
Concen: 18.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 30345

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	30.2	24.5	36.7

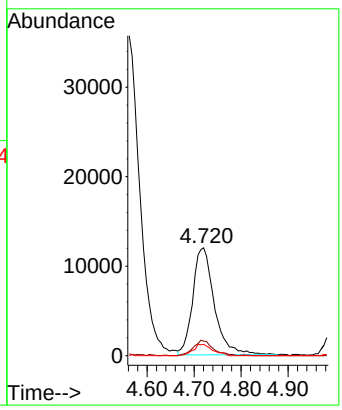




#37
Ethyl Acetate
Concen: 18.489 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 3811

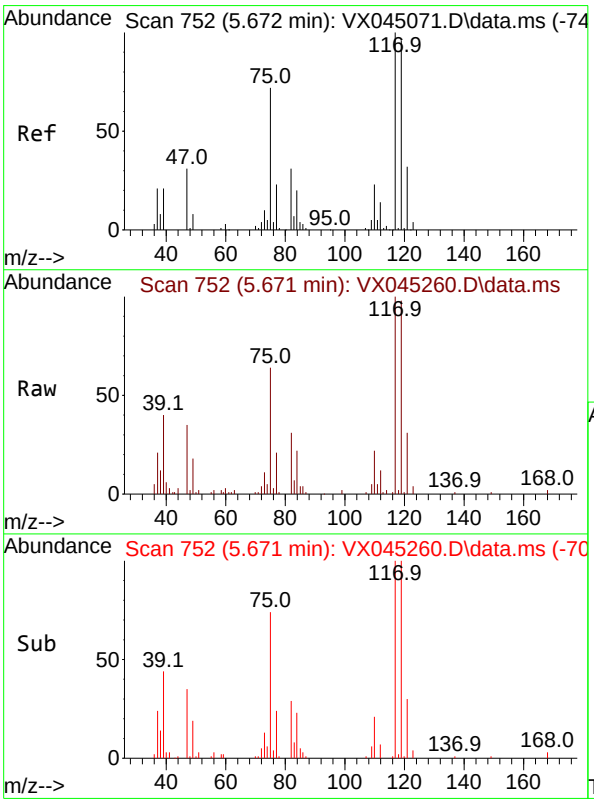
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.5	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

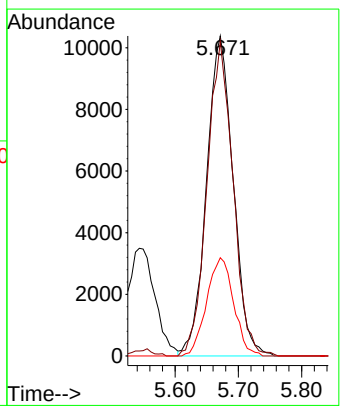
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

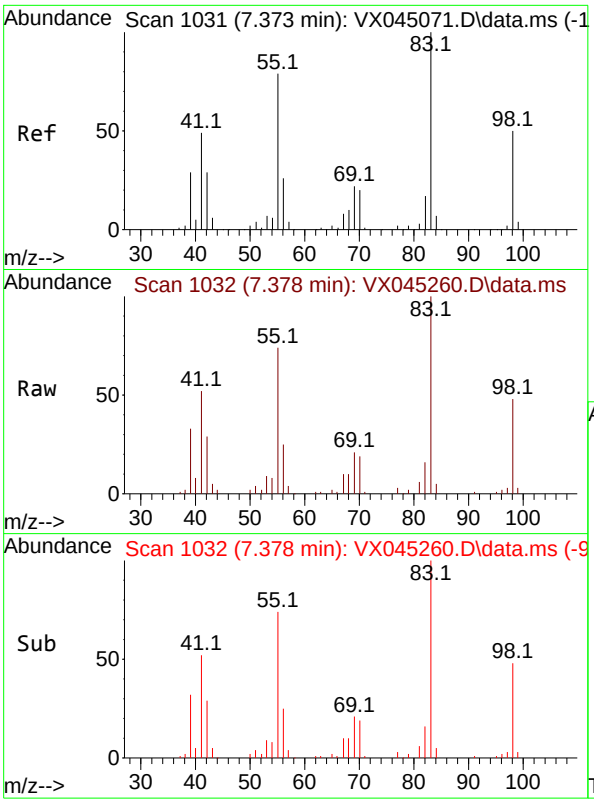


#38
Carbon Tetrachloride
Concen: 18.728 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:117 Resp: 30420

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.7	115.1
121	30.7	25.5	38.3

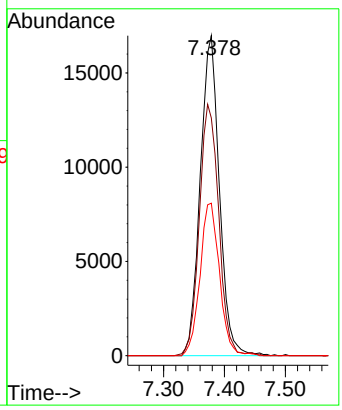




#39
Methylcyclohexane
Concen: 19.328 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 83 Resp: 3705

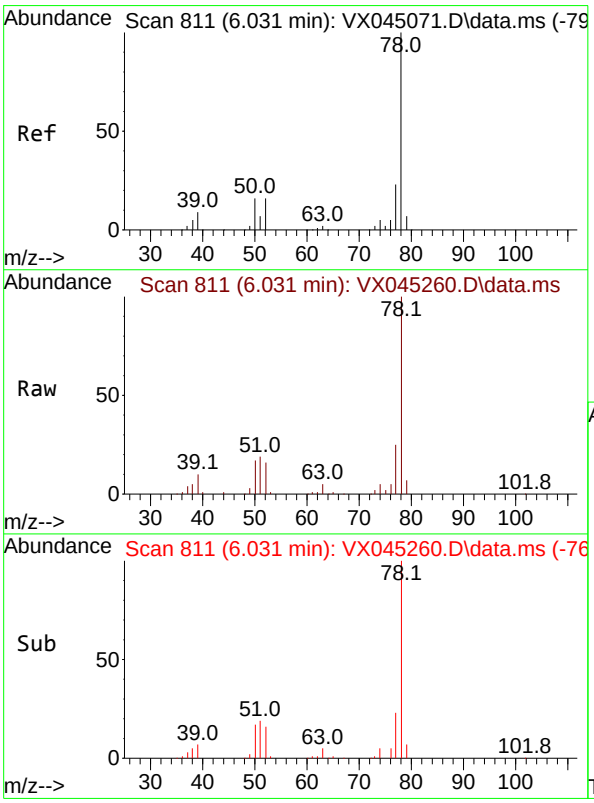
Ion	Ratio	Lower	Upper
83	100		
55	74.3	63.0	94.4
98	47.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

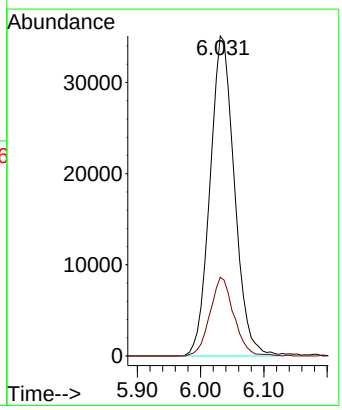
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

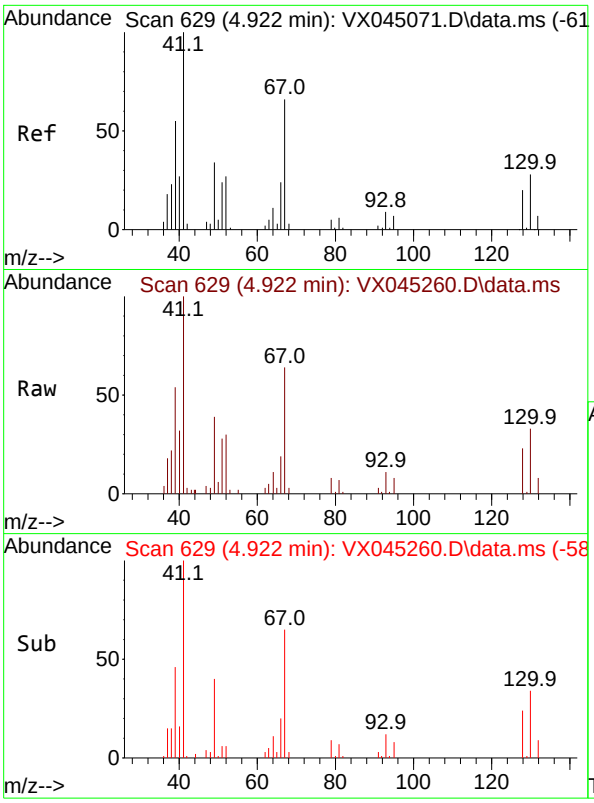


#40
Benzene
Concen: 18.630 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 78 Resp: 94123

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2

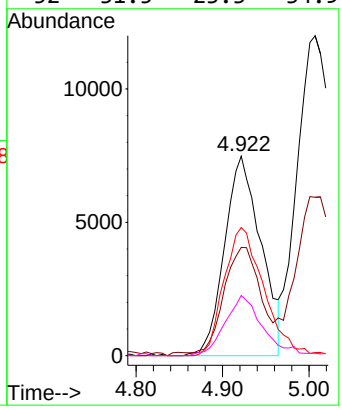




#41
Methacrylonitrile
Concen: 19.586 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 41 Resp: 2183

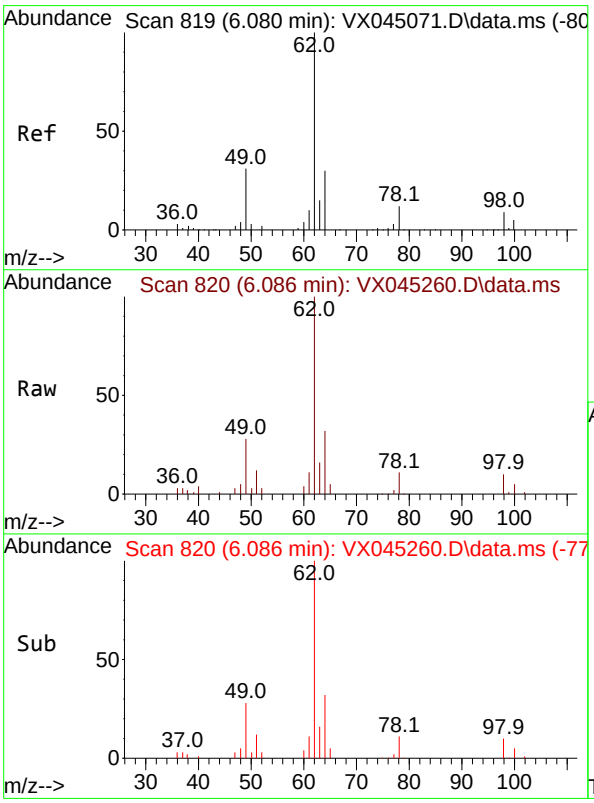
Ion	Ratio	Lower	Upper
41	100		
39	52.1	44.6	67.0
67	70.6	53.9	80.9
52	31.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

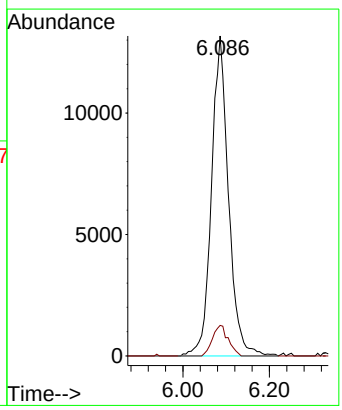
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

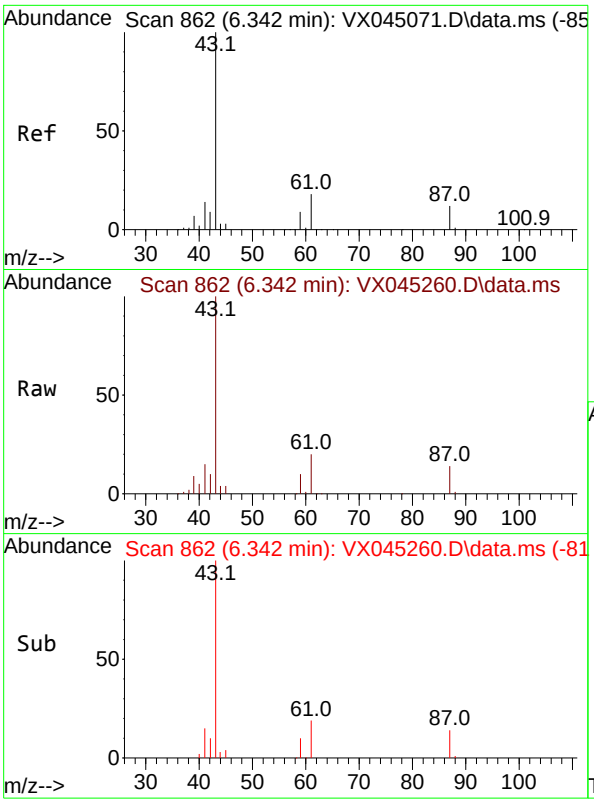


#42
1,2-Dichloroethane
Concen: 19.806 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 62 Resp: 36032

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.150 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

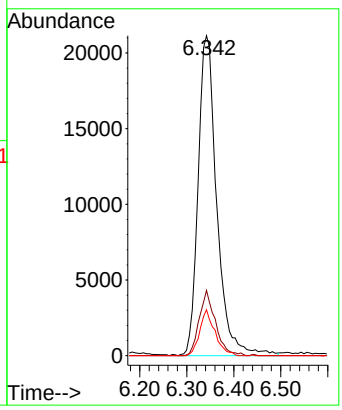
Tgt Ion: 43 Resp: 5837

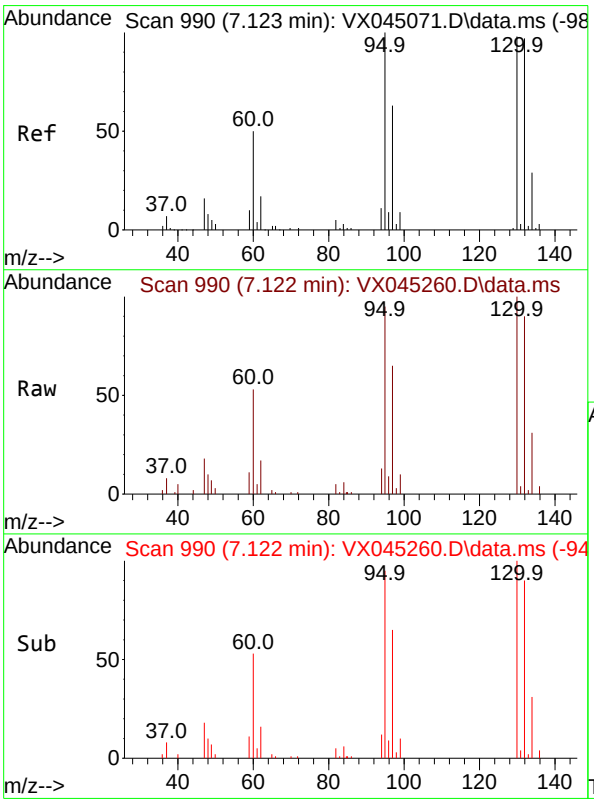
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.7	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

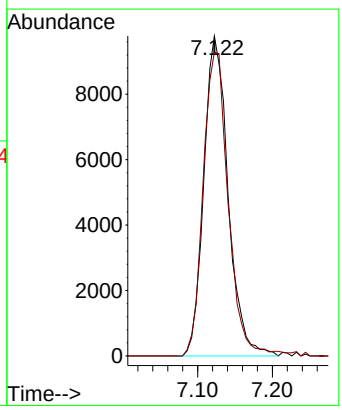


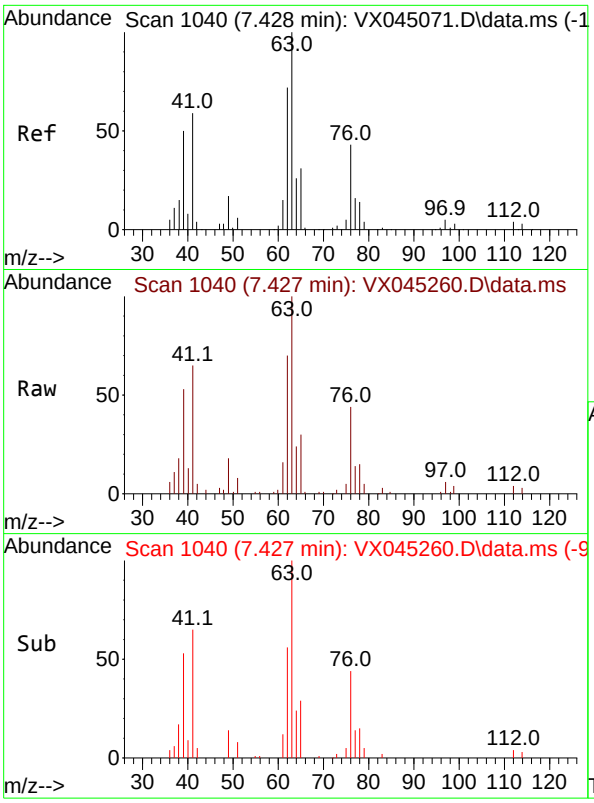


#44
Trichloroethene
Concen: 18.574 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:130 Resp: 22034

Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	205.0

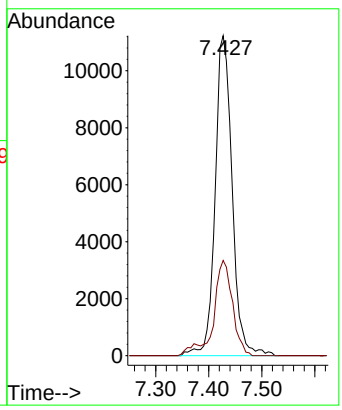




#45
1,2-Dichloropropane
Concen: 19.287 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 63 Resp: 2505

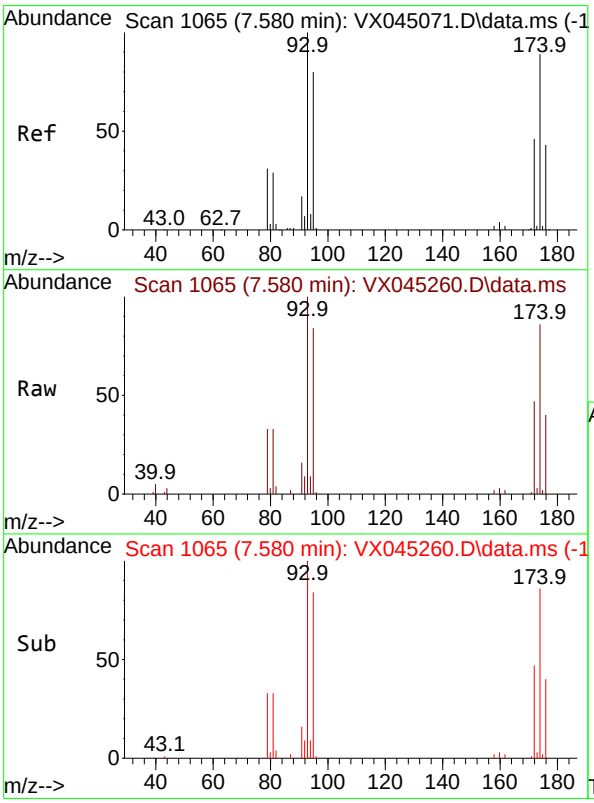
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

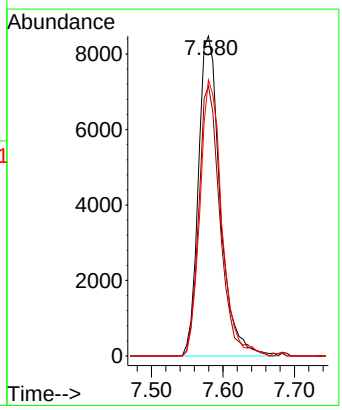
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

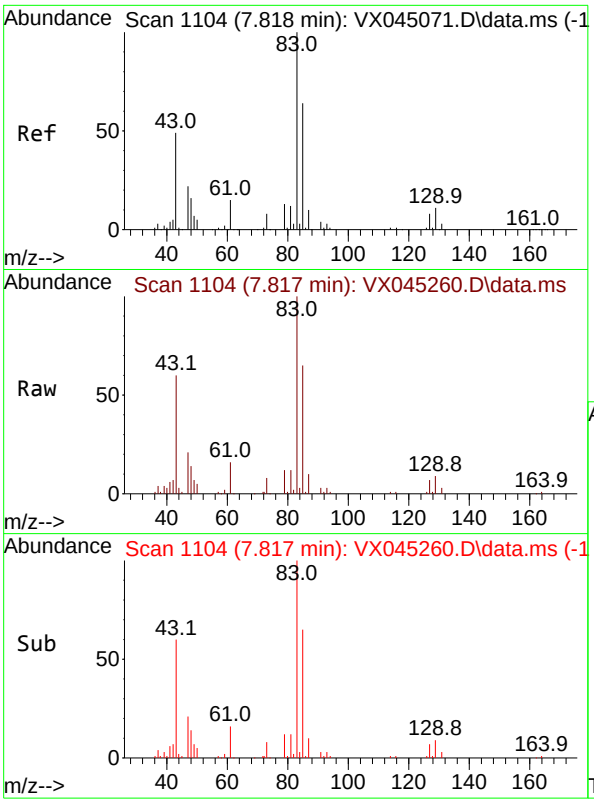


#46
Dibromomethane
Concen: 19.527 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 93 Resp: 17928

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	86.2	72.2	108.2

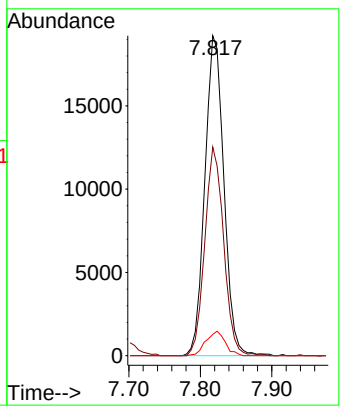




#47
Bromodichloromethane
Concen: 19.737 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 83 Resp: 3554

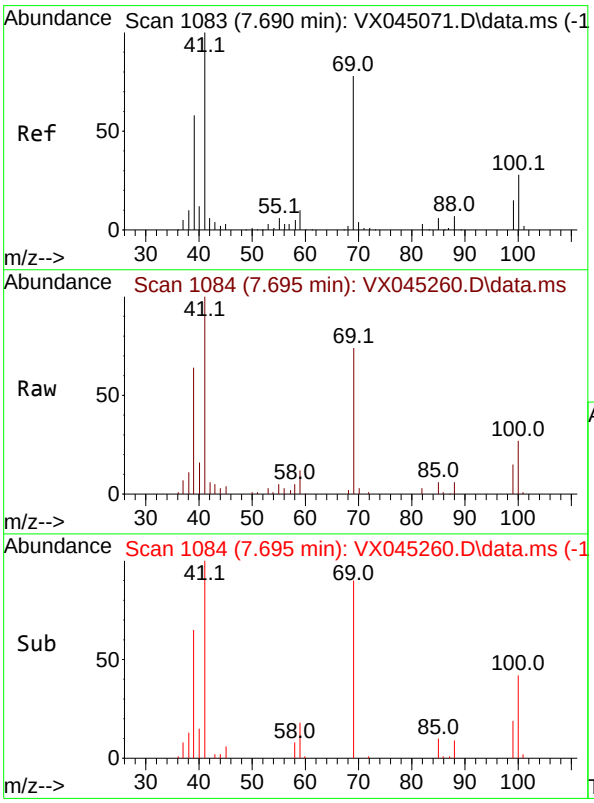
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	6.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

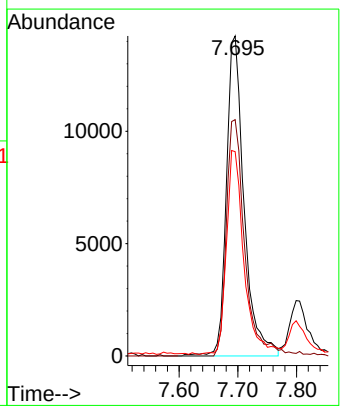
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

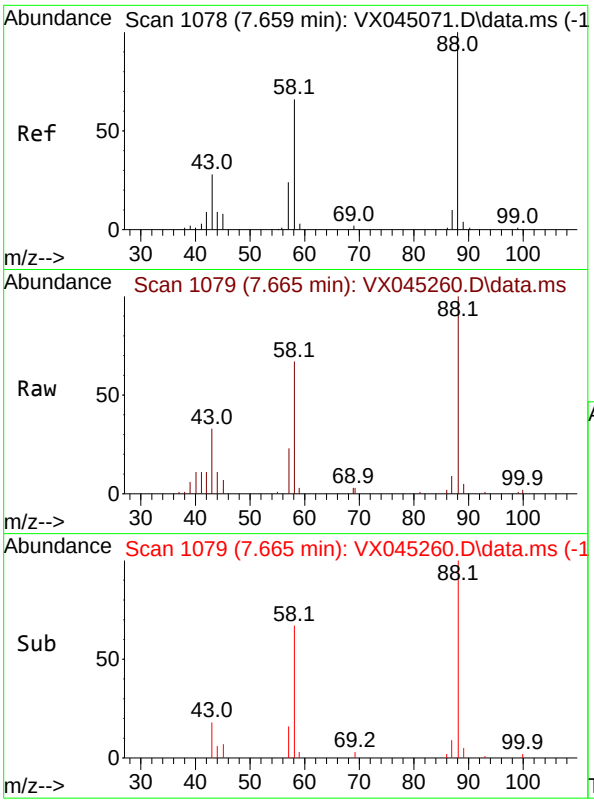


#48
Methyl methacrylate
Concen: 19.454 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 41 Resp: 29753

Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	63.1	47.5	71.3

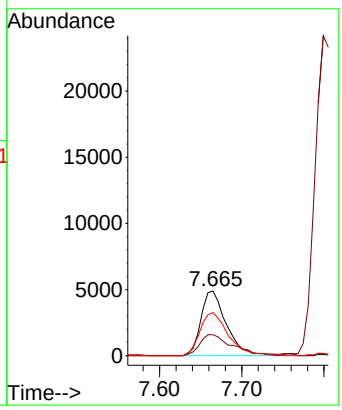




#49
1,4-Dioxane
Concen: 326.274 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 88 Resp: 1052

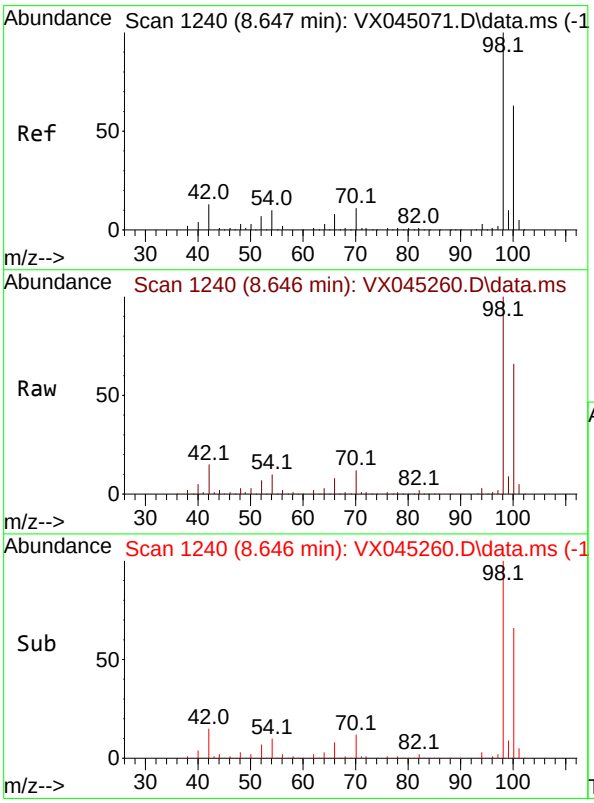
Ion	Ratio	Lower	Upper
88	100		
43	40.6	28.7	43.1
58	73.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

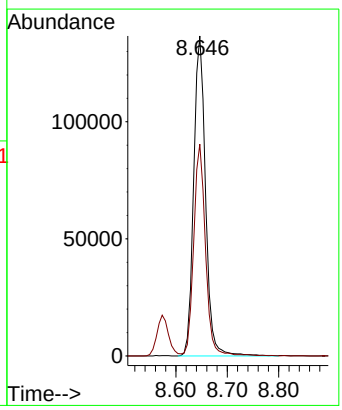
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

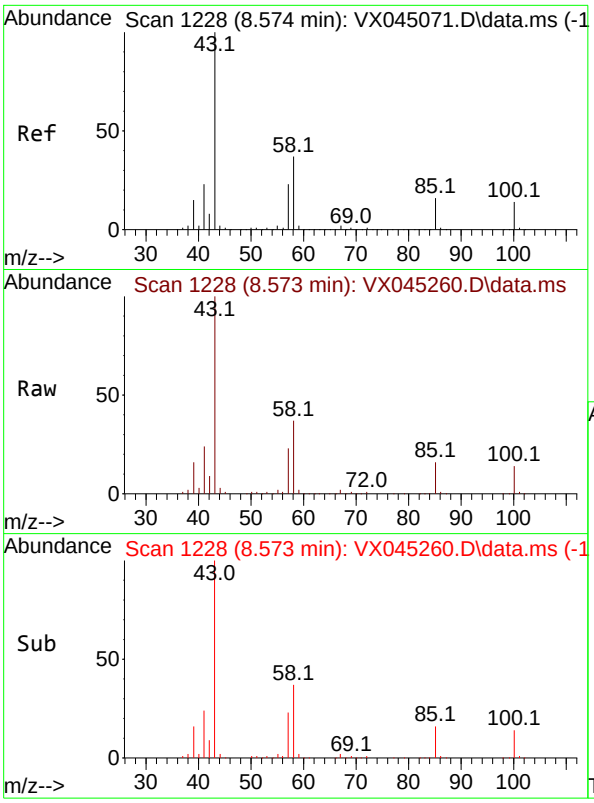


#50
Toluene-d8
Concen: 51.954 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 98 Resp: 219736

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

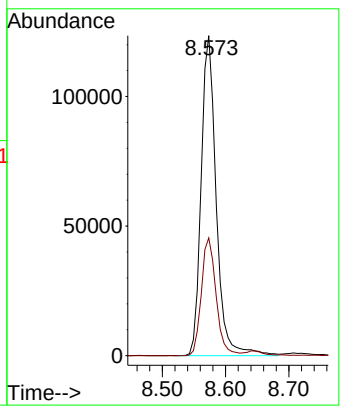




#51
4-Methyl-2-Pentanone
Concen: 100.325 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 20535

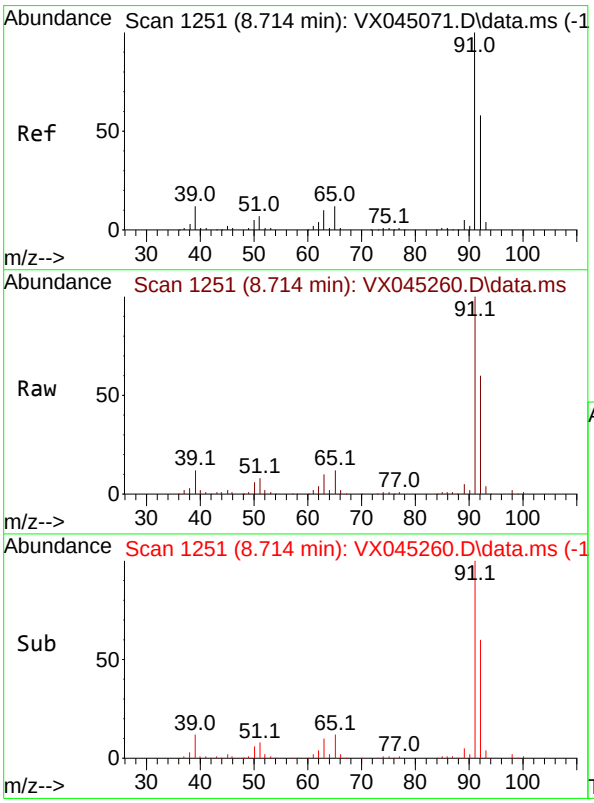
Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

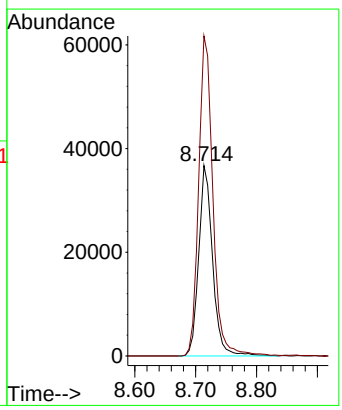
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

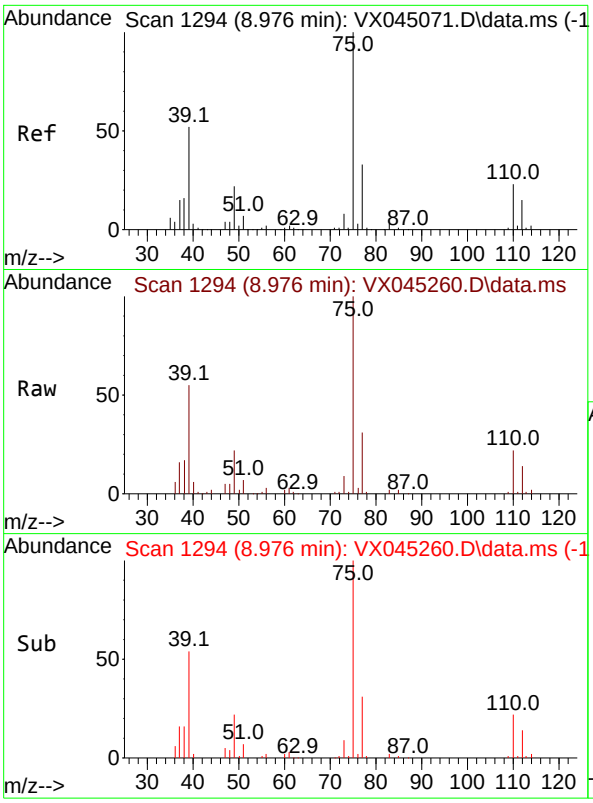


#52
Toluene
Concen: 19.652 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 92 Resp: 58253

Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.9	208.3

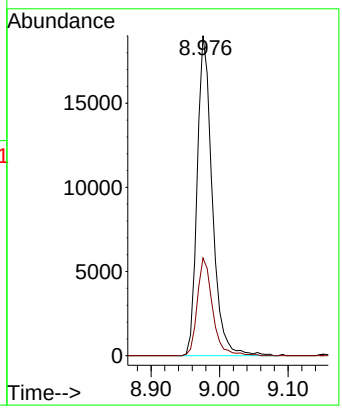




#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 2912

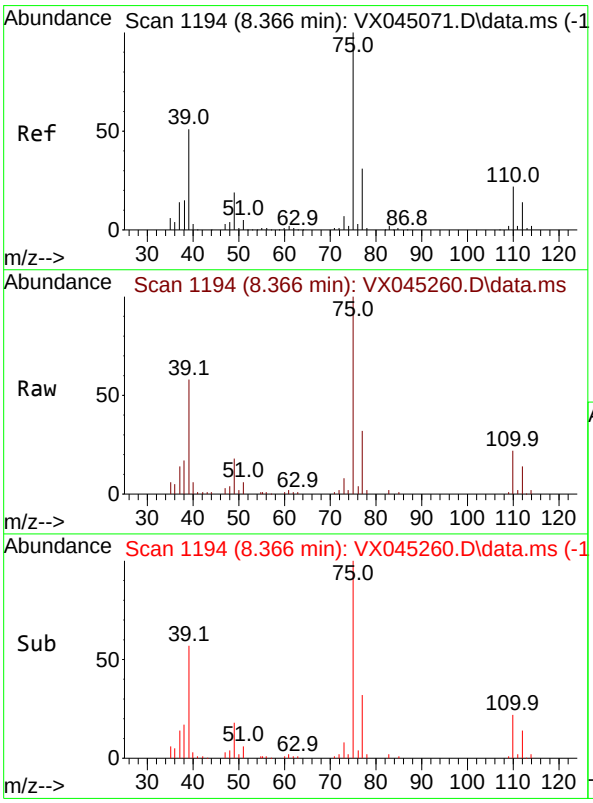
Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

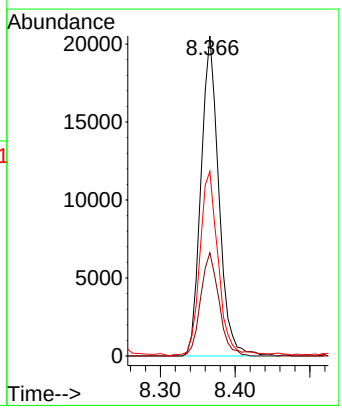
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

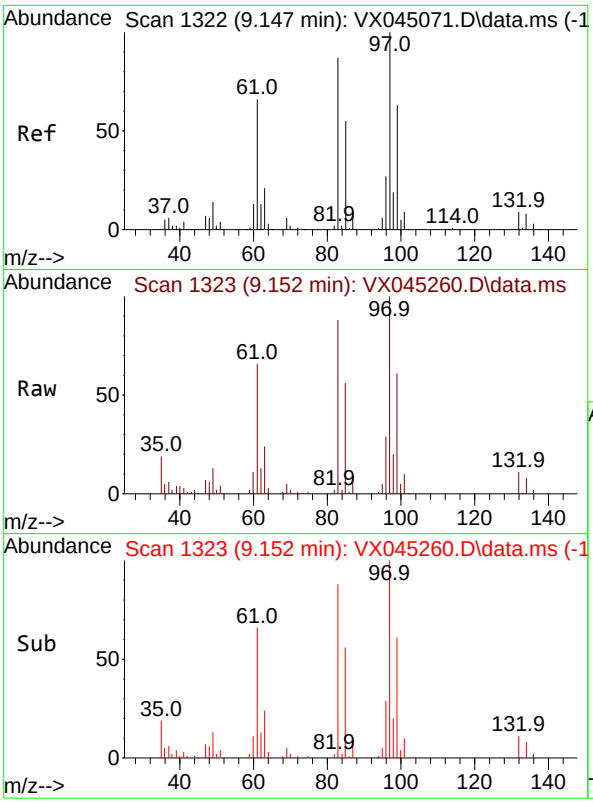


#54
cis-1,3-Dichloropropene
Concen: 19.356 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 33982

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	57.2	40.7	61.1

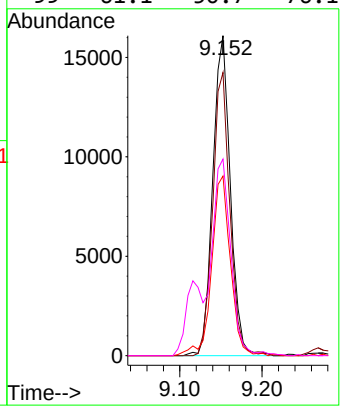




#55
1,1,2-Trichloroethane
Concen: 19.557 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 97 Resp: 2386

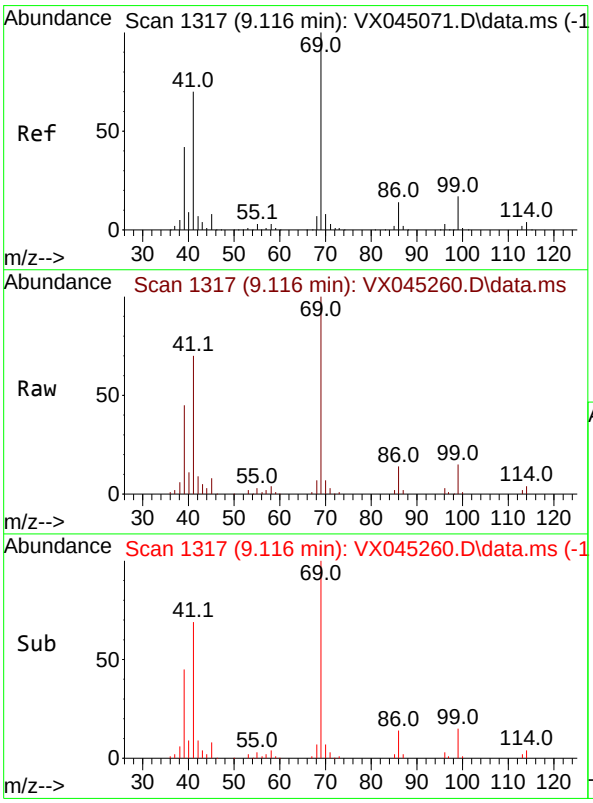
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.4	104.2
85	55.8	44.1	66.1
99	61.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

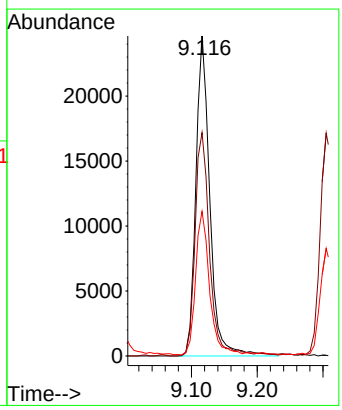
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

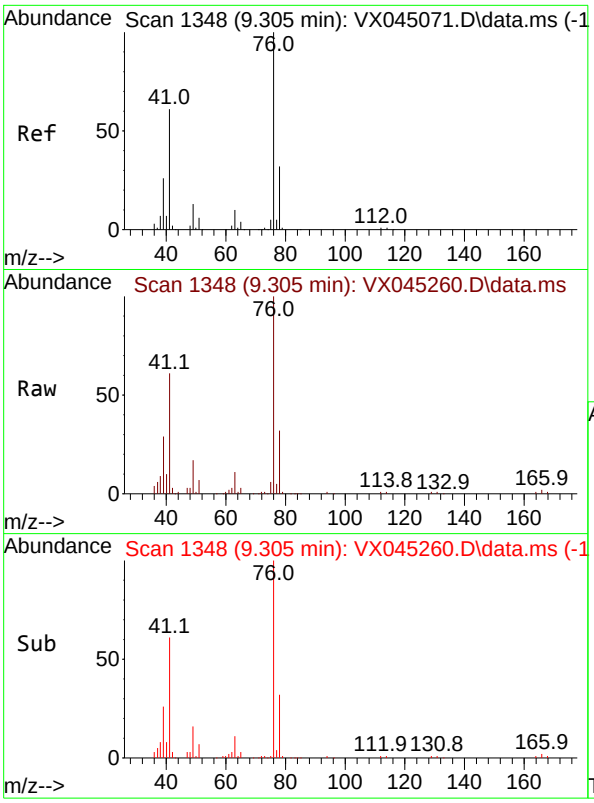


#56
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 69 Resp: 36370

Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.4
39	44.5	34.2	51.4

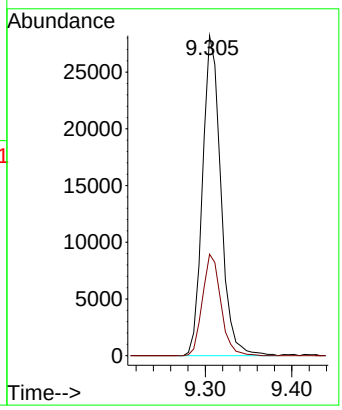




#57
1,3-Dichloropropane
Concen: 19.602 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 76 Resp: 4139

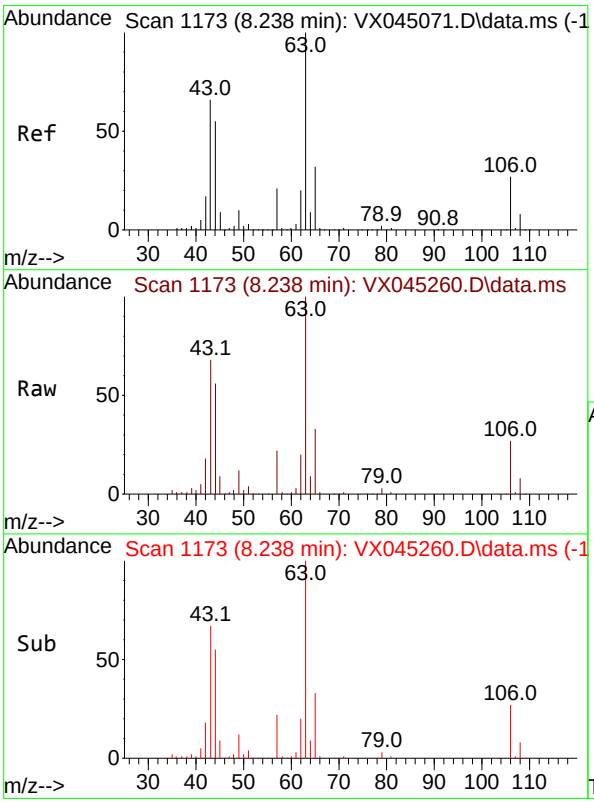
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

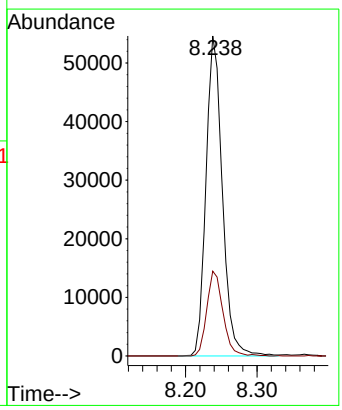
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

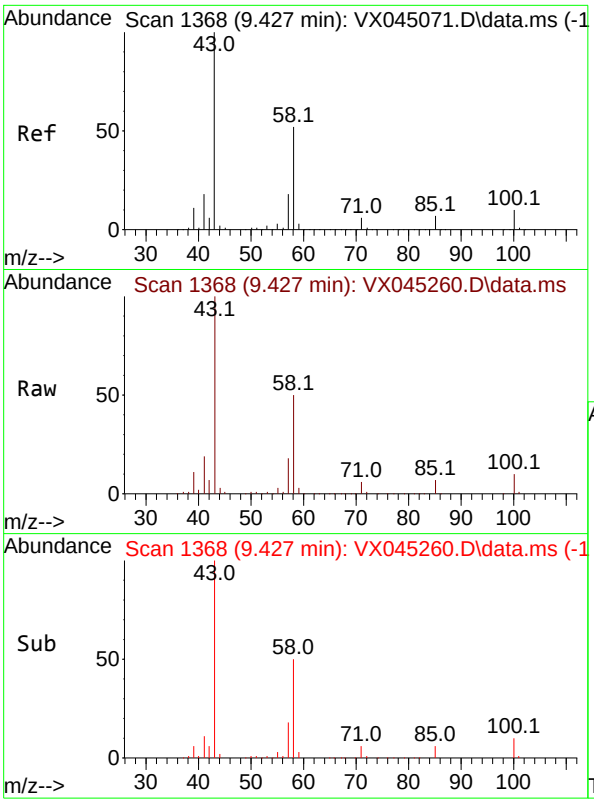


#58
2-Chloroethyl Vinyl ether
Concen: 95.960 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 63 Resp: 86829

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3

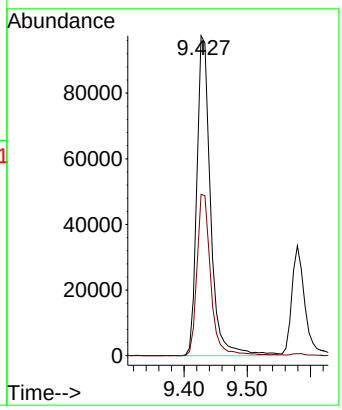




#59
2-Hexanone
Concen: 99.661 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 14780

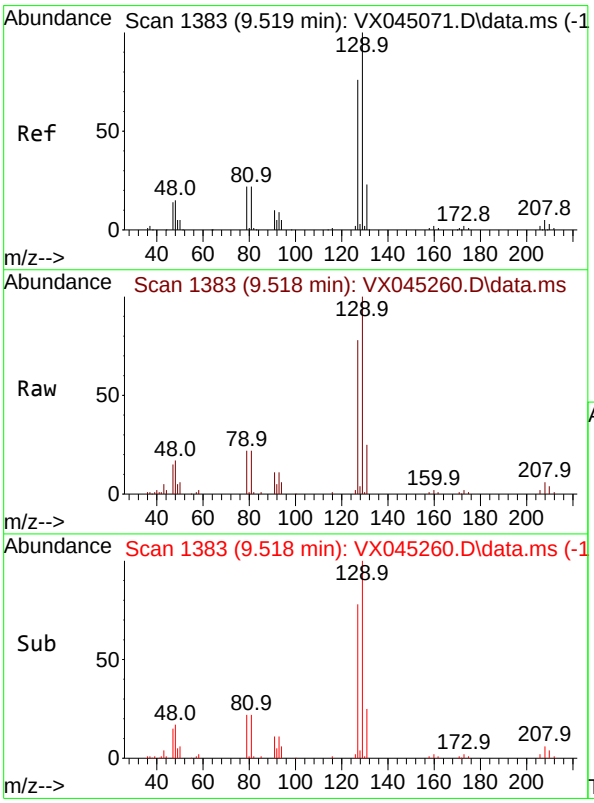
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

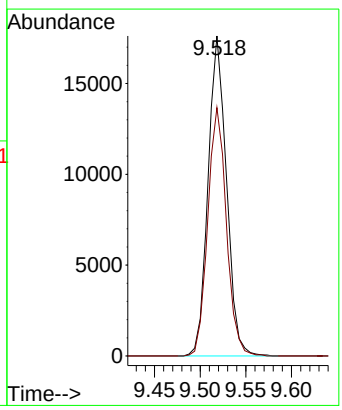
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

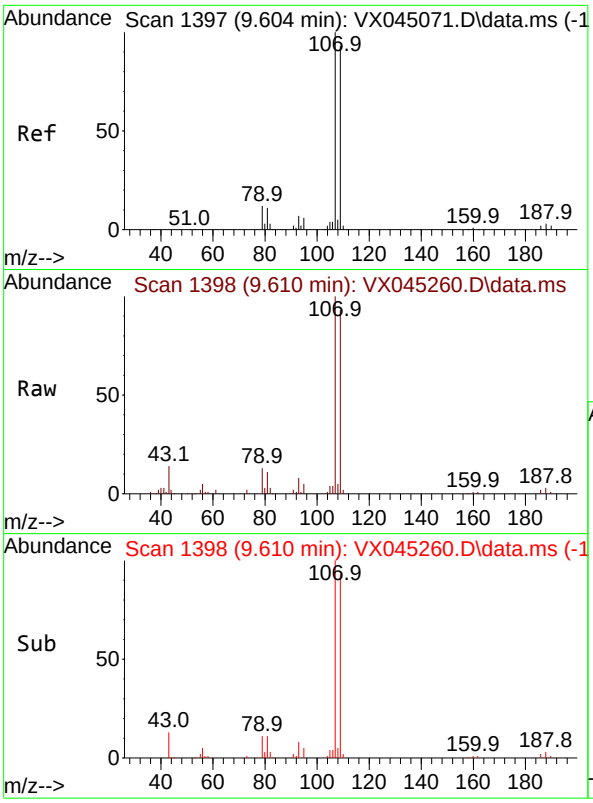


#60
Dibromochloromethane
Concen: 19.338 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:129 Resp: 24674

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

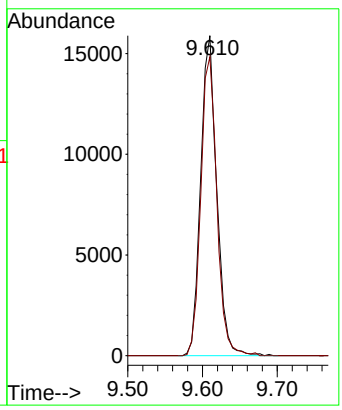




#61
1,2-Dibromoethane
Concen: 19.483 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:107 Resp: 2373

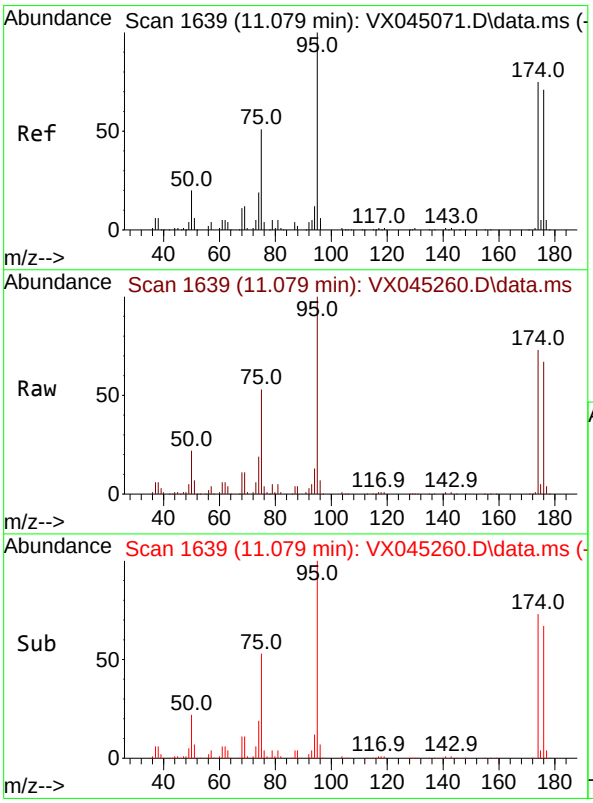
Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

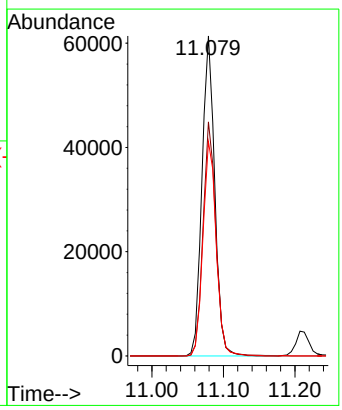
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

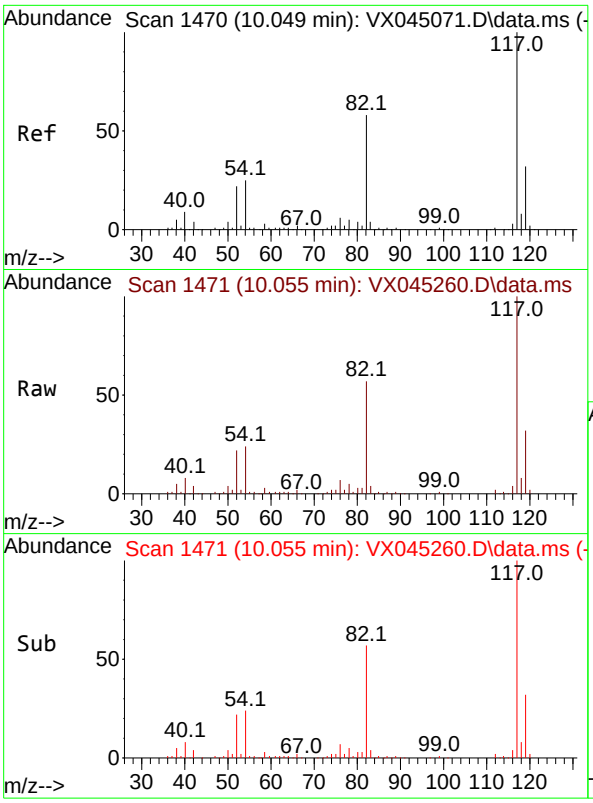


#62
4-Bromofluorobenzene
Concen: 54.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 95 Resp: 76284

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	148.2
176	69.4	0.0	141.4

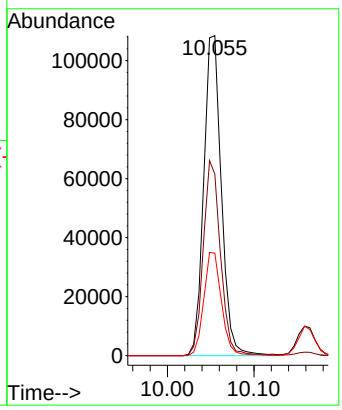




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:117 Resp: 15376

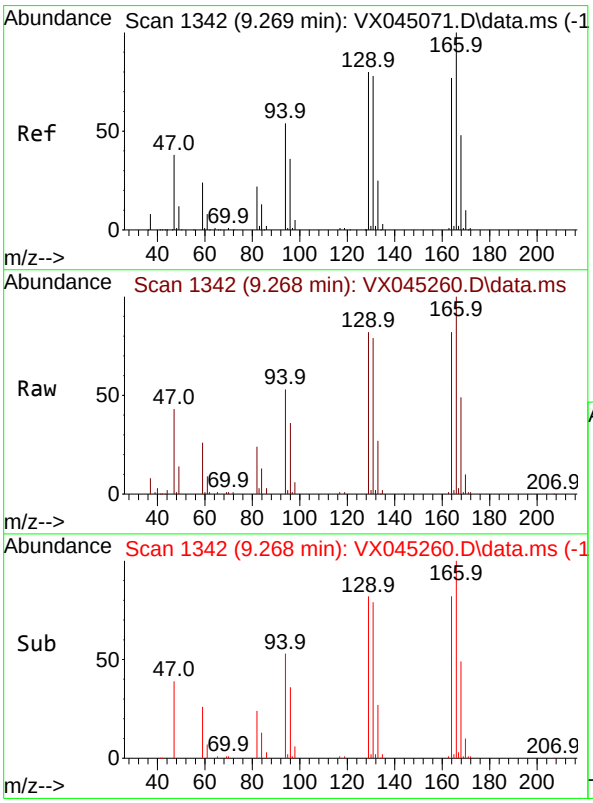
Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

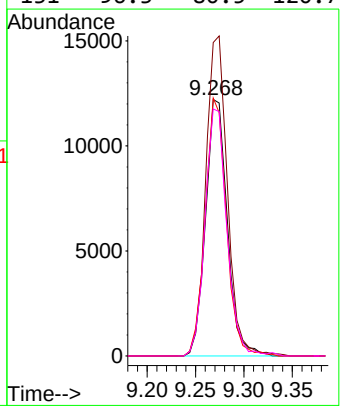
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

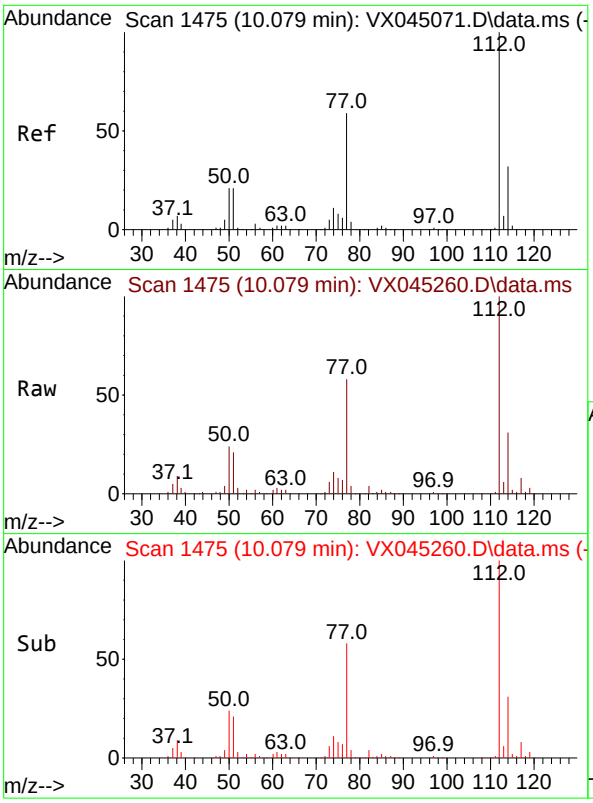


#64
Tetrachloroethene
Concen: 19.342 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:164 Resp: 19047

Ion	Ratio	Lower	Upper
164	100		
166	122.2	103.6	155.4
129	100.6	82.7	124.1
131	96.3	80.5	120.7

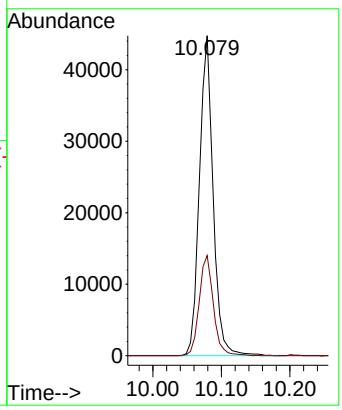




#65
Chlorobenzene
Concen: 19.173 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:112 Resp: 6237

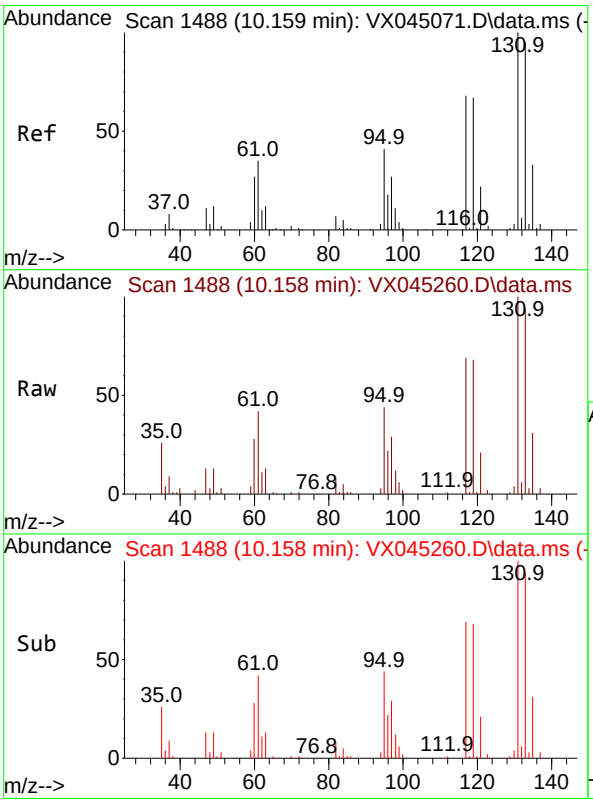
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

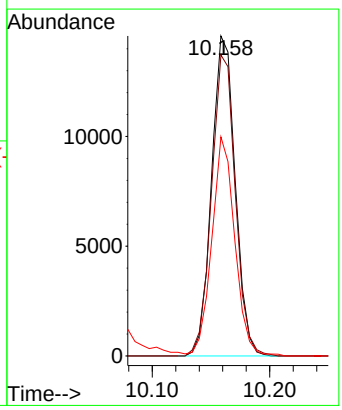
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

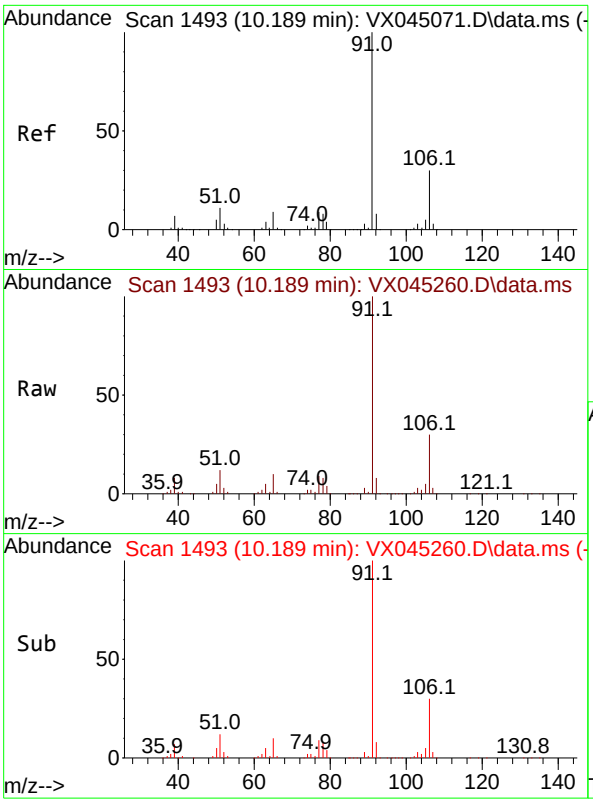


#66
1,1,1,2-Tetrachloroethane
Concen: 18.776 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:131 Resp: 20344

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.6	145.9
119	66.7	33.9	101.7





#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

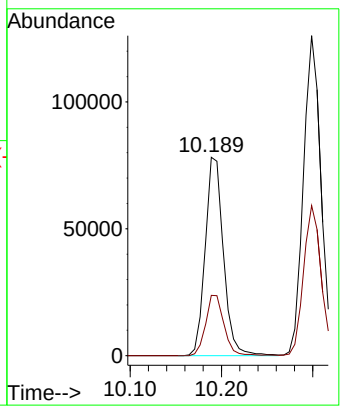
Tgt Ion: 91 Resp: 10831

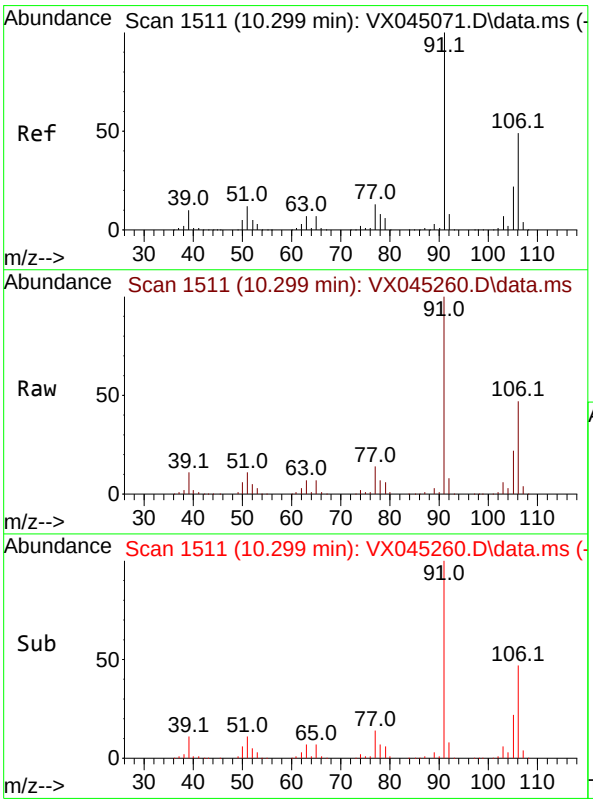
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

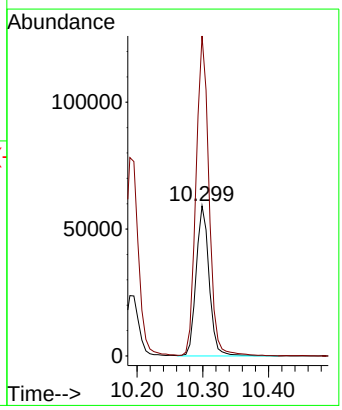


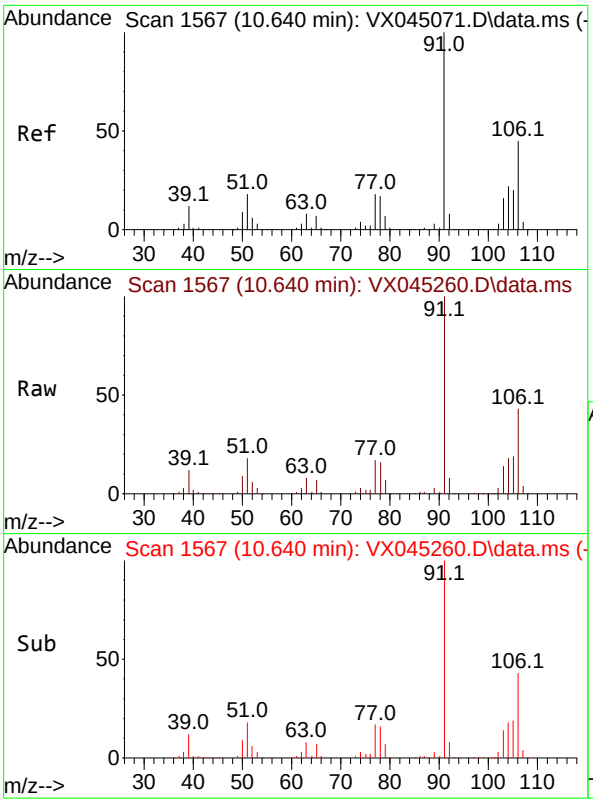


#68
m/p-Xylenes
Concen: 39.097 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:106 Resp: 81139

Ion	Ratio	Lower	Upper
106	100		
91	211.6	165.4	248.0

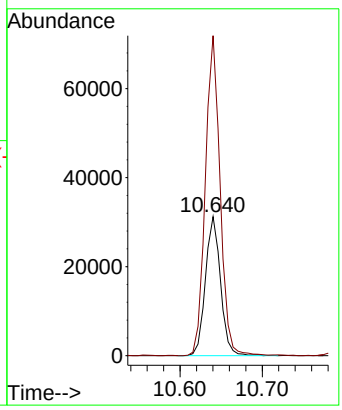




#69
o-Xylene
Concen: 19.011 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:106 Resp: 3979

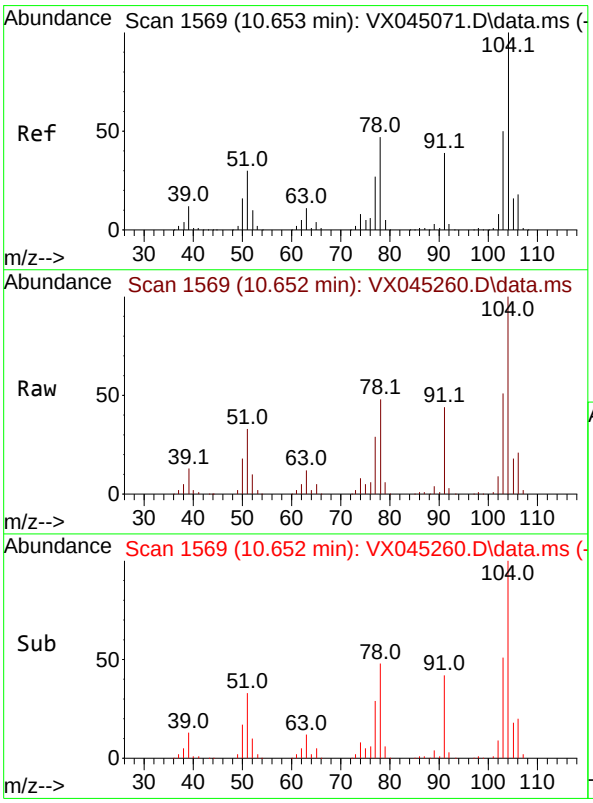
Ion	Ratio	Lower	Upper
106	100		
91	225.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

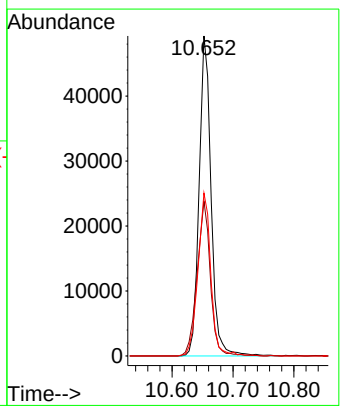
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

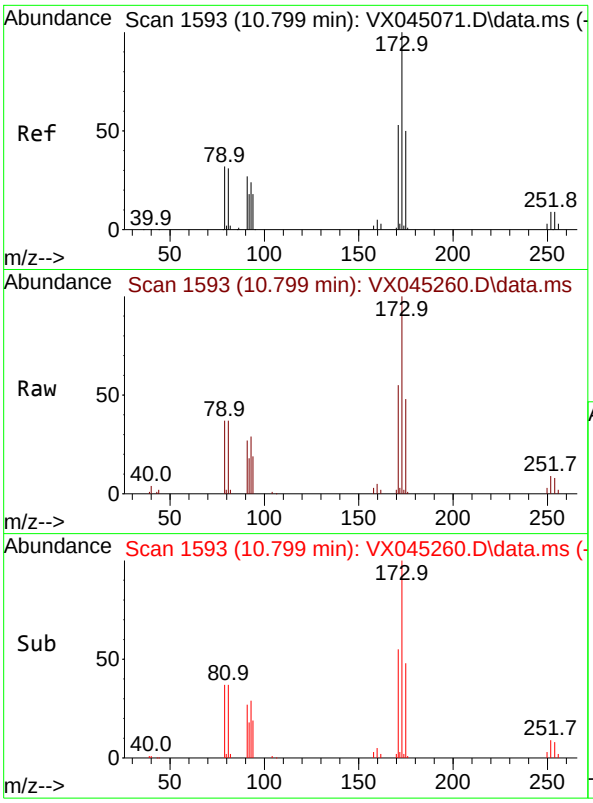


#70
Styrene
Concen: 19.885 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:104 Resp: 67344

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	54.9	43.8	65.8

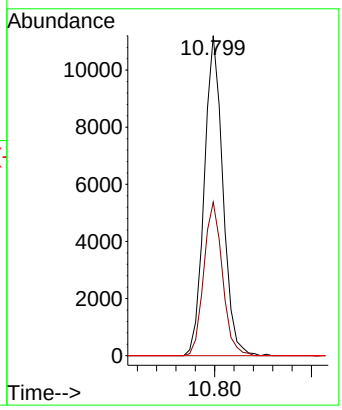




#71
Bromoform
Concen: 18.326 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:173 Resp: 1497

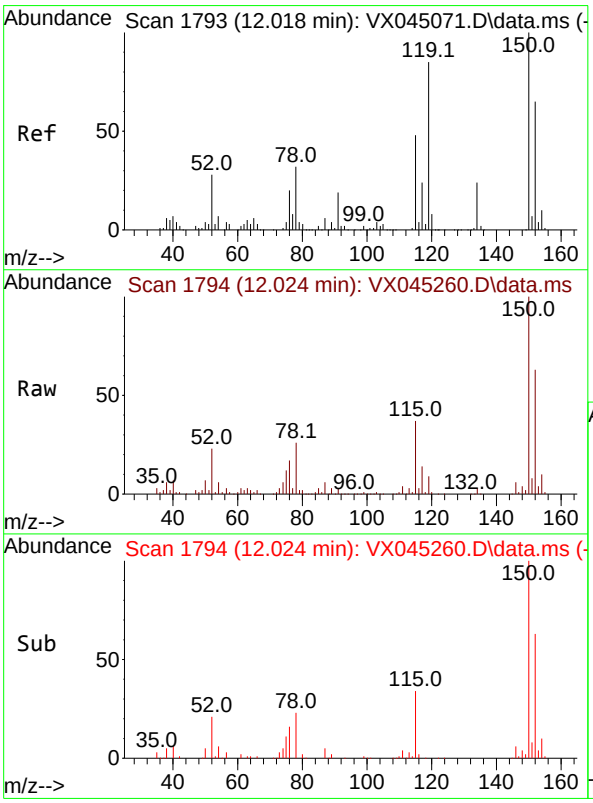
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

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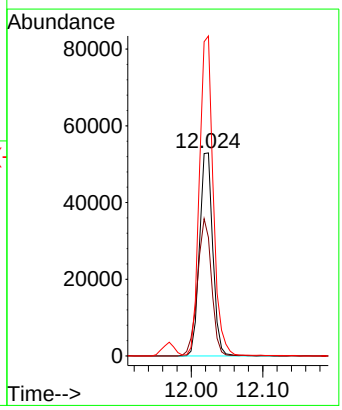
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

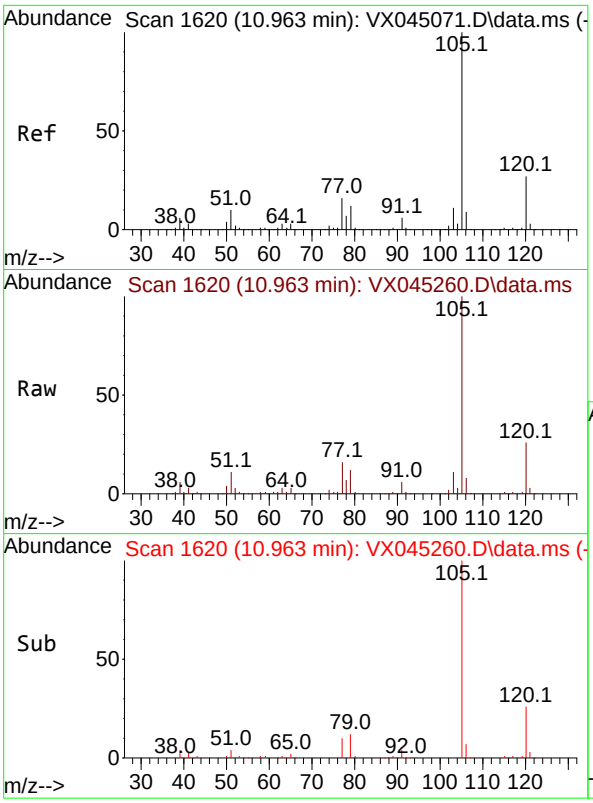


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:152 Resp: 68175

Ion	Ratio	Lower	Upper
152	100		
115	71.3	44.2	132.6
150	163.4	0.0	349.0





#73
Isopropylbenzene
Concen: 19.989 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

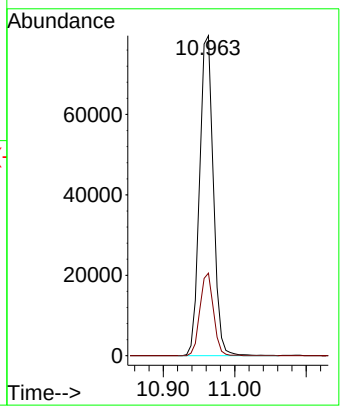
Tgt Ion:105 Resp: 10636

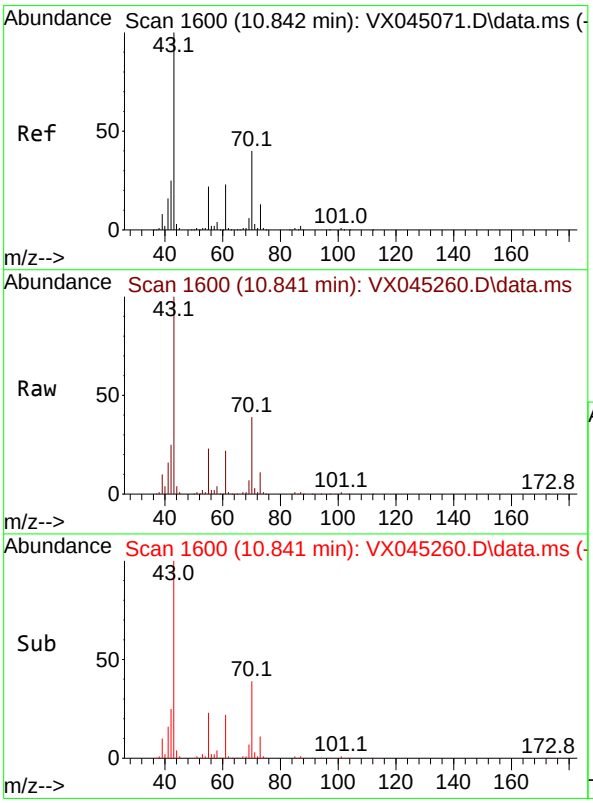
Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

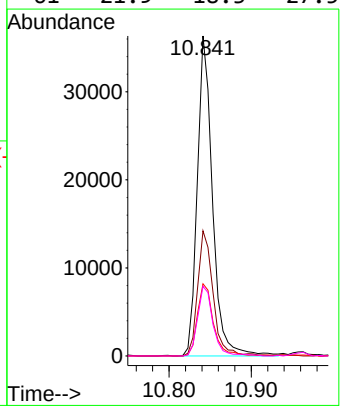


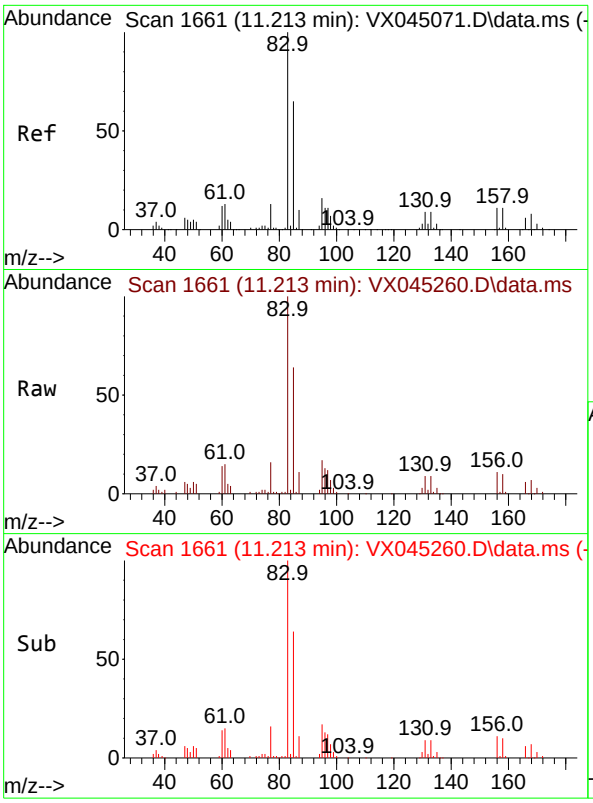


#74
N-amyl acetate
Concen: 18.765 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 46854

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	23.6	18.3	27.5
61	21.9	18.3	27.5

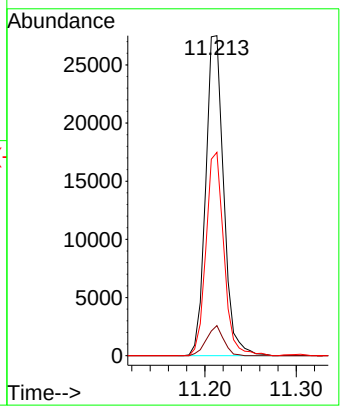




#75
1,1,2,2-Tetrachloroethane
Concen: 19.255 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 83 Resp: 3759

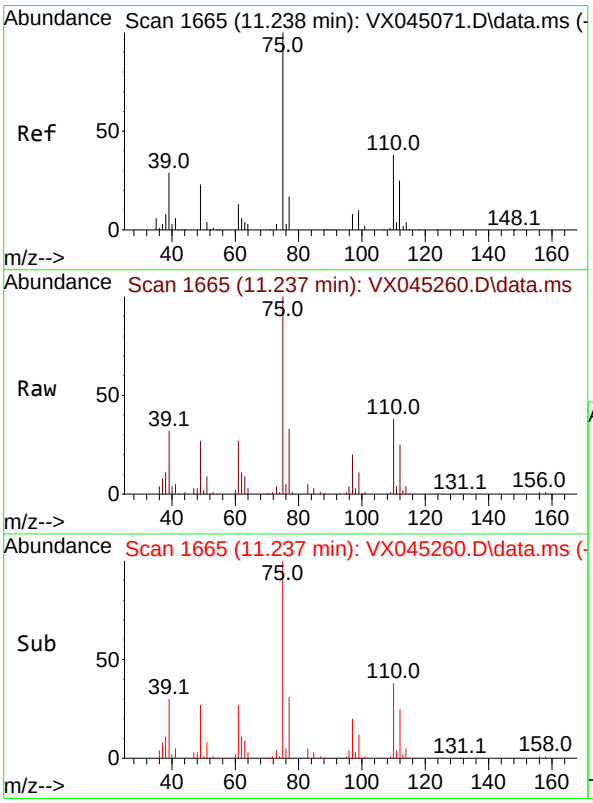
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

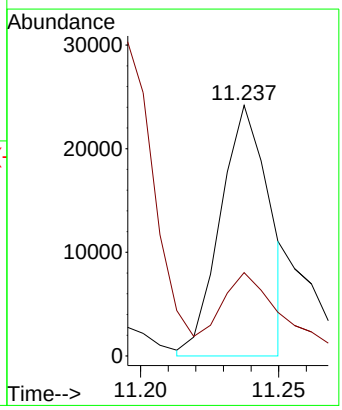
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

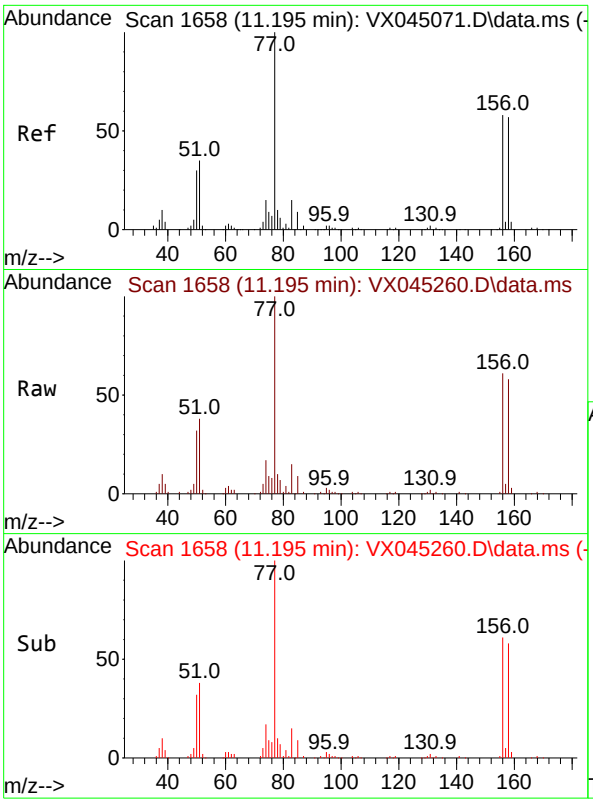


#76
1,2,3-Trichloropropane
Concen: 18.805 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 29840

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.7	62.1

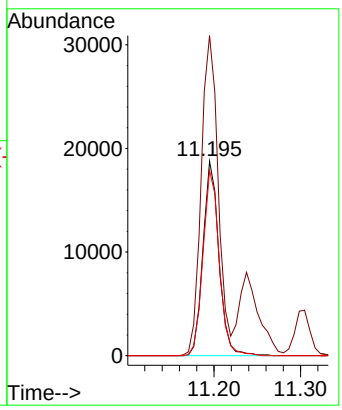




#77
Bromobenzene
Concen: 19.142 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:156 Resp: 2403

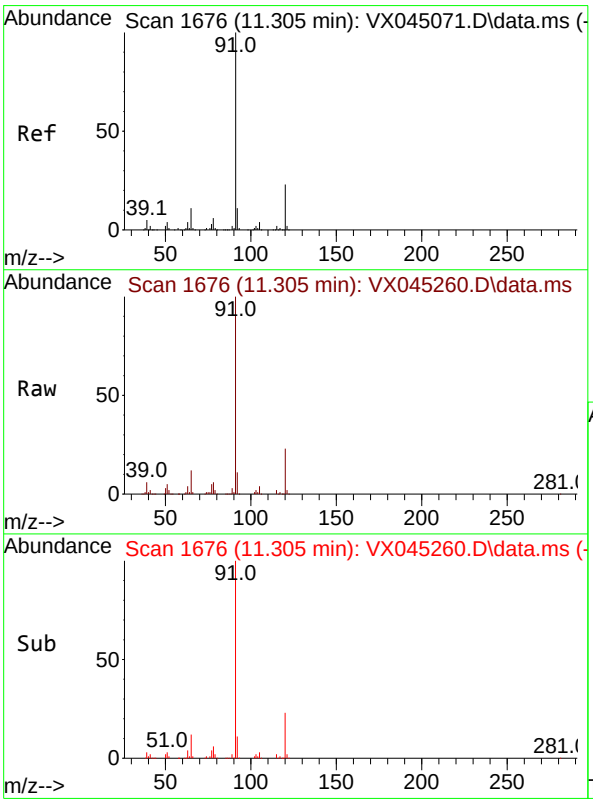
Ion	Ratio	Lower	Upper
156	100		
77	174.5	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

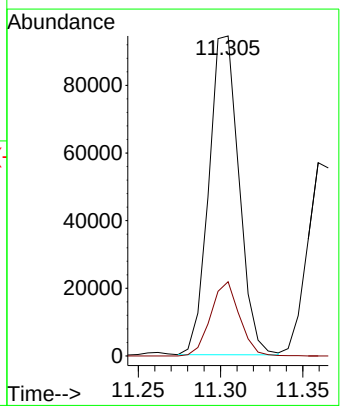
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

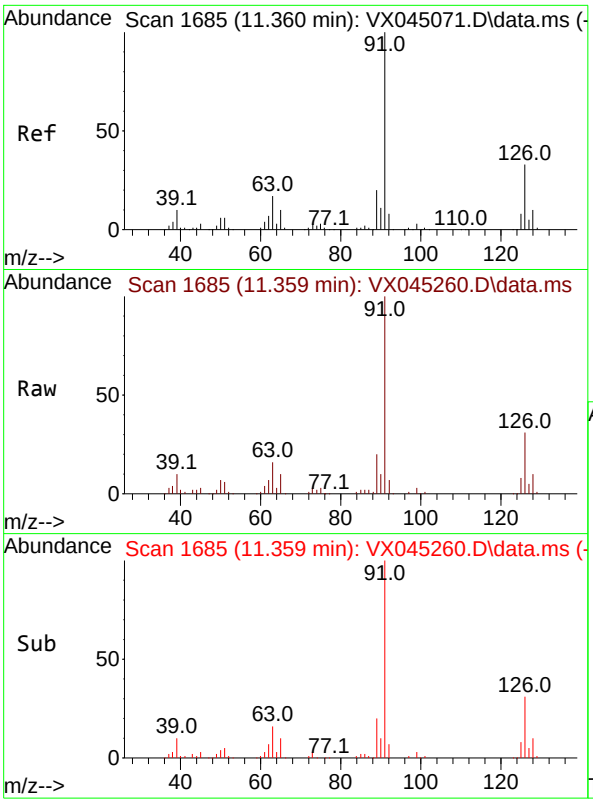


#78
n-propylbenzene
Concen: 19.967 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 120022

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6

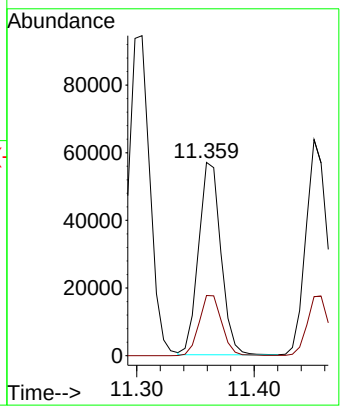




#79
2-Chlorotoluene
Concen: 19.625 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 7512

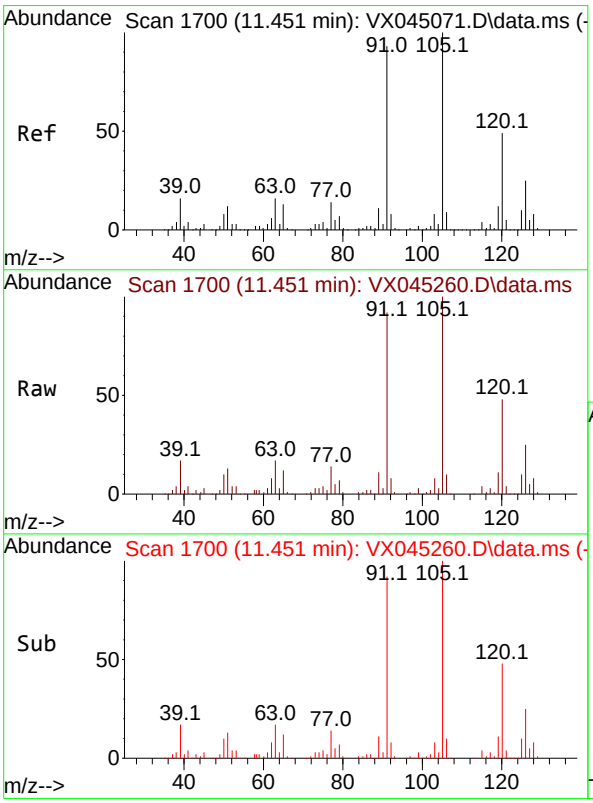
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

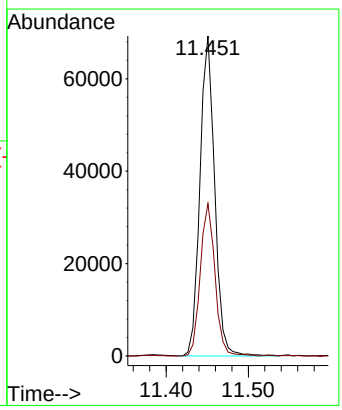
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

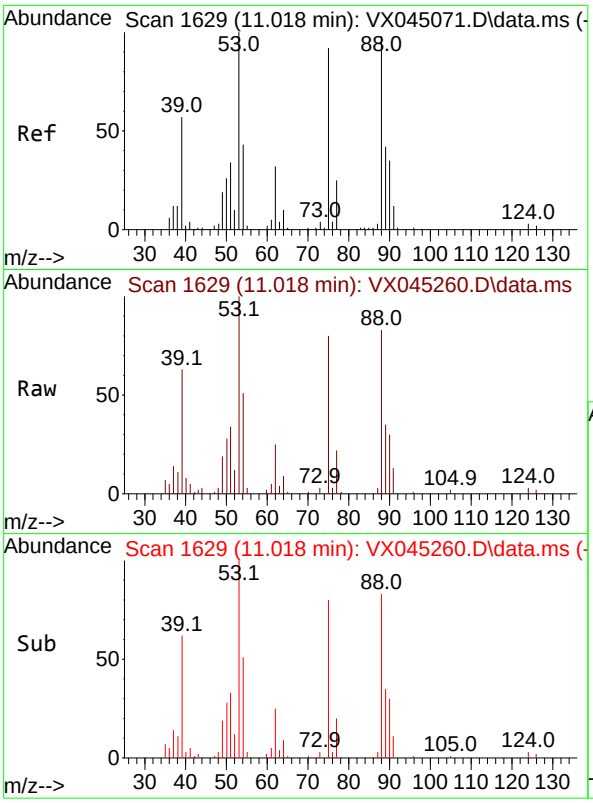


#80
1,3,5-Trimethylbenzene
Concen: 20.039 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:105 Resp: 86221

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2

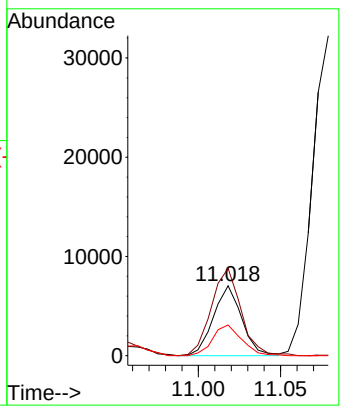




#81
trans-1,4-Dichloro-2-butene
Concen: 18.207 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 844

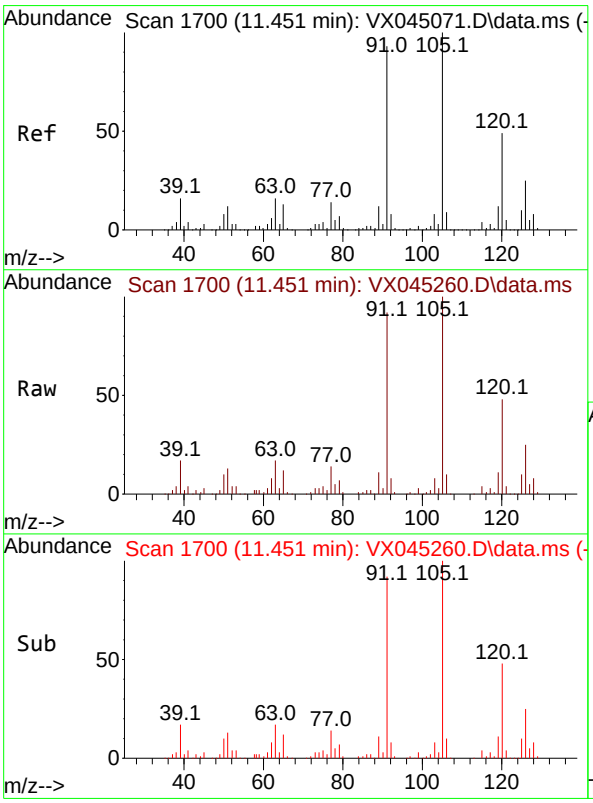
Ion	Ratio	Lower	Upper
75	100		
53	131.2	88.5	132.7
89	45.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

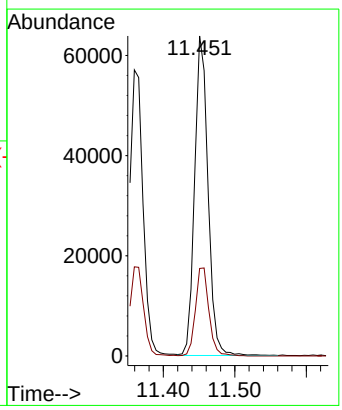
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

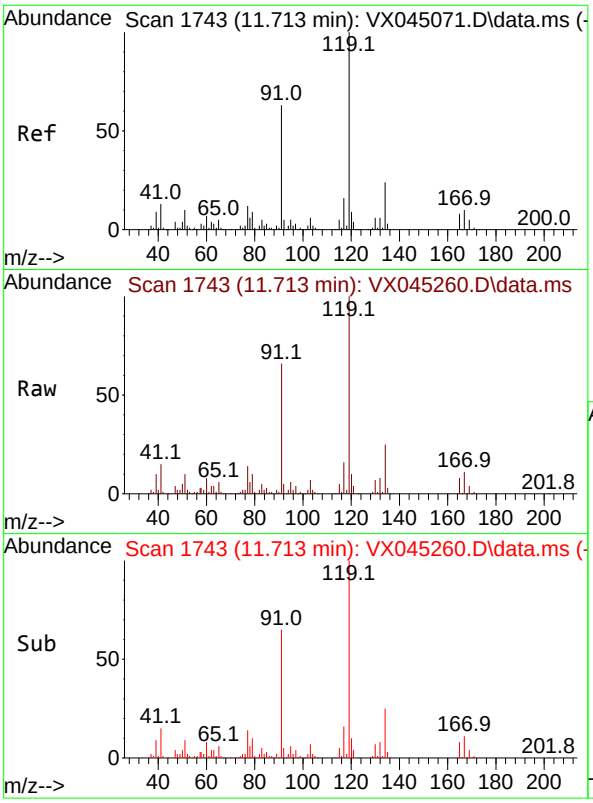


#82
4-Chlorotoluene
Concen: 19.835 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 82758

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

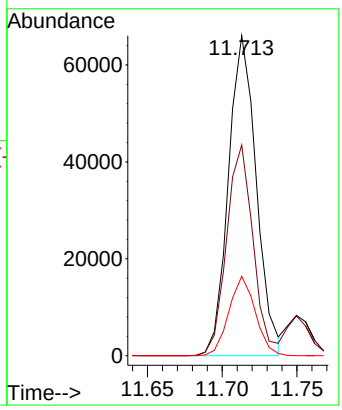




#83
tert-Butylbenzene
Concen: 19.375 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:119 Resp: 8565

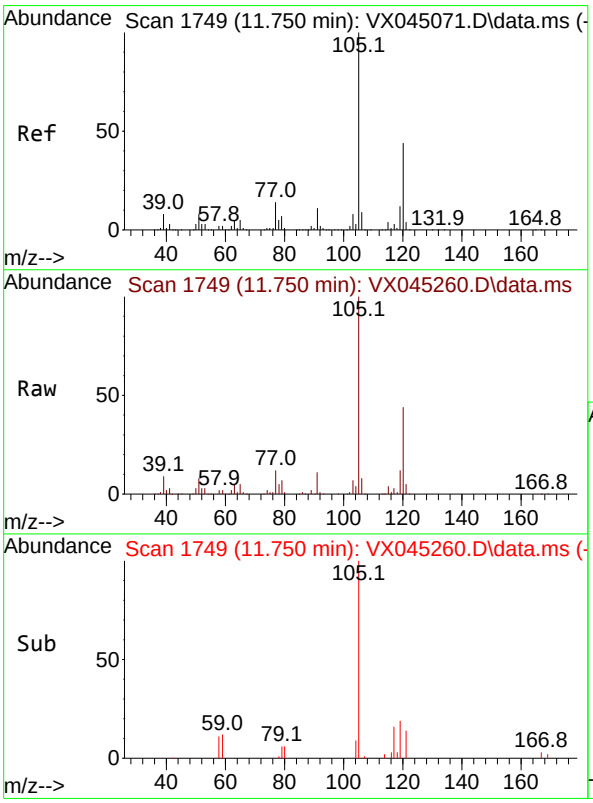
Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

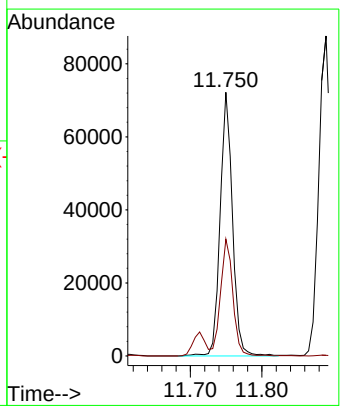
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

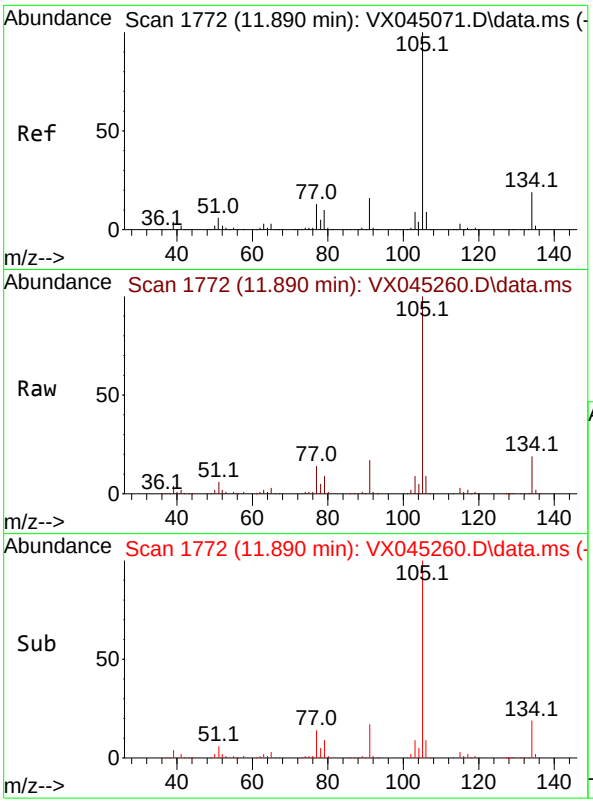


#84
1,2,4-Trimethylbenzene
Concen: 19.988 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:105 Resp: 86535

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

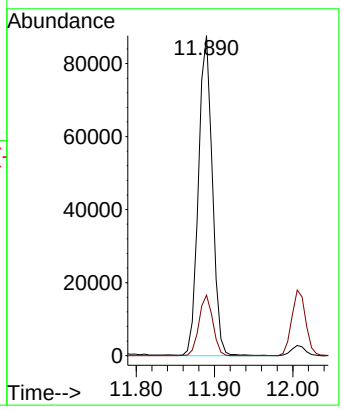




#85
sec-Butylbenzene
Concen: 20.422 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:105 Resp: 10814

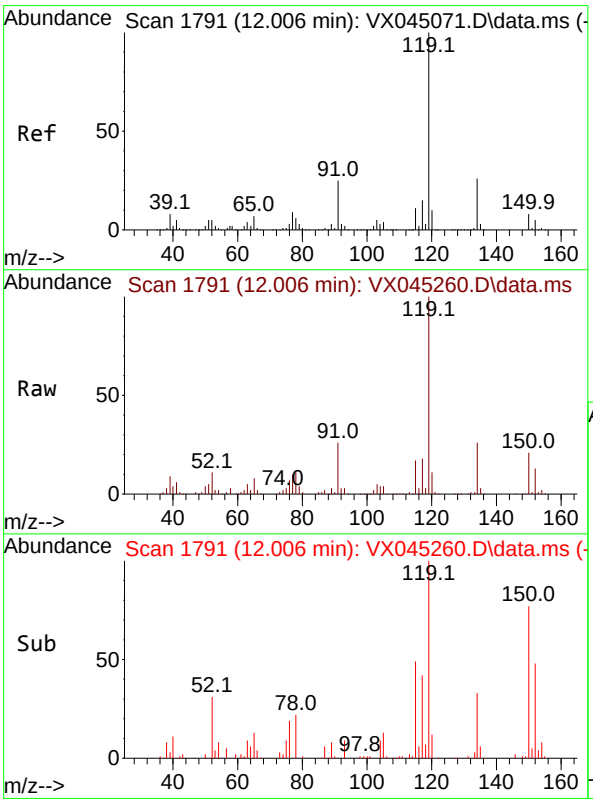
Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
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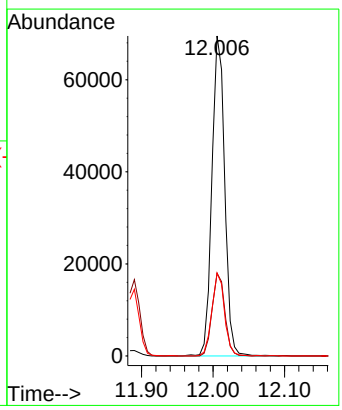
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

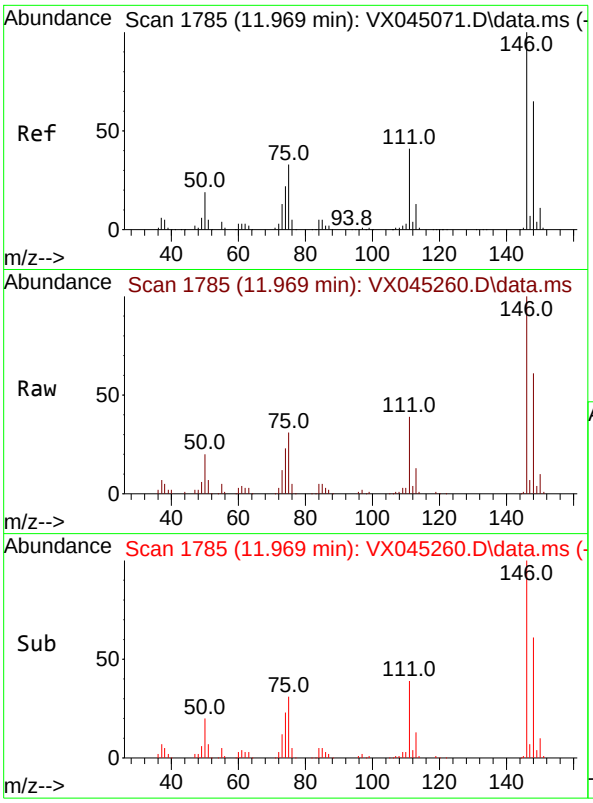


#86
p-Isopropyltoluene
Concen: 20.120 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:119 Resp: 86107

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.7	12.7	38.0

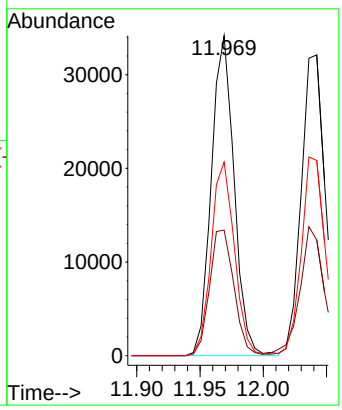




#87
1,3-Dichlorobenzene
Concen: 19.108 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:146 Resp: 4279

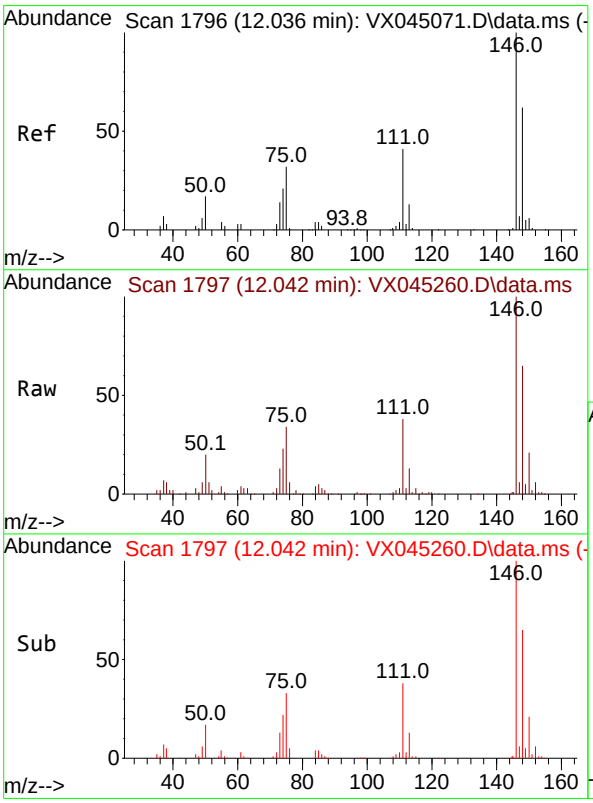
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	61.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

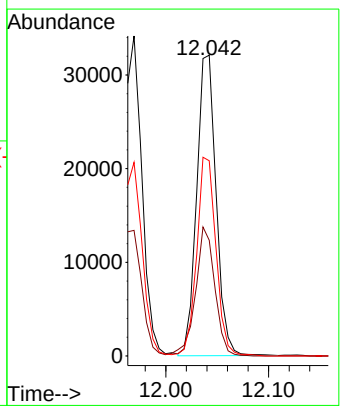
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

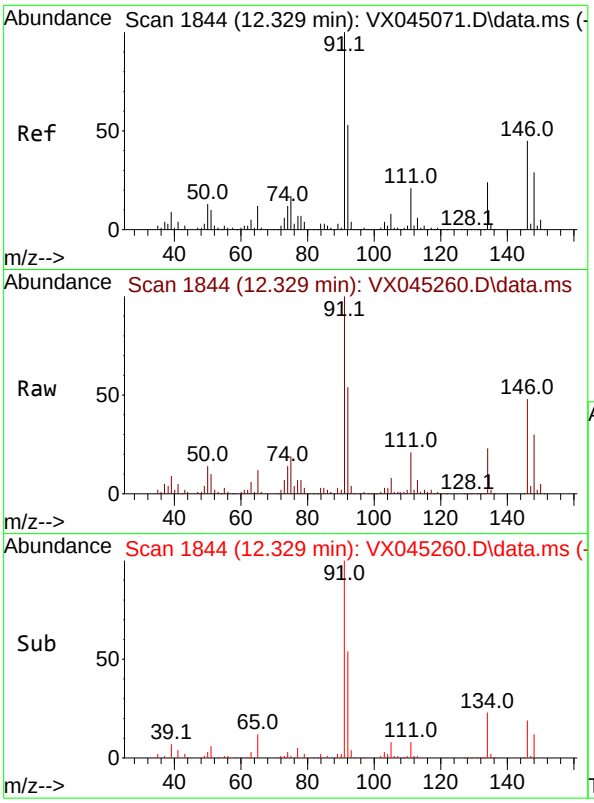


#88
1,4-Dichlorobenzene
Concen: 18.649 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:146 Resp: 42258

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	65.8	31.9	95.9

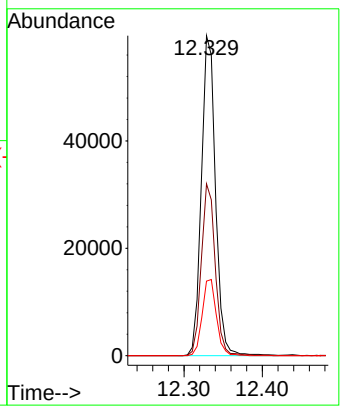




#89
n-Butylbenzene
Concen: 20.248 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 7463

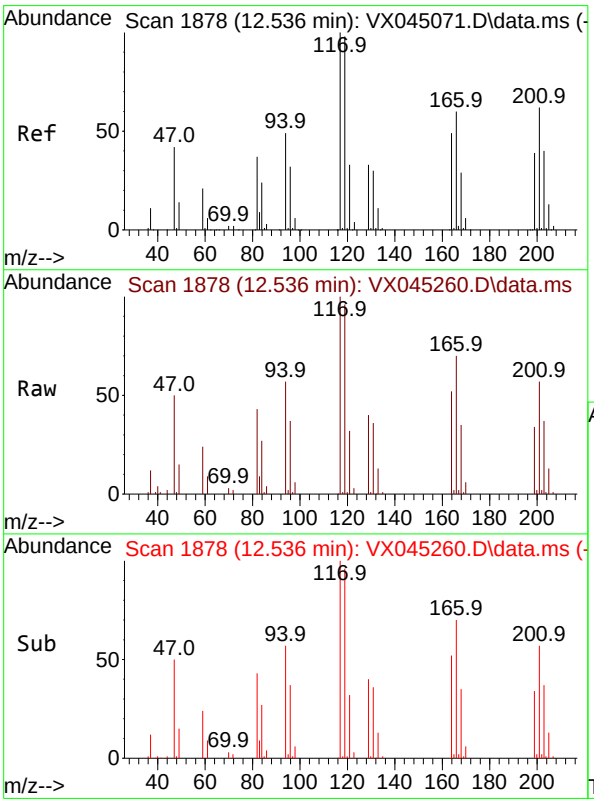
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

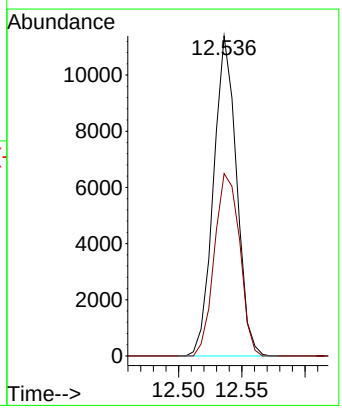
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

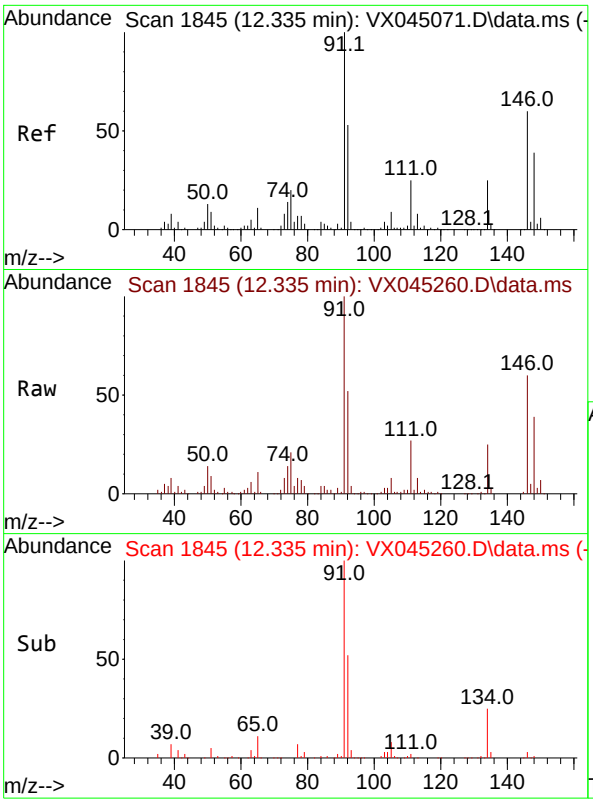


#90
Hexachloroethane
Concen: 18.617 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:117 Resp: 14411

Ion	Ratio	Lower	Upper
117	100		
201	62.6	31.9	95.9

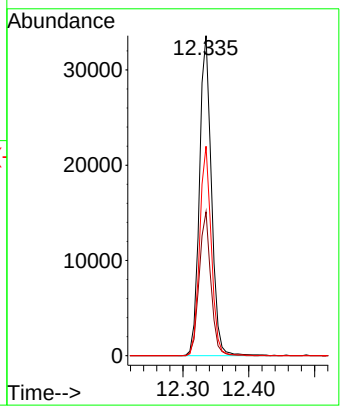




#91
1,2-Dichlorobenzene
Concen: 18.935 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:146 Resp: 4254

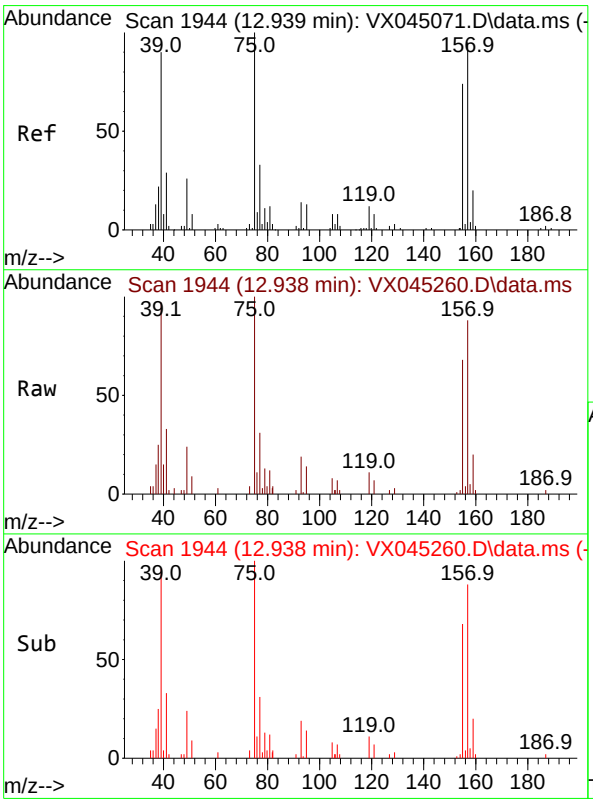
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

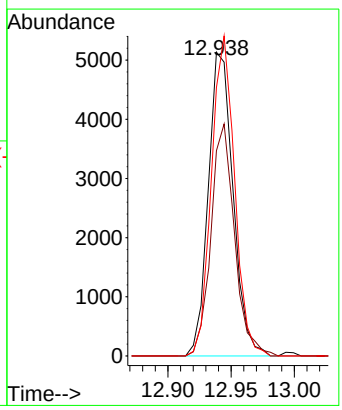
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

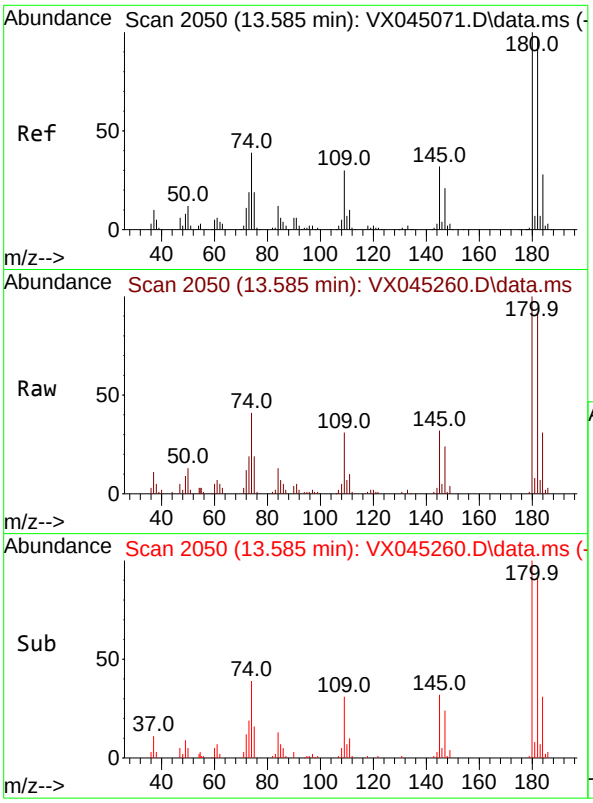


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.385 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 6994

Ion	Ratio	Lower	Upper
75	100		
155	72.8	39.6	118.7
157	98.6	51.1	153.4

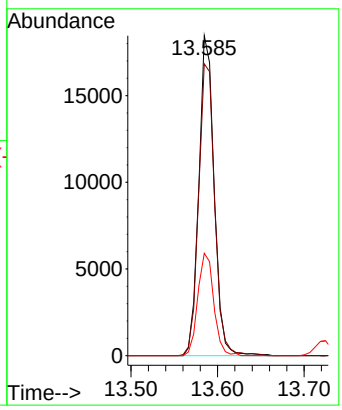




#93
1,2,4-Trichlorobenzene
Concen: 17.762 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:180 Resp: 2272

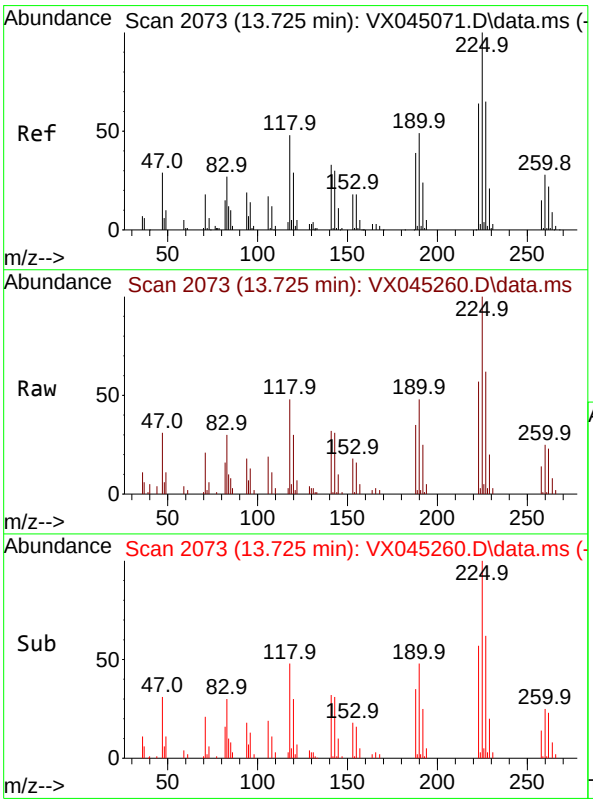
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

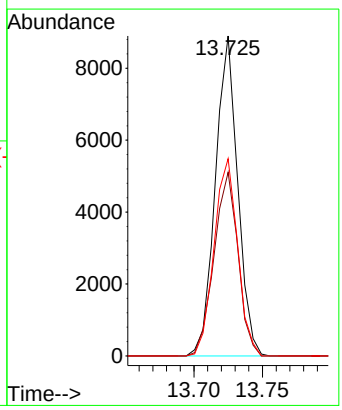
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

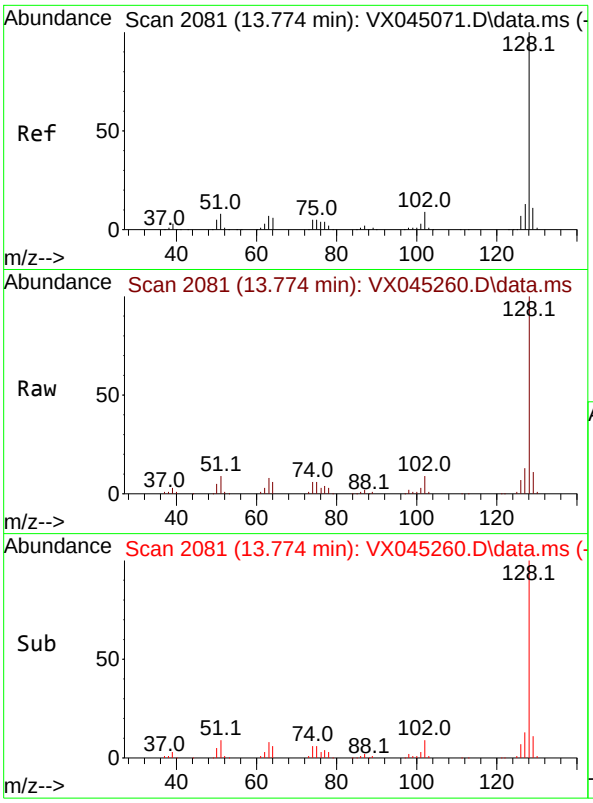


#94
Hexachlorobutadiene
Concen: 19.214 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:225 Resp: 10078

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	65.2	31.4	94.0

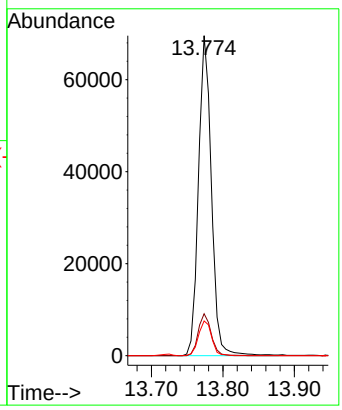




#95
Naphthalene
Concen: 17.744 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:128 Resp: 8722

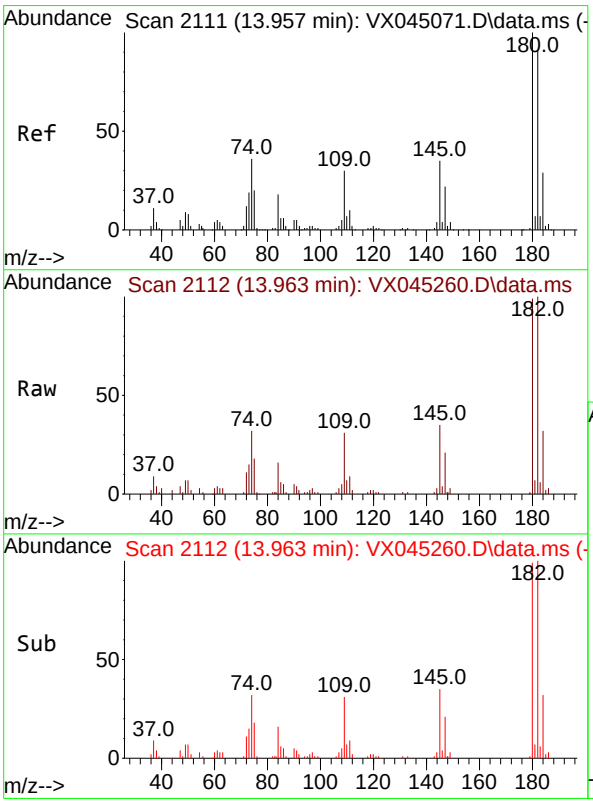
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

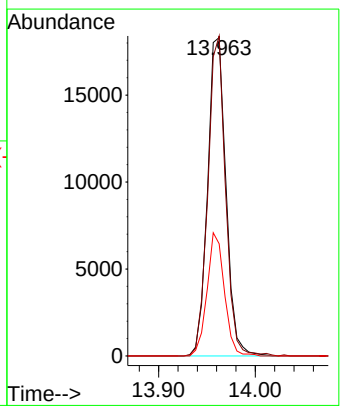
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.939 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:180 Resp: 24211

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	36.6	17.0	50.9



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBS01	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
VX045315.D	1		03/18/25 11:16	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	24.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		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	20.5		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBS01	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
VX045315.D	1		03/18/25 11:16	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	101000	5.55				
540-36-3	1,4-Difluorobenzene	180000	6.757				
3114-55-4	Chlorobenzene-d5	159000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	70600	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0318WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0318WBS01	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
VX045315.D	1		03/18/25 11:16	VX031825

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\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179978	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85669	53.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.420%			
35) Dibromofluoromethane	5.379	113	63666	52.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	8.647	98	223393	51.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	78279	54.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23648	18.561	ug/l	96
3) Chloromethane	1.307	50	26060	16.714	ug/l	96
4) Vinyl Chloride	1.374	62	24585	15.895	ug/l	99
5) Bromomethane	1.593	94	11086	18.232	ug/l	97
6) Chloroethane	1.666	64	14472	20.285	ug/l	97
7) Trichlorofluoromethane	1.874	101	38112	18.613	ug/l	98
8) Diethyl Ether	2.136	74	13147	16.415	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	24411	20.751	ug/l	98
10) Methyl Iodide	2.441	142	27544	18.736	ug/l	97
11) Tert butyl alcohol	2.977	59	23962	78.575	ug/l	97
12) 1,1-Dichloroethene	2.307	96	22967	18.466	ug/l	93
13) Acrolein	2.233	56	18007	51.080	ug/l	100
14) Allyl chloride	2.654	41	43853	19.808	ug/l	97
15) Acrylonitrile	3.062	53	81578	99.811	ug/l	99
16) Acetone	2.386	43	74275	99.433	ug/l	100
17) Carbon Disulfide	2.502	76	48265	14.570	ug/l	100
18) Methyl Acetate	2.703	43	44014	24.493	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	82507	19.773	ug/l	97
20) Methylene Chloride	2.782	84	27791	18.782	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23029	18.742	ug/l	91
22) Diisopropyl ether	3.757	45	91341	20.287	ug/l #	79
23) Vinyl Acetate	3.721	43	368514	98.077	ug/l	100
24) 1,1-Dichloroethane	3.605	63	49698	19.695	ug/l	97
25) 2-Butanone	4.556	43	115779	102.970	ug/l	97
26) 2,2-Dichloropropane	4.477	77	33045	27.919	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	29728	19.599	ug/l	96
28) Bromochloromethane	4.898	49	26265	21.837	ug/l	100
29) Tetrahydrofuran	5.007	42	72963	96.628	ug/l	99
30) Chloroform	5.087	83	51341	20.477	ug/l	98
31) Cyclohexane	5.465	56	40755	18.606	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	40576	20.038	ug/l	99
36) 1,1-Dichloropropene	5.690	75	32750	19.843	ug/l	98
37) Ethyl Acetate	4.721	43	41898	19.701	ug/l	99
38) Carbon Tetrachloride	5.672	117	32994	19.691	ug/l	97
39) Methylcyclohexane	7.373	83	39221	19.833	ug/l	96
40) Benzene	6.031	78	102609	19.688	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	23090	20.079	ug/l		94
42) 1,2-Dichloroethane	6.086	62	39956	21.290	ug/l		98
43) Isopropyl Acetate	6.342	43	63959	20.338	ug/l		99
44) Trichloroethene	7.117	130	23097	18.874	ug/l		97
45) 1,2-Dichloropropane	7.428	63	26591	19.844	ug/l		98
46) Dibromomethane	7.580	93	19209	20.282	ug/l		99
47) Bromodichloromethane	7.818	83	38279	20.605	ug/l		97
48) Methyl methacrylate	7.690	41	32572	20.645	ug/l		96
49) 1,4-Dioxane	7.665	88	12054	362.201	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	230272	109.054	ug/l		98
52) Toluene	8.714	92	62616	20.477	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	31720	20.424	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	38346	21.174	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	25793	20.490	ug/l		98
56) Ethyl methacrylate	9.116	69	39605	20.698	ug/l		94
57) 1,3-Dichloropropane	9.305	76	44804	20.567	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	88727	95.056	ug/l		99
59) 2-Hexanone	9.427	43	167637	109.574	ug/l		98
60) Dibromochloromethane	9.519	129	26686	20.275	ug/l		99
61) 1,2-Dibromoethane	9.610	107	25665	20.423	ug/l		99
64) Tetrachloroethene	9.269	164	20403	20.025	ug/l		96
65) Chlorobenzene	10.080	112	66830	19.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	22645	20.200	ug/l		97
67) Ethyl Benzene	10.189	91	119008	20.290	ug/l		99
68) m/p-Xylenes	10.299	106	88510	41.222	ug/l		98
69) o-Xylene	10.640	106	43529	20.101	ug/l		96
70) Styrene	10.653	104	73075	20.855	ug/l		98
71) Bromoform	10.799	173	16873	19.960	ug/l	#	96
73) Isopropylbenzene	10.957	105	115722	21.006	ug/l		99
74) N-amyl acetate	10.842	43	52935	20.478	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	40904	20.233	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	33063m	20.126	ug/l		
77) Bromobenzene	11.195	156	26393	20.305	ug/l		98
78) n-propylbenzene	11.299	91	133799	21.500	ug/l		98
79) 2-Chlorotoluene	11.360	91	81371	20.531	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	93706	21.036	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9303	19.380	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	90708	21.000	ug/l		100
83) tert-Butylbenzene	11.713	119	94270	20.597	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	95258	21.253	ug/l		99
85) sec-Butylbenzene	11.890	105	118093	21.540	ug/l		99
86) p-Isopropyltoluene	12.006	119	93774	21.165	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	46929	20.238	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	46719	19.915	ug/l		98
89) n-Butylbenzene	12.329	91	81793	21.434	ug/l		99
90) Hexachloroethane	12.536	117	15561	19.417	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	47575	20.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7898	20.053	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	26039	19.660	ug/l		99
94) Hexachlorobutadiene	13.725	225	11193	20.613	ug/l		99
95) Naphthalene	13.774	128	99469	19.547	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	27553	19.719	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

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

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

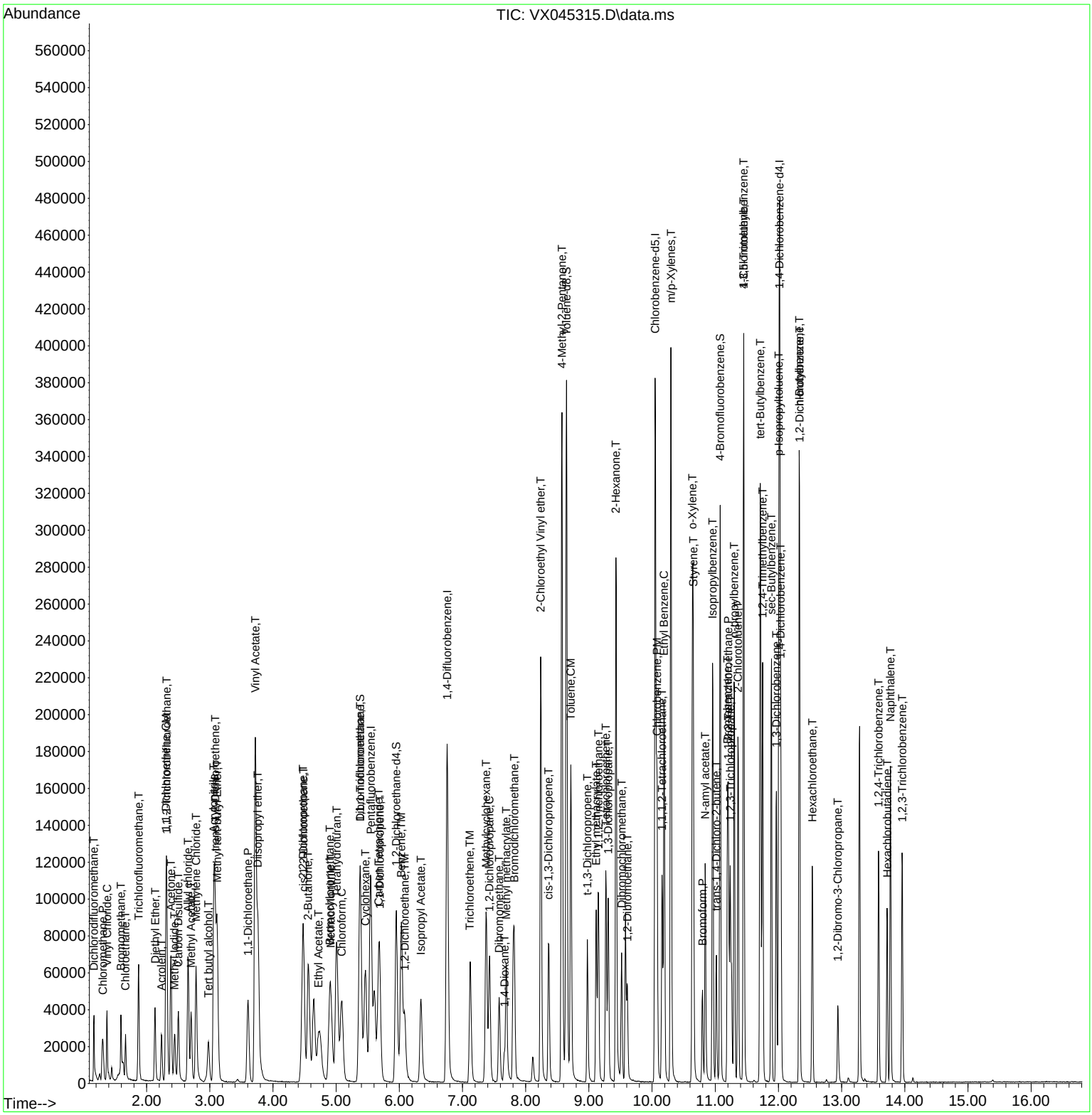
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Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

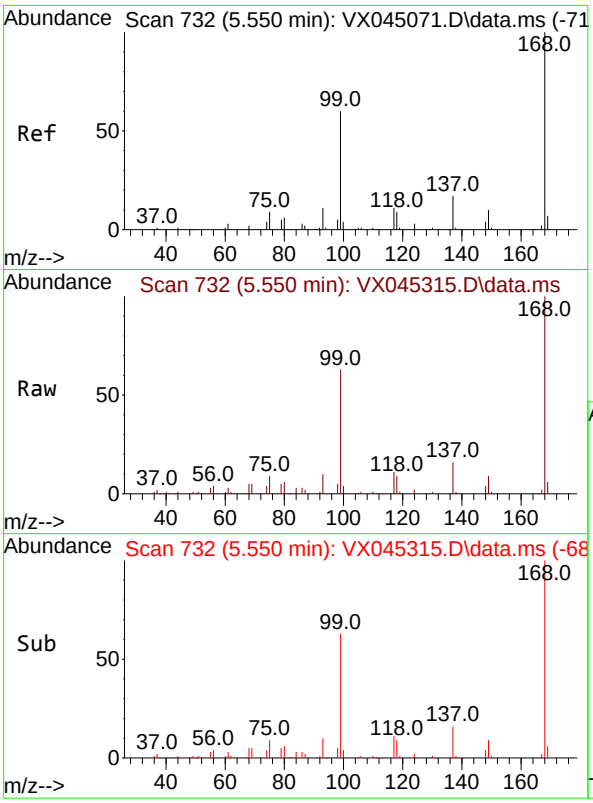
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
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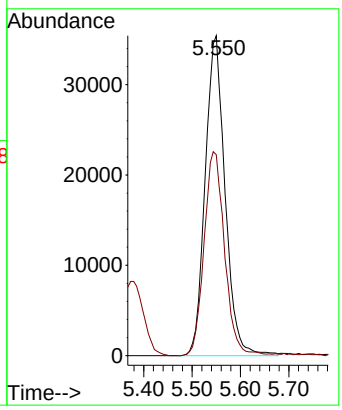




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:168 Resp: 10121

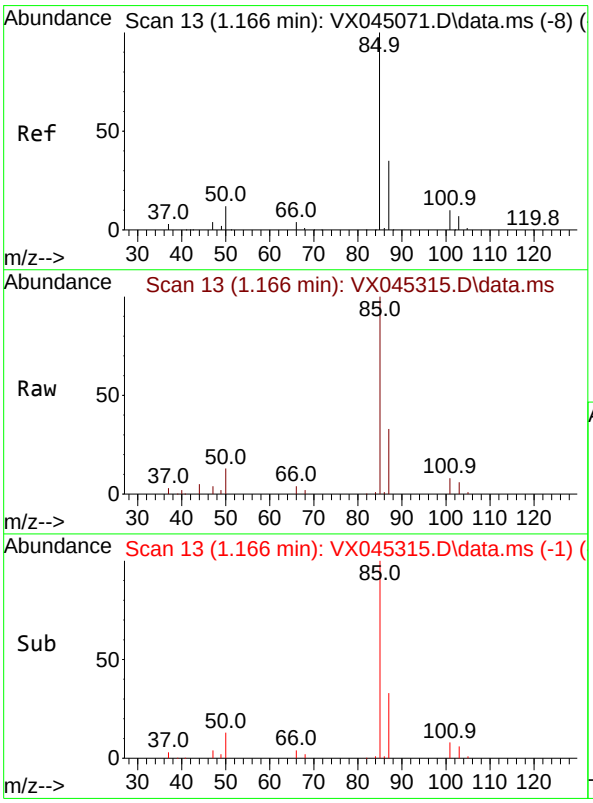
Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

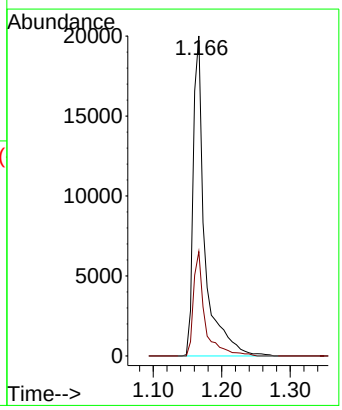
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

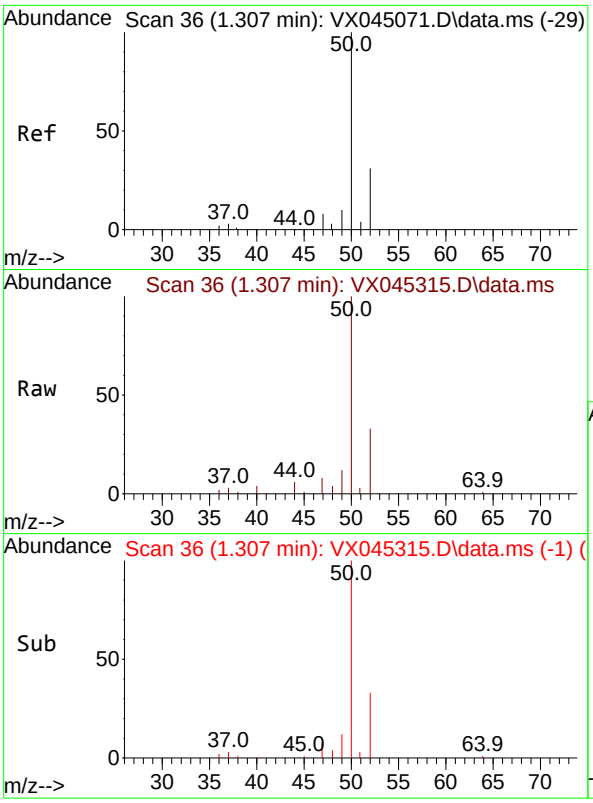


#2
Dichlorodifluoromethane
Concen: 18.561 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 85 Resp: 23648

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3

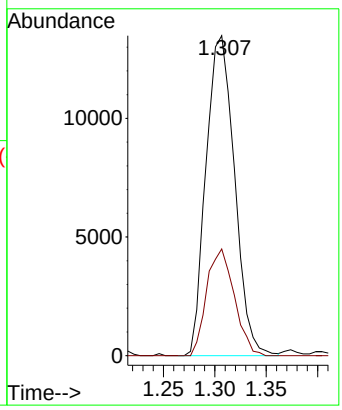




#3
Chloromethane
Concen: 16.714 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 50 Resp: 2606

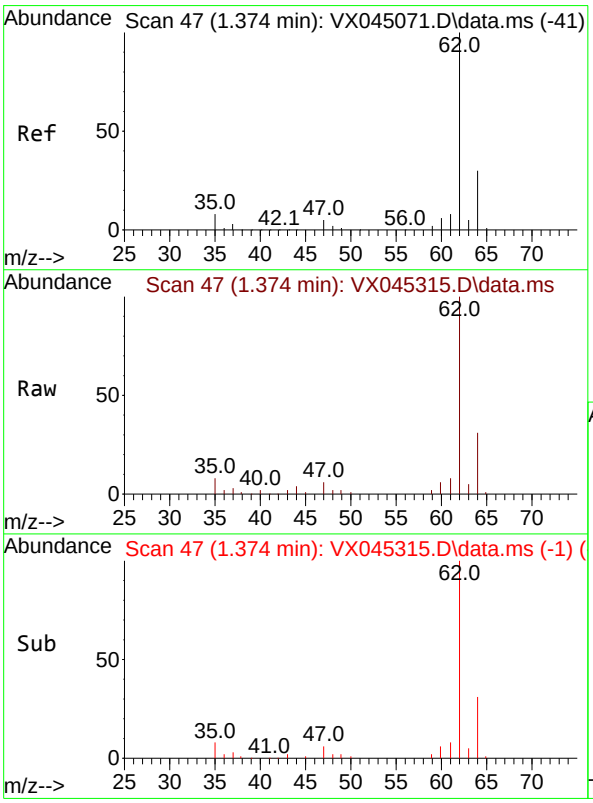
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

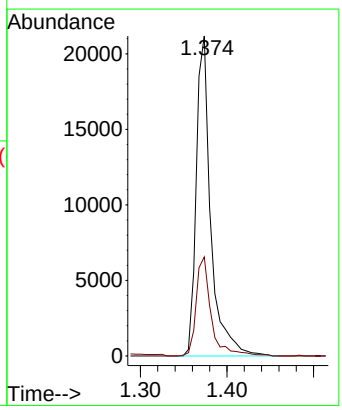
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

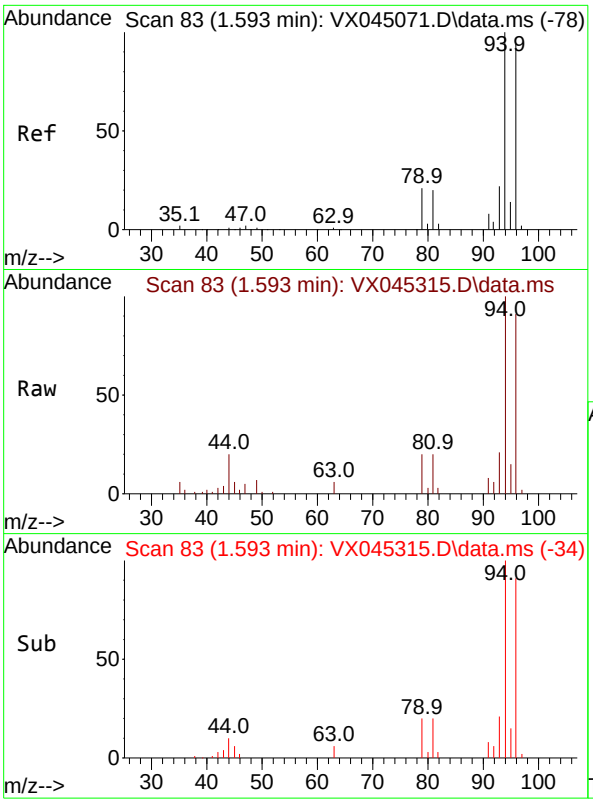


#4
Vinyl Chloride
Concen: 15.895 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 62 Resp: 24585

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.3	36.5

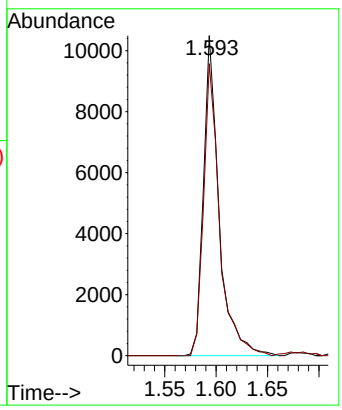




#5
Bromomethane
Concen: 18.232 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 94 Resp: 1108

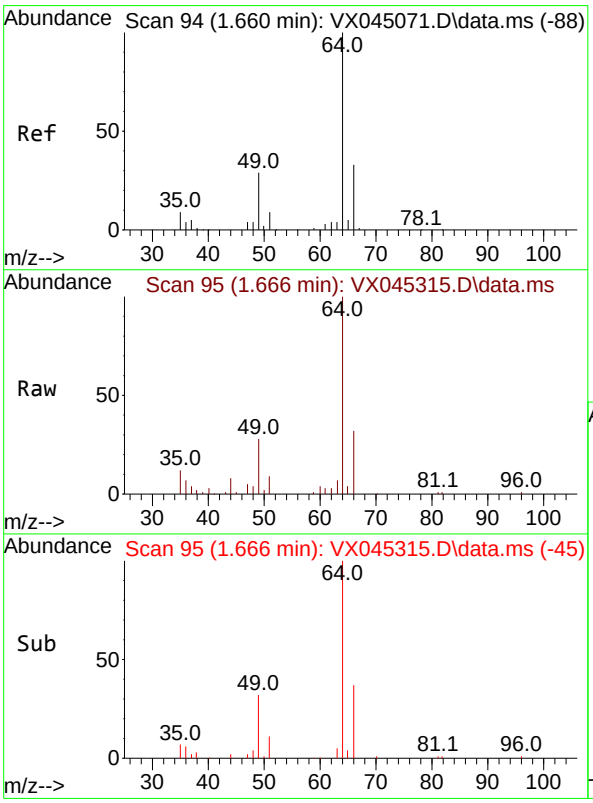
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

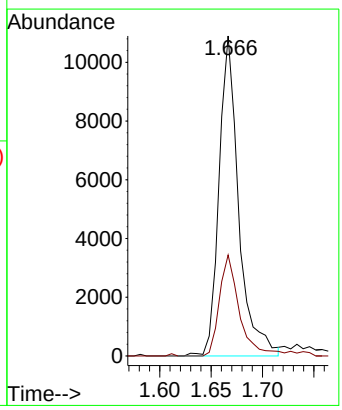
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

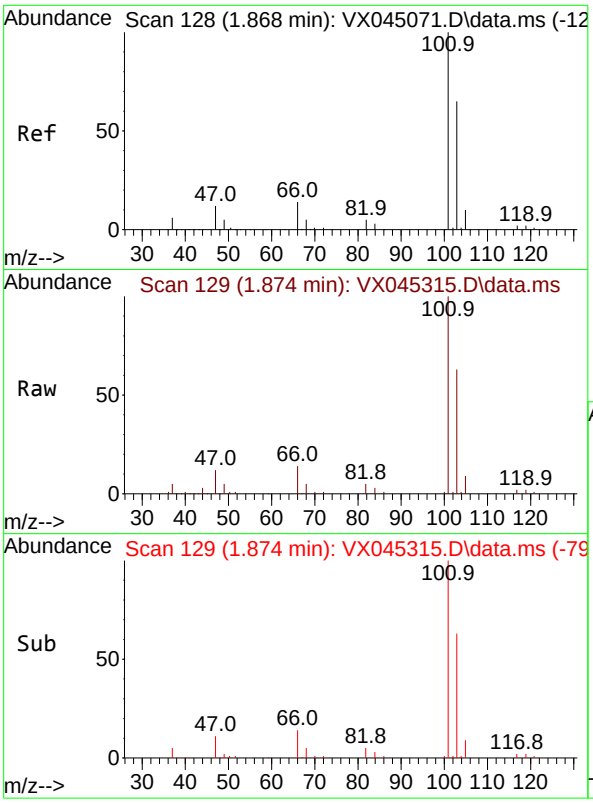


#6
Chloroethane
Concen: 20.285 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 64 Resp: 14472

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.7	40.1

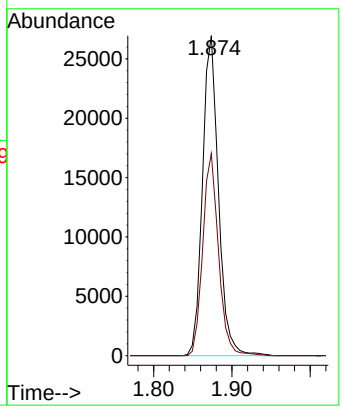




#7
Trichlorofluoromethane
Concen: 18.613 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:101 Resp: 3811

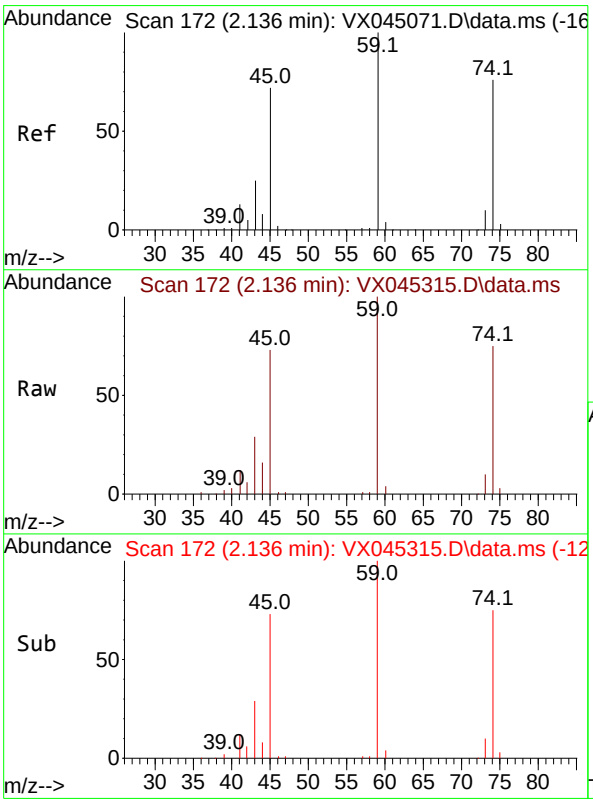
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

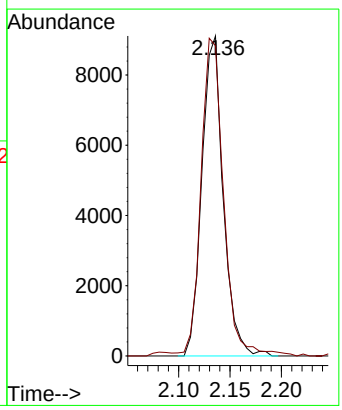
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

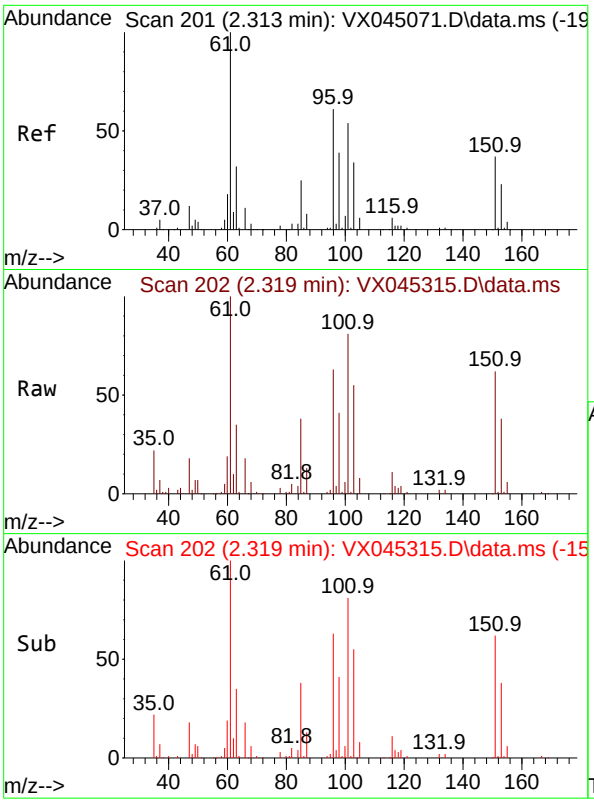


#8
Diethyl Ether
Concen: 16.415 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 74 Resp: 13147

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

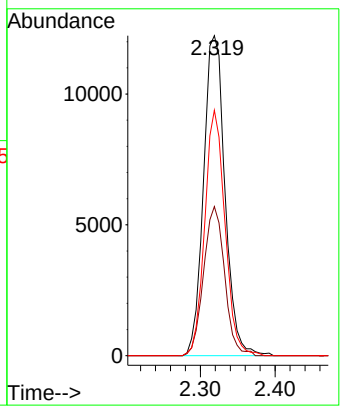




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.751 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:101 Resp: 2441

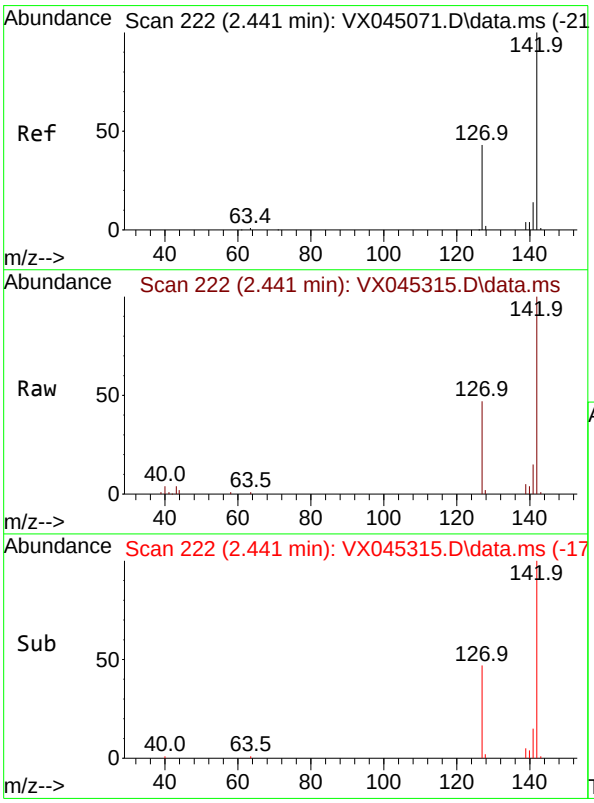
Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	72.4	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

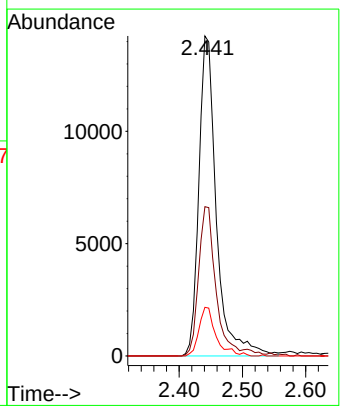
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

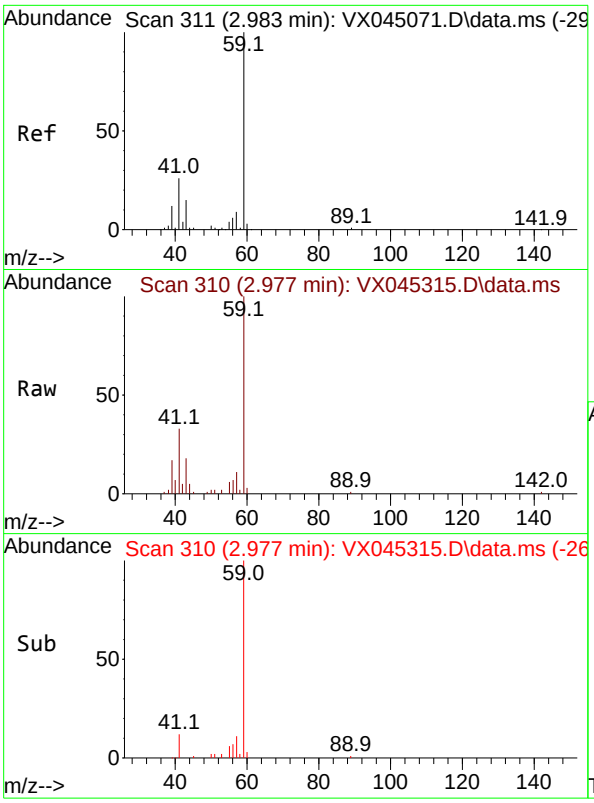


#10
Methyl Iodide
Concen: 18.736 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:142 Resp: 27544

Ion	Ratio	Lower	Upper
142	100		
127	47.0	35.4	53.2
141	14.7	11.6	17.4

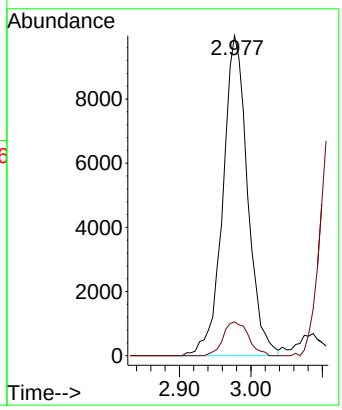




#11
Tert butyl alcohol
Concen: 78.575 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 59 Resp: 2396

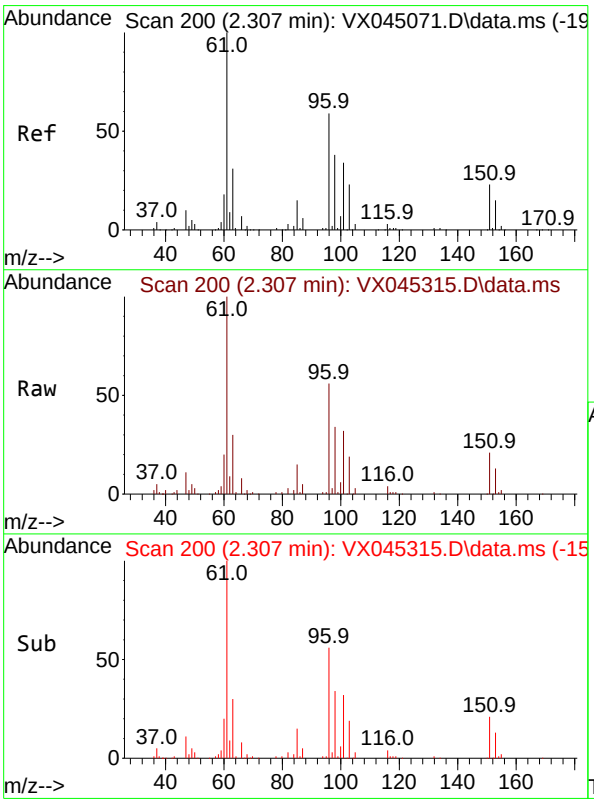
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

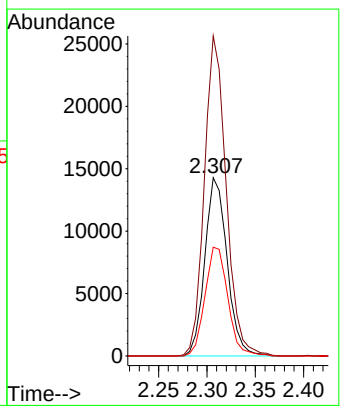
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

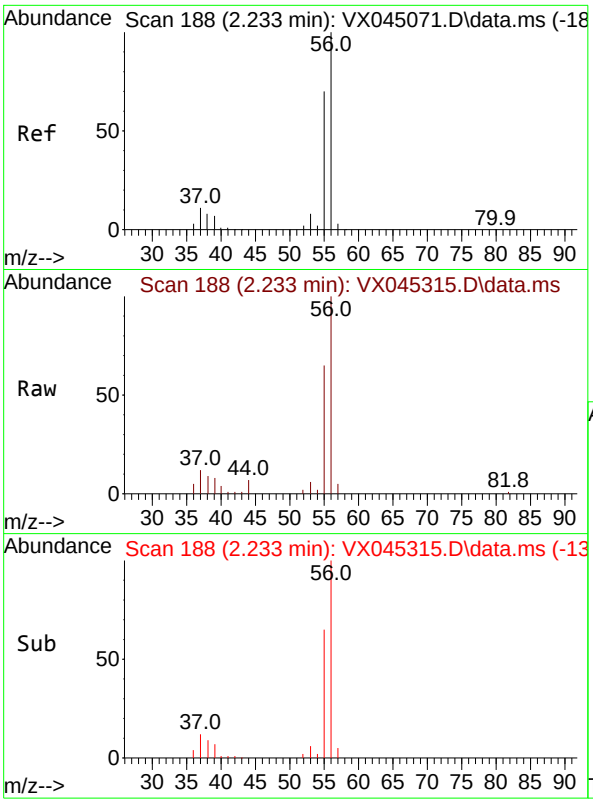


#12
1,1-Dichloroethene
Concen: 18.466 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 96 Resp: 22967

Ion	Ratio	Lower	Upper
96	100		
61	179.5	134.6	202.0
98	61.0	51.0	76.6

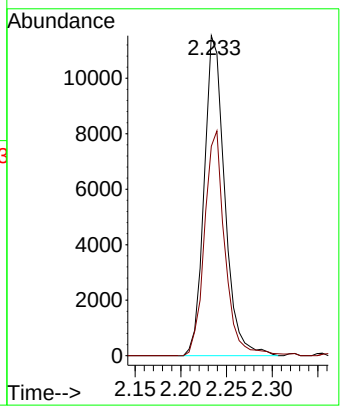




#13
Acrolein
Concen: 51.080 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 56 Resp: 1800

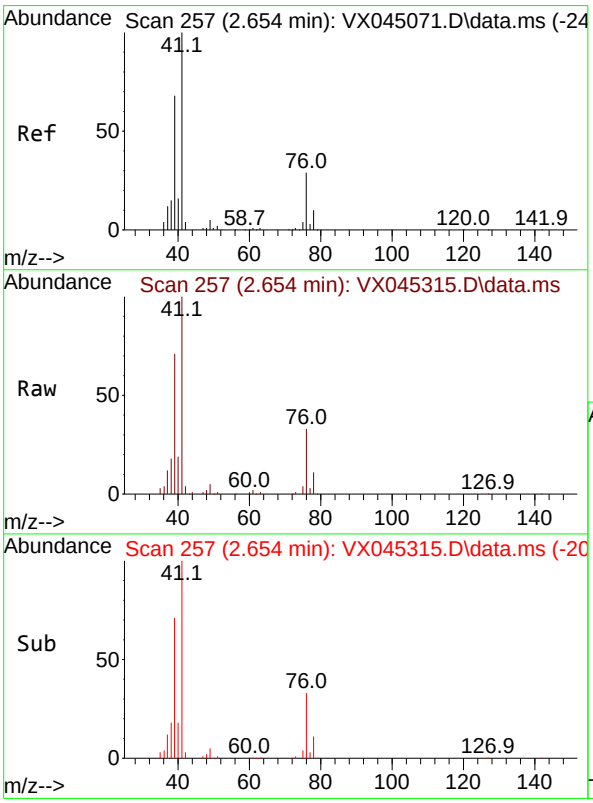
Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

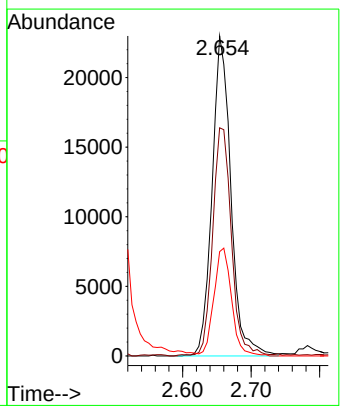
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

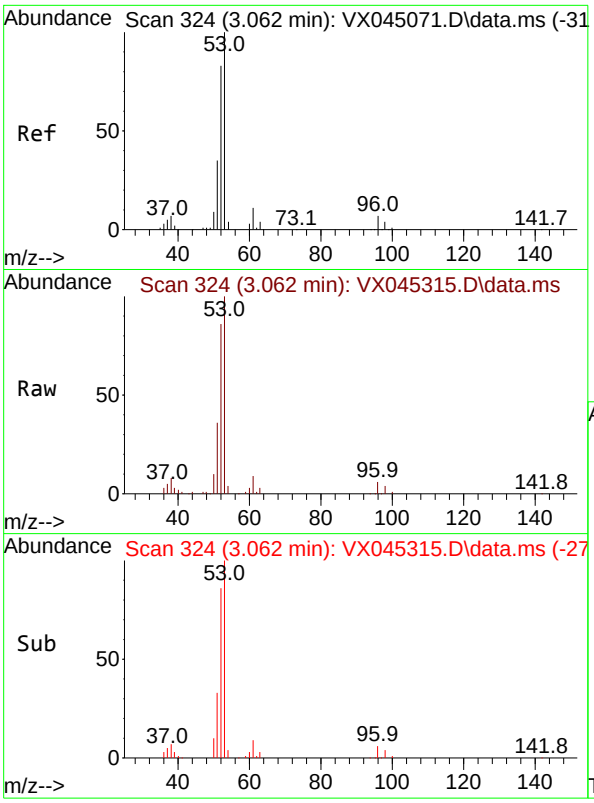


#14
Allyl chloride
Concen: 19.808 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 41 Resp: 43853

Ion	Ratio	Lower	Upper
41	100		
39	71.2	53.8	80.8
76	31.6	25.2	37.8

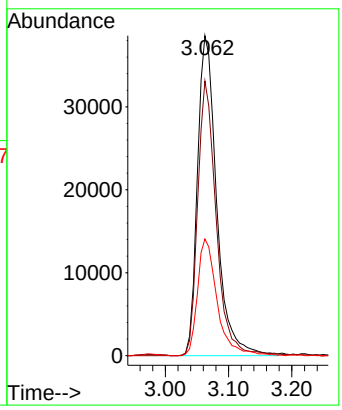




#15
Acrylonitrile
Concen: 99.811 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 53 Resp: 8157

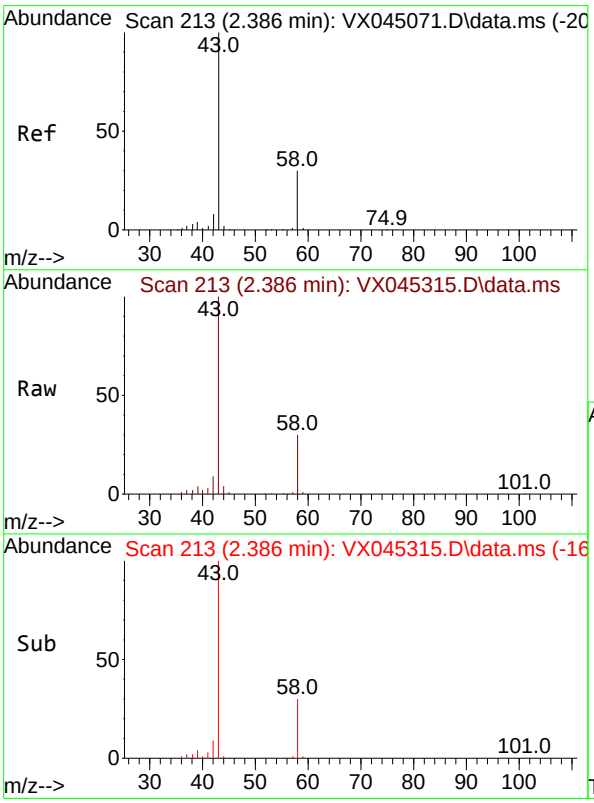
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	37.5	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

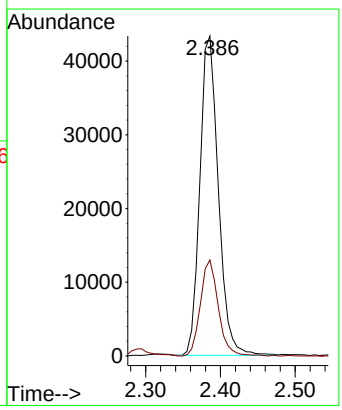
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

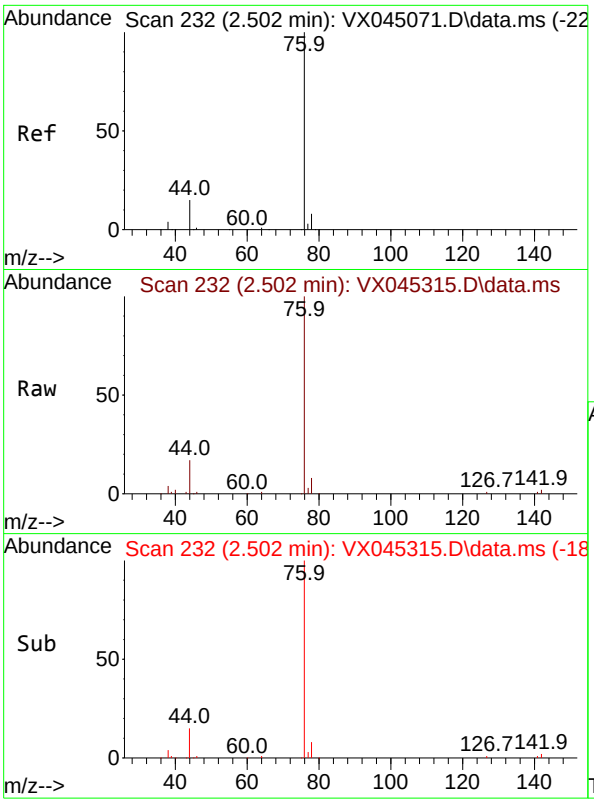


#16
Acetone
Concen: 99.433 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 74275

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4

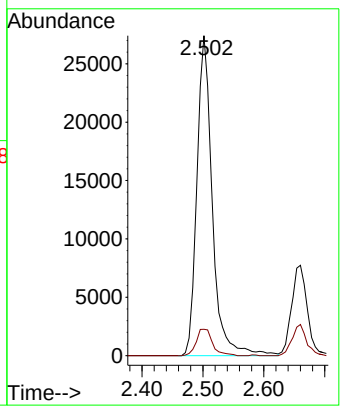




#17
Carbon Disulfide
Concen: 14.570 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 76 Resp: 4826

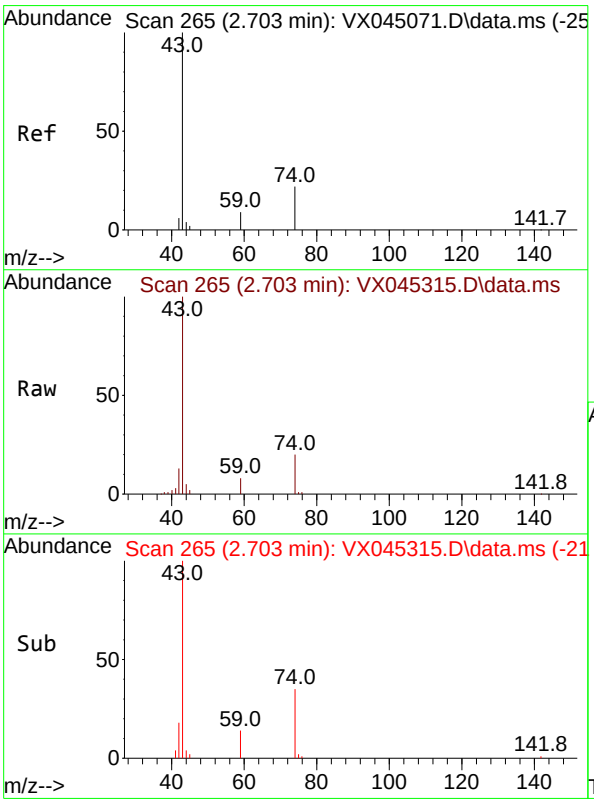
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

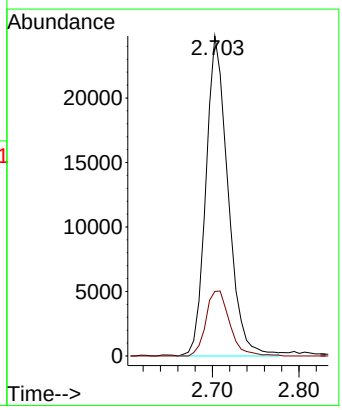
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

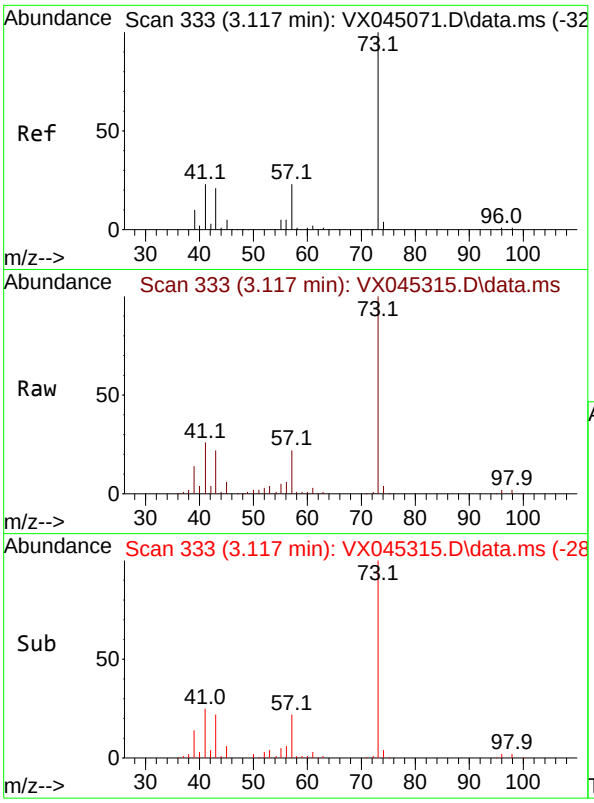


#18
Methyl Acetate
Concen: 24.493 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 44014

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

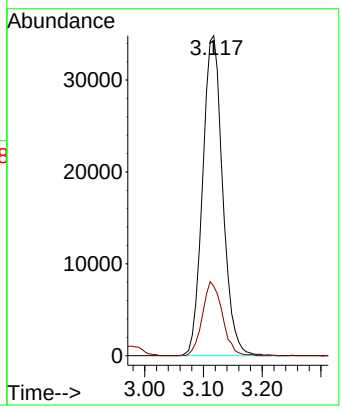




#19
Methyl tert-butyl Ether
Concen: 19.773 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 73 Resp: 8250

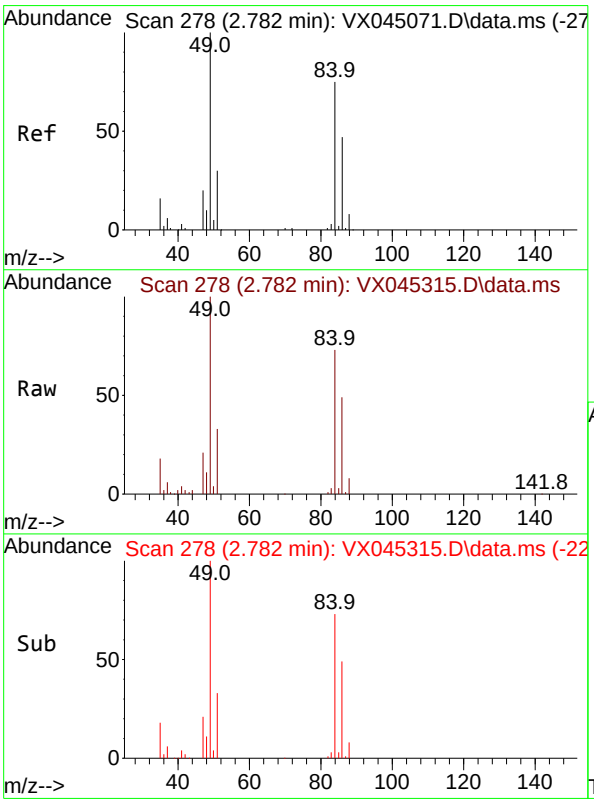
Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

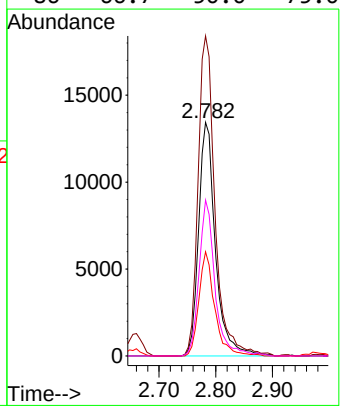
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

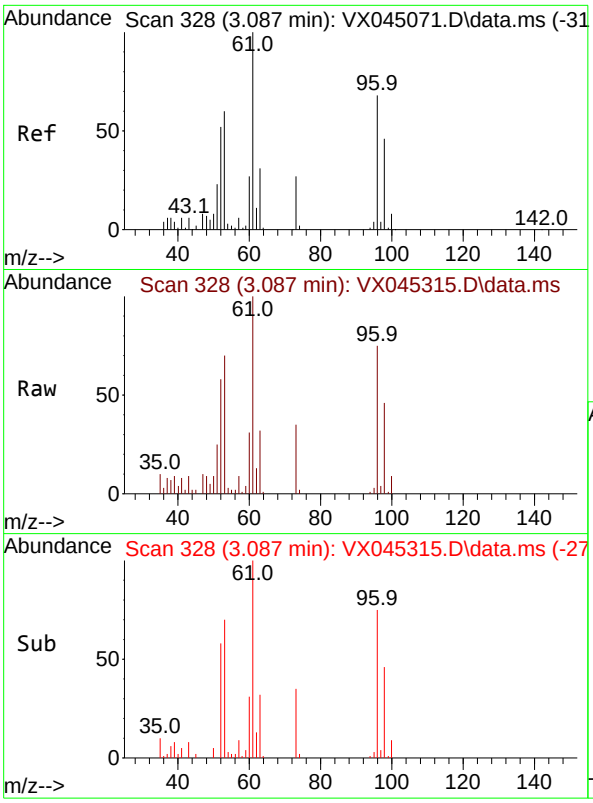


#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 84 Resp: 27791

Ion	Ratio	Lower	Upper
84	100		
49	137.0	106.5	159.7
51	44.6	32.1	48.1
86	66.7	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.742 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

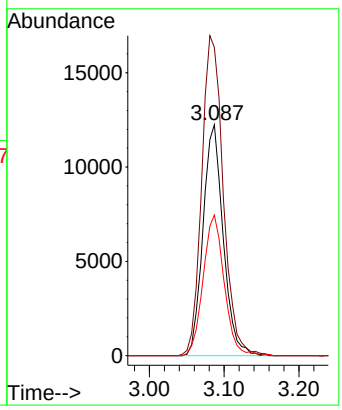
Tgt Ion: 96 Resp: 2302

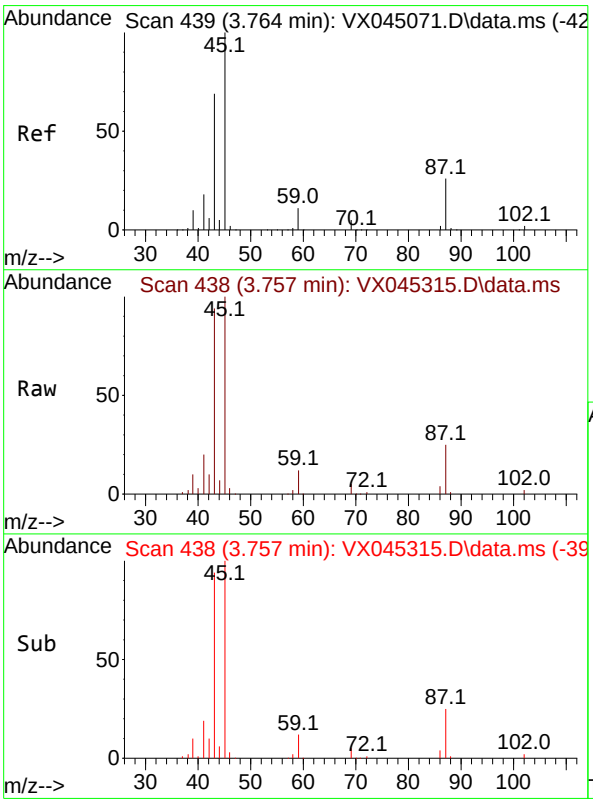
Ion	Ratio	Lower	Upper
96	100		
61	133.5	117.0	175.4
98	60.9	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

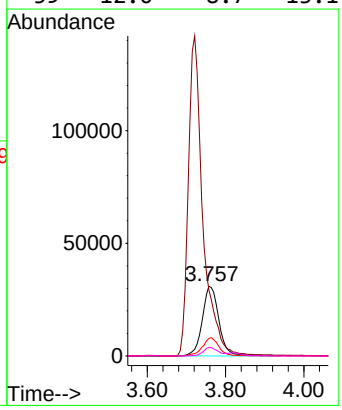


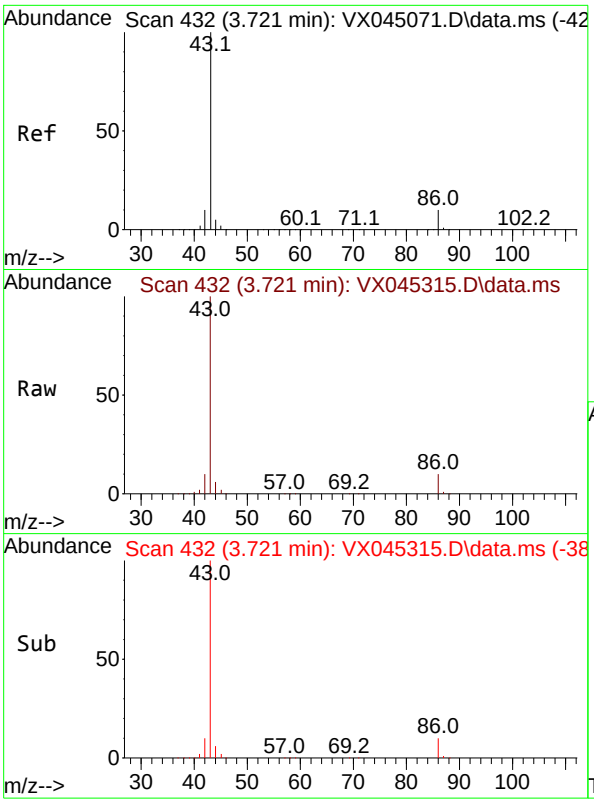


#22
Diisopropyl ether
Concen: 20.287 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 45 Resp: 91341

Ion	Ratio	Lower	Upper
45	100		
43	93.3	54.9	82.3#
87	25.1	21.0	31.4
59	12.0	8.7	13.1





#23
Vinyl Acetate
Concen: 98.077 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

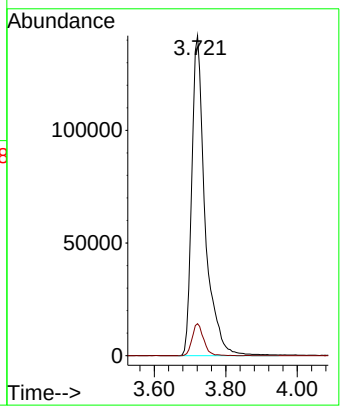
Tgt Ion: 43 Resp: 36851

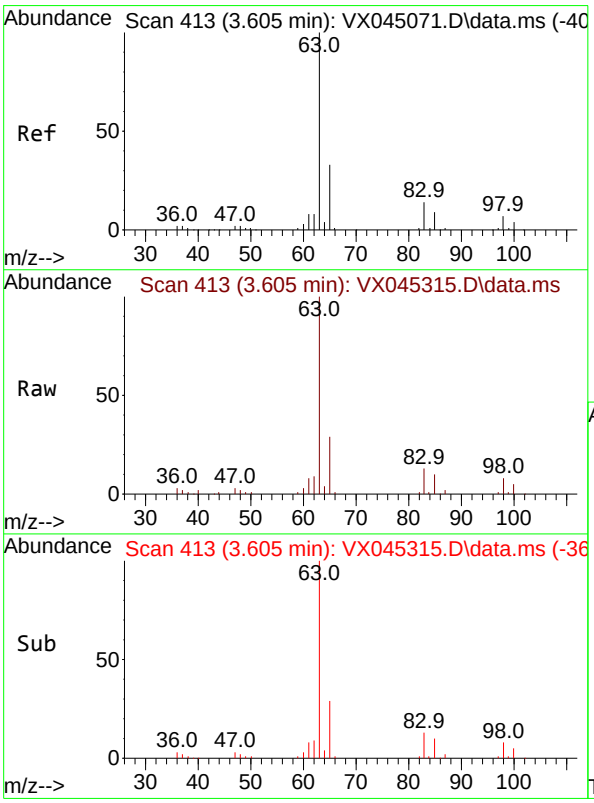
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

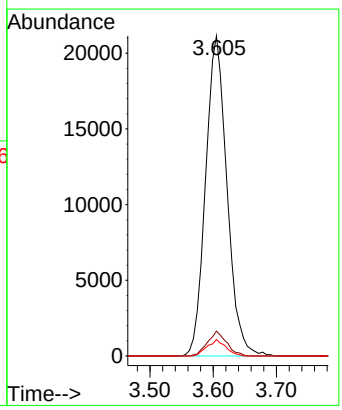


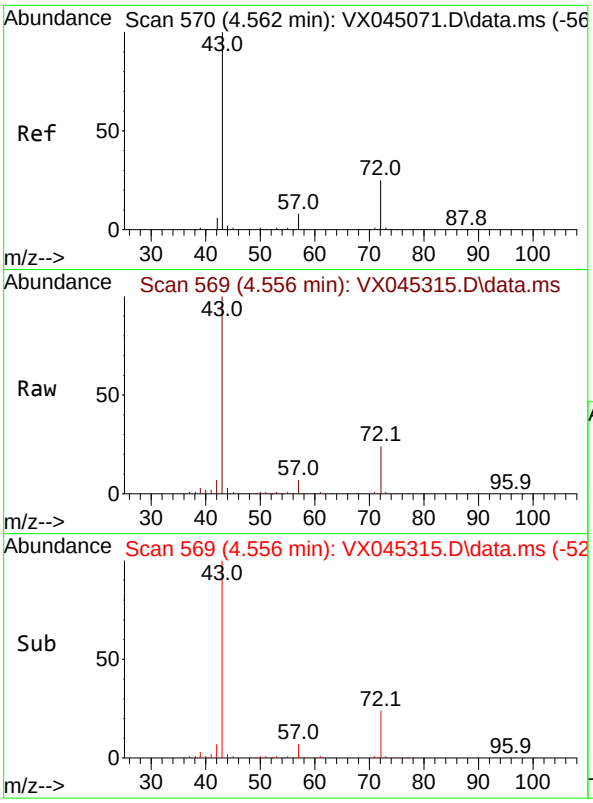


#24
1,1-Dichloroethane
Concen: 19.695 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 63 Resp: 49698

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	5.1	2.1	6.5





#25
2-Butanone
Concen: 102.970 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

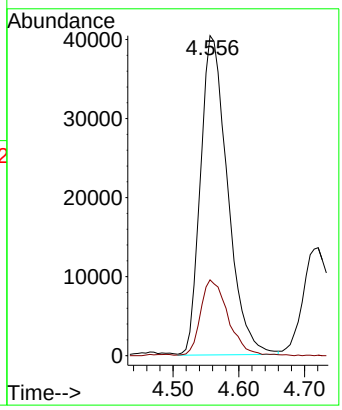
Tgt Ion: 43 Resp: 11577

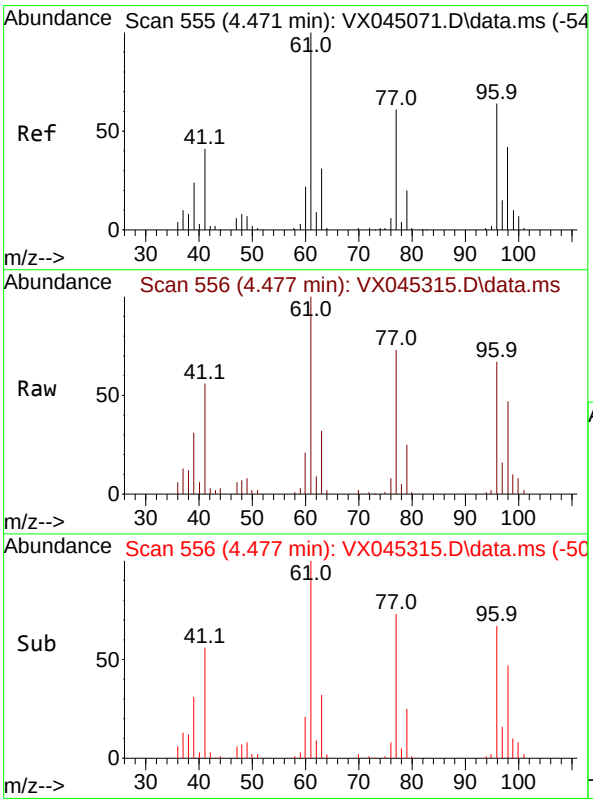
Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

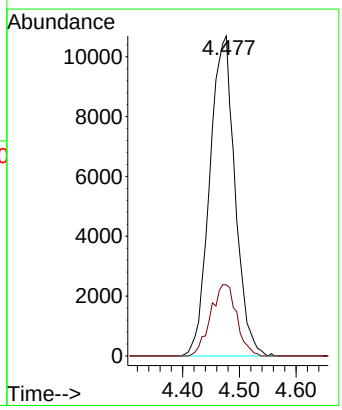


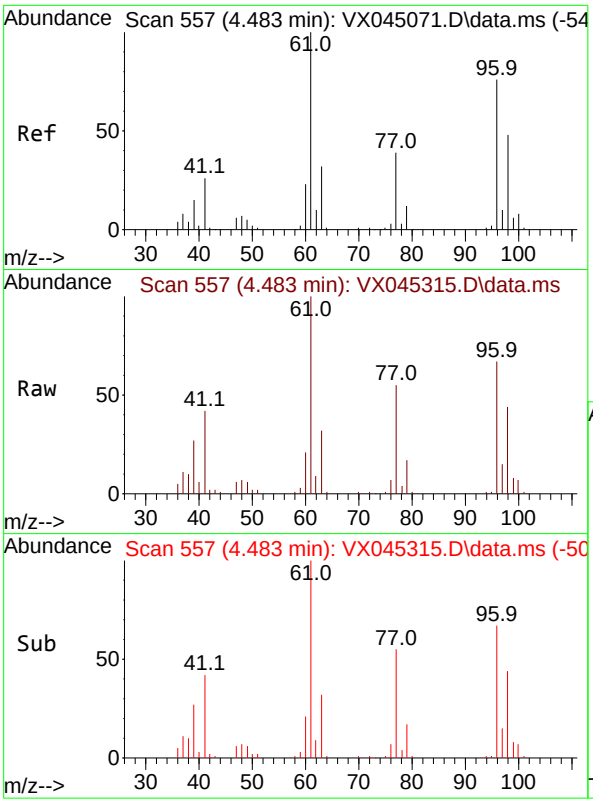


#26
2,2-Dichloropropane
Concen: 27.919 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 77 Resp: 33045

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0

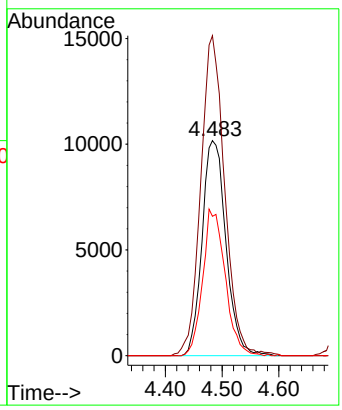




#27
cis-1,2-Dichloroethene
Concen: 19.599 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 96 Resp: 2972

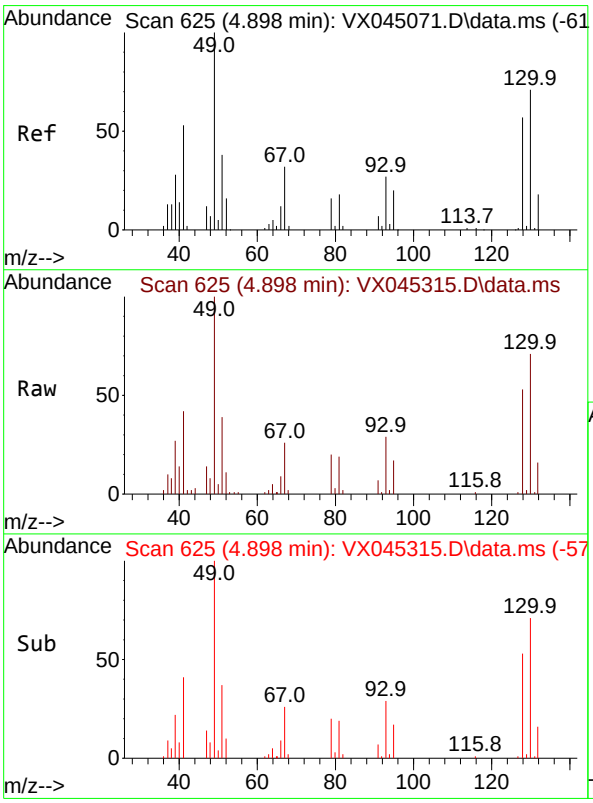
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	283.2
98	64.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

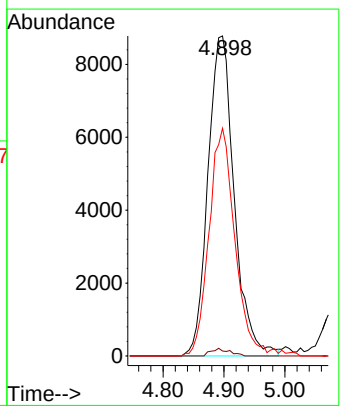
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

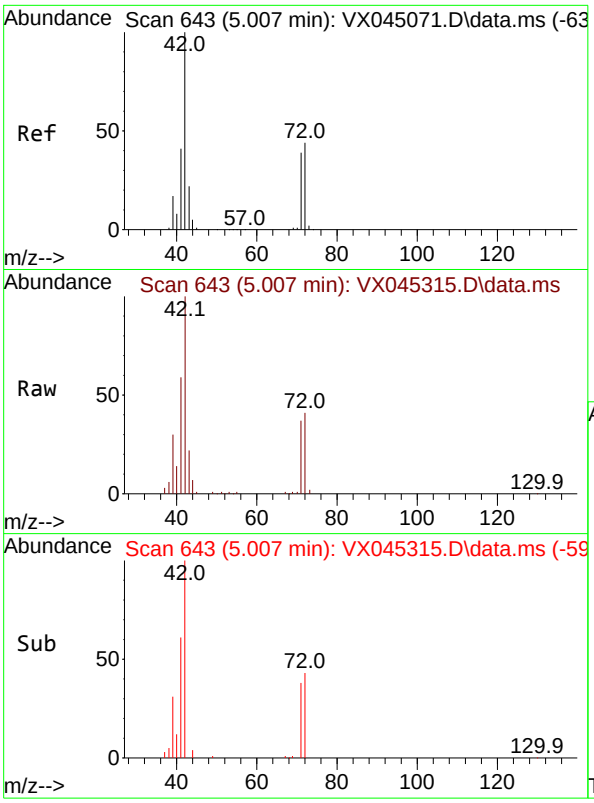


#28
Bromochloromethane
Concen: 21.837 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 49 Resp: 26265

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.8	56.1	84.1

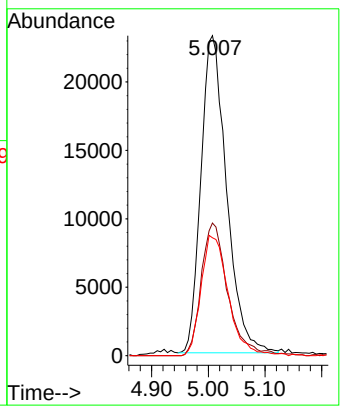




#29
Tetrahydrofuran
Concen: 96.628 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 42 Resp: 7296

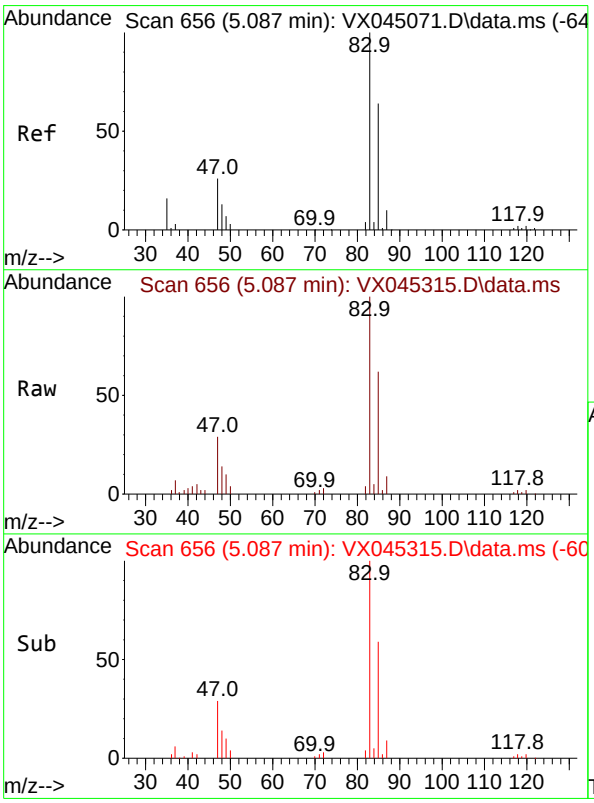
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.1	51.1
71	39.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

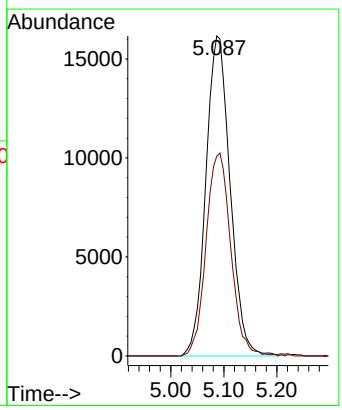
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

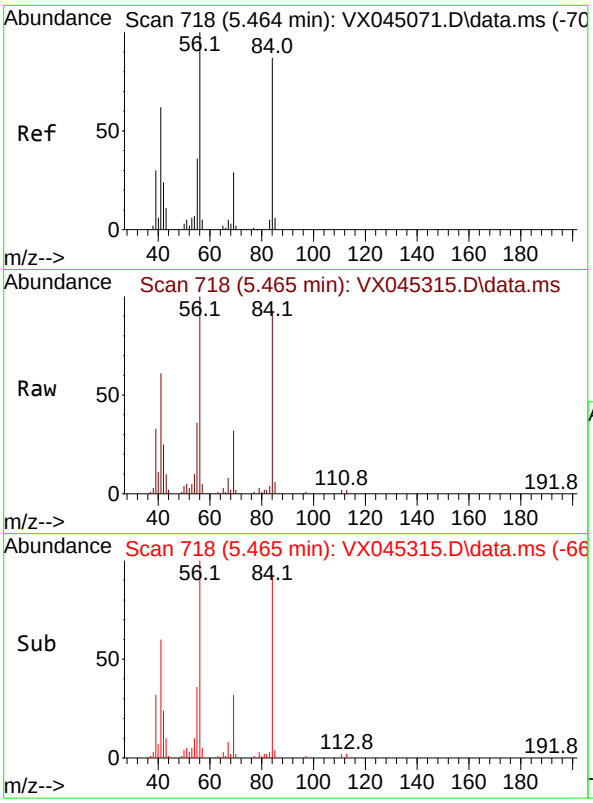


#30
Chloroform
Concen: 20.477 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 83 Resp: 51341

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

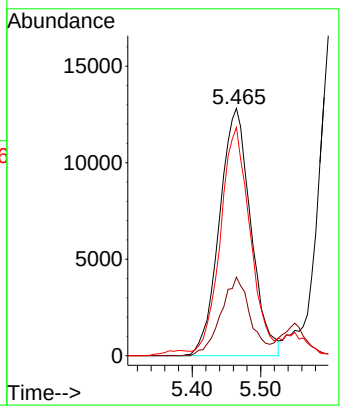




#31
Cyclohexane
Concen: 18.606 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 56 Resp: 4075

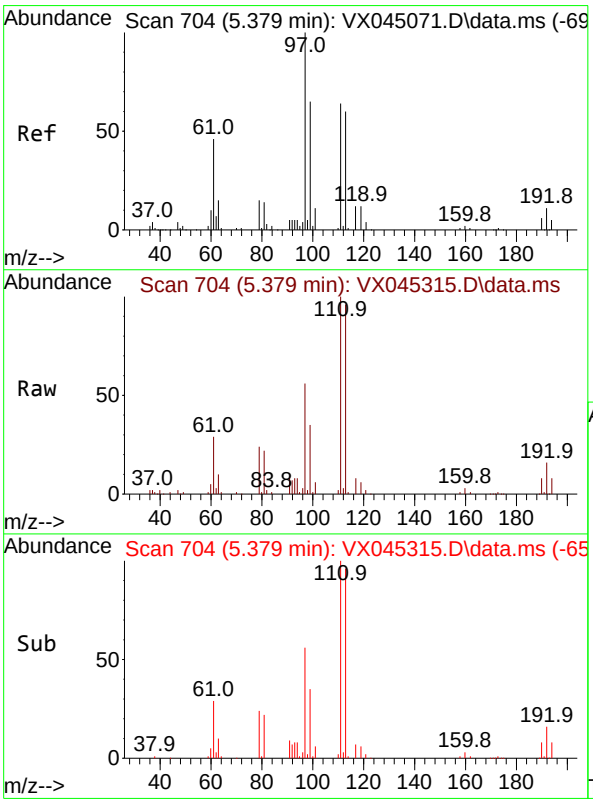
Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.4	35.2
84	90.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

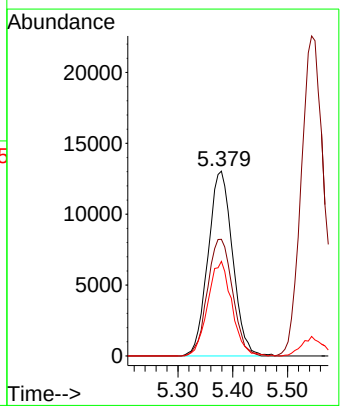
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

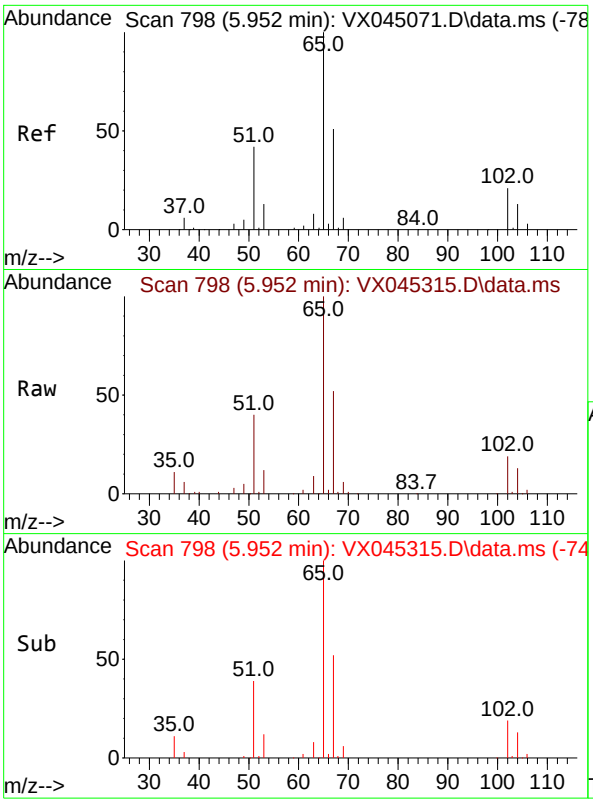


#32
1,1,1-Trichloroethane
Concen: 20.038 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 97 Resp: 40576

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	50.2	38.4	57.6

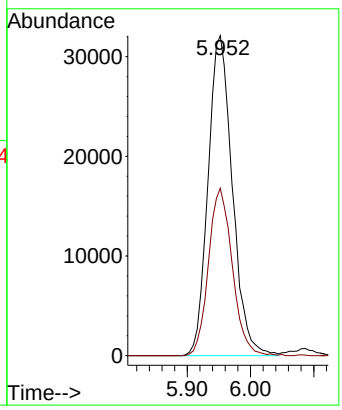




#33
1,2-Dichloroethane-d4
Concen: 53.211 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 65 Resp: 8566

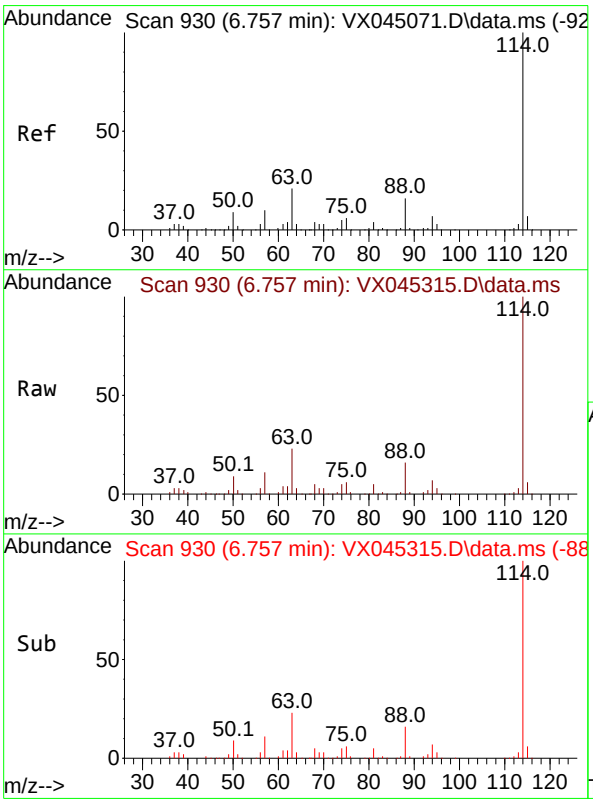
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

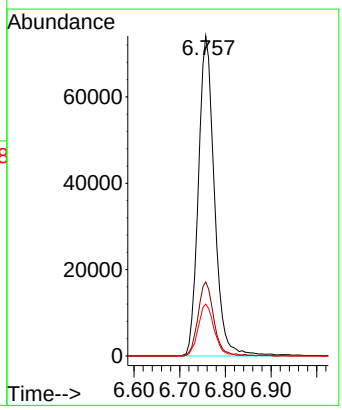
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

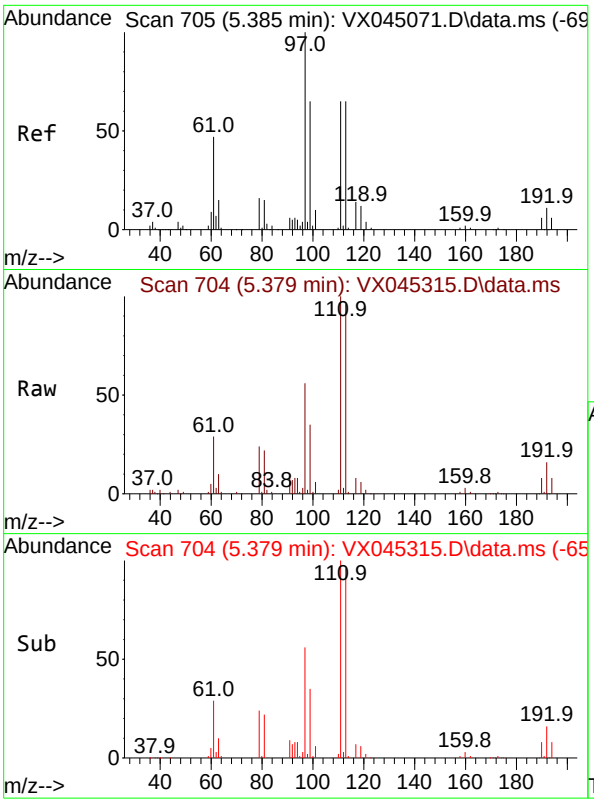


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:114 Resp: 179978

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.2	0.0	32.8

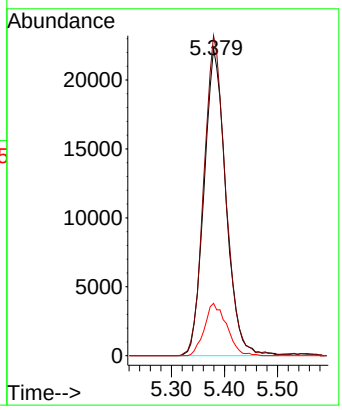




#35
Dibromofluoromethane
Concen: 52.902 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:113 Resp: 6366

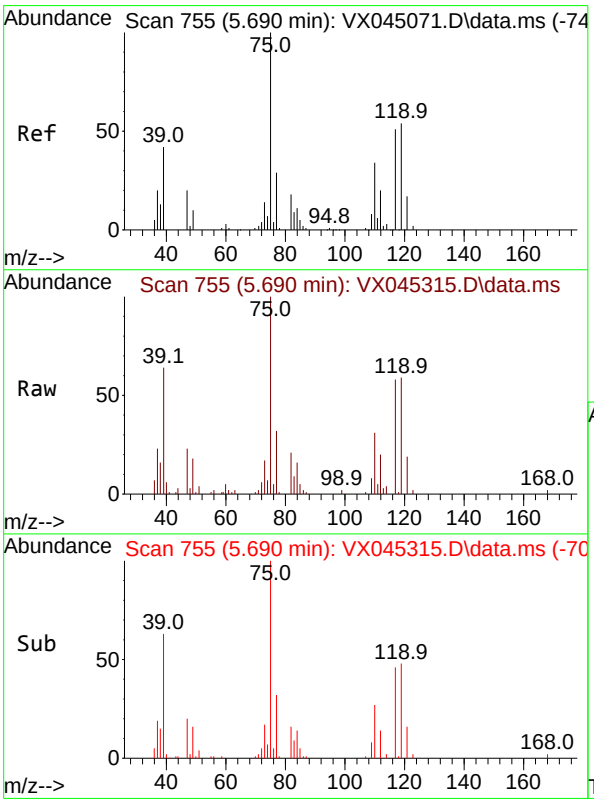
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

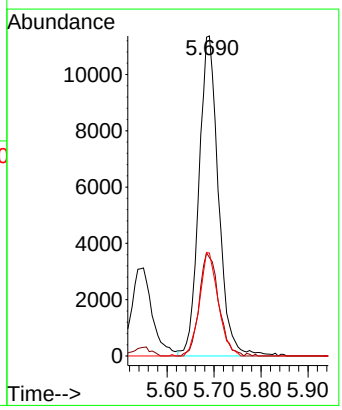
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

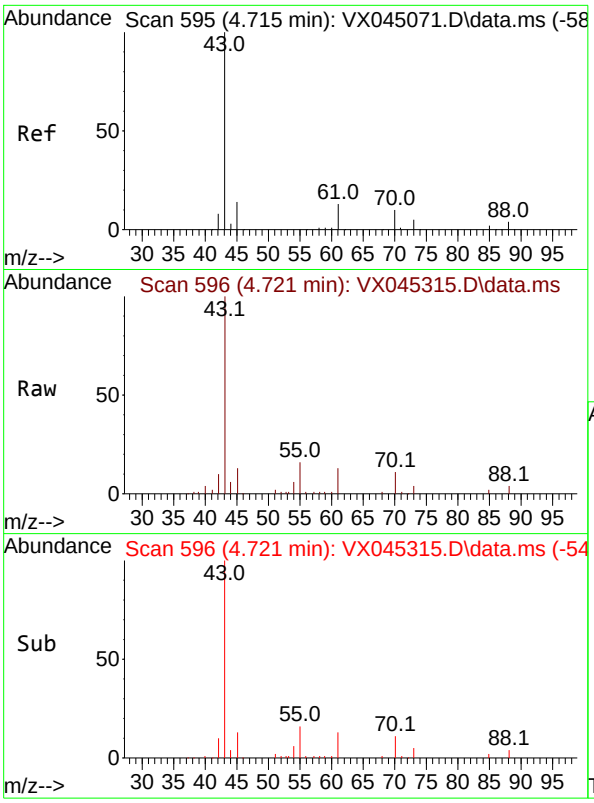


#36
1,1-Dichloropropene
Concen: 19.843 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 32750

Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.9	50.6
77	30.9	24.5	36.7

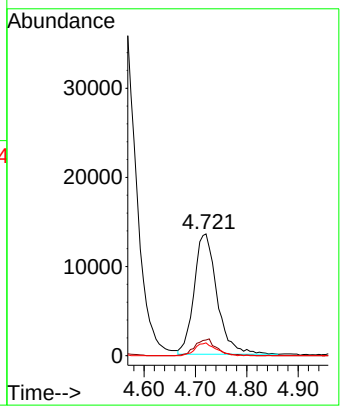




#37
Ethyl Acetate
Concen: 19.701 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 4189

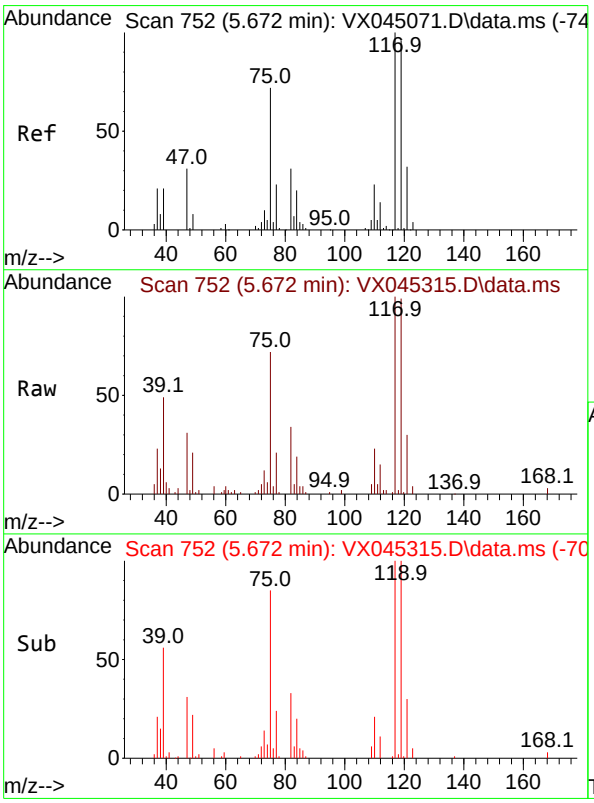
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

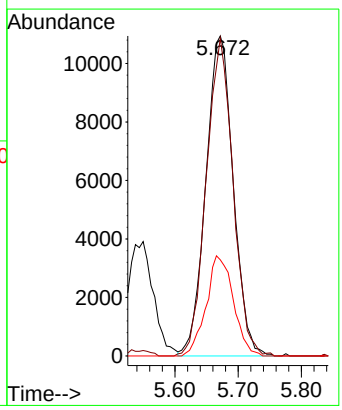
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

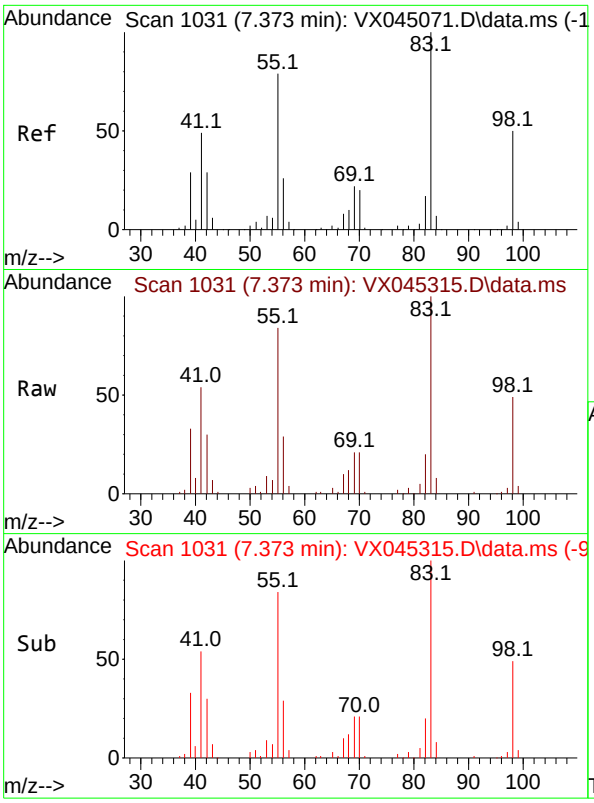


#38
Carbon Tetrachloride
Concen: 19.691 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:117 Resp: 32994

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.7	115.1
121	30.1	25.5	38.3

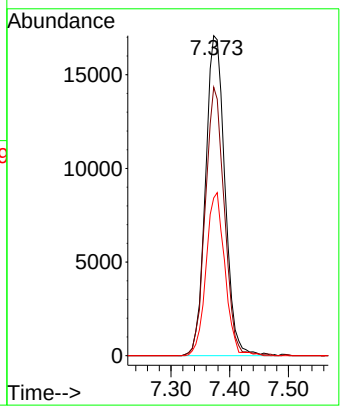




#39
Methylcyclohexane
Concen: 19.833 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 83 Resp: 3922

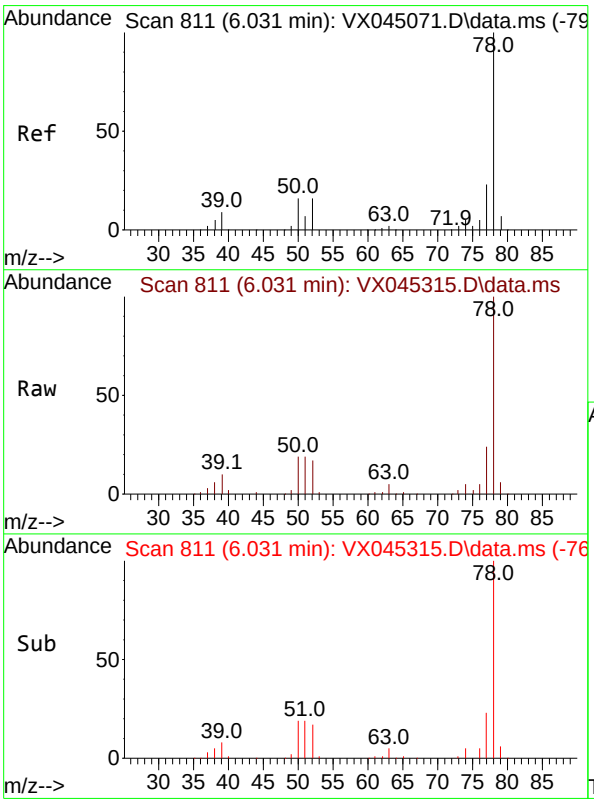
Ion	Ratio	Lower	Upper
83	100		
55	83.9	63.0	94.4
98	49.3	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

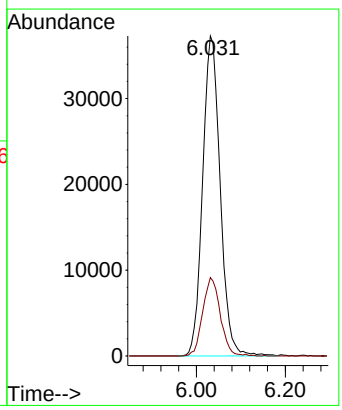
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

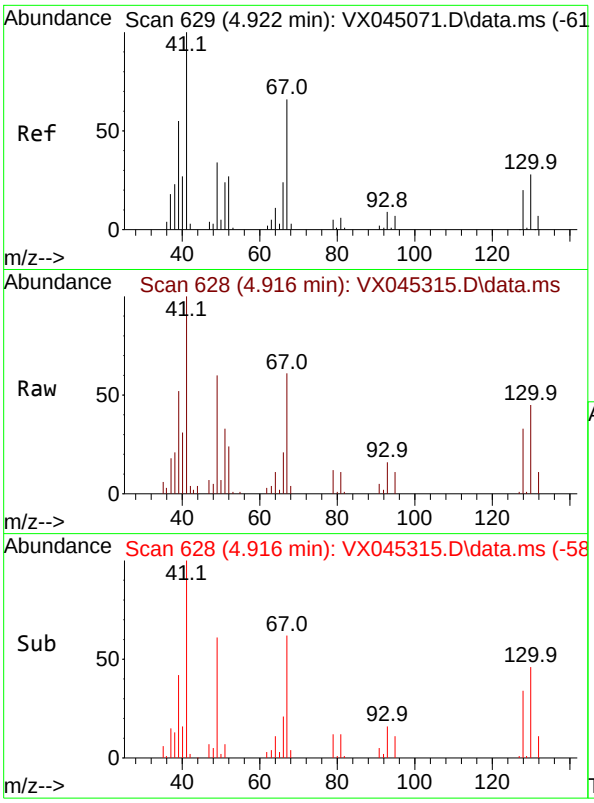


#40
Benzene
Concen: 19.688 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 78 Resp: 102609

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

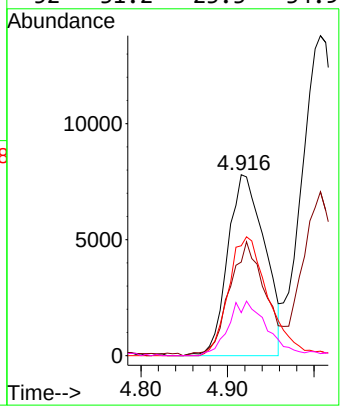




#41
Methacrylonitrile
Concen: 20.079 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 41 Resp: 2309

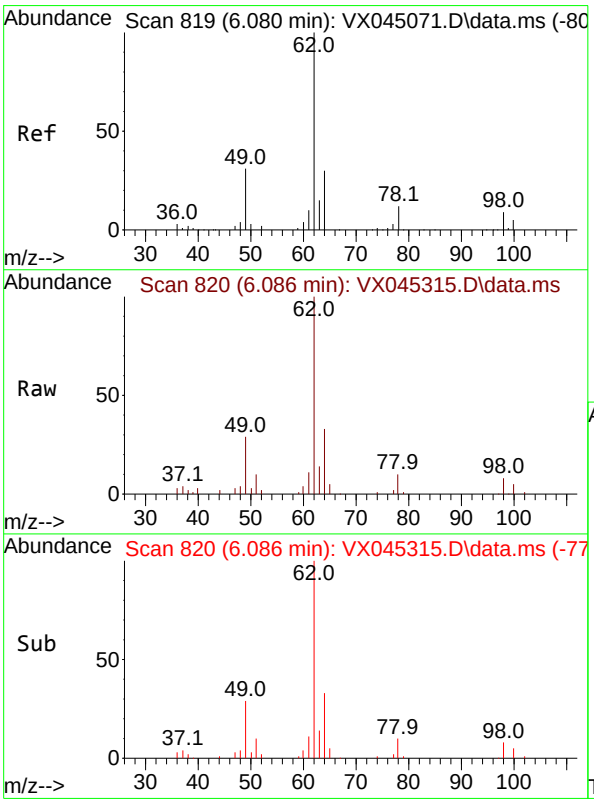
Ion	Ratio	Lower	Upper
41	100		
39	61.9	44.6	67.0
67	71.0	53.9	80.9
52	31.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

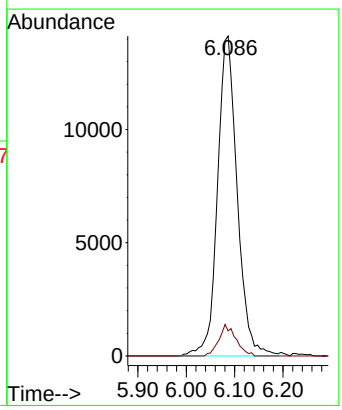
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

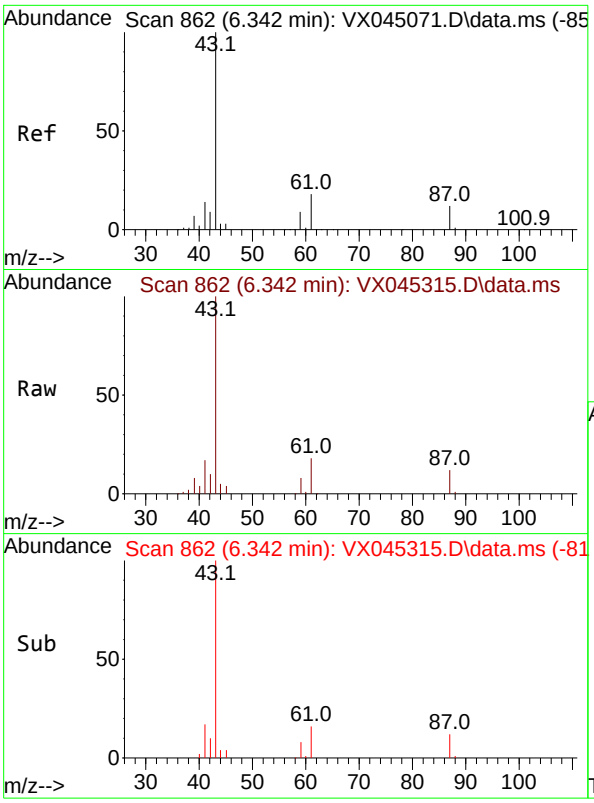


#42
1,2-Dichloroethane
Concen: 21.290 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 62 Resp: 39956

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

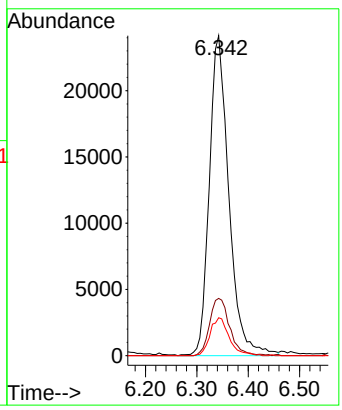




#43
Isopropyl Acetate
Concen: 20.338 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 6395

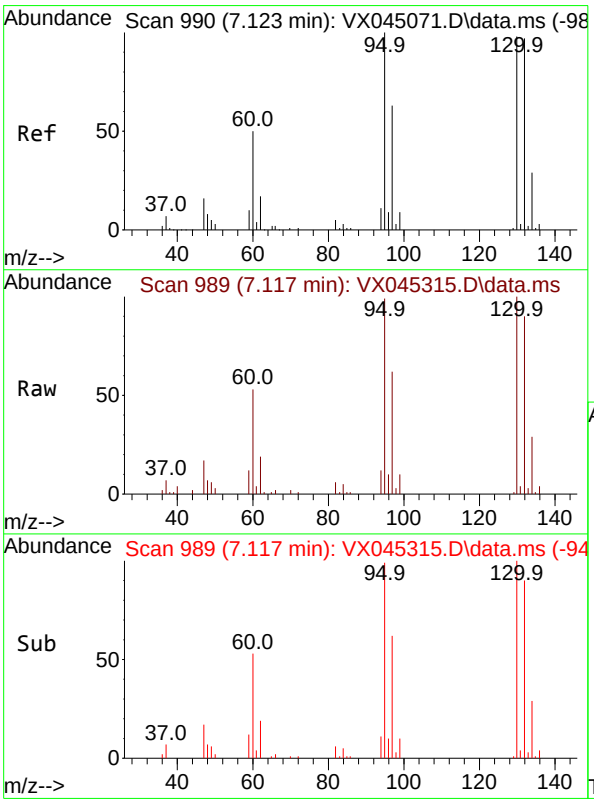
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

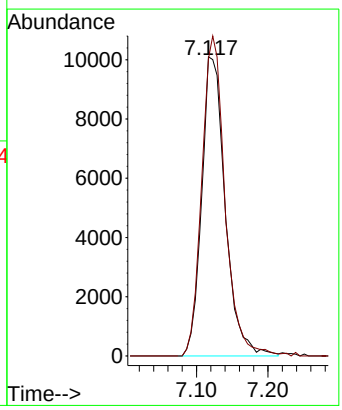
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

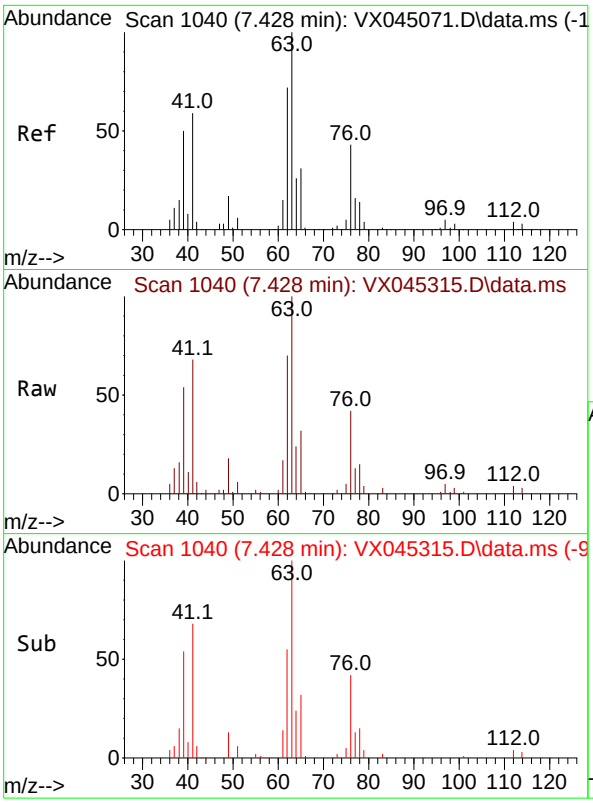


#44
Trichloroethene
Concen: 18.874 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:130 Resp: 23097

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

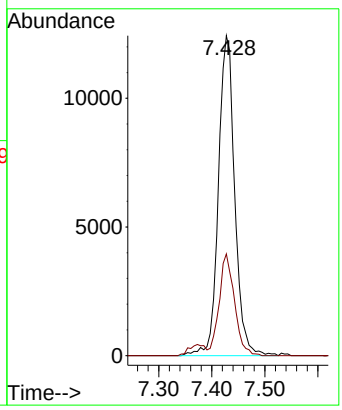




#45
1,2-Dichloropropane
Concen: 19.844 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 63 Resp: 2659

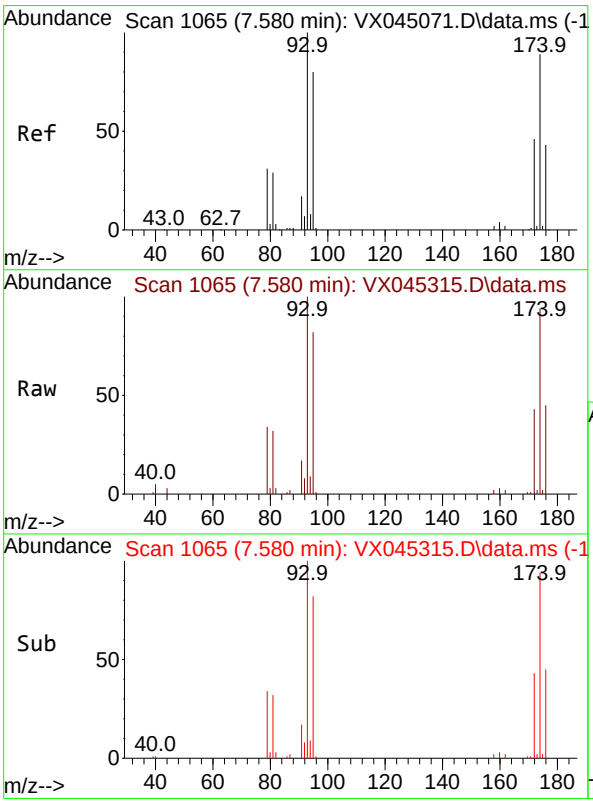
Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

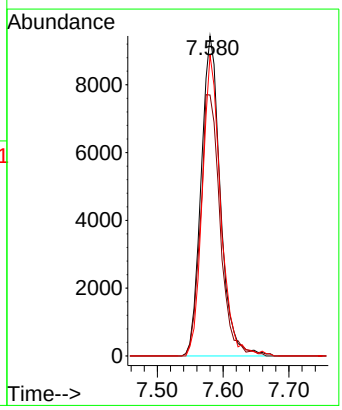
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

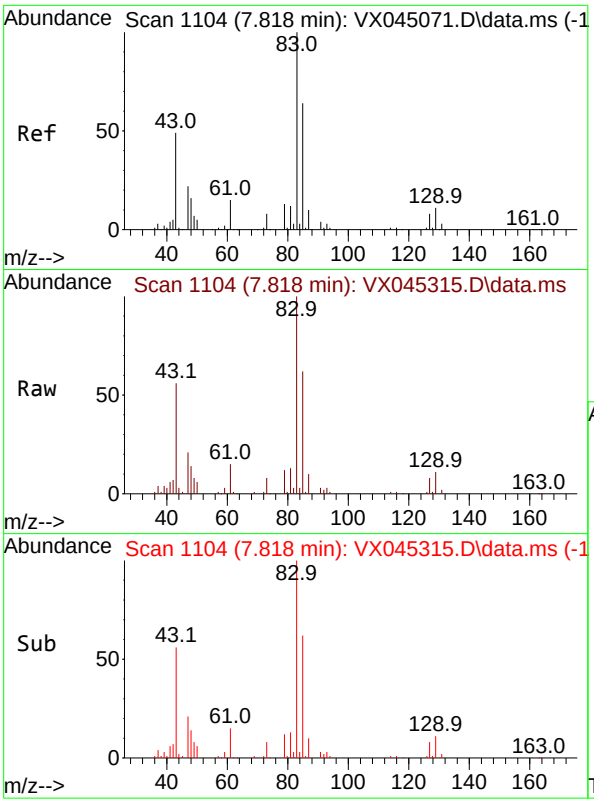


#46
Dibromomethane
Concen: 20.282 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 93 Resp: 19209

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.8
174	89.8	72.2	108.2

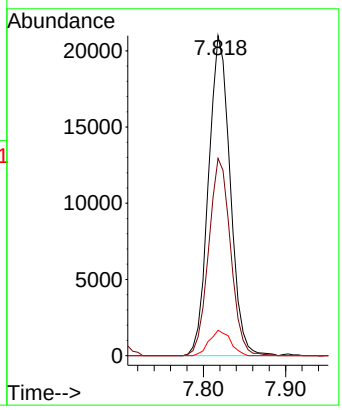




#47
Bromodichloromethane
Concen: 20.605 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 83 Resp: 3827

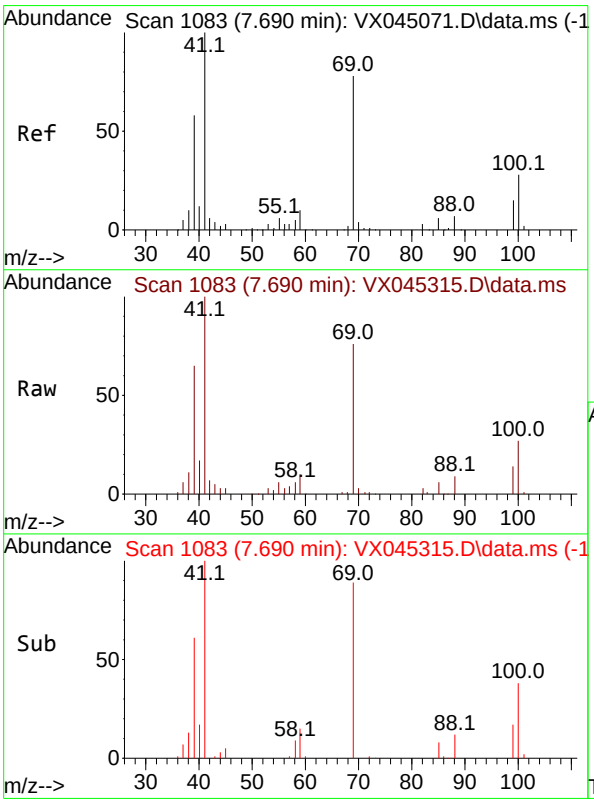
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

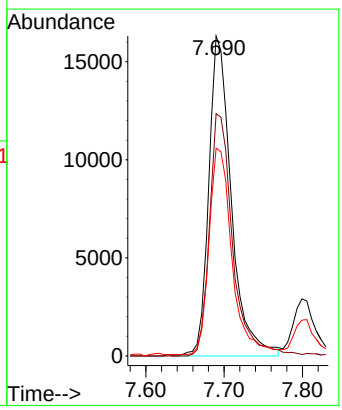
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

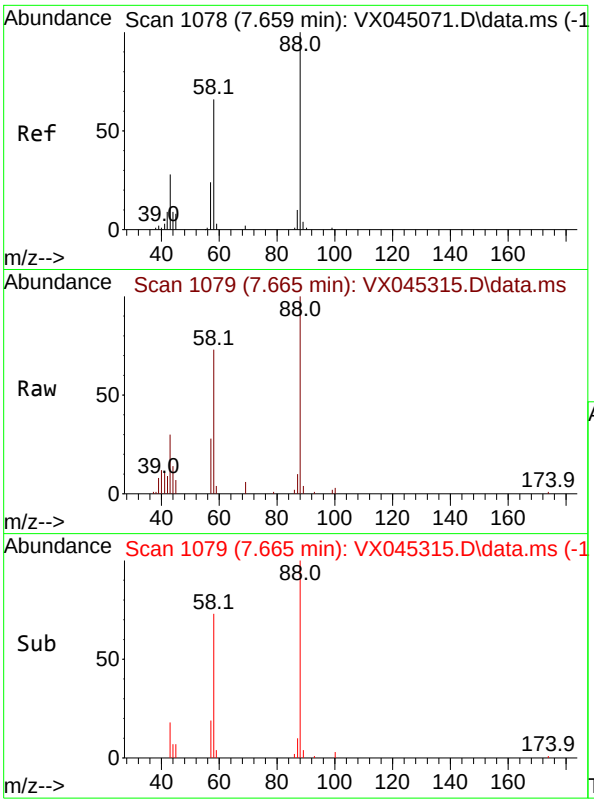


#48
Methyl methacrylate
Concen: 20.645 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 41 Resp: 32572

Ion	Ratio	Lower	Upper
41	100		
69	77.9	63.0	94.6
39	65.9	47.5	71.3

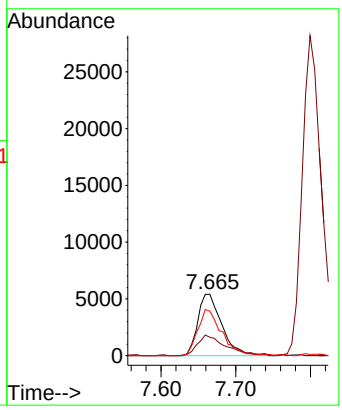




#49
1,4-Dioxane
Concen: 362.201 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 88 Resp: 1205

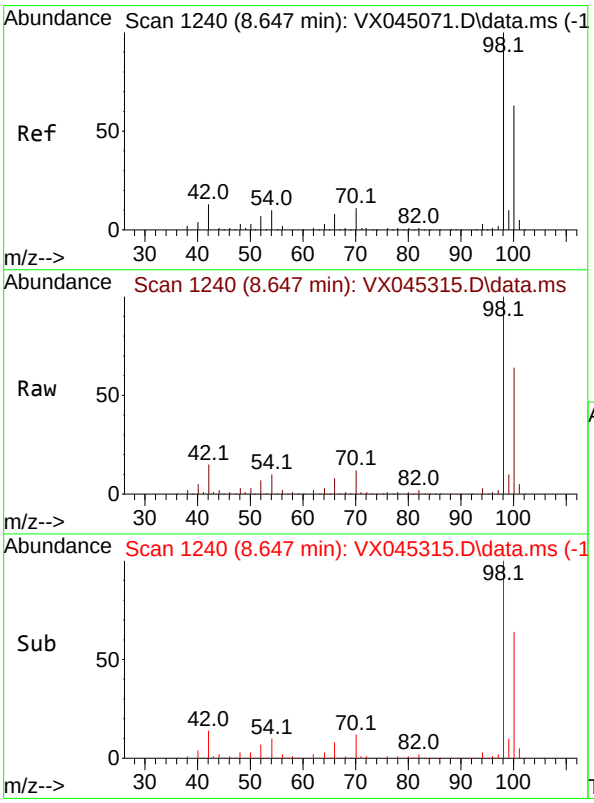
Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.7	43.1
58	75.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

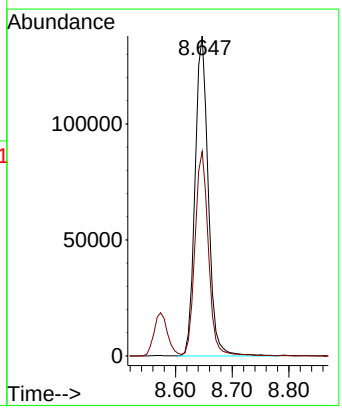
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

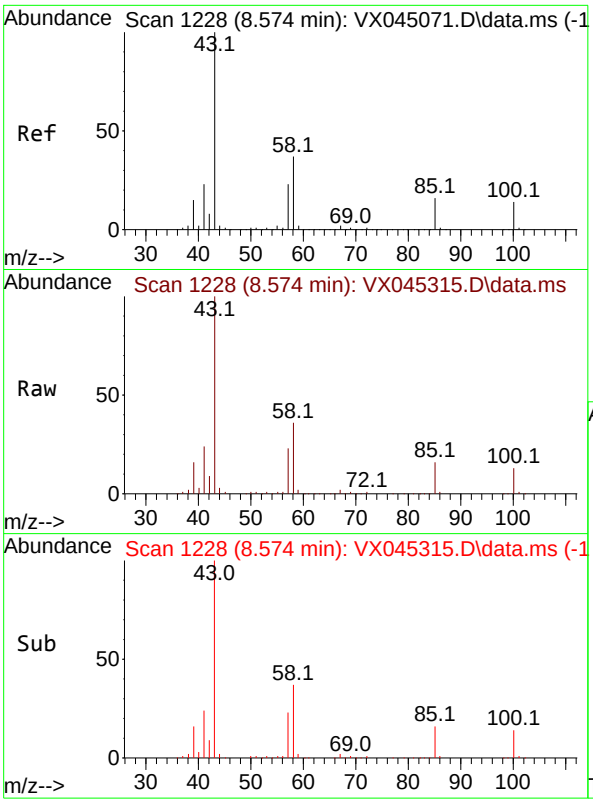


#50
Toluene-d8
Concen: 51.202 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 98 Resp: 223393

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

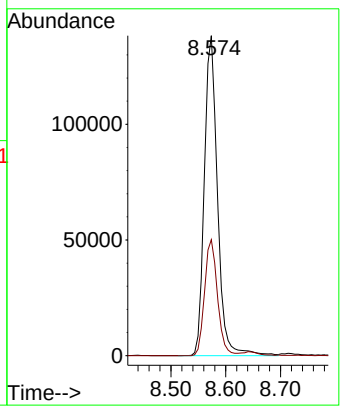




#51
4-Methyl-2-Pentanone
Concen: 109.054 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 23027

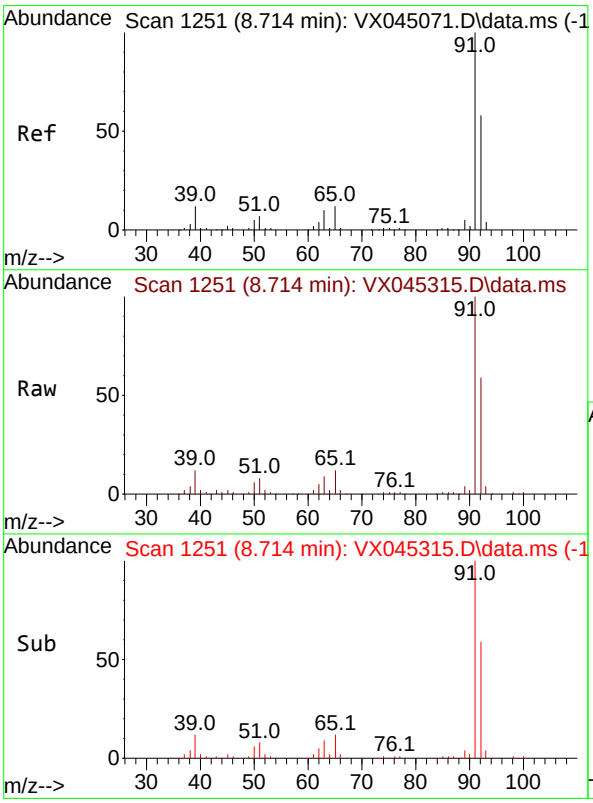
Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

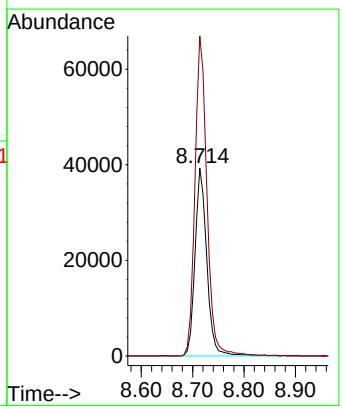
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

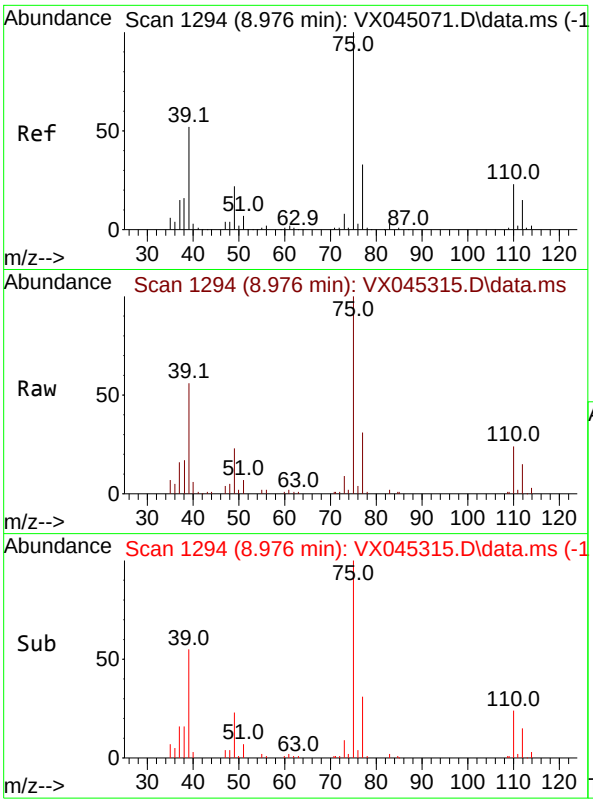


#52
Toluene
Concen: 20.477 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 92 Resp: 62616

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

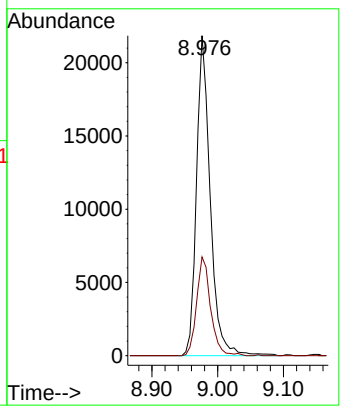




#53
t-1,3-Dichloropropene
Concen: 20.424 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 3172

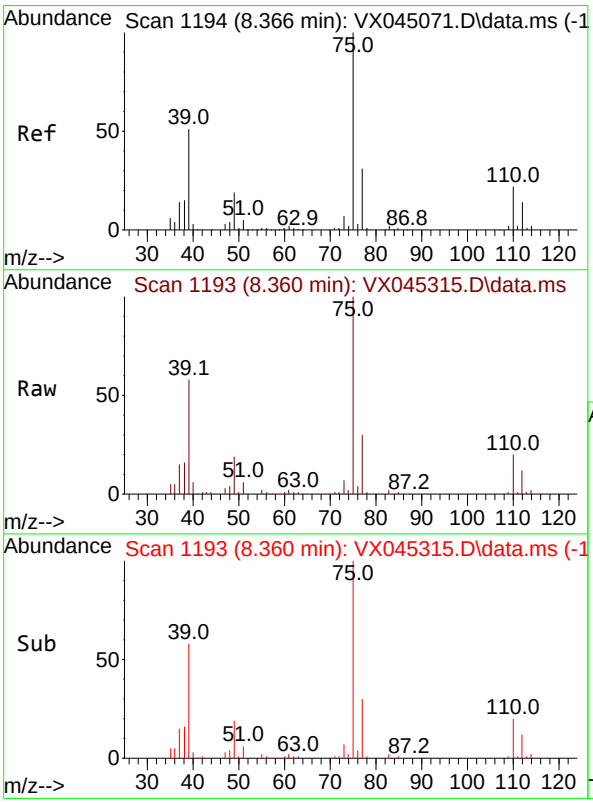
Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
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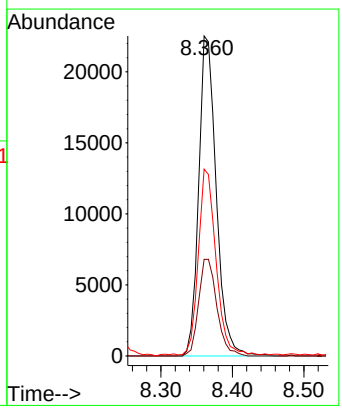
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

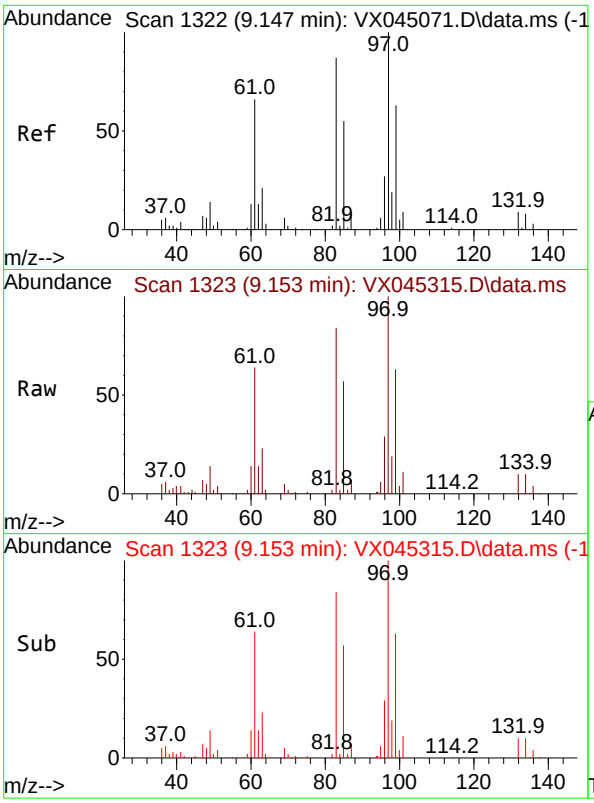


#54
cis-1,3-Dichloropropene
Concen: 21.174 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 38346

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.7	37.1
39	58.0	40.7	61.1

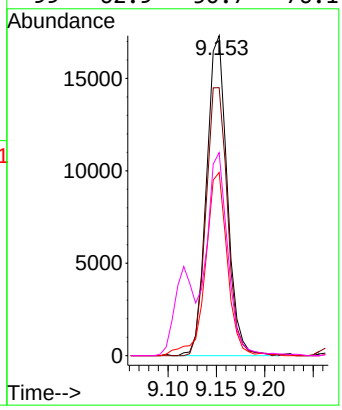




#55
1,1,2-Trichloroethane
Concen: 20.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 97 Resp: 2579

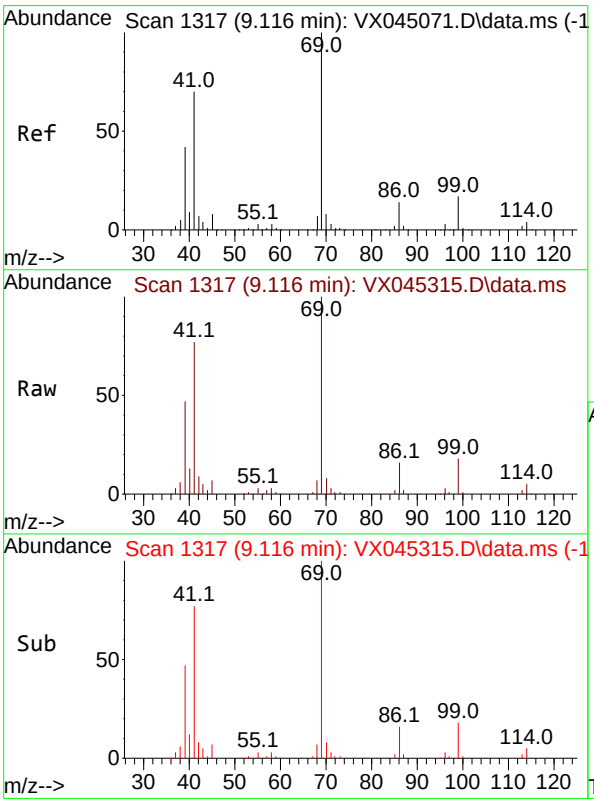
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	56.9	44.1	66.1
99	62.9	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

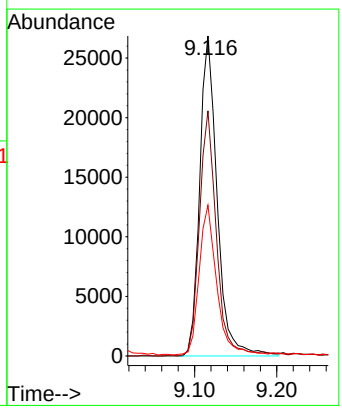
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

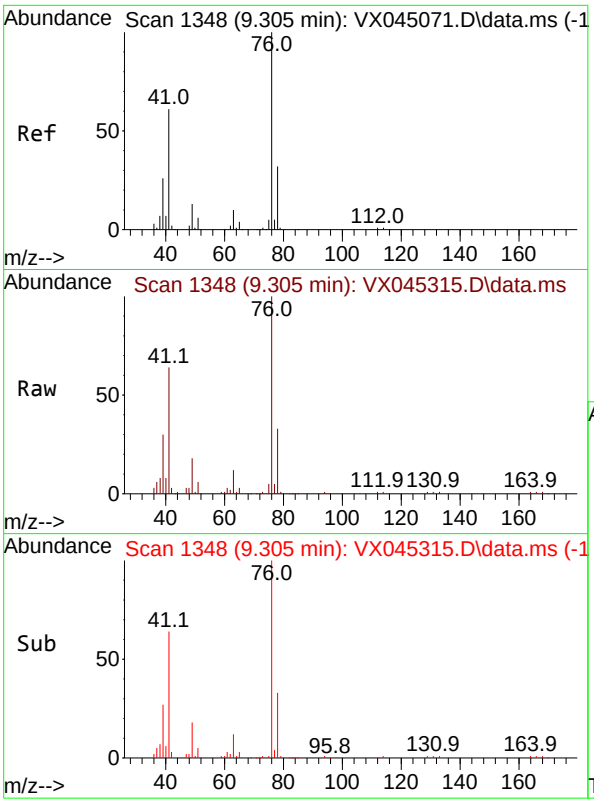


#56
Ethyl methacrylate
Concen: 20.698 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 69 Resp: 39605

Ion	Ratio	Lower	Upper
69	100		
41	75.6	57.0	85.4
39	47.1	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.567 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

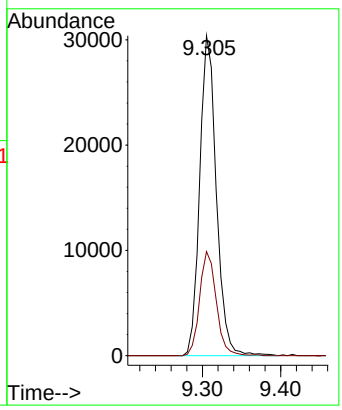
Tgt Ion: 76 Resp: 4480

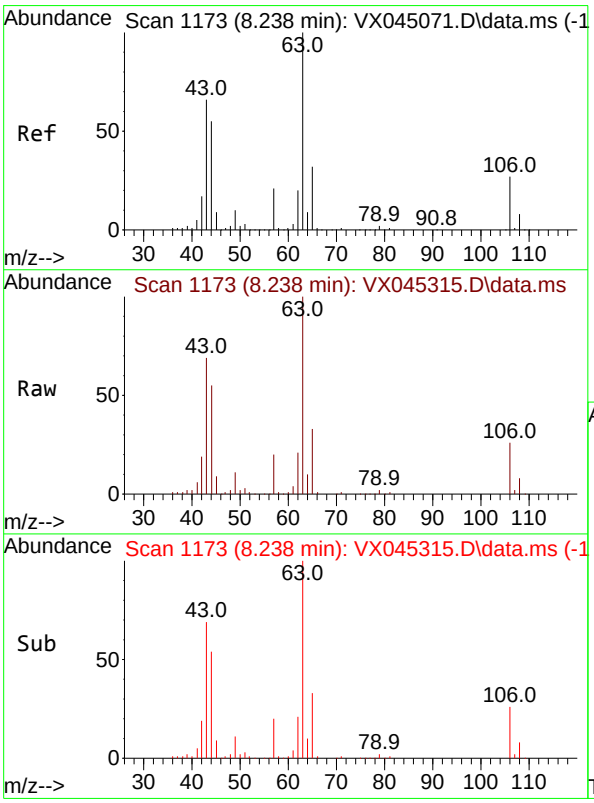
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

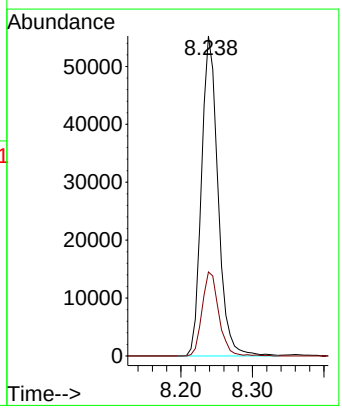


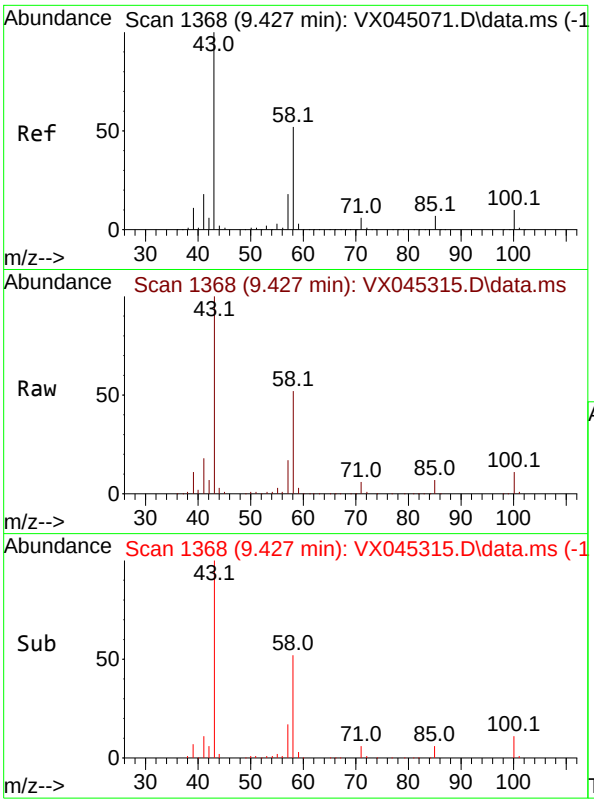


#58
2-Chloroethyl Vinyl ether
Concen: 95.056 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 63 Resp: 88727

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

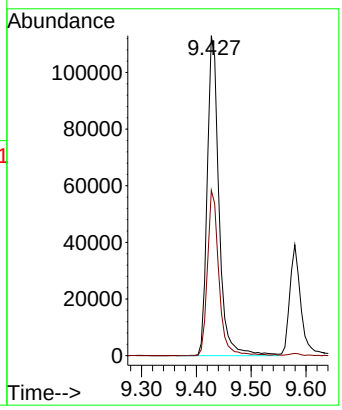




#59
2-Hexanone
Concen: 109.574 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 16763

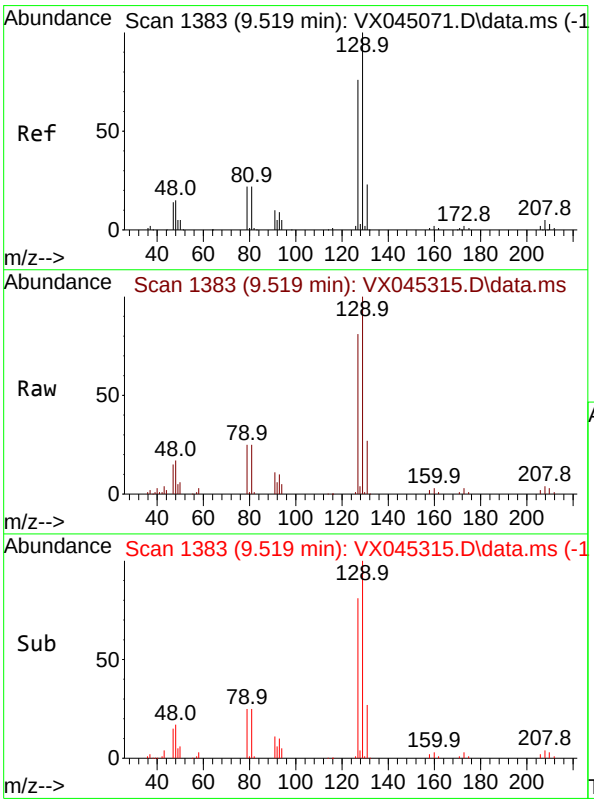
Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

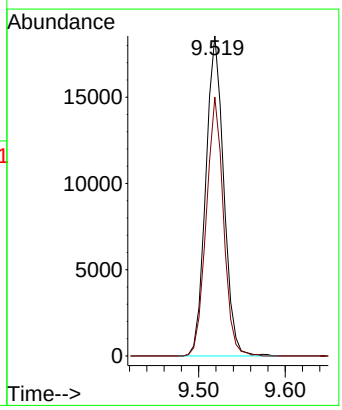
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

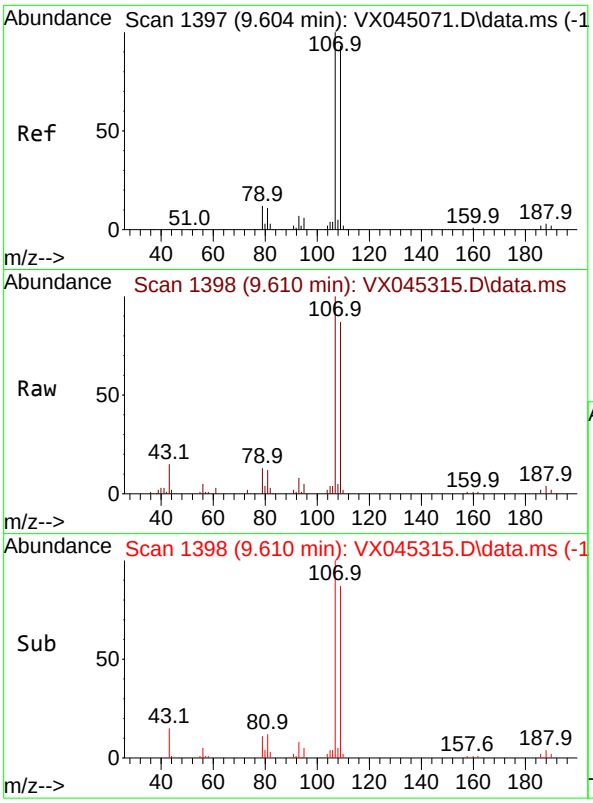


#60
Dibromochloromethane
Concen: 20.275 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:129 Resp: 26686

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

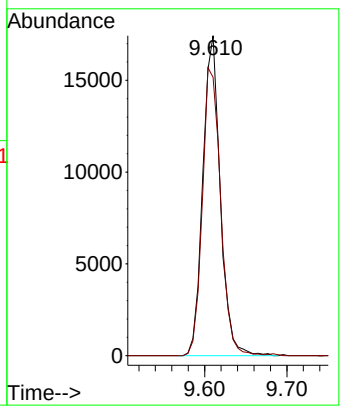




#61
1,2-Dibromoethane
Concen: 20.423 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:107 Resp: 2566

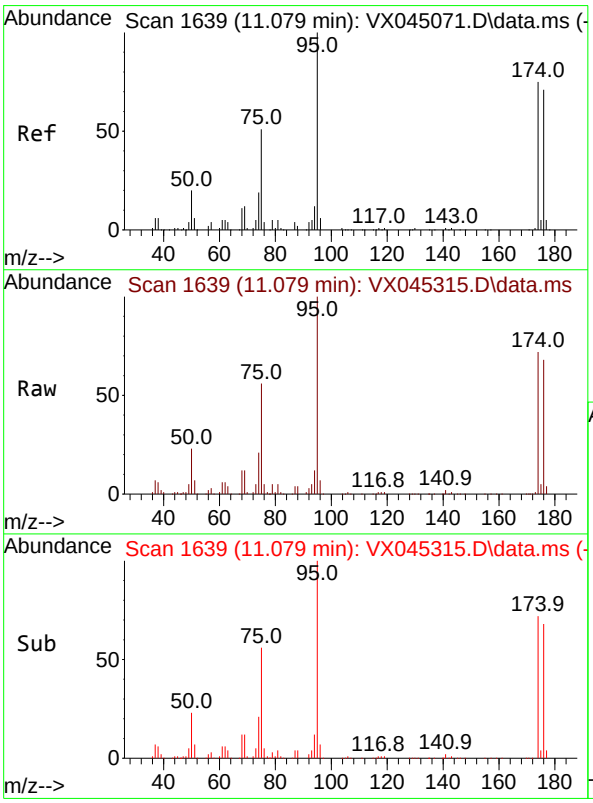
Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
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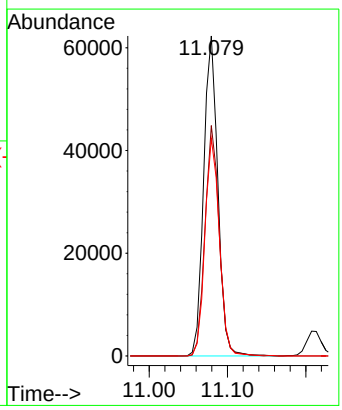
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

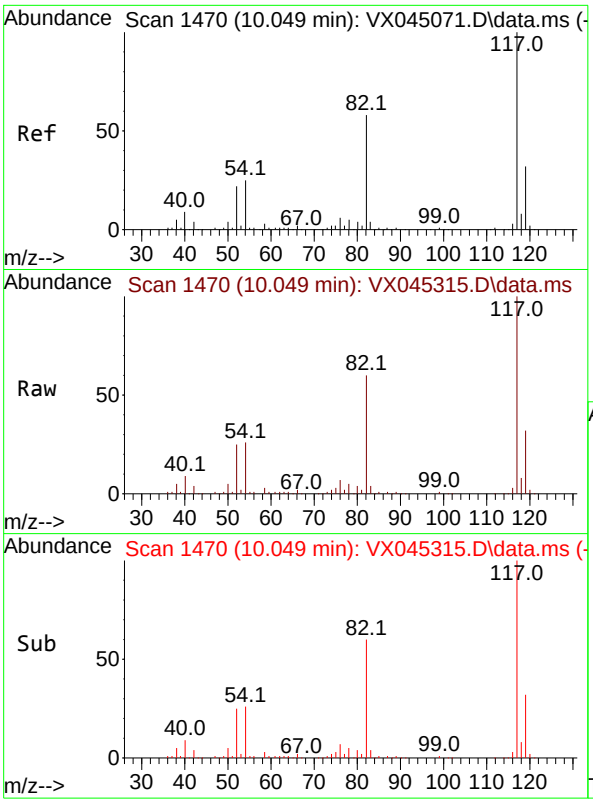


#62
4-Bromofluorobenzene
Concen: 54.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 95 Resp: 78279

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	148.2
176	69.1	0.0	141.4

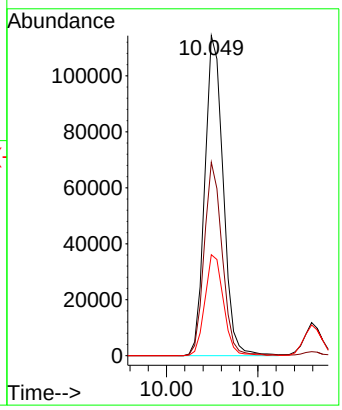




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:117 Resp: 15908

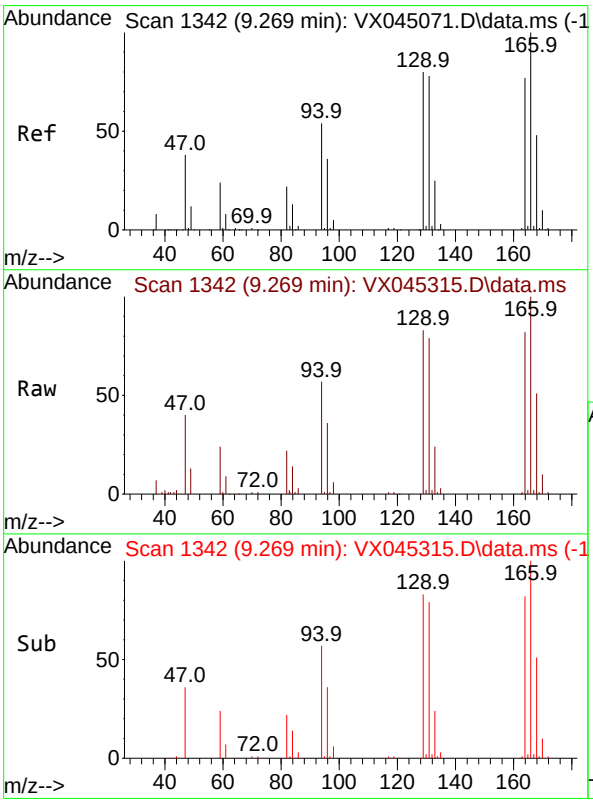
Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	31.5	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

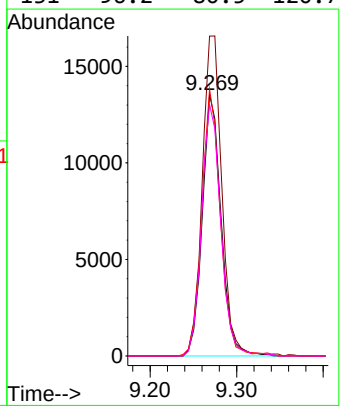
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

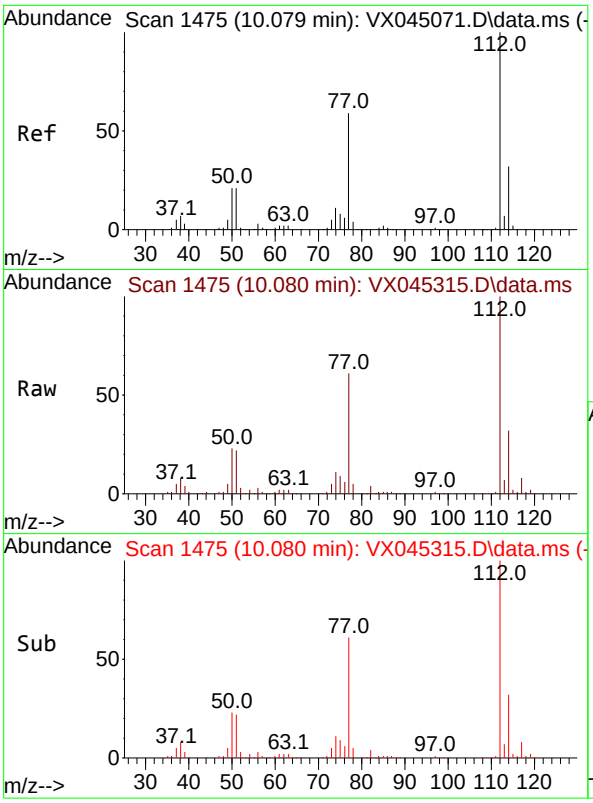


#64
Tetrachloroethene
Concen: 20.025 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:164 Resp: 20403

Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.6	155.4
129	102.2	82.7	124.1
131	96.2	80.5	120.7

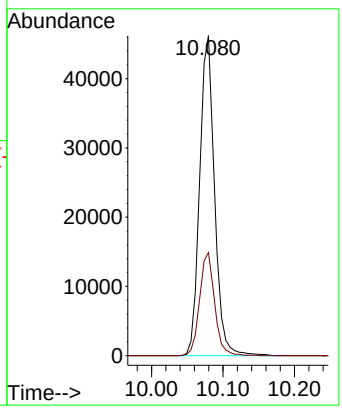




#65
Chlorobenzene
Concen: 19.853 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:112 Resp: 6683

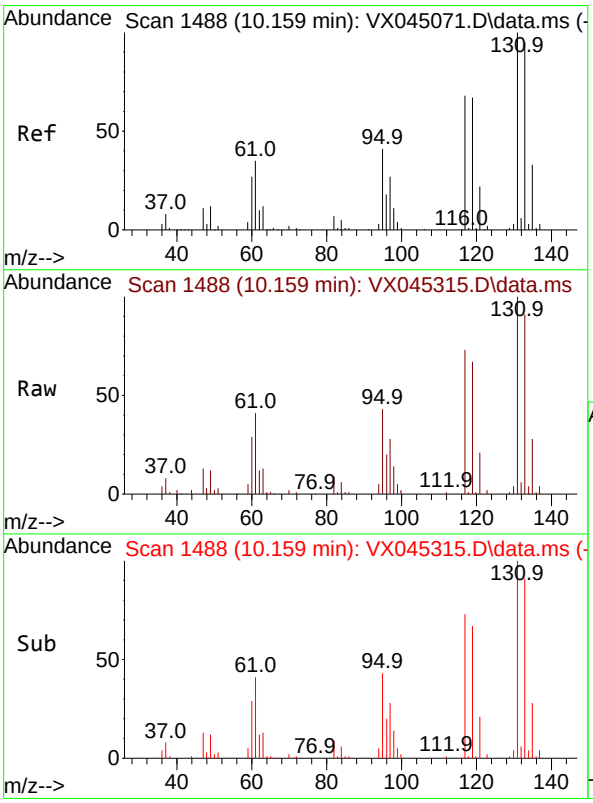
Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

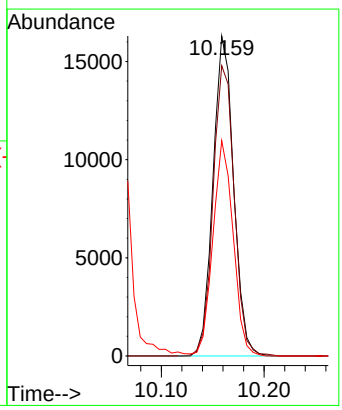
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

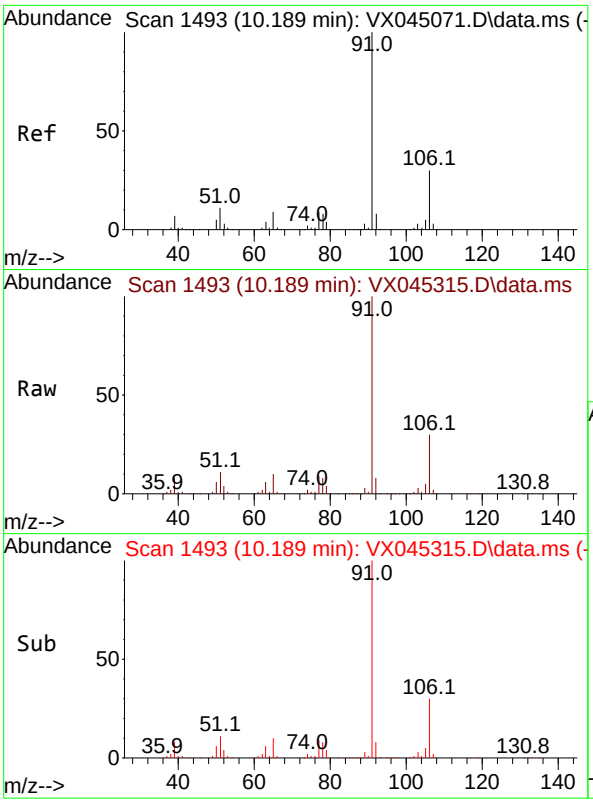


#66
1,1,1,2-Tetrachloroethane
Concen: 20.200 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:131 Resp: 22645

Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.6	145.9
119	66.1	33.9	101.7





#67
Ethyl Benzene
Concen: 20.290 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

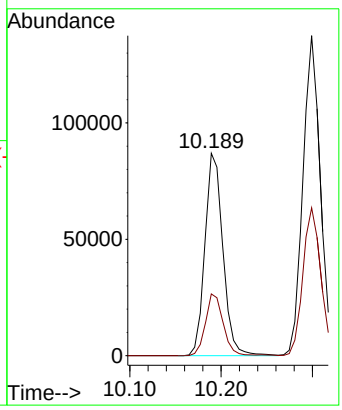
Tgt Ion: 91 Resp: 11900

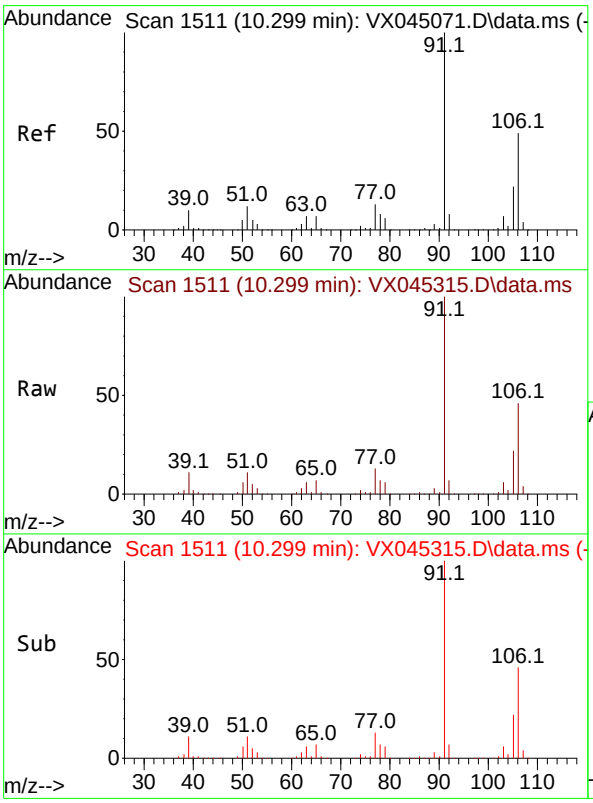
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

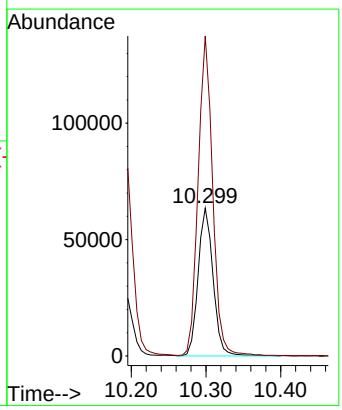


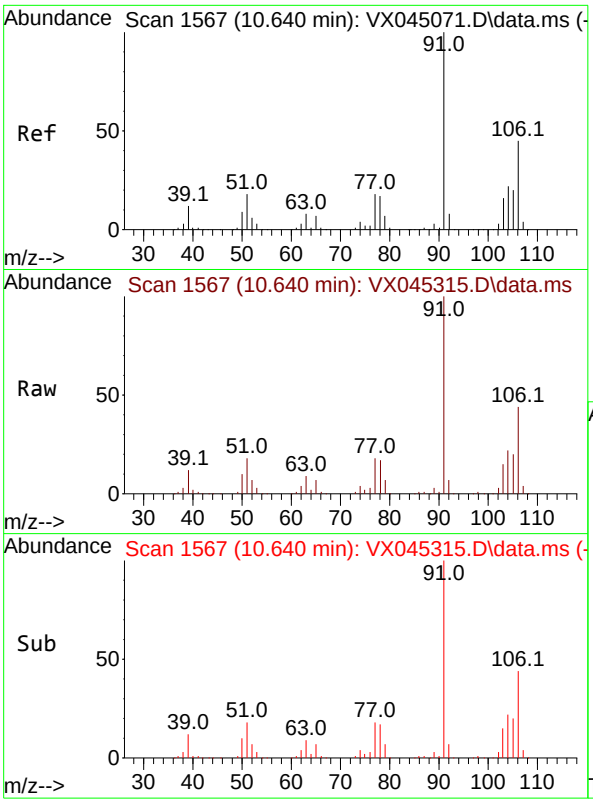


#68
m/p-Xylenes
Concen: 41.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:106 Resp: 88510

Ion	Ratio	Lower	Upper
106	100		
91	210.4	165.4	248.0

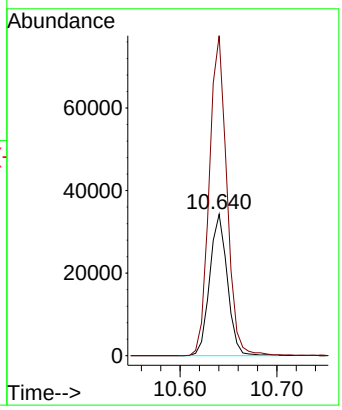




#69
o-Xylene
Concen: 20.101 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:106 Resp: 4352

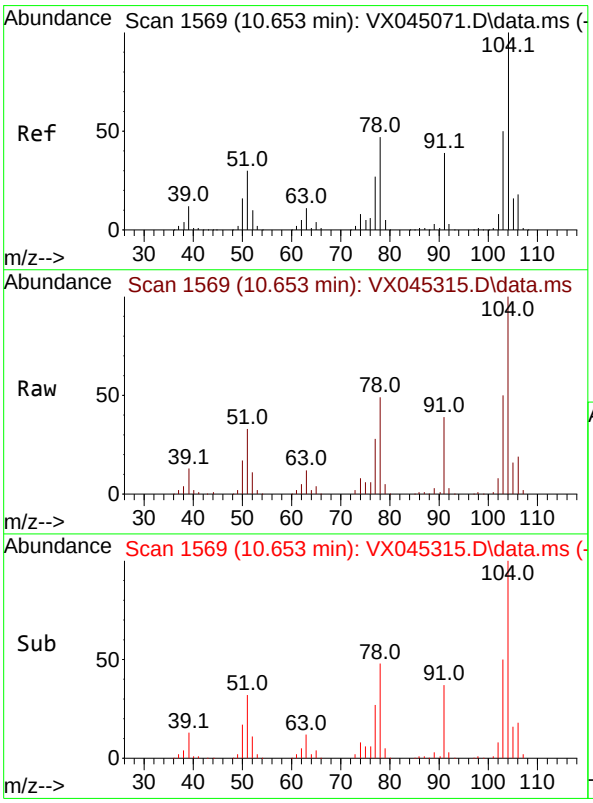
Ion	Ratio	Lower	Upper
106	100		
91	225.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

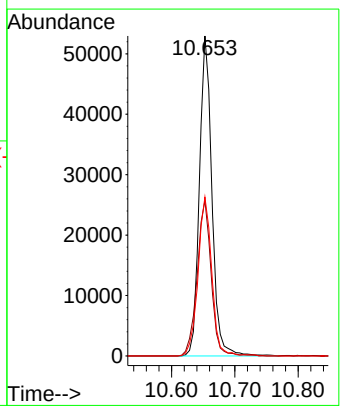
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

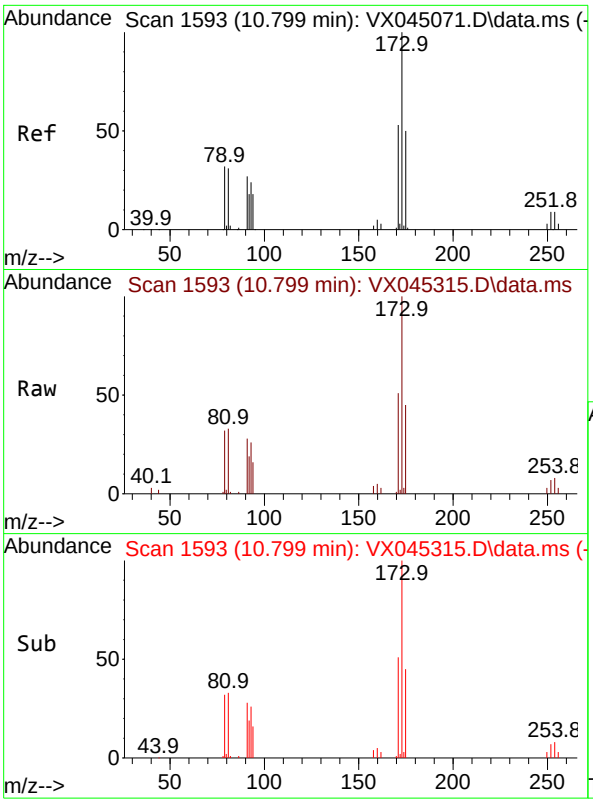


#70
Styrene
Concen: 20.855 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:104 Resp: 73075

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.2	63.4
103	54.3	43.8	65.8

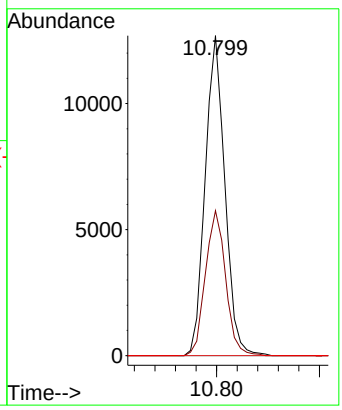




#71
Bromoform
Concen: 19.960 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:173 Resp: 1687

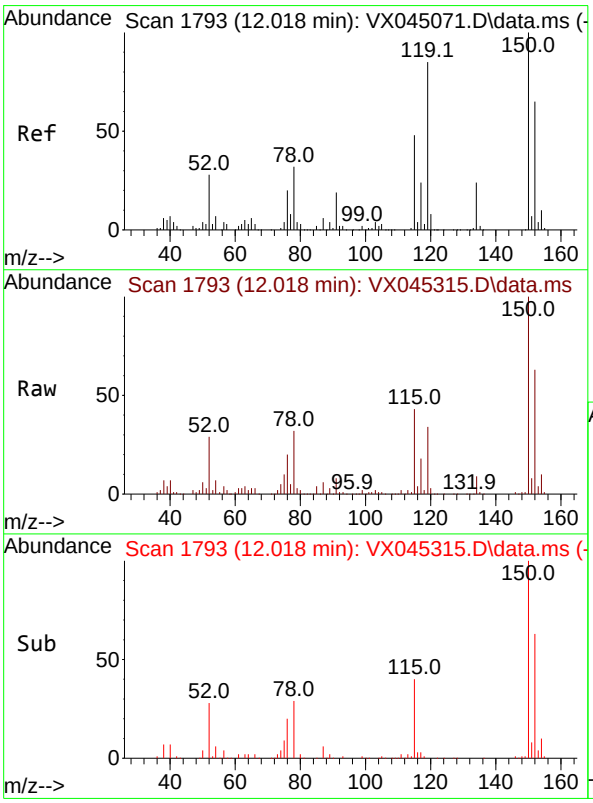
Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

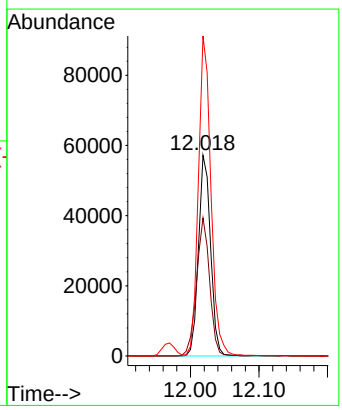
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

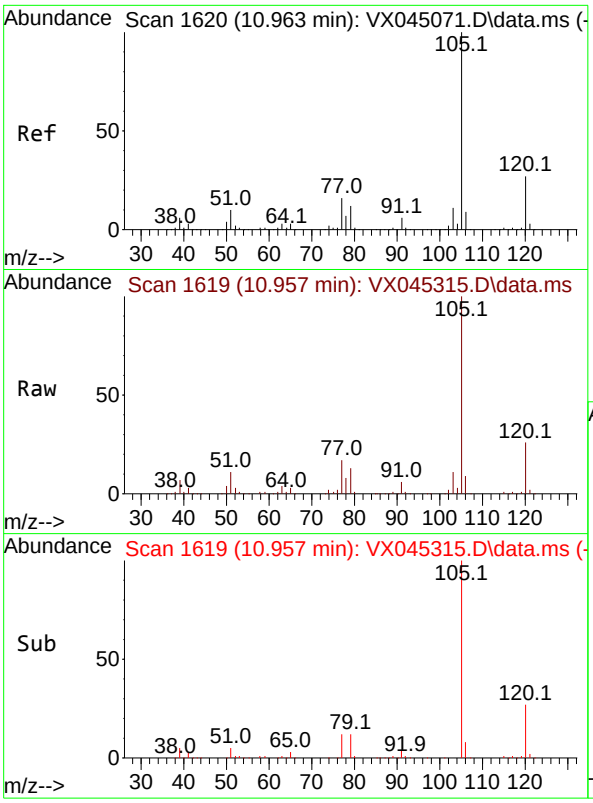


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:152 Resp: 70581

Ion	Ratio	Lower	Upper
152	100		
115	74.1	44.2	132.6
150	164.7	0.0	349.0

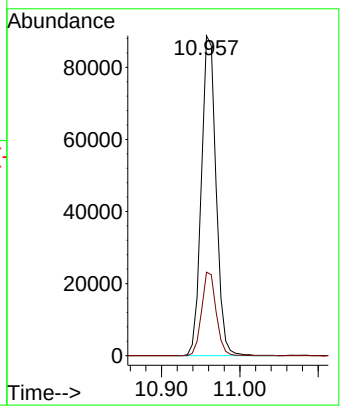




#73
Isopropylbenzene
Concen: 21.006 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:105 Resp: 11572

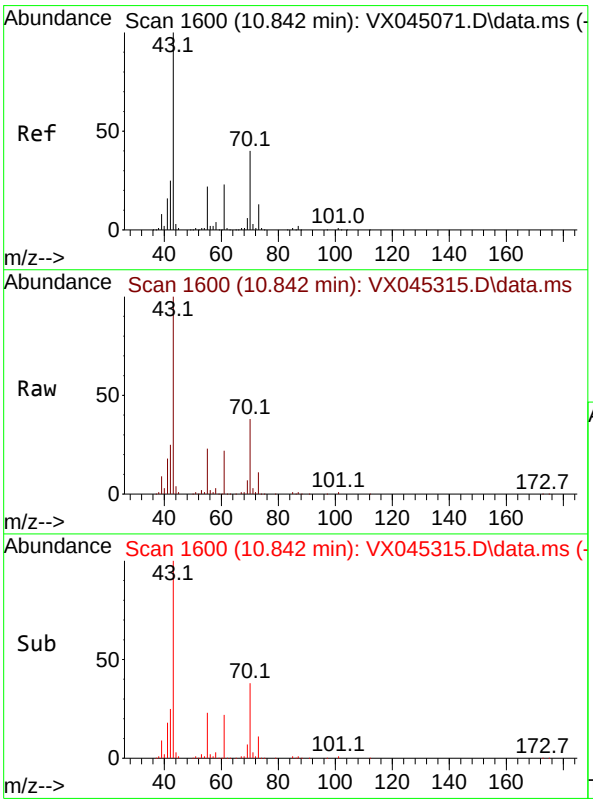
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

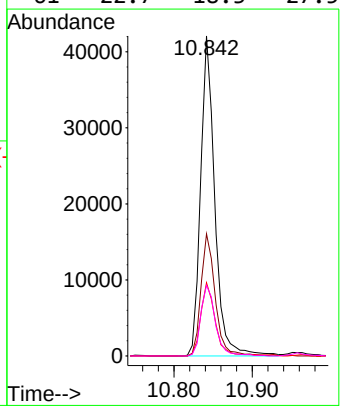
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

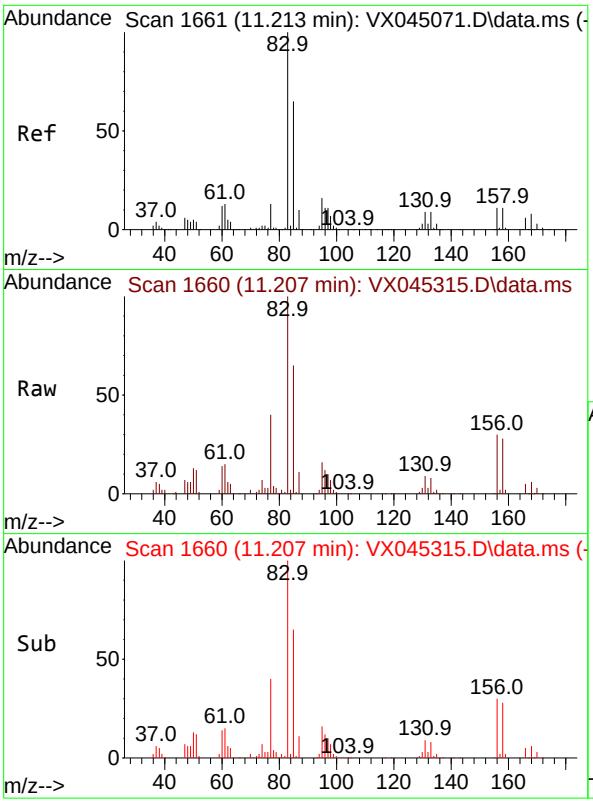


#74
N-amyl acetate
Concen: 20.478 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 52935

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	23.6	18.3	27.5
61	22.7	18.3	27.5

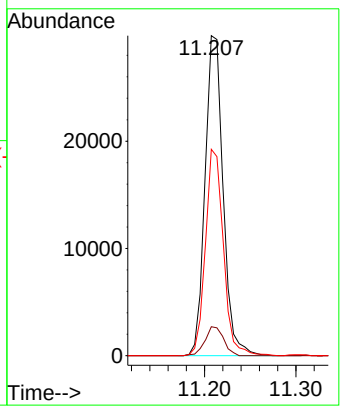




#75
1,1,2,2-Tetrachloroethane
Concen: 20.233 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 83 Resp: 4090

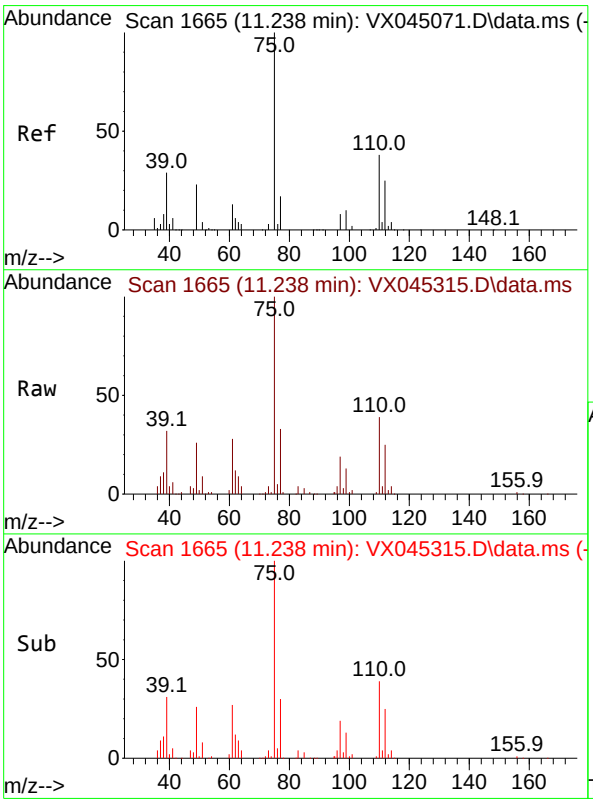
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

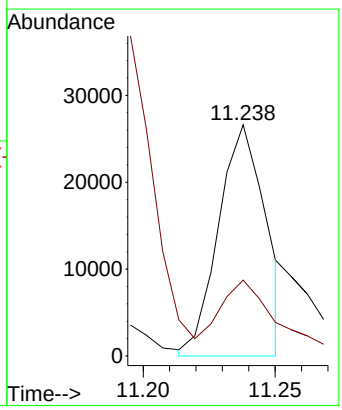
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

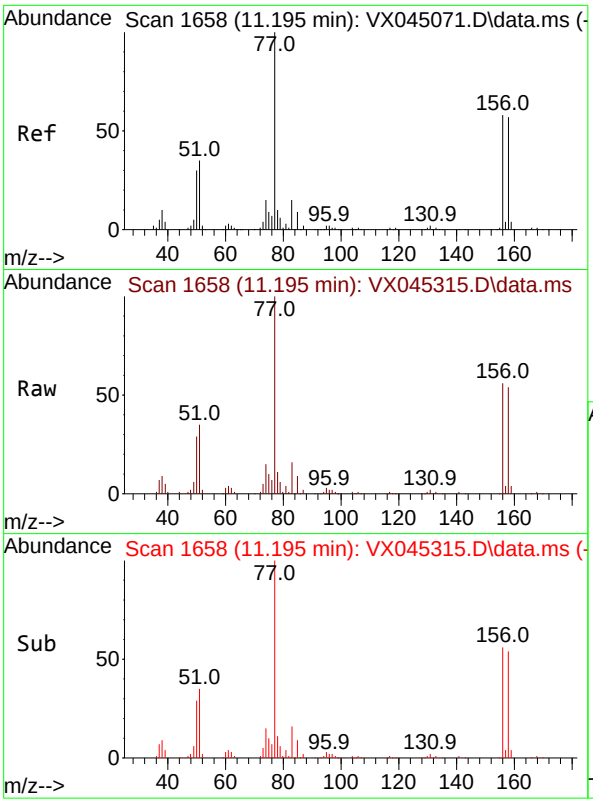


#76
1,2,3-Trichloropropane
Concen: 20.126 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 33063

Ion	Ratio	Lower	Upper
75	100		
77	40.9	20.7	62.1

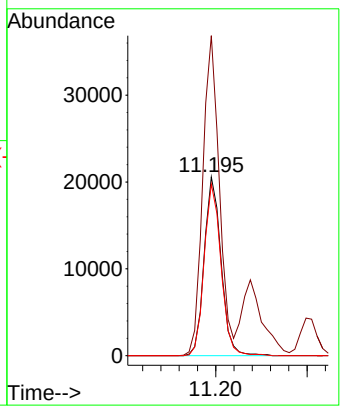




#77
Bromobenzene
Concen: 20.305 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:156 Resp: 2639

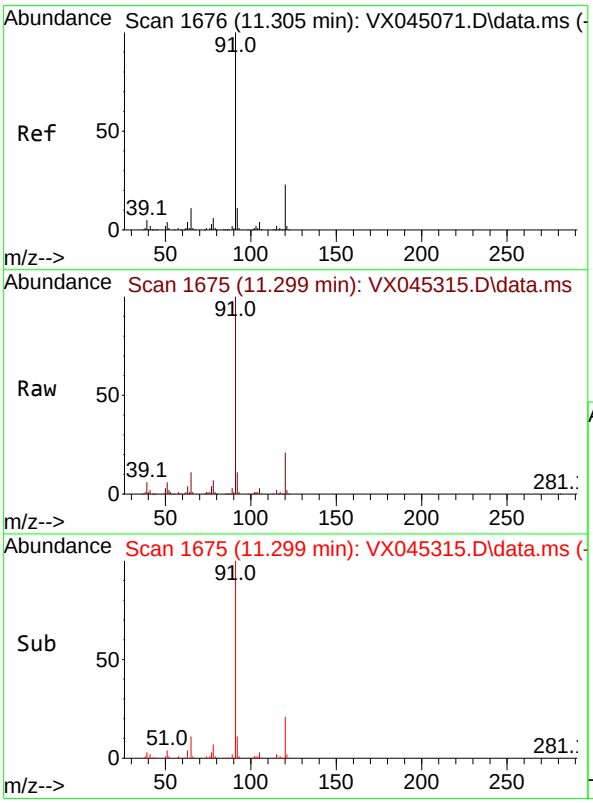
Ion	Ratio	Lower	Upper
156	100		
77	175.9	85.8	257.4
158	96.0	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

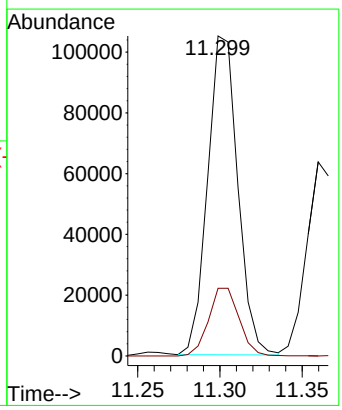
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

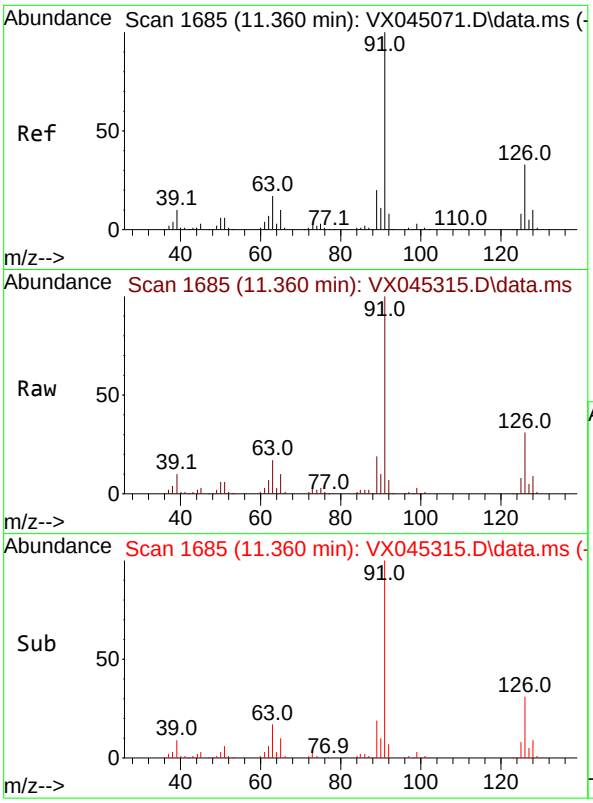


#78
n-propylbenzene
Concen: 21.500 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 133799

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

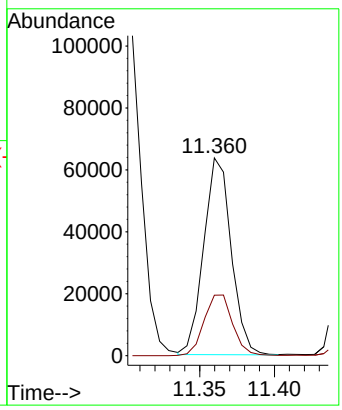




#79
2-Chlorotoluene
Concen: 20.531 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 8137

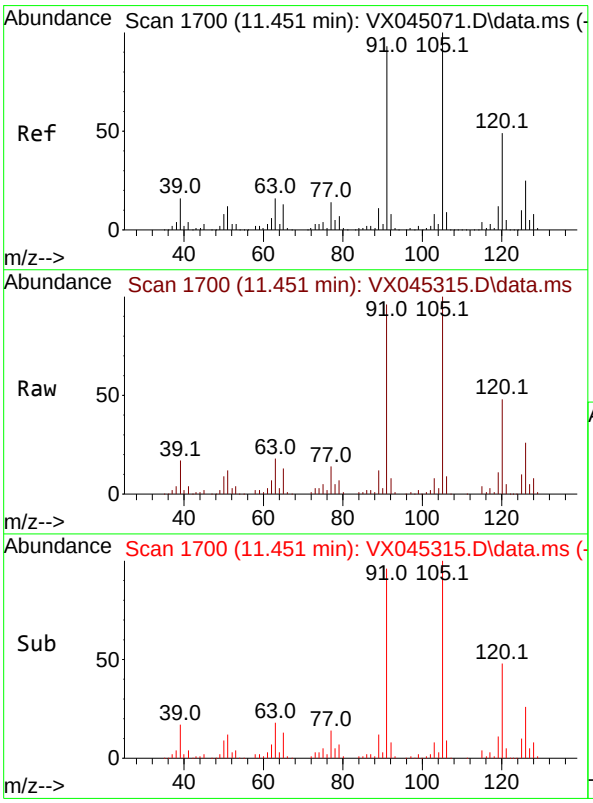
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

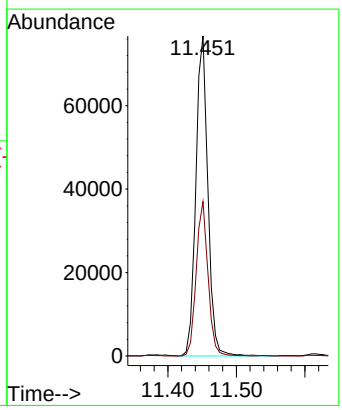
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

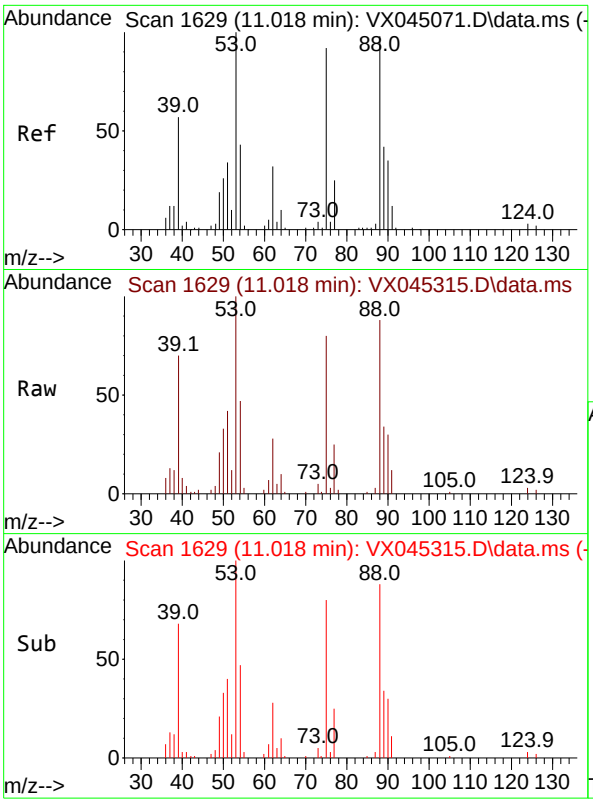


#80
1,3,5-Trimethylbenzene
Concen: 21.036 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:105 Resp: 93706

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.1	72.2

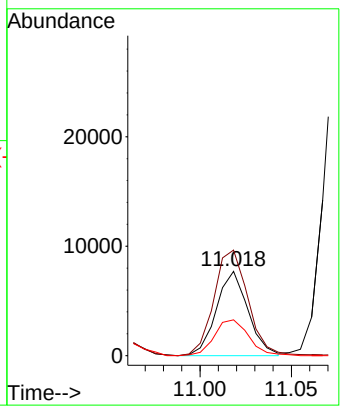




#81
trans-1,4-Dichloro-2-butene
Concen: 19.380 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 930

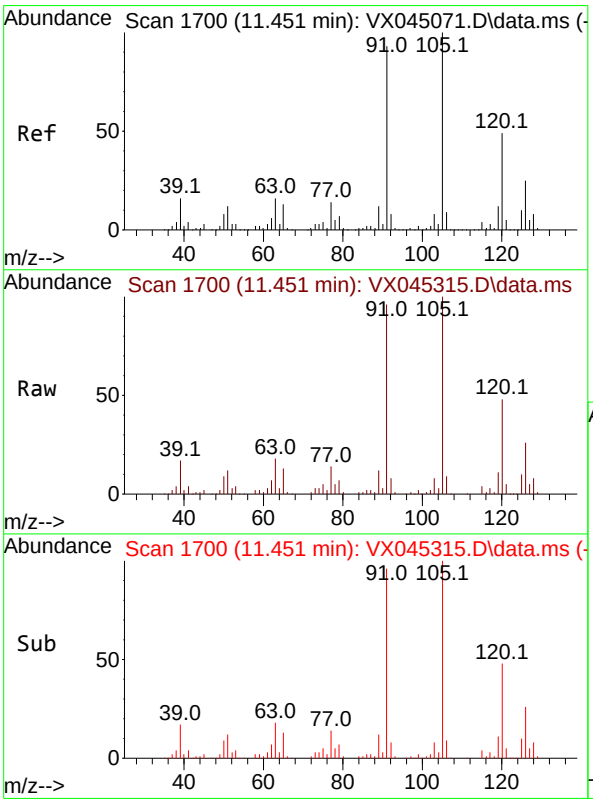
Ion	Ratio	Lower	Upper
75	100		
53	135.4	88.5	132.7
89	46.1	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

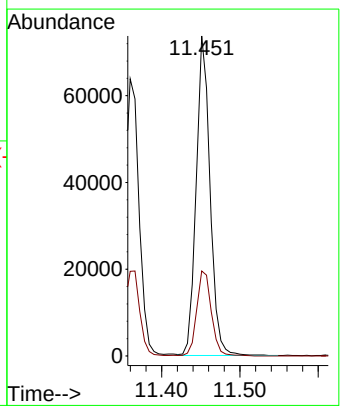
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

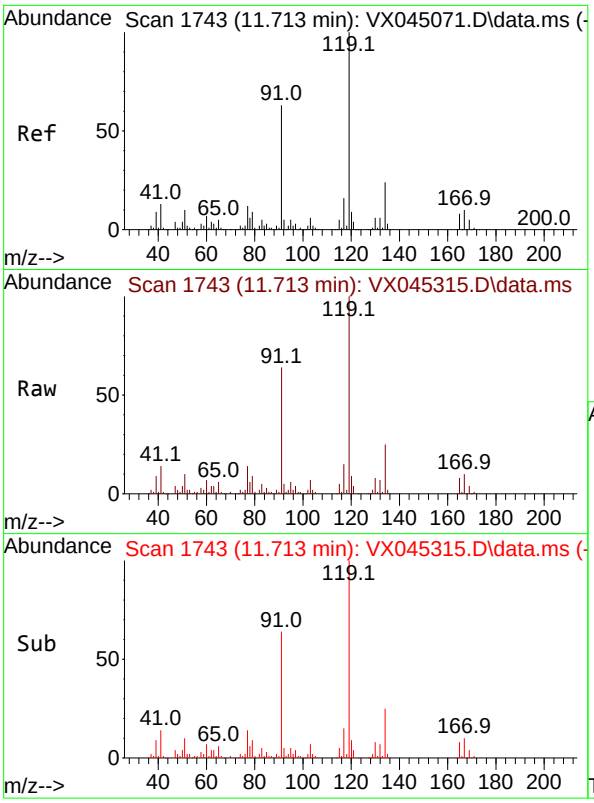


#82
4-Chlorotoluene
Concen: 21.000 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 90708

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

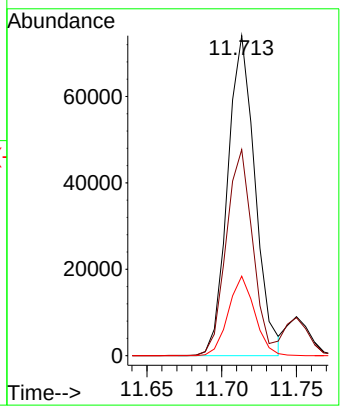




#83
tert-Butylbenzene
Concen: 20.597 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:119 Resp: 9427

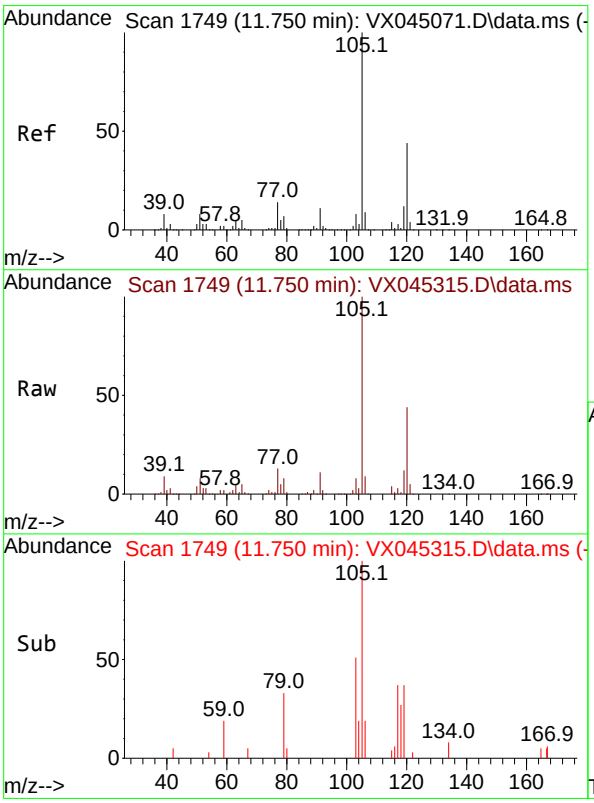
Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.7	92.1
134	23.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

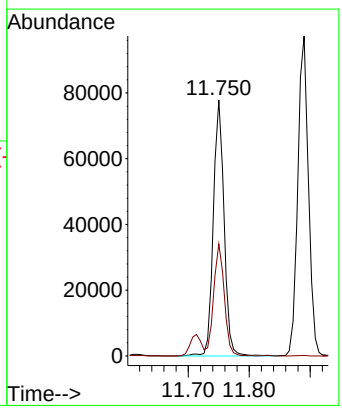
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

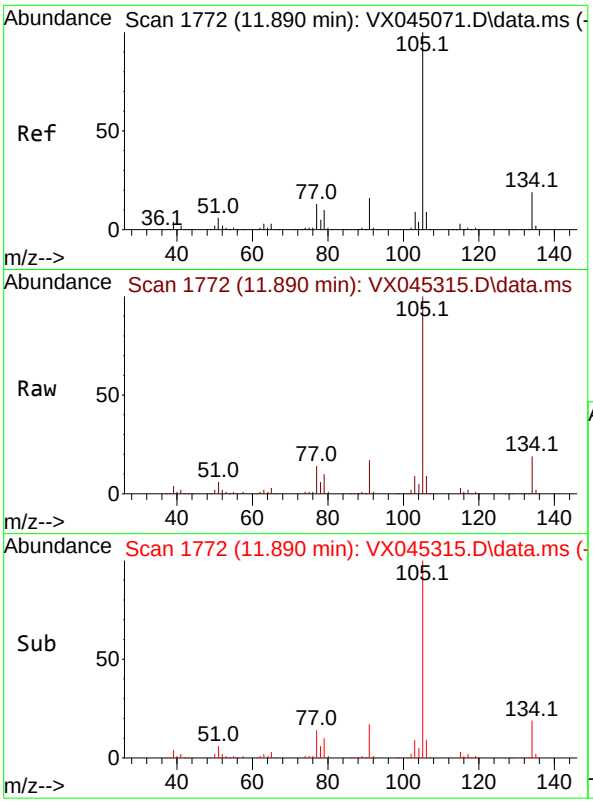


#84
1,2,4-Trimethylbenzene
Concen: 21.253 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:105 Resp: 95258

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 21.540 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

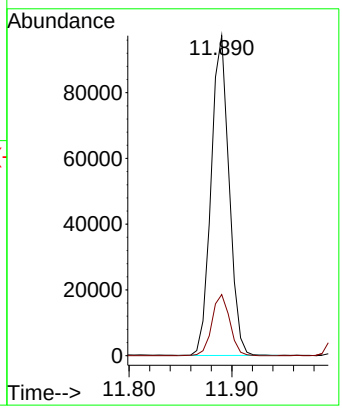
Tgt Ion:105 Resp: 11809

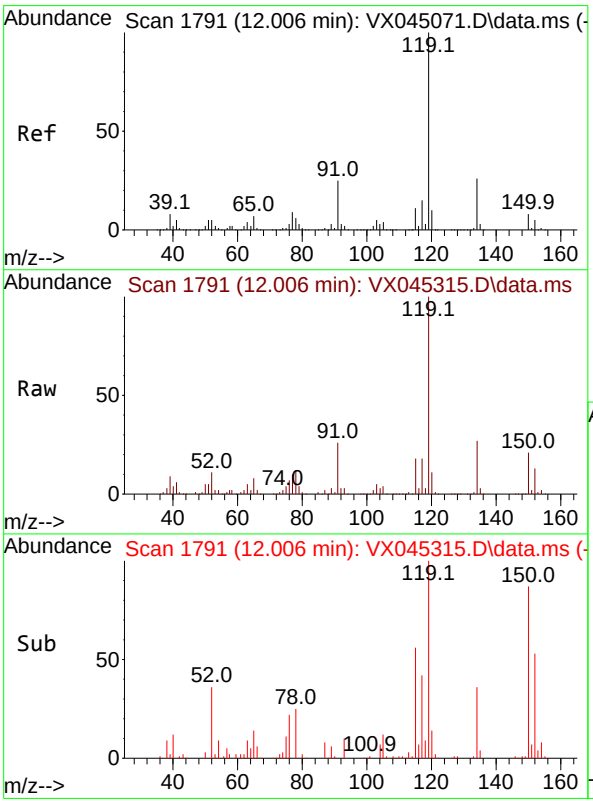
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

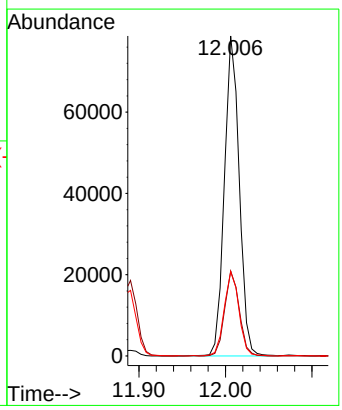


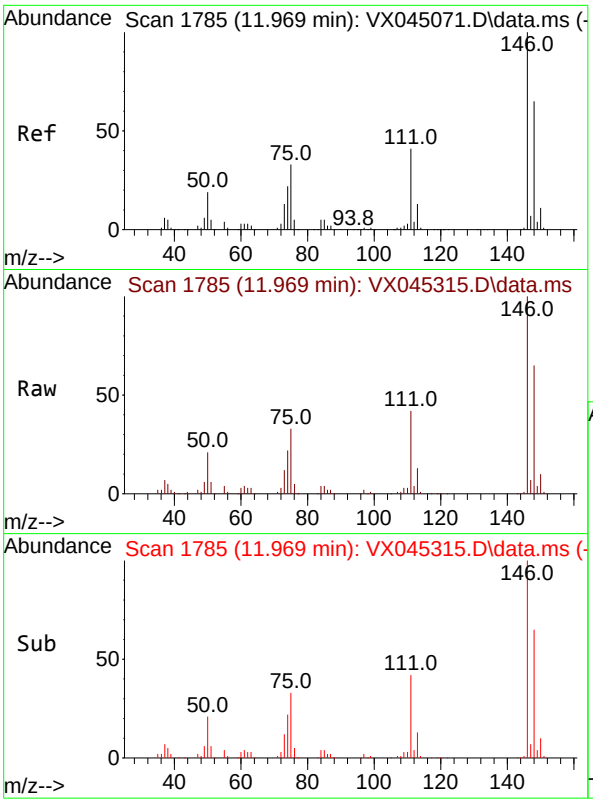


#86
p-Isopropyltoluene
Concen: 21.165 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:119 Resp: 93774

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.3	12.7	38.0

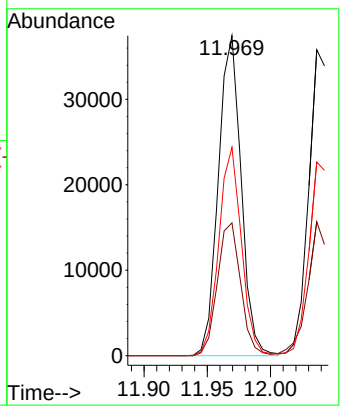




#87
1,3-Dichlorobenzene
Concen: 20.238 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:146 Resp: 4692

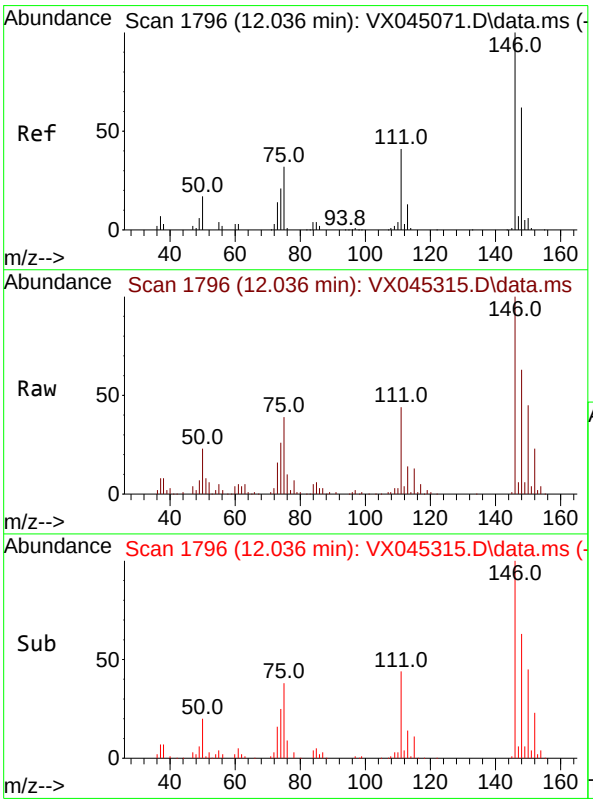
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	64.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

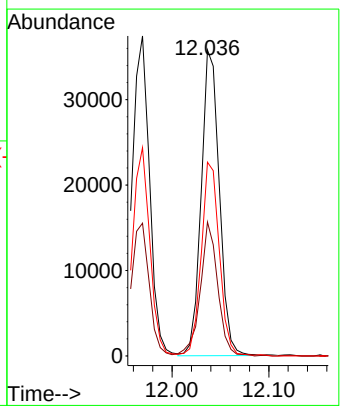
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

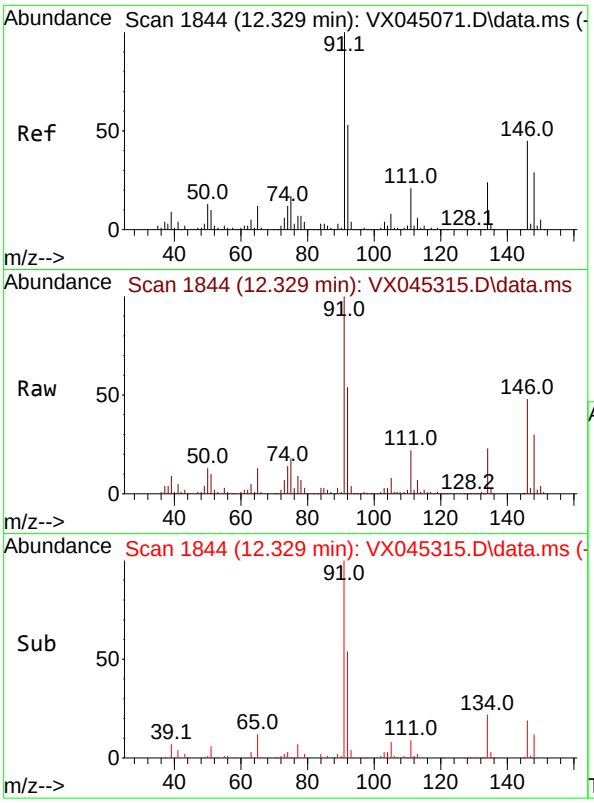


#88
1,4-Dichlorobenzene
Concen: 19.915 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:146 Resp: 46719

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	63.6	31.9	95.9

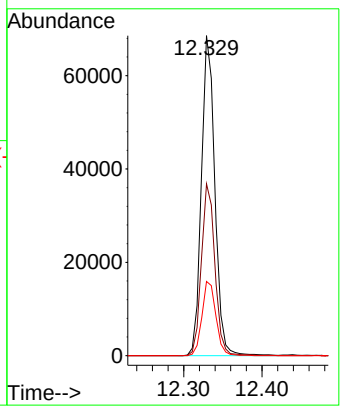




#89
n-Butylbenzene
Concen: 21.434 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 8179

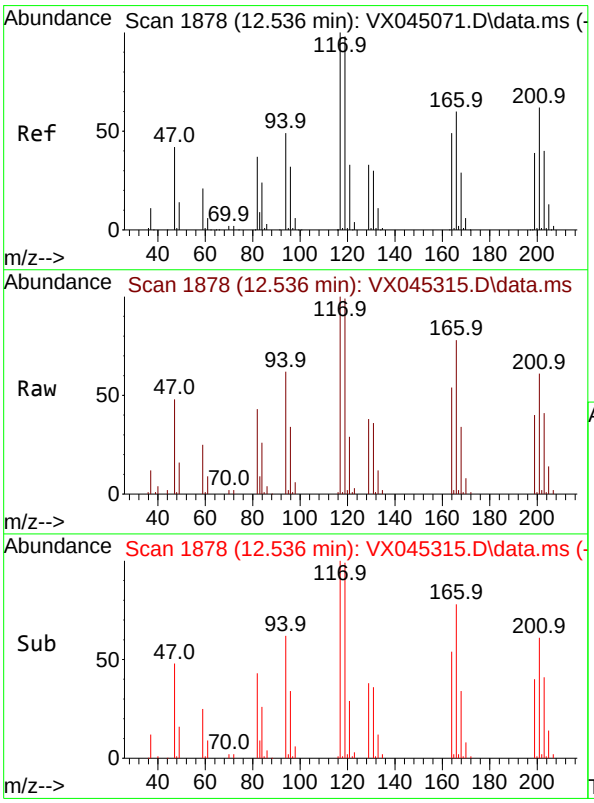
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.0
134	24.1	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

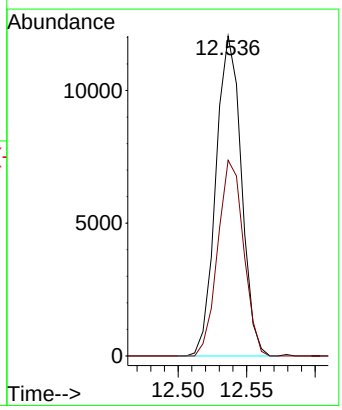
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

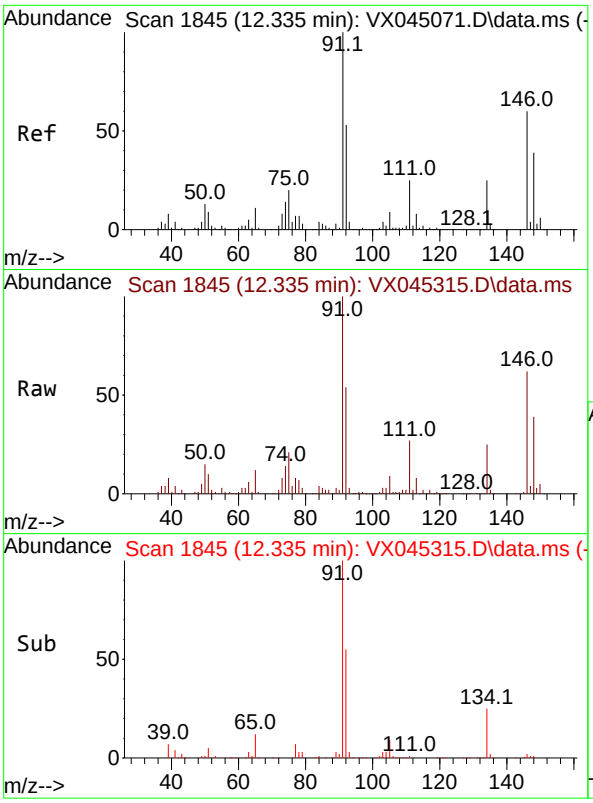


#90
Hexachloroethane
Concen: 19.417 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:117 Resp: 15561

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.9	95.9

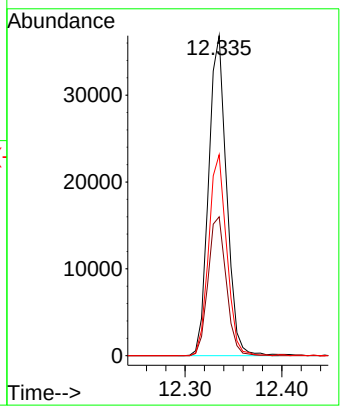




#91
1,2-Dichlorobenzene
Concen: 20.453 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:146 Resp: 4757

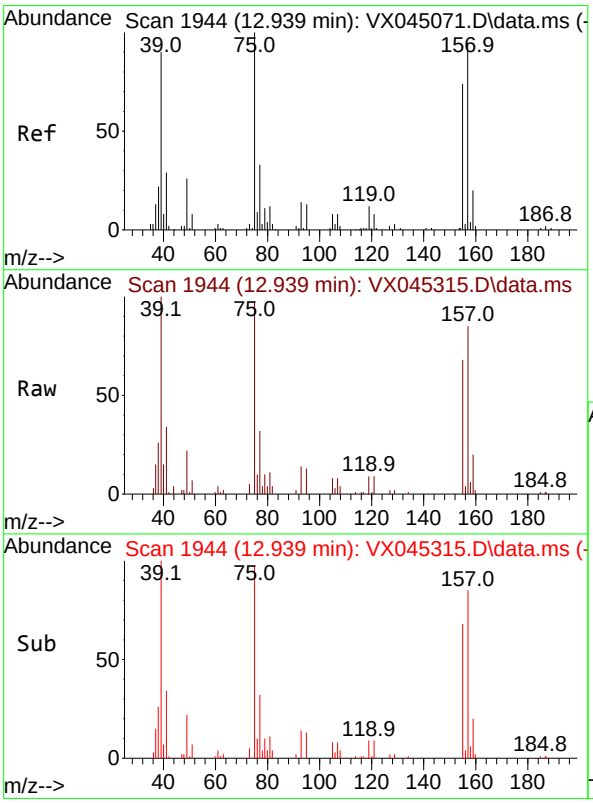
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	62.8	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

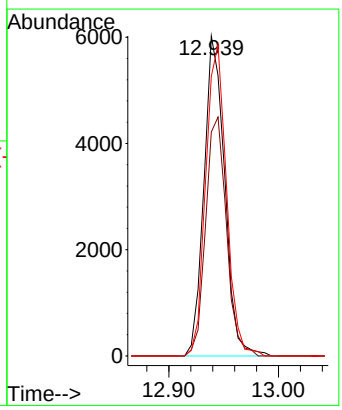
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

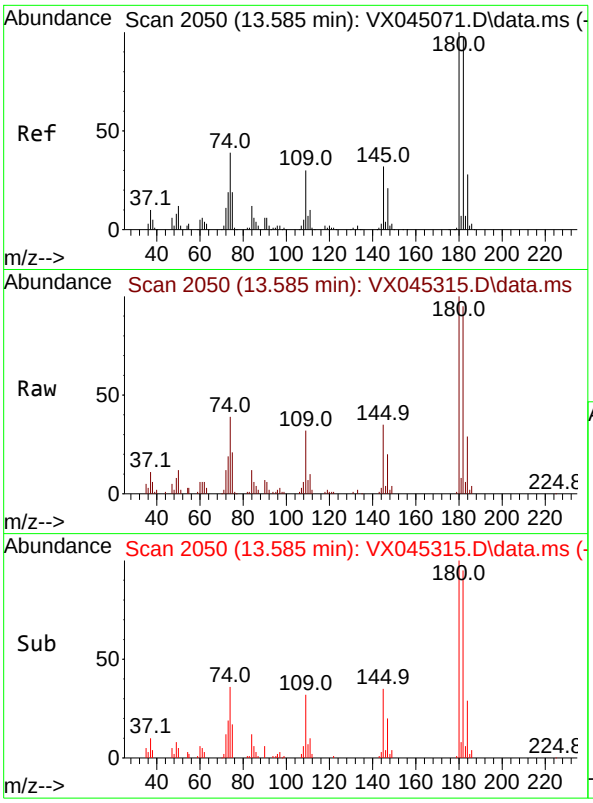


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.053 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 7898

Ion	Ratio	Lower	Upper
75	100		
155	74.9	39.6	118.7
157	97.4	51.1	153.4

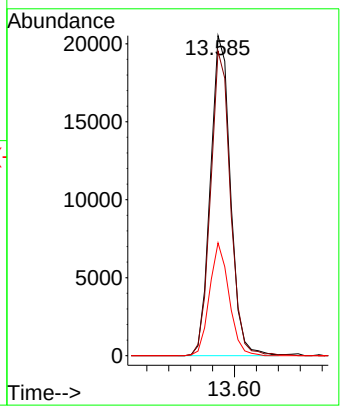




#93
1,2,4-Trichlorobenzene
Concen: 19.660 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:180 Resp: 2603

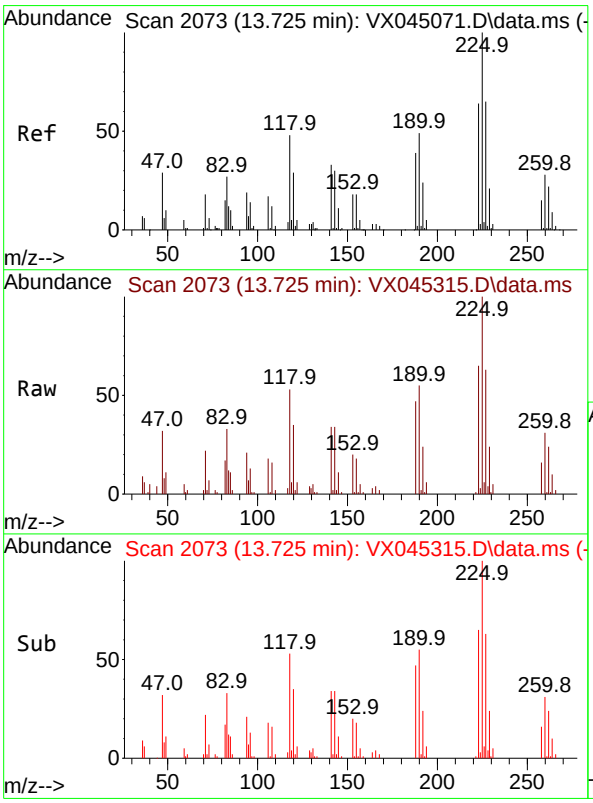
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	34.4	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations APPROVED

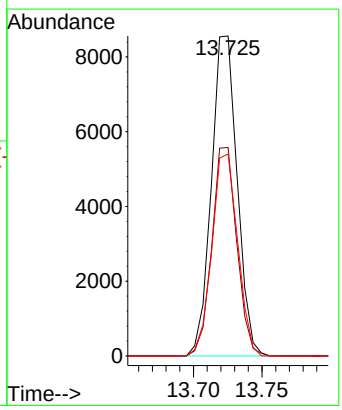
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

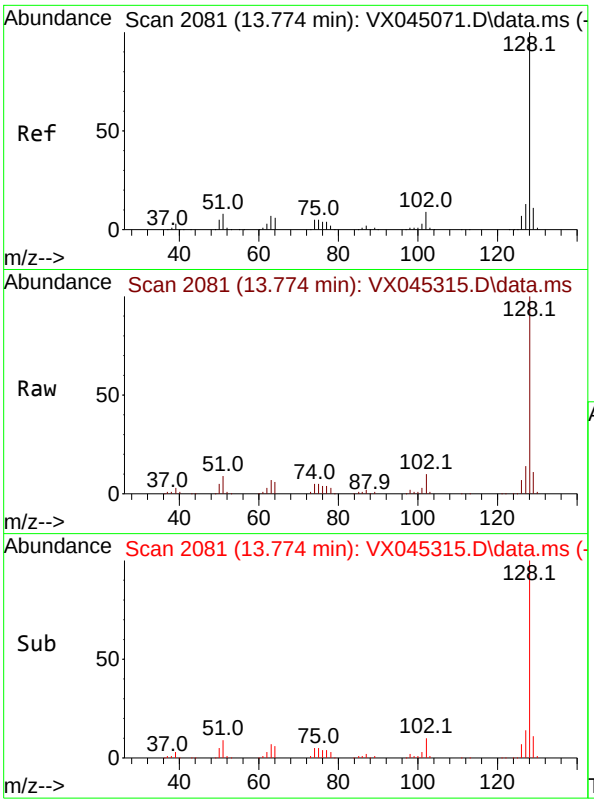


#94
Hexachlorobutadiene
Concen: 20.613 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:225 Resp: 11193

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	63.0	31.4	94.0

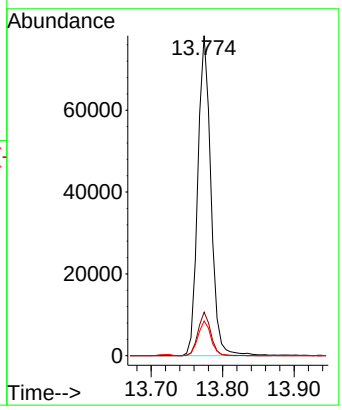




#95
Naphthalene
Concen: 19.547 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:128 Resp: 9946

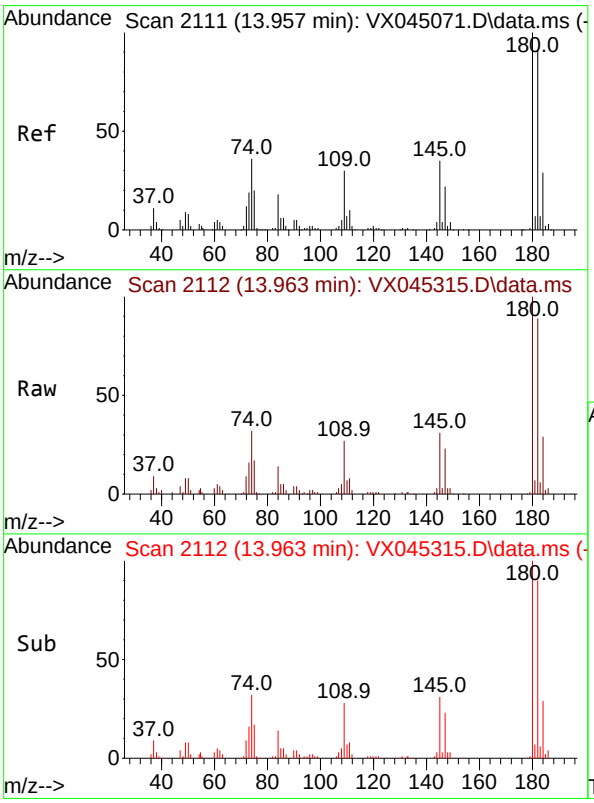
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Manual Integrations
APPROVED

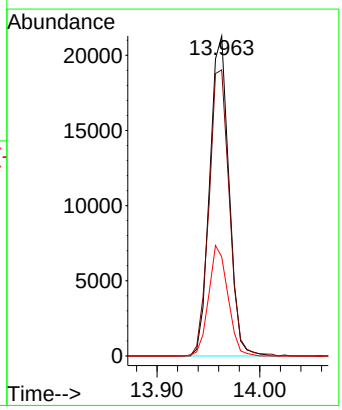
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.719 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:180 Resp: 27553

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	34.5	17.0	50.9



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBS01	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
VX045350.D	1		03/20/25 10:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		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	15.2		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
79-20-9	Methyl Acetate	26.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		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	20.9		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBS01	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
VX045350.D	1		03/20/25 10:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	42.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.3		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94300	5.55				
540-36-3	1,4-Difluorobenzene	168000	6.757				
3114-55-4	Chlorobenzene-d5	149000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	65200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBS01	SDG No.:	Q1559
Lab Sample ID:	VX0320WBS01	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
VX045350.D	1		03/20/25 10:53	VX032025

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\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	94337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84826	56.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	5.379	113	61688	54.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	8.647	98	217551	53.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	11.079	95	75333	55.661	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21766	18.330	ug/l	96
3) Chloromethane	1.307	50	24700	16.997	ug/l	99
4) Vinyl Chloride	1.374	62	23778	16.494	ug/l	99
5) Bromomethane	1.593	94	10806	19.068	ug/l	97
6) Chloroethane	1.666	64	13543	20.367	ug/l	96
7) Trichlorofluoromethane	1.874	101	36454	19.102	ug/l	98
8) Diethyl Ether	2.130	74	12684	16.992	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23673	21.591	ug/l	98
10) Methyl Iodide	2.441	142	26414	19.277	ug/l	96
11) Tert butyl alcohol	2.983	59	23416	82.384	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21823	18.826	ug/l	94
13) Acrolein	2.233	56	17293	52.632	ug/l	97
14) Allyl chloride	2.654	41	41884	20.298	ug/l	96
15) Acrylonitrile	3.062	53	80049	105.082	ug/l	99
16) Acetone	2.386	43	71160	102.209	ug/l	98
17) Carbon Disulfide	2.502	76	46834	15.169	ug/l	98
18) Methyl Acetate	2.703	43	44122	26.343	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	79261	20.380	ug/l	96
20) Methylene Chloride	2.782	84	26965	19.552	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21732	18.976	ug/l	95
22) Diisopropyl ether	3.763	45	84886	20.228	ug/l	91
23) Vinyl Acetate	3.721	43	349536	99.810	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46978	19.975	ug/l	99
25) 2-Butanone	4.562	43	113246	108.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31743	28.775	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28042	19.836	ug/l	92
28) Bromochloromethane	4.891	49	20825	18.577	ug/l	100
29) Tetrahydrofuran	5.013	42	70666	100.410	ug/l	99
30) Chloroform	5.086	83	49636	21.241	ug/l	94
31) Cyclohexane	5.458	56	38216	18.719	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39741	21.056	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29925	19.369	ug/l	98
37) Ethyl Acetate	4.721	43	41357	20.774	ug/l	100
38) Carbon Tetrachloride	5.672	117	33150	21.134	ug/l	92
39) Methylcyclohexane	7.379	83	36558	19.747	ug/l	98
40) Benzene	6.031	78	98693	20.229	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23443	21.777	ug/l		98
42) 1,2-Dichloroethane	6.080	62	38946	22.168	ug/l		98
43) Isopropyl Acetate	6.342	43	62089	21.091	ug/l		98
44) Trichloroethene	7.129	130	22383	19.539	ug/l		98
45) 1,2-Dichloropropane	7.427	63	25785	20.556	ug/l		96
46) Dibromomethane	7.580	93	19014	21.446	ug/l		96
47) Bromodichloromethane	7.818	83	36869	21.200	ug/l		99
48) Methyl methacrylate	7.690	41	31795	21.528	ug/l		96
49) 1,4-Dioxane	7.665	88	11649	373.915	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	222348	112.487	ug/l		99
52) Toluene	8.714	92	59792	20.888	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30322	20.856	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	36016	21.244	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	25471	21.615	ug/l		99
56) Ethyl methacrylate	9.116	69	38614	21.557	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42984	21.077	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	84877	97.136	ug/l		99
59) 2-Hexanone	9.427	43	161205	112.560	ug/l		98
60) Dibromochloromethane	9.519	129	26339	21.377	ug/l		98
61) 1,2-Dibromoethane	9.610	107	25179	21.403	ug/l		97
64) Tetrachloroethene	9.269	164	19550	20.418	ug/l		99
65) Chlorobenzene	10.079	112	64649	20.437	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21858	20.749	ug/l		97
67) Ethyl Benzene	10.189	91	112693	20.445	ug/l		99
68) m/p-Xylenes	10.299	106	85116	42.183	ug/l		99
69) o-Xylene	10.640	106	42125	20.699	ug/l		98
70) Styrene	10.652	104	68782	20.888	ug/l		97
71) Bromoform	10.799	173	16337	20.565	ug/l	#	99
73) Isopropylbenzene	10.963	105	110486	21.707	ug/l		99
74) N-amyl acetate	10.841	43	50145	20.996	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	39901	21.363	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32167m	21.194	ug/l		
77) Bromobenzene	11.195	156	24928	20.758	ug/l		96
78) n-propylbenzene	11.299	91	126518	22.004	ug/l		98
79) 2-Chlorotoluene	11.360	91	78311	21.386	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	91263	22.175	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	9225	20.800	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	86685	21.721	ug/l		100
83) tert-Butylbenzene	11.713	119	91062	21.535	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	89517	21.617	ug/l		100
85) sec-Butylbenzene	11.890	105	113963	22.499	ug/l		99
86) p-Isopropyltoluene	12.006	119	90559	22.123	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	44674	20.853	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44289	20.434	ug/l		98
89) n-Butylbenzene	12.329	91	76819	21.789	ug/l		99
90) Hexachloroethane	12.536	117	15824	21.372	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	45440	21.144	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7923	21.774	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	24507	20.027	ug/l		99
94) Hexachlorobutadiene	13.725	225	10883	21.692	ug/l		98
95) Naphthalene	13.774	128	94184	20.032	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25568	19.806	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

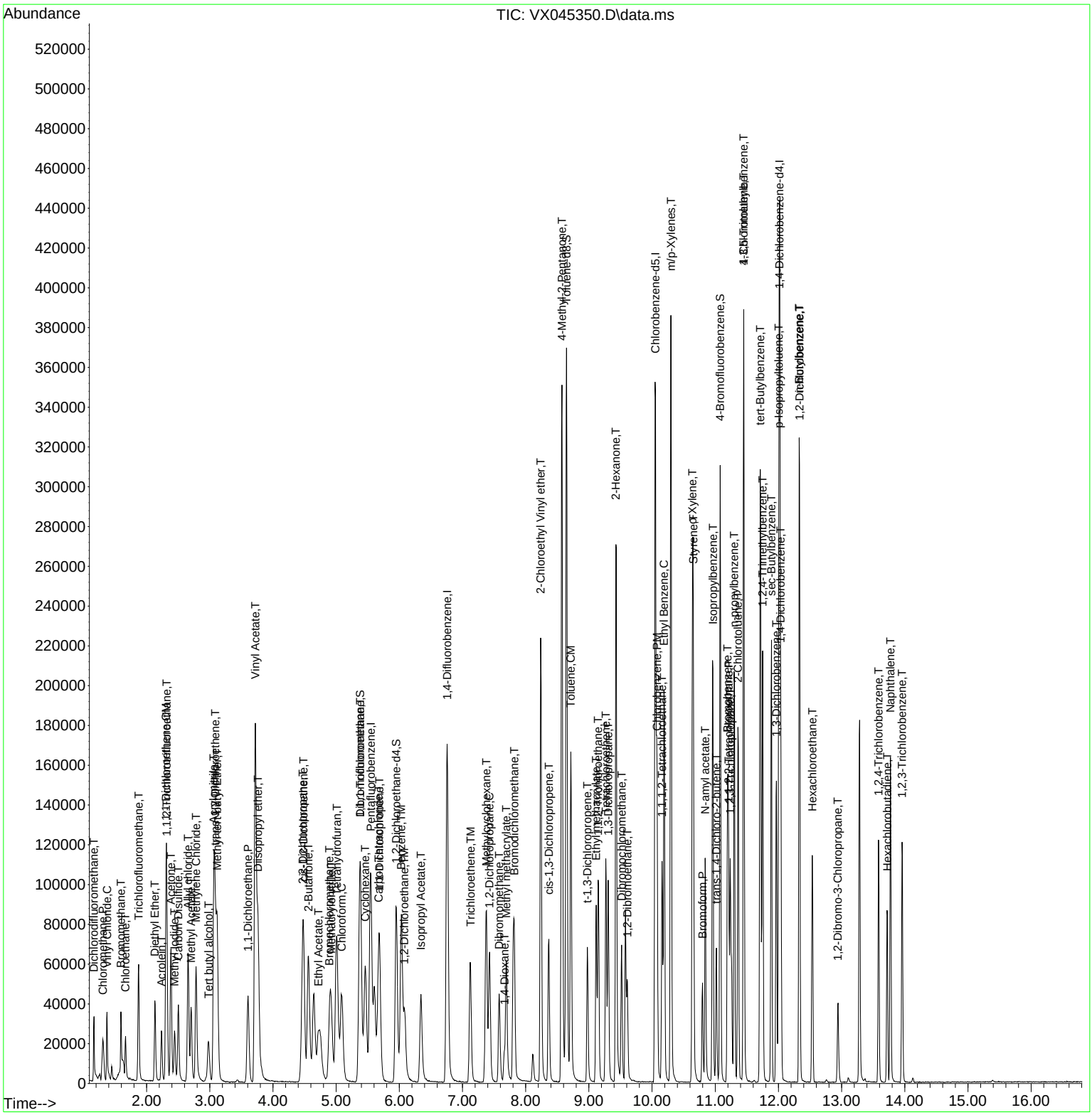
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Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

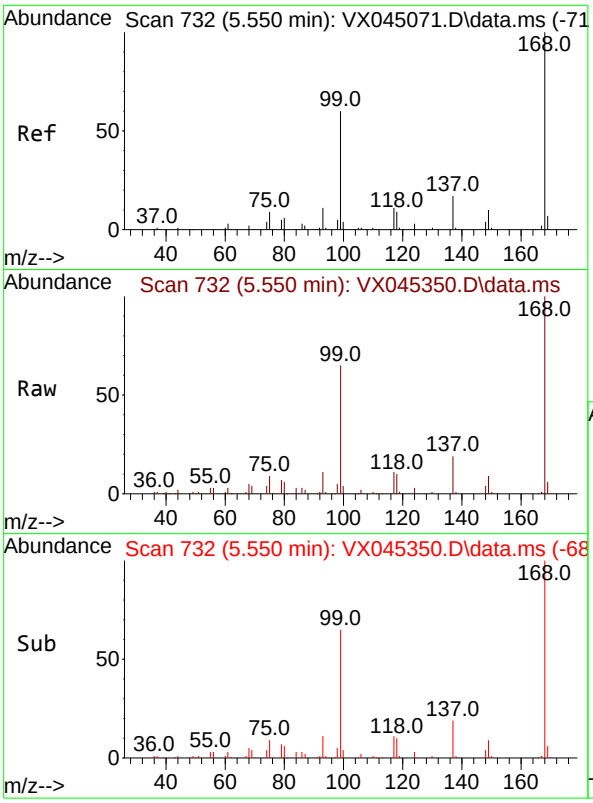
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
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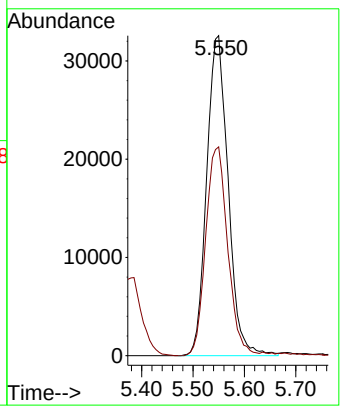




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:168 Resp: 9433

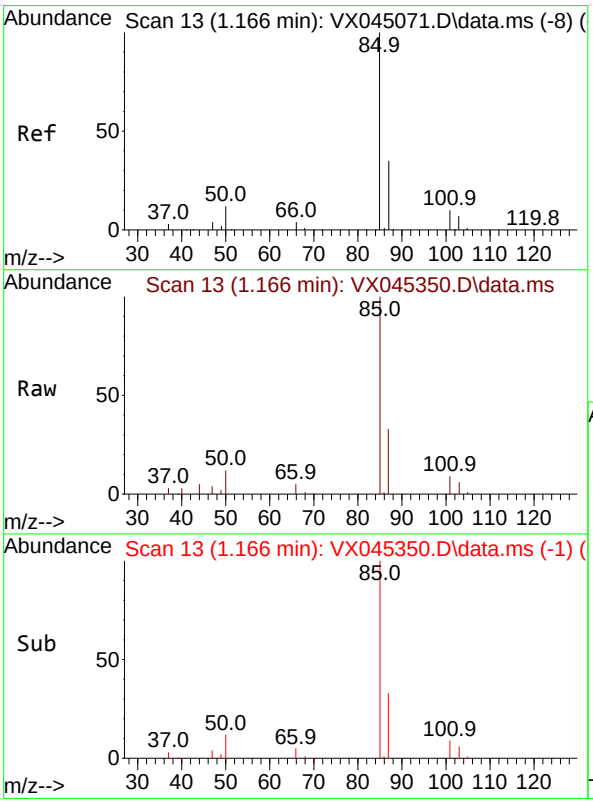
Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

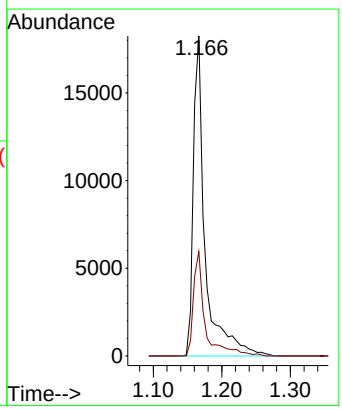
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

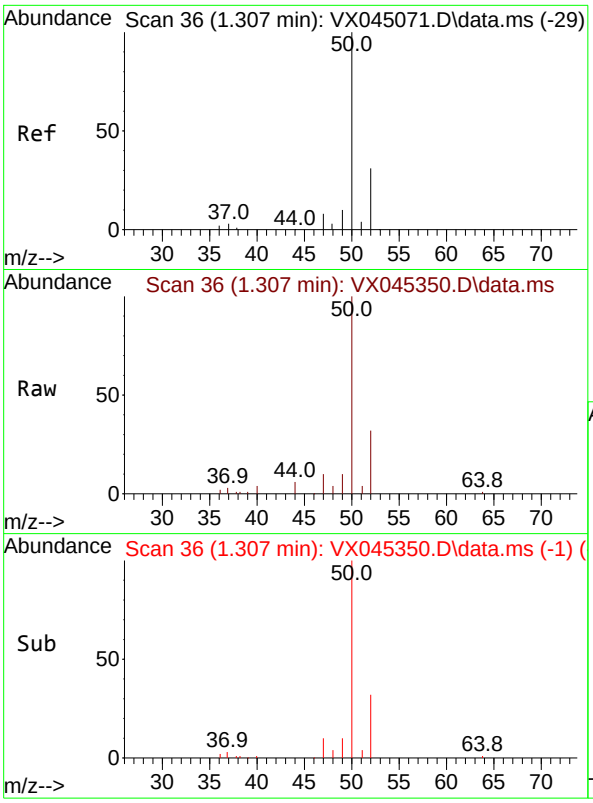


#2
Dichlorodifluoromethane
Concen: 18.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 85 Resp: 21766

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3

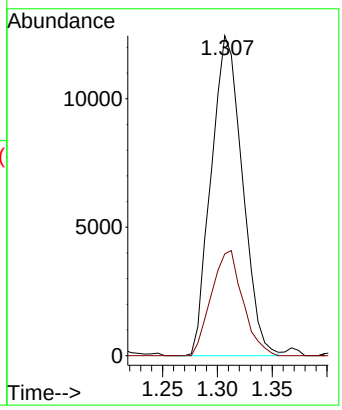




#3
Chloromethane
Concen: 16.997 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 50 Resp: 2470

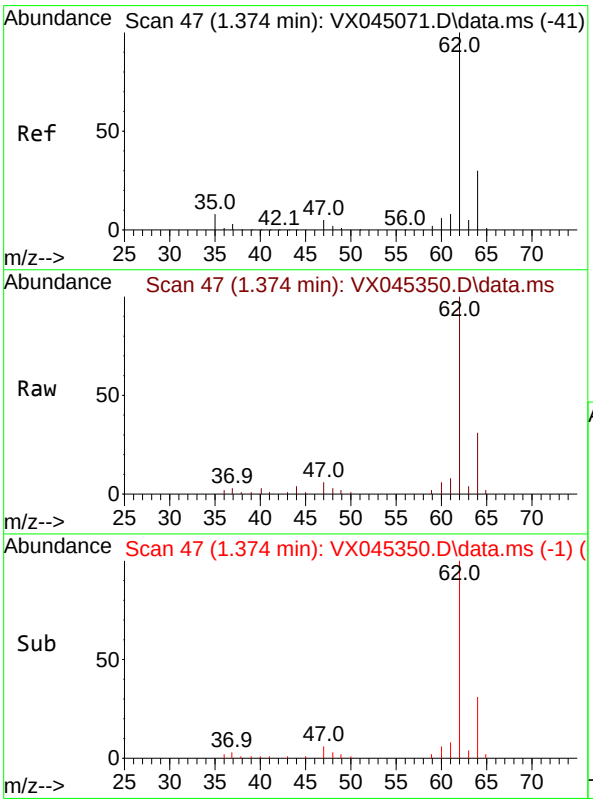
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

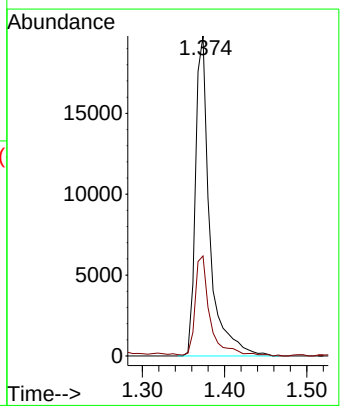
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

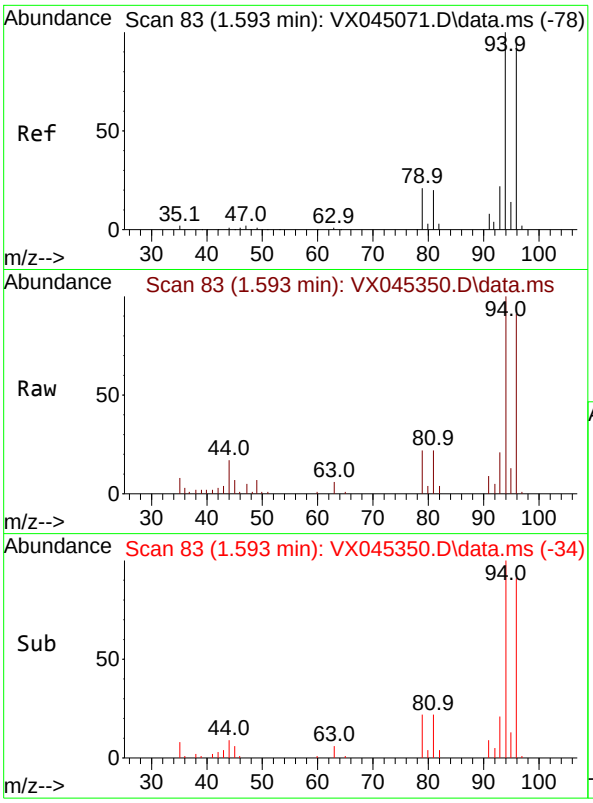


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 23778

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5

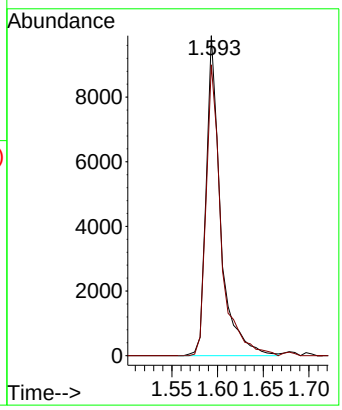




#5
Bromomethane
Concen: 19.068 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 94 Resp: 1080

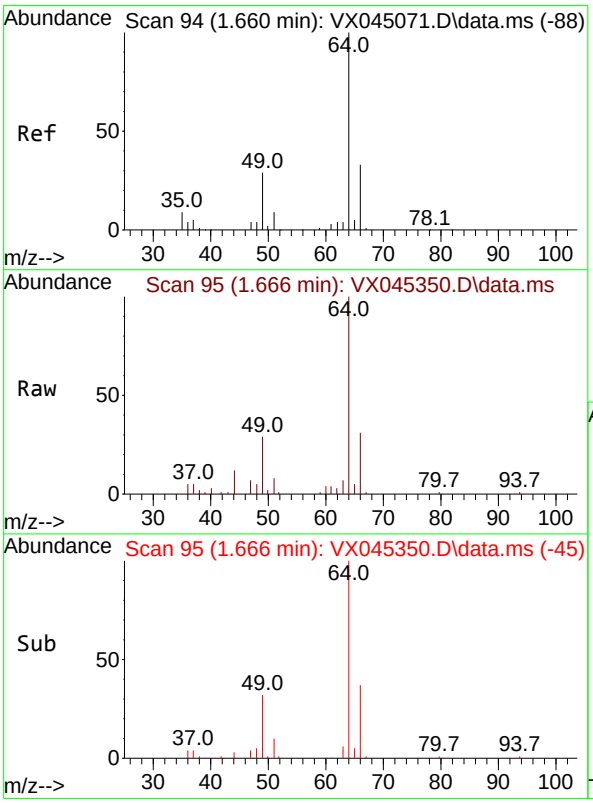
Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

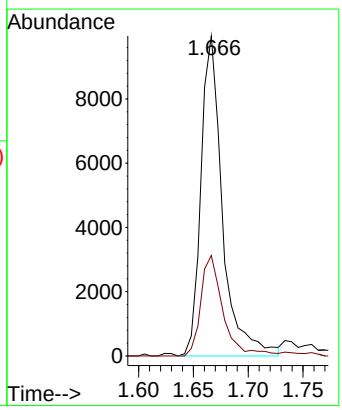
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

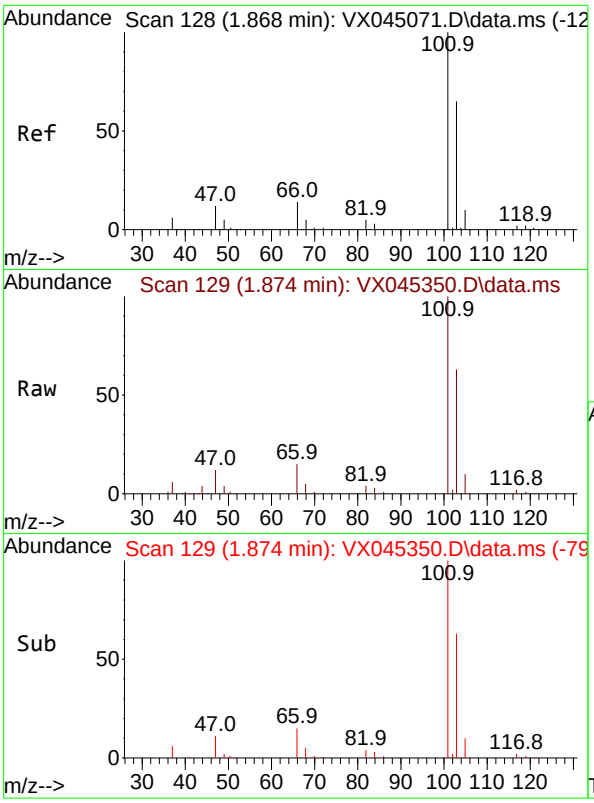


#6
Chloroethane
Concen: 20.367 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 64 Resp: 13543

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1

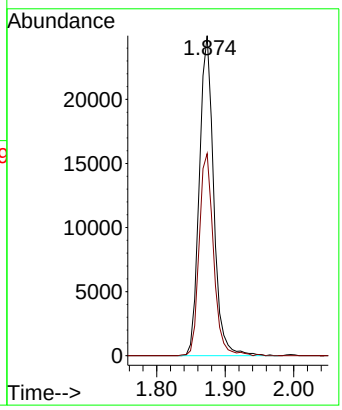




#7
Trichlorofluoromethane
Concen: 19.102 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:101 Resp: 3645

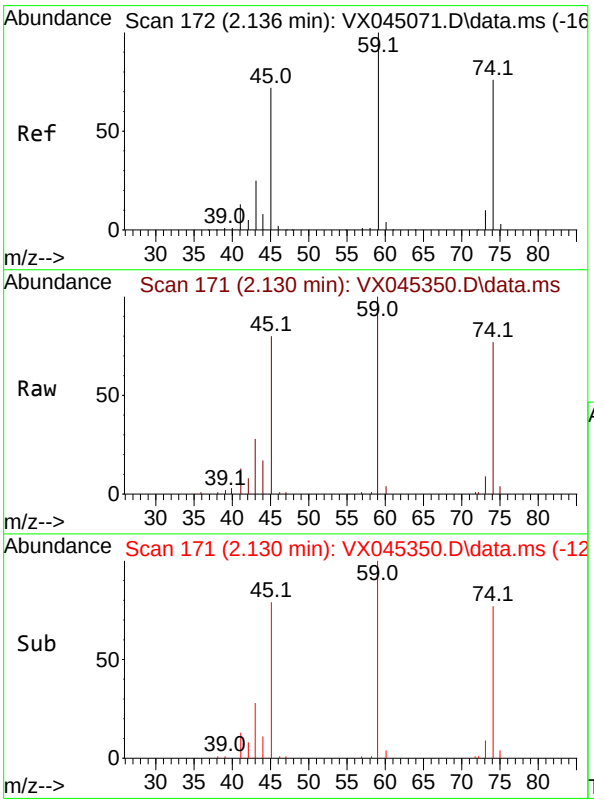
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

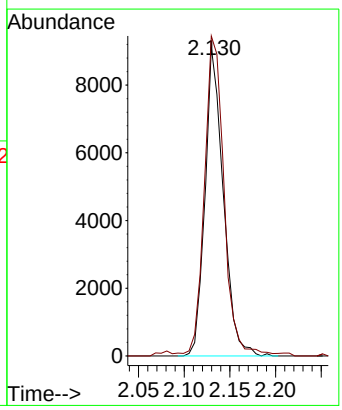
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

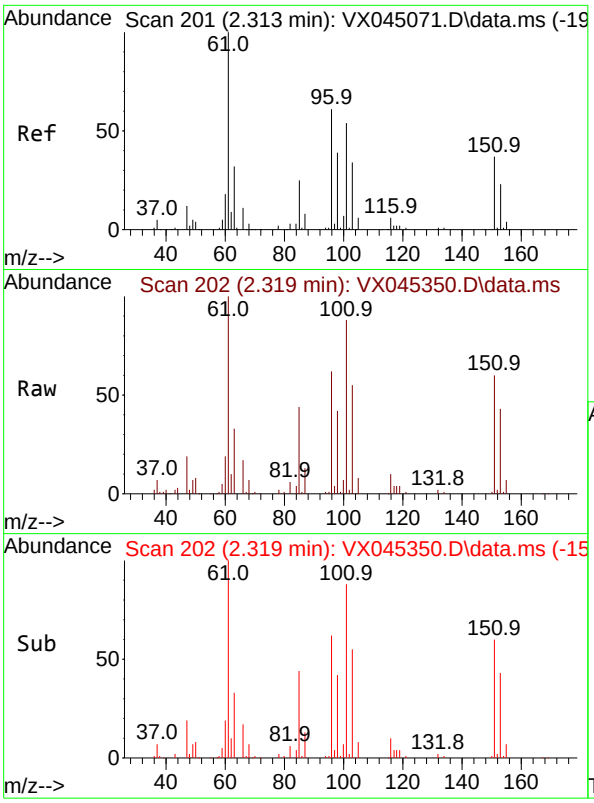


#8
Diethyl Ether
Concen: 16.992 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 74 Resp: 12684

Ion	Ratio	Lower	Upper
74	100		
45	110.9	51.5	154.5

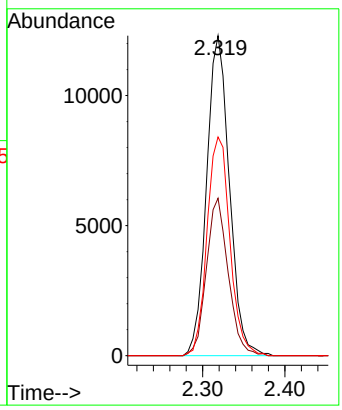




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.591 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:101 Resp: 2367

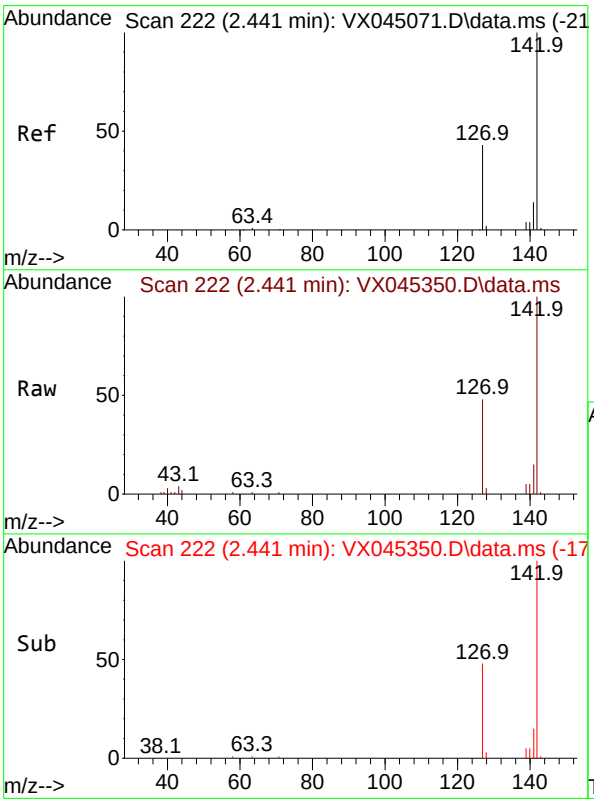
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	68.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

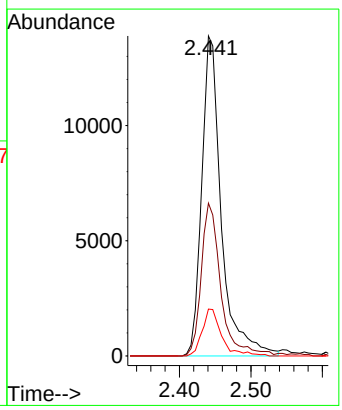
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

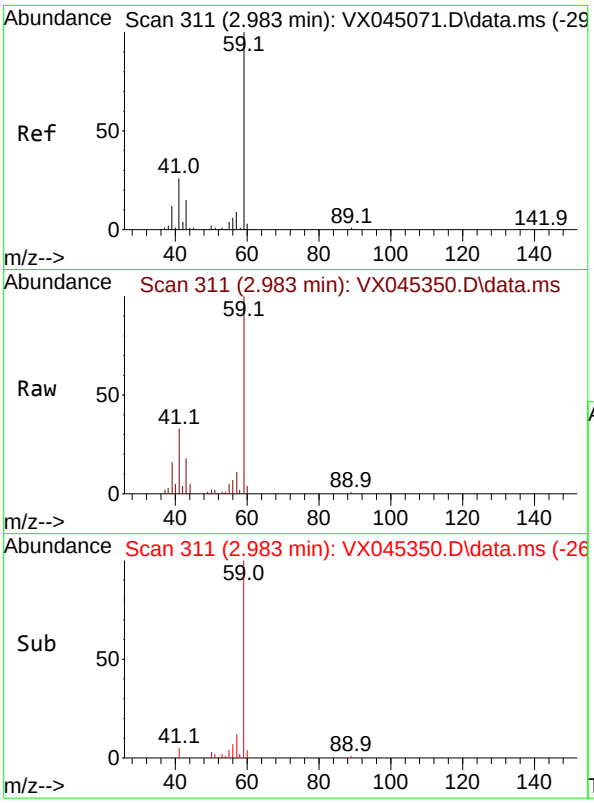


#10
Methyl Iodide
Concen: 19.277 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:142 Resp: 26414

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.4	53.2
141	14.6	11.6	17.4

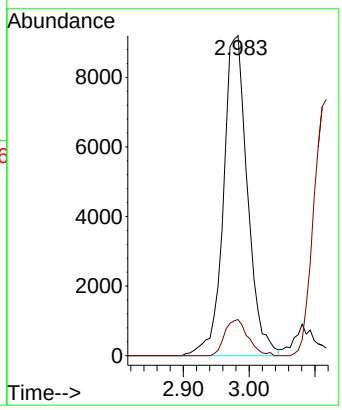




#11
Tert butyl alcohol
Concen: 82.384 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 59 Resp: 2341

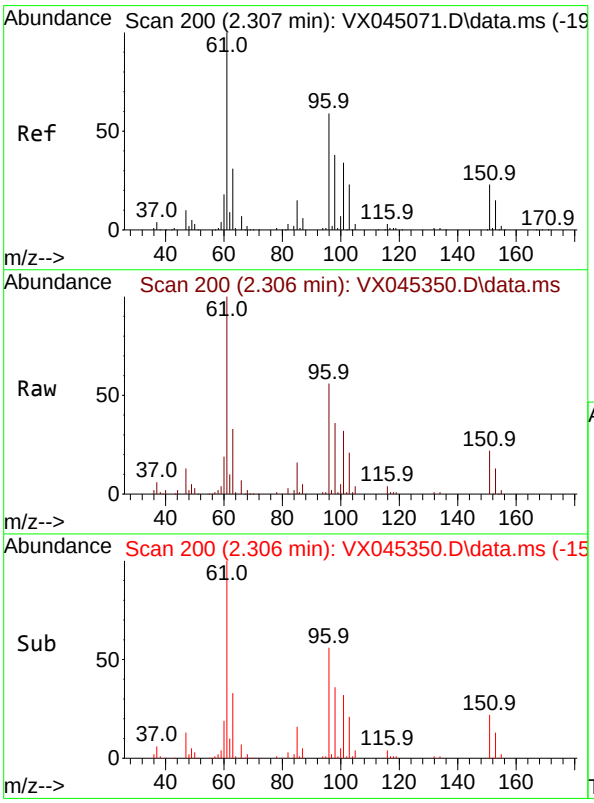
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

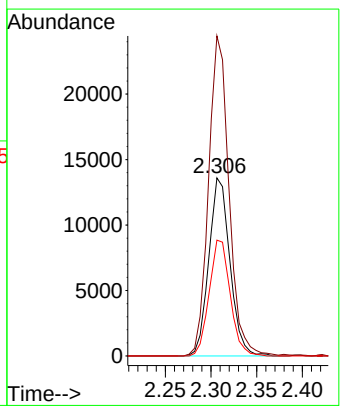
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

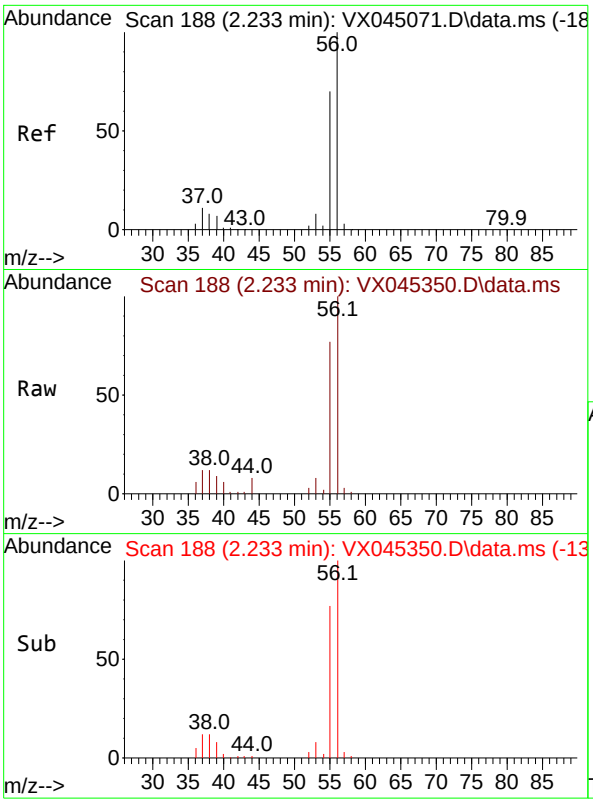


#12
1,1-Dichloroethene
Concen: 18.826 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 21823

Ion	Ratio	Lower	Upper
96	100		
61	179.6	134.6	202.0
98	65.0	51.0	76.6

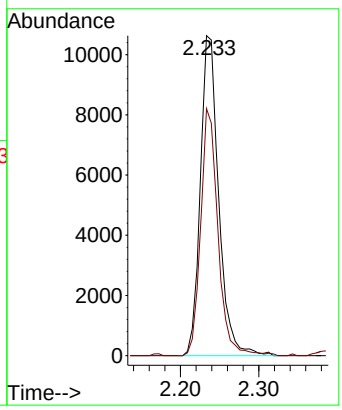




#13
Acrolein
Concen: 52.632 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 56 Resp: 1729

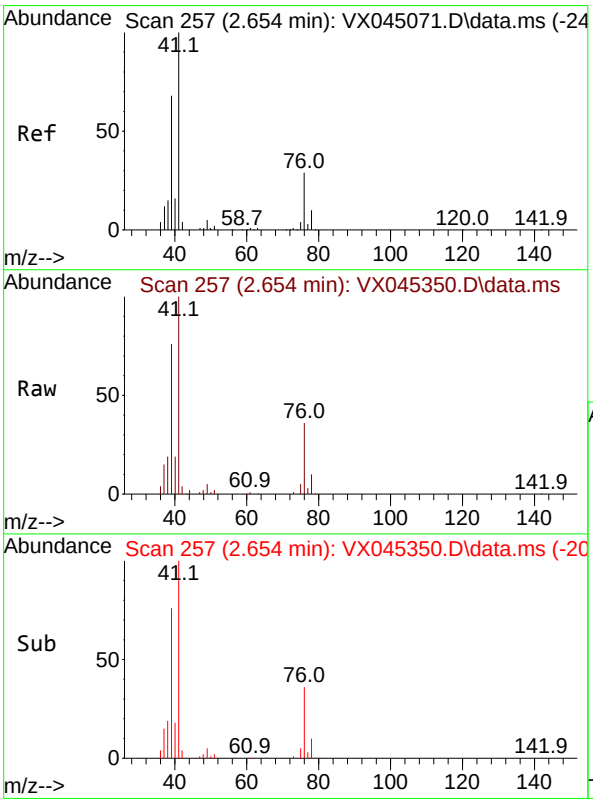
Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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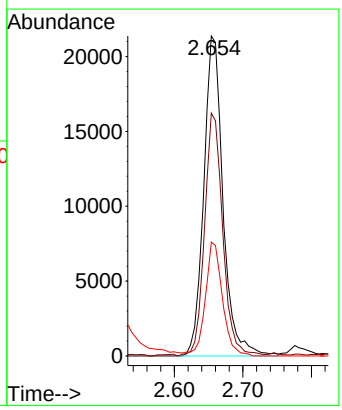
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

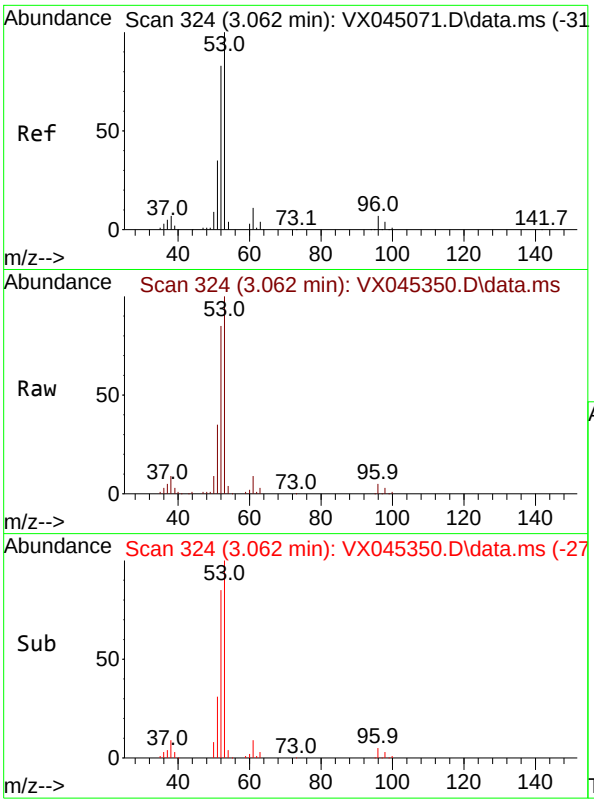


#14
Allyl chloride
Concen: 20.298 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 41884

Ion	Ratio	Lower	Upper
41	100		
39	71.6	53.8	80.8
76	31.7	25.2	37.8

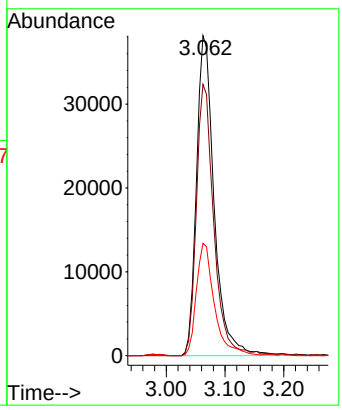




#15
Acrylonitrile
Concen: 105.082 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 53 Resp: 8004

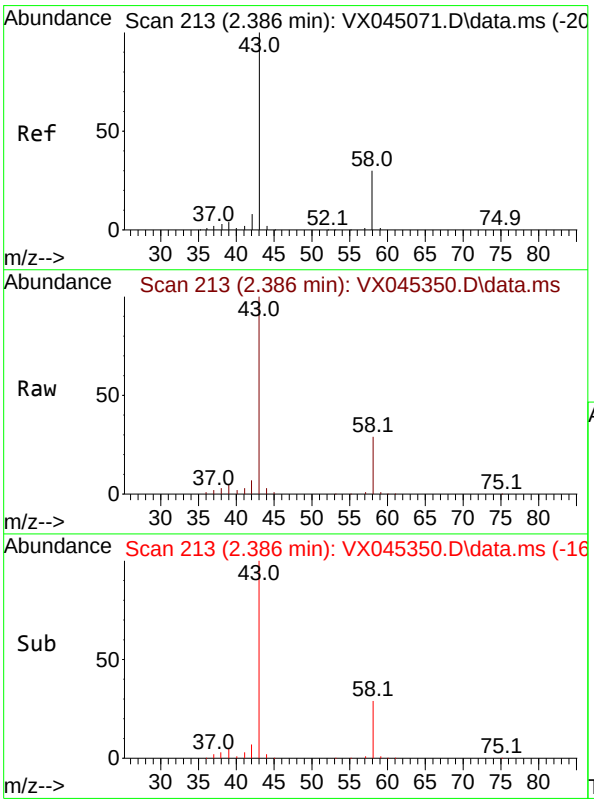
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

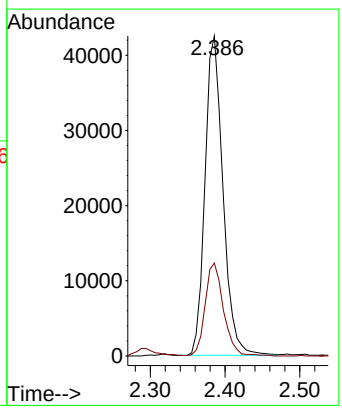
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

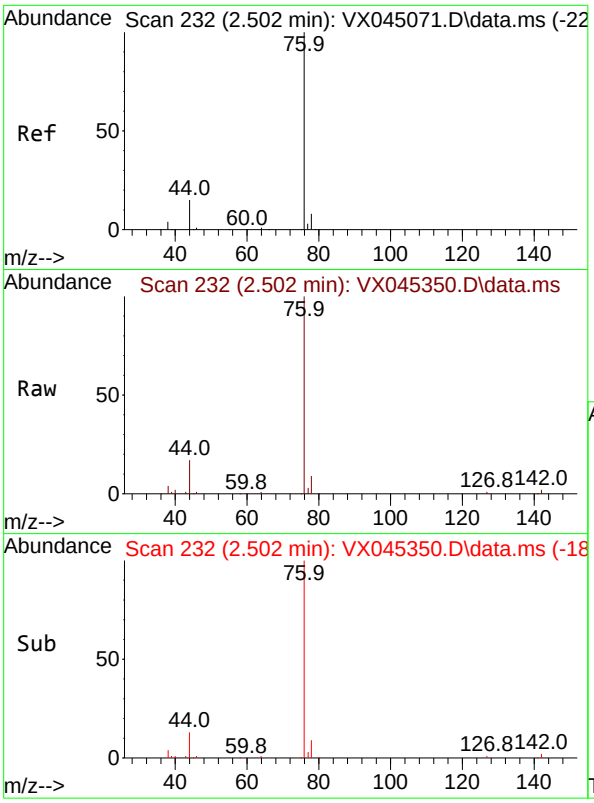


#16
Acetone
Concen: 102.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 71160

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4

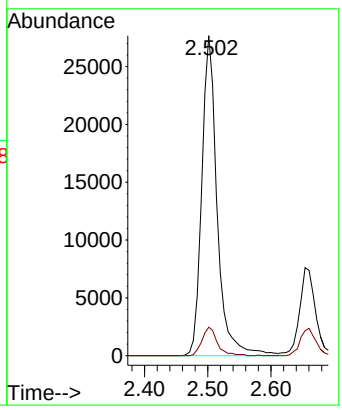




#17
Carbon Disulfide
Concen: 15.169 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 76 Resp: 4683

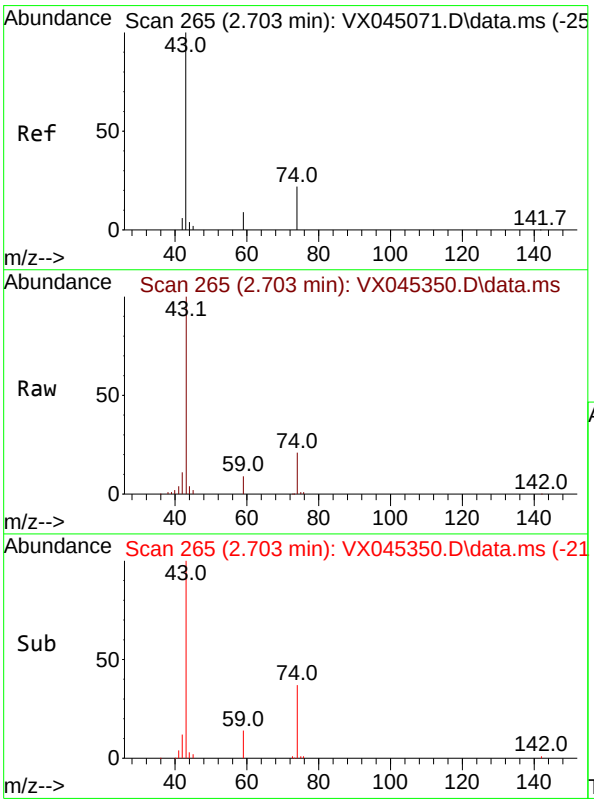
Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

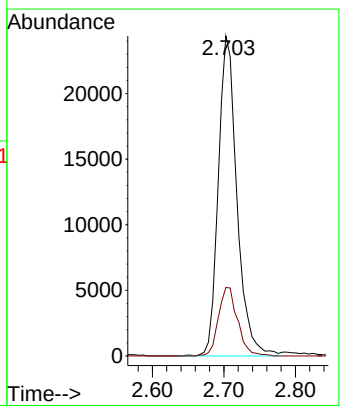
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

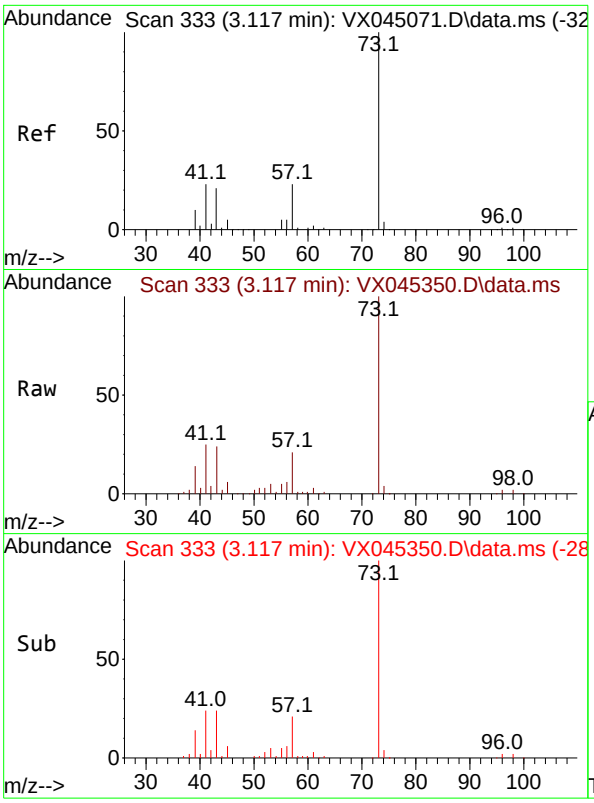


#18
Methyl Acetate
Concen: 26.343 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 44122

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

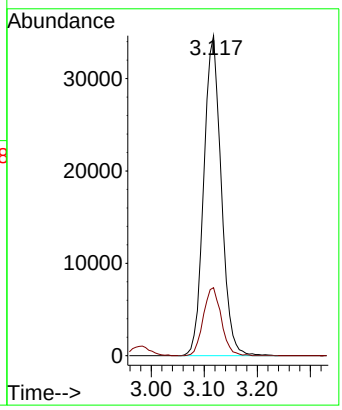




#19
Methyl tert-butyl Ether
Concen: 20.380 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 73 Resp: 7926

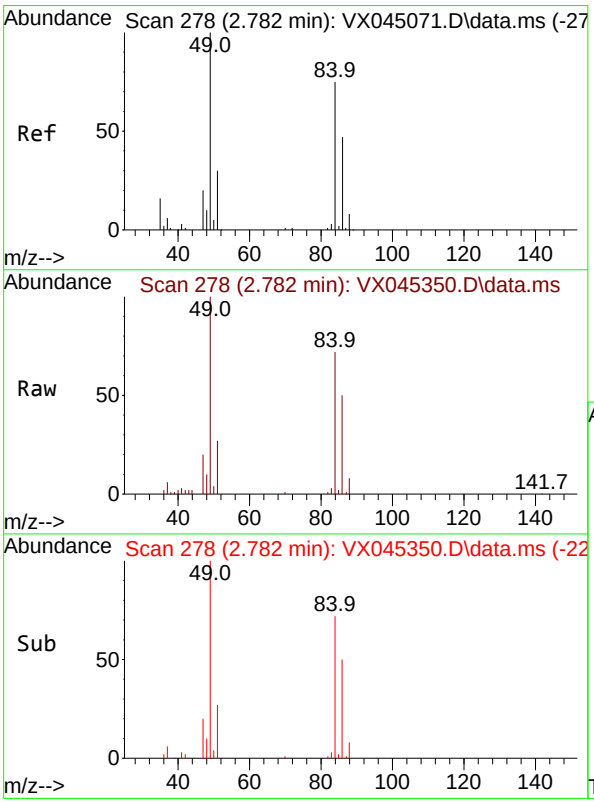
Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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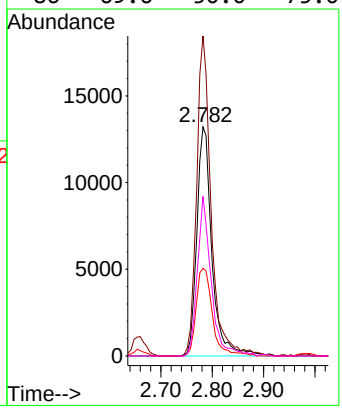
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

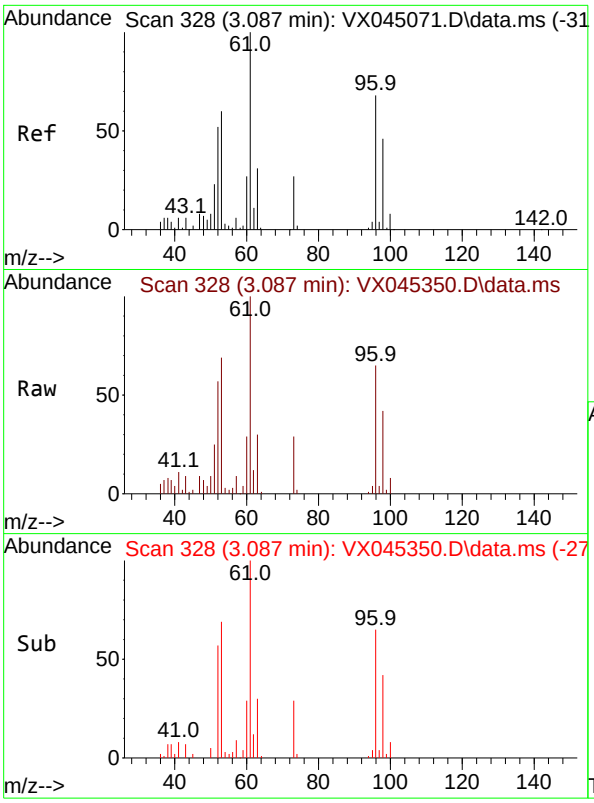


#20
Methylene Chloride
Concen: 19.552 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 84 Resp: 26965

Ion	Ratio	Lower	Upper
84	100		
49	139.7	106.5	159.7
51	38.3	32.1	48.1
86	69.6	50.0	75.0

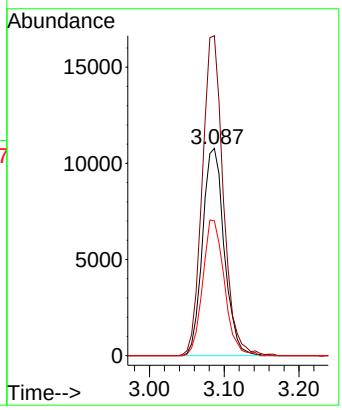




#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 2173

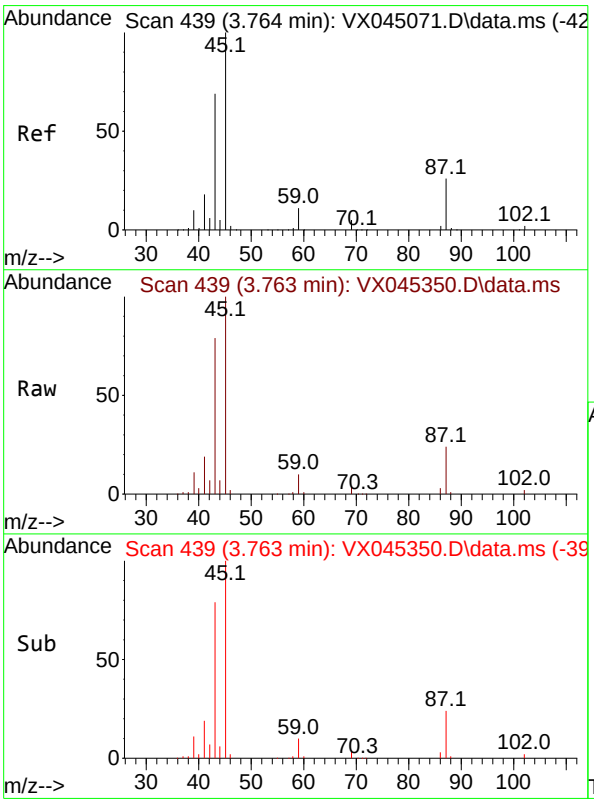
Ion	Ratio	Lower	Upper
96	100		
61	154.4	117.0	175.4
98	65.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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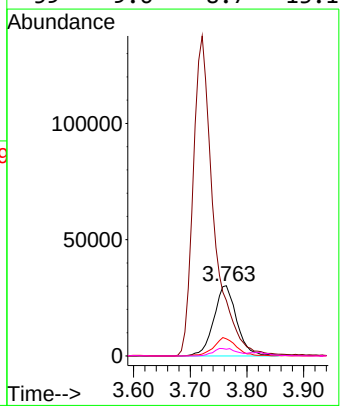
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

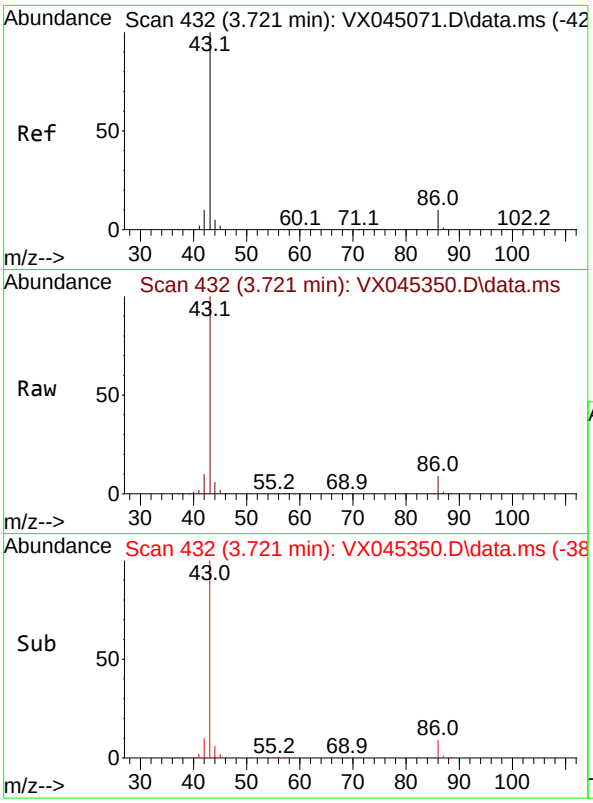


#22
Diisopropyl ether
Concen: 20.228 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 45 Resp: 84886

Ion	Ratio	Lower	Upper
45	100		
43	77.8	54.9	82.3
87	24.4	21.0	31.4
59	9.6	8.7	13.1





#23
Vinyl Acetate
Concen: 99.810 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

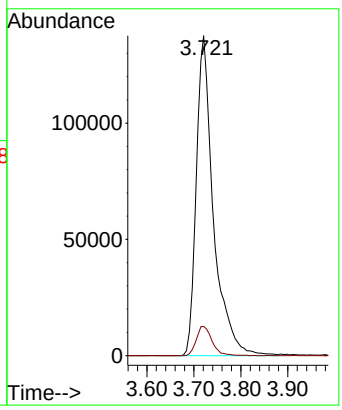
Tgt Ion: 43 Resp: 34953

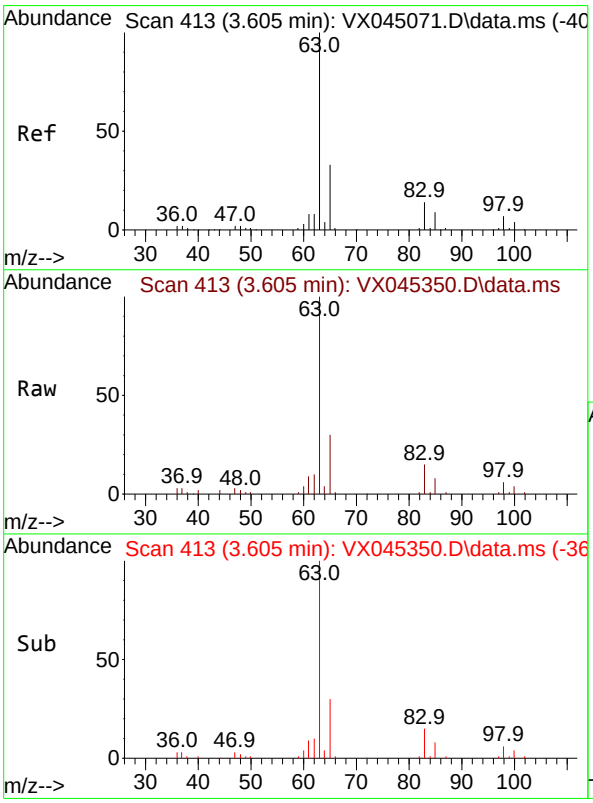
Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

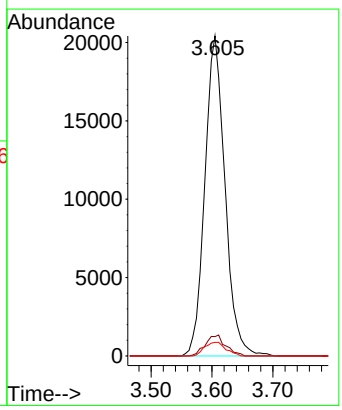


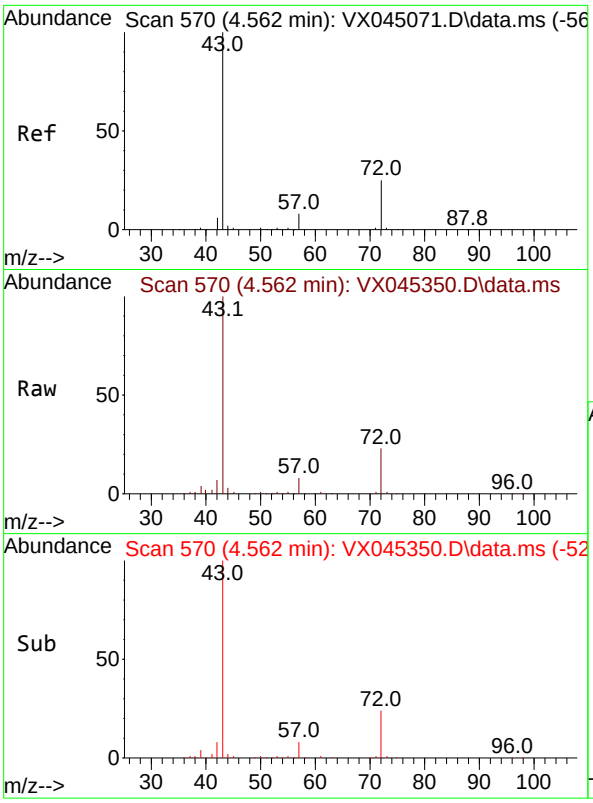


#24
1,1-Dichloroethane
Concen: 19.975 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 46978

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.2
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 108.061 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

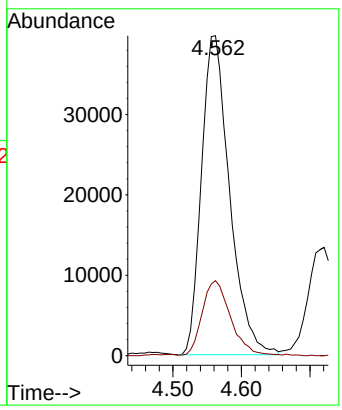
Tgt Ion: 43 Resp: 11324

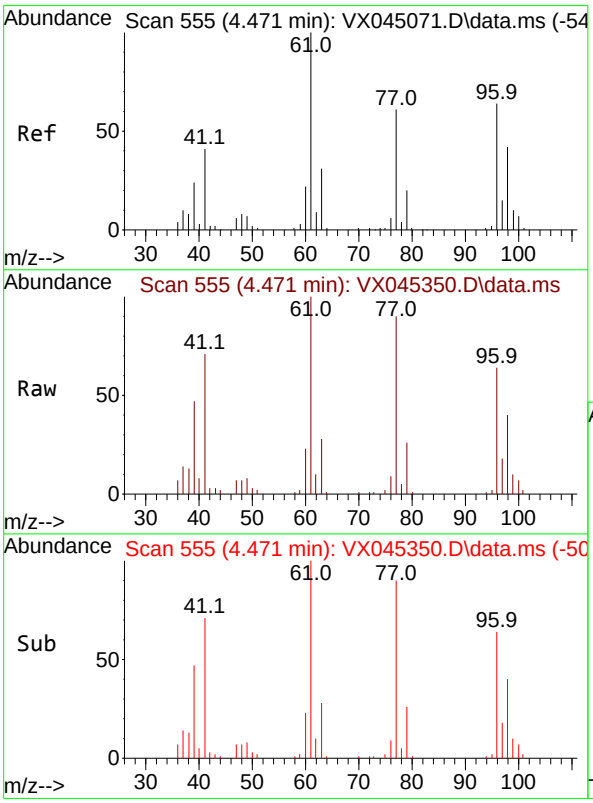
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

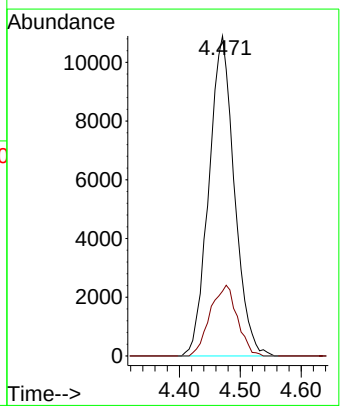


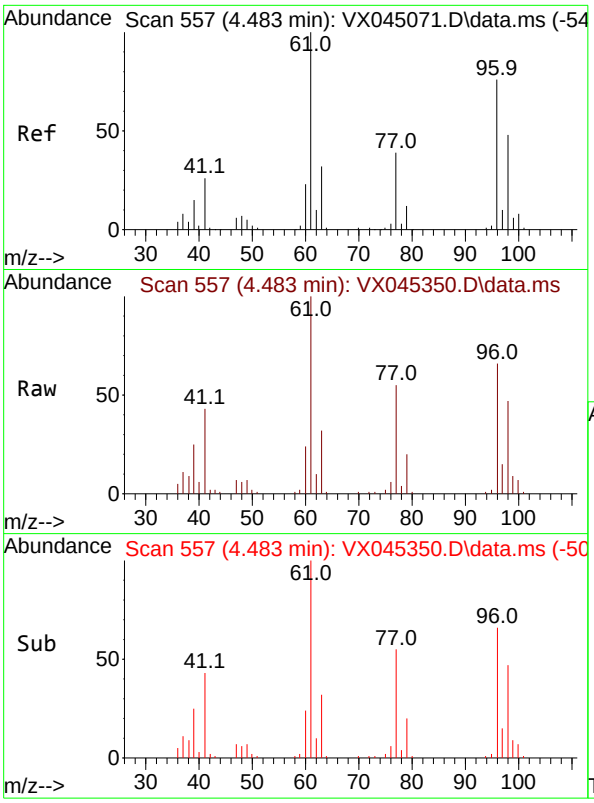


#26
2,2-Dichloropropane
Concen: 28.775 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 77 Resp: 31743

Ion	Ratio	Lower	Upper
77	100		
97	23.5	12.4	37.0

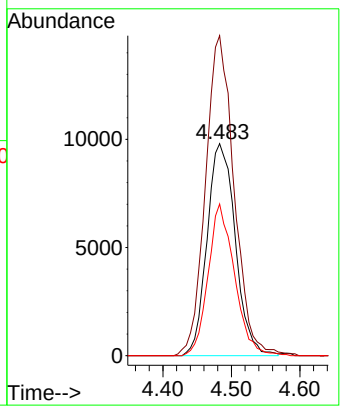




#27
cis-1,2-Dichloroethene
Concen: 19.836 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 2804

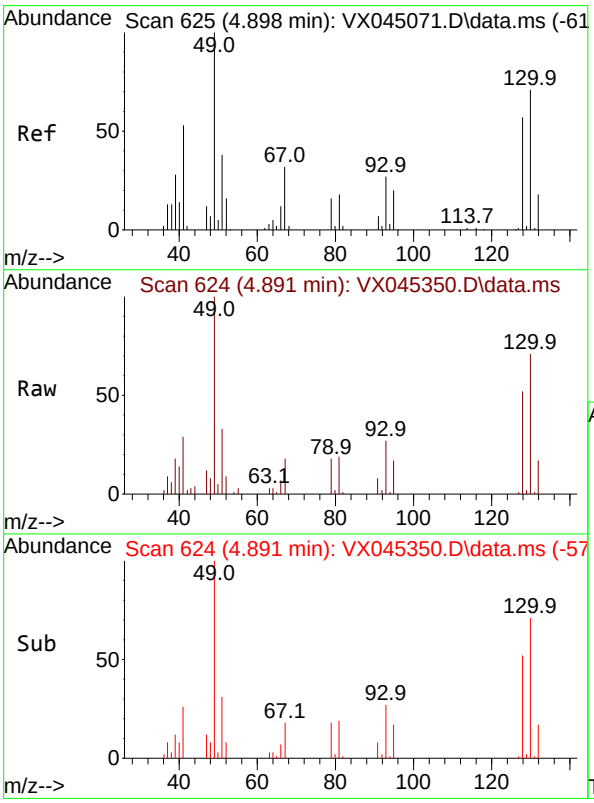
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	66.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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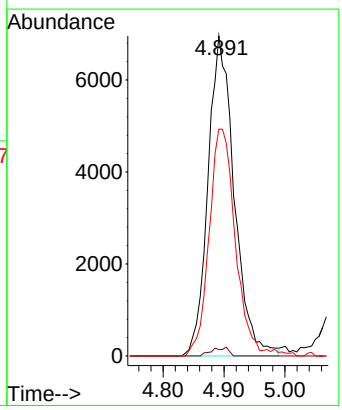
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

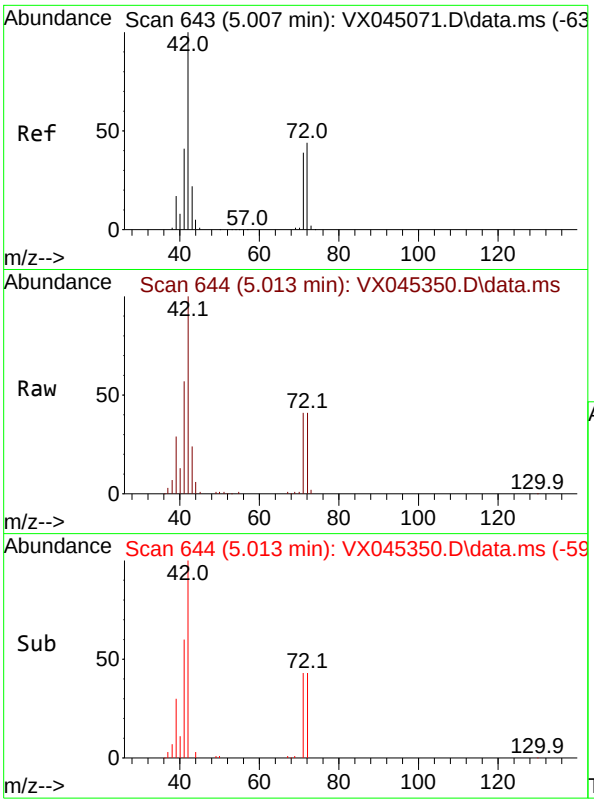


#28
Bromochloromethane
Concen: 18.577 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 49 Resp: 20825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

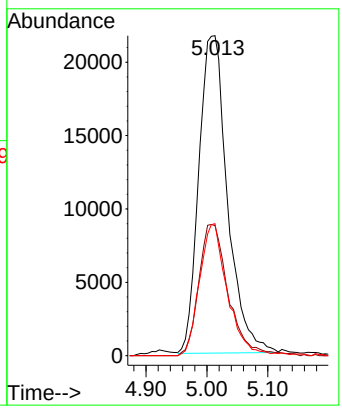




#29
Tetrahydrofuran
Concen: 100.410 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 42 Resp: 7066

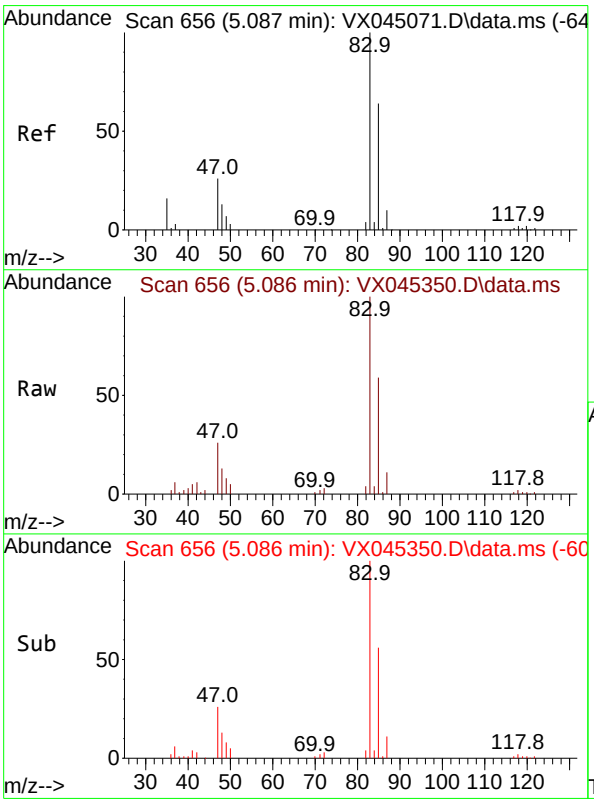
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	40.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

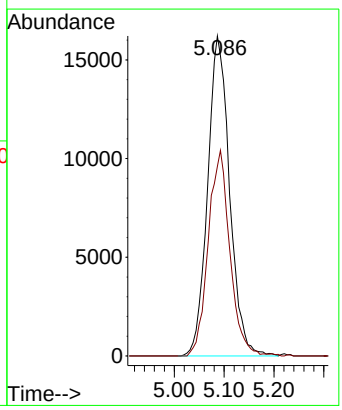
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

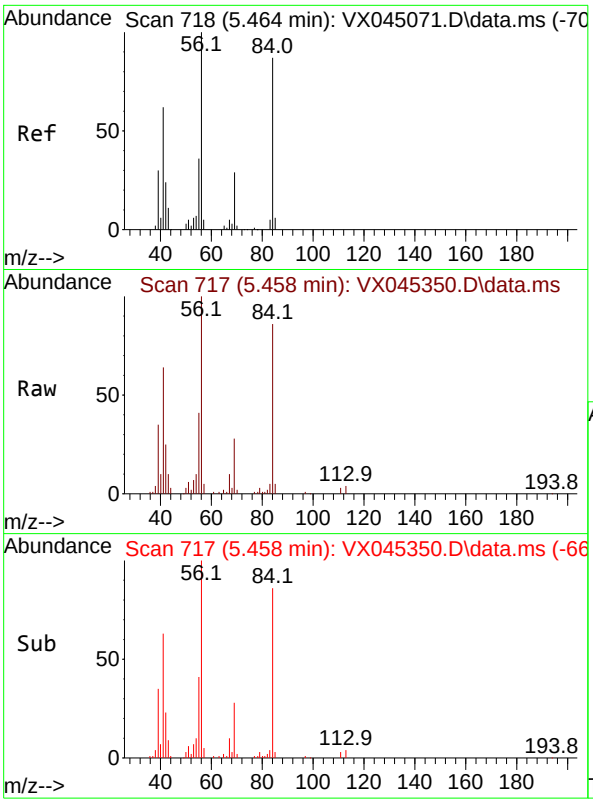


#30
Chloroform
Concen: 21.241 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 49636

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.4	77.2





#31
Cyclohexane
Concen: 18.719 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

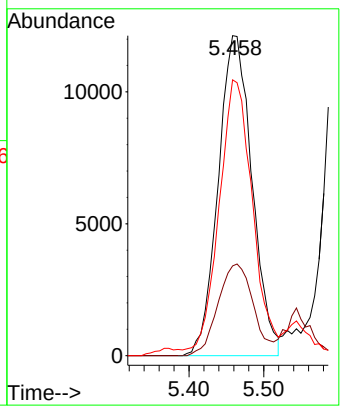
Tgt Ion: 56 Resp: 3821

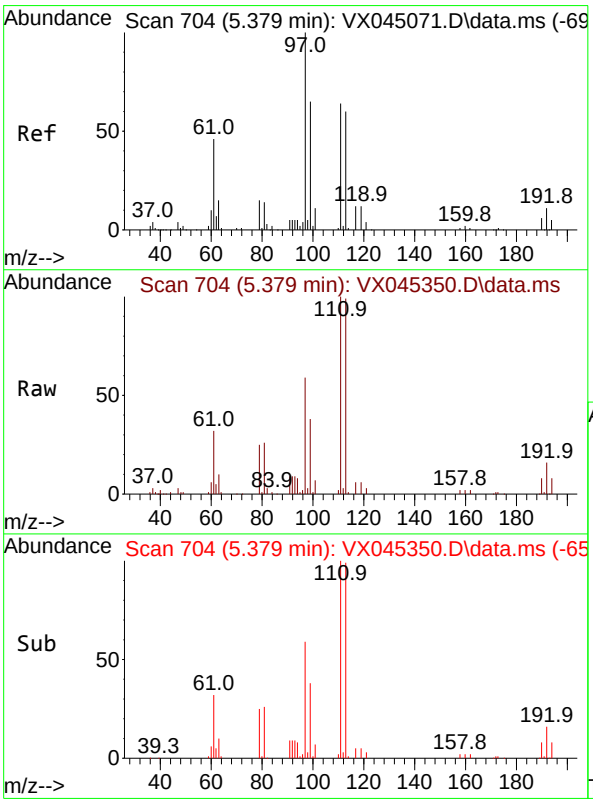
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.2
84	84.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

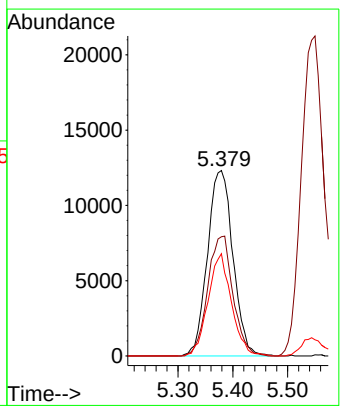


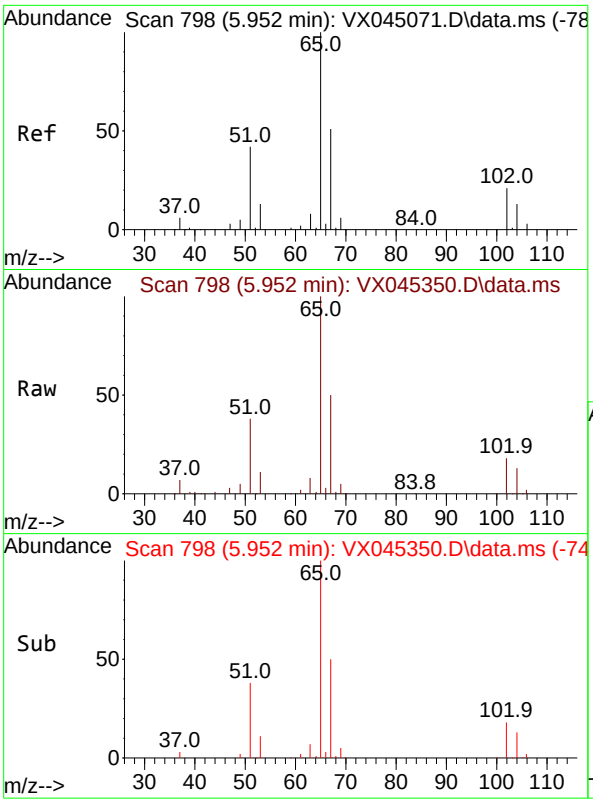


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 39741

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6

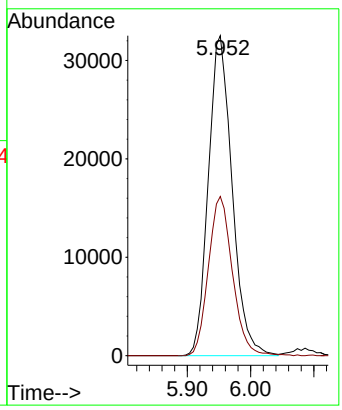




#33
1,2-Dichloroethane-d4
Concen: 56.529 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 65 Resp: 8482

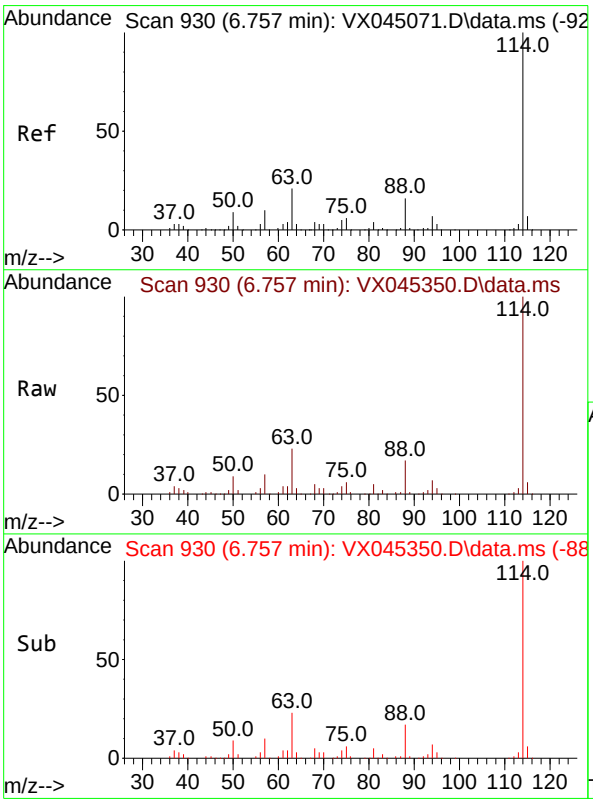
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

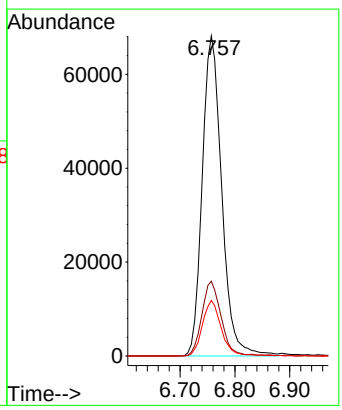
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

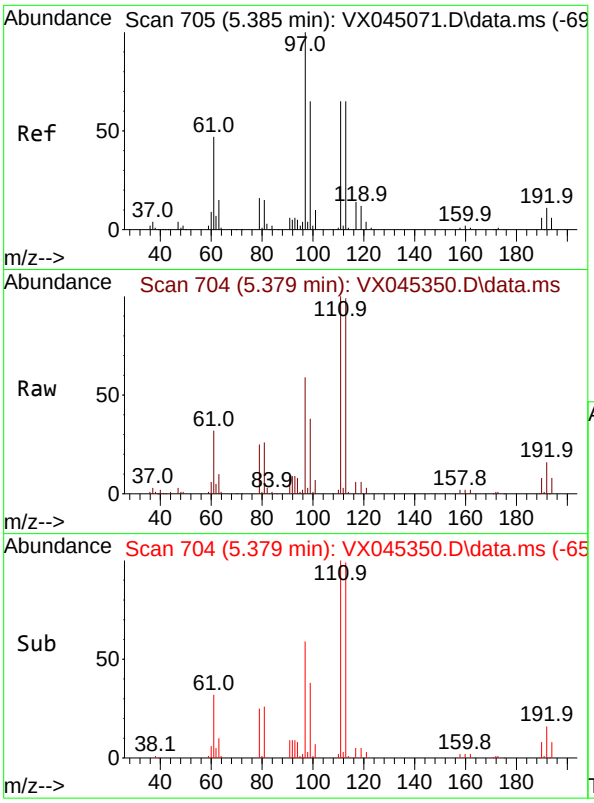


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:114 Resp: 168482

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.3	0.0	32.8

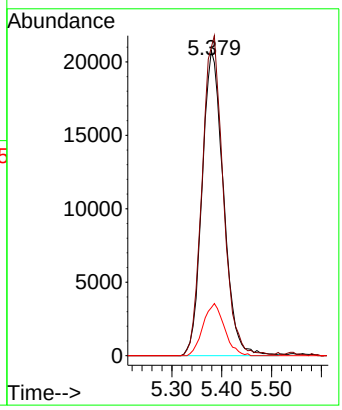




#35
Dibromofluoromethane
Concen: 54.756 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:113 Resp: 6168

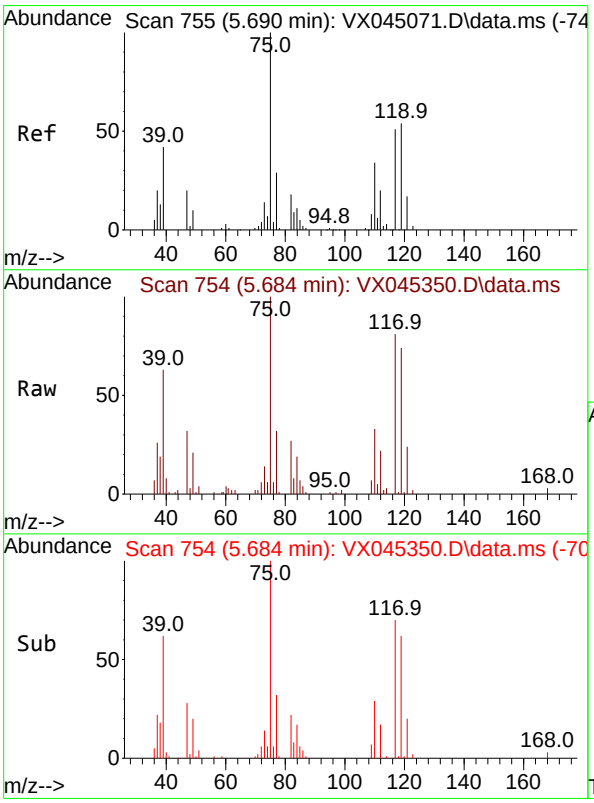
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.1	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

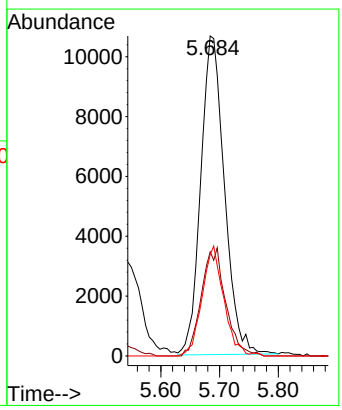
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

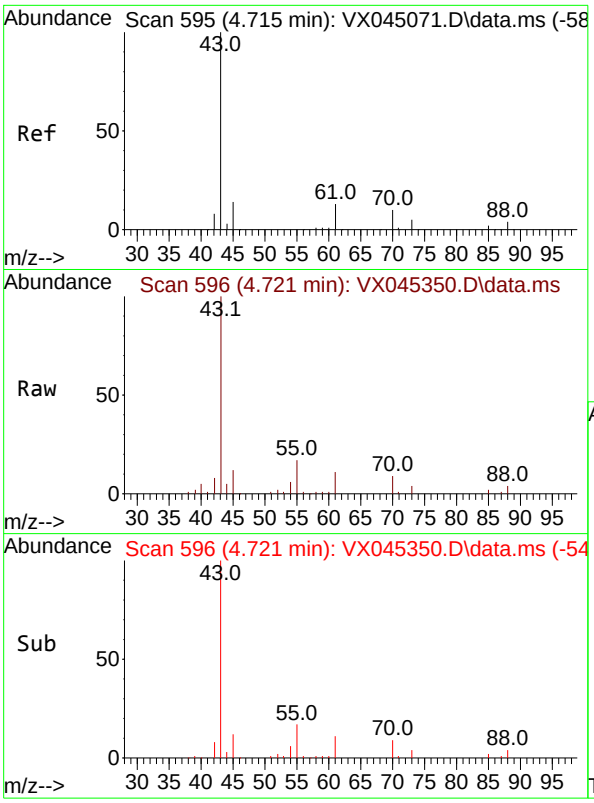


#36
1,1-Dichloropropene
Concen: 19.369 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 29925

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.4	24.5	36.7

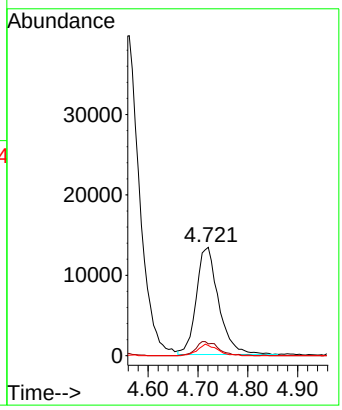




#37
Ethyl Acetate
Concen: 20.774 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 4135

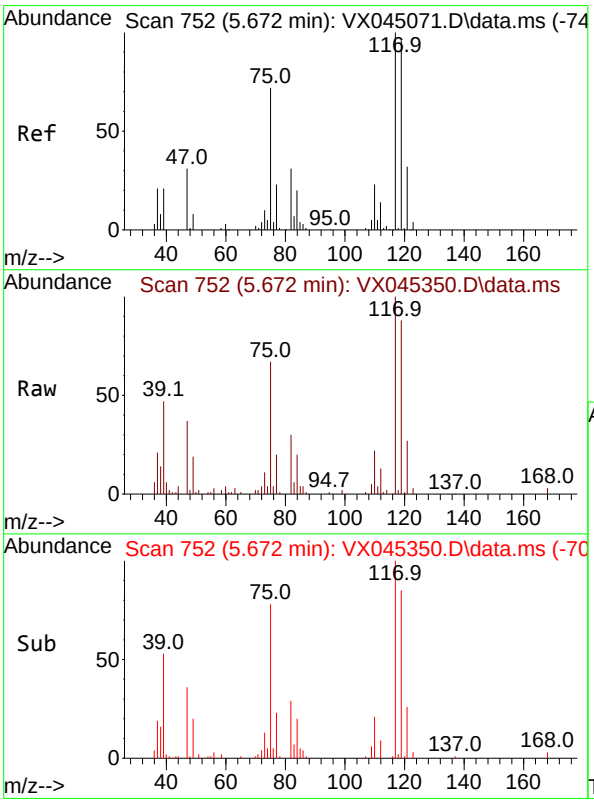
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

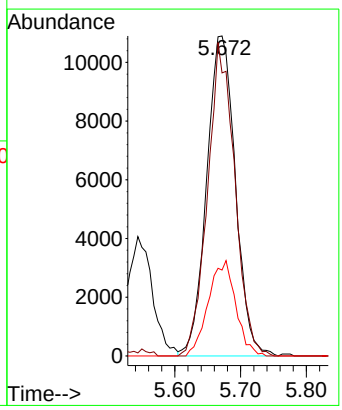
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

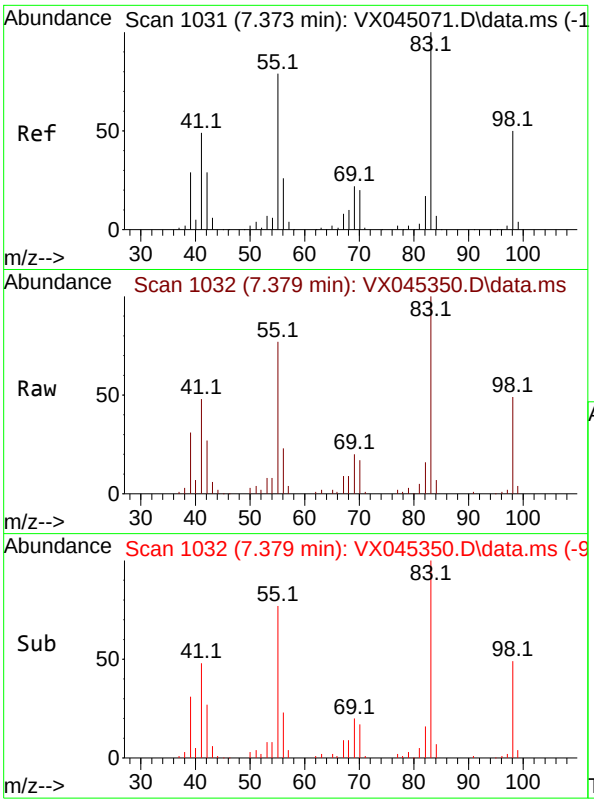


#38
Carbon Tetrachloride
Concen: 21.134 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 33150

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.7	115.1
121	26.9	25.5	38.3

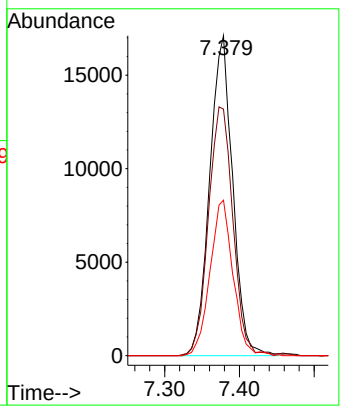




#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3655

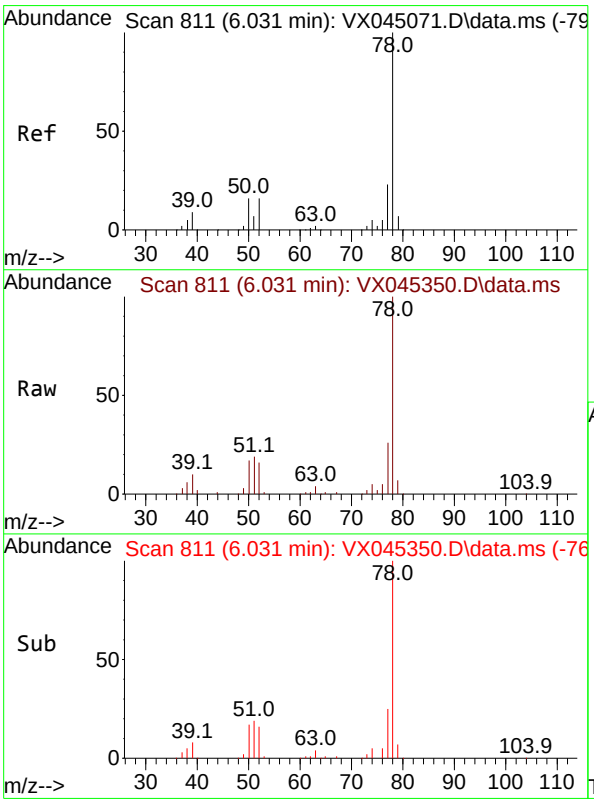
Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.0	94.4
98	48.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

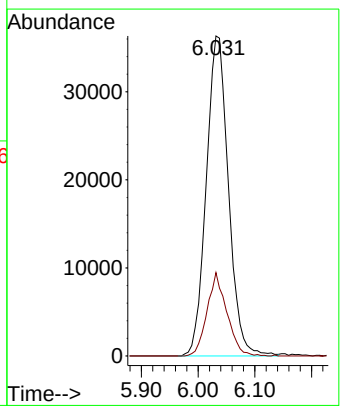
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

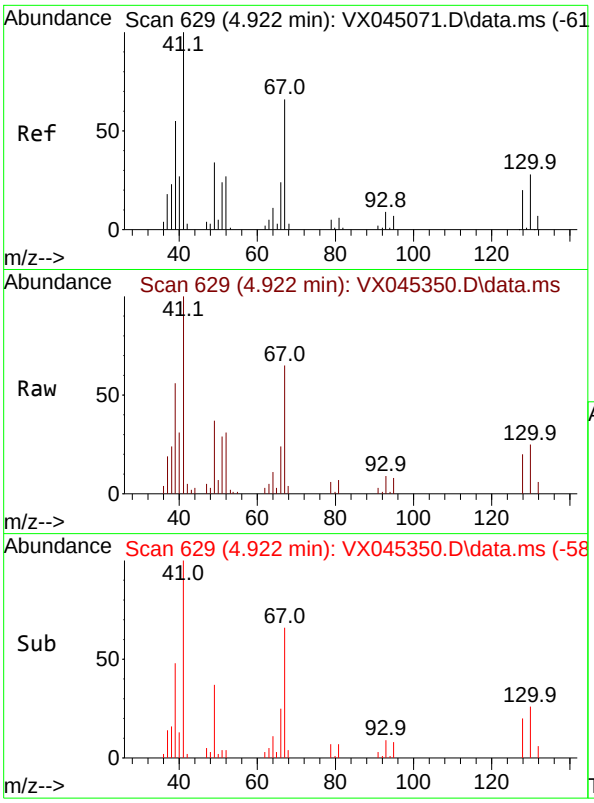


#40
Benzene
Concen: 20.229 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 78 Resp: 98693

Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.8	28.2

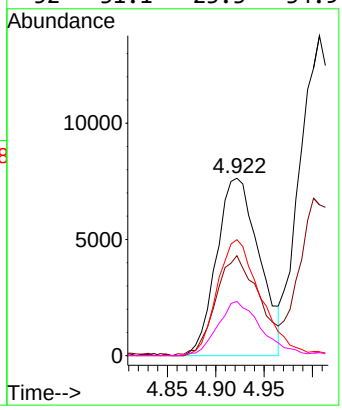




#41
Methacrylonitrile
Concen: 21.777 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 2344

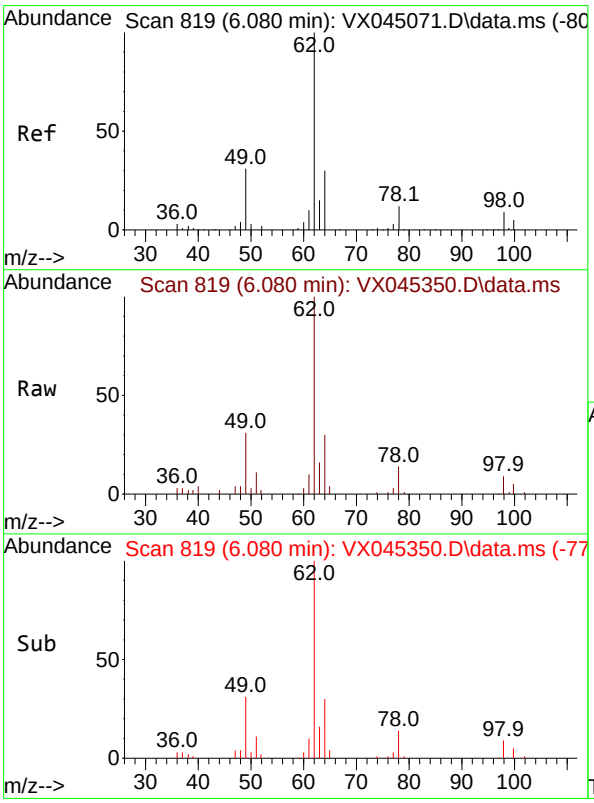
Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	67.1	53.9	80.9
52	31.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

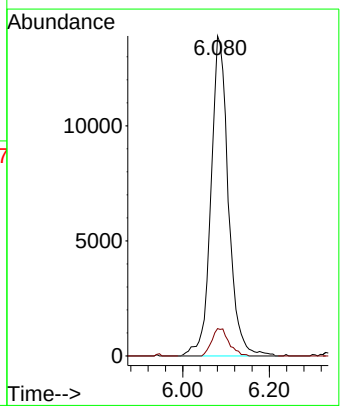
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

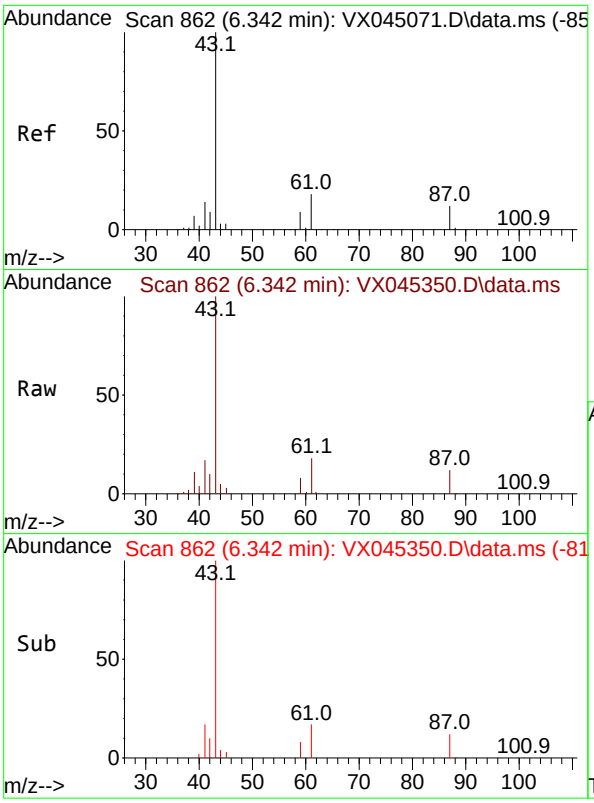


#42
1,2-Dichloroethane
Concen: 22.168 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 38946

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2

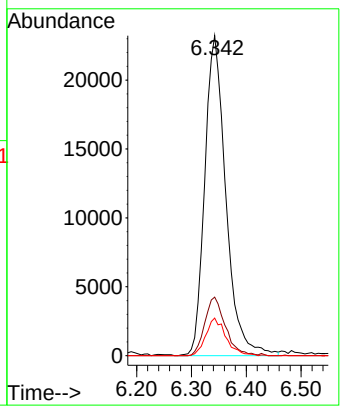




#43
Isopropyl Acetate
Concen: 21.091 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 6208

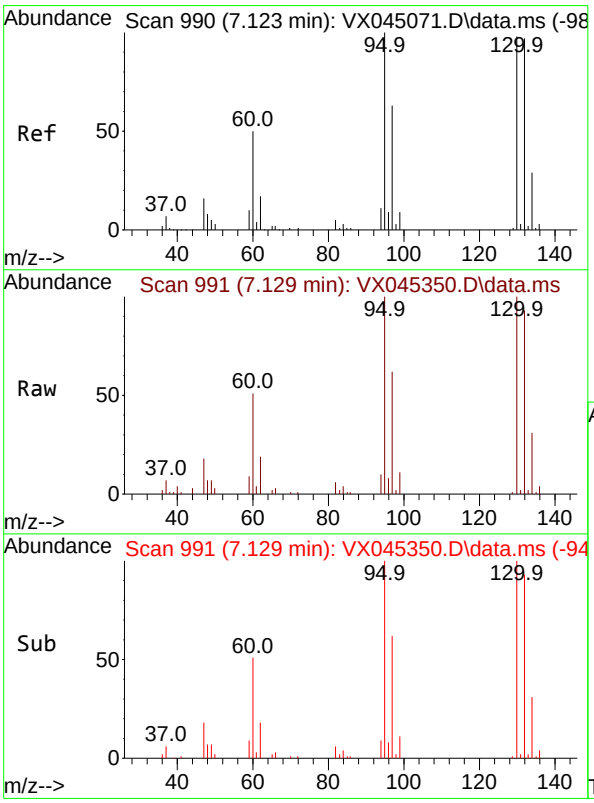
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.2	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

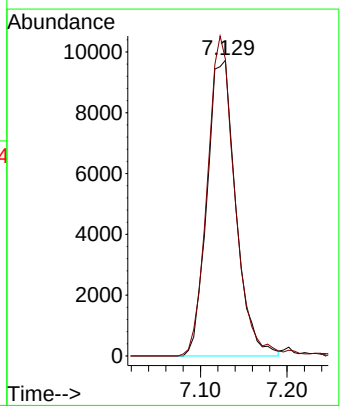
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

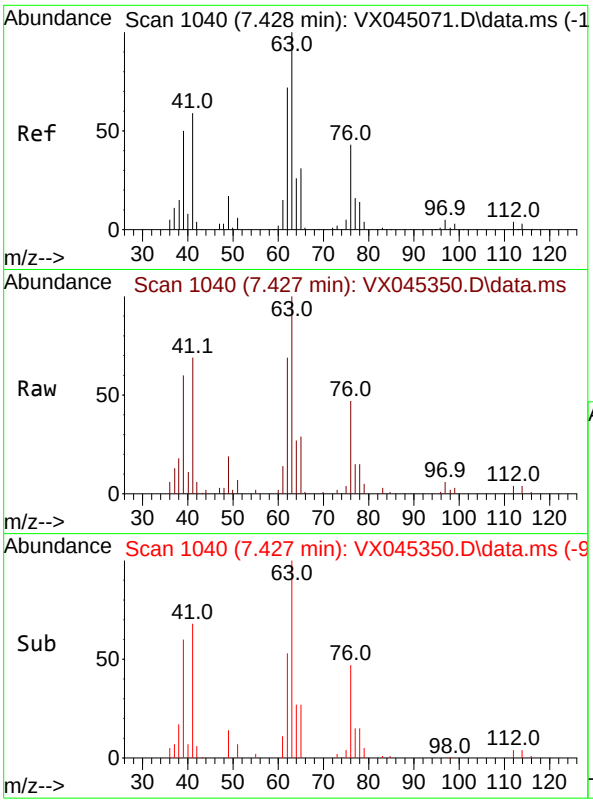


#44
Trichloroethene
Concen: 19.539 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:130 Resp: 22383

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

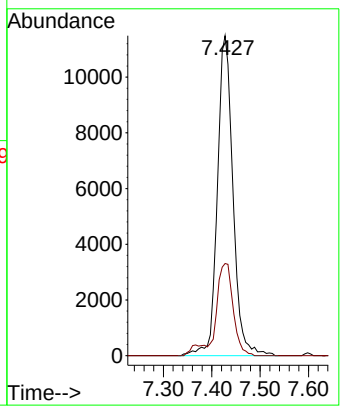




#45
1,2-Dichloropropane
Concen: 20.556 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 2578

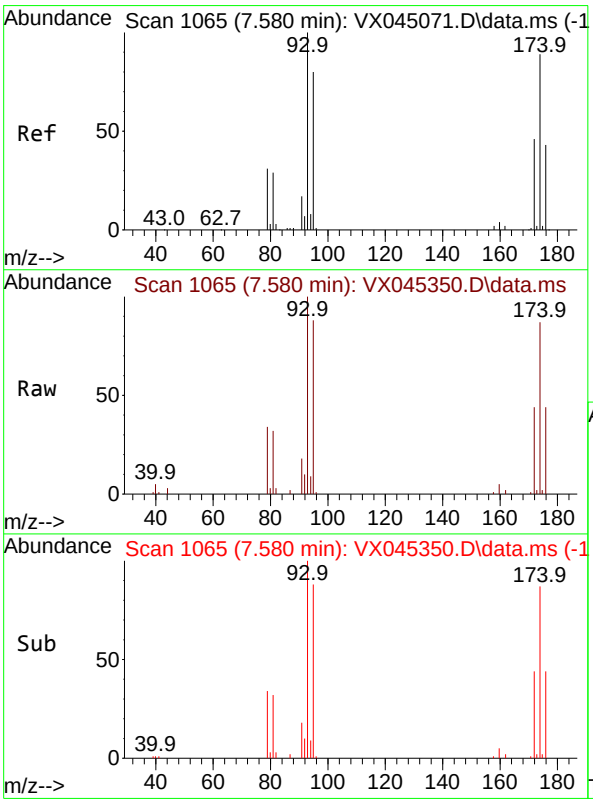
Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

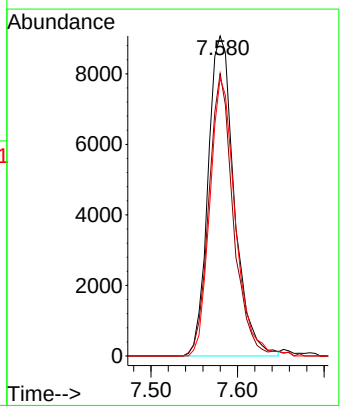
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

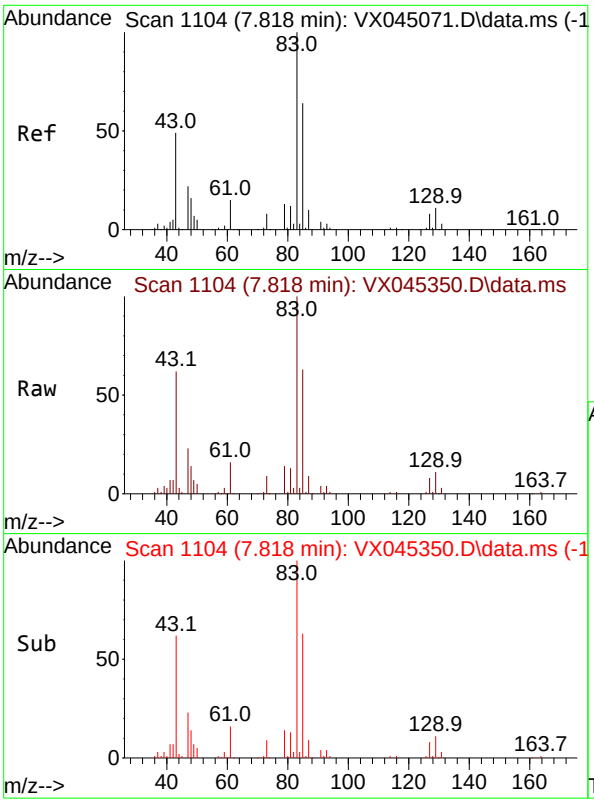


#46
Dibromomethane
Concen: 21.446 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 93 Resp: 19014

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.8
174	84.3	72.2	108.2

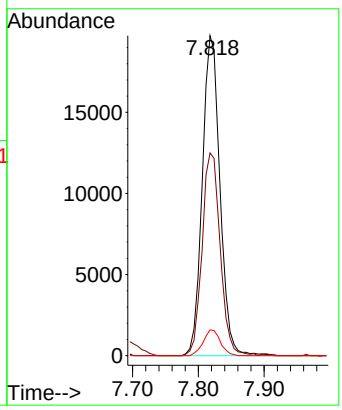




#47
Bromodichloromethane
Concen: 21.200 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3686

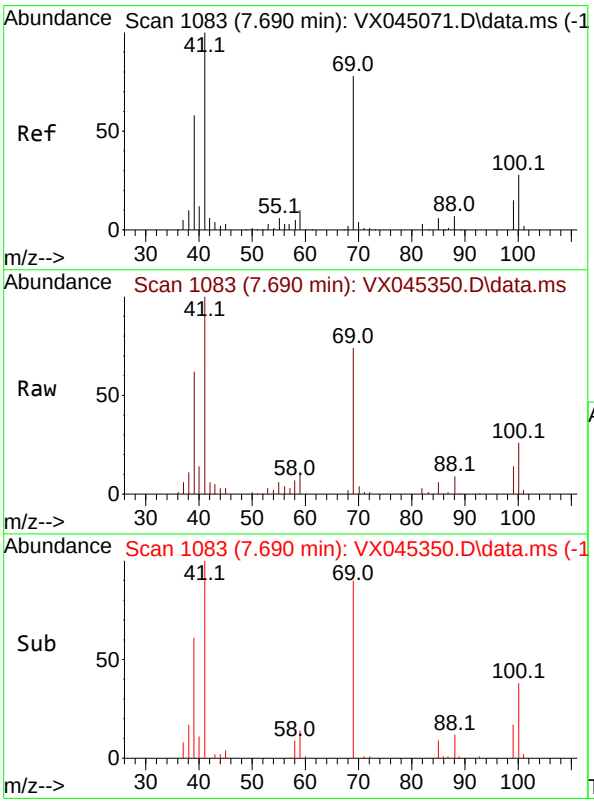
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	8.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

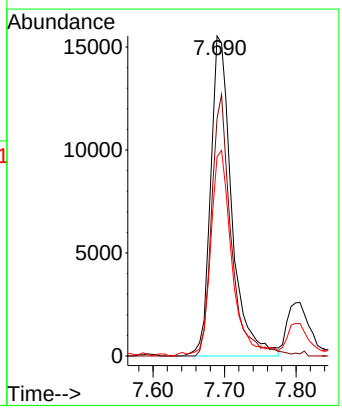
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

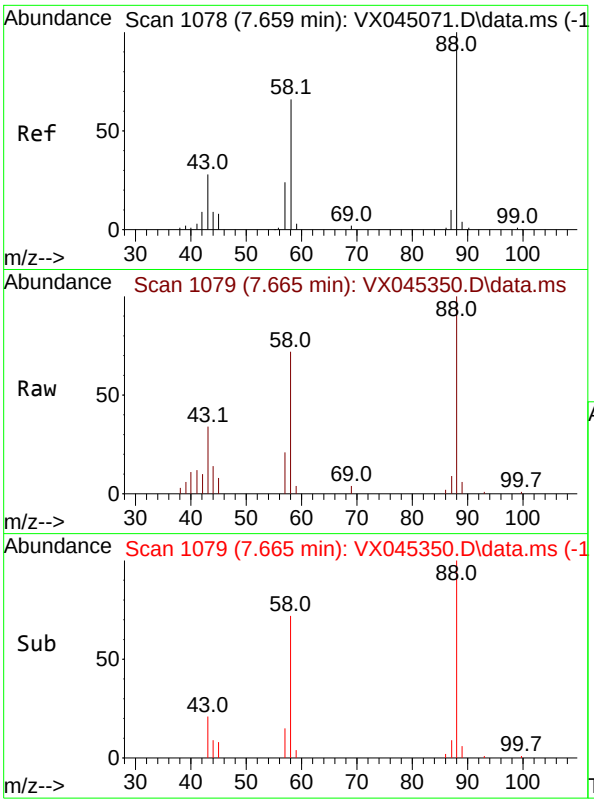


#48
Methyl methacrylate
Concen: 21.528 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 31795

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	62.4	47.5	71.3





#49
1,4-Dioxane
Concen: 373.915 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

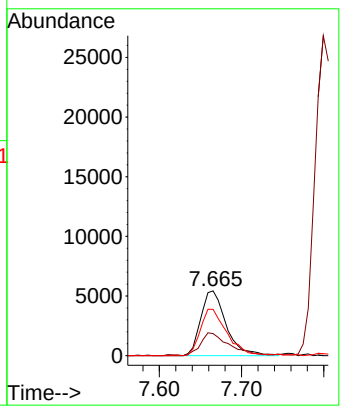
Tgt Ion: 88 Resp: 1164

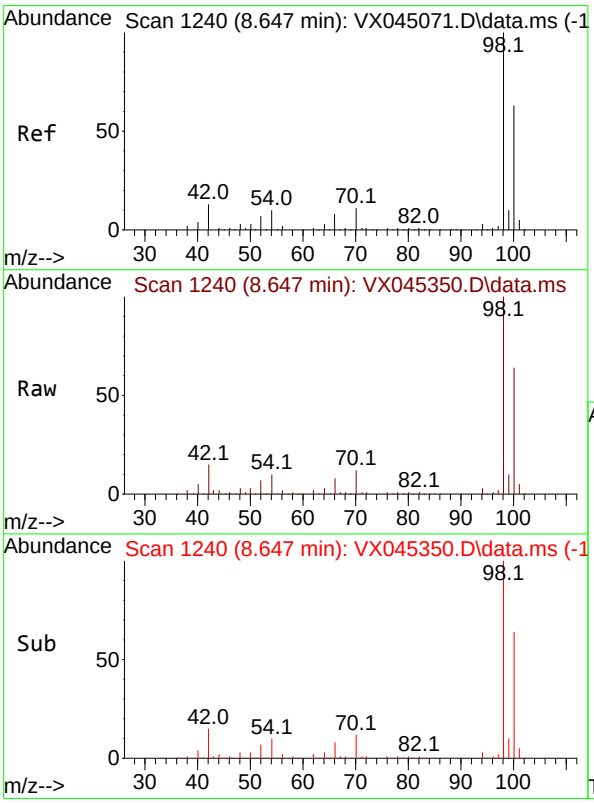
Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	75.6	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

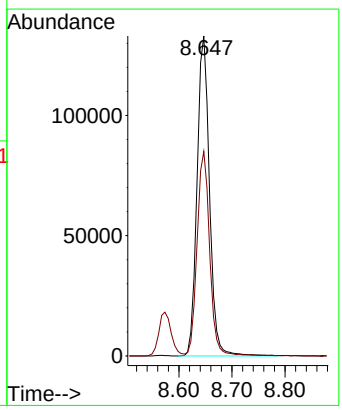


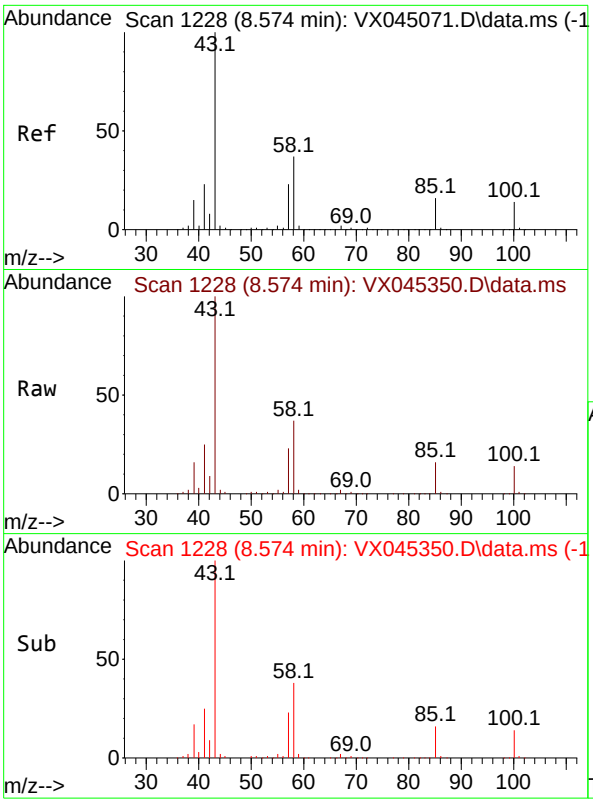


#50
Toluene-d8
Concen: 53.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 98 Resp: 217551

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

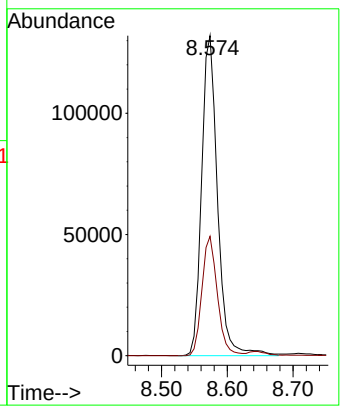




#51
4-Methyl-2-Pentanone
Concen: 112.487 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 22234

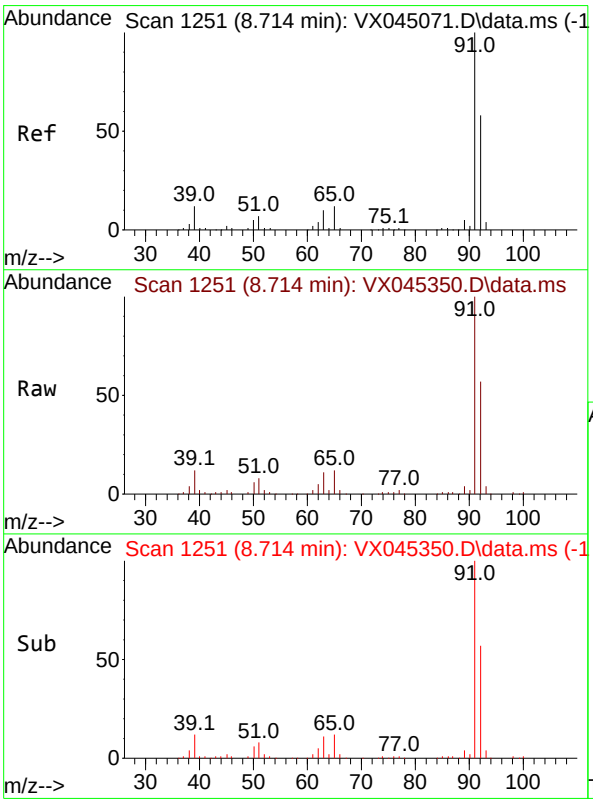
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

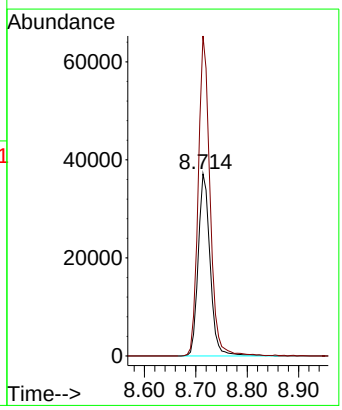
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

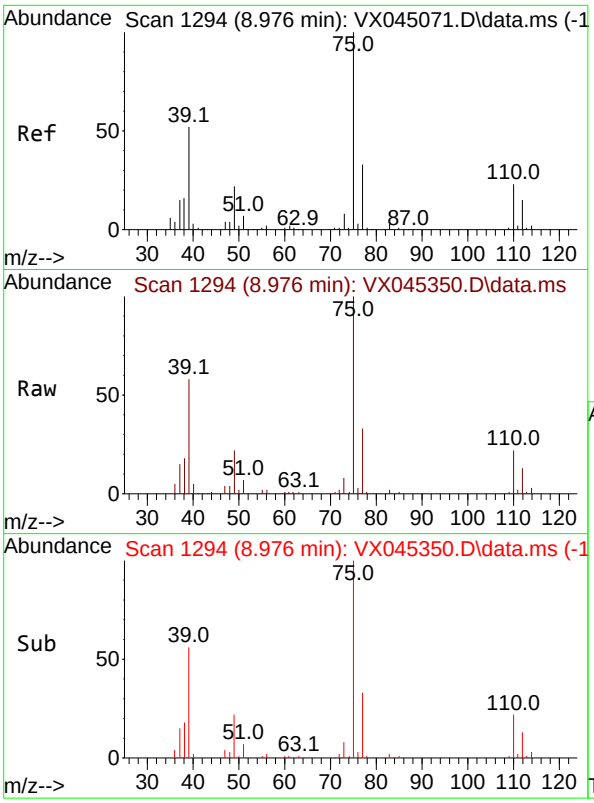


#52
Toluene
Concen: 20.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 92 Resp: 59792

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

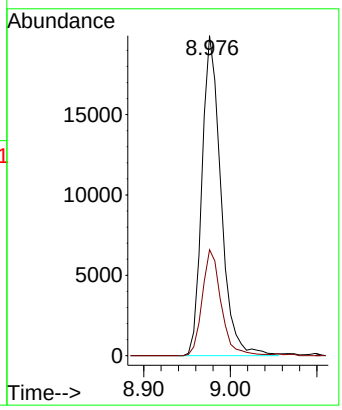




#53
t-1,3-Dichloropropene
Concen: 20.856 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 3032

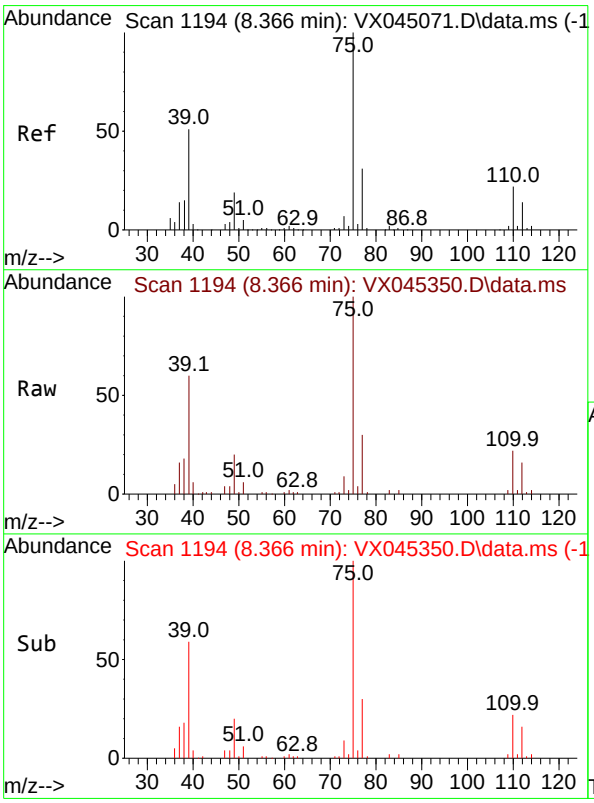
Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

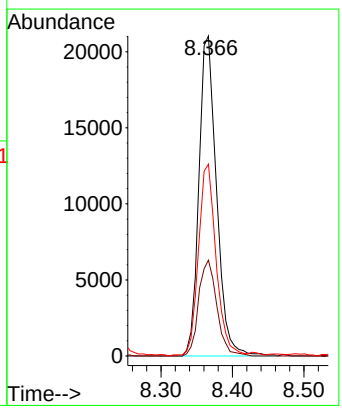
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

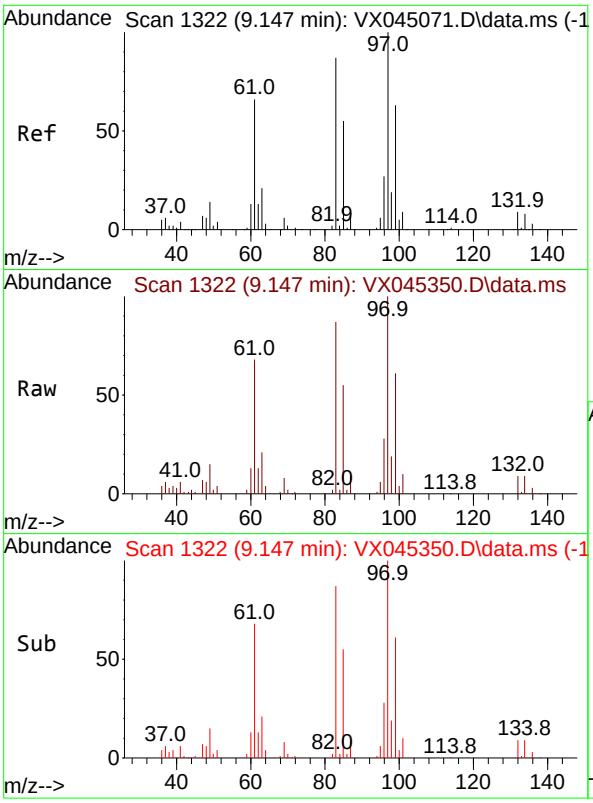


#54
cis-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 36016

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.6	40.7	61.1

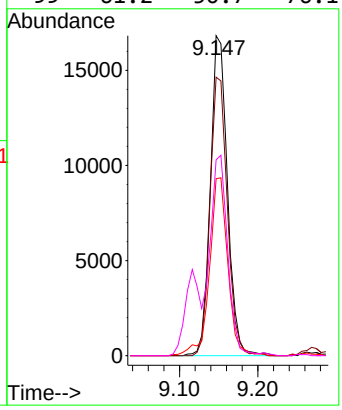




#55
1,1,2-Trichloroethane
Concen: 21.615 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 2547

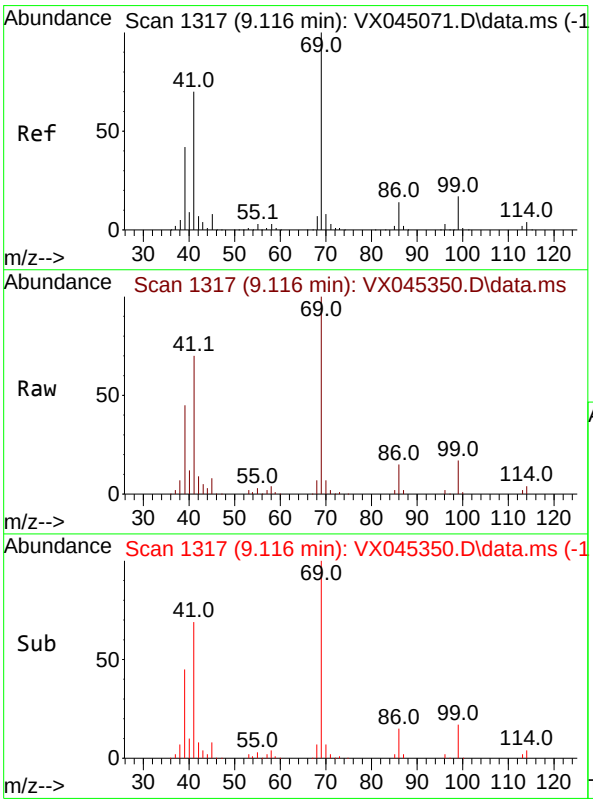
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	55.3	44.1	66.1
99	61.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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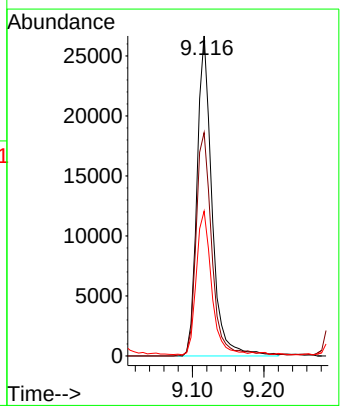
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

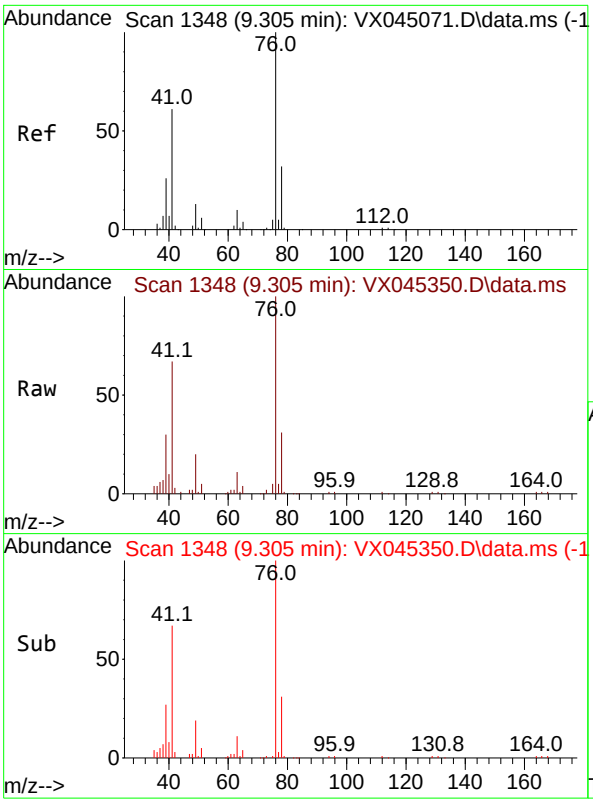


#56
Ethyl methacrylate
Concen: 21.557 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 69 Resp: 38614

Ion	Ratio	Lower	Upper
69	100		
41	74.4	57.0	85.4
39	45.4	34.2	51.4

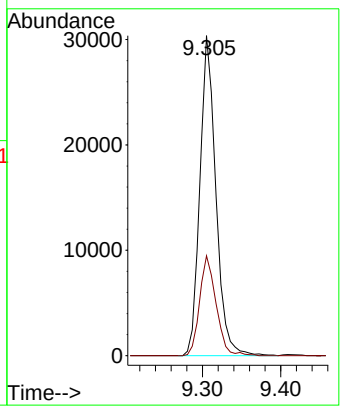




#57
1,3-Dichloropropane
Concen: 21.077 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 76 Resp: 4298

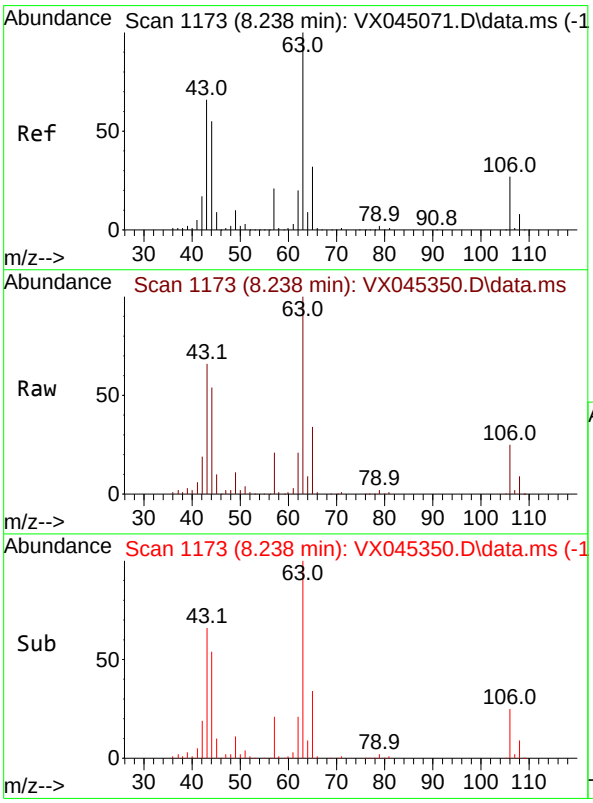
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

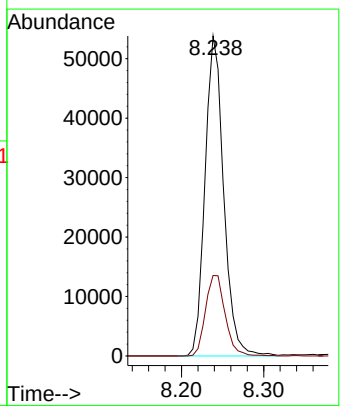
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

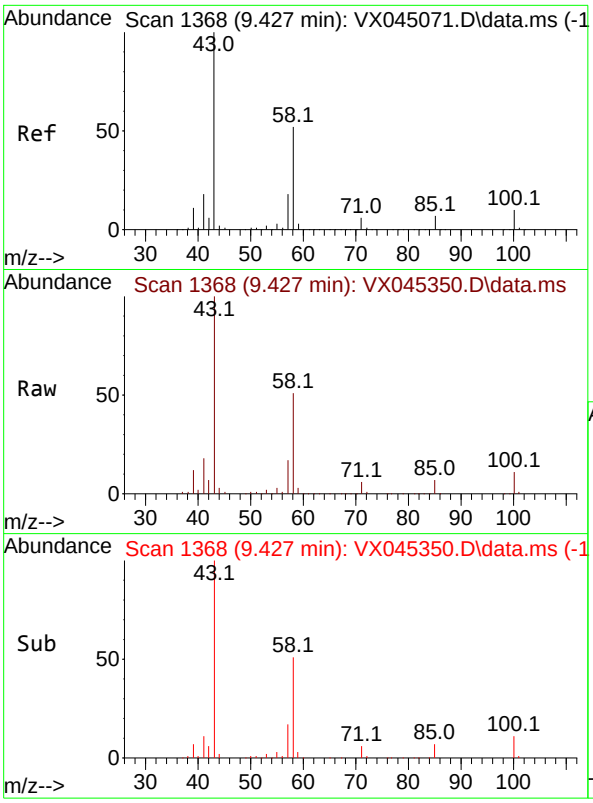


#58
2-Chloroethyl Vinyl ether
Concen: 97.136 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 84877

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

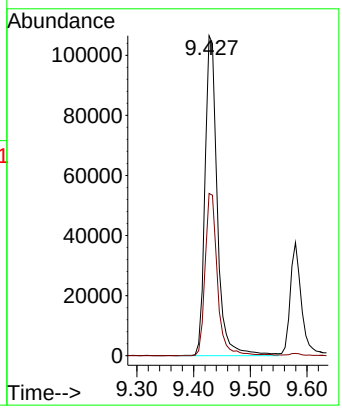




#59
2-Hexanone
Concen: 112.560 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 16120

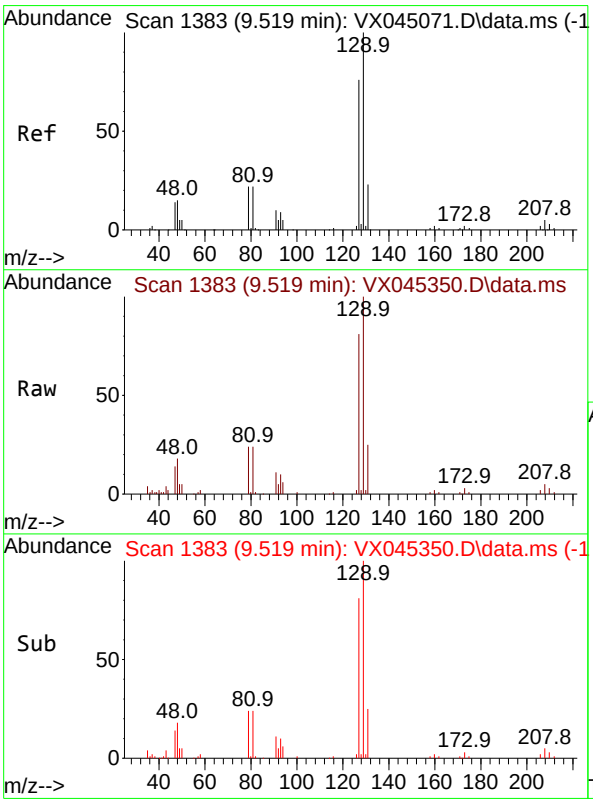
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

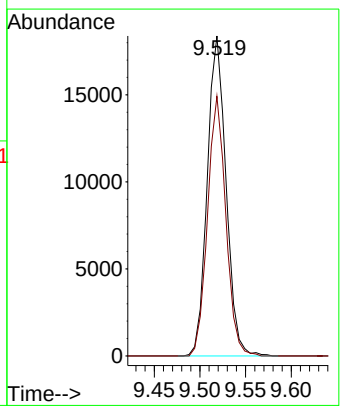
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

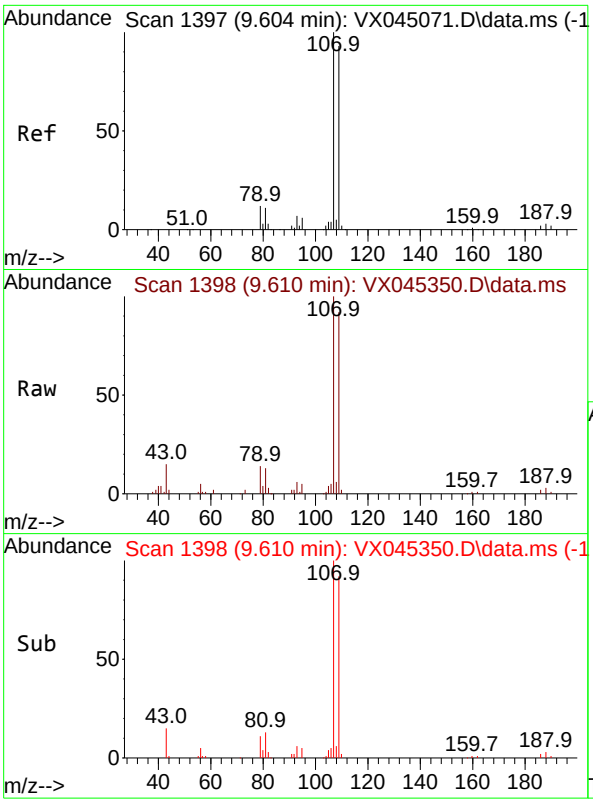


#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:129 Resp: 26339

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.5	115.5

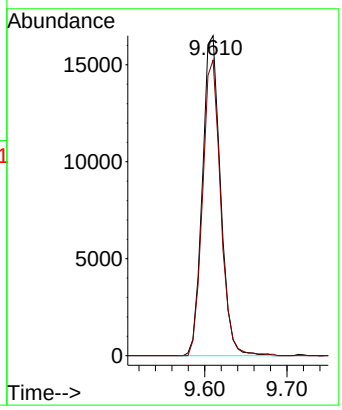




#61
1,2-Dibromoethane
Concen: 21.403 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:107 Resp: 2517

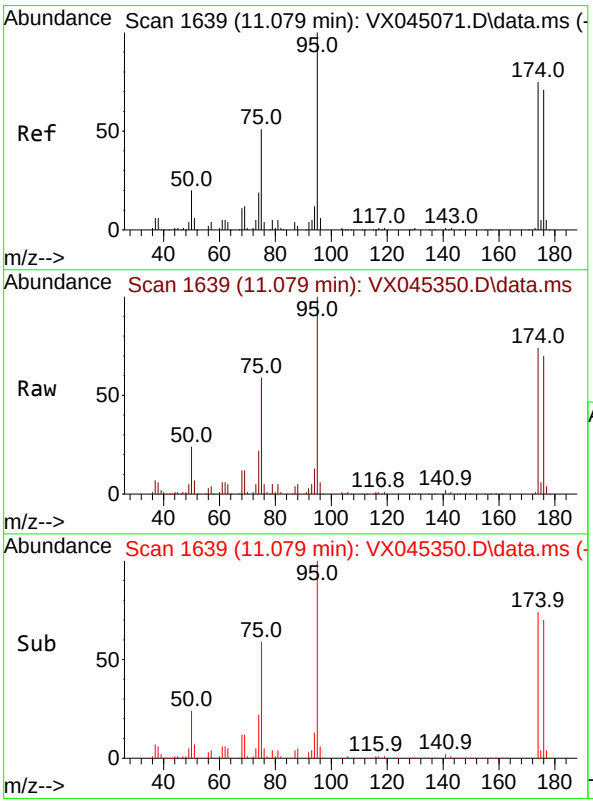
Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

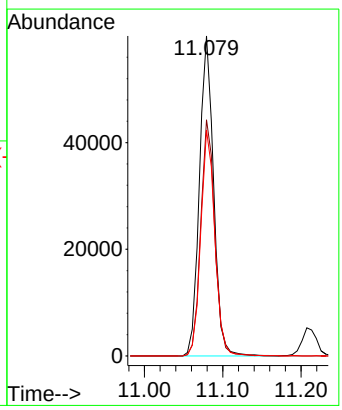
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

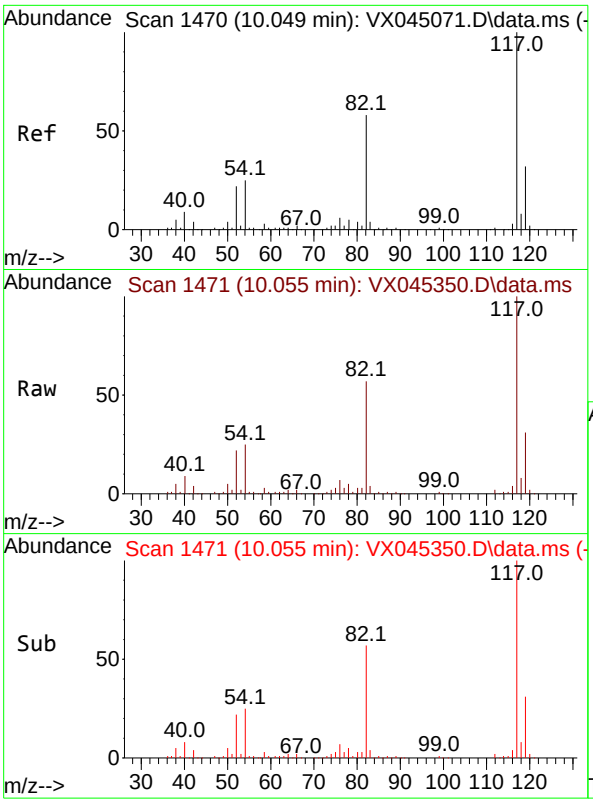


#62
4-Bromofluorobenzene
Concen: 55.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 95 Resp: 75333

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	70.2	0.0	141.4

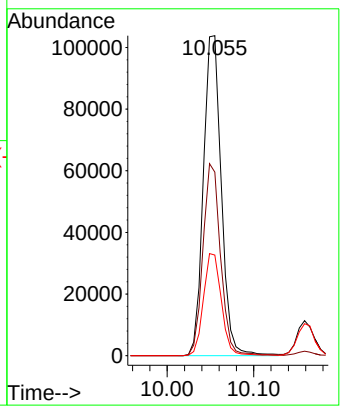




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 14949

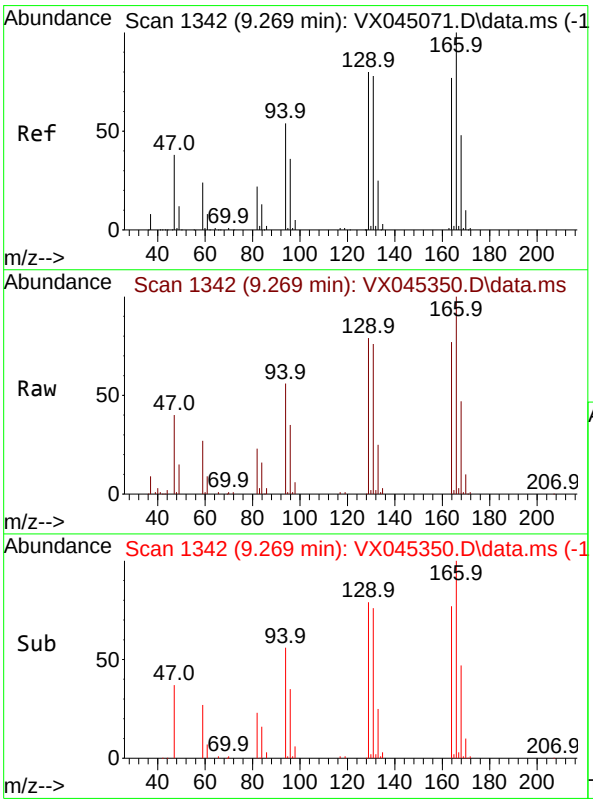
Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.5	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

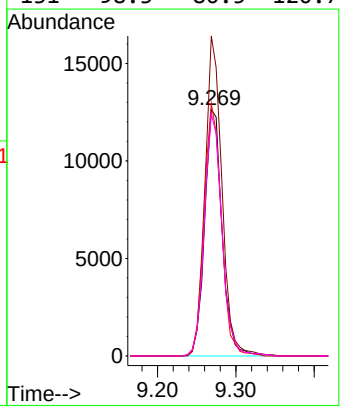
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

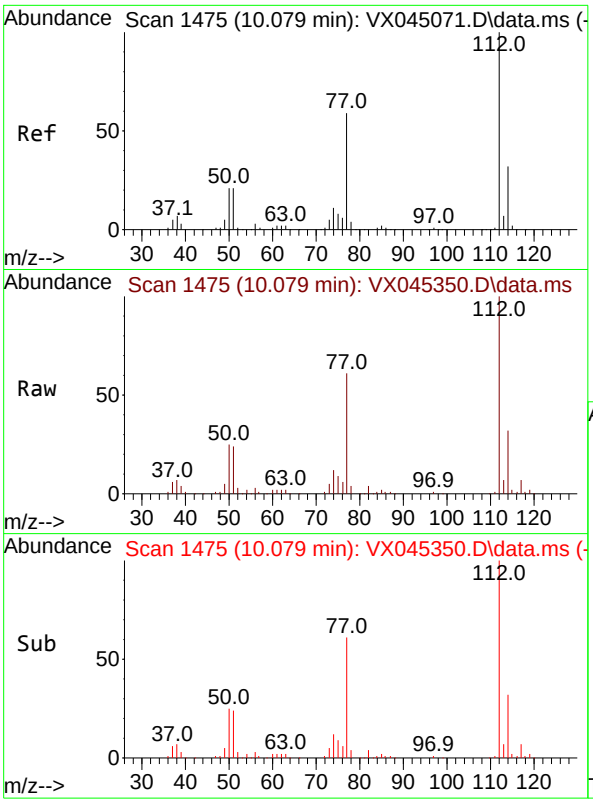


#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:164 Resp: 19550

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	102.5	82.7	124.1
131	98.3	80.5	120.7

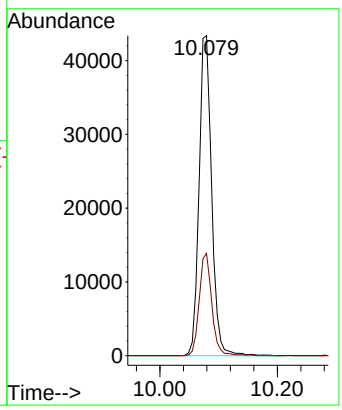




#65
Chlorobenzene
Concen: 20.437 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:112 Resp: 6464

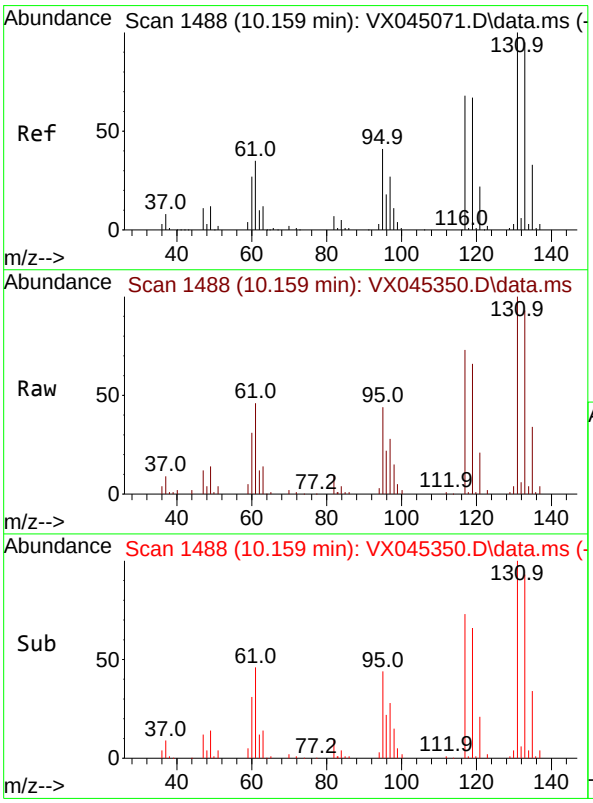
Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

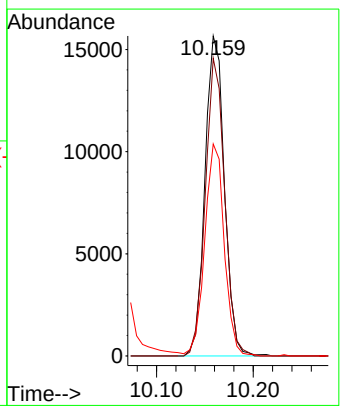
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

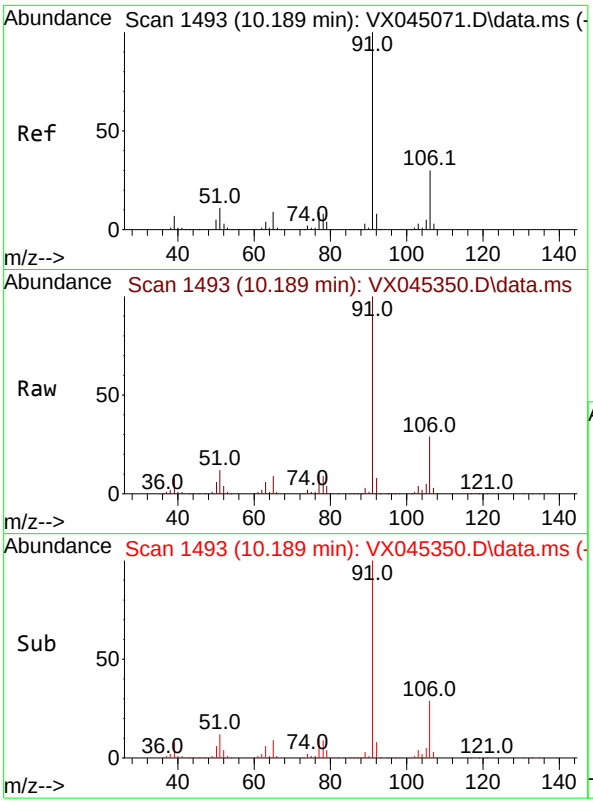


#66
1,1,1,2-Tetrachloroethane
Concen: 20.749 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:131 Resp: 21858

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.5	33.9	101.7





#67
Ethyl Benzene
Concen: 20.445 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

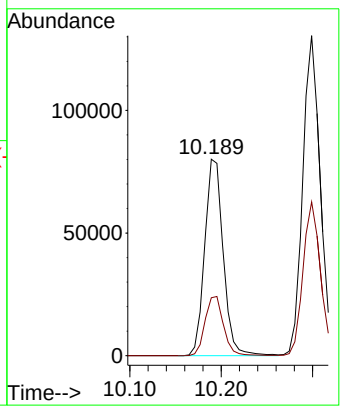
Tgt Ion: 91 Resp: 11269

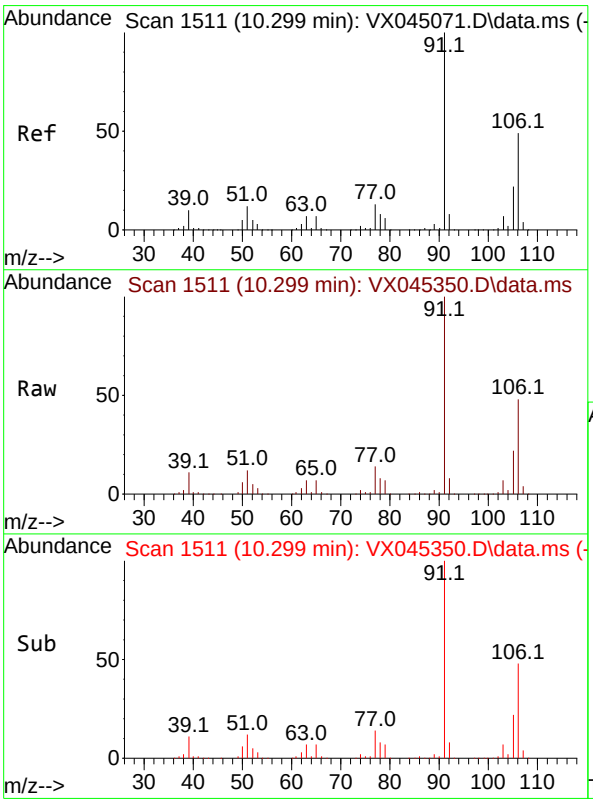
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

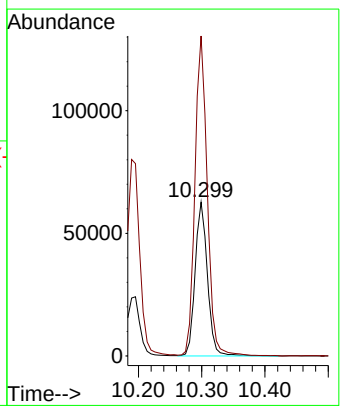


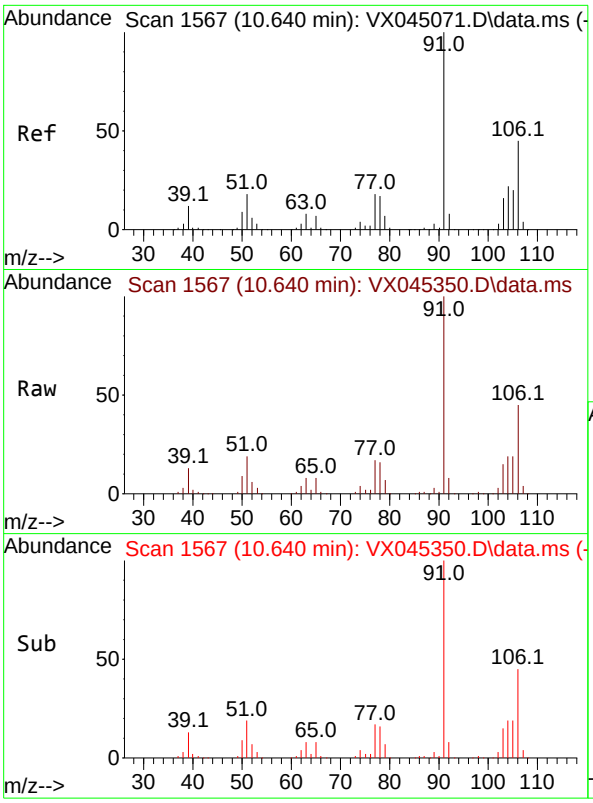


#68
m/p-Xylenes
Concen: 42.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 85116

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0

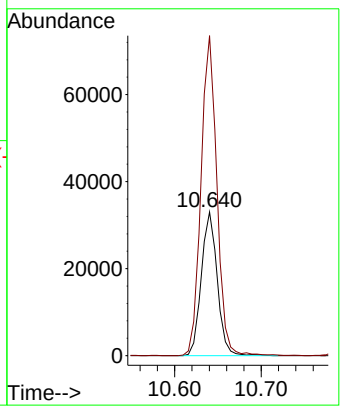




#69
o-Xylene
Concen: 20.699 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 4212

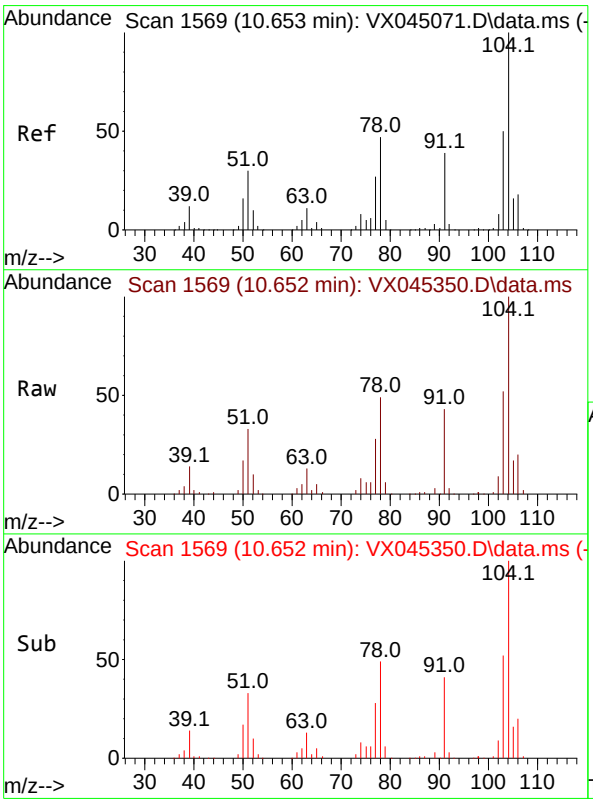
Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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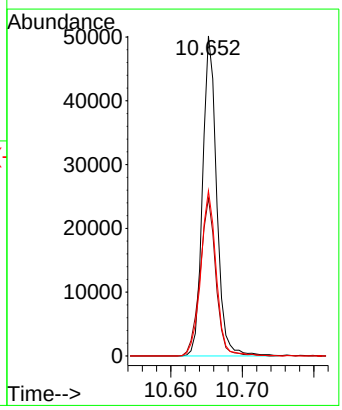
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

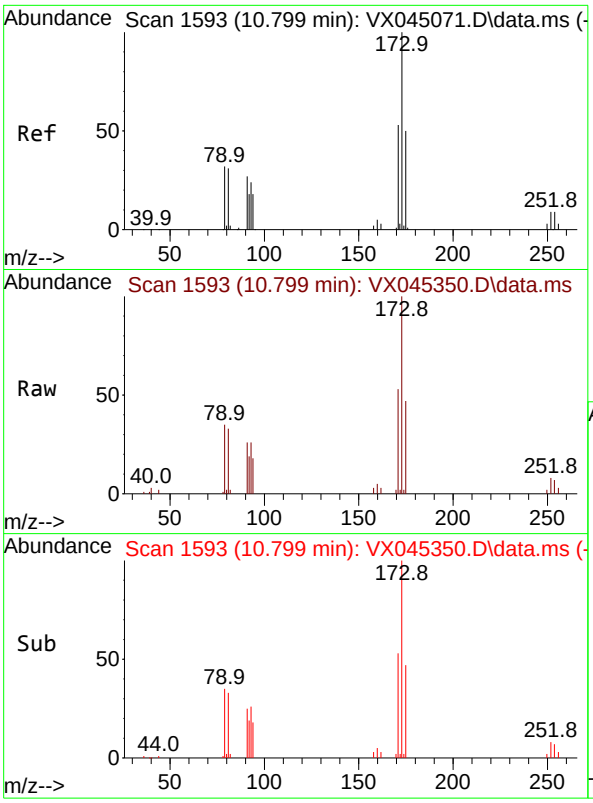


#70
Styrene
Concen: 20.888 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:104 Resp: 68782

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	56.5	43.8	65.8

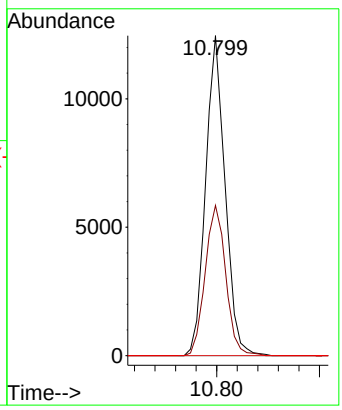




#71
Bromoform
Concen: 20.565 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:173 Resp: 1633

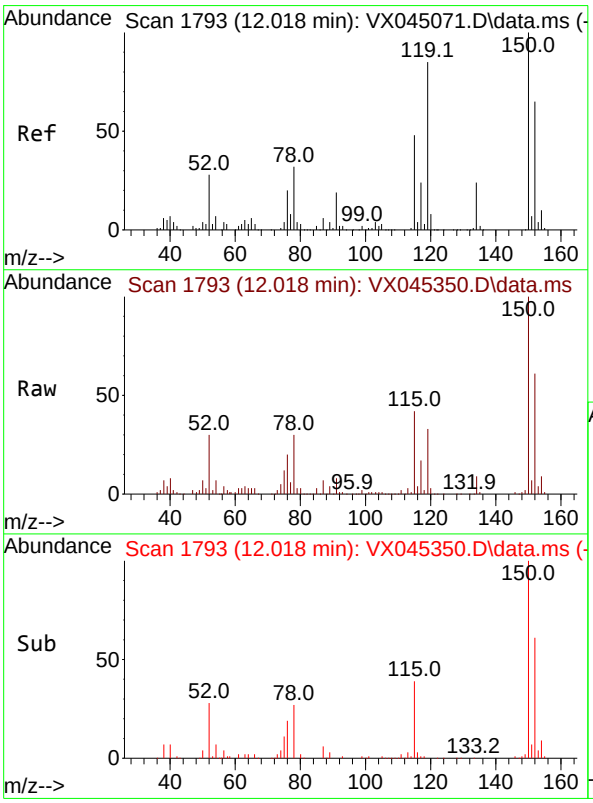
Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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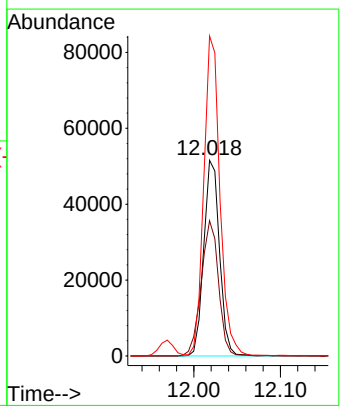
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

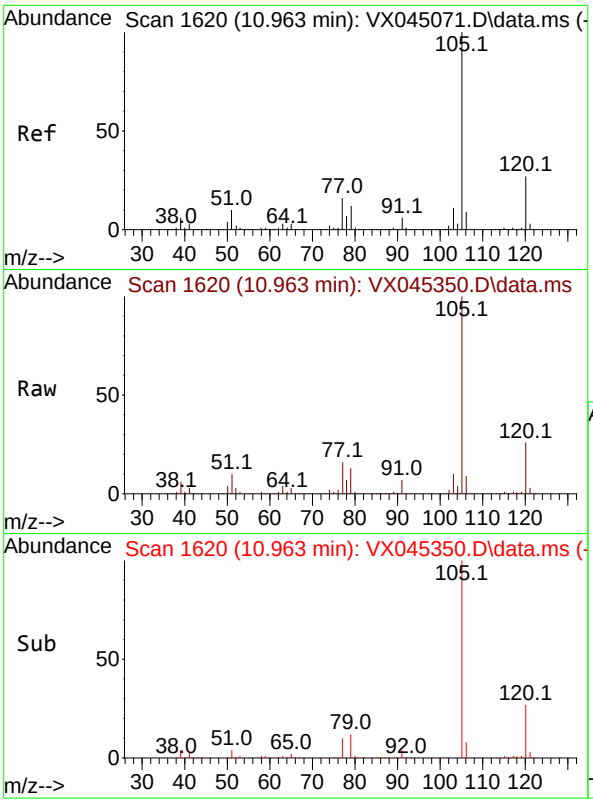


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:152 Resp: 65210

Ion	Ratio	Lower	Upper
152	100		
115	75.6	44.2	132.6
150	167.0	0.0	349.0

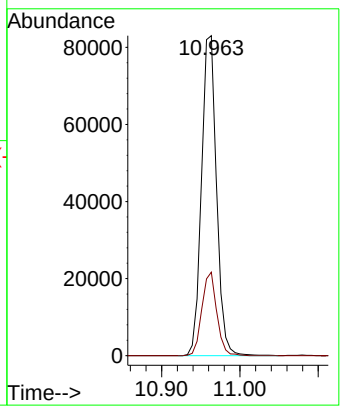




#73
Isopropylbenzene
Concen: 21.707 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 11048

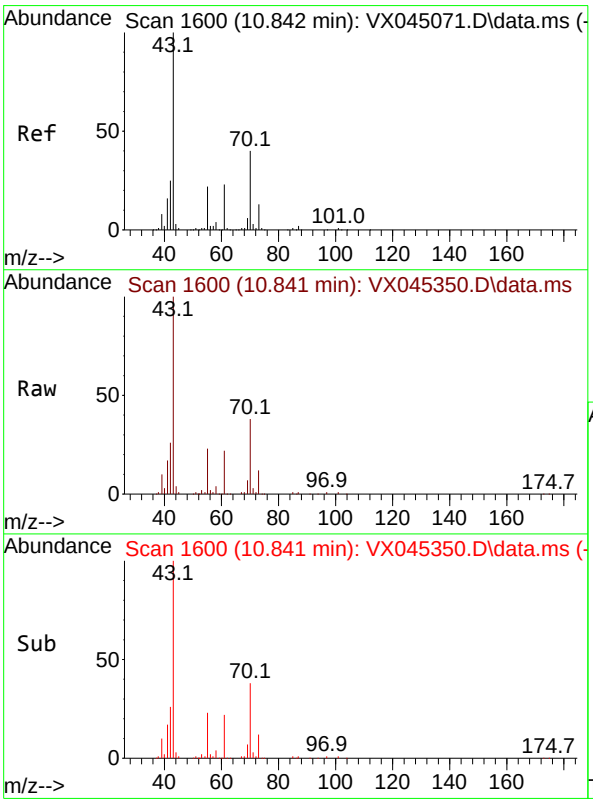
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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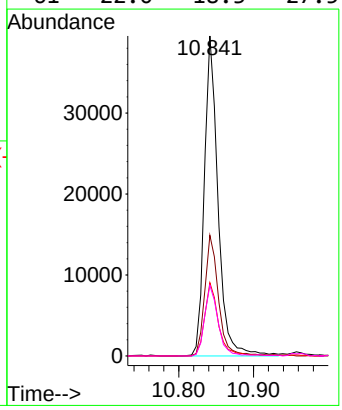
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

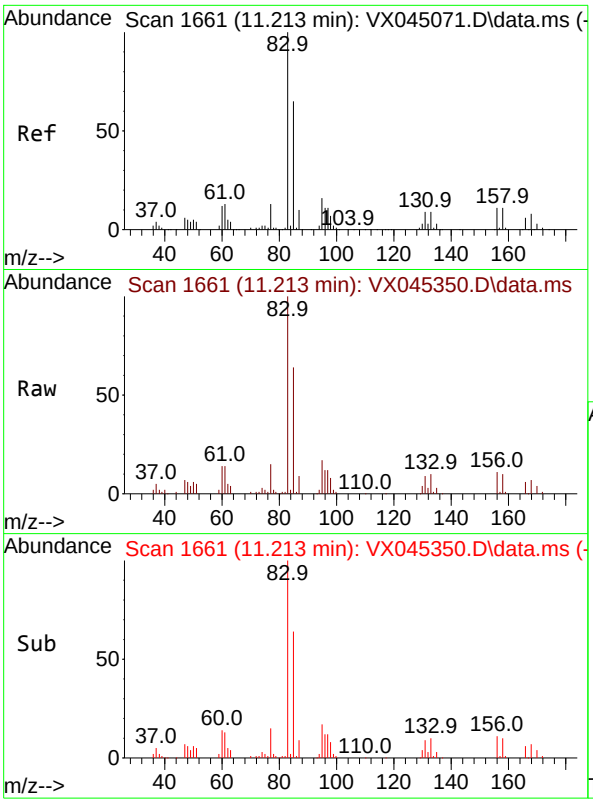


#74
N-amyl acetate
Concen: 20.996 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 50145

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	23.2	18.3	27.5
61	22.0	18.3	27.5

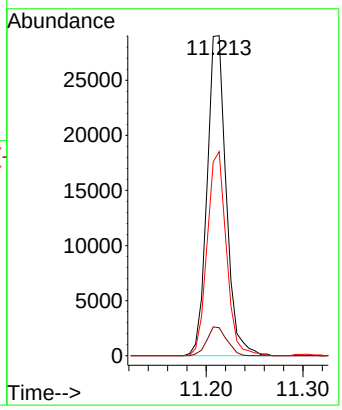




#75
1,1,2,2-Tetrachloroethane
Concen: 21.363 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3990

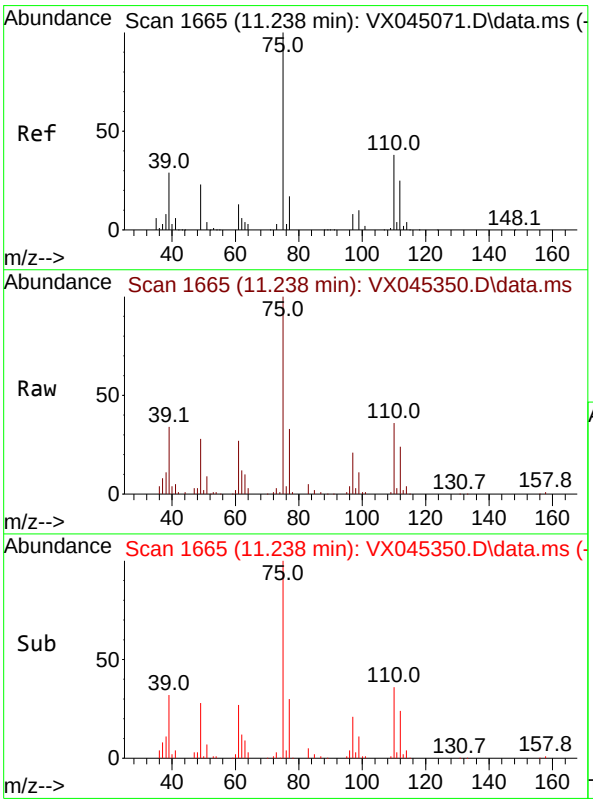
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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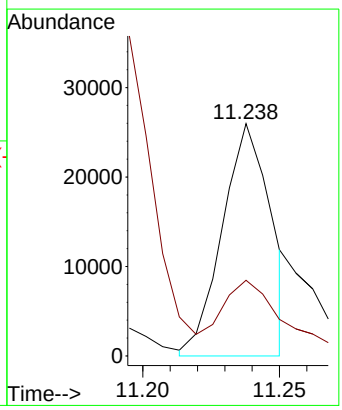
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

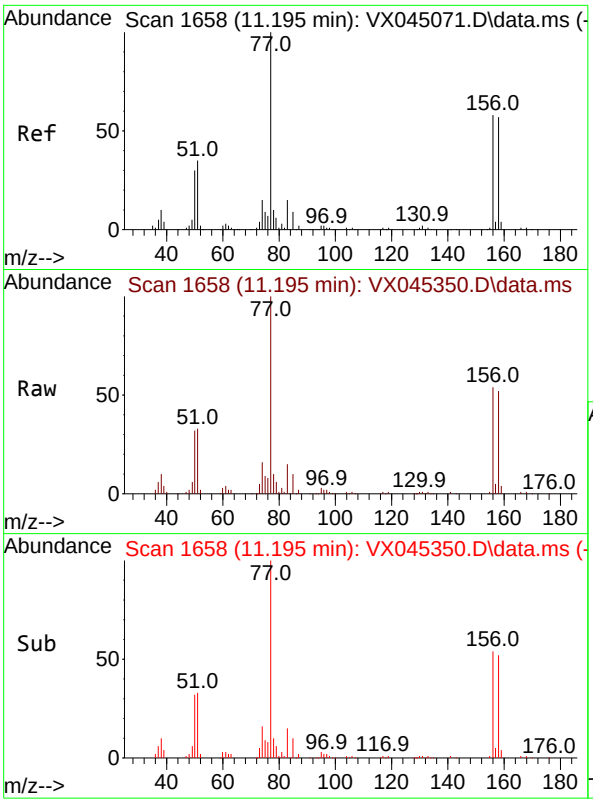


#76
1,2,3-Trichloropropane
Concen: 21.194 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 32167

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.7	62.1

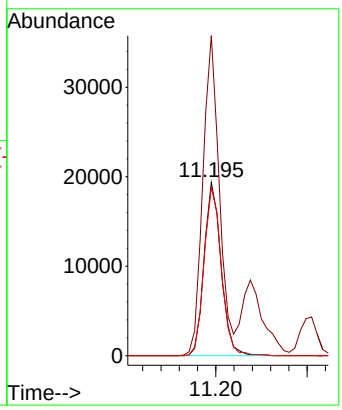




#77
Bromobenzene
Concen: 20.758 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:156 Resp: 2492

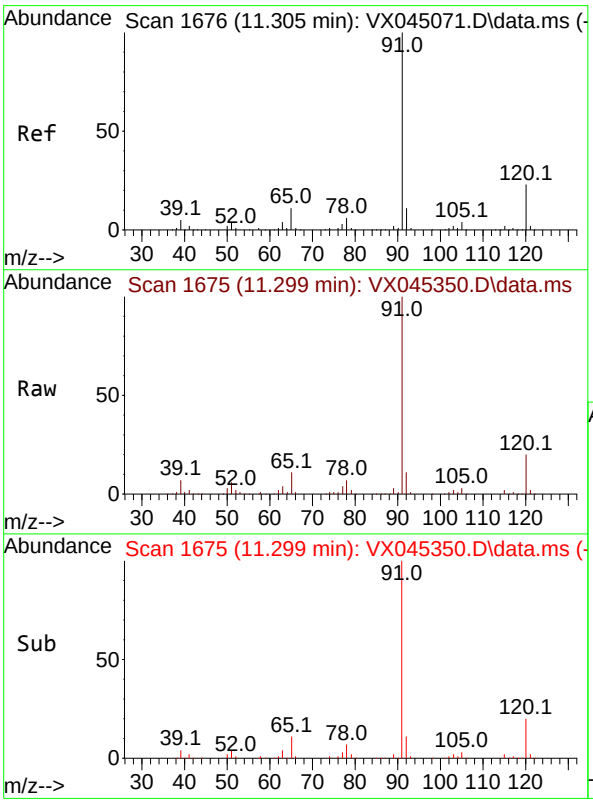
Ion	Ratio	Lower	Upper
156	100		
77	179.0	85.8	257.4
158	98.4	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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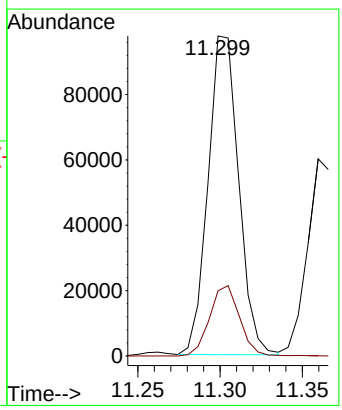
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

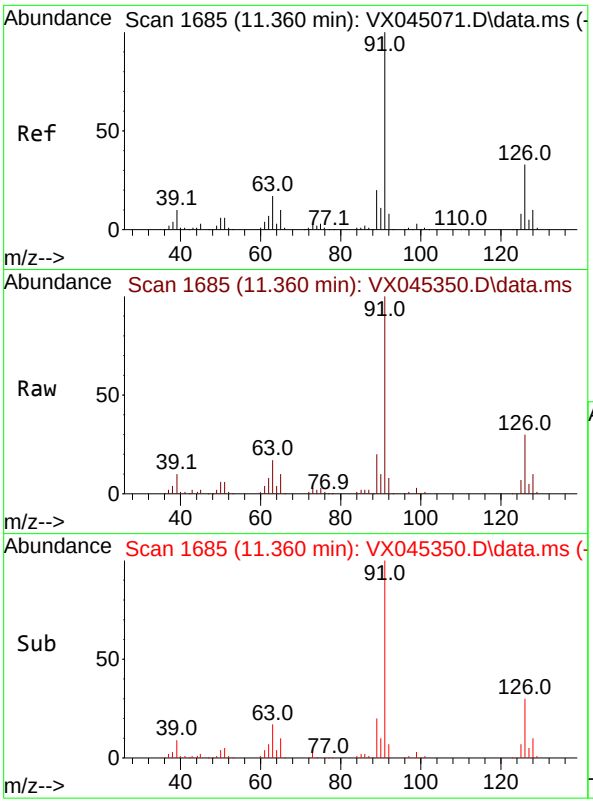


#78
n-propylbenzene
Concen: 22.004 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 126518

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

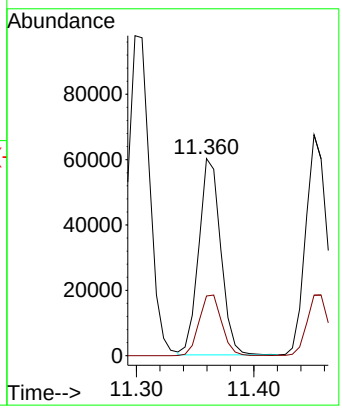




#79
2-Chlorotoluene
Concen: 21.386 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 7831

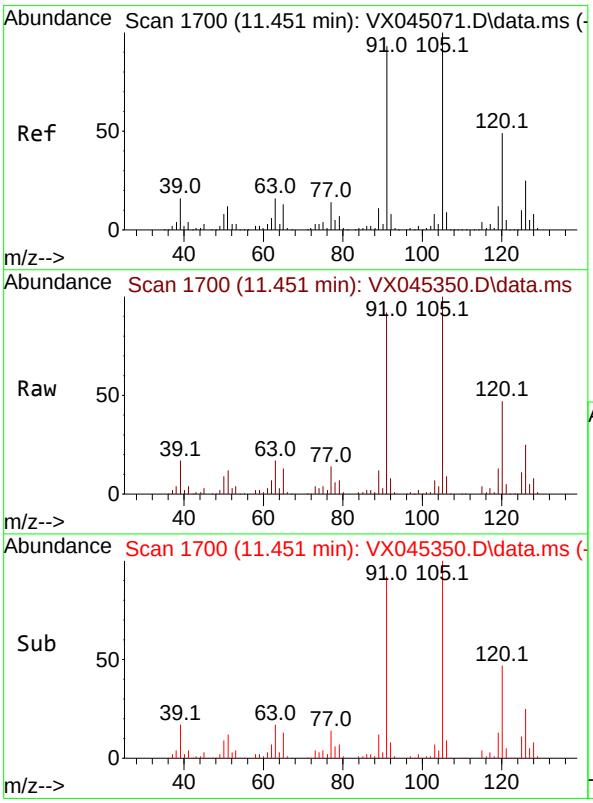
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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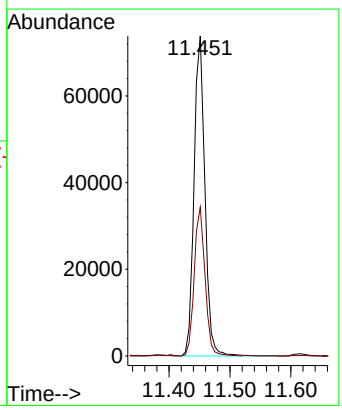
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

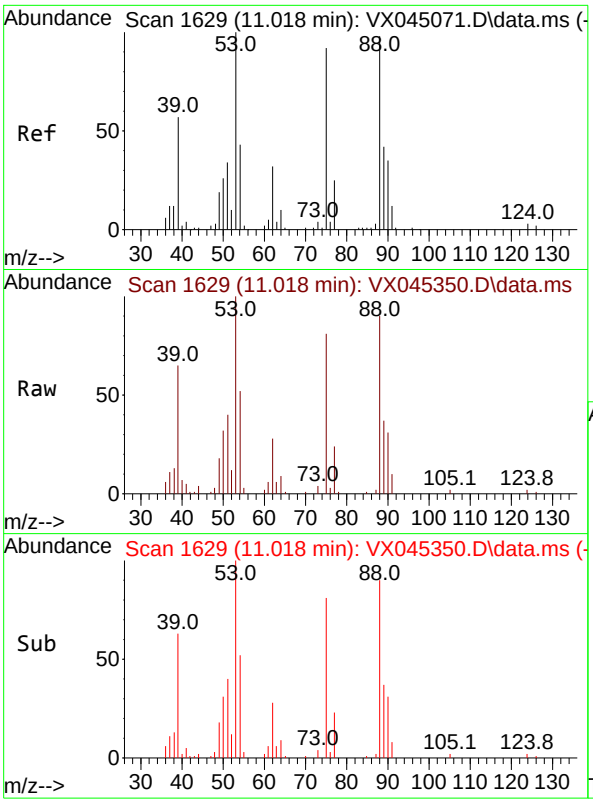


#80
1,3,5-Trimethylbenzene
Concen: 22.175 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 91263

Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 20.800 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

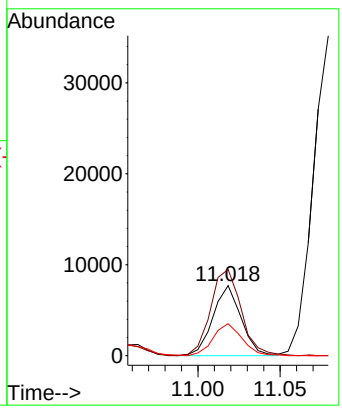
Tgt Ion: 75 Resp: 922

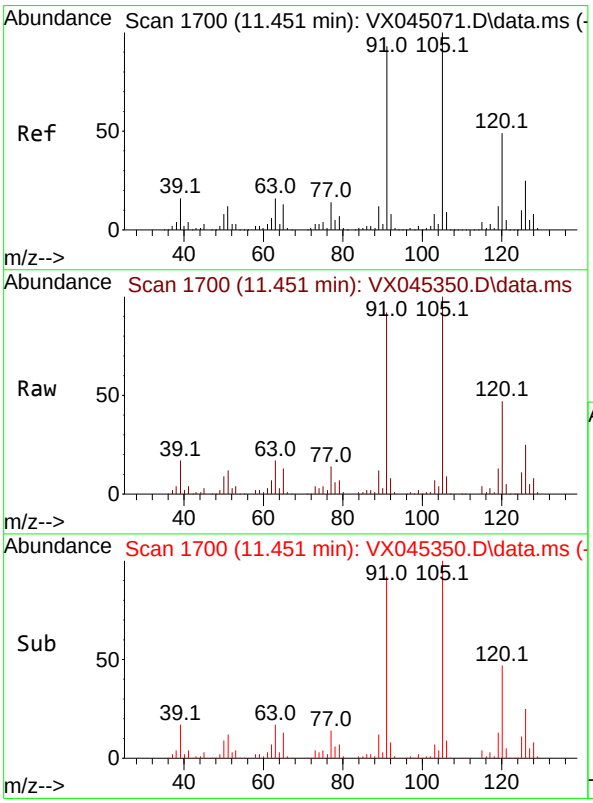
Ion	Ratio	Lower	Upper
75	100		
53	133.1	88.5	132.7#
89	46.5	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

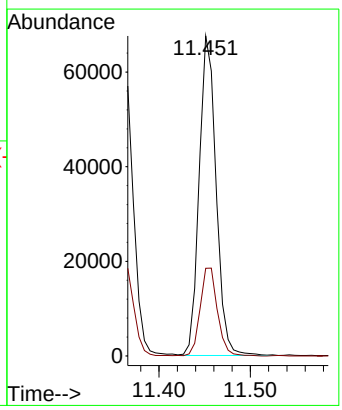


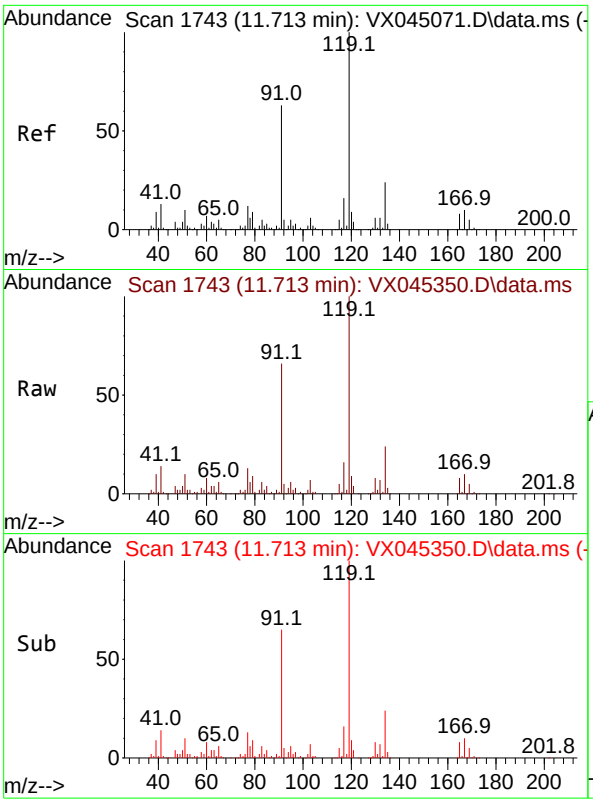


#82
4-Chlorotoluene
Concen: 21.721 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 86685

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4

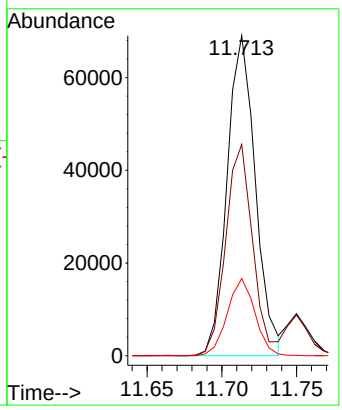




#83
tert-Butylbenzene
Concen: 21.535 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 9106

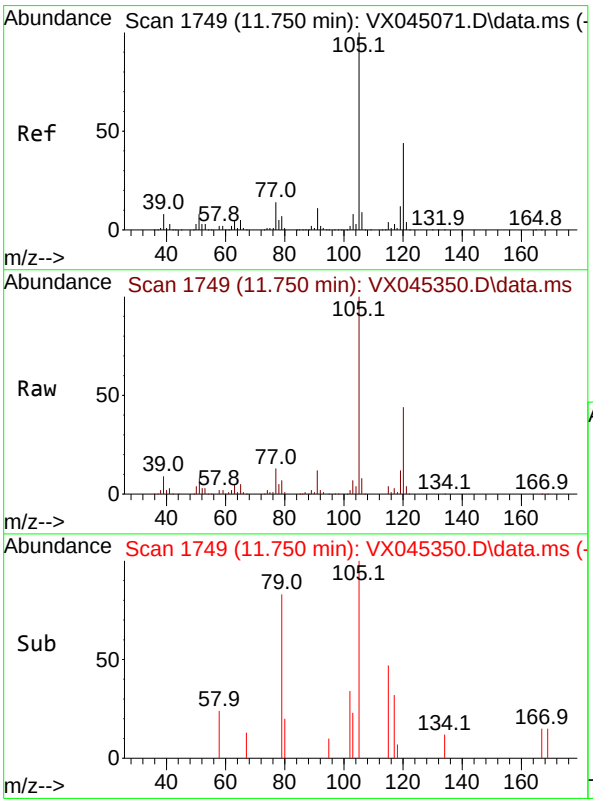
Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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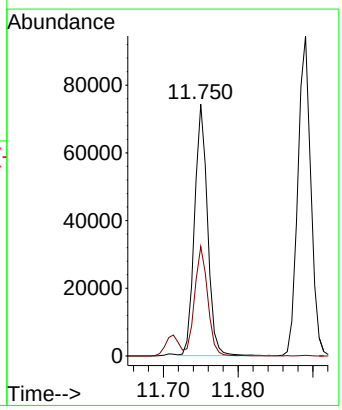
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

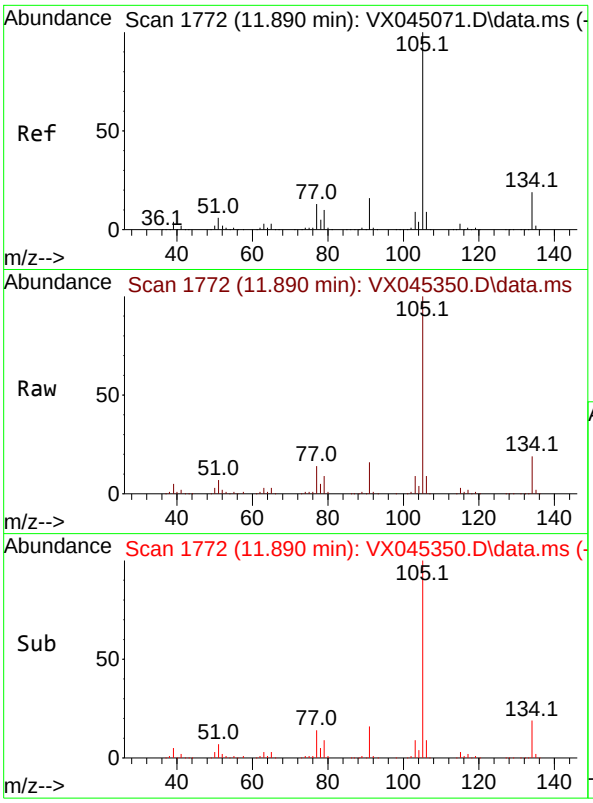


#84
1,2,4-Trimethylbenzene
Concen: 21.617 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 89517

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 22.499 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

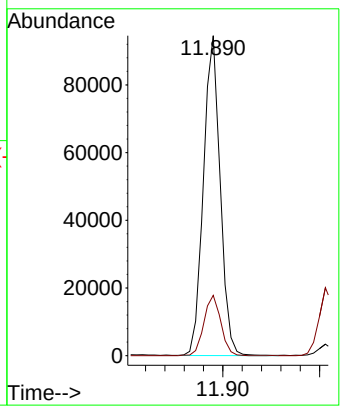
Tgt Ion:105 Resp: 11396

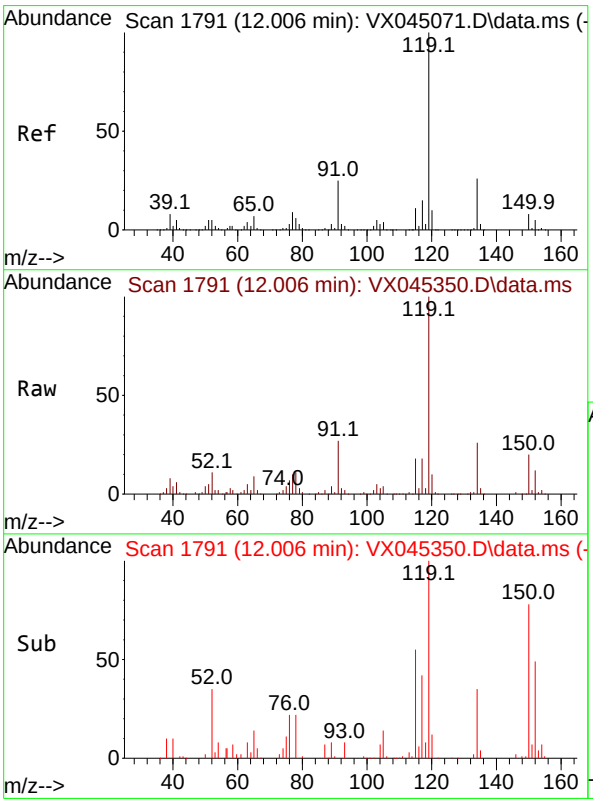
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

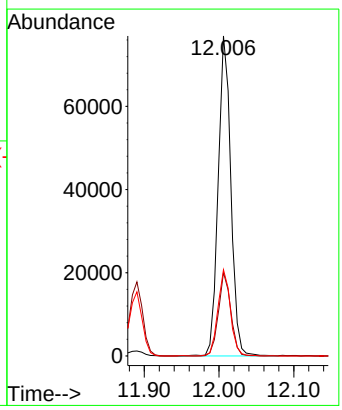


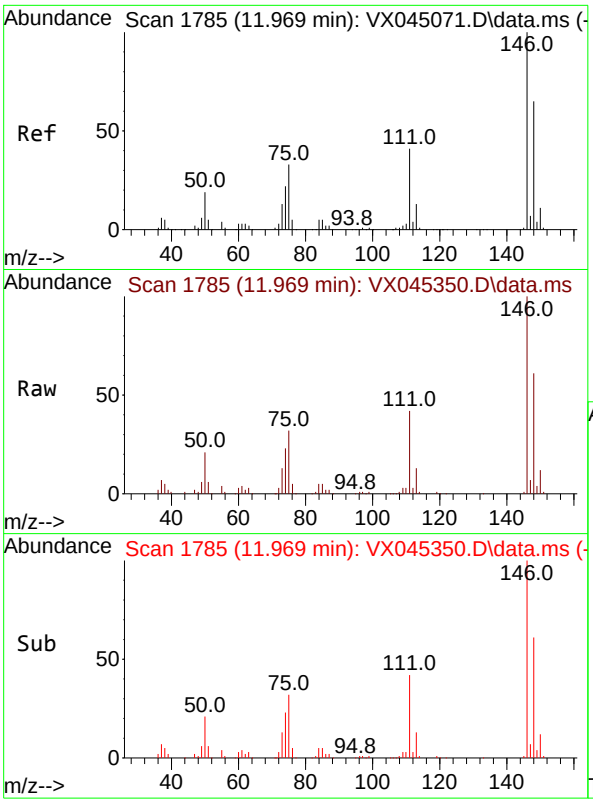


#86
p-Isopropyltoluene
Concen: 22.123 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 90559

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.7	12.7	38.0

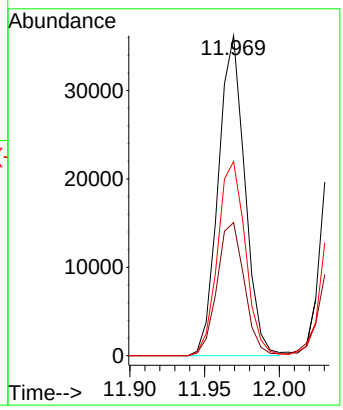




#87
1,3-Dichlorobenzene
Concen: 20.853 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 4467

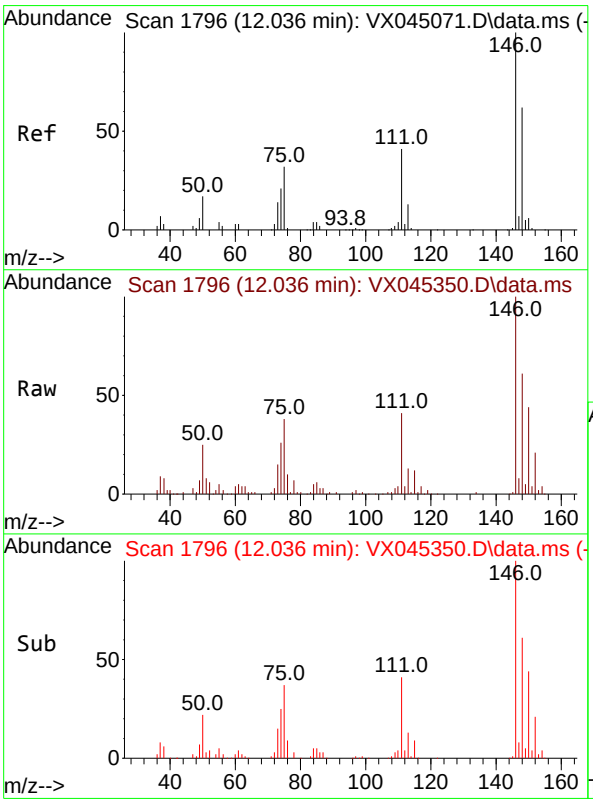
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

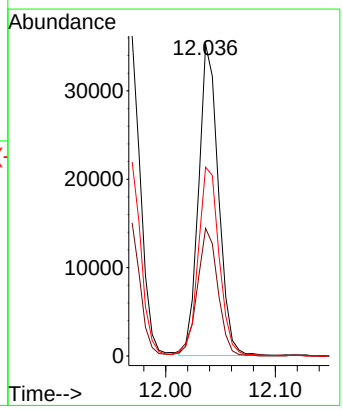
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

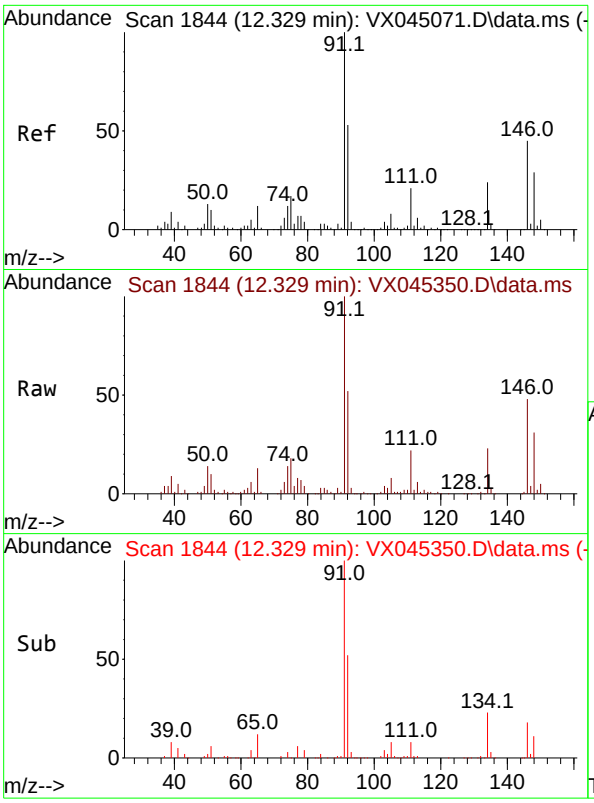


#88
1,4-Dichlorobenzene
Concen: 20.434 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 44289

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.2	60.5
148	63.9	31.9	95.9

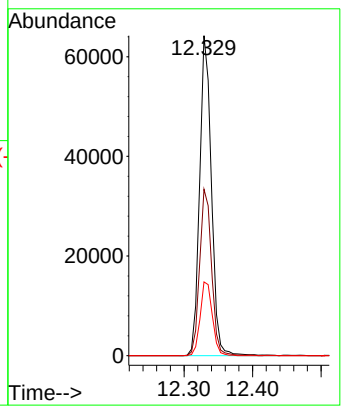




#89
n-Butylbenzene
Concen: 21.789 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 7681

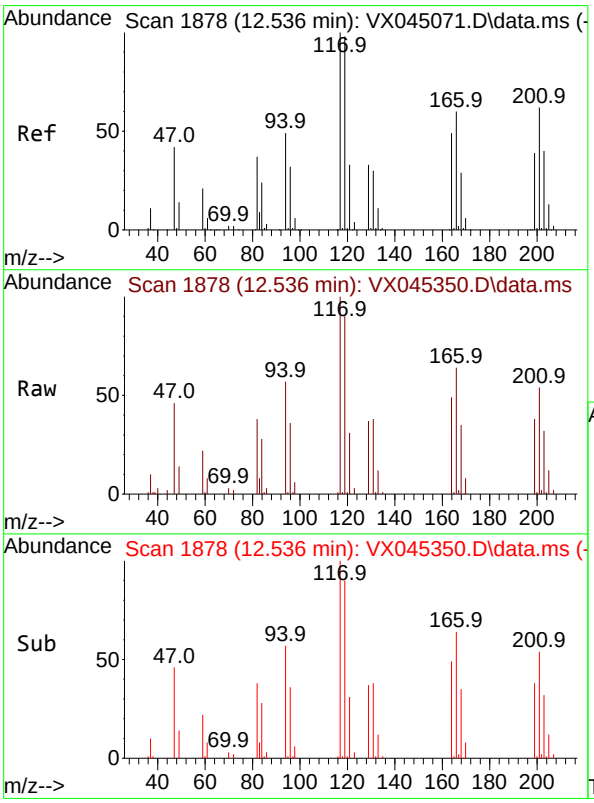
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.0
134	23.8	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

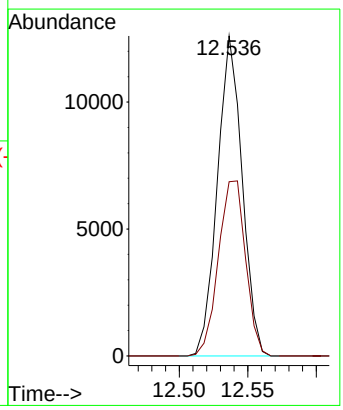
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

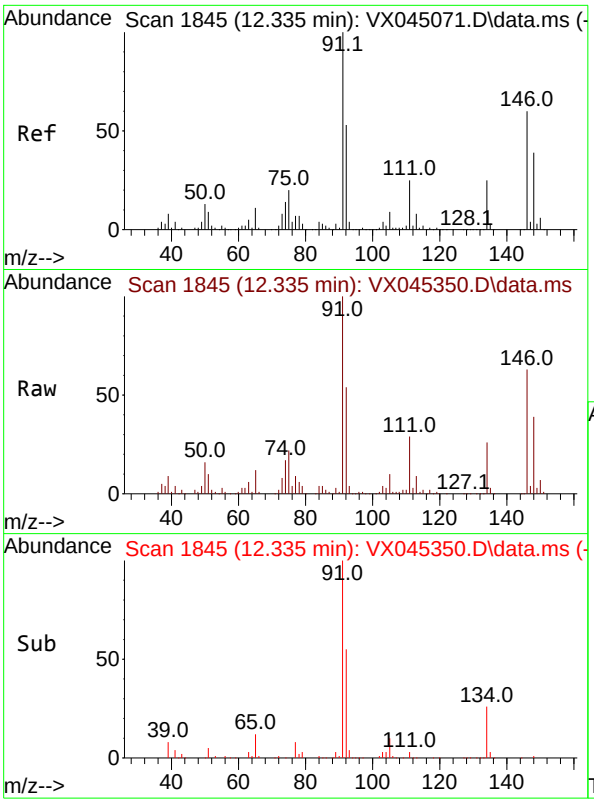


#90
Hexachloroethane
Concen: 21.372 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 15824

Ion	Ratio	Lower	Upper
117	100		
201	60.3	31.9	95.9

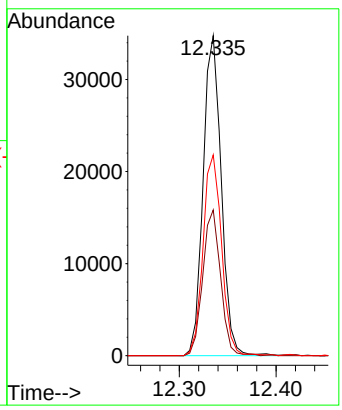




#91
1,2-Dichlorobenzene
Concen: 21.144 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 4544

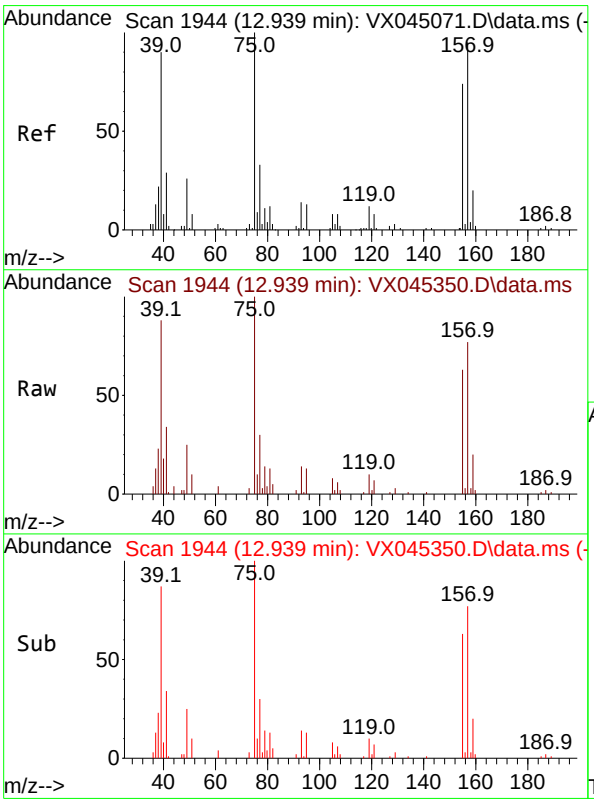
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	64.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

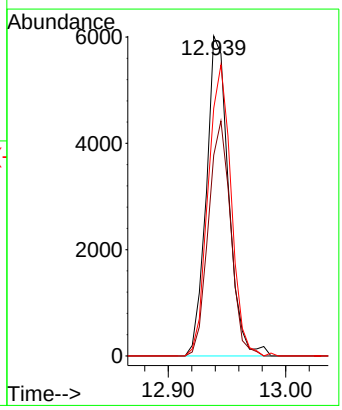
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

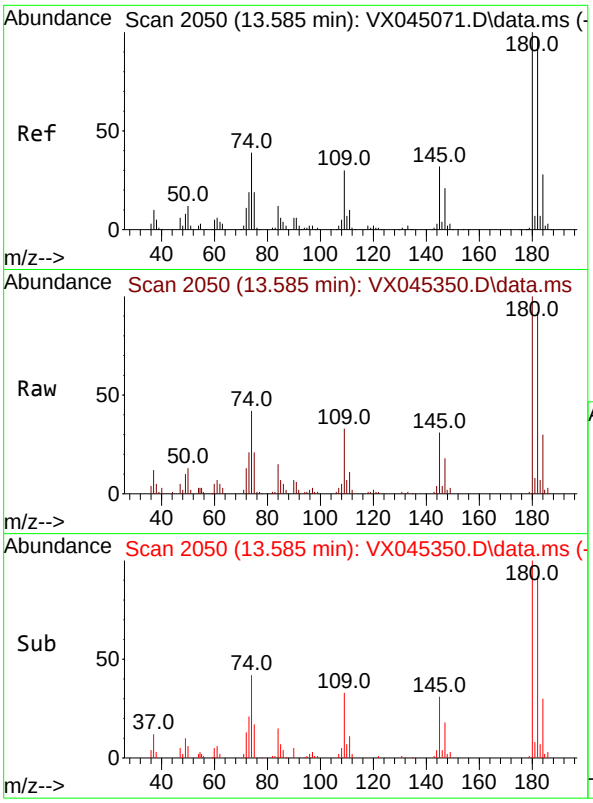


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.774 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 7923

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	94.3	51.1	153.4

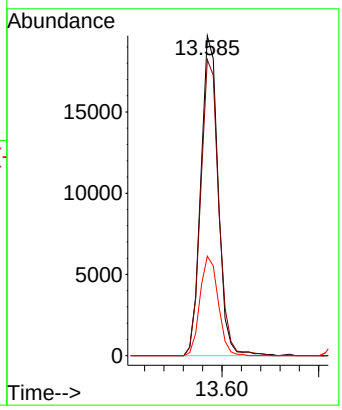




#93
1,2,4-Trichlorobenzene
Concen: 20.027 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 2450

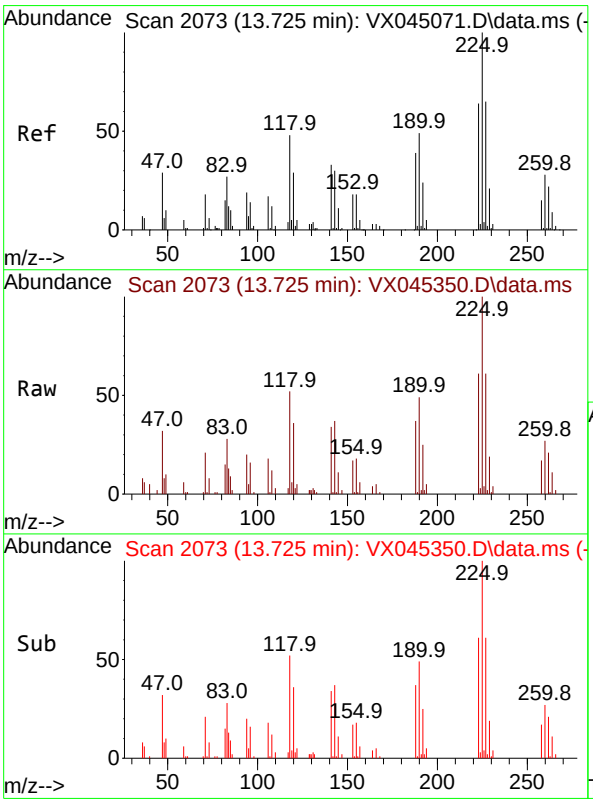
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

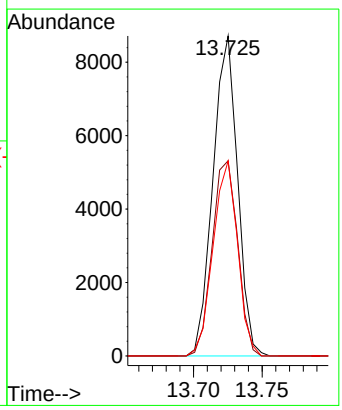
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

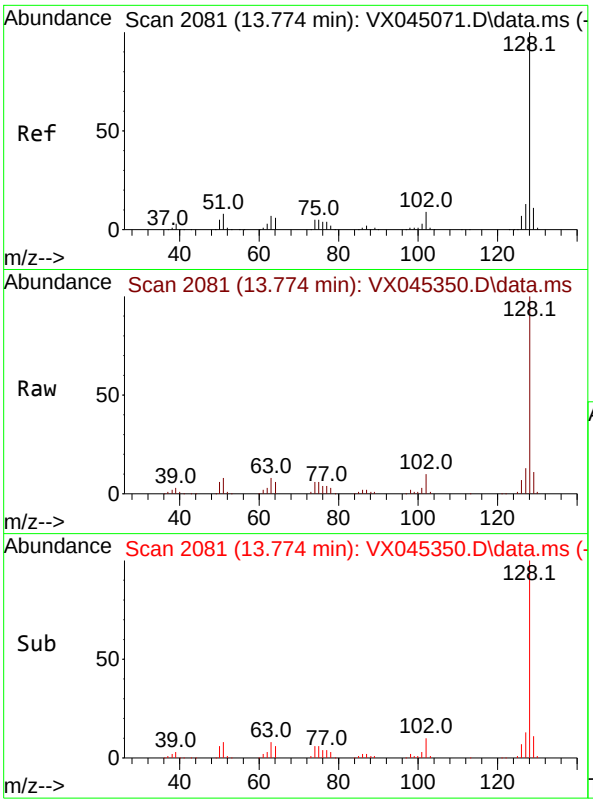


#94
Hexachlorobutadiene
Concen: 21.692 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:225 Resp: 10883

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	60.5	31.4	94.0

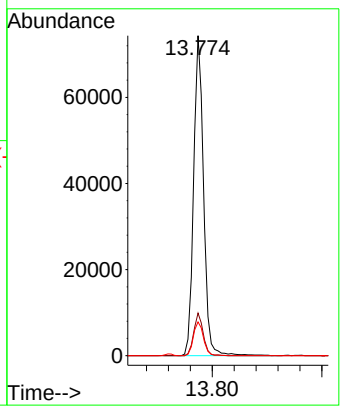




#95
Naphthalene
Concen: 20.032 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:128 Resp: 9418

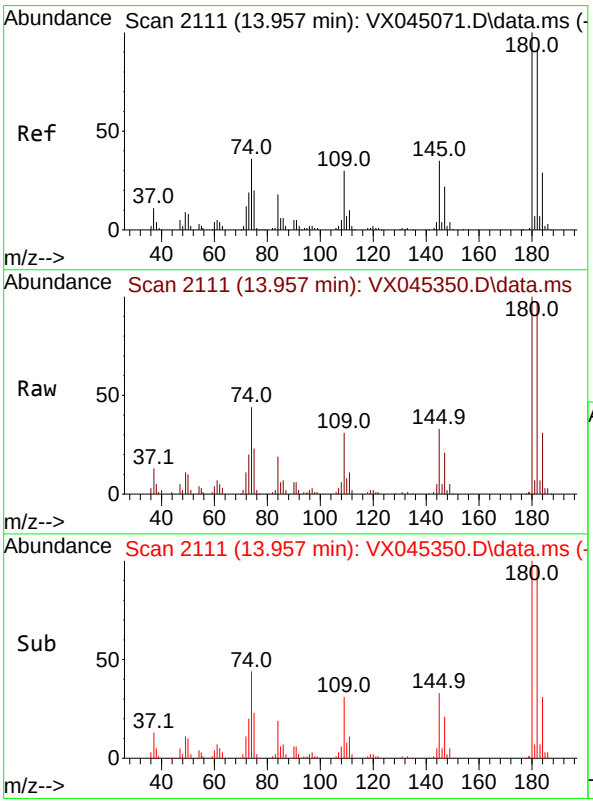
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

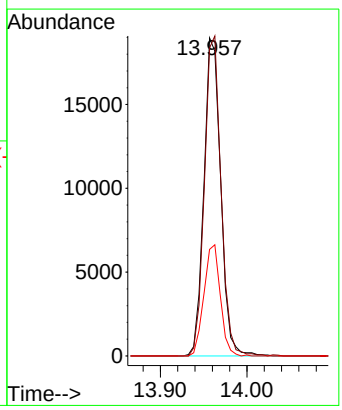
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.806 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 25568

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	34.1	17.0	50.9



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBSD01	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
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	95.1		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.1		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	18.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	98.7		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.9		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	19.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.8		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	20.0		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	19.7		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBSD01	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
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		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	39.3		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		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	19.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	90200	5.55				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	144000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	65600	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1559
Lab Sample ID:	VX0313WBSD01	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
VX045261.D	1		03/13/25 12:04	VX031325

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\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	90235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76581	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.700%			
35) Dibromofluoromethane	5.379	113	56701	53.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	8.647	98	201206	52.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	72484	56.613	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	20301	17.873	ug/l	91
3) Chloromethane	1.301	50	23917	17.206	ug/l	98
4) Vinyl Chloride	1.374	62	21513	15.601	ug/l	97
5) Bromomethane	1.593	94	9644	17.791	ug/l	87
6) Chloroethane	1.666	64	12745	20.038	ug/l	99
7) Trichlorofluoromethane	1.874	101	32751	17.941	ug/l	99
8) Diethyl Ether	2.130	74	11857	16.606	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	20760	19.795	ug/l	96
10) Methyl Iodide	2.441	142	24155	18.430	ug/l	96
11) Tert butyl alcohol	2.977	59	22771	83.756	ug/l	99
12) 1,1-Dichloroethene	2.307	96	19452	17.543	ug/l	99
13) Acrolein	2.233	56	19534	62.155	ug/l	97
14) Allyl chloride	2.654	41	37358	18.928	ug/l	97
15) Acrylonitrile	3.063	53	71162	97.663	ug/l	100
16) Acetone	2.386	43	63364	95.149	ug/l	98
17) Carbon Disulfide	2.502	76	44925	15.212	ug/l	98
18) Methyl Acetate	2.703	43	36043	22.498	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69631	18.718	ug/l	99
20) Methylene Chloride	2.782	84	23869	18.094	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20303	18.535	ug/l	94
22) Diisopropyl ether	3.764	45	75557	18.823	ug/l	97
23) Vinyl Acetate	3.721	43	318966	95.221	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40880	18.172	ug/l	96
25) 2-Butanone	4.562	43	98953	98.715	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27045	25.631	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	24962	18.460	ug/l	94
28) Bromochloromethane	4.891	49	22946	21.400	ug/l	99
29) Tetrahydrofuran	5.007	42	63444	94.247	ug/l	98
30) Chloroform	5.087	83	42319	18.933	ug/l	97
31) Cyclohexane	5.465	56	36088	18.480	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	33599	18.611	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27375	18.730	ug/l	99
37) Ethyl Acetate	4.715	43	34779	18.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	28609	19.280	ug/l	98
39) Methylcyclohexane	7.373	83	34346	19.611	ug/l	96
40) Benzene	6.032	78	87643	18.989	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21190	20.808	ug/l		98
42) 1,2-Dichloroethane	6.086	62	34127	20.534	ug/l		98
43) Isopropyl Acetate	6.336	43	54500	19.569	ug/l		99
44) Trichloroethene	7.123	130	20397	18.821	ug/l		96
45) 1,2-Dichloropropane	7.428	63	22742	19.165	ug/l		100
46) Dibromomethane	7.580	93	17018	20.290	ug/l		97
47) Bromodichloromethane	7.818	83	32932	20.017	ug/l		96
48) Methyl methacrylate	7.690	41	27898	19.967	ug/l		97
49) 1,4-Dioxane	7.665	88	10531	357.320	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	198103	105.941	ug/l		99
52) Toluene	8.714	92	53476	19.748	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	27245	19.809	ug/l		93
54) cis-1,3-Dichloropropene	8.360	75	32757	20.424	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	22565	20.241	ug/l		97
56) Ethyl methacrylate	9.116	69	34656	20.451	ug/l		96
57) 1,3-Dichloropropane	9.305	76	38745	20.083	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	82405	99.689	ug/l		99
59) 2-Hexanone	9.427	43	141915	104.746	ug/l		100
60) Dibromochloromethane	9.519	129	23618	20.262	ug/l		100
61) 1,2-Dibromoethane	9.610	107	22237	19.981	ug/l		99
64) Tetrachloroethene	9.269	164	17838	19.334	ug/l		98
65) Chlorobenzene	10.080	112	58039	19.041	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	18837	18.557	ug/l		98
67) Ethyl Benzene	10.189	91	101078	19.031	ug/l		98
68) m/p-Xylenes	10.299	106	76506	39.349	ug/l		99
69) o-Xylene	10.640	106	38094	19.426	ug/l		98
70) Styrene	10.653	104	63529	20.022	ug/l		100
71) Bromoform	10.799	173	14594	19.065	ug/l	#	100
73) Isopropylbenzene	10.957	105	98112	19.159	ug/l		100
74) N-amyl acetate	10.842	43	45833	19.074	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36279	19.306	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	29628m	19.402	ug/l		
77) Bromobenzene	11.195	156	23186	19.190	ug/l		99
78) n-propylbenzene	11.299	91	113653	19.647	ug/l		100
79) 2-Chlorotoluene	11.360	91	69432	18.847	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	81812	19.758	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	18.059	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	80408	20.026	ug/l		98
83) tert-Butylbenzene	11.713	119	81780	19.222	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82575	19.820	ug/l		98
85) sec-Butylbenzene	11.890	105	103663	20.341	ug/l		99
86) p-Isopropyltoluene	12.006	119	84197	20.444	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41164	19.098	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	40874	18.744	ug/l		97
89) n-Butylbenzene	12.329	91	73393	20.691	ug/l		99
90) Hexachloroethane	12.536	117	13812	18.541	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	42723	19.759	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6848	18.705	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	23419	19.022	ug/l		99
94) Hexachlorobutadiene	13.719	225	9734	19.285	ug/l		97
95) Naphthalene	13.774	128	88047	18.614	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24920	19.187	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

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

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

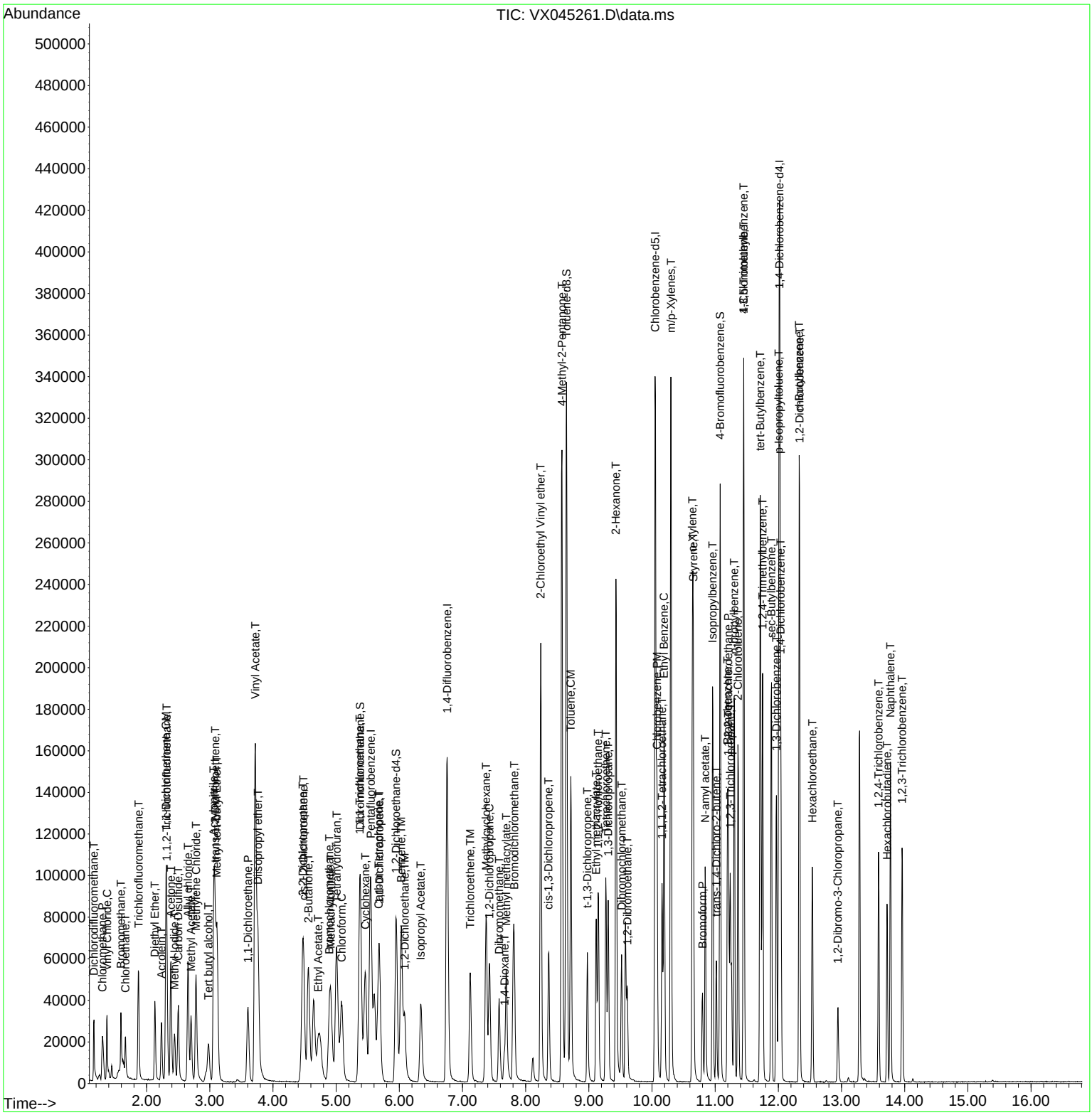
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Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

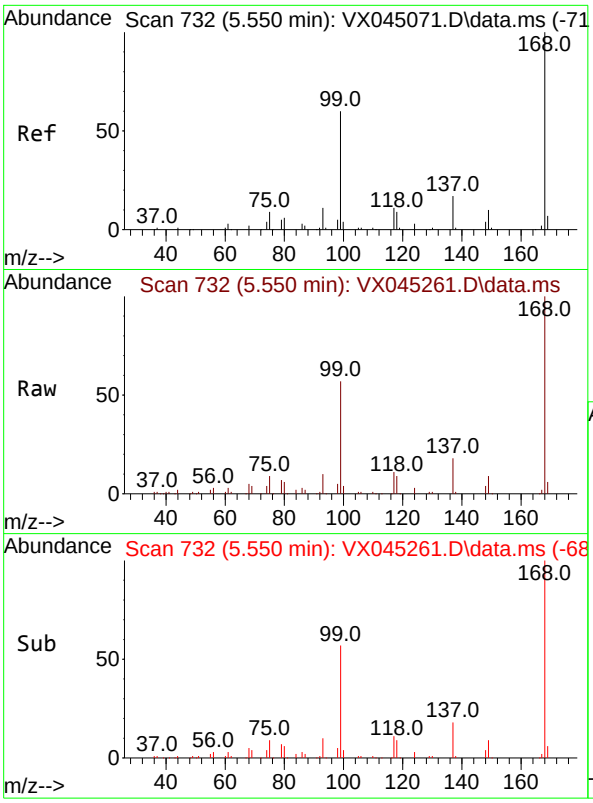
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
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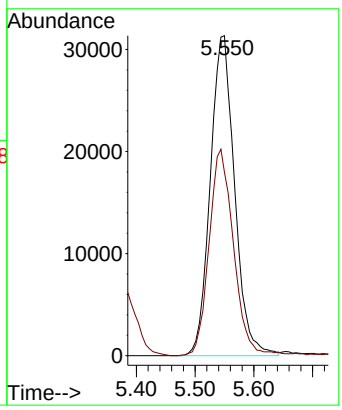




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:168 Resp: 9023

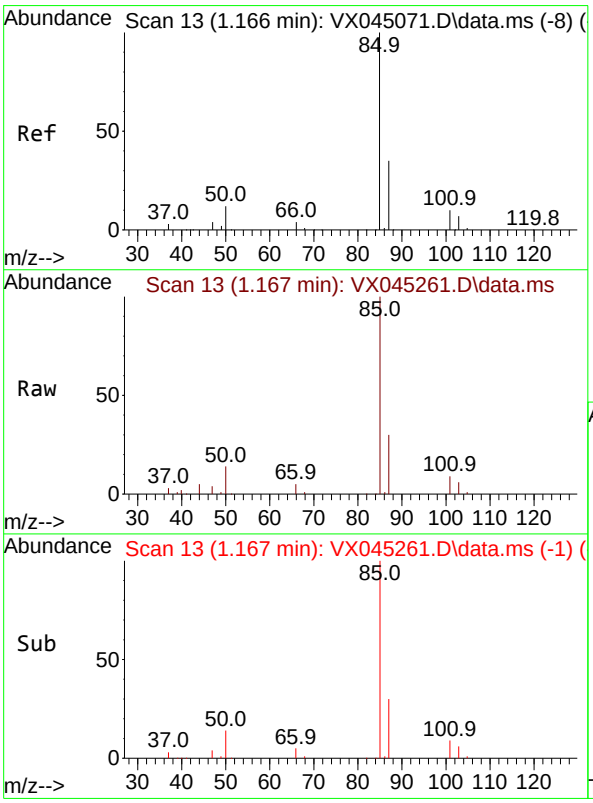
Ion	Ratio	Lower	Upper
168	100		
99	57.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

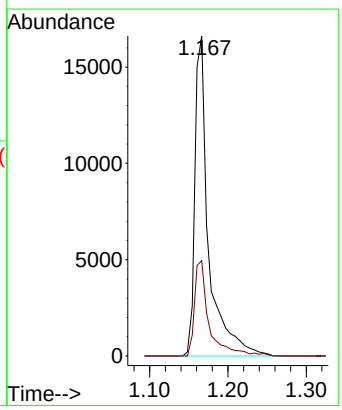
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

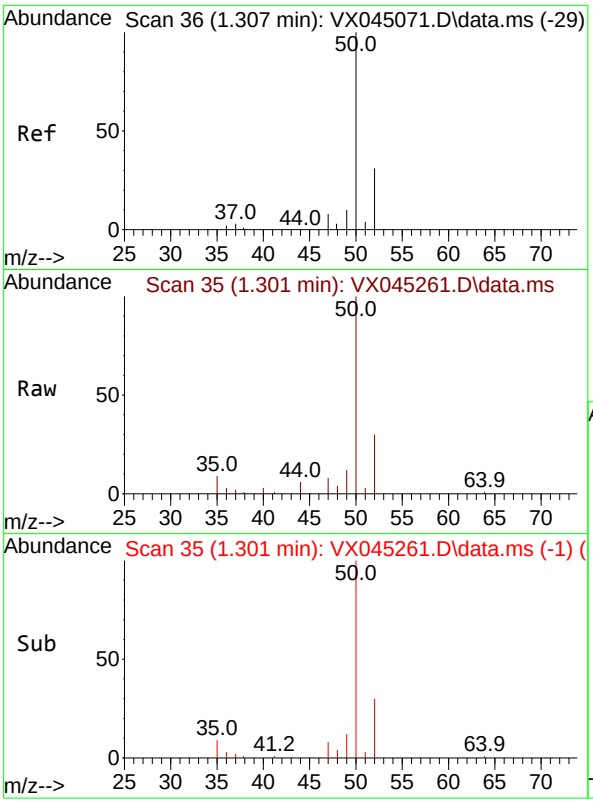


#2
Dichlorodifluoromethane
Concen: 17.873 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 85 Resp: 20301

Ion	Ratio	Lower	Upper
85	100		
87	29.8	17.4	52.3

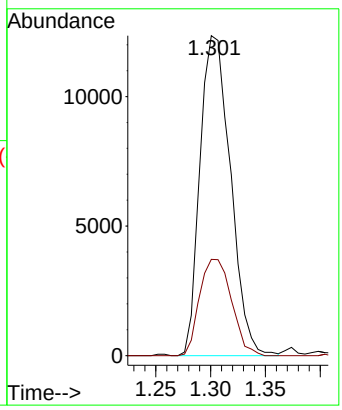




#3
Chloromethane
Concen: 17.206 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 50 Resp: 2391

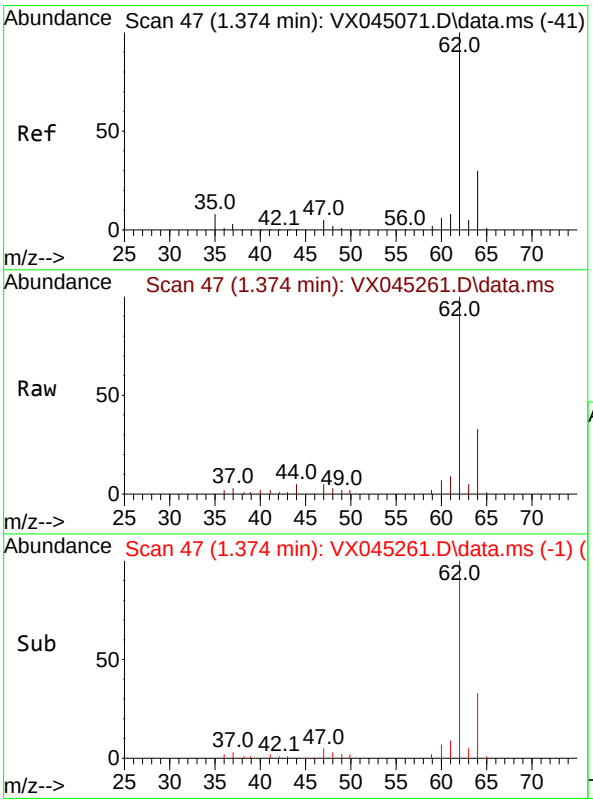
Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

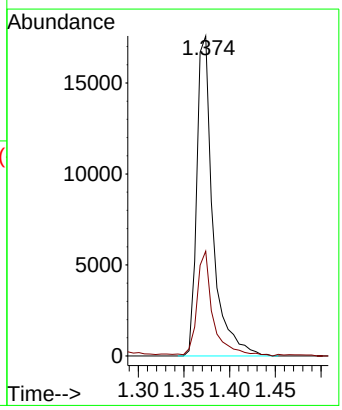
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

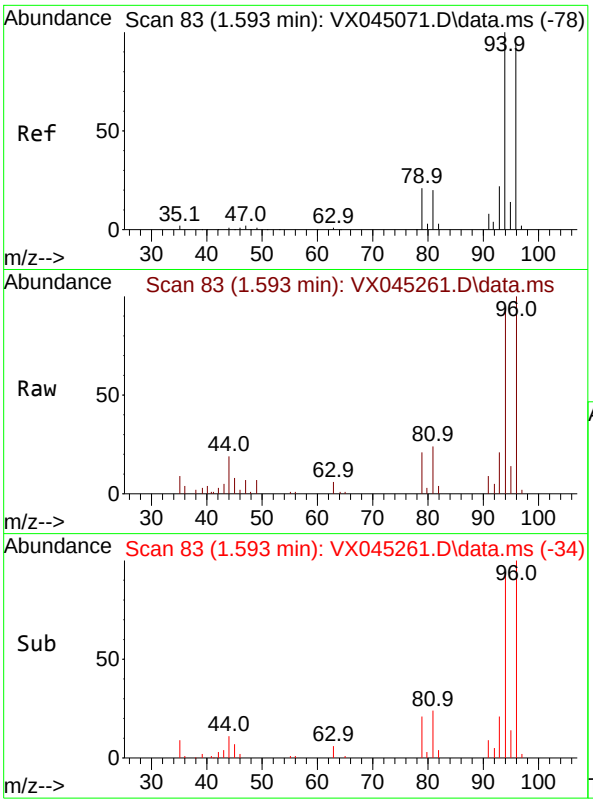


#4
Vinyl Chloride
Concen: 15.601 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 62 Resp: 21513

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

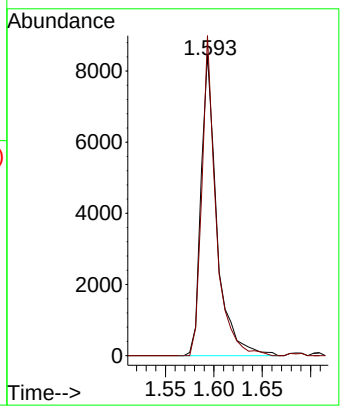




#5
Bromomethane
Concen: 17.791 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 94 Resp: 964

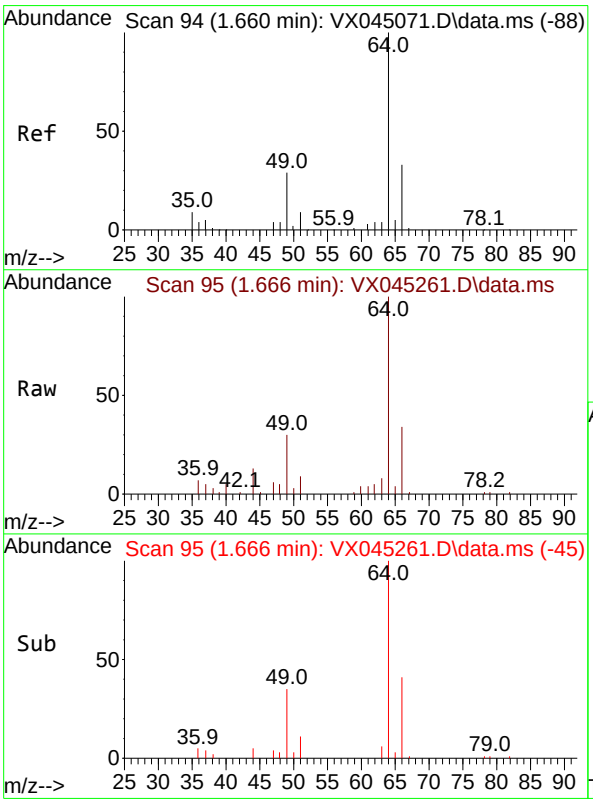
Ion	Ratio	Lower	Upper
94	100		
96	106.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

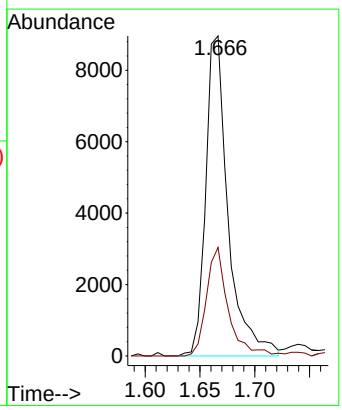
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

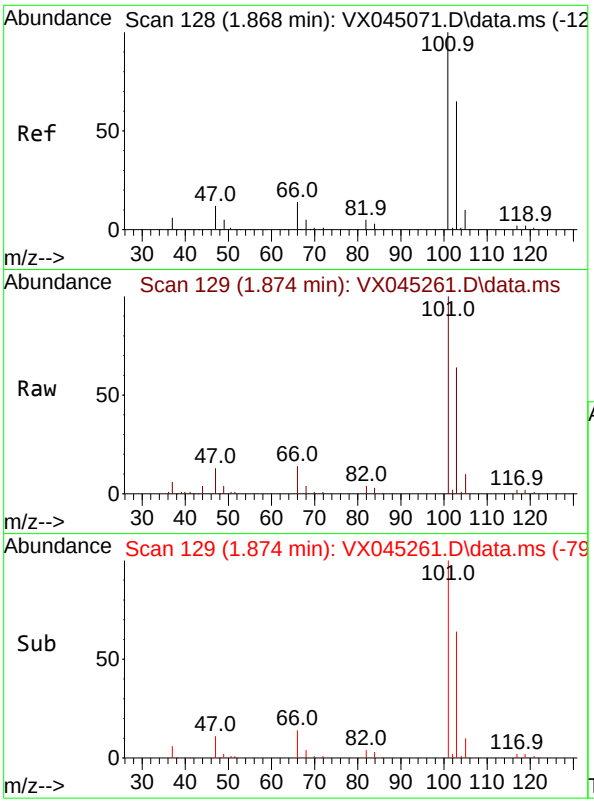


#6
Chloroethane
Concen: 20.038 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 64 Resp: 12745

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.7	40.1

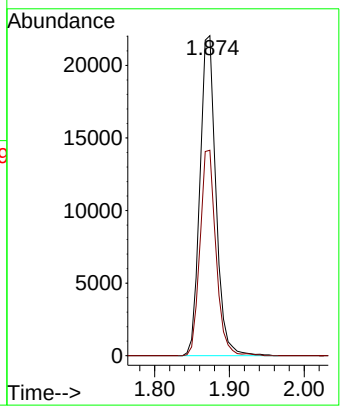




#7
Trichlorofluoromethane
Concen: 17.941 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:101 Resp: 3275

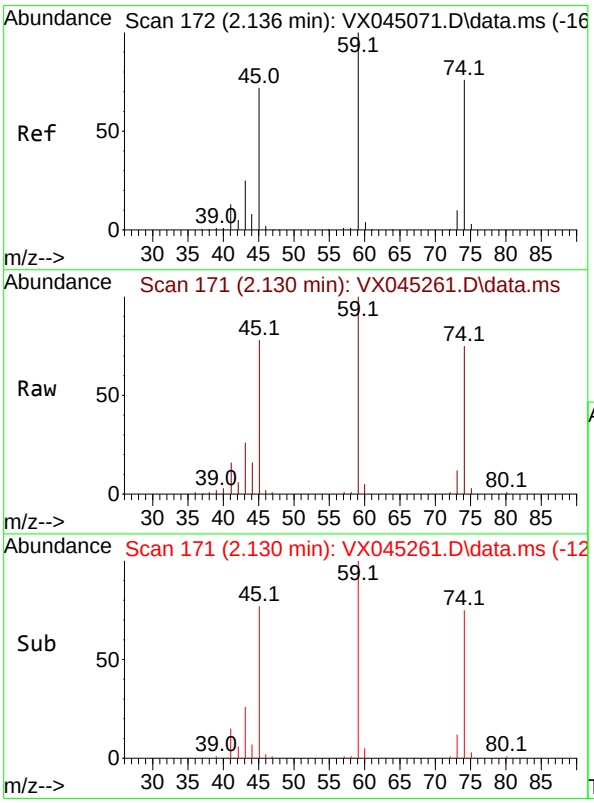
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

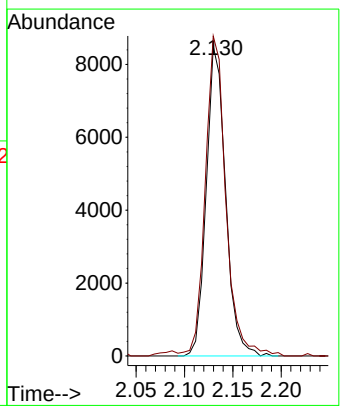
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

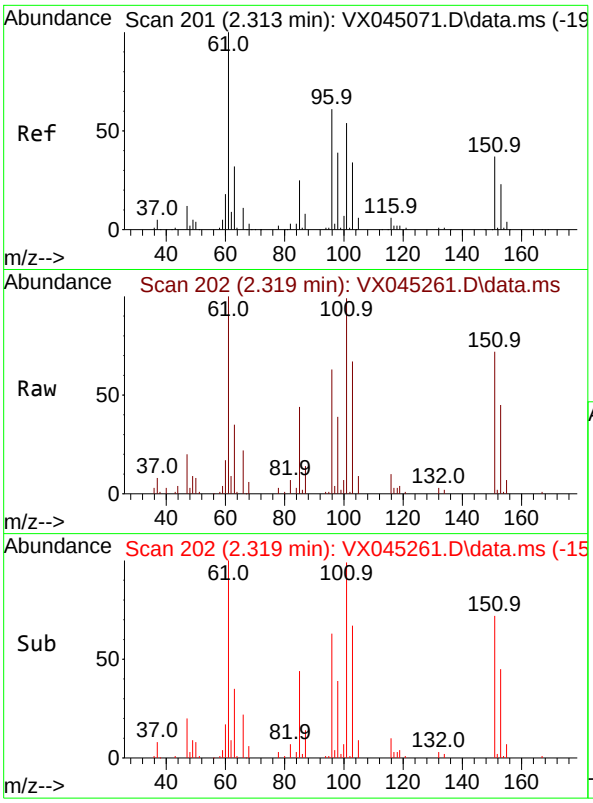


#8
Diethyl Ether
Concen: 16.606 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 74 Resp: 11857

Ion	Ratio	Lower	Upper
74	100		
45	109.3	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.795 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

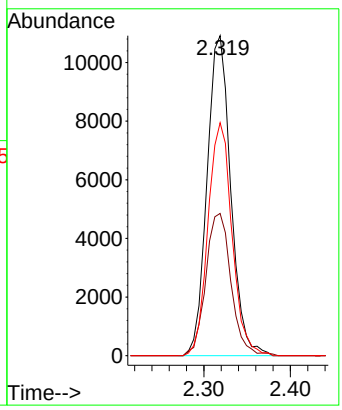
Tgt Ion:101 Resp: 2076

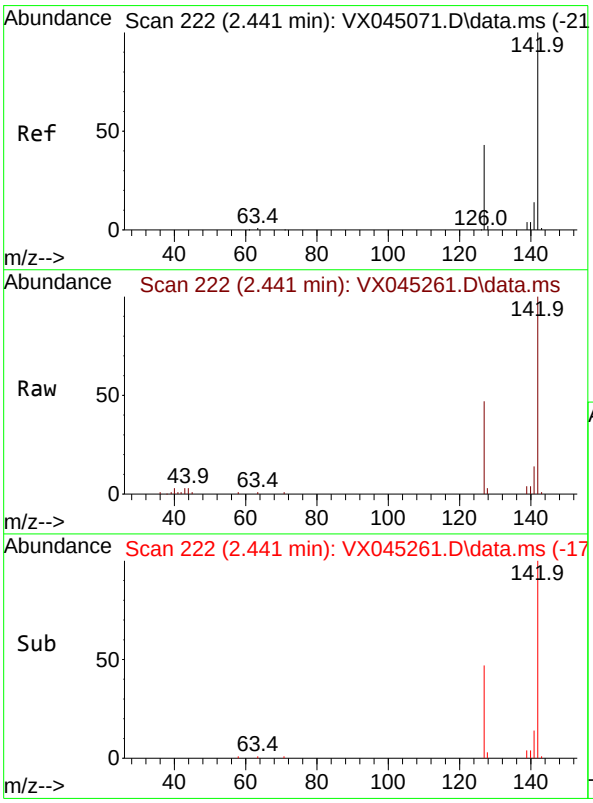
Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	73.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

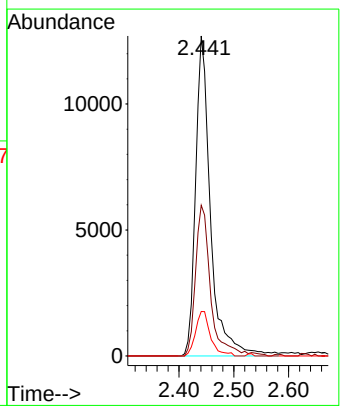


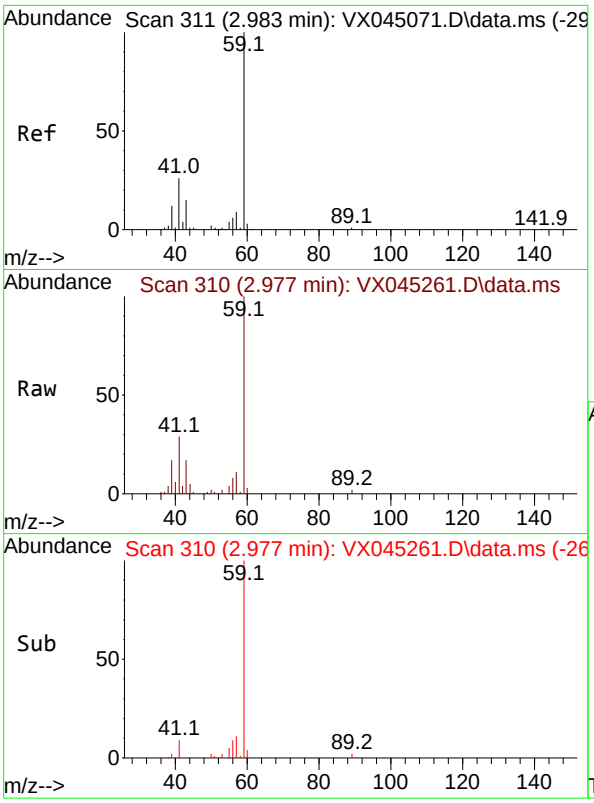


#10
Methyl Iodide
Concen: 18.430 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:142 Resp: 24155

Ion	Ratio	Lower	Upper
142	100		
127	47.7	35.4	53.2
141	13.9	11.6	17.4





#11
Tert butyl alcohol
Concen: 83.756 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

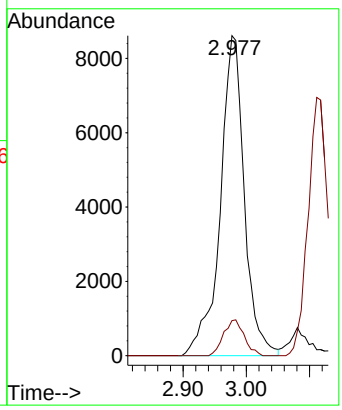
Tgt Ion: 59 Resp: 2277

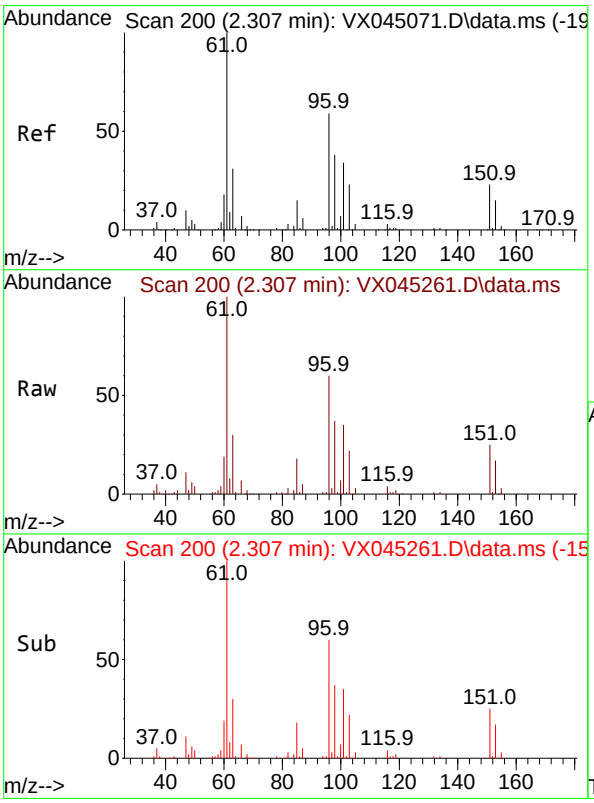
Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

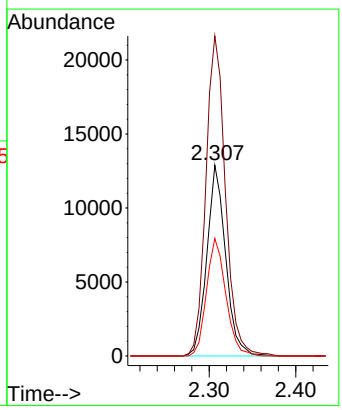


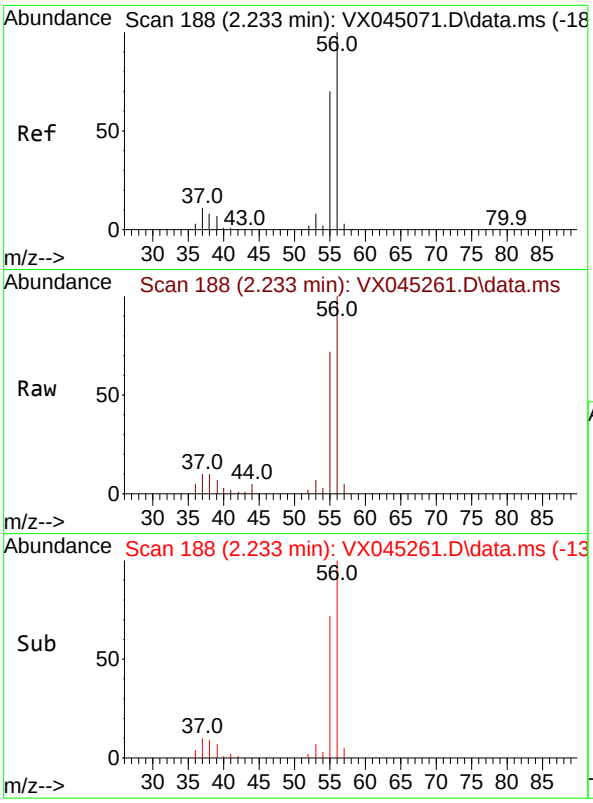


#12
1,1-Dichloroethene
Concen: 17.543 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 96 Resp: 19452

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.6	202.0
98	61.5	51.0	76.6

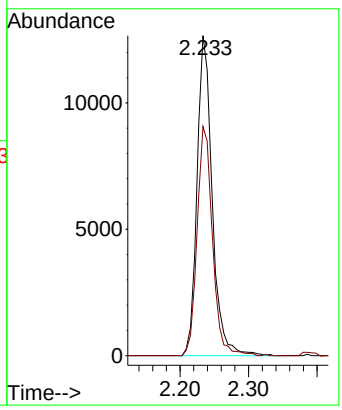




#13
Acrolein
Concen: 62.155 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 56 Resp: 1953

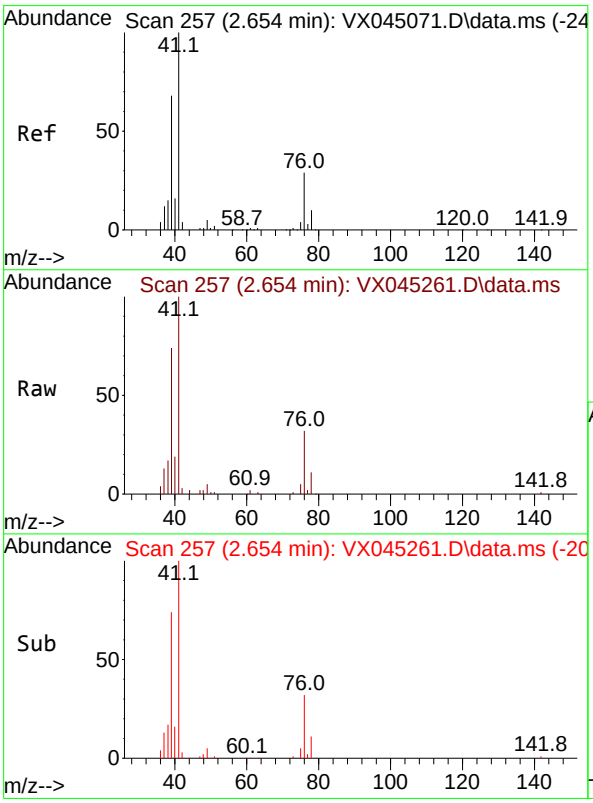
Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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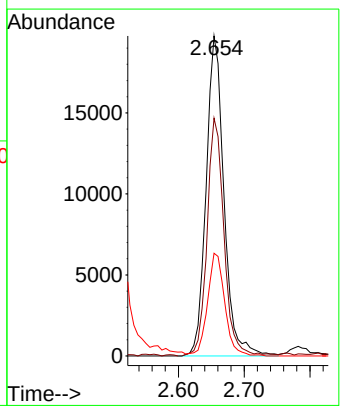
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

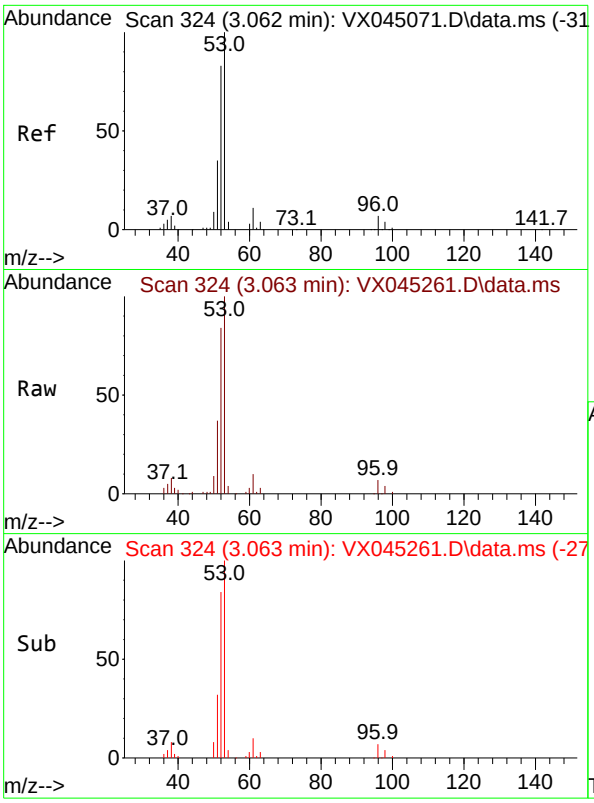


#14
Allyl chloride
Concen: 18.928 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 41 Resp: 37358

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	31.1	25.2	37.8

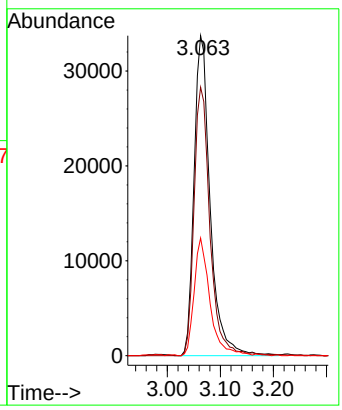




#15
Acrylonitrile
Concen: 97.663 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 53 Resp: 7116

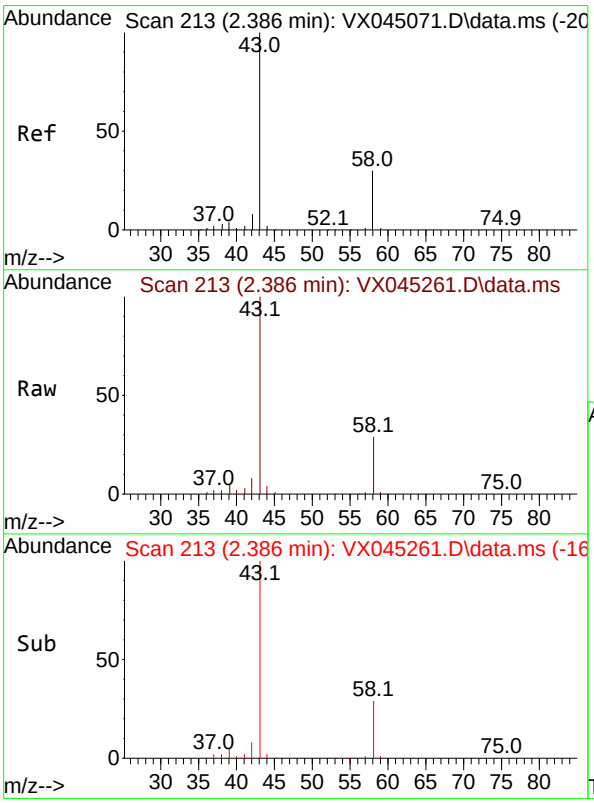
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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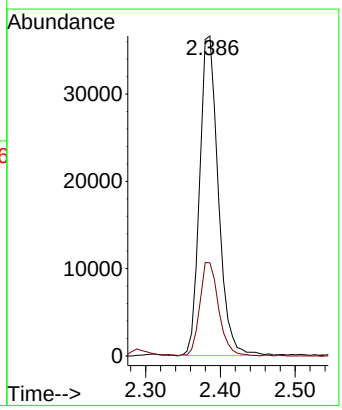
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

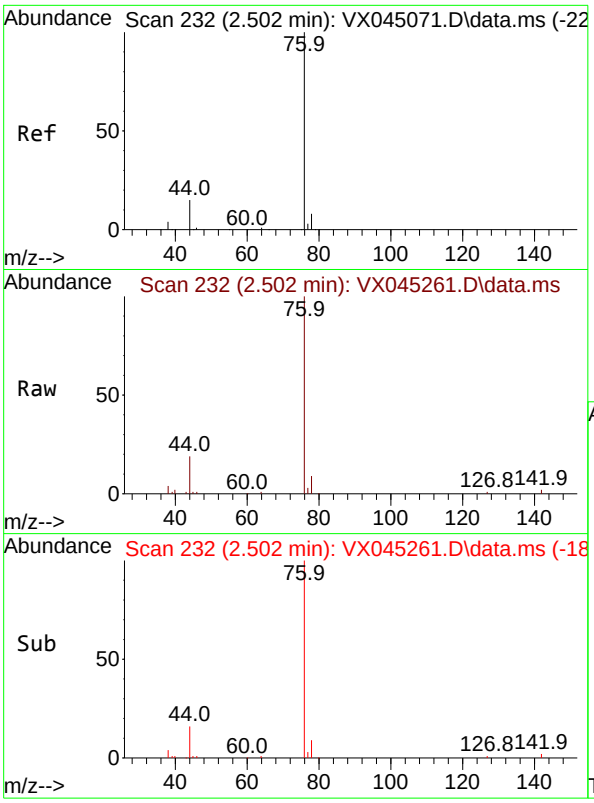


#16
Acetone
Concen: 95.149 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 63364

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4

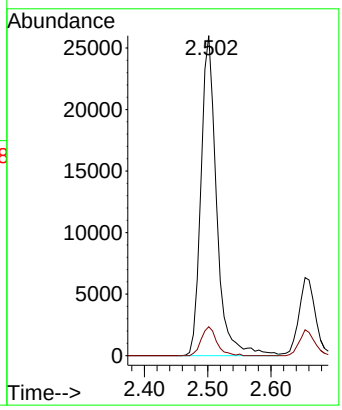




#17
Carbon Disulfide
Concen: 15.212 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 76 Resp: 4492

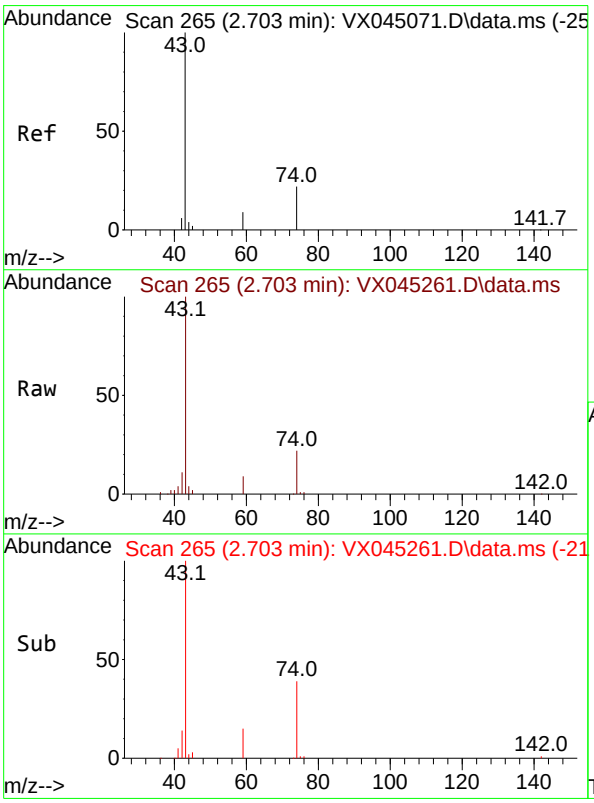
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

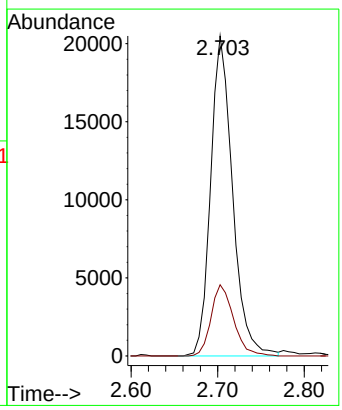
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

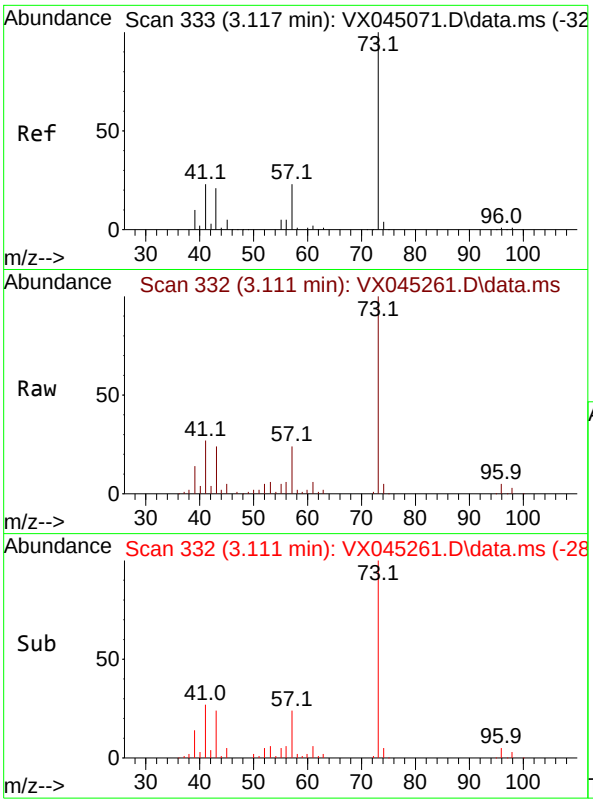


#18
Methyl Acetate
Concen: 22.498 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 36043

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2

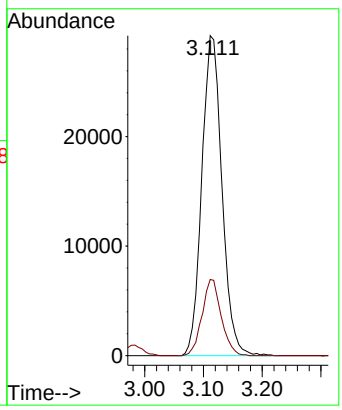




#19
Methyl tert-butyl Ether
Concen: 18.718 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 73 Resp: 6963

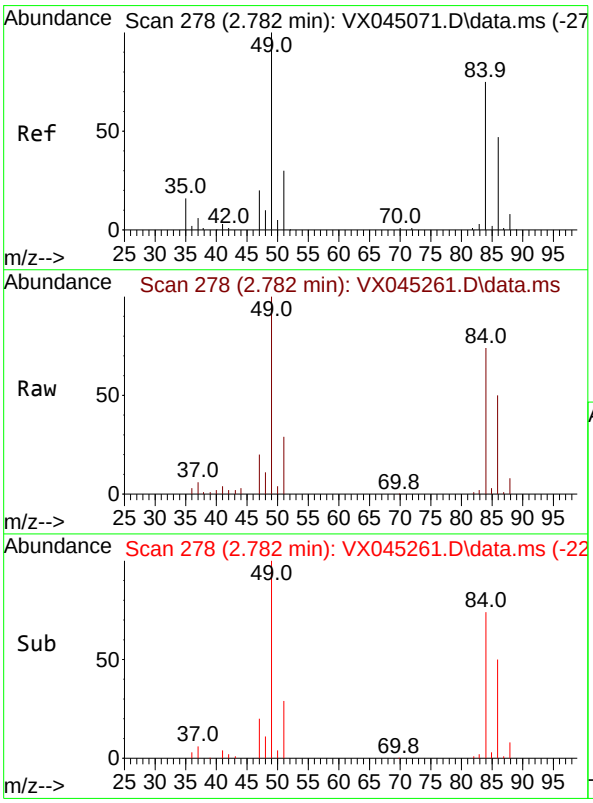
Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

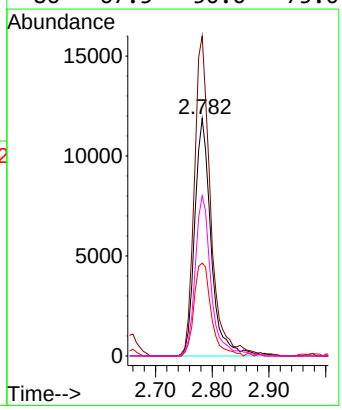
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

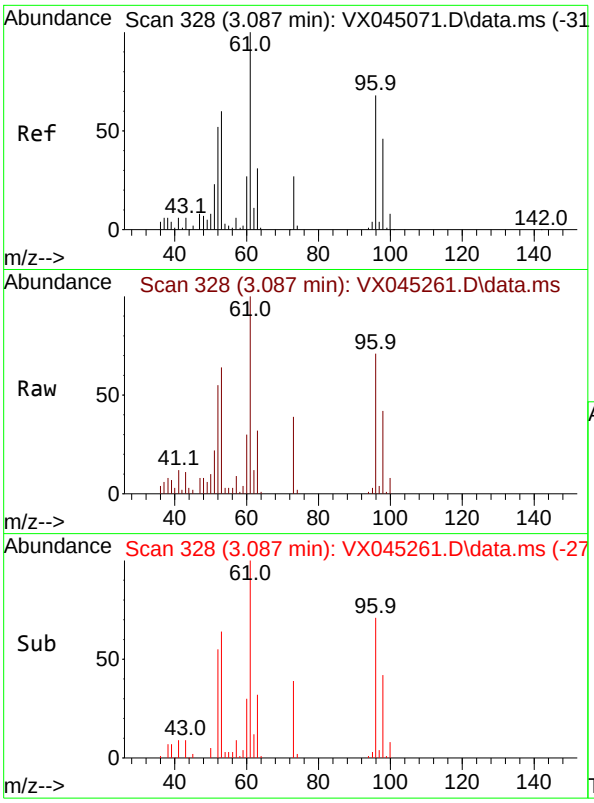


#20
Methylene Chloride
Concen: 18.094 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 84 Resp: 23869

Ion	Ratio	Lower	Upper
84	100		
49	134.7	106.5	159.7
51	39.1	32.1	48.1
86	67.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.535 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

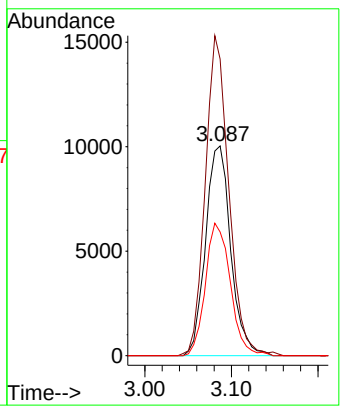
Tgt Ion: 96 Resp: 2030

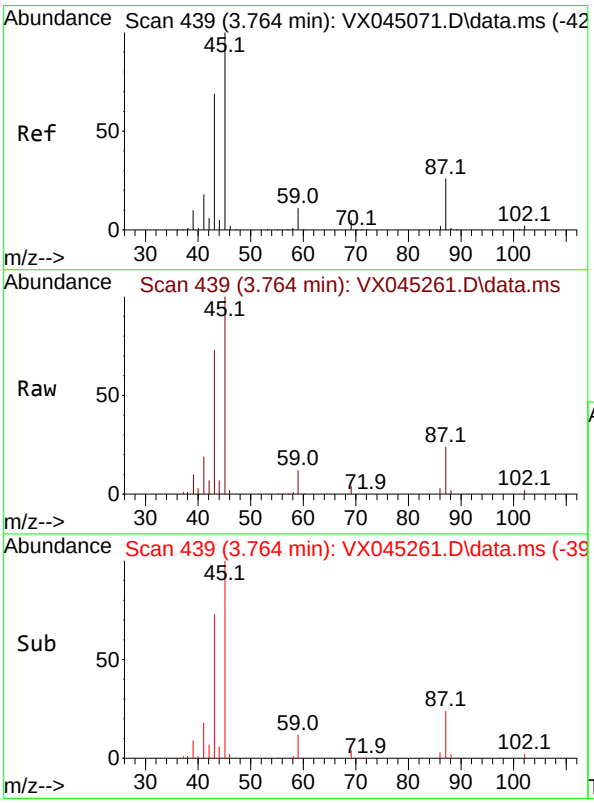
Ion	Ratio	Lower	Upper
96	100		
61	141.4	117.0	175.4
98	59.0	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

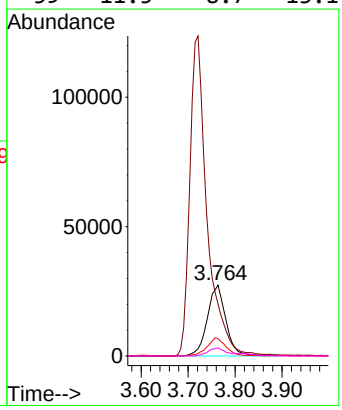


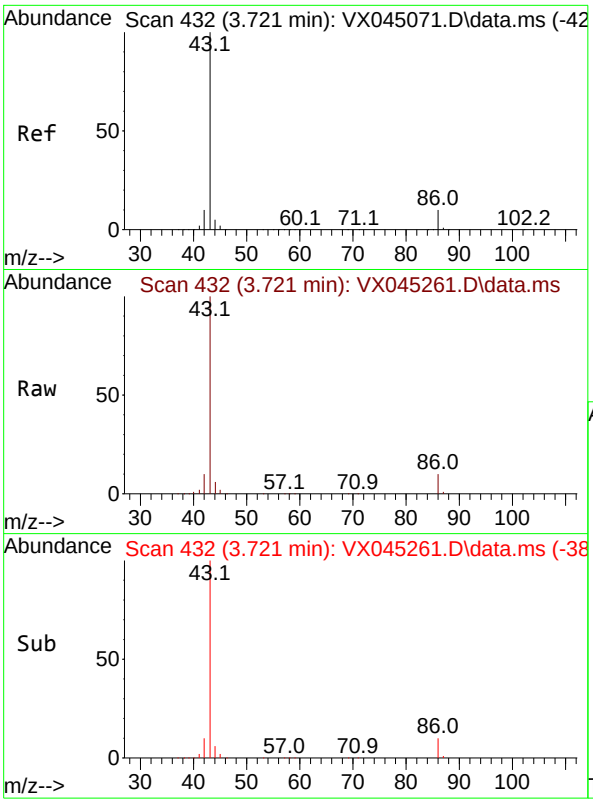


#22
Diisopropyl ether
Concen: 18.823 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 45 Resp: 75557

Ion	Ratio	Lower	Upper
45	100		
43	71.6	54.9	82.3
87	24.4	21.0	31.4
59	11.5	8.7	13.1





#23
Vinyl Acetate
Concen: 95.221 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

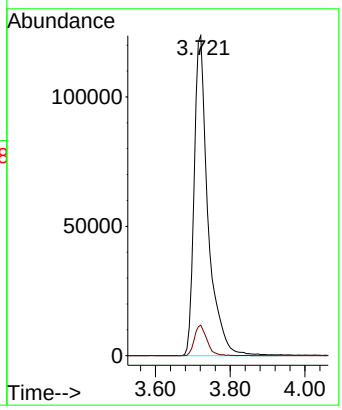
Tgt Ion: 43 Resp: 31896

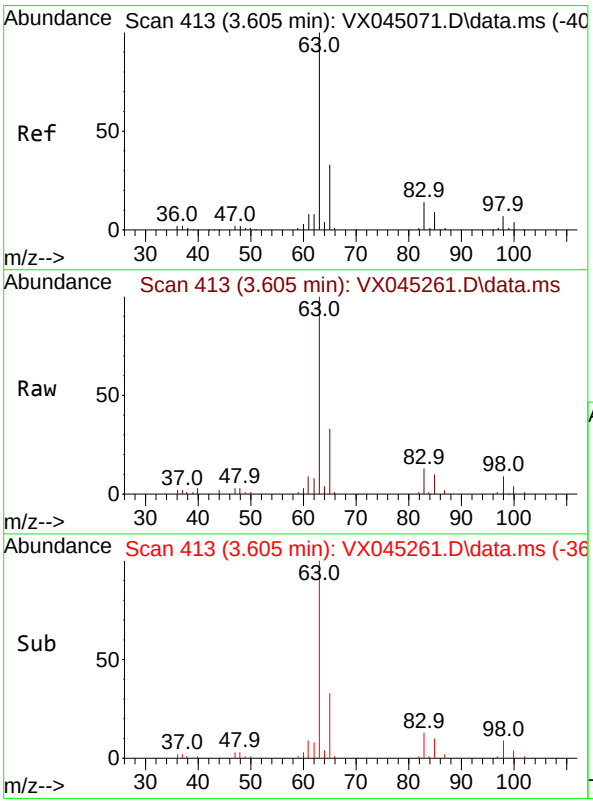
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

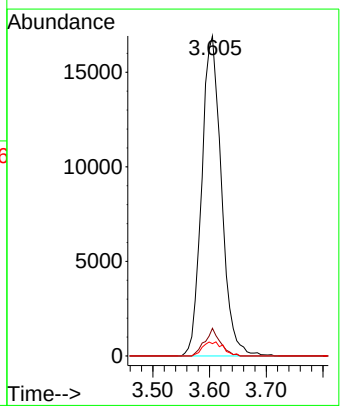


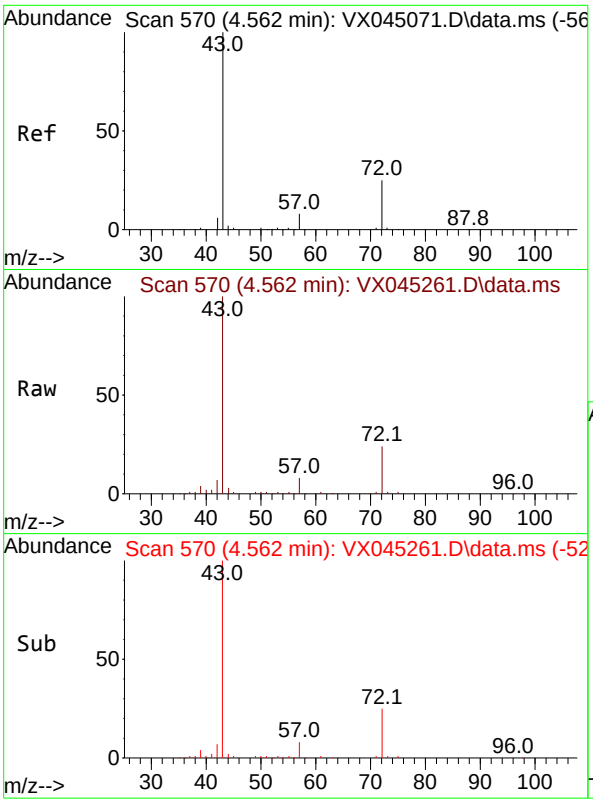


#24
1,1-Dichloroethane
Concen: 18.172 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 63 Resp: 40880

Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.4	10.2
100	3.9	2.1	6.5





#25
2-Butanone
Concen: 98.715 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

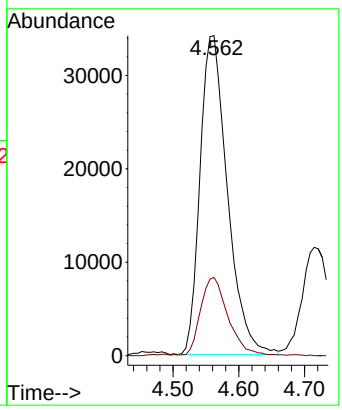
Tgt Ion: 43 Resp: 9895

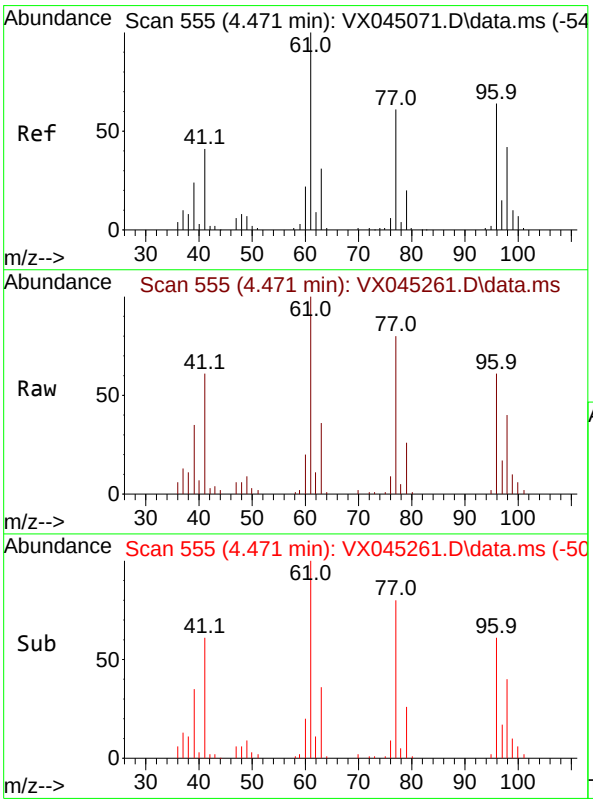
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

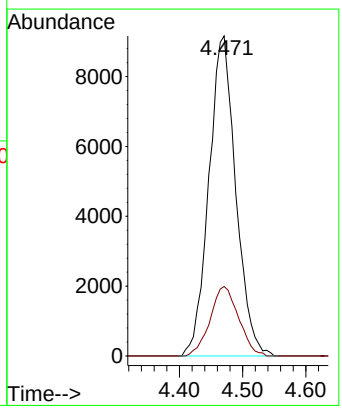


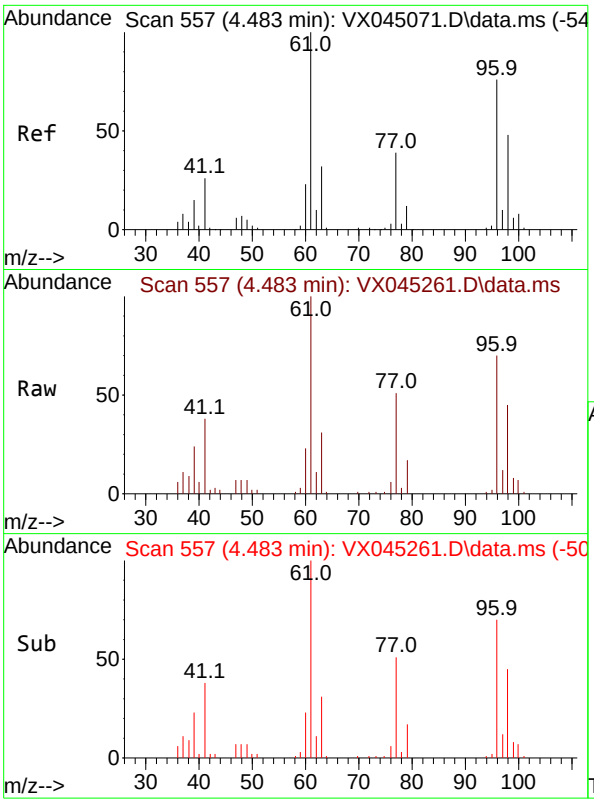


#26
2,2-Dichloropropane
Concen: 25.631 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 77 Resp: 27045

Ion	Ratio	Lower	Upper
77	100		
97	22.9	12.4	37.0

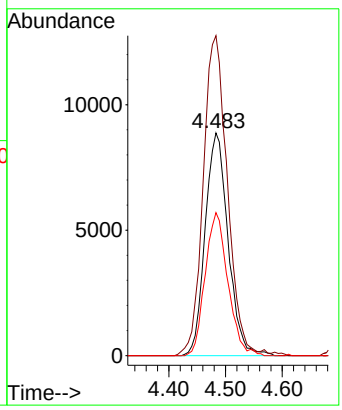




#27
cis-1,2-Dichloroethene
Concen: 18.460 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 96 Resp: 2496

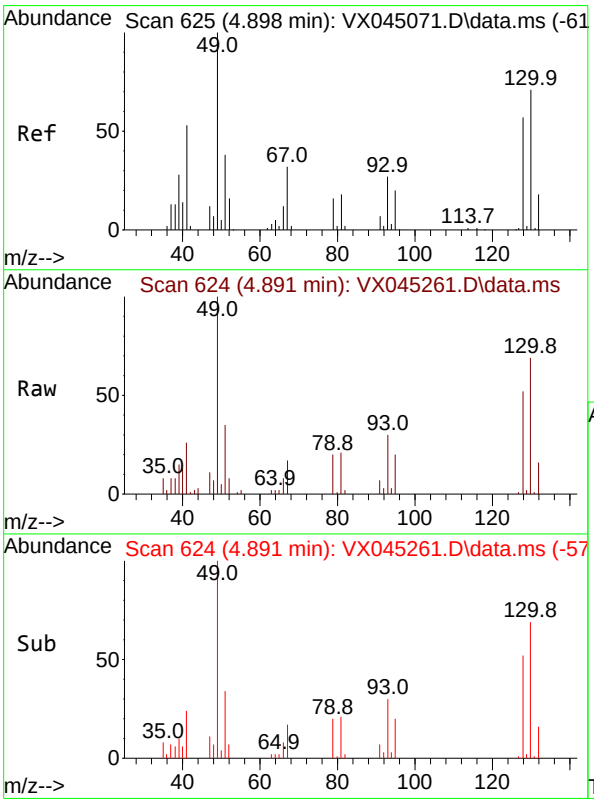
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	283.2
98	63.5	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

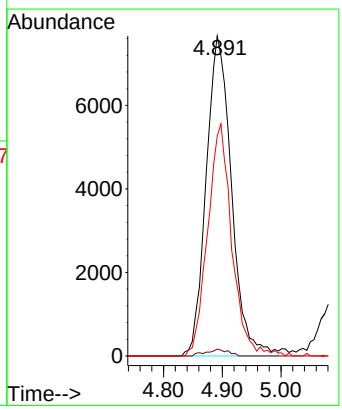
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

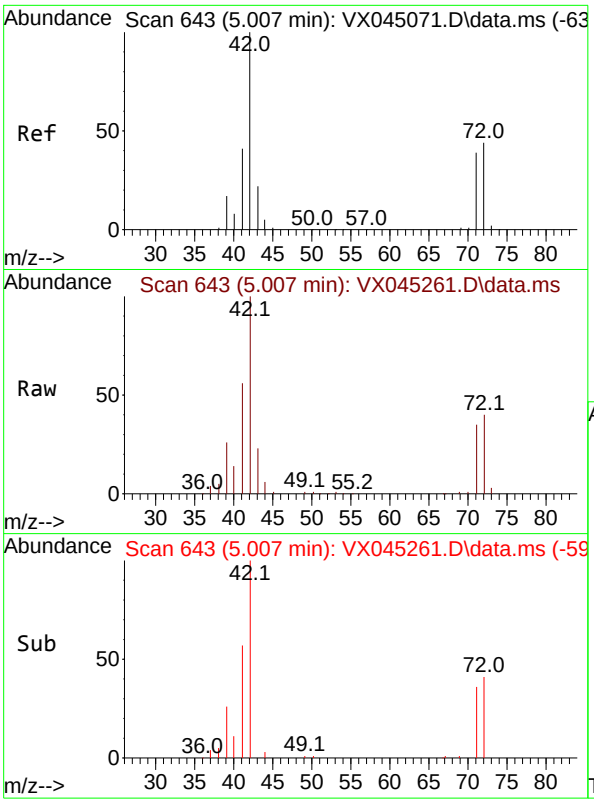


#28
Bromochloromethane
Concen: 21.400 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 49 Resp: 22946

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 94.247 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

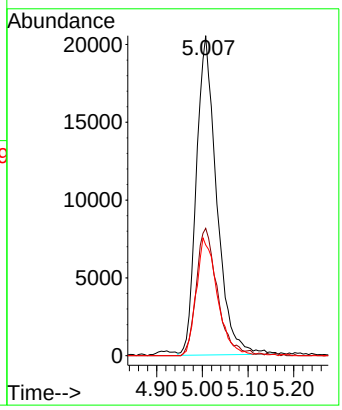
Tgt Ion: 42 Resp: 6344

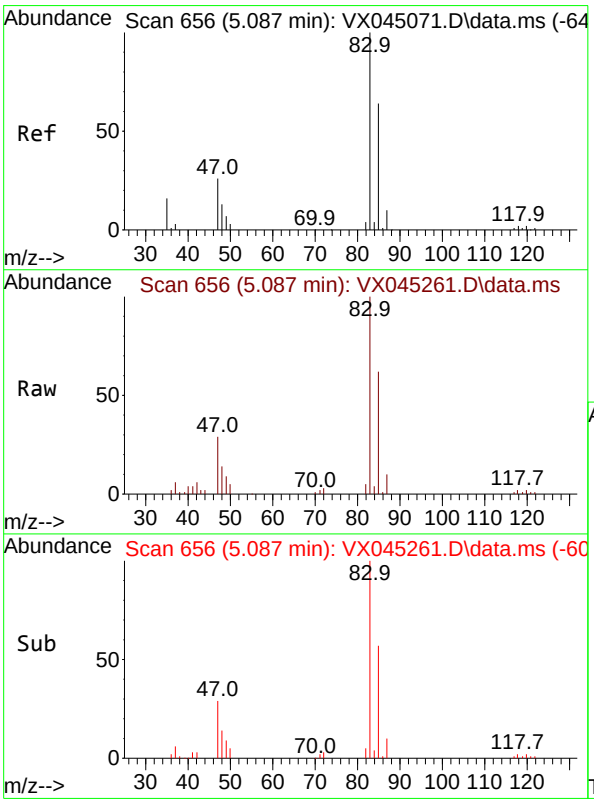
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.1	51.1
71	38.3	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

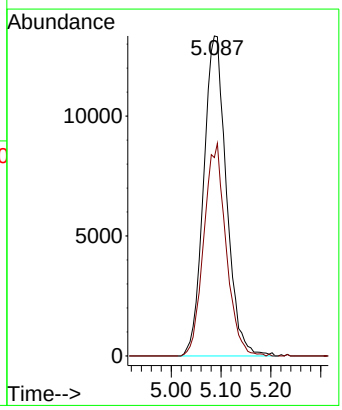


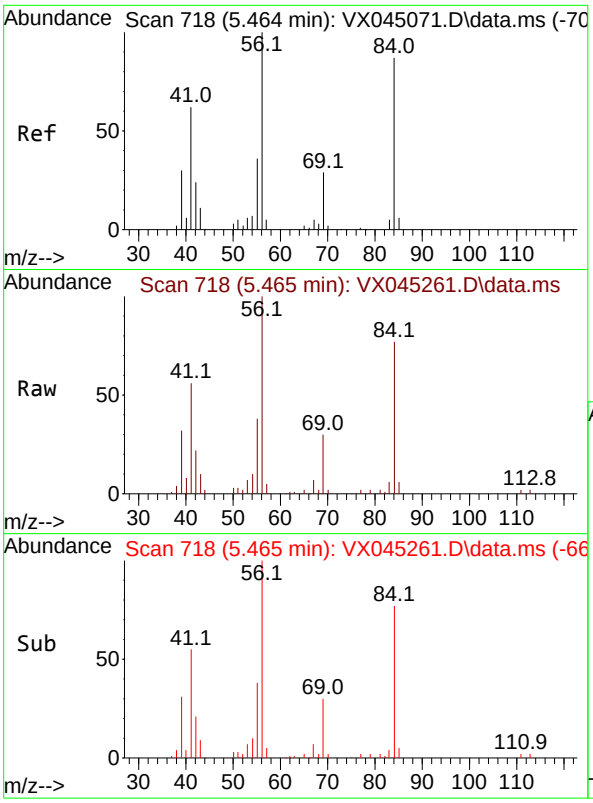


#30
Chloroform
Concen: 18.933 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 83 Resp: 42319

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2

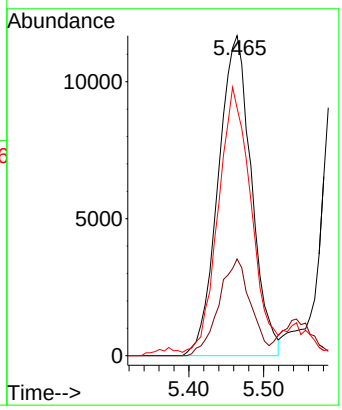




#31
Cyclohexane
Concen: 18.480 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 56 Resp: 3608

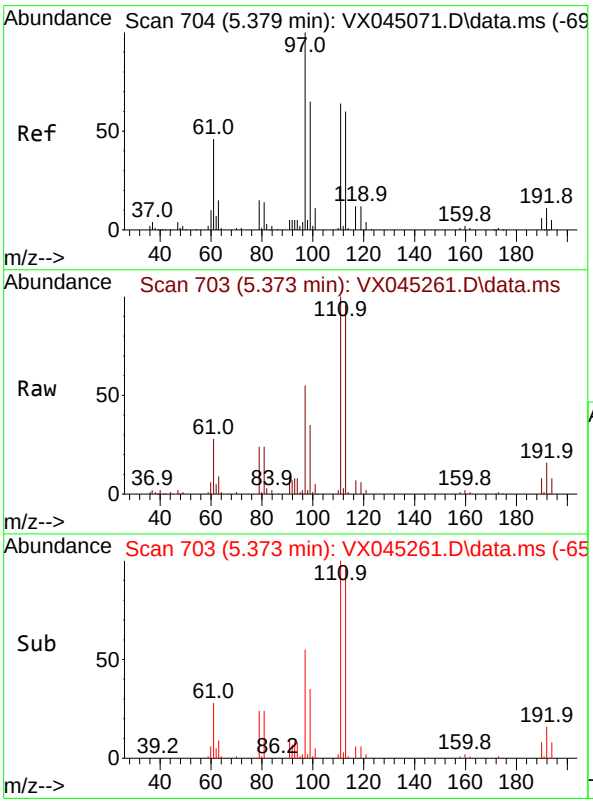
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.2
84	75.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

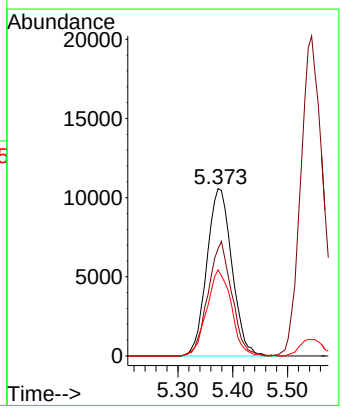
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

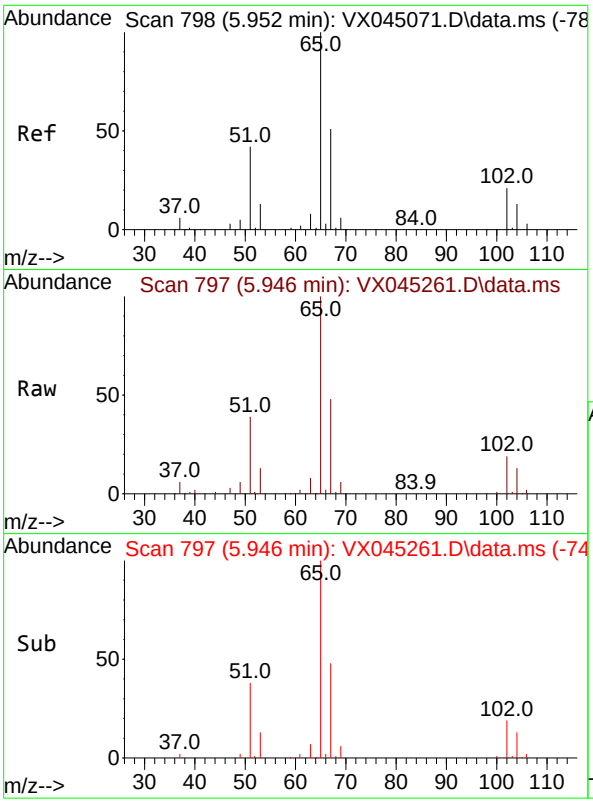


#32
1,1,1-Trichloroethane
Concen: 18.611 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 97 Resp: 33599

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	50.5	38.4	57.6

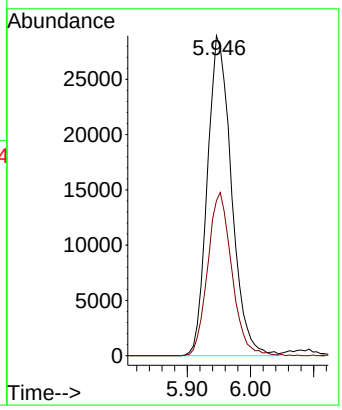




#33
1,2-Dichloroethane-d4
Concen: 53.355 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 65 Resp: 7658

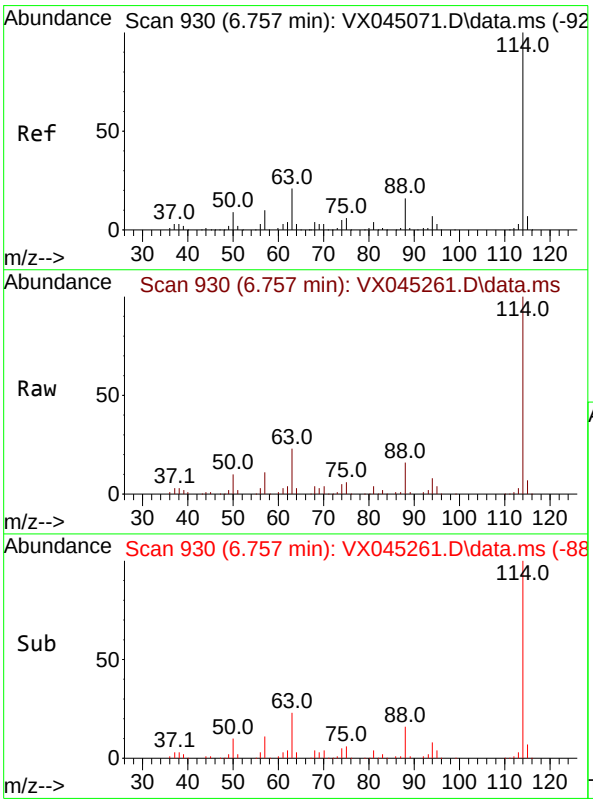
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

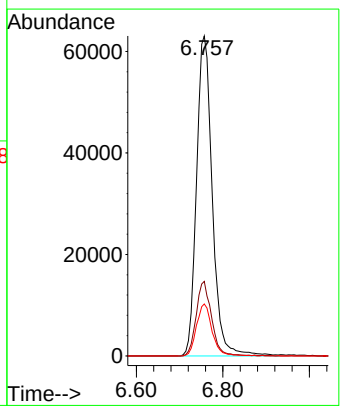
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

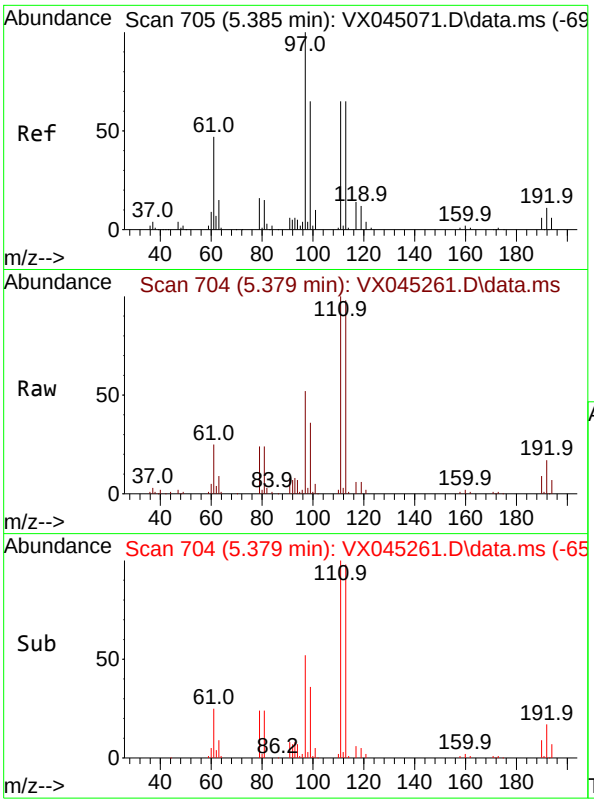


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:114 Resp: 159386

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.3	0.0	32.8

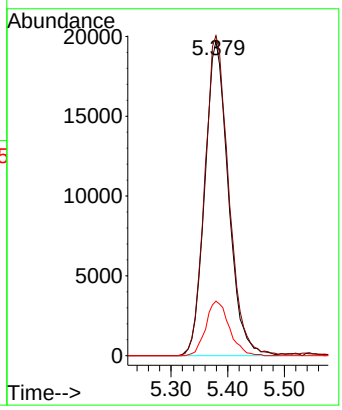




#35
Dibromofluoromethane
Concen: 53.202 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:113 Resp: 5670

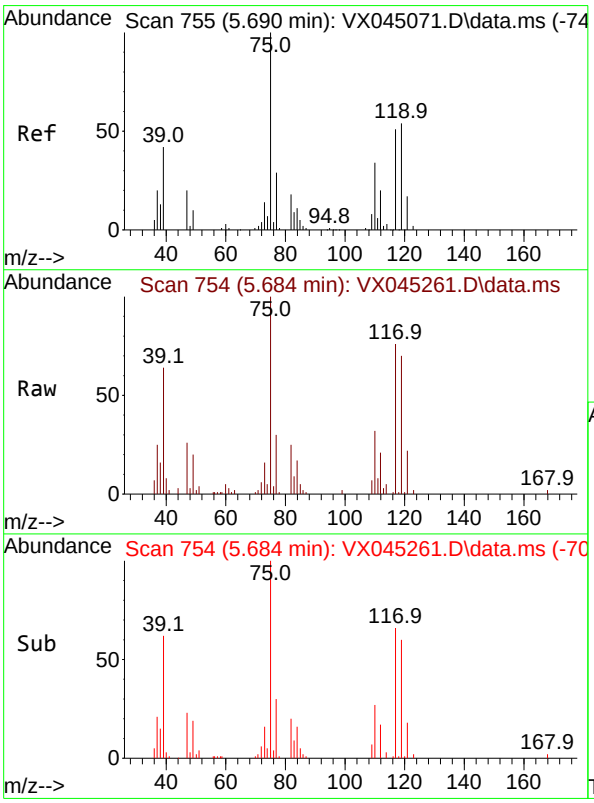
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	17.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

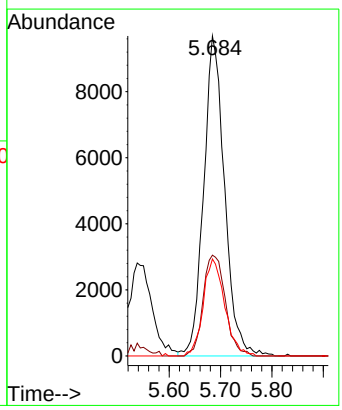
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

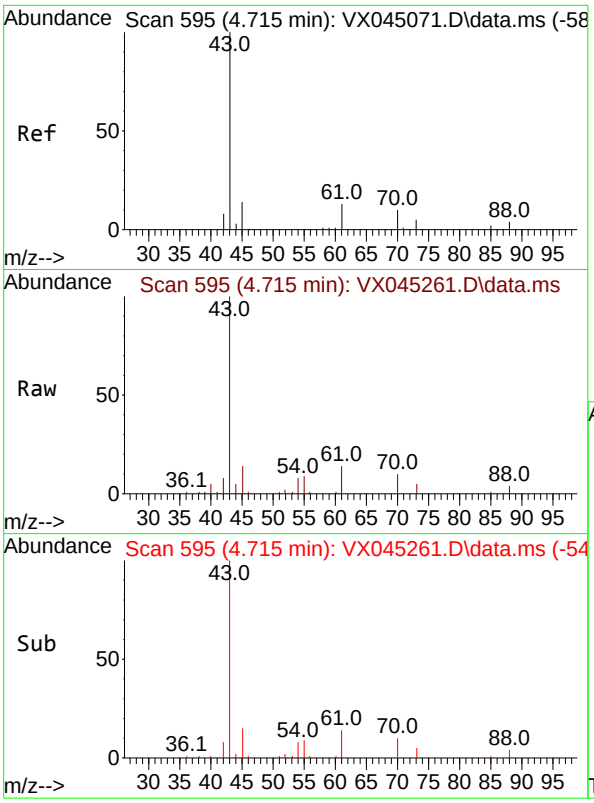


#36
1,1-Dichloropropene
Concen: 18.730 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 27375

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	31.2	24.5	36.7

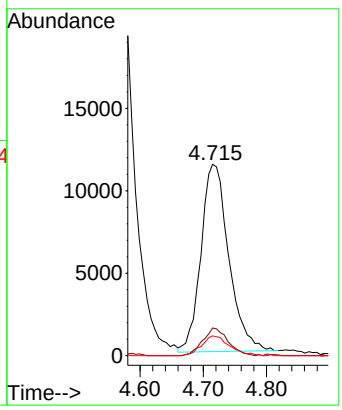




#37
Ethyl Acetate
Concen: 18.466 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 3477

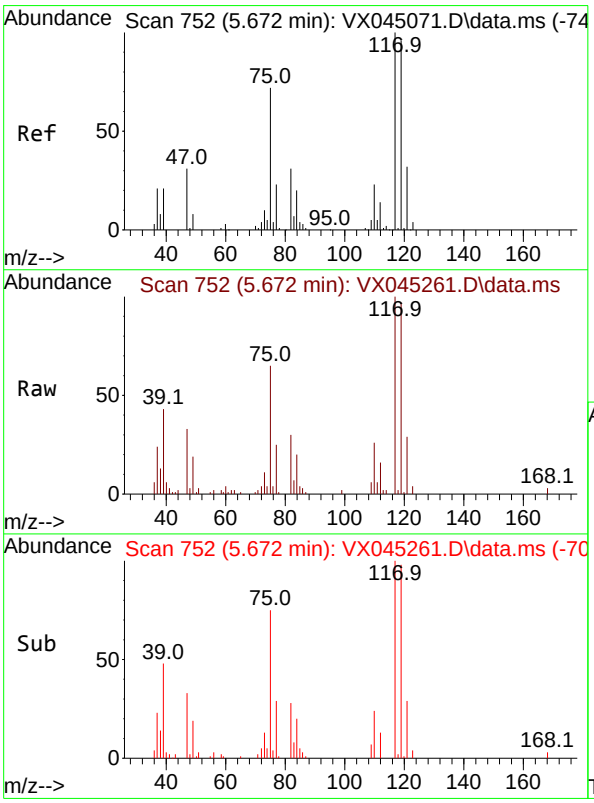
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

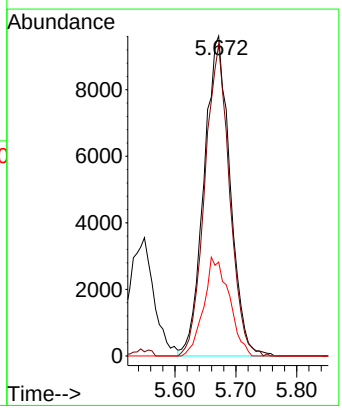
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

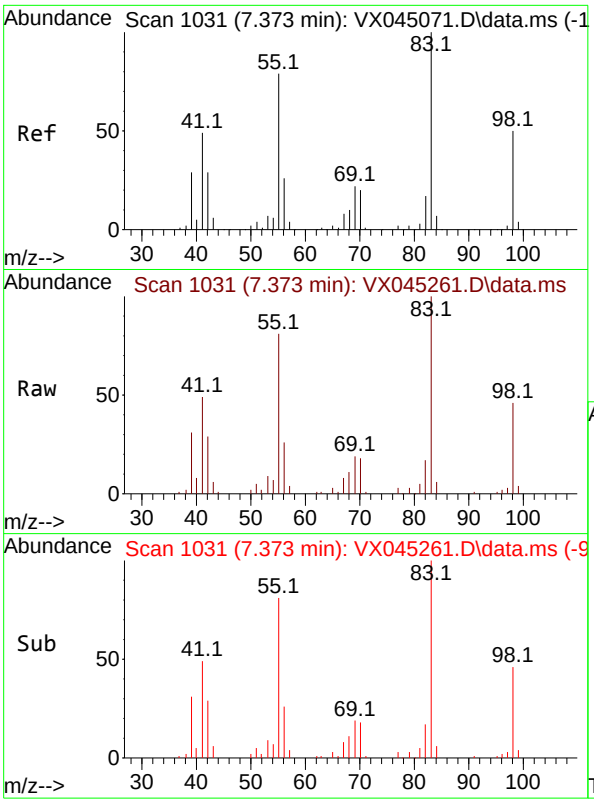


#38
Carbon Tetrachloride
Concen: 19.280 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:117 Resp: 28609

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	29.4	25.5	38.3

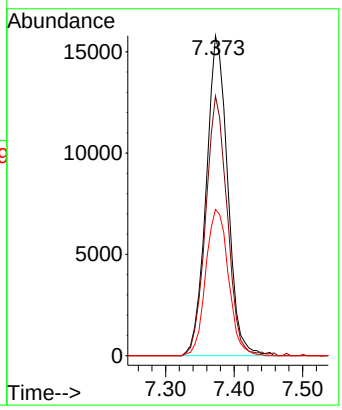




#39
Methylcyclohexane
Concen: 19.611 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 83 Resp: 3434

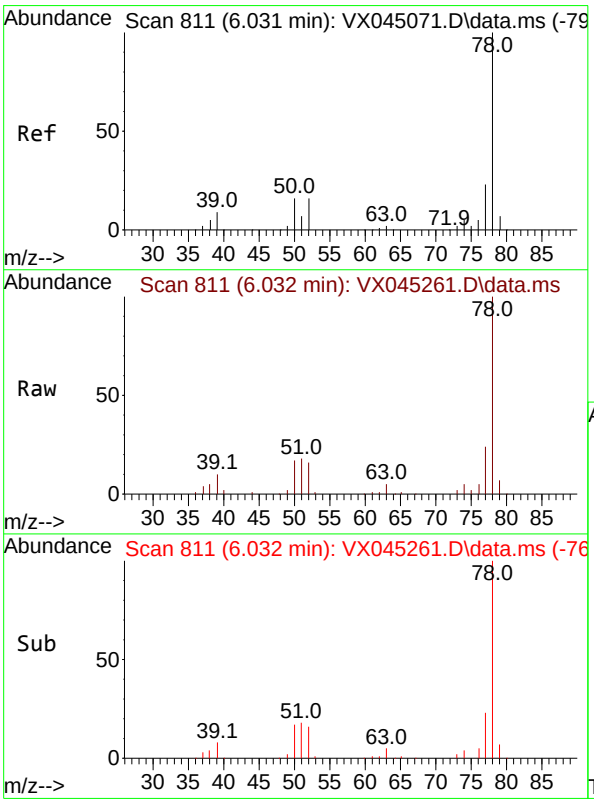
Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.0	94.4
98	45.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

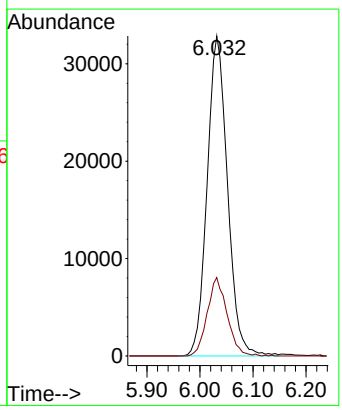
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

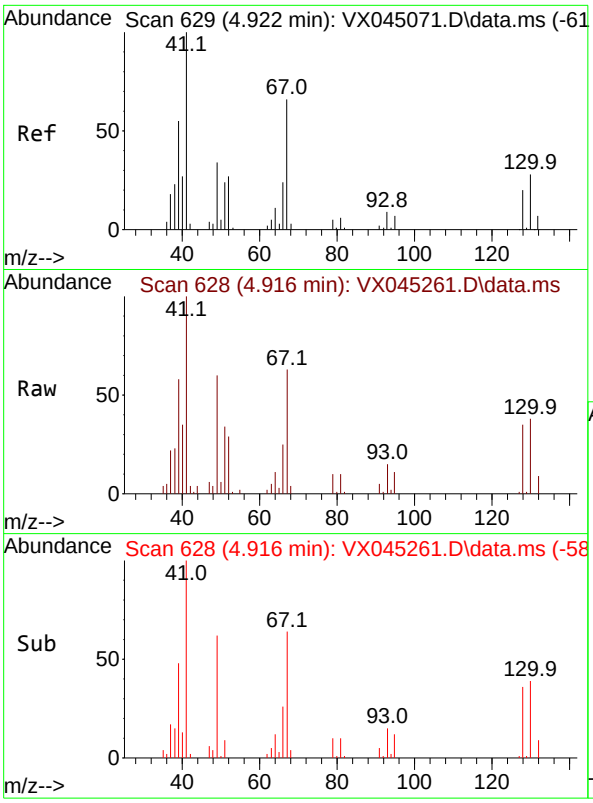


#40
Benzene
Concen: 18.989 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 78 Resp: 87643

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

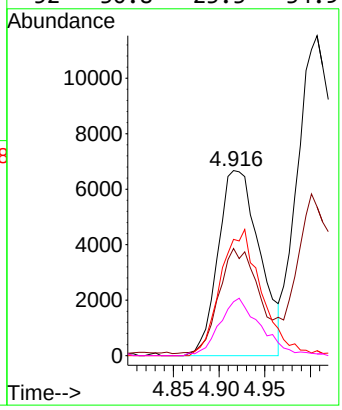




#41
Methacrylonitrile
Concen: 20.808 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 41 Resp: 2119

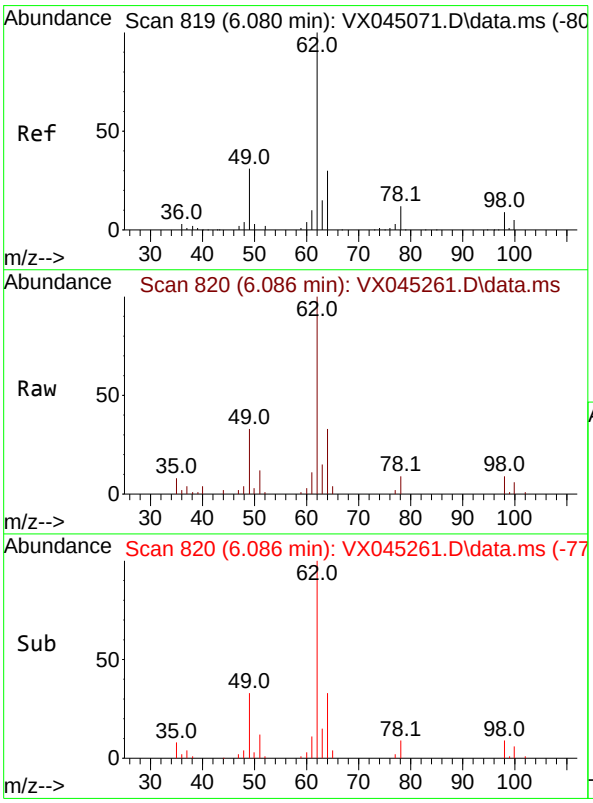
Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.6	67.0
67	67.9	53.9	80.9
52	30.8	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

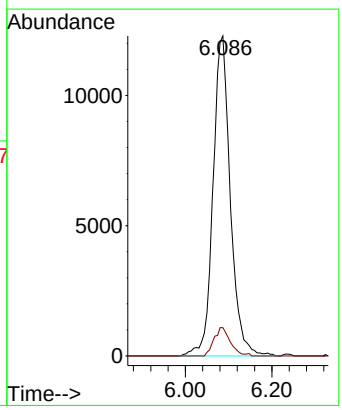
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

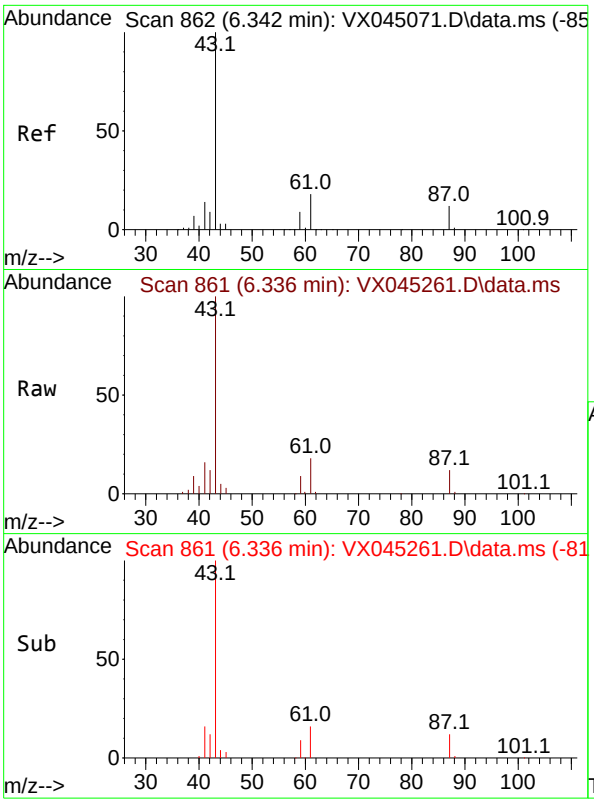


#42
1,2-Dichloroethane
Concen: 20.534 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 62 Resp: 34127

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.569 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

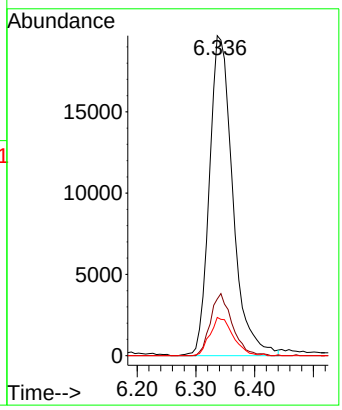
Tgt Ion: 43 Resp: 5450

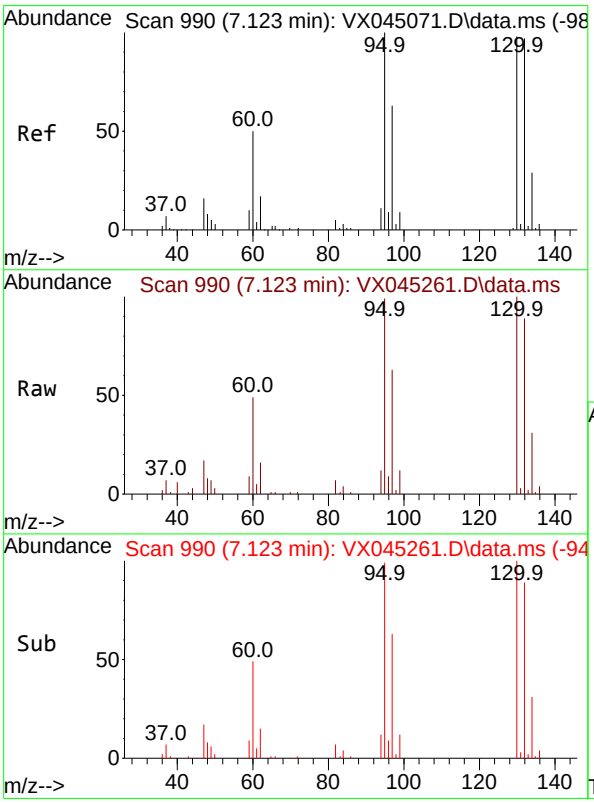
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

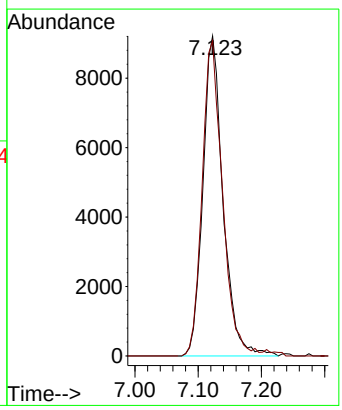


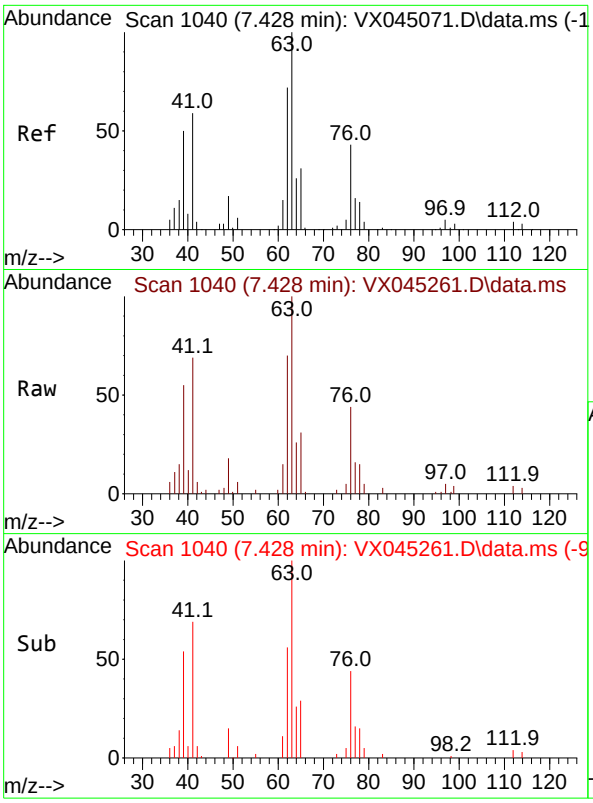


#44
Trichloroethene
Concen: 18.821 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:130 Resp: 20397

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	205.0

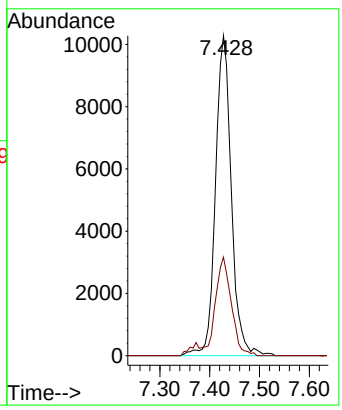




#45
1,2-Dichloropropane
Concen: 19.165 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 63 Resp: 2274

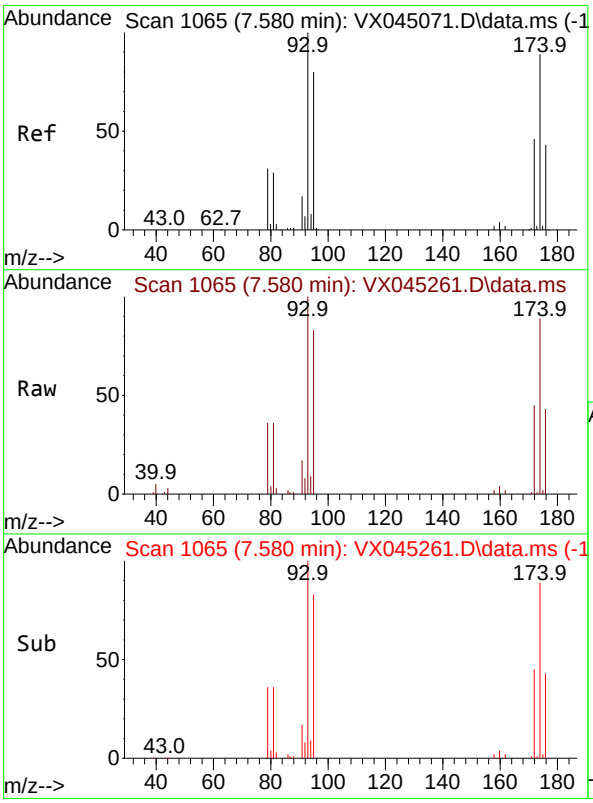
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

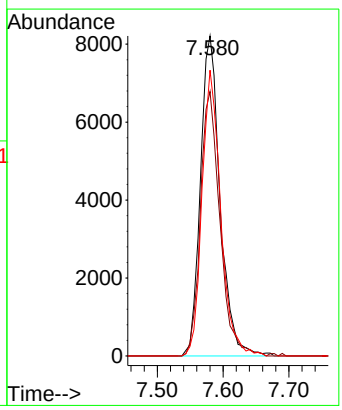
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

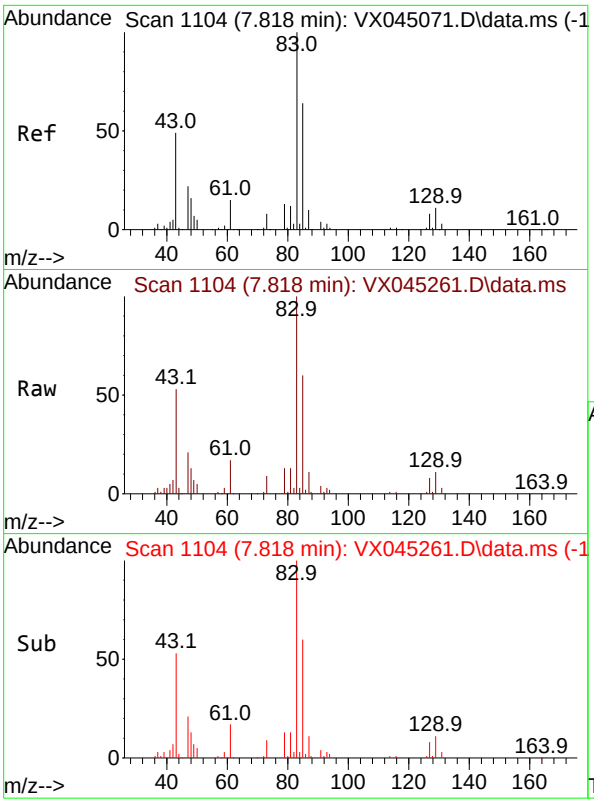


#46
Dibromomethane
Concen: 20.290 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 93 Resp: 17018

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.5	72.2	108.2

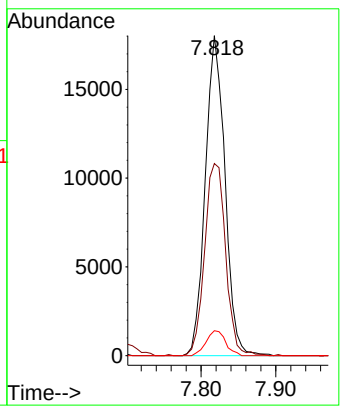




#47
Bromodichloromethane
Concen: 20.017 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 83 Resp: 3293

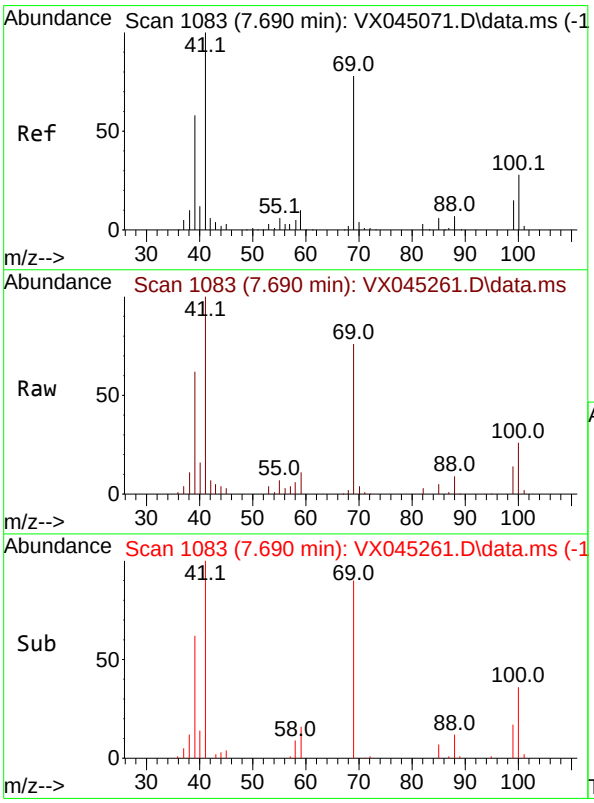
Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

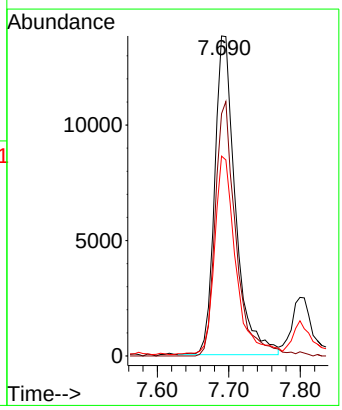
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

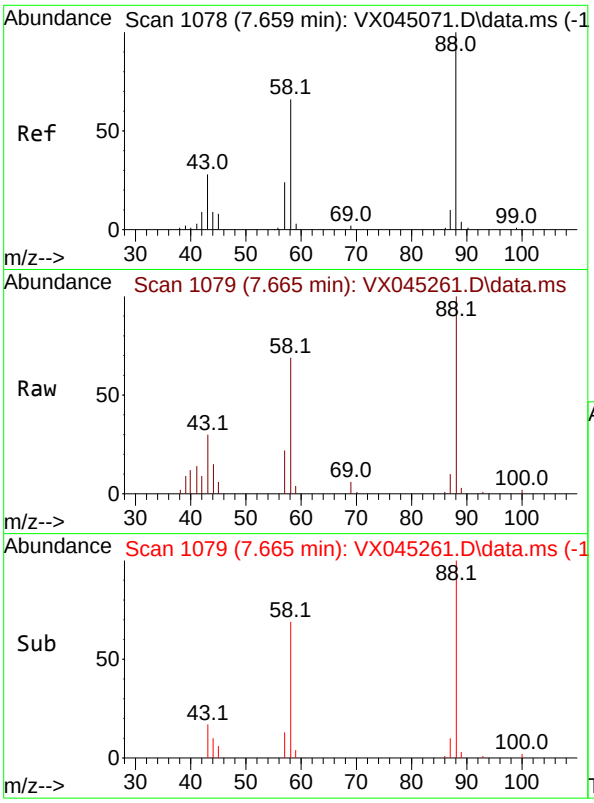


#48
Methyl methacrylate
Concen: 19.967 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 41 Resp: 27898

Ion	Ratio	Lower	Upper
41	100		
69	79.2	63.0	94.6
39	63.4	47.5	71.3

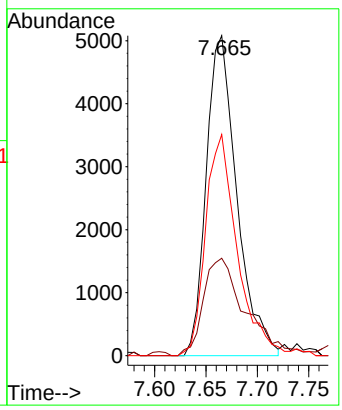




#49
1,4-Dioxane
Concen: 357.320 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 88 Resp: 1053

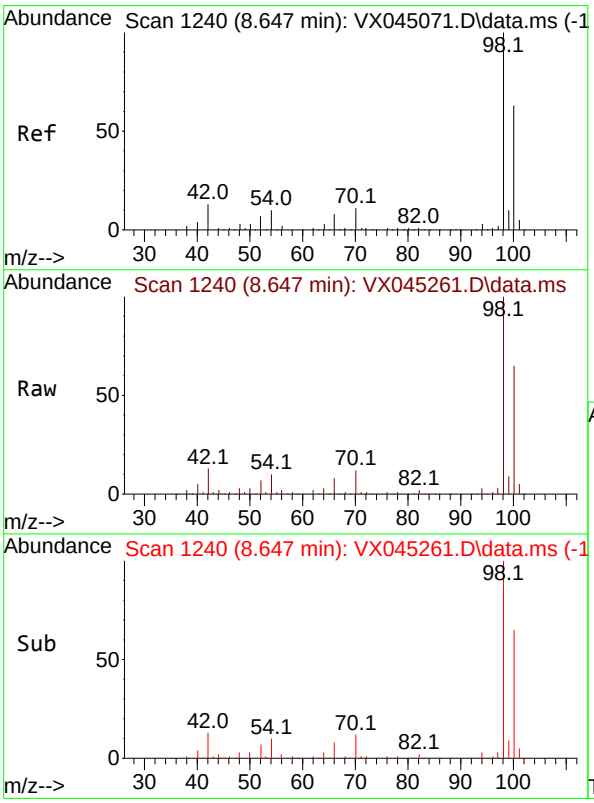
Ion	Ratio	Lower	Upper
88	100		
43	42.1	28.7	43.1
58	71.4	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

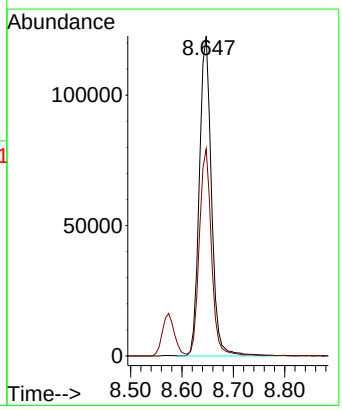
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

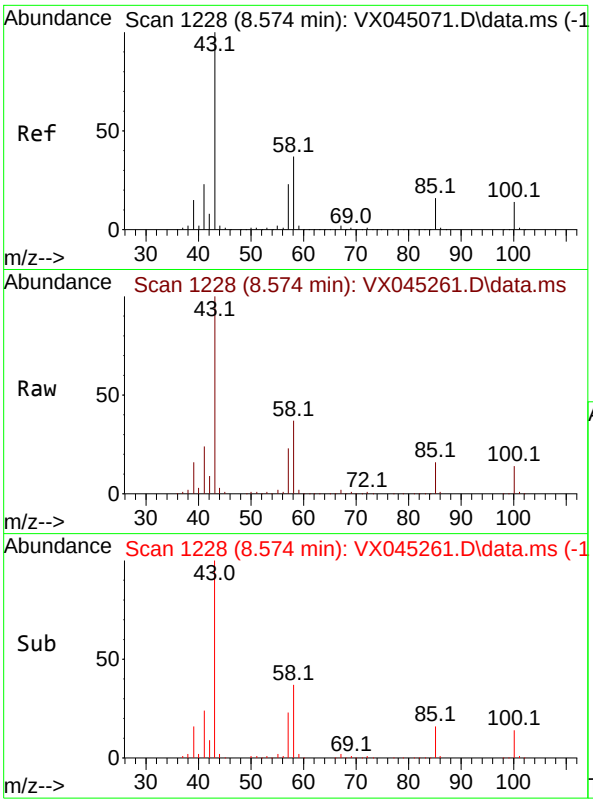


#50
Toluene-d8
Concen: 52.075 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 98 Resp: 201206

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

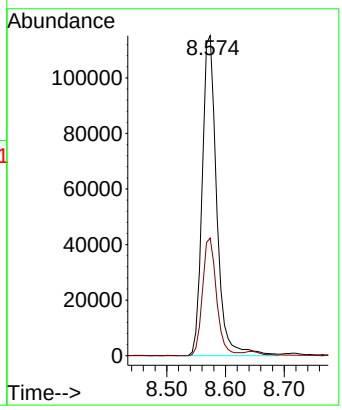




#51
4-Methyl-2-Pentanone
Concen: 105.941 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 19810

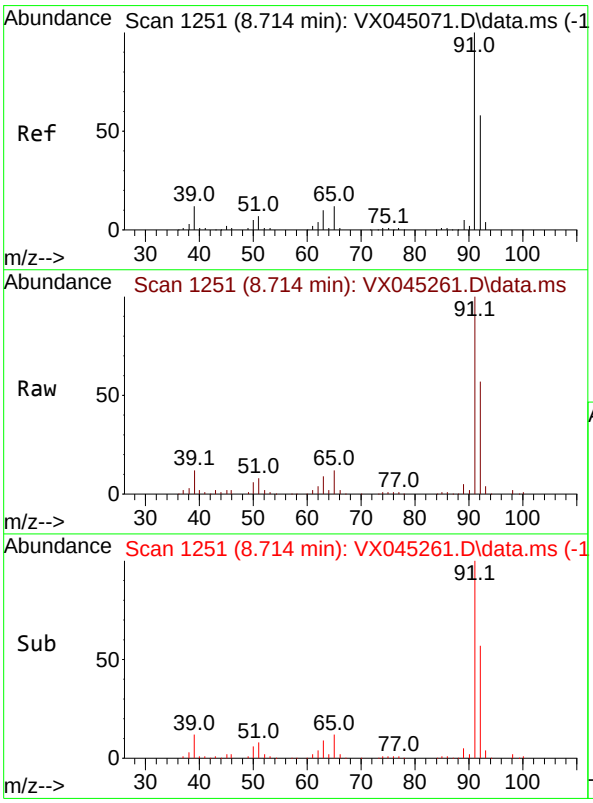
Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

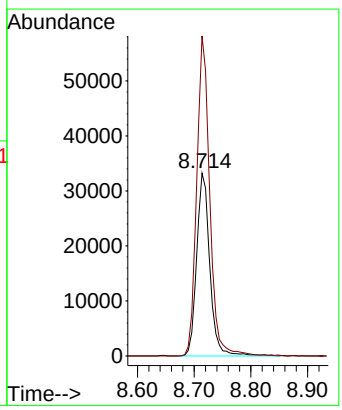
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

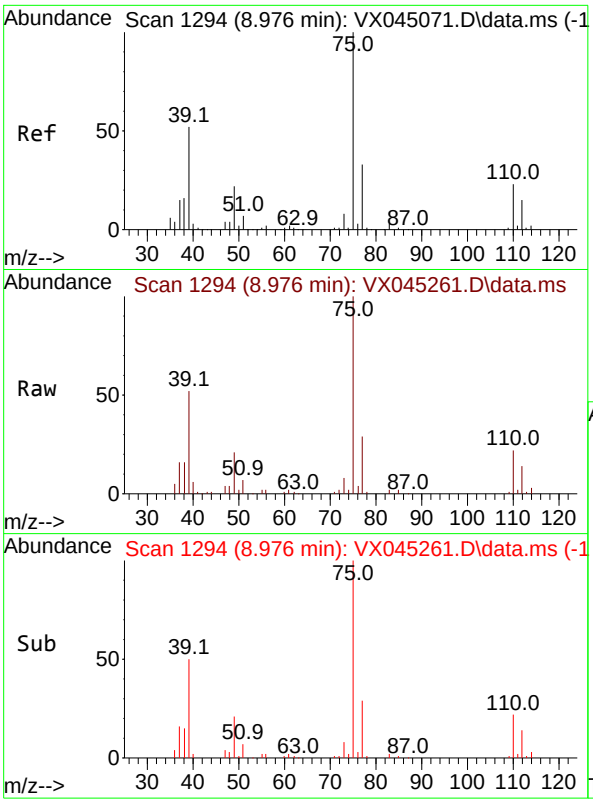


#52
Toluene
Concen: 19.748 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 92 Resp: 53476

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.9	208.3

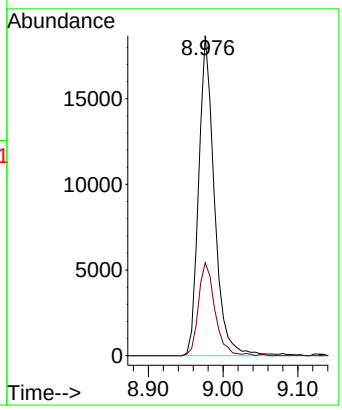




#53
t-1,3-Dichloropropene
Concen: 19.809 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 2724

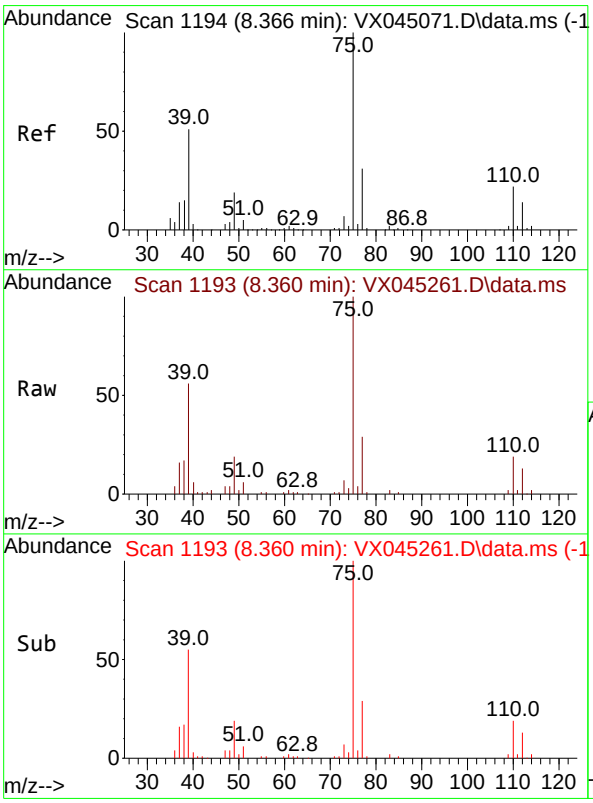
Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

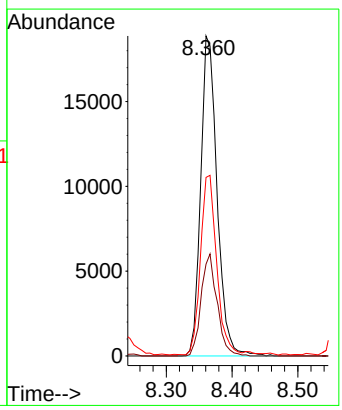
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

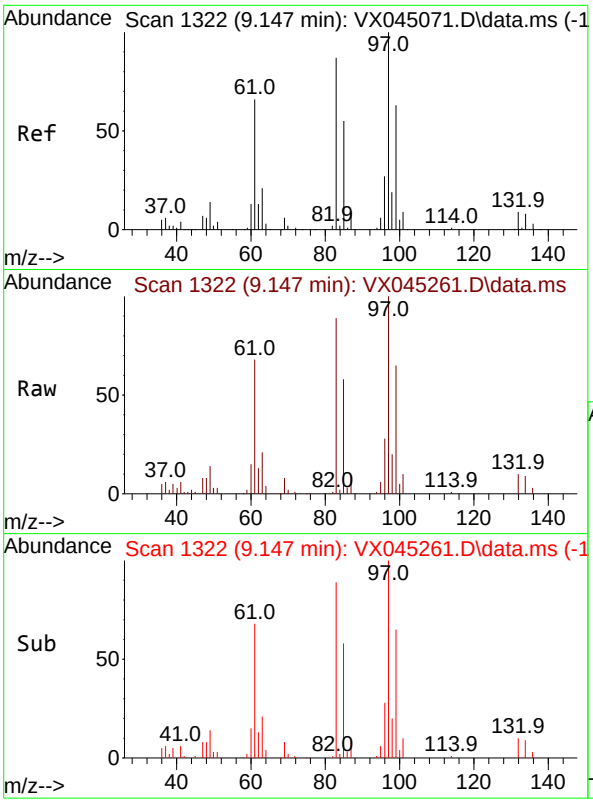


#54
cis-1,3-Dichloropropene
Concen: 20.424 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 32757

Ion	Ratio	Lower	Upper
75	100		
77	28.7	24.7	37.1
39	55.5	40.7	61.1

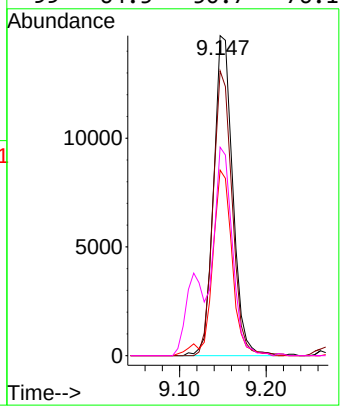




#55
1,1,2-Trichloroethane
Concen: 20.241 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 97 Resp: 2256

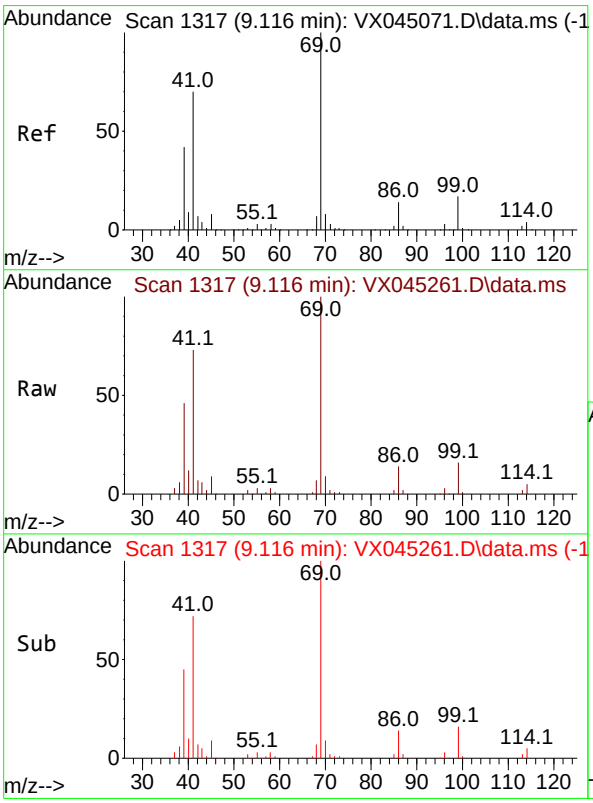
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.4	104.2
85	58.0	44.1	66.1
99	64.5	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

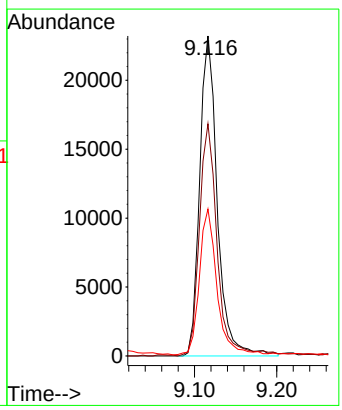
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

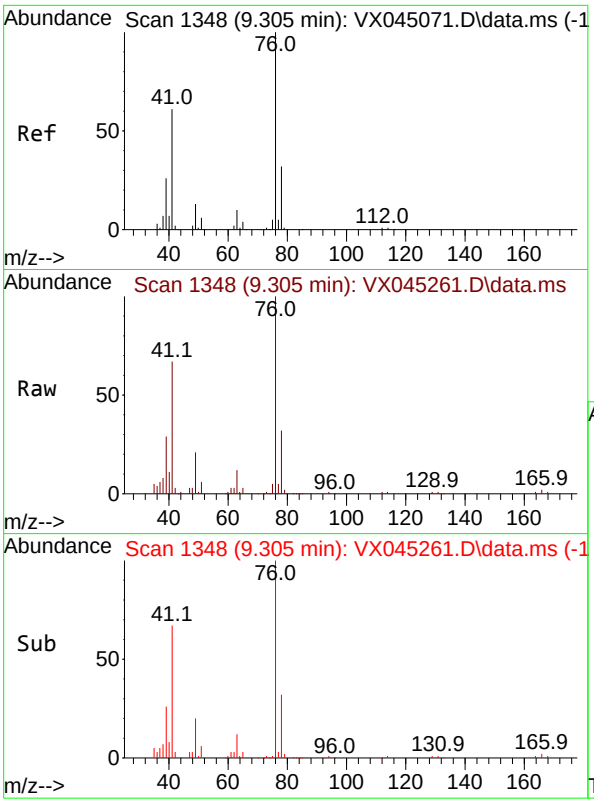


#56
Ethyl methacrylate
Concen: 20.451 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 69 Resp: 34656

Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.0	85.4
39	45.2	34.2	51.4

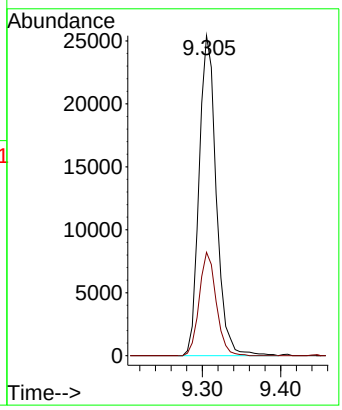




#57
1,3-Dichloropropane
Concen: 20.083 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 76 Resp: 3874

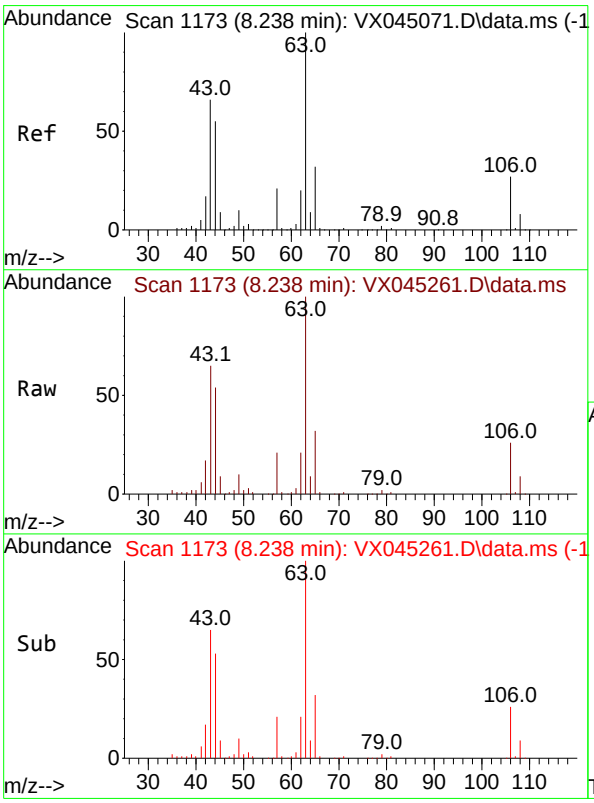
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

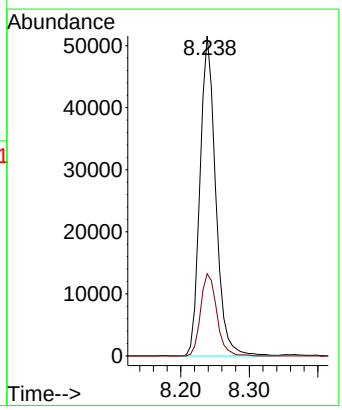
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

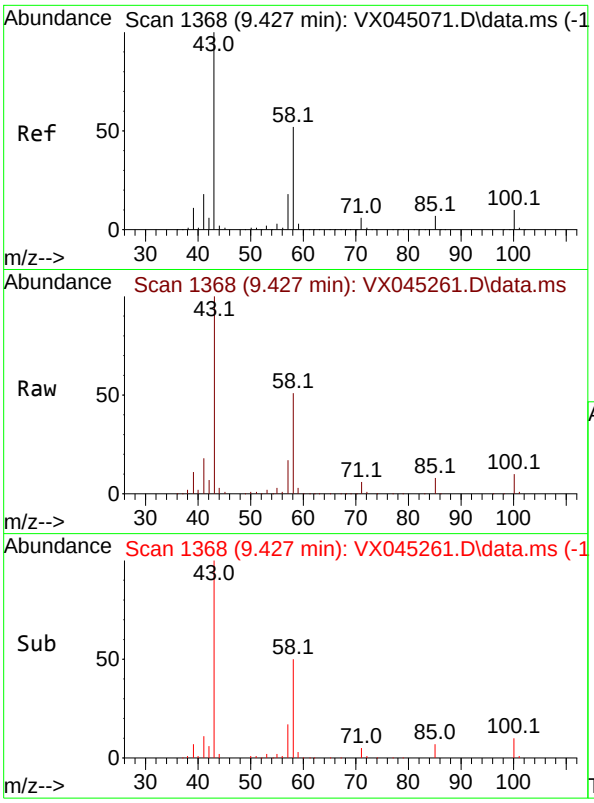


#58
2-Chloroethyl Vinyl ether
Concen: 99.689 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 63 Resp: 82405

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3

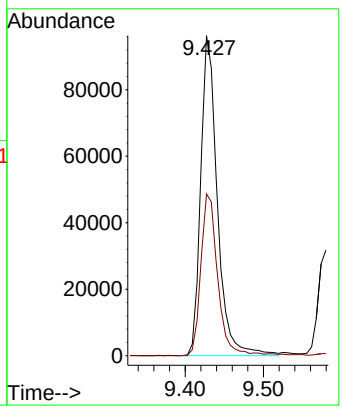




#59
2-Hexanone
Concen: 104.746 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 14191

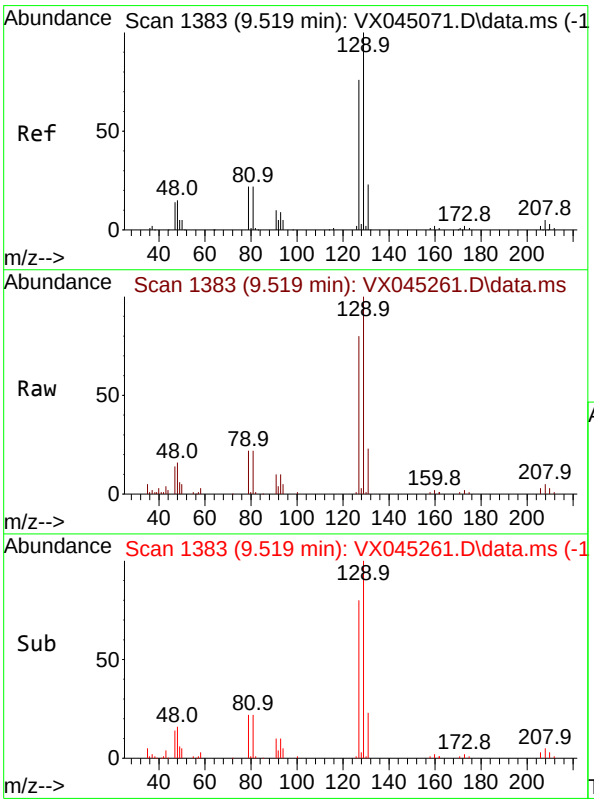
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

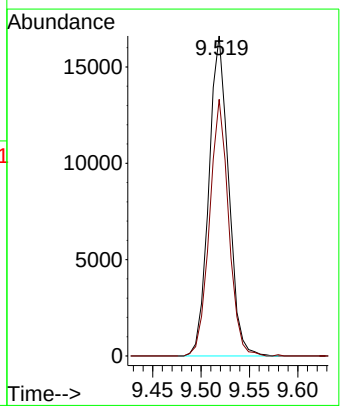
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

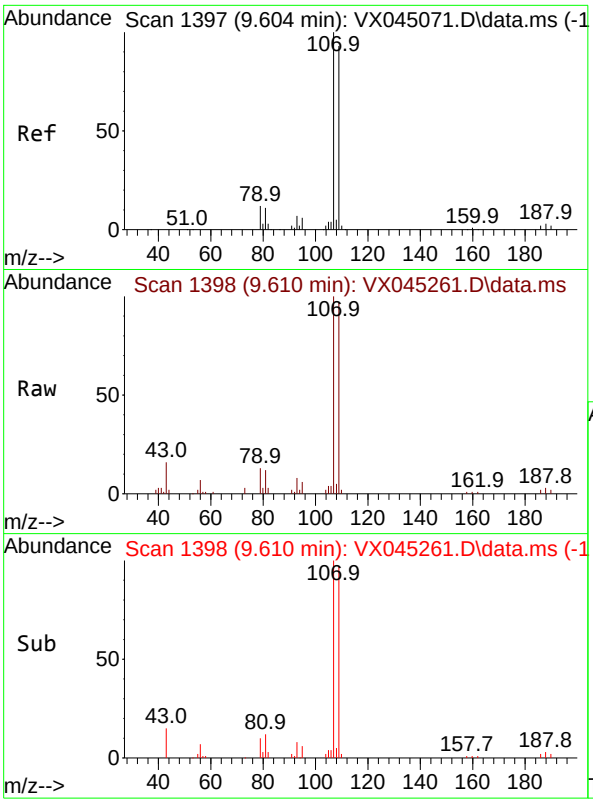


#60
Dibromochloromethane
Concen: 20.262 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:129 Resp: 23618

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5

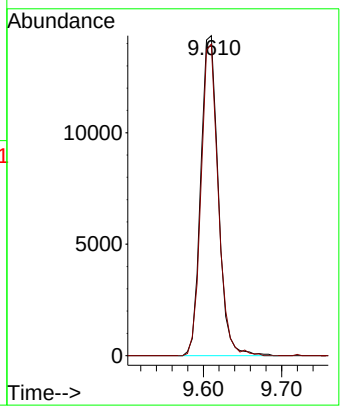




#61
1,2-Dibromoethane
Concen: 19.981 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:107 Resp: 2223

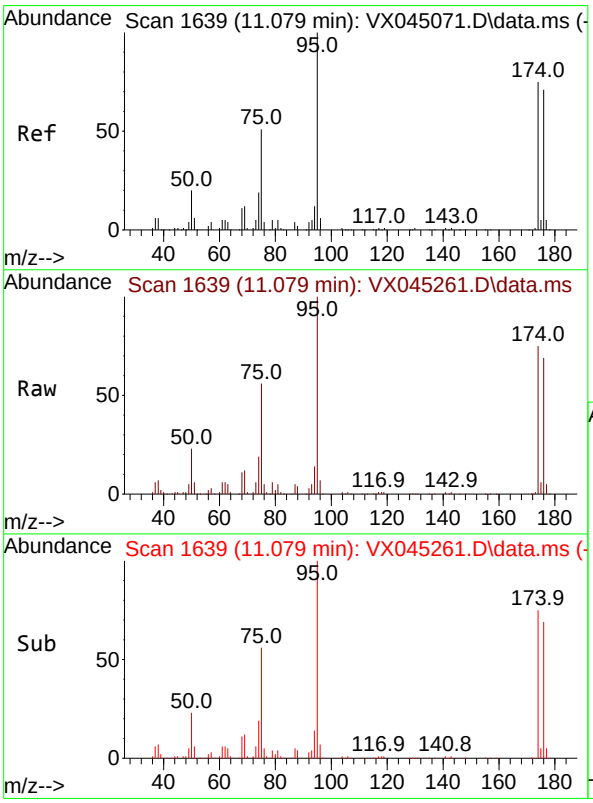
Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

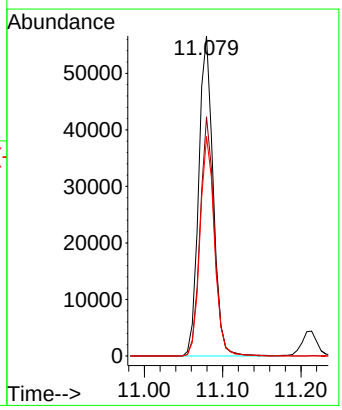
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

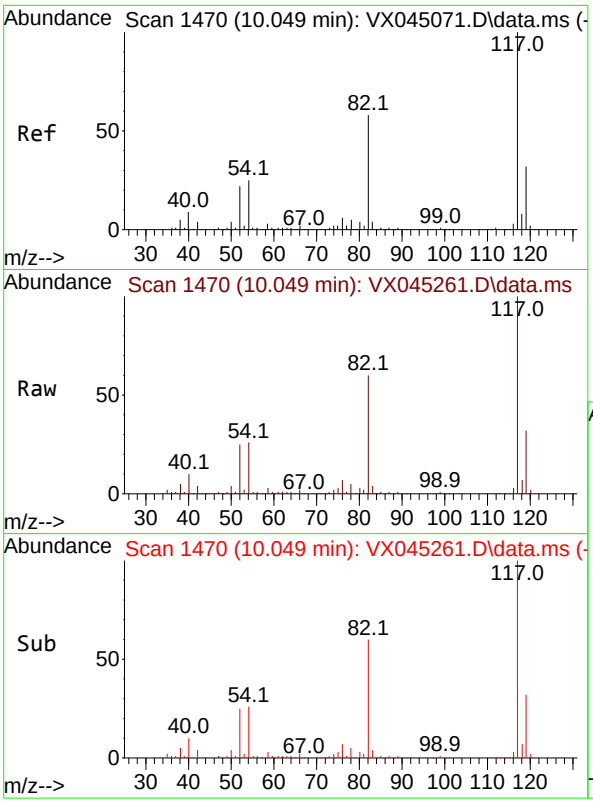


#62
4-Bromofluorobenzene
Concen: 56.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 95 Resp: 72484

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	68.4	0.0	141.4

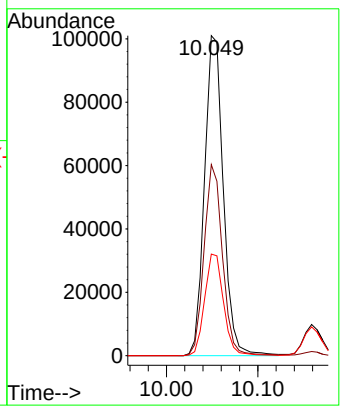




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:117 Resp: 14405

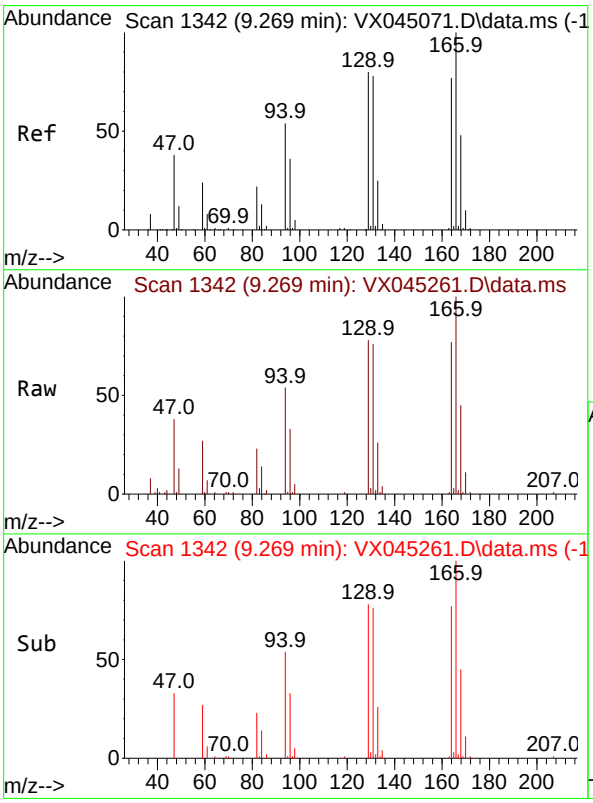
Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	31.8	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

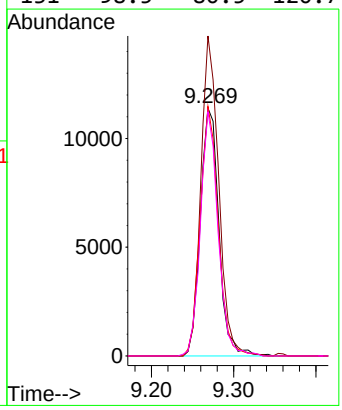
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

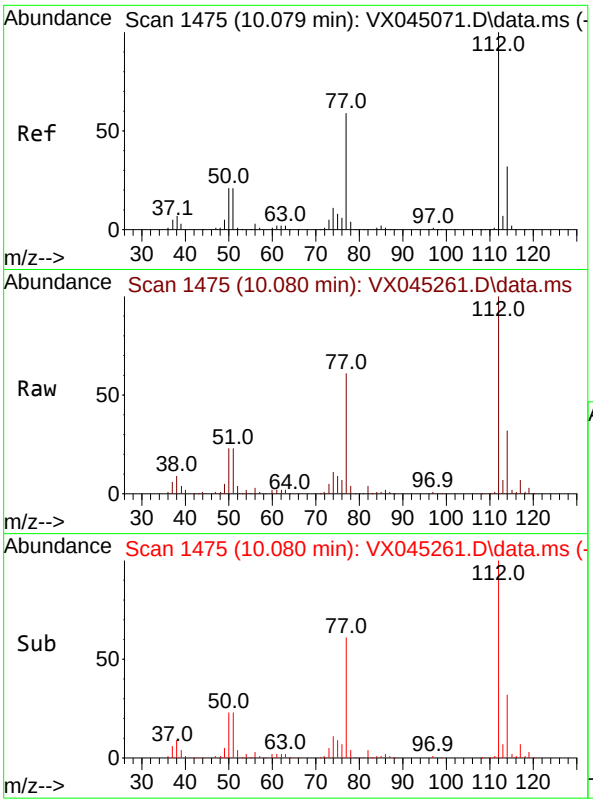


#64
Tetrachloroethene
Concen: 19.334 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:164 Resp: 17838

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	100.7	82.7	124.1
131	98.5	80.5	120.7

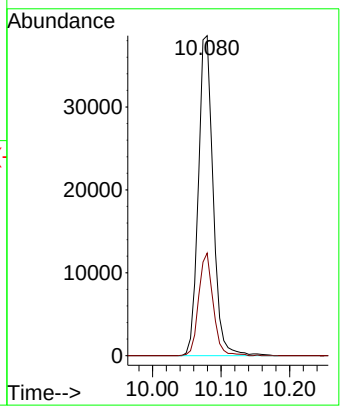




#65
Chlorobenzene
Concen: 19.041 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:112 Resp: 5803

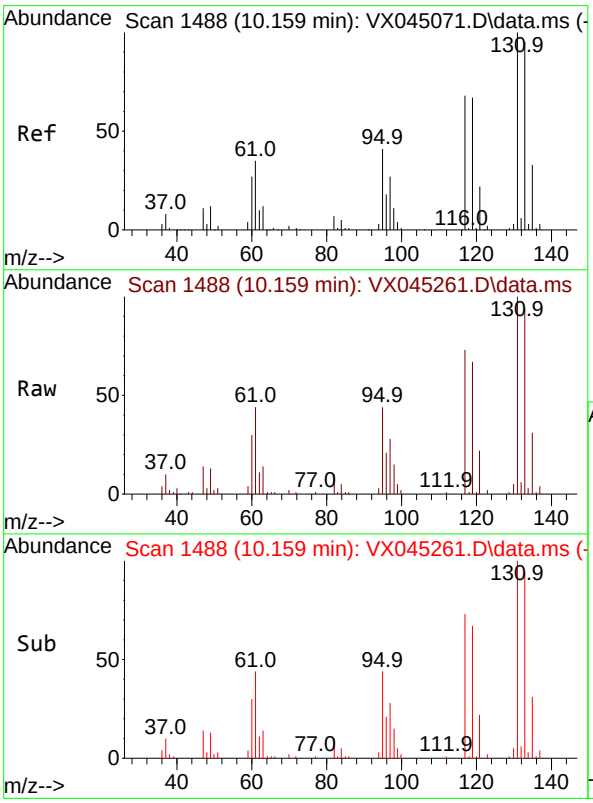
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

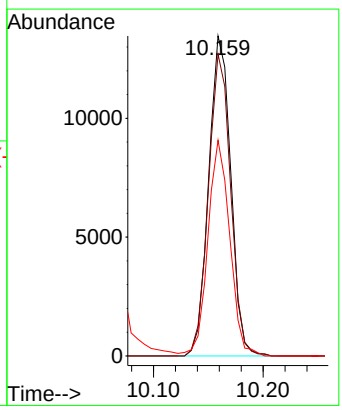
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

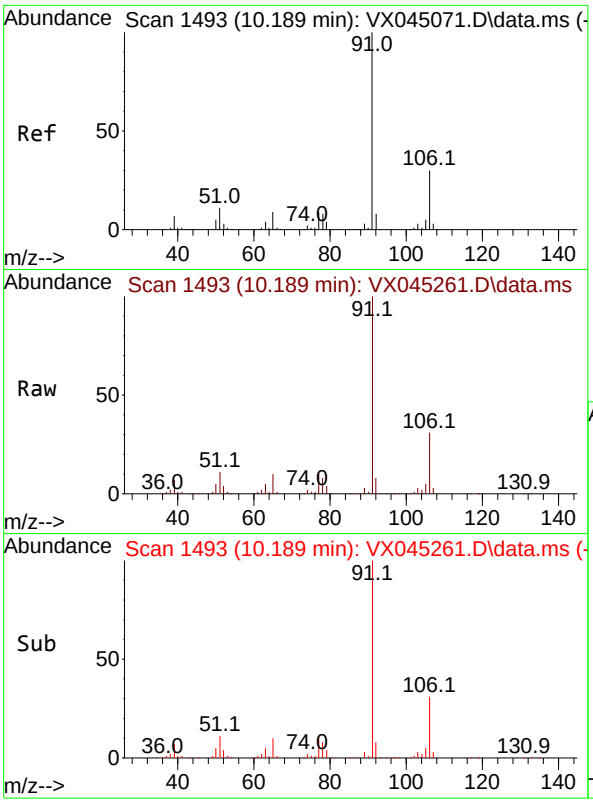


#66
1,1,1,2-Tetrachloroethane
Concen: 18.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:131 Resp: 18837

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	66.7	33.9	101.7





#67
Ethyl Benzene
Concen: 19.031 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

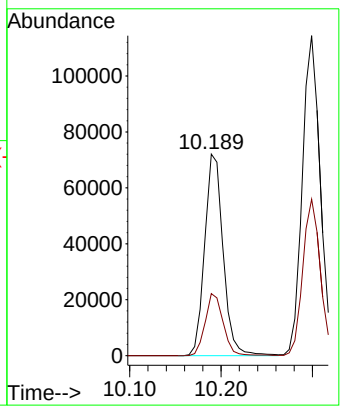
Tgt Ion: 91 Resp: 10107

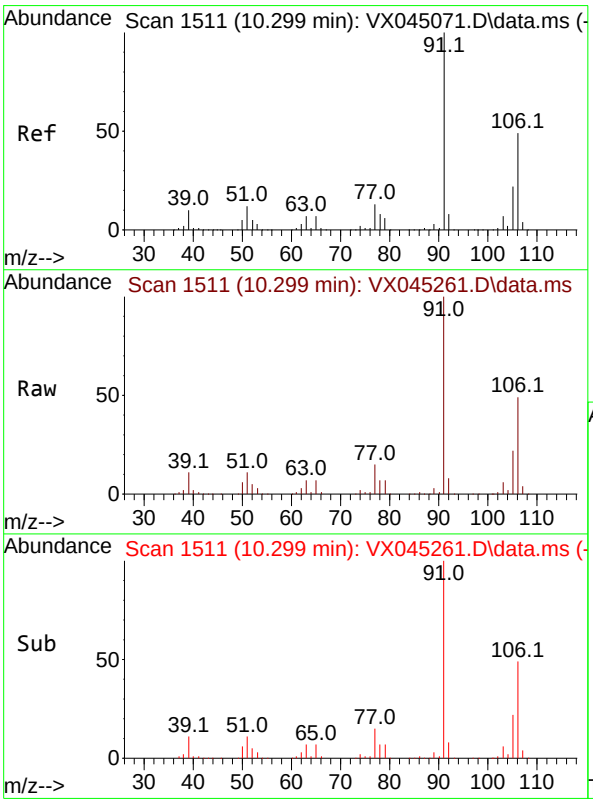
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

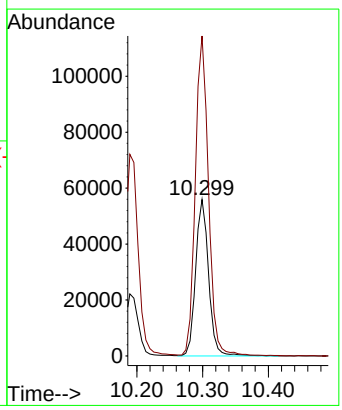


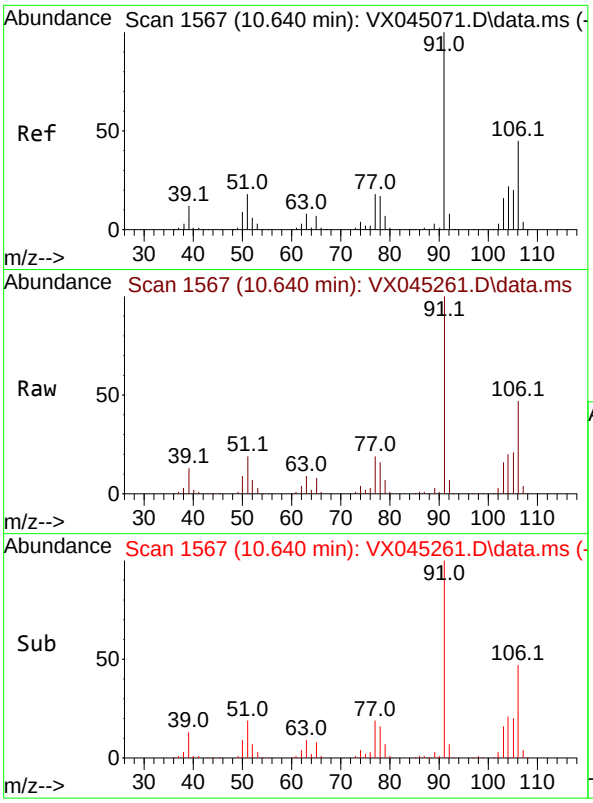


#68
m/p-Xylenes
Concen: 39.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:106 Resp: 76506

Ion	Ratio	Lower	Upper
106	100		
91	208.8	165.4	248.0

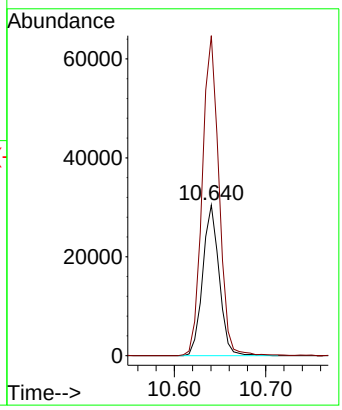




#69
o-Xylene
Concen: 19.426 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:106 Resp: 3809

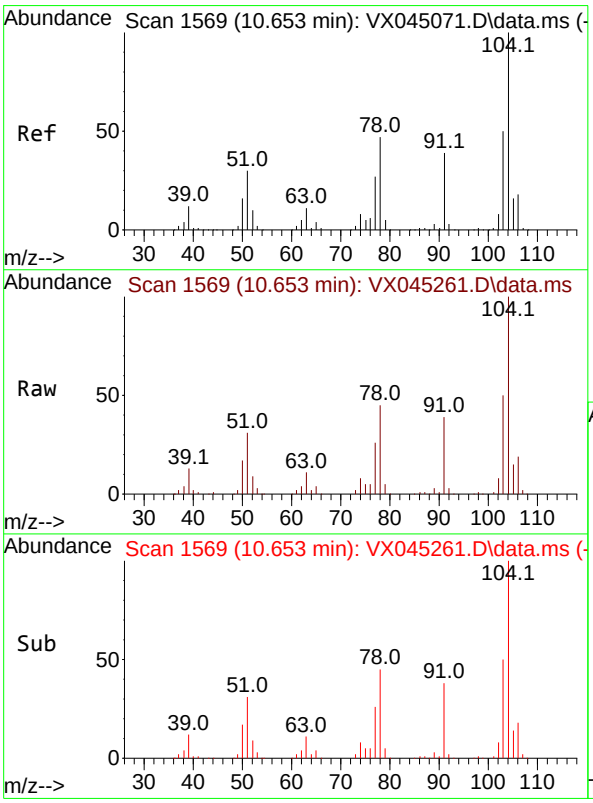
Ion	Ratio	Lower	Upper
106	100		
91	216.0	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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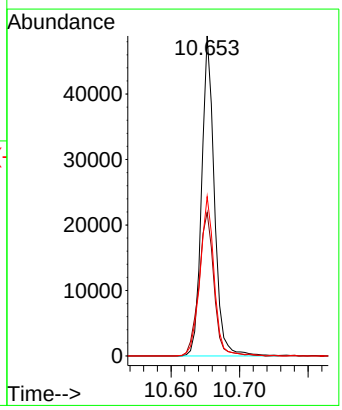
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

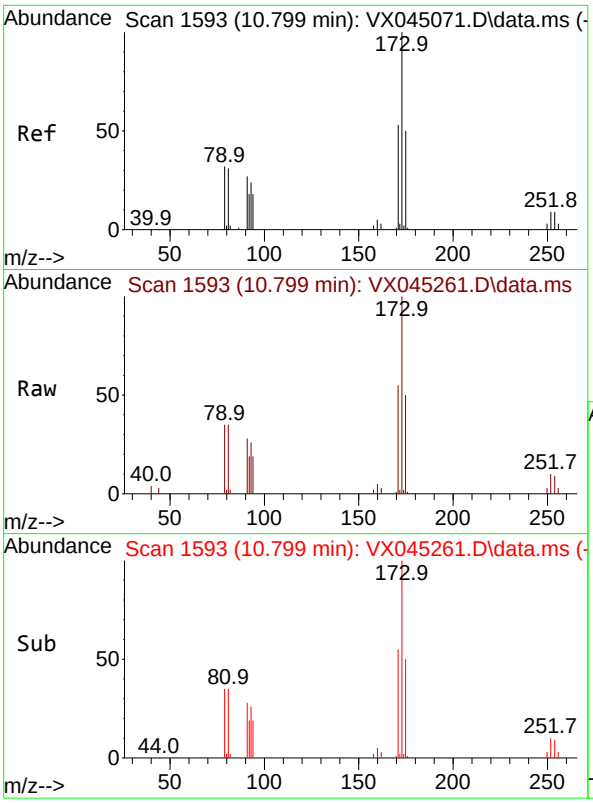


#70
Styrene
Concen: 20.022 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:104 Resp: 63529

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	55.0	43.8	65.8

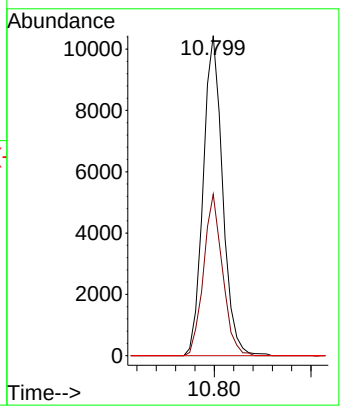




#71
Bromoform
Concen: 19.065 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:173 Resp: 1459

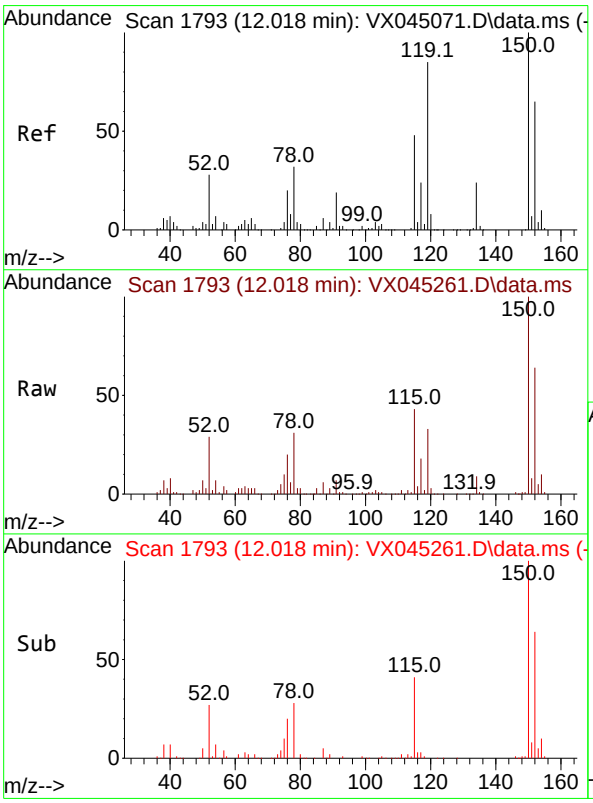
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

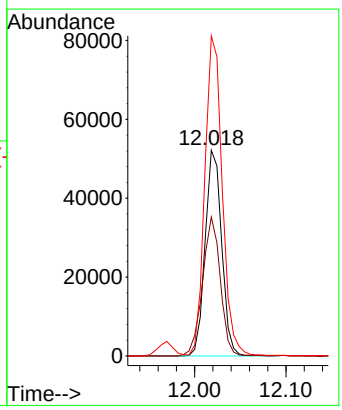
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

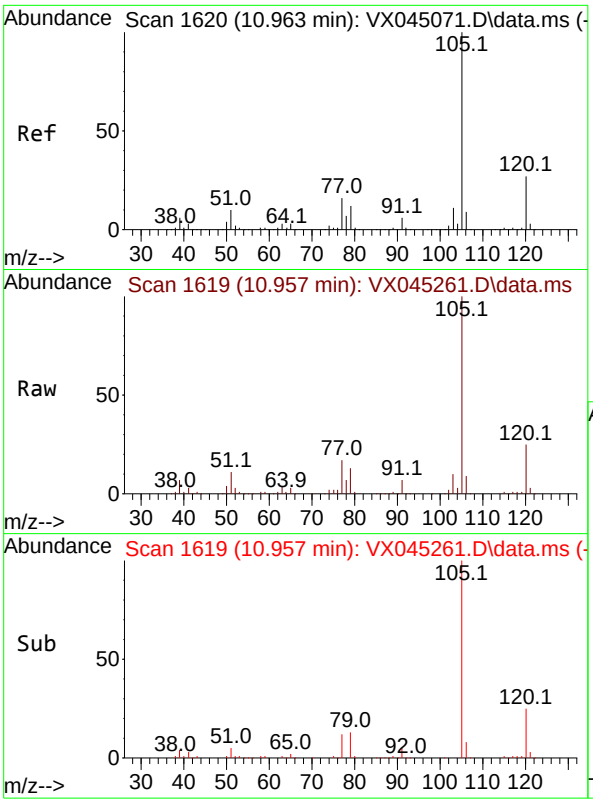


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:152 Resp: 65608

Ion	Ratio	Lower	Upper
152	100		
115	72.4	44.2	132.6
150	163.4	0.0	349.0

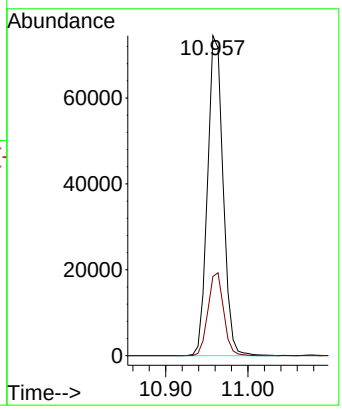




#73
Isopropylbenzene
Concen: 19.159 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 9811

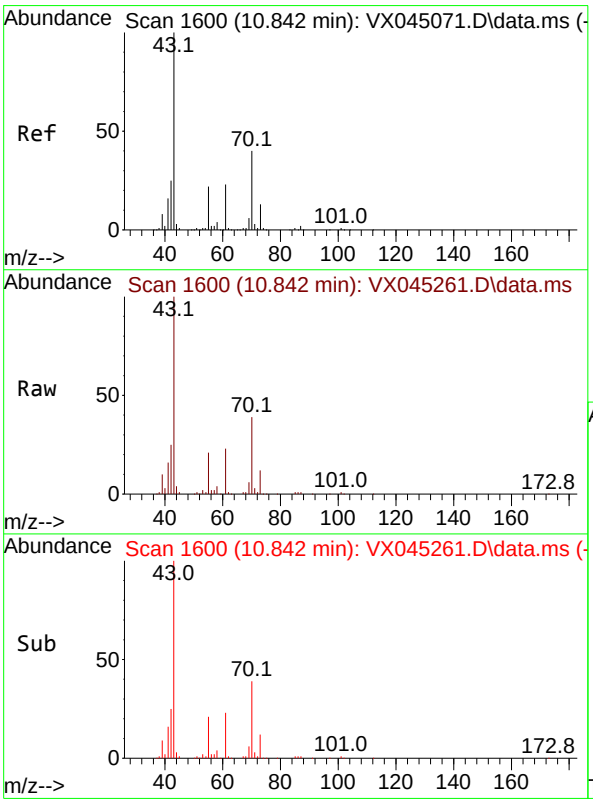
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

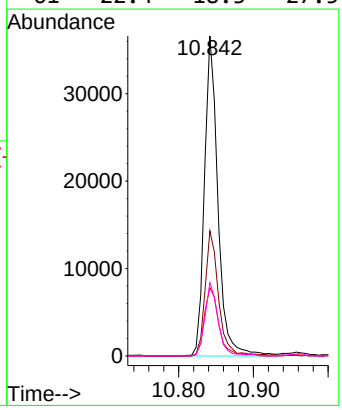
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

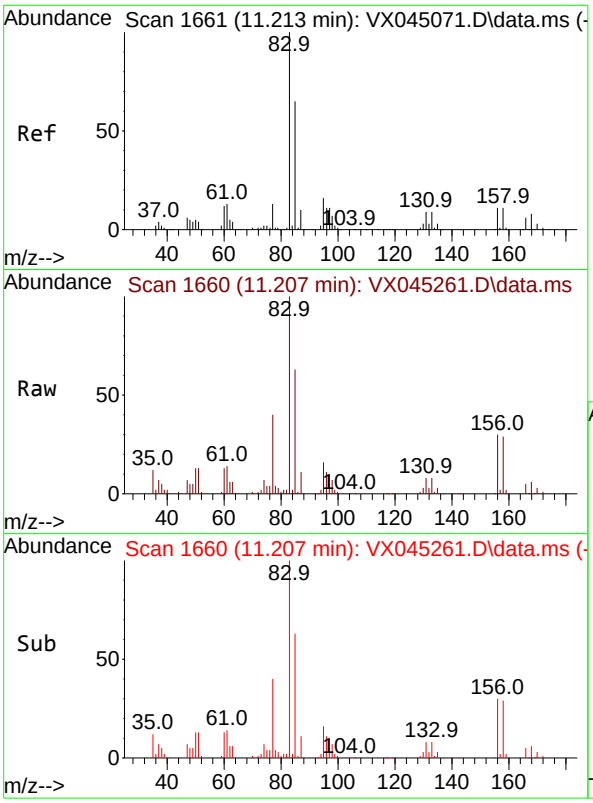


#74
N-amyl acetate
Concen: 19.074 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 45833

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	23.1	18.3	27.5
61	22.4	18.3	27.5

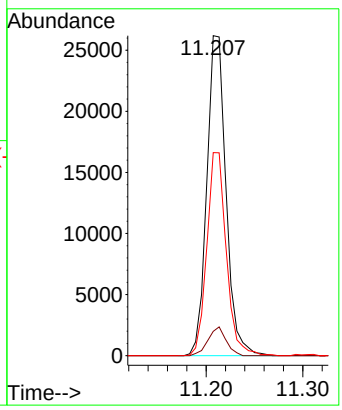




#75
1,1,2,2-Tetrachloroethane
Concen: 19.306 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 83 Resp: 3627

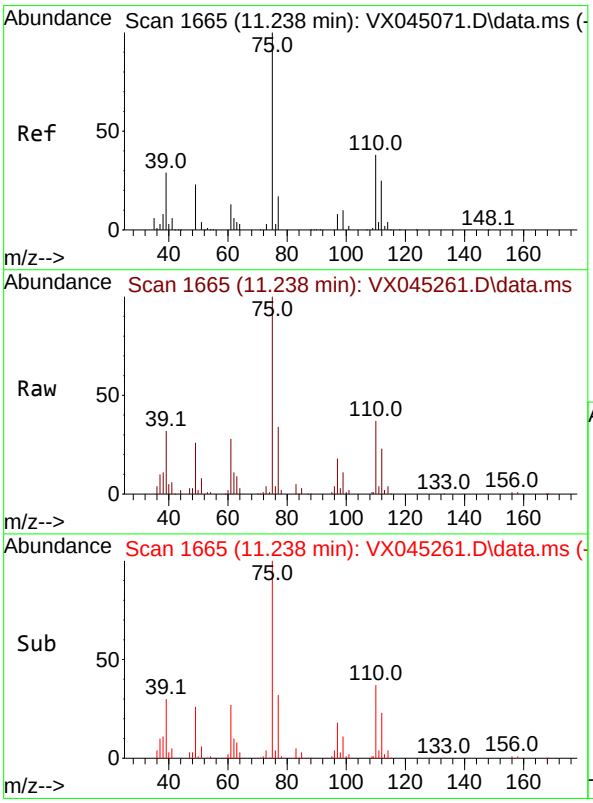
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.5	13.4
85	64.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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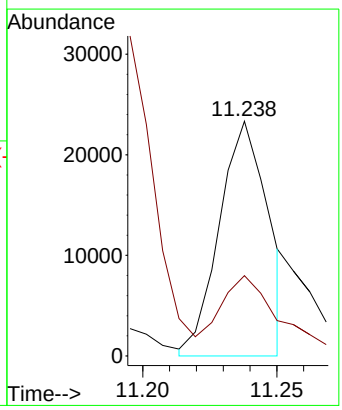
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

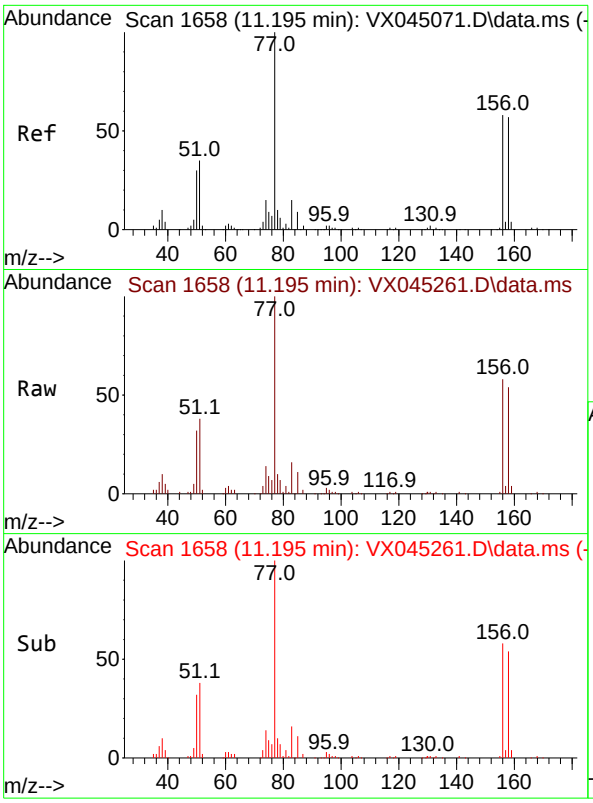


#76
1,2,3-Trichloropropane
Concen: 19.402 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 29628

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.7	62.1

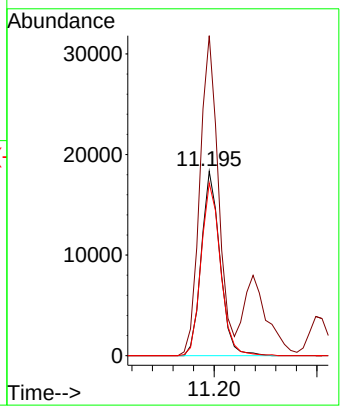




#77
Bromobenzene
Concen: 19.190 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:156 Resp: 2318

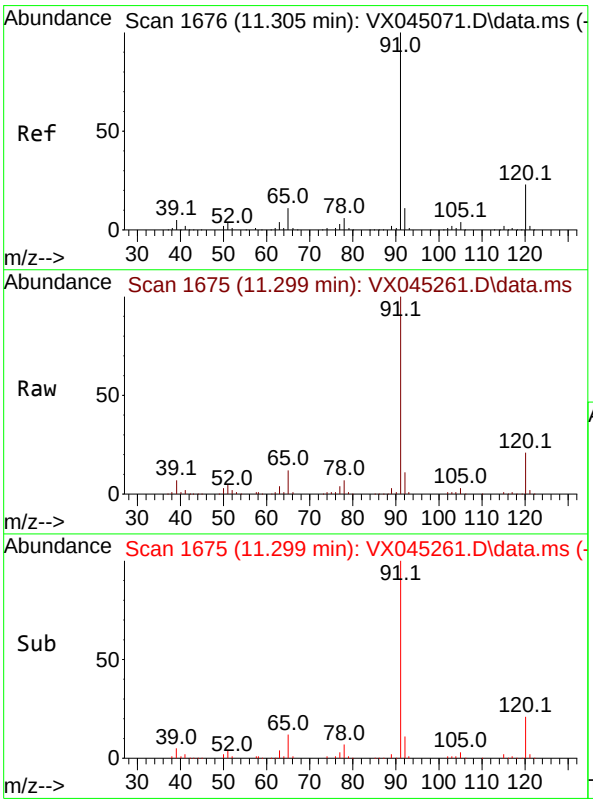
Ion	Ratio	Lower	Upper
156	100		
77	172.4	85.8	257.4
158	97.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

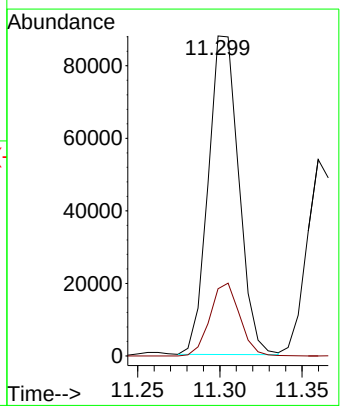
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

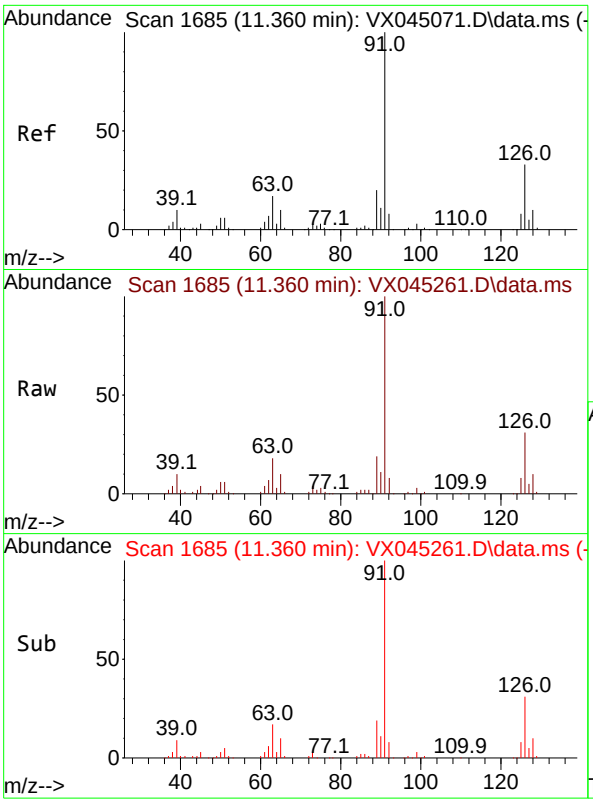


#78
n-propylbenzene
Concen: 19.647 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 91 Resp: 113653

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6

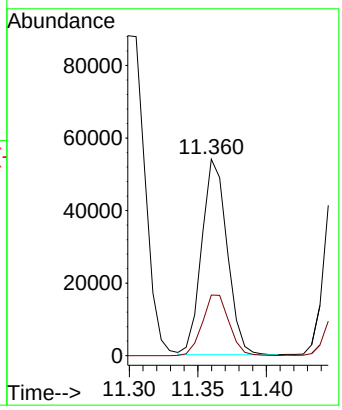




#79
2-Chlorotoluene
Concen: 18.847 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 91 Resp: 6943

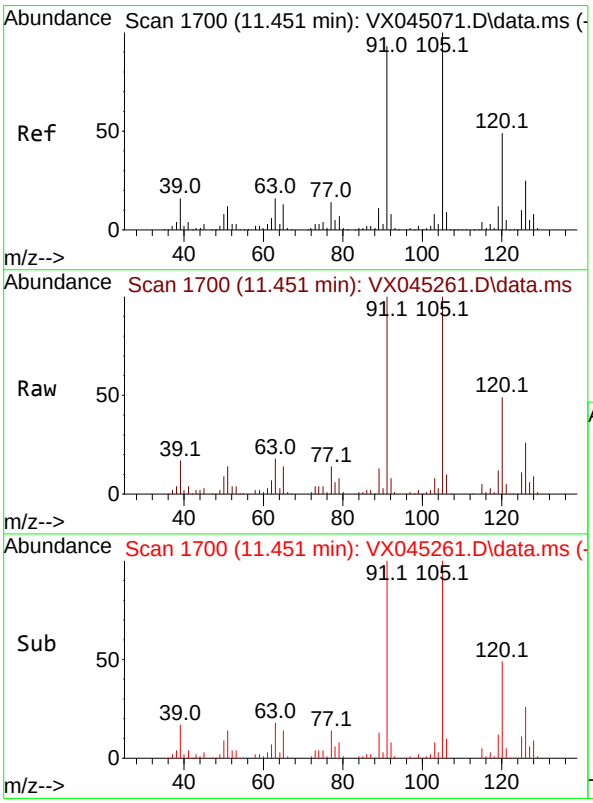
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

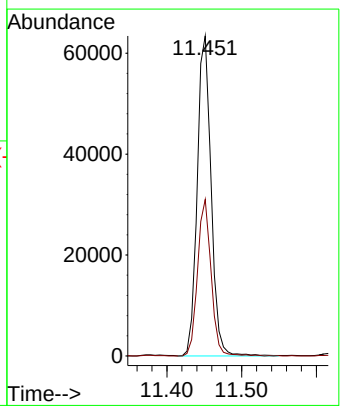
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

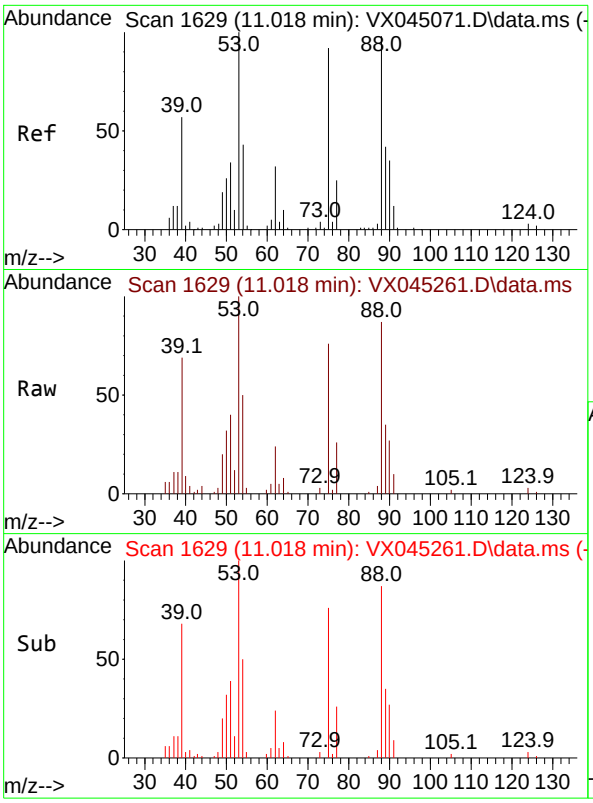


#80
1,3,5-Trimethylbenzene
Concen: 19.758 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 81812

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.059 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

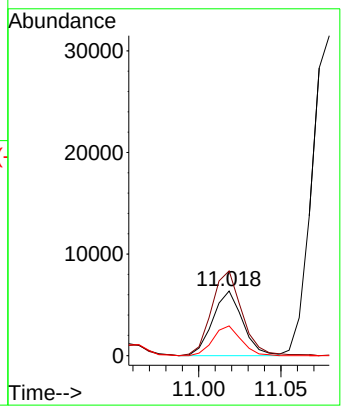
Tgt Ion: 75 Resp: 805

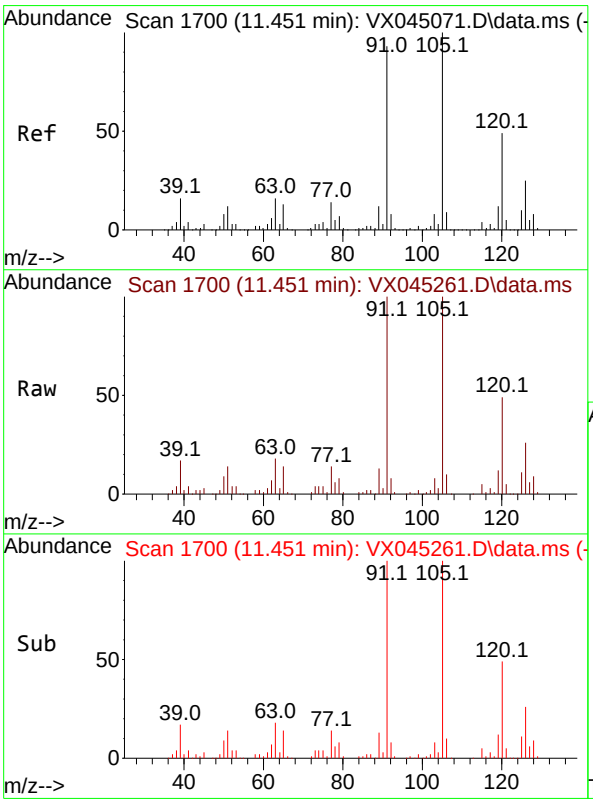
Ion	Ratio	Lower	Upper
75	100		
53	133.6	88.5	132.7
89	43.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

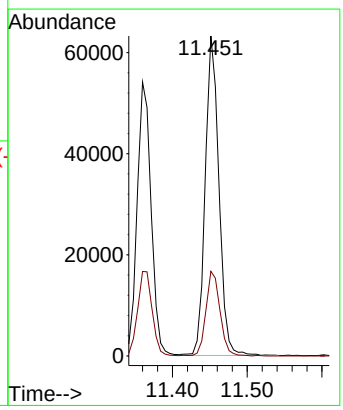


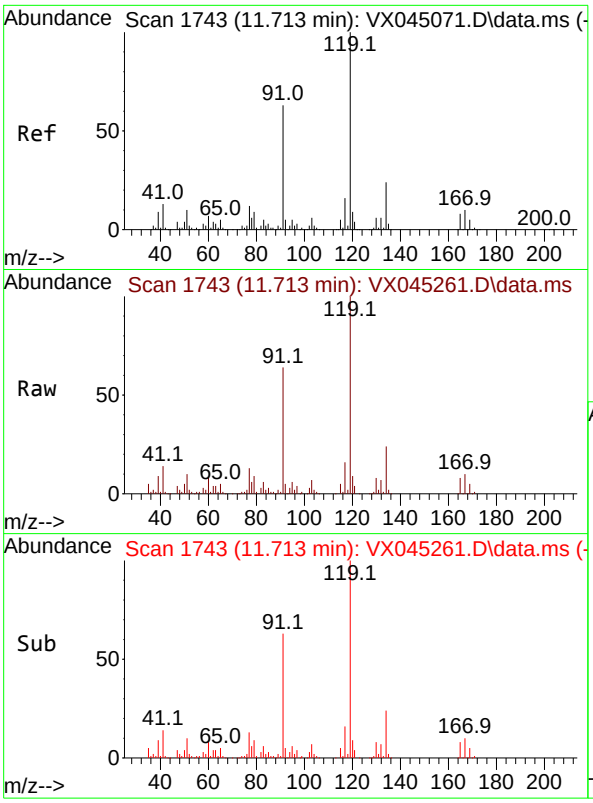


#82
4-Chlorotoluene
Concen: 20.026 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 91 Resp: 80408

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

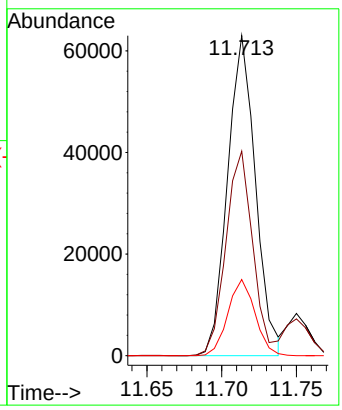




#83
tert-Butylbenzene
Concen: 19.222 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:119 Resp: 8178

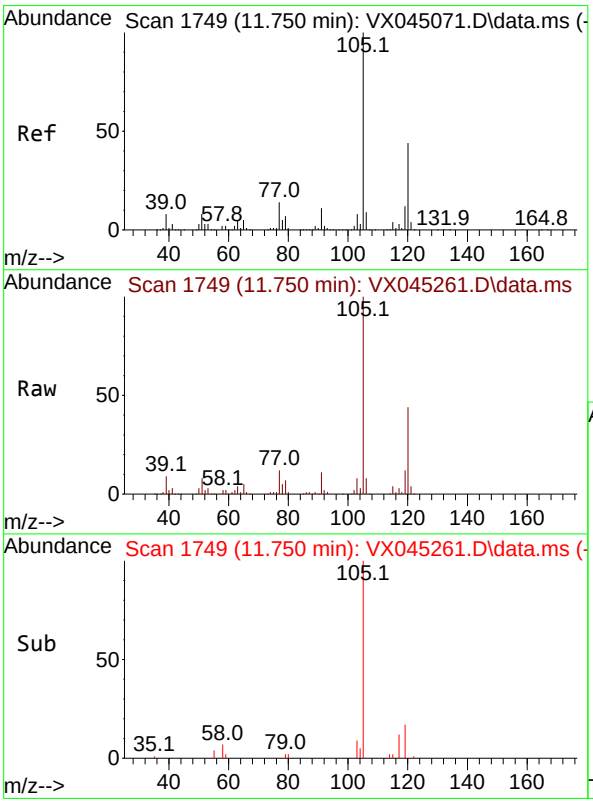
Ion	Ratio	Lower	Upper
119	100		
91	62.4	30.7	92.1
134	23.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

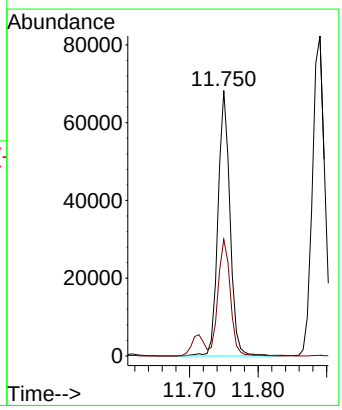
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

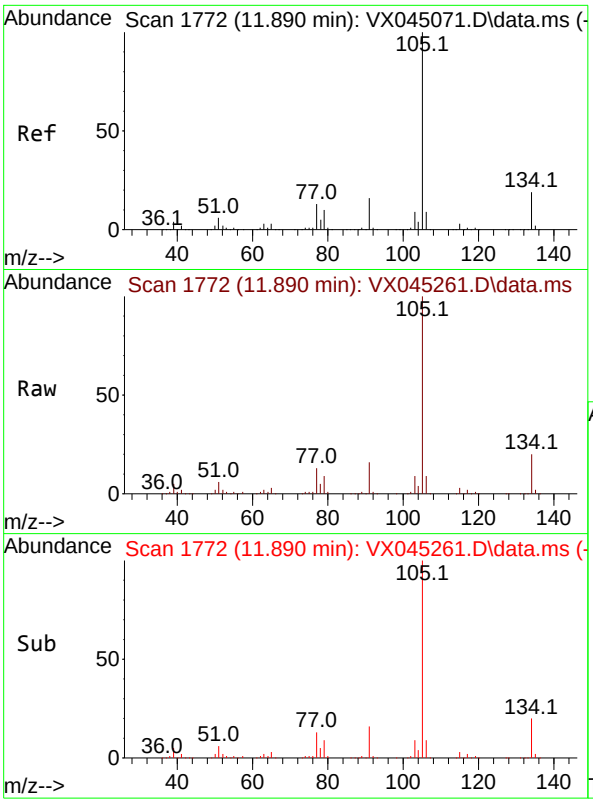


#84
1,2,4-Trimethylbenzene
Concen: 19.820 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 82575

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.1

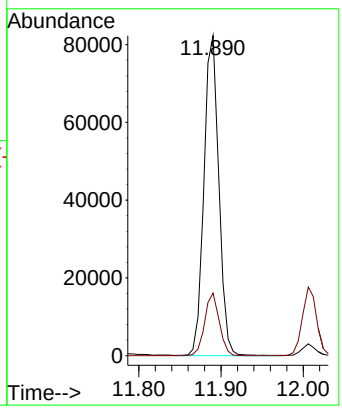




#85
sec-Butylbenzene
Concen: 20.341 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 10366

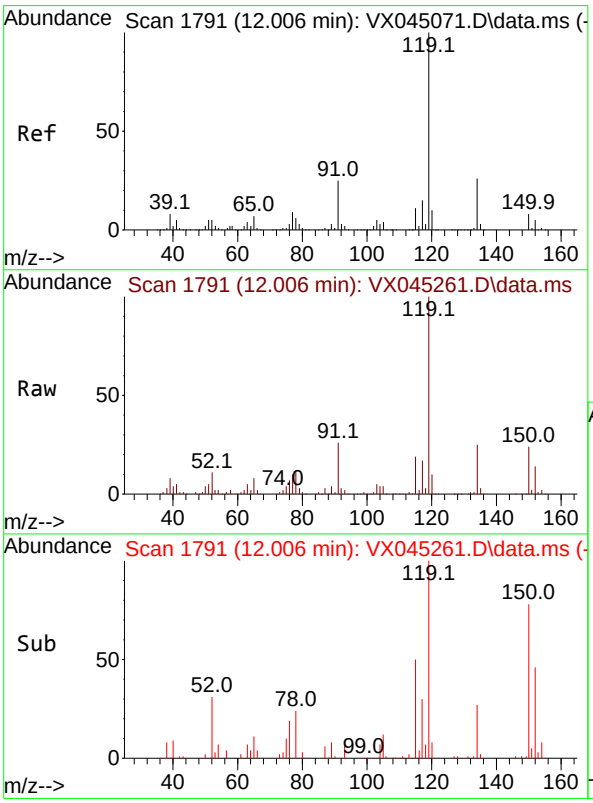
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

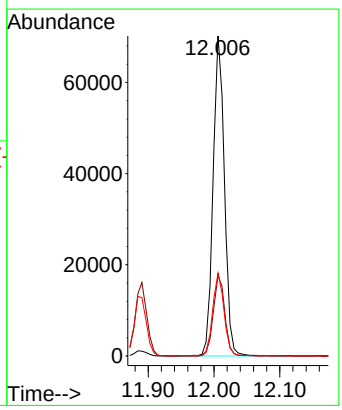
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

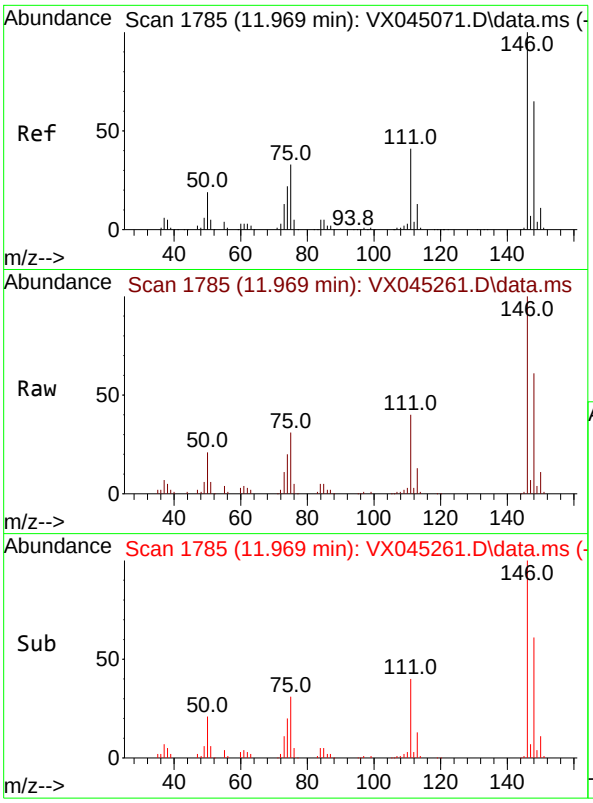


#86
p-Isopropyltoluene
Concen: 20.444 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:119 Resp: 84197

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	25.9	12.7	38.0

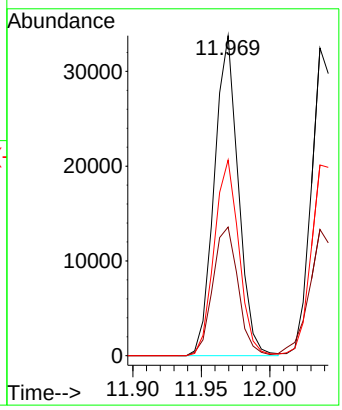




#87
1,3-Dichlorobenzene
Concen: 19.098 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:146 Resp: 4116

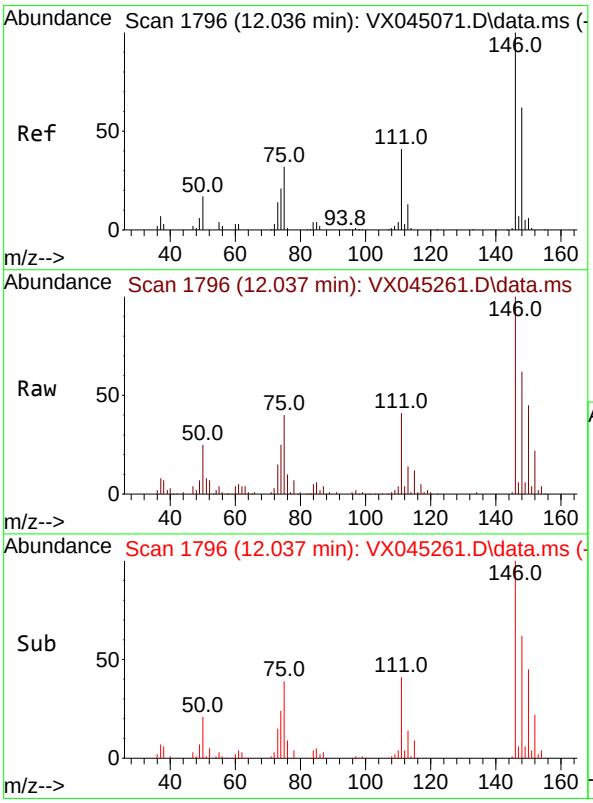
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

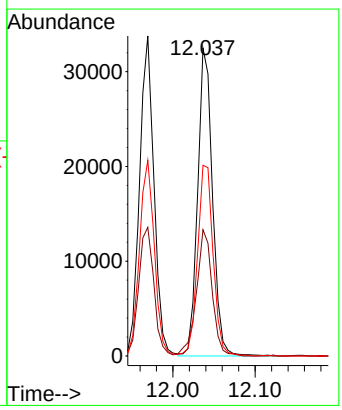
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

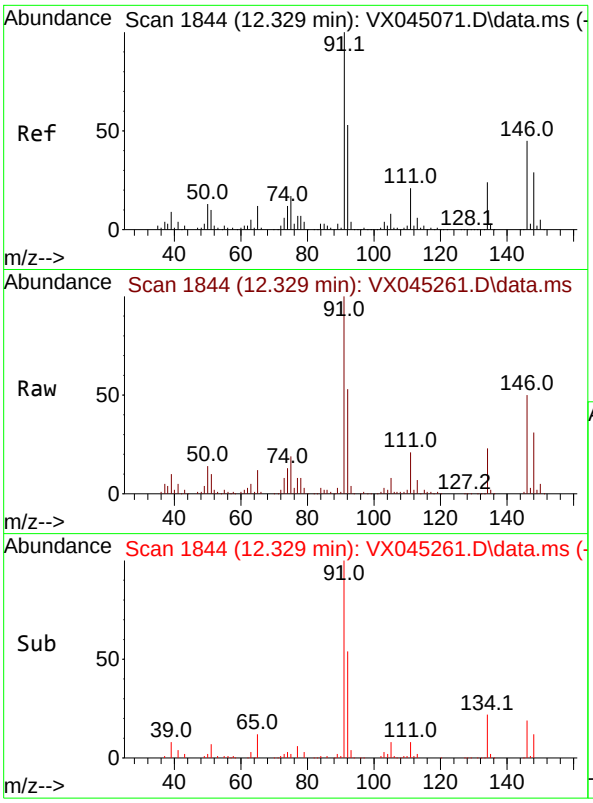


#88
1,4-Dichlorobenzene
Concen: 18.744 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:146 Resp: 40874

Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.2	60.5
148	65.1	31.9	95.9





#89
n-Butylbenzene
Concen: 20.691 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

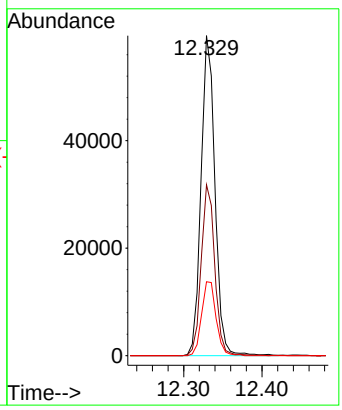
Tgt Ion: 91 Resp: 7339

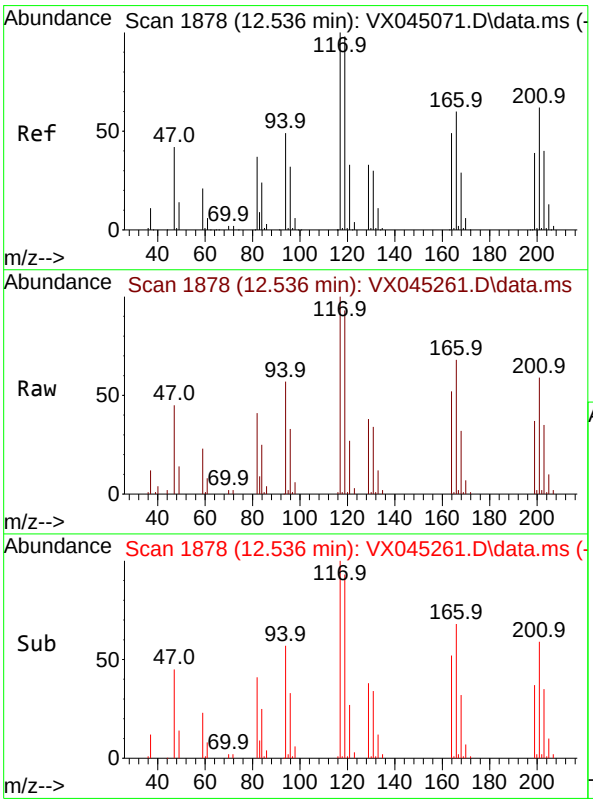
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	24.0	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

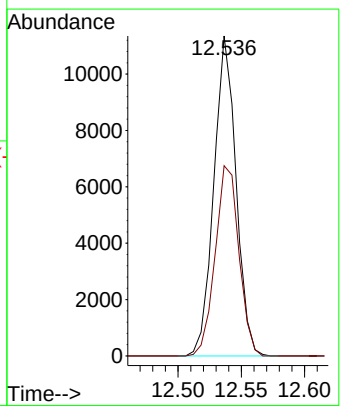


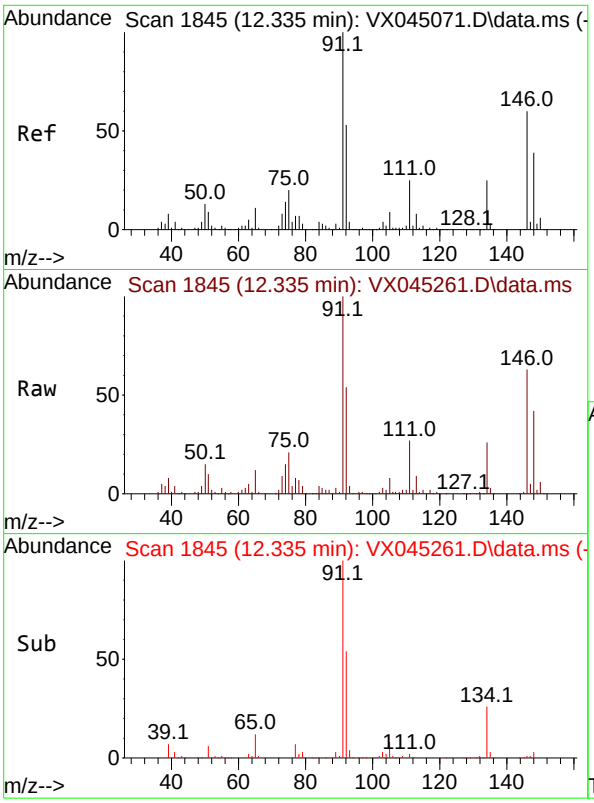


#90
Hexachloroethane
Concen: 18.541 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:117 Resp: 13812

Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.9	95.9

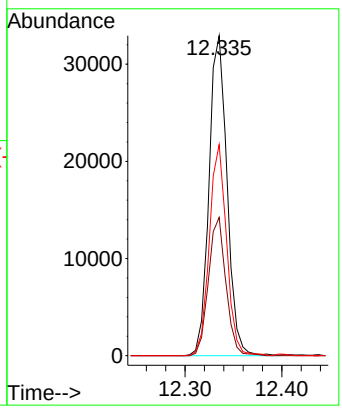




#91
1,2-Dichlorobenzene
Concen: 19.759 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:146 Resp: 4272

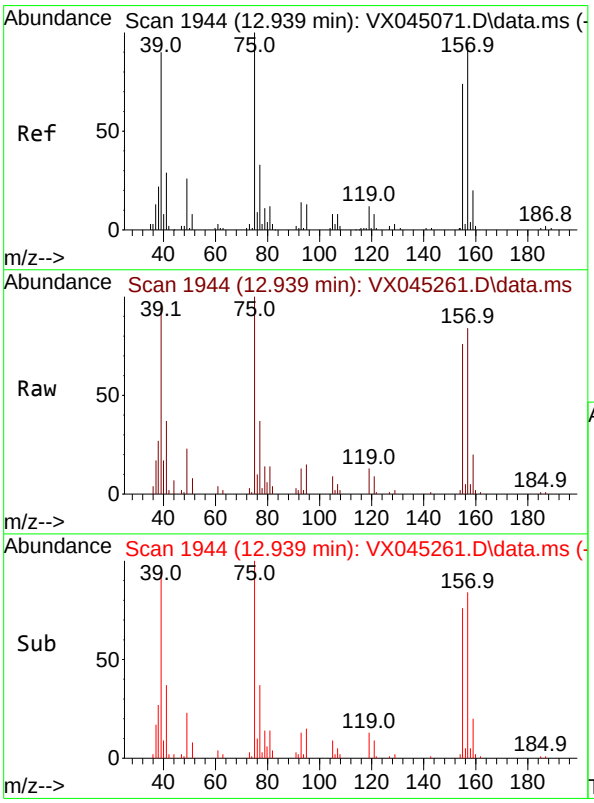
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

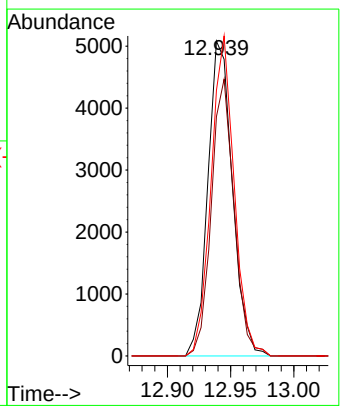
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

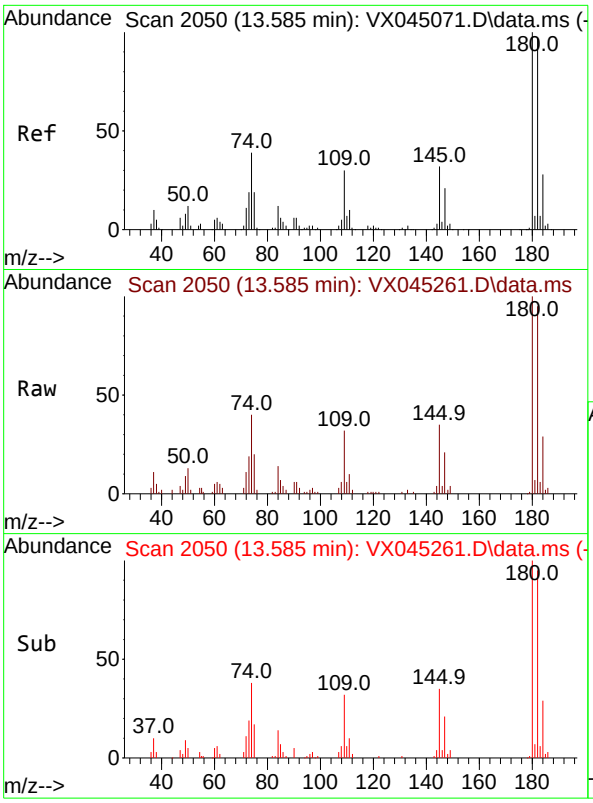


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.705 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 6848

Ion	Ratio	Lower	Upper
75	100		
155	81.7	39.6	118.7
157	95.6	51.1	153.4

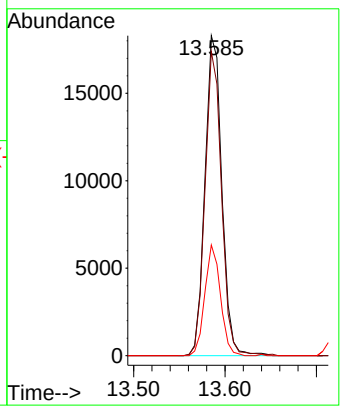




#93
1,2,4-Trichlorobenzene
Concen: 19.022 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:180 Resp: 2341

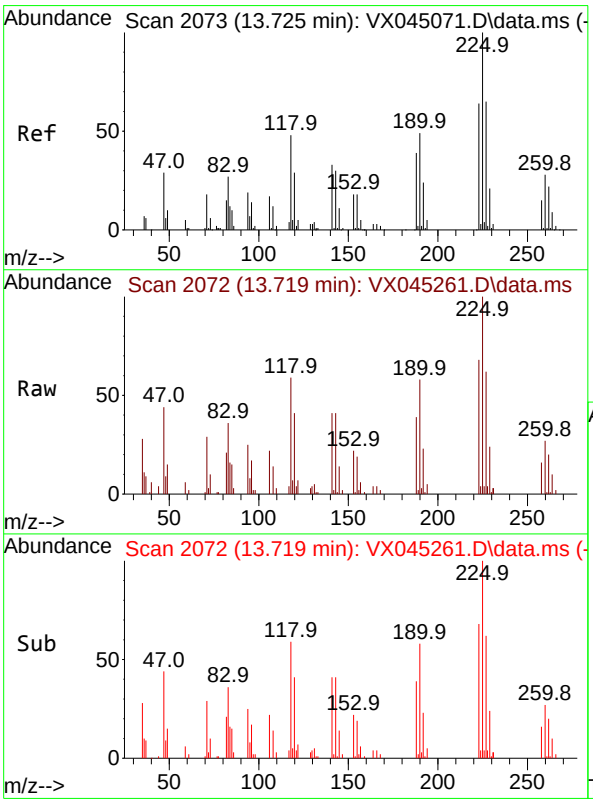
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.9
145	32.1	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

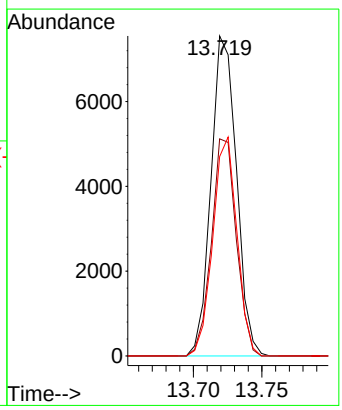
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

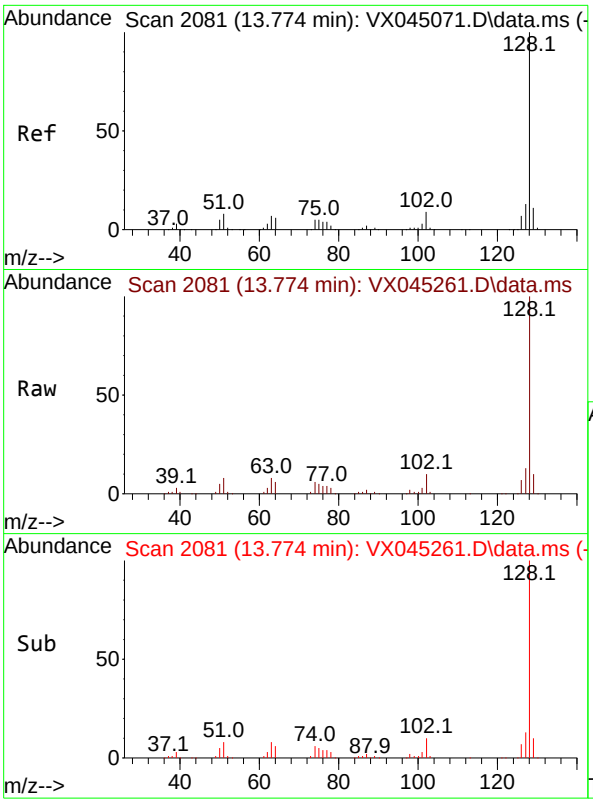


#94
Hexachlorobutadiene
Concen: 19.285 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:225 Resp: 9734

Ion	Ratio	Lower	Upper
225	100		
223	66.4	31.9	95.7
227	65.1	31.4	94.0

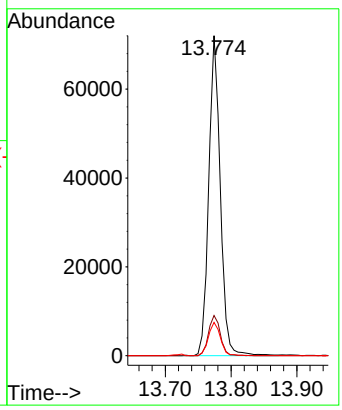




#95
Naphthalene
Concen: 18.614 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:128 Resp: 8804

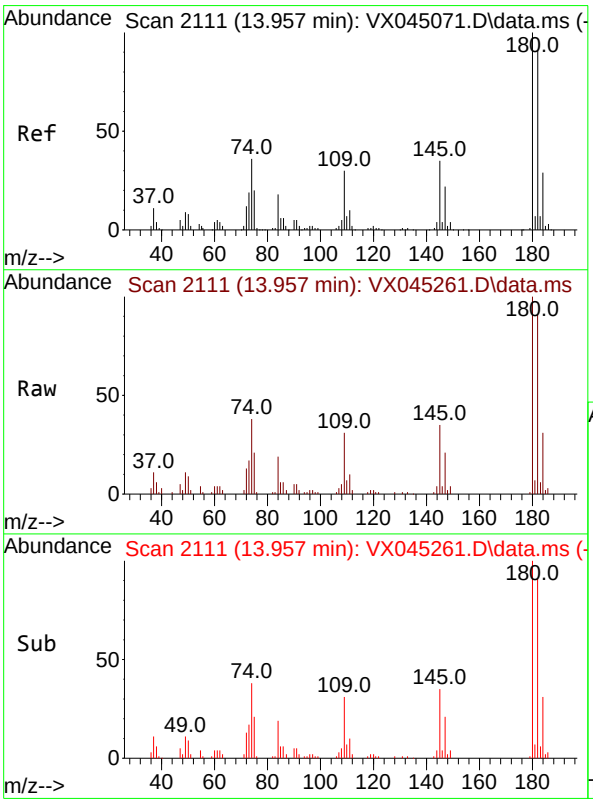
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

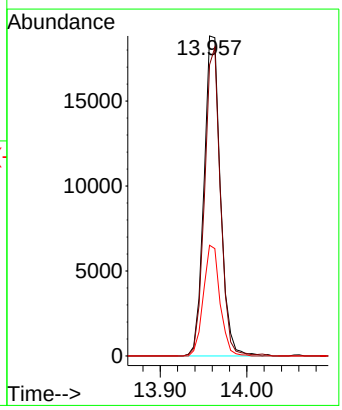
Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.187 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:180 Resp: 24920

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.5	142.6
145	34.7	17.0	50.9



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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX031325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045257.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:23 PM	MMDadoda	3/17/2025 1:45:38 PM	Peak Integrated by Software
VX0313WBS01	VX045260.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:26 PM	MMDadoda	3/17/2025 1:45:39 PM	Peak Integrated by Software
VX0313WBSD01	VX045261.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:30 PM	MMDadoda	3/17/2025 1:45:41 PM	Peak Integrated by Software
VSTDCCC050	VX045283.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:40 PM	MMDadoda	3/17/2025 1:45:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx031825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045312.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:50:30 AM	MMDadoda	3/19/2025 2:22:25 PM	Peak Integrated by Software
VX0318WBS01	VX045315.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:50:36 AM	MMDadoda	3/19/2025 2:22:25 PM	Peak Integrated by Software
VSTDCCC050	VX045338.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:51:19 AM	MMDadoda	3/19/2025 2:22:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX032025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045347.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:08 AM	MMDadoda	3/21/2025 10:05:51 AM	Peak Integrated by Software
VX0320WBS01	VX045350.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:14 AM	MMDadoda	3/21/2025 10:05:52 AM	Peak Integrated by Software
VSTDCCC050	VX045373.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:39 AM	MMDadoda	3/21/2025 10:05:56 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/17/2025 1:45:51 PM		
SubDirectory	VX031325	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133266
Initial Calibration Stds	
CCC	VP133267,VP133268
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045256.D	13 Mar 2025 09:56	JC/MD	Ok
2	VSTDCCC050	VX045257.D	13 Mar 2025 10:24	JC/MD	Ok,M
3	VX0313MBL01	VX045258.D	13 Mar 2025 10:52	JC/MD	Ok
4	VX0313WBL01	VX045259.D	13 Mar 2025 11:15	JC/MD	Ok
5	VX0313WBS01	VX045260.D	13 Mar 2025 11:38	JC/MD	Ok,M
6	VX0313WBSD01	VX045261.D	13 Mar 2025 12:04	JC/MD	Ok,M
7	Q1559-02	VX045262.D	13 Mar 2025 12:27	JC/MD	Ok
8	Q1526-01	VX045263.D	13 Mar 2025 12:50	JC/MD	Ok
9	Q1526-02	VX045264.D	13 Mar 2025 13:14	JC/MD	Ok
10	Q1526-03	VX045265.D	13 Mar 2025 13:37	JC/MD	Ok
11	Q1526-04	VX045266.D	13 Mar 2025 14:00	JC/MD	Ok
12	Q1559-18	VX045267.D	13 Mar 2025 14:23	JC/MD	Ok
13	Q1559-01	VX045268.D	13 Mar 2025 14:47	JC/MD	Dilution
14	Q1559-03	VX045269.D	13 Mar 2025 15:10	JC/MD	ReRun
15	Q1559-04	VX045270.D	13 Mar 2025 15:33	JC/MD	Dilution
16	Q1559-05	VX045271.D	13 Mar 2025 15:56	JC/MD	Dilution
17	Q1559-06	VX045272.D	13 Mar 2025 16:19	JC/MD	ReRun
18	Q1559-07	VX045273.D	13 Mar 2025 16:43	JC/MD	Dilution
19	Q1559-10	VX045274.D	13 Mar 2025 17:06	JC/MD	Ok
20	Q1559-11	VX045275.D	13 Mar 2025 17:29	JC/MD	Ok
21	Q1559-12	VX045276.D	13 Mar 2025 17:52	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/17/2025 1:45:51 PM		
SubDirectory	VX031325	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133266
Initial Calibration Stds	
CCC	VP133267,VP133268
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1559-13	VX045277.D	13 Mar 2025 18:15	JC/MD	Ok
23	Q1559-14	VX045278.D	13 Mar 2025 18:39	JC/MD	Ok
24	Q1559-15	VX045279.D	13 Mar 2025 19:02	JC/MD	Ok
25	Q1559-16	VX045280.D	13 Mar 2025 19:25	JC/MD	Dilution
26	Q1559-17	VX045281.D	13 Mar 2025 19:48	JC/MD	Ok
27	Q1559-20	VX045282.D	13 Mar 2025 20:12	JC/MD	Ok
28	VSTDCCC050	VX045283.D	13 Mar 2025 20:35	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031825

Review By	John Carlone	Review On	3/19/2025 10:07:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:41 PM		
SubDirectory	VX031825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133349
Initial Calibration Stds	
CCC	VP133350,VP133351
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045311.D	18 Mar 2025 09:33	JC/MD	Ok
2	VSTDCCC050	VX045312.D	18 Mar 2025 10:02	JC/MD	Ok,M
3	VX0318MBL01	VX045313.D	18 Mar 2025 10:30	JC/MD	Ok
4	VX0318WBL01	VX045314.D	18 Mar 2025 10:53	JC/MD	Ok
5	VX0318WBS01	VX045315.D	18 Mar 2025 11:16	JC/MD	Ok,M
6	VX0318WBSD01	VX045316.D	18 Mar 2025 11:43	JC/MD	Ok,M
7	Q1559-07DL	VX045317.D	18 Mar 2025 12:07	JC/MD	Ok
8	Q1559-01DL	VX045318.D	18 Mar 2025 12:30	JC/MD	Ok
9	Q1559-05DL	VX045319.D	18 Mar 2025 12:54	JC/MD	Ok
10	Q1559-16DL	VX045320.D	18 Mar 2025 13:17	JC/MD	Ok
11	Q1559-04DL	VX045321.D	18 Mar 2025 13:41	JC/MD	Ok
12	Q1559-03	VX045322.D	18 Mar 2025 14:04	JC/MD	Ok
13	Q1559-06	VX045323.D	18 Mar 2025 14:27	JC/MD	Ok
14	Q1557-01	VX045324.D	18 Mar 2025 14:51	JC/MD	Ok
15	Q1557-02	VX045325.D	18 Mar 2025 15:14	JC/MD	Ok
16	Q1557-06	VX045326.D	18 Mar 2025 15:38	JC/MD	Ok
17	Q1557-07	VX045327.D	18 Mar 2025 16:01	JC/MD	Ok
18	Q1557-08	VX045328.D	18 Mar 2025 16:24	JC/MD	Ok
19	Q1559-21	VX045329.D	18 Mar 2025 16:47	JC/MD	Dilution
20	Q1559-22	VX045330.D	18 Mar 2025 17:10	JC/MD	Dilution
21	Q1559-08	VX045331.D	18 Mar 2025 17:34	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031825

Review By	John Carlone	Review On	3/19/2025 10:07:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:41 PM		
SubDirectory	VX031825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133349
Initial Calibration Stds	
CCC	VP133350,VP133351
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1559-09	VX045332.D	18 Mar 2025 17:57	JC/MD	Dilution
23	Q1559-19	VX045333.D	18 Mar 2025 18:20	JC/MD	Ok
24	Q1576-01	VX045334.D	18 Mar 2025 18:43	JC/MD	Ok
25	Q1557-03	VX045335.D	18 Mar 2025 19:07	JC/MD	Ok
26	Q1557-04MS	VX045336.D	18 Mar 2025 19:30	JC/MD	Ok,M
27	Q1557-05MSD	VX045337.D	18 Mar 2025 19:53	JC/MD	Ok,M
28	VSTDCCC050	VX045338.D	18 Mar 2025 20:16	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045346.D	20 Mar 2025 09:09	JC/MD	Ok
2	VSTDCCC050	VX045347.D	20 Mar 2025 09:38	JC/MD	Ok,M
3	VX0320MBL01	VX045348.D	20 Mar 2025 10:06	JC/MD	Ok
4	VX0320WBL01	VX045349.D	20 Mar 2025 10:29	JC/MD	Ok
5	VX0320WBS01	VX045350.D	20 Mar 2025 10:53	JC/MD	Ok,M
6	VX0320WBS02	VX045351.D	20 Mar 2025 11:20	JC/MD	Not Ok
7	Q1559-09DL	VX045352.D	20 Mar 2025 11:44	JC/MD	Ok
8	Q1559-22DL	VX045353.D	20 Mar 2025 12:07	JC/MD	Ok
9	Q1559-21DL	VX045354.D	20 Mar 2025 12:30	JC/MD	Ok
10	VX0320WBSD01	VX045355.D	20 Mar 2025 12:53	JC/MD	Ok,M
11	Q1559-08	VX045356.D	20 Mar 2025 13:17	JC/MD	Ok
12	Q1584-02	VX045357.D	20 Mar 2025 13:40	JC/MD	Ok
13	Q1584-03	VX045358.D	20 Mar 2025 14:03	JC/MD	Ok
14	Q1584-04	VX045359.D	20 Mar 2025 14:26	JC/MD	Ok
15	Q1582-16	VX045360.D	20 Mar 2025 14:50	JC/MD	Ok
16	Q1582-05	VX045361.D	20 Mar 2025 15:13	JC/MD	ReRun
17	Q1584-01	VX045362.D	20 Mar 2025 15:36	JC/MD	Ok
18	Q1582-02	VX045363.D	20 Mar 2025 15:59	JC/MD	Dilution
19	Q1582-03	VX045364.D	20 Mar 2025 16:22	JC/MD	Dilution
20	Q1582-04	VX045365.D	20 Mar 2025 16:46	JC/MD	ReRun
21	Q1582-06	VX045366.D	20 Mar 2025 17:09	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1582-07	VX045367.D	20 Mar 2025 17:32	JC/MD	Dilution
23	Q1582-08	VX045368.D	20 Mar 2025 17:55	JC/MD	Dilution
24	Q1582-09	VX045369.D	20 Mar 2025 18:19	JC/MD	ReRun
25	Q1582-10	VX045370.D	20 Mar 2025 18:42	JC/MD	Dilution
26	Q1582-11	VX045371.D	20 Mar 2025 19:05	JC/MD	ReRun
27	Q1582-12	VX045372.D	20 Mar 2025 19:28	JC/MD	Ok
28	VSTDCCC050	VX045373.D	20 Mar 2025 19:51	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/17/2025 1:45:51 PM		
SubDirectory	VX031325	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133266
Initial Calibration Stds	
CCC	VP133267,VP133268
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	VX045256.D	13 Mar 2025 09:56		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045257.D	13 Mar 2025 10:24	pH#Lot#V12668	JC/MD	Ok,M
3	VX0313MBL01	VX0313MBL01	VX045258.D	13 Mar 2025 10:52		JC/MD	Ok
4	VX0313WBL01	VX0313WBL01	VX045259.D	13 Mar 2025 11:15		JC/MD	Ok
5	VX0313WBS01	VX0313WBS01	VX045260.D	13 Mar 2025 11:38		JC/MD	Ok,M
6	VX0313WBSD01	VX0313WBSD01	VX045261.D	13 Mar 2025 12:04		JC/MD	Ok,M
7	Q1559-02	RE115D2-20250310	VX045262.D	13 Mar 2025 12:27	vial A pH<2	JC/MD	Ok
8	Q1526-01	Storage-Blank-SOIL-RE	VX045263.D	13 Mar 2025 12:50	vial A pH<2	JC/MD	Ok
9	Q1526-02	Storage-Blank-WATER-	VX045264.D	13 Mar 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q1526-03	Storage-Blank-WATER-	VX045265.D	13 Mar 2025 13:37	vial A pH<2	JC/MD	Ok
11	Q1526-04	Storage-Blank-SAMPLE	VX045266.D	13 Mar 2025 14:00	vial A pH<2	JC/MD	Ok
12	Q1559-18	TB	VX045267.D	13 Mar 2025 14:23	vial A pH<2 TB	JC/MD	Ok
13	Q1559-01	RE115D1-20250310	VX045268.D	13 Mar 2025 14:47	vial A pH<2 Need 10X	JC/MD	Dilution
14	Q1559-03	RE134D1-20250310	VX045269.D	13 Mar 2025 15:10	vial A pH<2 E flag of previous sample	JC/MD	ReRun
15	Q1559-04	RE134D3-20250310	VX045270.D	13 Mar 2025 15:33	vial A pH<2 Need 20X	JC/MD	Dilution
16	Q1559-05	RE134D4-20250310	VX045271.D	13 Mar 2025 15:56	vial A pH<2 Need 10X	JC/MD	Dilution
17	Q1559-06	TT149S1-20250310	VX045272.D	13 Mar 2025 16:19	vial A pH<2 E flag of previous sample	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	3/17/2025 1:45:51 PM		
SubDirectory	VX031325	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133266
Initial Calibration Stds	
CCC	VP133267,VP133268
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1559-07	RE125D3-20250310	VX045273.D	13 Mar 2025 16:43	vial A pH<2 Need 4X	JC/MD	Dilution
19	Q1559-10	RW10-MW01D-202503	VX045274.D	13 Mar 2025 17:06	vial A pH<2	JC/MD	Ok
20	Q1559-11	RW10-MW01S-202503	VX045275.D	13 Mar 2025 17:29	vial A pH<2	JC/MD	Ok
21	Q1559-12	TT158S1-20250311	VX045276.D	13 Mar 2025 17:52	vial A pH<2	JC/MD	Ok
22	Q1559-13	TT158I1-20250311	VX045277.D	13 Mar 2025 18:15	vial A pH<2	JC/MD	Ok
23	Q1559-14	RW10A-MW01S-20250	VX045278.D	13 Mar 2025 18:39	vial A pH<2	JC/MD	Ok
24	Q1559-15	RW10A-MW01I-202503	VX045279.D	13 Mar 2025 19:02	vial A pH<2	JC/MD	Ok
25	Q1559-16	RW4-RE137-20250311	VX045280.D	13 Mar 2025 19:25	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q1559-17	RE104D1-20250312	VX045281.D	13 Mar 2025 19:48	vial A pH<2	JC/MD	Ok
27	Q1559-20	RE120D1-20250312	VX045282.D	13 Mar 2025 20:12	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045283.D	13 Mar 2025 20:35		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031825

Review By	John Carlone	Review On	3/19/2025 10:07:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:41 PM		
SubDirectory	VX031825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133349
Initial Calibration Stds	
CCC	VP133350,VP133351
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	VX045311.D	18 Mar 2025 09:33		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045312.D	18 Mar 2025 10:02	pH#Lot#V12668	JC/MD	Ok,M
3	VX0318MBL01	VX0318MBL01	VX045313.D	18 Mar 2025 10:30		JC/MD	Ok
4	VX0318WBL01	VX0318WBL01	VX045314.D	18 Mar 2025 10:53		JC/MD	Ok
5	VX0318WBS01	VX0318WBS01	VX045315.D	18 Mar 2025 11:16		JC/MD	Ok,M
6	VX0318WBSD01	VX0318WBSD01	VX045316.D	18 Mar 2025 11:43		JC/MD	Ok,M
7	Q1559-07DL	RE125D3-20250310DL	VX045317.D	18 Mar 2025 12:07	vial B pH<2	JC/MD	Ok
8	Q1559-01DL	RE115D1-20250310DL	VX045318.D	18 Mar 2025 12:30	vial B pH<2	JC/MD	Ok
9	Q1559-05DL	RE134D4-20250310DL	VX045319.D	18 Mar 2025 12:54	vial B pH<2	JC/MD	Ok
10	Q1559-16DL	RW4-RE137-20250311	VX045320.D	18 Mar 2025 13:17	vial B pH<2	JC/MD	Ok
11	Q1559-04DL	RE134D3-20250310DL	VX045321.D	18 Mar 2025 13:41	vial B pH<2	JC/MD	Ok
12	Q1559-03	RE134D1-20250310	VX045322.D	18 Mar 2025 14:04	vial B pH<2	JC/MD	Ok
13	Q1559-06	TT149S1-20250310	VX045323.D	18 Mar 2025 14:27	vial B pH<2	JC/MD	Ok
14	Q1557-01	BPOW6-7-20250312	VX045324.D	18 Mar 2025 14:51	vial A pH<2	JC/MD	Ok
15	Q1557-02	BPOW6-8-20250312	VX045325.D	18 Mar 2025 15:14	vial A pH<2	JC/MD	Ok
16	Q1557-06	BPOW6-10-20250312	VX045326.D	18 Mar 2025 15:38	vial A pH<2	JC/MD	Ok
17	Q1557-07	BPOW6-11-20250312	VX045327.D	18 Mar 2025 16:01	vial A pH<2	JC/MD	Ok
18	Q1557-08	DUP04-20250312	VX045328.D	18 Mar 2025 16:24	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031825

Review By	John Carlone	Review On	3/19/2025 10:07:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:41 PM		
SubDirectory	VX031825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133349
Initial Calibration Stds	
CCC	VP133350,VP133351
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1559-21	RE120D3-20250312	VX045329.D	18 Mar 2025 16:47	vial A pH<2 Need 20X	JC/MD	Dilution
20	Q1559-22	RE120D2-20250312	VX045330.D	18 Mar 2025 17:10	vial A pH<2 Need 10X	JC/MD	Dilution
21	Q1559-08	DUP02-20250310	VX045331.D	18 Mar 2025 17:34	vial A pH<2 E flag of previous sample	JC/MD	ReRun
22	Q1559-09	DUP03-20250310	VX045332.D	18 Mar 2025 17:57	vial A pH<2 Need 10X	JC/MD	Dilution
23	Q1559-19	DUP05-20250312	VX045333.D	18 Mar 2025 18:20	vial A pH<2	JC/MD	Ok
24	Q1576-01	MW14	VX045334.D	18 Mar 2025 18:43	vial B pH<2	JC/MD	Ok
25	Q1557-03	BPOW6-9-20250312	VX045335.D	18 Mar 2025 19:07	vial A pH<2	JC/MD	Ok
26	Q1557-04MS	BPOW6-9-20250312MS	VX045336.D	18 Mar 2025 19:30	vial A pH<2	JC/MD	Ok,M
27	Q1557-05MSD	BPOW6-9-20250312MS	VX045337.D	18 Mar 2025 19:53	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX045338.D	18 Mar 2025 20:16		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
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	VX045346.D	20 Mar 2025 09:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045347.D	20 Mar 2025 09:38	pH#Lot#V12668	JC/MD	Ok,M
3	VX0320MBL01	VX0320MBL01	VX045348.D	20 Mar 2025 10:06		JC/MD	Ok
4	VX0320WBL01	VX0320WBL01	VX045349.D	20 Mar 2025 10:29		JC/MD	Ok
5	VX0320WBS01	VX0320WBS01	VX045350.D	20 Mar 2025 10:53		JC/MD	Ok,M
6	VX0320WBS02	VX0320WBS02	VX045351.D	20 Mar 2025 11:20	Surrogate Fail for DOD	JC/MD	Not Ok
7	Q1559-09DL	DUP03-20250310DL	VX045352.D	20 Mar 2025 11:44	vial B pH<2	JC/MD	Ok
8	Q1559-22DL	RE120D2-20250312DL	VX045353.D	20 Mar 2025 12:07	vial B pH<2	JC/MD	Ok
9	Q1559-21DL	RE120D3-20250312DL	VX045354.D	20 Mar 2025 12:30	vial B pH<2	JC/MD	Ok
10	VX0320WBSD01	VX0320WBSD01	VX045355.D	20 Mar 2025 12:53	BSD failed low for comp. #11,13	JC/MD	Ok,M
11	Q1559-08	DUP02-20250310	VX045356.D	20 Mar 2025 13:17	vial B pH<2	JC/MD	Ok
12	Q1584-02	Storage-Blank-WATER-	VX045357.D	20 Mar 2025 13:40	vial A pH<2	JC/MD	Ok
13	Q1584-03	Storage-Blank-WATER-	VX045358.D	20 Mar 2025 14:03	vial A pH<2	JC/MD	Ok
14	Q1584-04	Storage-Blank-SAMPLE	VX045359.D	20 Mar 2025 14:26	vial A pH<2	JC/MD	Ok
15	Q1582-16	FB	VX045360.D	20 Mar 2025 14:50	vial A pH<2 FB	JC/MD	Ok
16	Q1582-05	FB02-20250313	VX045361.D	20 Mar 2025 15:13	vial A pH<2 FB;Hit of comp.#16	JC/MD	ReRun
17	Q1584-01	Storage-Blank-SOIL-RE	VX045362.D	20 Mar 2025 15:36	vial A pH<2	JC/MD	Ok
18	Q1582-02	TT180D1-20250313	VX045363.D	20 Mar 2025 15:59	vial A pH<2 Need 5X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1582-03	TT180D2-20250313	VX045364.D	20 Mar 2025 16:22	vial A pH<2 Need 10X	JC/MD	Dilution
20	Q1582-04	TT180D-20250313	VX045365.D	20 Mar 2025 16:46	vial A pH<2 E flage in previous sample	JC/MD	ReRun
21	Q1582-06	RE131D1-20250313	VX045366.D	20 Mar 2025 17:09	vial A pH<2 Need 5X	JC/MD	Dilution
22	Q1582-07	RE131D2-20250313	VX045367.D	20 Mar 2025 17:32	vial A pH<2 Need 5X	JC/MD	Dilution
23	Q1582-08	RE131D3-20250313	VX045368.D	20 Mar 2025 17:55	vial A pH<2 Need 20X	JC/MD	Dilution
24	Q1582-09	TT119S1-20250313	VX045369.D	20 Mar 2025 18:19	vial A pH<2 E flage in previous sample	JC/MD	ReRun
25	Q1582-10	RE114D1-20250313	VX045370.D	20 Mar 2025 18:42	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q1582-11	BPOW1-7-20250314	VX045371.D	20 Mar 2025 19:05	vial A pH<2 E flage in previous sample	JC/MD	ReRun
27	Q1582-12	BPOW1-8-20250314	VX045372.D	20 Mar 2025 19:28	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045373.D	20 Mar 2025 19:51		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1559

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX031325,vx031825,VX032025,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133036,VP133174,VP133178,VP133266,VP133267,VP133268,VP133342,VP133349,VP133350,VP133351,VP133422,VP133423,VP133424,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14872,V14873,V14874,V14875,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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

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

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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	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133266	03/13/2025	03/14/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

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	VP133267	03/13/2025	03/13/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133268	03/13/2025	03/13/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133349	03/18/2025	03/19/2025	John Carlone	None	None	Mahesh Dadoda 03/20/2025

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	VP133350	03/18/2025	03/19/2025	John Carlone	None	None	Mahesh Dadoda 03/20/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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	VP133351	03/18/2025	03/19/2025	John Carlone	None	None	Mahesh Dadoda 03/20/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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
589	BFB TUNE CHECK	VP133422	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133423	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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	VP133424	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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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Fax : 908 789 8922

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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

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	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

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	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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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	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

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	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

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)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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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	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

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	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

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	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

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 #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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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)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

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

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

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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	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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

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

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

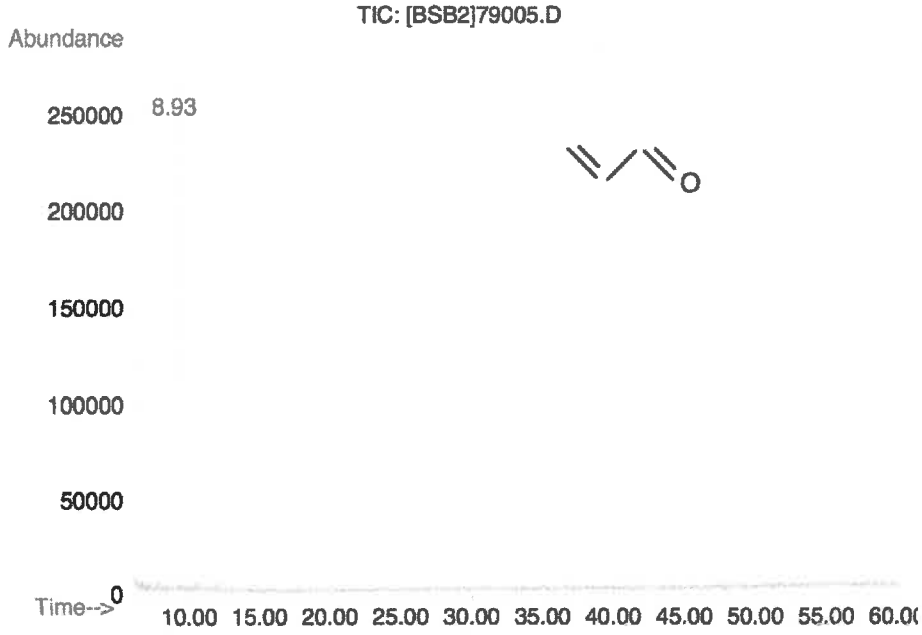
V14872 to
V14876

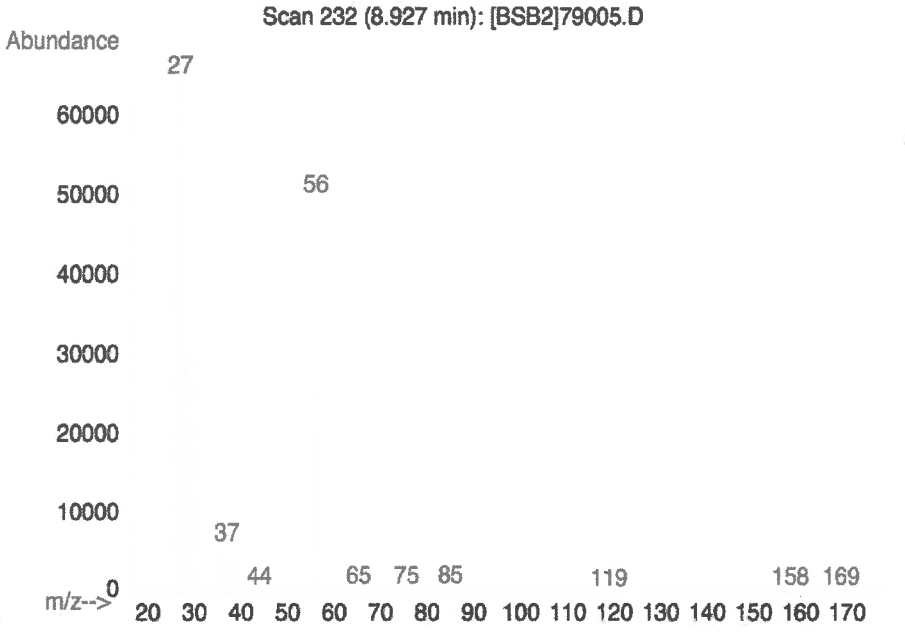
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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. 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)

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

5 yrs

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

Dec 02/14/25

Part Number:	91980
Lot Number:	021325
Description:	Acrolein
Expiration Date:	031325
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 072324Q

V14872 to
V14876

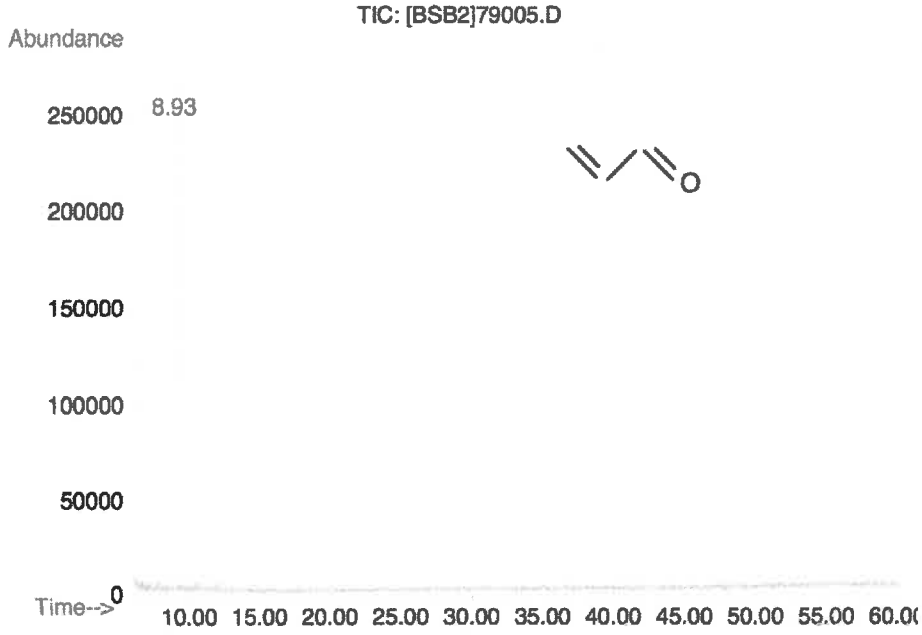
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

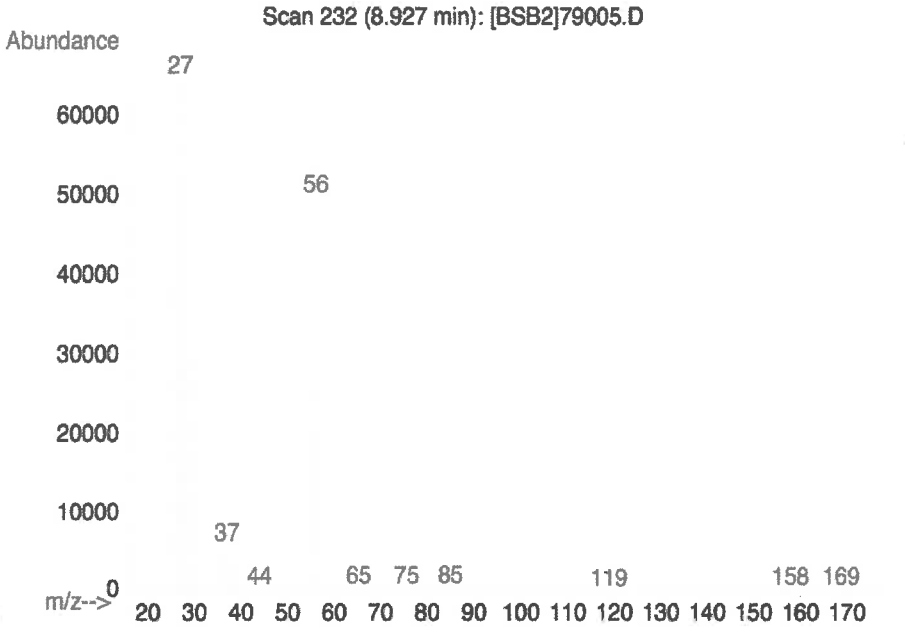
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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. 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)

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

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

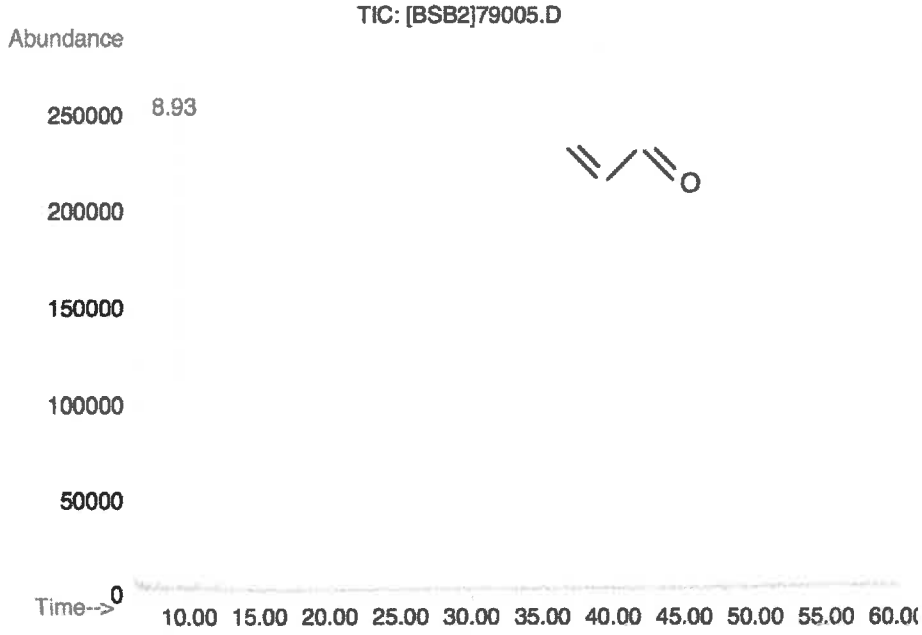
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V14876

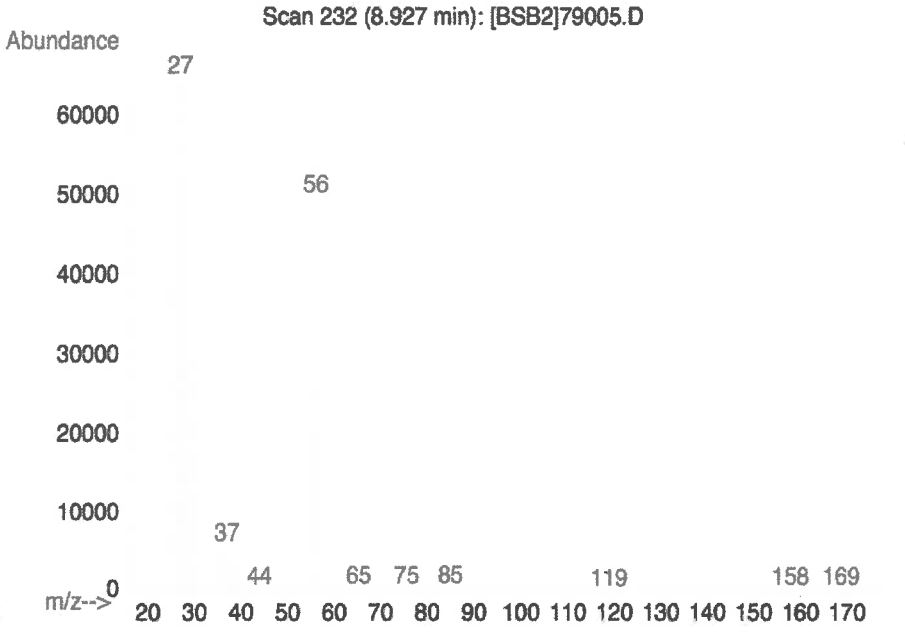
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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. 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)

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

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ANAB ISO 17034 Accredite
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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

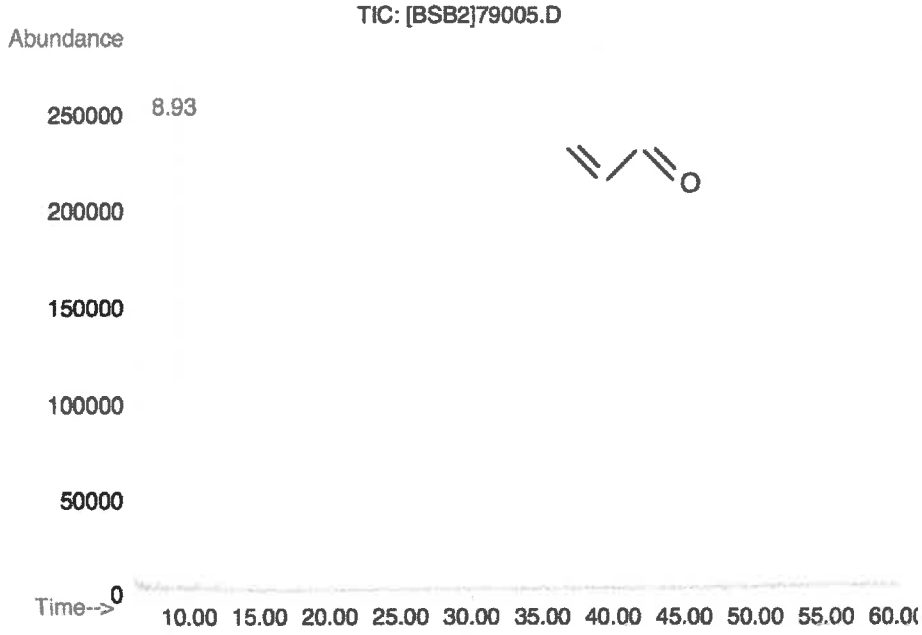
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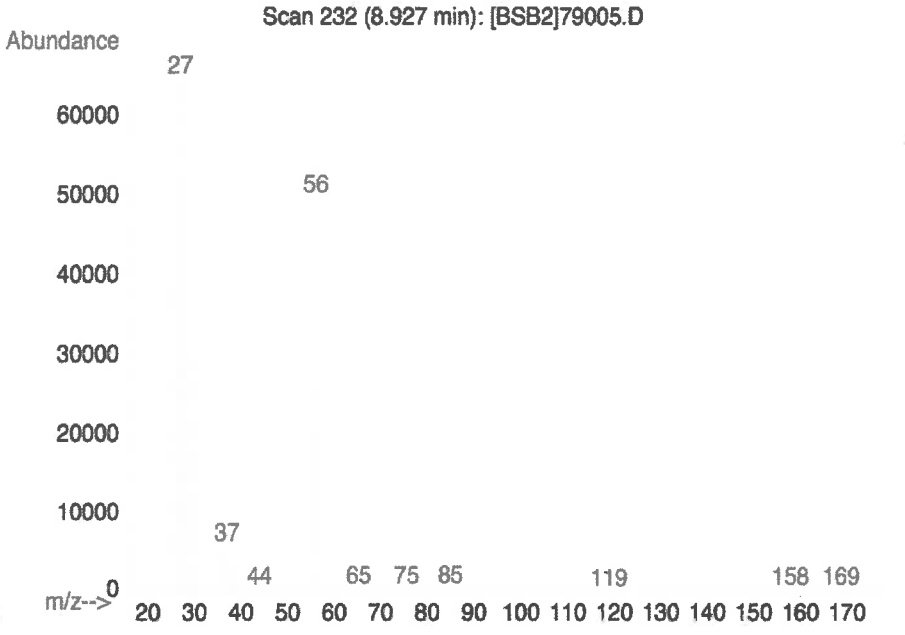
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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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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)

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

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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.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

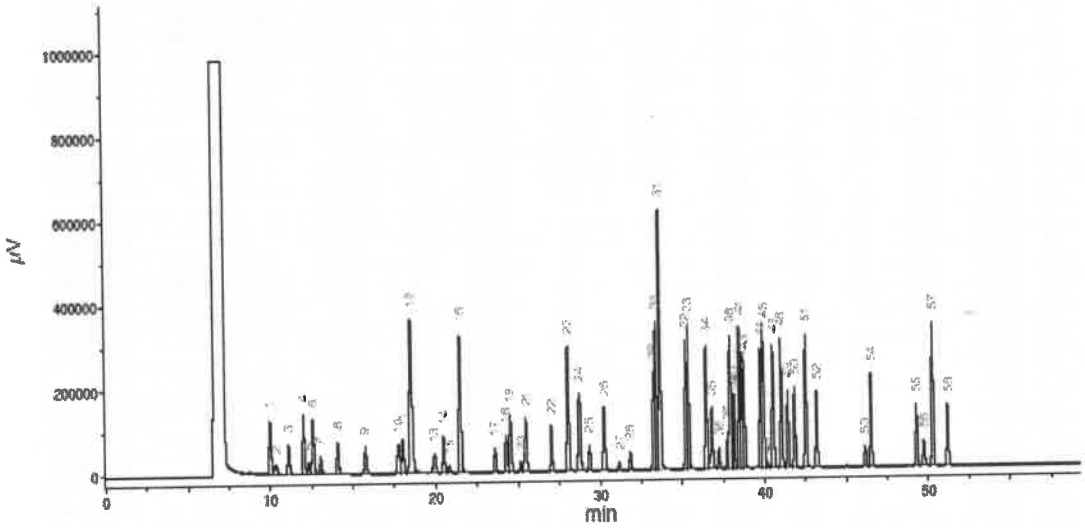
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

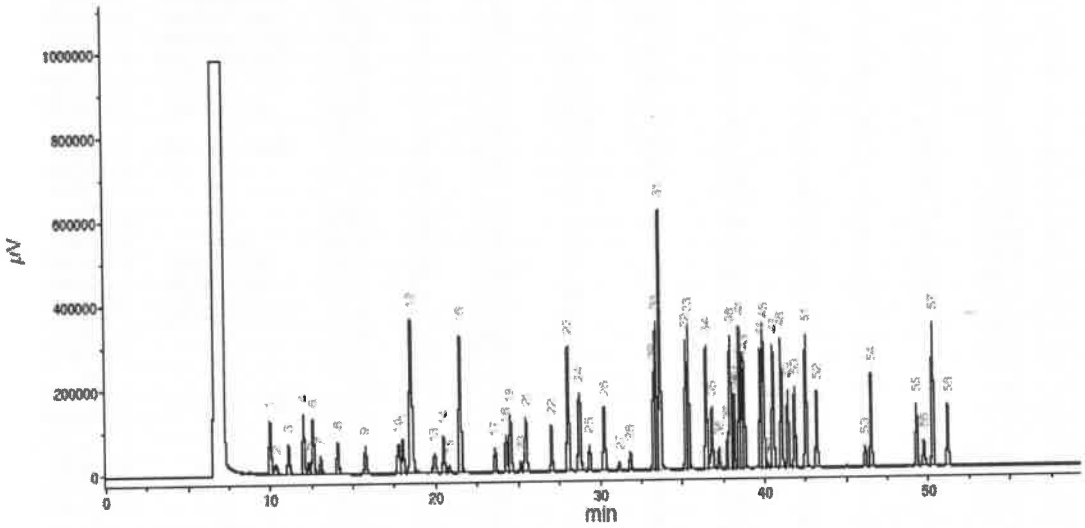
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

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): Water Lot# 072324Q

5 vial

V14895 to V14899

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

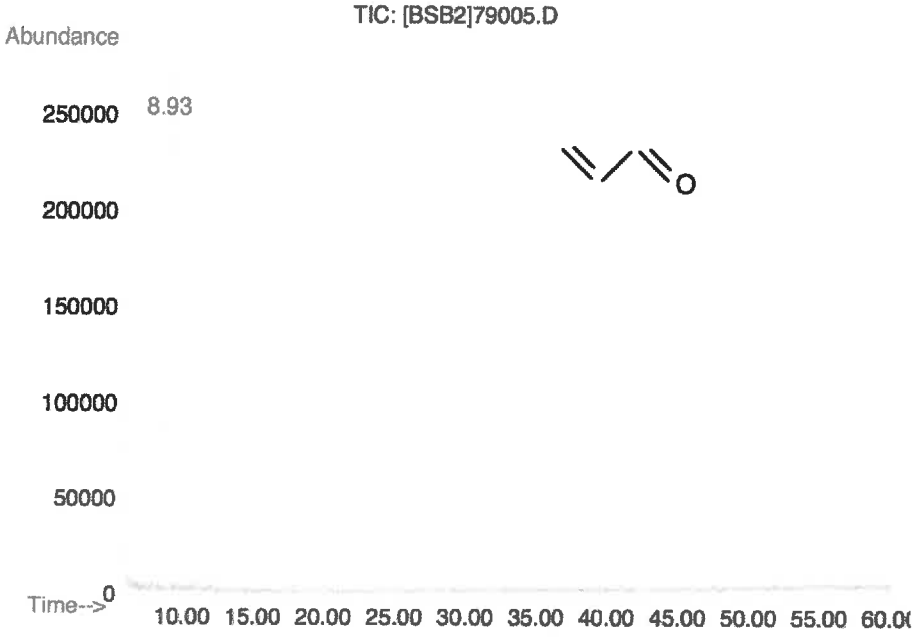
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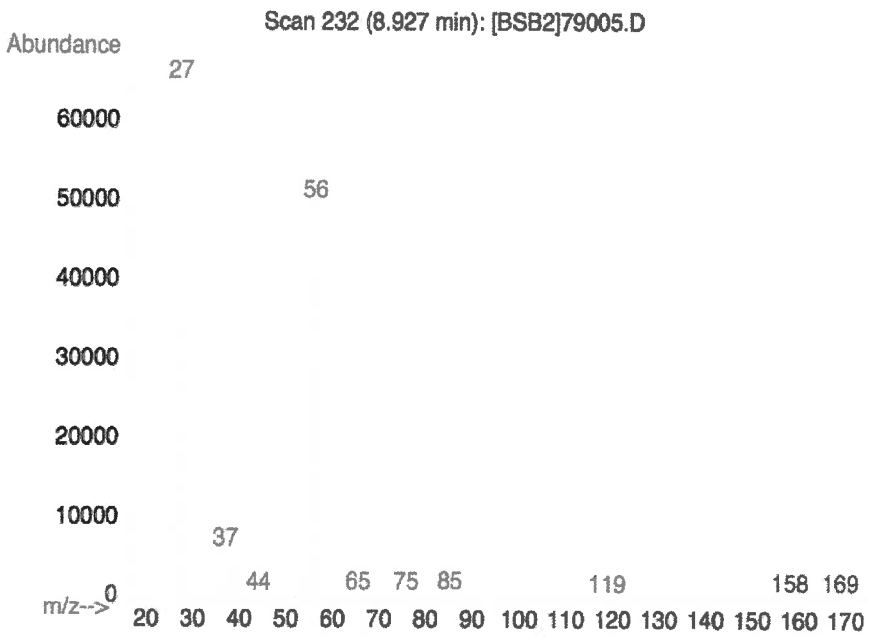
Formulated By: Lawrence Barry 031725 DATE

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

Exp 03/18/24

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CERTIFIED WEIGHT REPORT

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): Water Lot# 072324Q

5 vials

V14895 to V14899

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

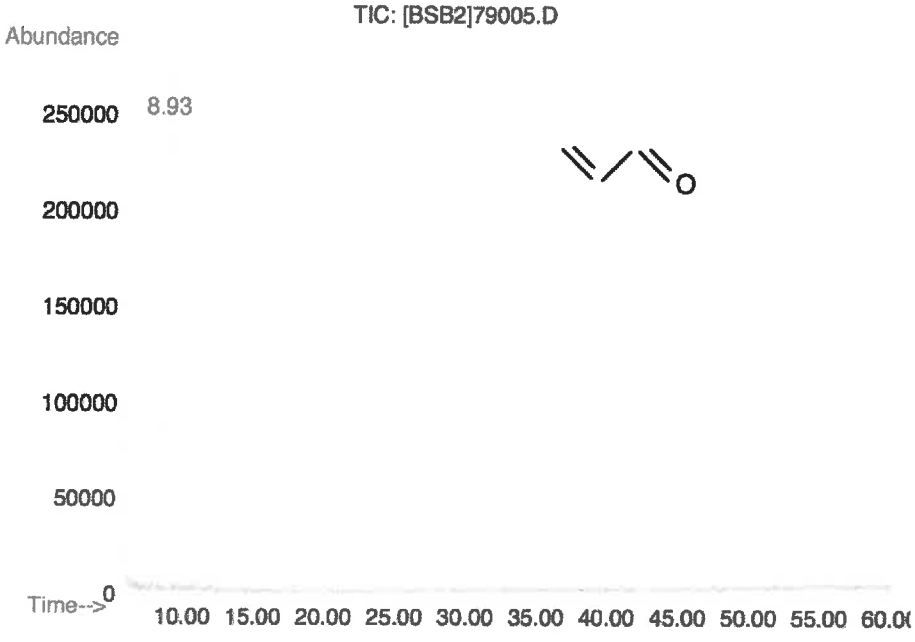
Weight(s) shown below were combined and diluted to (mL): 10.0

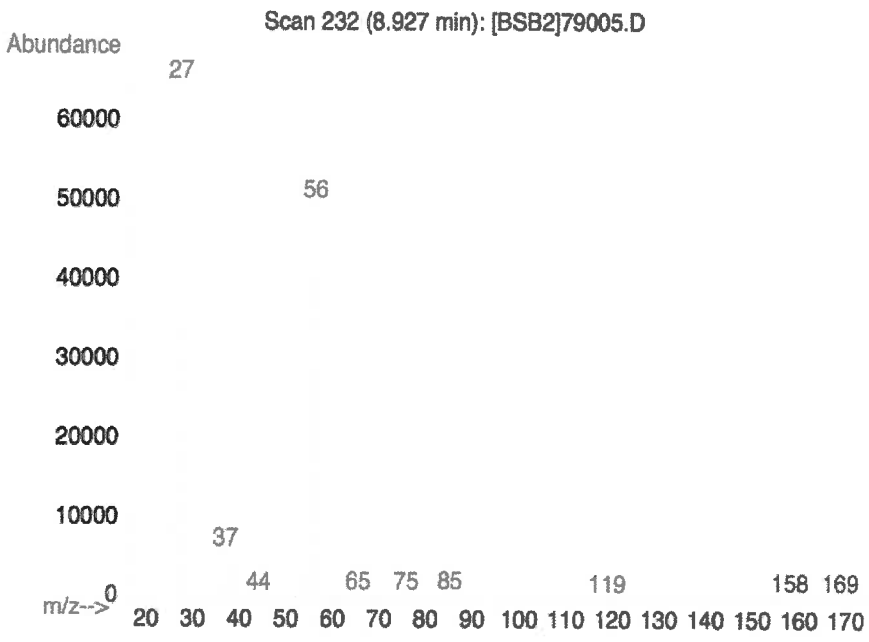
Formulated By: Lawrence Barry 031725 DATE

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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- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
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Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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 WEIGHT REPORT

5 vial

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

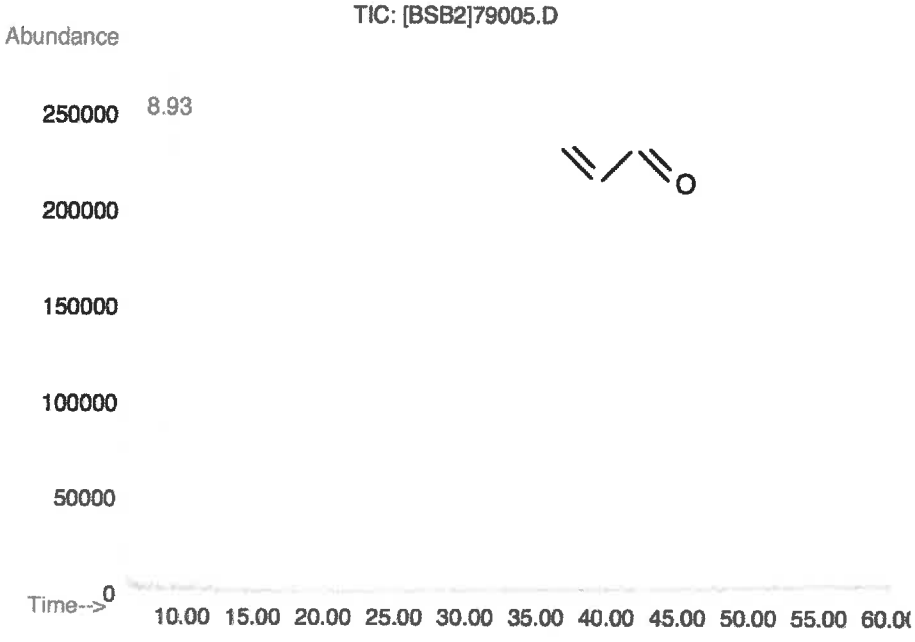
5E-05 Balance Uncertainty
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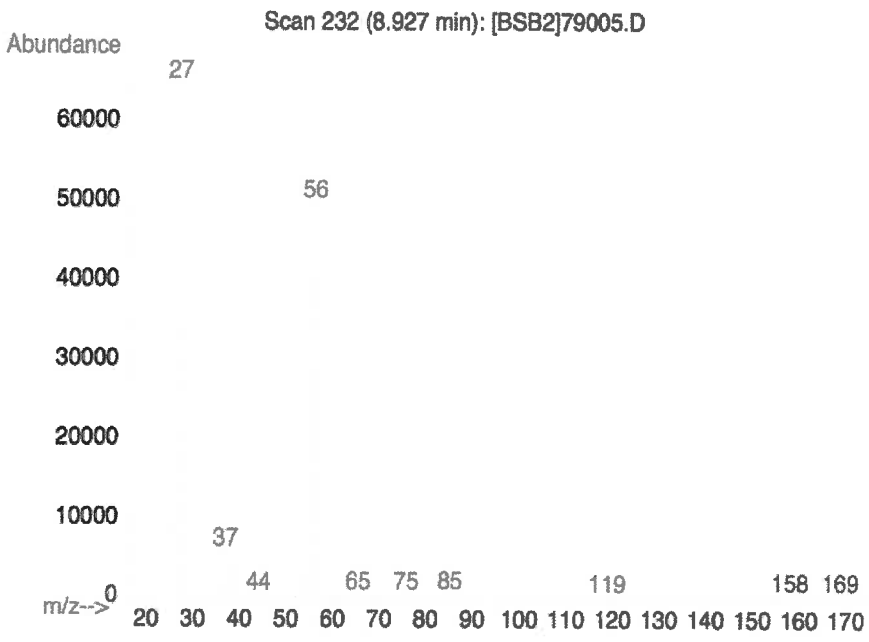
Formulated By: Lawrence Barry 031725 DATE

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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. 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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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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
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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

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): Water Lot# 072324Q

5 vial

V14895 to V14899

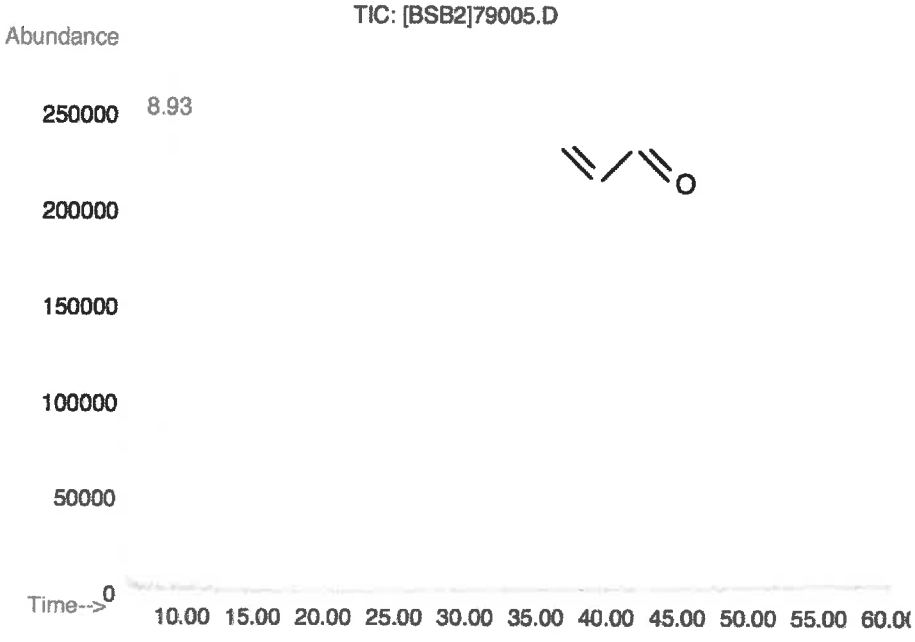
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

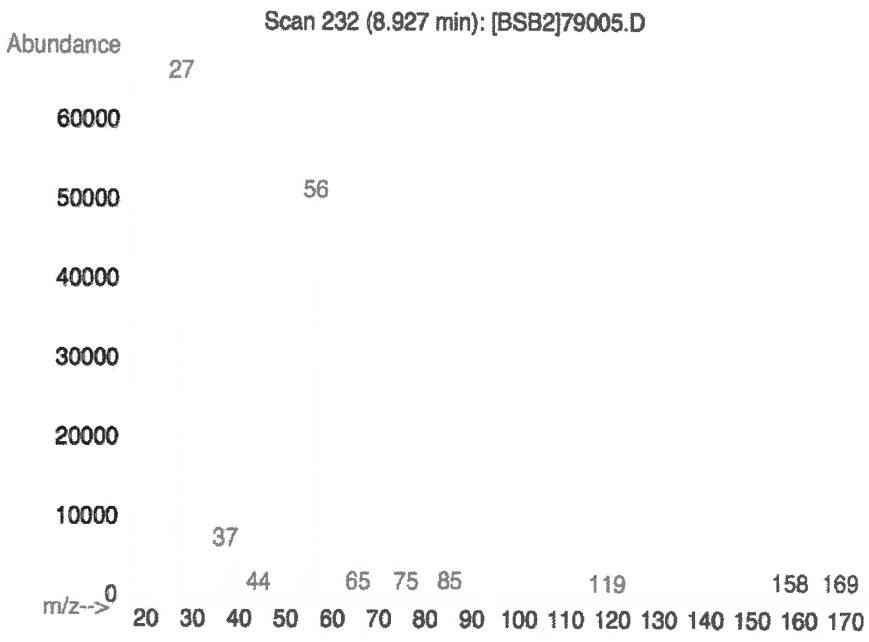
Formulated By: Lawrence Barry 031725 DATE

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.





- **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

ANAB ISO 17034 Accredited
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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

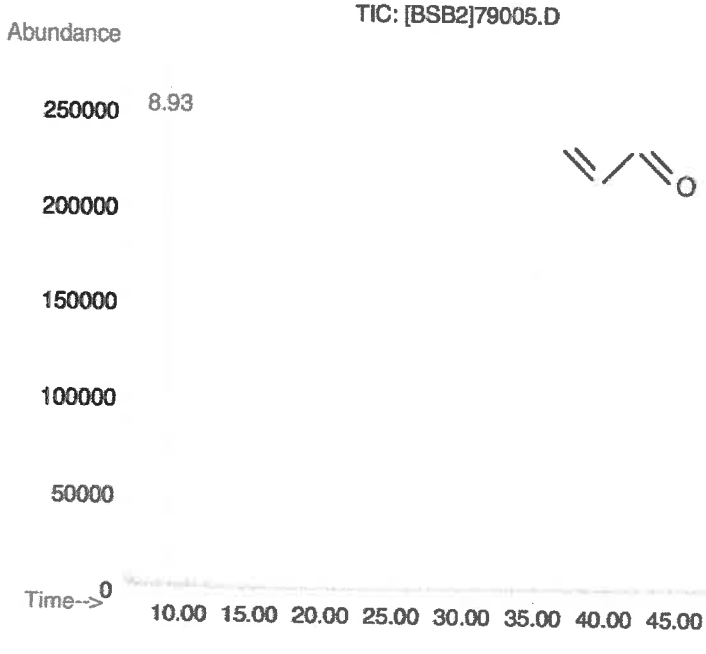
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

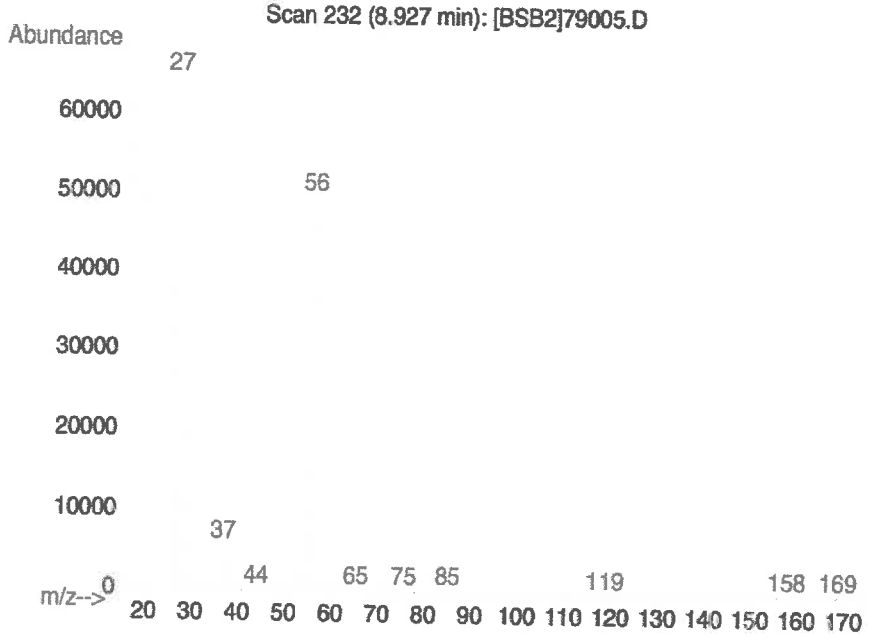
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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.





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- 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).

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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

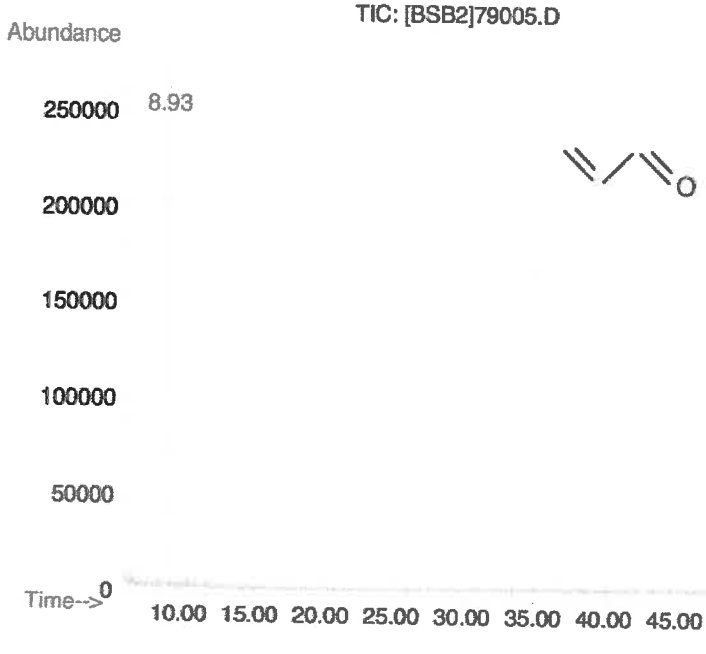
Solvent(s): Water **Lot#** 072324Q

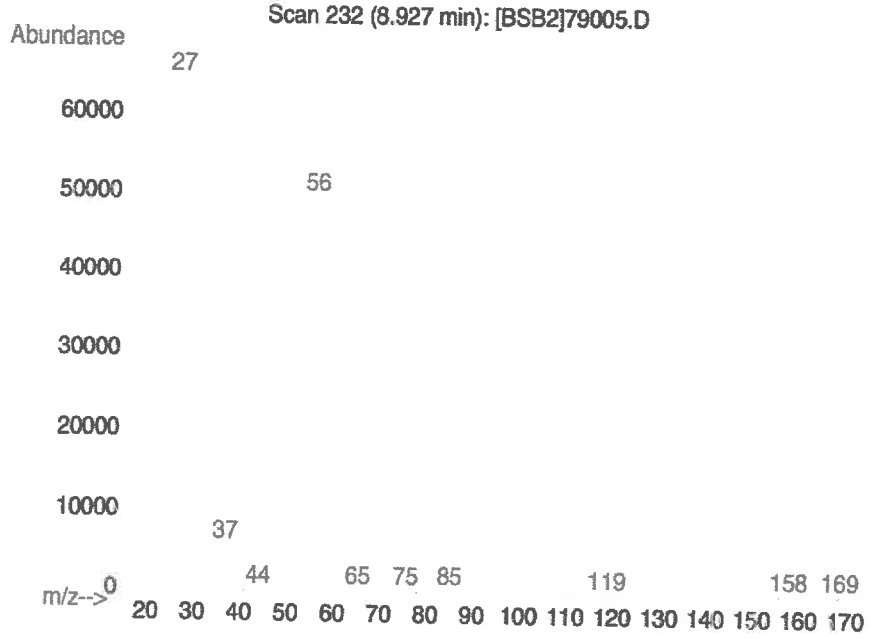
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Justin Dippold	091424 DATE
Reviewed By:	Pedro L. Rentas	091424 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.





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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

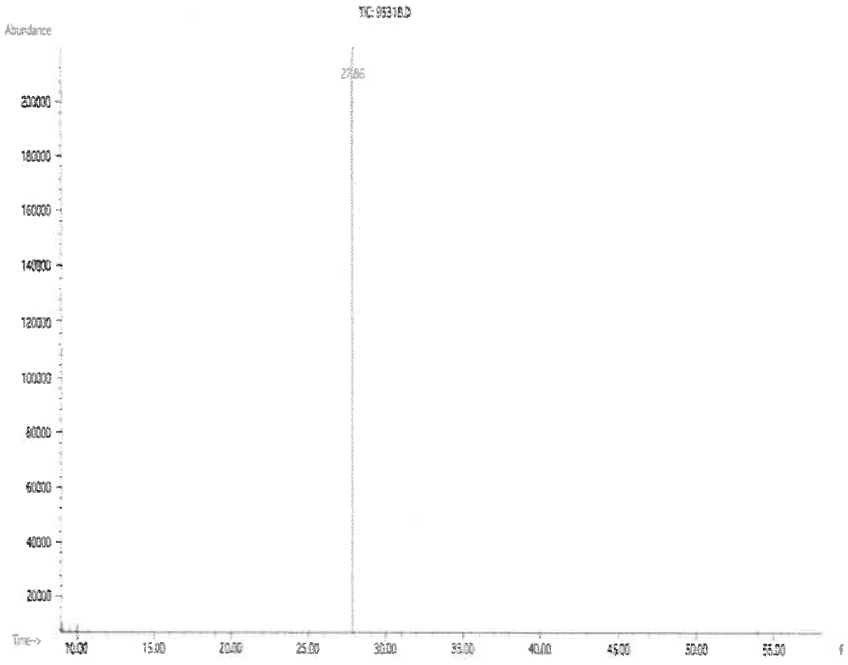
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

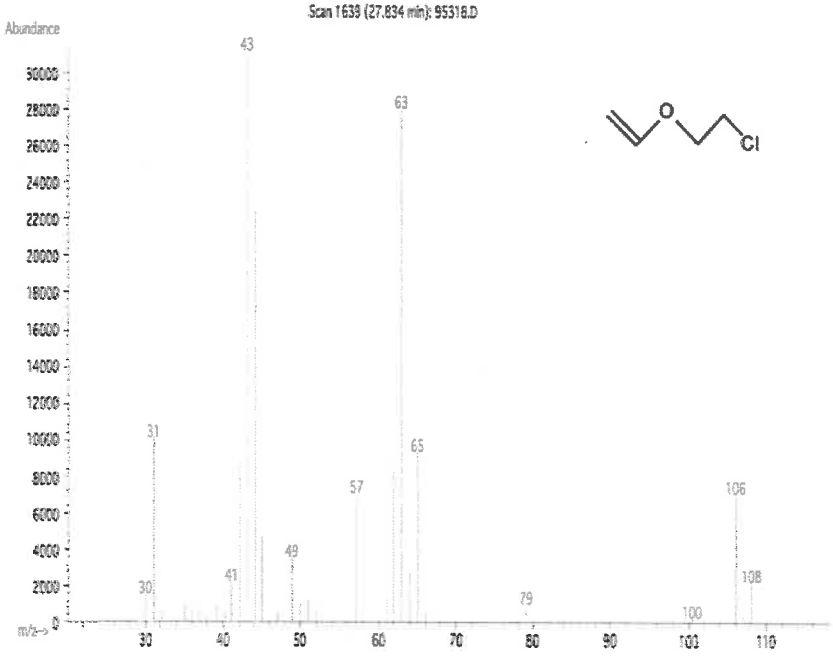
Weight(s) shown below were combined and diluted to (mL): 50.0

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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- 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

Dec 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

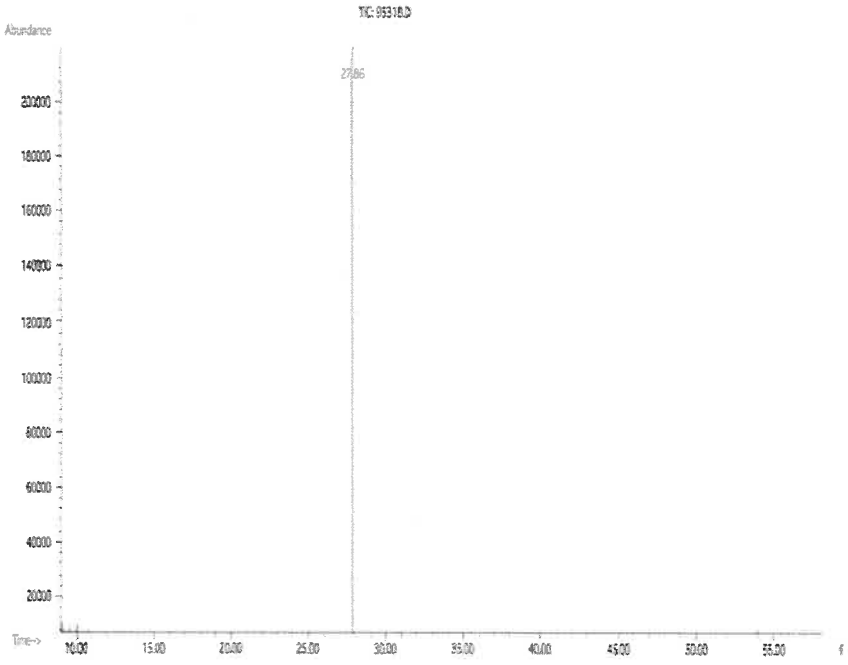
Solvent(s):	Lot#
Methanol	EJ143-US

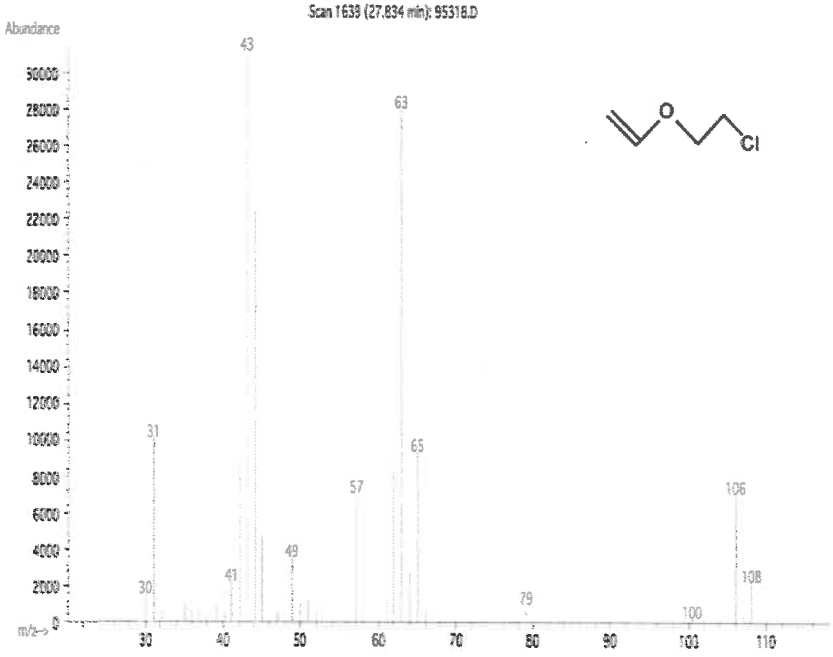
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. 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.
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- 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
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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
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

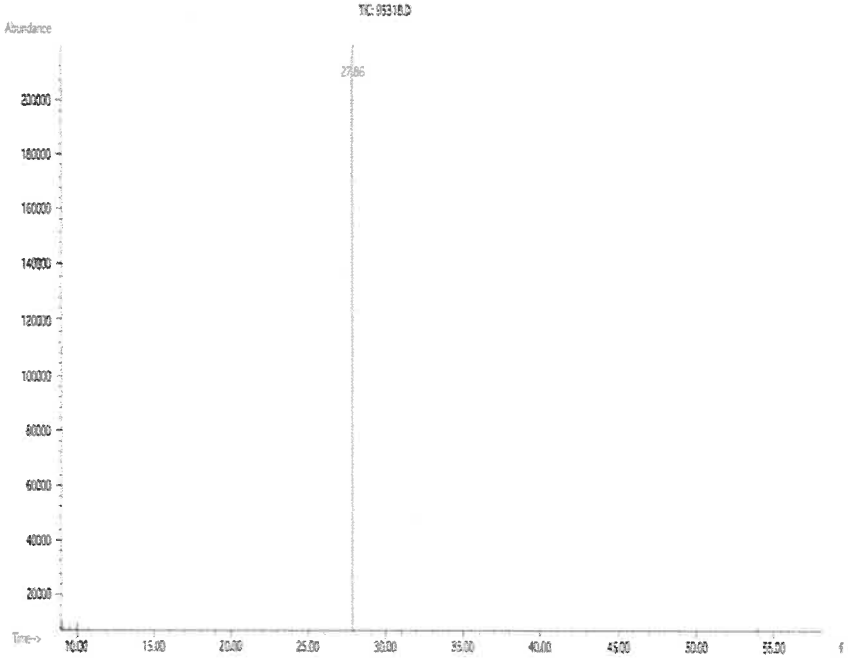
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

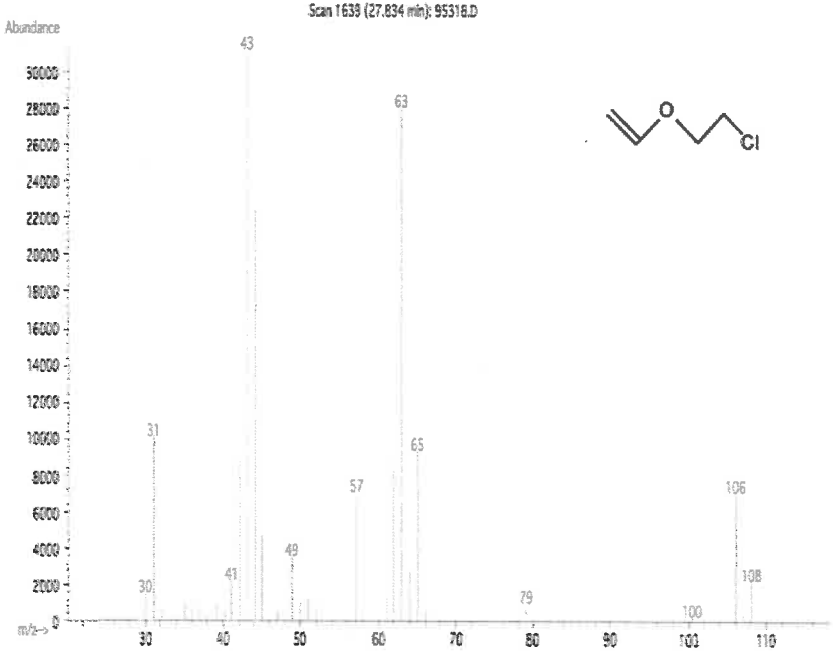
Weight(s) shown below were combined and diluted to (mL): 50.0

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

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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

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Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

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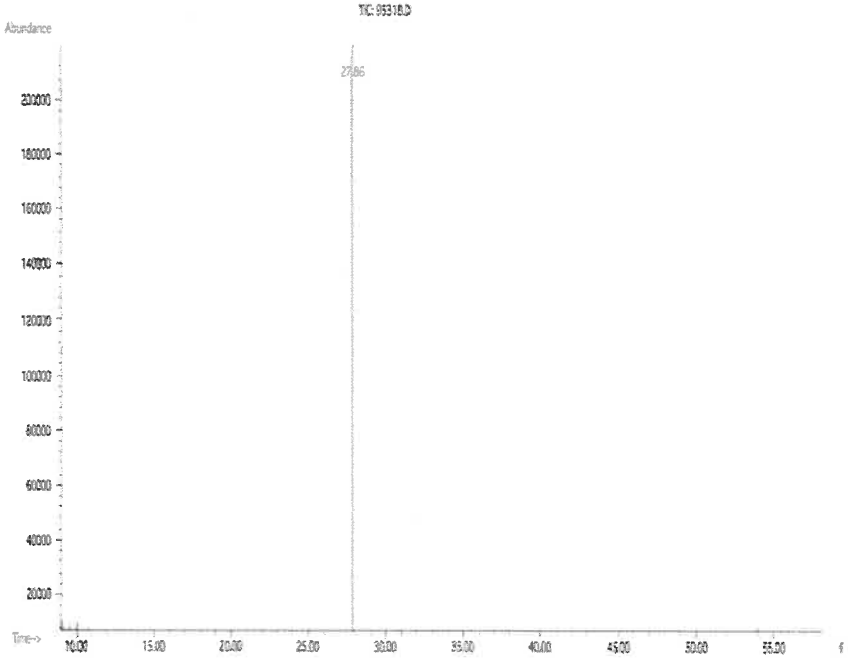
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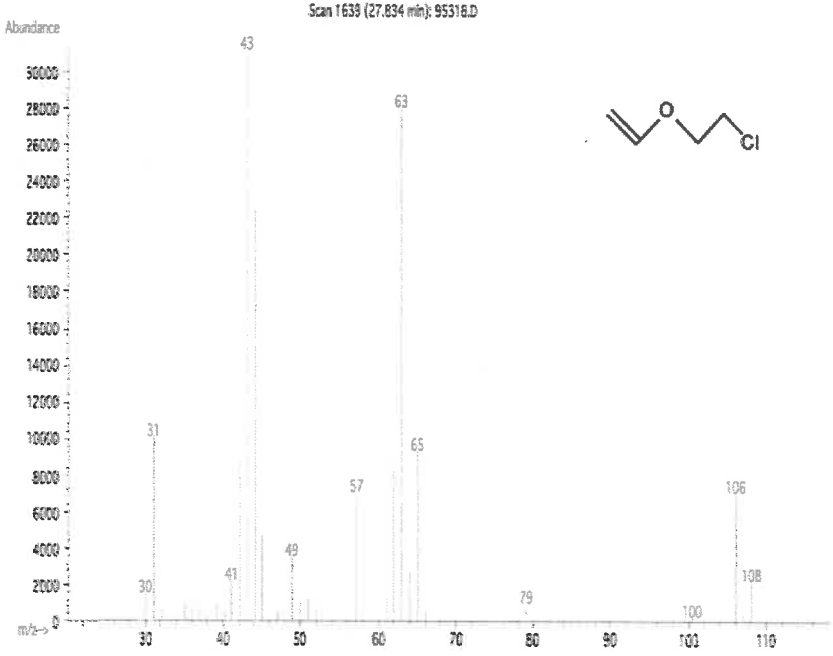
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Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded 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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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**
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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.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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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.
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Skin notation TWA 200 ppm
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Solubility in Water COMPLETE

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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

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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.)

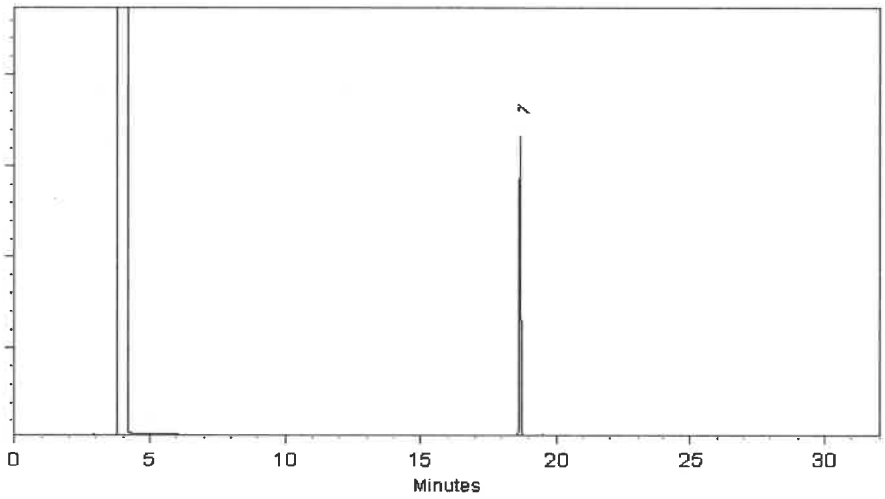
Inj. Temp:
200°C

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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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

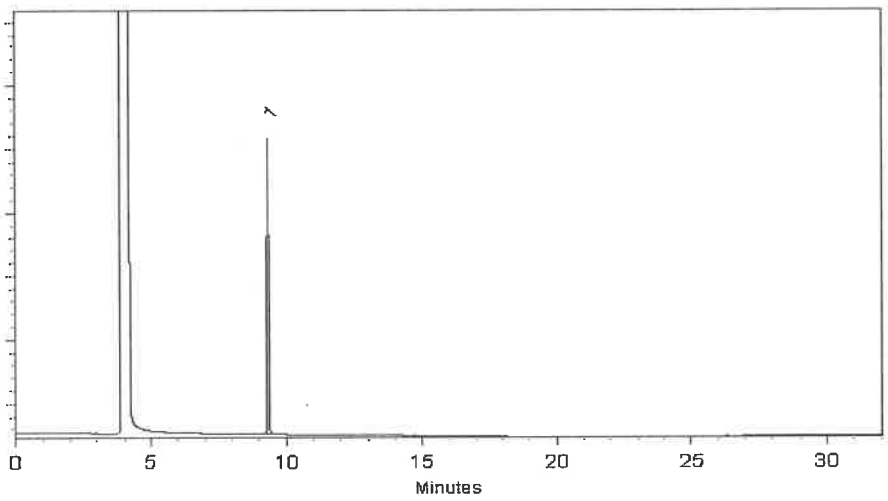
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

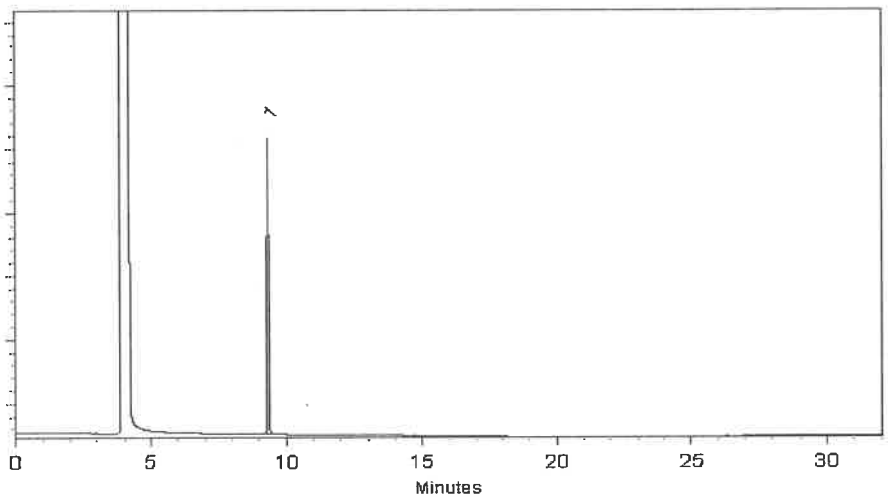
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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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.)

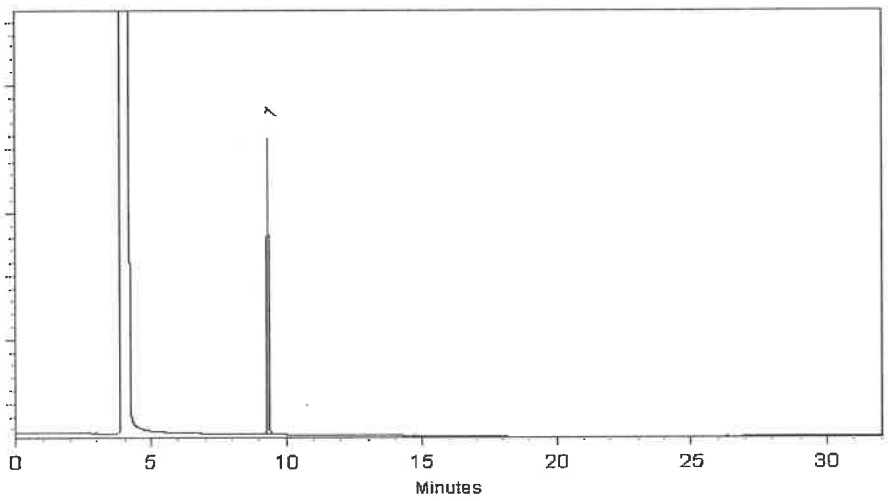
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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 values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling 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.)

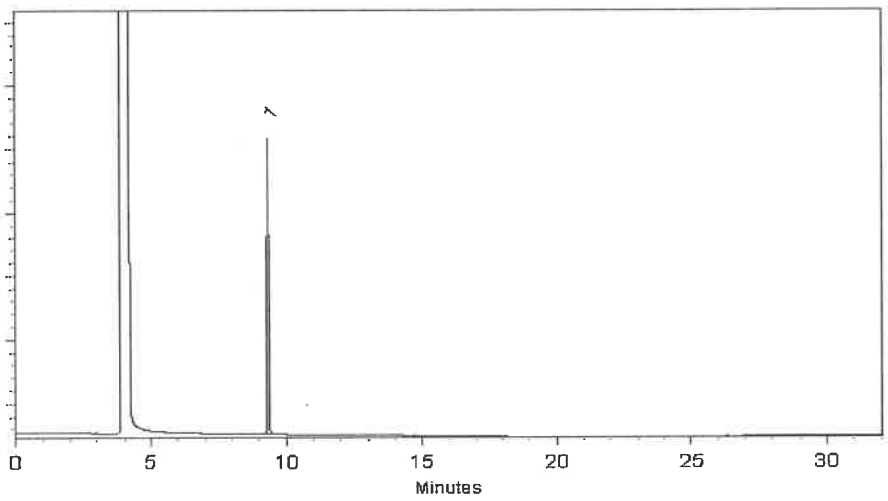
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

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Manufacturing Notes:

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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.)

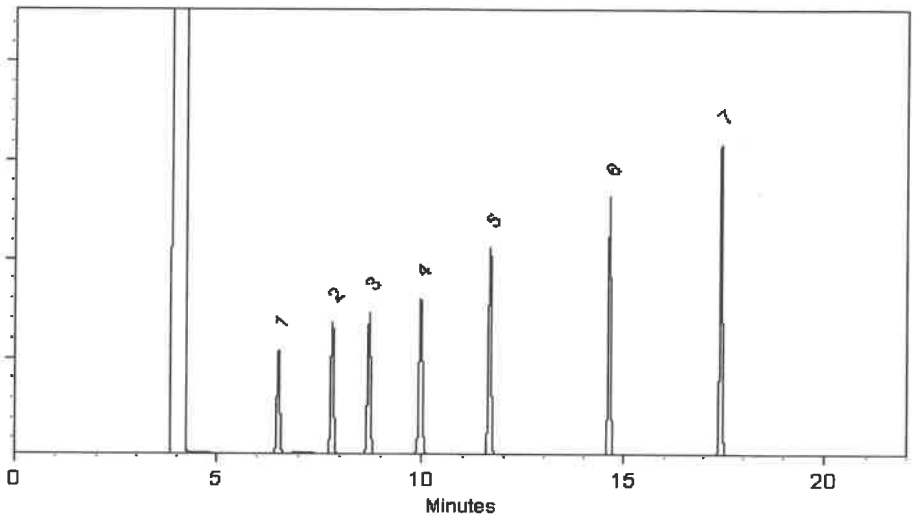
Inj. Temp:
200°C

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:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

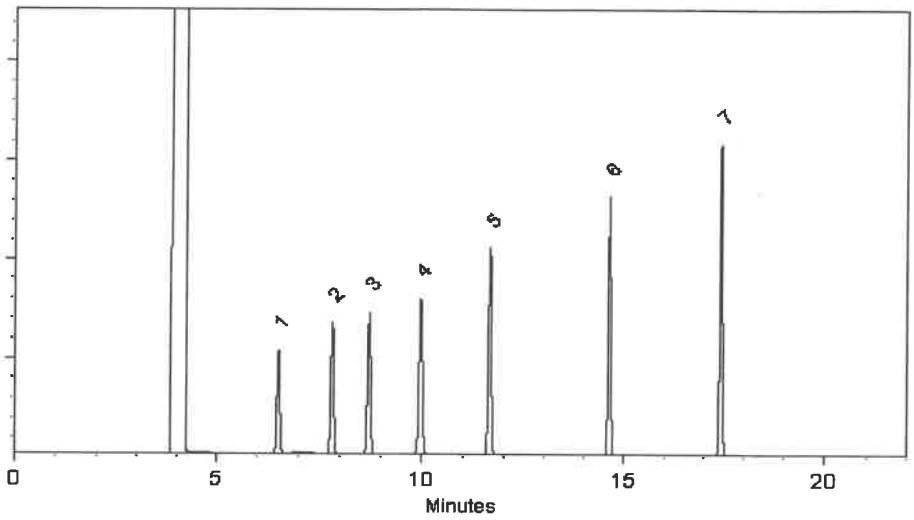
Inj. Temp:
200°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** 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.)

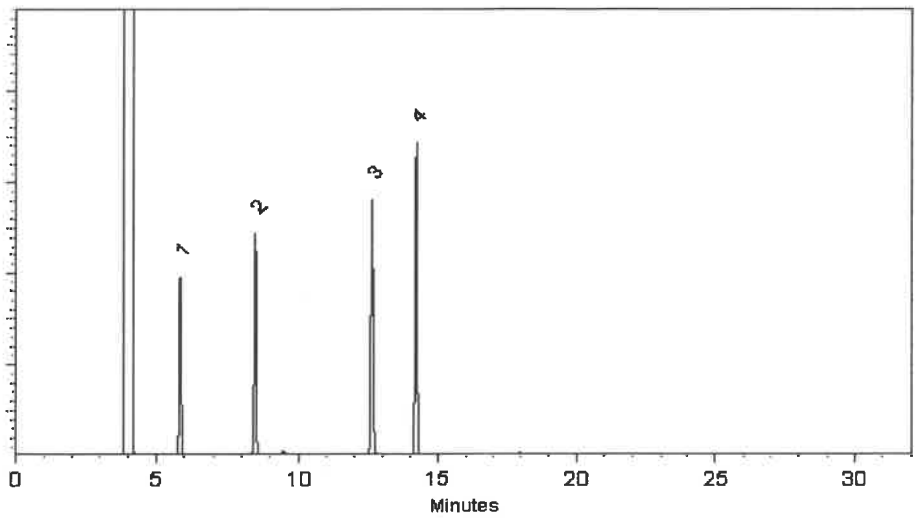
Inj. Temp:
200°C

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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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.)

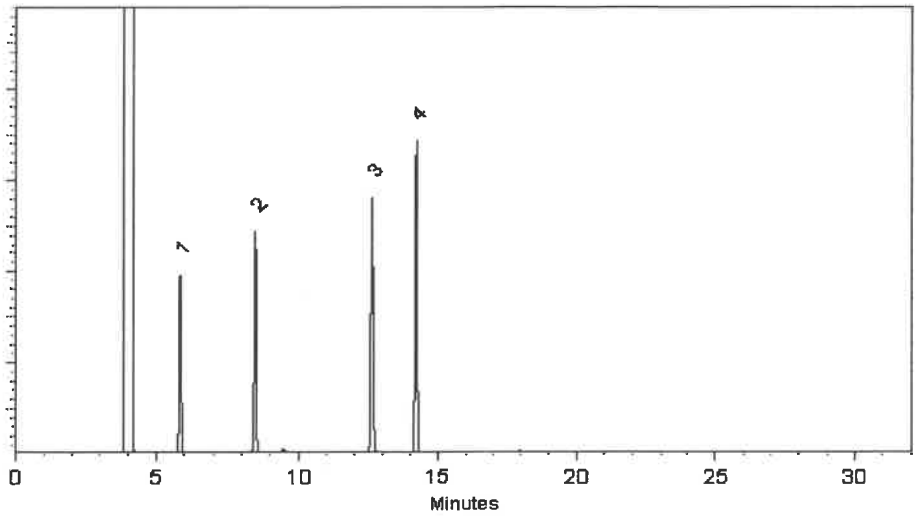
Inj. Temp:
200°C

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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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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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

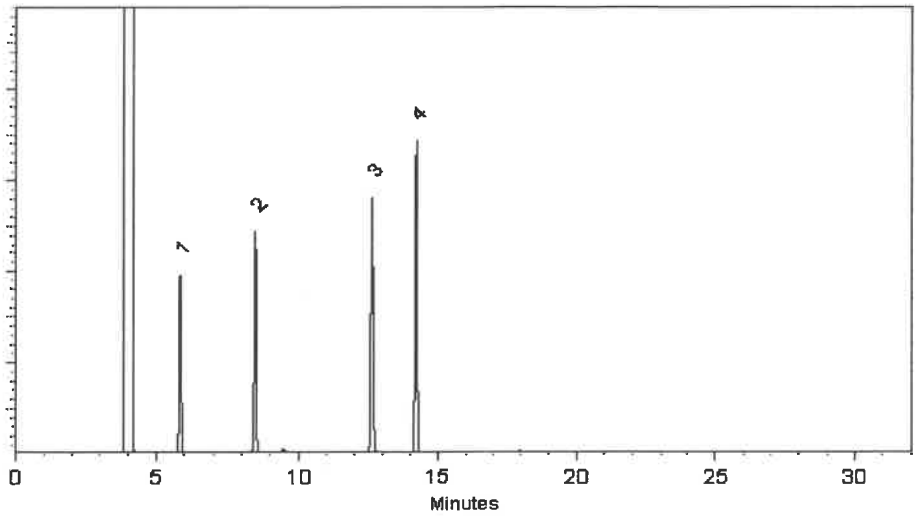
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

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chromatographic plus

V14727 to
V14756

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Reference Material Producer
Certificate #3222.01

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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.

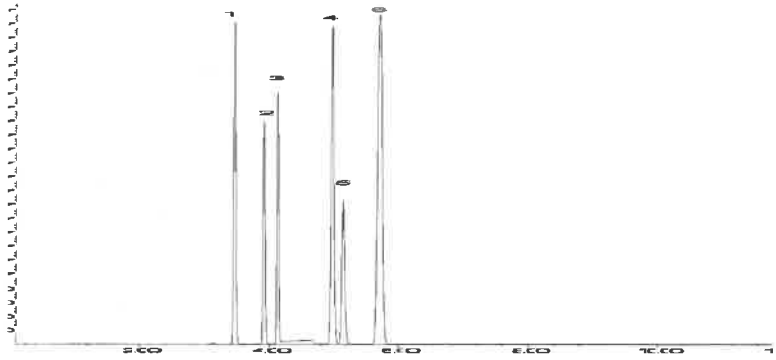
Inj. Temp:
200°C

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.
- 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 Vial

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V14727 to
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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.

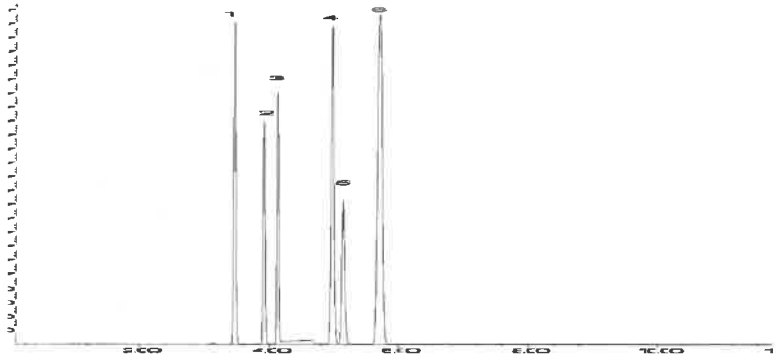
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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.)

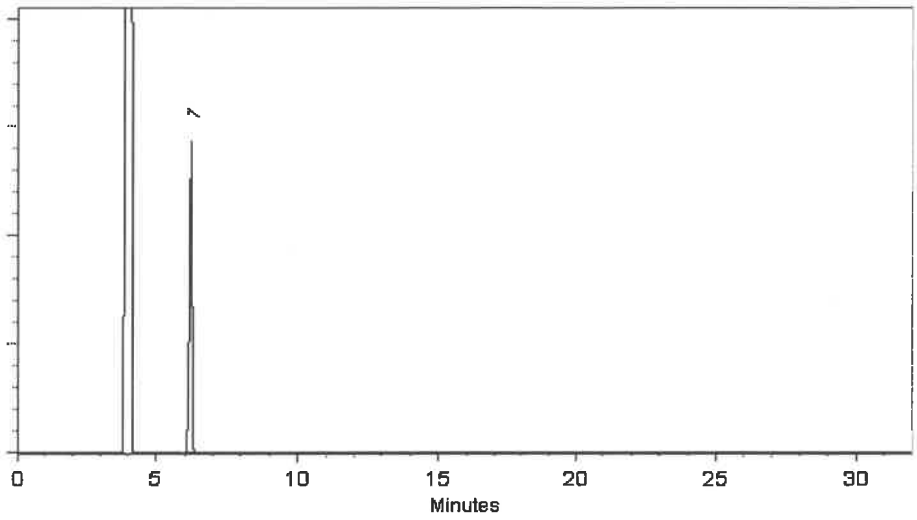
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

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.)

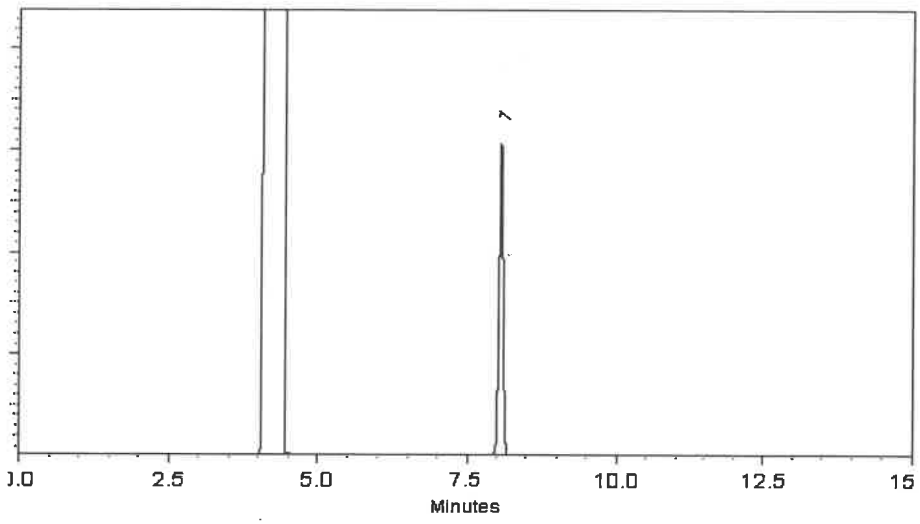
Inj. Temp:
200°C

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:

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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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

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.)

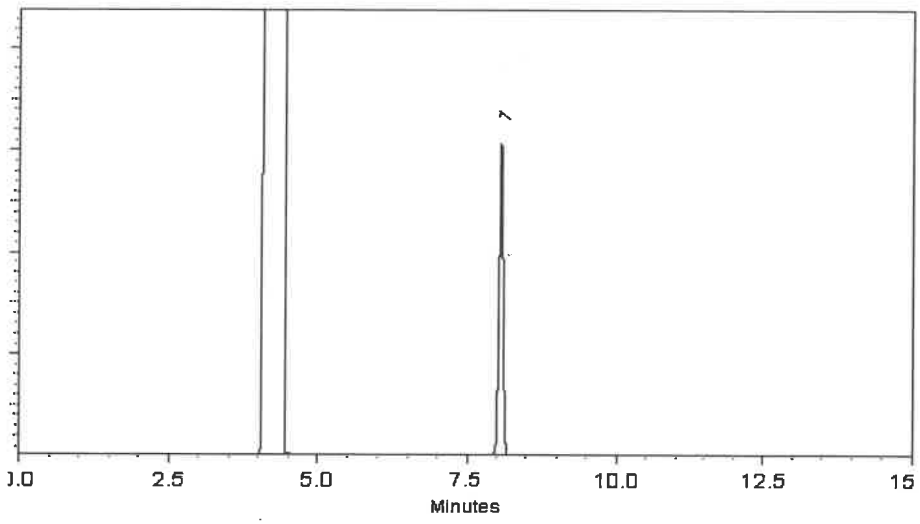
Inj. Temp:
200°C

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
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

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) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. Q1559
COC Number 2041504

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 17 ELLIS PL
CITY OSSINING STATE: NY ZIP 10563
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☑ EDD FORMAT NYSDEC EDD CAT B

ANALYSIS

1 VOCs 8260
2 14 DIOXANE SIM 8270
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A/E	E	3	4	5	6	7	8	9
								1	2							
1.	RE115D1-20250310	GW		X	3-10-25	1005	3	2	1							
2.	RE115D2-20250310	GW		X		1025	3	2	1							
3.	RE134D1-20250310	GW		X		1148	3	2	1							
4.	RE134D3-20250310	GW		X		1020	3	2	1							
5.	RE134D4-20250310	GW		X		1020	3	2	1							
6.	TT149S1-20250310	GW		X		1140	3	2	1							
7.	RE125D3-20250310	GW		X		1155	3	2	1							
8.	DUP02-20250310	GW		X		—	3	2	1							
9.	DUP03-20250310	GW		X		—	3	2	1							
10.	RW10-MW01D-20250311	GW		X	3-11-25	0930	3	2	1							

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

COMMENTS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3-12-25 1602	1. 3-12-25
2.		2.
3.	3-12-25 1819	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7 °C
Comments:

Page 1 of 3

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1559
COC Number 2041503

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BATH PAGE
PROJECT NO.: 60731872 LOCATION: BATH PAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PL
CITY OSSINING STATE: NY ZIP: 10563
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☑ EDD FORMAT NYSDEC EDD CAT B

ANALYSIS

VOCs 8260
1,4 DIOXANE SIM 8270

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 A/E	2 E	3	4	5	6	7	8	9	COMMENTS
1.	RW10-MW01S20250311	GW		X	3-11-25	0948	3	2	1								
2.	TT158S1-20250311	GW		X		0915	3	2	1								
3.	TT158I1-20250311	GW		X		1130	3	2	1								
4.	RW10A-MW01S-20250311	GW		X		1110	3	2	1								
5.	RW10A-MW01I-20250311	GW		X		1115	3	2	1								
6.	RW4/RE137-20250311	GW		X		1325	3	2	1								
7.	RE104D1-20250312	GW		X	3-12-25	1225	3	2	1								
8.	TB	DW		X	0109-25	—	2	2									
9.	DUP05-20250312	GW		X	3-12-25	—	3	2	1								
10.	RE120D1-20250312	GW		X	3-12-25	1255	3	2	1								

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3-12-25 1600	1. 3/12/25
2.		2.
3.	3-12-25 1814	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7 °C
Comments:

Page 2 of 3

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1559
COC Number 2041506

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PL
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☒ EDD FORMAT NYSDEC EQUIS

ANALYSIS

VOCs 8260 w/ 1,4 Dioxane SIM 8270

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RE120D2-20250312	GW		X	3-12-25	1245	3	2	1								
2.	RE120D3-20250312	GW		X	3-12-25	1300	3	2	1								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	3-12-25	1.	3-12-25 1600
2.		2.	
3.	3-12-25 1819	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7 °C
Comments:

Page 3 of 3

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1559 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 3/12/2025 4:47:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 3/12/2025 6:19:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1559-01	RE115D1-20250310	Water	03/10/2025	10:05					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-02	RE115D2-20250310	Water	03/10/2025	10:25					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-03	RE134D1-20250310	Water	03/10/2025	11:48					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-04	RE134D3-20250310	Water	03/10/2025	10:20					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-05	RE134D4-20250310	Water	03/10/2025	10:20					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-06	TT149S1-20250310	Water	03/10/2025	11:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-07	RE125D3-20250310	Water	03/10/2025	11:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-08	DUP02-20250310	Water	03/10/2025	00:00					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1559 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/12/2025 4:47:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 3/12/2025 6:19:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-09	DUP03-20250310	Water	03/10/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-10	RW10-MW01D-20250311	Water	03/11/2025	09:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-11	RW10-MW01S-20250311	Water	03/11/2025	~~11:15~~ 9:48					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-12	TT158S1-20250311	Water	03/11/2025	09:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-13	TT158I1-20250311	Water	03/11/2025	11:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-14	RW10A-MW01S-20250311	Water	03/11/2025	11:10					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1559-15	RW10A-MW01I-20250311	Water	03/11/2025	11:15					
					VOCMS Group1		8260-Low	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1559 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/12/2025 4:47:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/12/2025 6:19:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1559-16	RW4-RE137-20250311	Water	03/11/2025	13:25					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-17	RE104D1-20250312	Water	03/12/2025	12:25					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-18	TB	Water	03/12/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-19	DUP05-20250312	Water	03/12/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-20	RE120D1-20250312	Water	03/12/2025	12:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-21	RE120D3-20250312	Water	03/12/2025	1:00 ~~12:45~~					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1559-22	RE120D2-20250312	Water	03/12/2025	12:45 ~~13:00~~					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1559 AECO15	**Order Date :**	3/12/2025 4:47:00 PM	**Project Mgr :**	
Client Name :	AECOM Technical Service	**Project Name :**	NAVFAC NWIRP Bethpage	**Report Type :**	~~Results Only~~ NYS ASP B
Client Contact :	Eleanor Vivadou	**Receive DateTime :**	3/12/2025 6:19:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM Technical Service	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Eleanor Vivadou			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : AR
Date / Time : 3-13-25 10:20

Received By : AL
Date / Time : 3-13-25 10:20

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	2512	1.537	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	3.080%#		
35) Dibromofluoromethane	5.391	113	1752	1.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.780%#		
50) Toluene-d8	8.653	98	5691	1.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.480%#		
62) 4-Bromofluorobenzene	11.085	95	1685	1.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.220%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l	90
3) Chloromethane	1.301	50	1552	0.975	ug/l	91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l #	85
5) Bromomethane	1.593	94	824	1.335	ug/l	99
6) Chloroethane	1.673	64	1228	1.591	ug/l #	74
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l	97
8) Diethyl Ether	2.130	74	835	1.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l	87
10) Methyl Iodide	2.447	142	1156	0.775	ug/l #	96
11) Tert butyl alcohol	2.941	59	5356	17.299	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
13) Acrolein	2.239	56	1756	4.906	ug/l	98
14) Allyl chloride	2.660	41	2343	1.055	ug/l	93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l	99
16) Acetone	2.380	43	4259	5.635	ug/l	100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l #	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l	91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l	91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l #	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l	97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l #	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l	96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l #	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l #	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l #	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l #	34
30) Chloroform	5.093	83	2478	0.978	ug/l	92
31) Cyclohexane	5.465	56	1875	0.843	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l #	84
37) Ethyl Acetate	4.739	43	1582	0.703	ug/l #	70
38) Carbon Tetrachloride	5.660	117	588	0.332	ug/l #	81
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.958	41	912	0.748	ug/l	#	80
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1125	0.699	ug/l	#	61
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1878	1.246	ug/l		86
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
81) trans-1,4-Dichloro-2-b...	11.031	75	285	0.646	ug/l	#	81
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	11.976	146	1948	0.900	ug/l		97
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

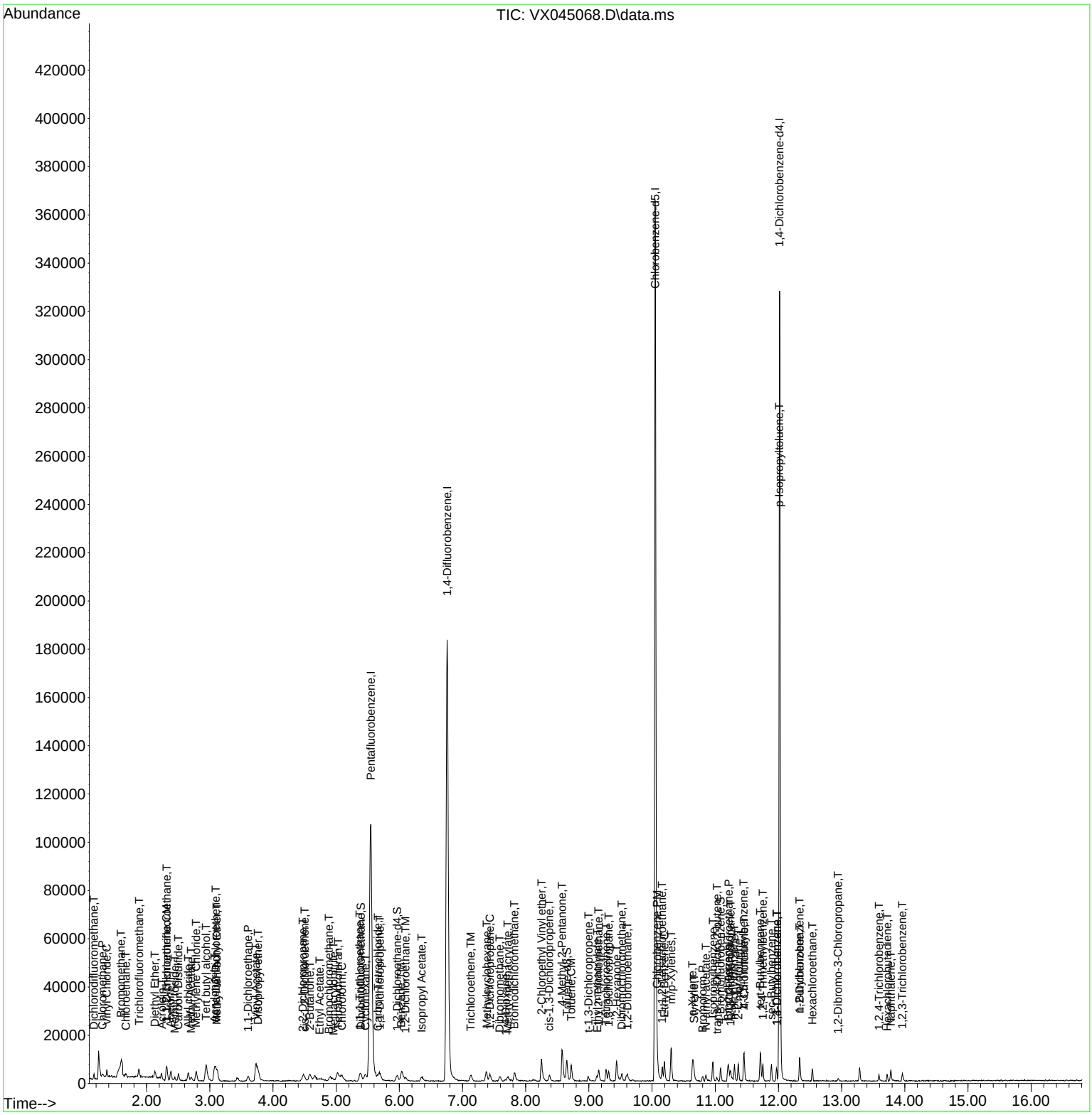
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

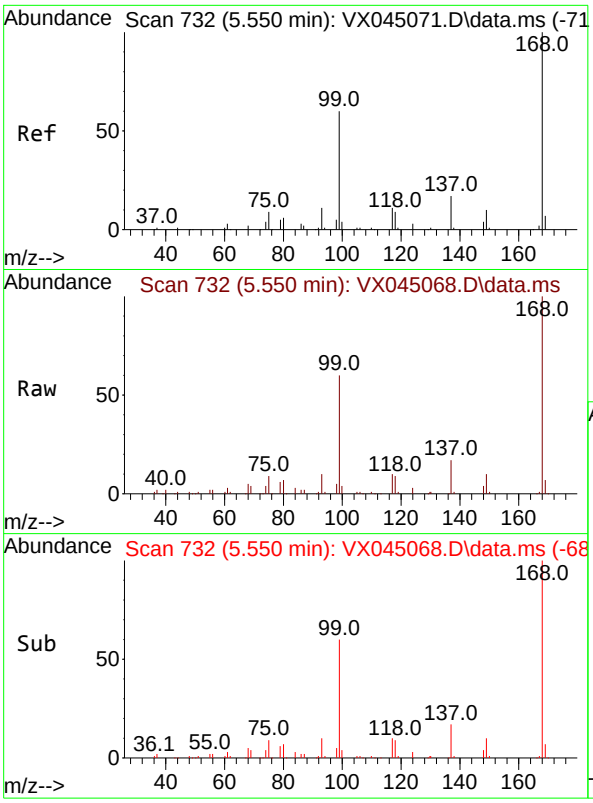
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration



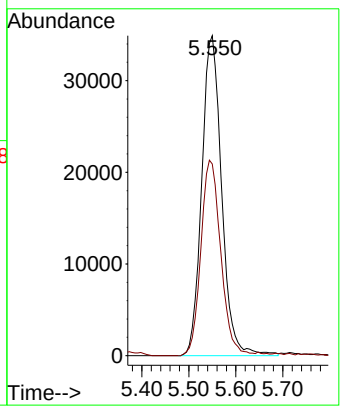


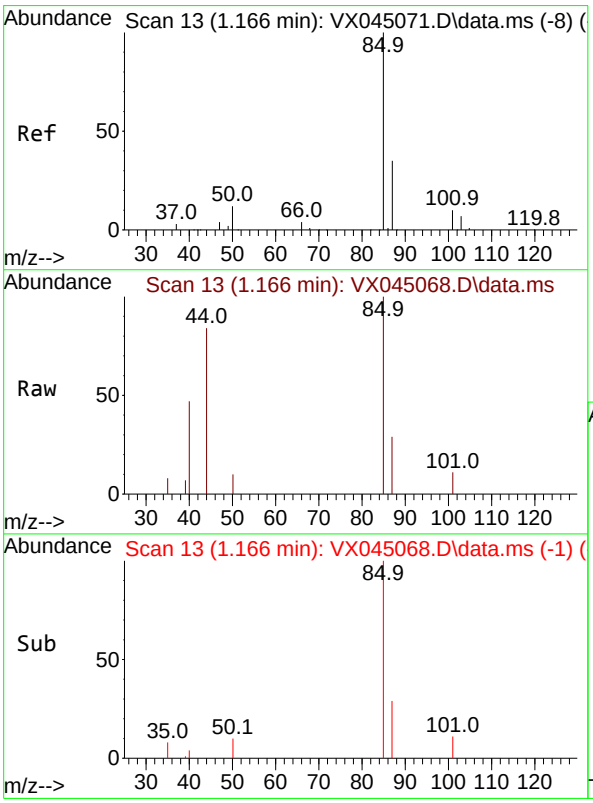
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

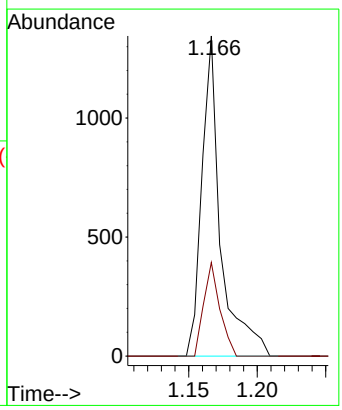


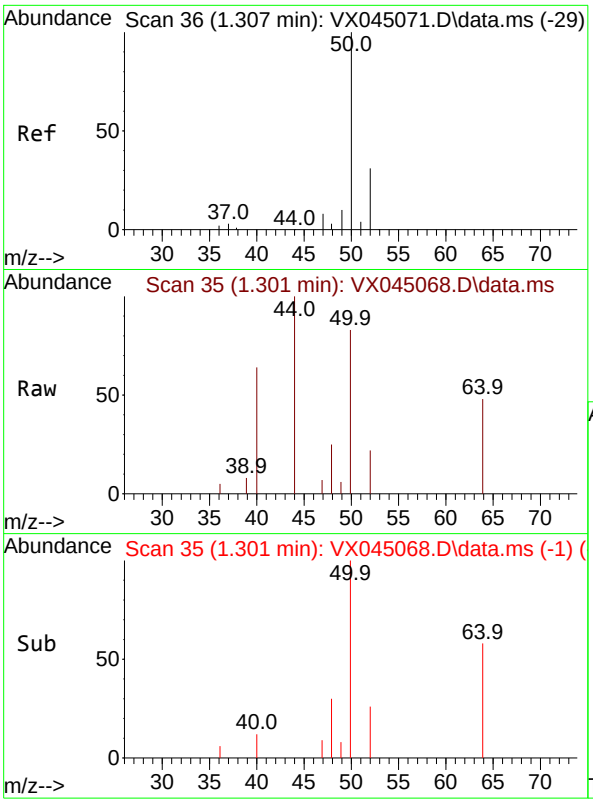


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



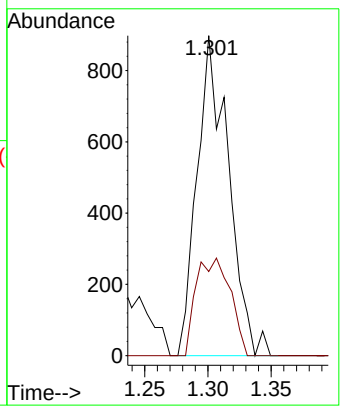


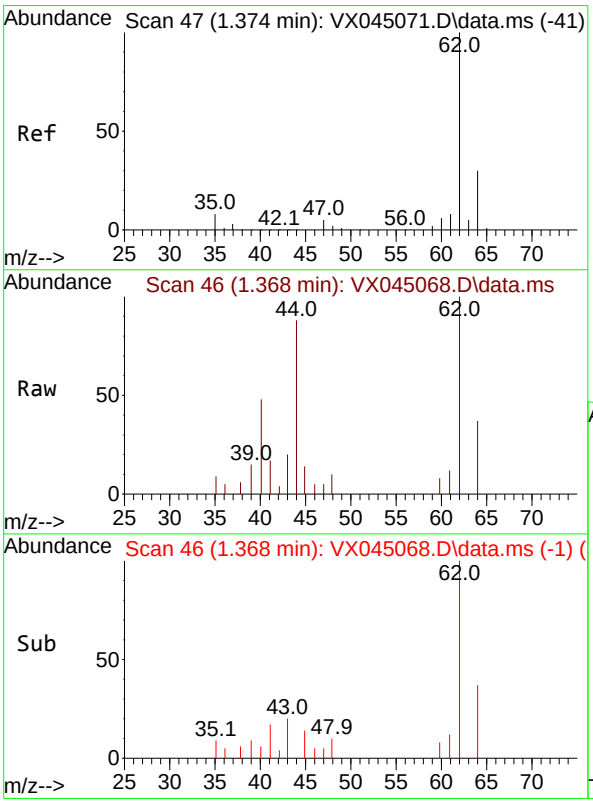
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

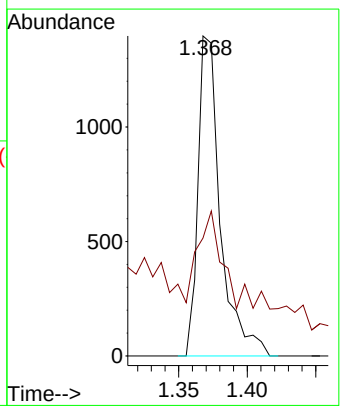


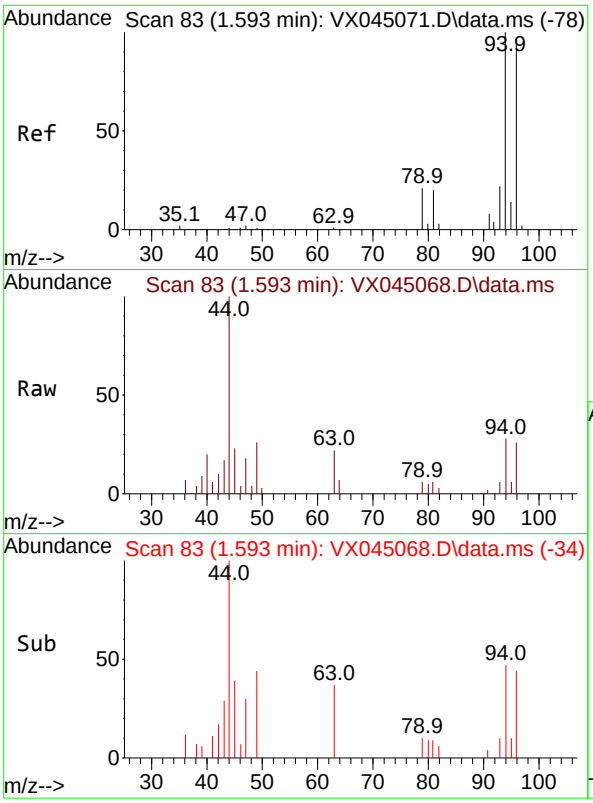


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



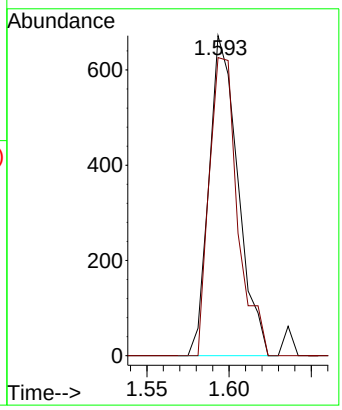


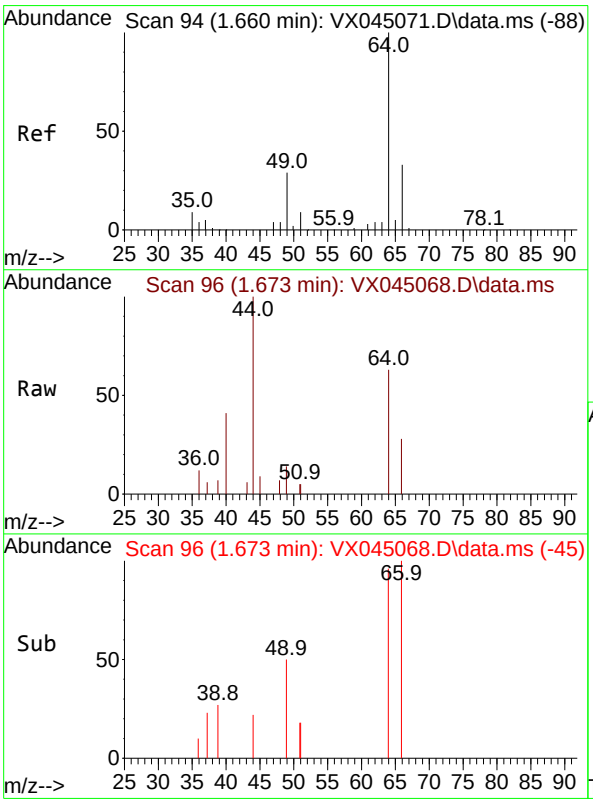
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

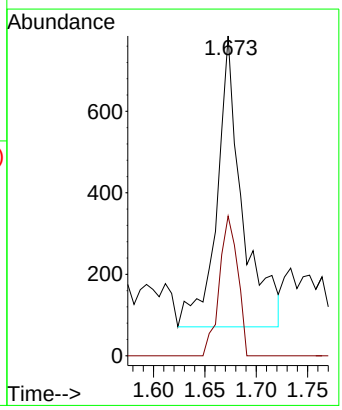


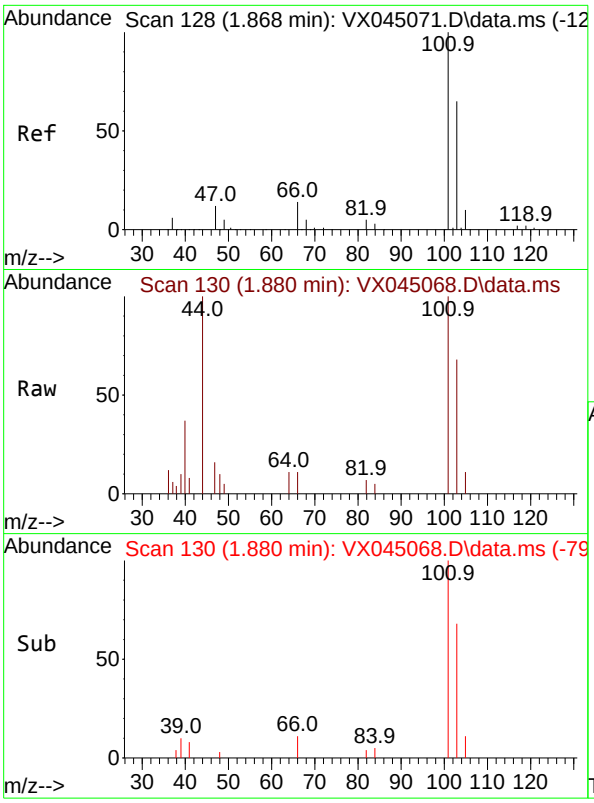


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



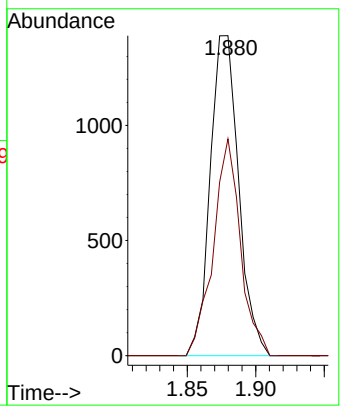


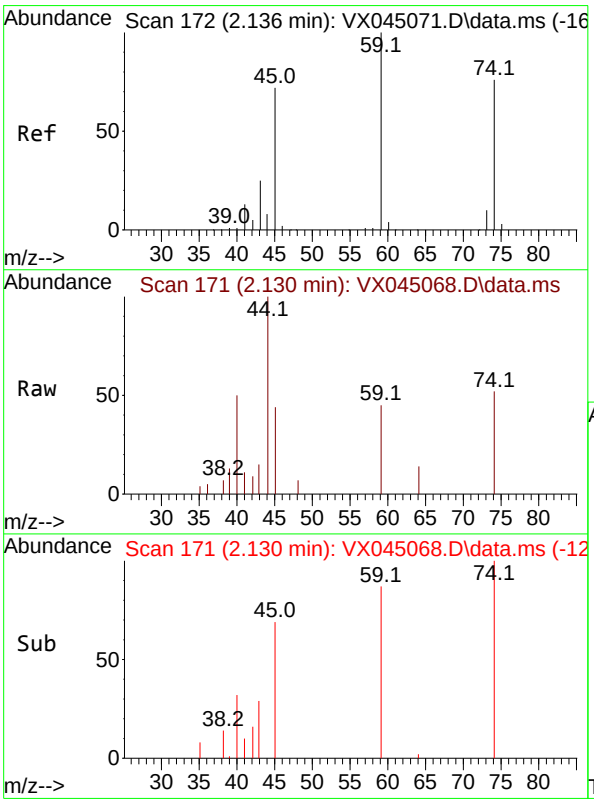
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

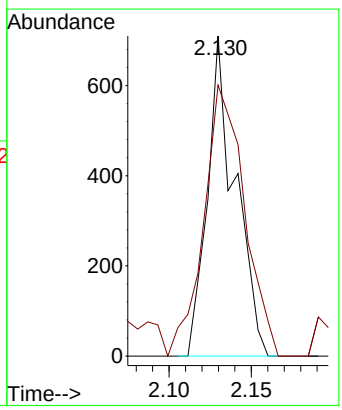


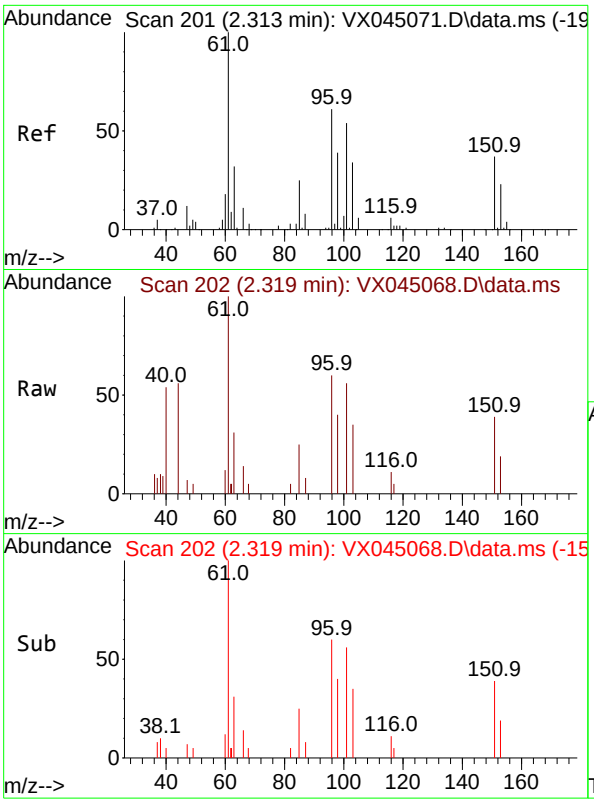


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



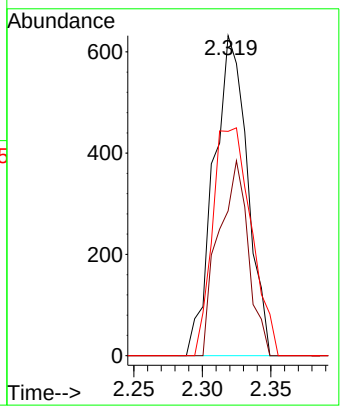


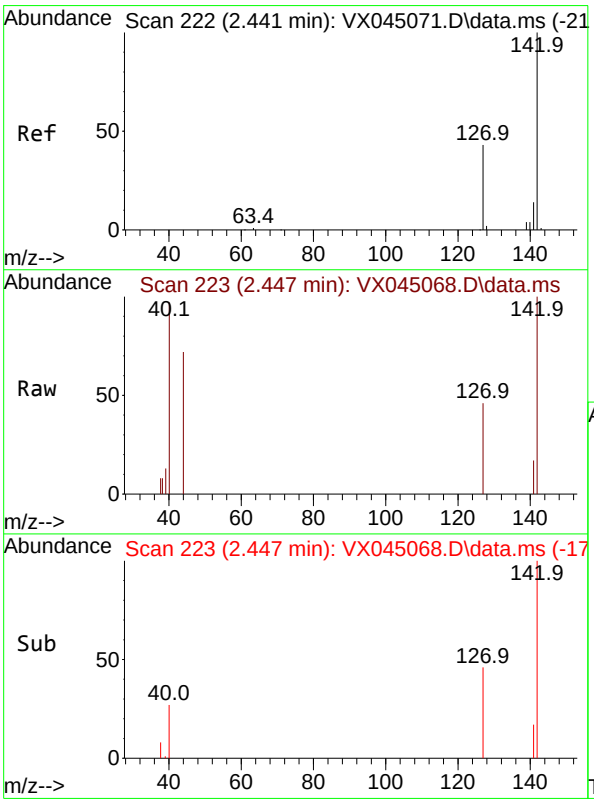
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

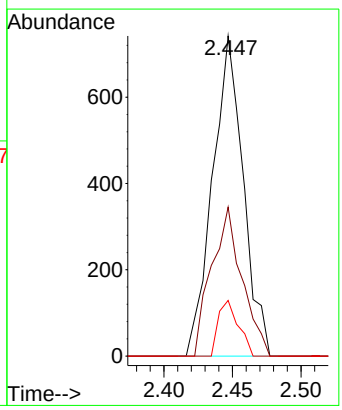


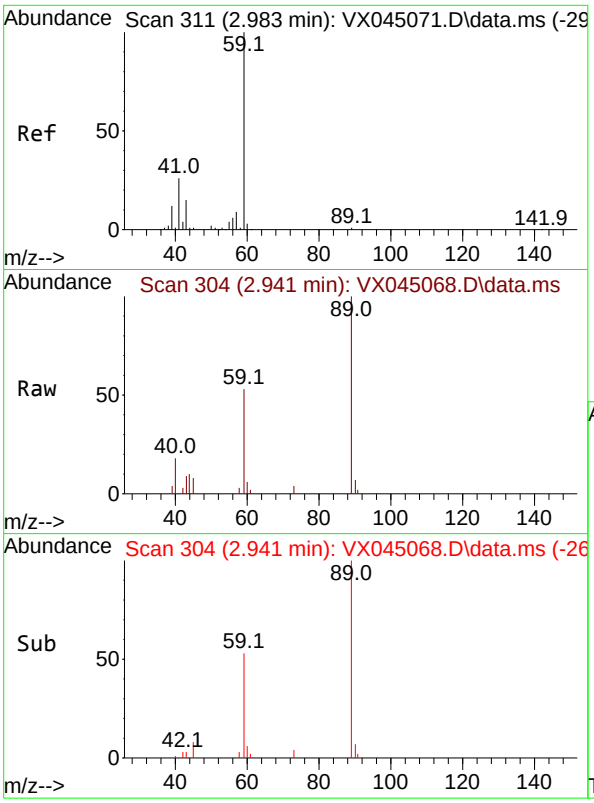


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	11.3	11.6	17.4#



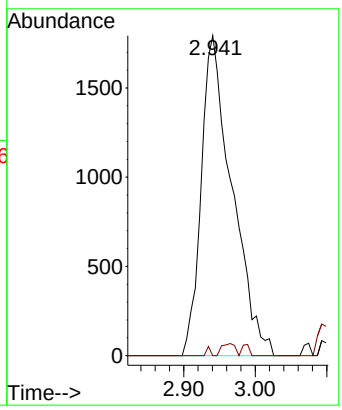


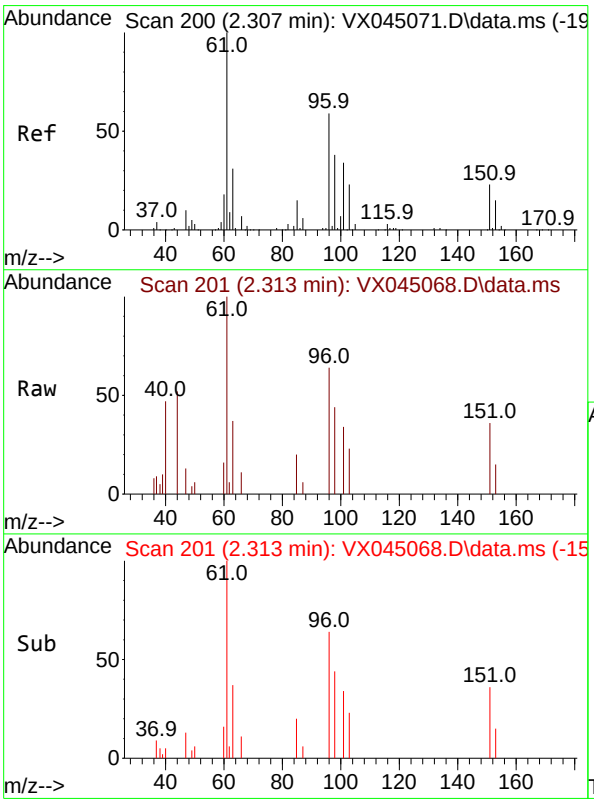
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

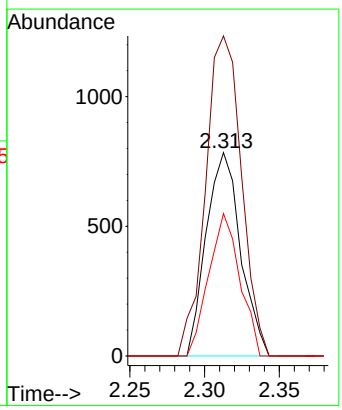


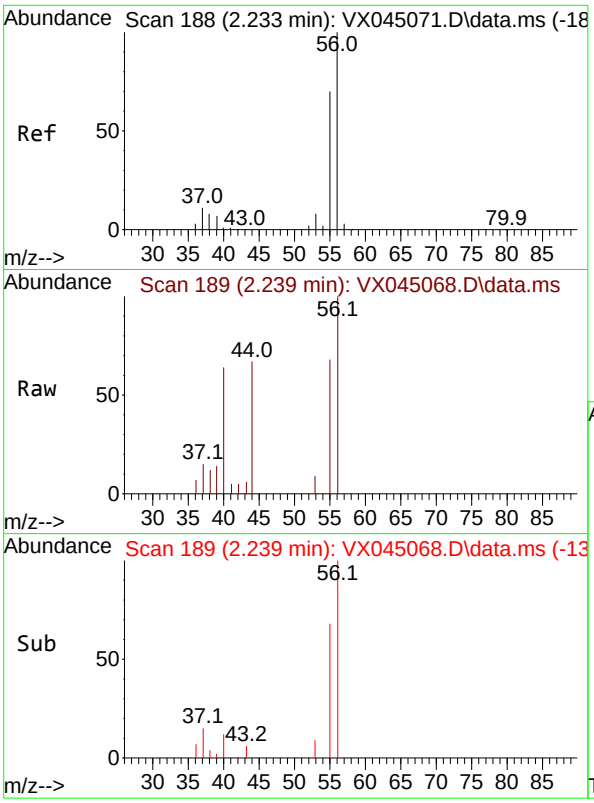


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 1251

Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



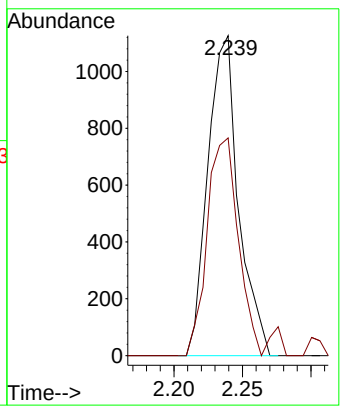


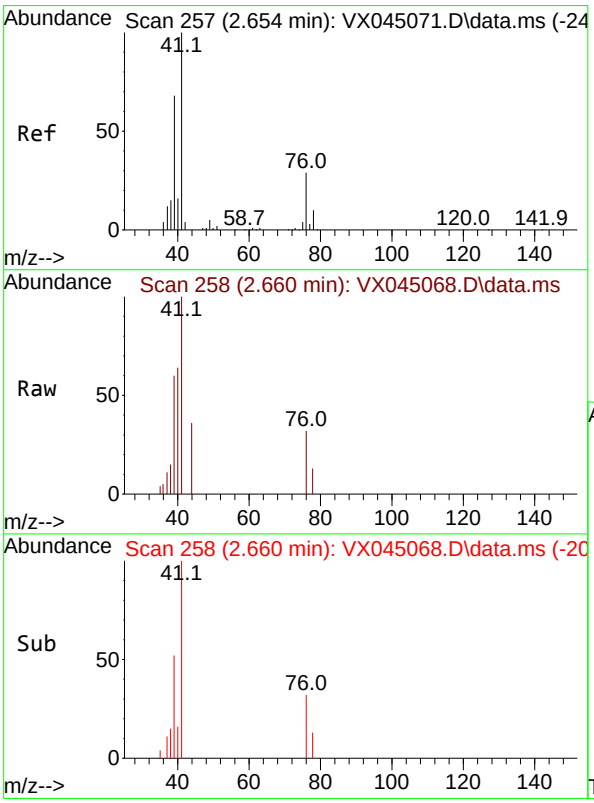
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

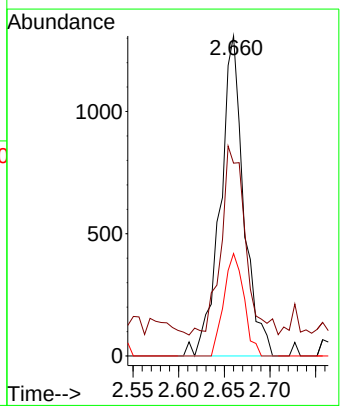


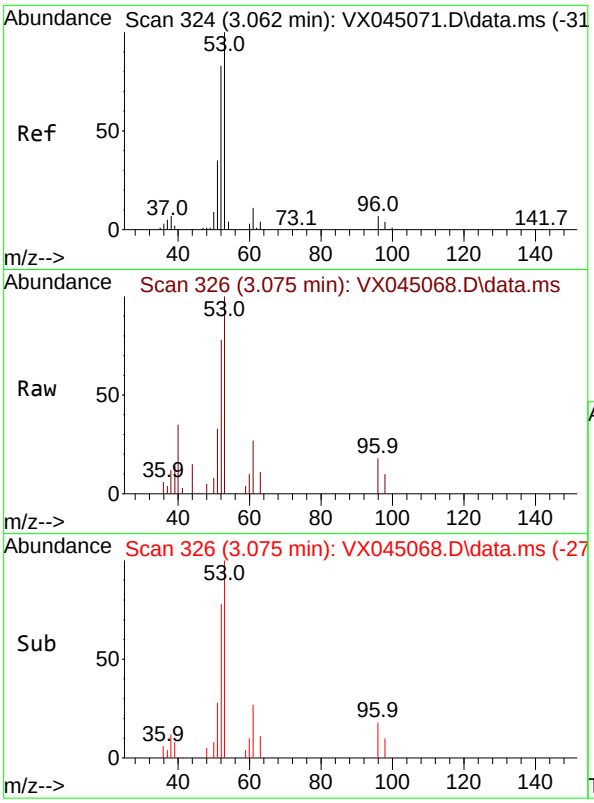


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8



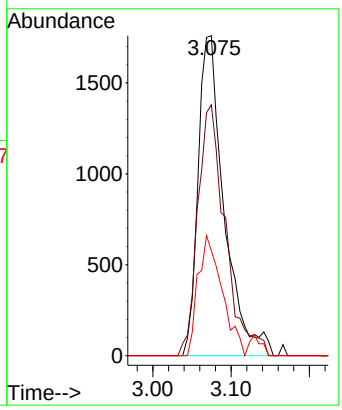


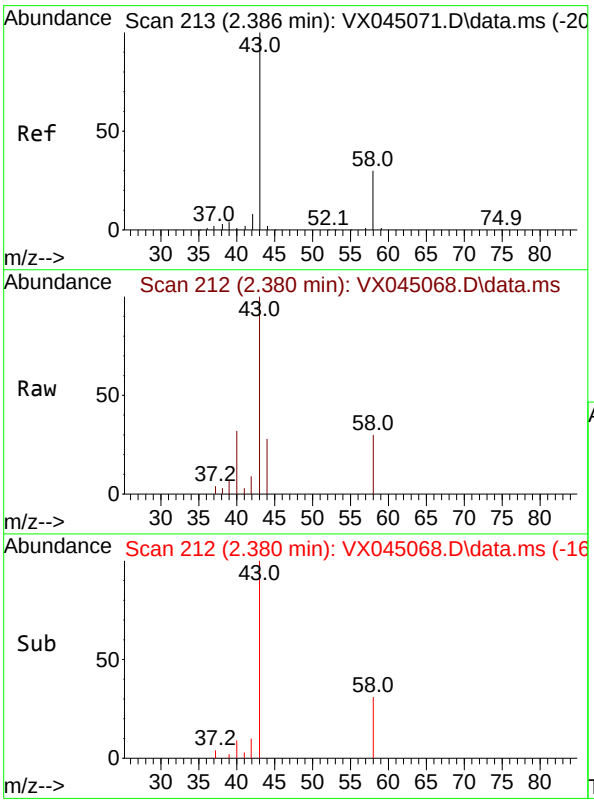
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4067

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

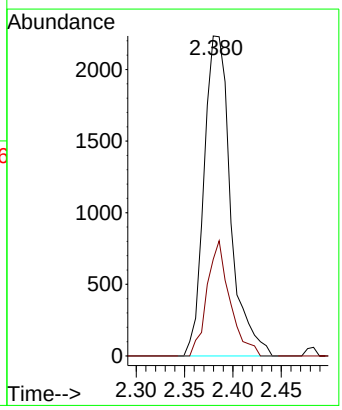


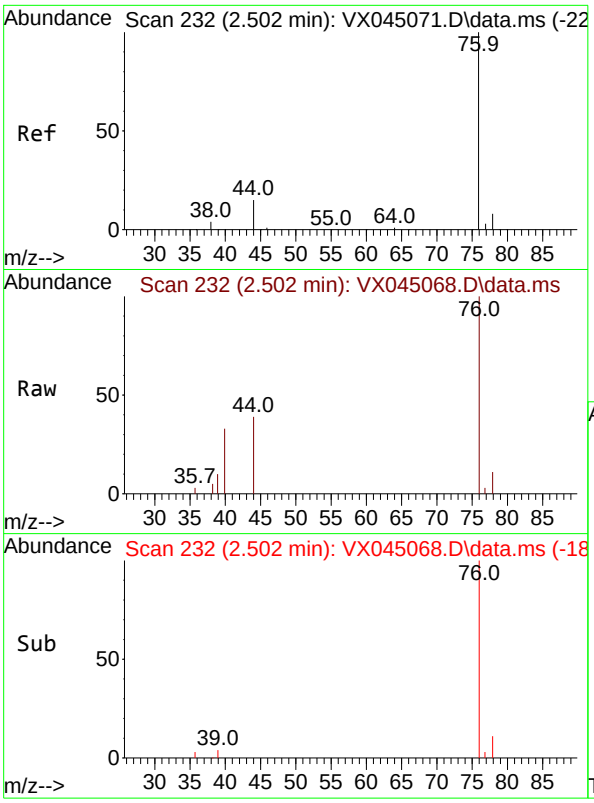


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



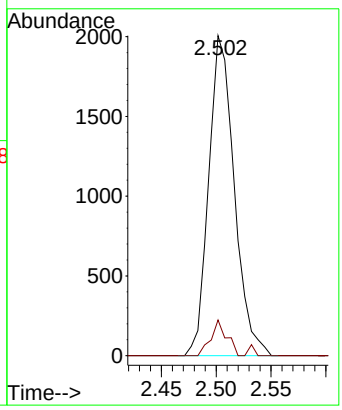


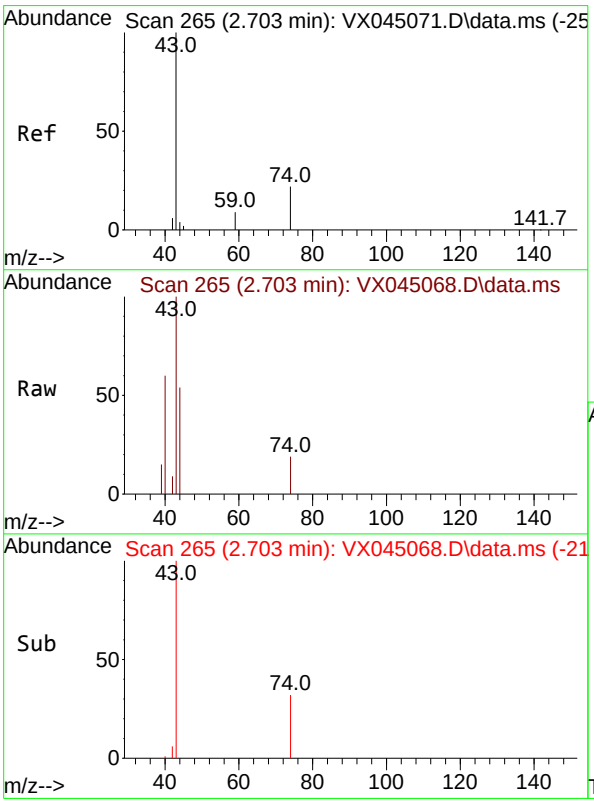
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

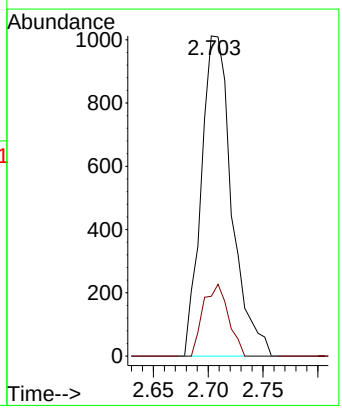


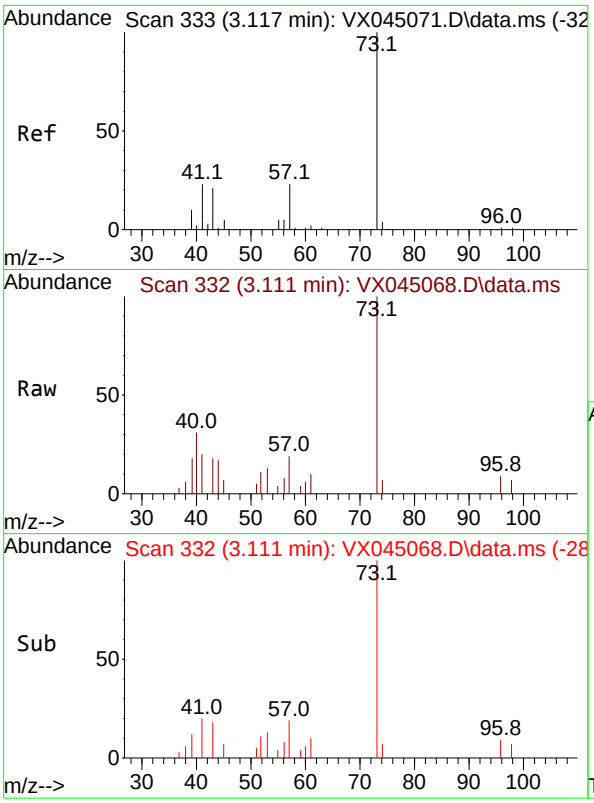


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



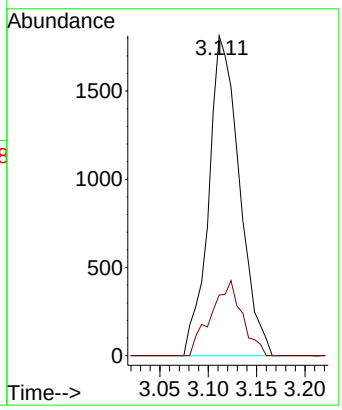


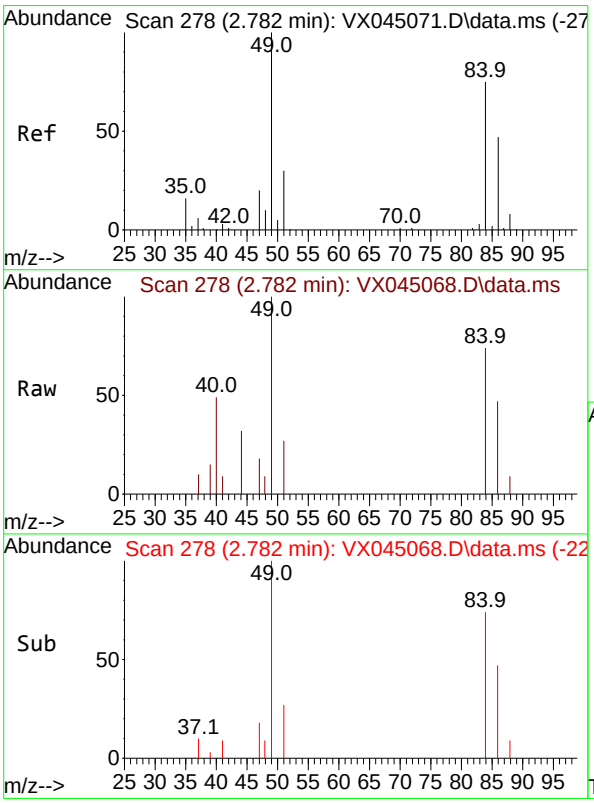
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

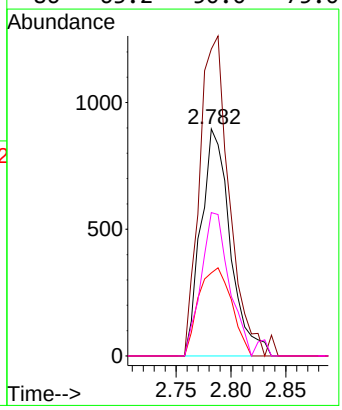


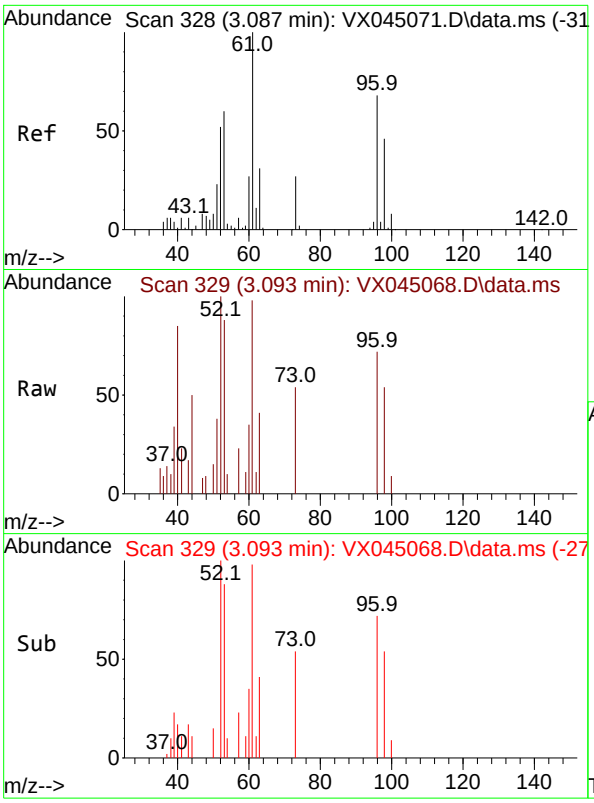


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0



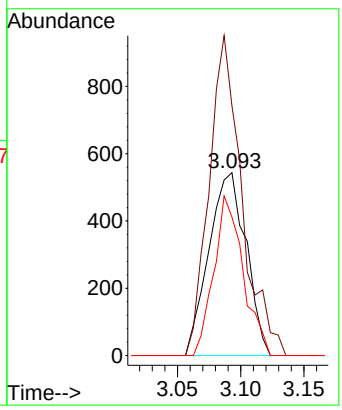


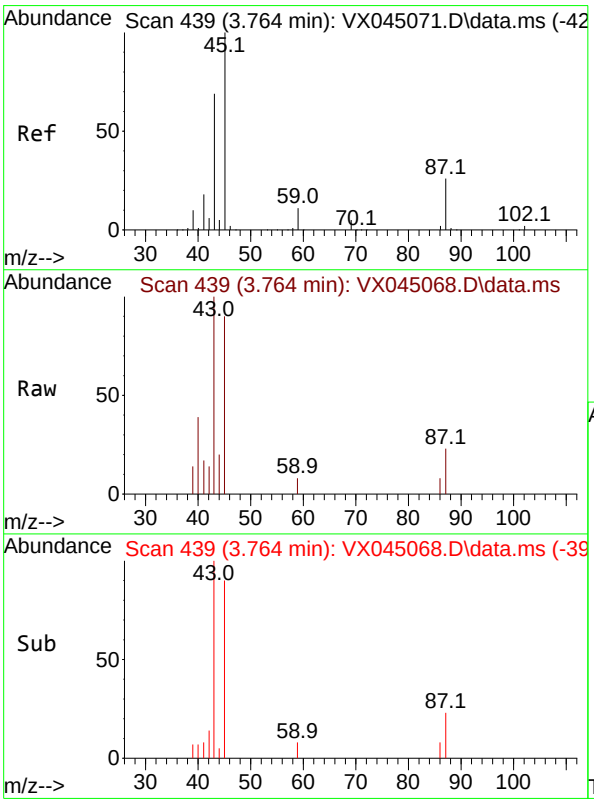
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1109

Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2

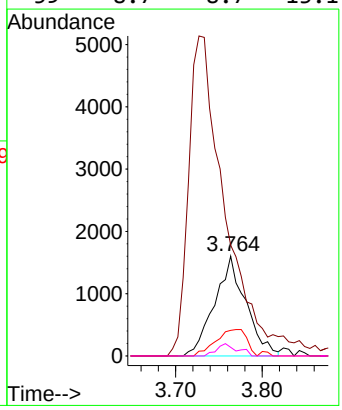


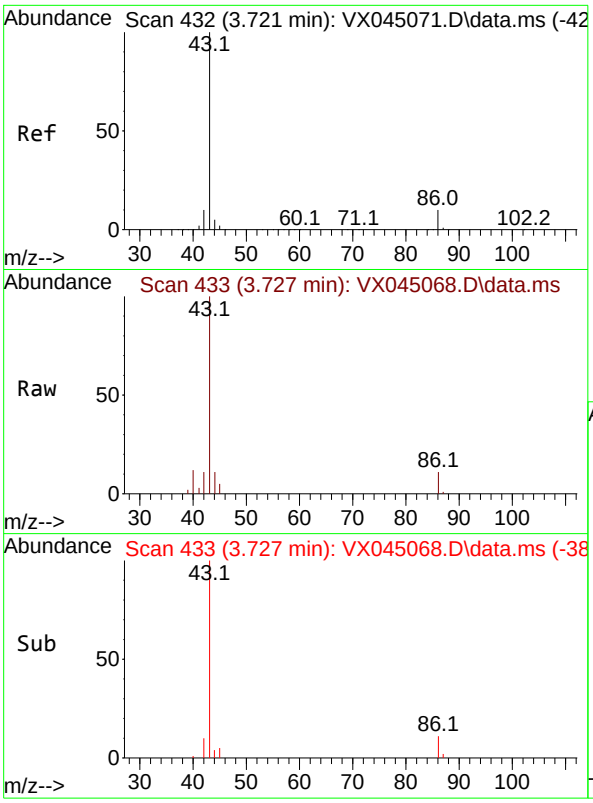


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1



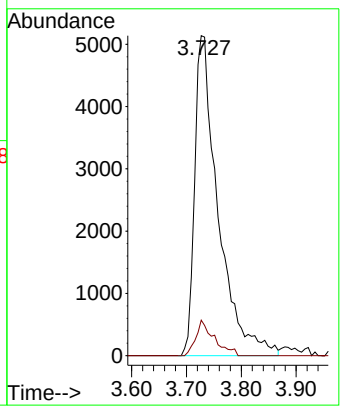


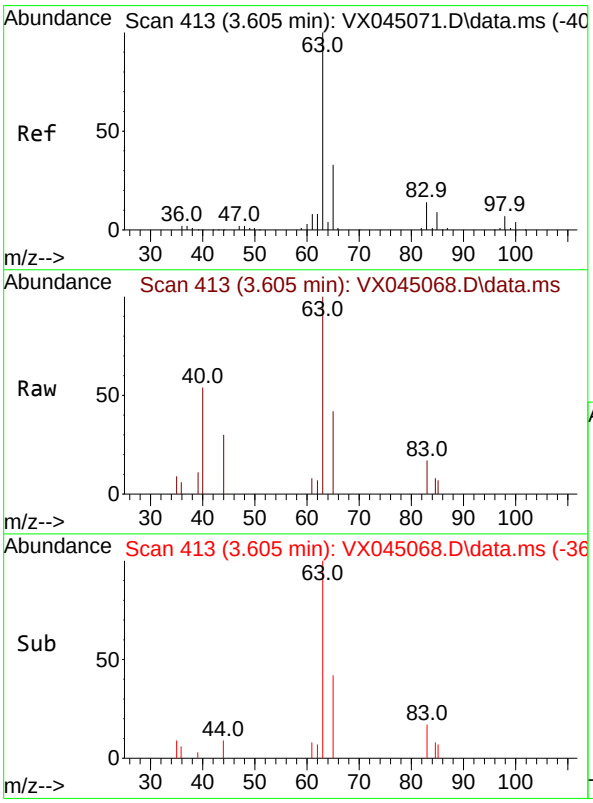
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

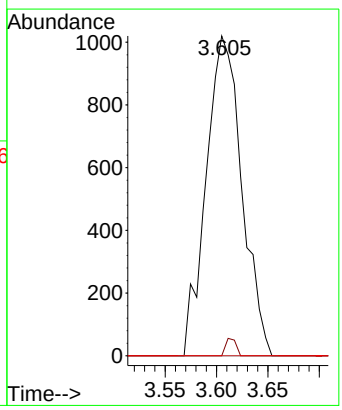


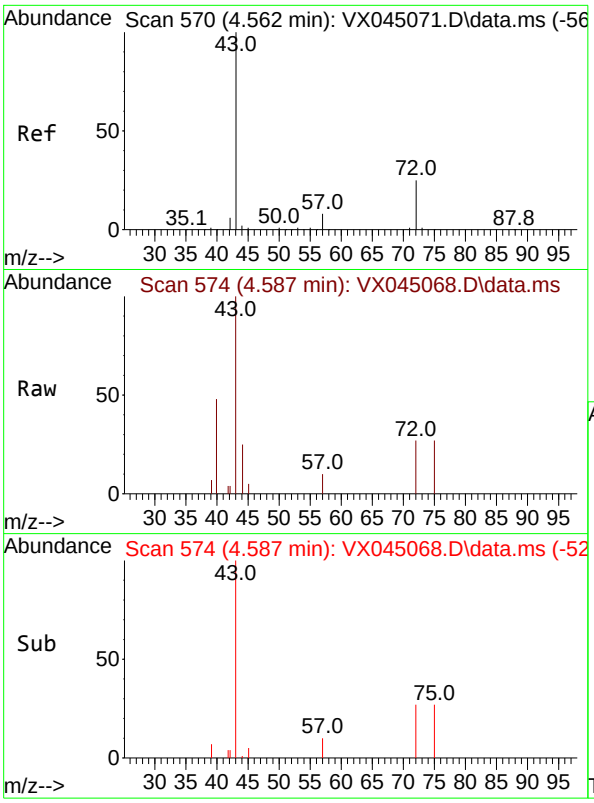


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#



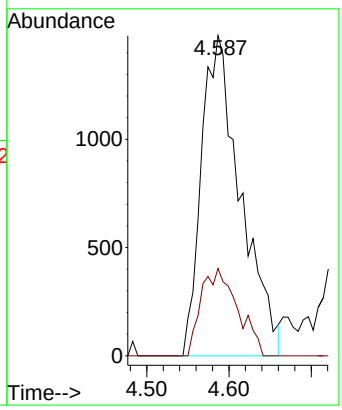


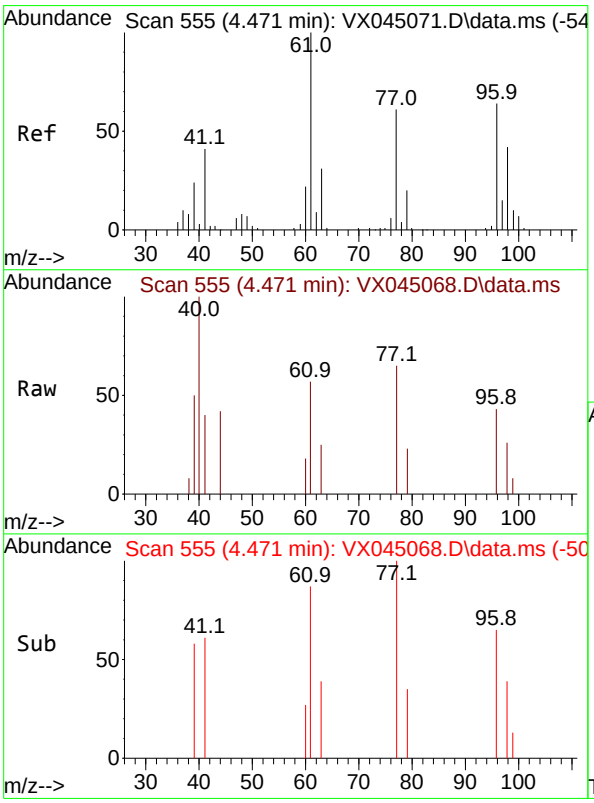
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

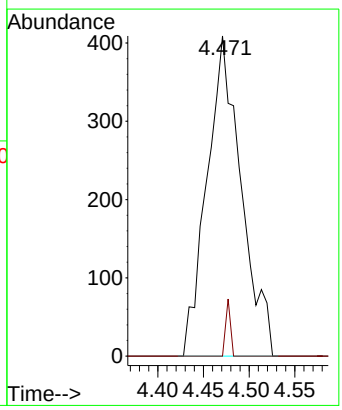


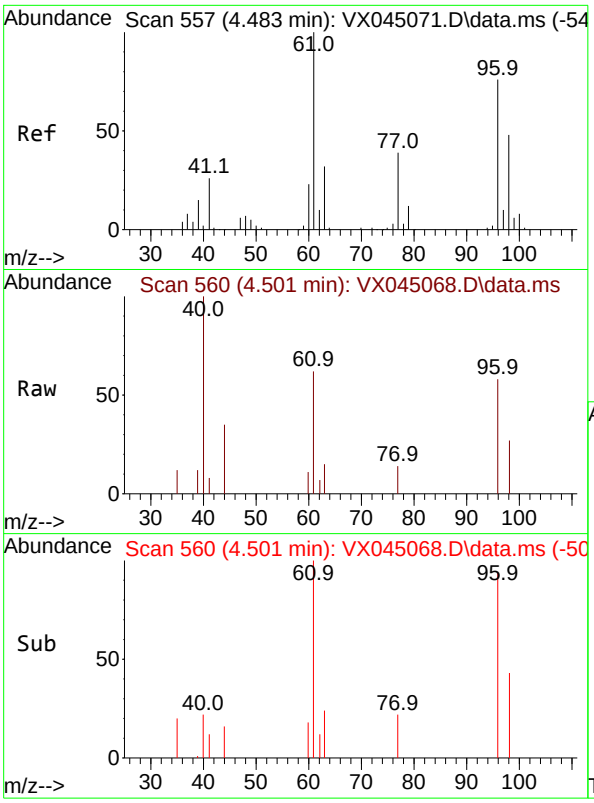


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



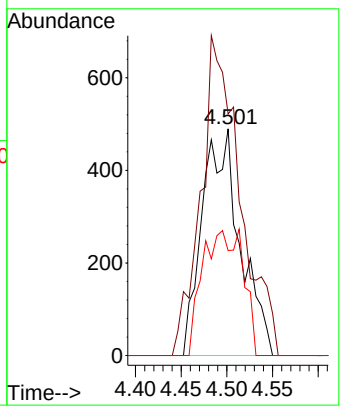


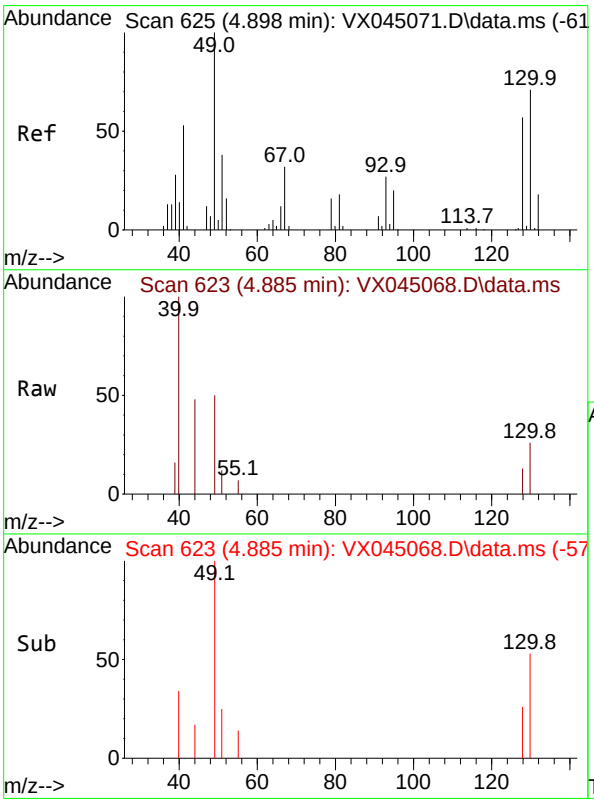
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1412

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0

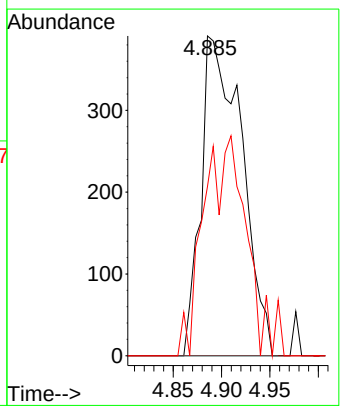


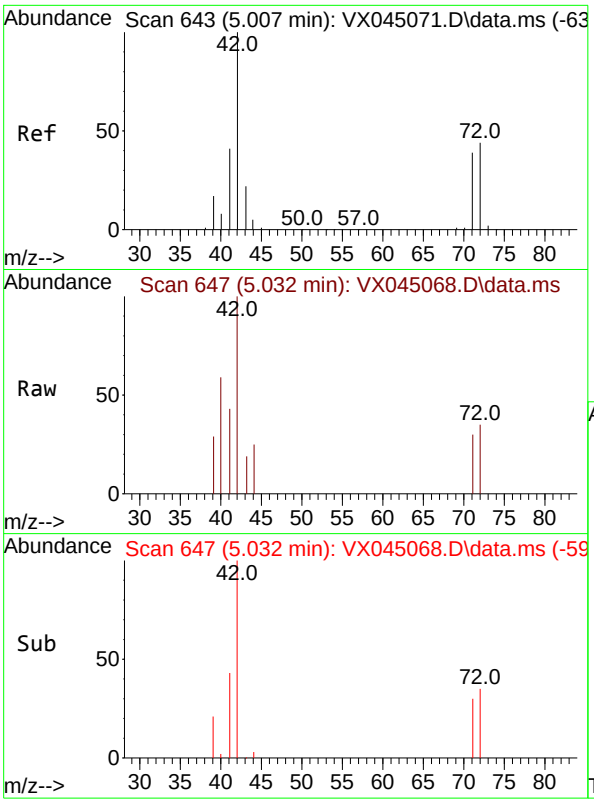


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#



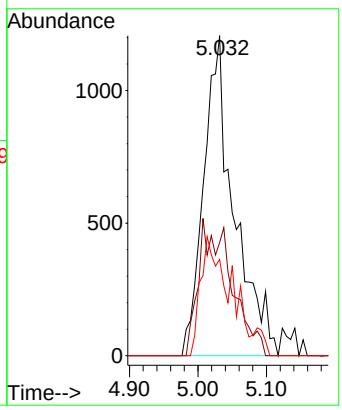


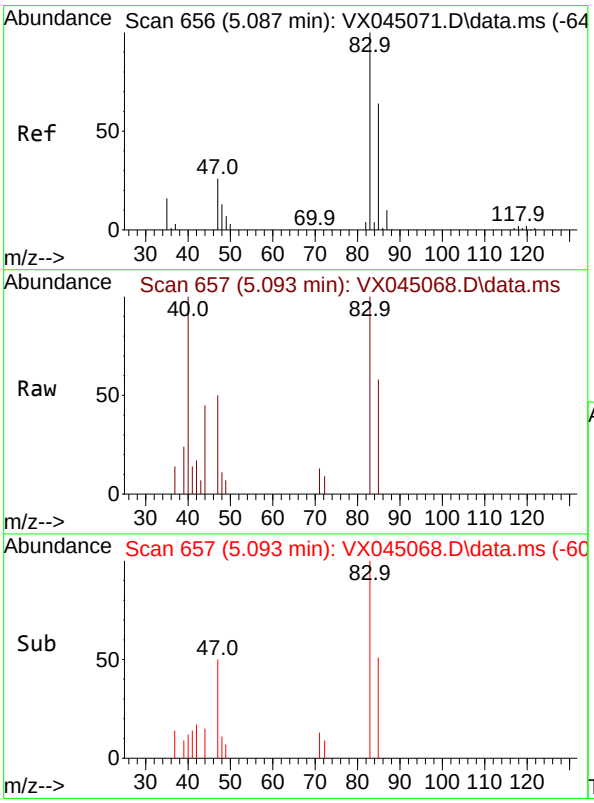
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3719

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

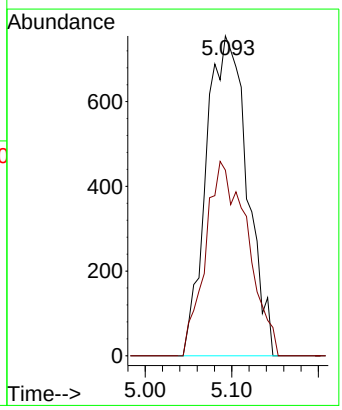


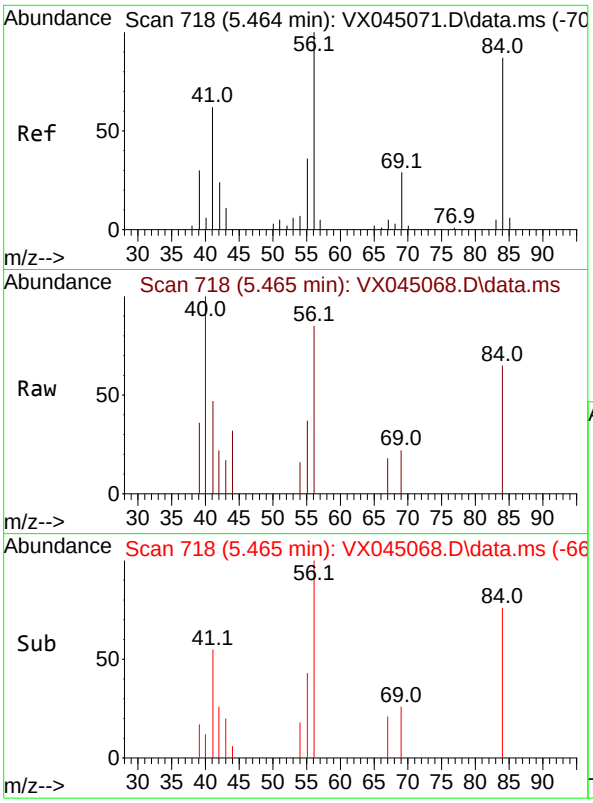


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



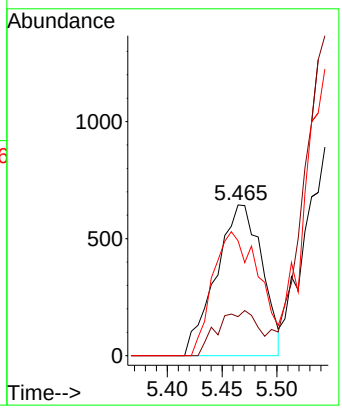


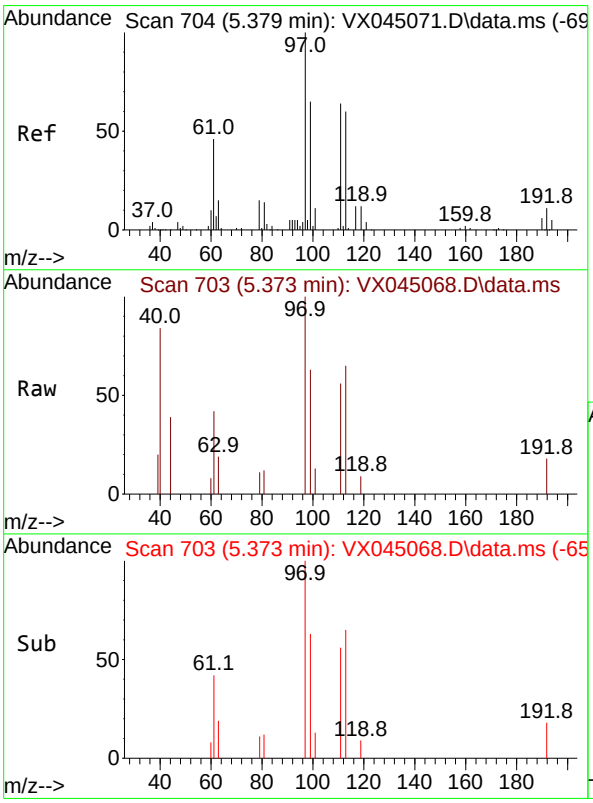
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1875

Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.2
84	76.2	69.4	104.2

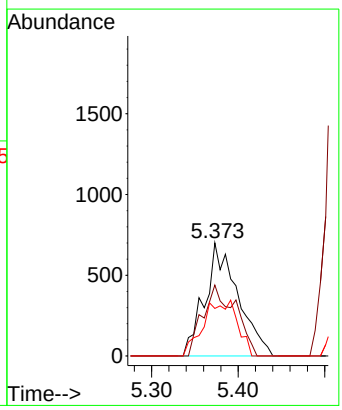


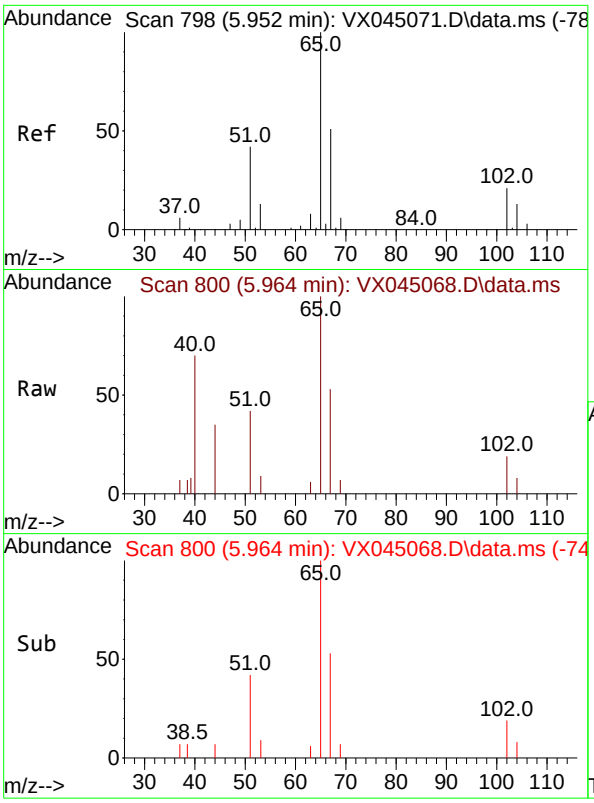


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1867

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6



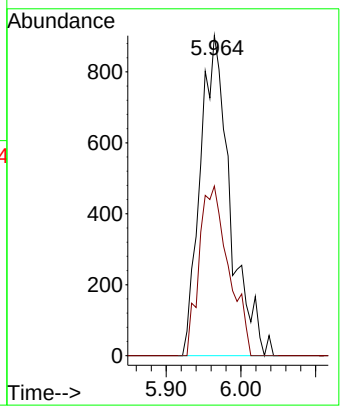


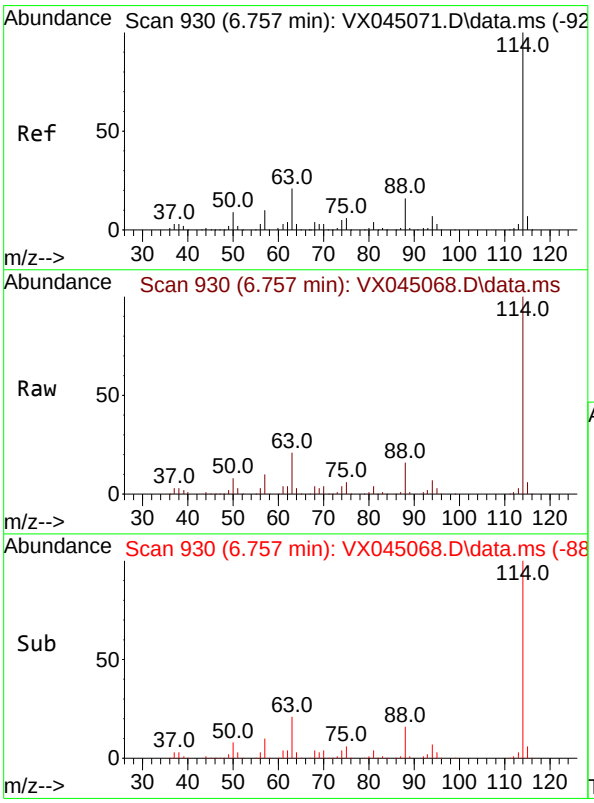
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

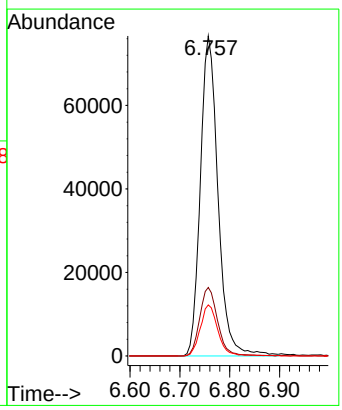


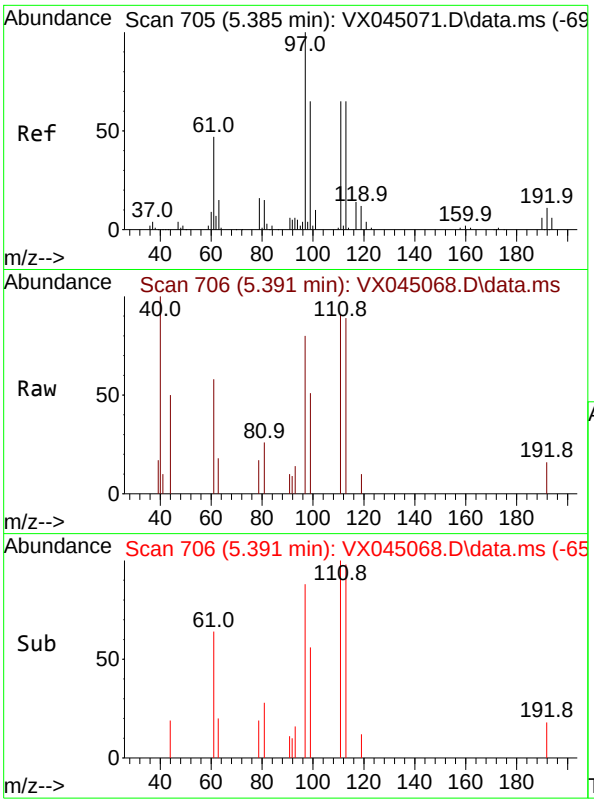


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 188642

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



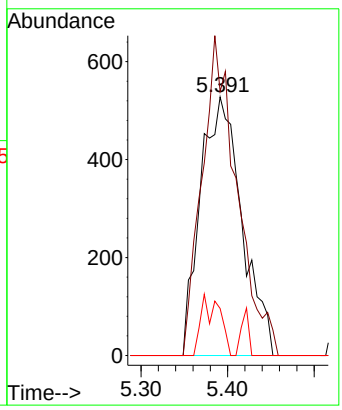


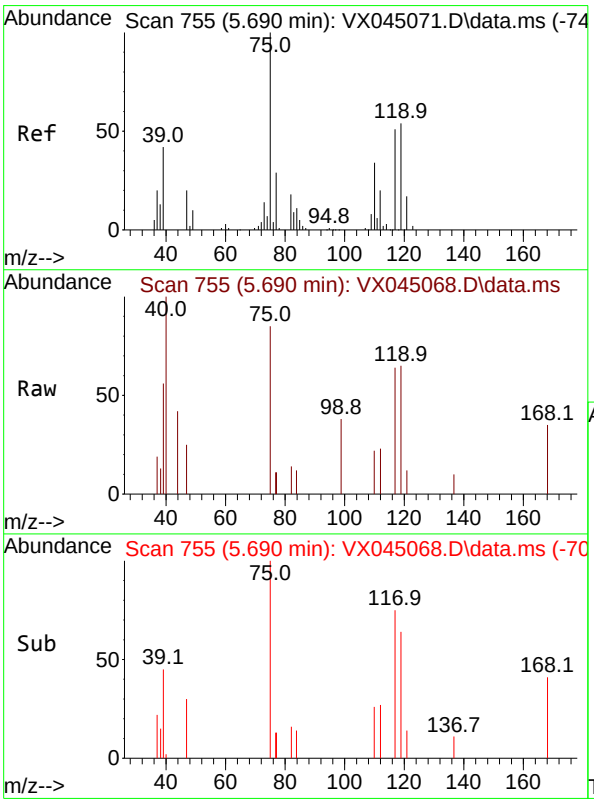
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1752

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.6
192	5.1	14.3	21.5#

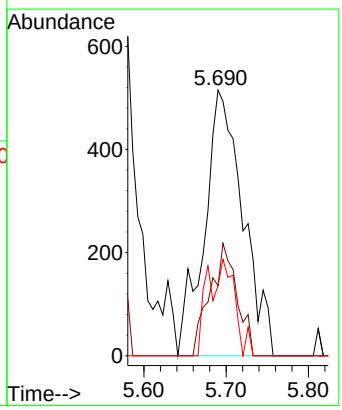


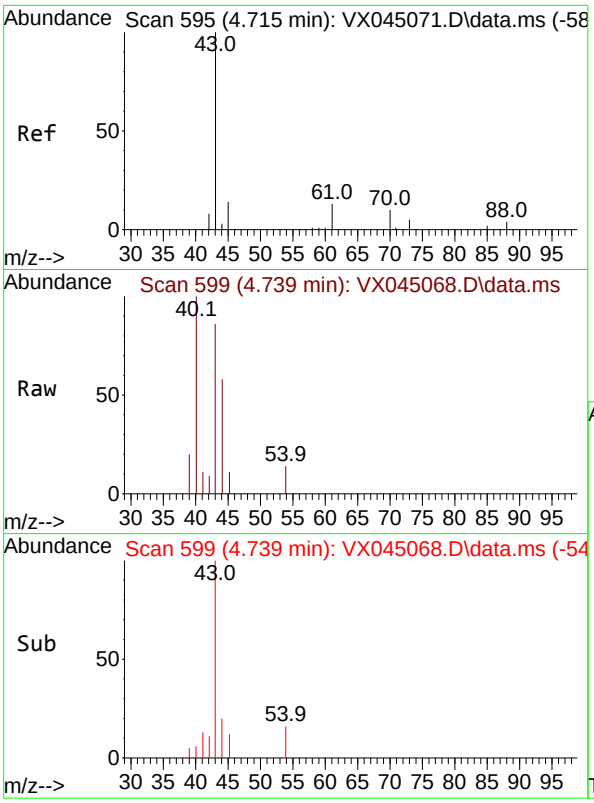


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1681

Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



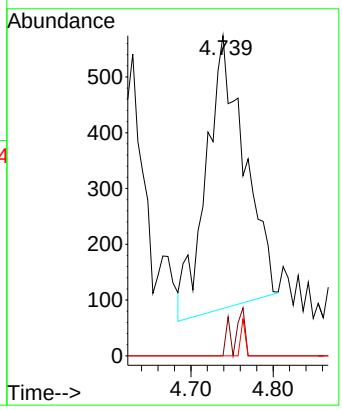


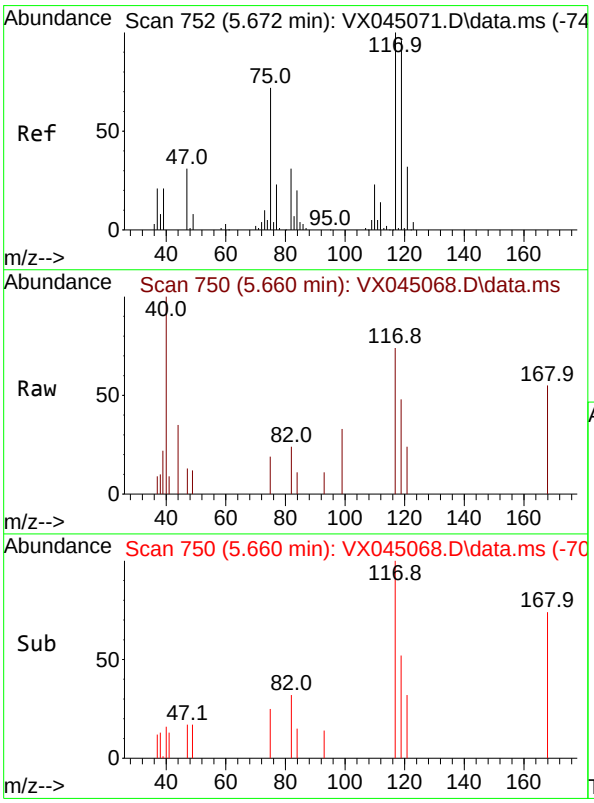
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1582

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

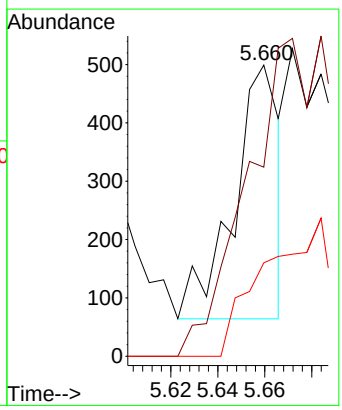


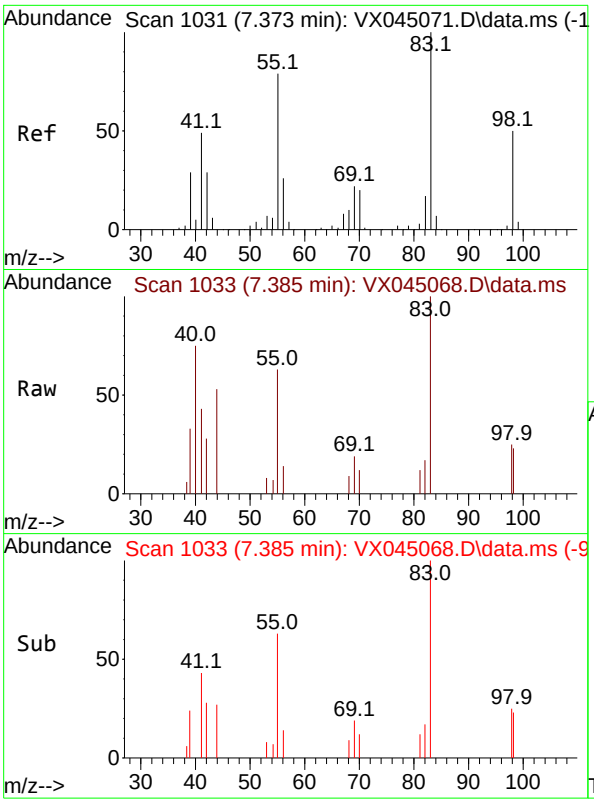


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 588

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.7	115.1#
121	36.8	25.5	38.3



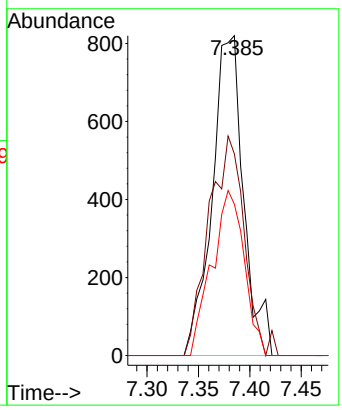


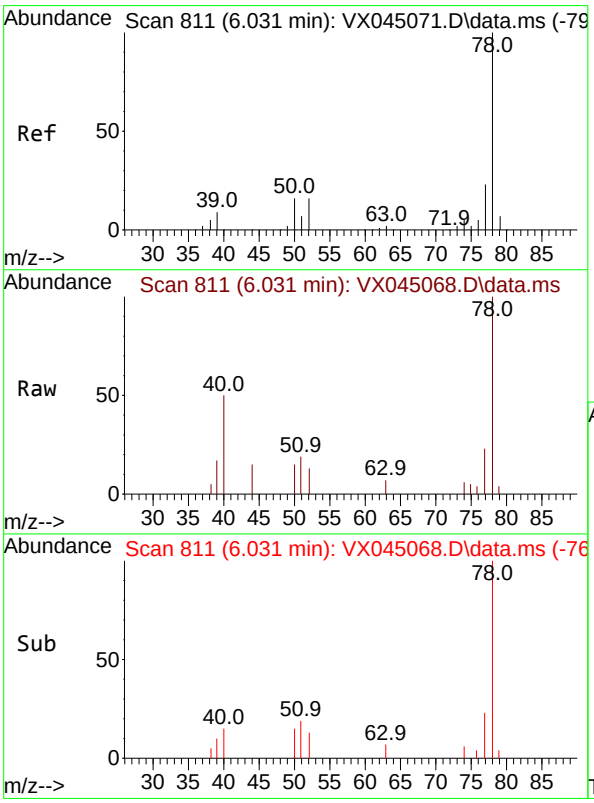
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

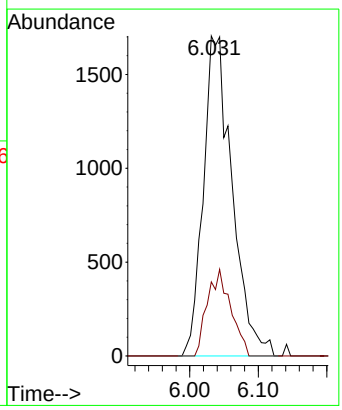


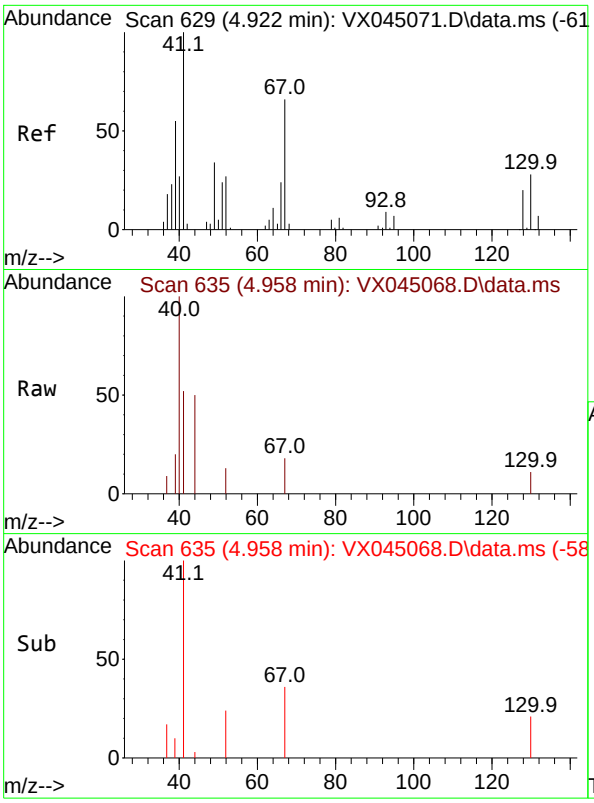


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



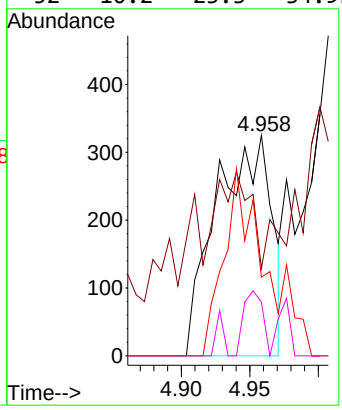


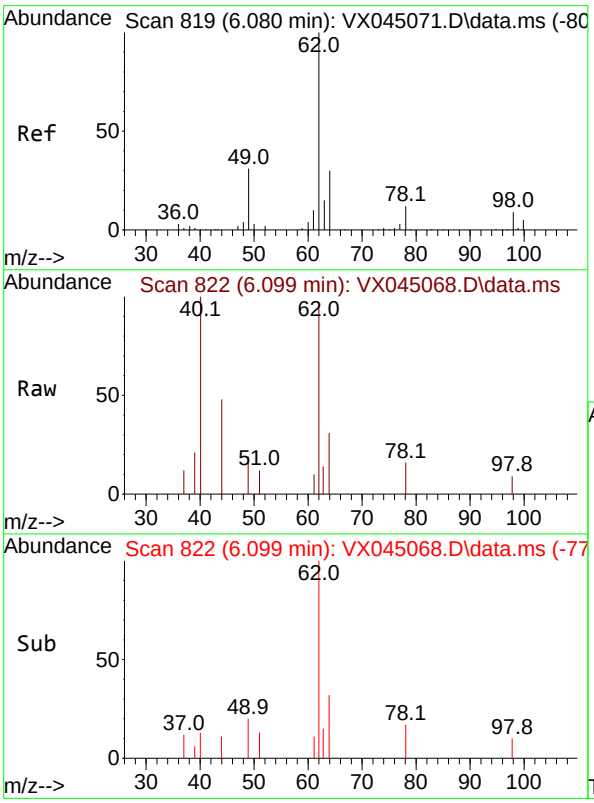
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 912

Ion	Ratio	Lower	Upper
41	100		
39	34.3	44.6	67.0#
67	63.4	53.9	80.9
52	10.2	23.3	34.9#

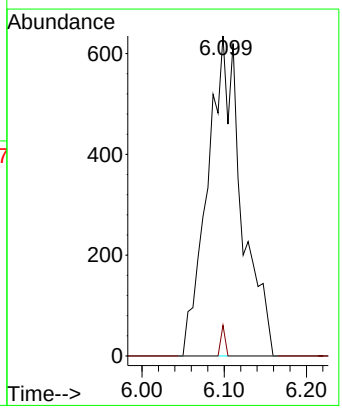


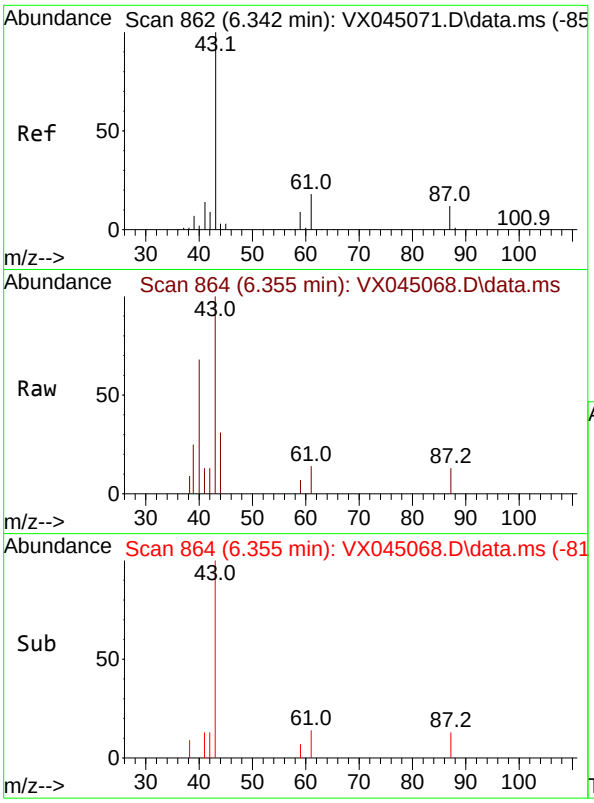


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



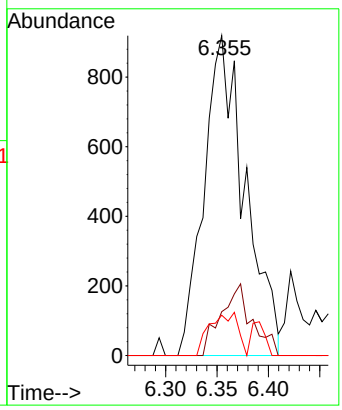


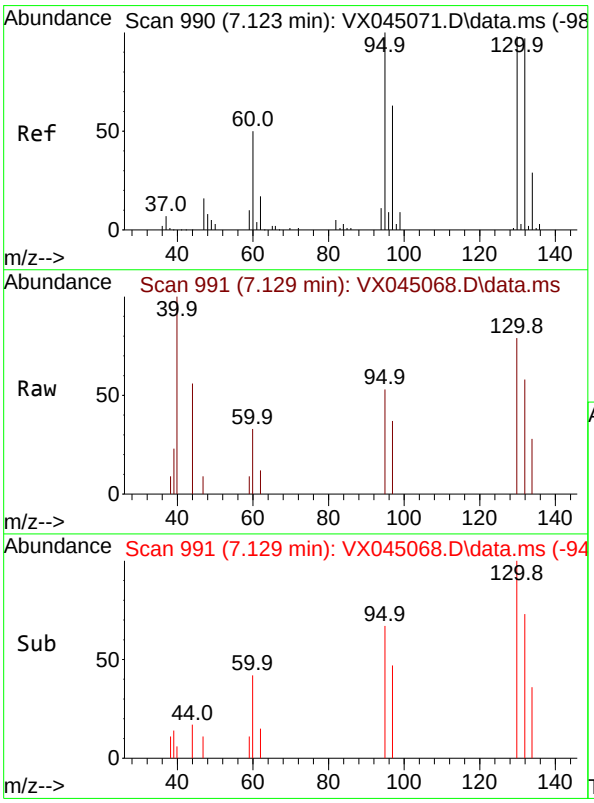
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

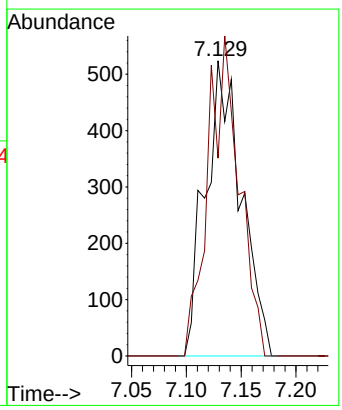


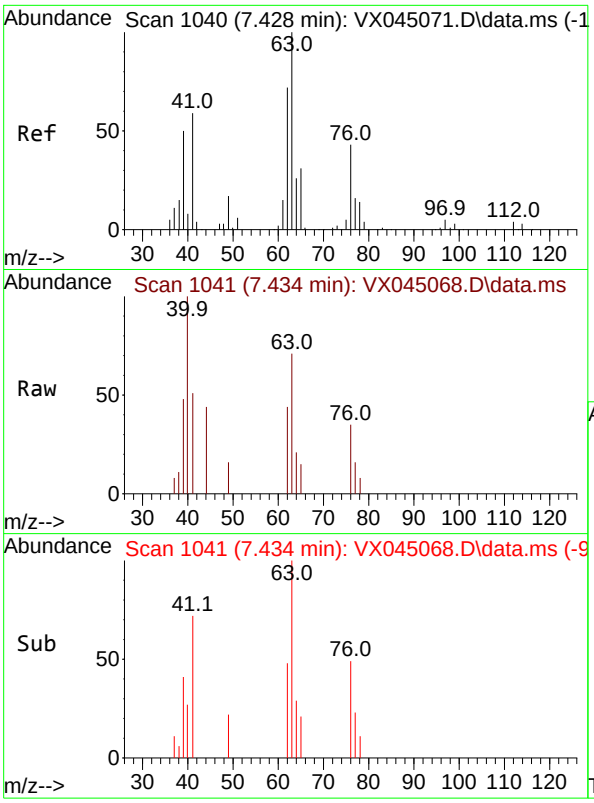


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



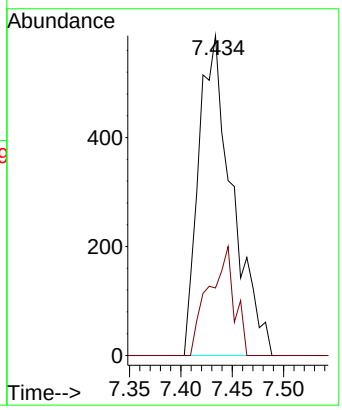


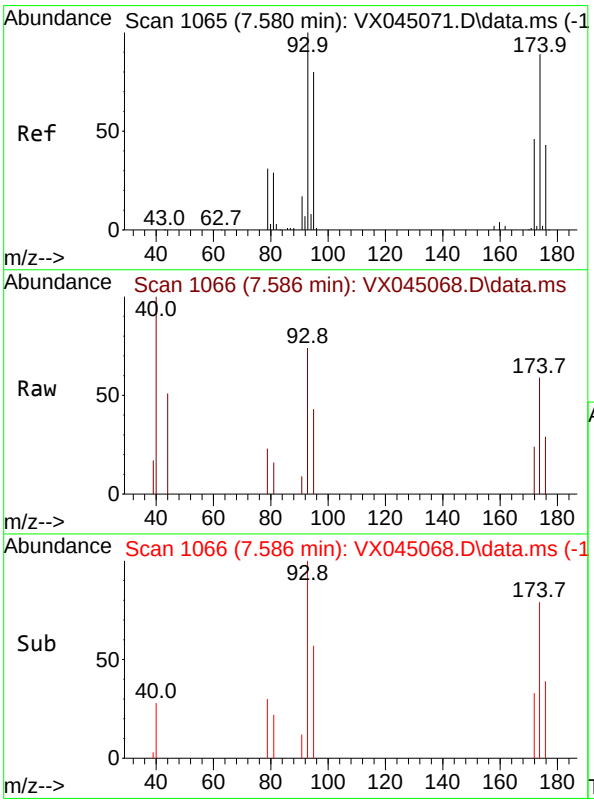
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

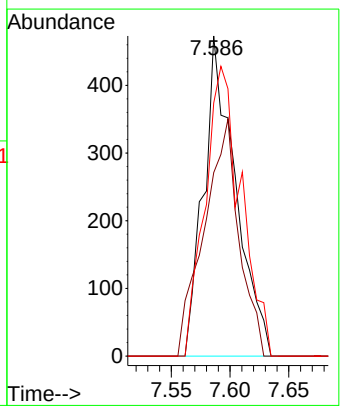


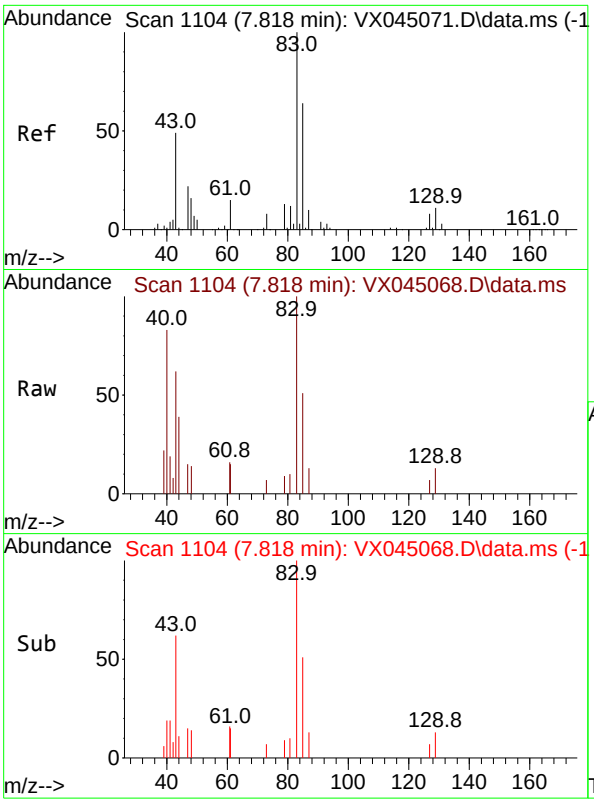


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 891

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



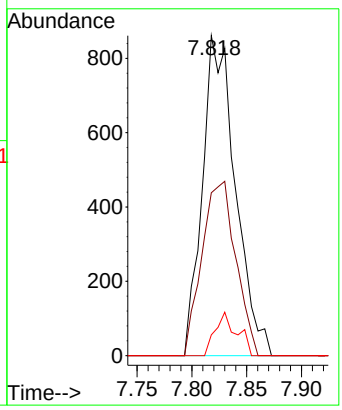


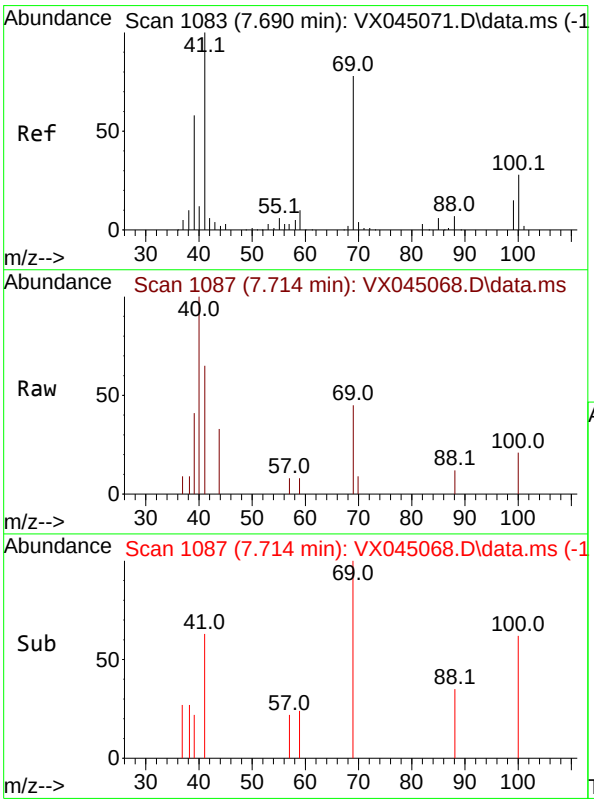
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

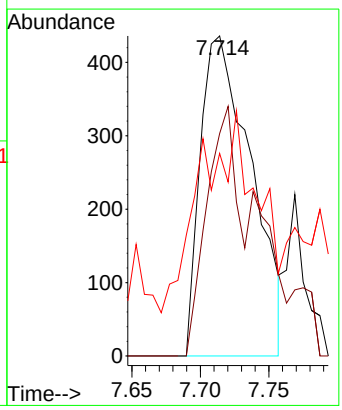


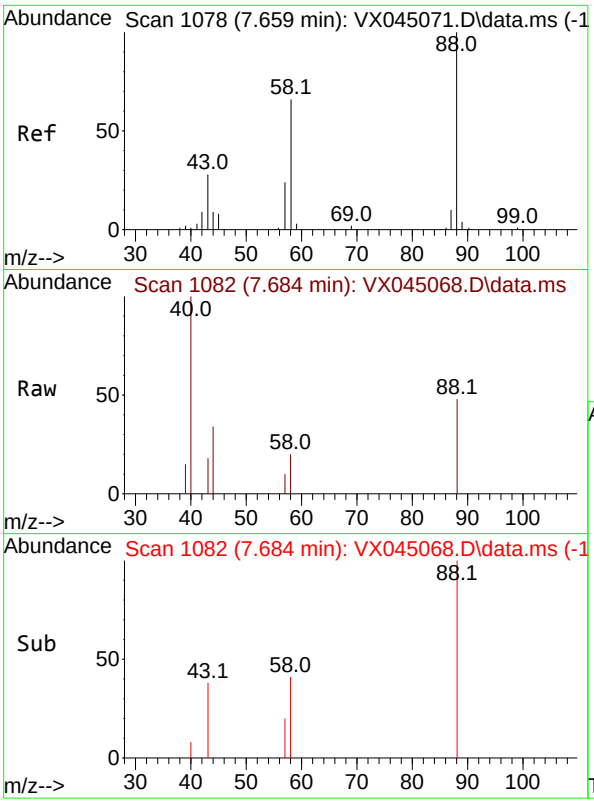


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1125

Ion	Ratio	Lower	Upper
41	100		
69	48.9	63.0	94.6#
39	24.4	47.5	71.3#



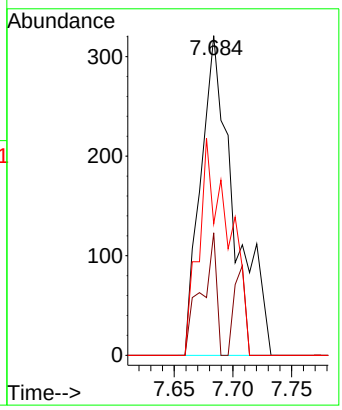


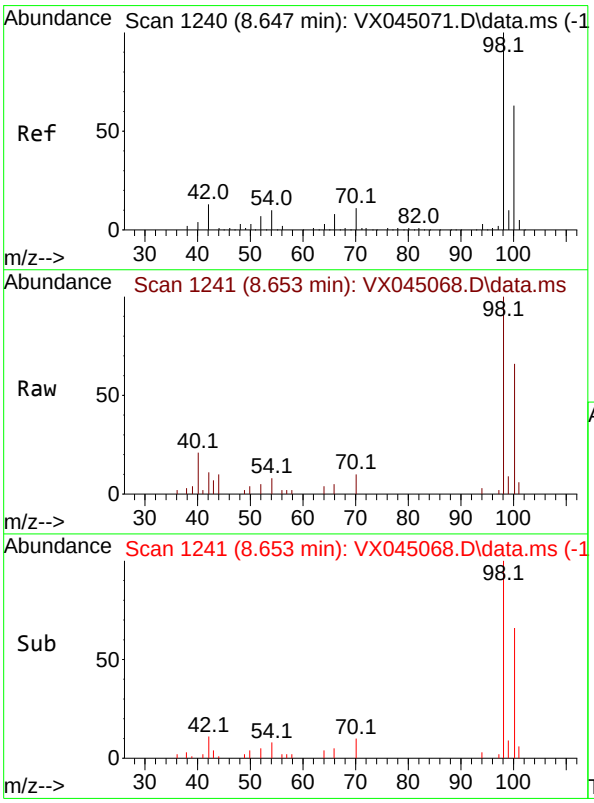
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8

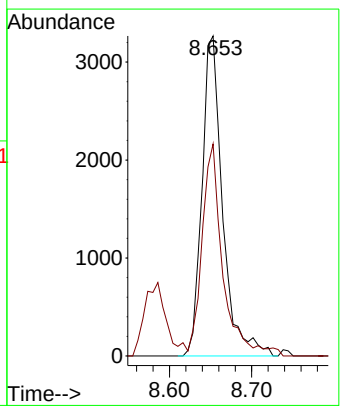


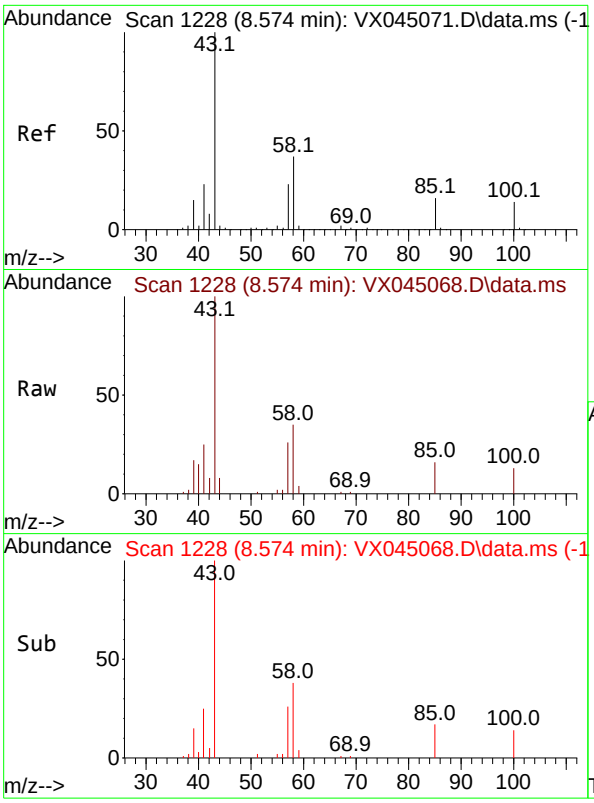


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



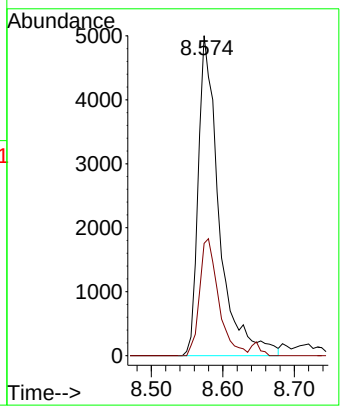


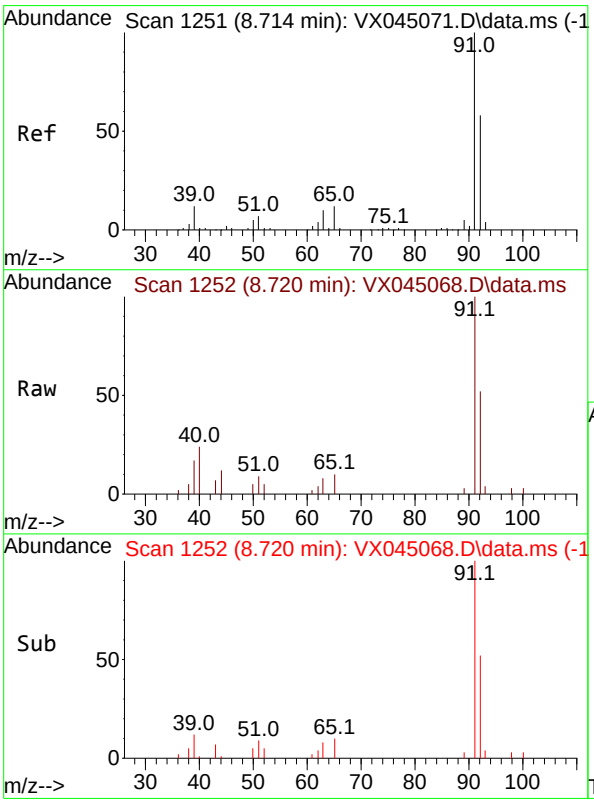
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

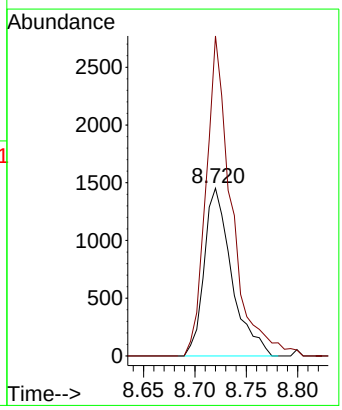


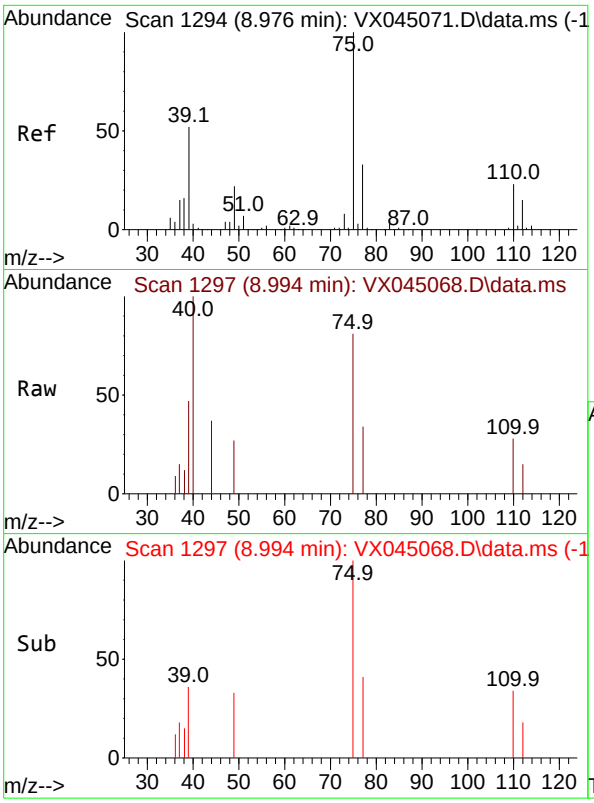


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



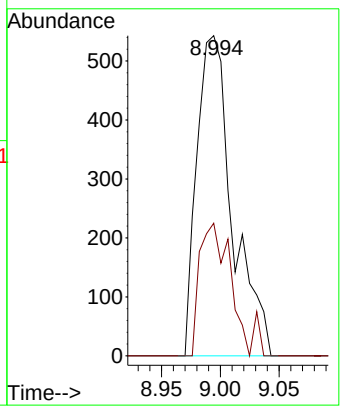


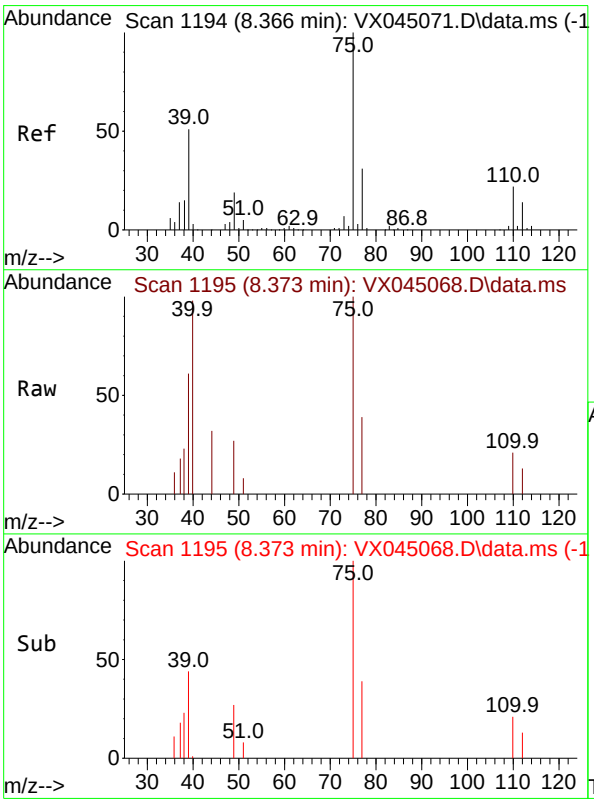
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

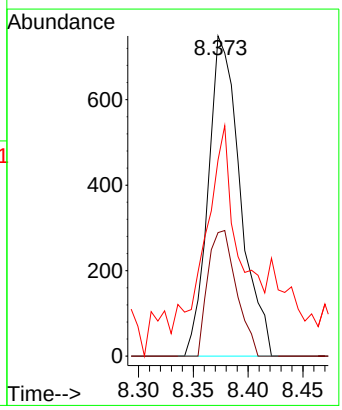


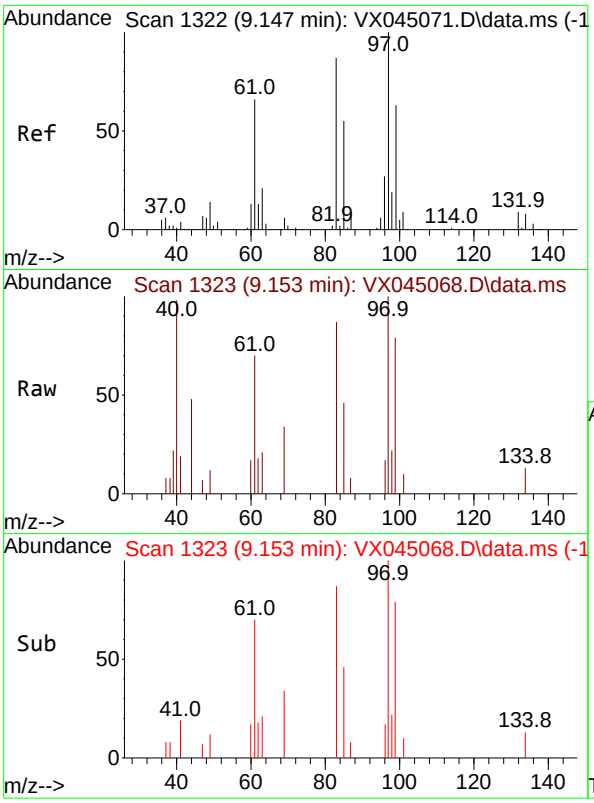


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1525

Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



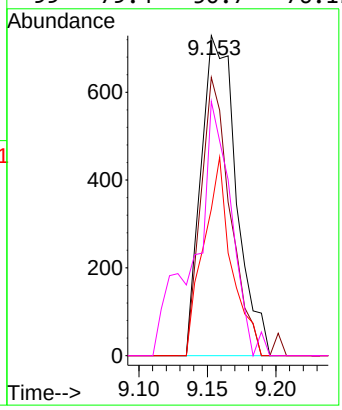


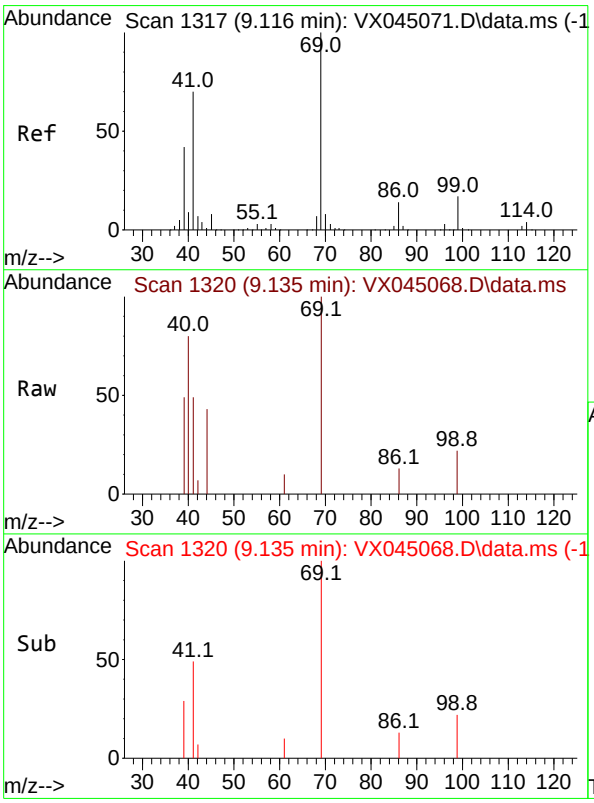
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

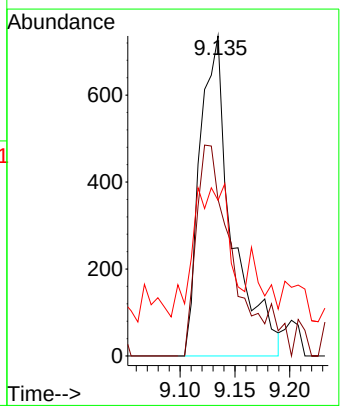


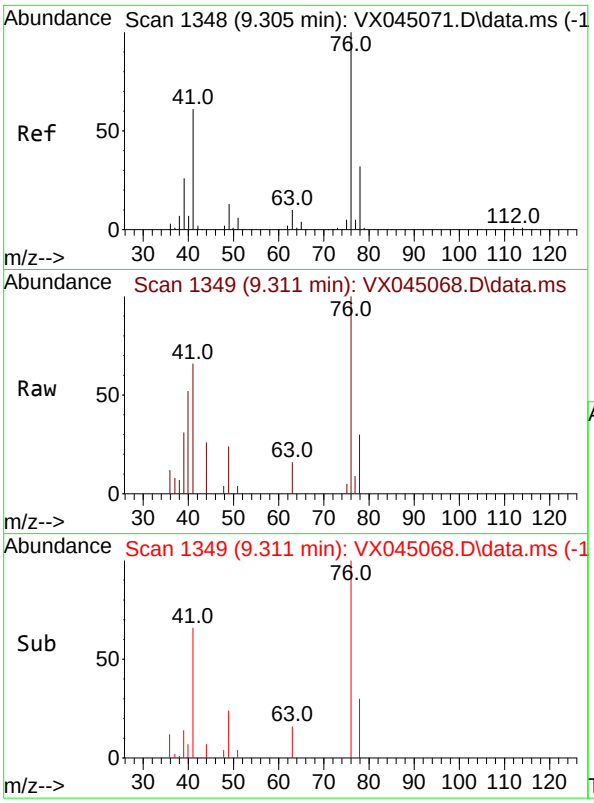


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 1494

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4#



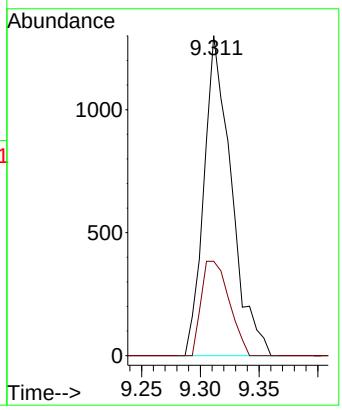


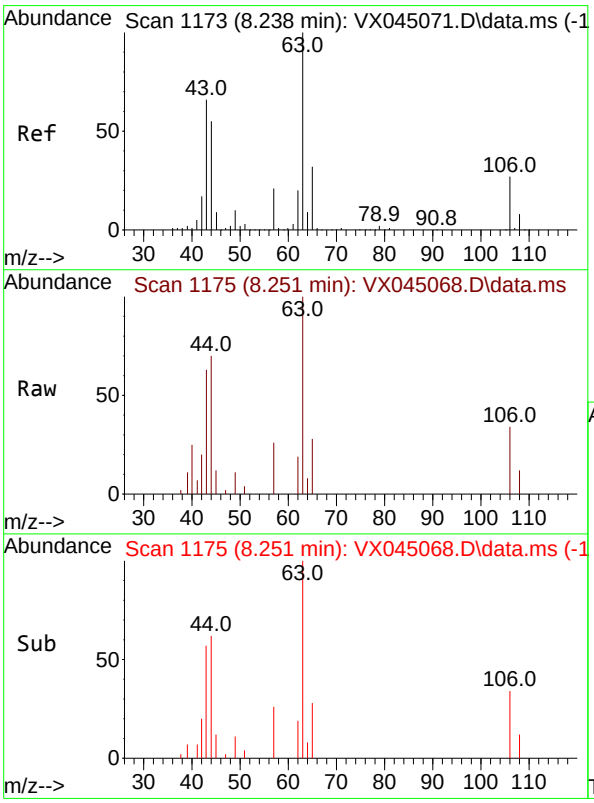
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

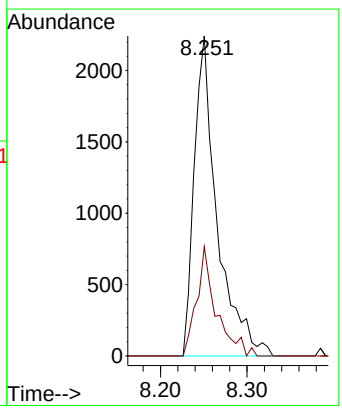


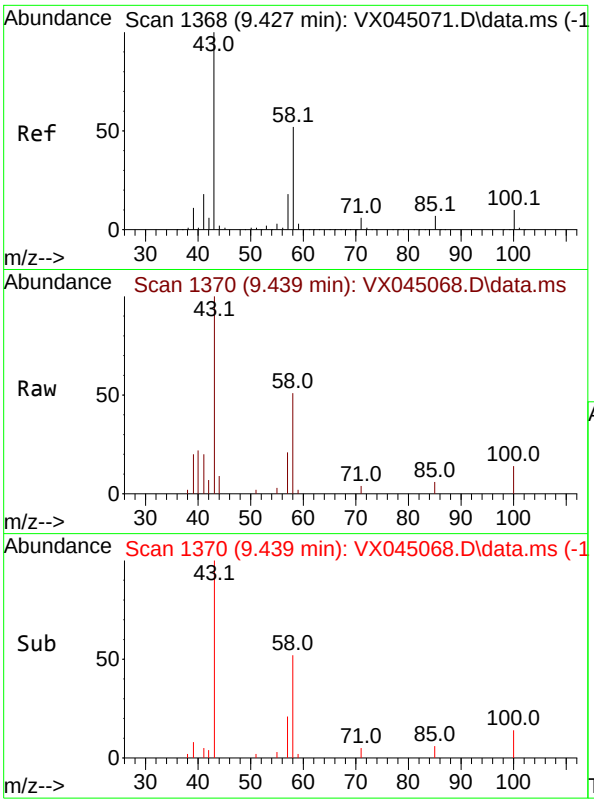


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



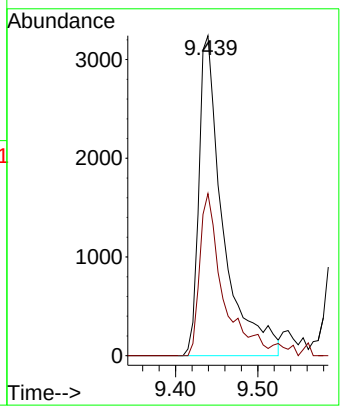


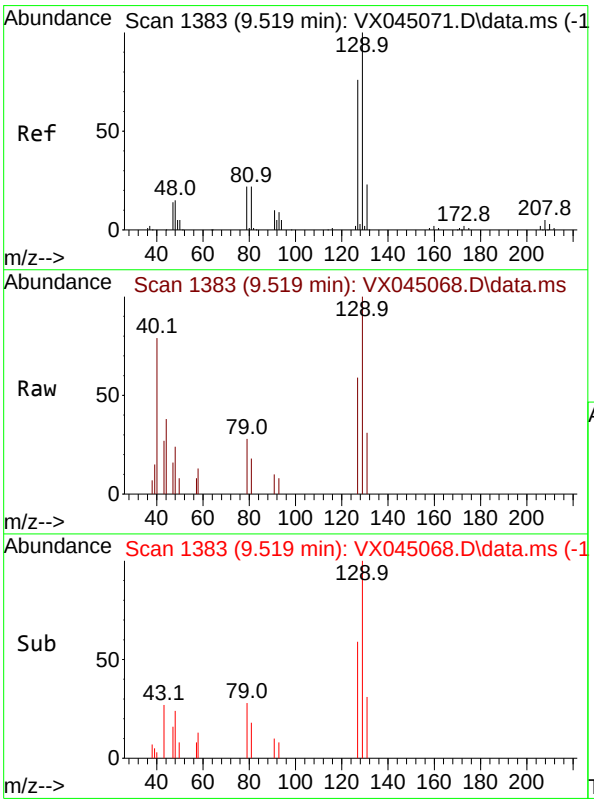
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

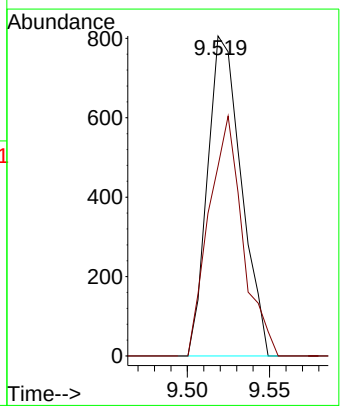


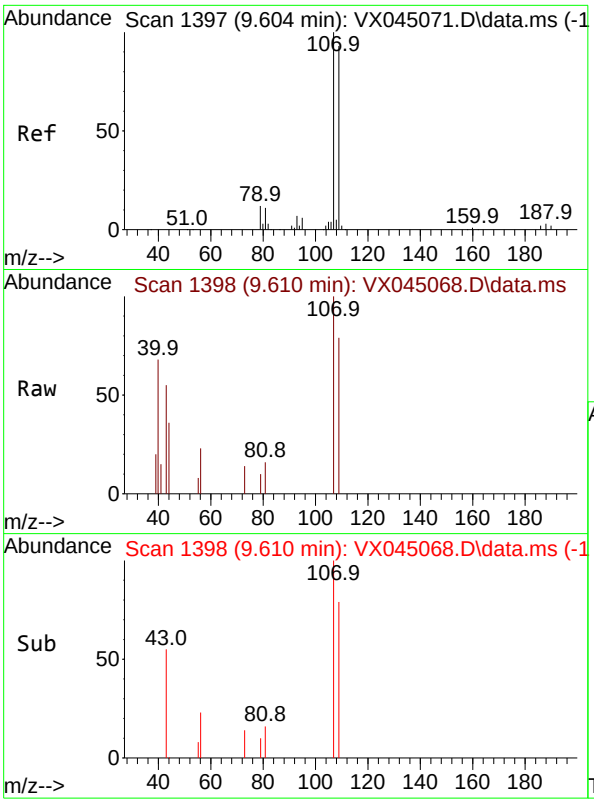


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



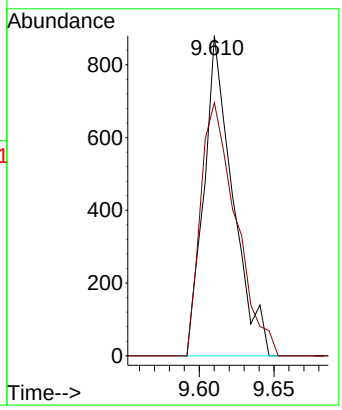


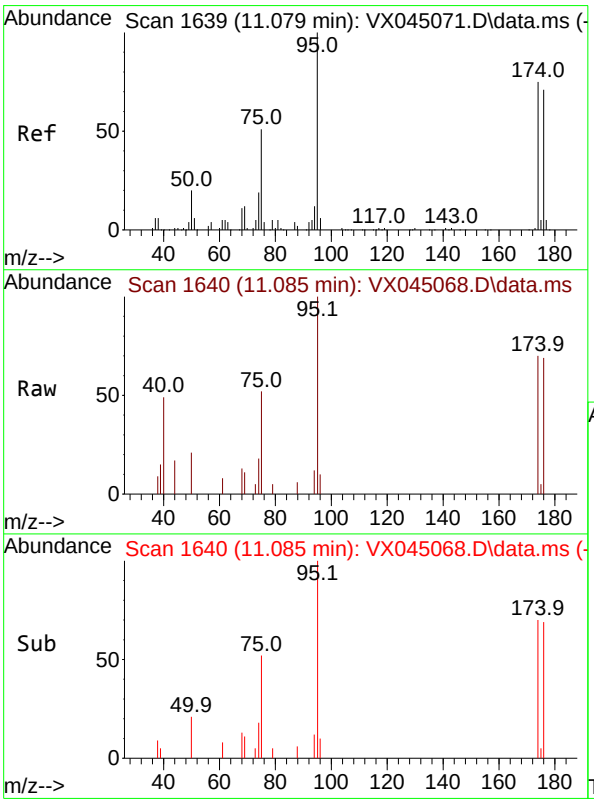
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

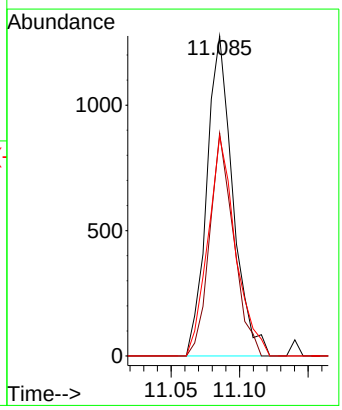


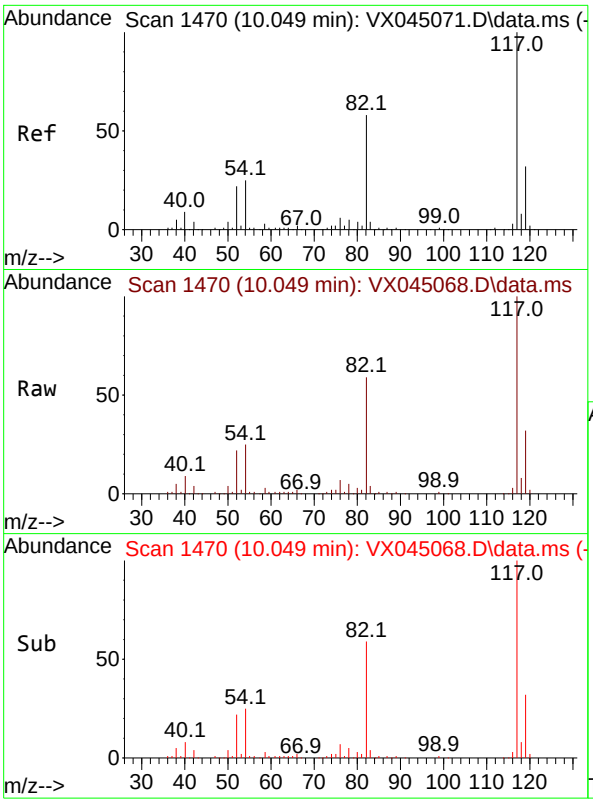


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95 Resp: 1685

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	148.2
176	72.7	0.0	141.4



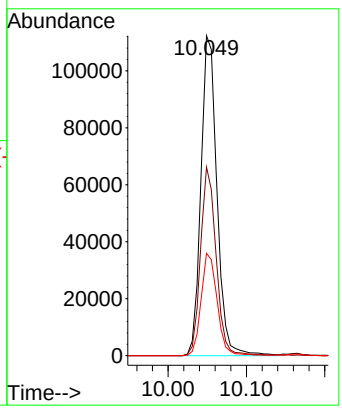


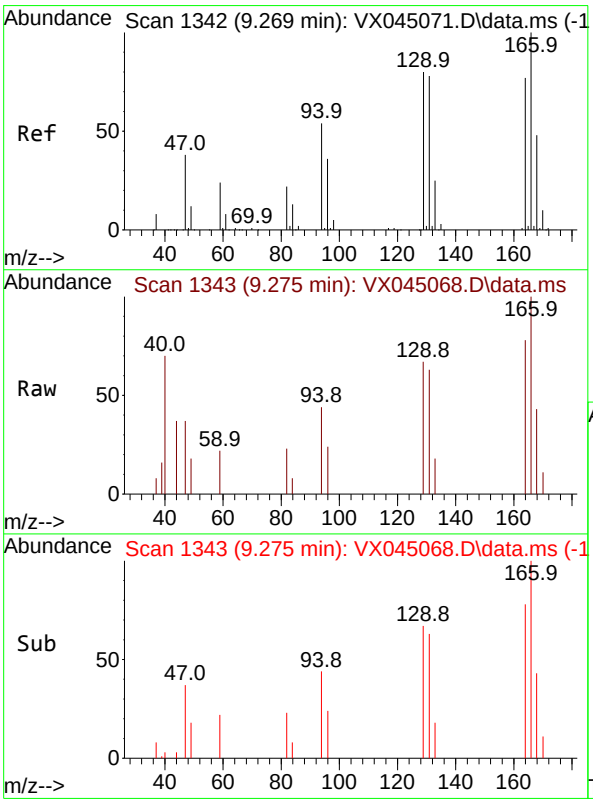
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

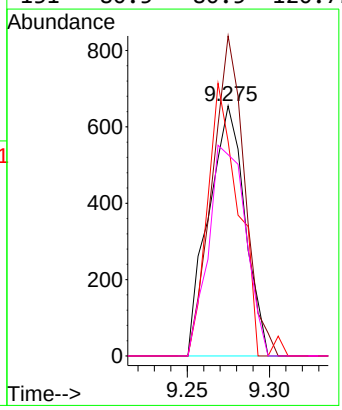


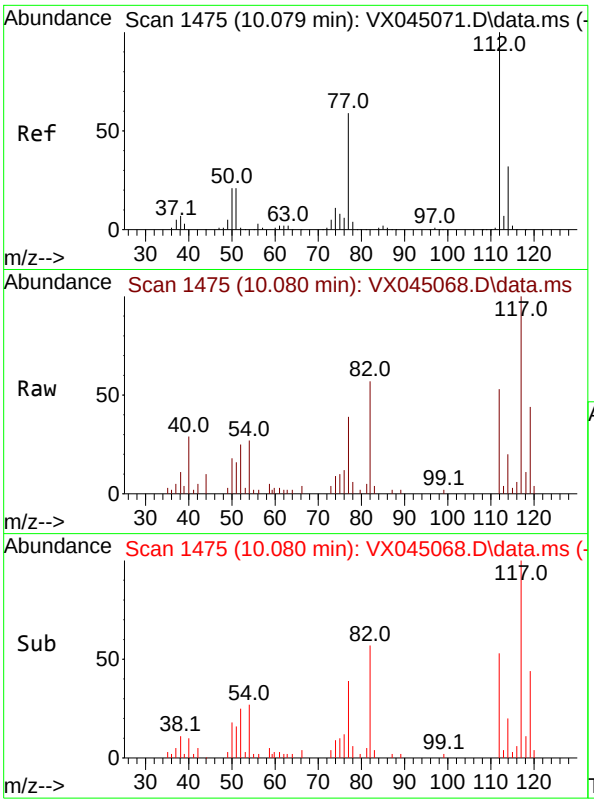


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 1006

Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



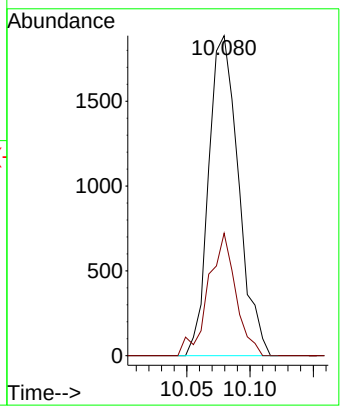


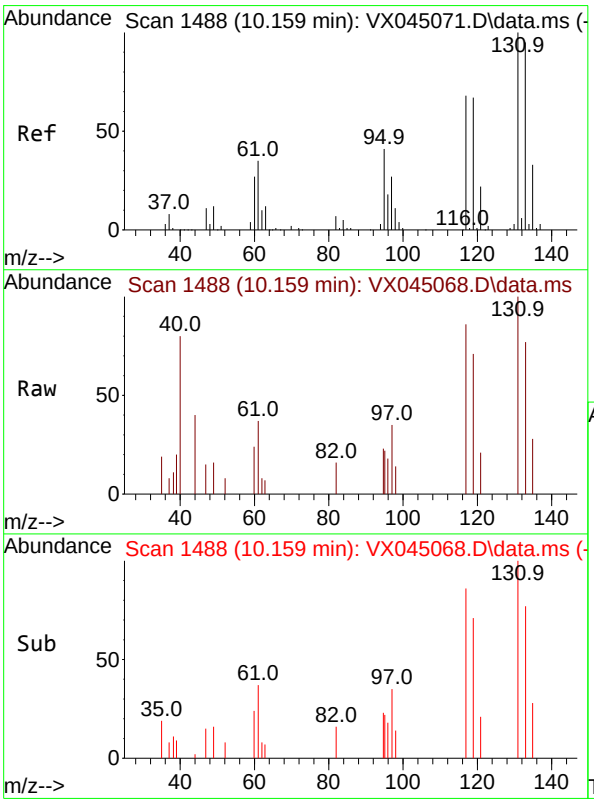
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

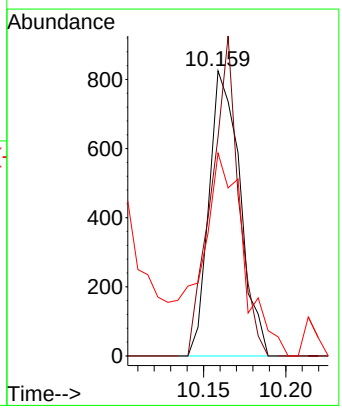


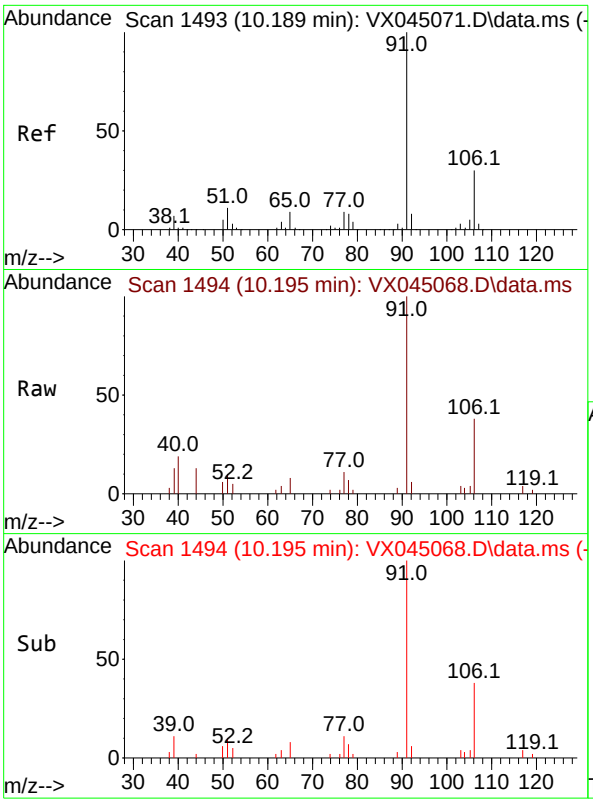


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 1078

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#



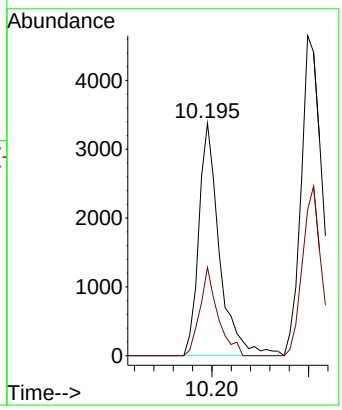


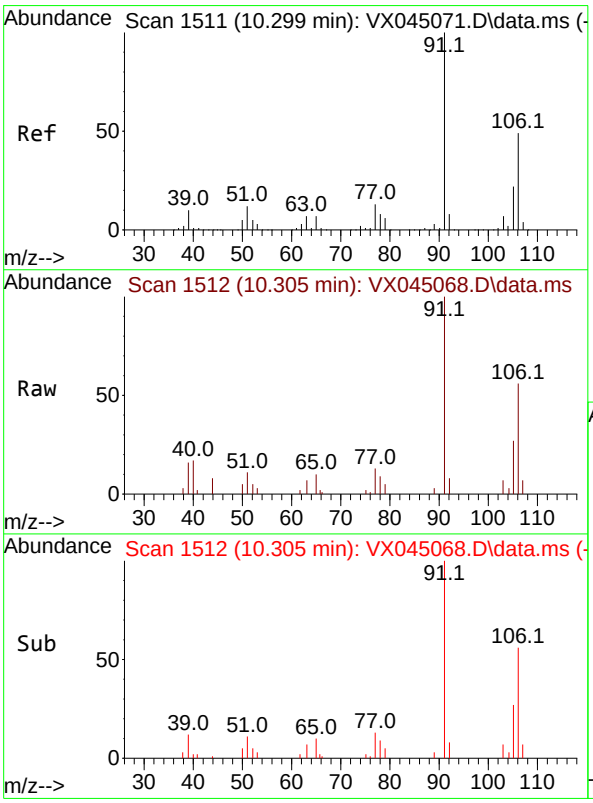
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

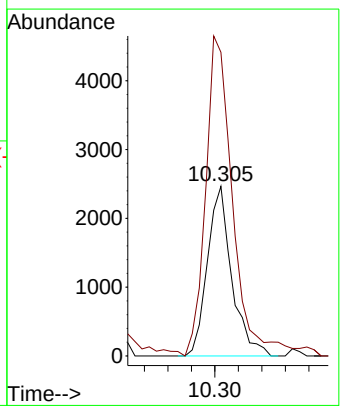


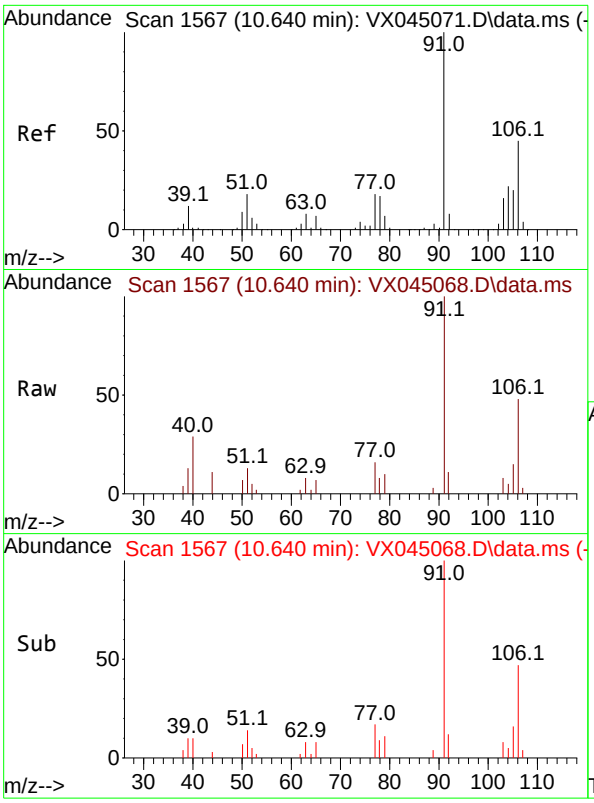


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



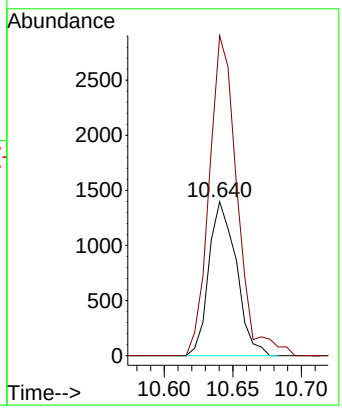


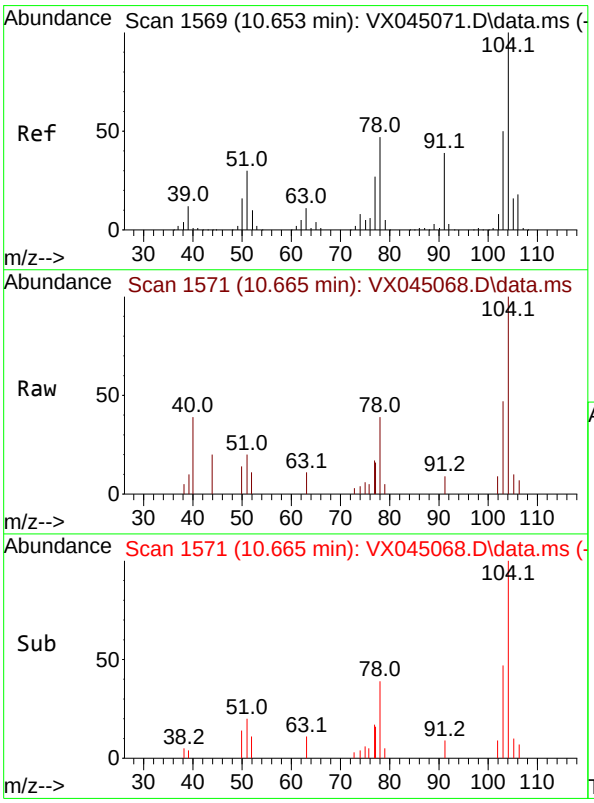
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

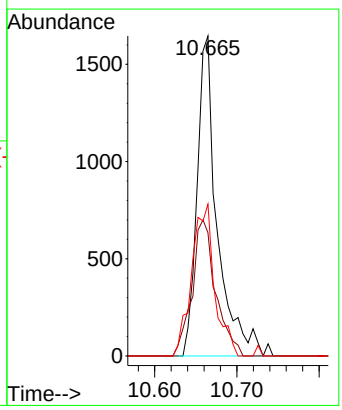


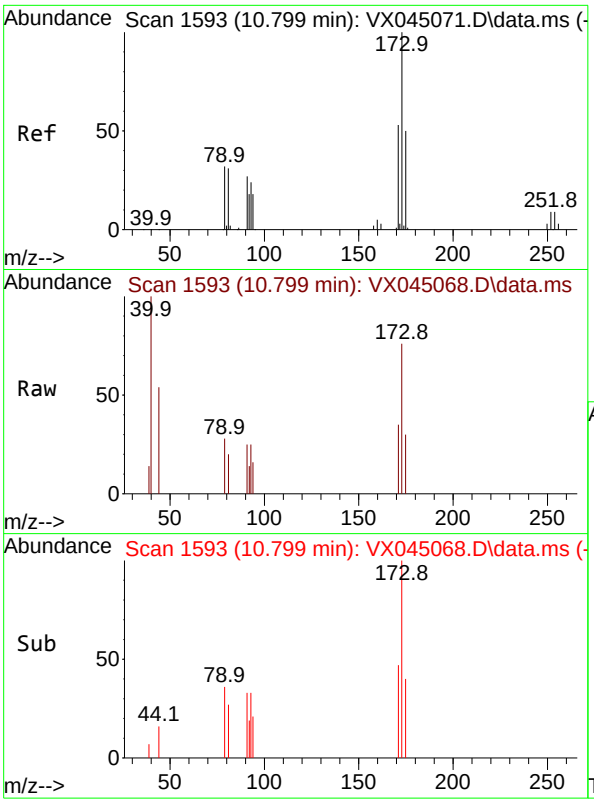


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 2810

Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



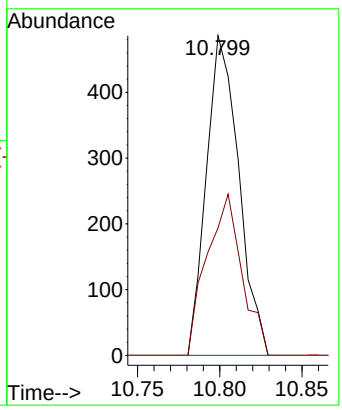


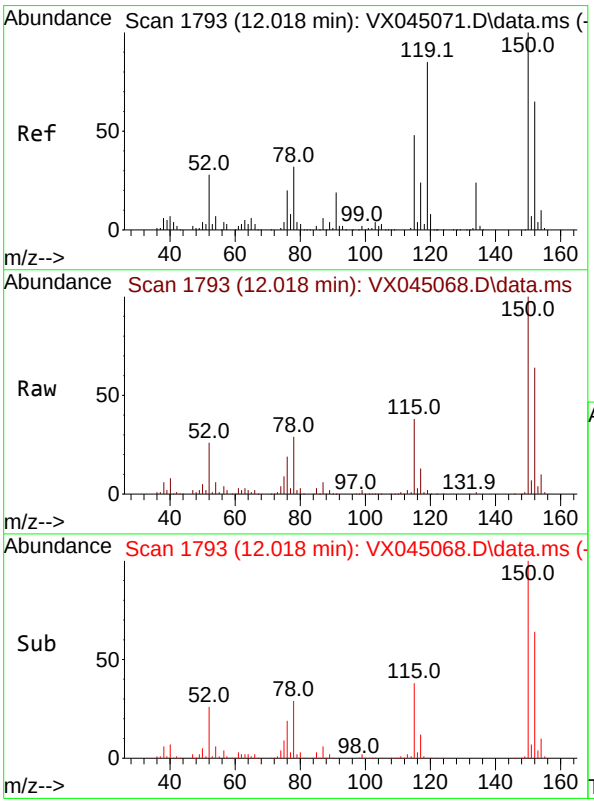
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

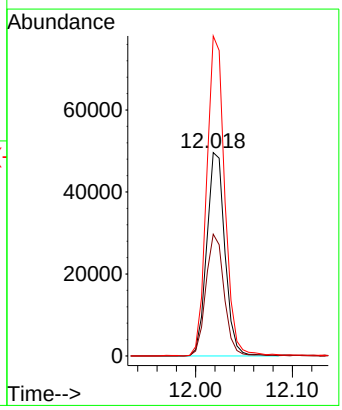


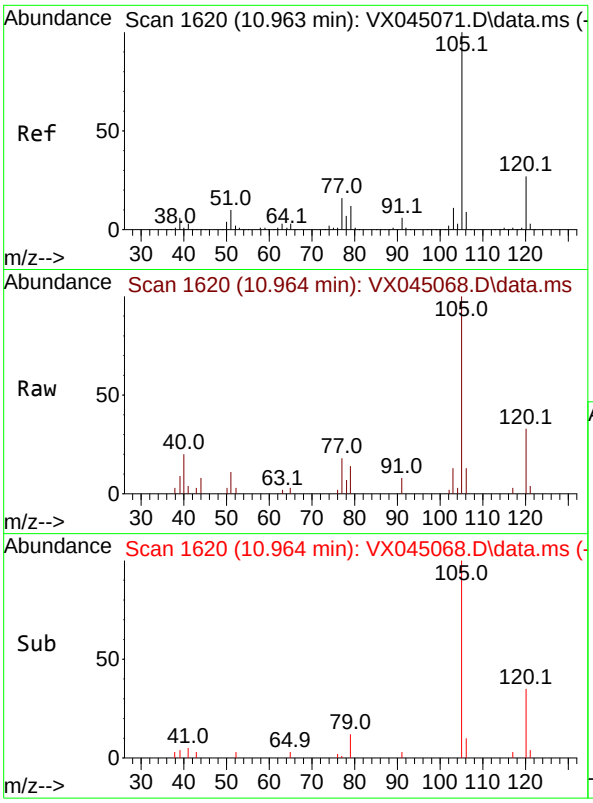


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 64845

Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



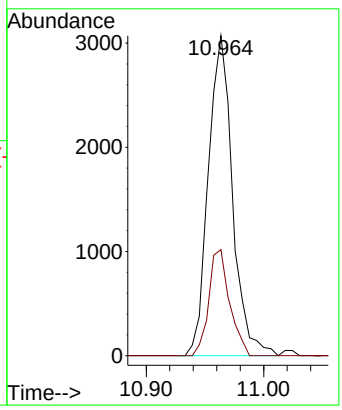


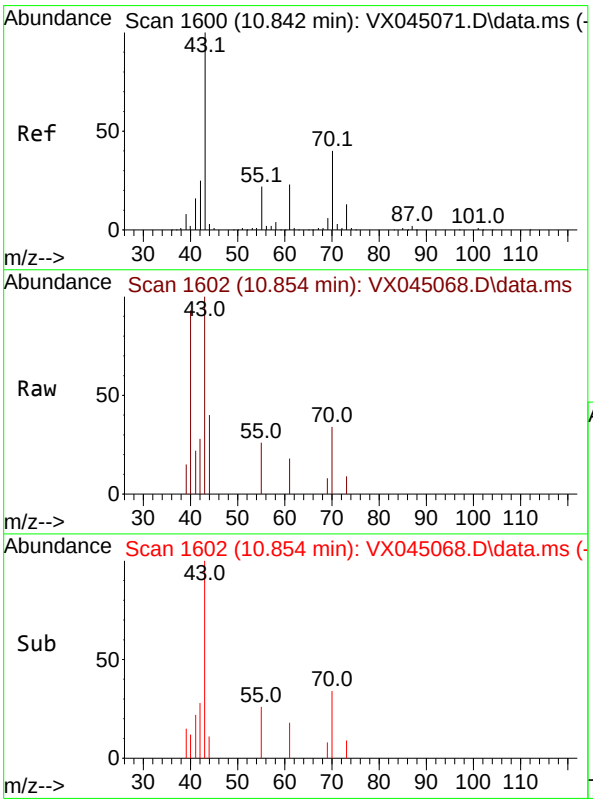
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

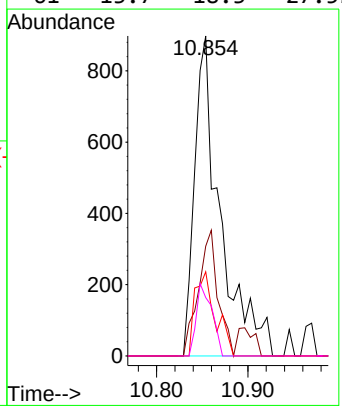


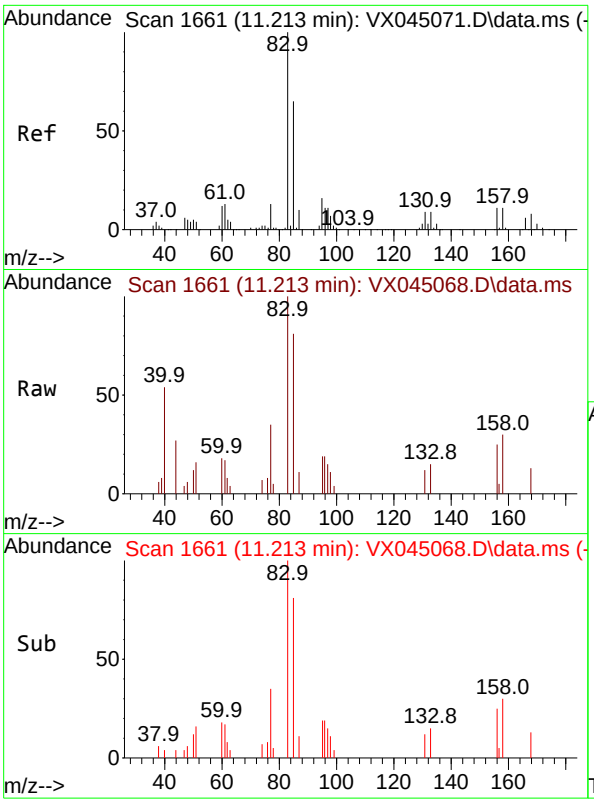


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1750

Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



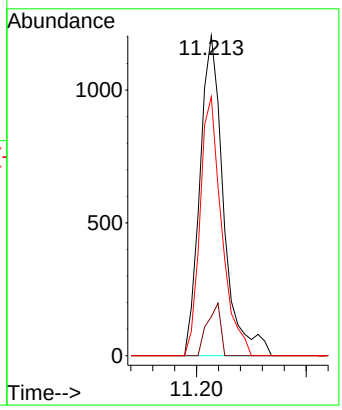


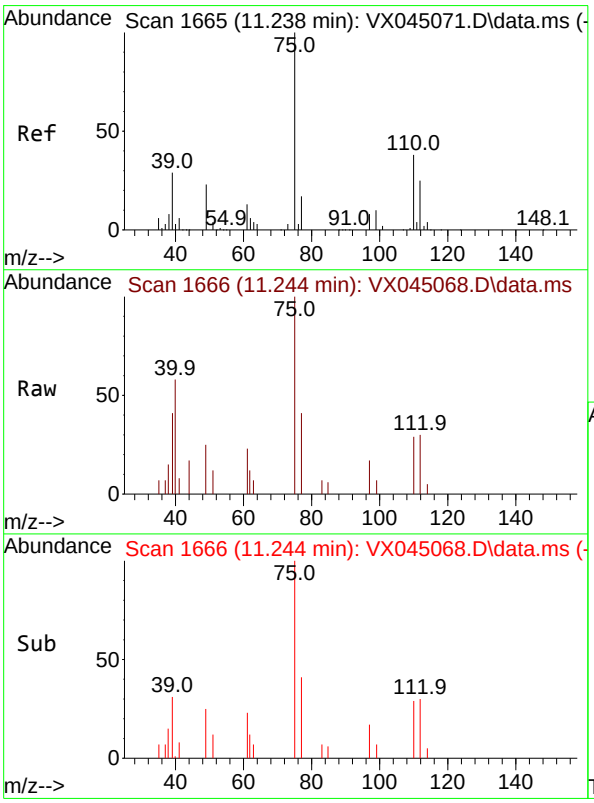
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

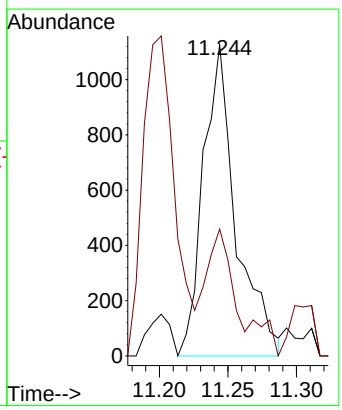


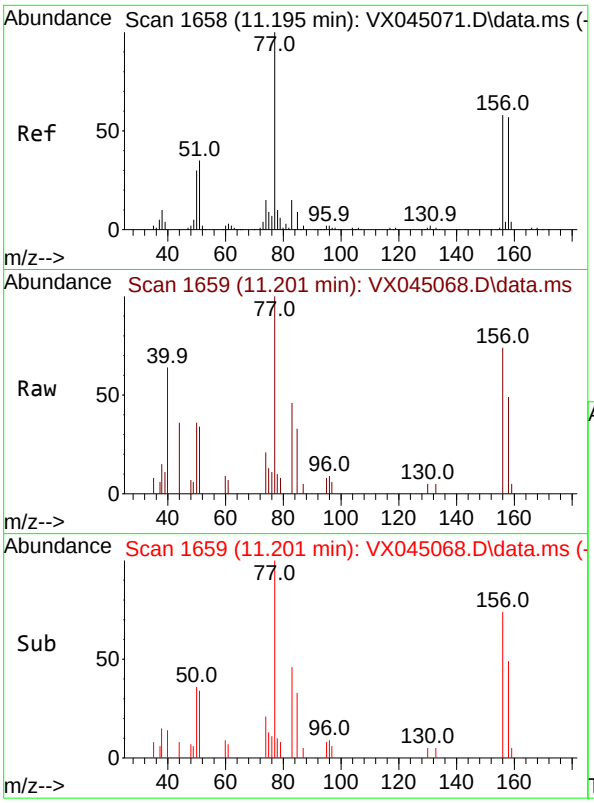


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



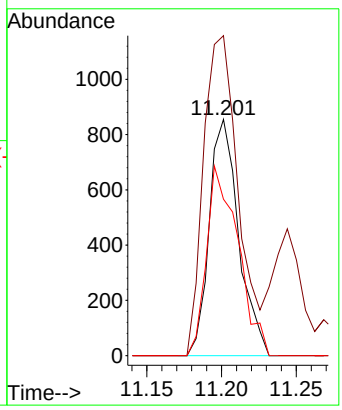


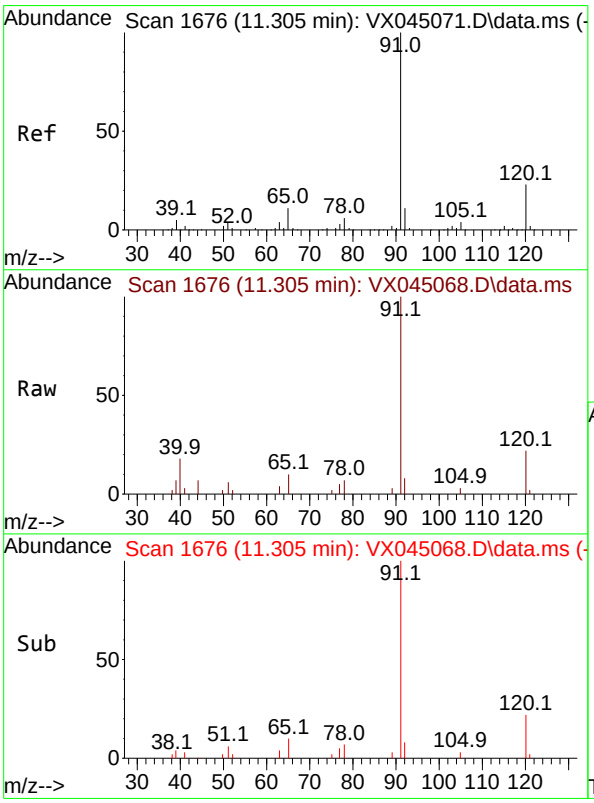
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

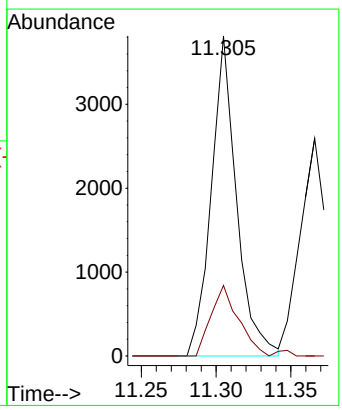


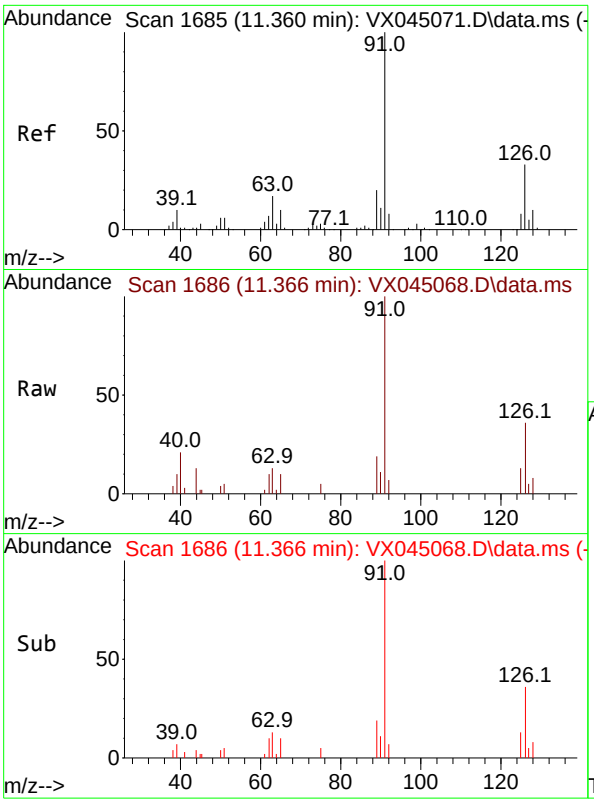


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



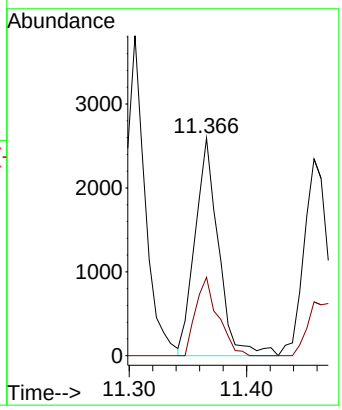


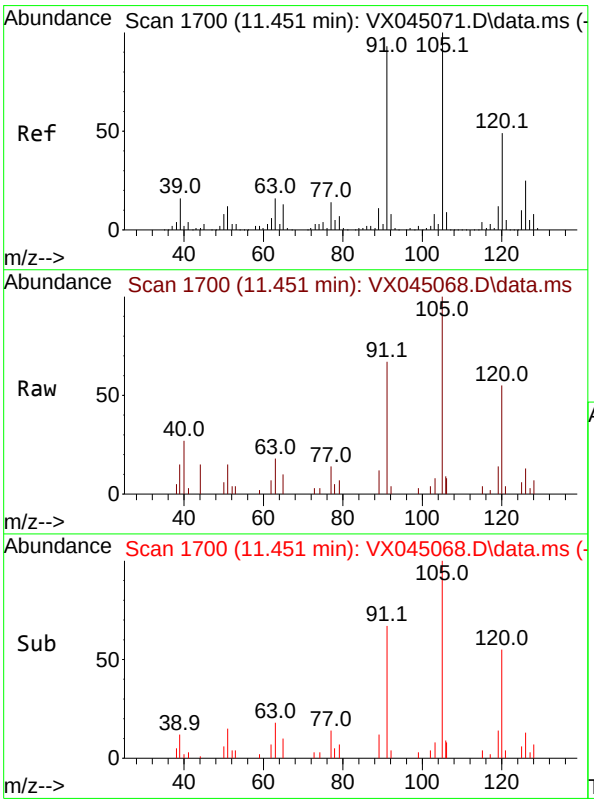
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

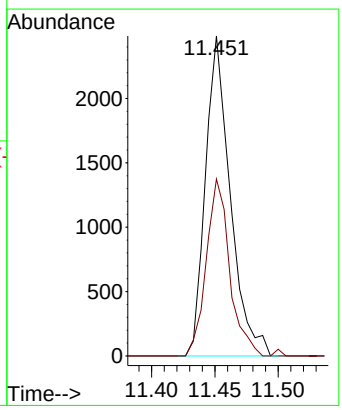


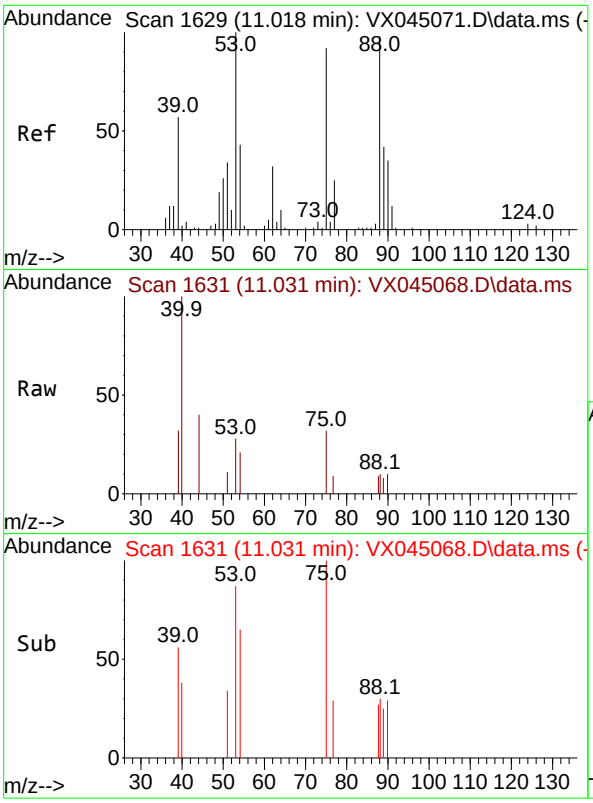


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



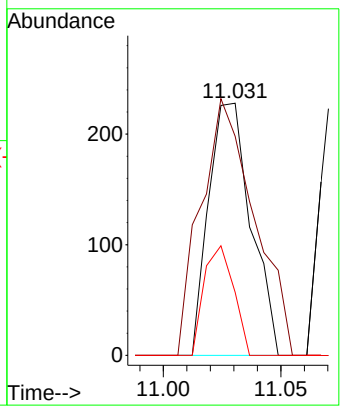


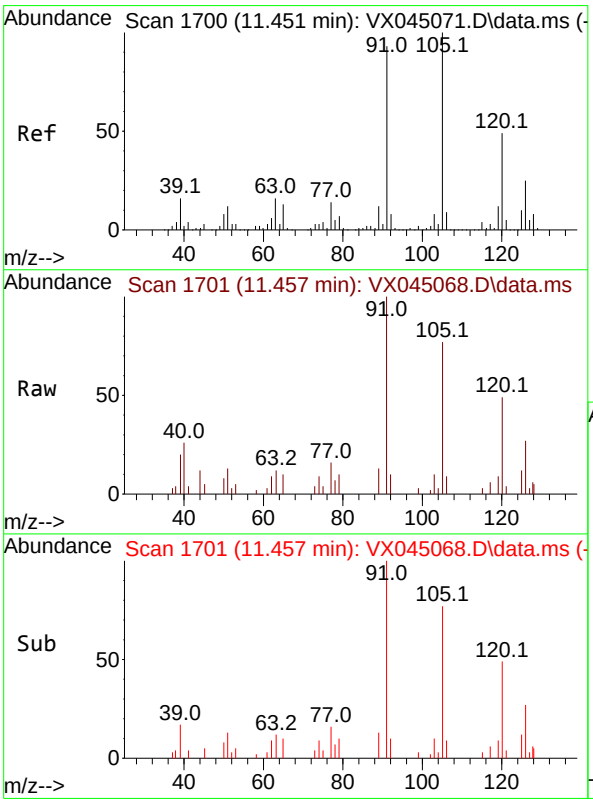
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 285

Ion	Ratio	Lower	Upper
75	100		
53	128.8	88.5	132.7
89	30.5	36.2	54.4#

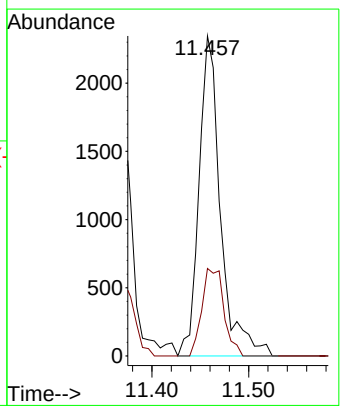


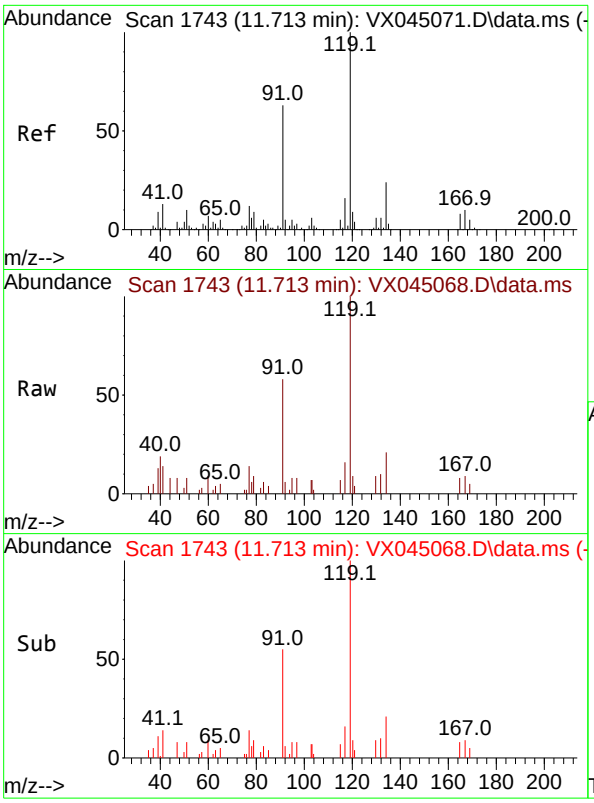


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



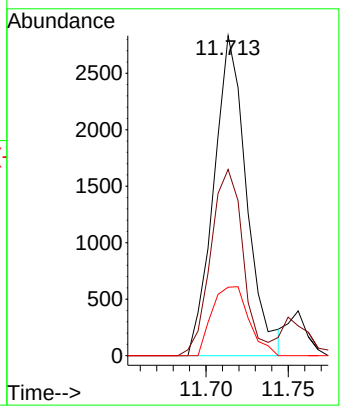


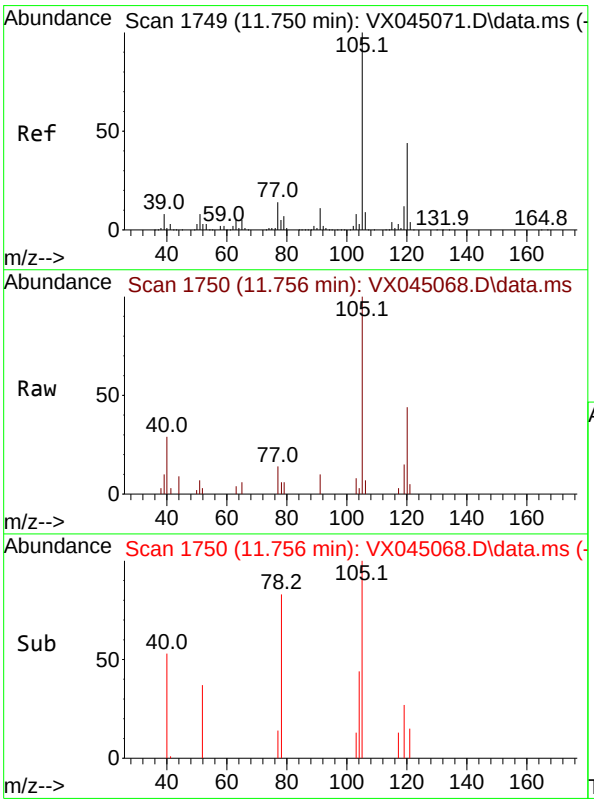
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3928

Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0

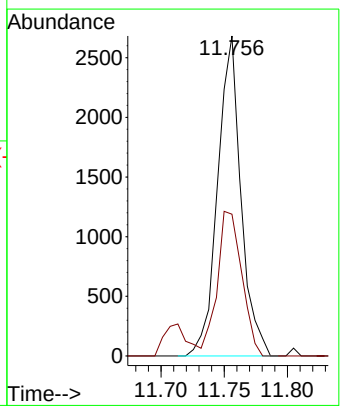


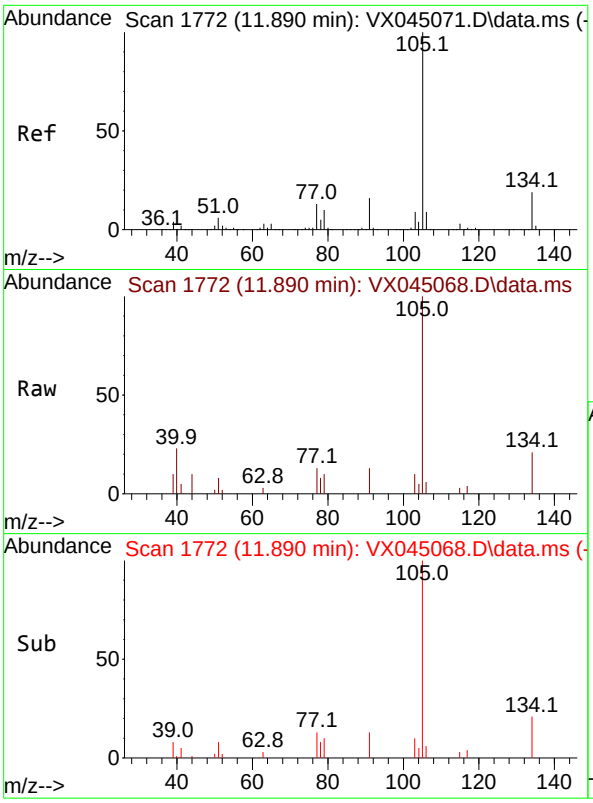


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



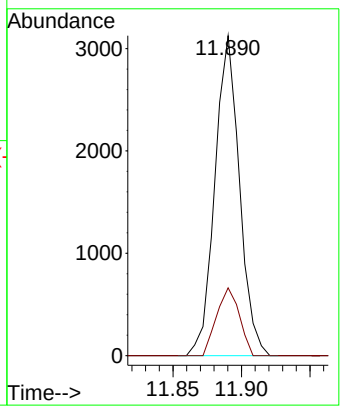


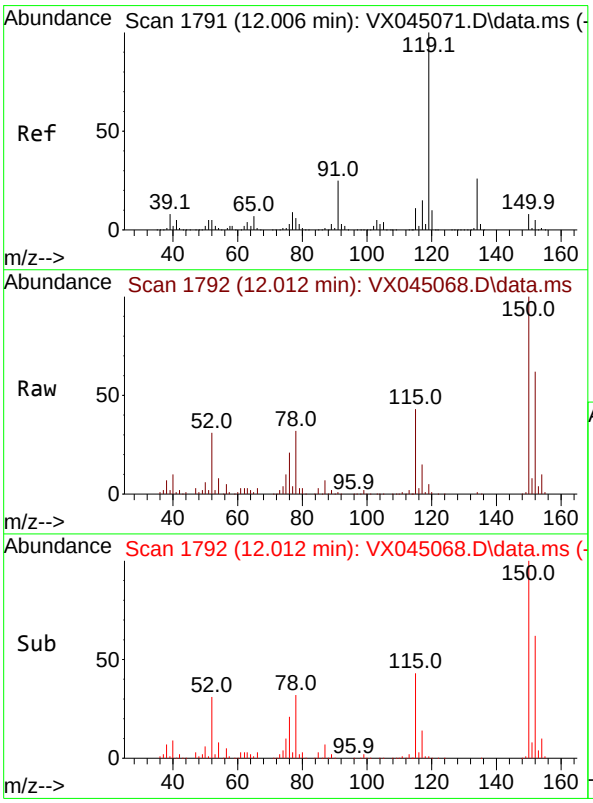
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

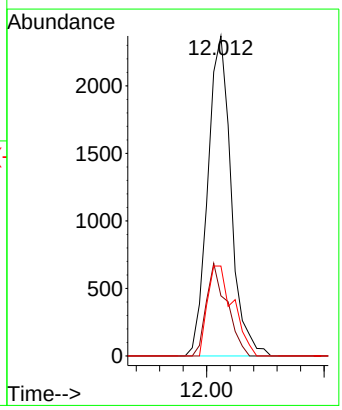


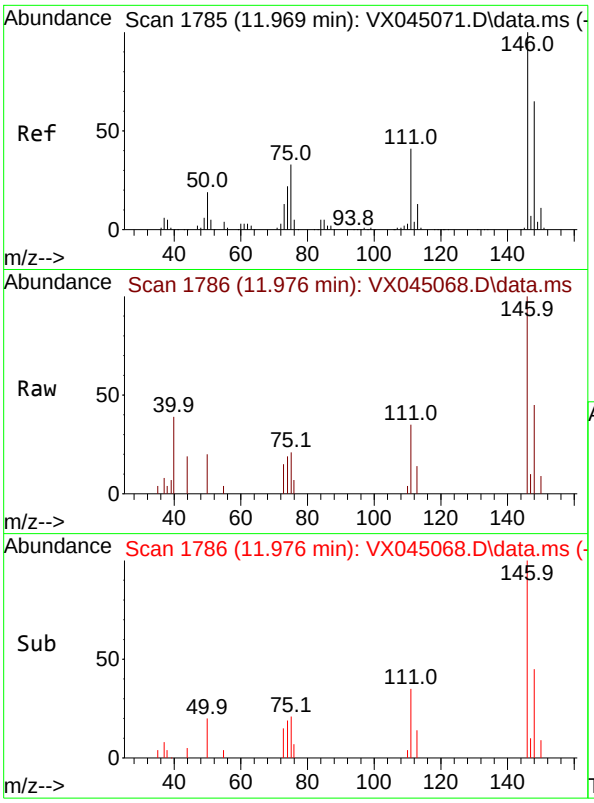


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0



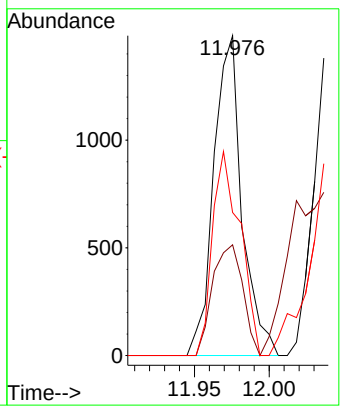


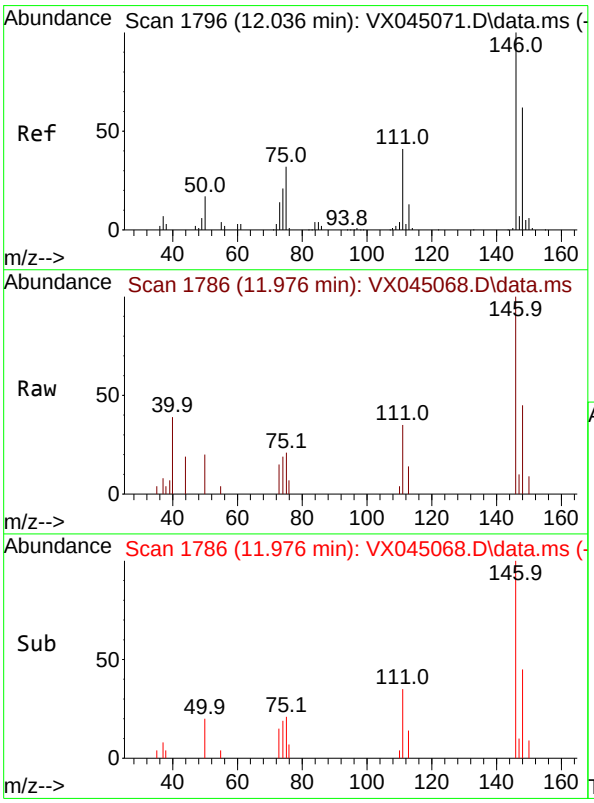
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7

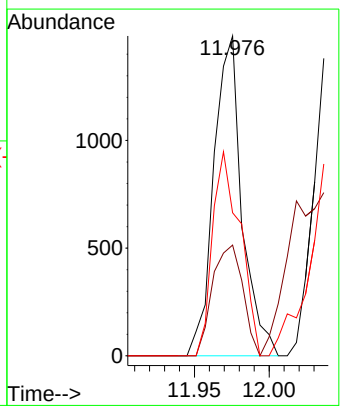


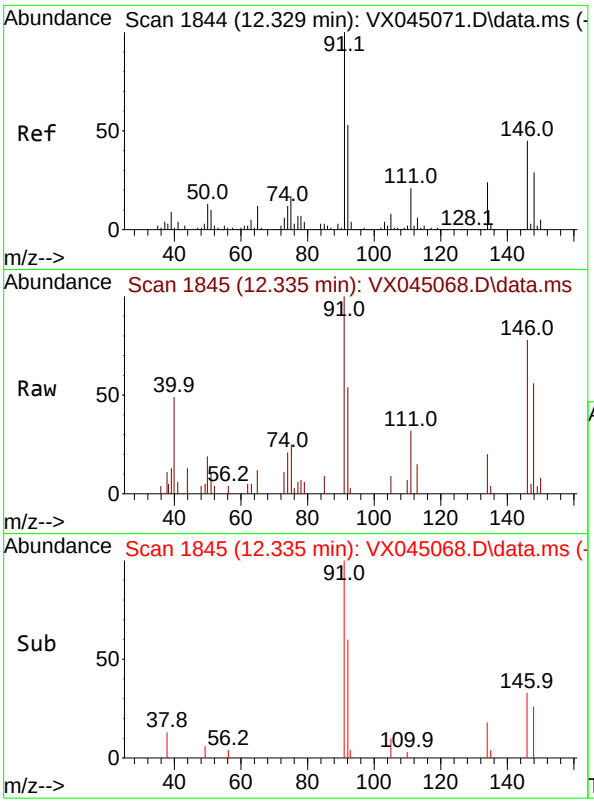


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	62.4	31.9	95.9



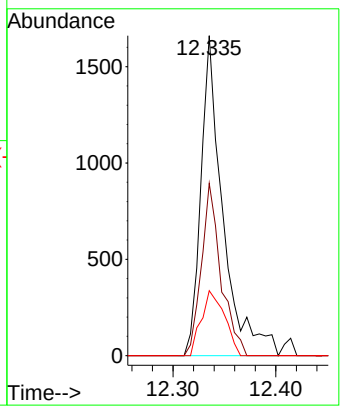


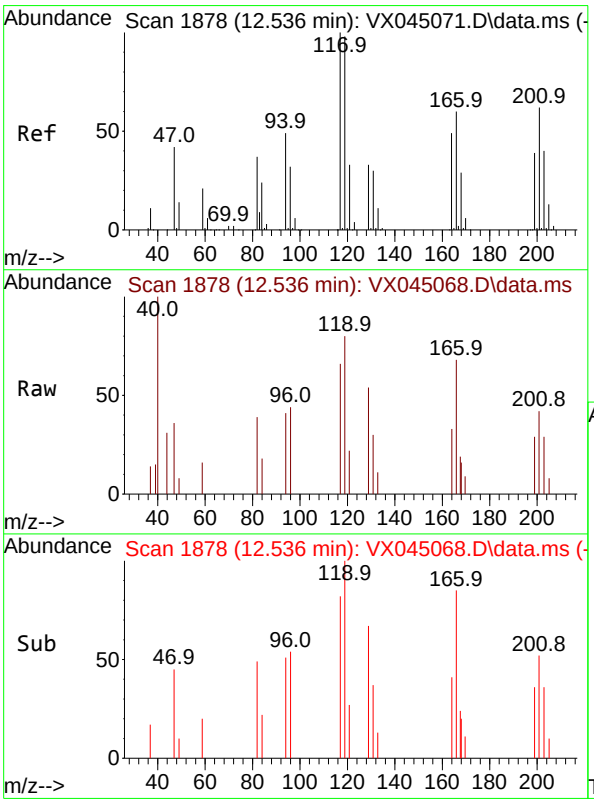
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2470

Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

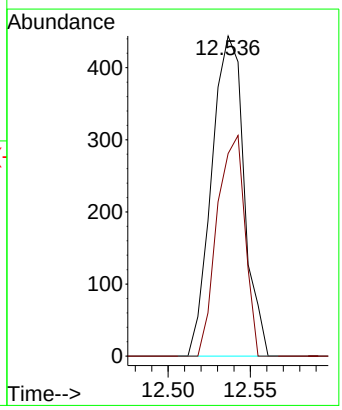


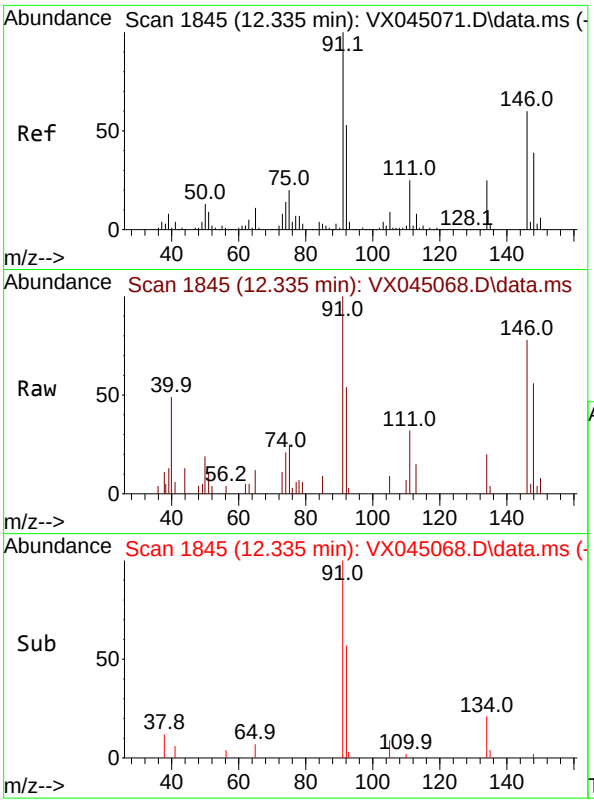


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



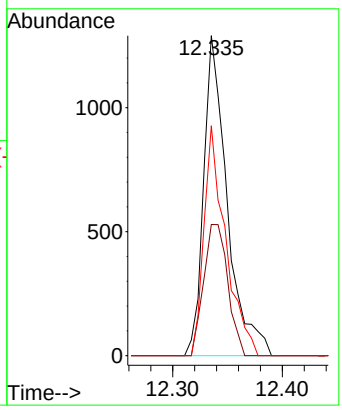


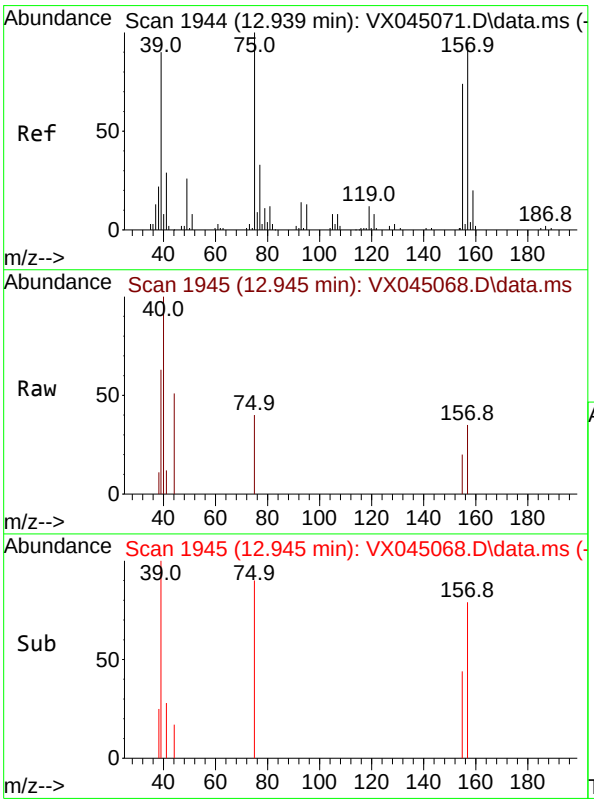
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1918

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9

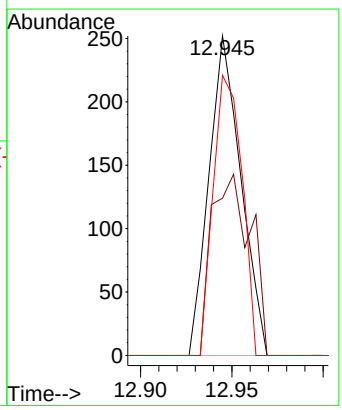


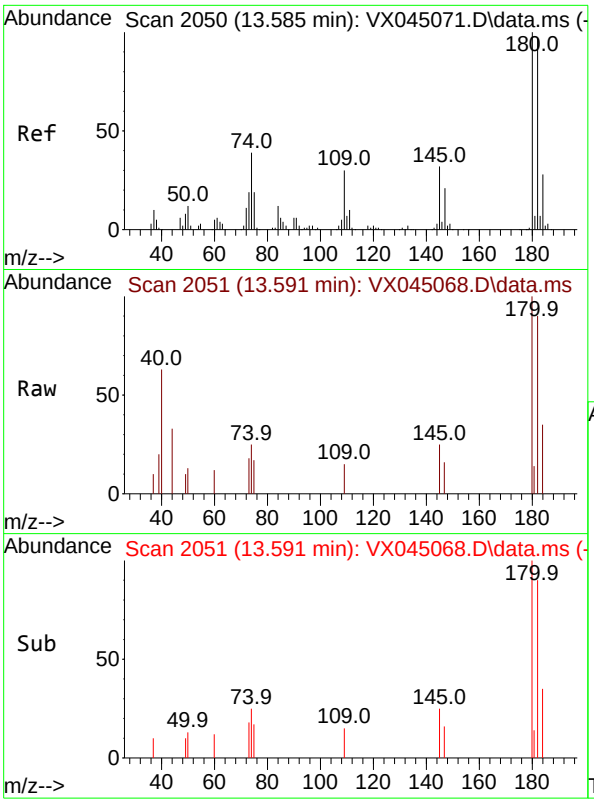


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4



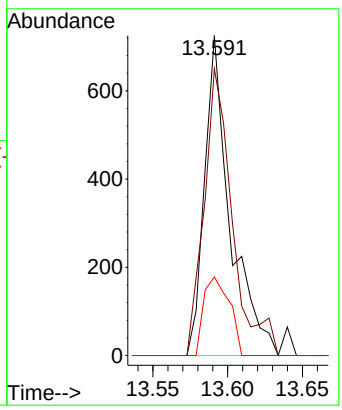


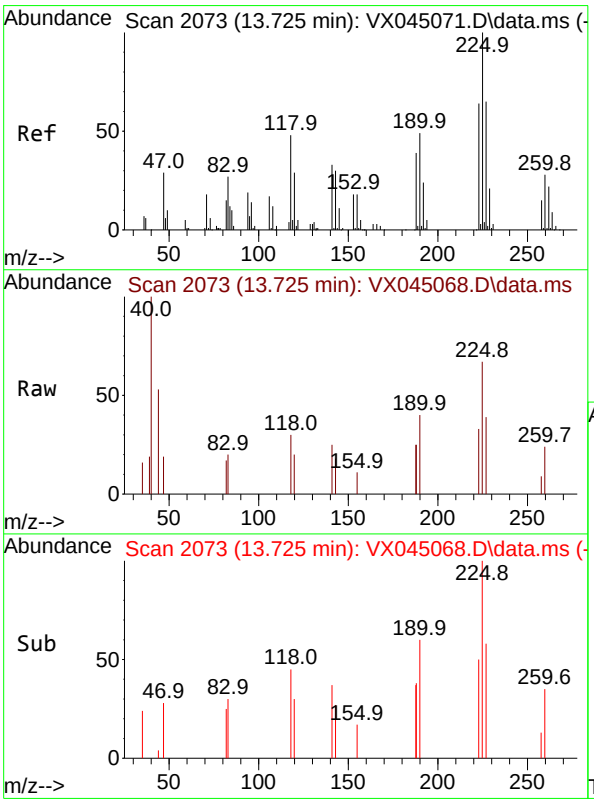
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 866

Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9

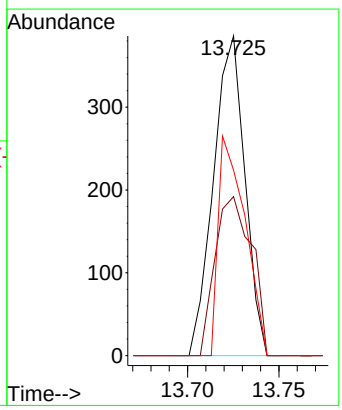


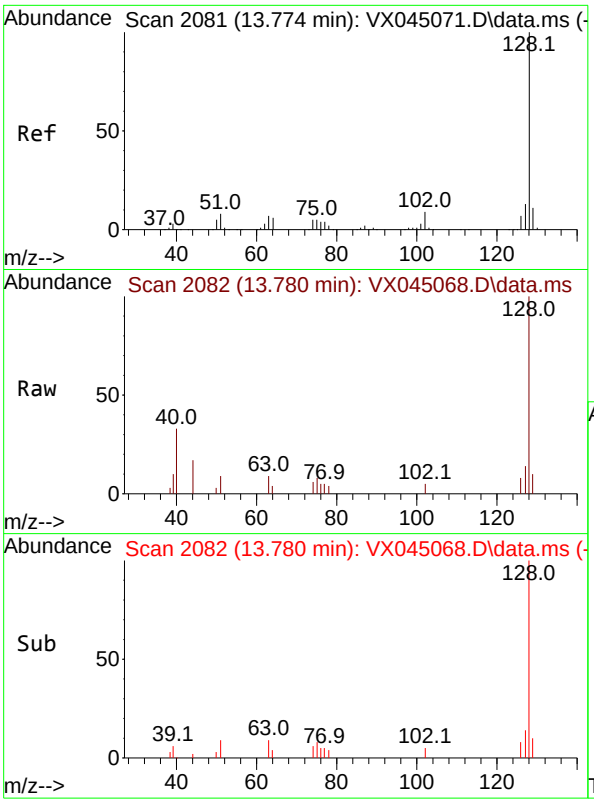


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0



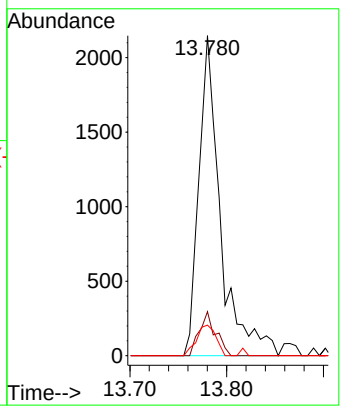


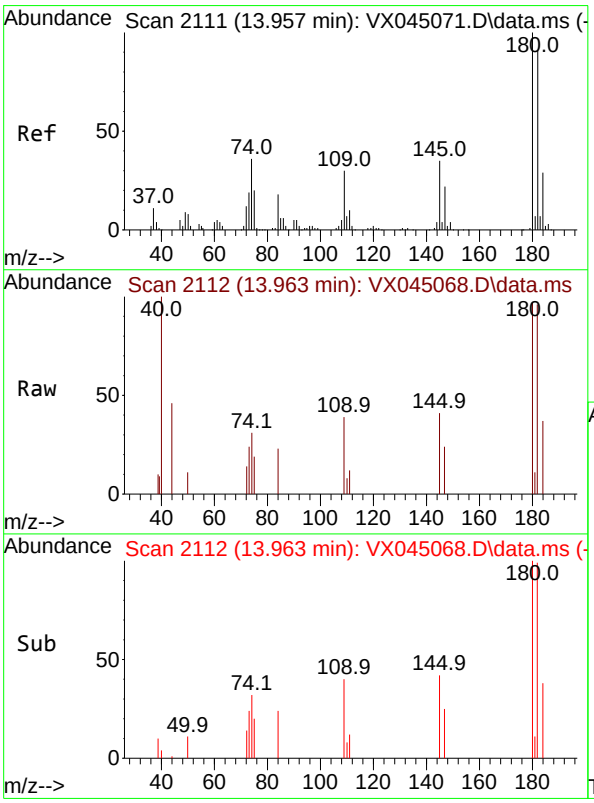
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3337

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#

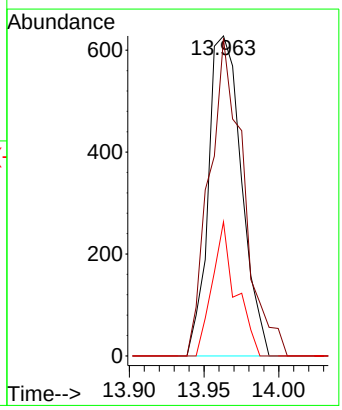




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.080%#				
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.120%#				
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.360%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	7224	24.859	ug/l		99
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136 ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510 ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700 ug/l		99
44) Trichloroethene	7.129	130	6827	5.234 ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177 ug/l		95
46) Dibromomethane	7.586	93	5146	5.195 ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100 ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224 ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303 ug/l		99
52) Toluene	8.720	92	16933	4.997 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985 ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244 ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151 ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628 ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527 ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363 ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846 ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161 ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128 ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781 ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725 ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608 ug/l		97
69) o-Xylene	10.640	106	11881	4.914 ug/l		95
70) Styrene	10.659	104	18278	4.704 ug/l		99
71) Bromoform	10.799	173	4027	4.541 ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991 ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300 ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	10159	6.189 ug/l		89
77) Bromobenzene	11.195	156	6970	5.163 ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694 ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256 ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761 ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960 ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687 ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532 ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926 ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014 ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072 ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138 ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712 ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114 ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640 ug/l		97
95) Naphthalene	13.780	128	22927	4.287 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

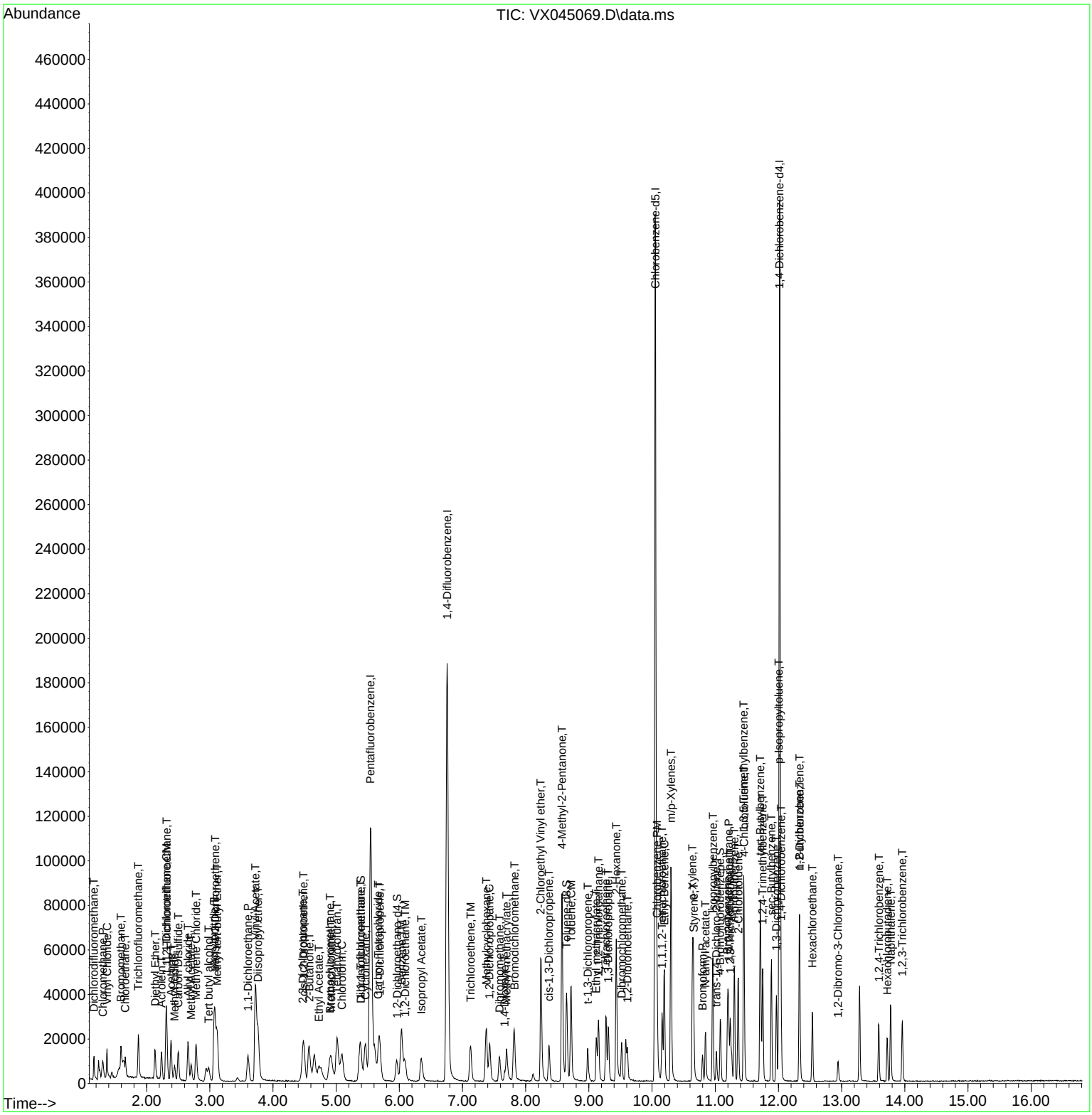
(#) = qualifier out of range (m) = manual integration (+) = signals summed

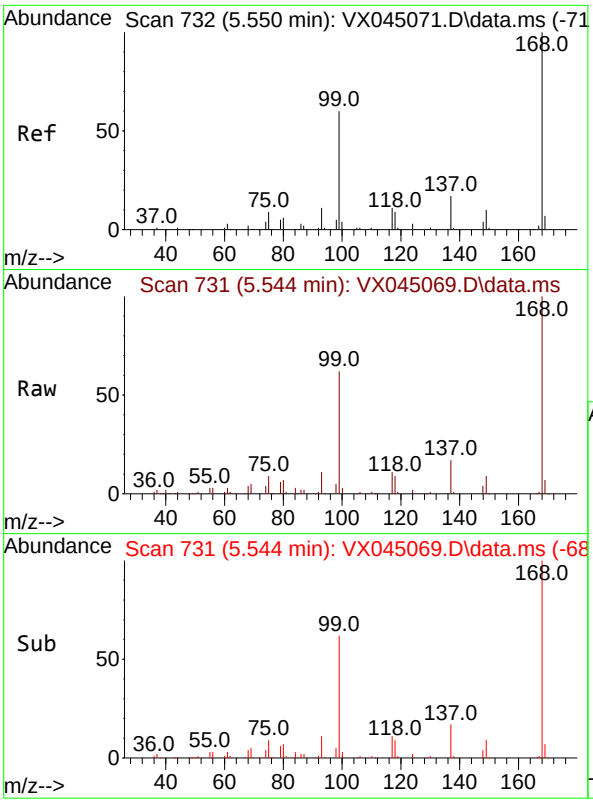
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



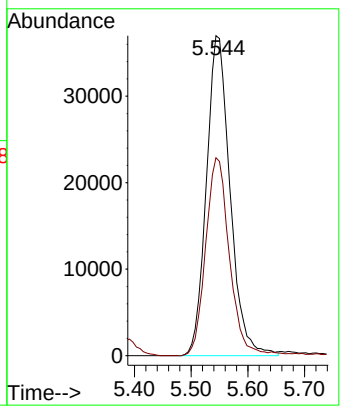


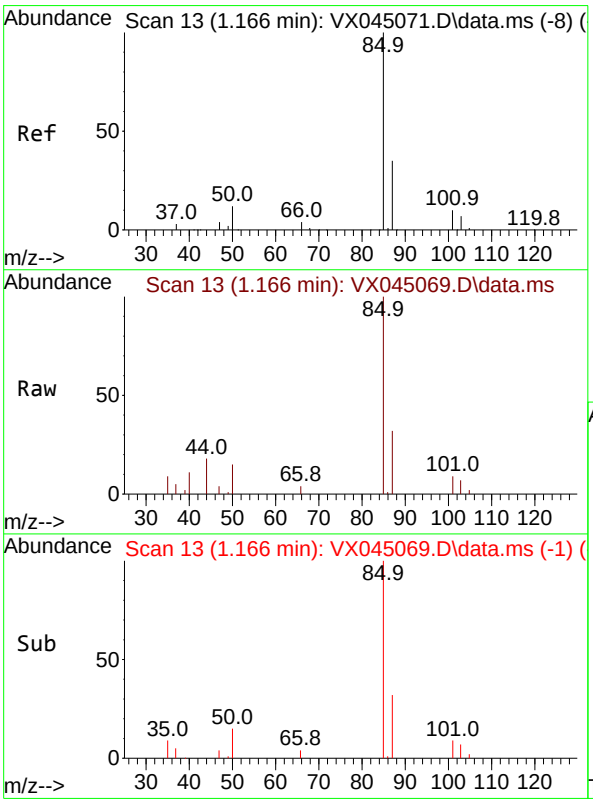
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

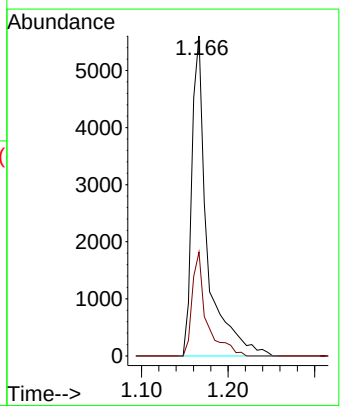


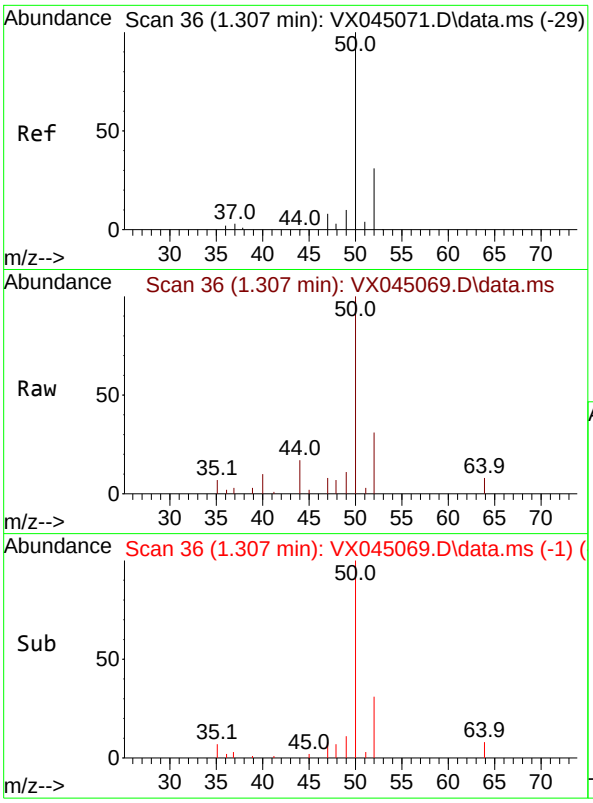


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



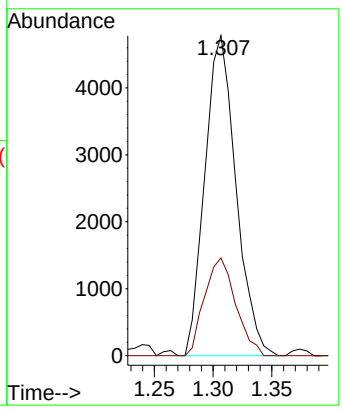


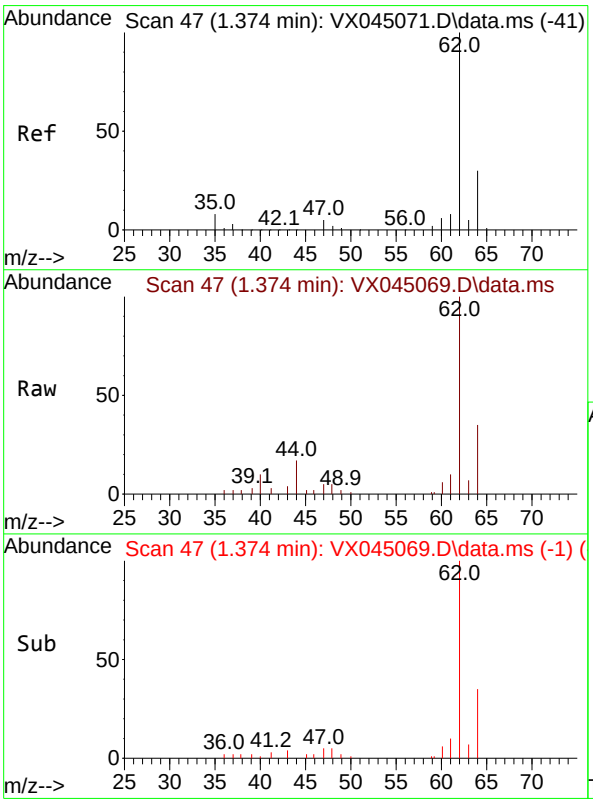
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

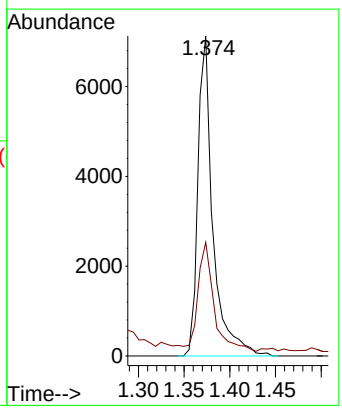


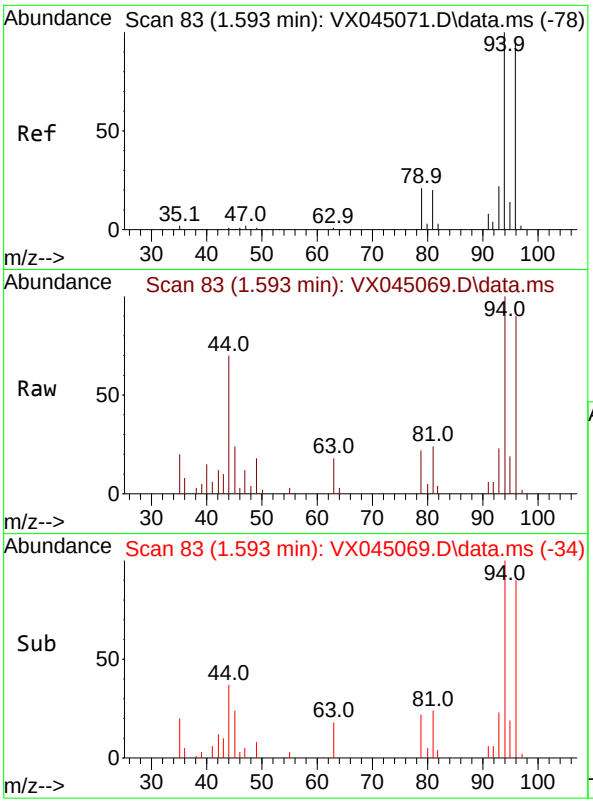


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



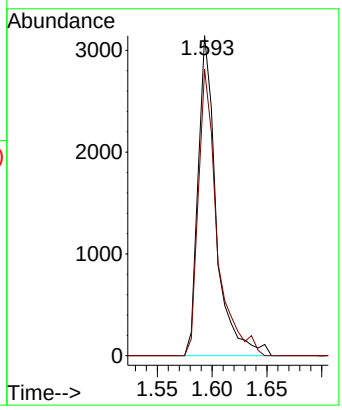


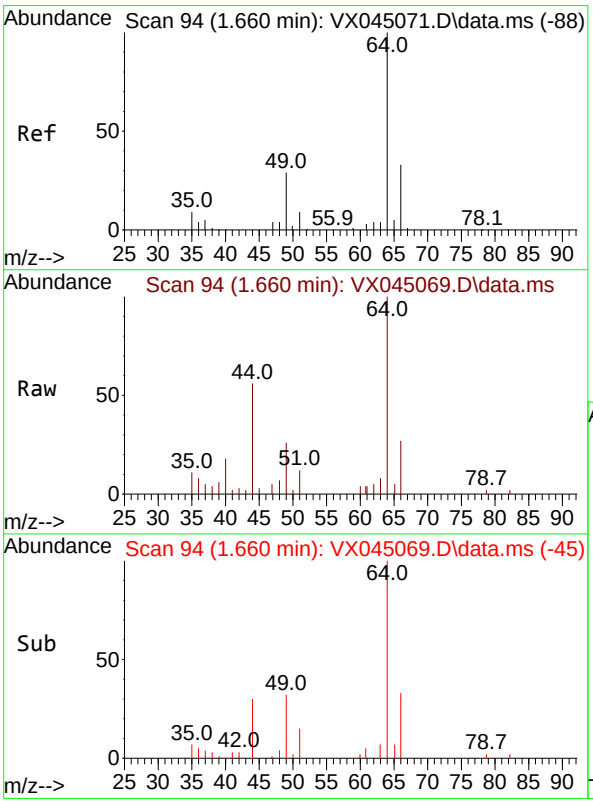
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

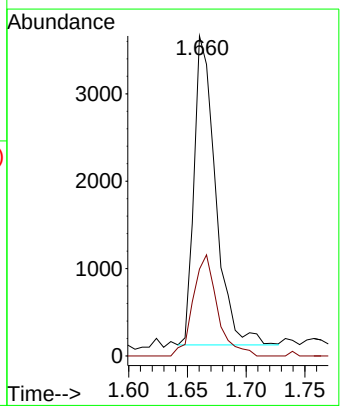


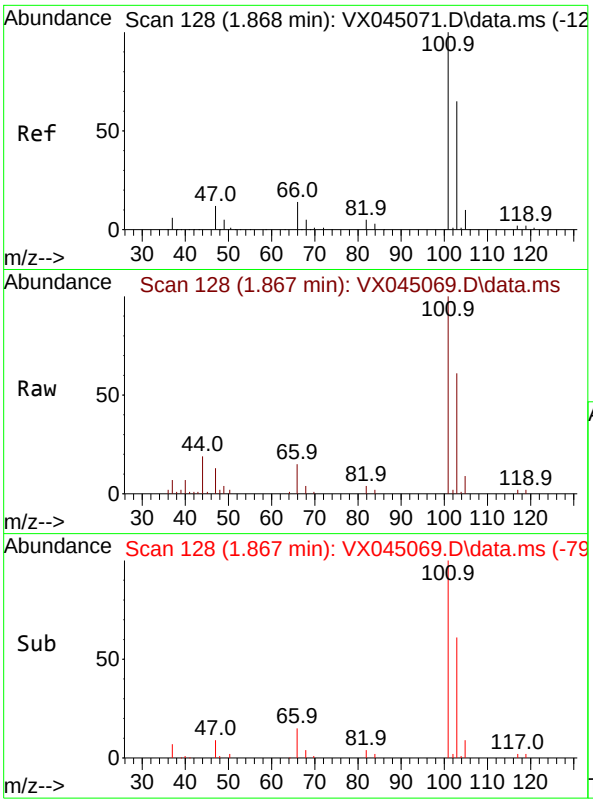


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



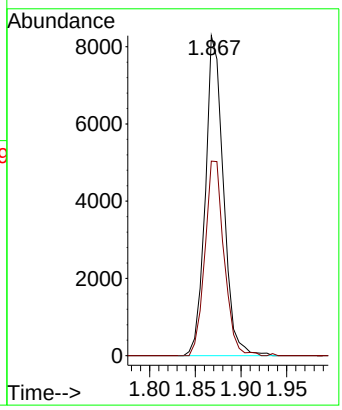


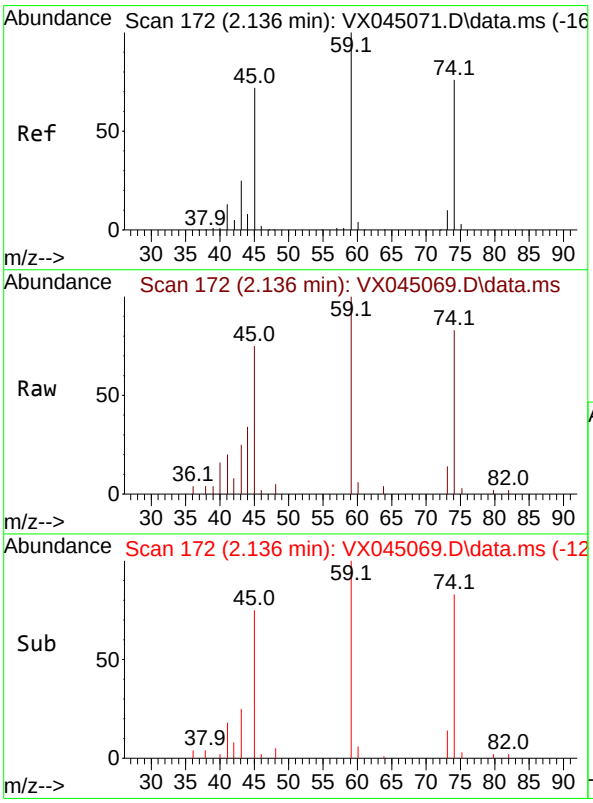
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

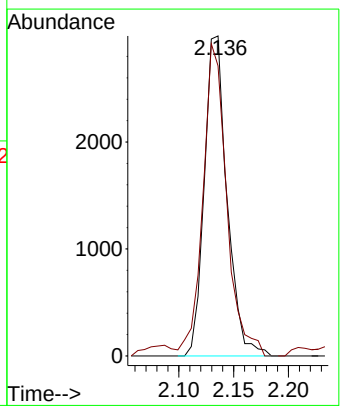


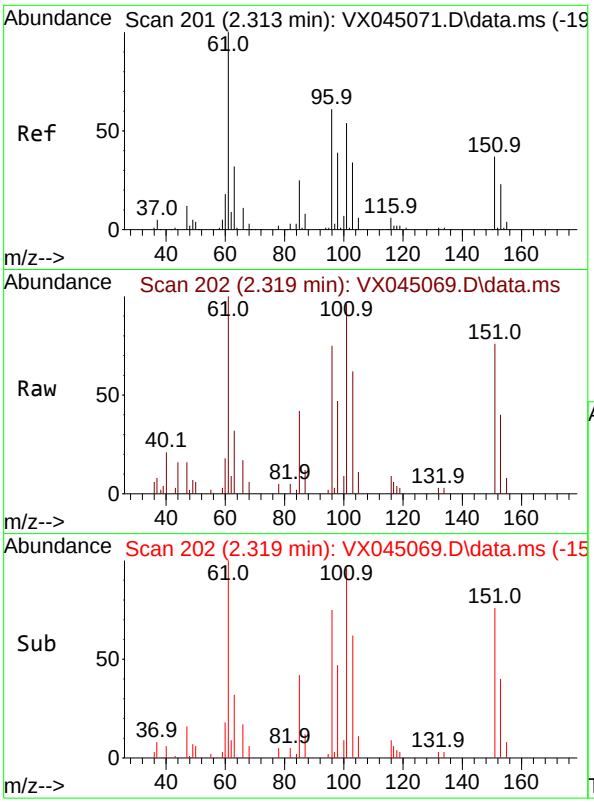


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



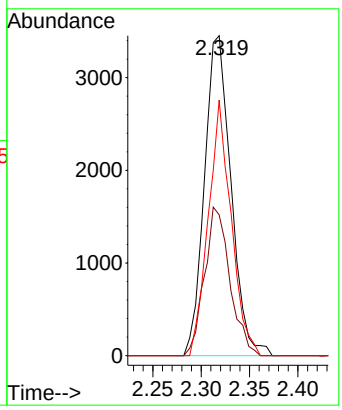


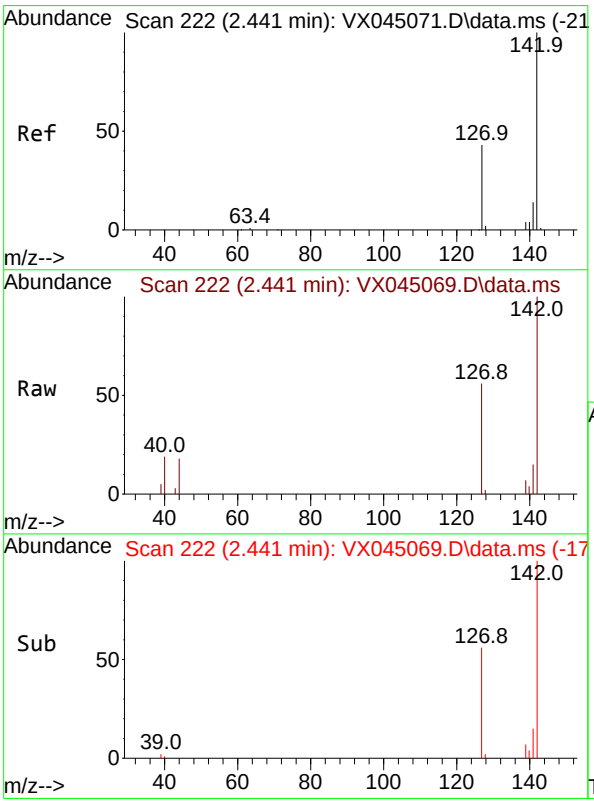
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6586

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

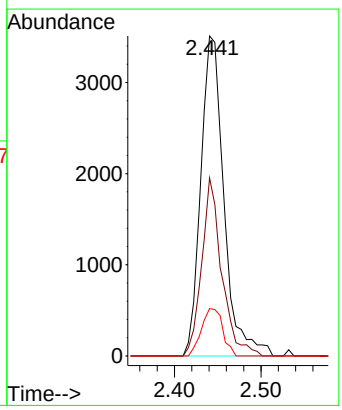


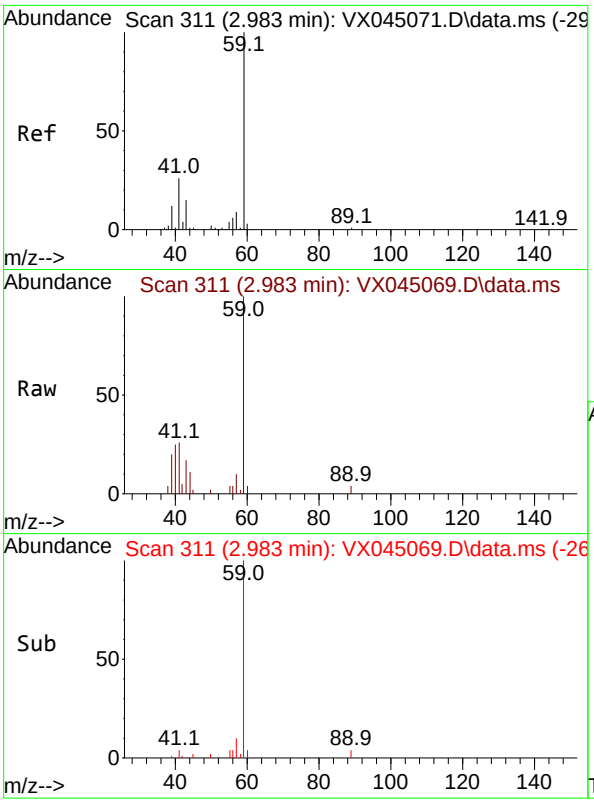


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4



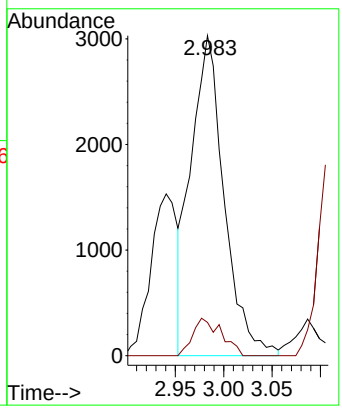


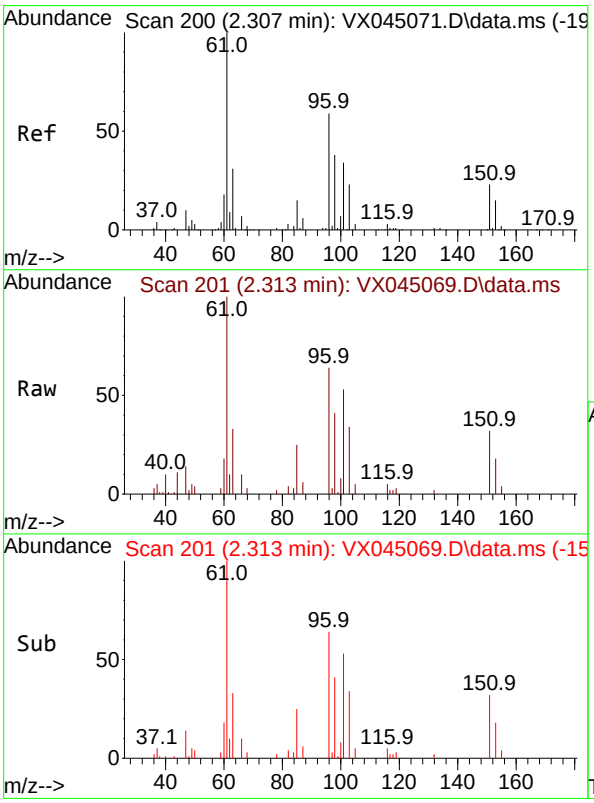
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

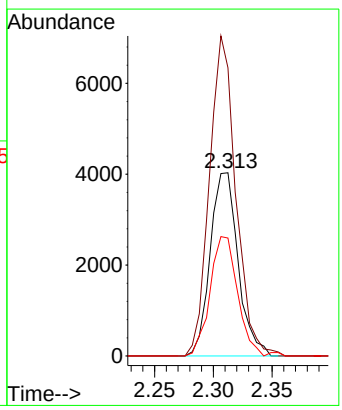


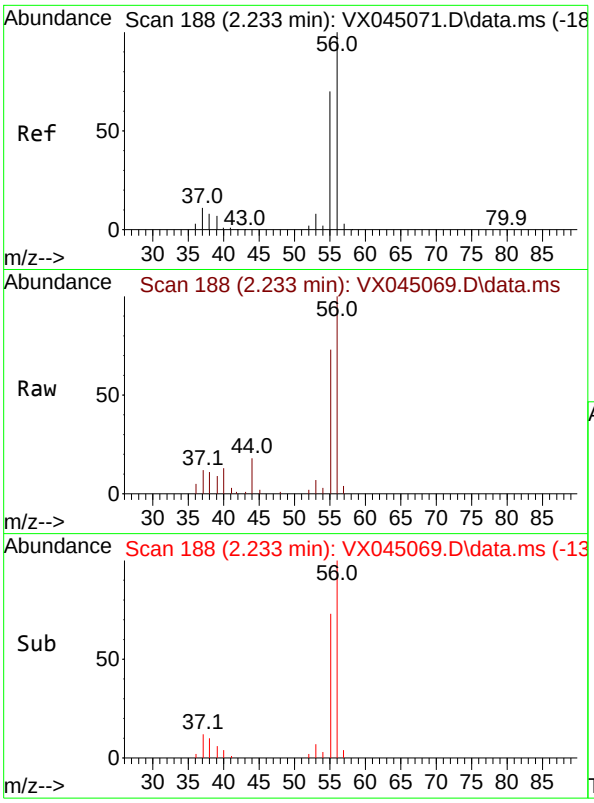


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6



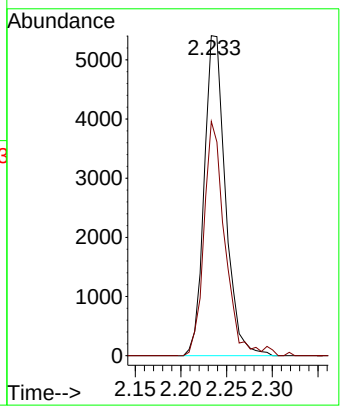


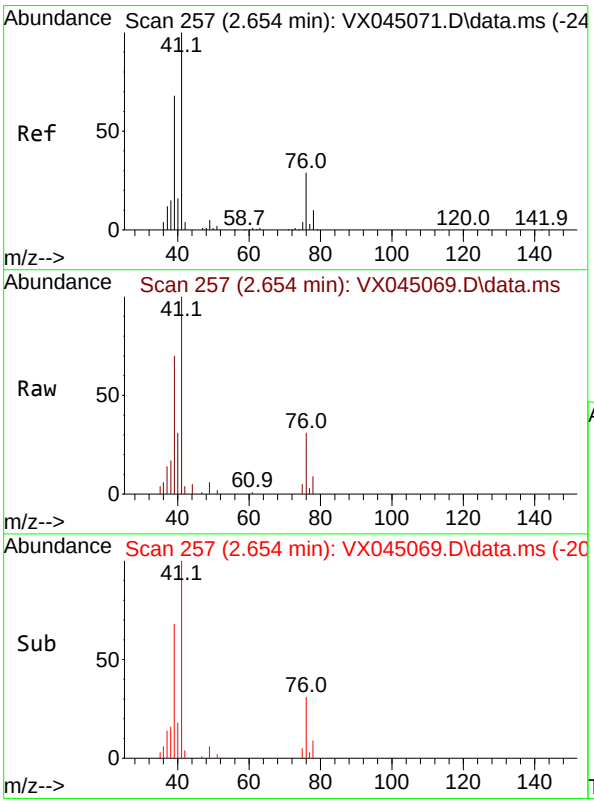
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

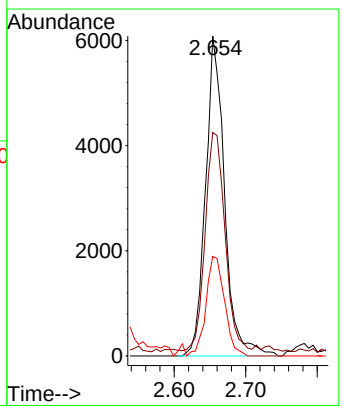


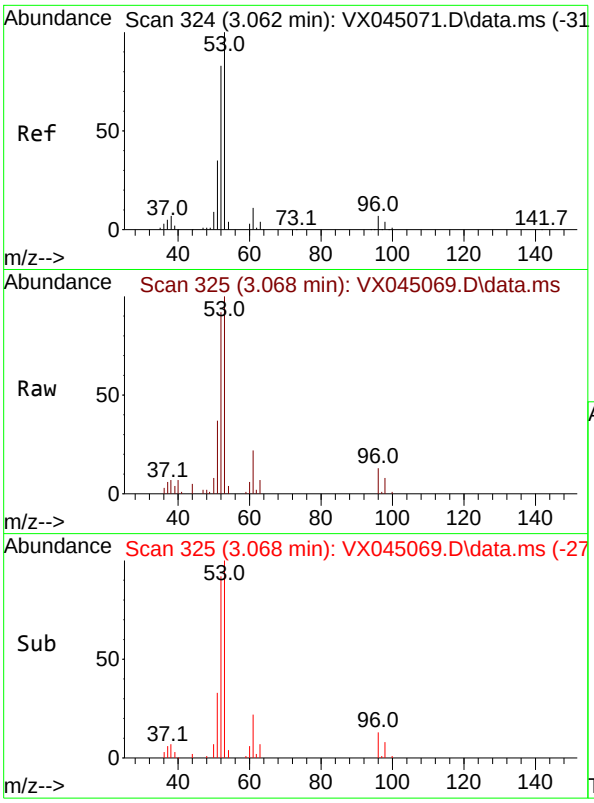


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8



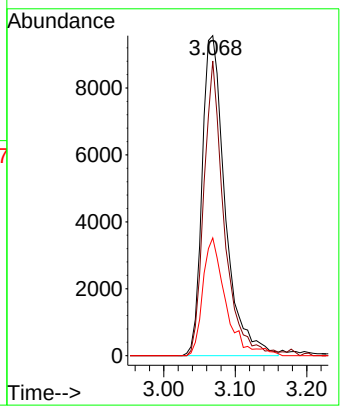


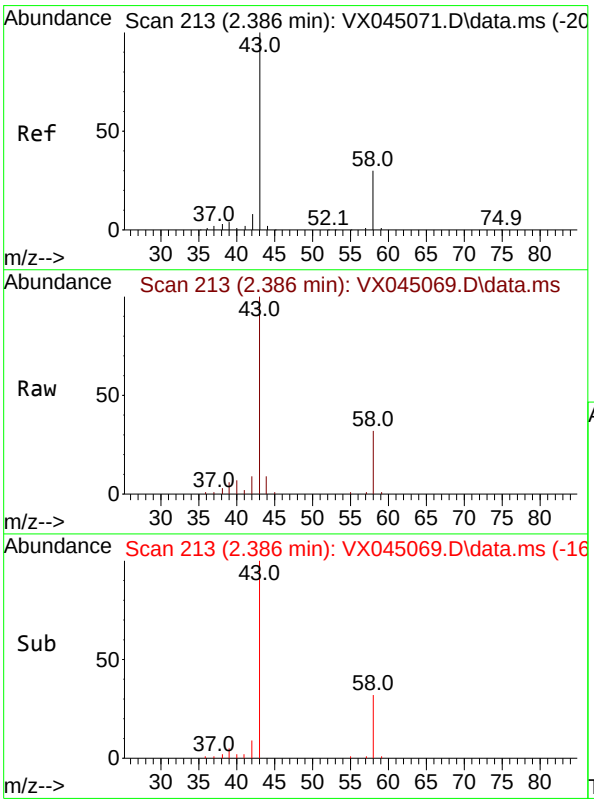
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 21381

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4

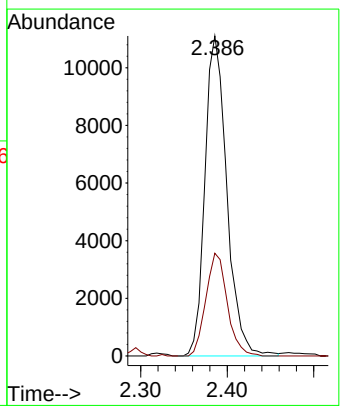


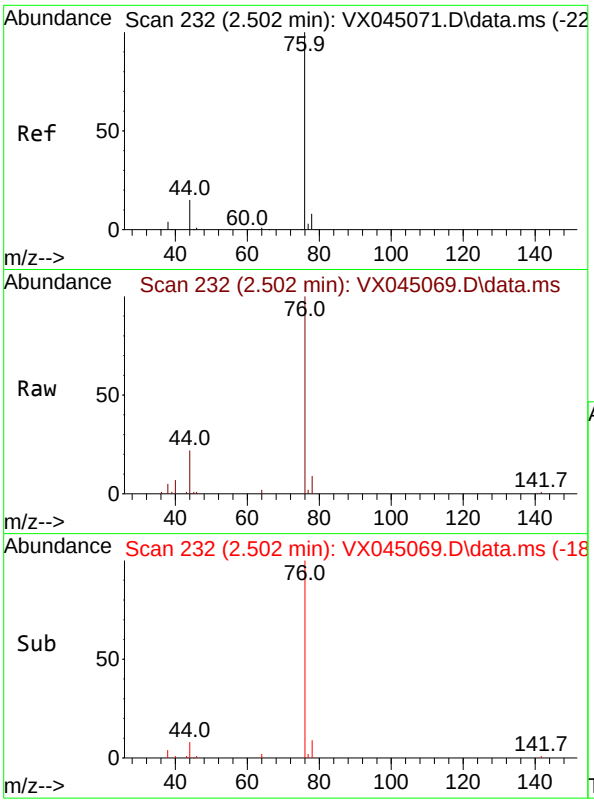


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



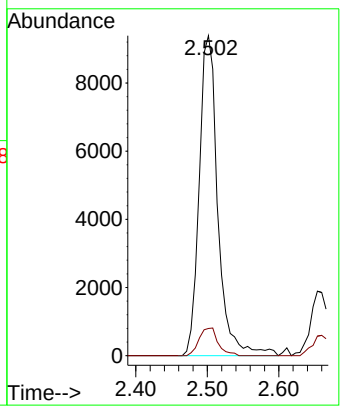


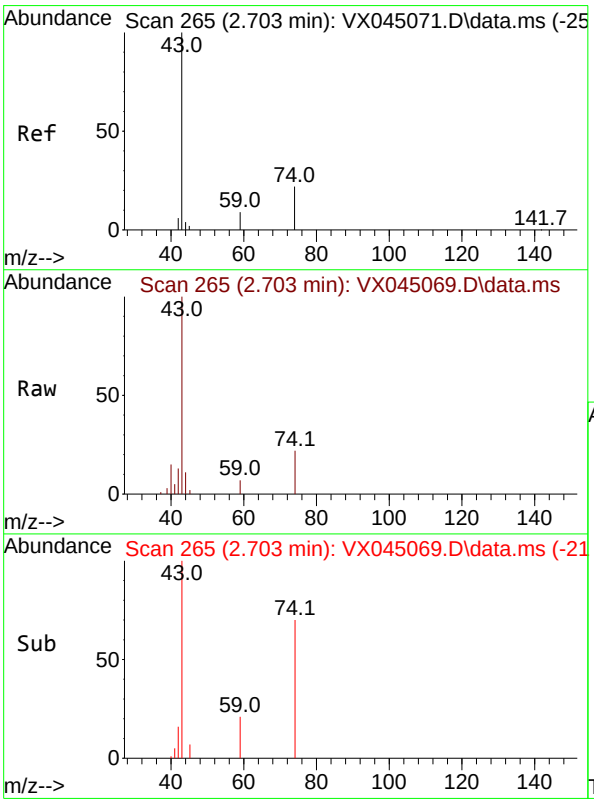
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

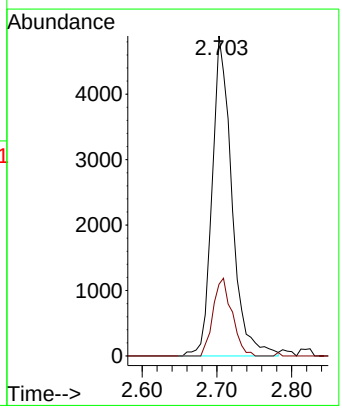


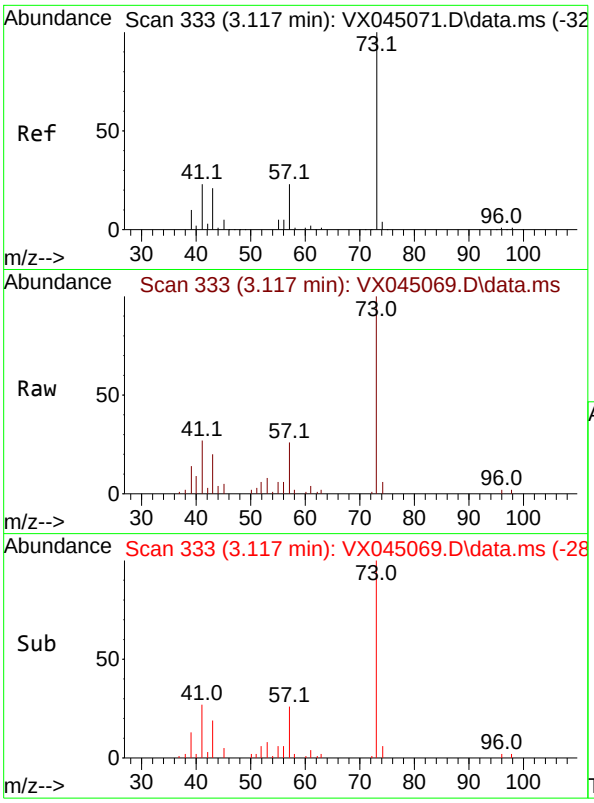


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



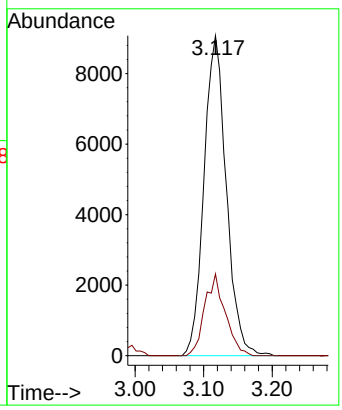


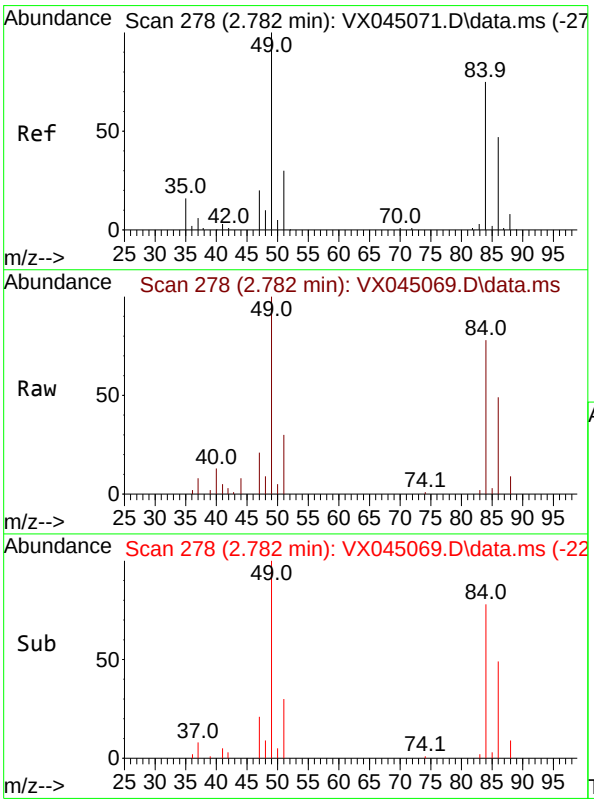
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

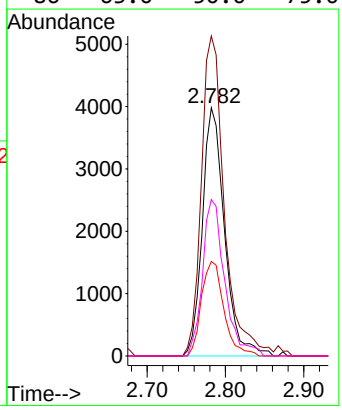


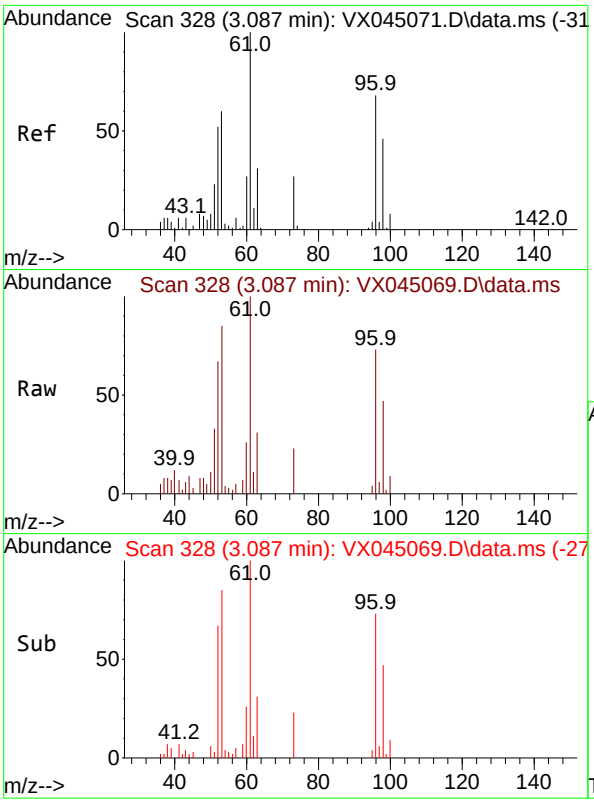


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0



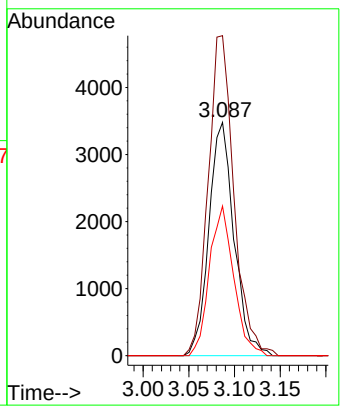


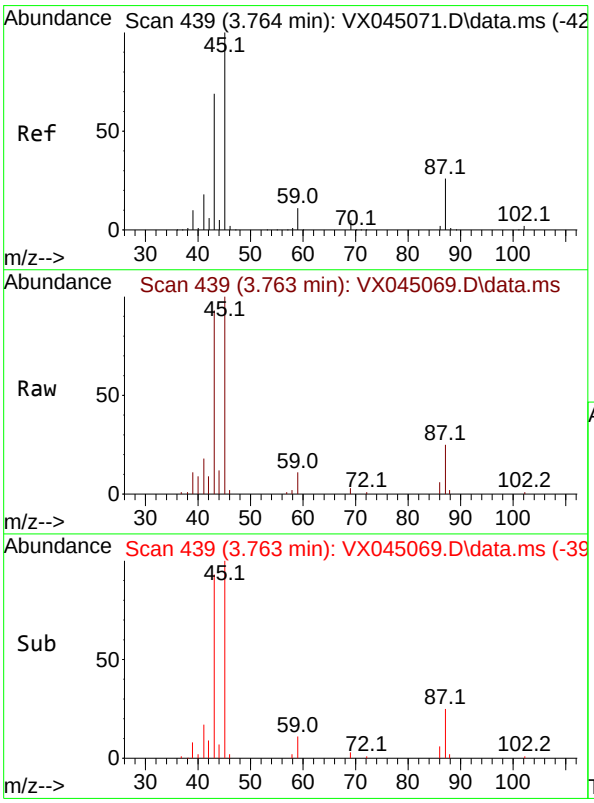
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6651

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2

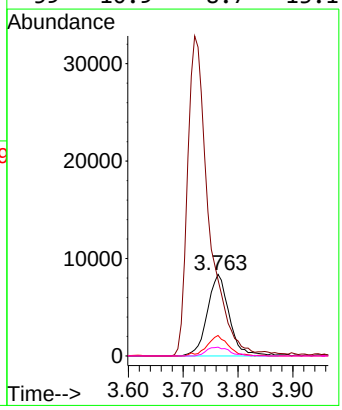


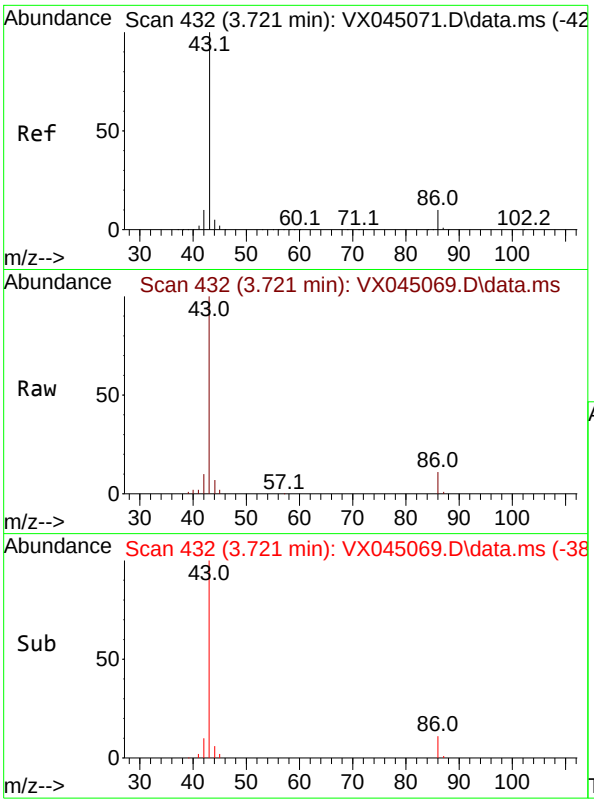


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1



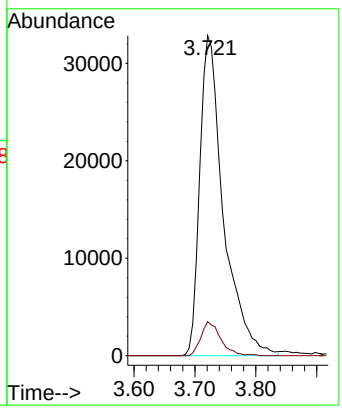


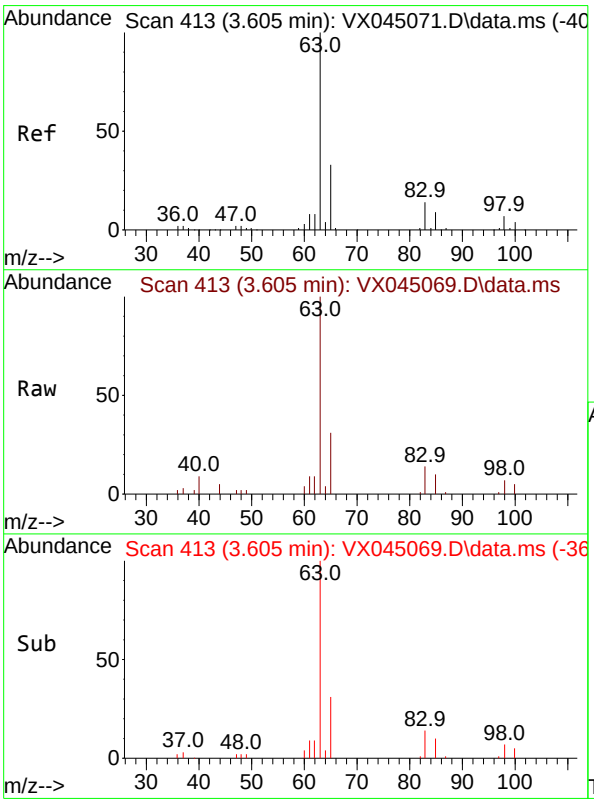
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

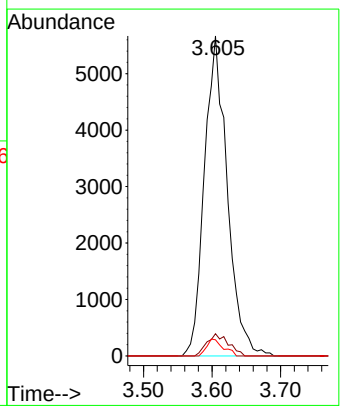


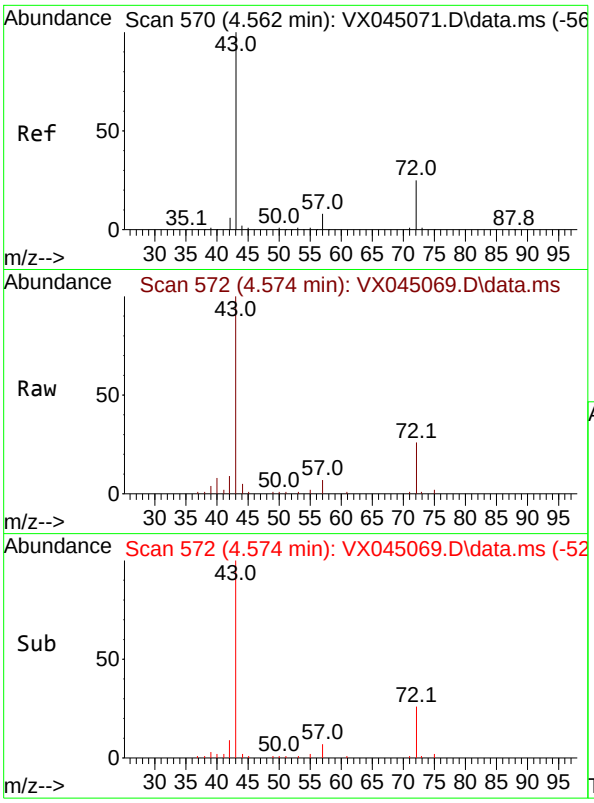


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5



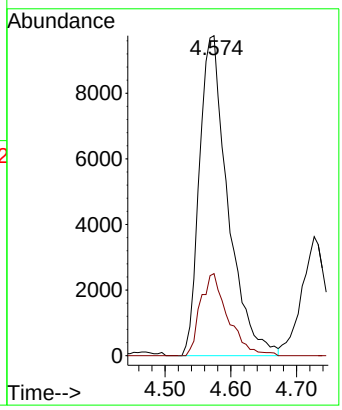


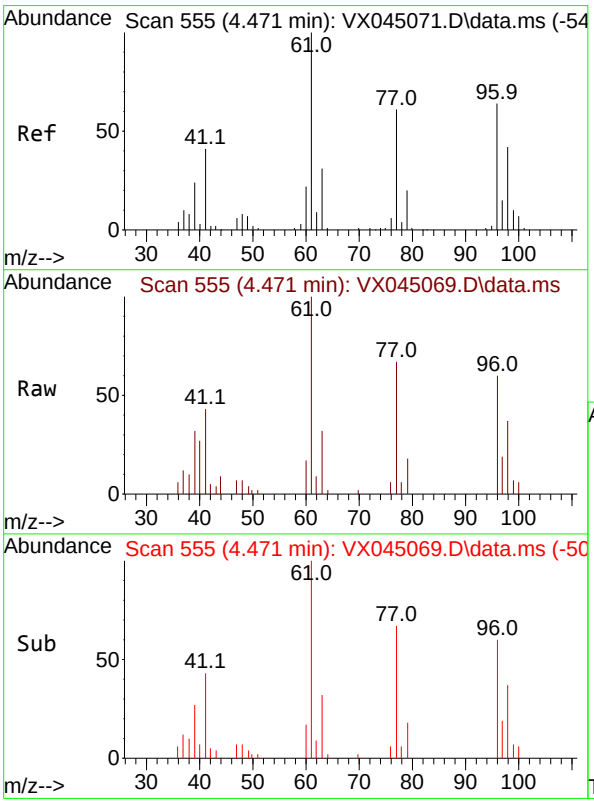
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

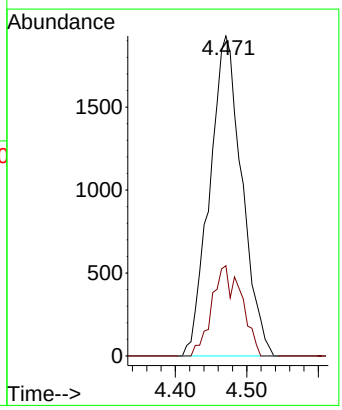


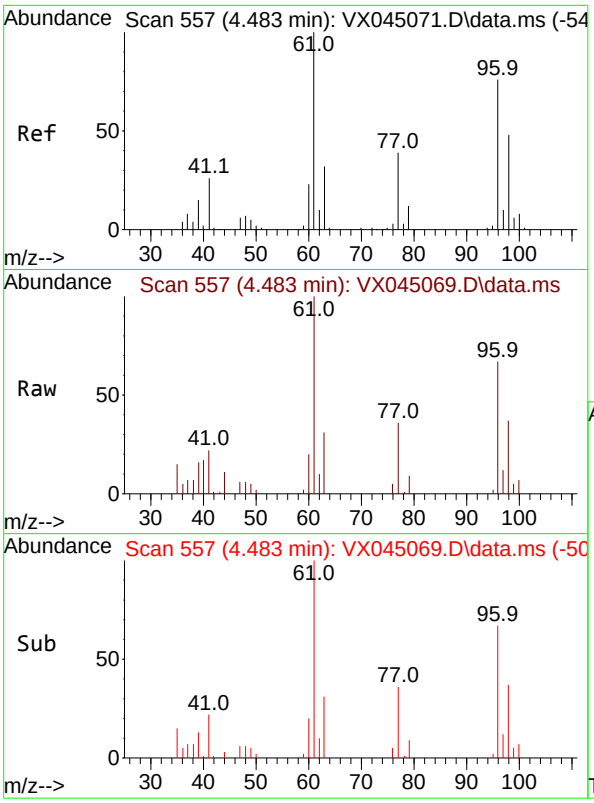


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



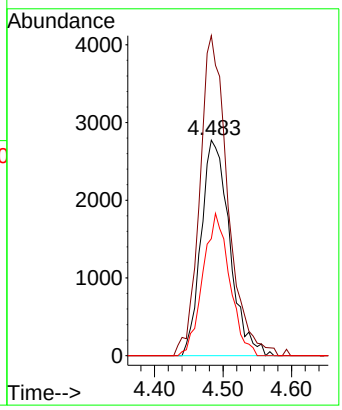


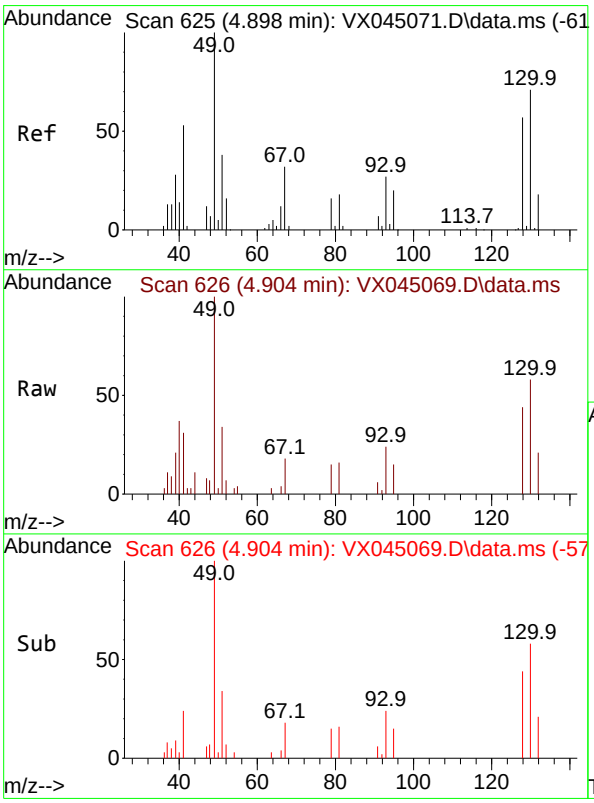
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8012

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

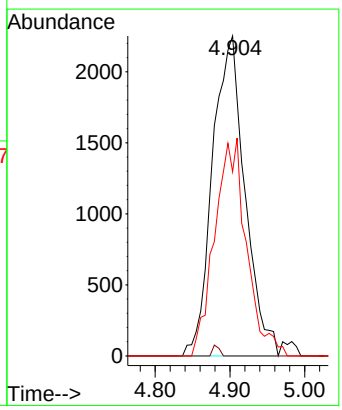


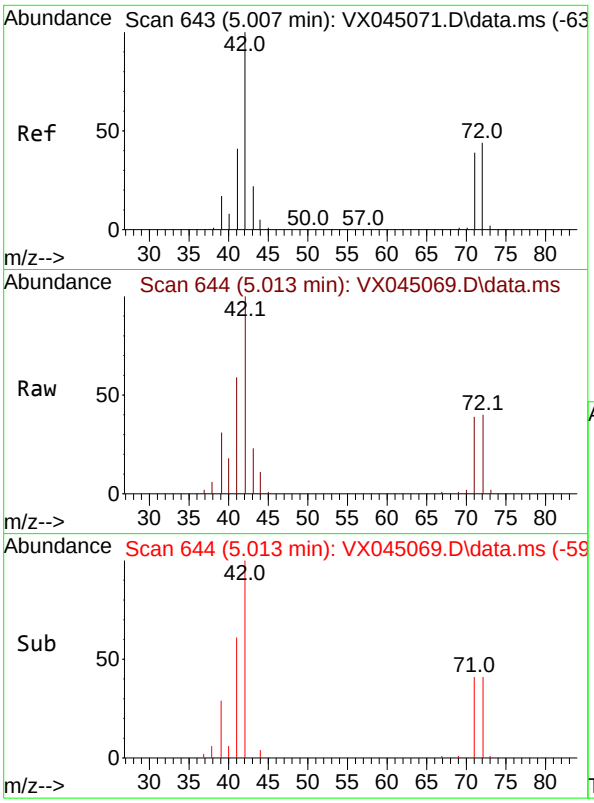


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1



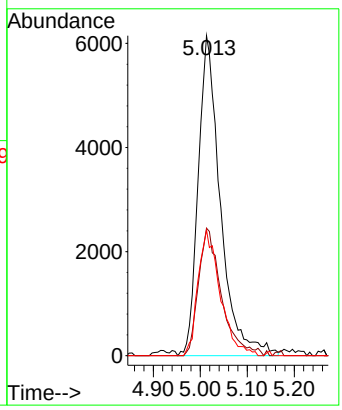


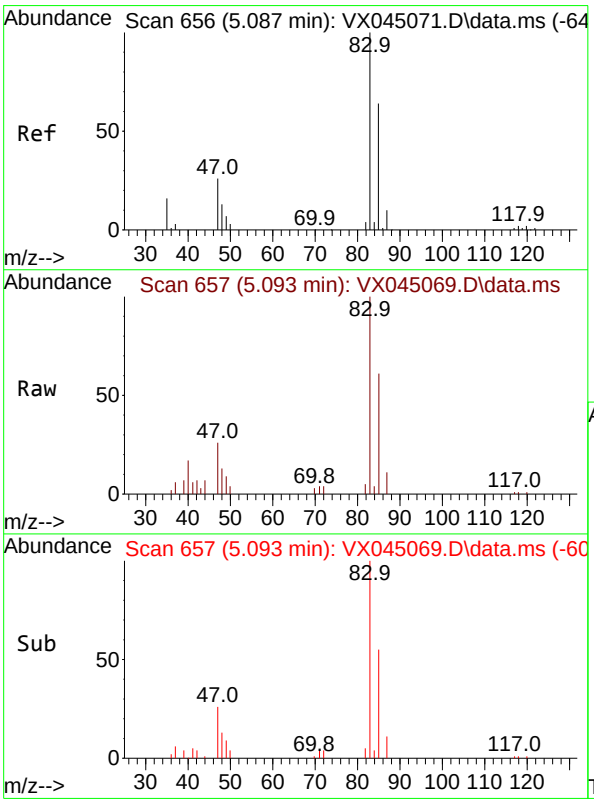
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20186

Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

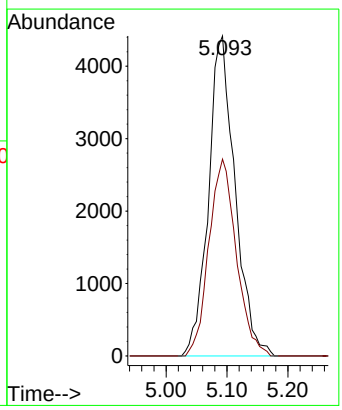


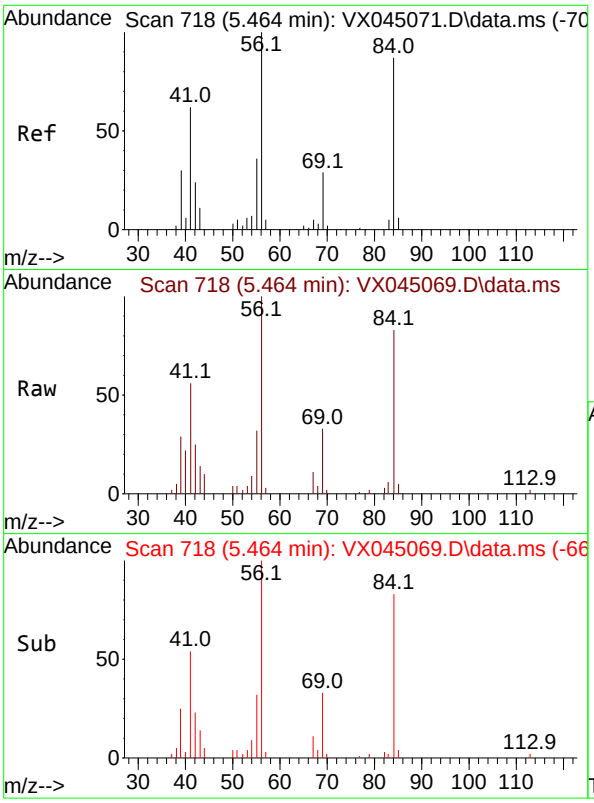


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



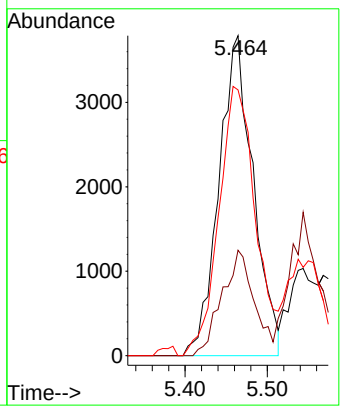


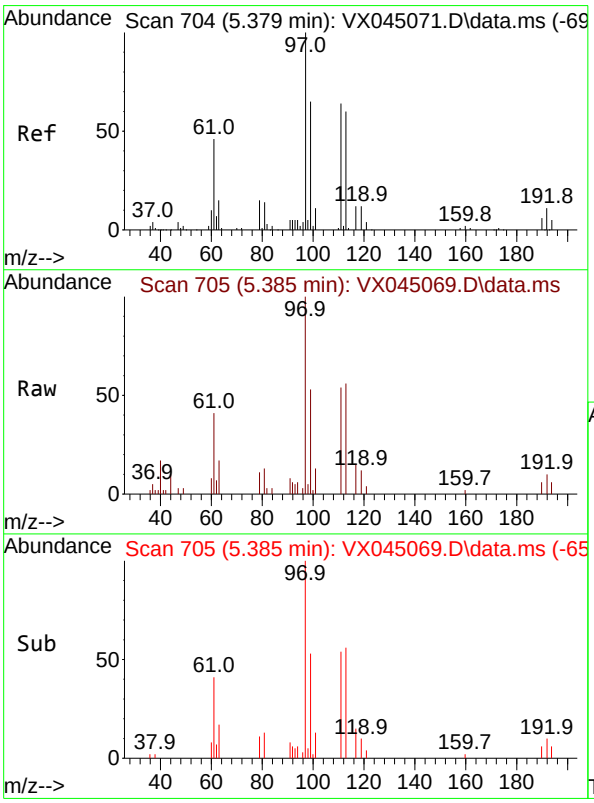
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 10968

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

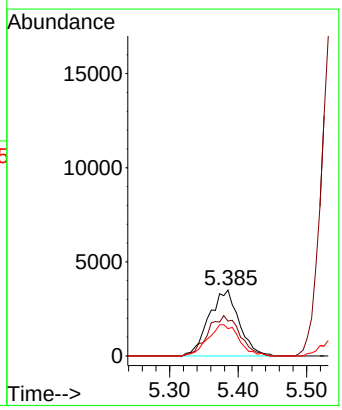


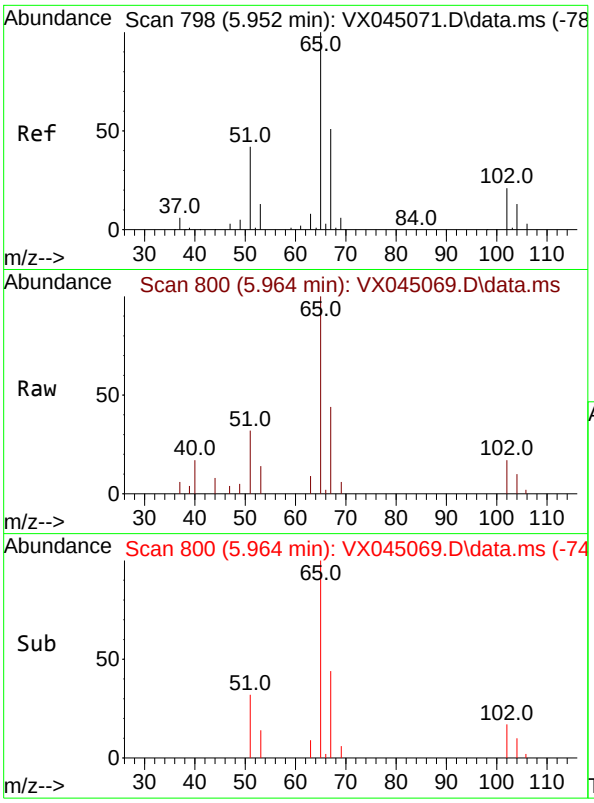


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6



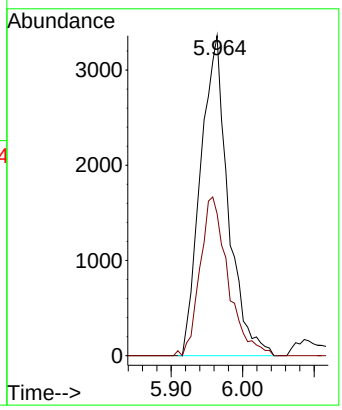


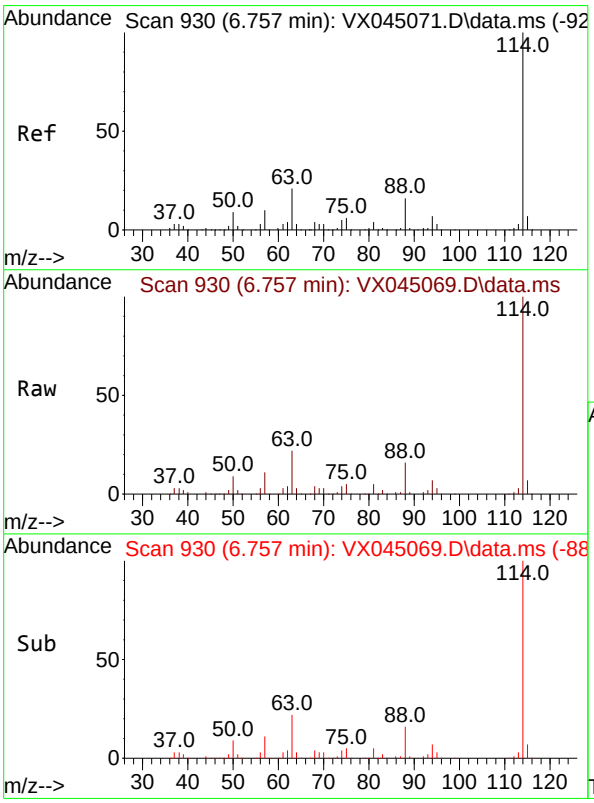
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

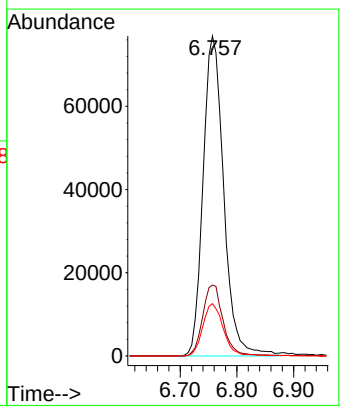


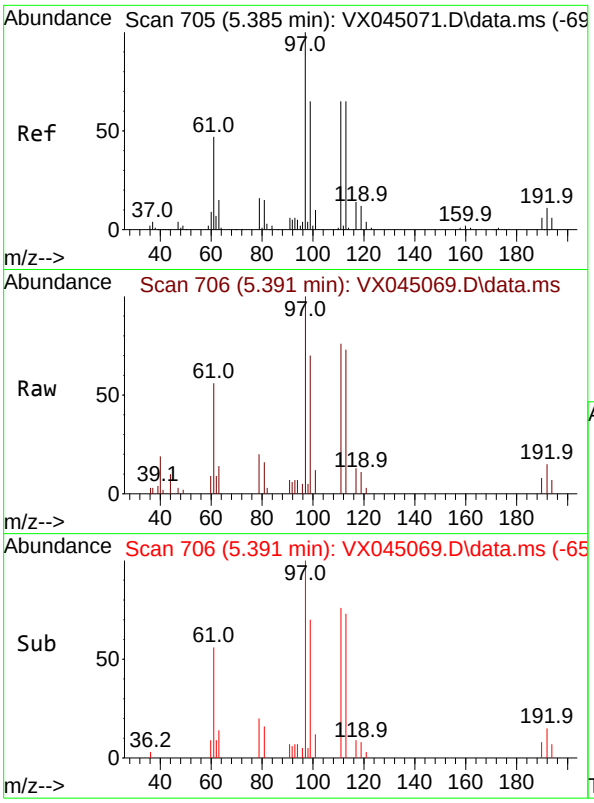


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8



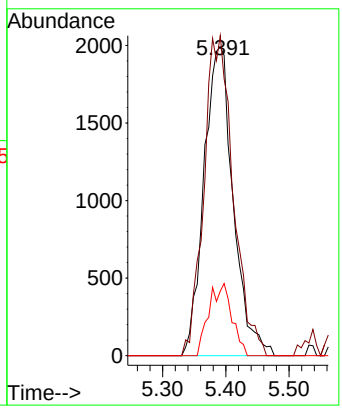


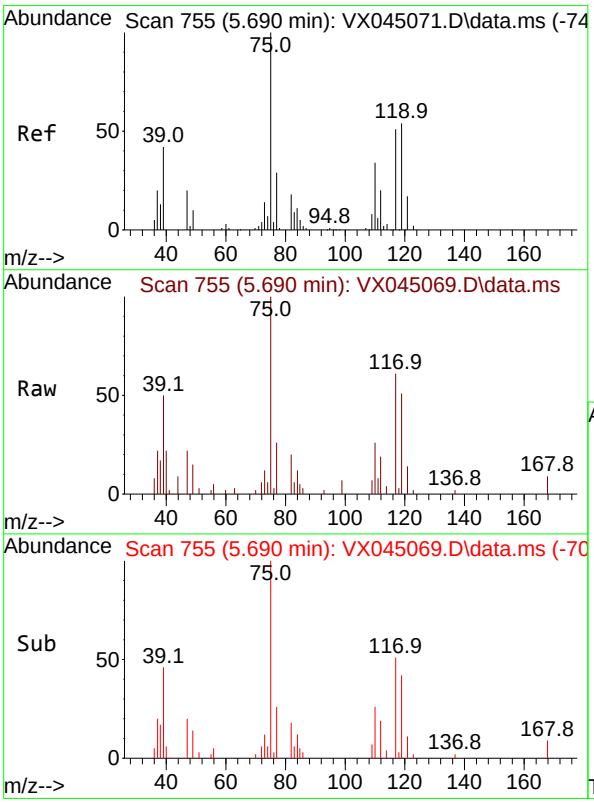
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 6398

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

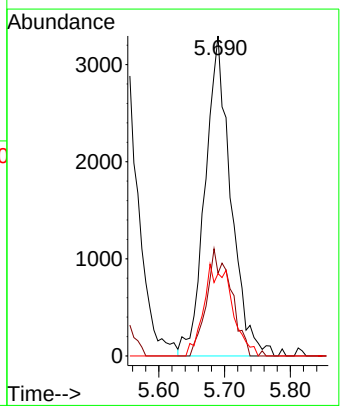


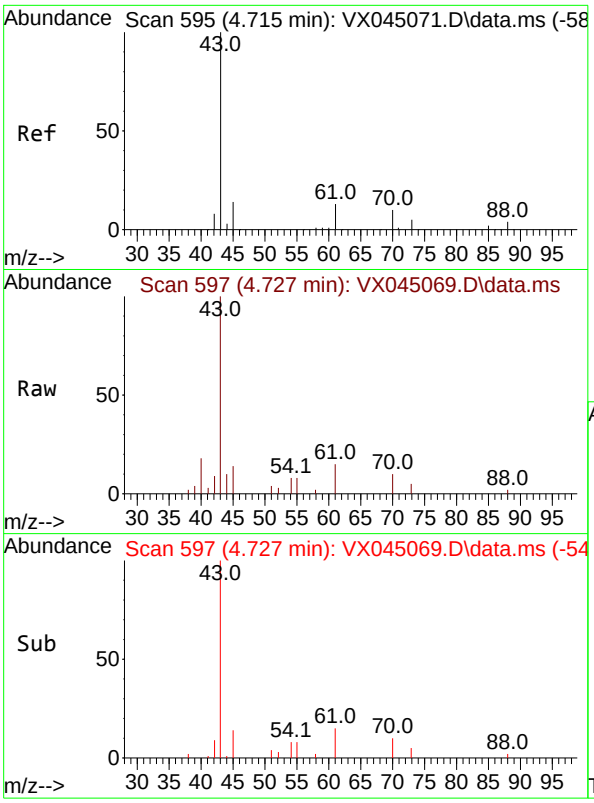


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#



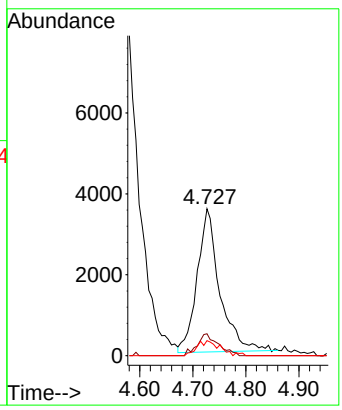


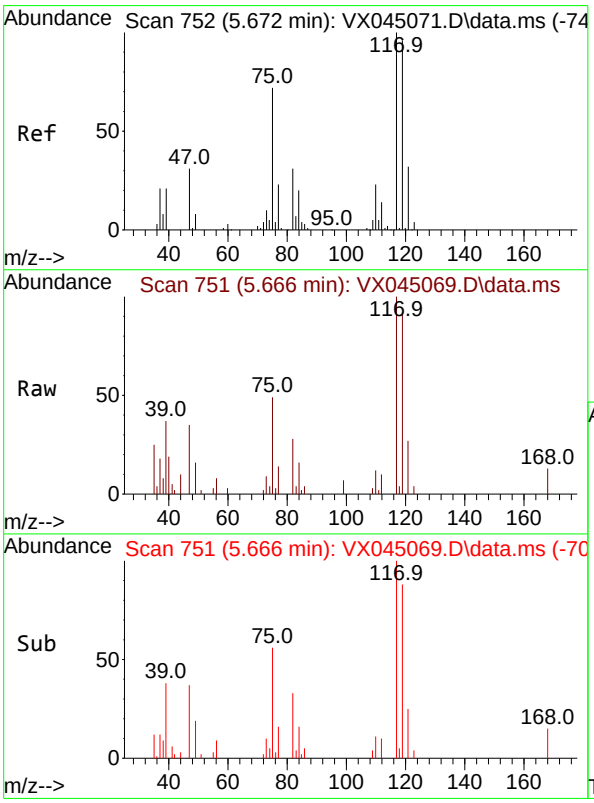
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 10459

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

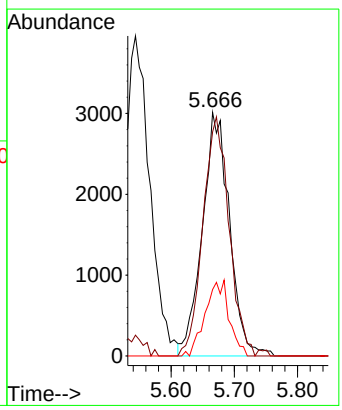


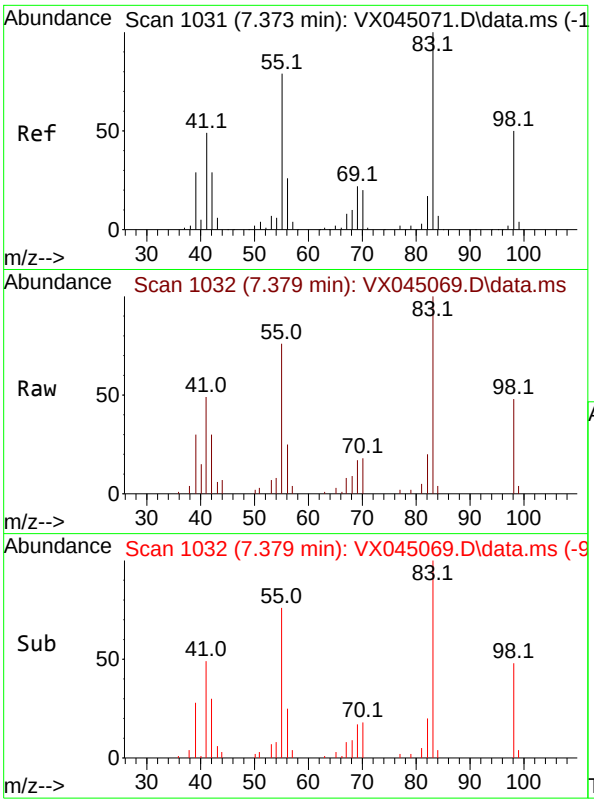


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3



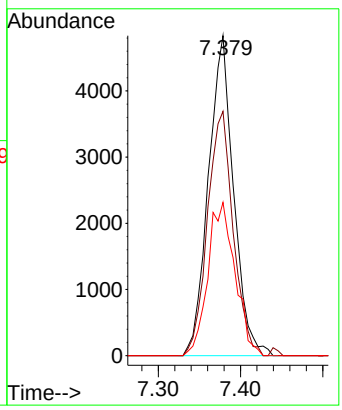


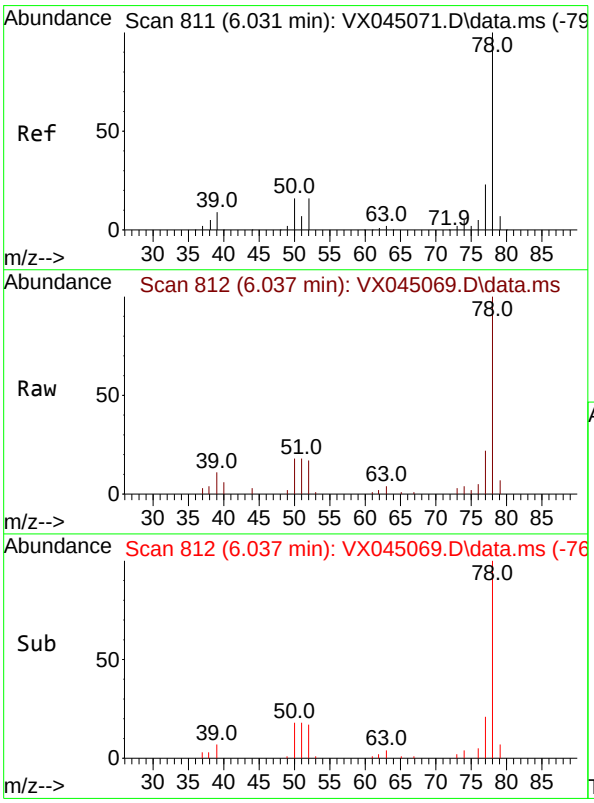
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10291

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5

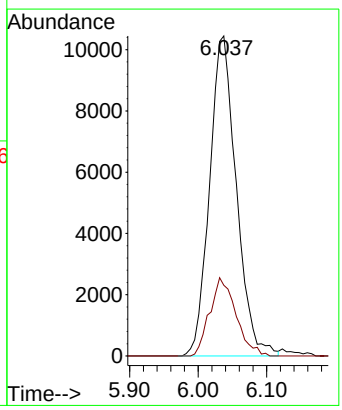


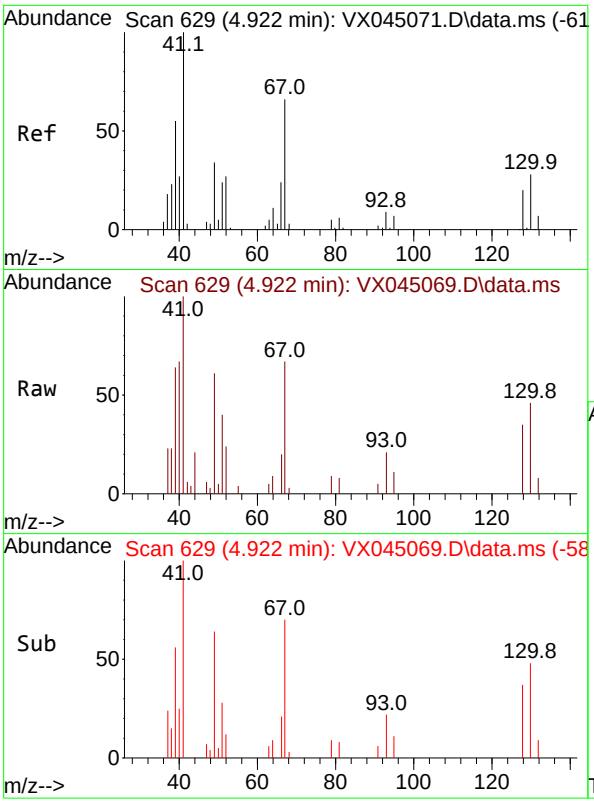


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



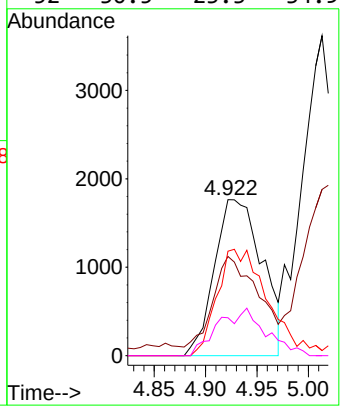


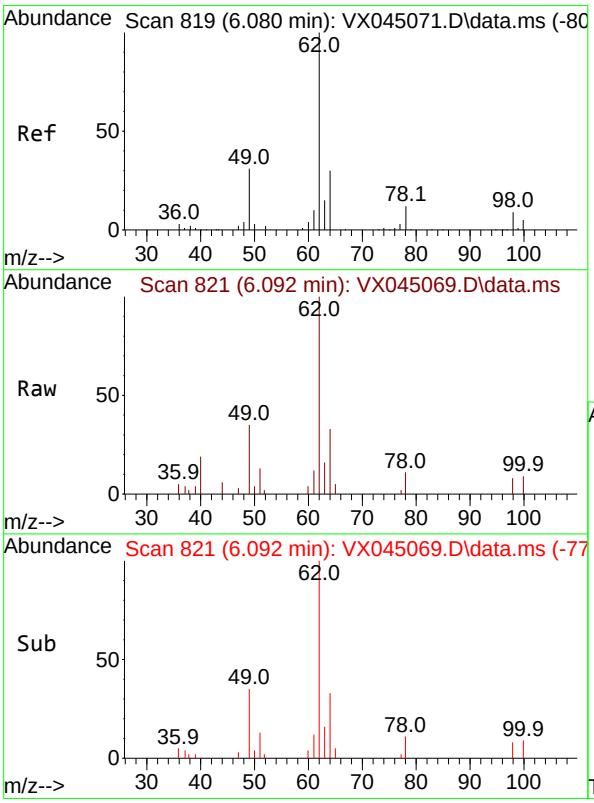
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5700

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9

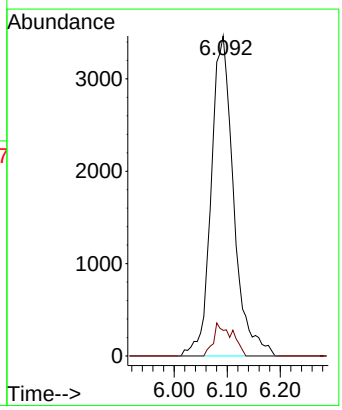


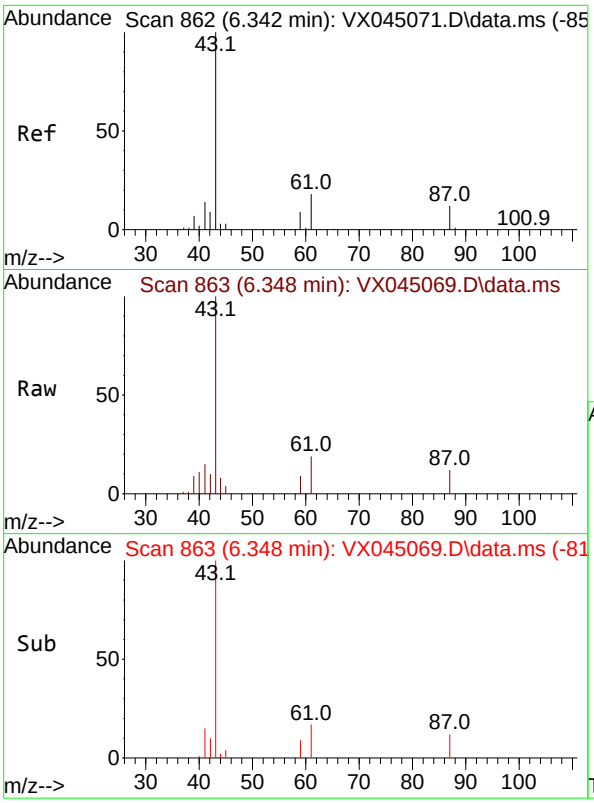


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



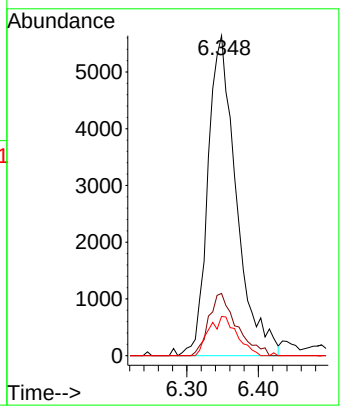


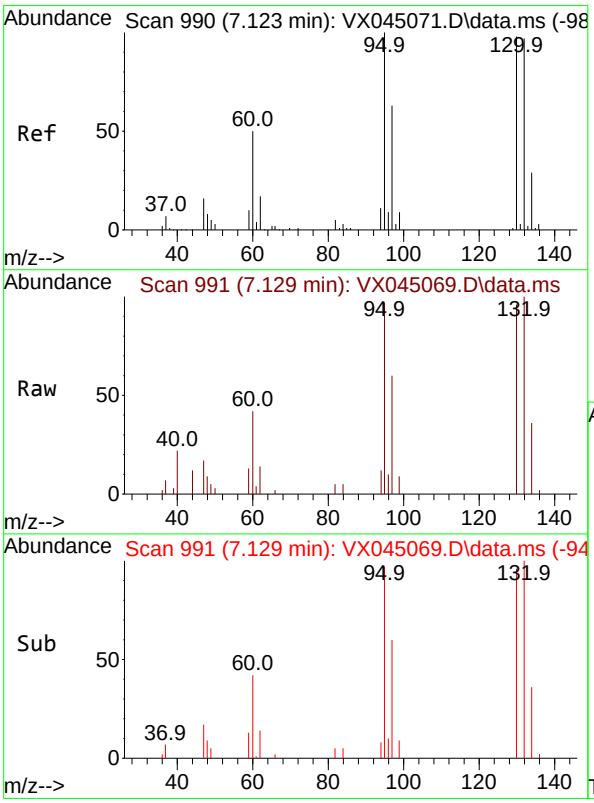
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15543

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2

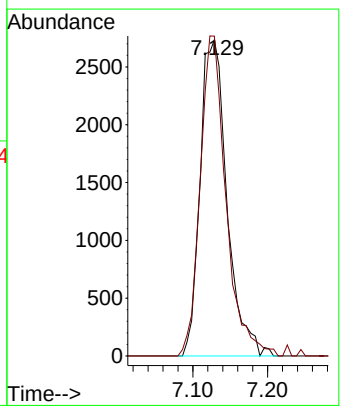


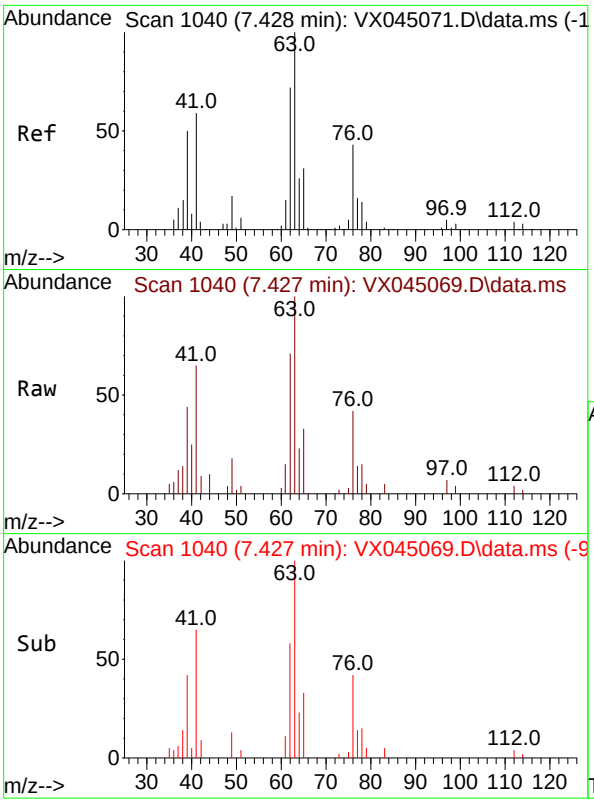


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



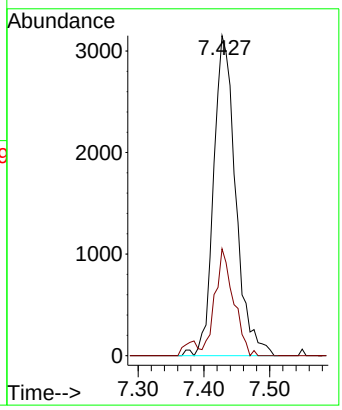


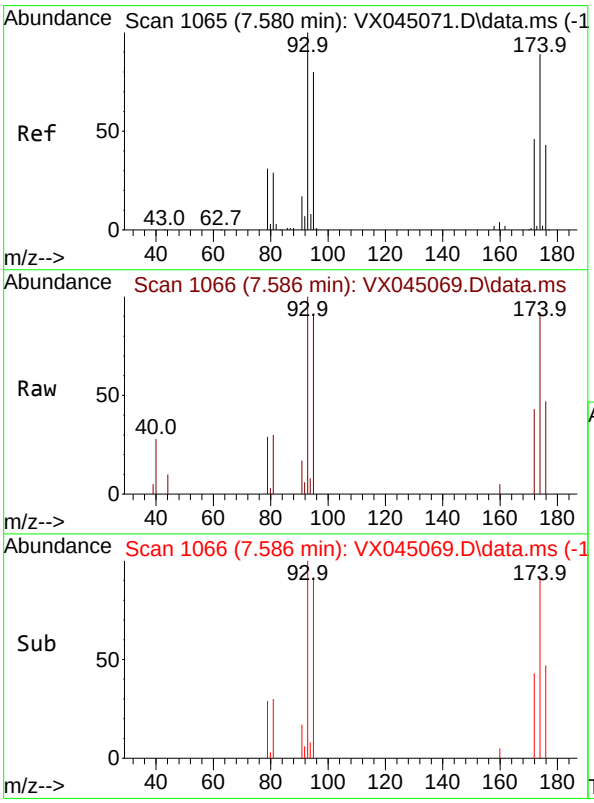
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

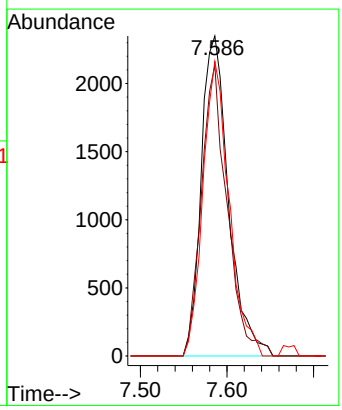


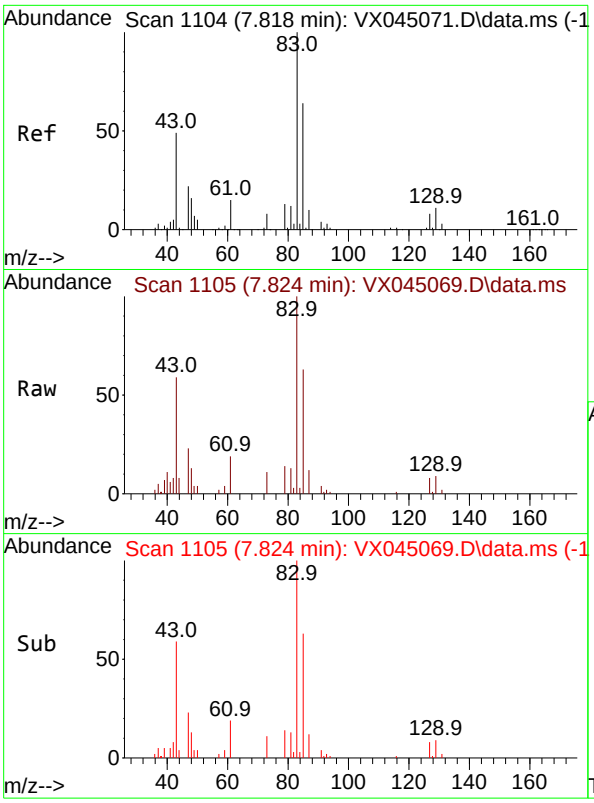


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2



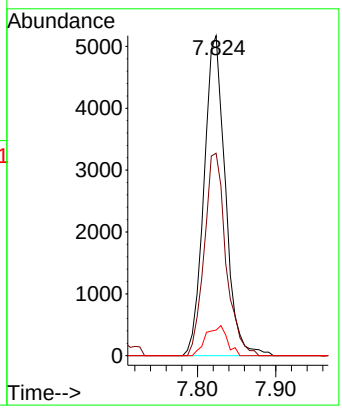


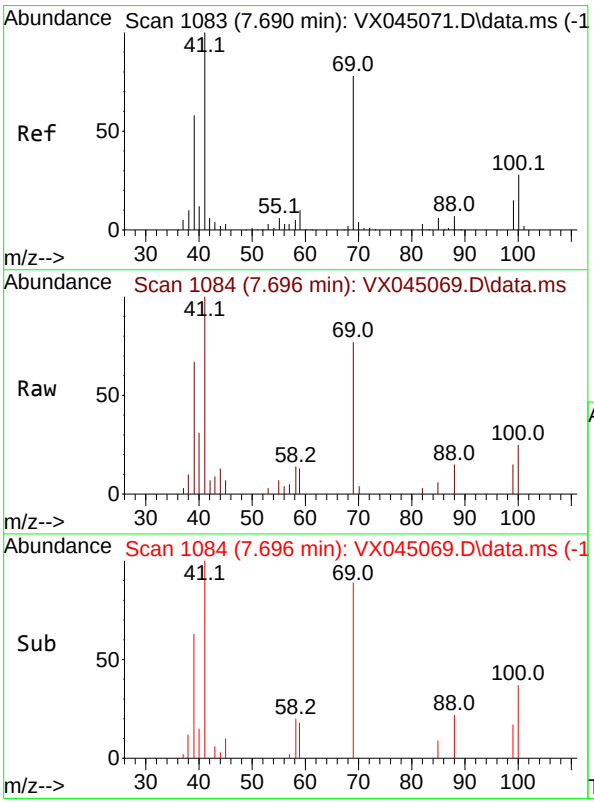
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9773

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

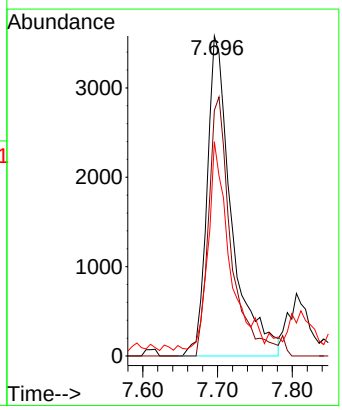


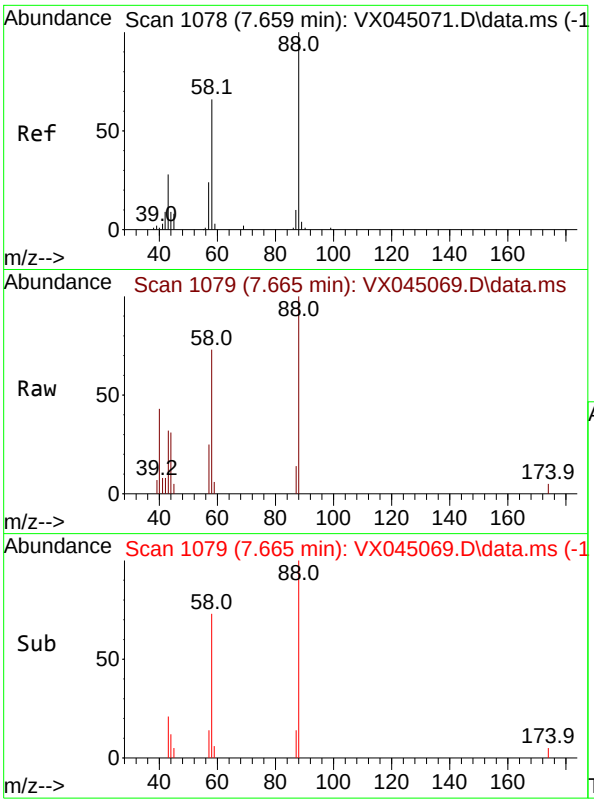


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3



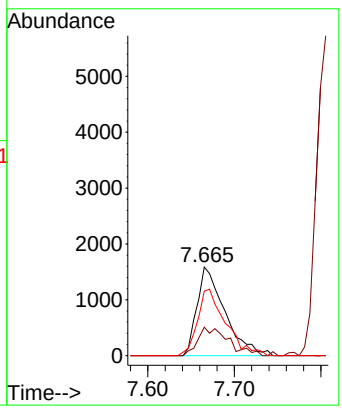


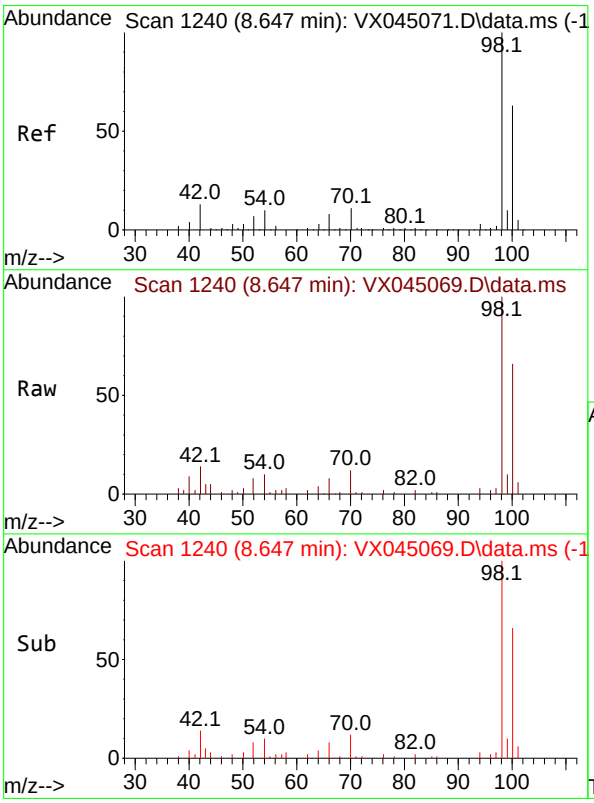
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3531

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

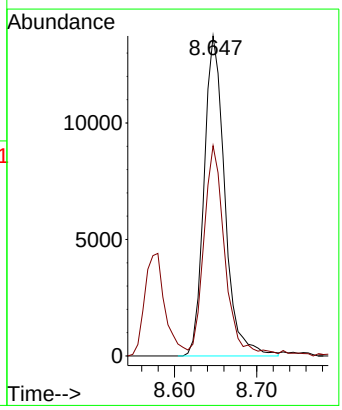


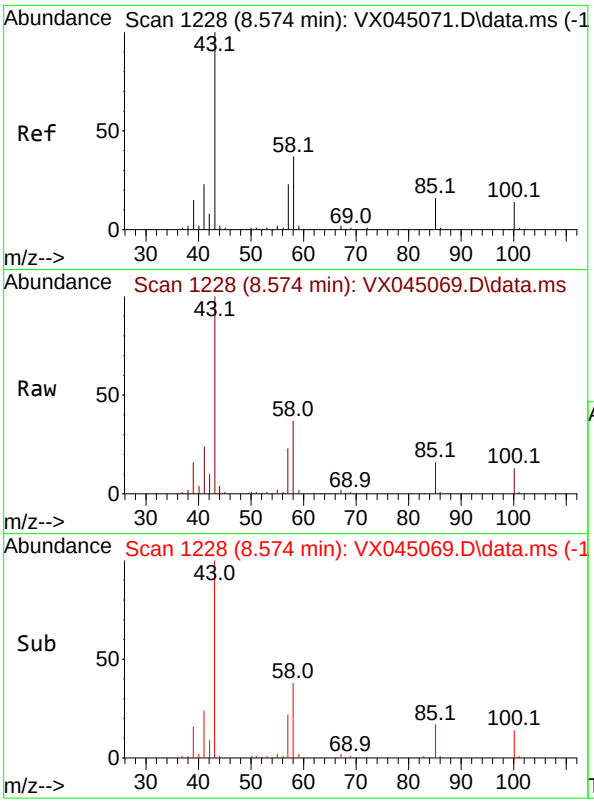


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



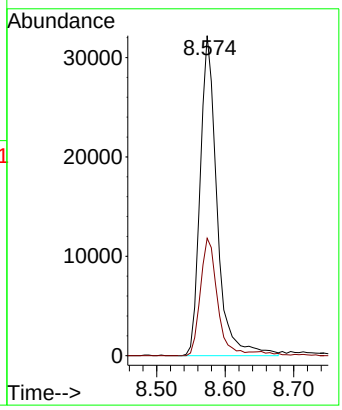


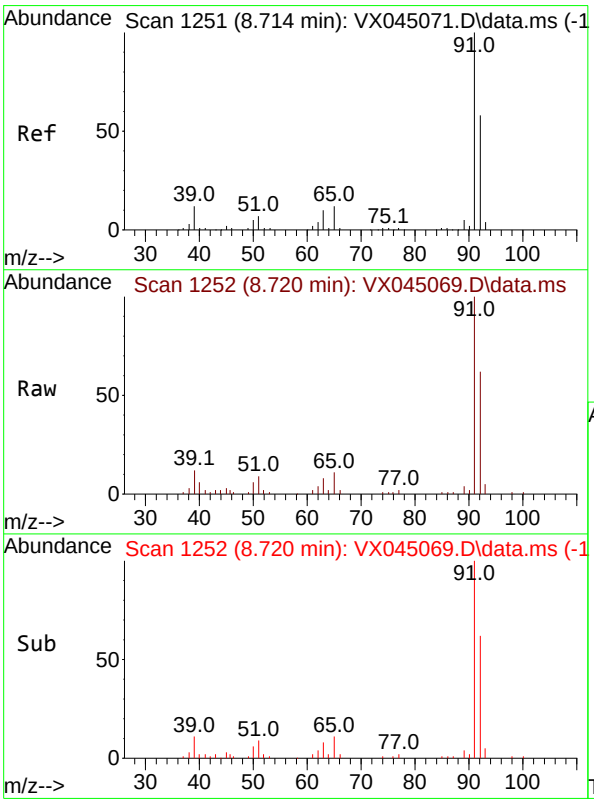
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

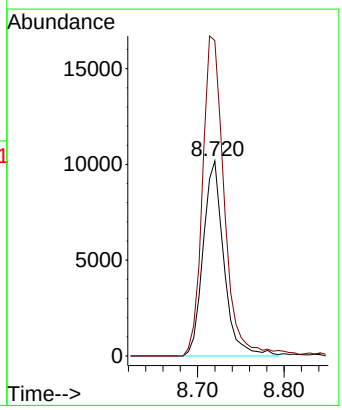


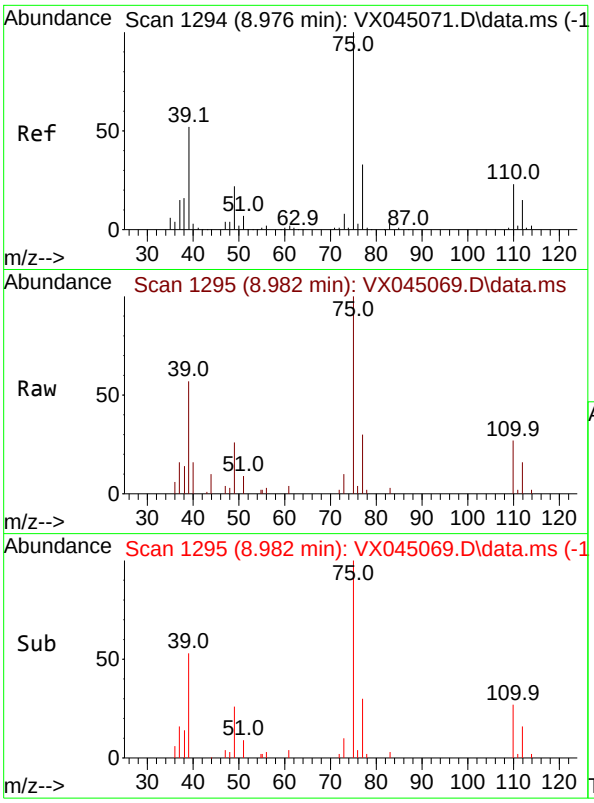


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



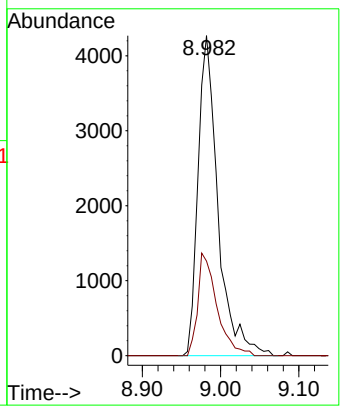


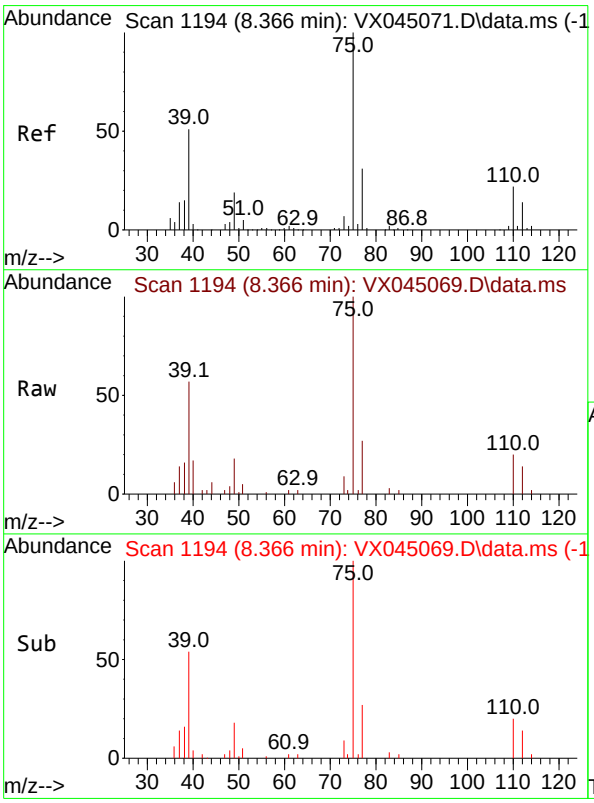
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

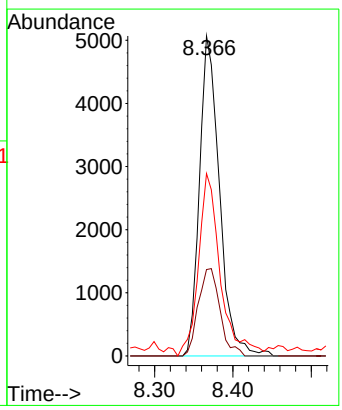


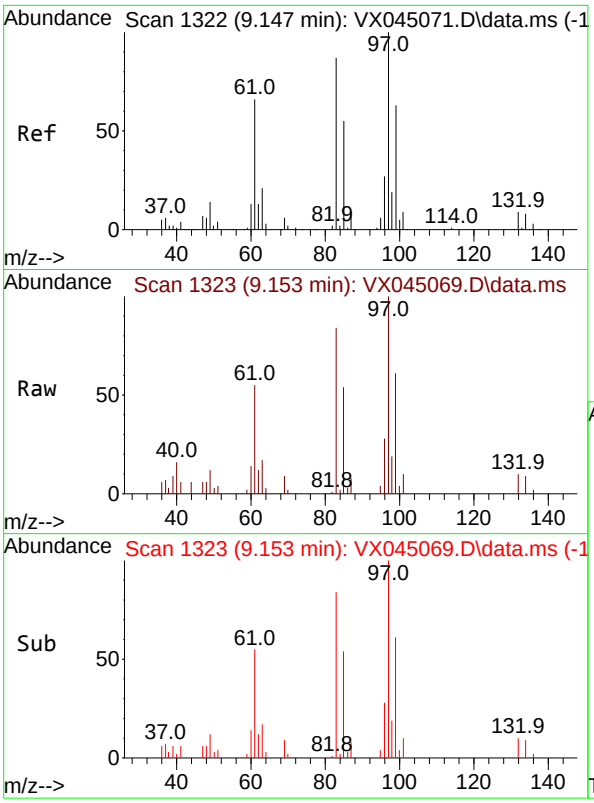


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1



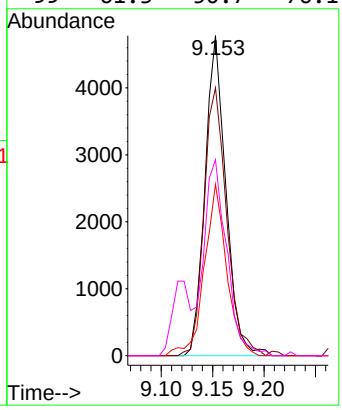


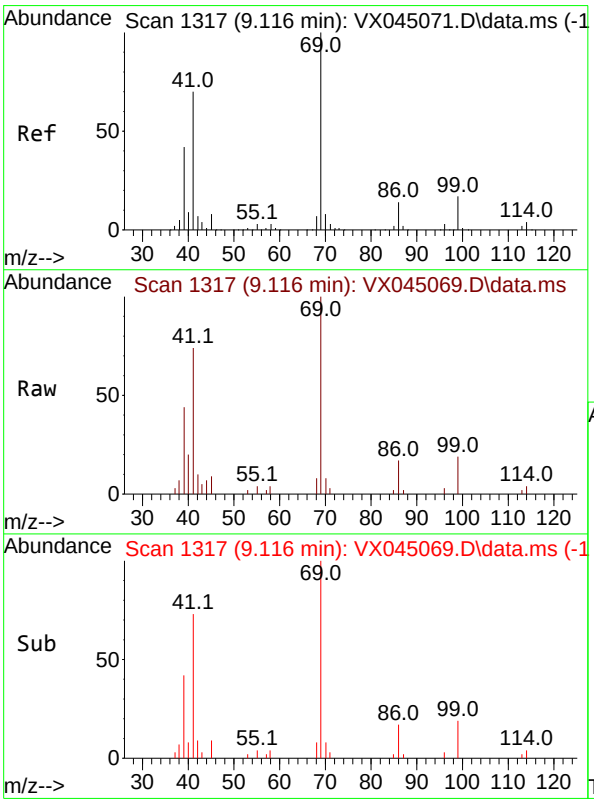
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 6759

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1

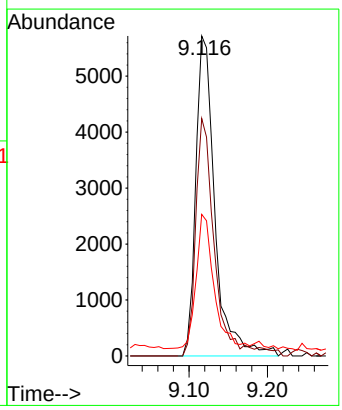


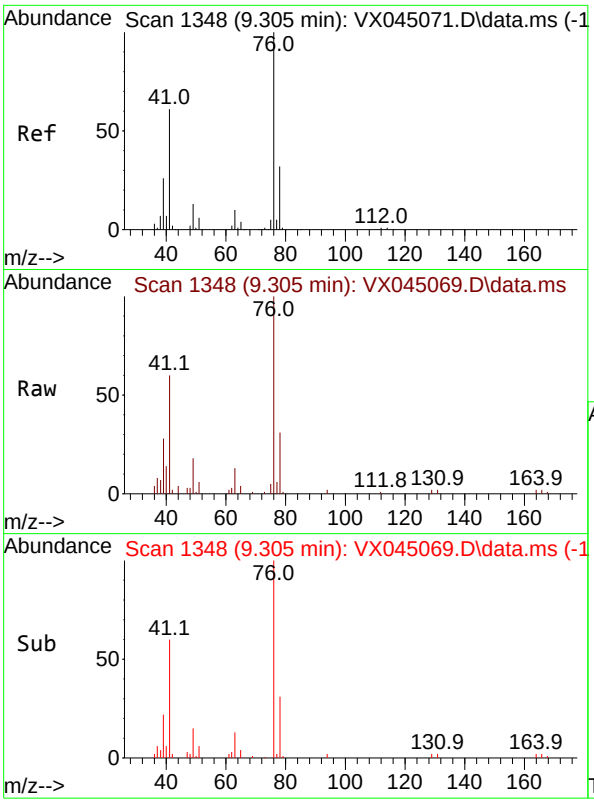


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4



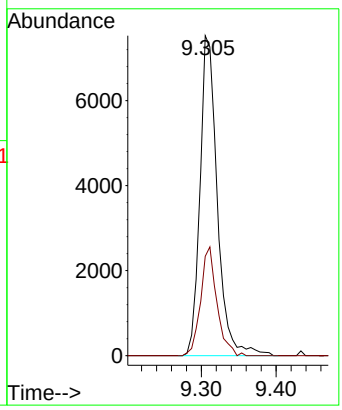


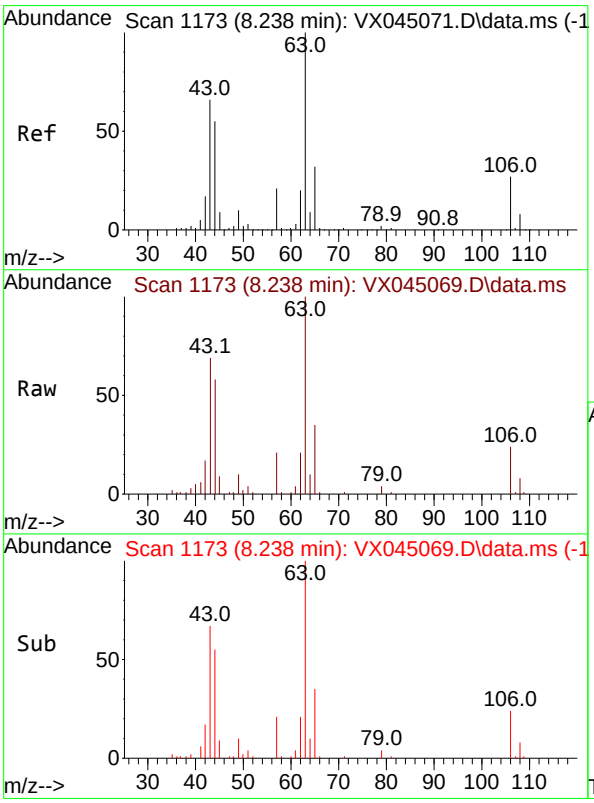
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

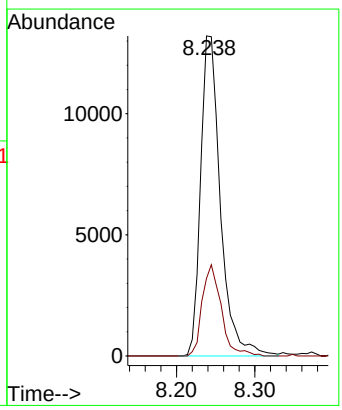


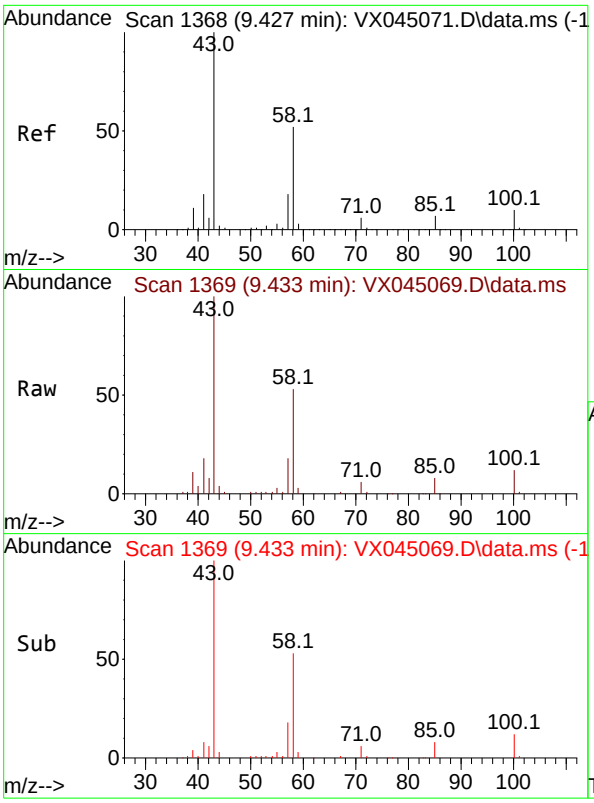


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



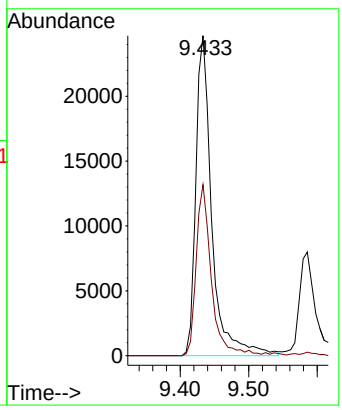


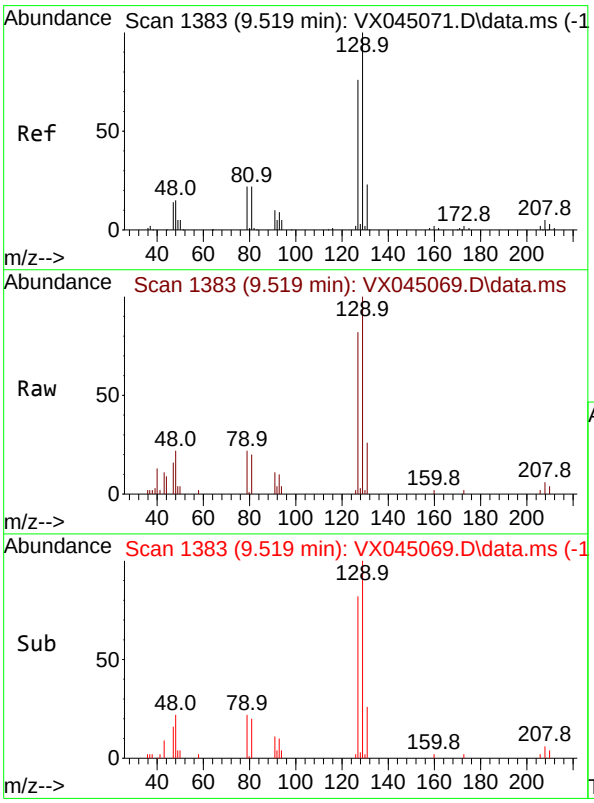
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

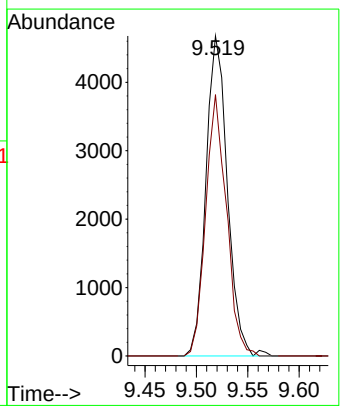


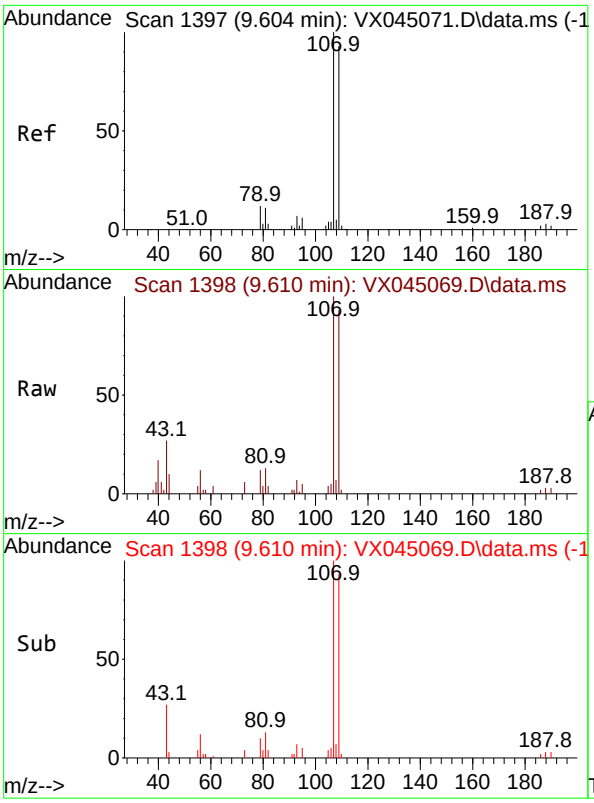


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



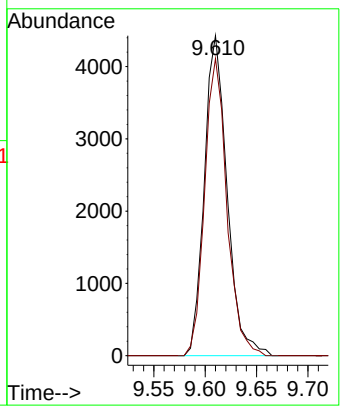


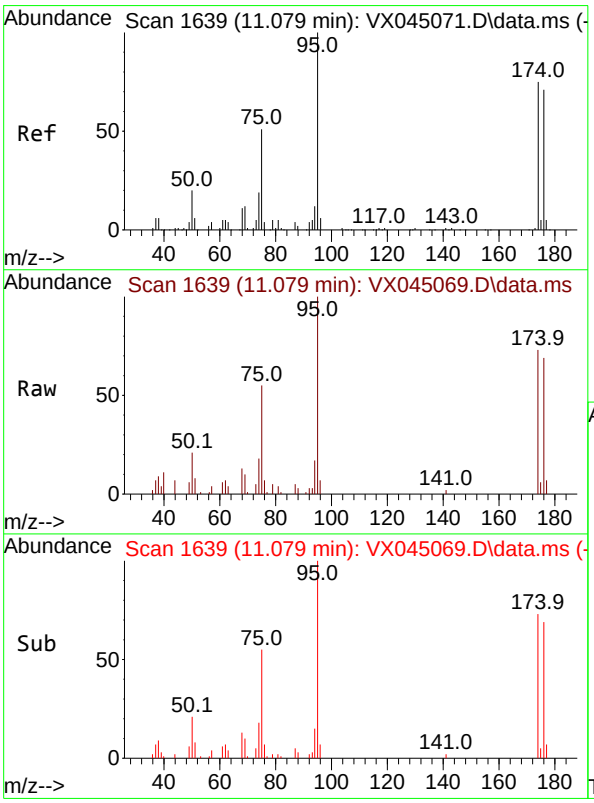
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

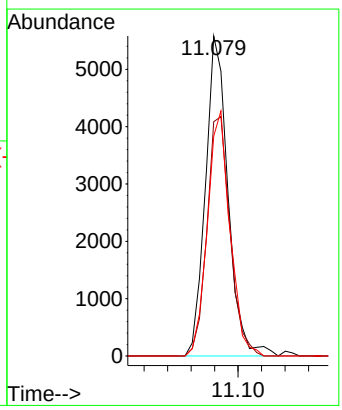


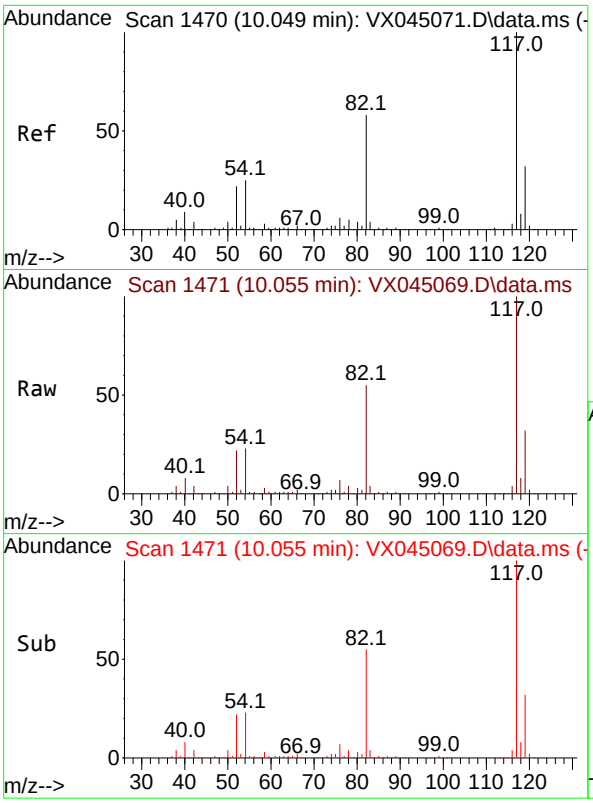


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4



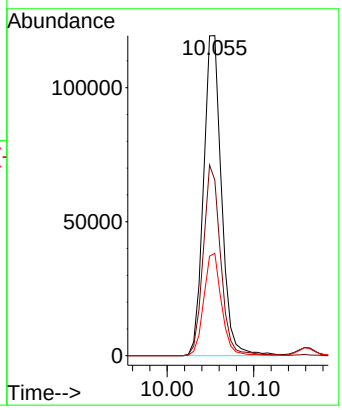


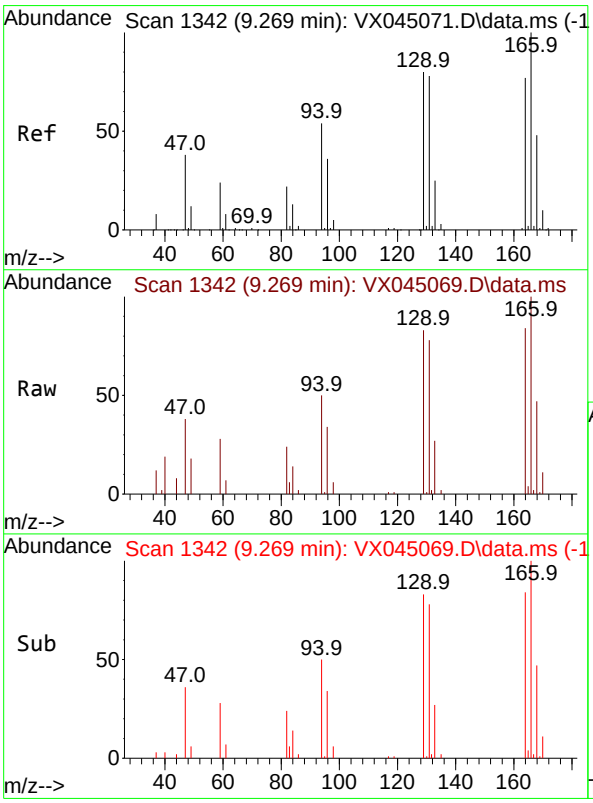
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 172367

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5

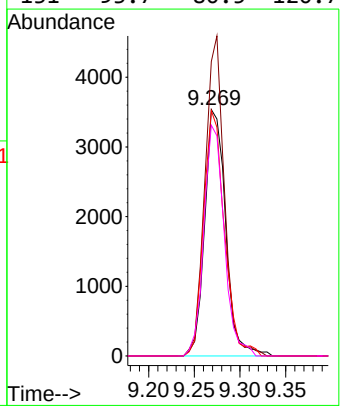


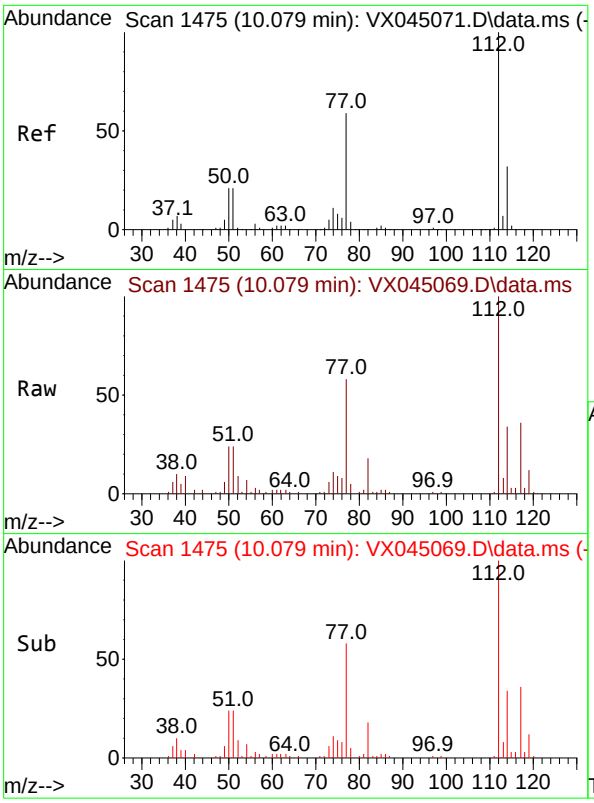


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7



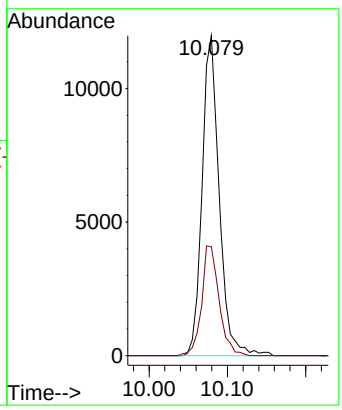


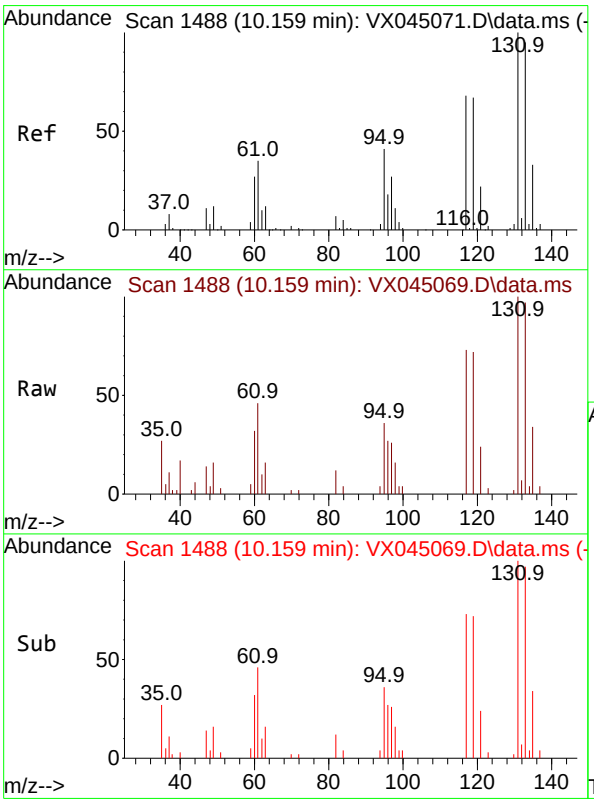
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

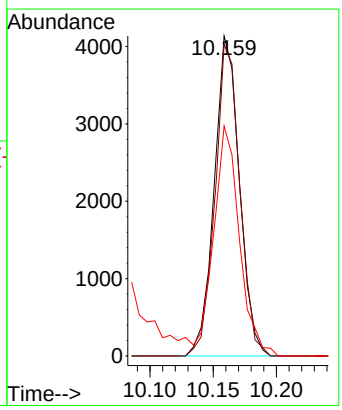


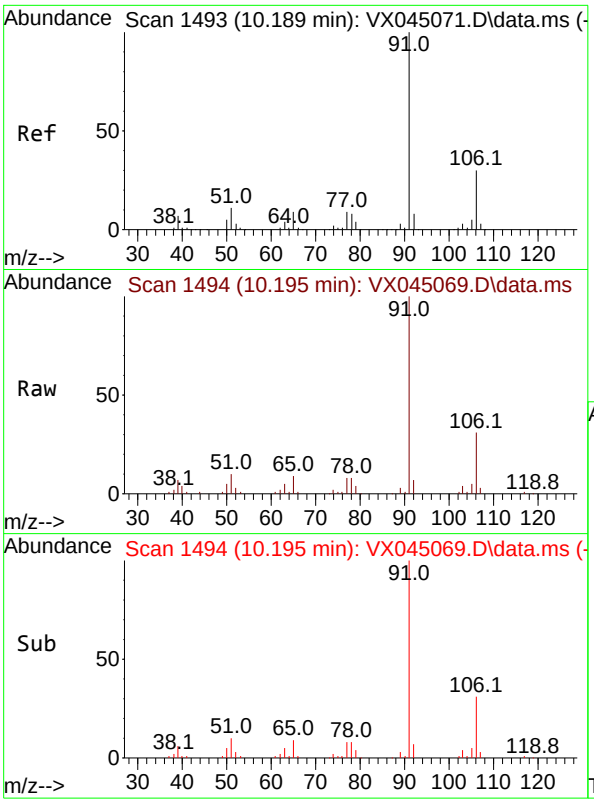


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7



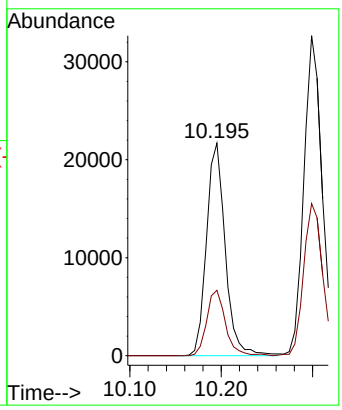


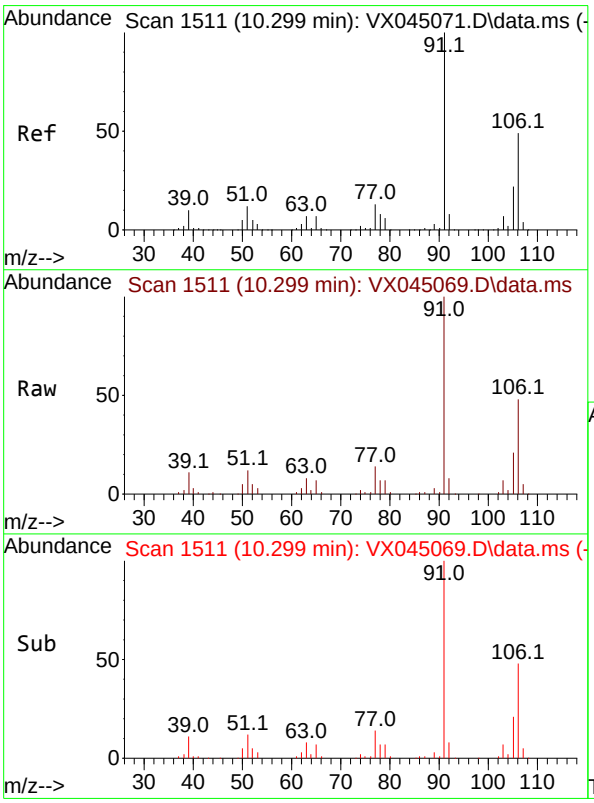
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

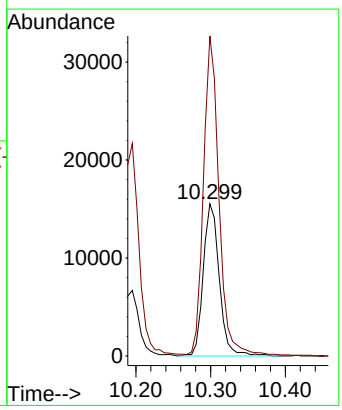


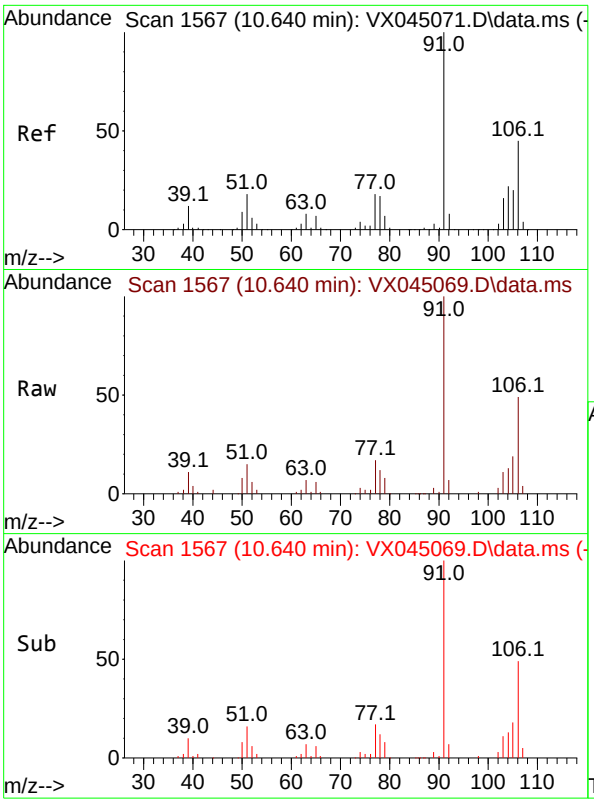


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



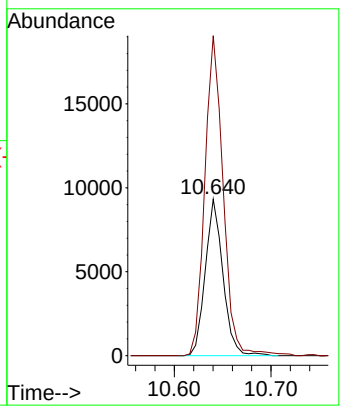


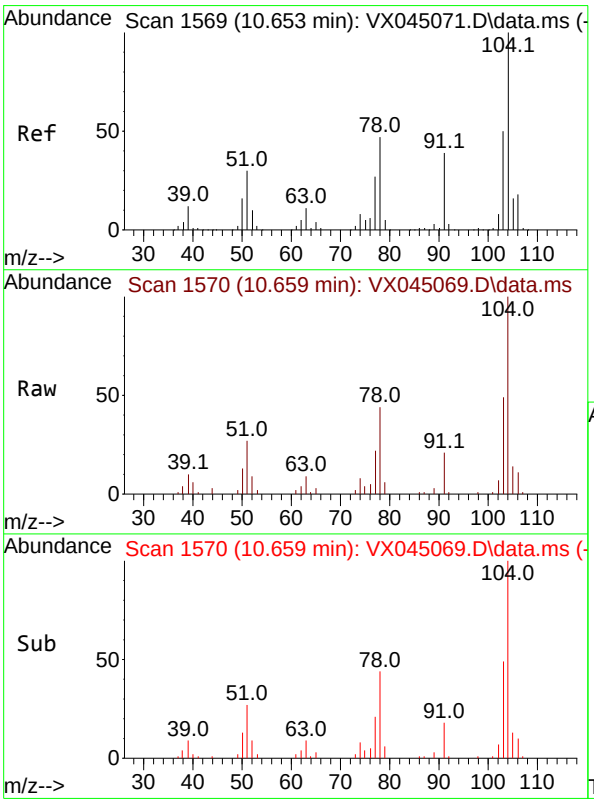
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

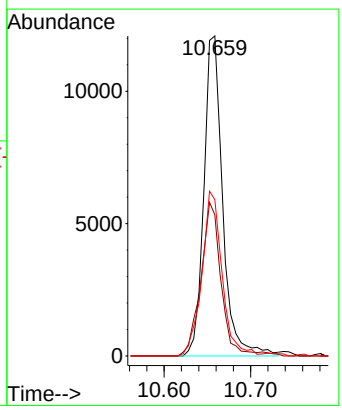


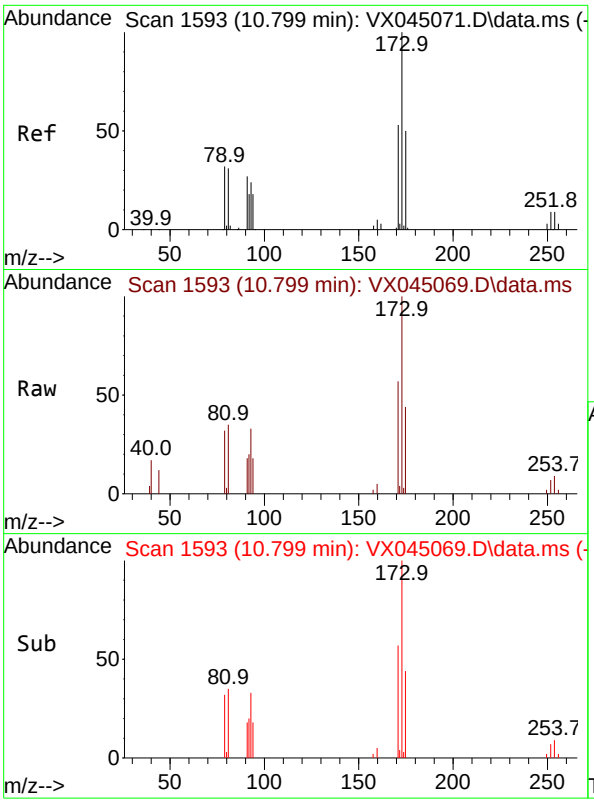


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8



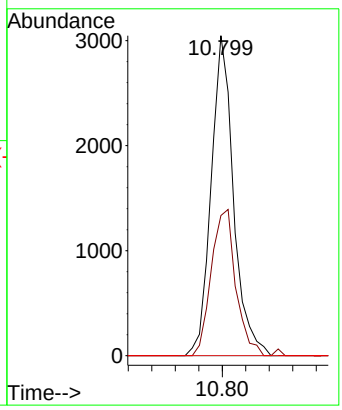


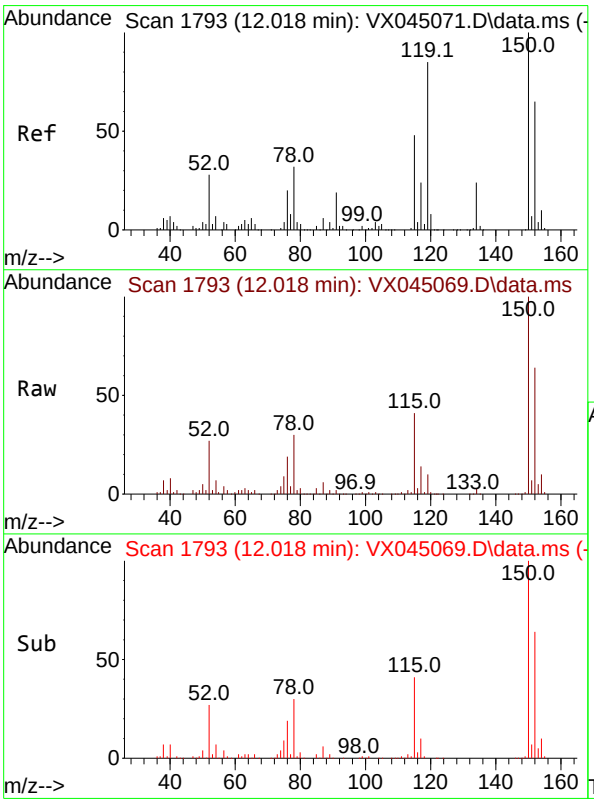
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4027

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0

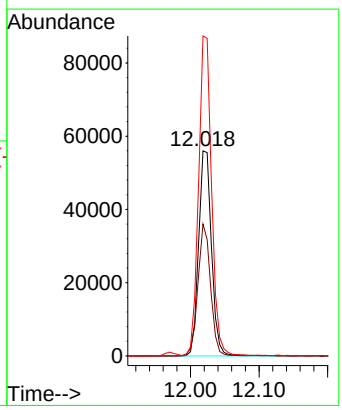


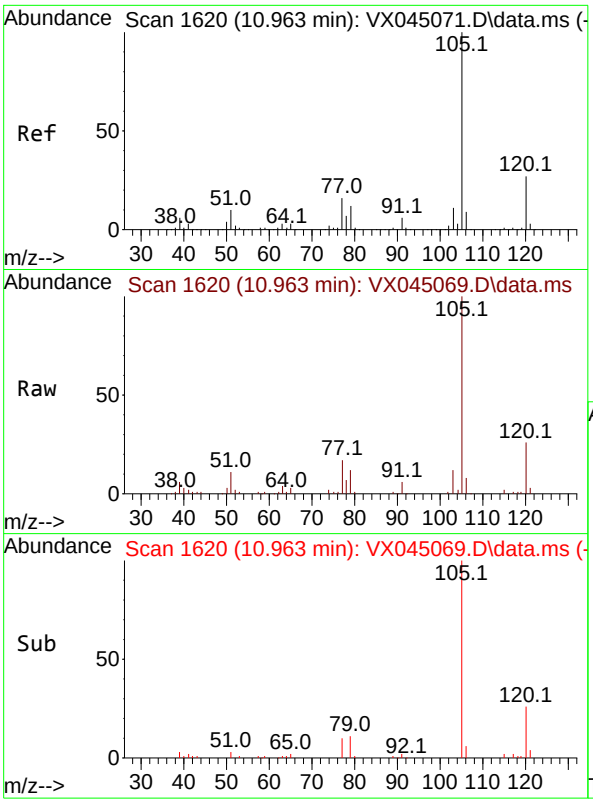


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0



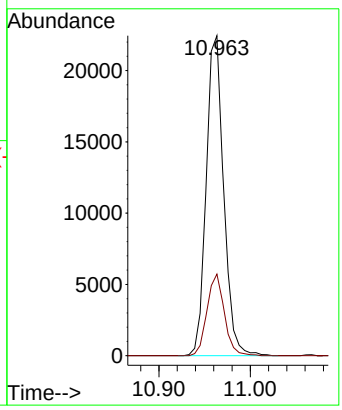


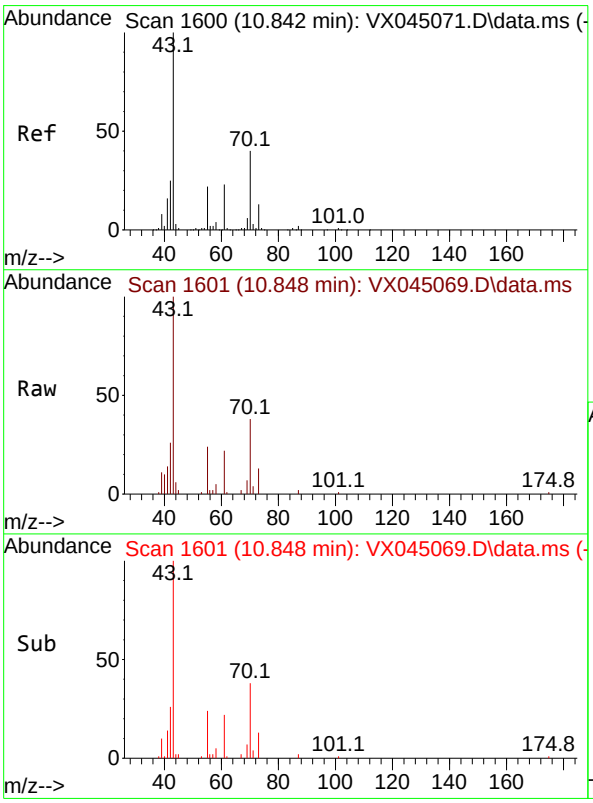
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

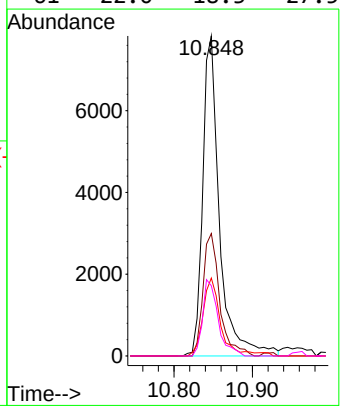


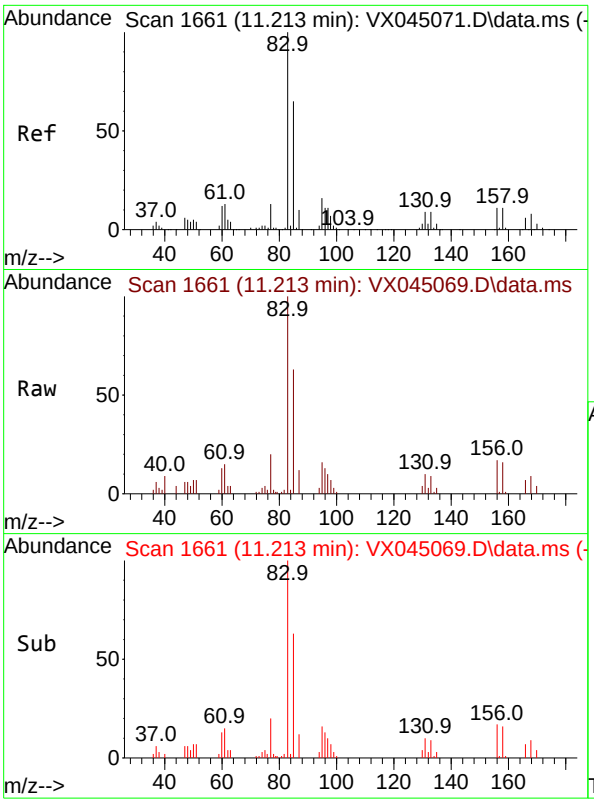


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5



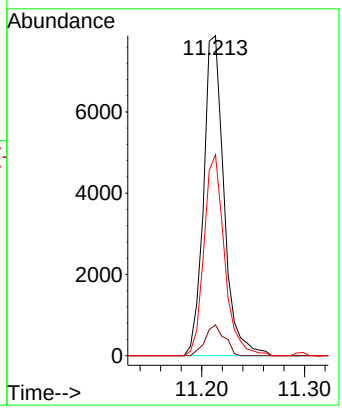


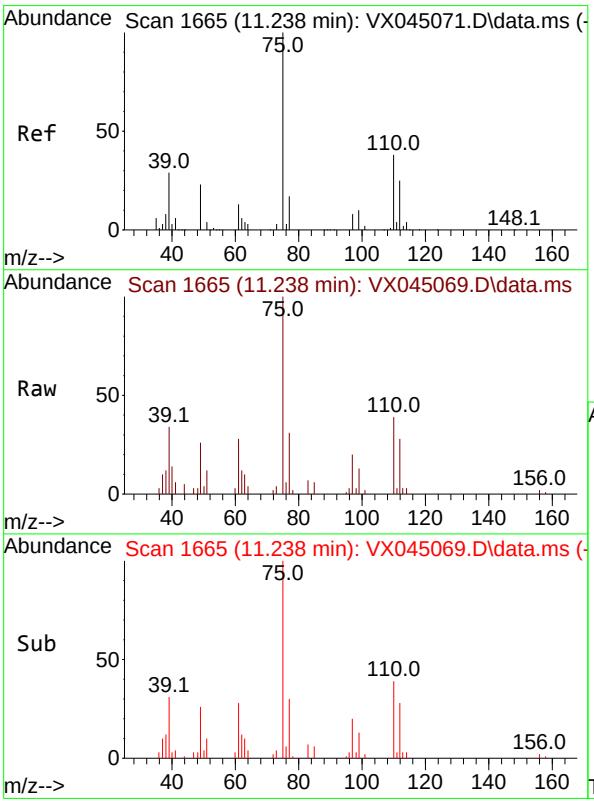
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10881

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1

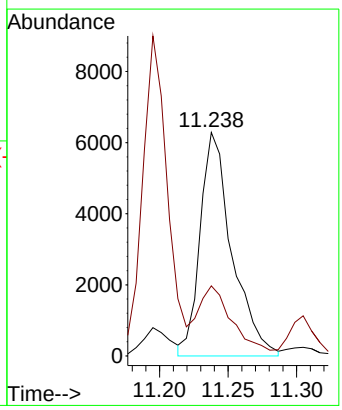


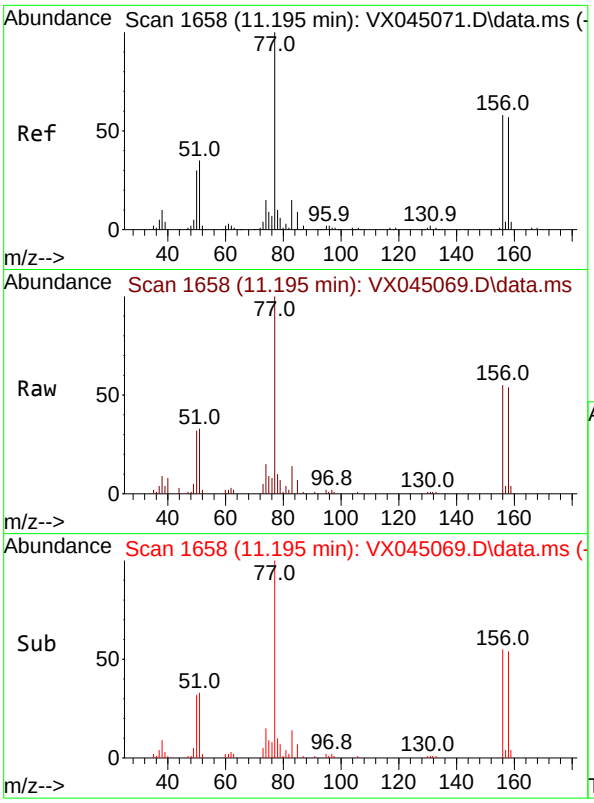


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



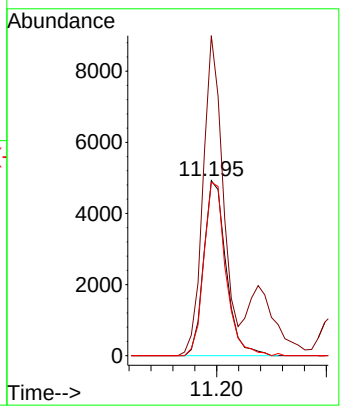


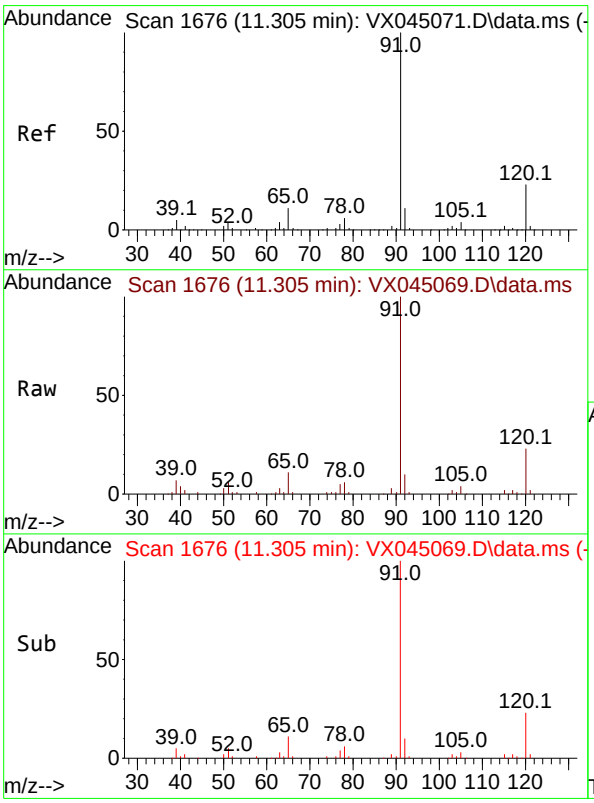
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 6970

Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2

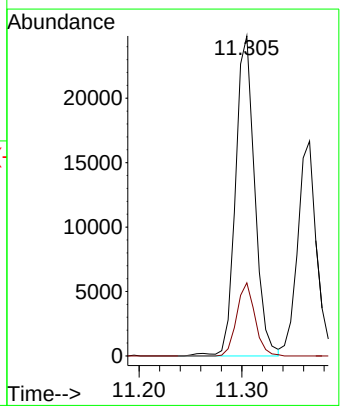


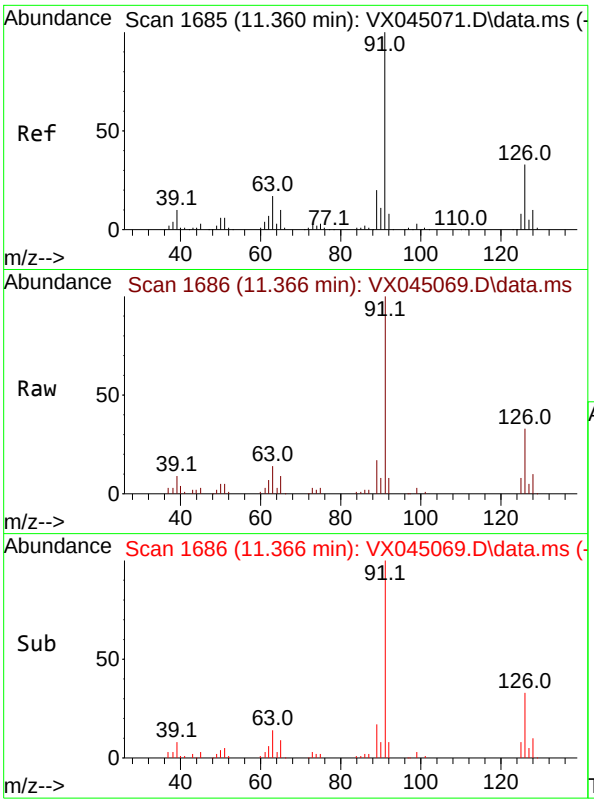


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



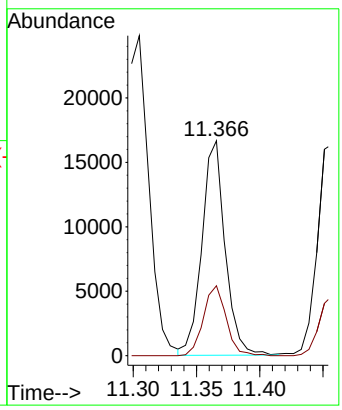


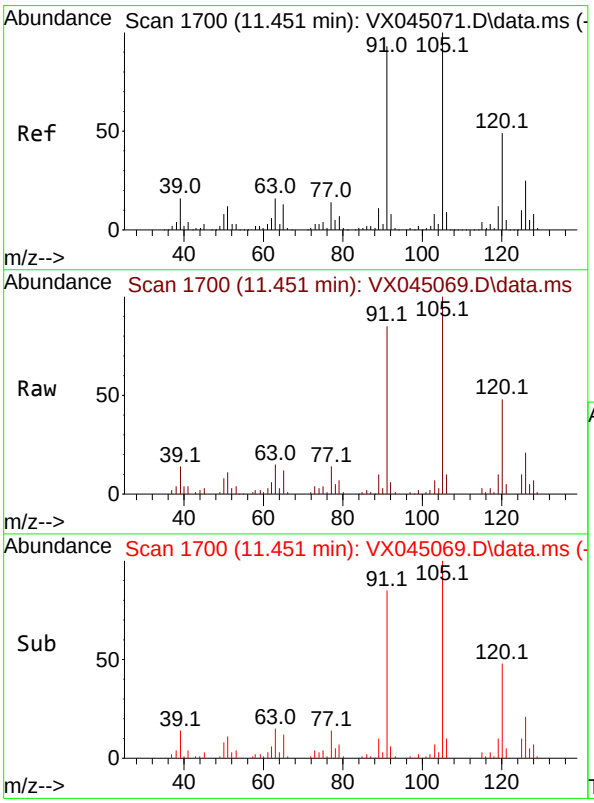
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

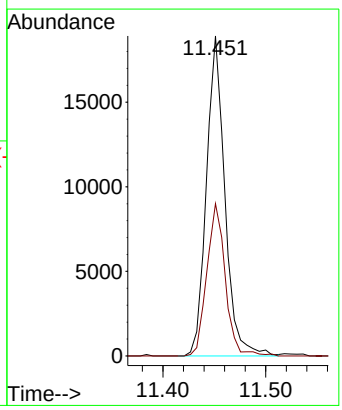


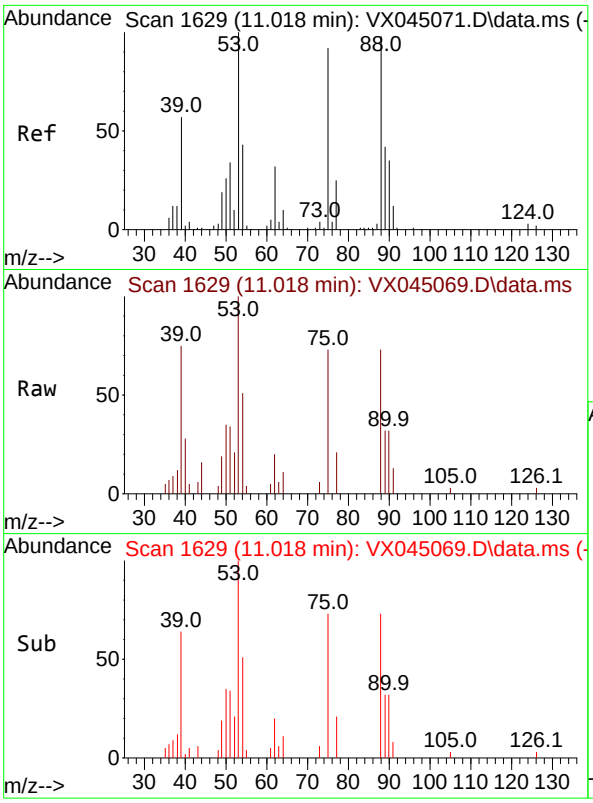


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



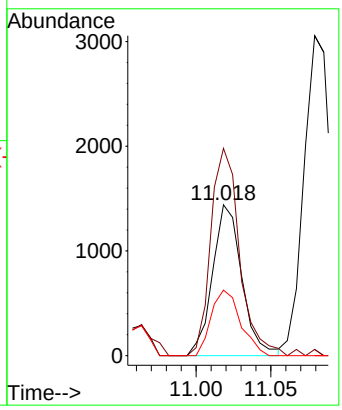


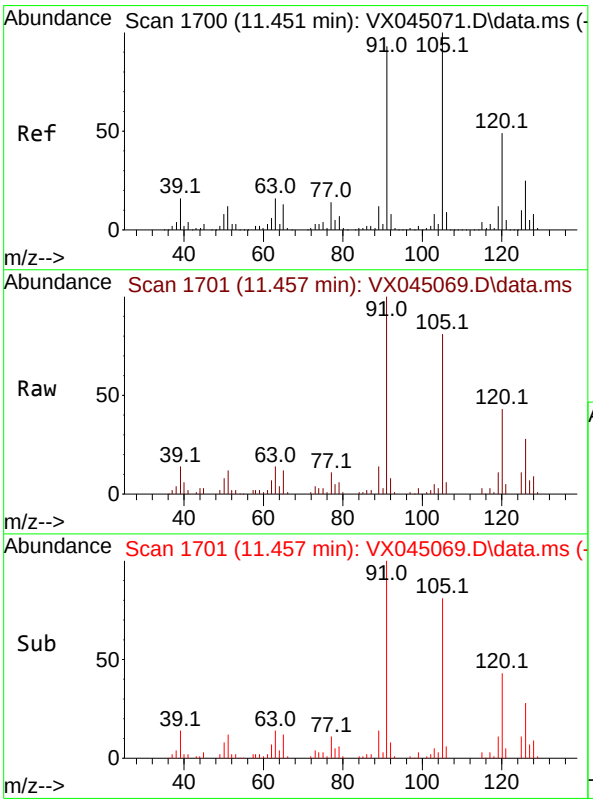
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1971

Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

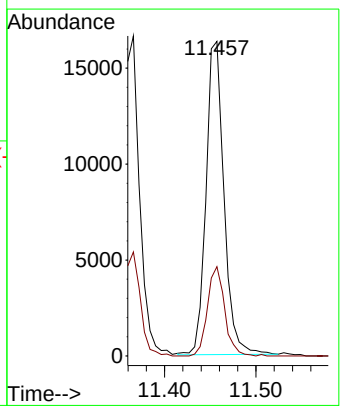


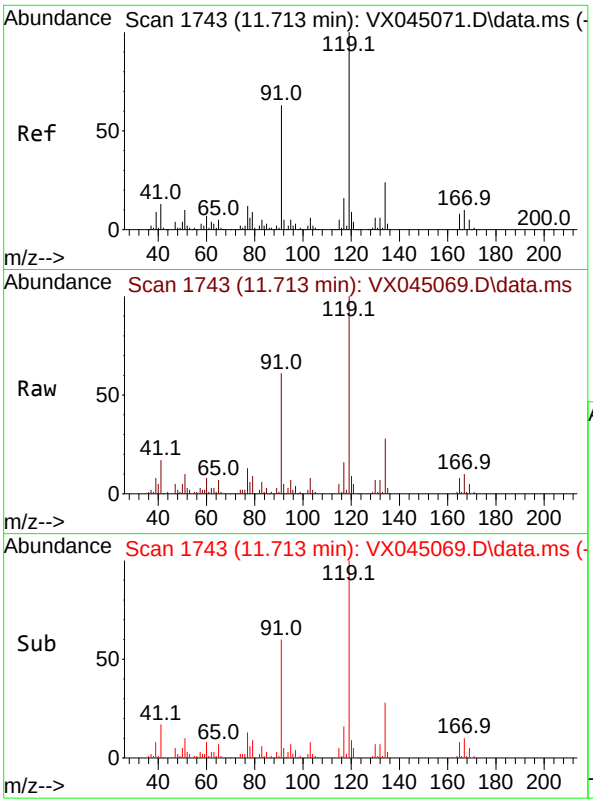


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



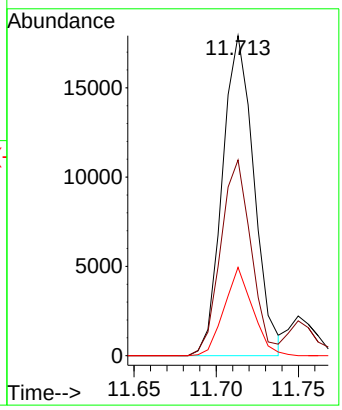


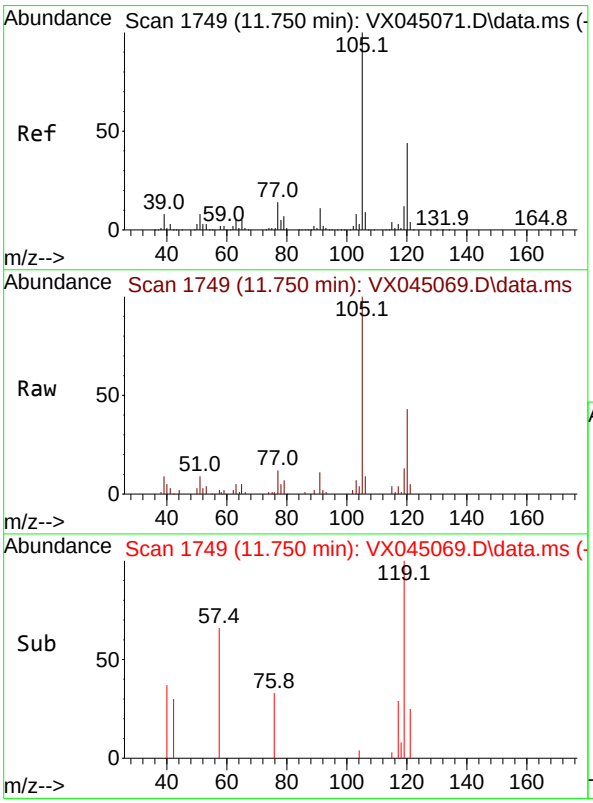
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 23960

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0

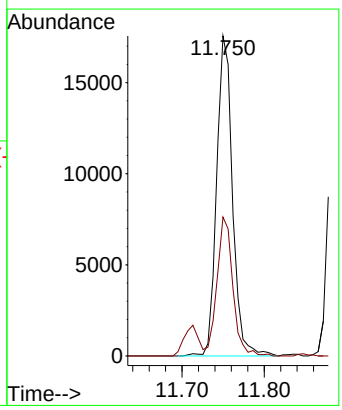


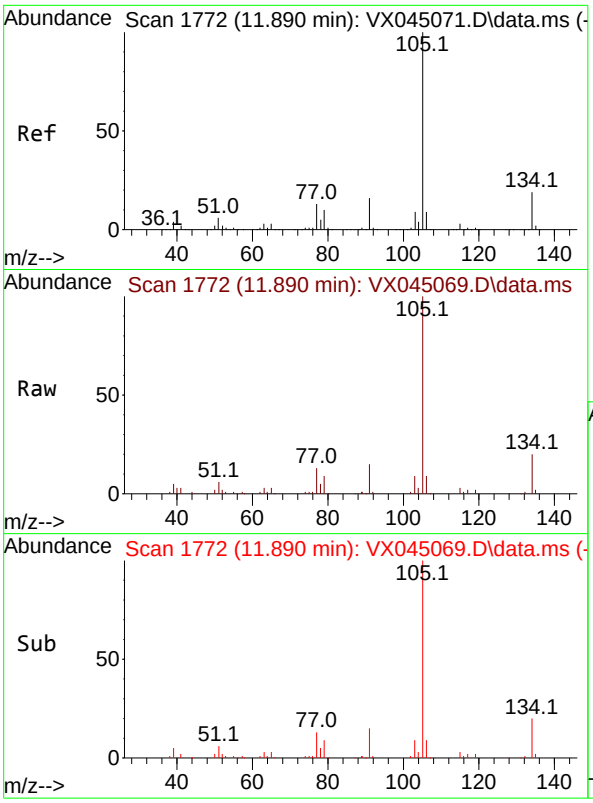


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



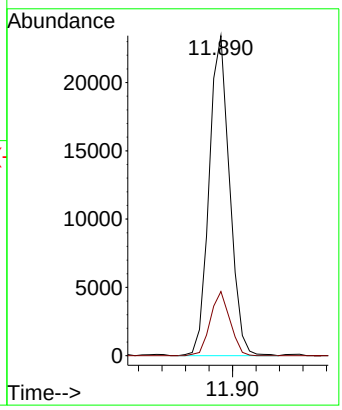


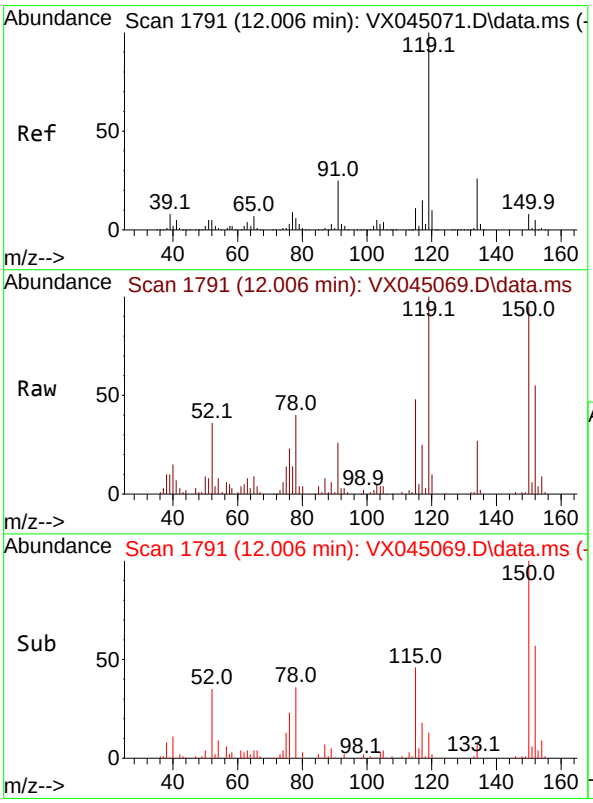
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

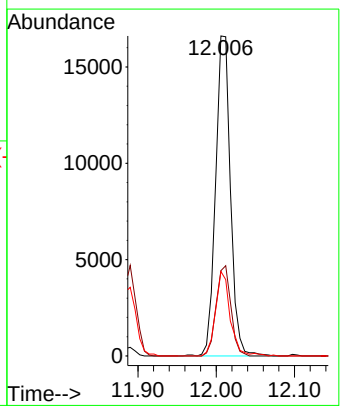


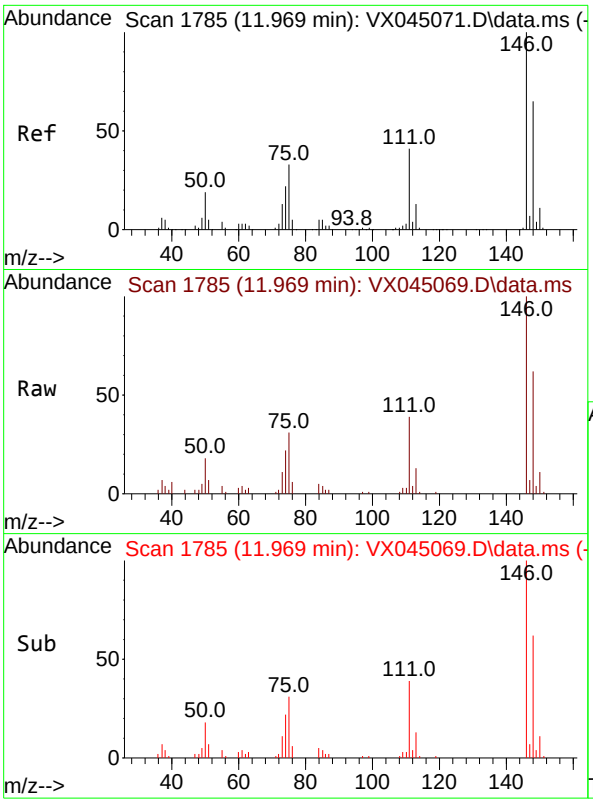


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0



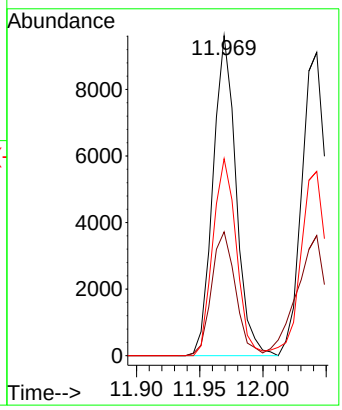


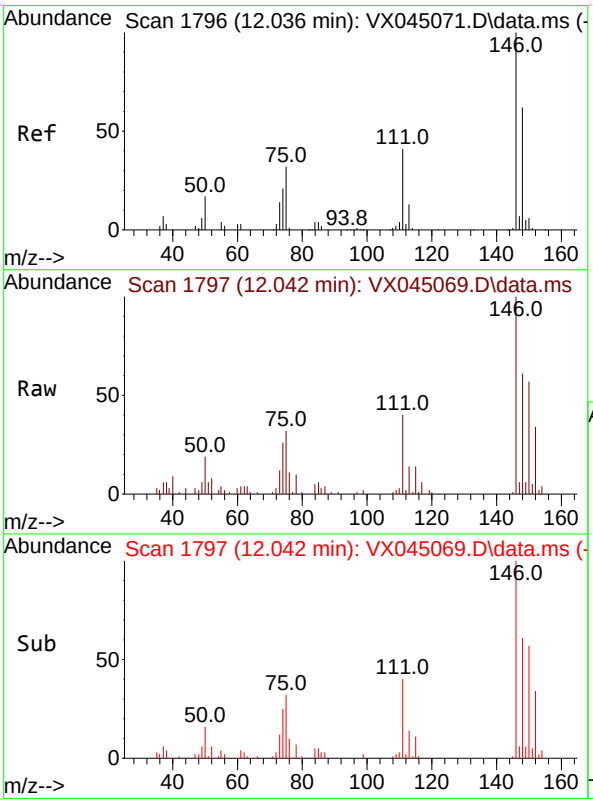
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12157

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7

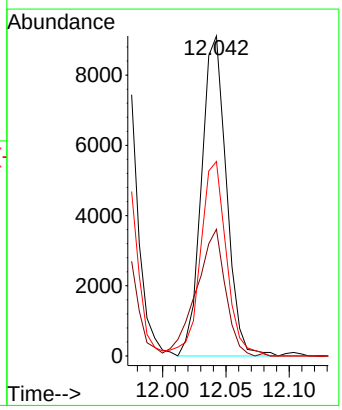


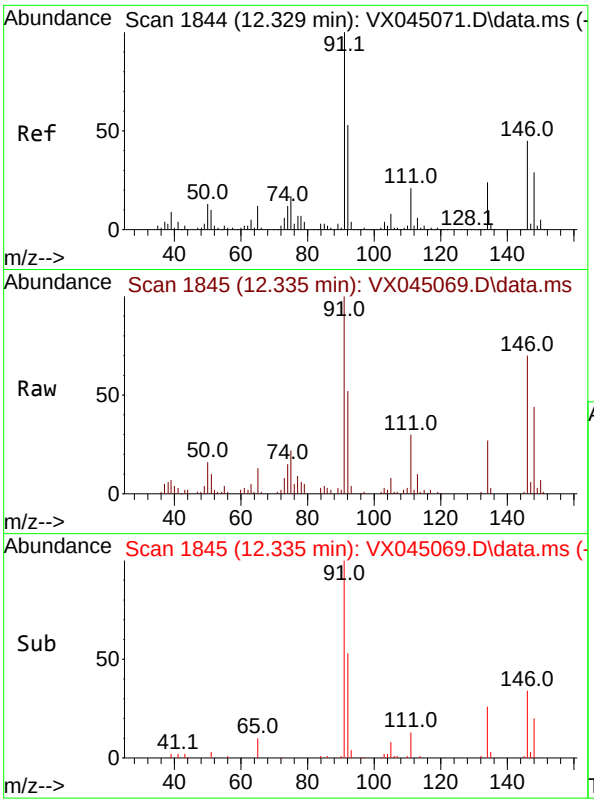


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9



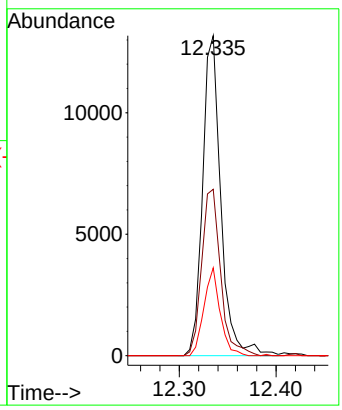


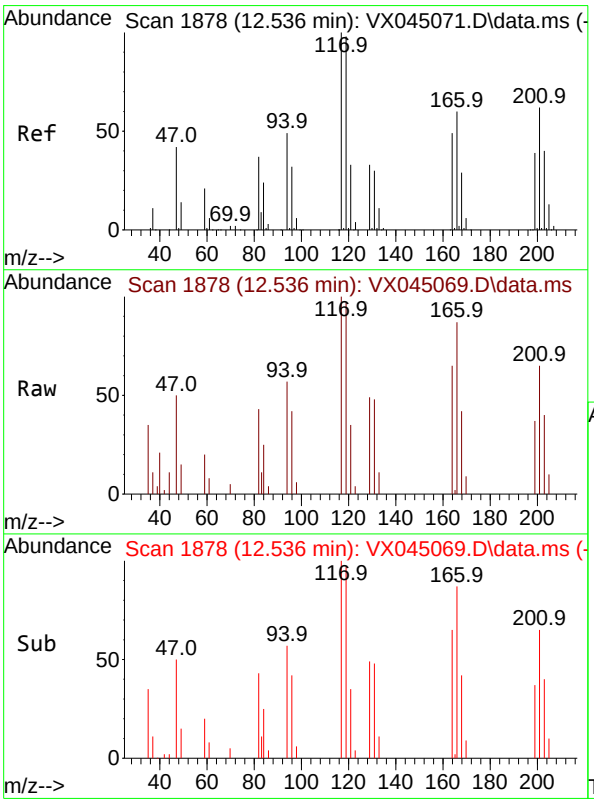
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 17358

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6

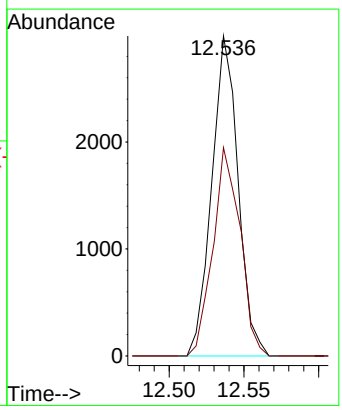


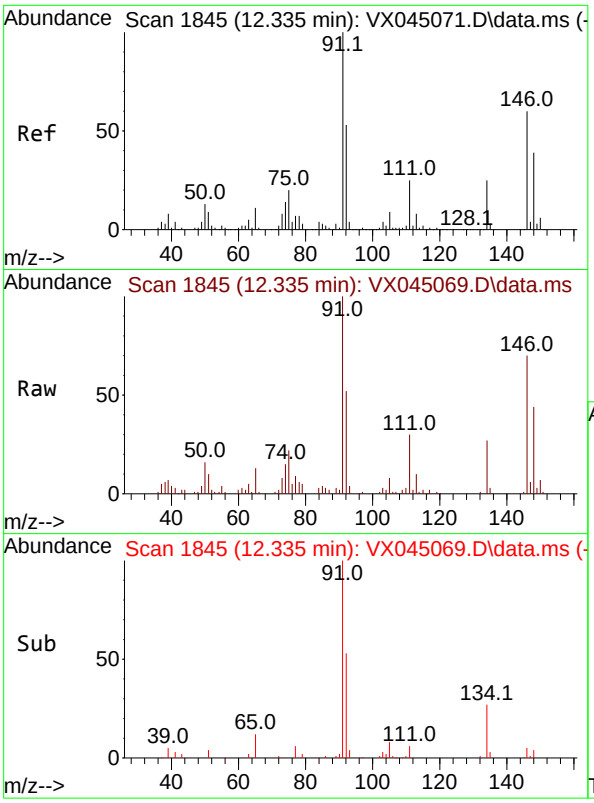


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



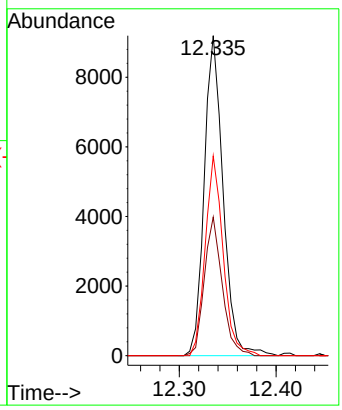


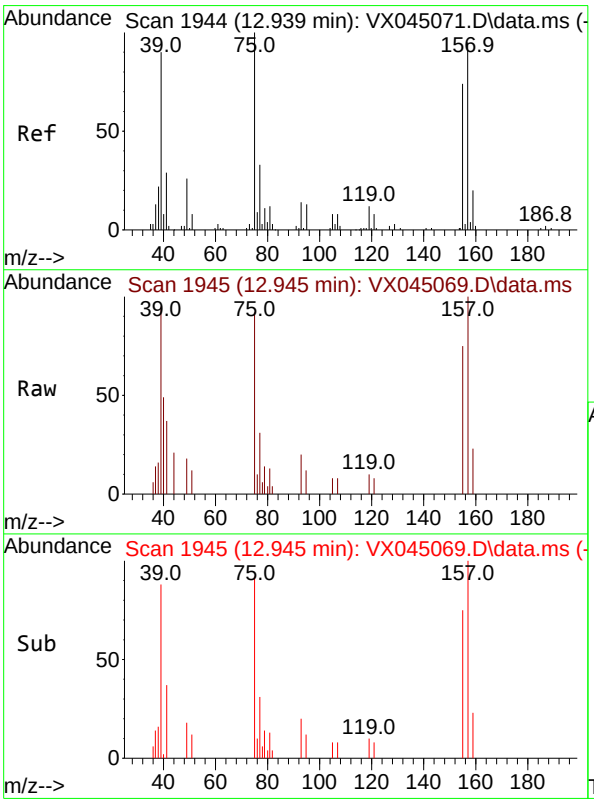
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12477

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9

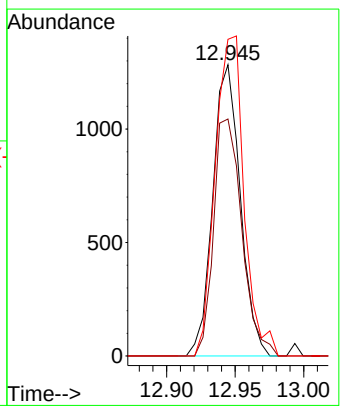


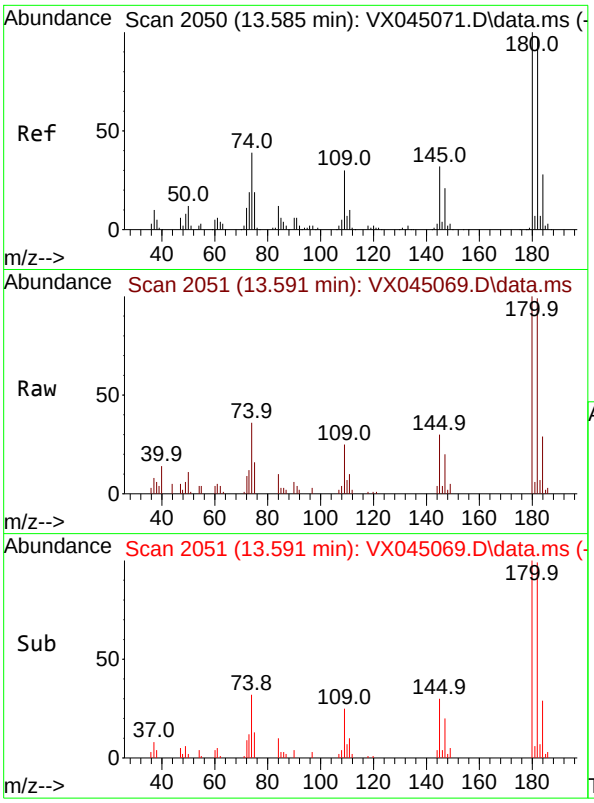


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4



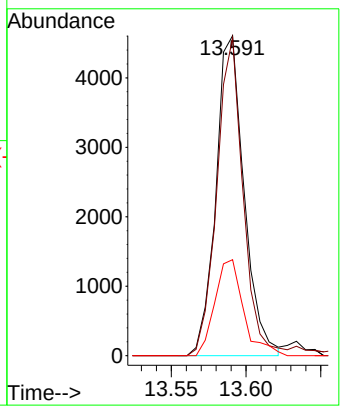


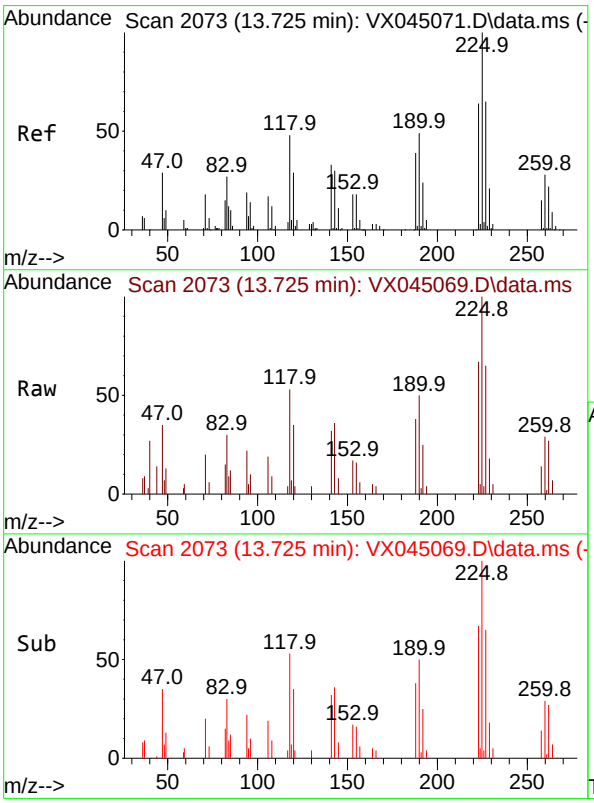
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 6040

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9

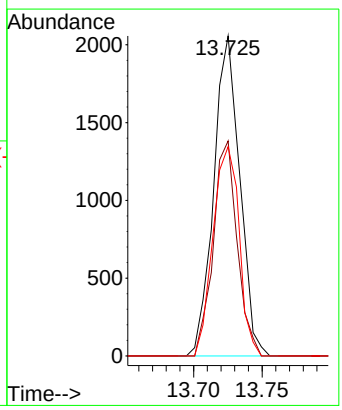


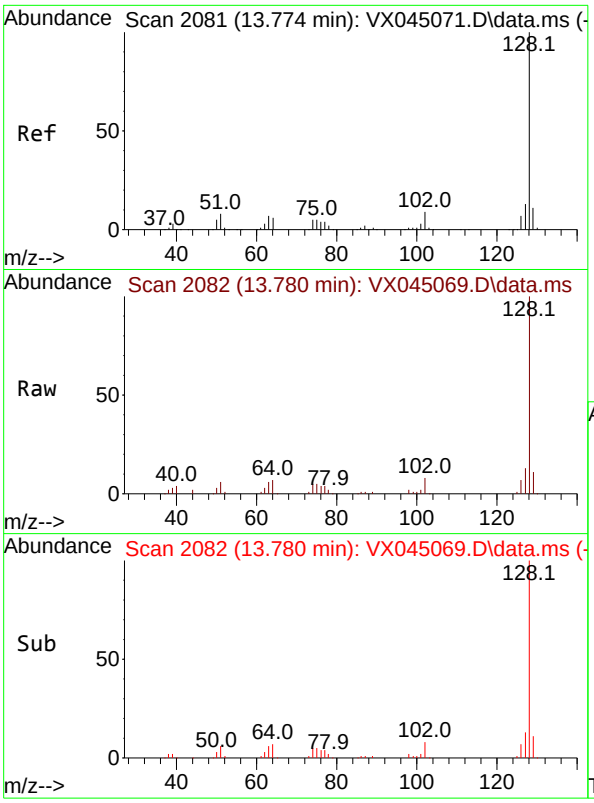


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0



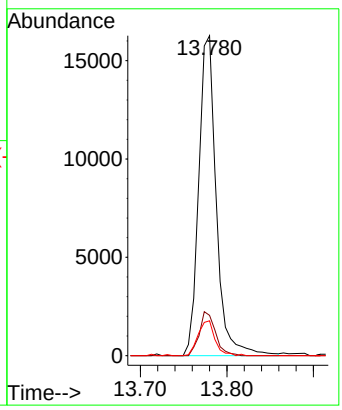


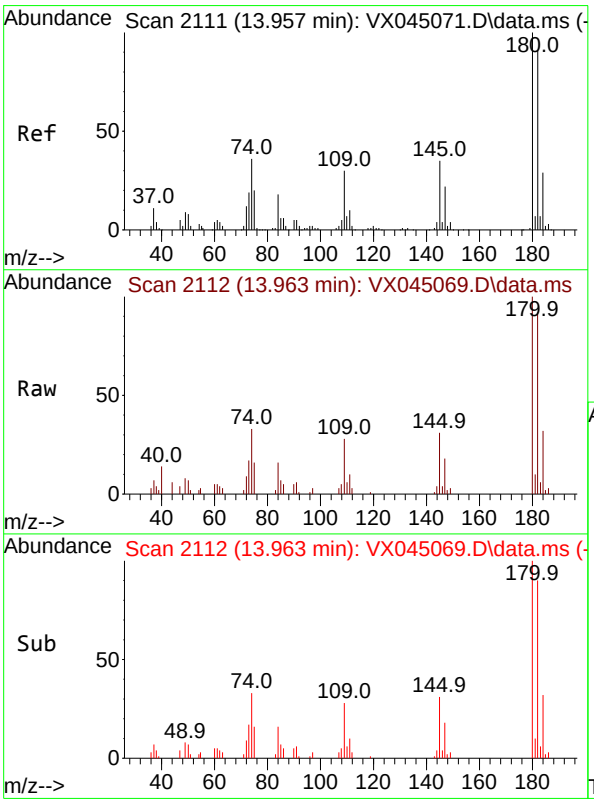
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 22927

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

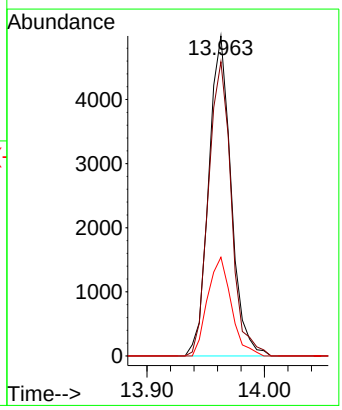




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	41754	26.713	ug/l		86
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

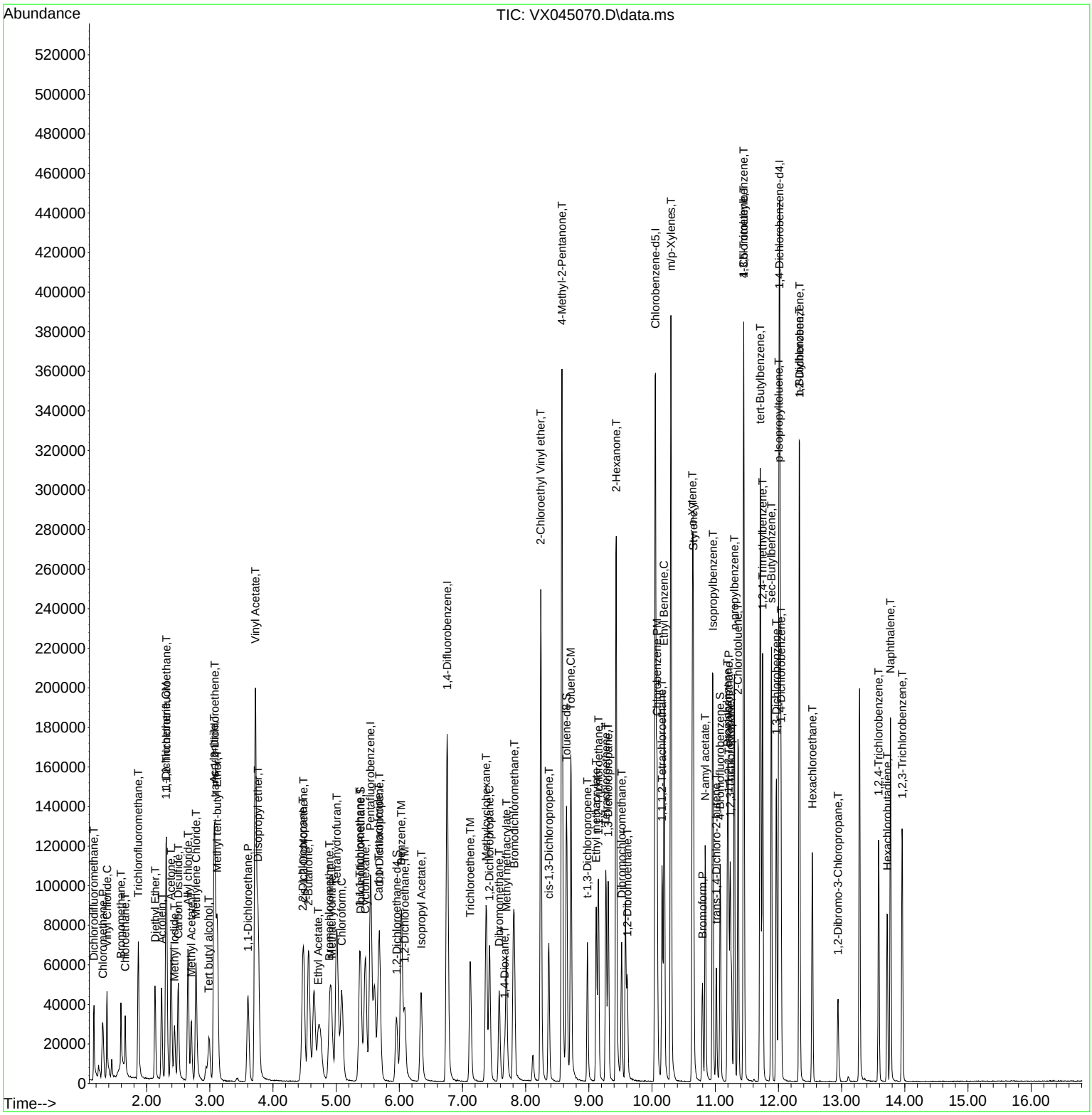
(#) = qualifier out of range (m) = manual integration (+) = signals summed

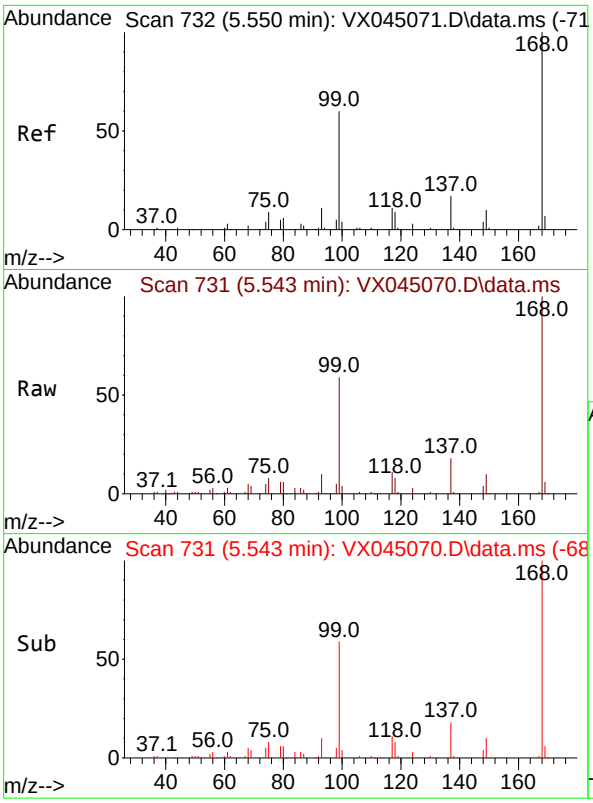
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



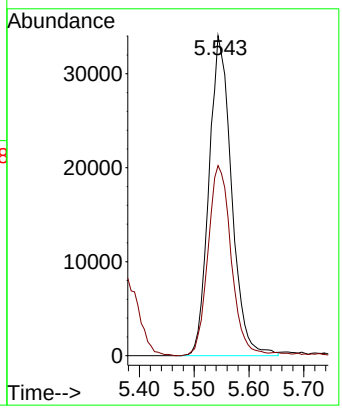


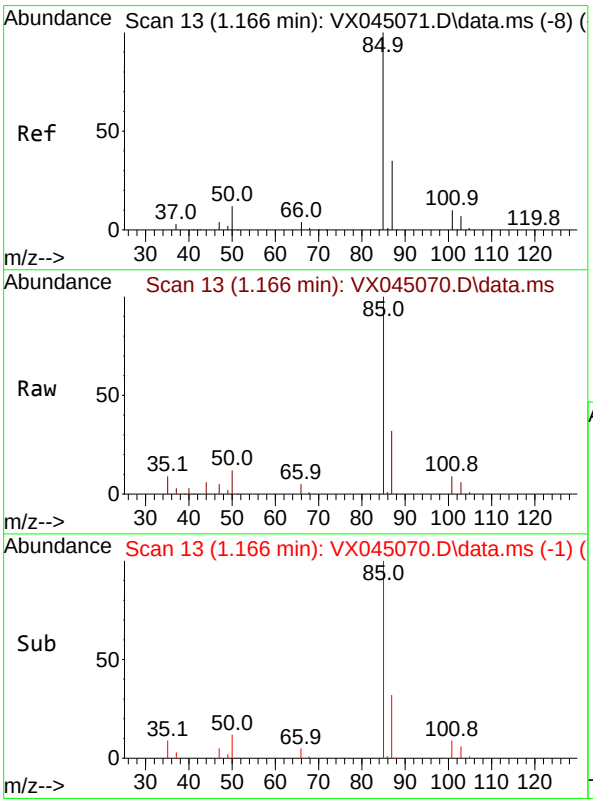
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

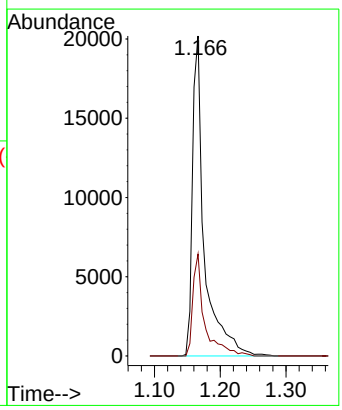


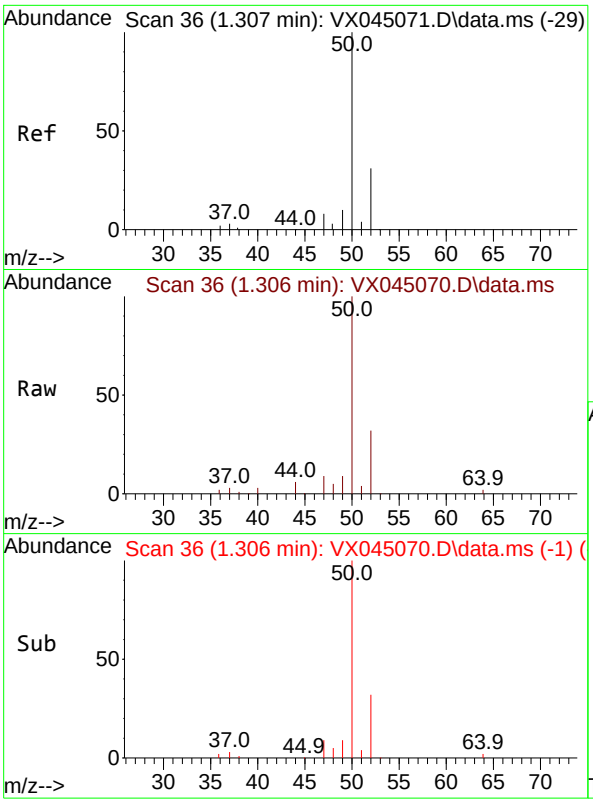


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



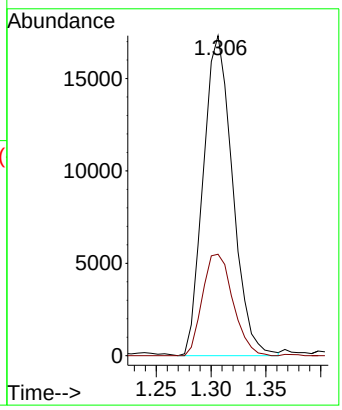


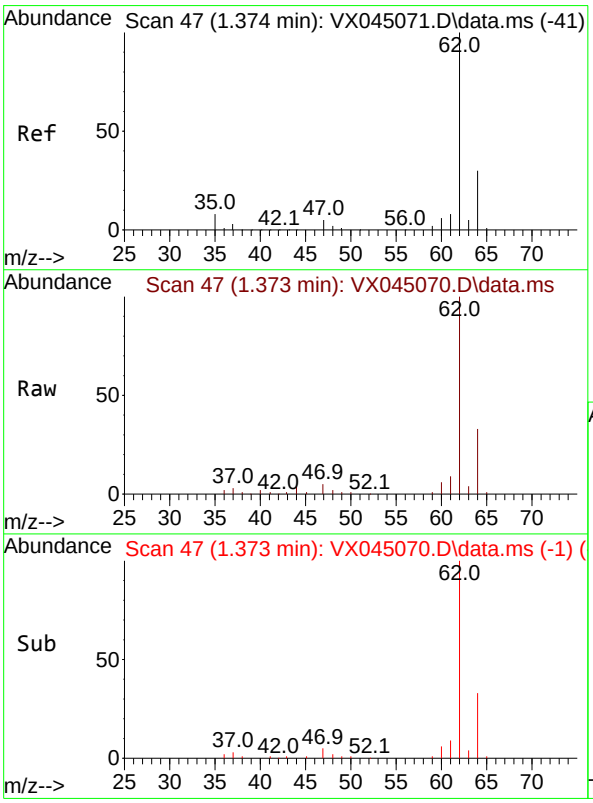
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

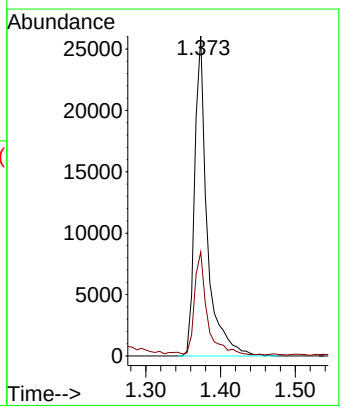


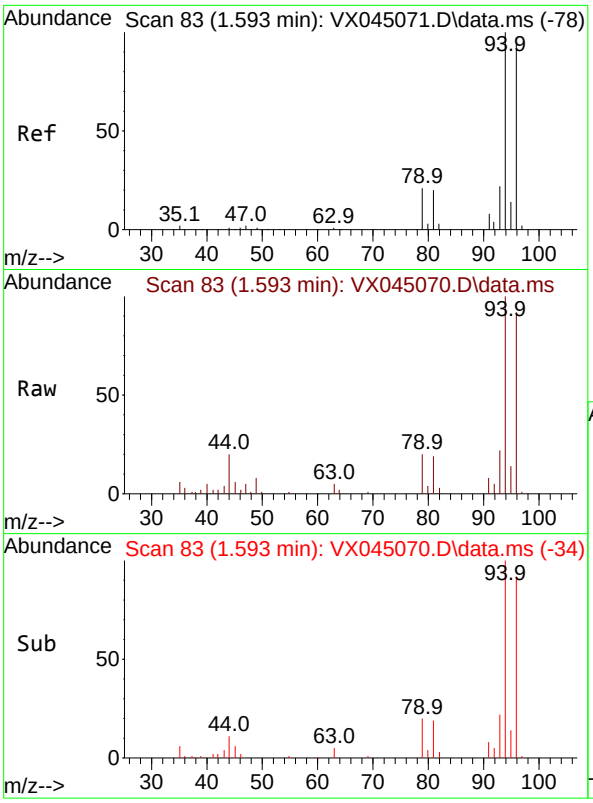


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



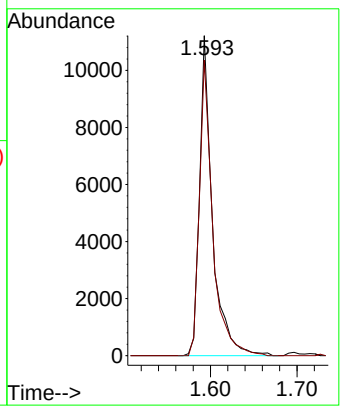


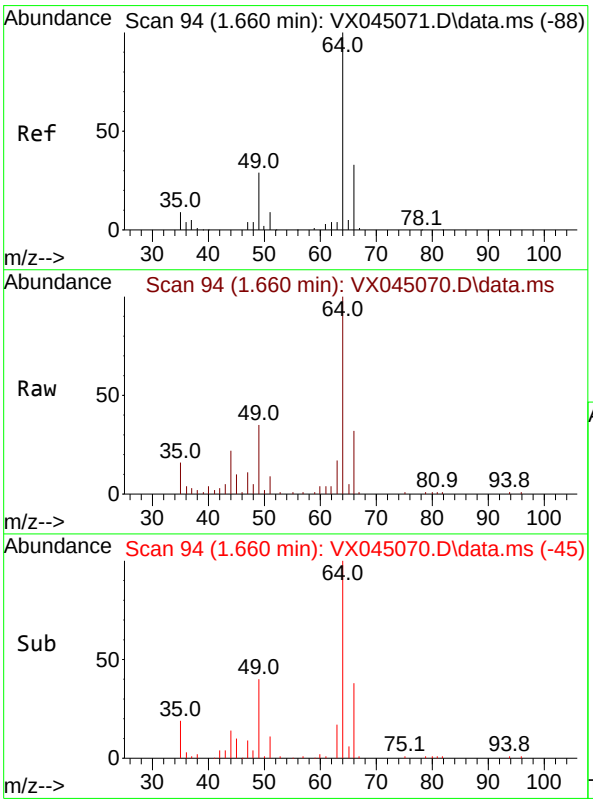
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

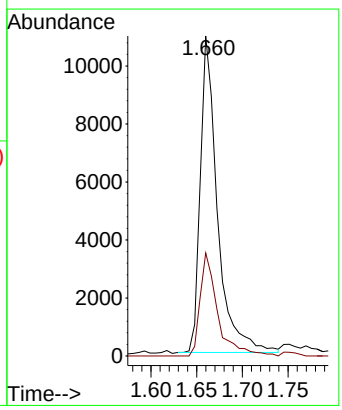


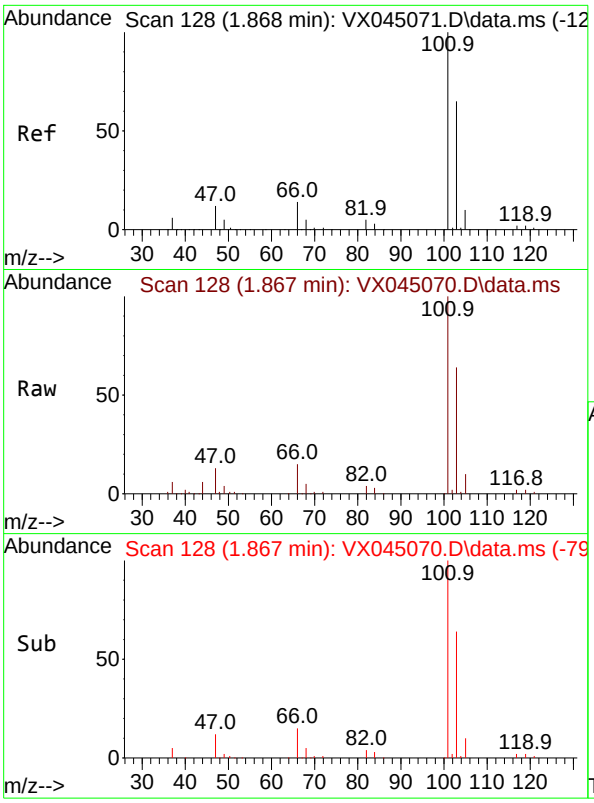


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



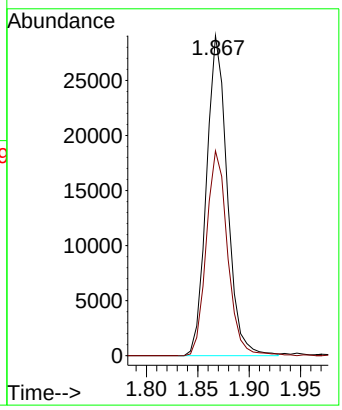


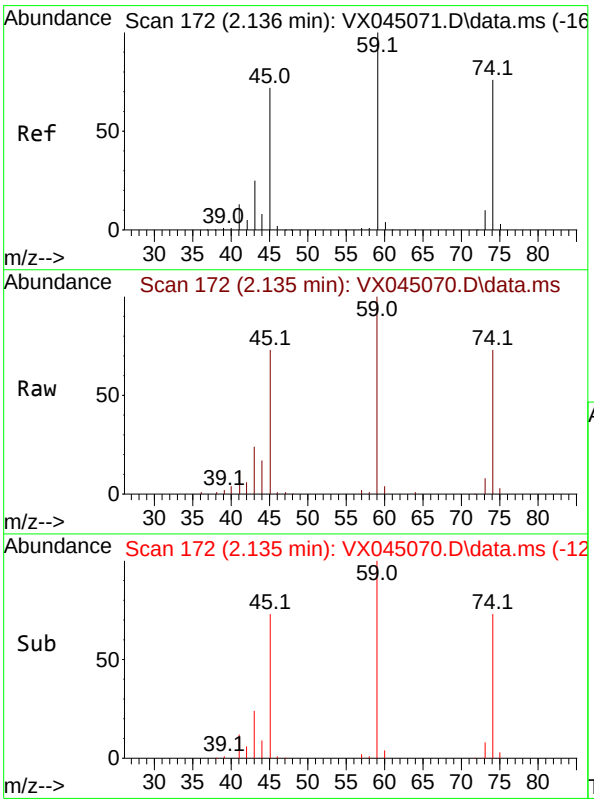
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

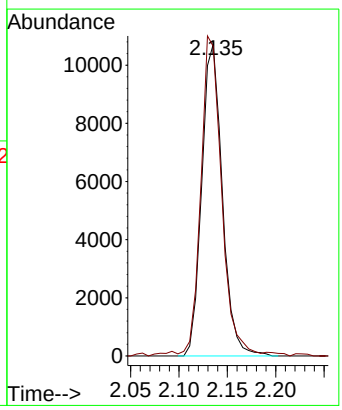


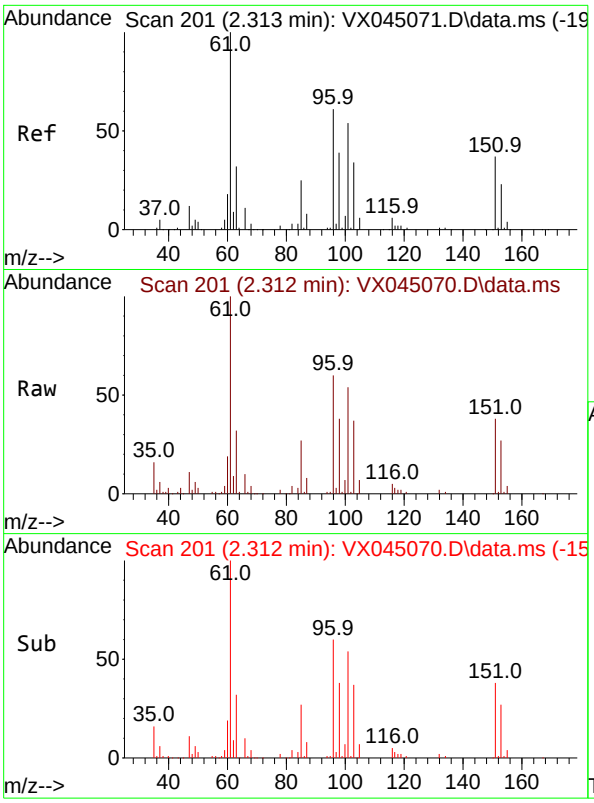


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



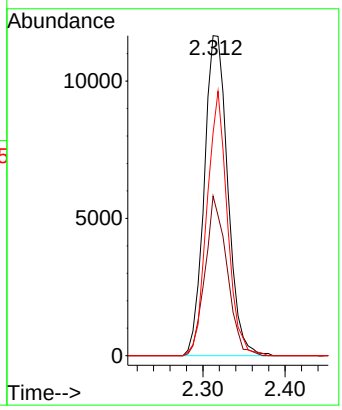


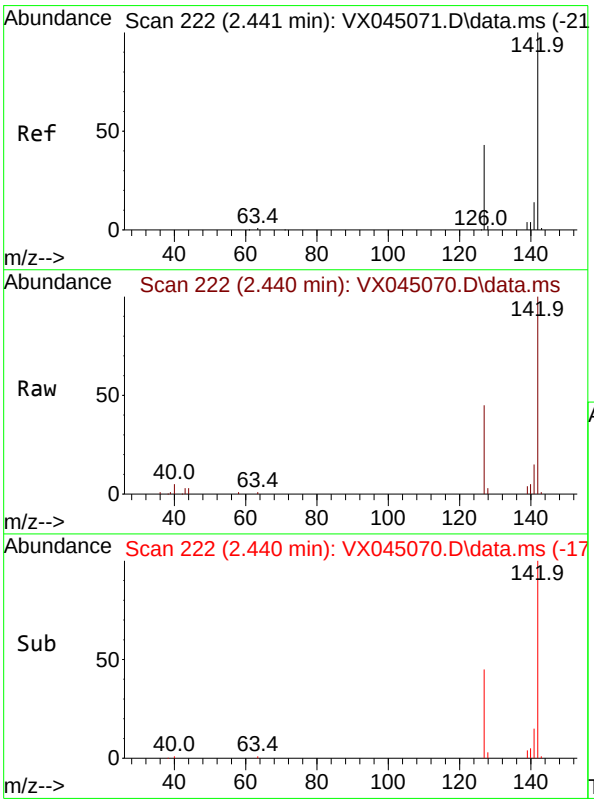
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 23154

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

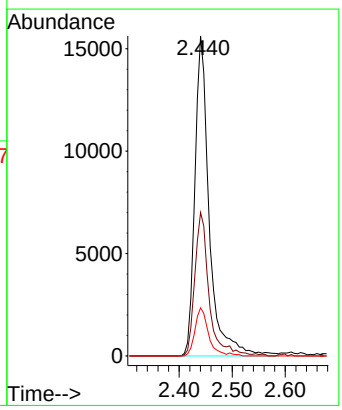


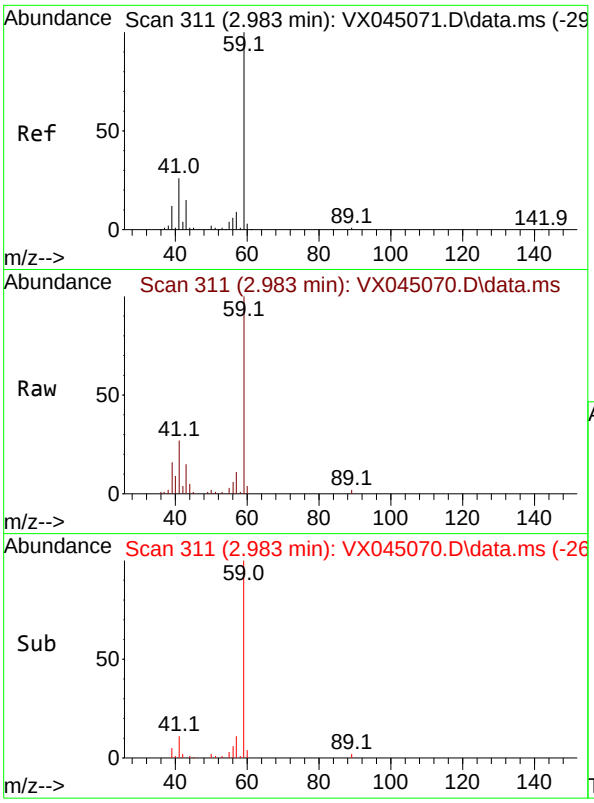


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4



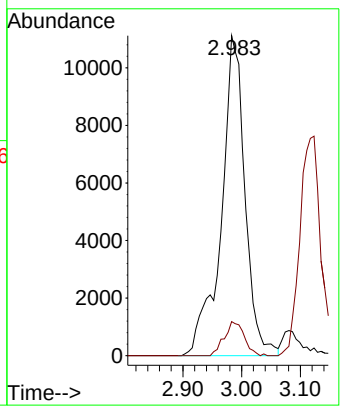


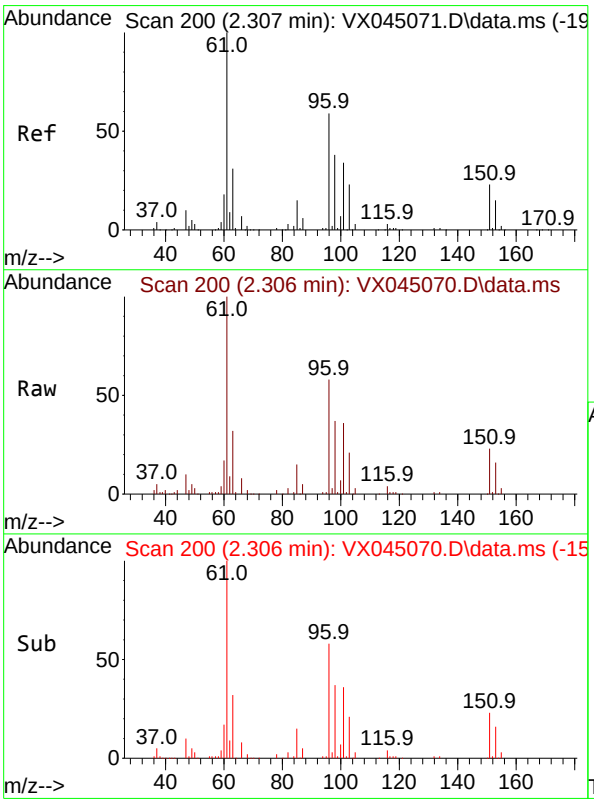
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

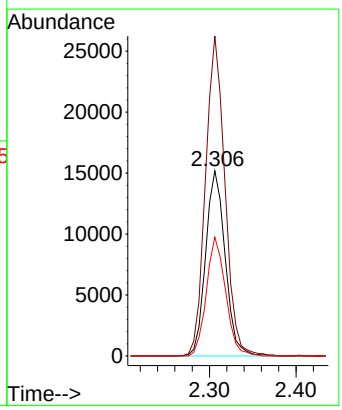


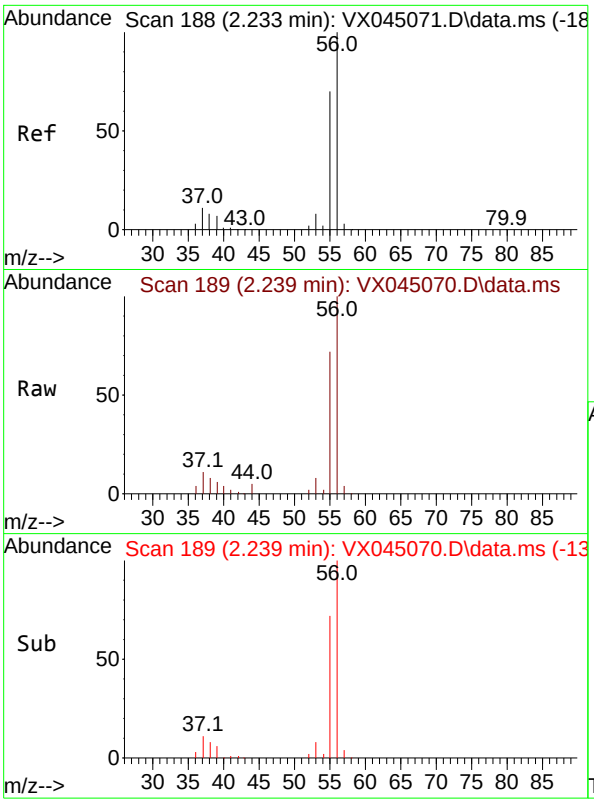


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6



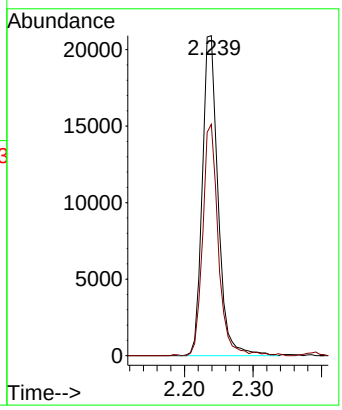


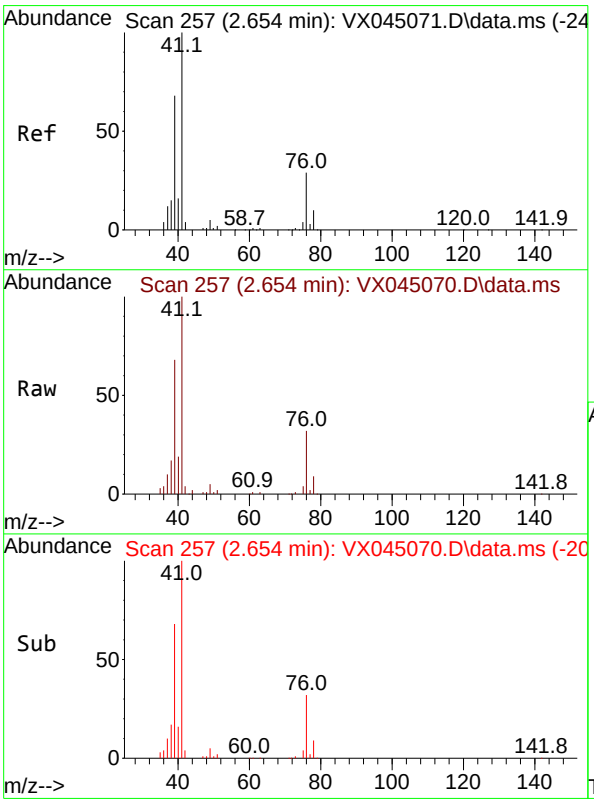
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

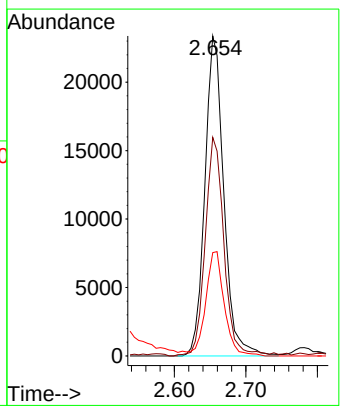


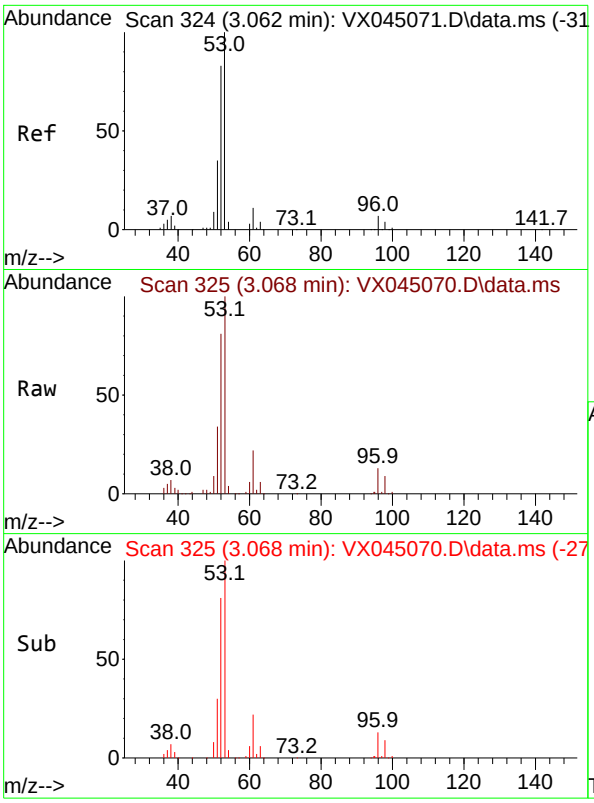


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8



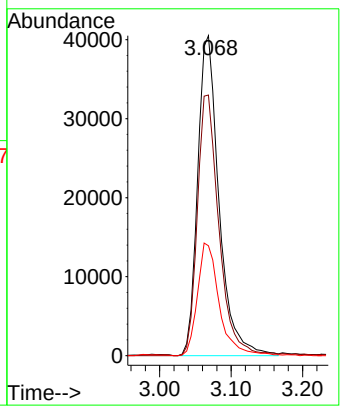


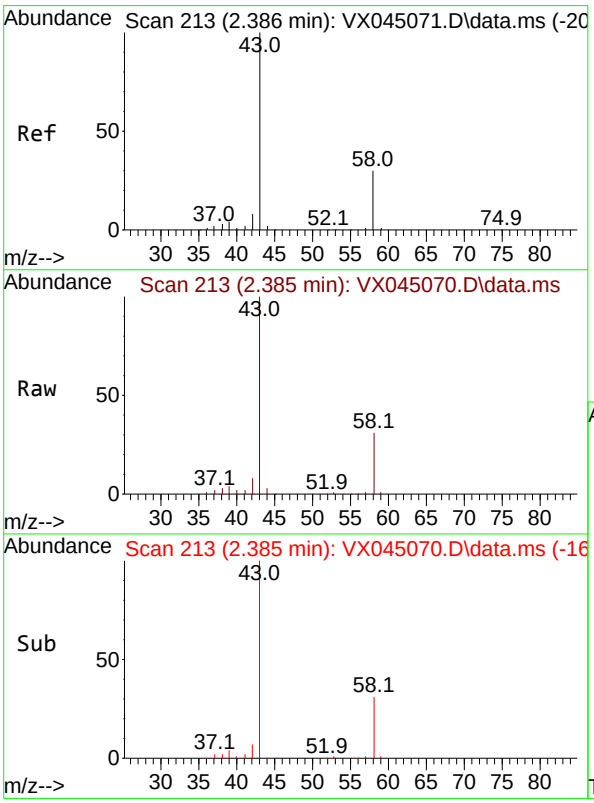
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 84182

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4

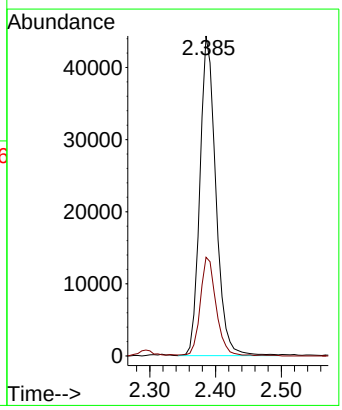


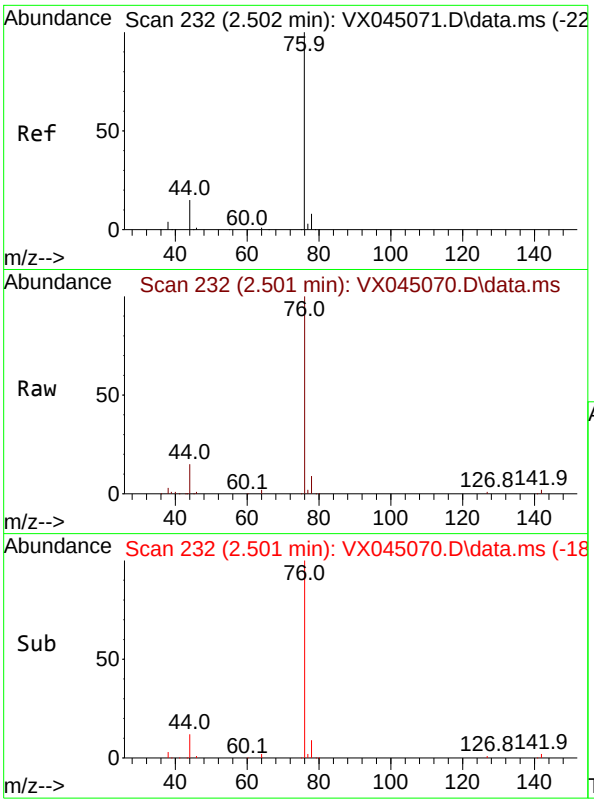


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



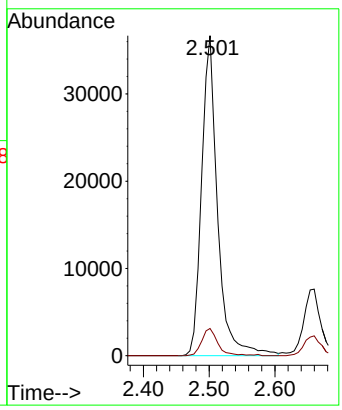


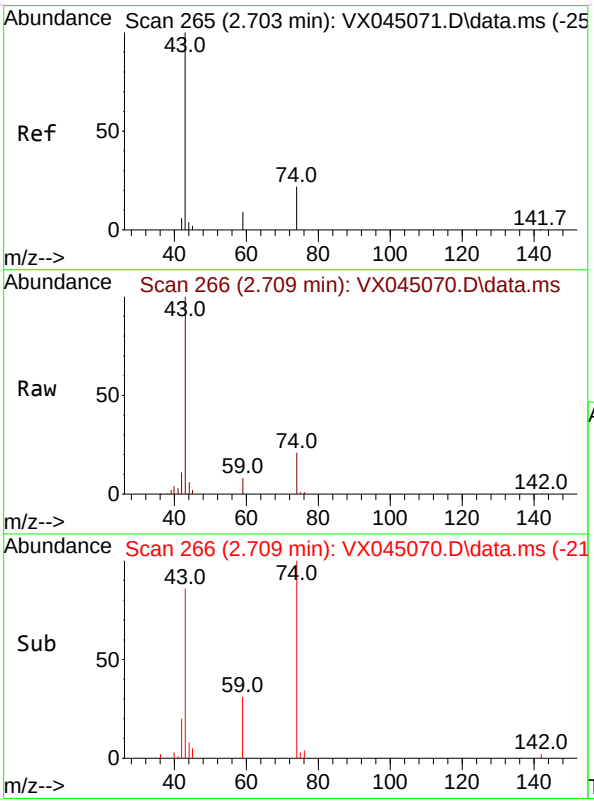
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

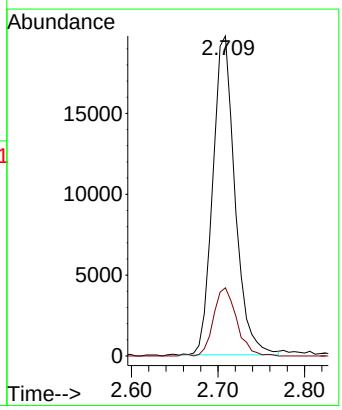


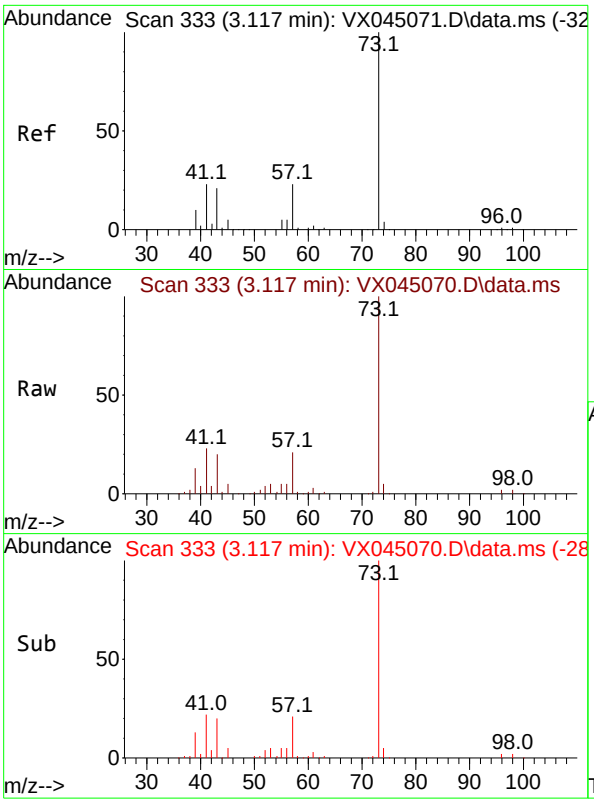


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



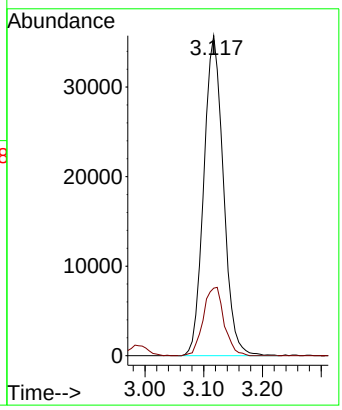


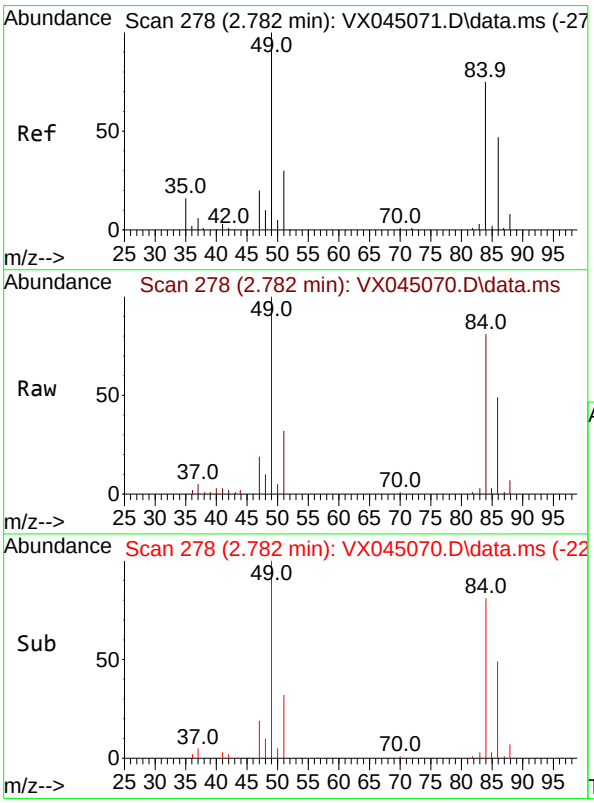
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

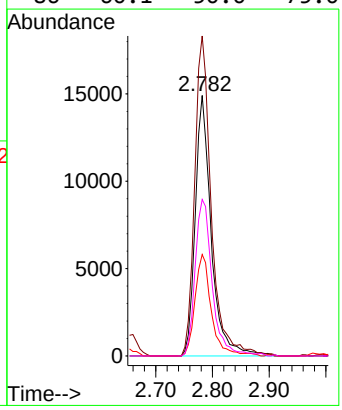


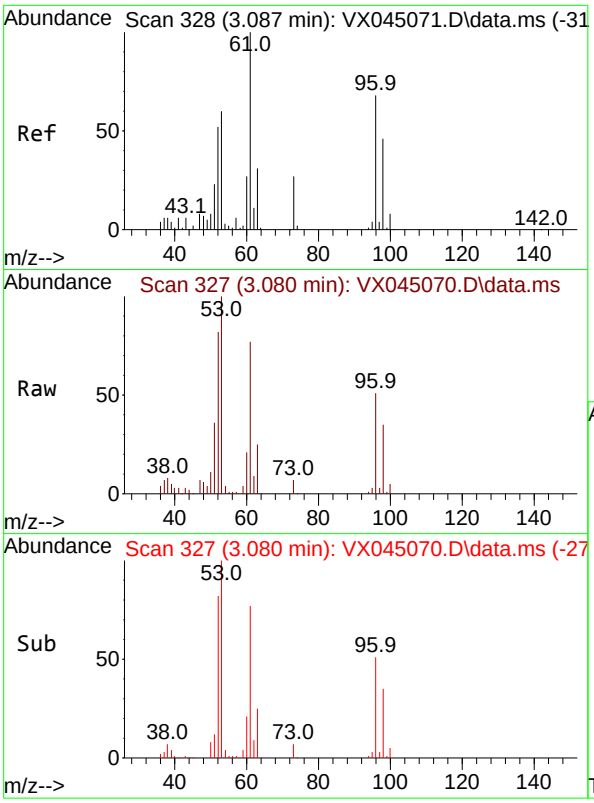


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0



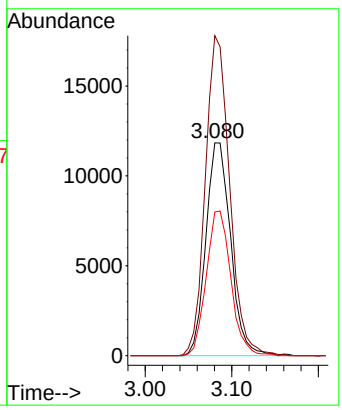


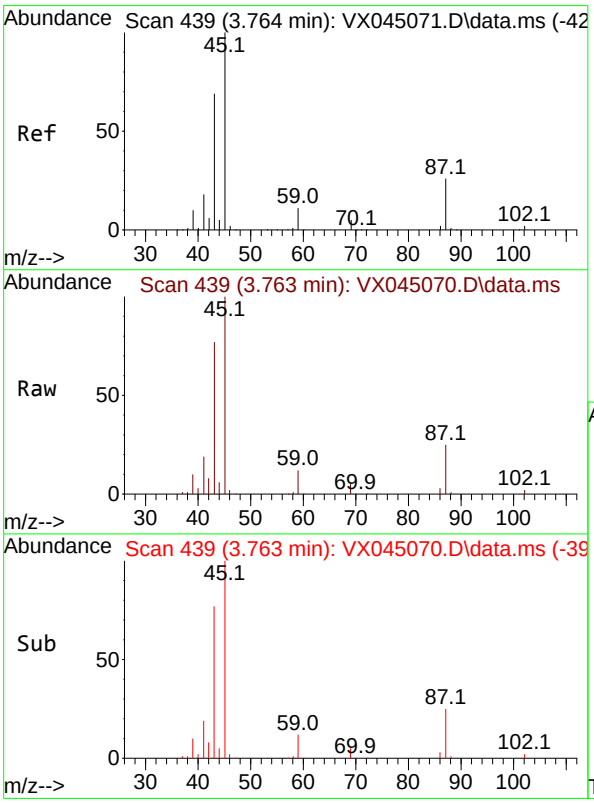
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 23471

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2

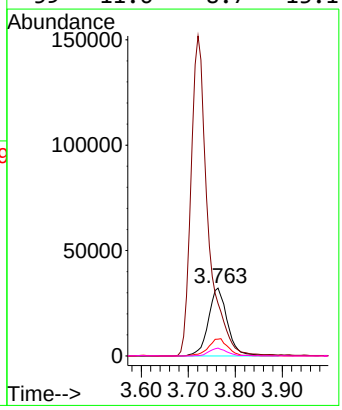


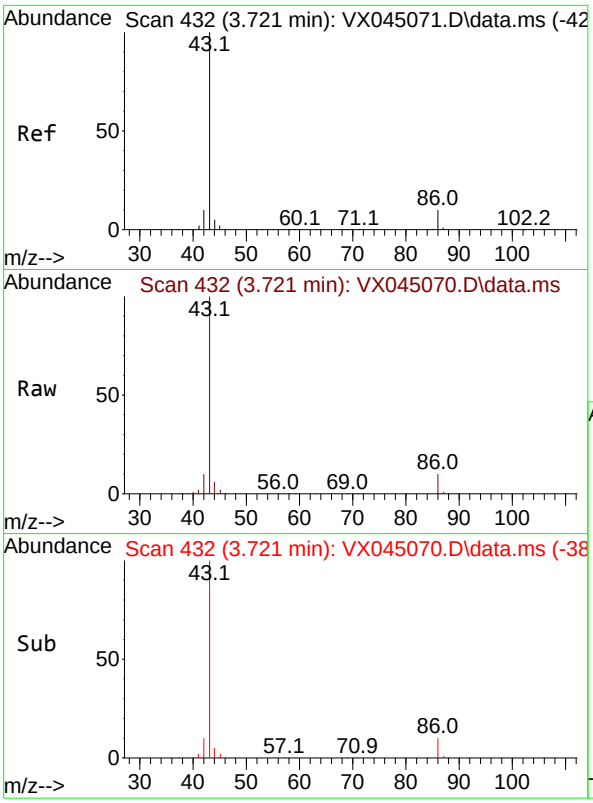


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1



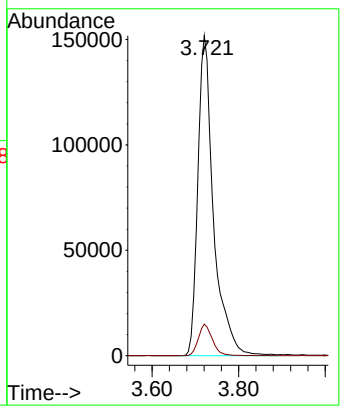


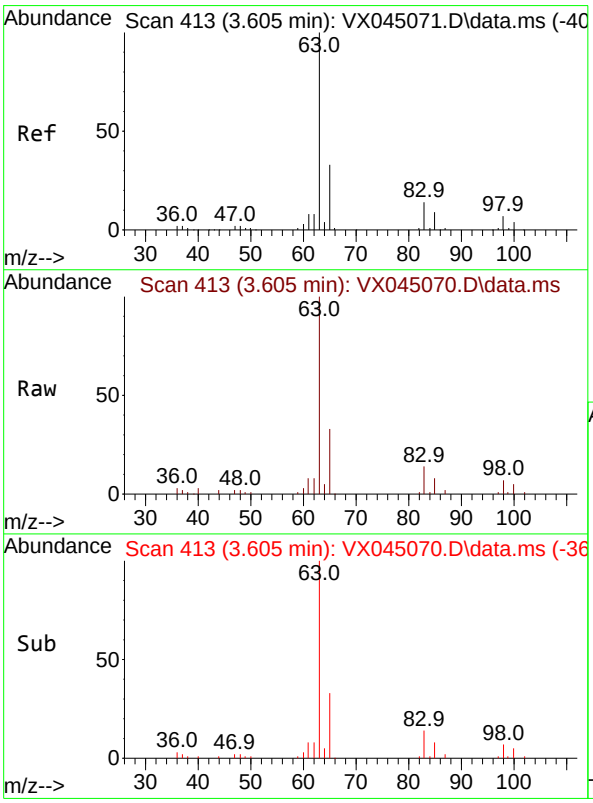
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

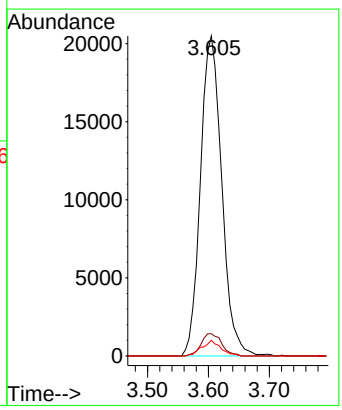


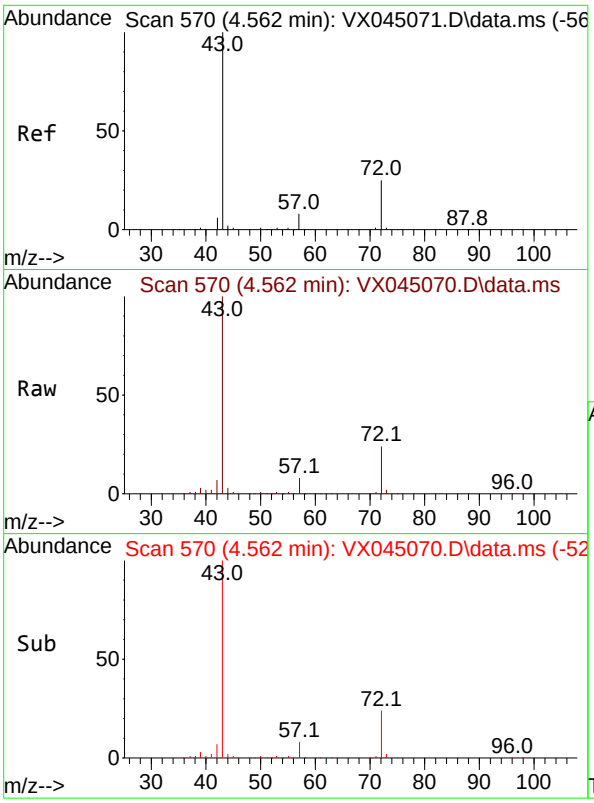


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5



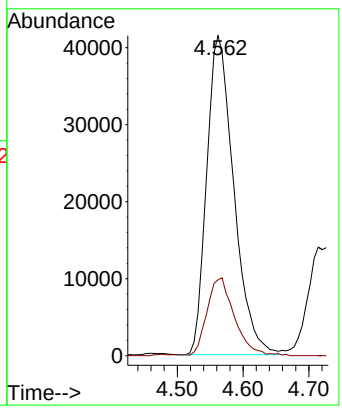


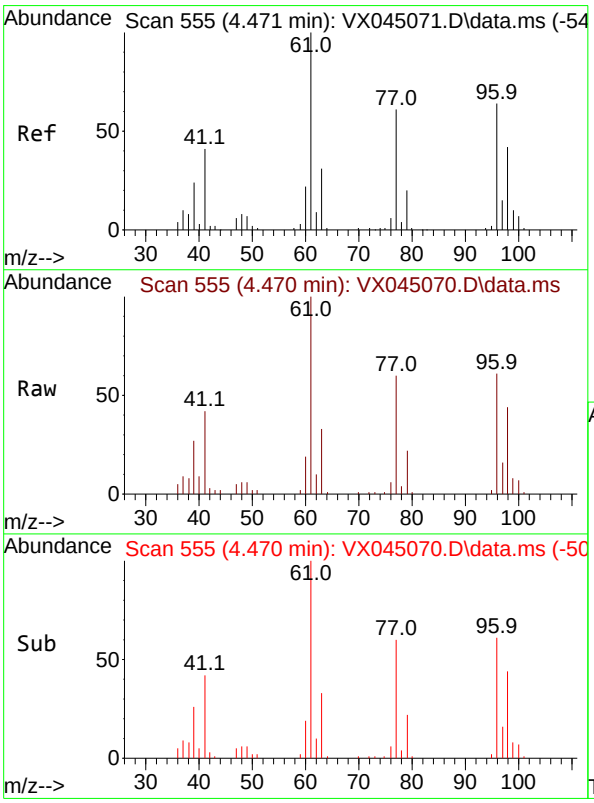
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

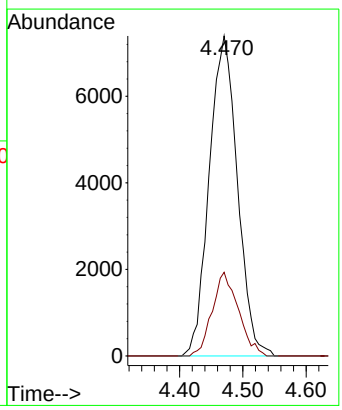


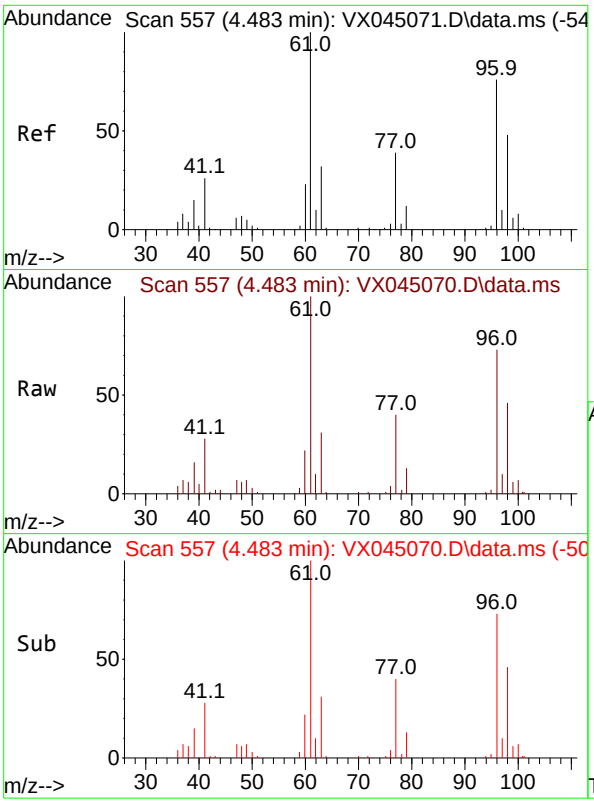


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



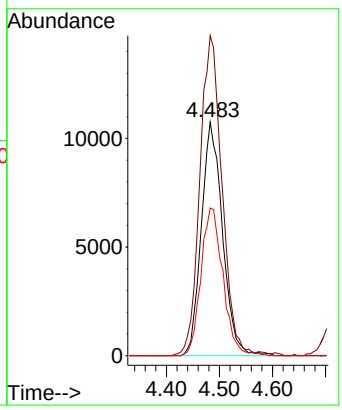


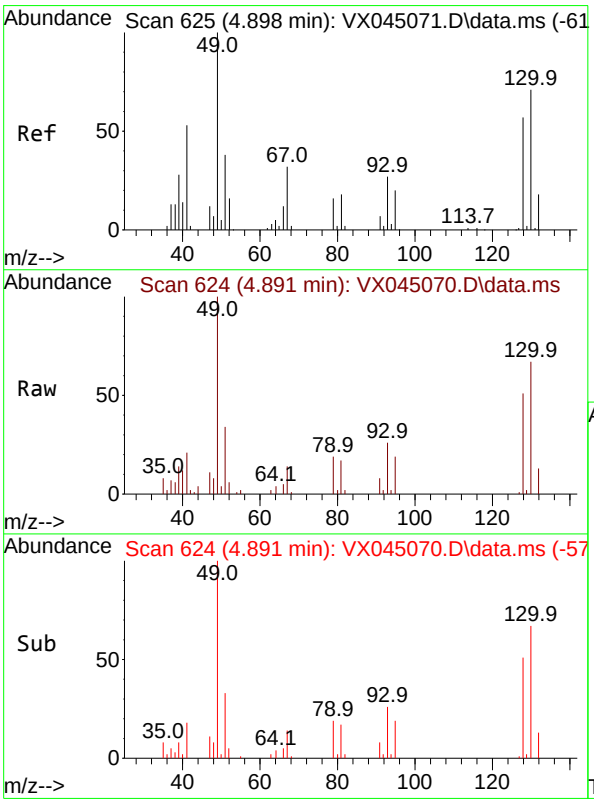
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 29788

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

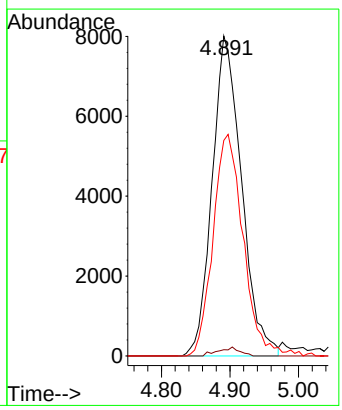


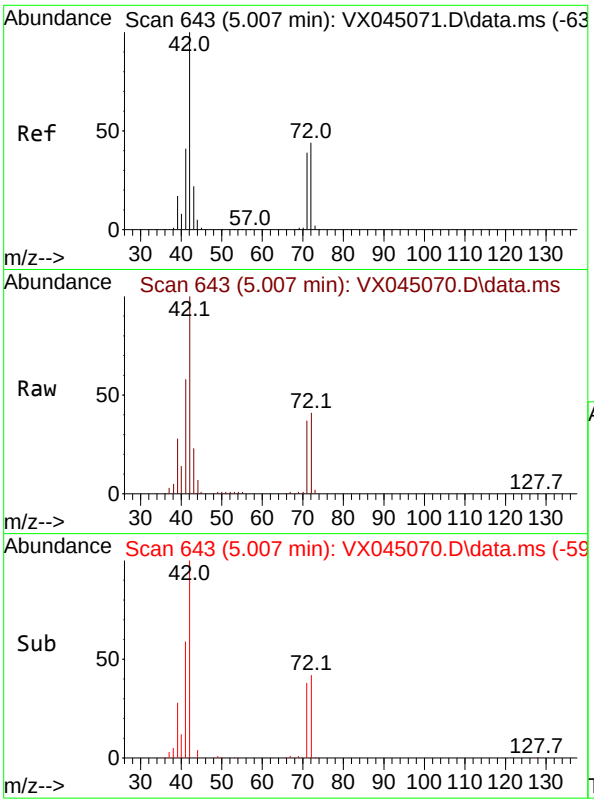


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1



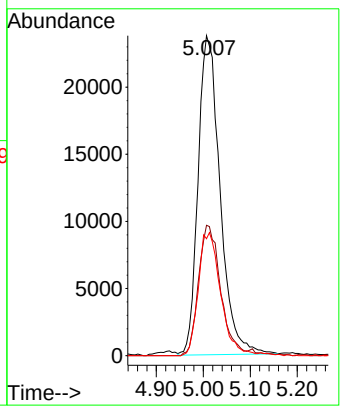


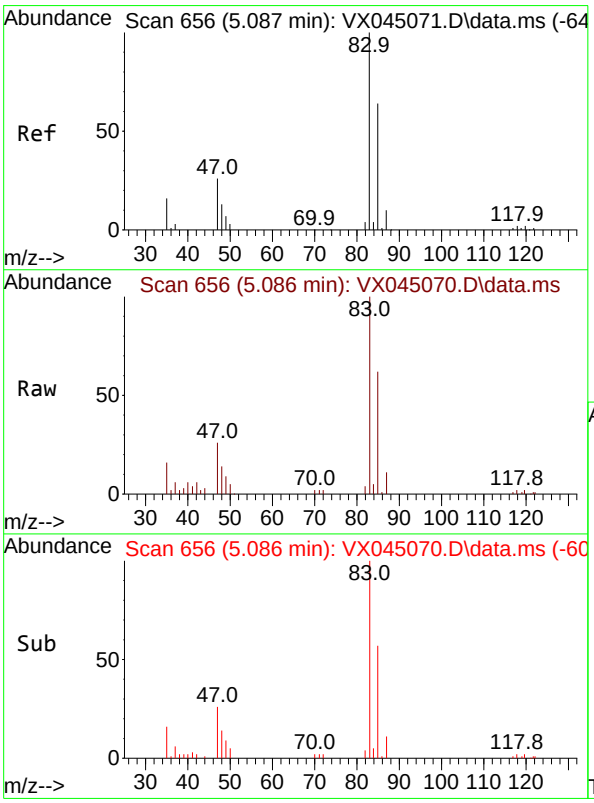
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 77433

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

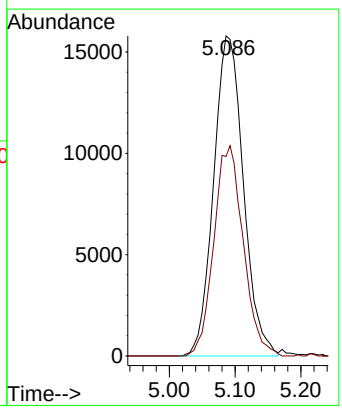


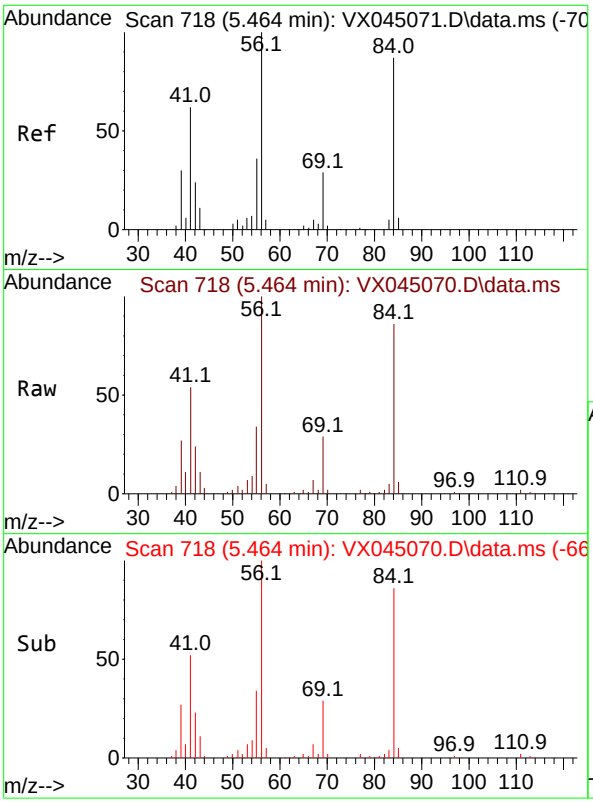


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



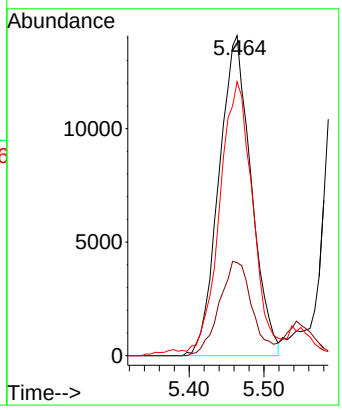


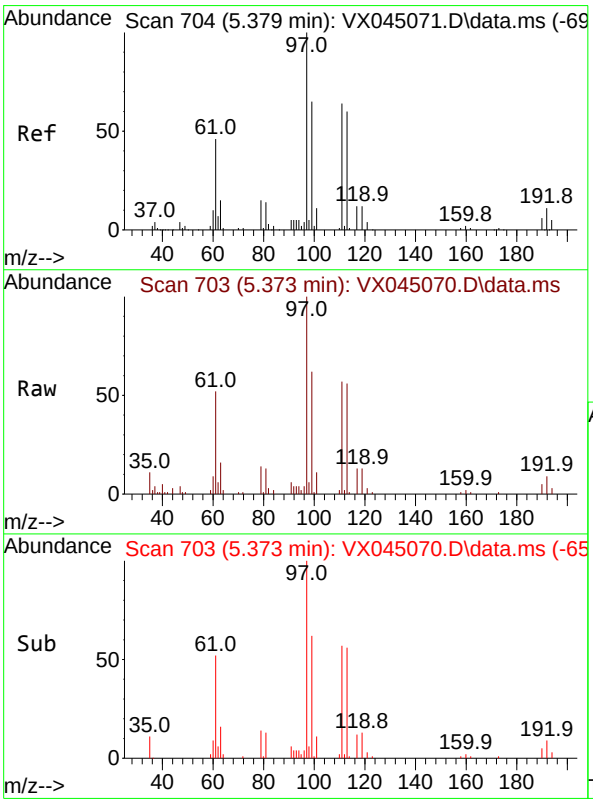
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 42340

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2

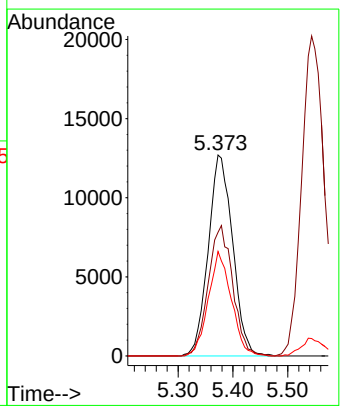


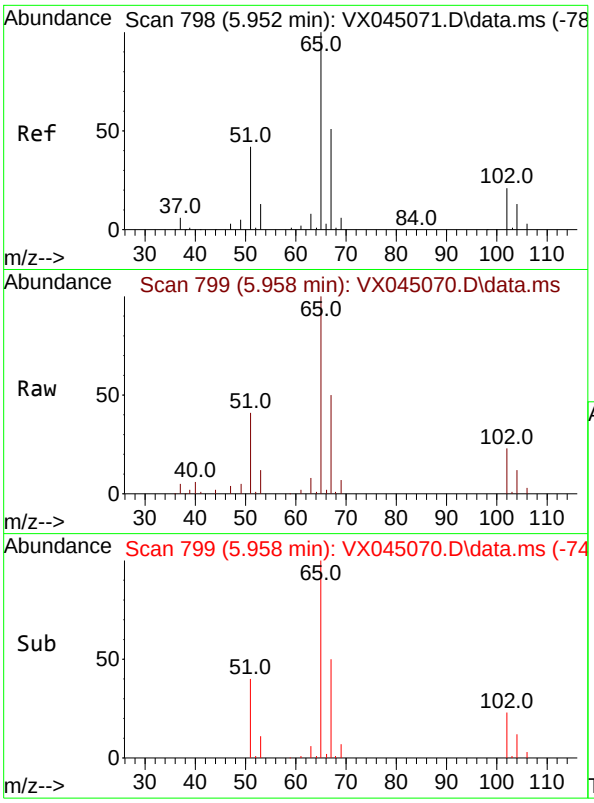


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6



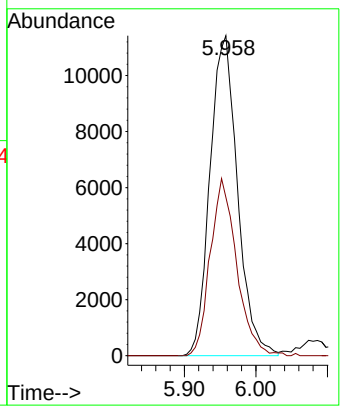


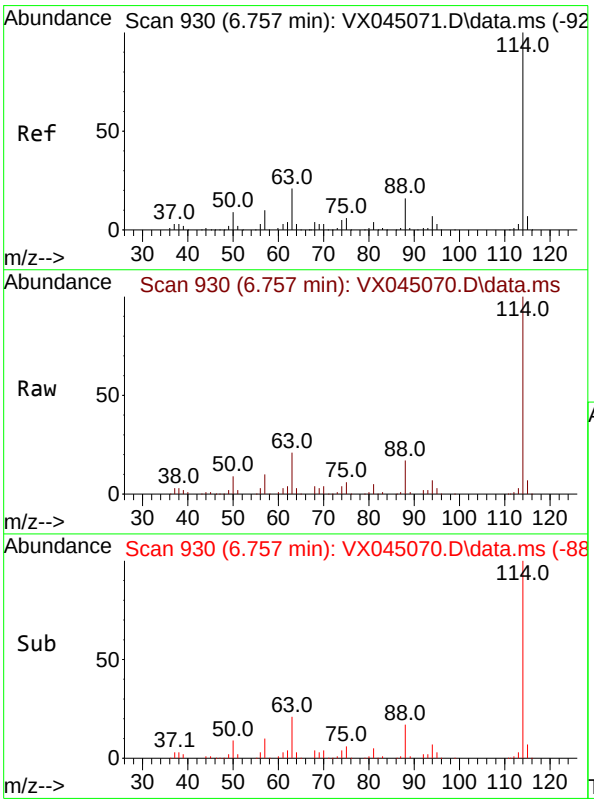
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

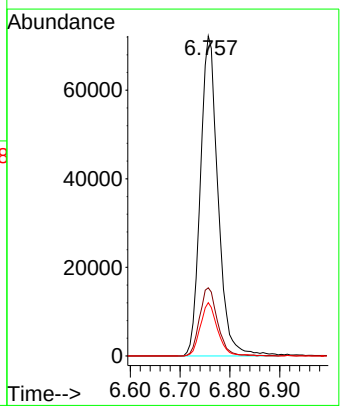


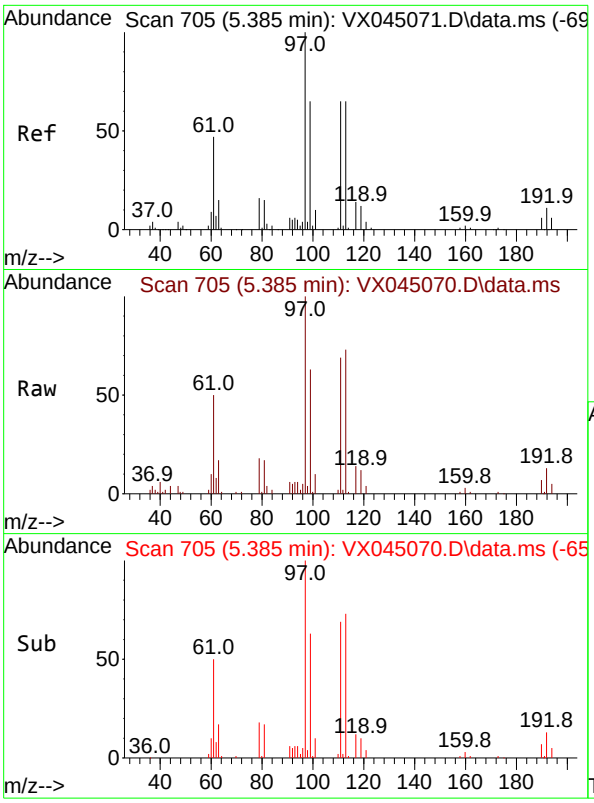


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8



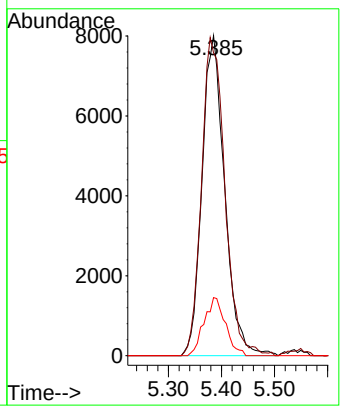


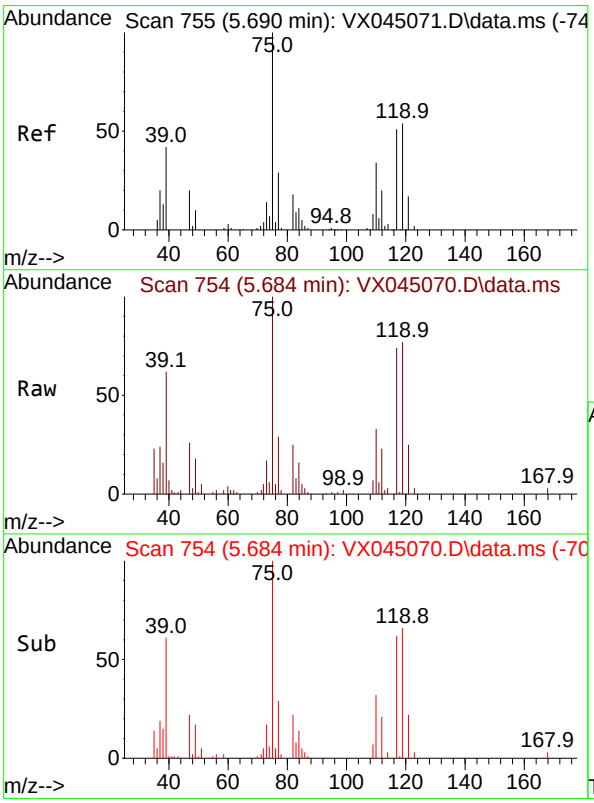
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 23739

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5

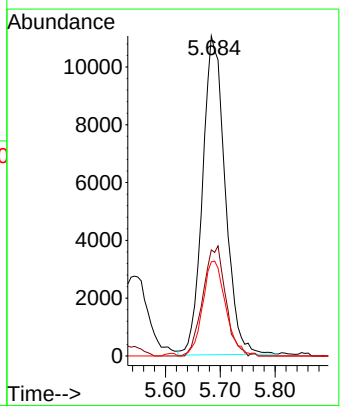


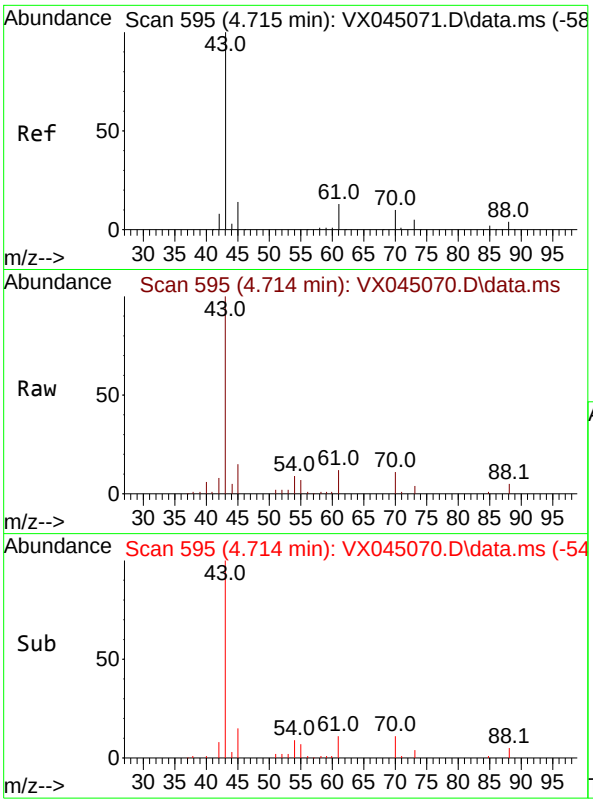


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7



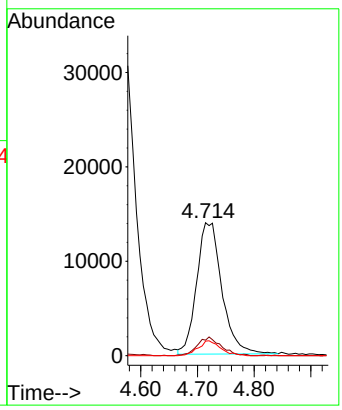


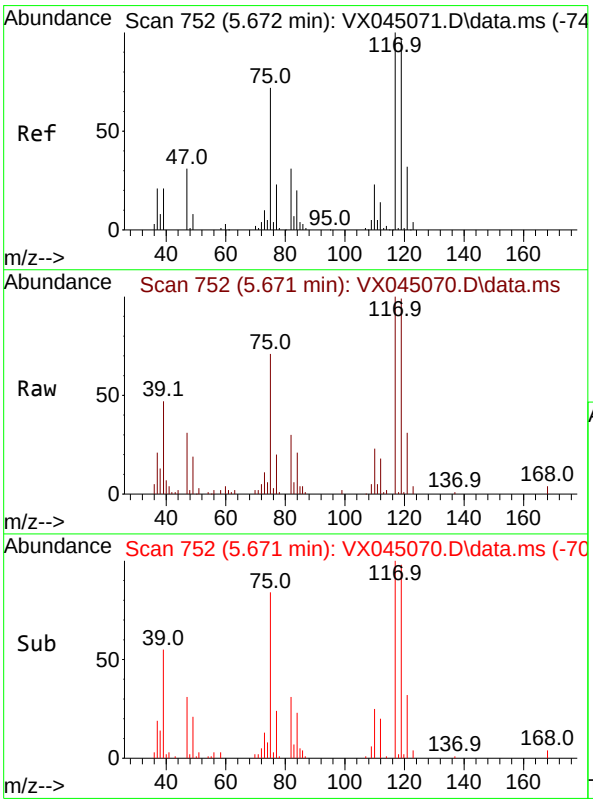
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 43097

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5

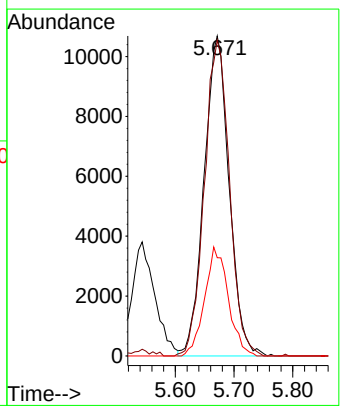


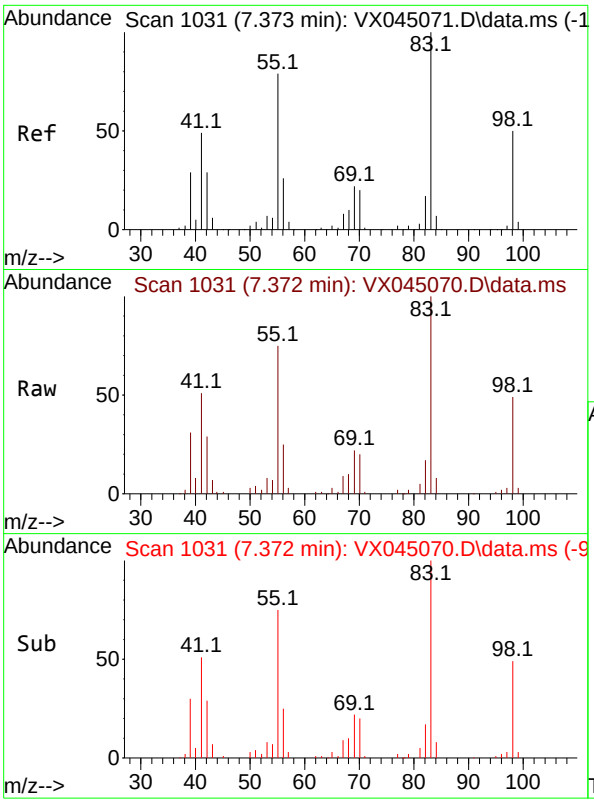


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3



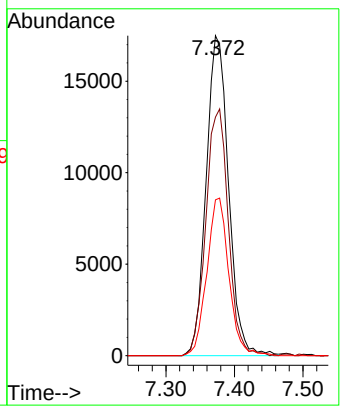


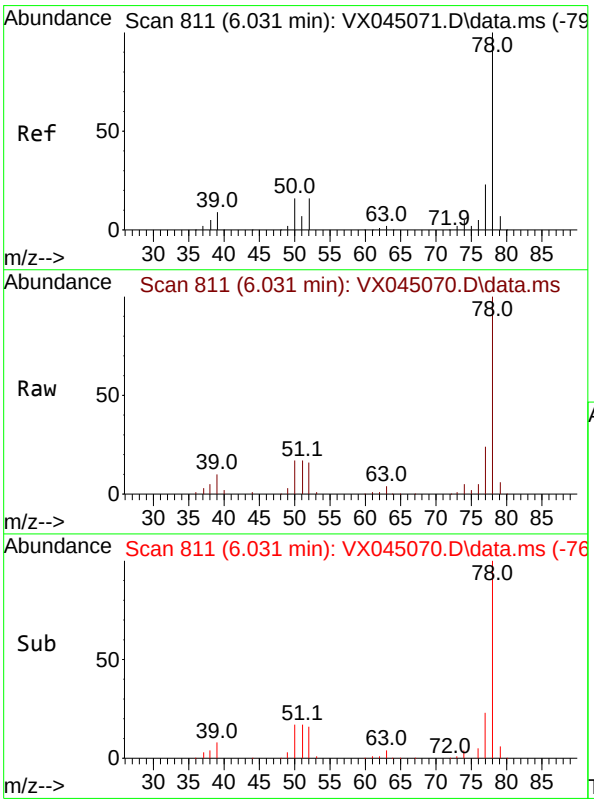
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39769

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5

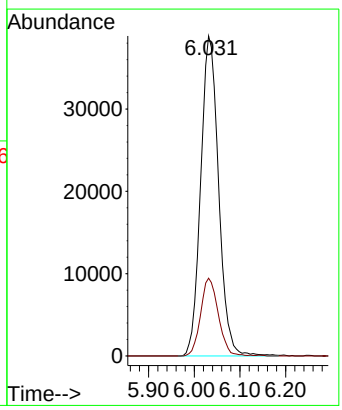


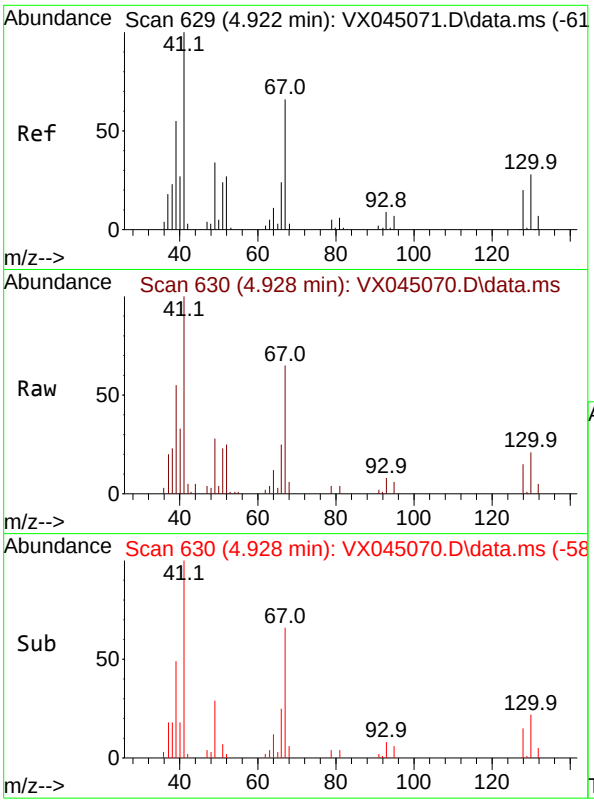


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



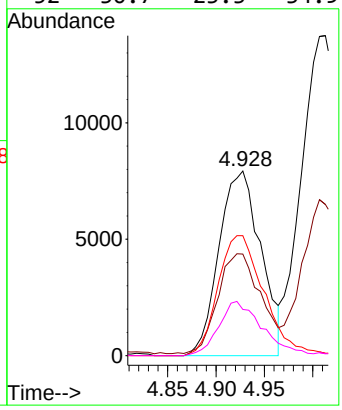


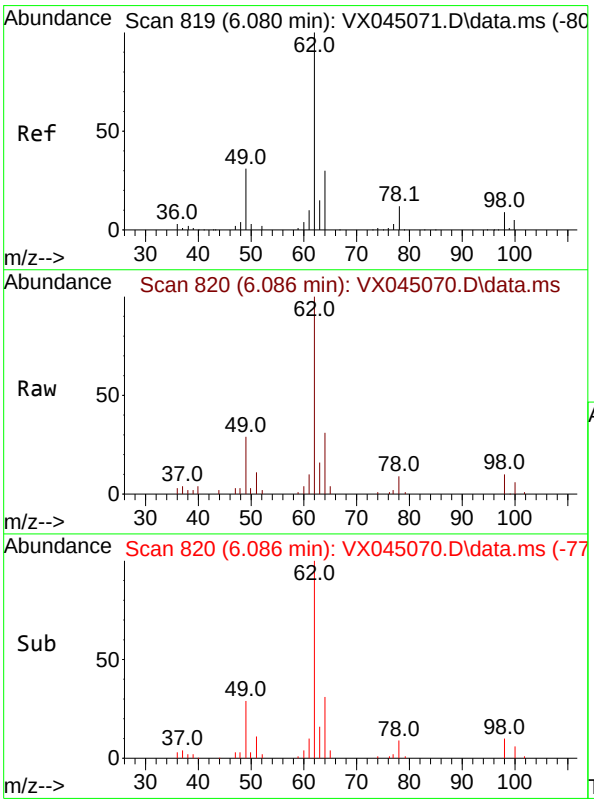
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 23924

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9

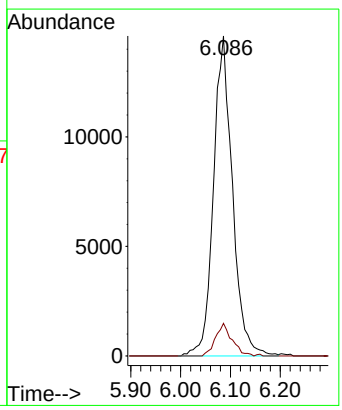


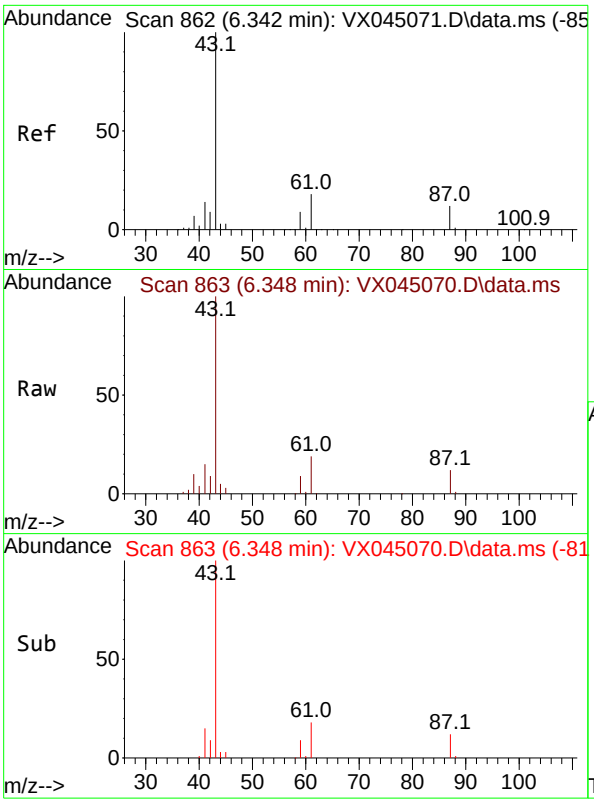


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



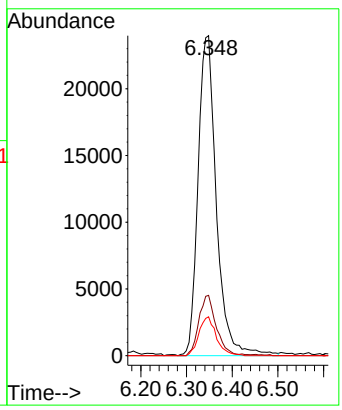


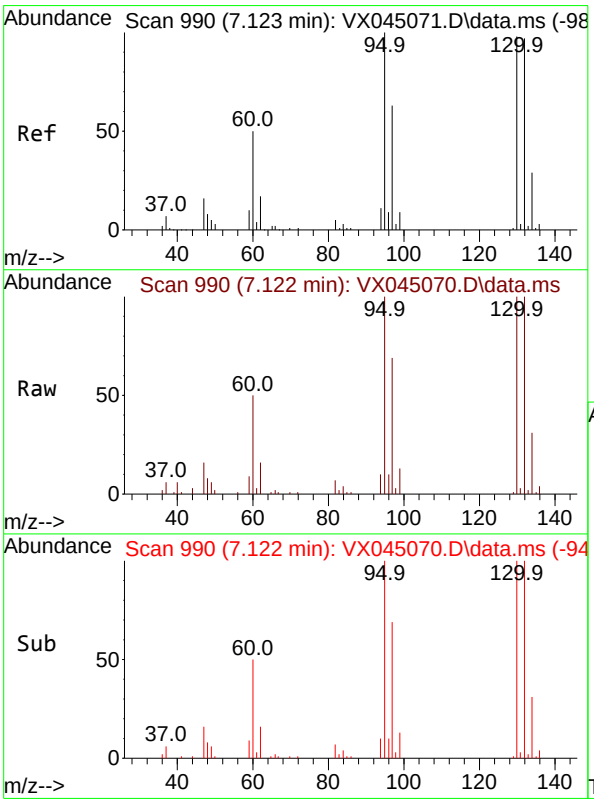
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66727

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

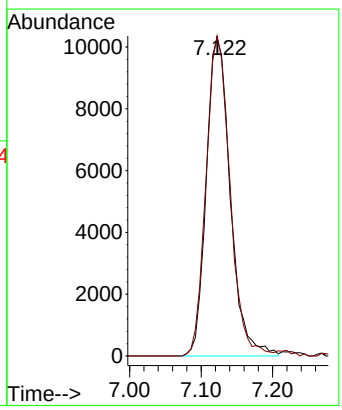


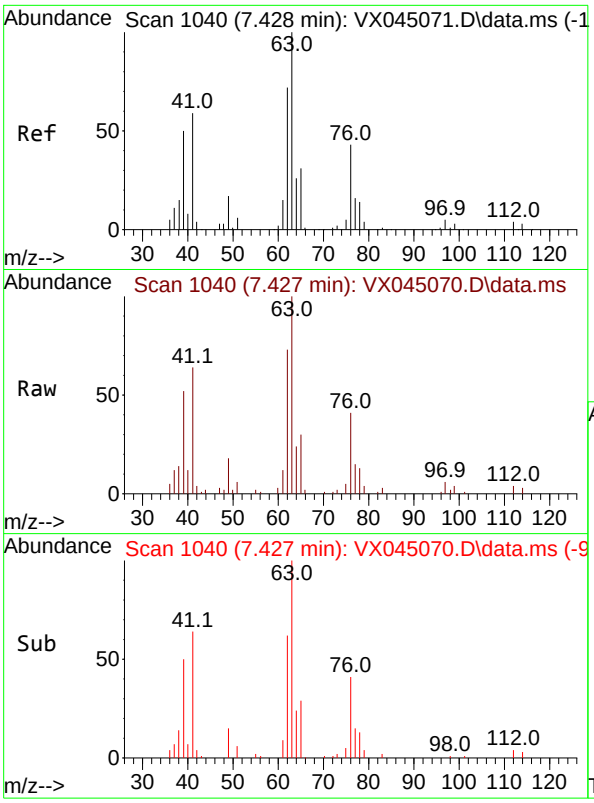


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



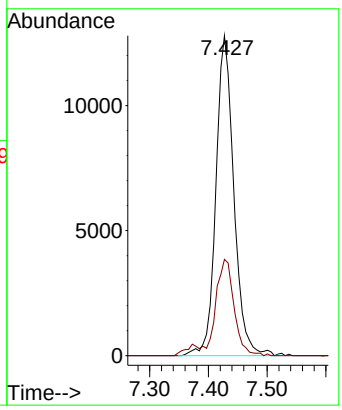


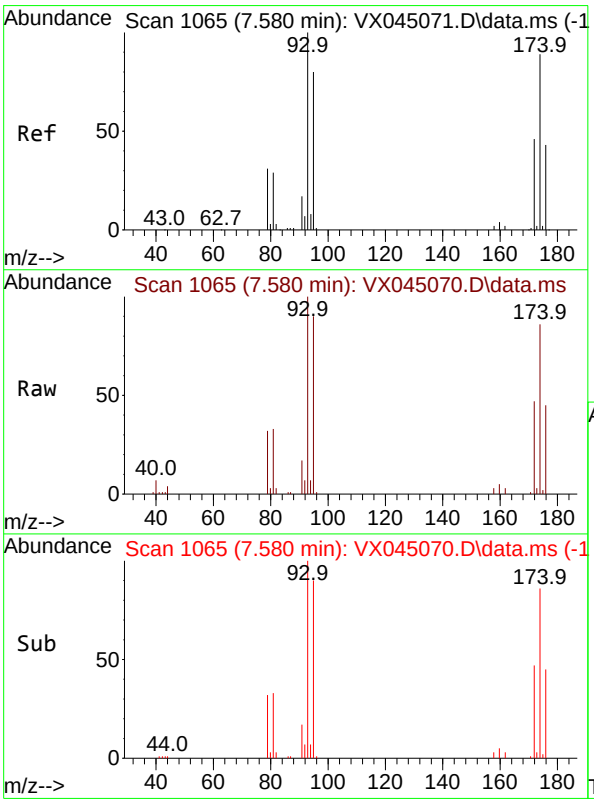
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

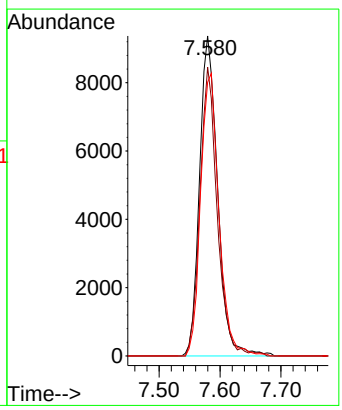


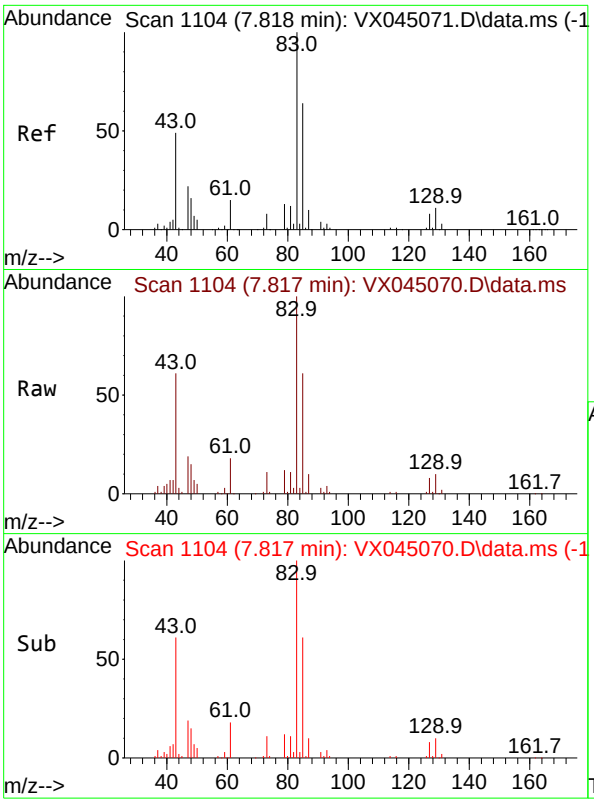


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2



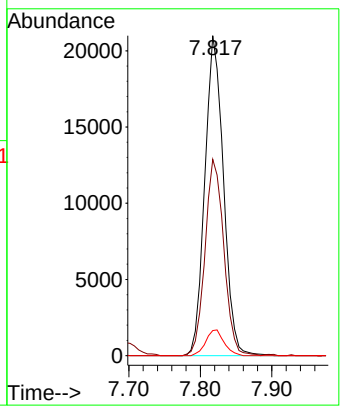


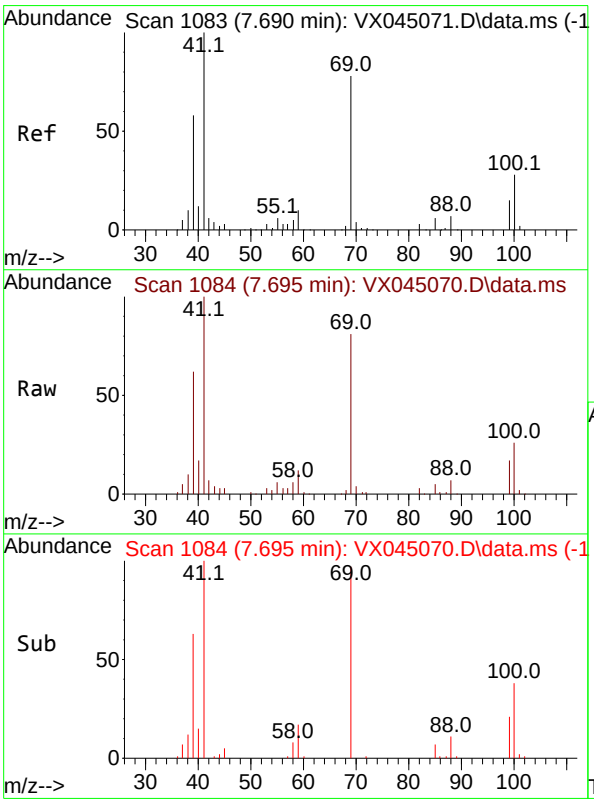
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38038

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6

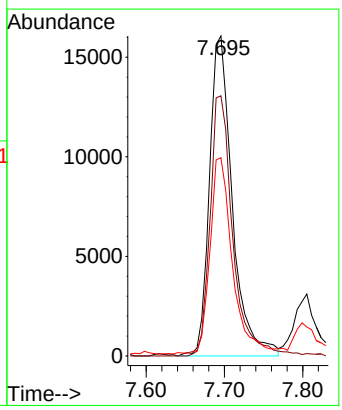


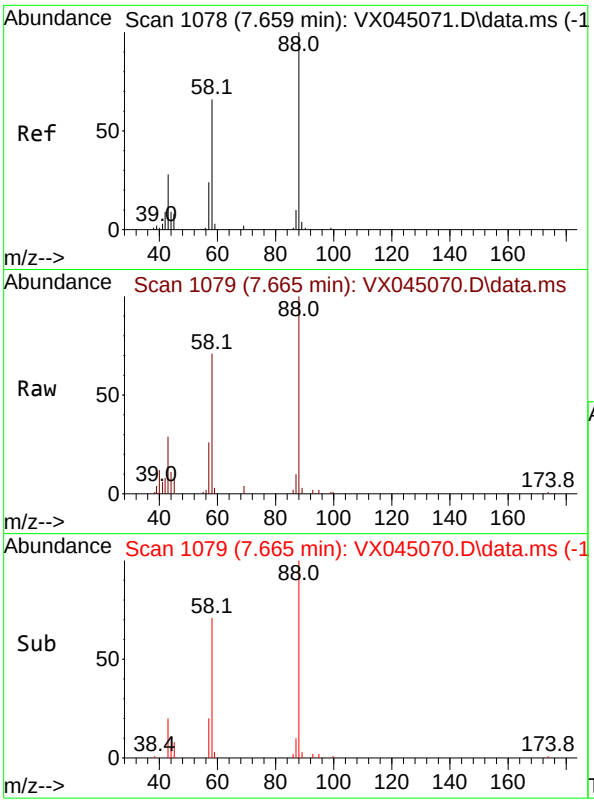


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3



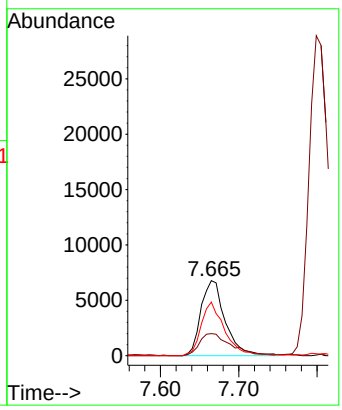


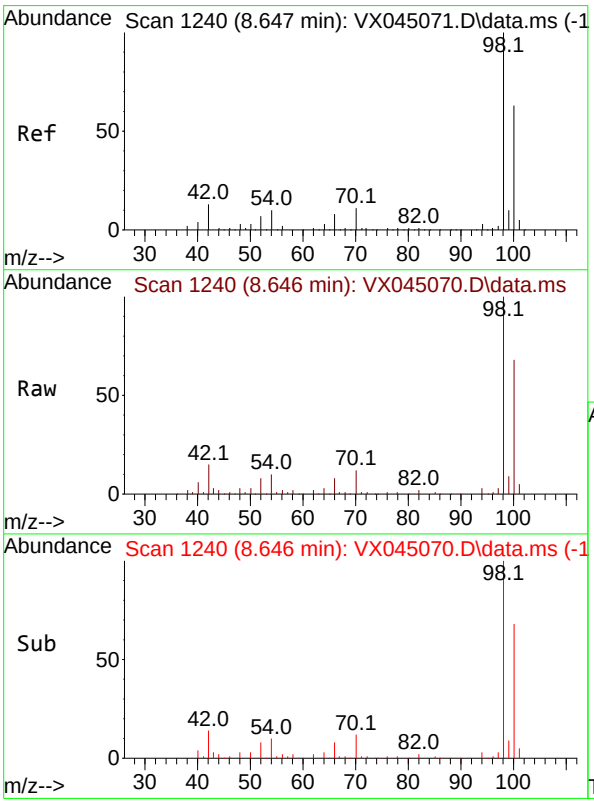
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 14602

Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8

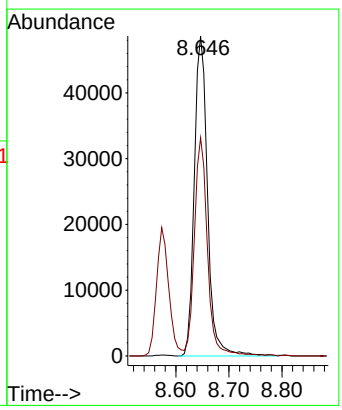


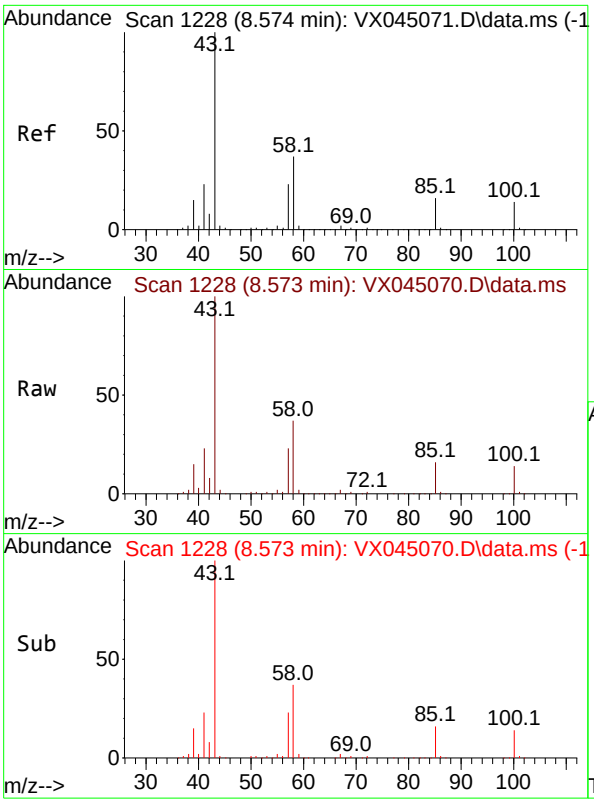


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



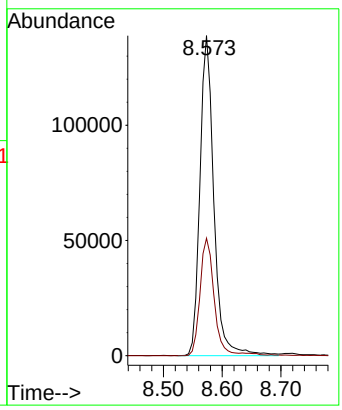


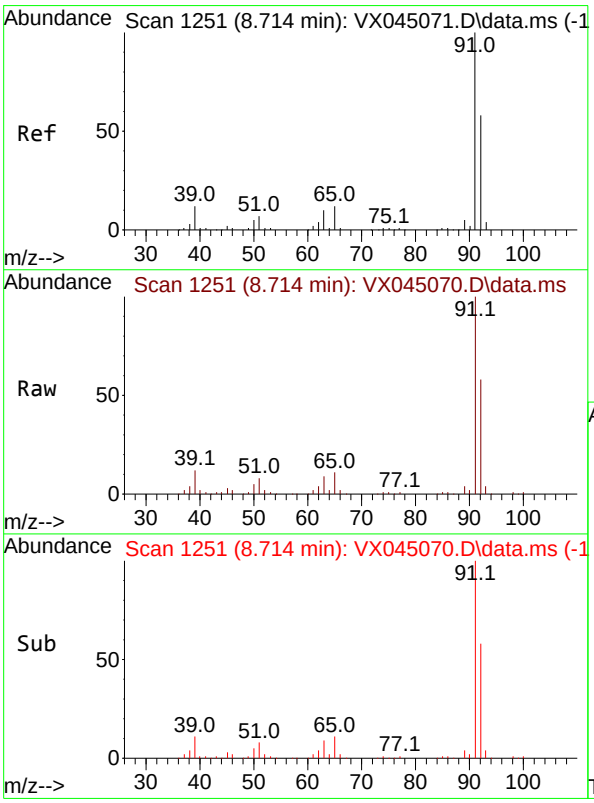
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

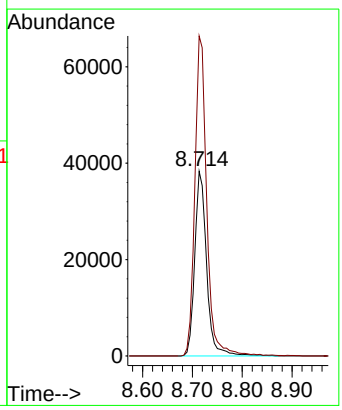


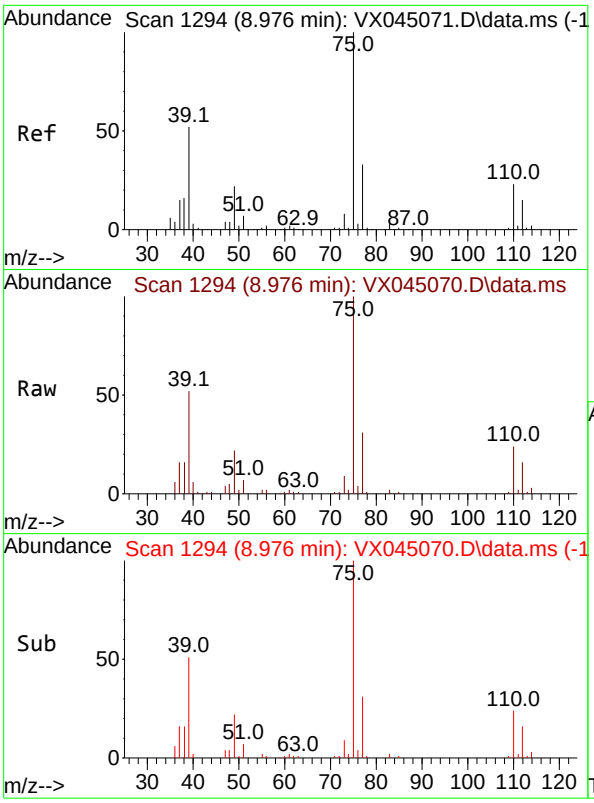


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



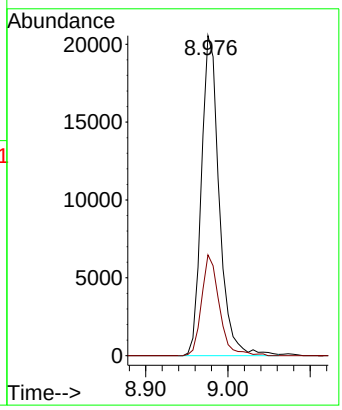


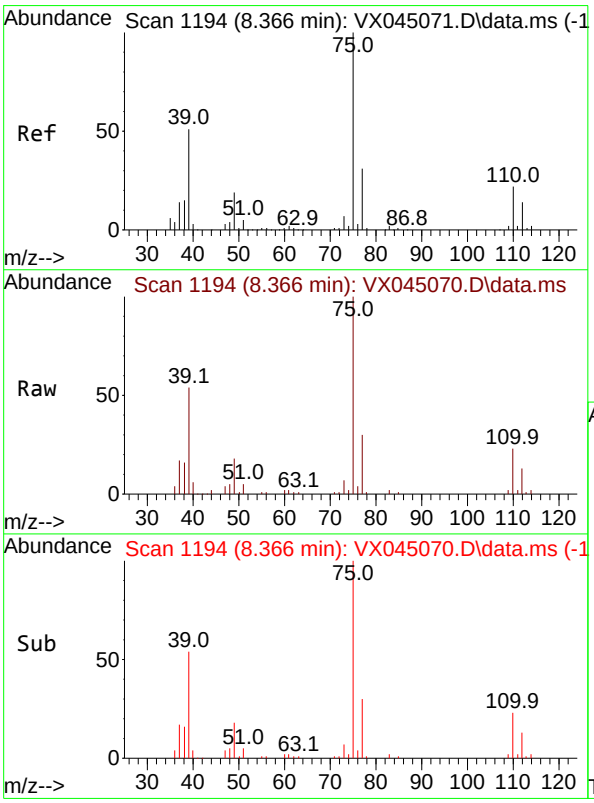
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

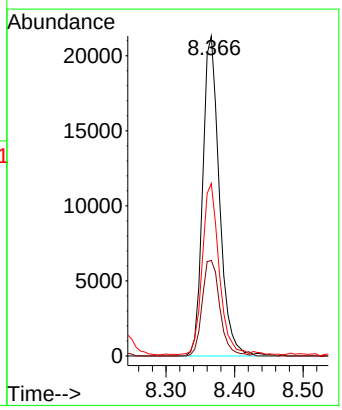


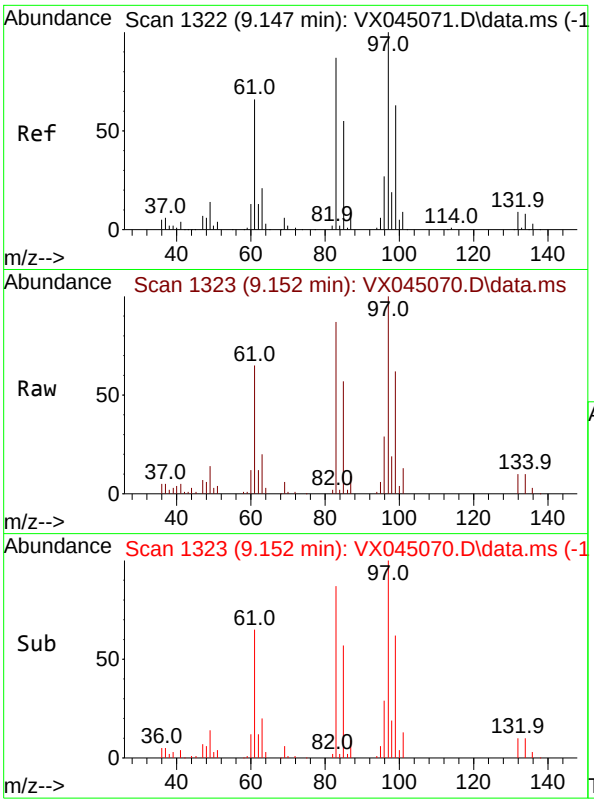


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1



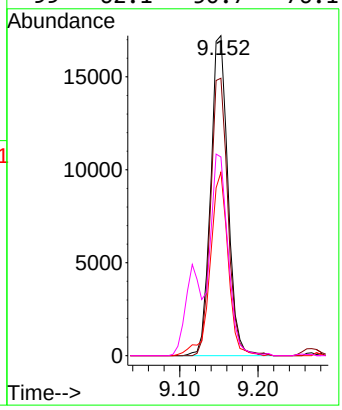


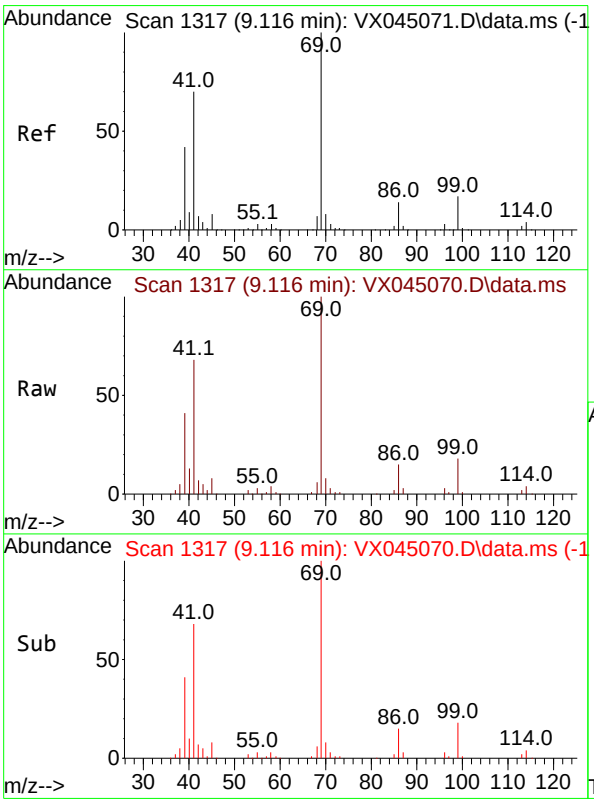
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 26358

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1

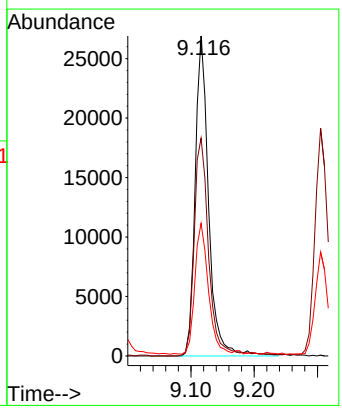


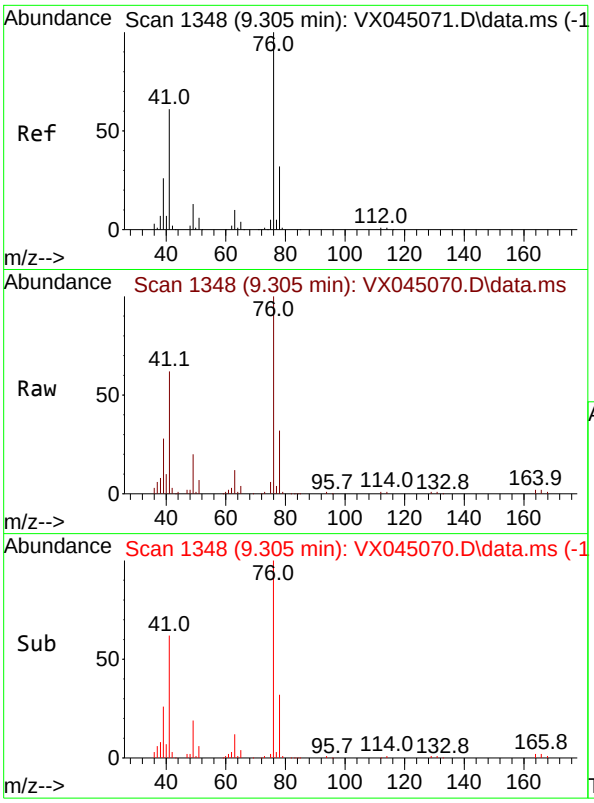


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4



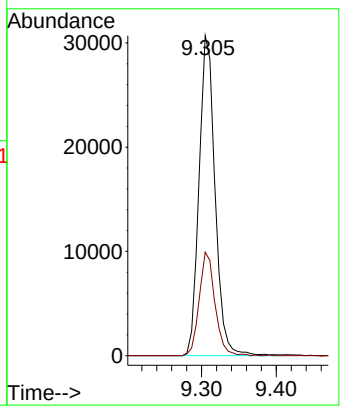


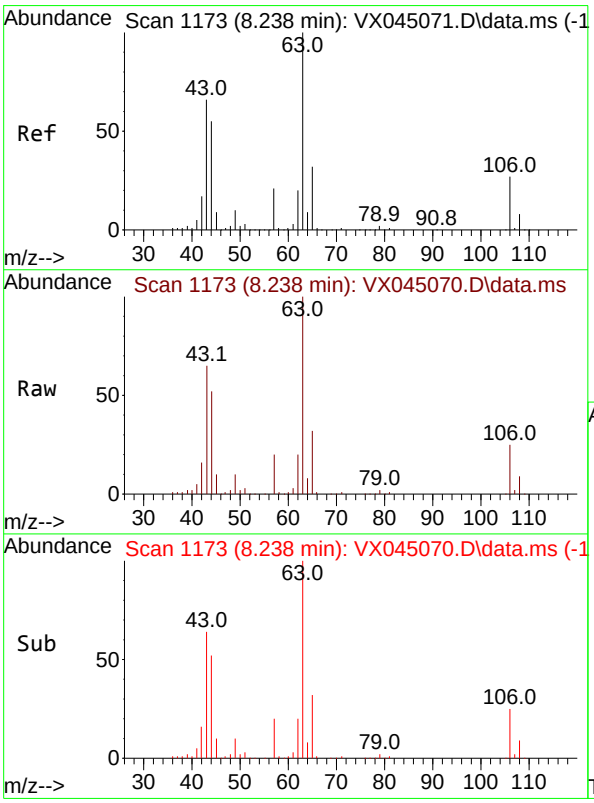
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

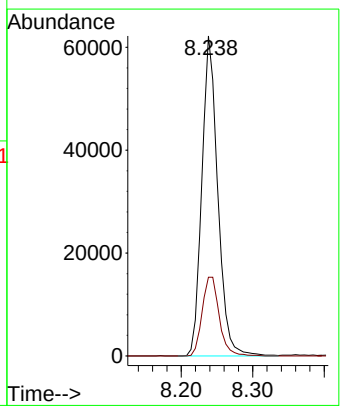


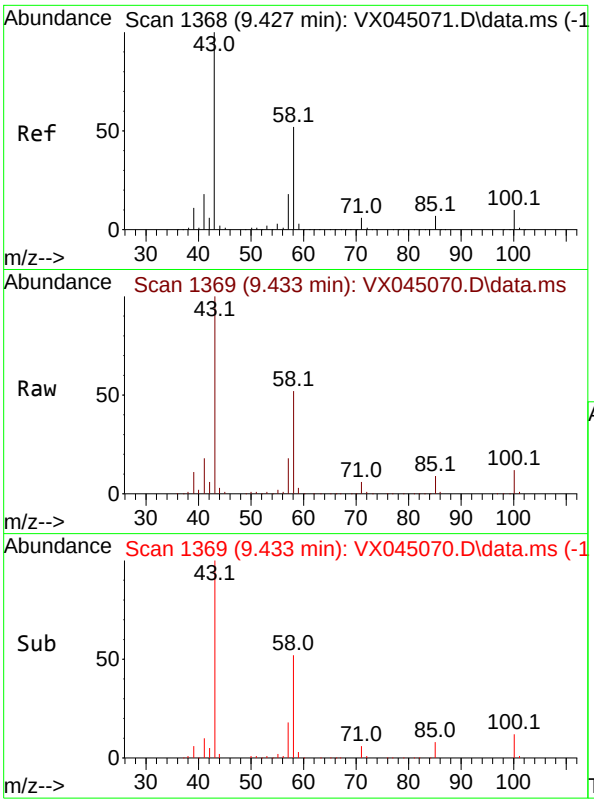


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



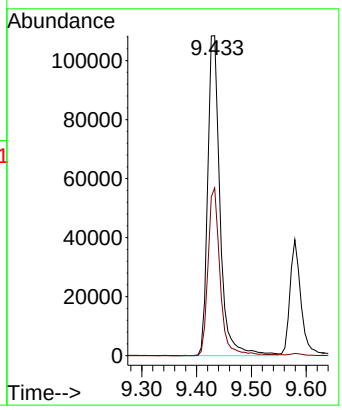


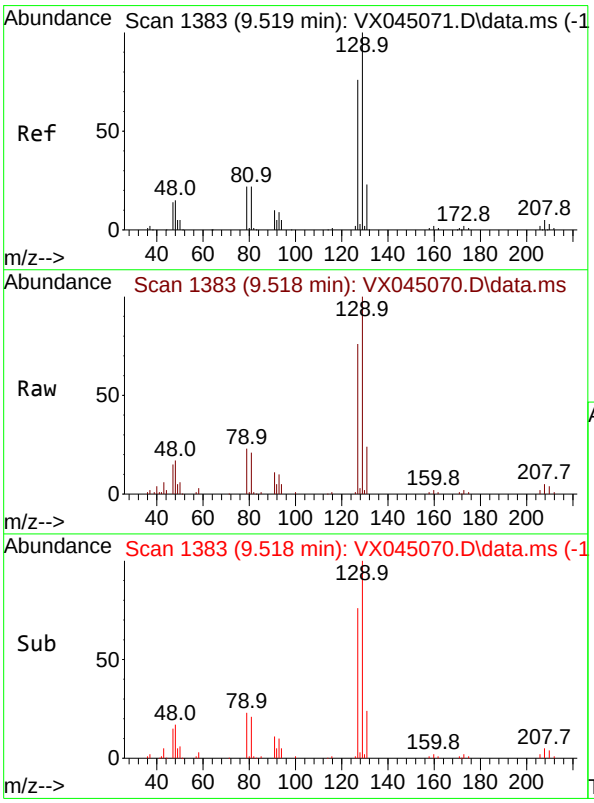
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

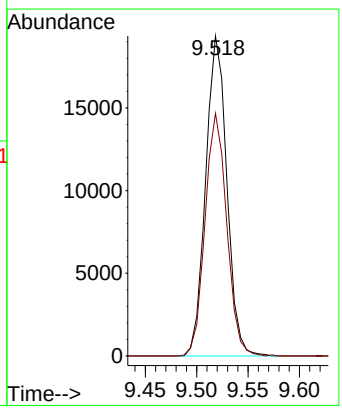


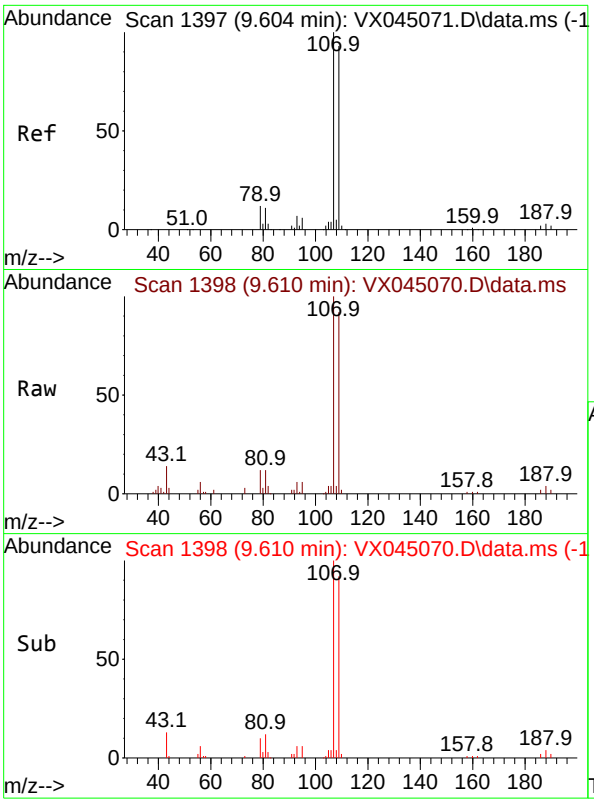


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



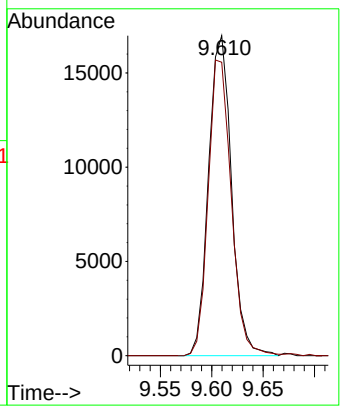


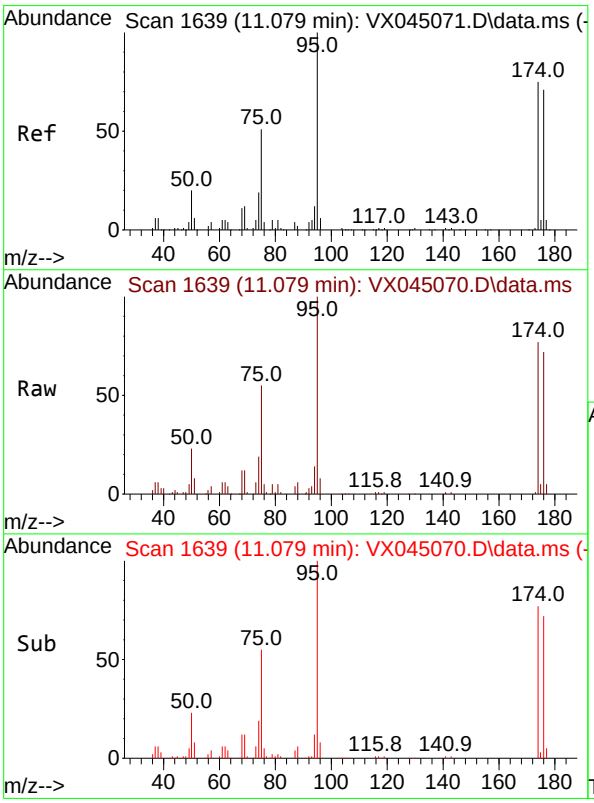
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

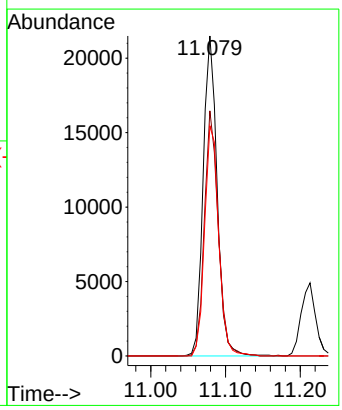


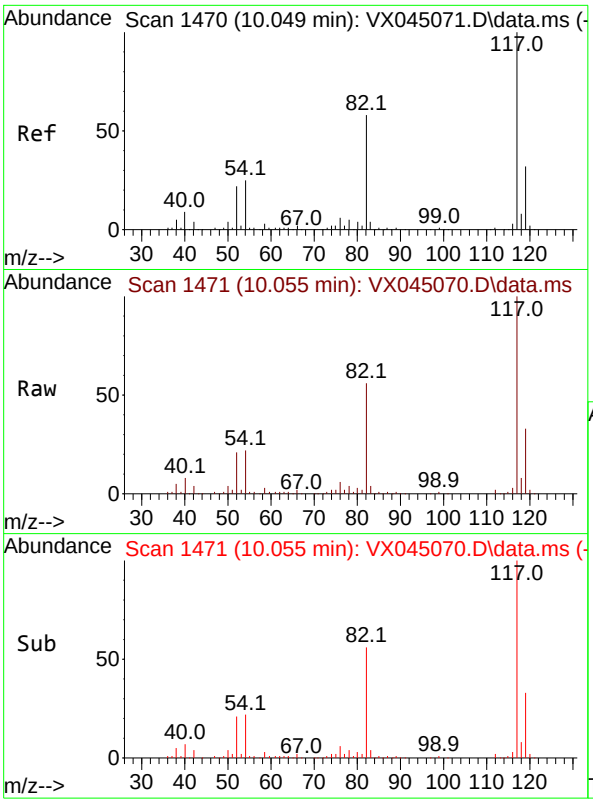


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4



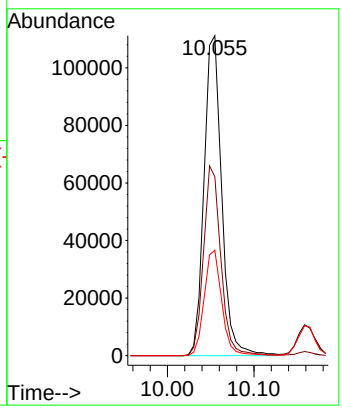


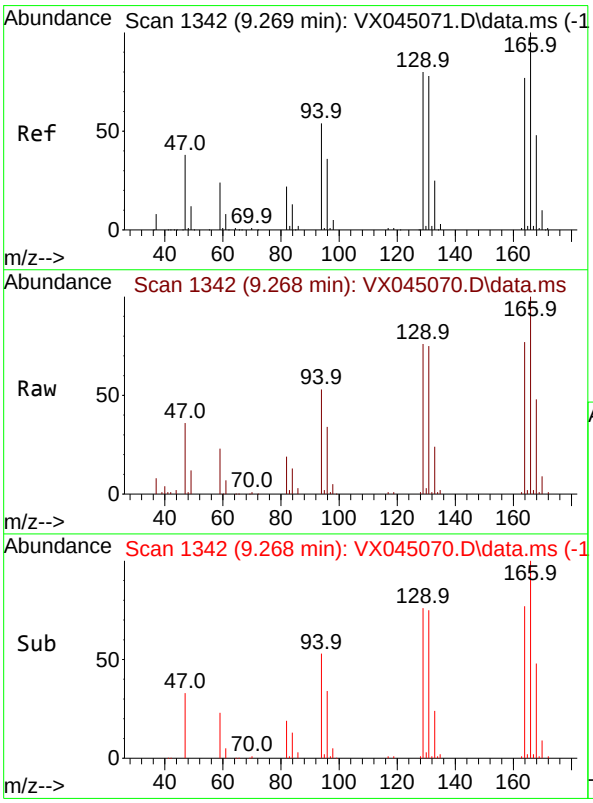
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 157714

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5

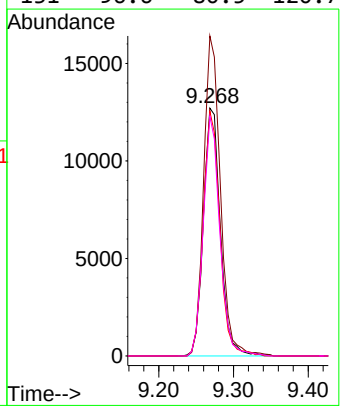


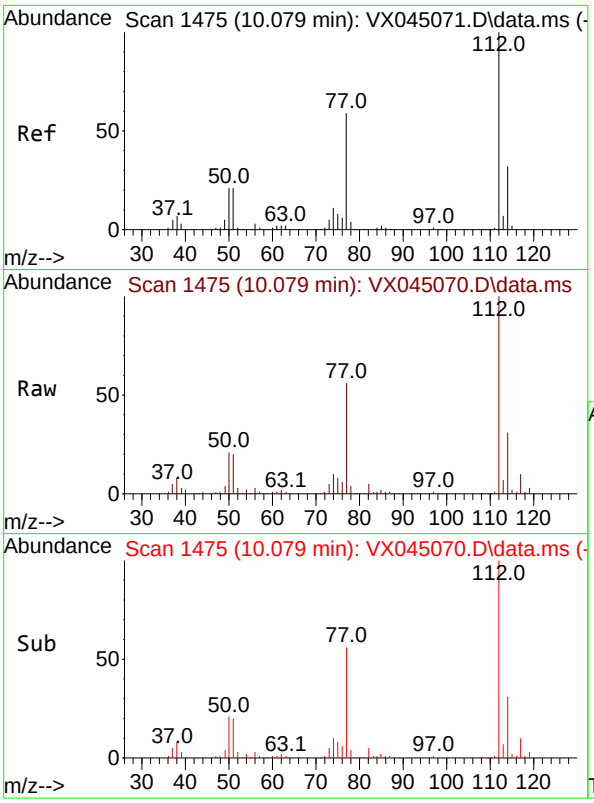


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7



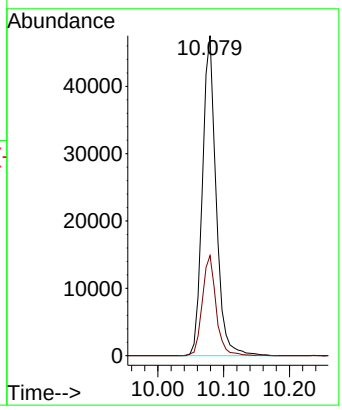


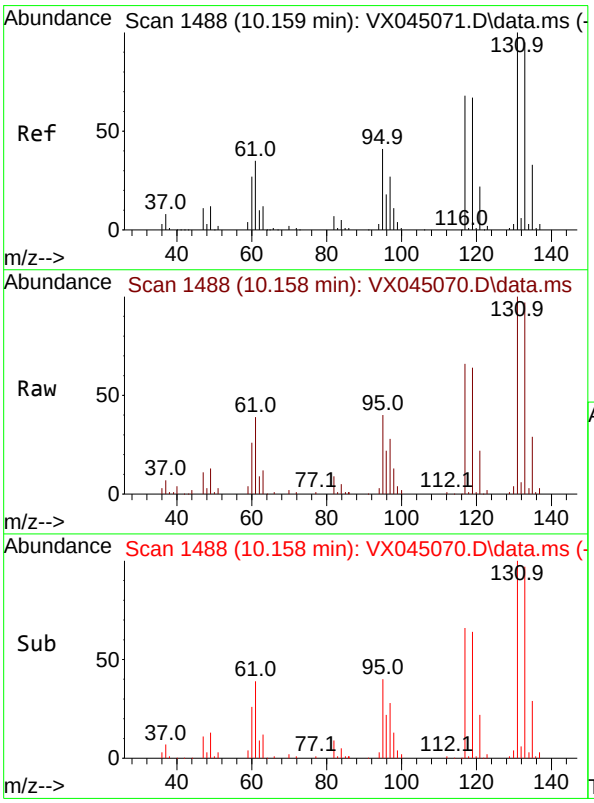
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

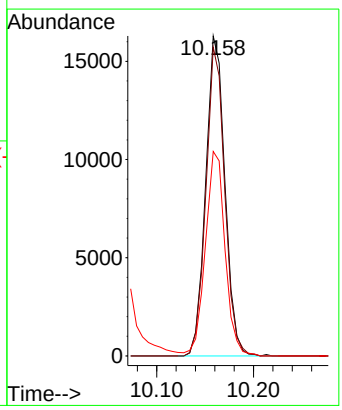


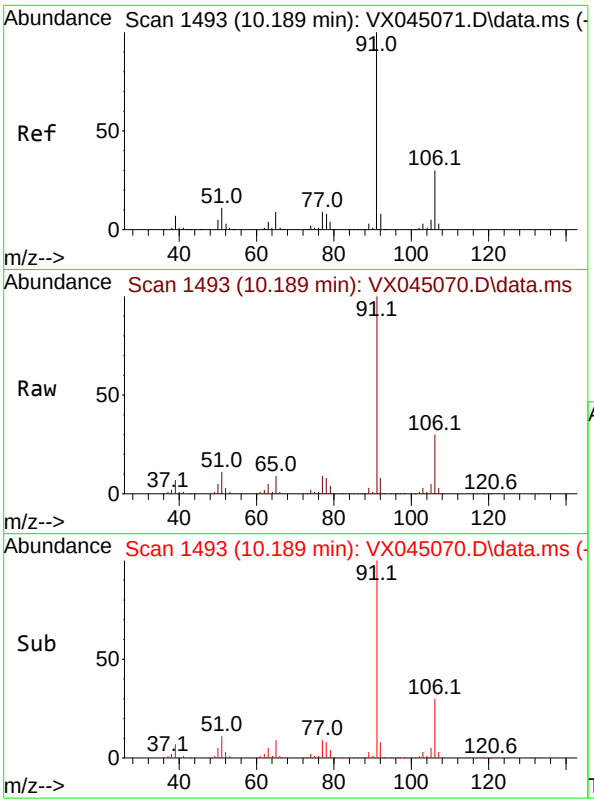


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7



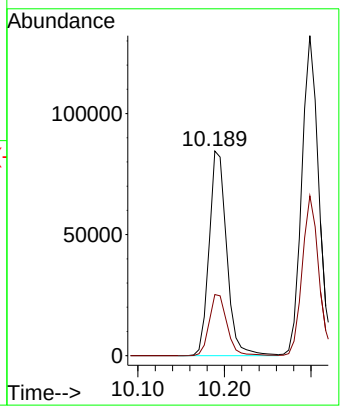


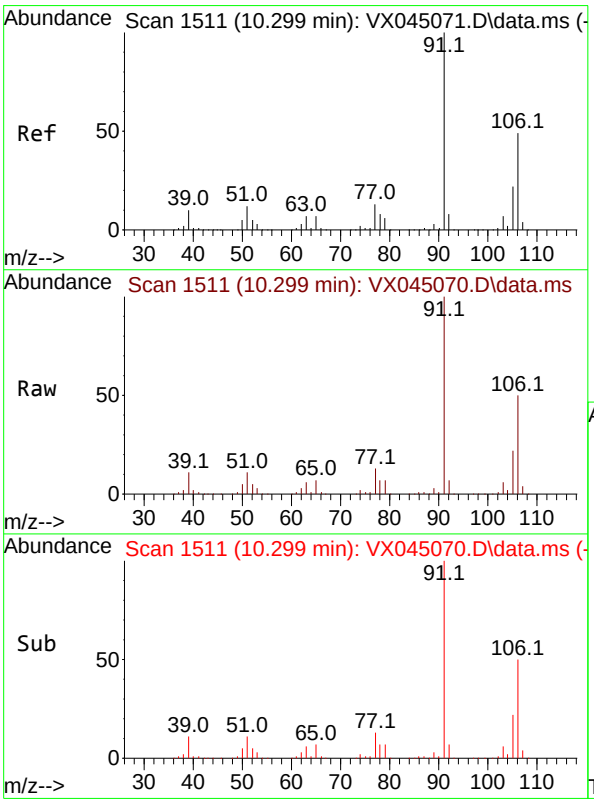
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

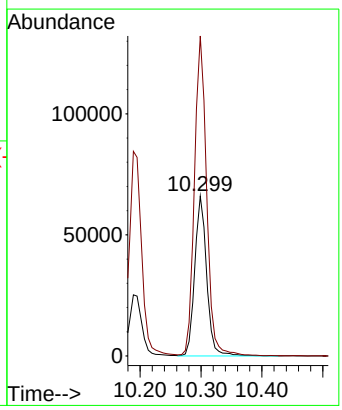


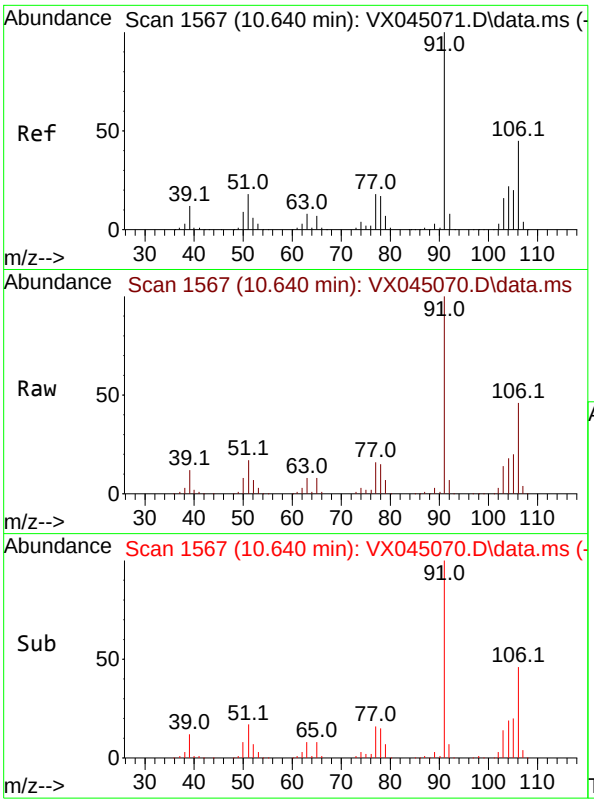


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



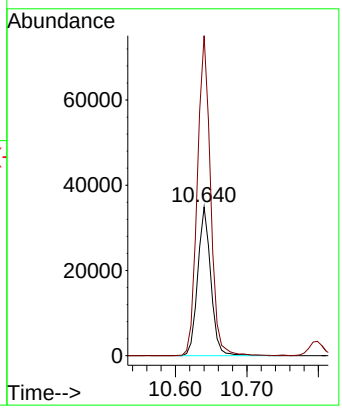


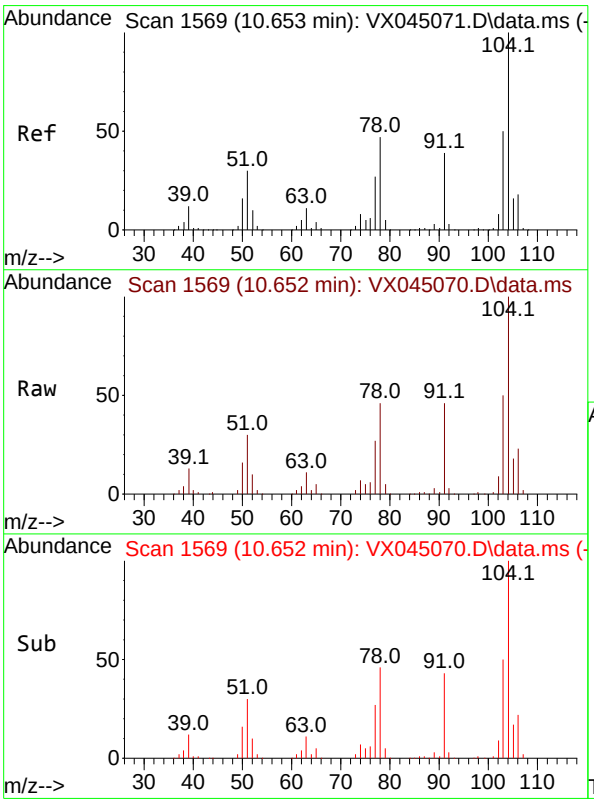
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

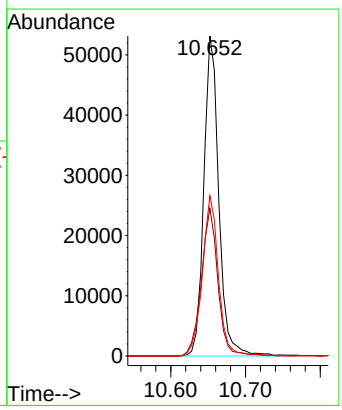


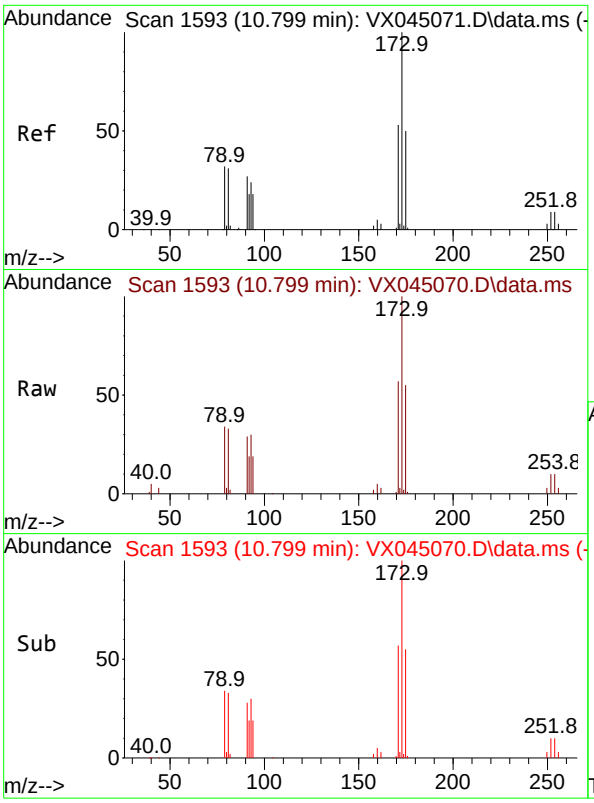


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8



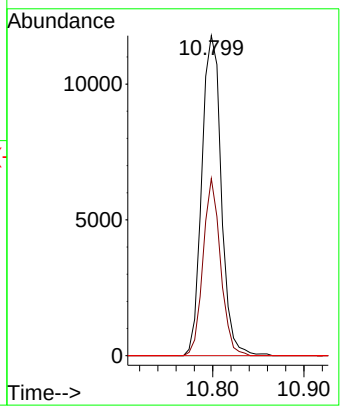


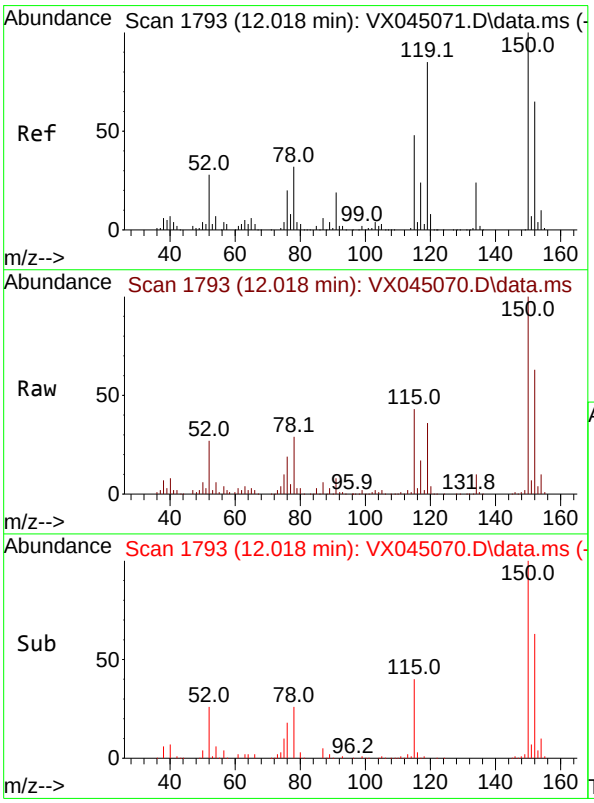
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 17403

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0

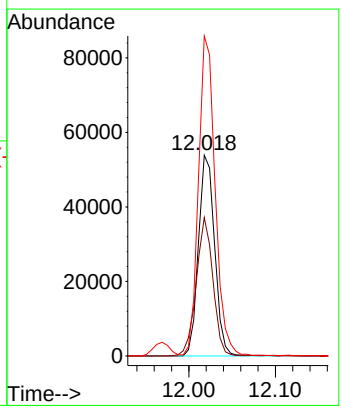


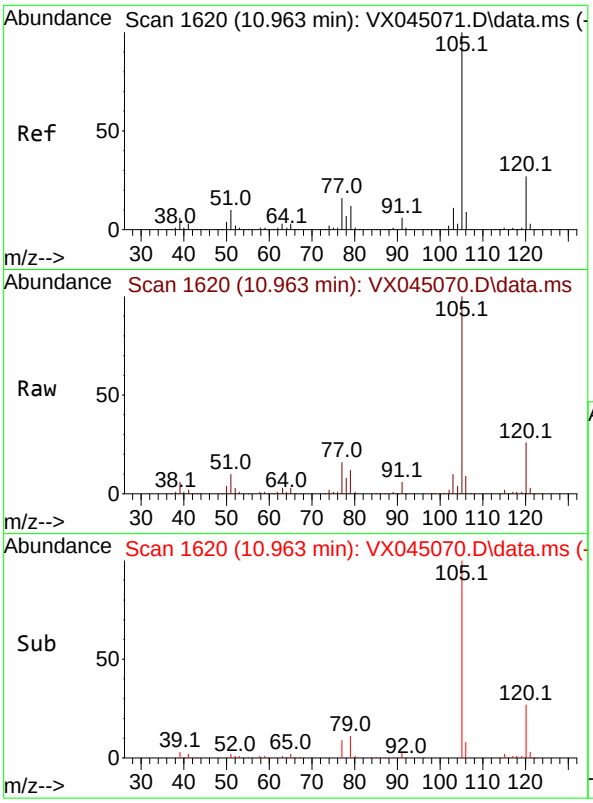


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0



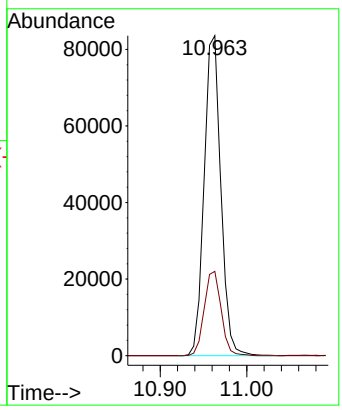


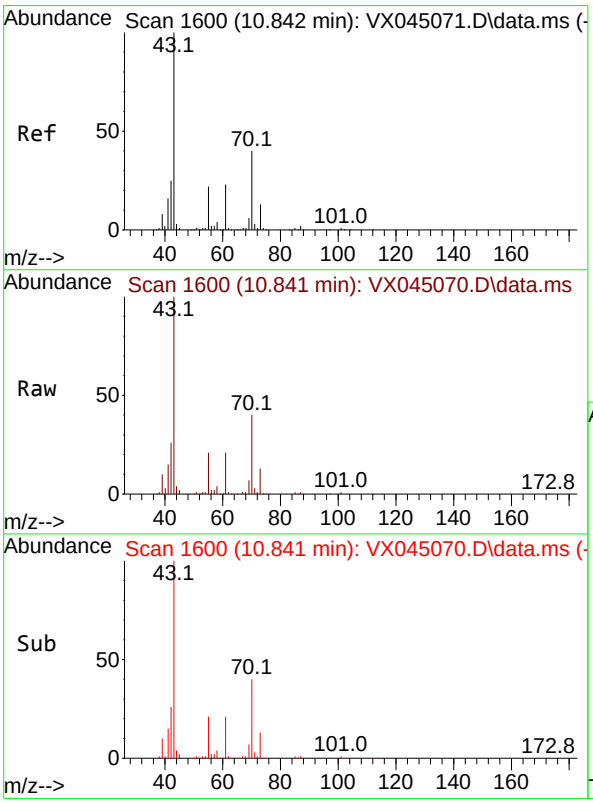
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

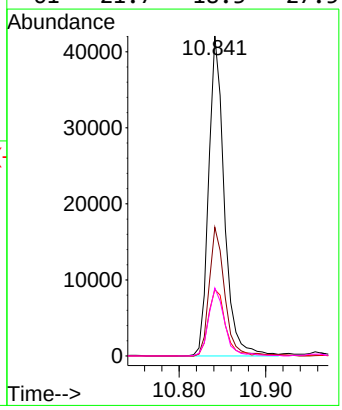


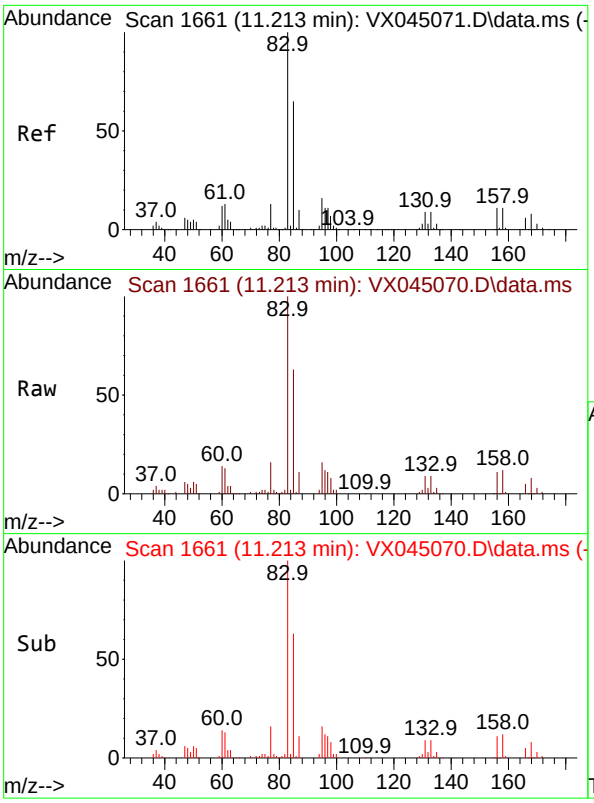


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5



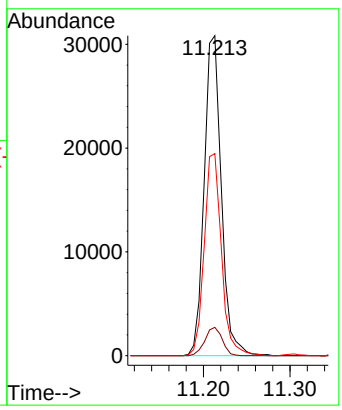


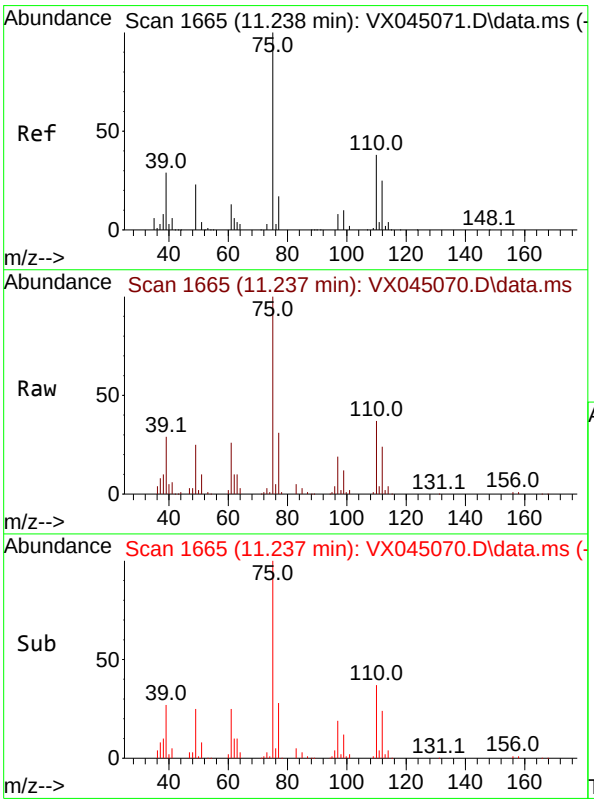
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 42413

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

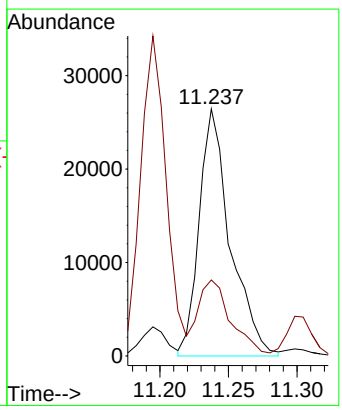


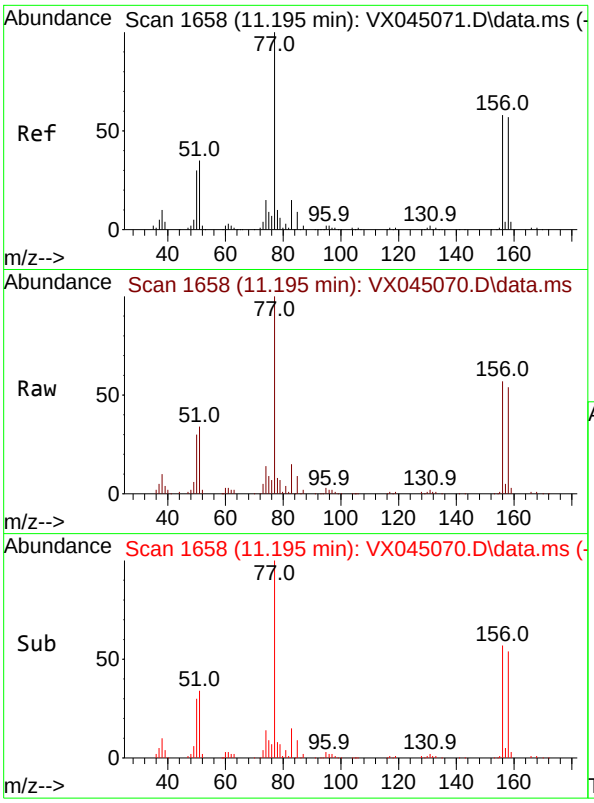


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



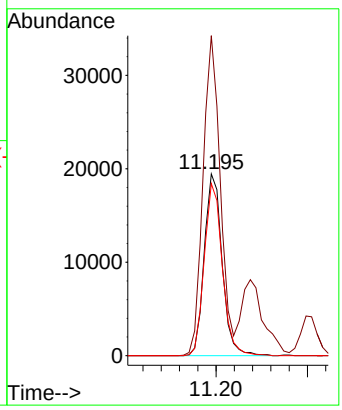


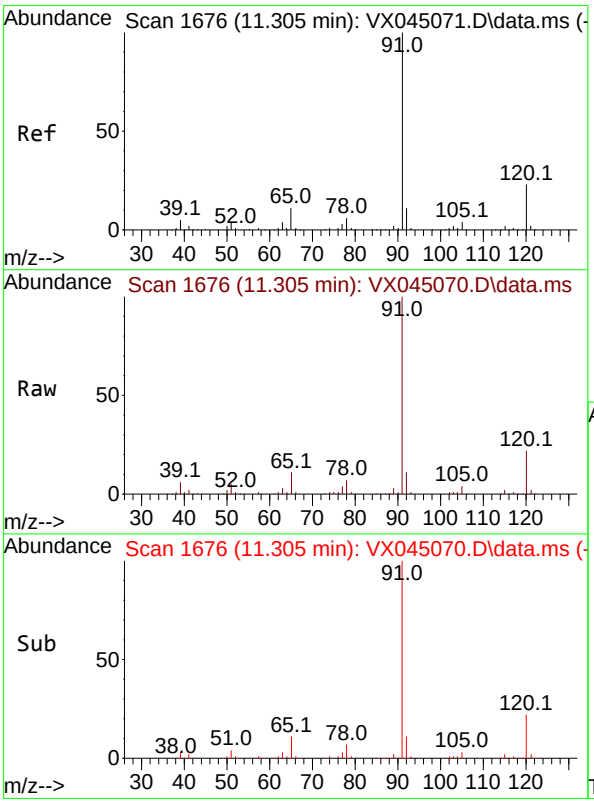
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 26310

Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2

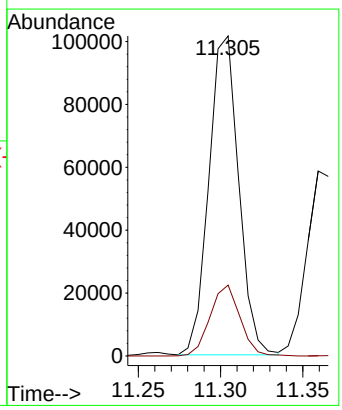


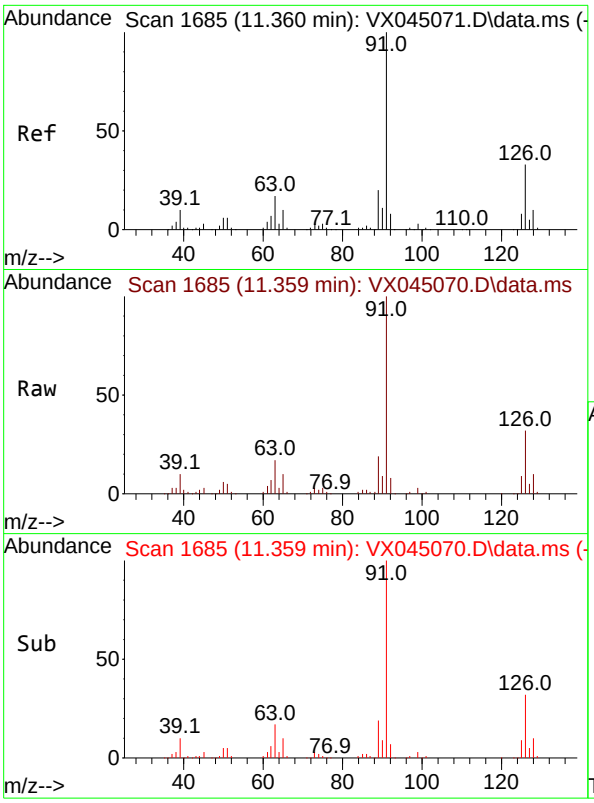


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



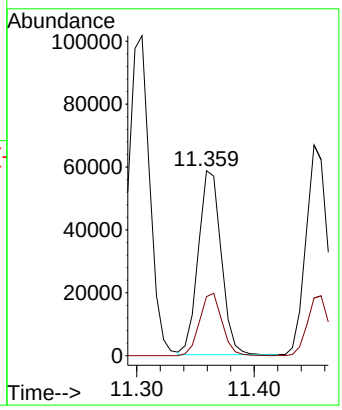


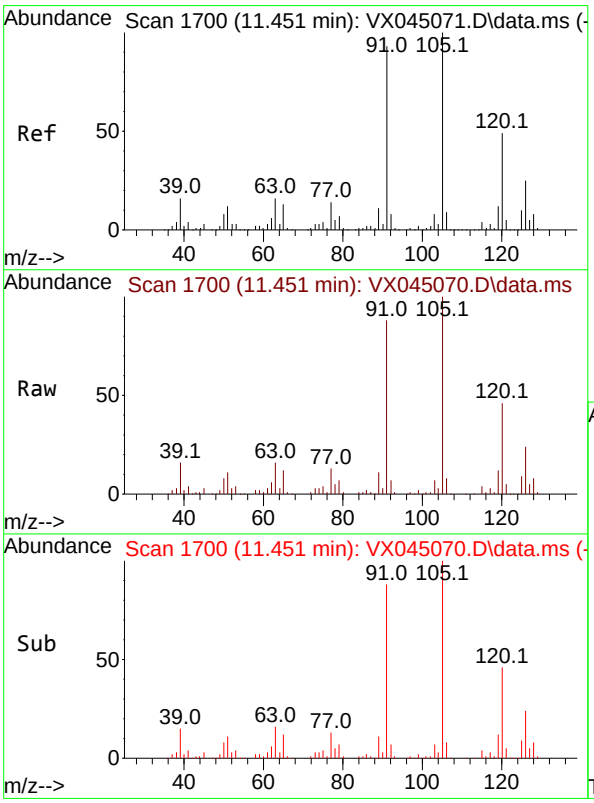
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

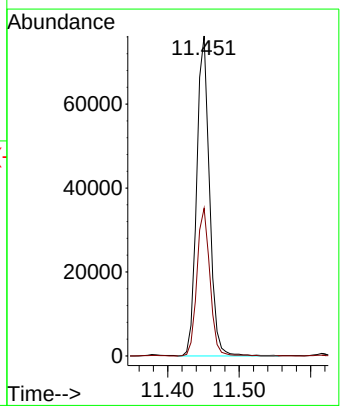


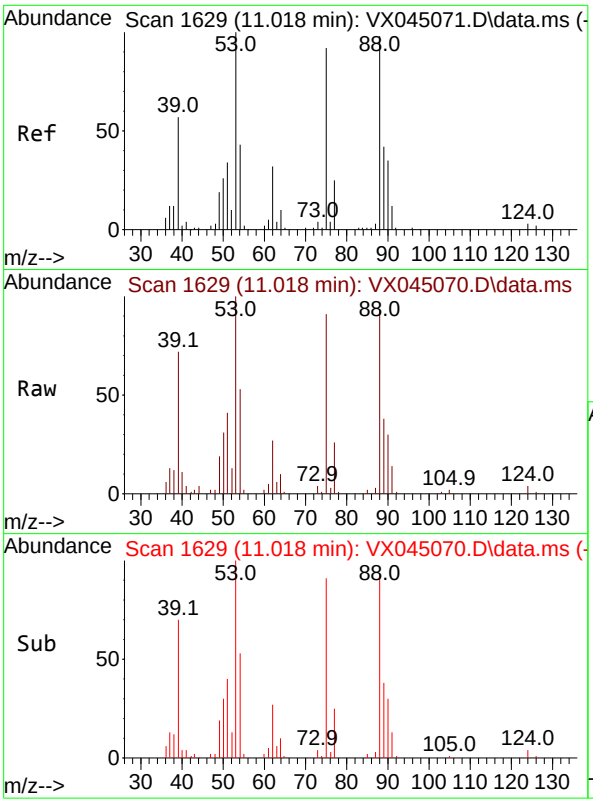


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



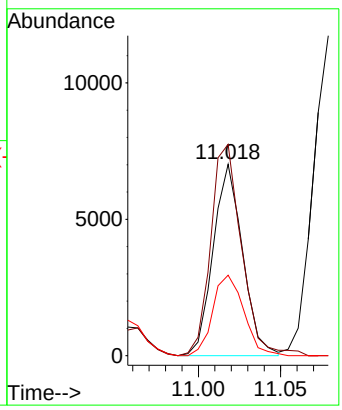


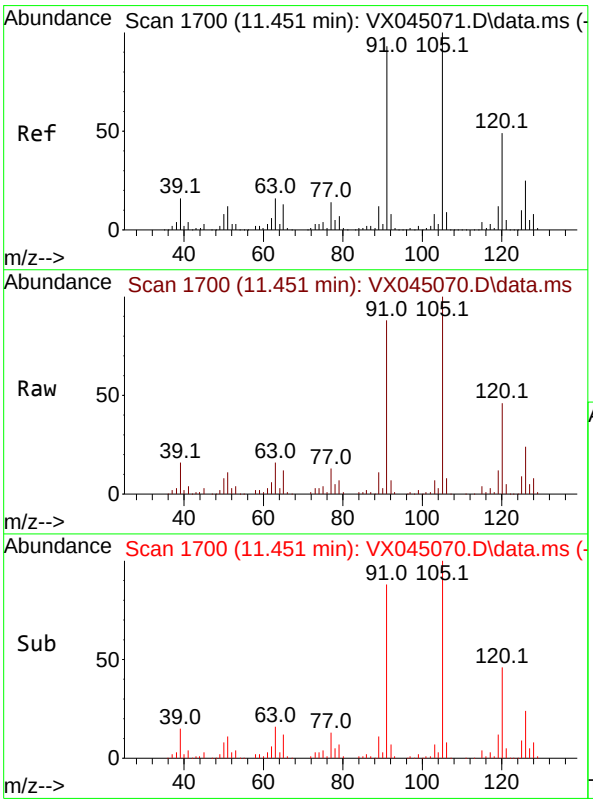
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8759

Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

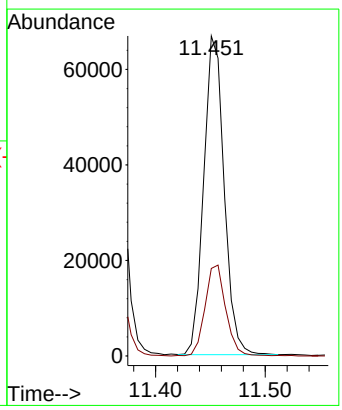


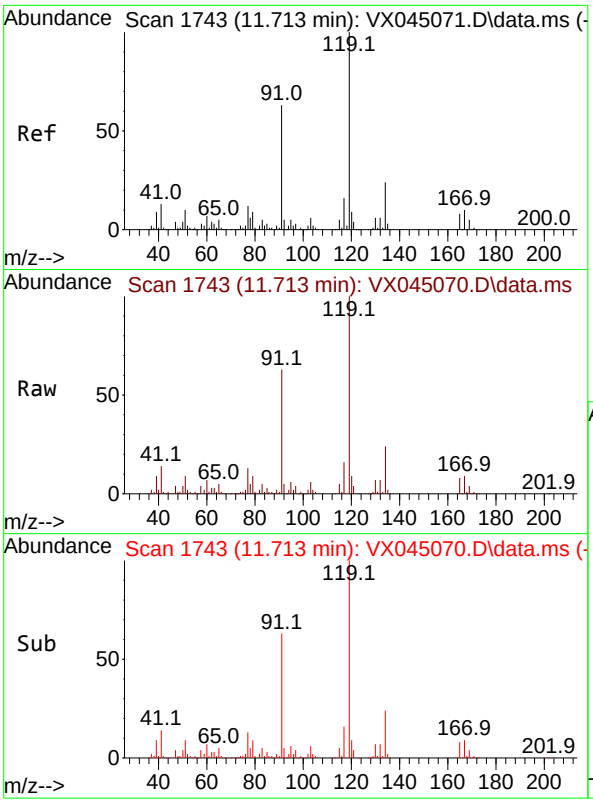


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



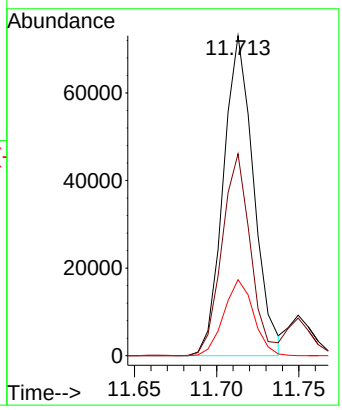


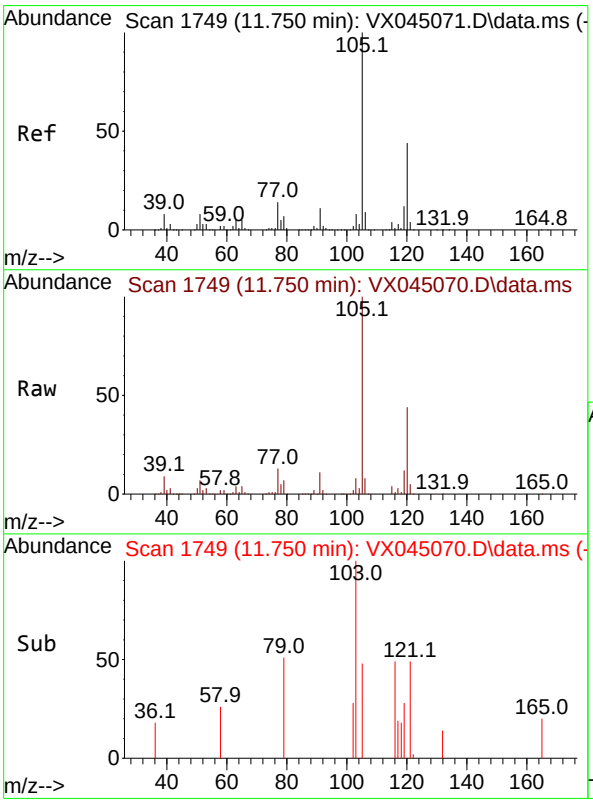
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 93670

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0

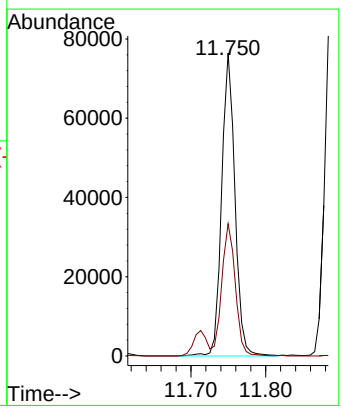


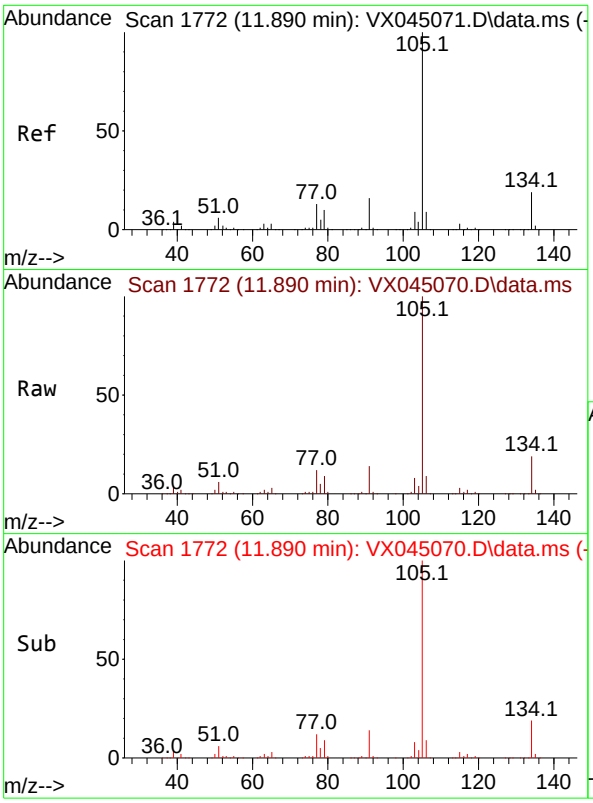


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



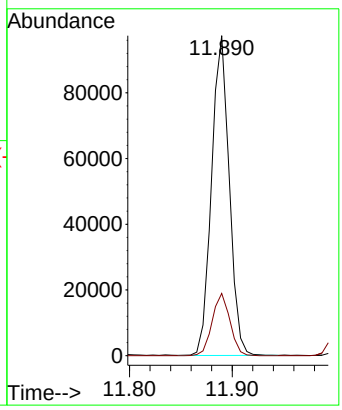


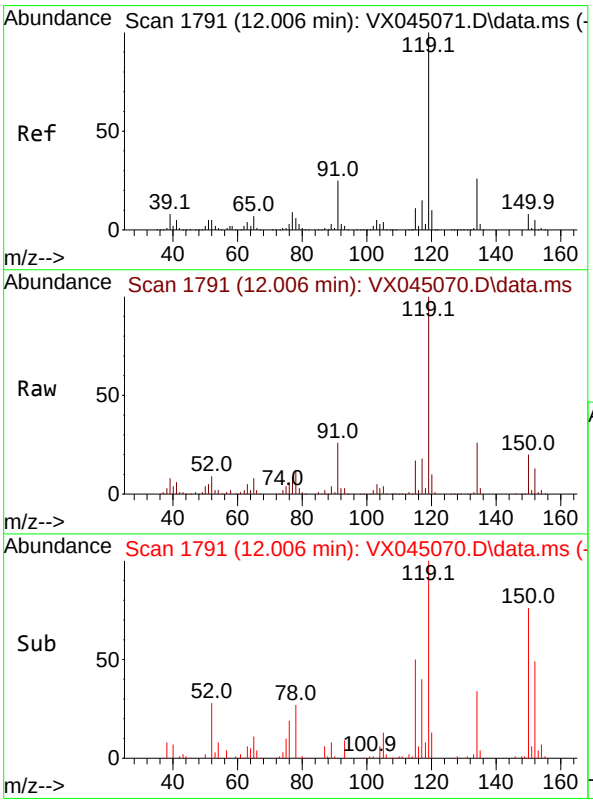
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

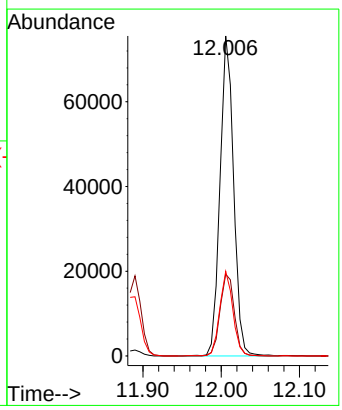


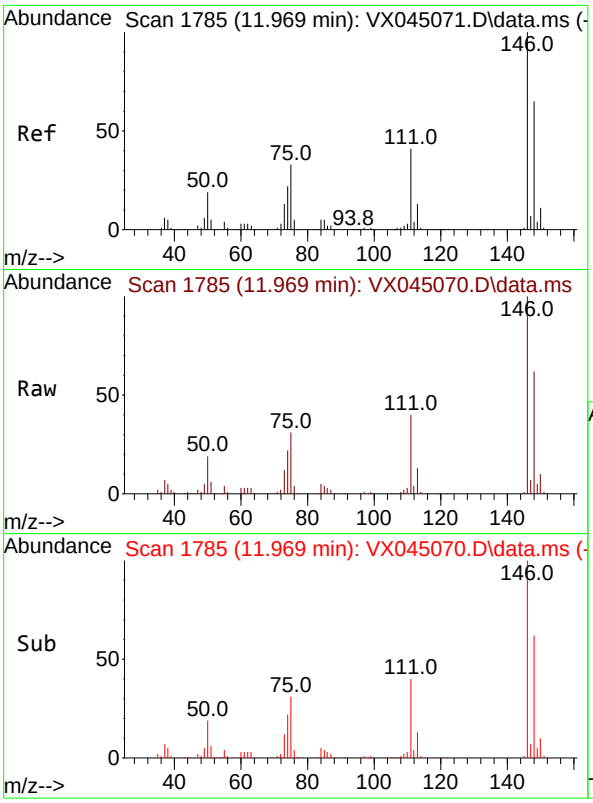


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0



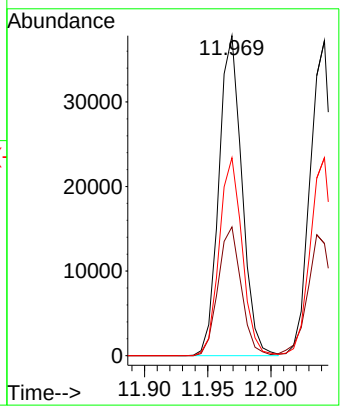


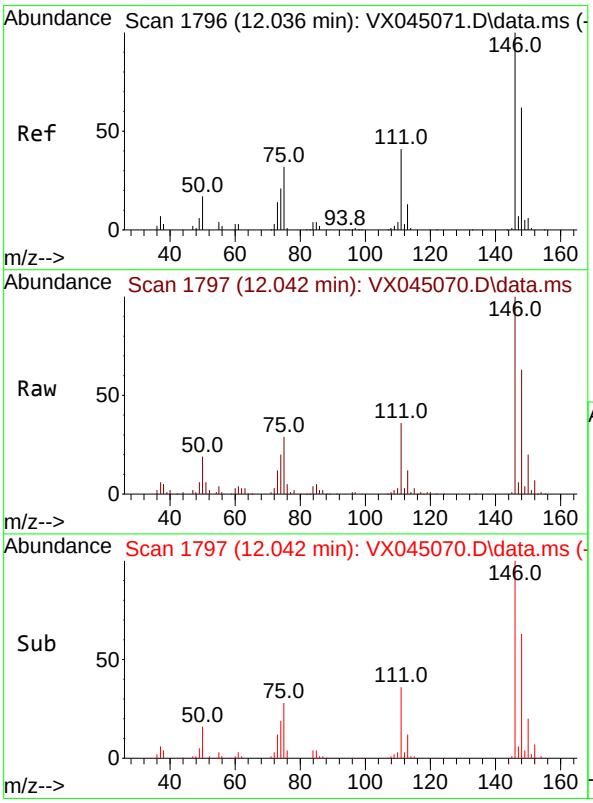
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 47934

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7

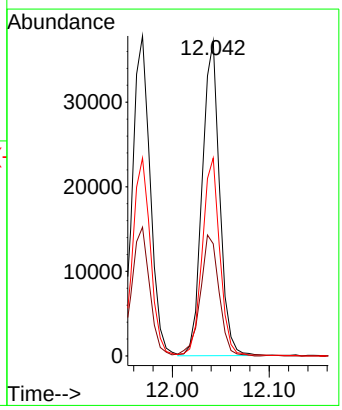


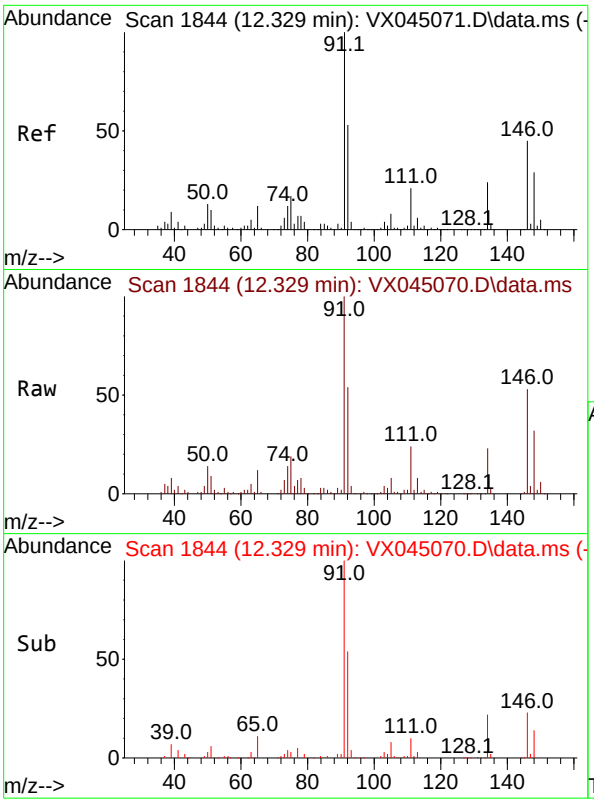


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9



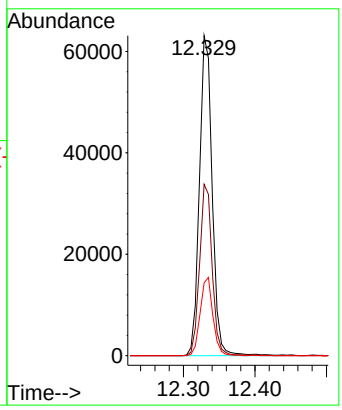


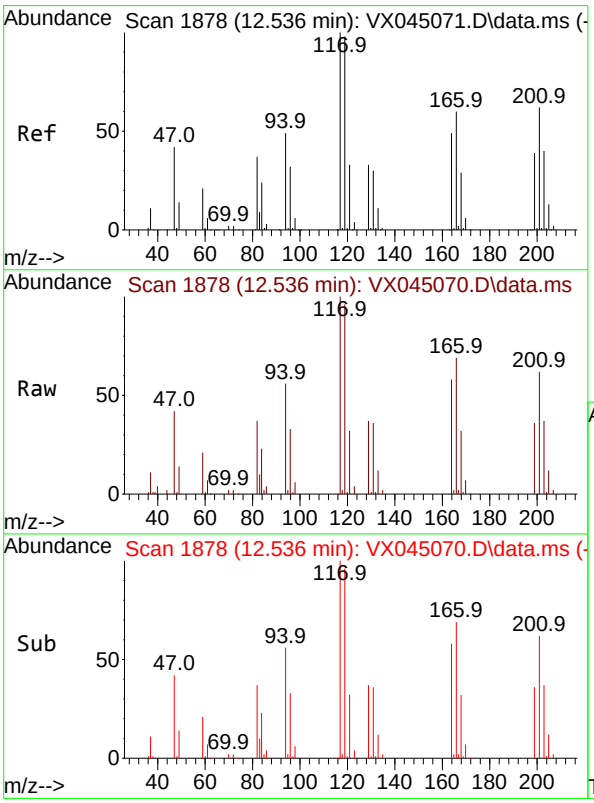
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 78135

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

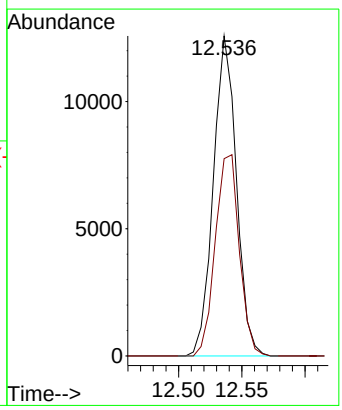


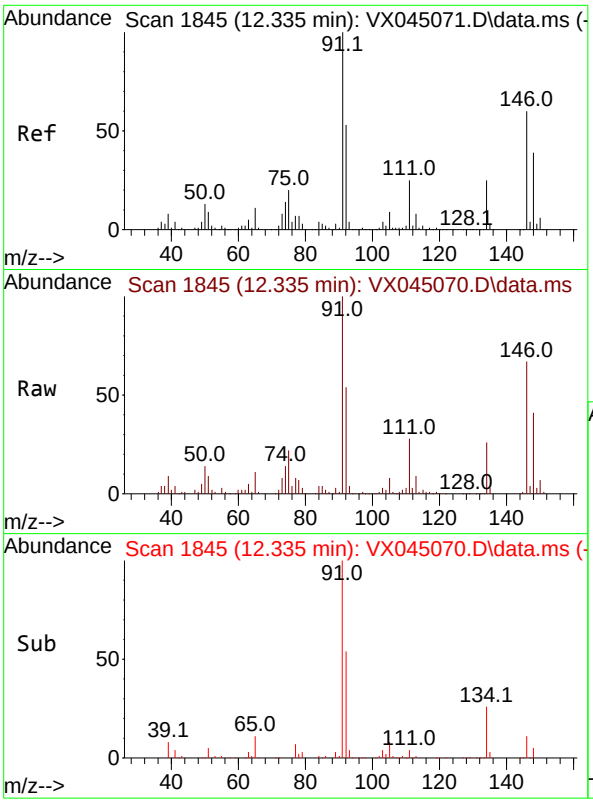


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



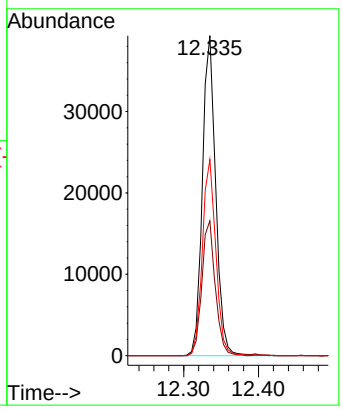


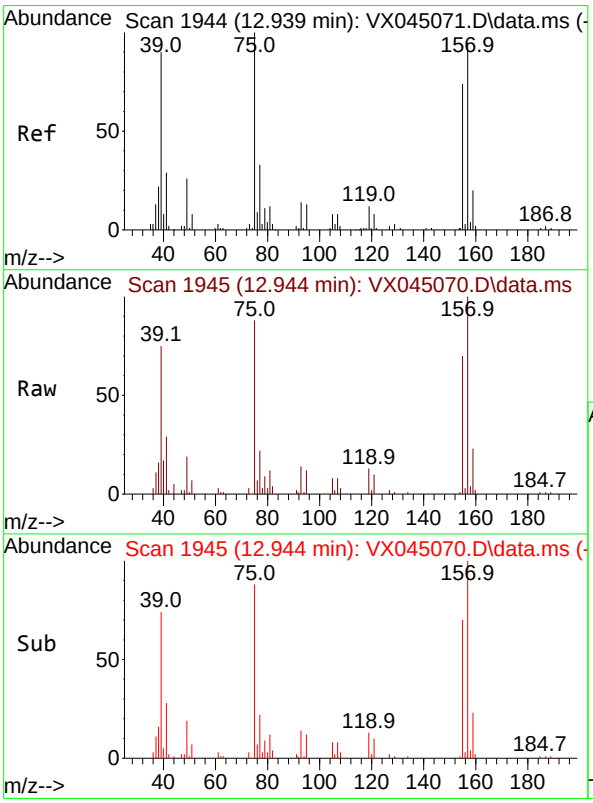
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 48632

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9

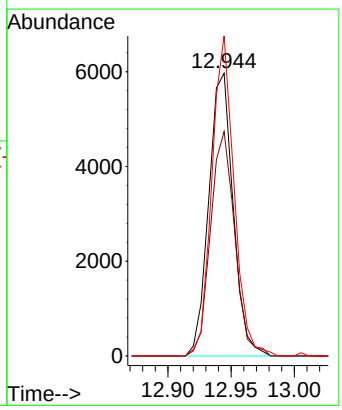


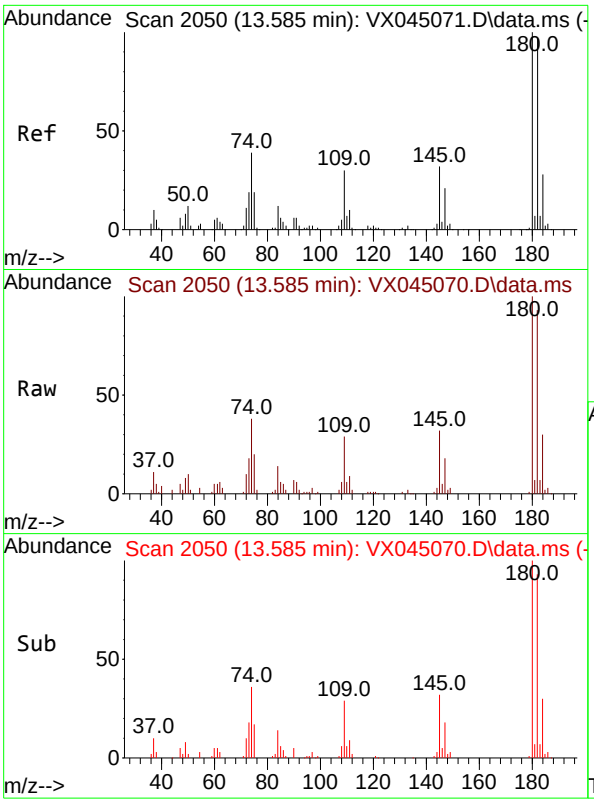


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4



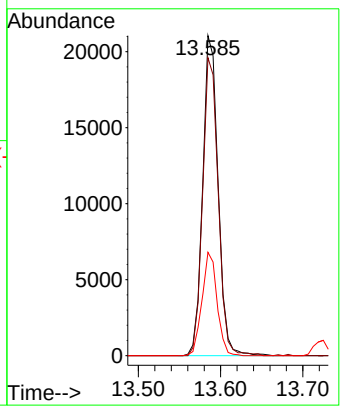


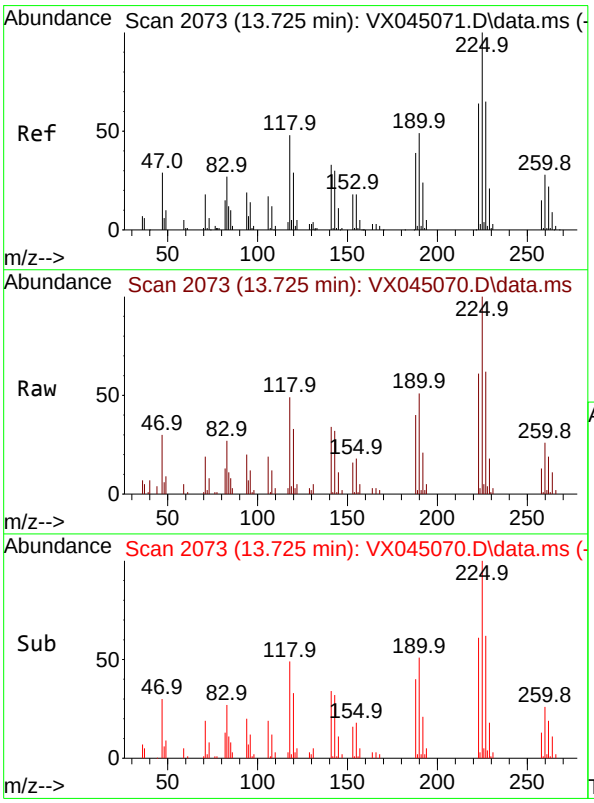
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 27424

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9

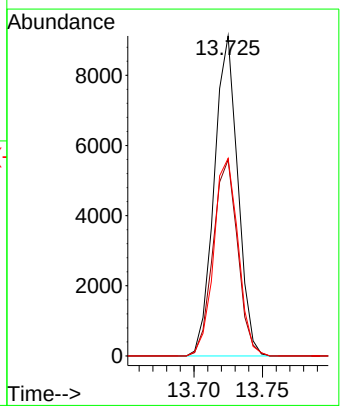


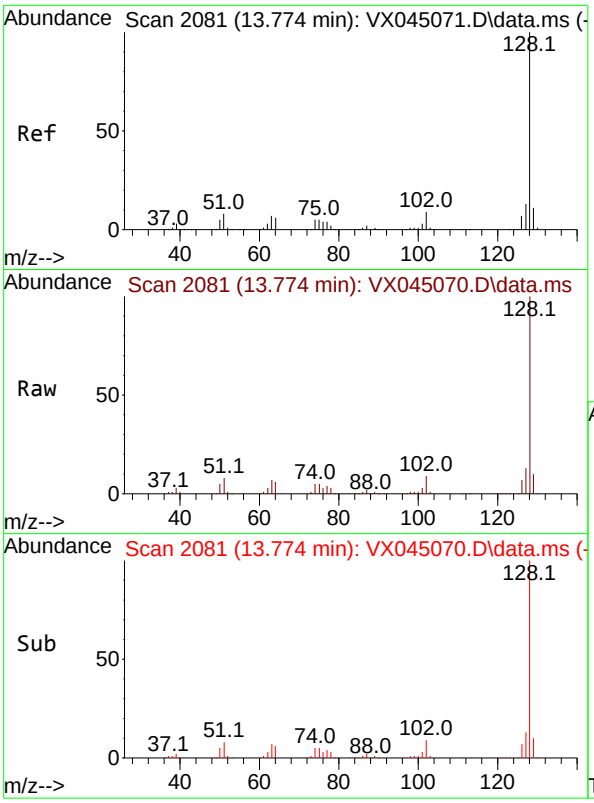


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0



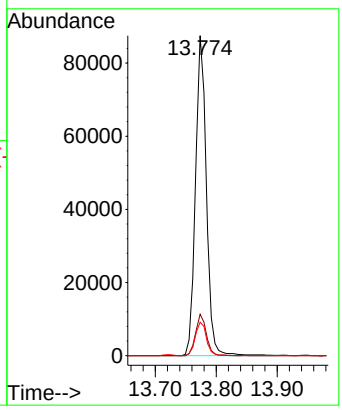


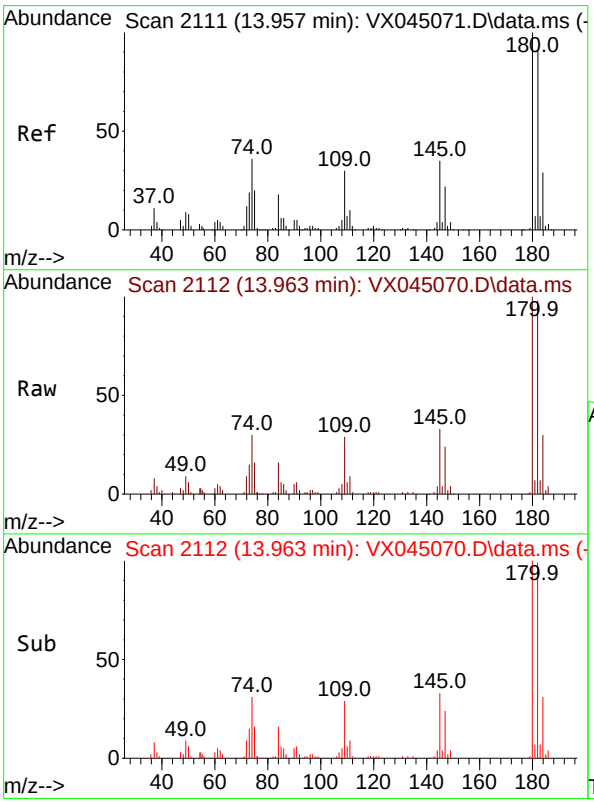
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 108350

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

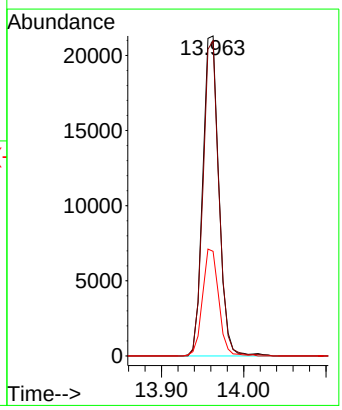




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	103161	64.894	ug/l		86
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

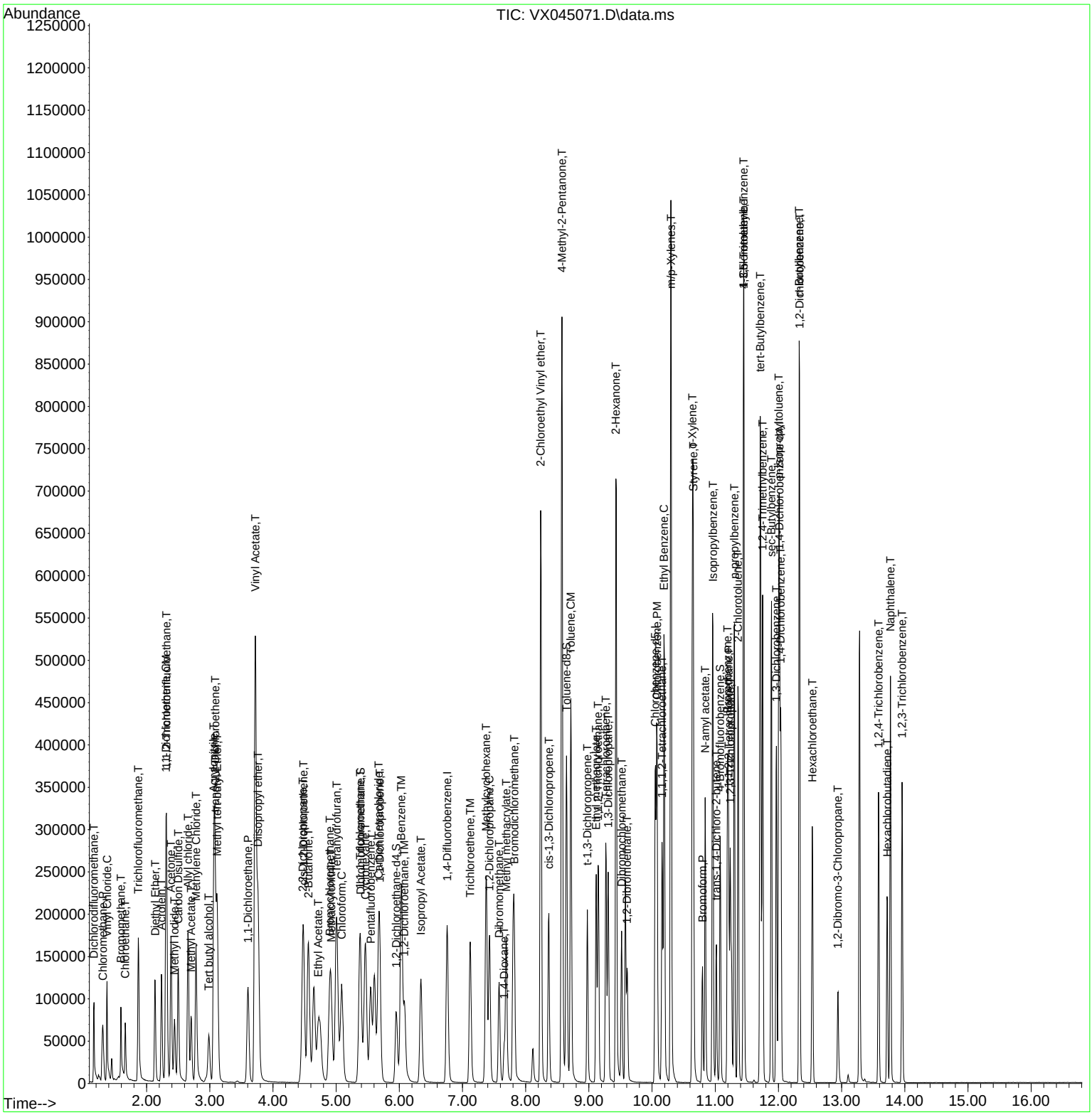
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

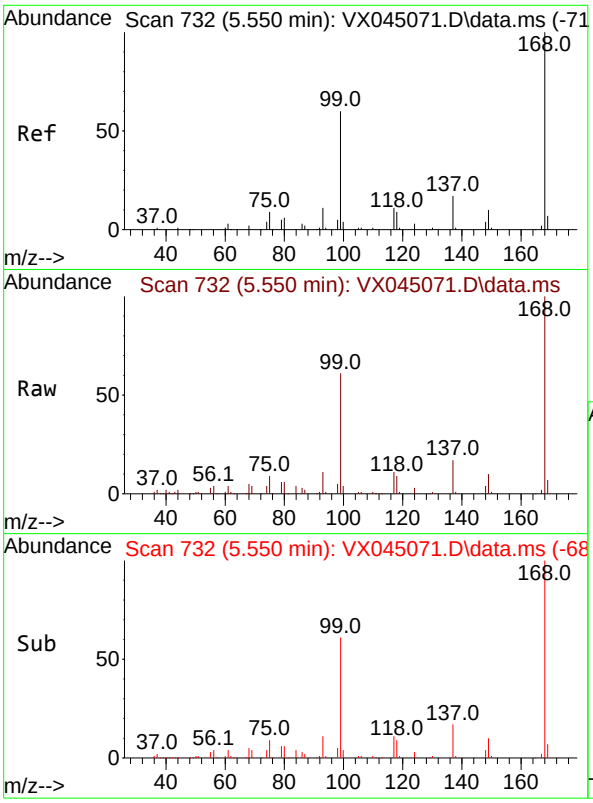
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



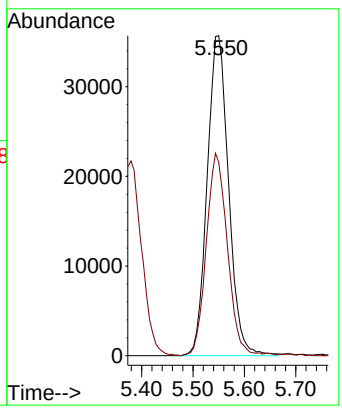


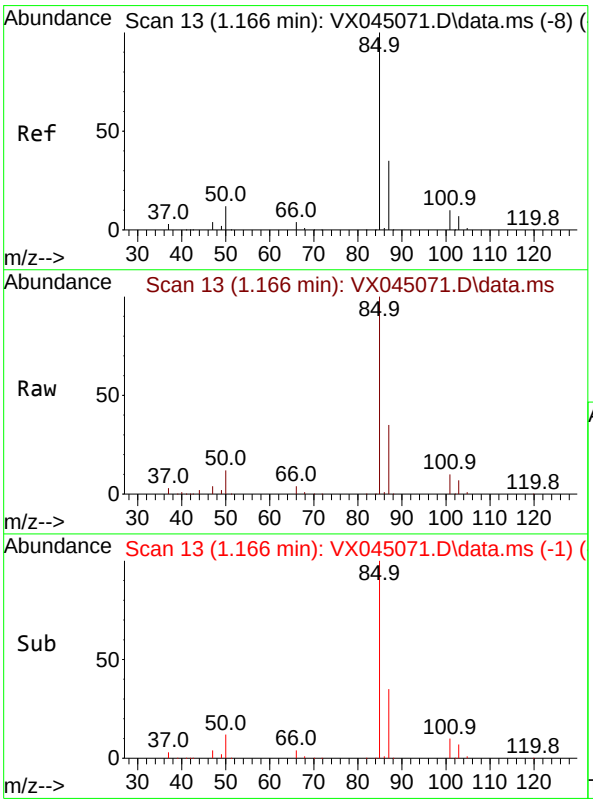
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

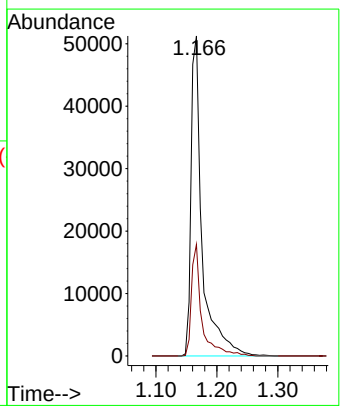


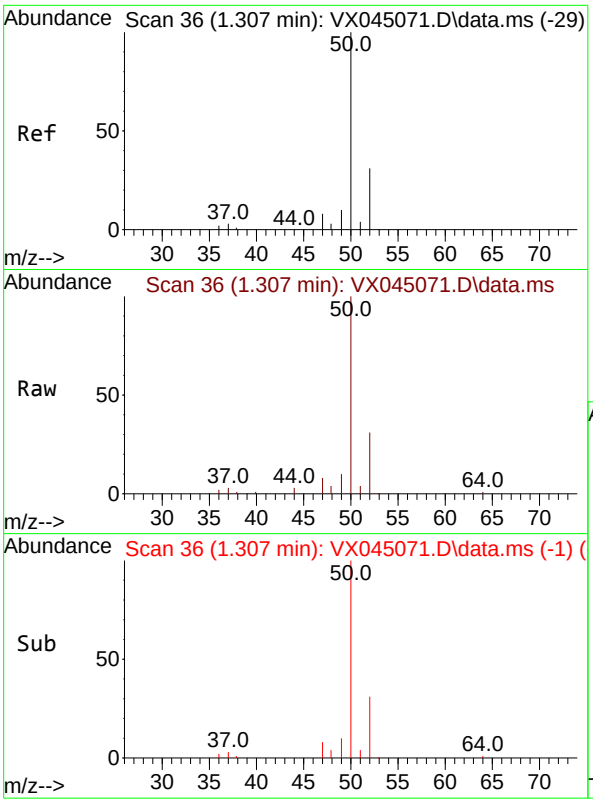


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



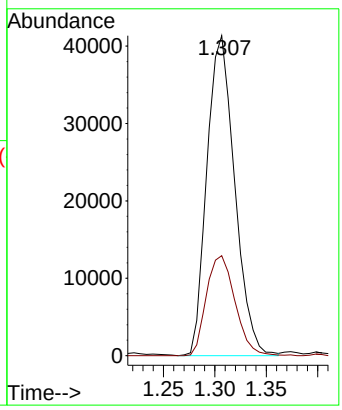


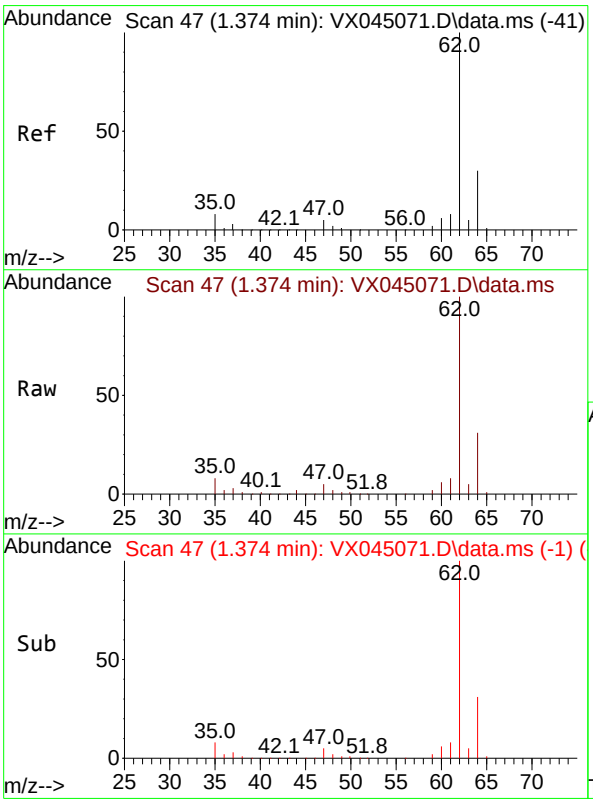
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

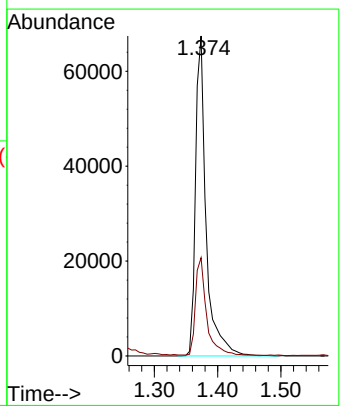


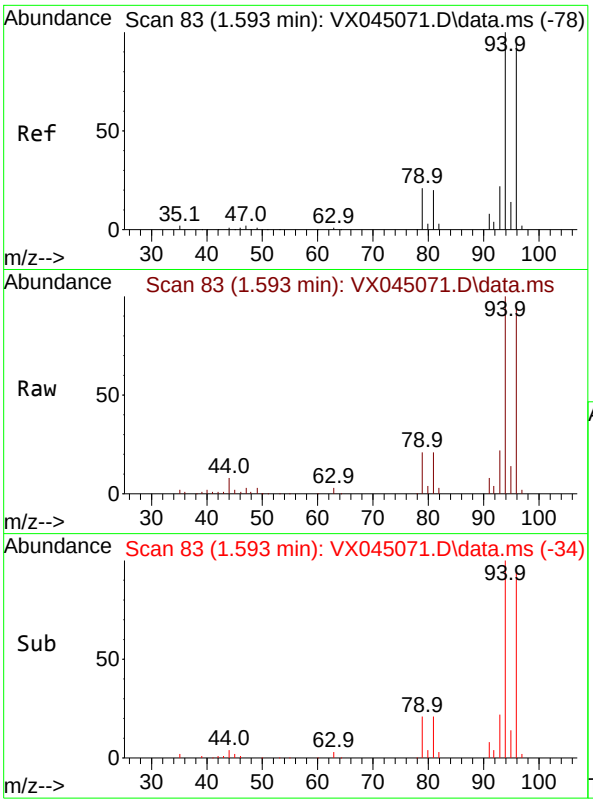


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



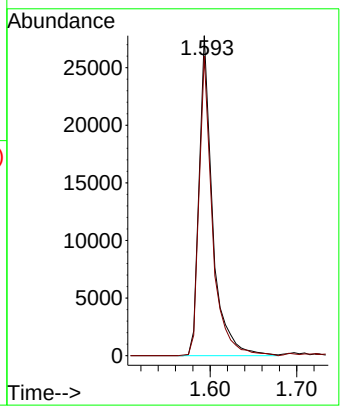


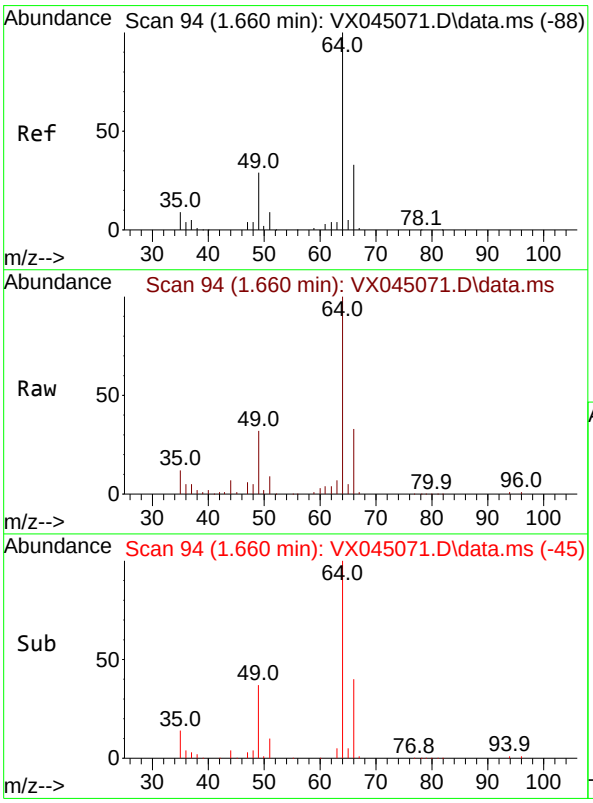
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

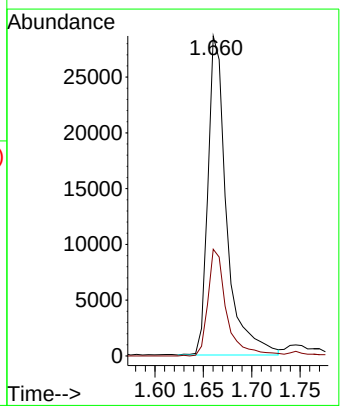


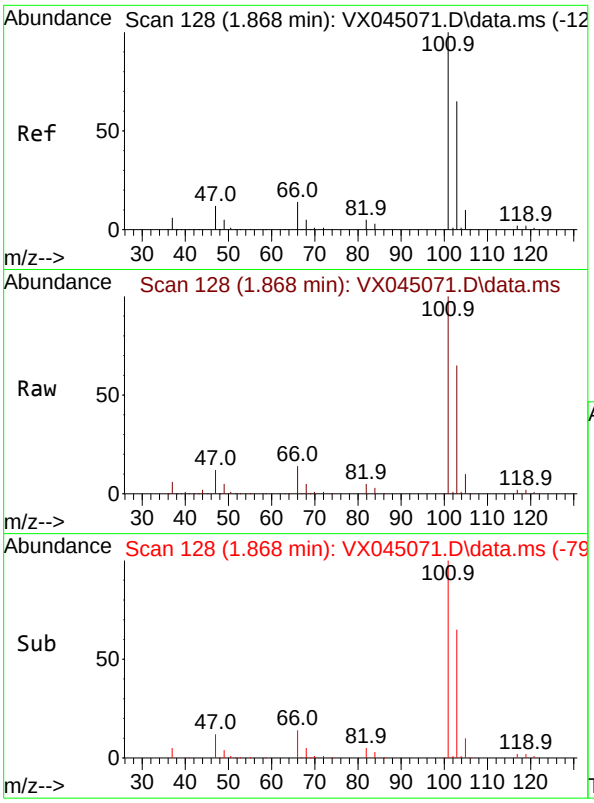


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



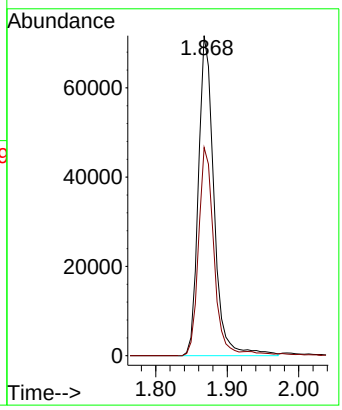


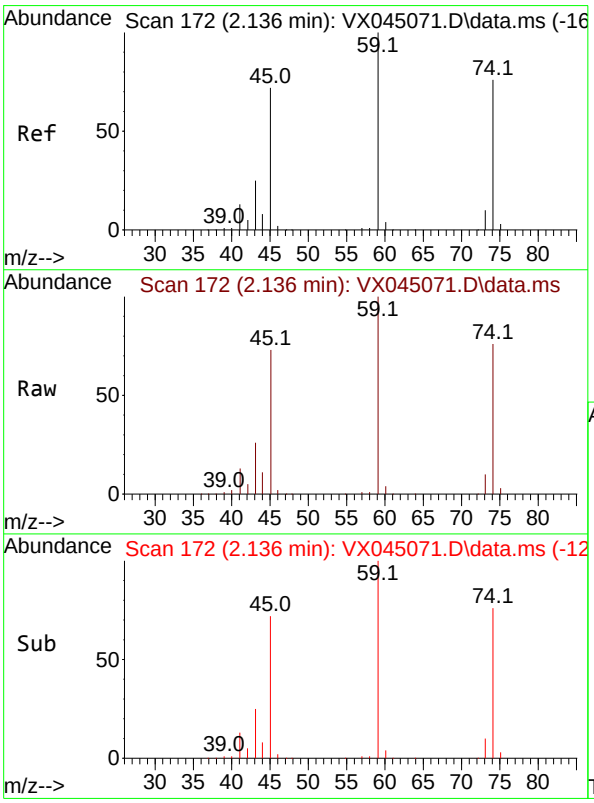
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

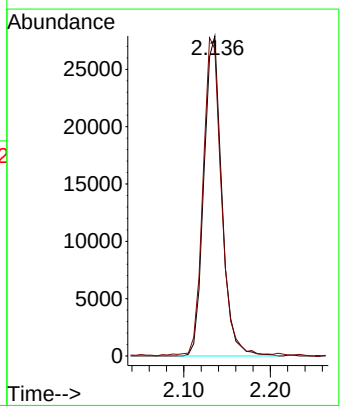


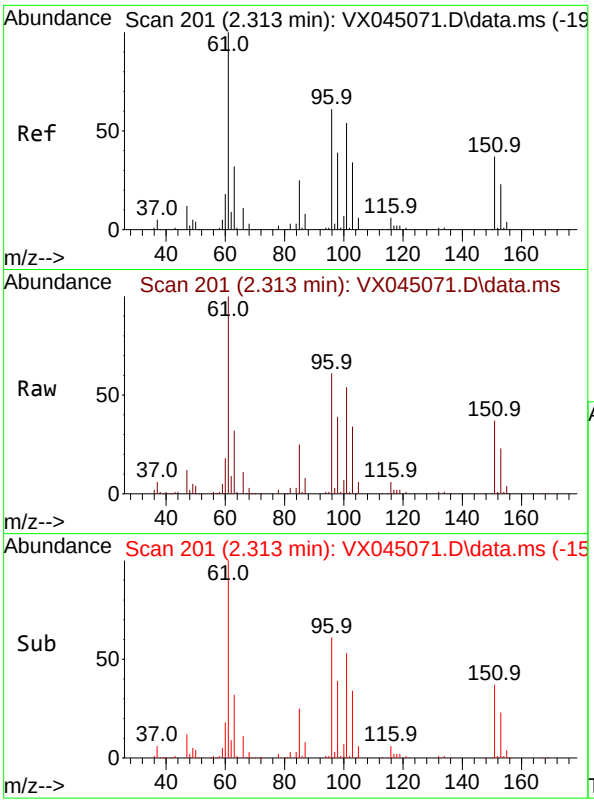


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



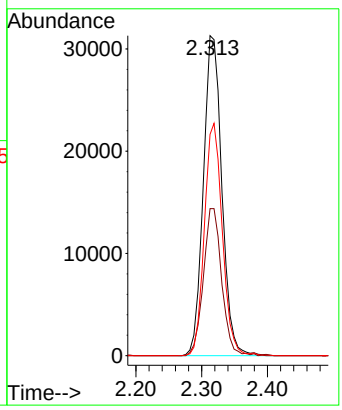


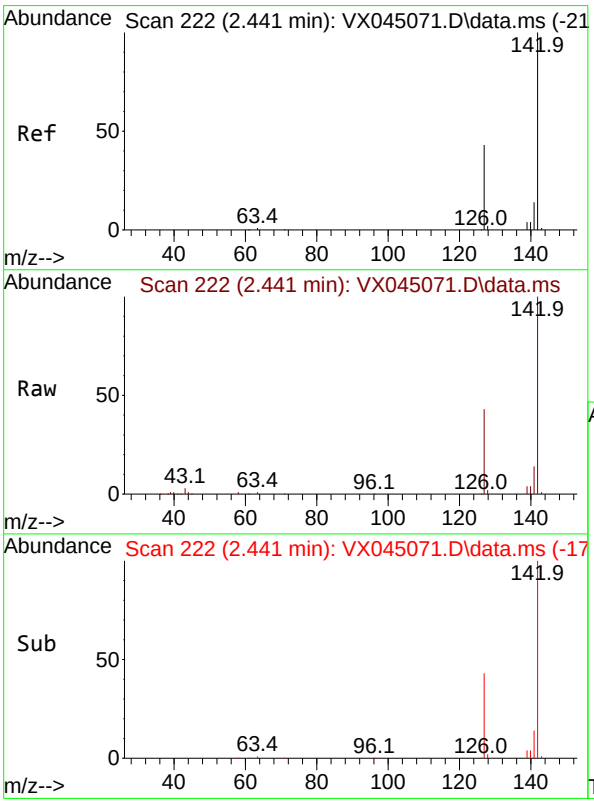
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 61312

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

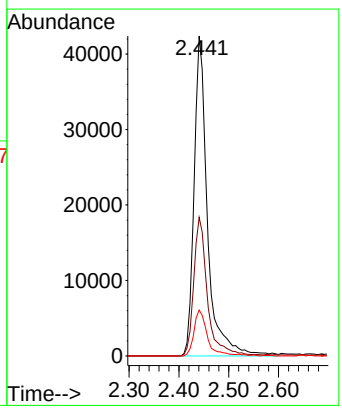


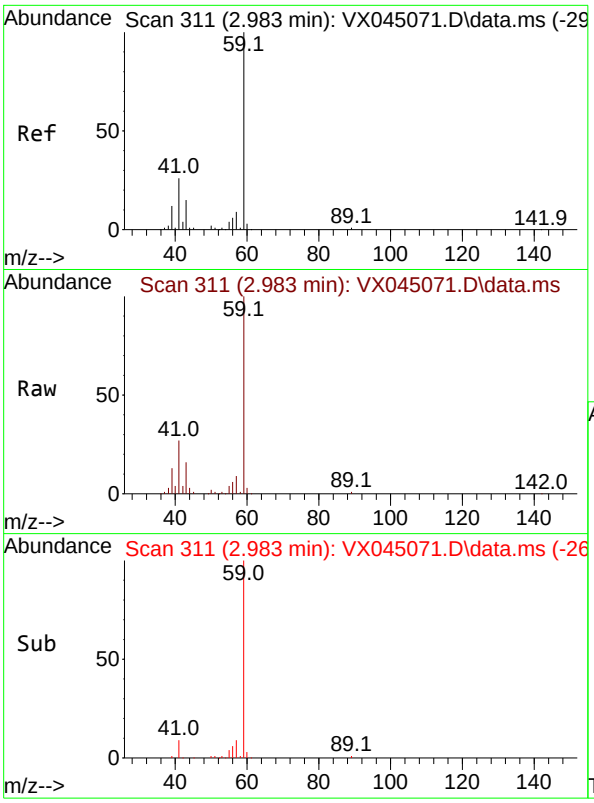


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4



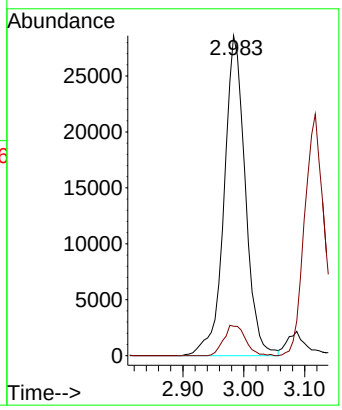


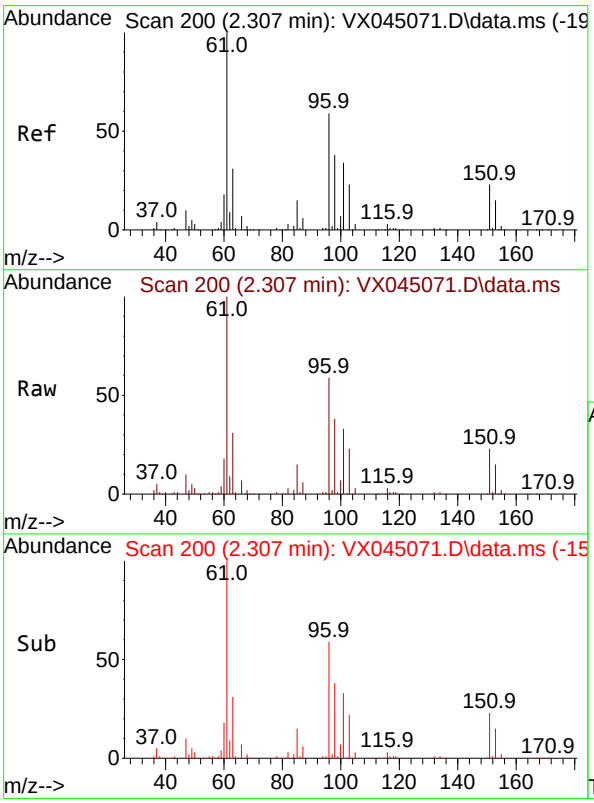
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

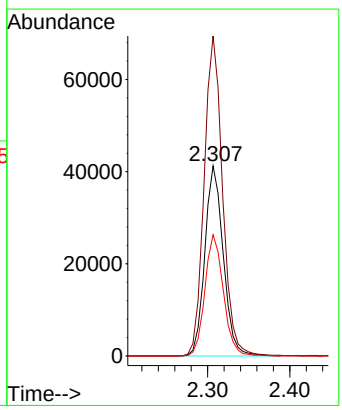


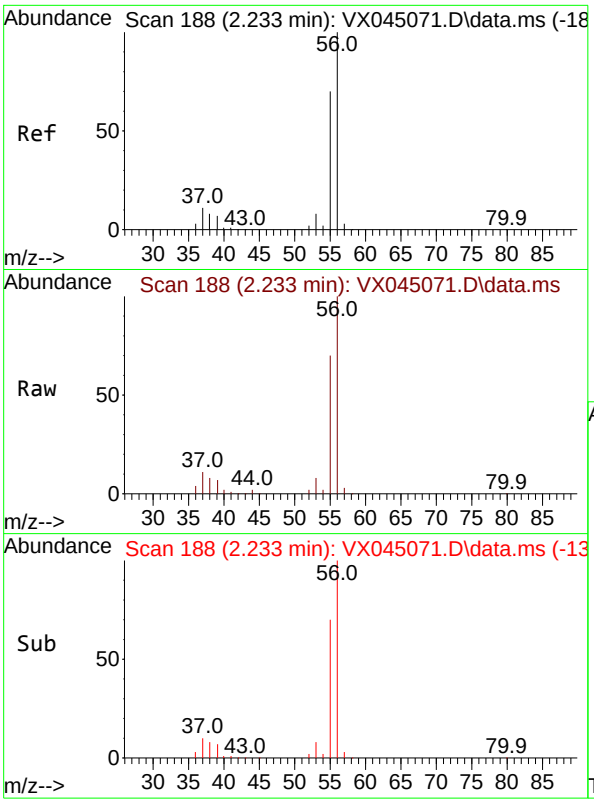


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6



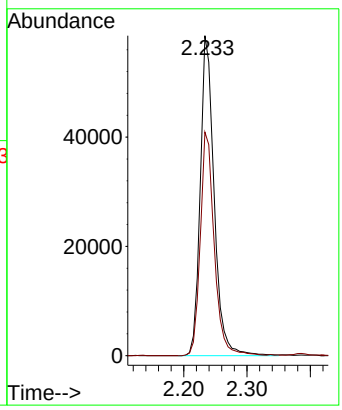


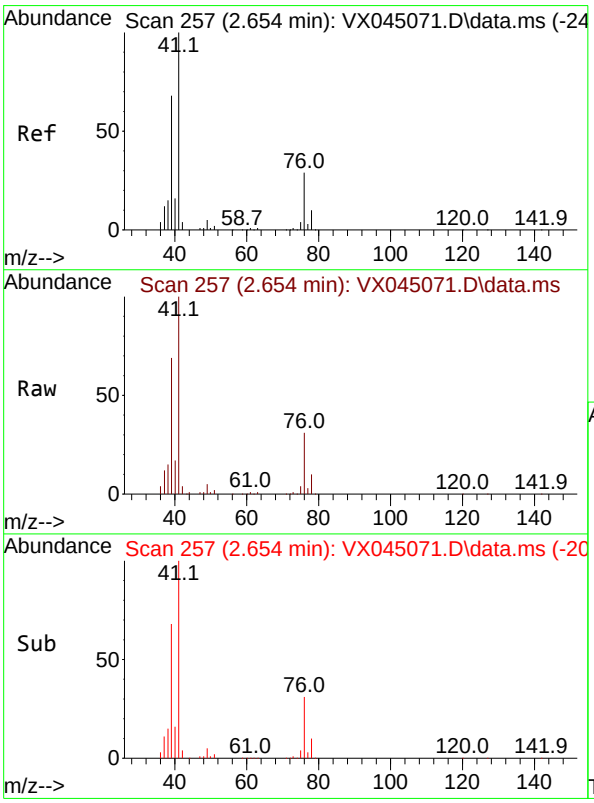
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

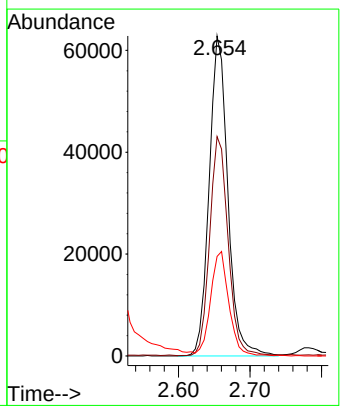


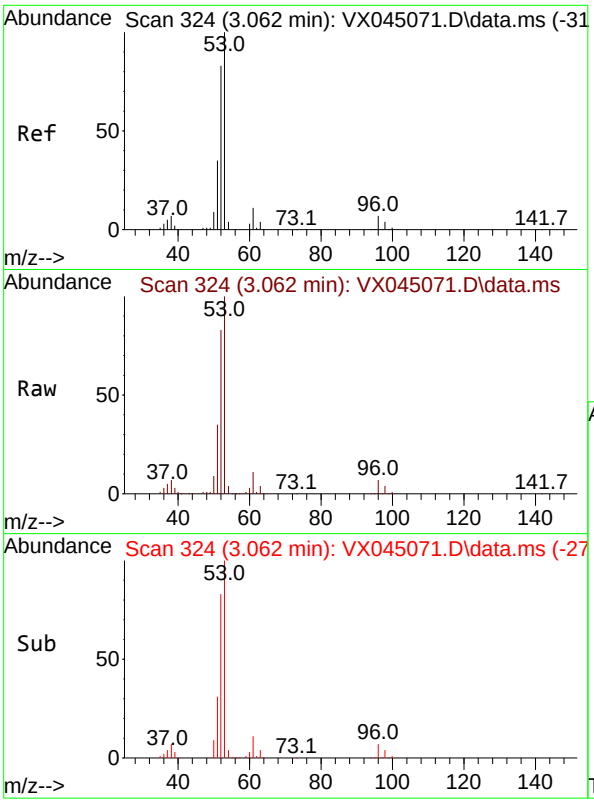


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8



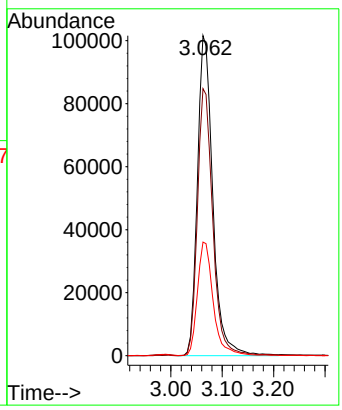


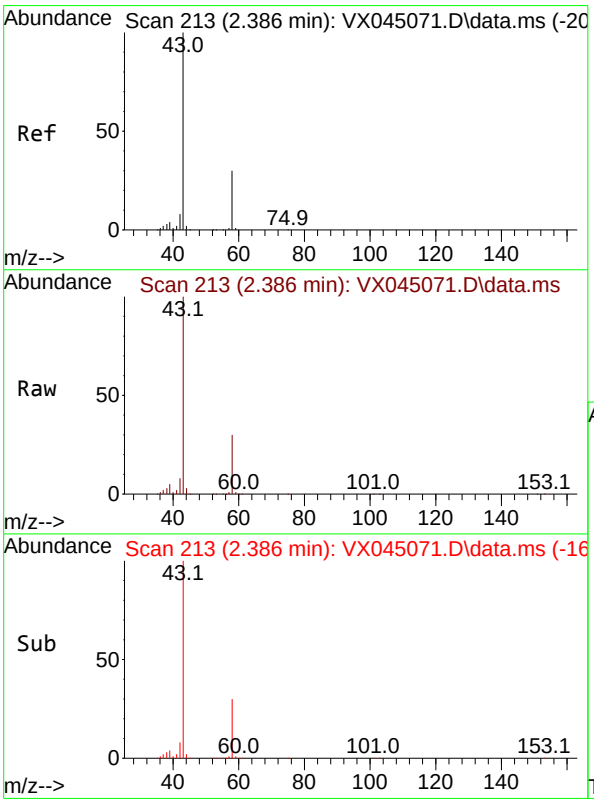
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 211455

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4

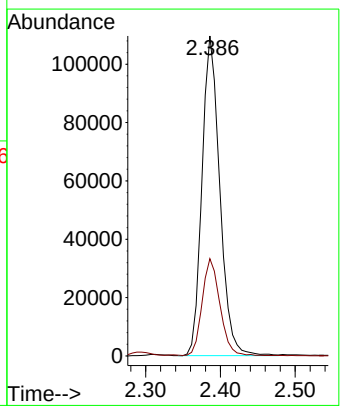


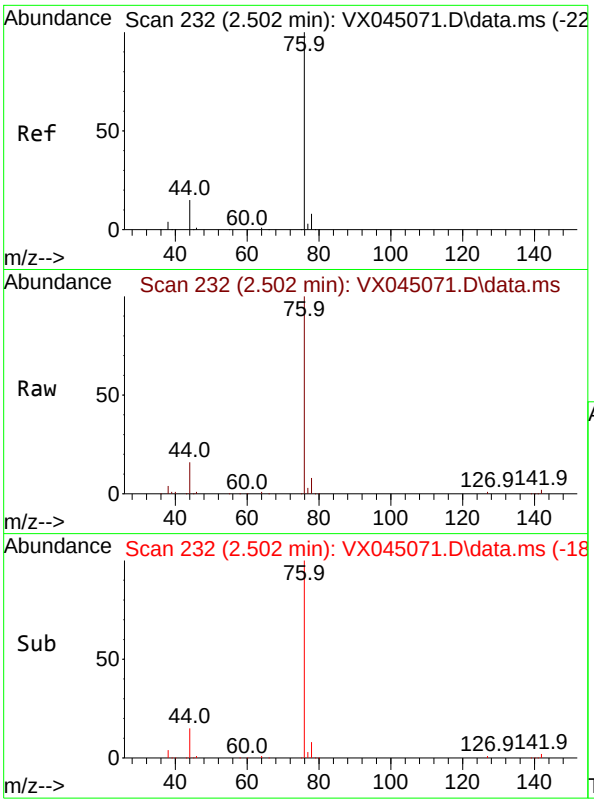


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



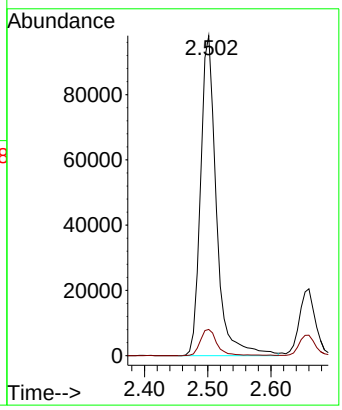


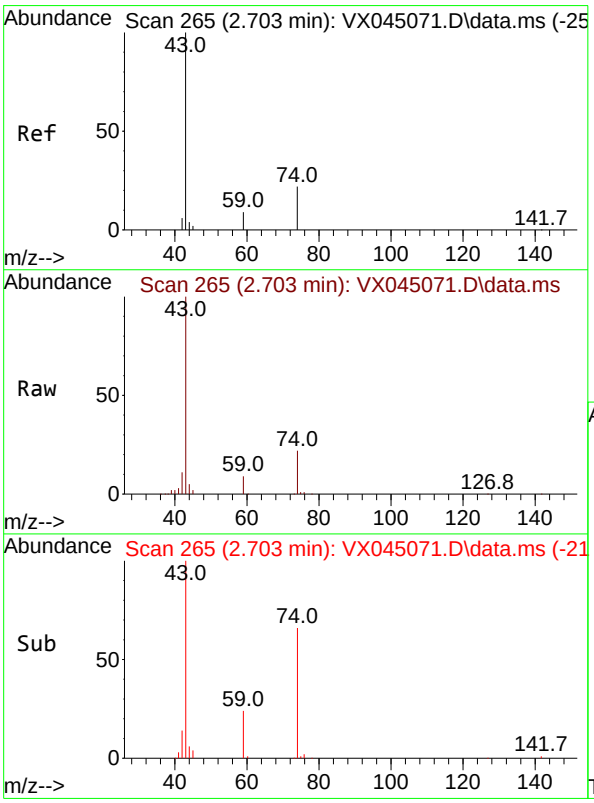
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

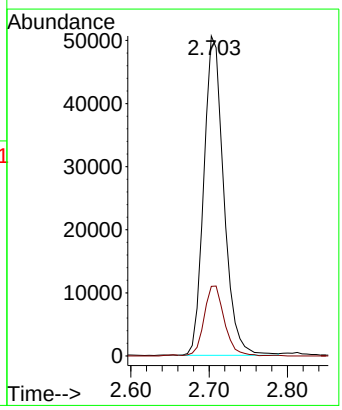


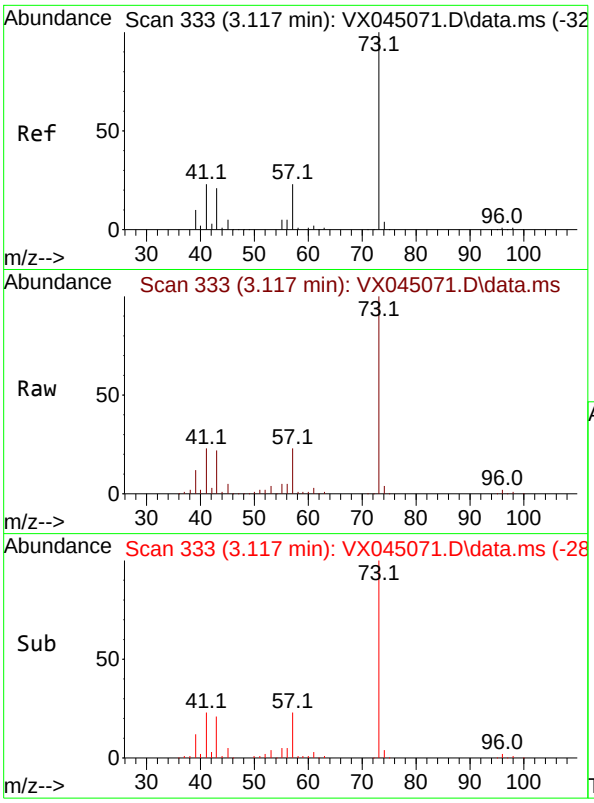


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



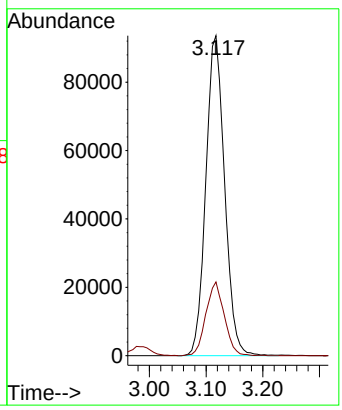


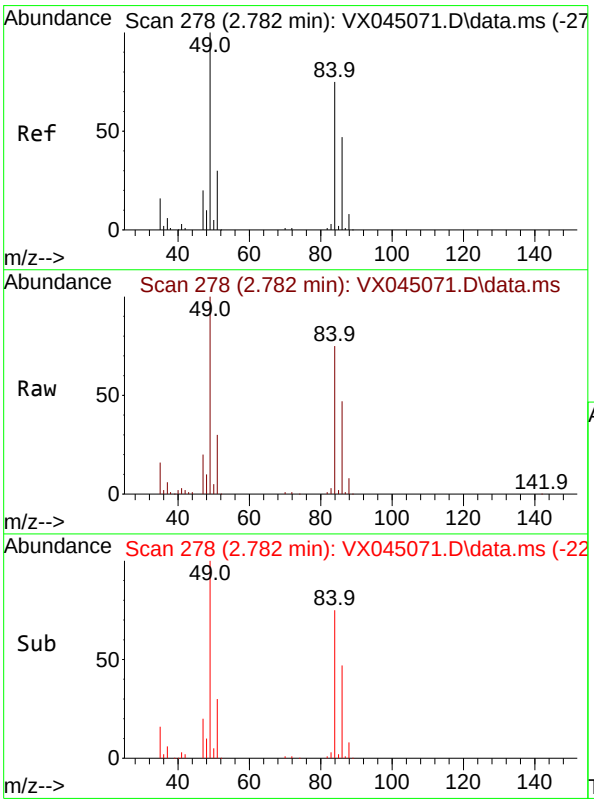
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

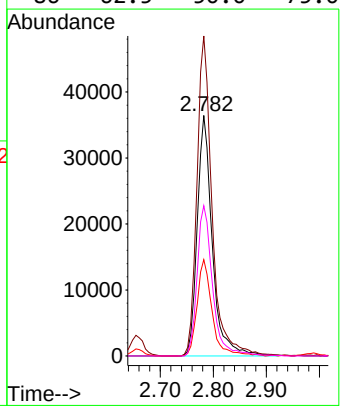


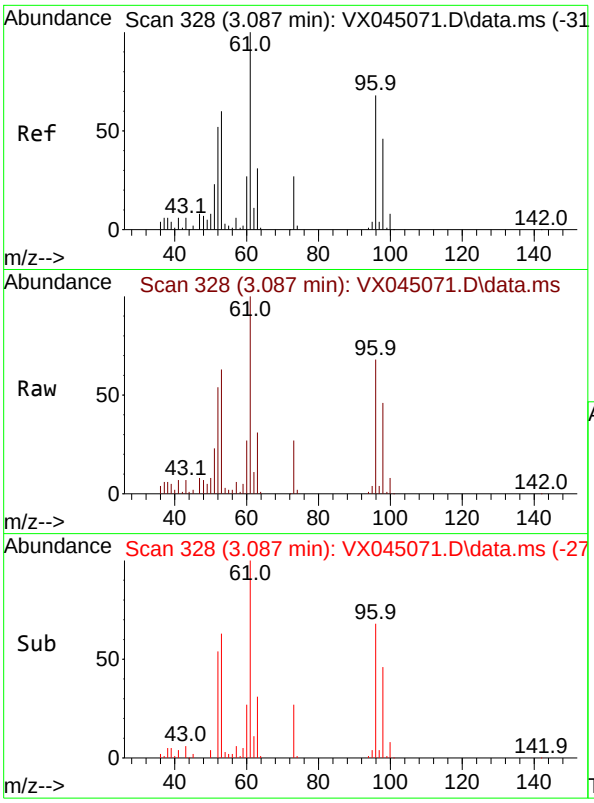


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0



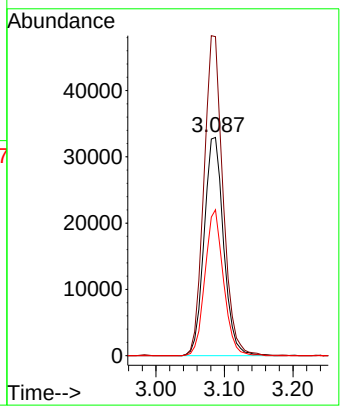


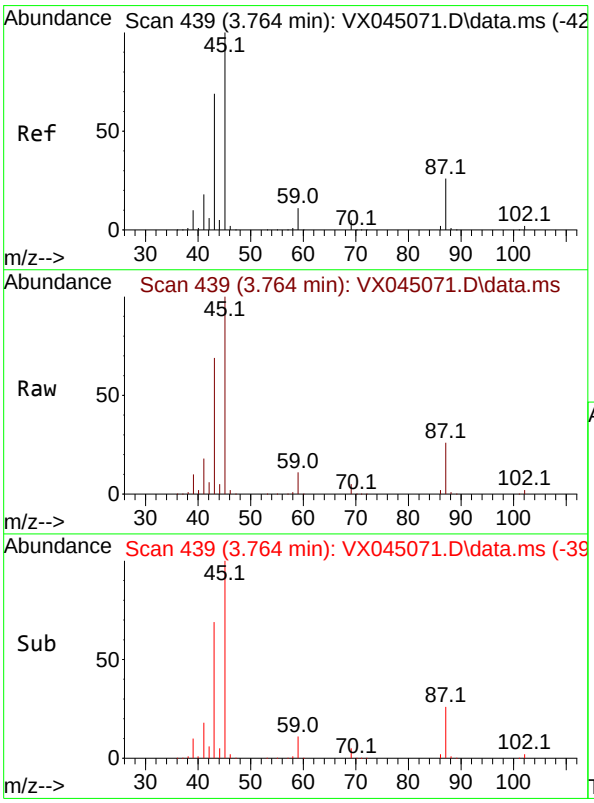
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 65093

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

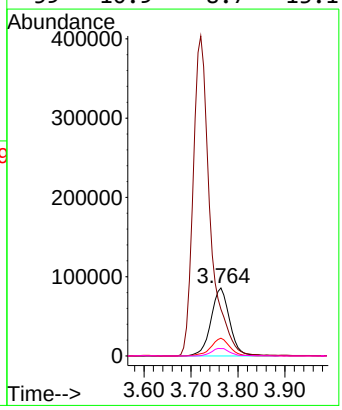


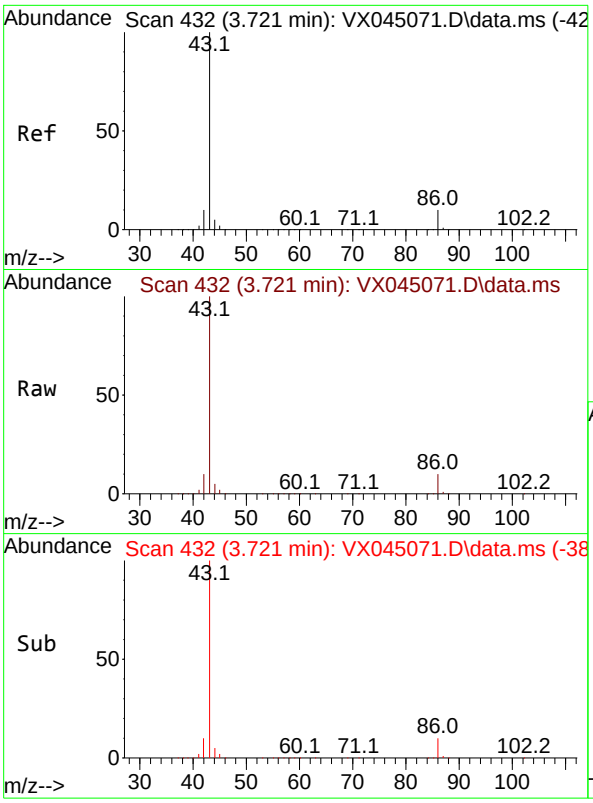


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1



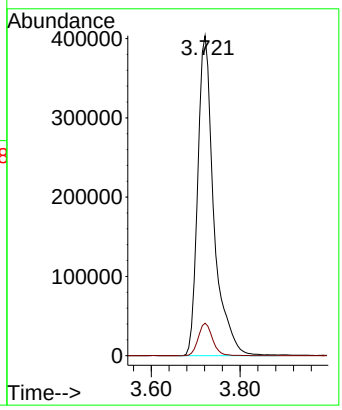


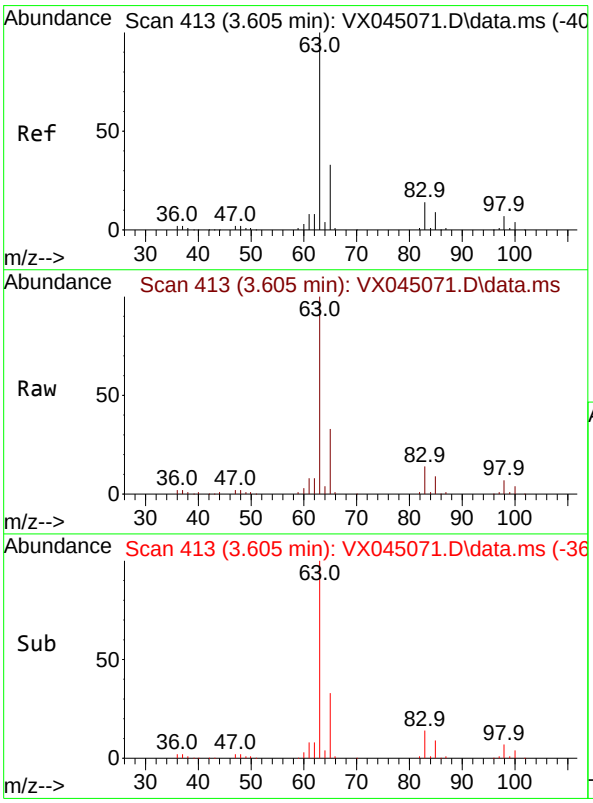
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

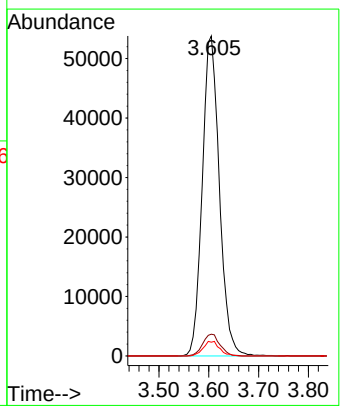


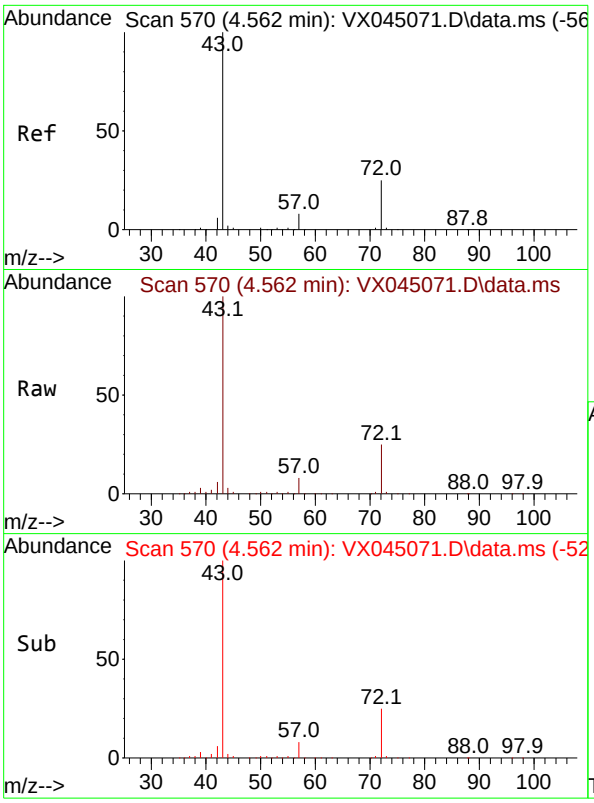


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5



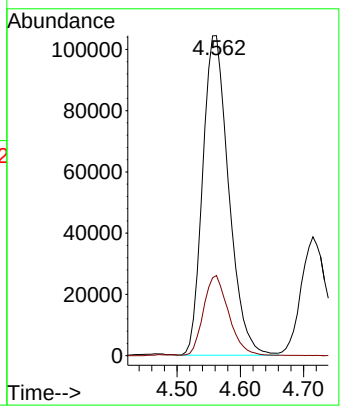


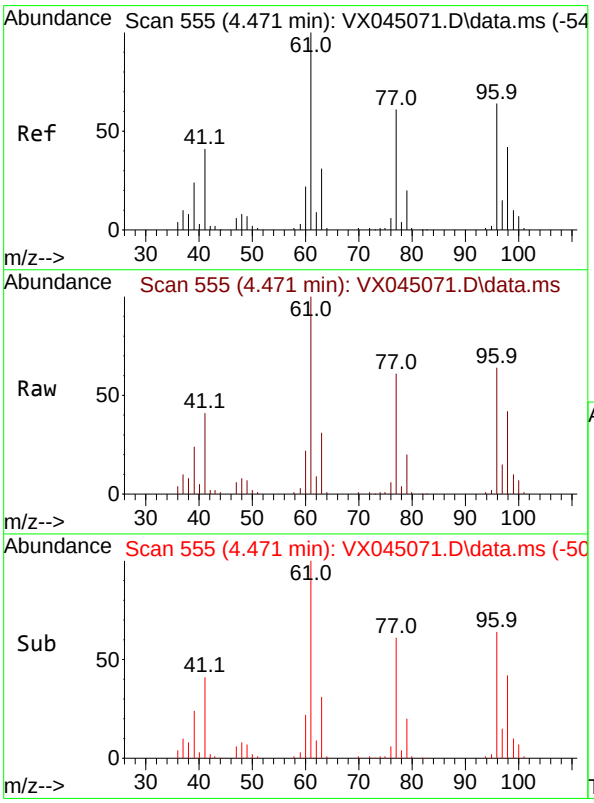
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

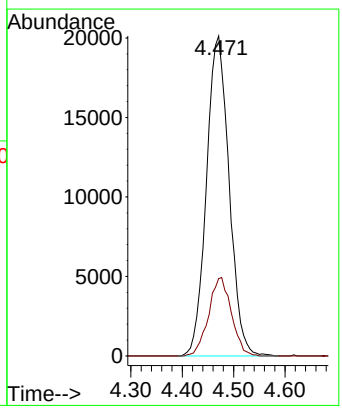


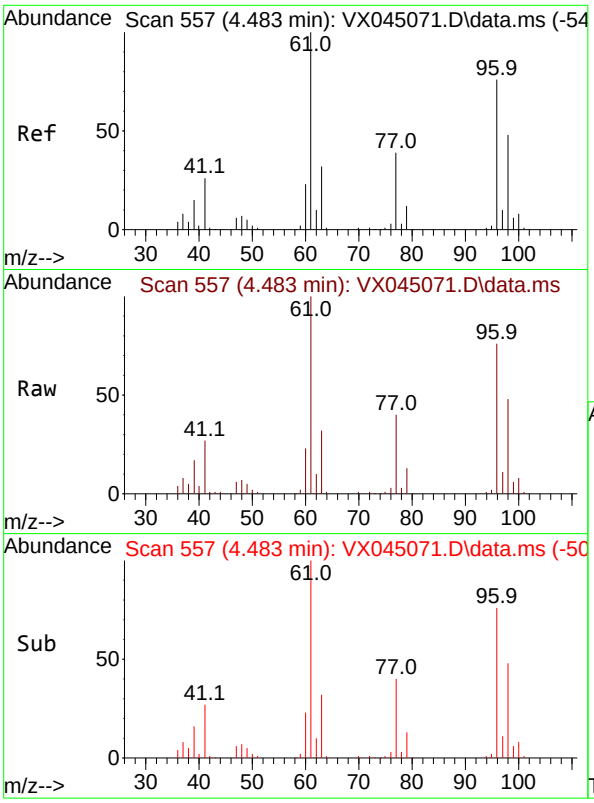


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



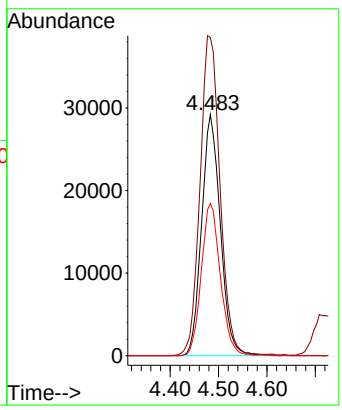


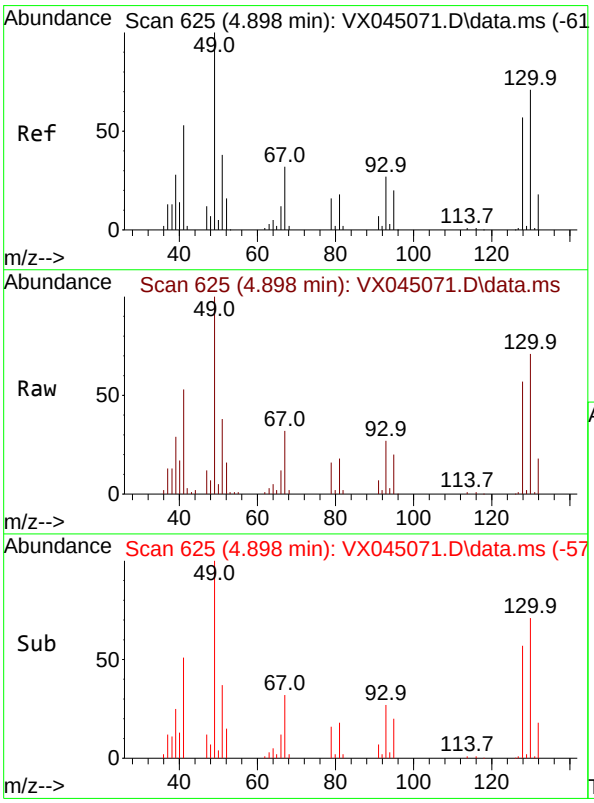
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 78657

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

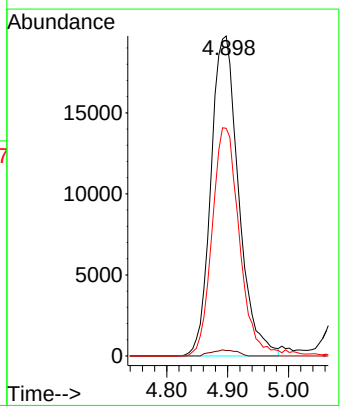


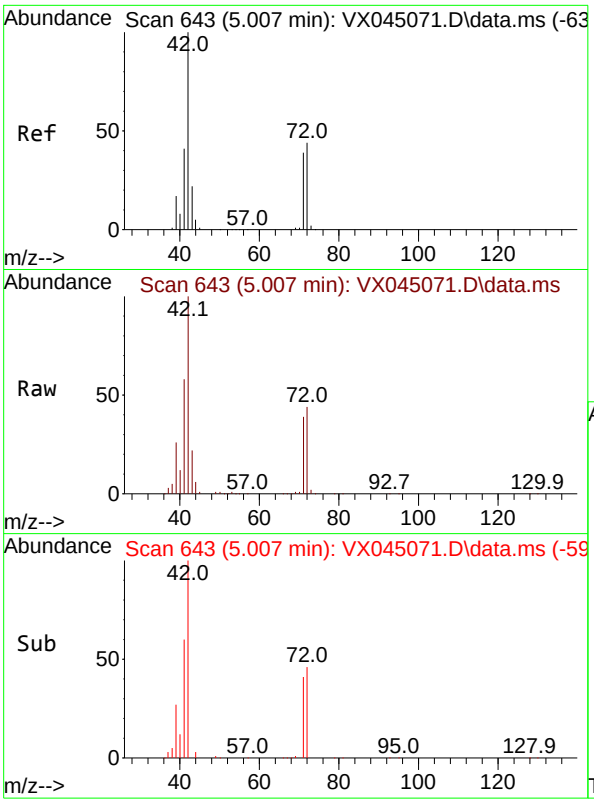


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



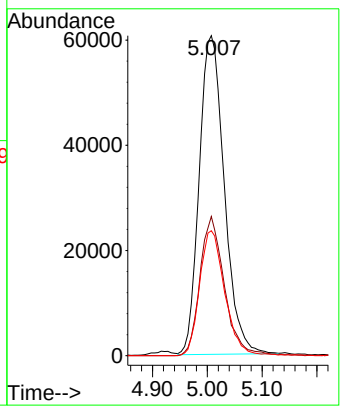


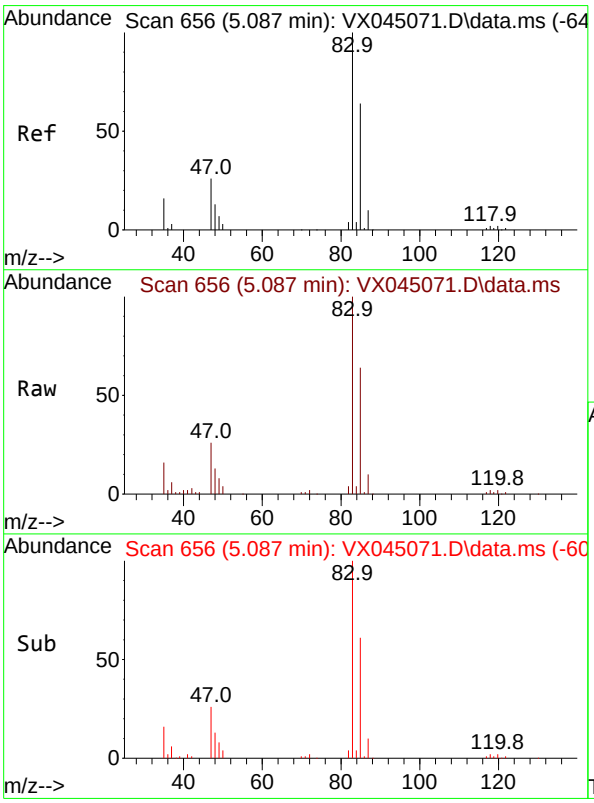
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 192607

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0

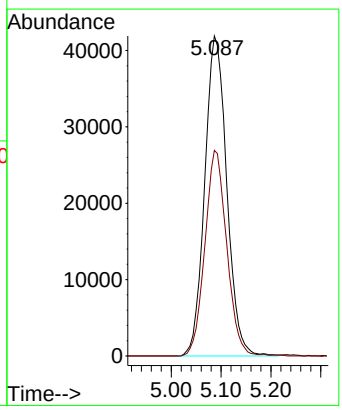


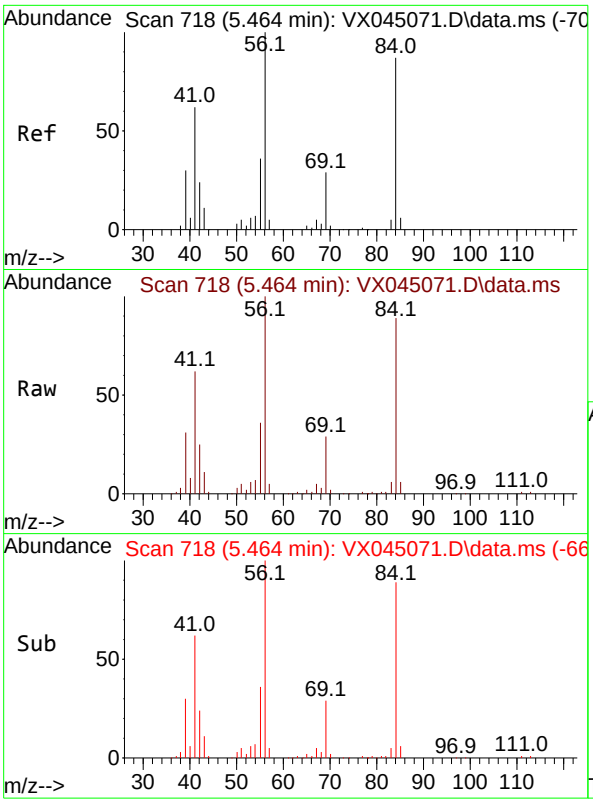


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



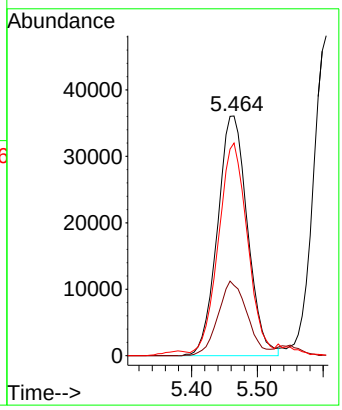


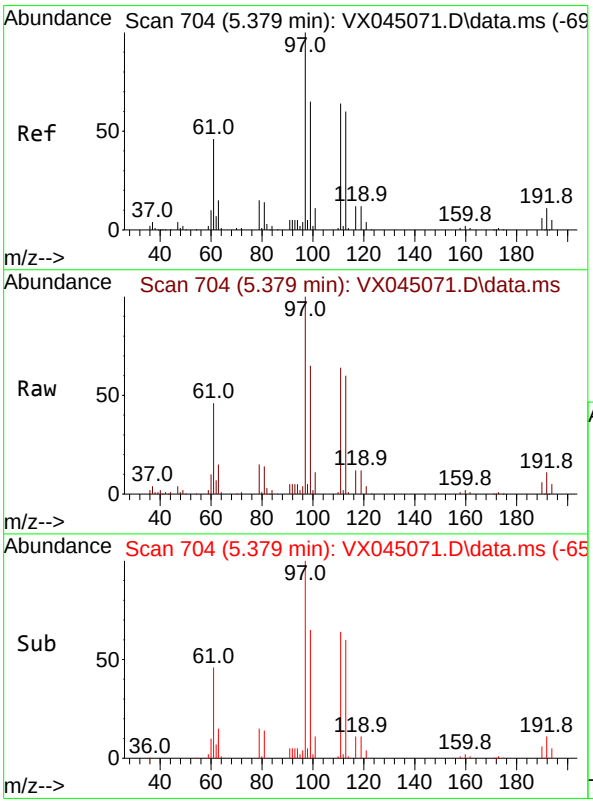
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 114333

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2

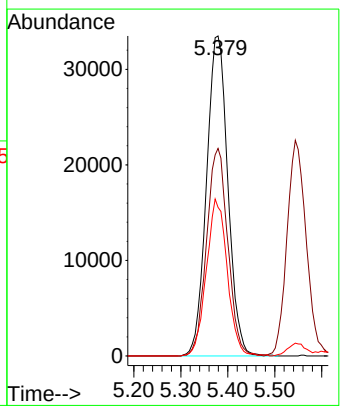


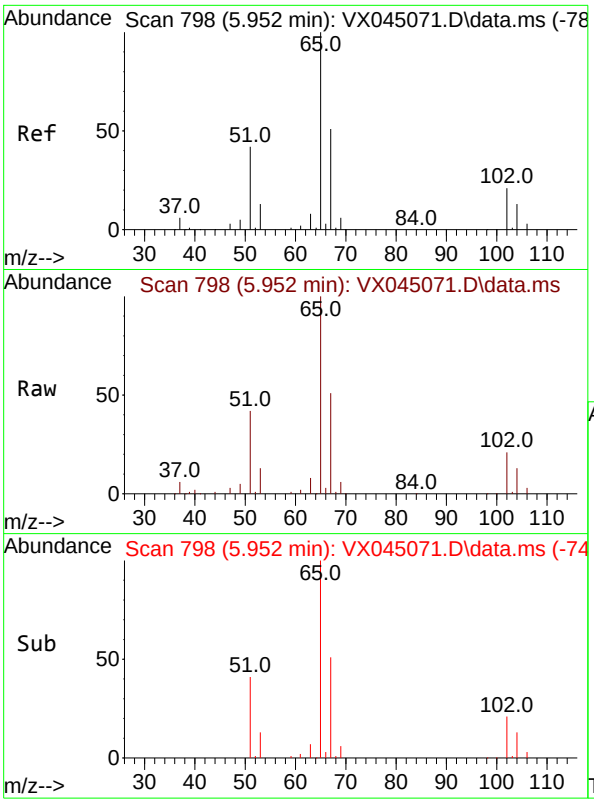


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6



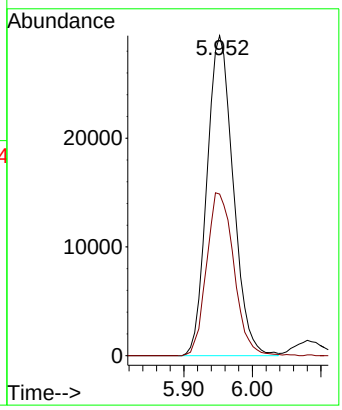


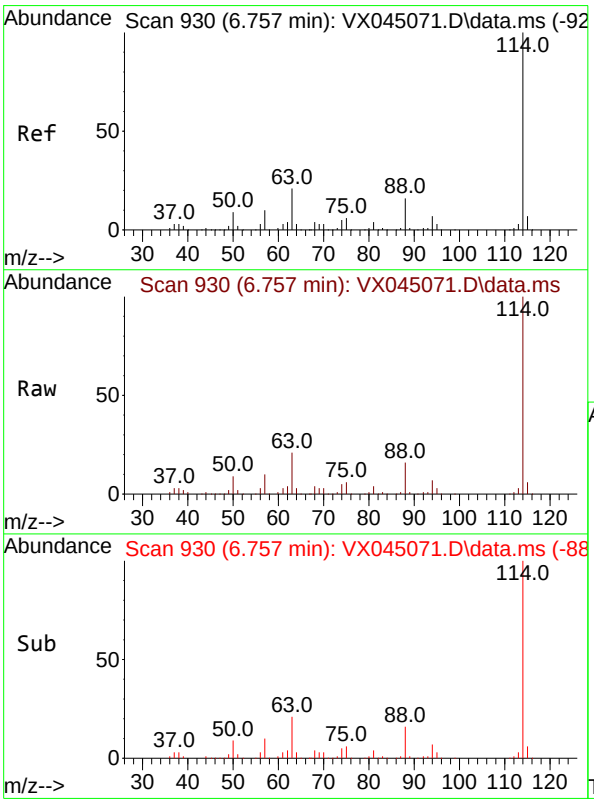
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

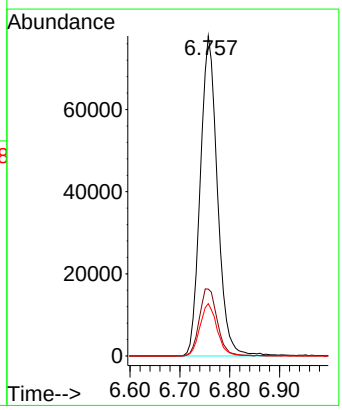


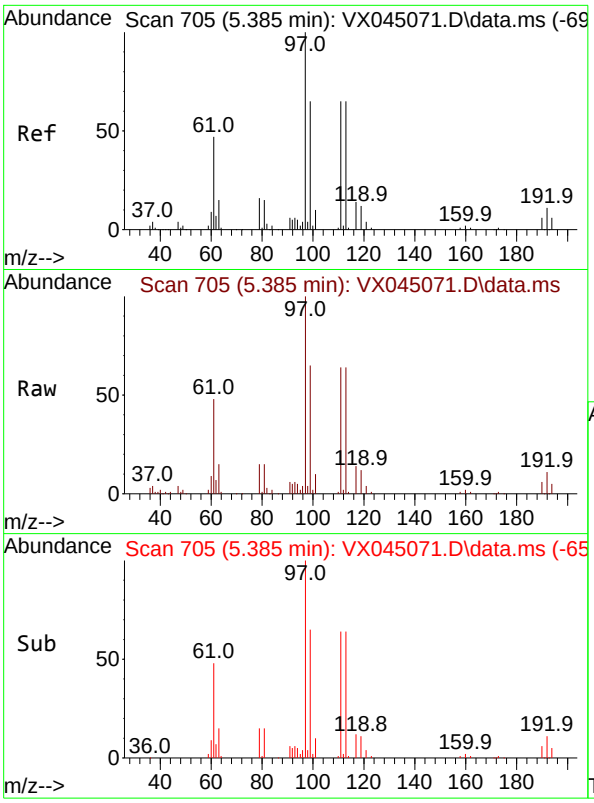


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8



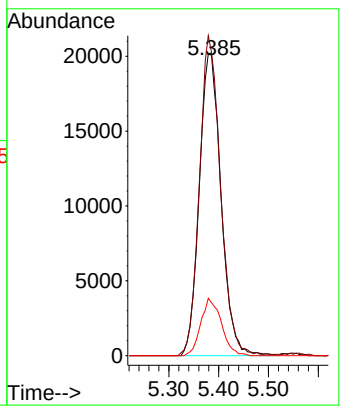


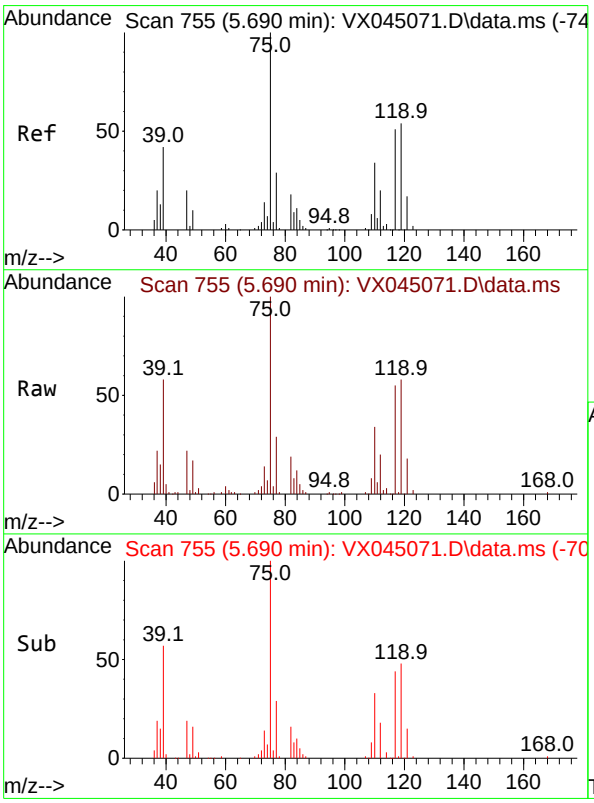
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 61323

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5

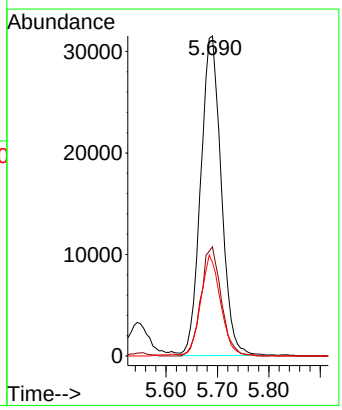


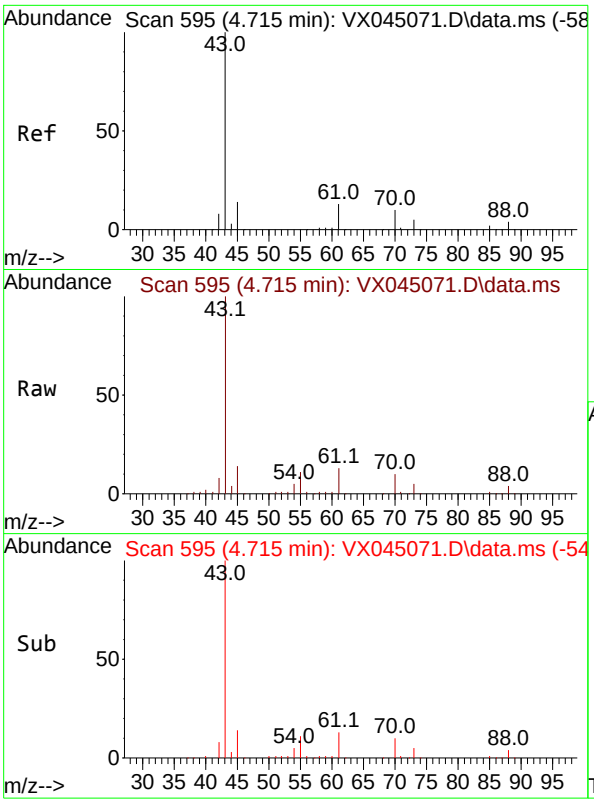


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7



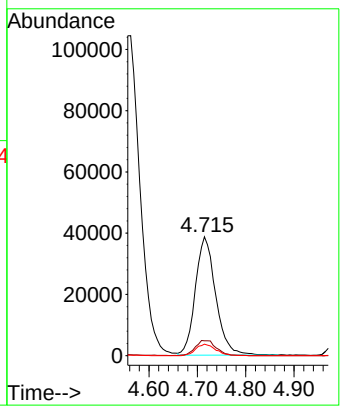


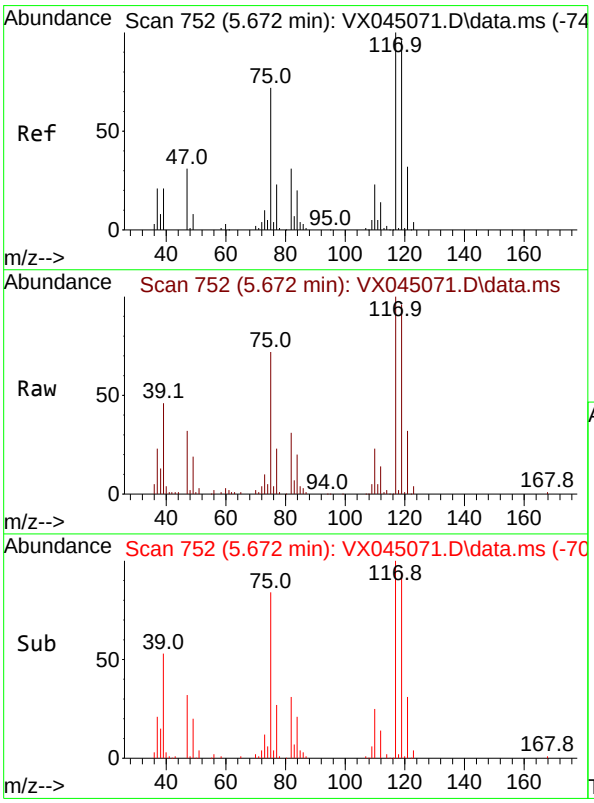
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 112892

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5

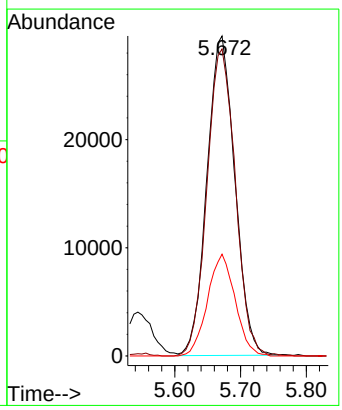


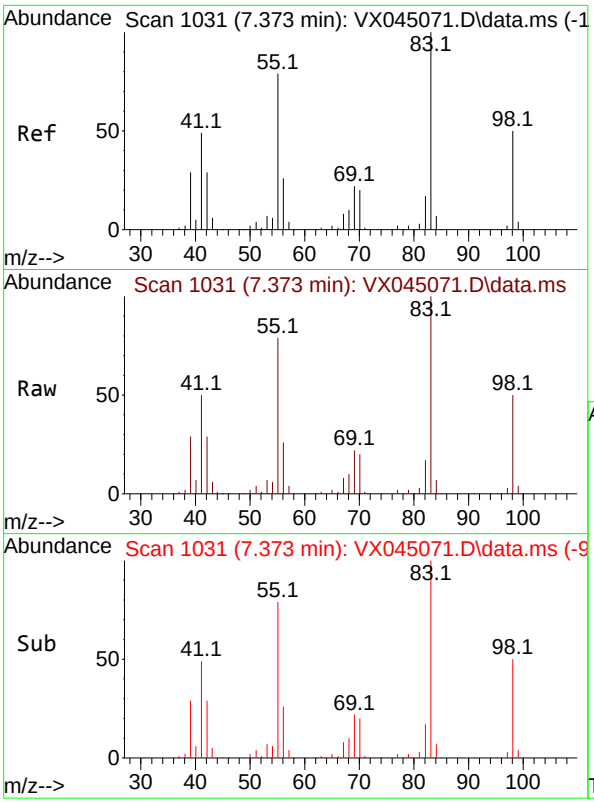


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3



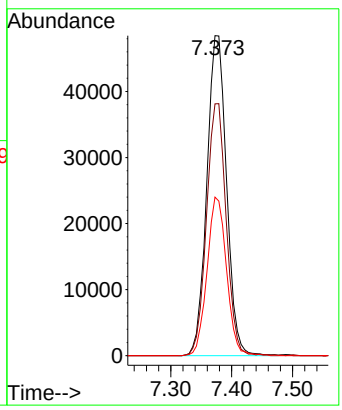


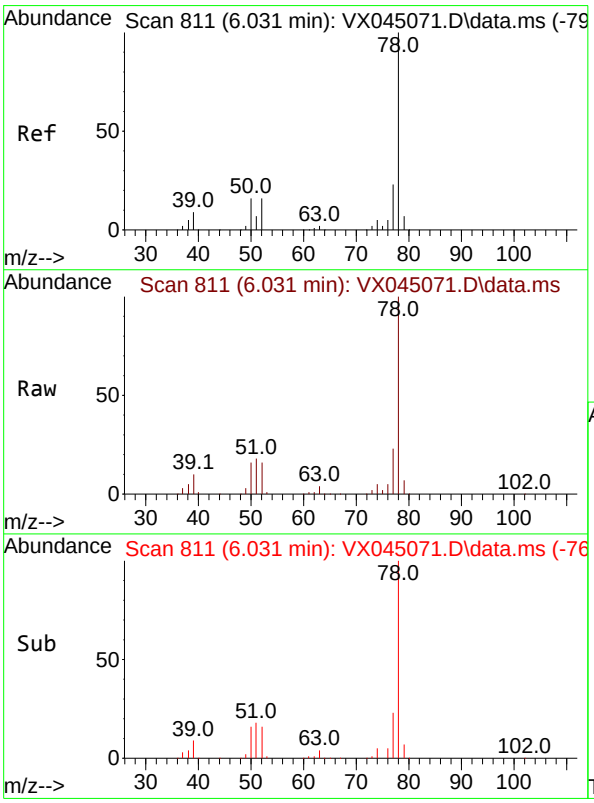
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 108974

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

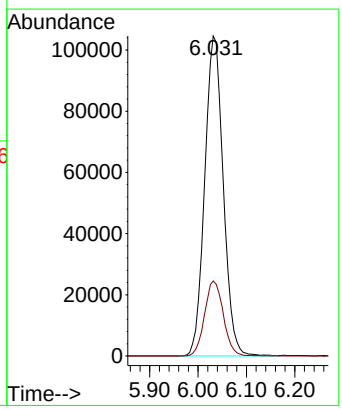


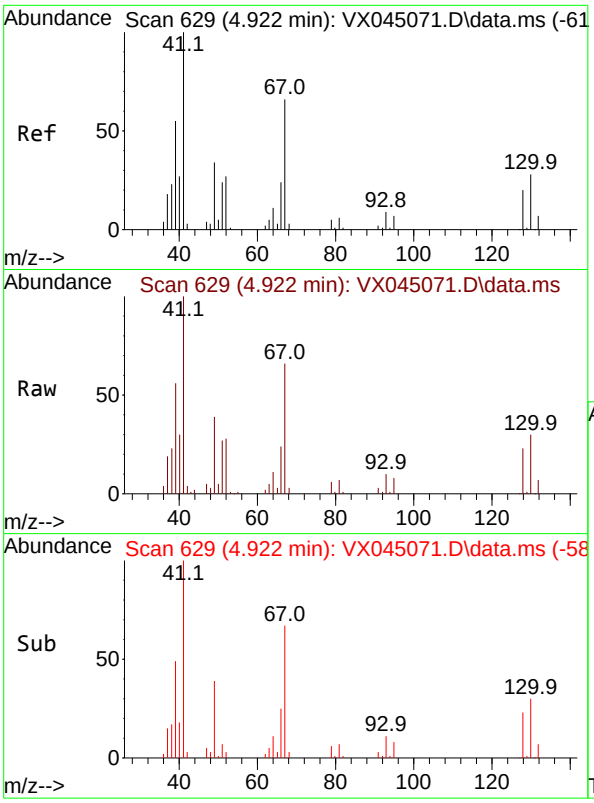


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



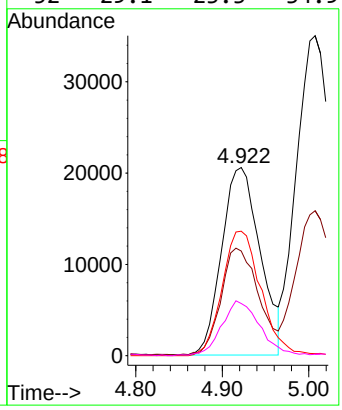


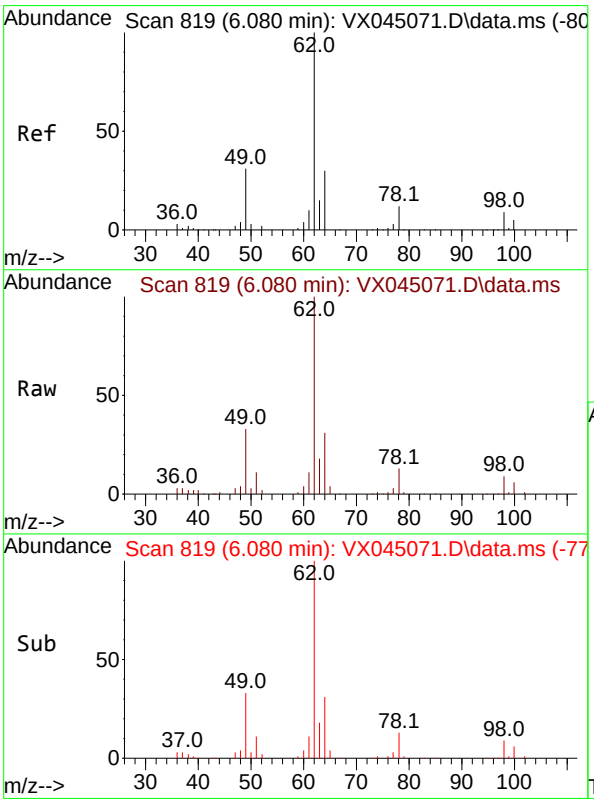
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 63454

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9

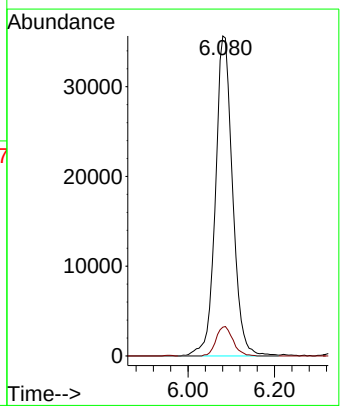


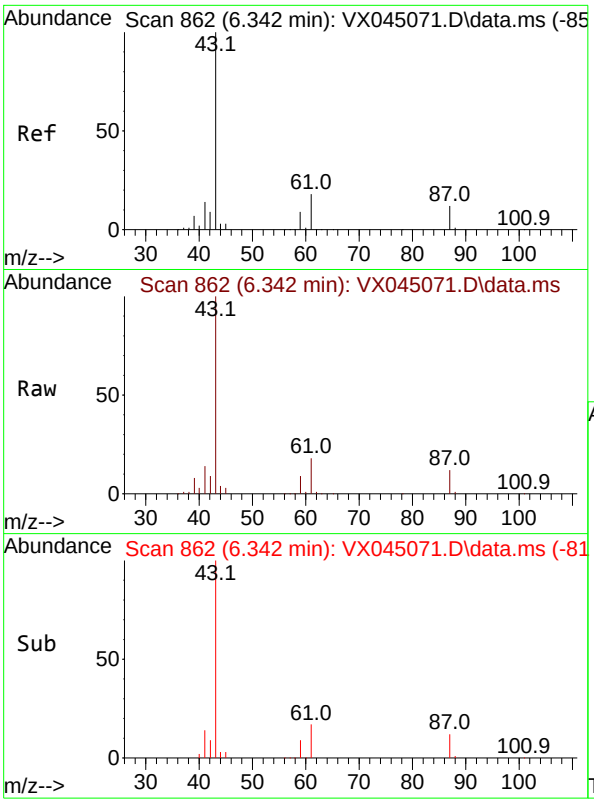


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



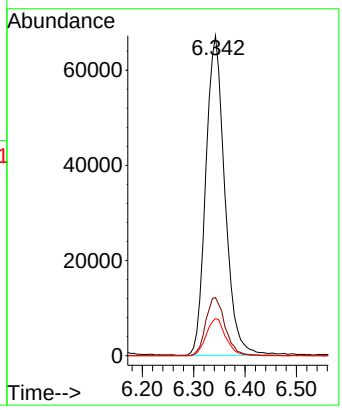


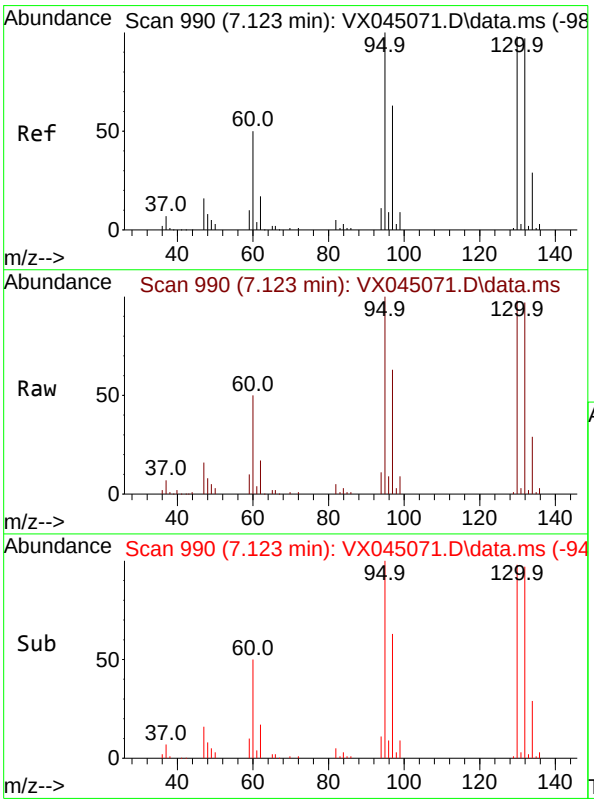
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 173045

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

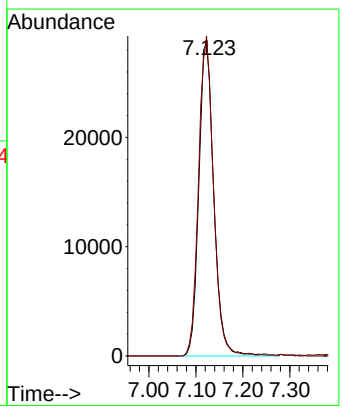


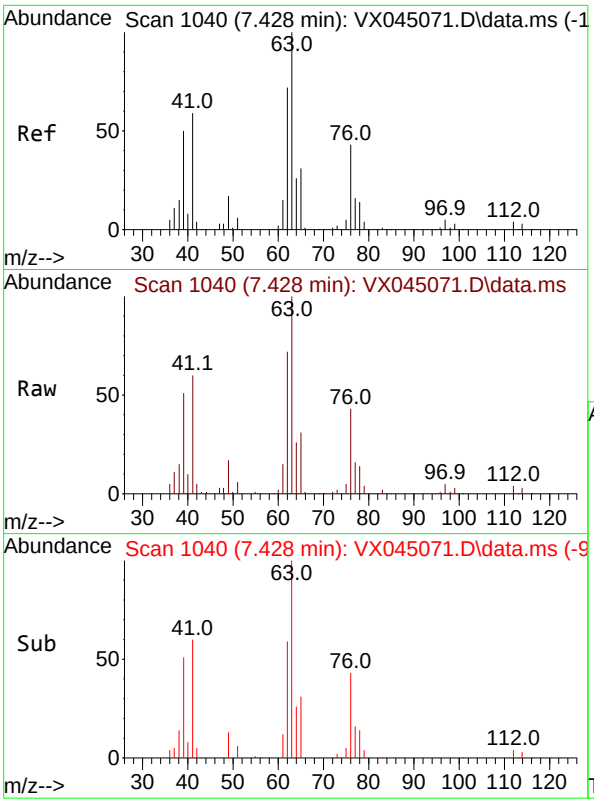


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



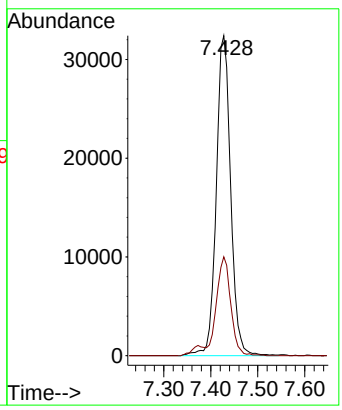


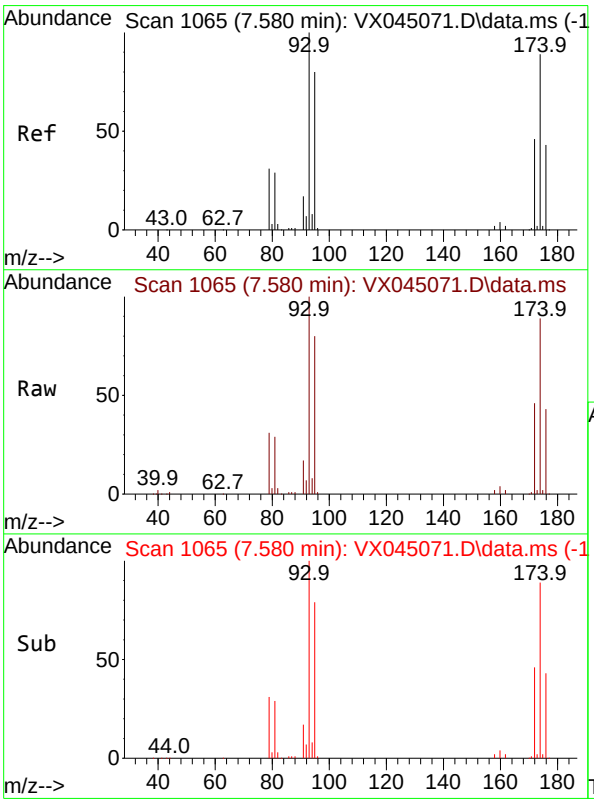
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

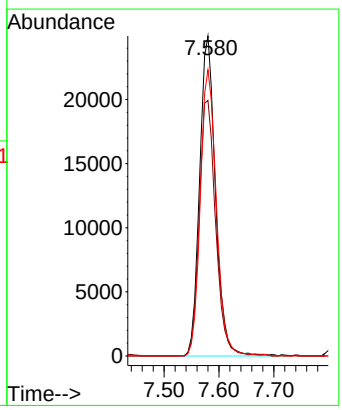


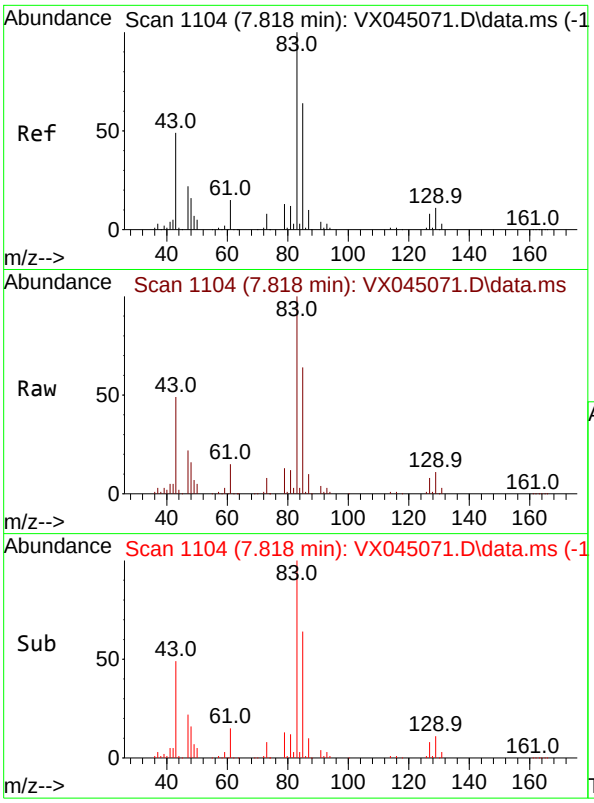


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2



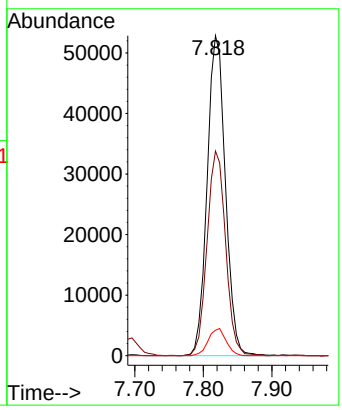


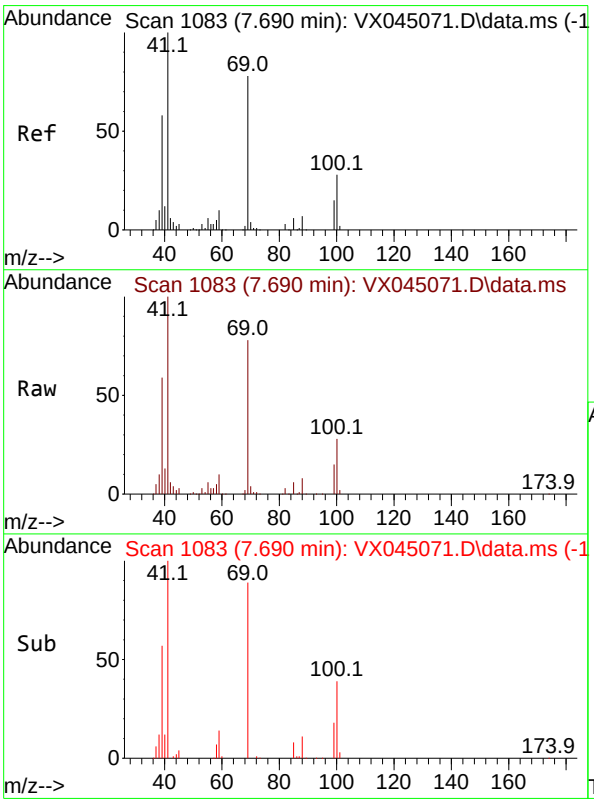
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 97729

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6

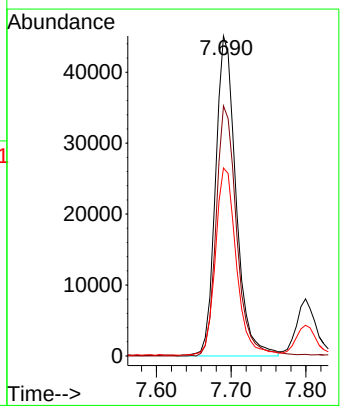


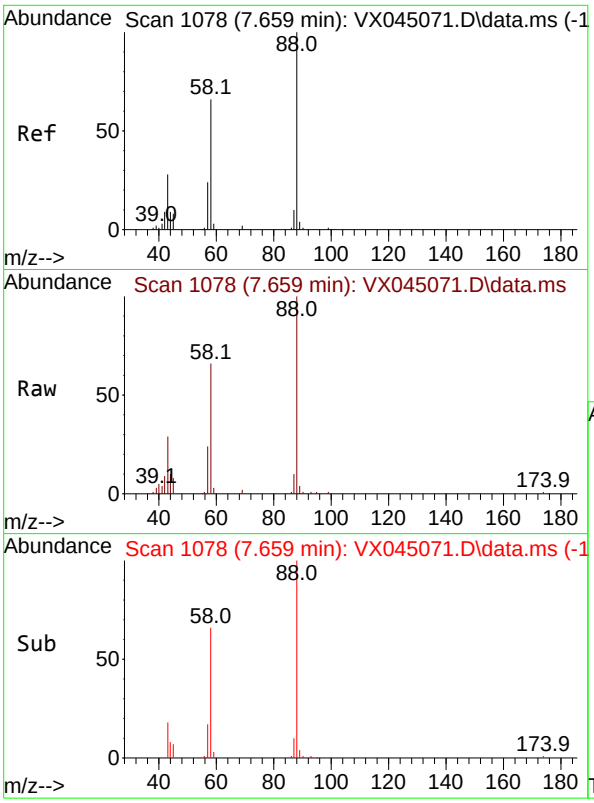


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3



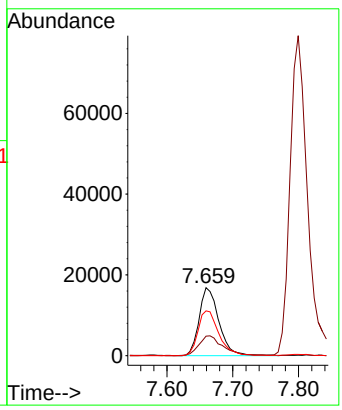


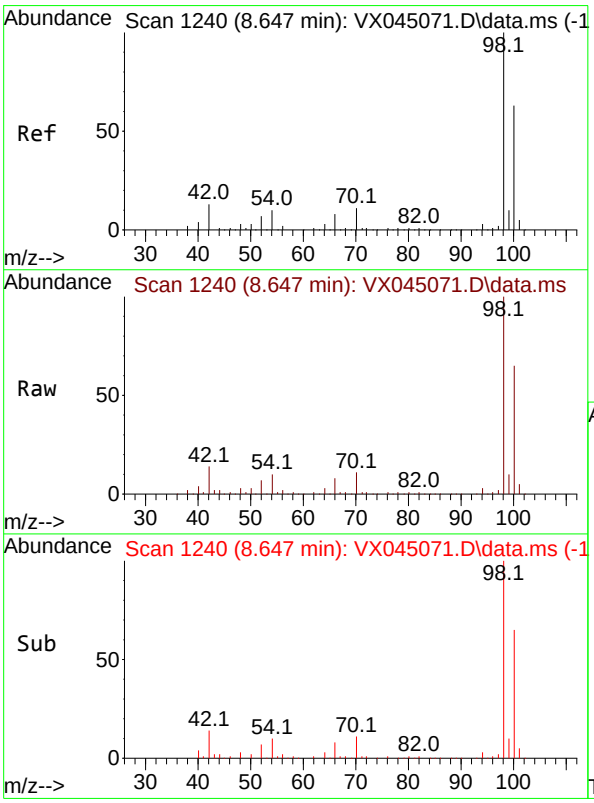
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 35053

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

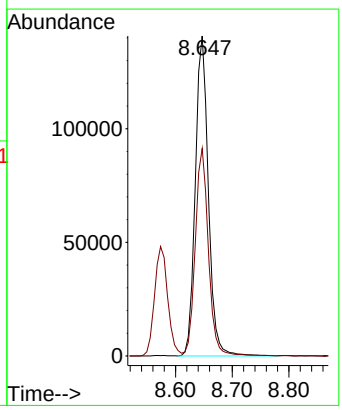


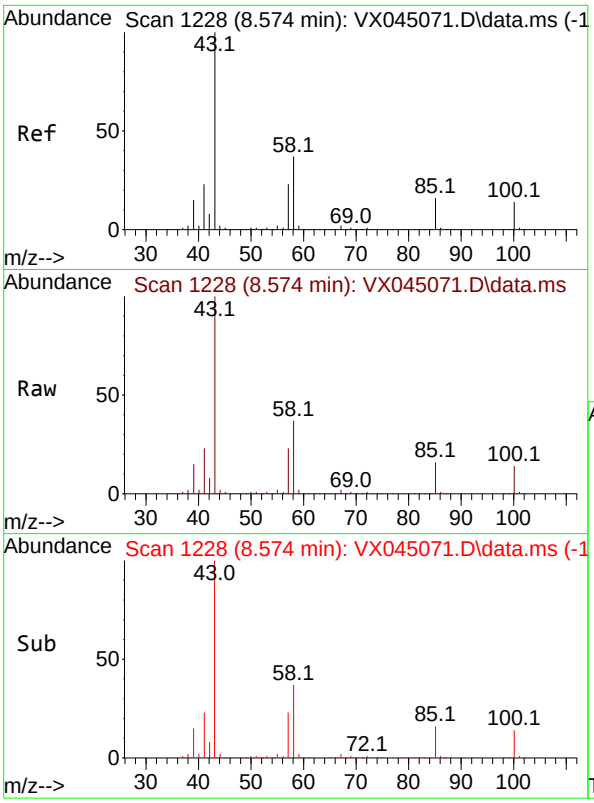


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



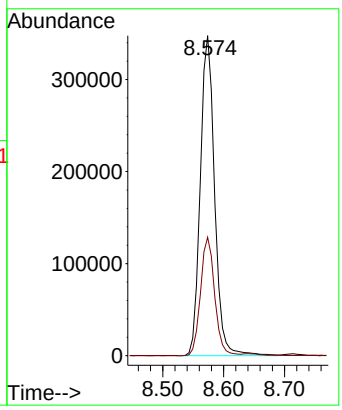


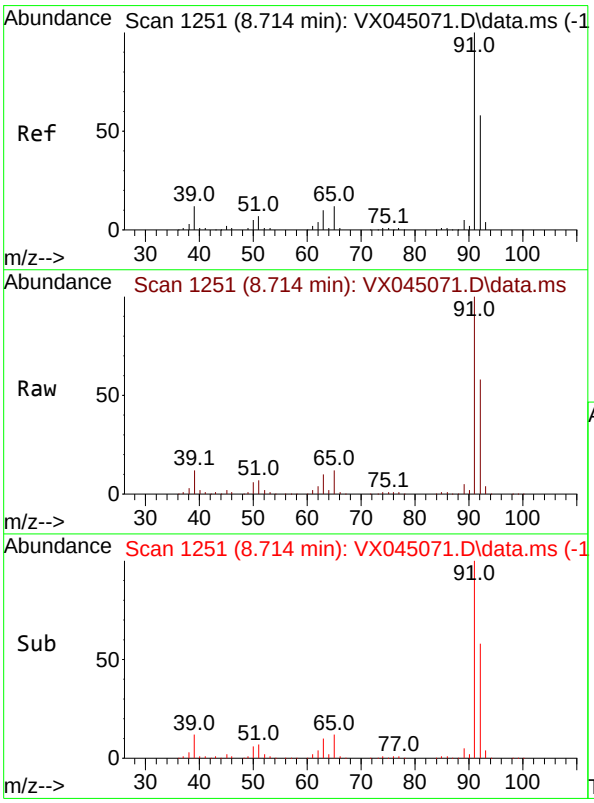
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

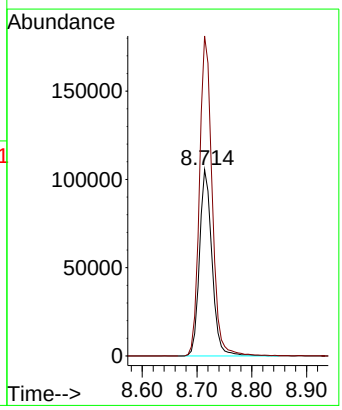


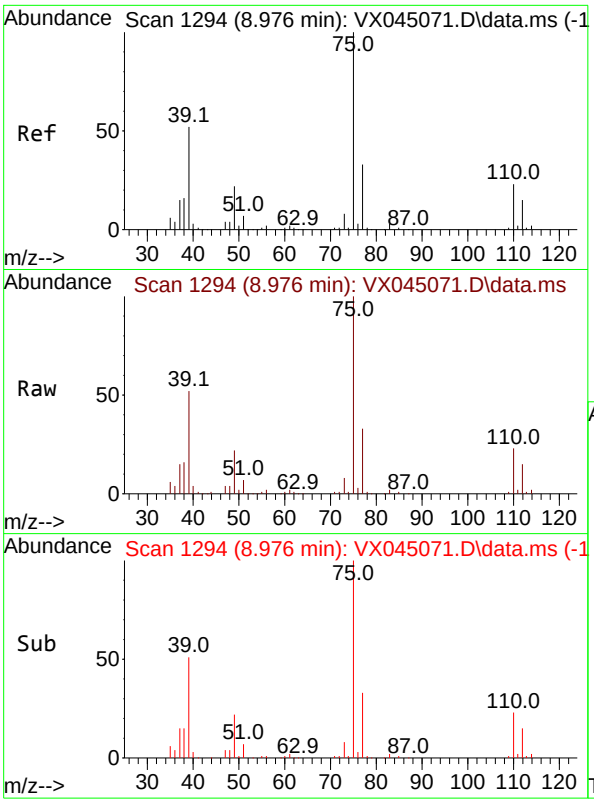


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



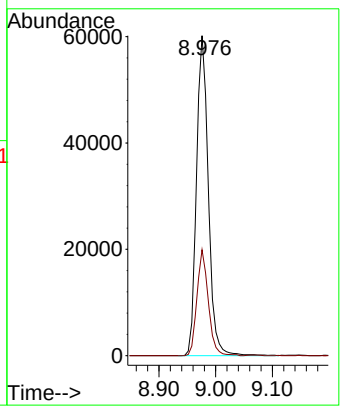


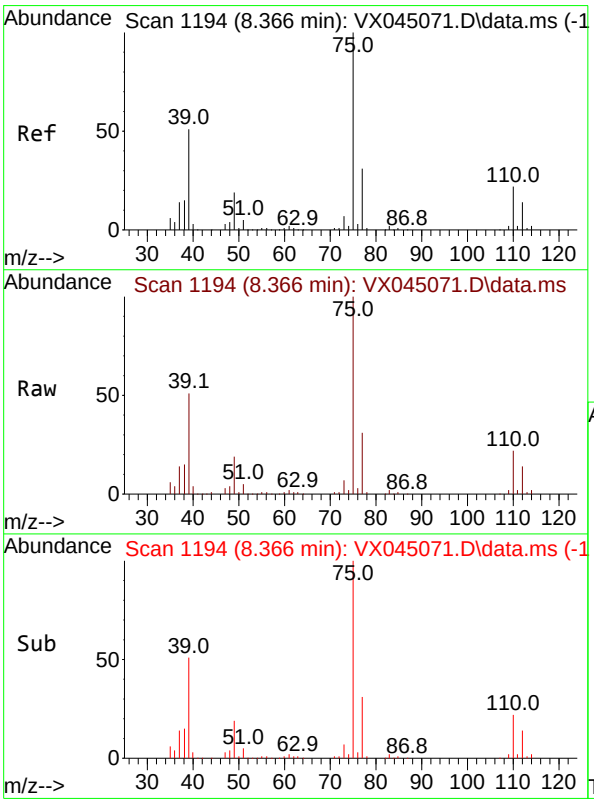
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

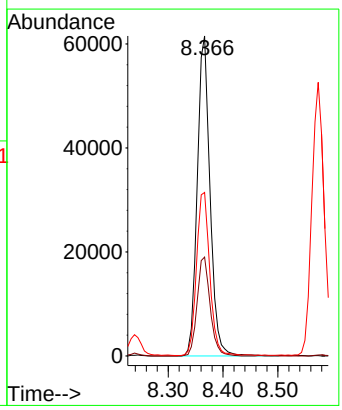


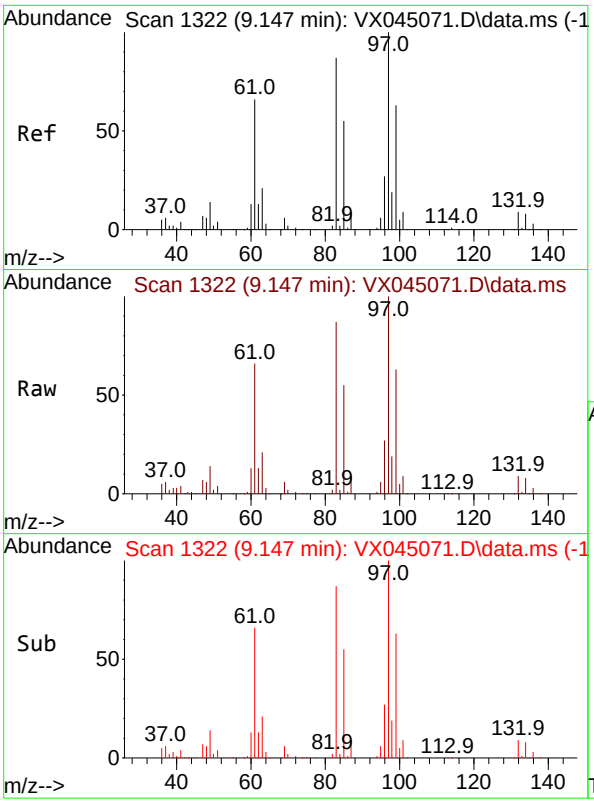


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



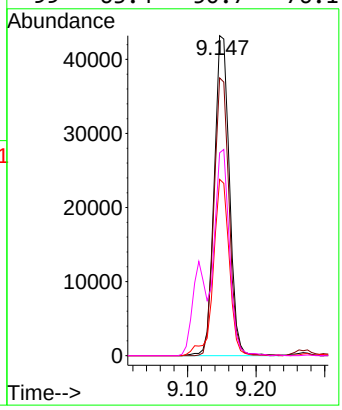


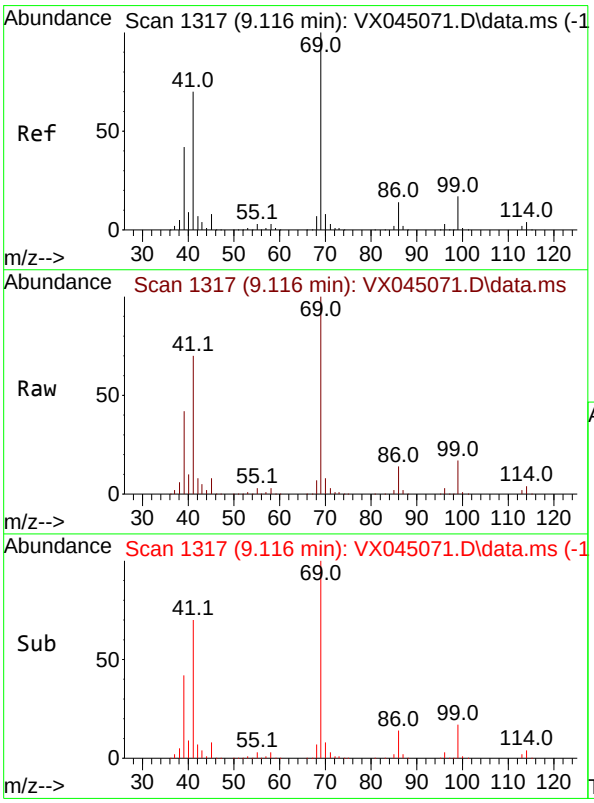
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 66379

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1

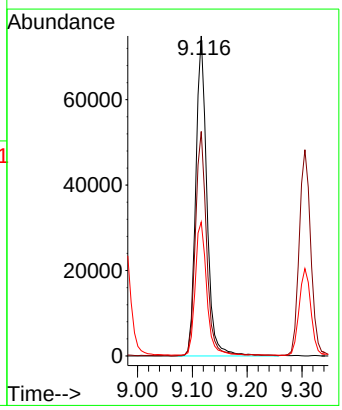


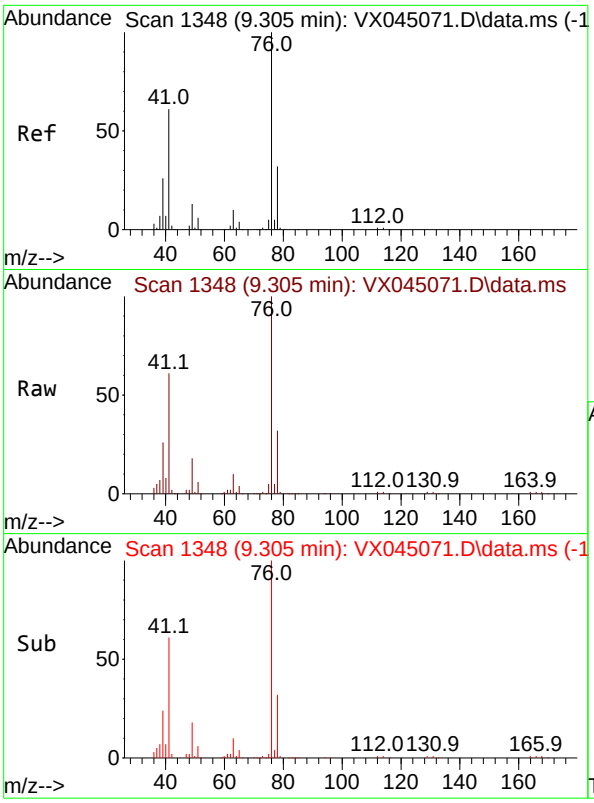


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4



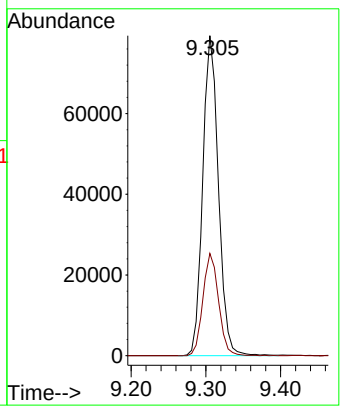


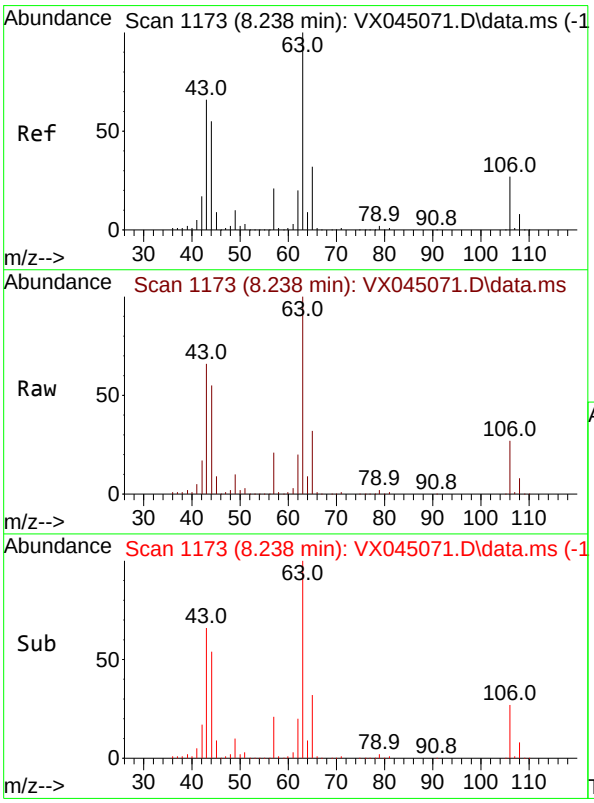
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

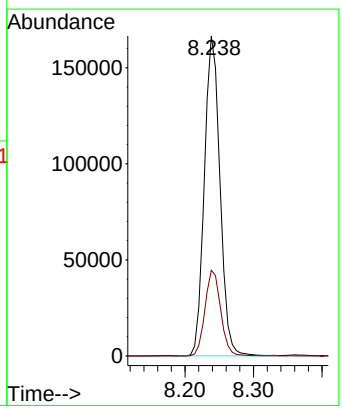


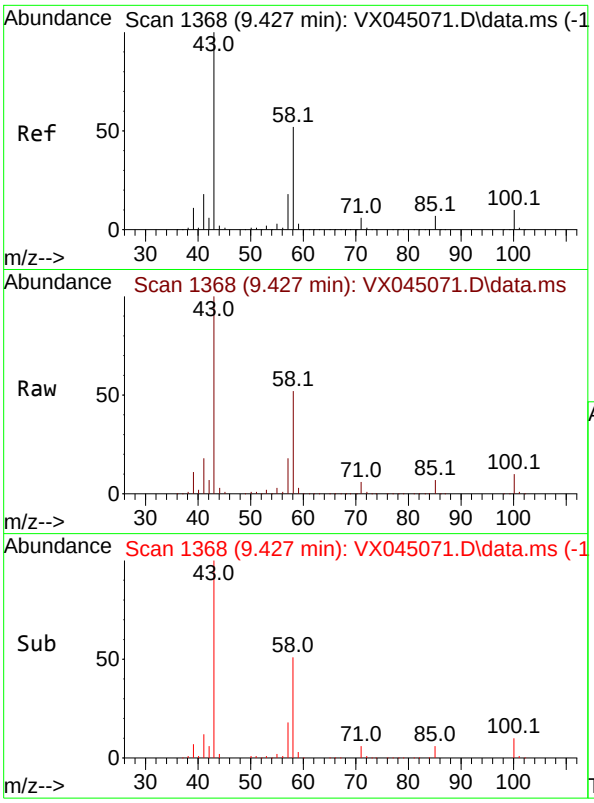


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



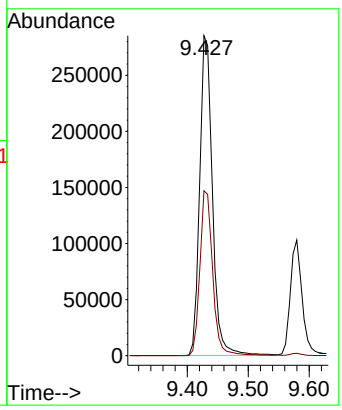


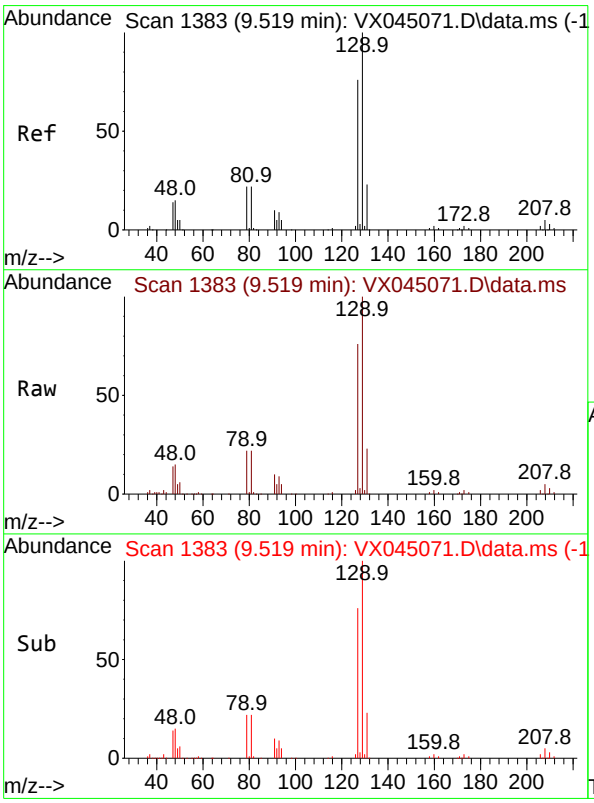
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

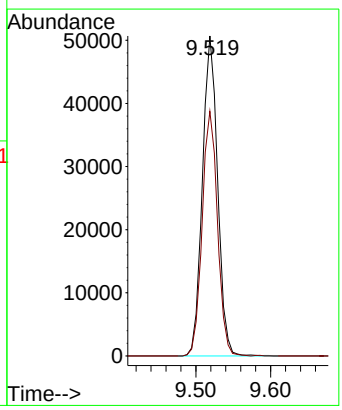


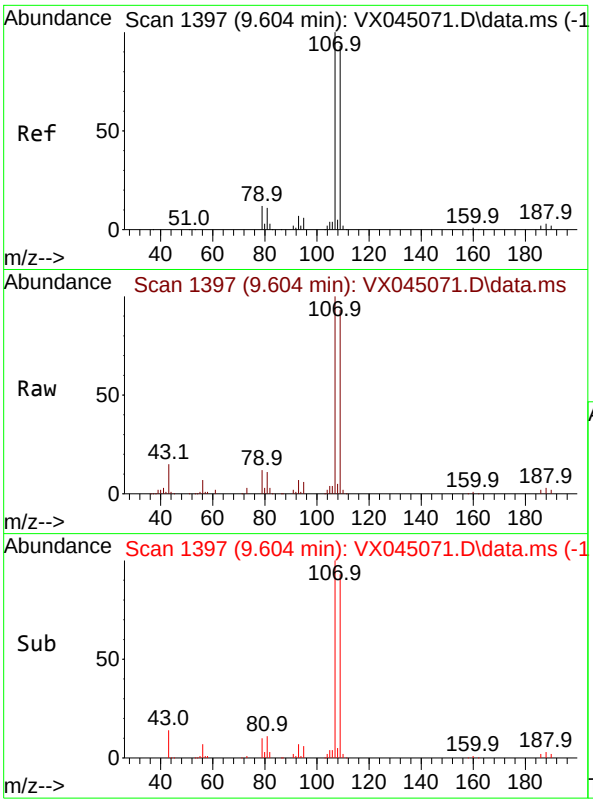


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



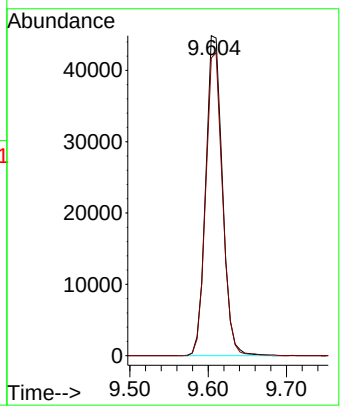


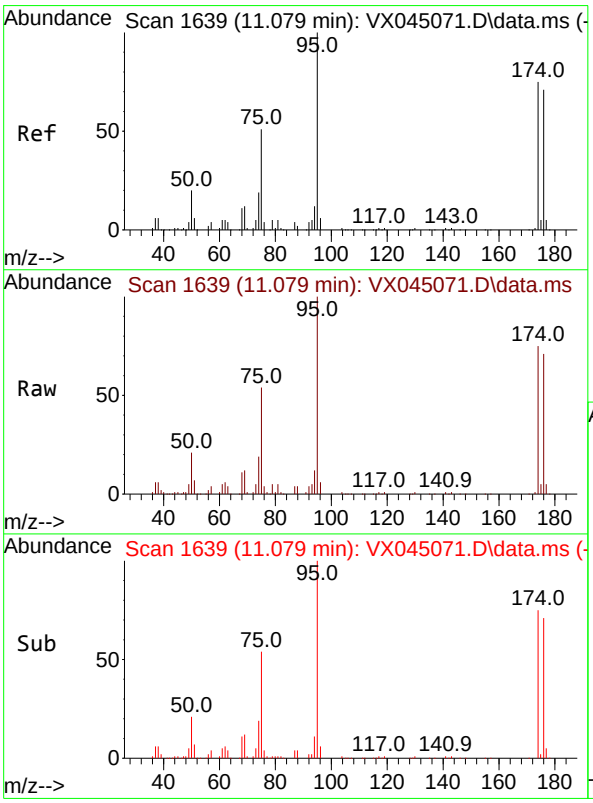
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

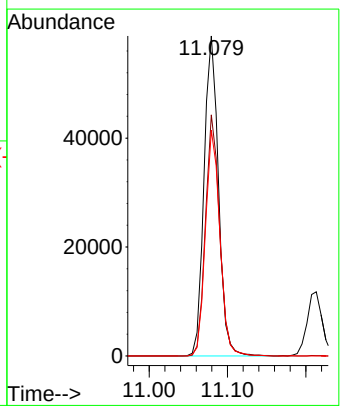


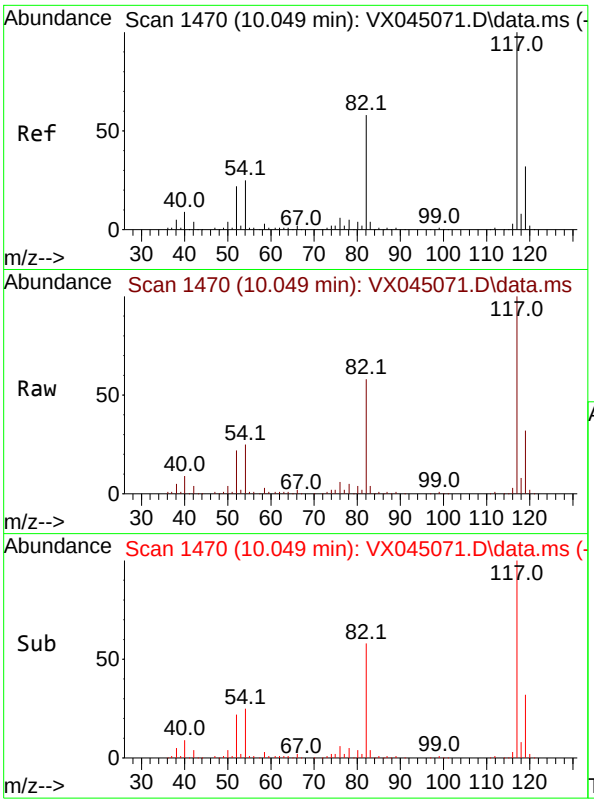


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4



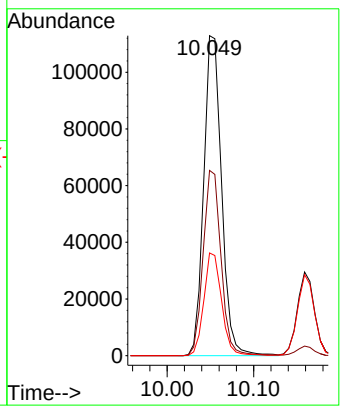


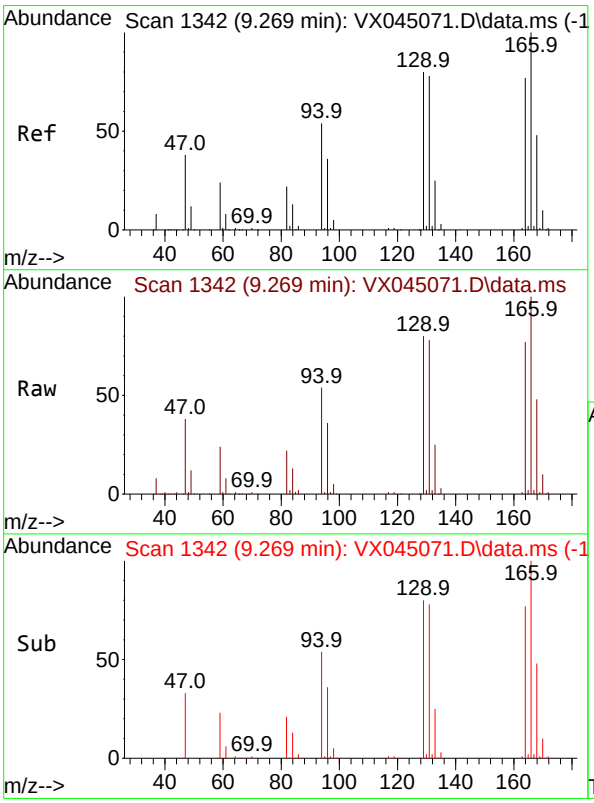
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 162079

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

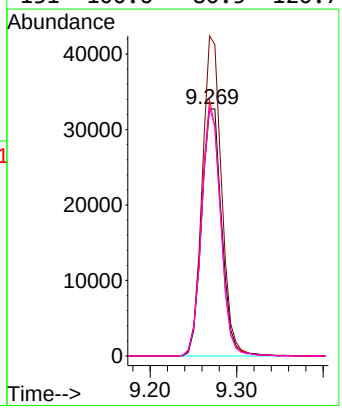


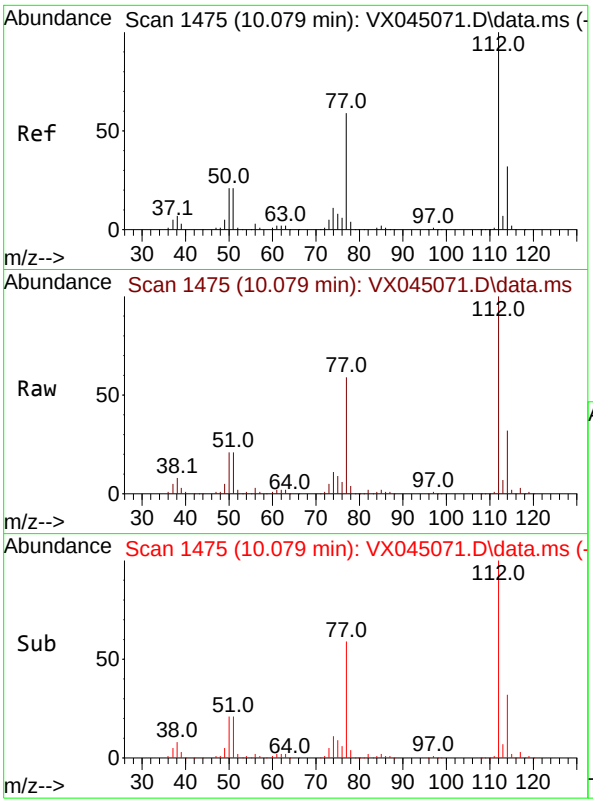


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7



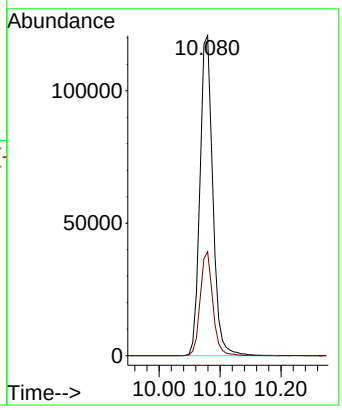


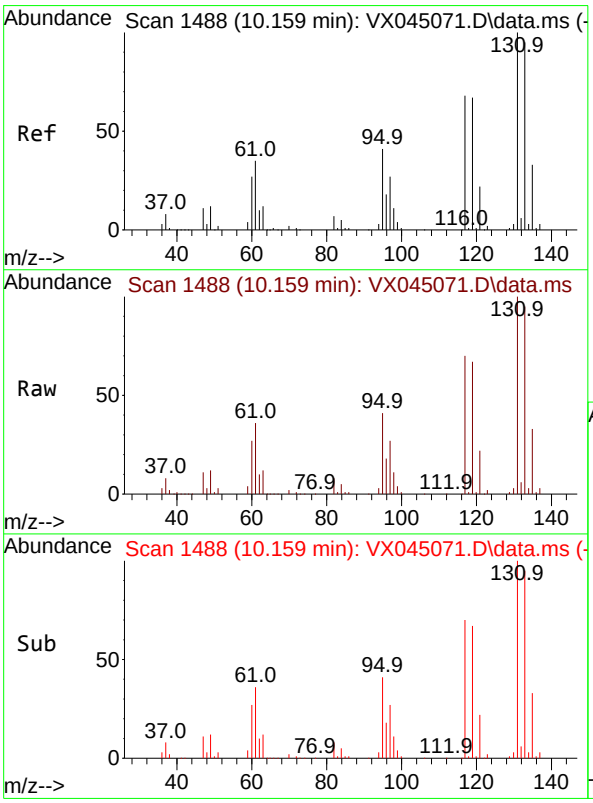
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

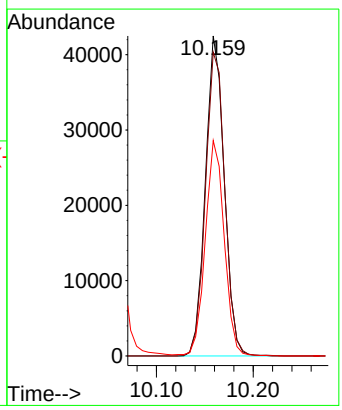


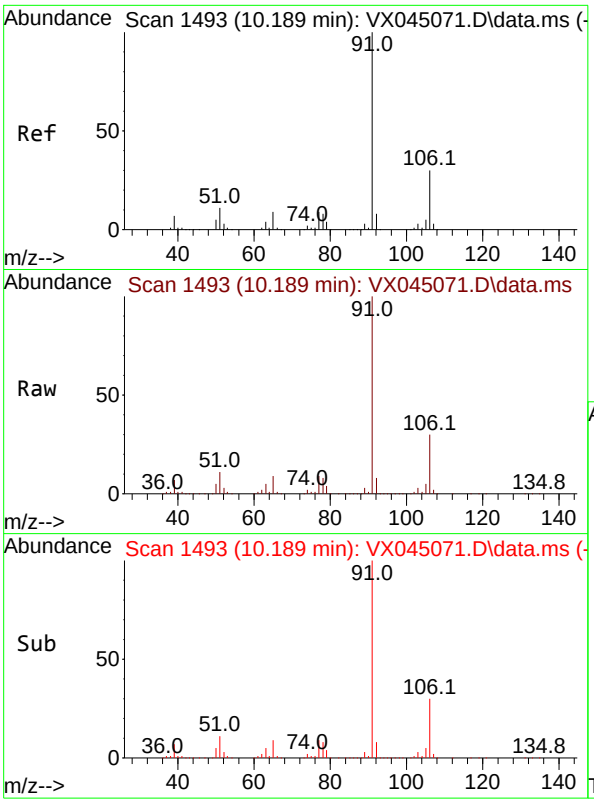


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7



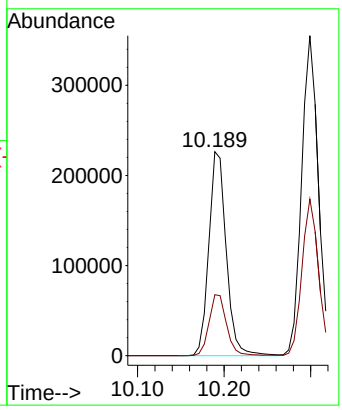


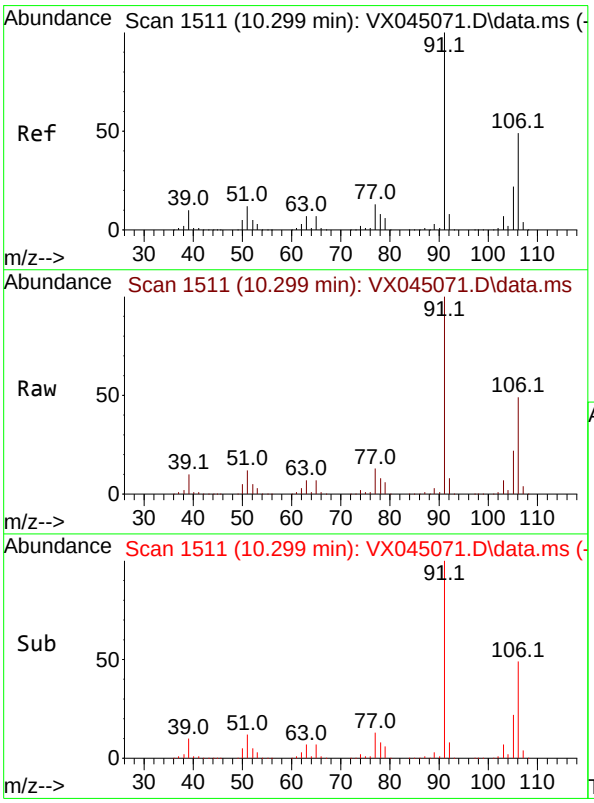
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

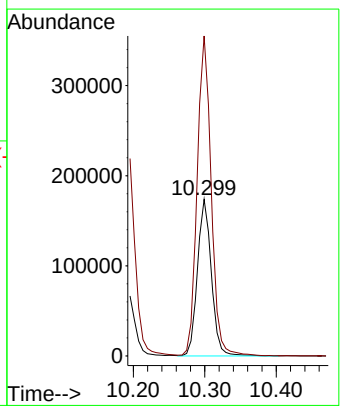


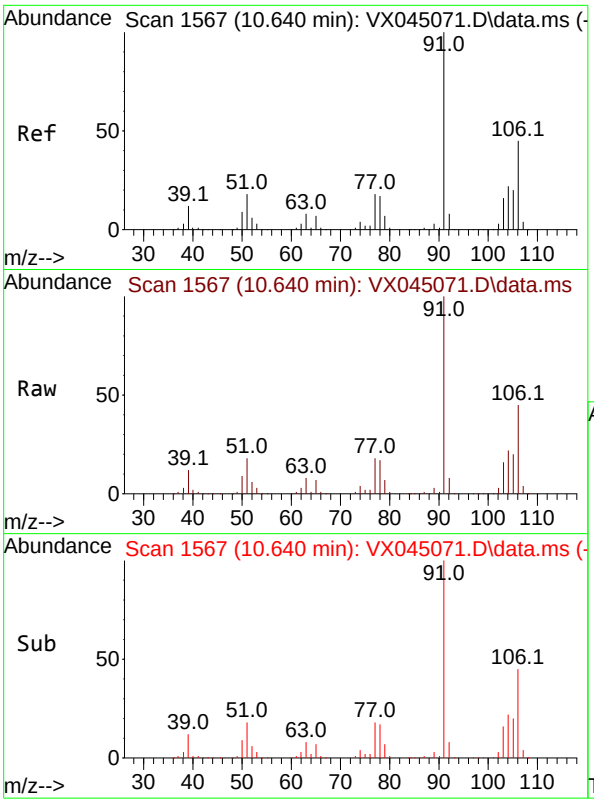


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



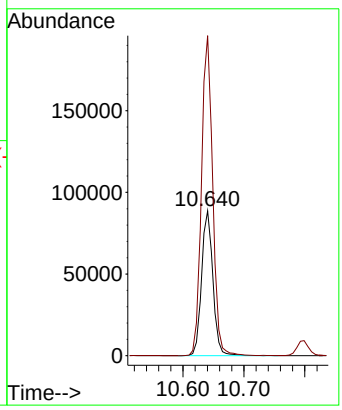


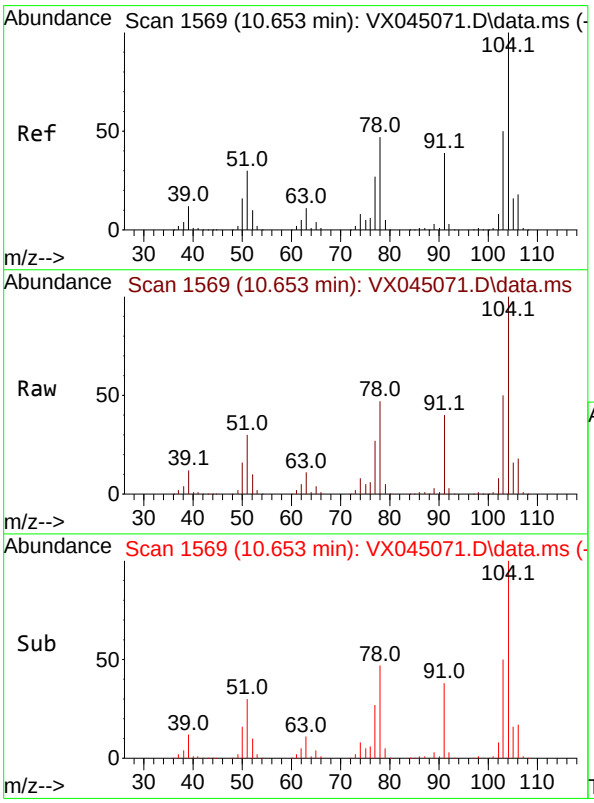
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

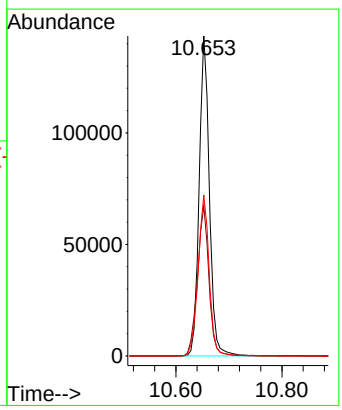


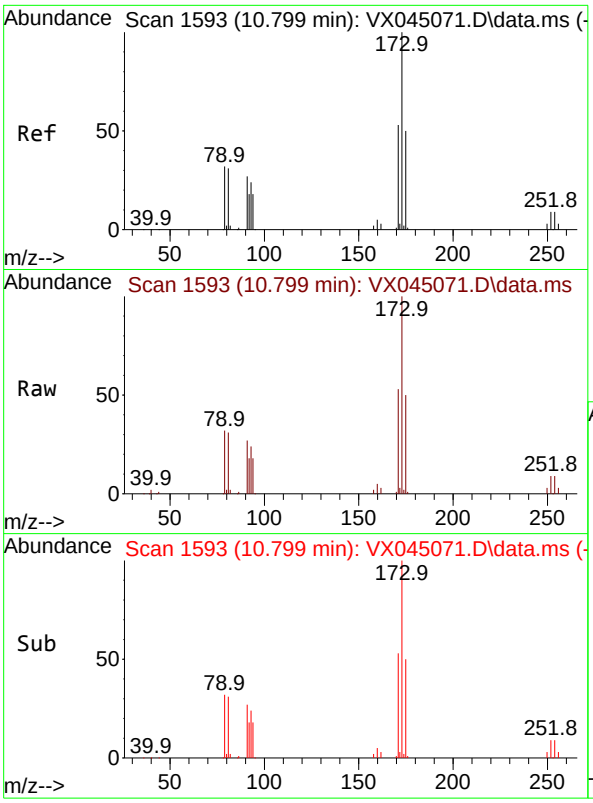


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



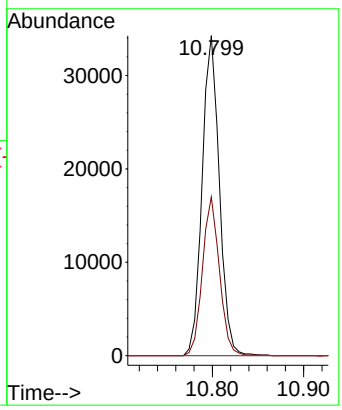


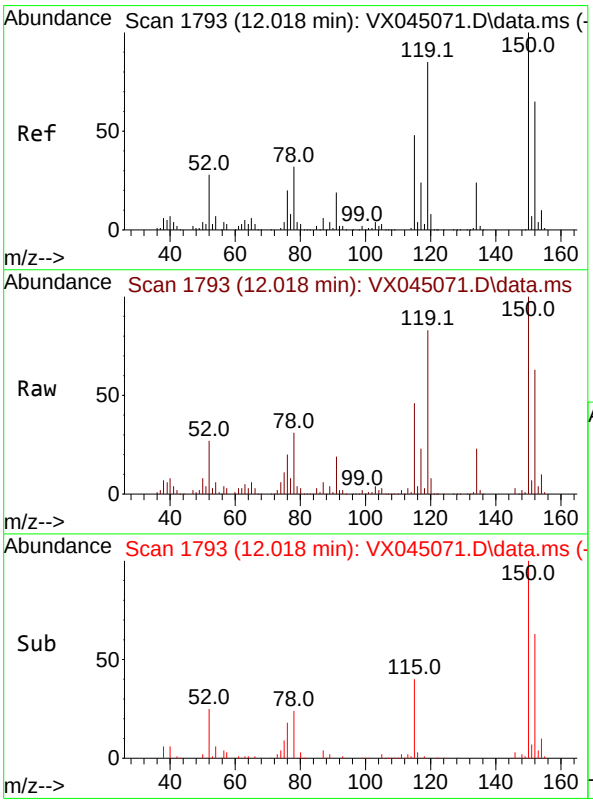
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44730

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

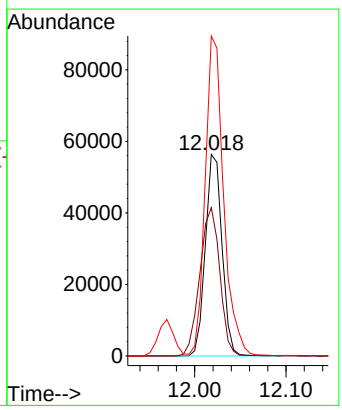


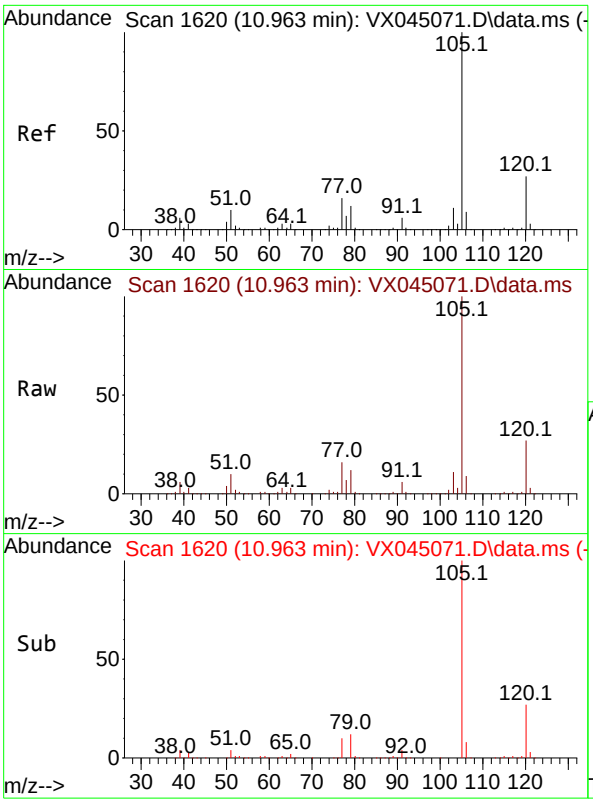


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0



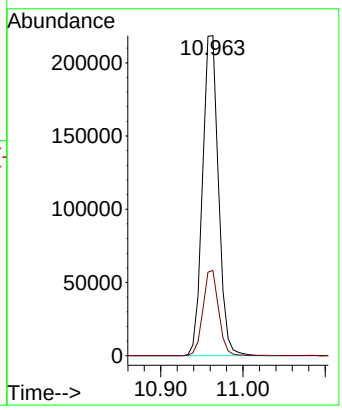


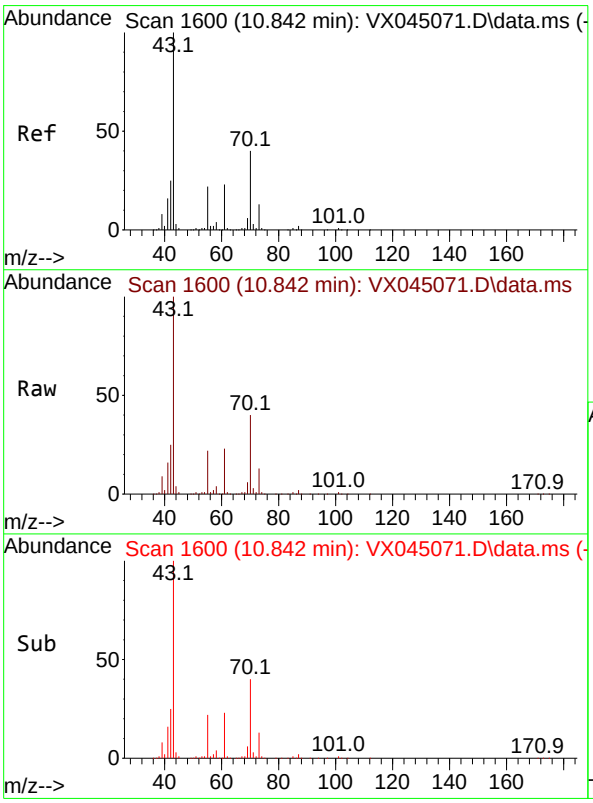
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

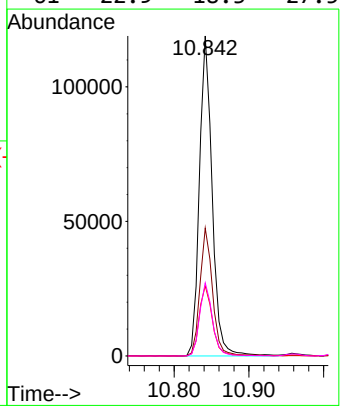


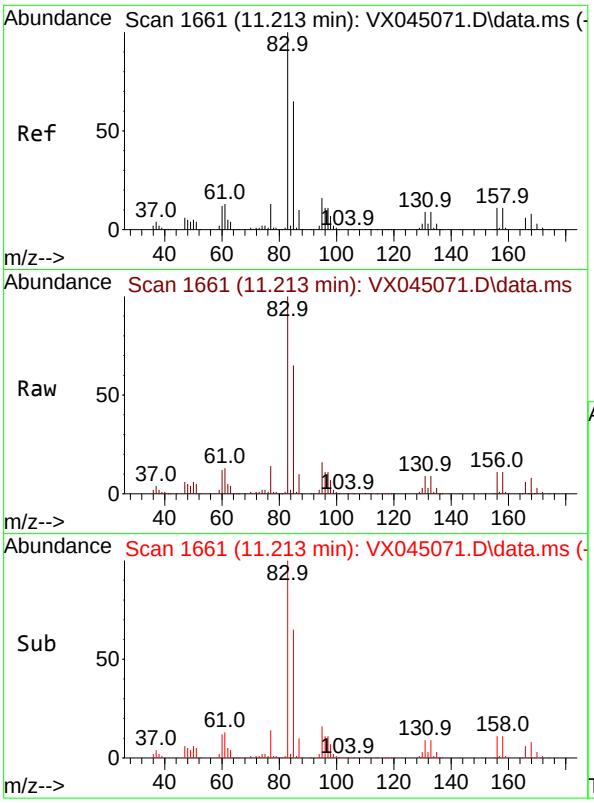


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5



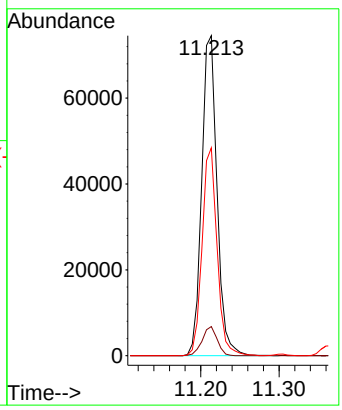


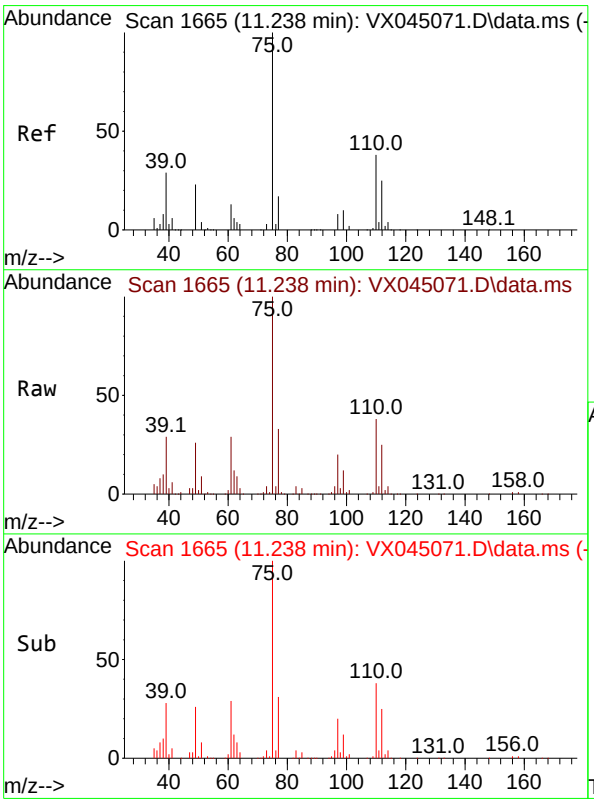
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 101089

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

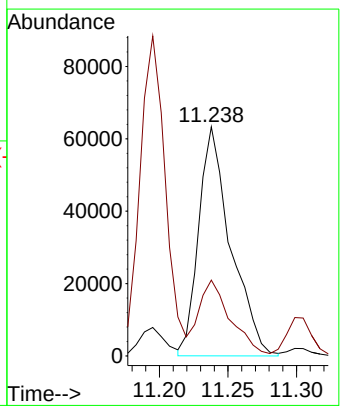


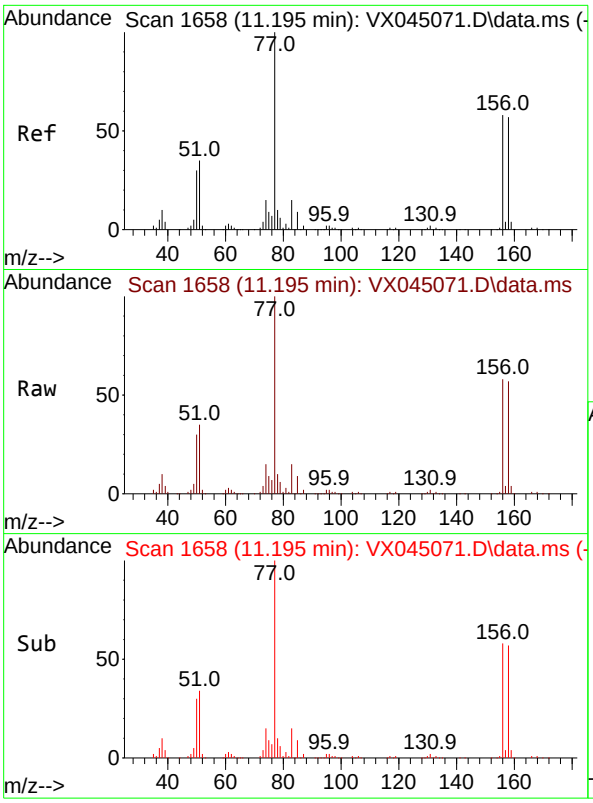


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



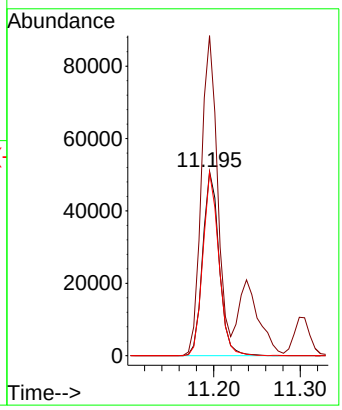


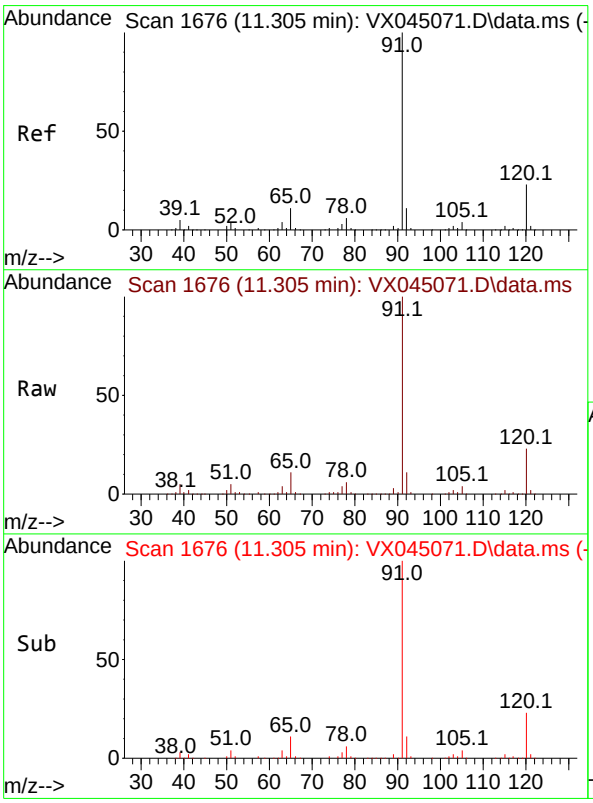
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 66904

Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

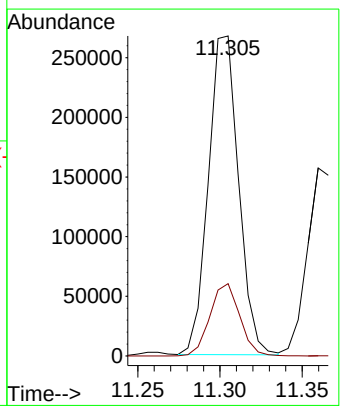


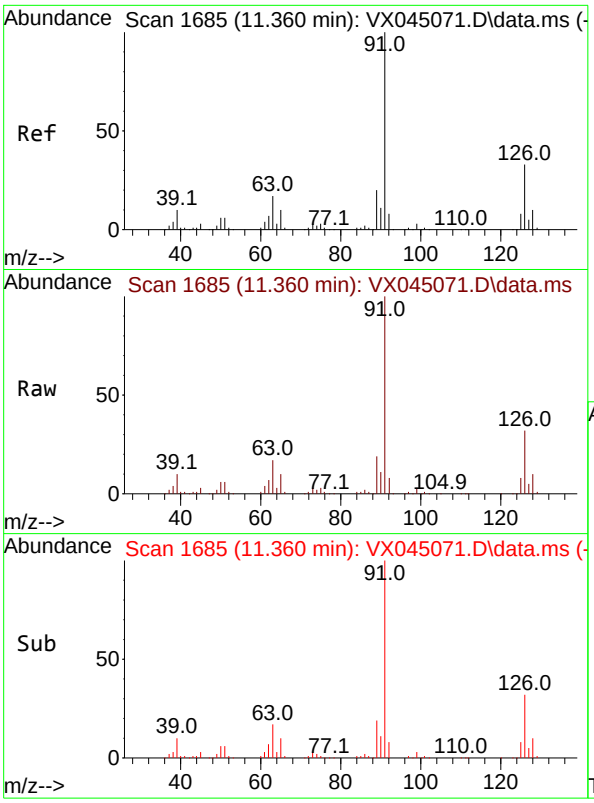


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



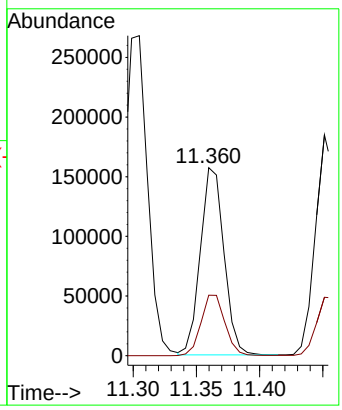


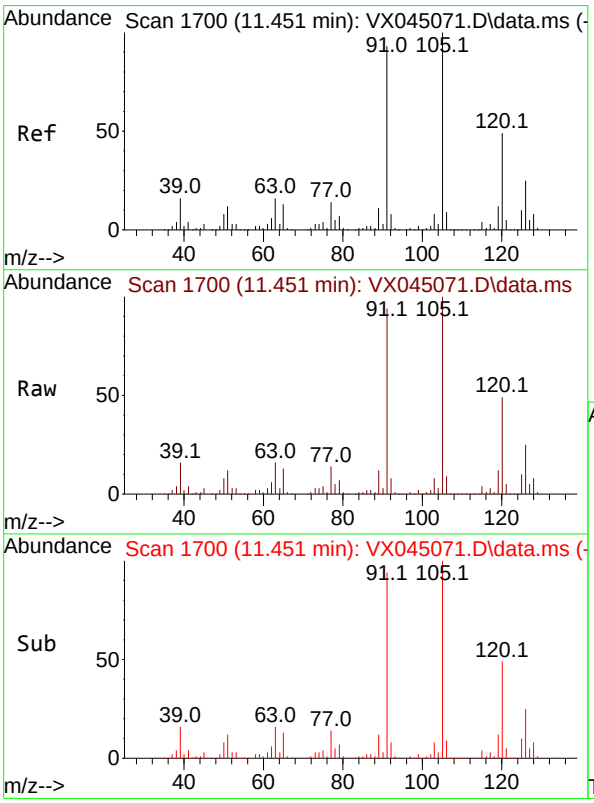
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

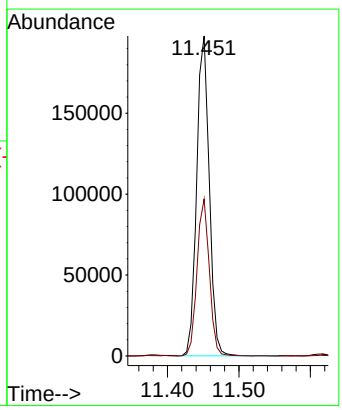


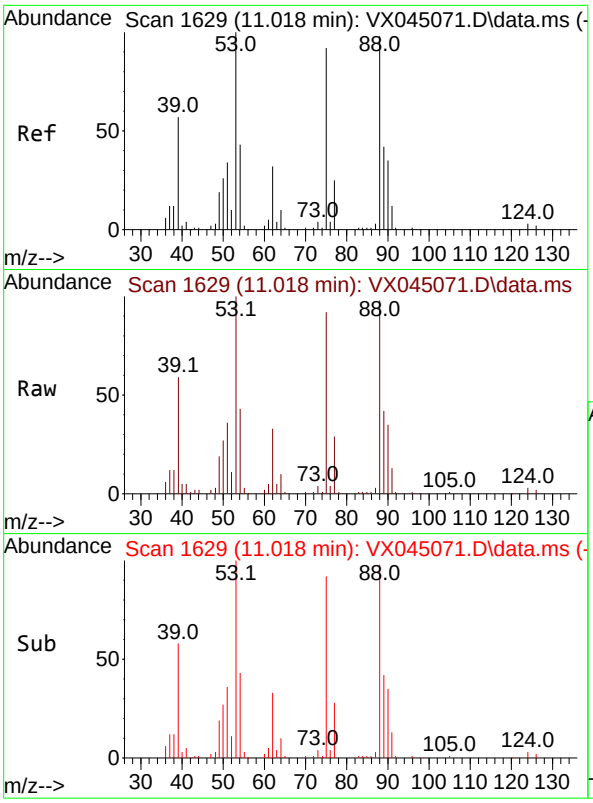


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



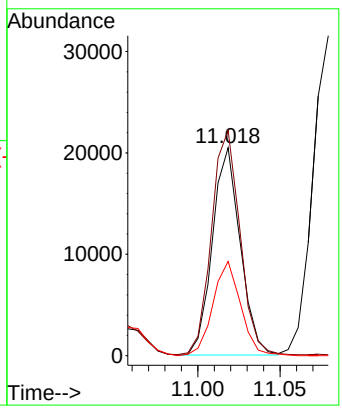


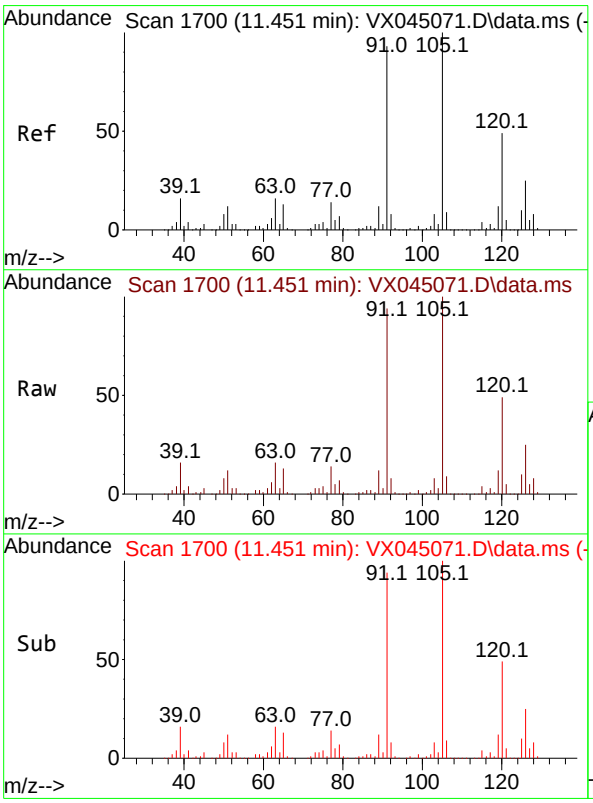
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 24135

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

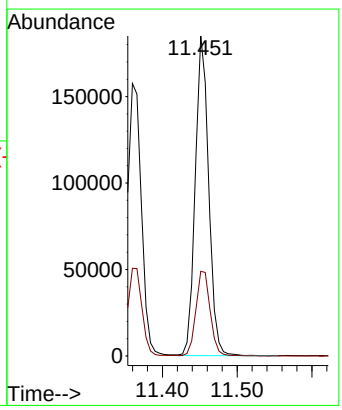


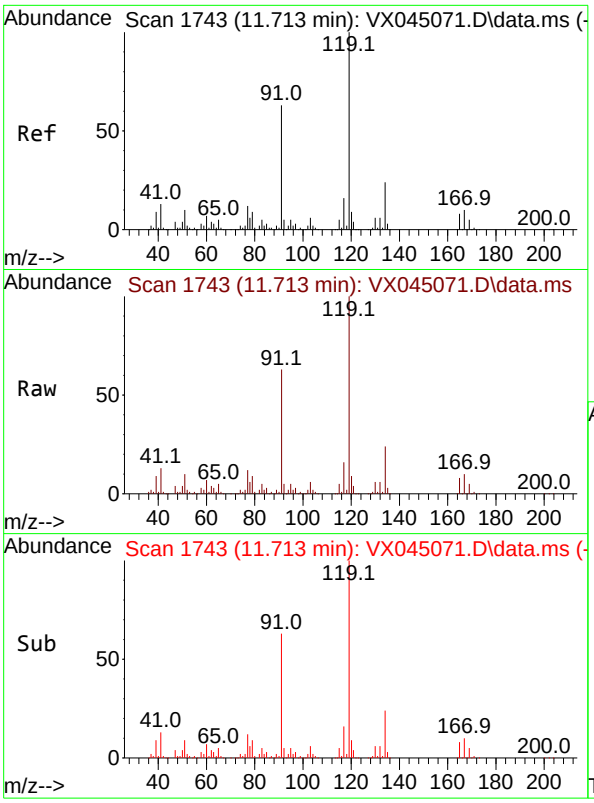


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



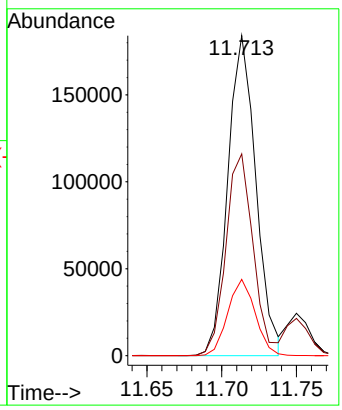


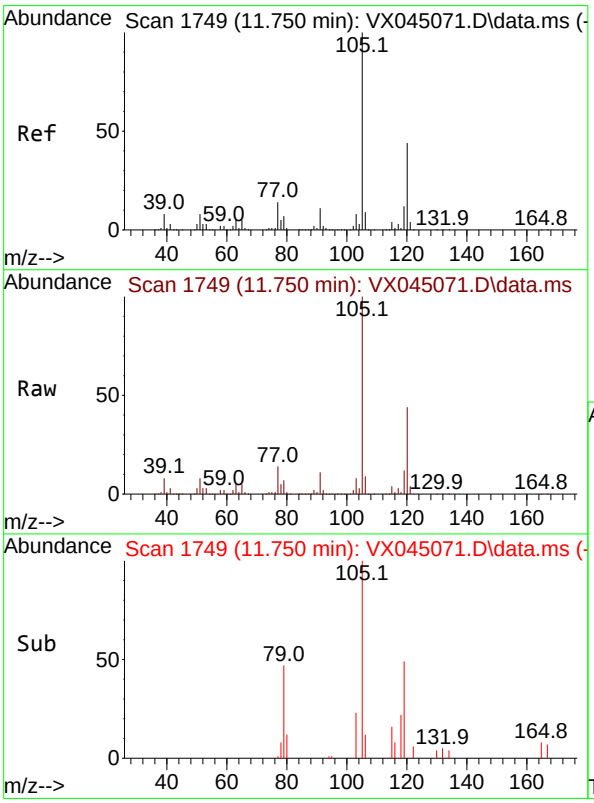
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 240510

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0

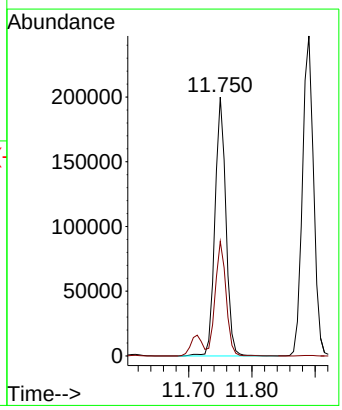


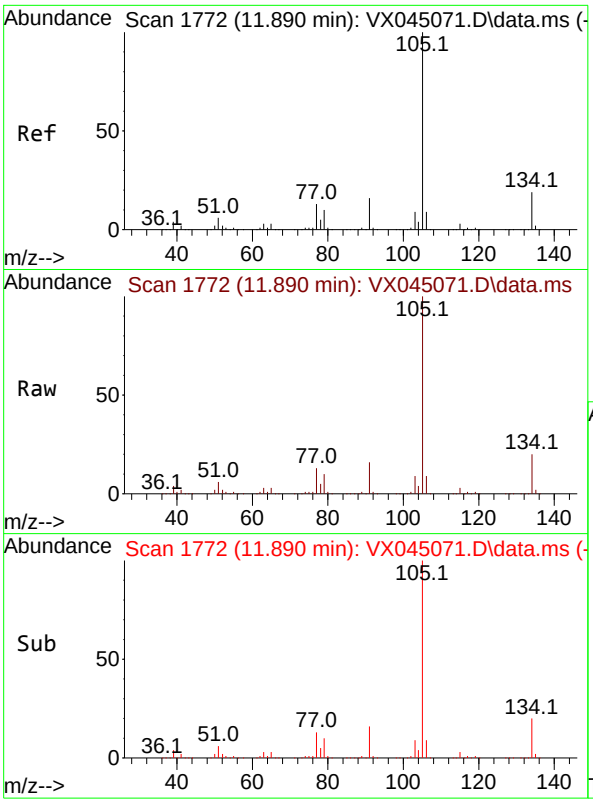


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



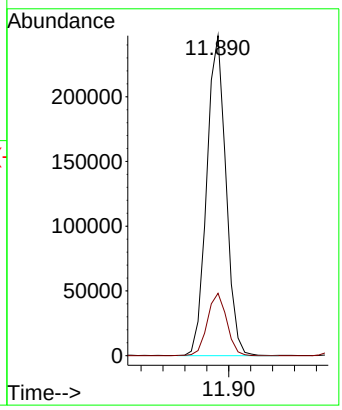


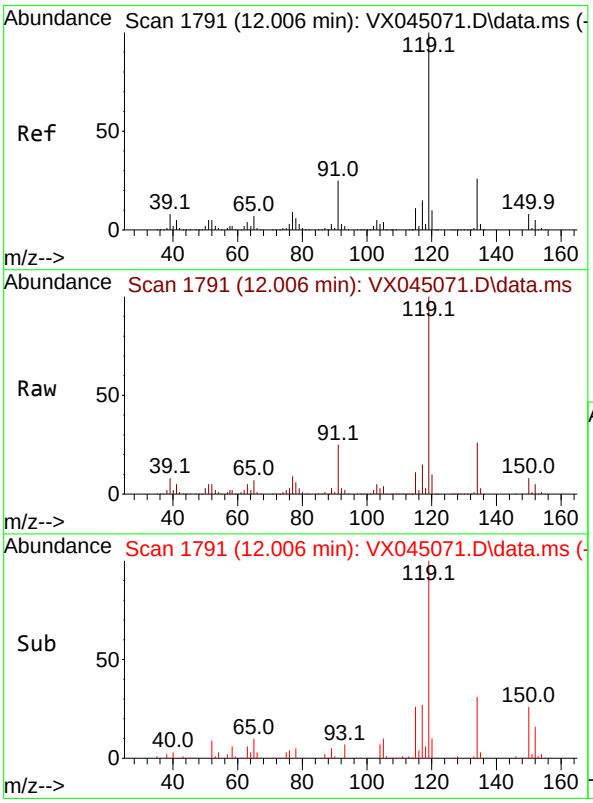
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

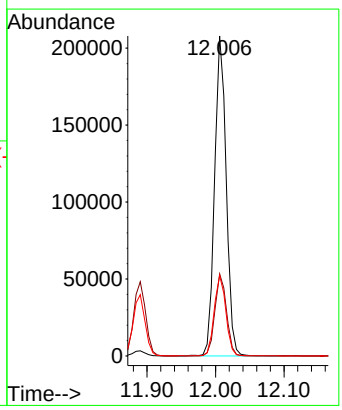


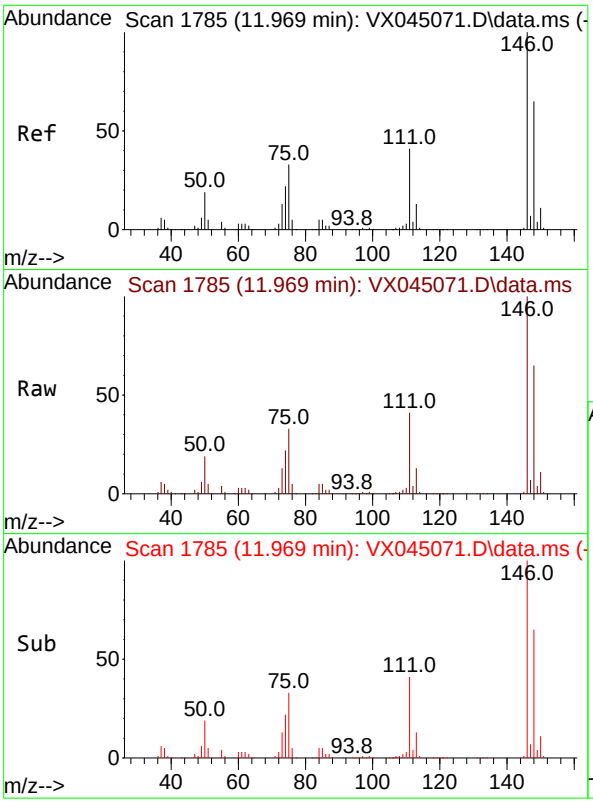


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0



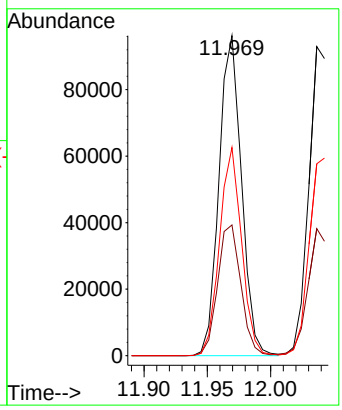


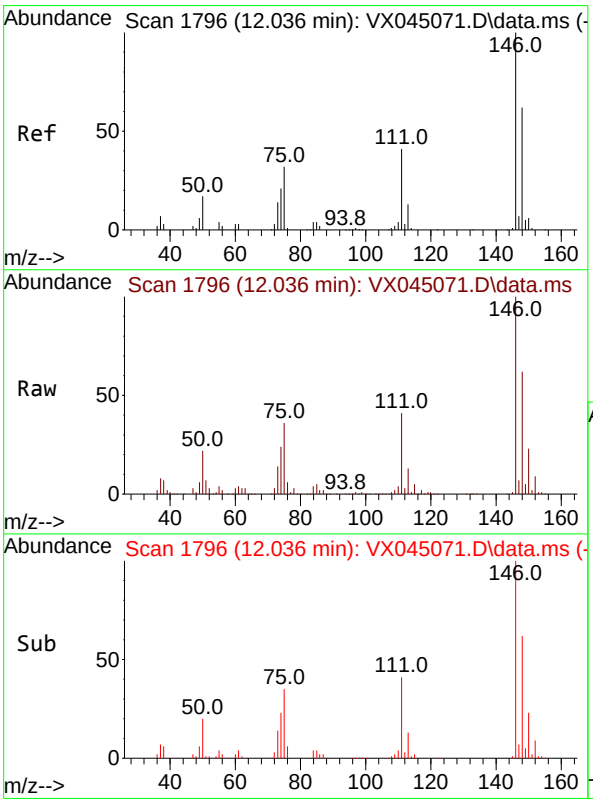
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118879

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

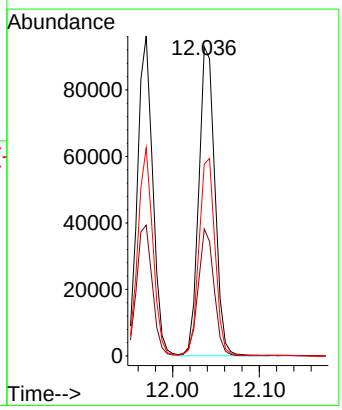


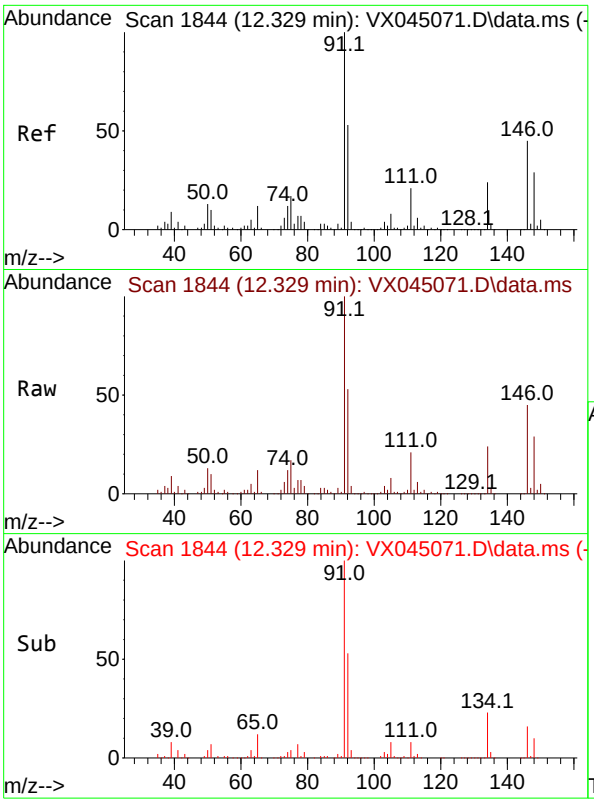


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9



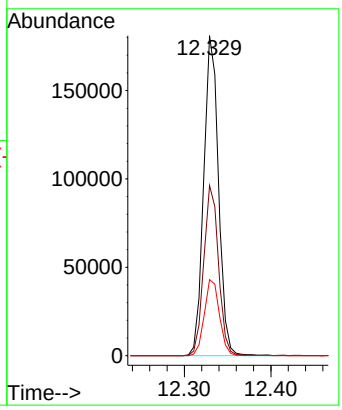


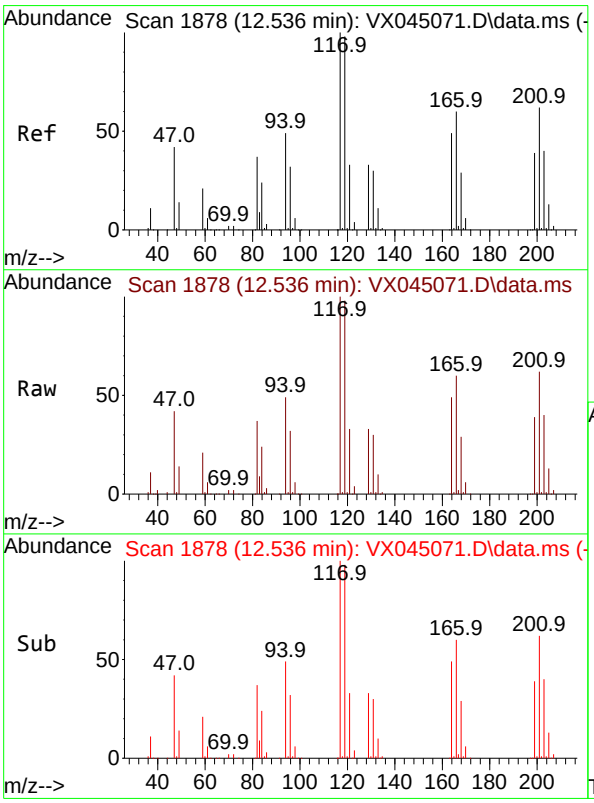
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 214685

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6

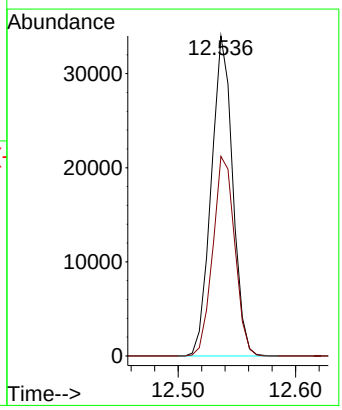


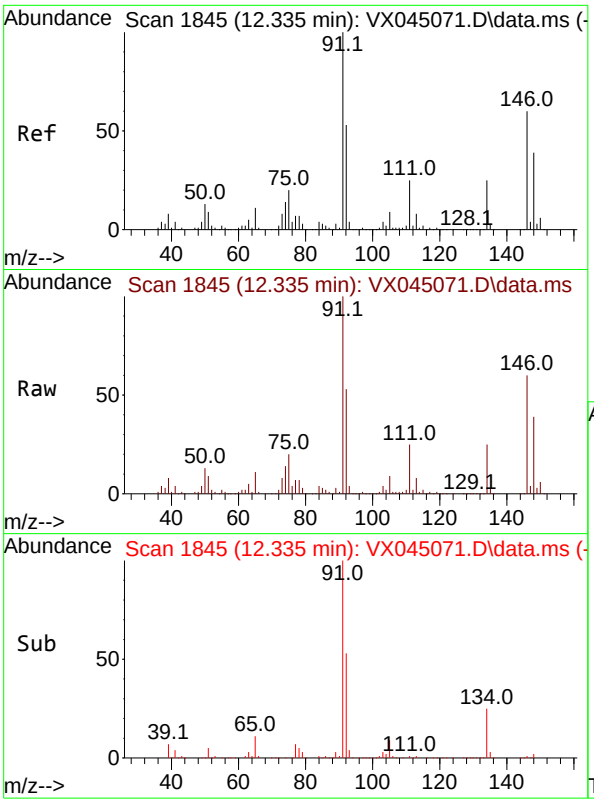


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



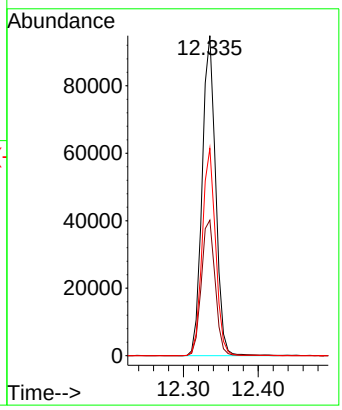


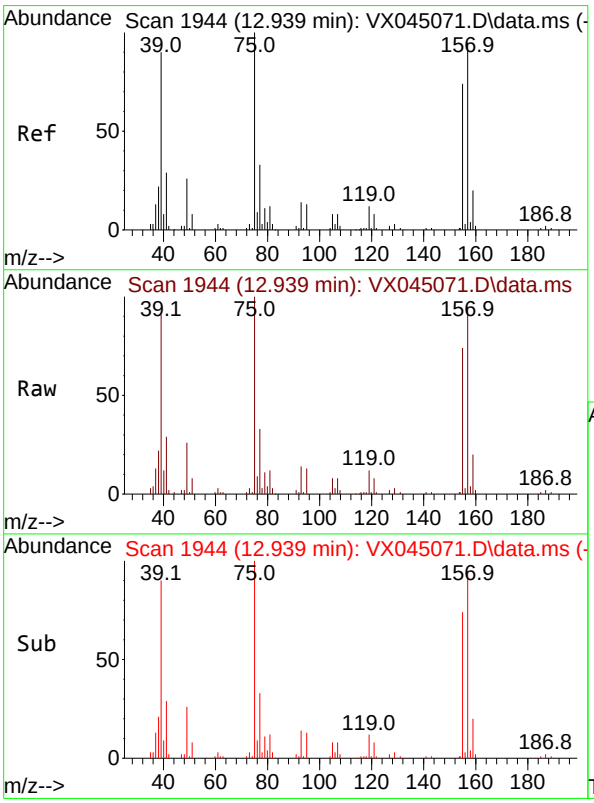
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118896

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9

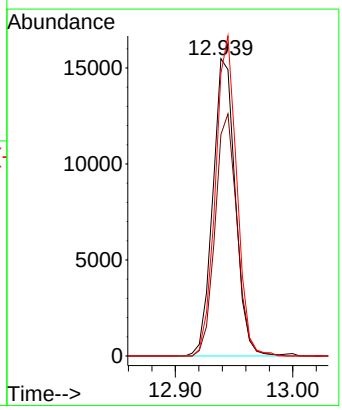


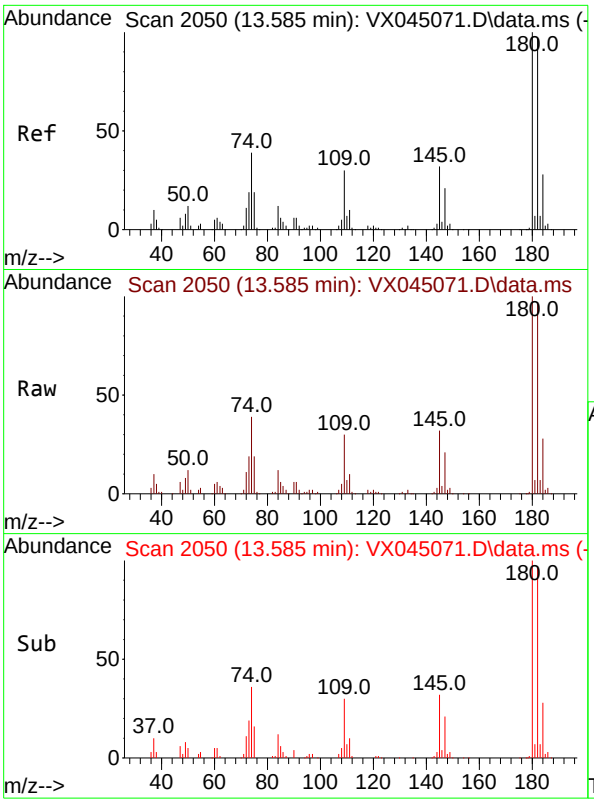


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4



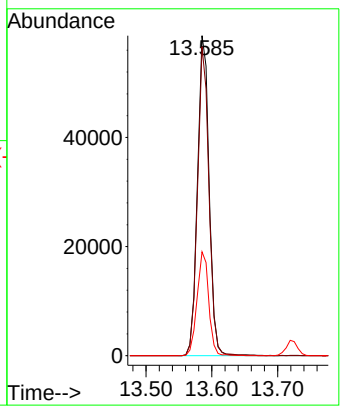


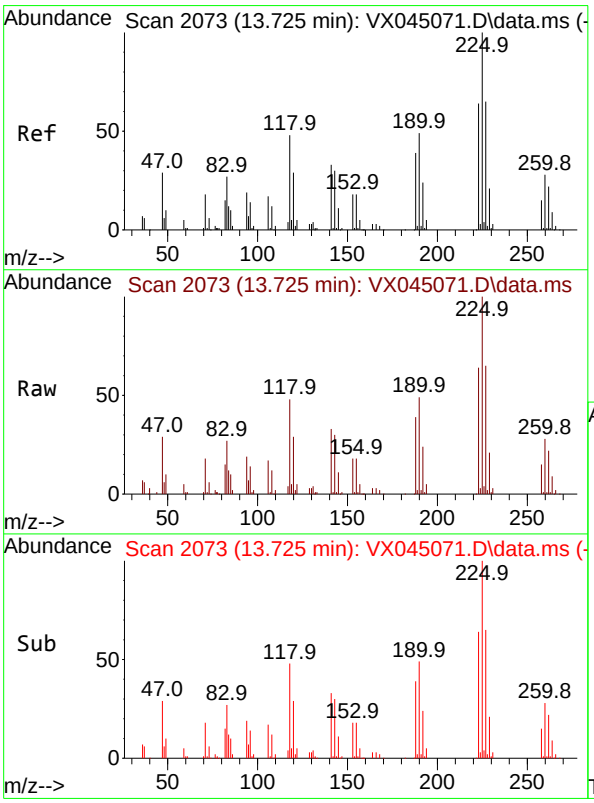
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 71897

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

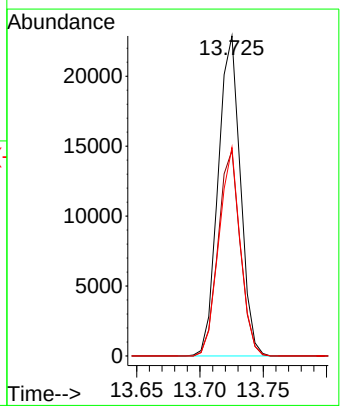


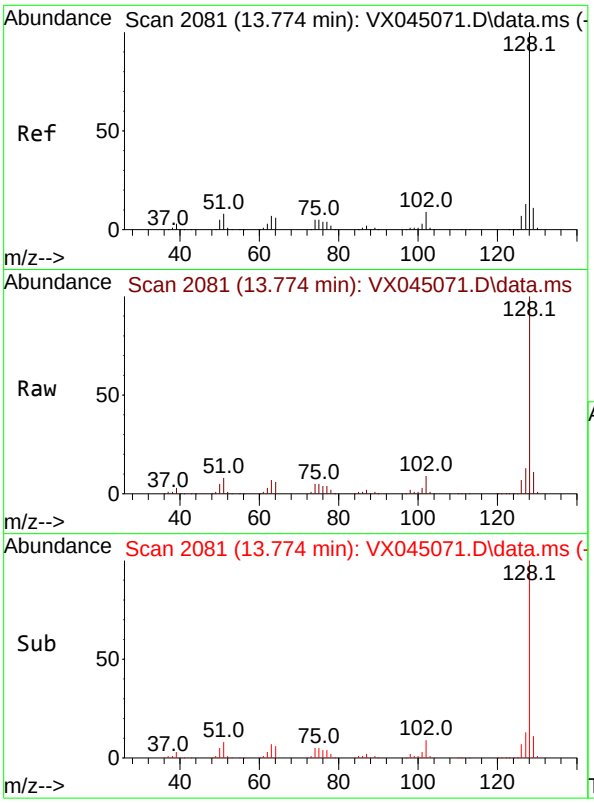


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0



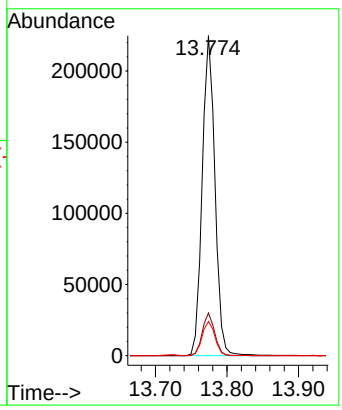


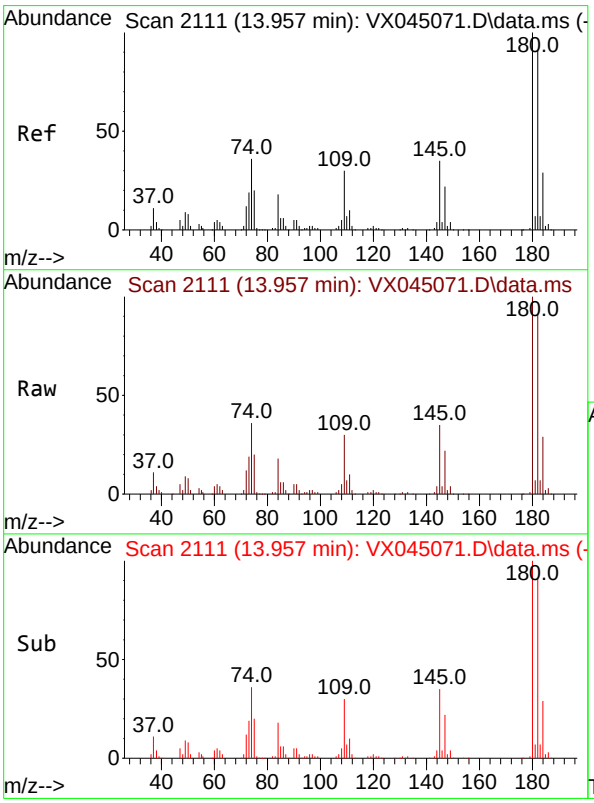
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 278086

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

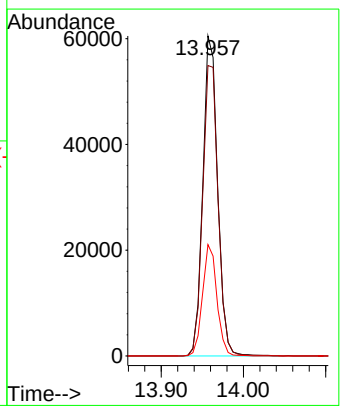




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l	99
44) Trichloroethene	7.122	130	128124	105.402 ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l	100
46) Dibromomethane	7.580	93	97248	105.329 ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l	99
52) Toluene	8.714	92	316349	100.178 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l	99
69) o-Xylene	10.640	106	213835	100.849 ug/l	99
70) Styrene	10.652	104	357649	104.948 ug/l	99
71) Bromoform	10.799	173	90800	116.751 ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	203020	131.738 ug/l	86
77) Bromobenzene	11.195	156	125700	99.175 ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l	99
95) Naphthalene	13.774	128	565250	112.593 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

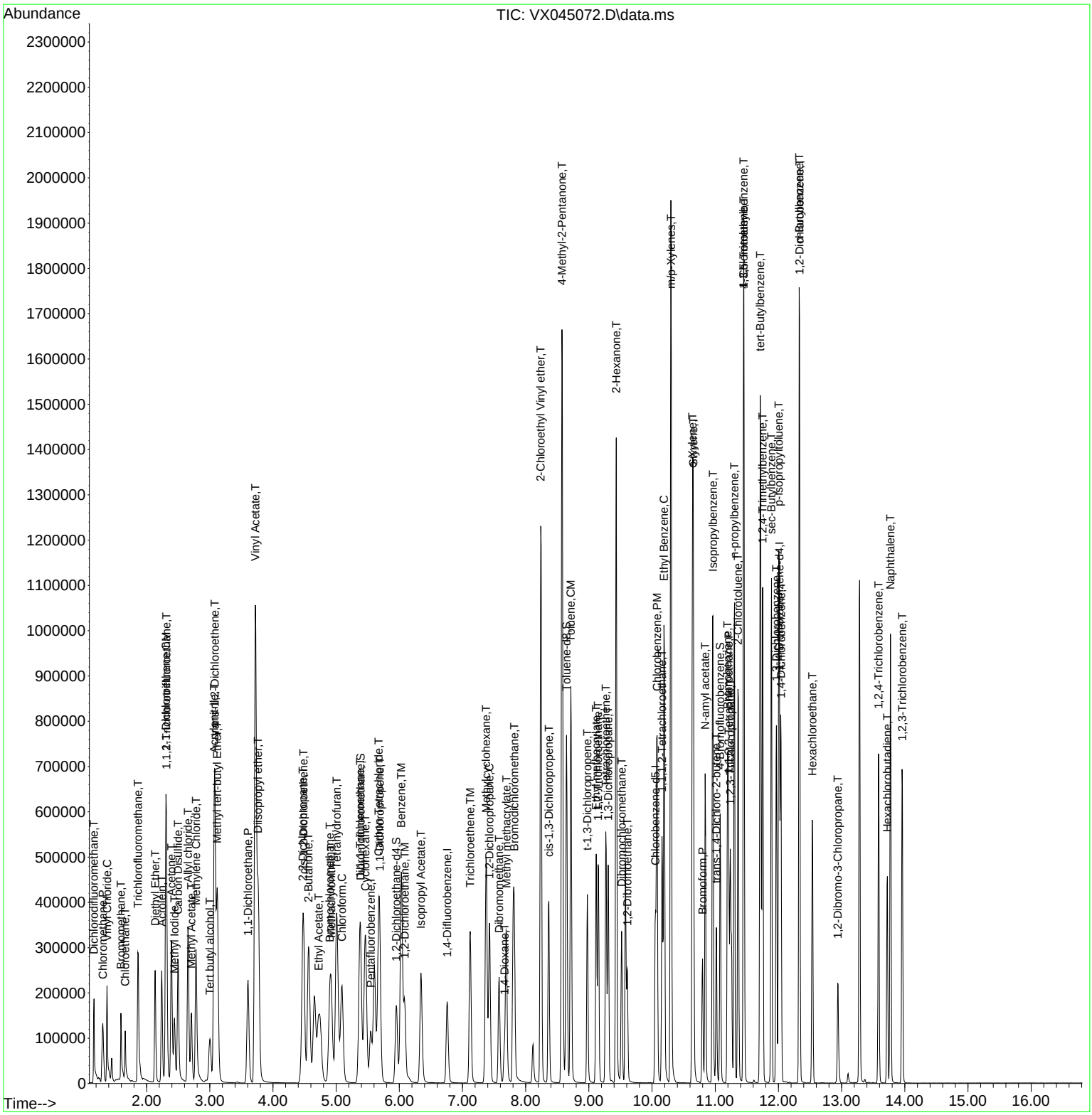
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

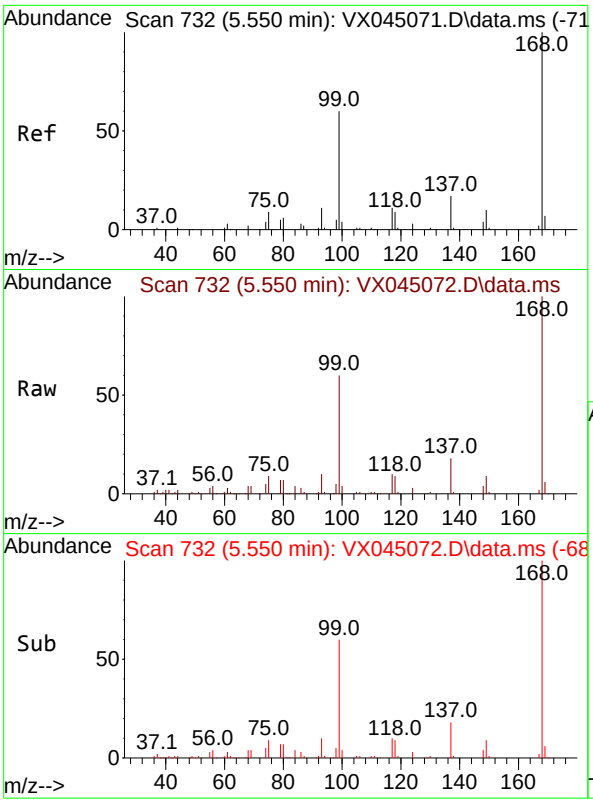
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



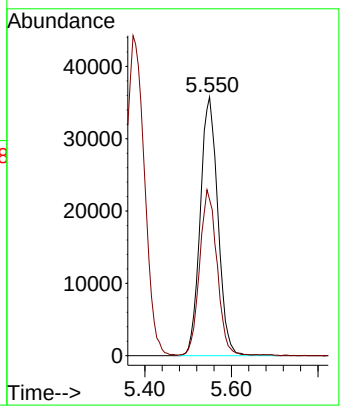


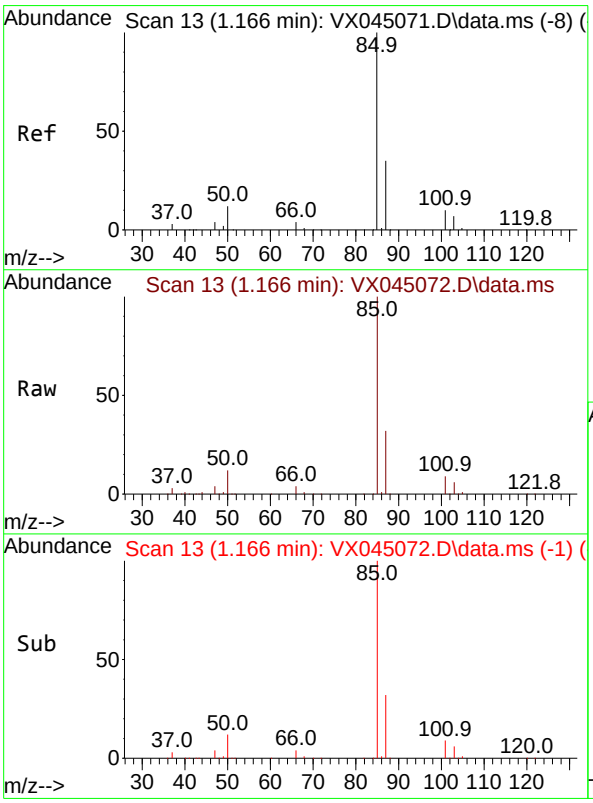
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

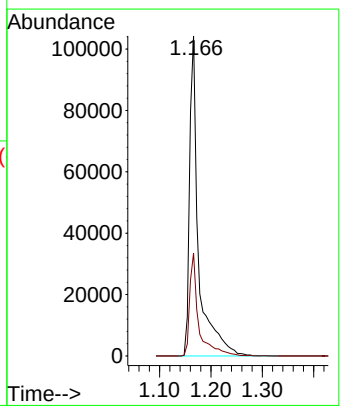


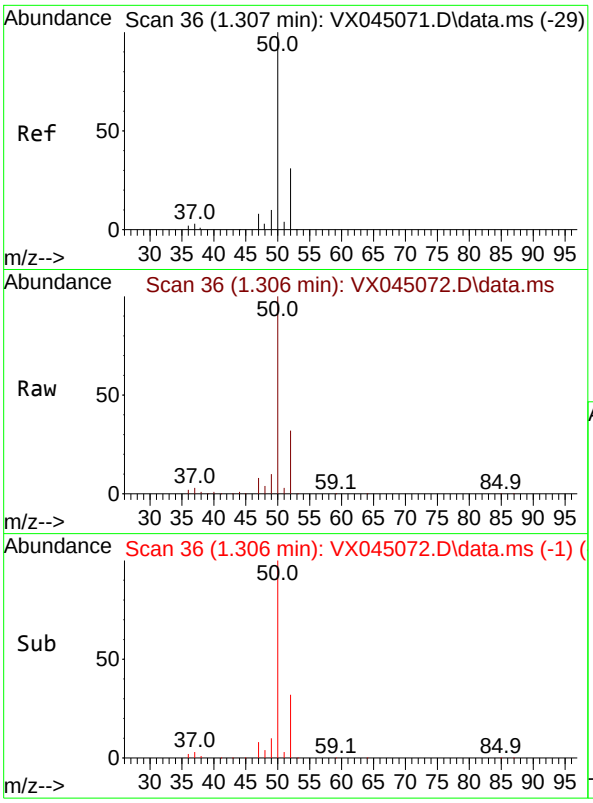


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



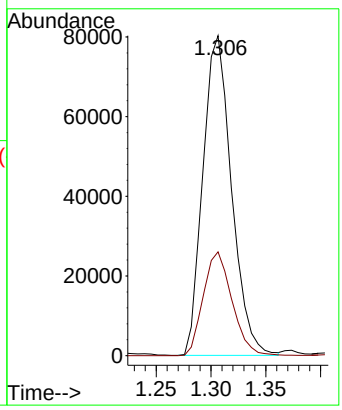


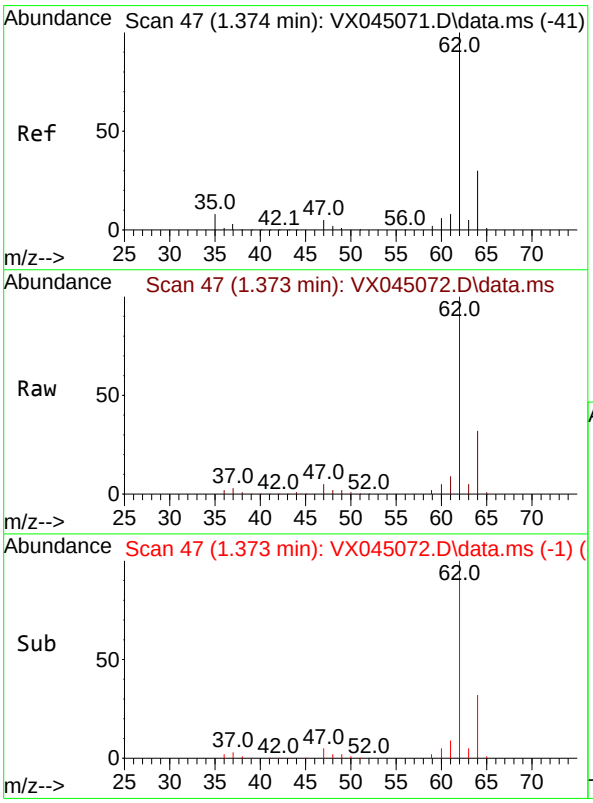
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

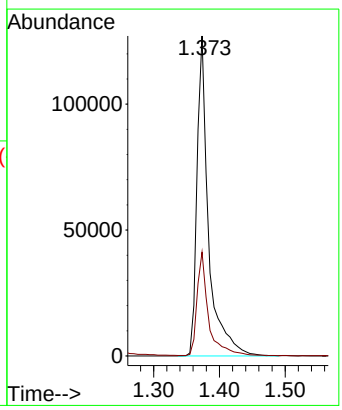


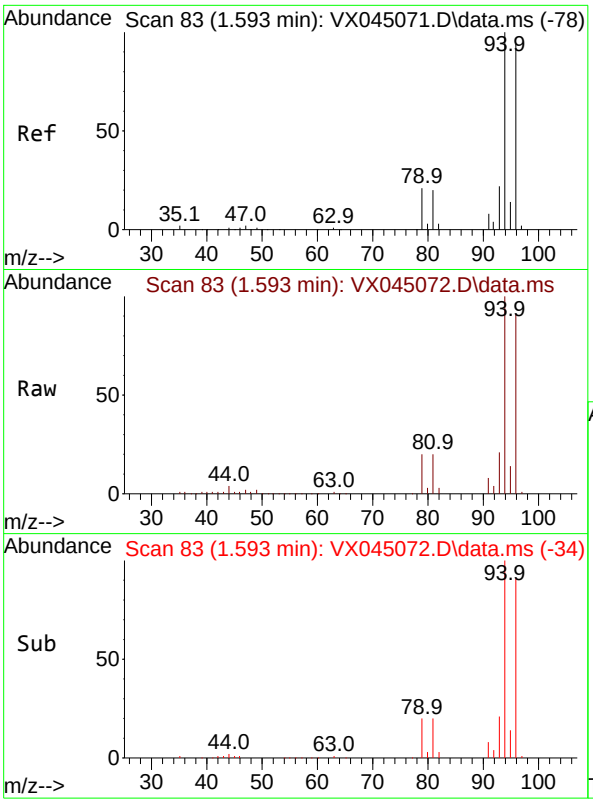


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



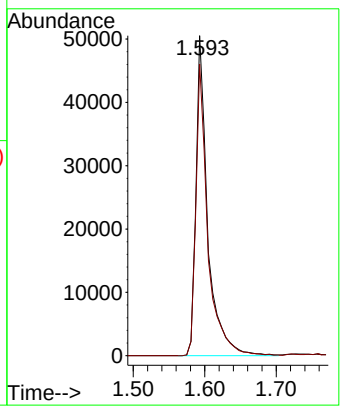


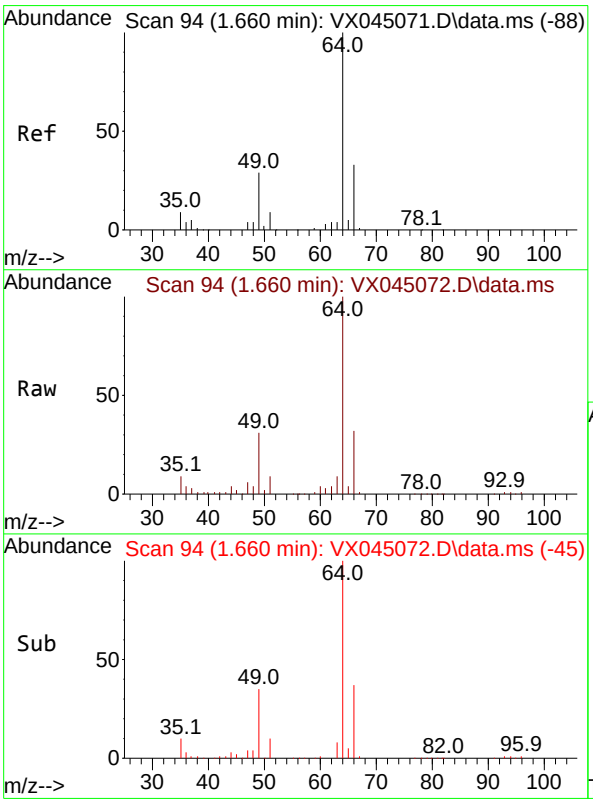
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

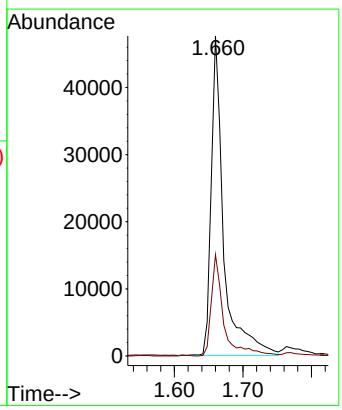


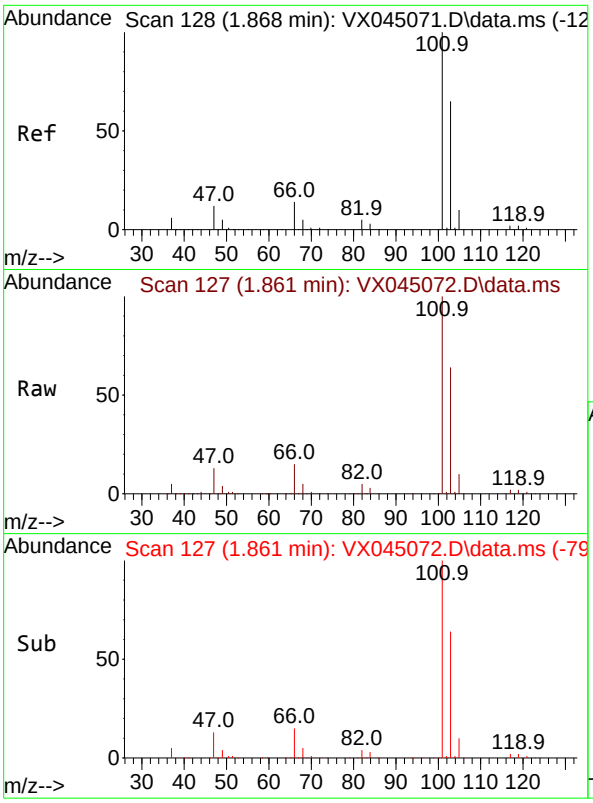


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



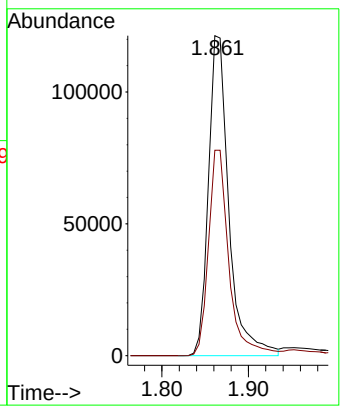


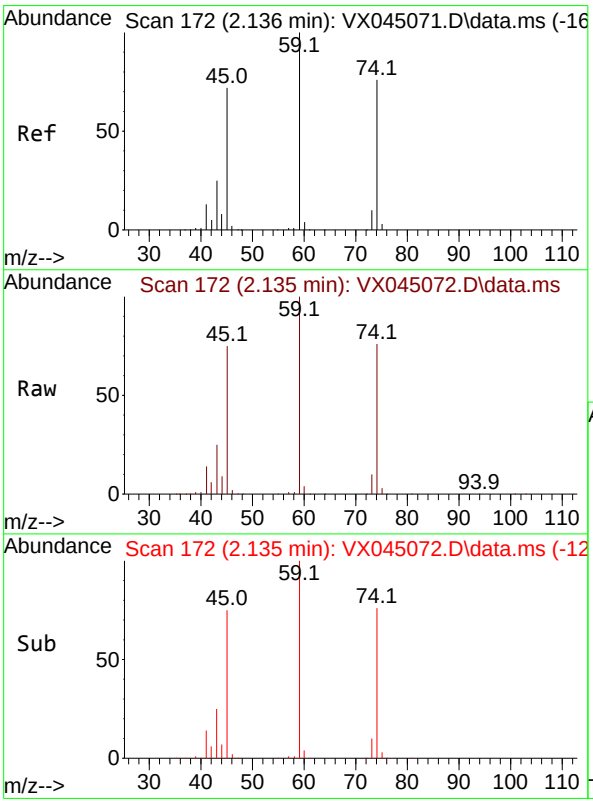
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

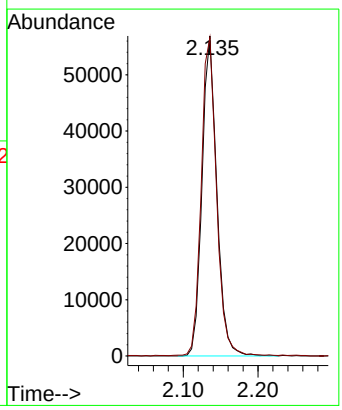


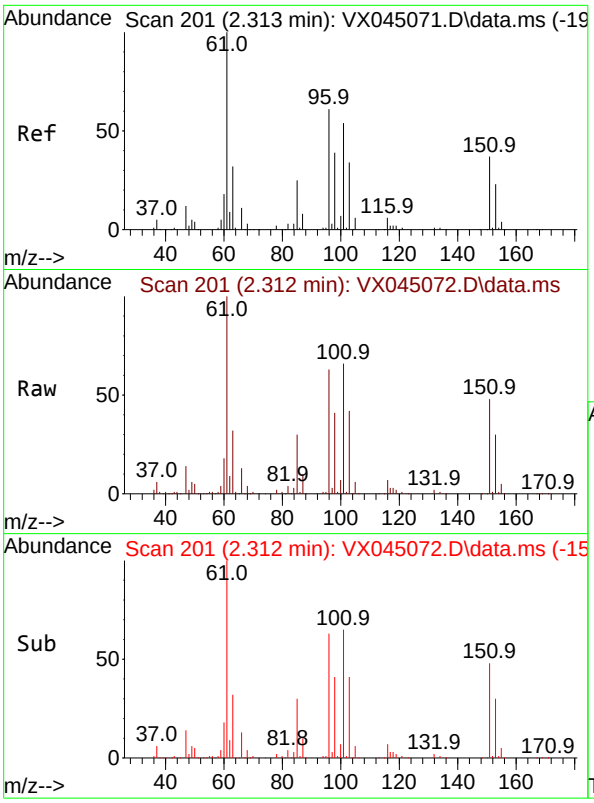


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



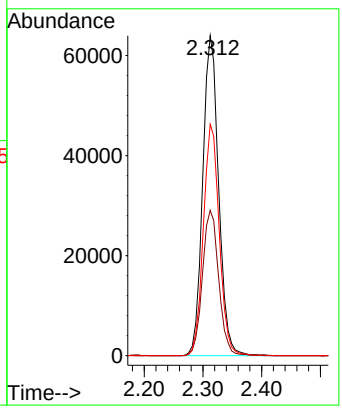


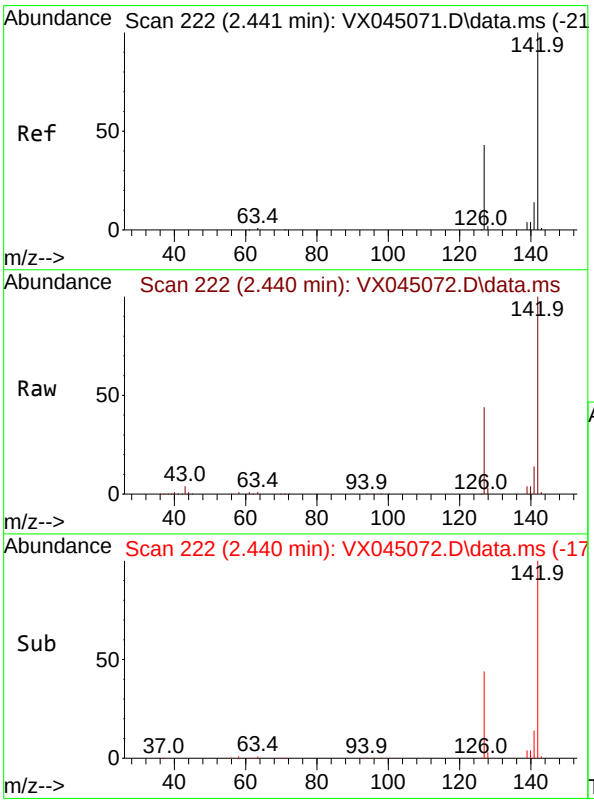
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 120518

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

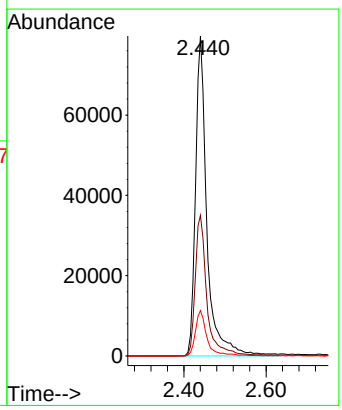


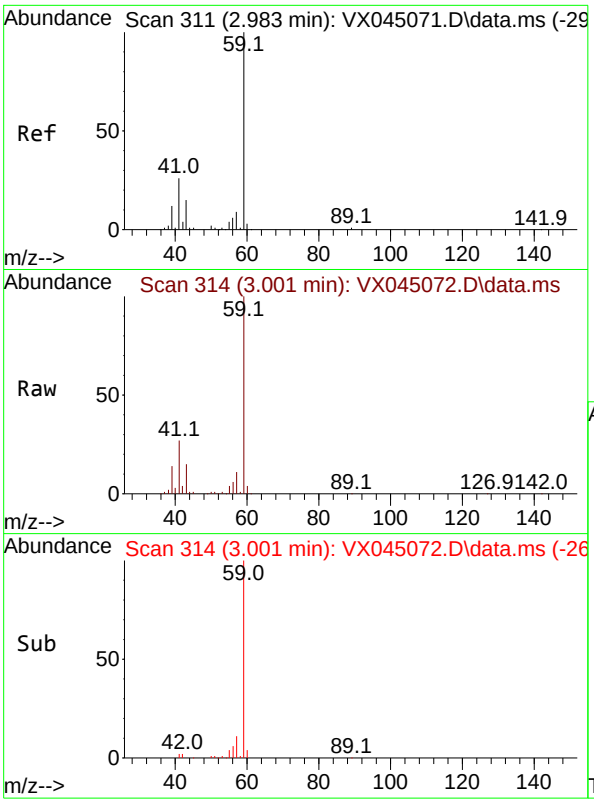


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4



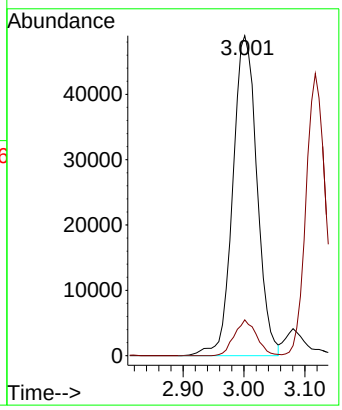


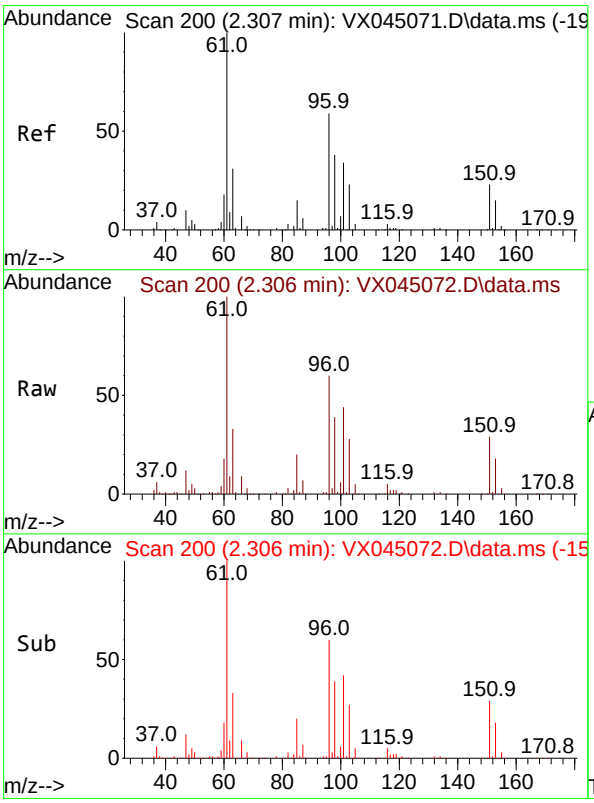
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

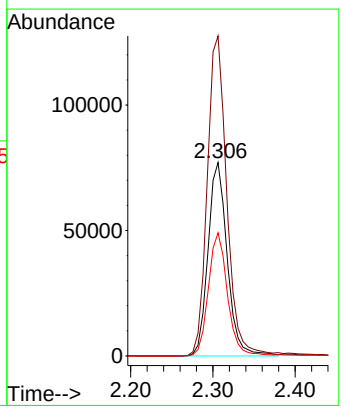


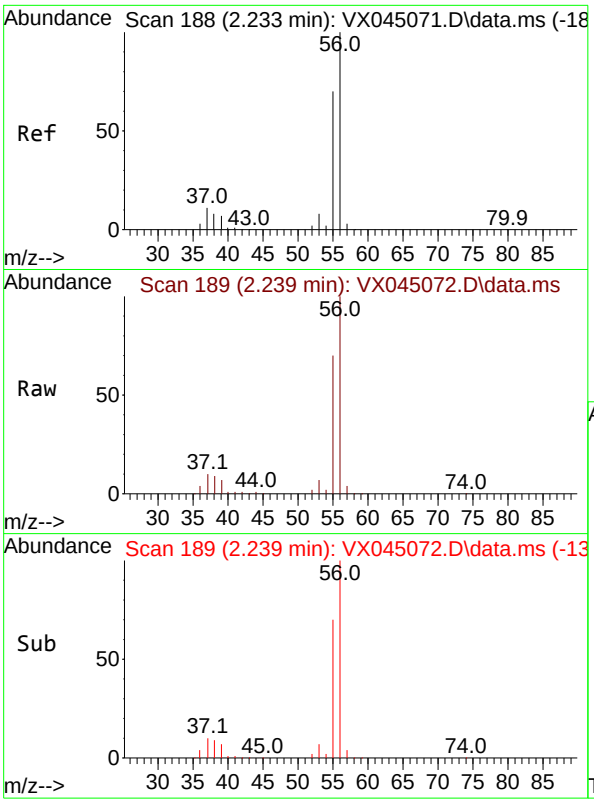


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6



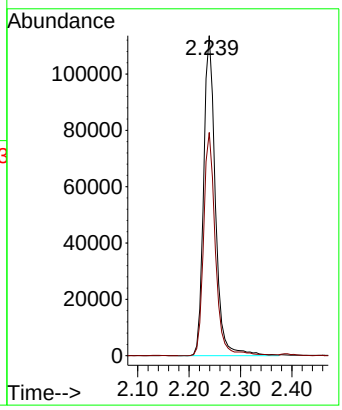


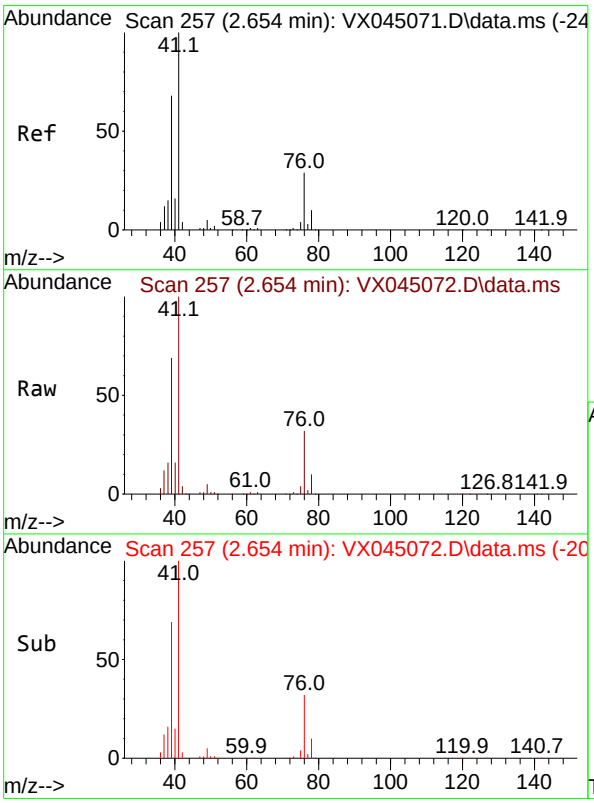
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

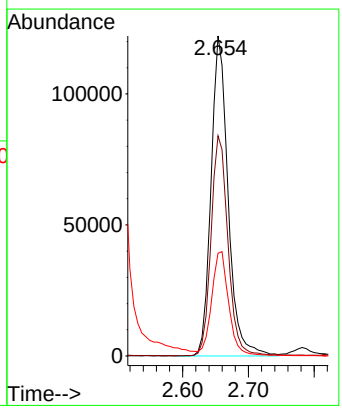


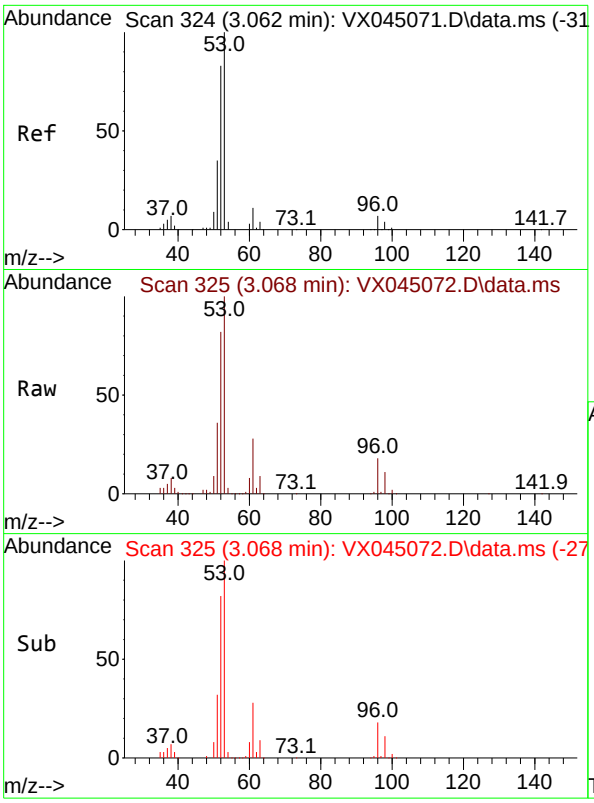


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8



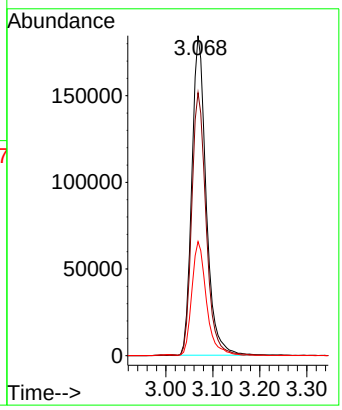


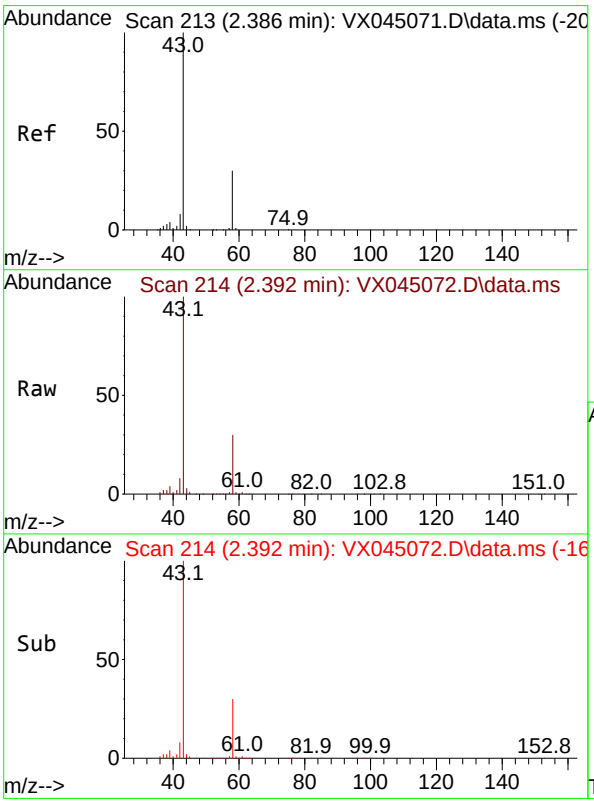
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 391946

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4

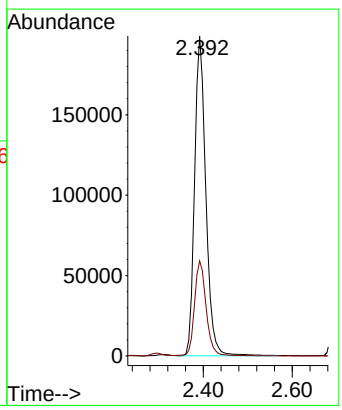


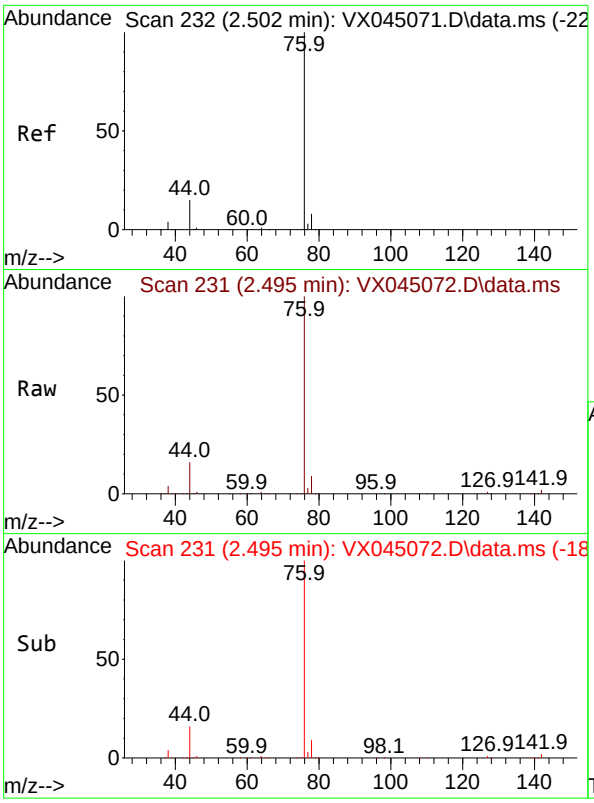


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



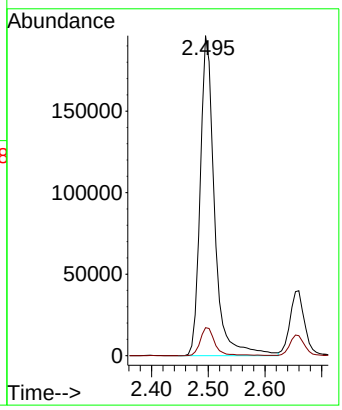


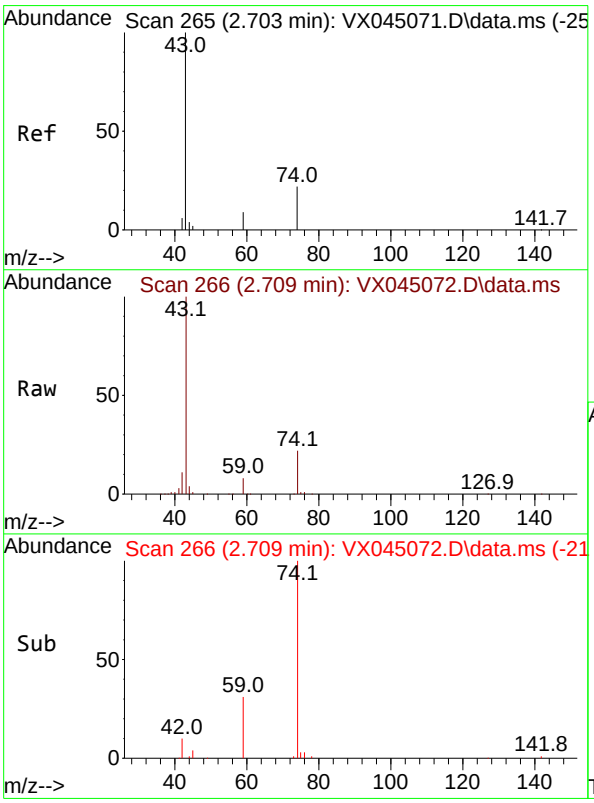
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

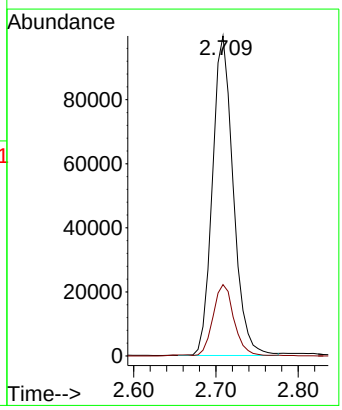


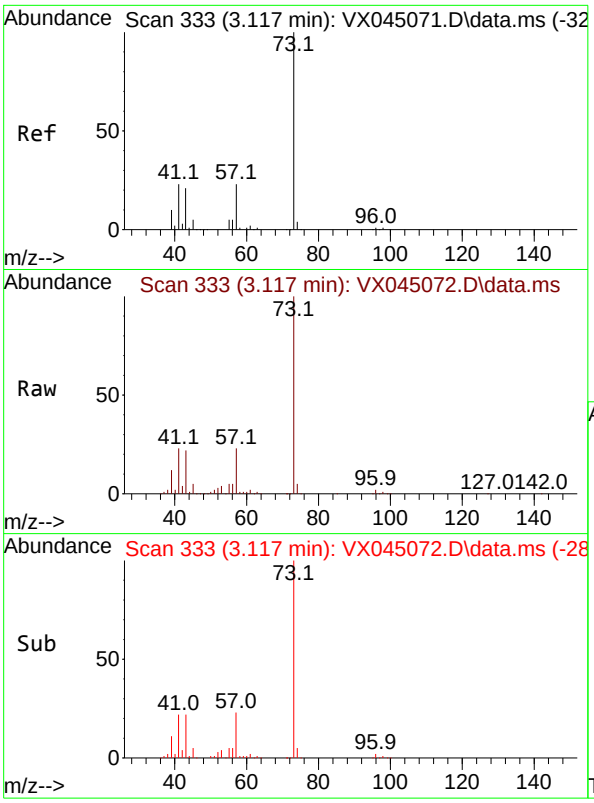


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



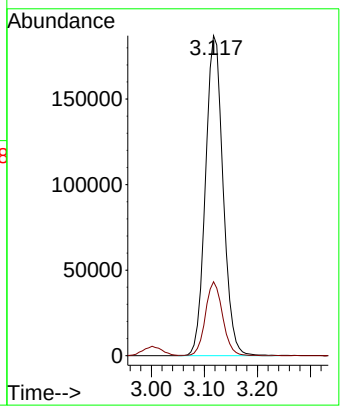


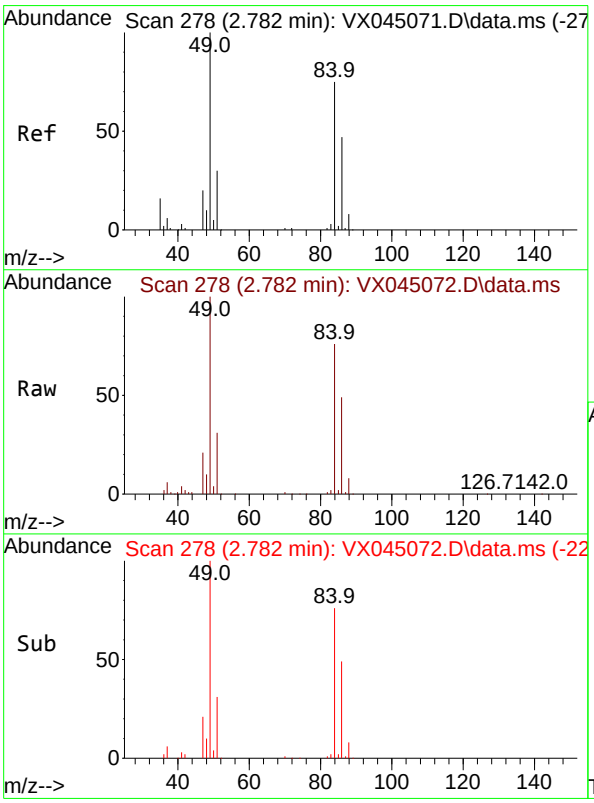
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

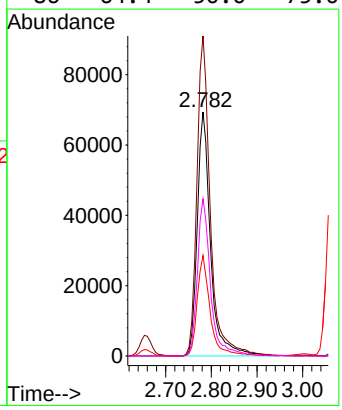


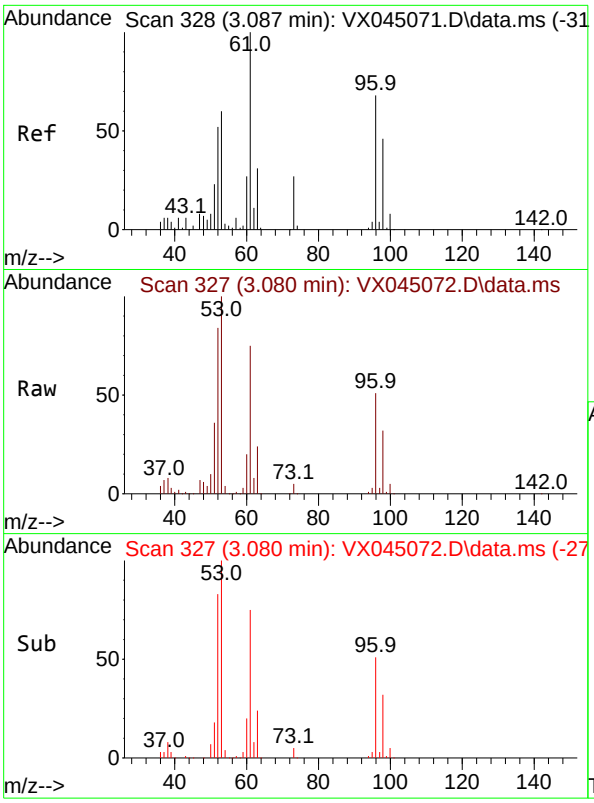


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0



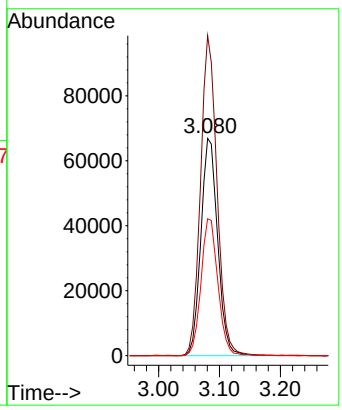


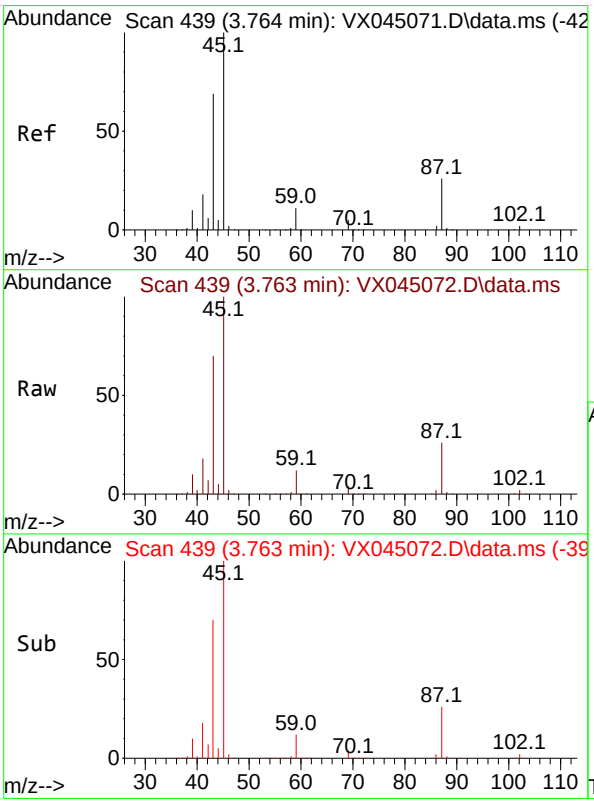
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 128232

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

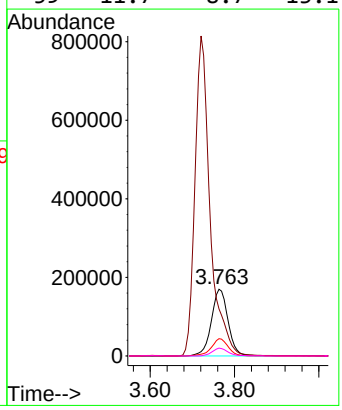


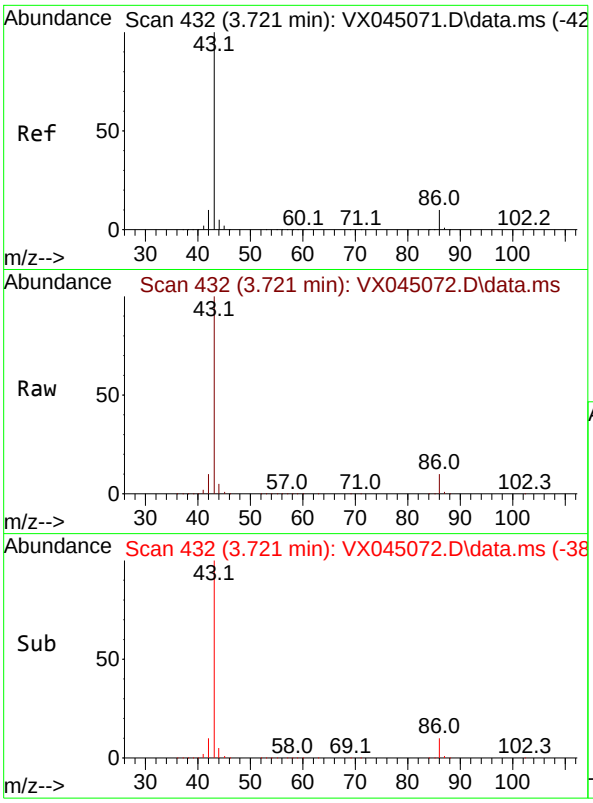


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1



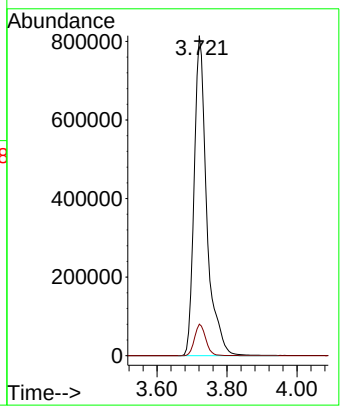


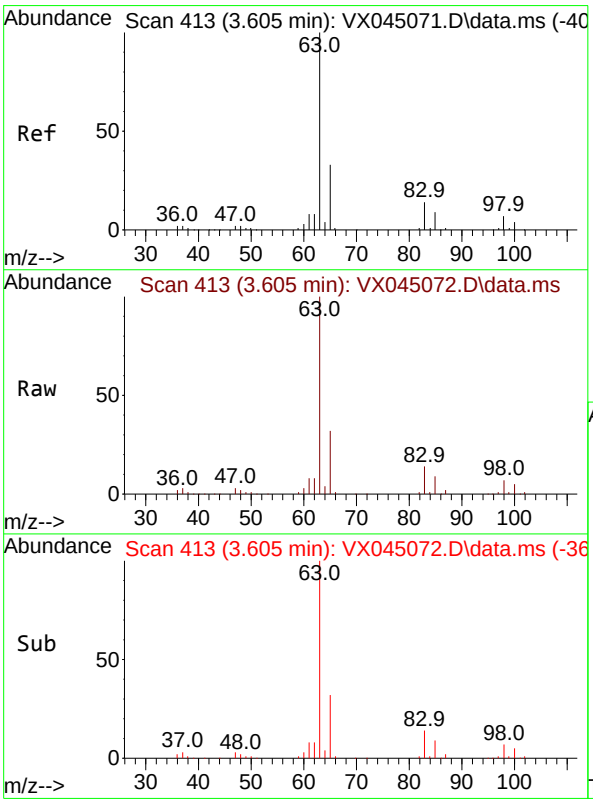
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

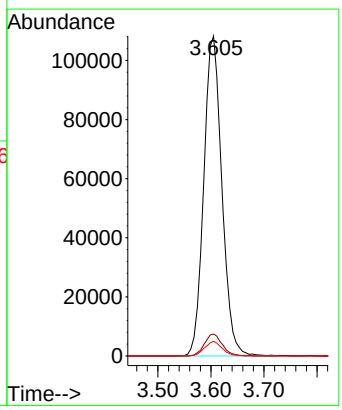


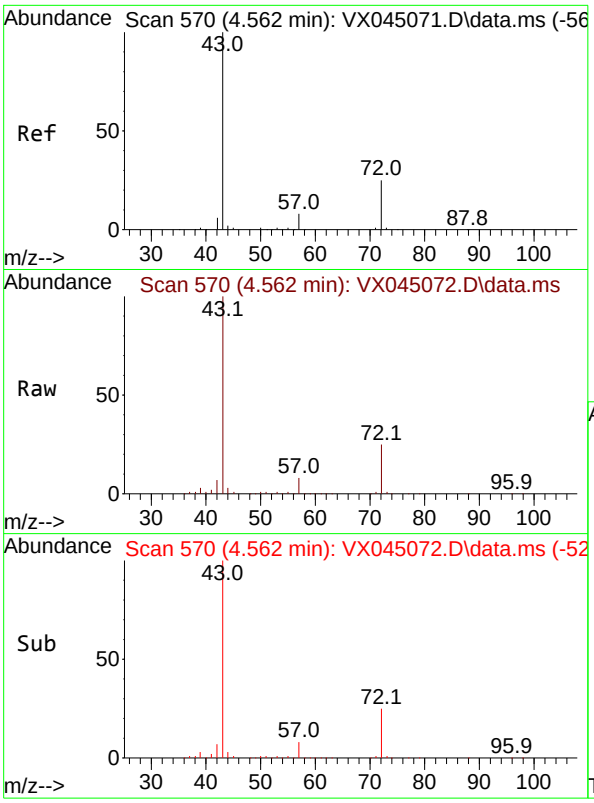


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



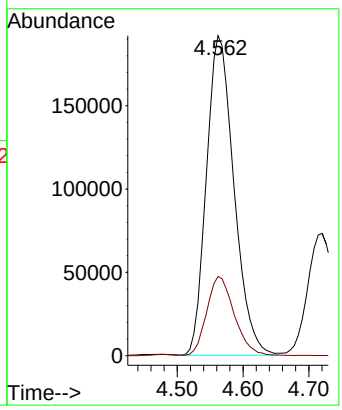


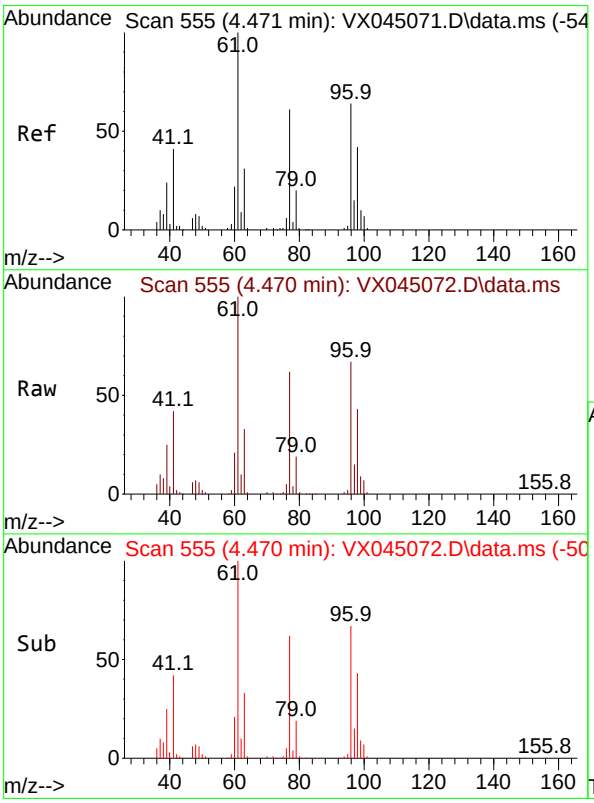
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

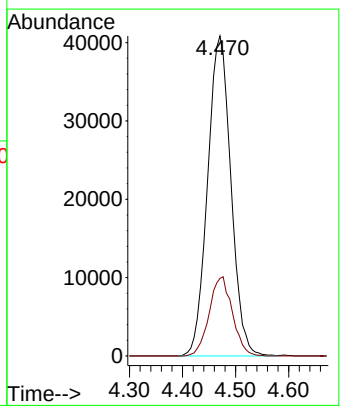


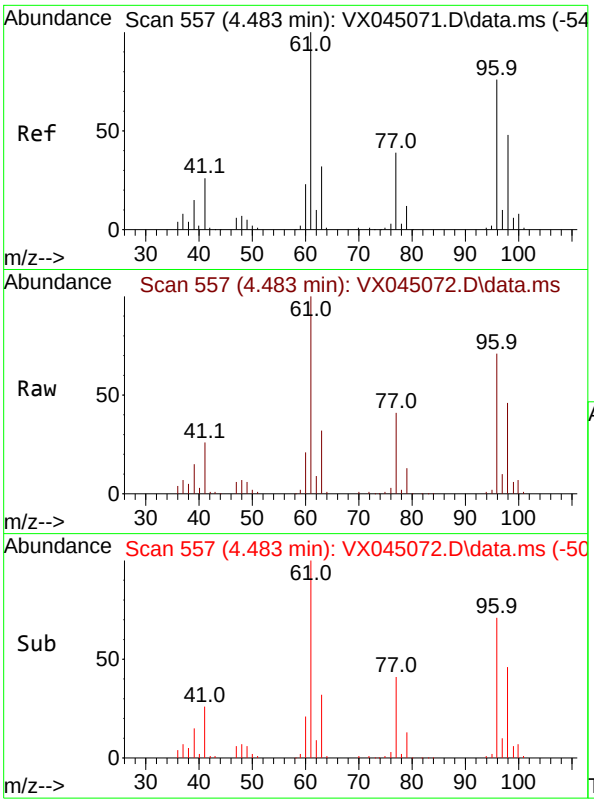


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



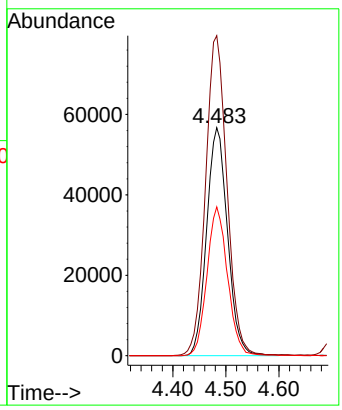


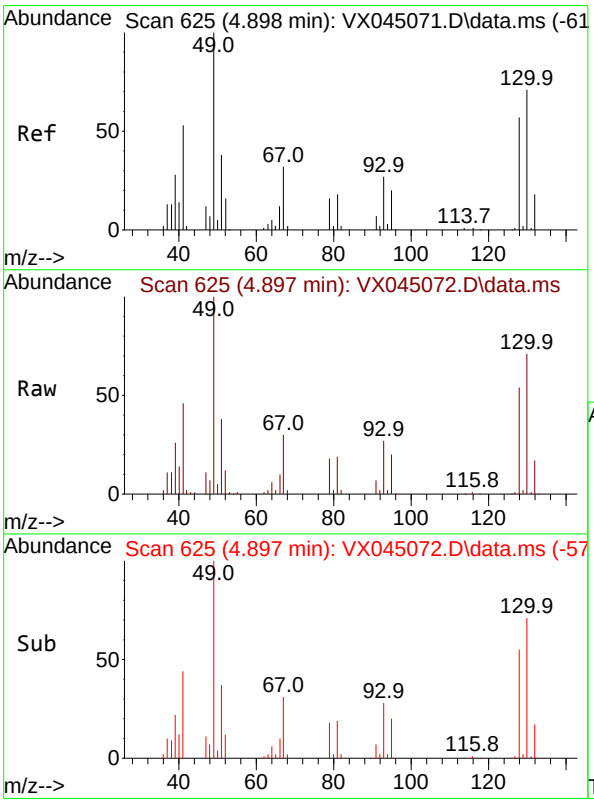
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 155193

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

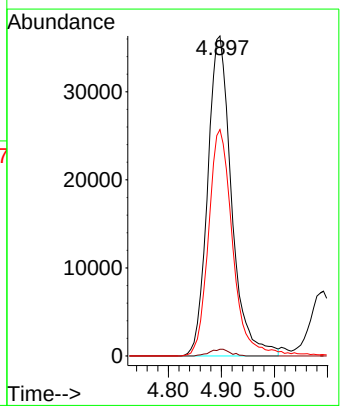


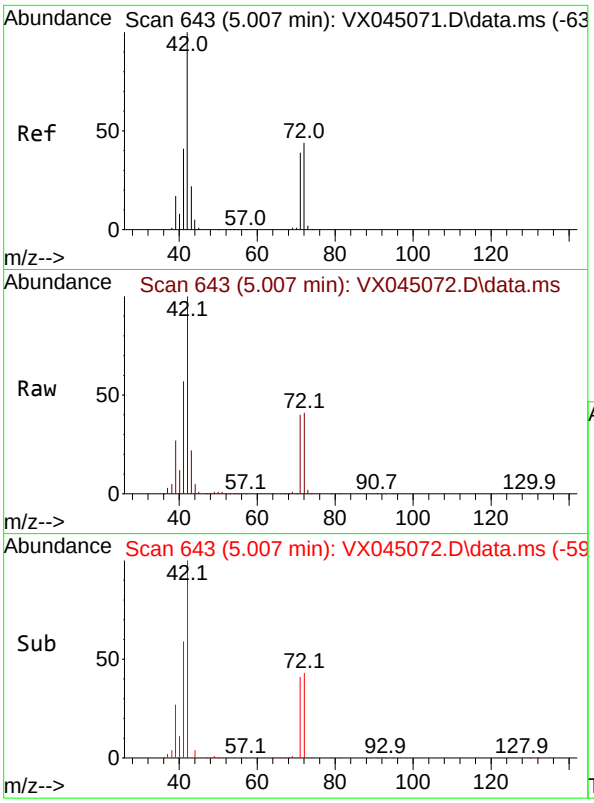


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1



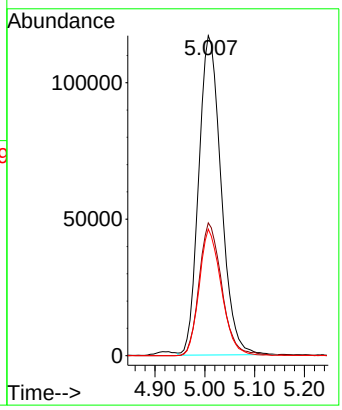


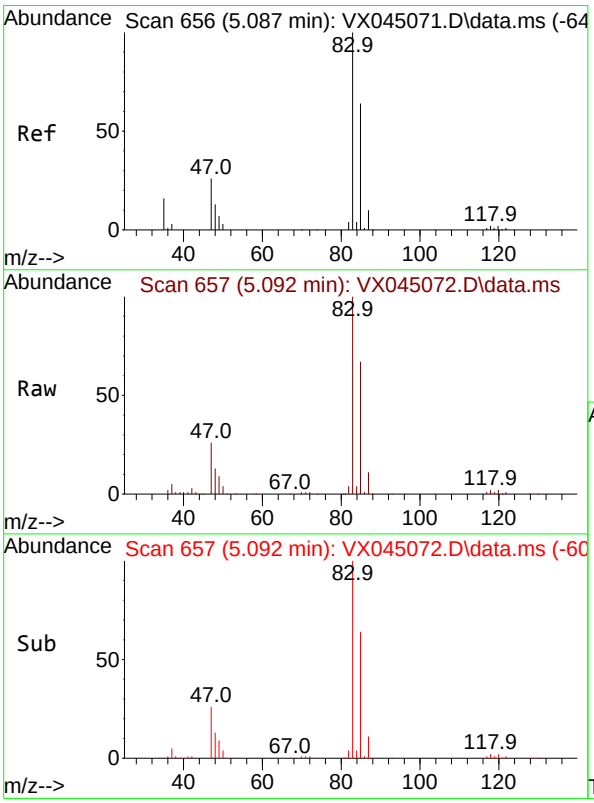
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 365565

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

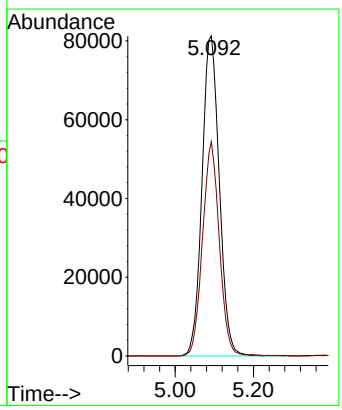


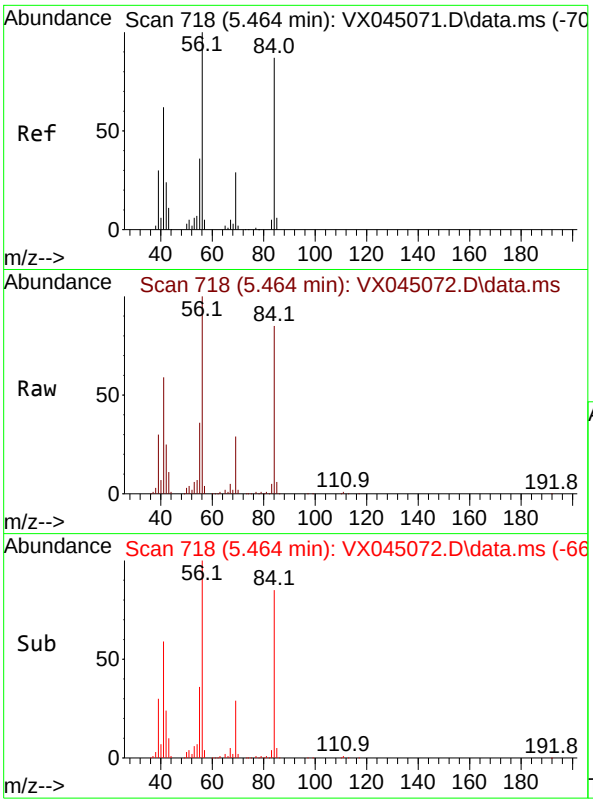


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



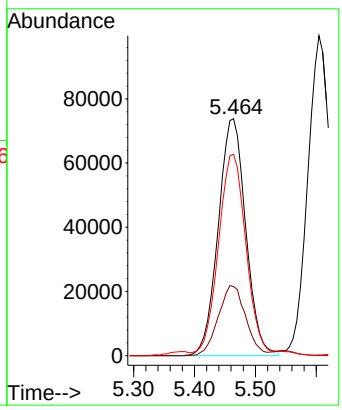


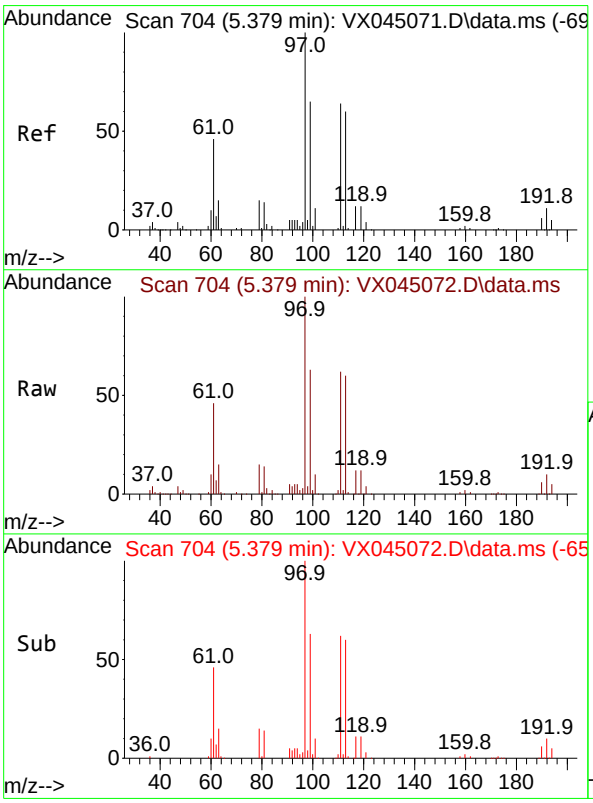
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 231082

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

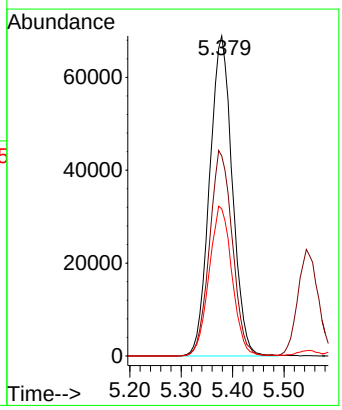


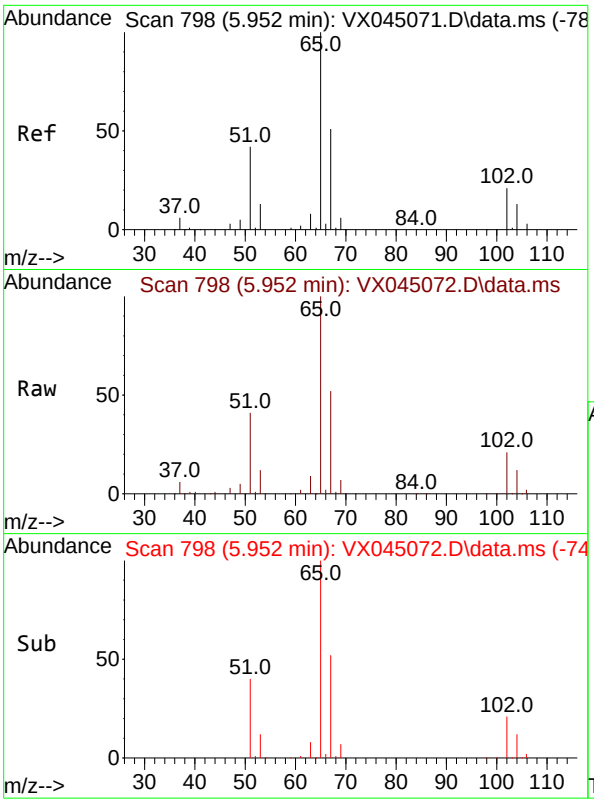


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6



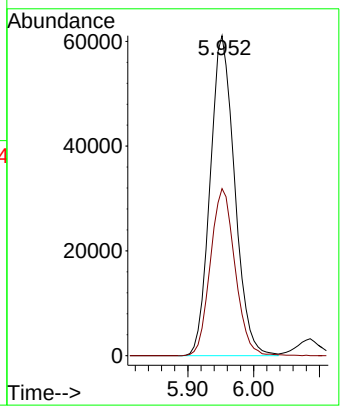


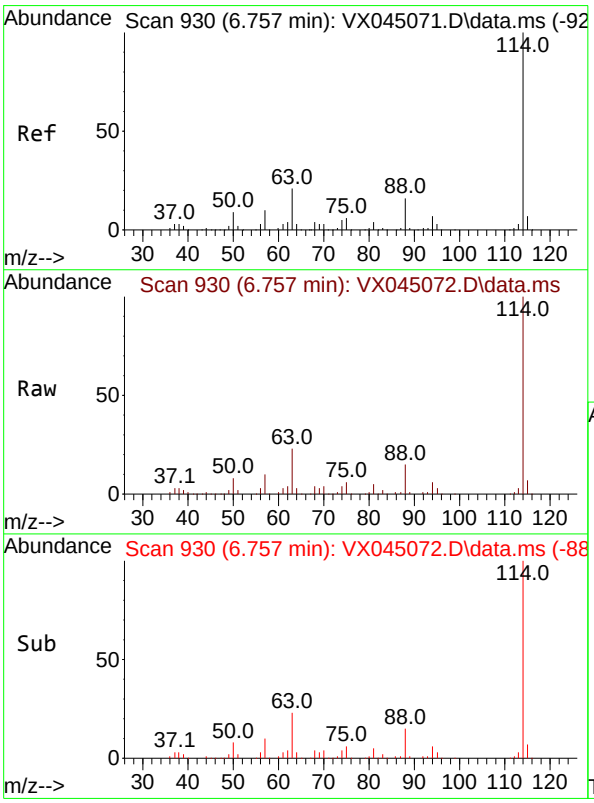
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

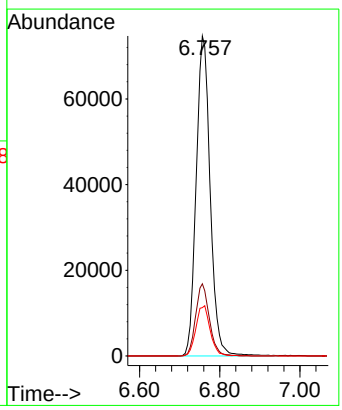


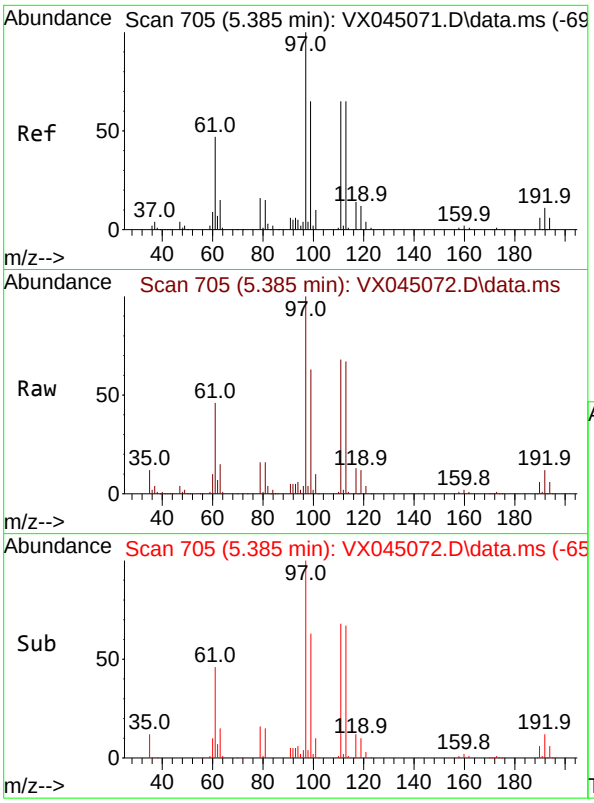


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8



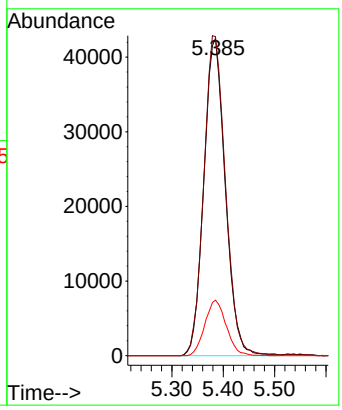


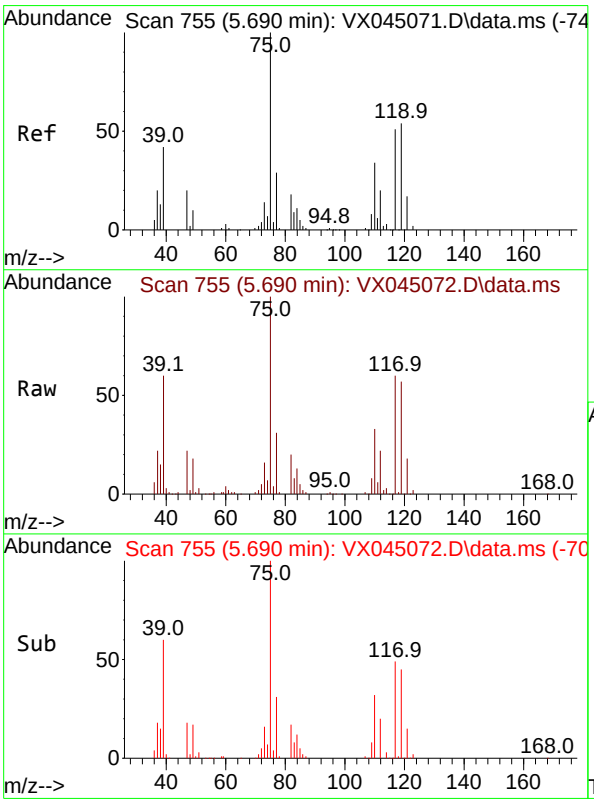
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 123185

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5

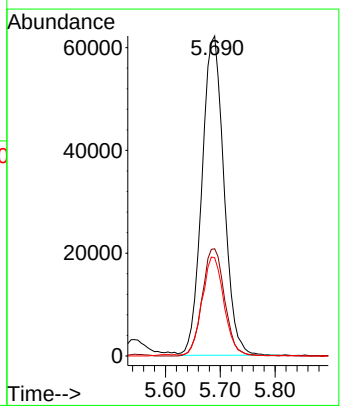


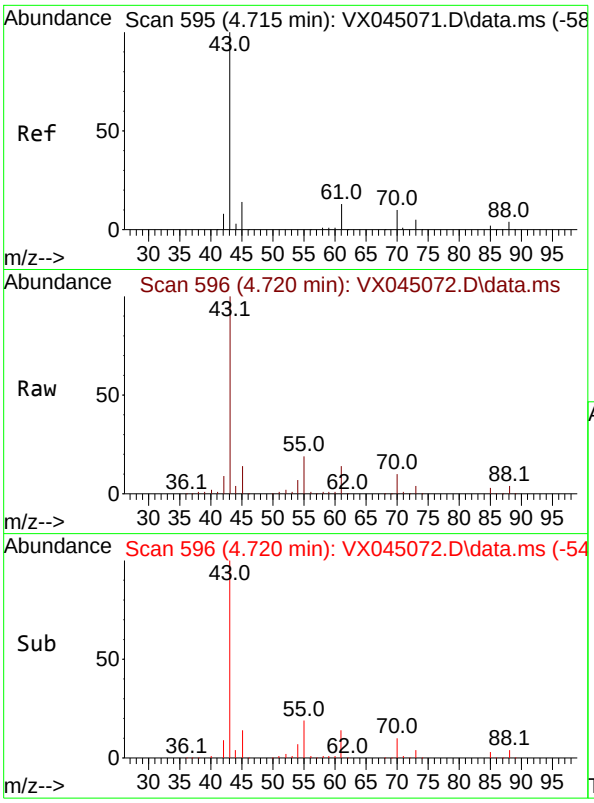


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7



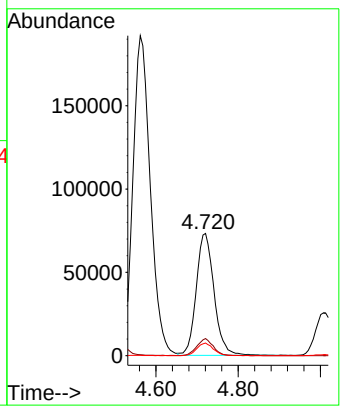


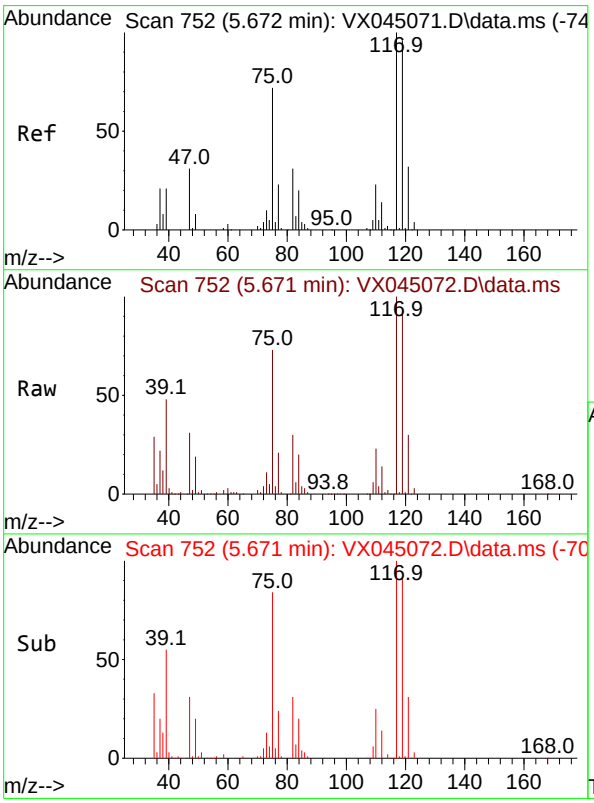
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 220327

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

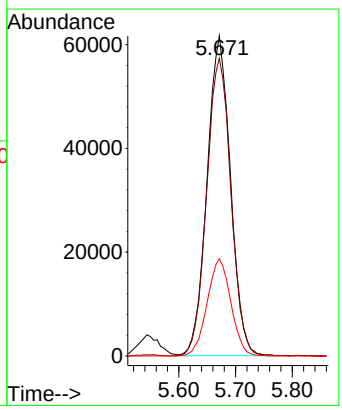


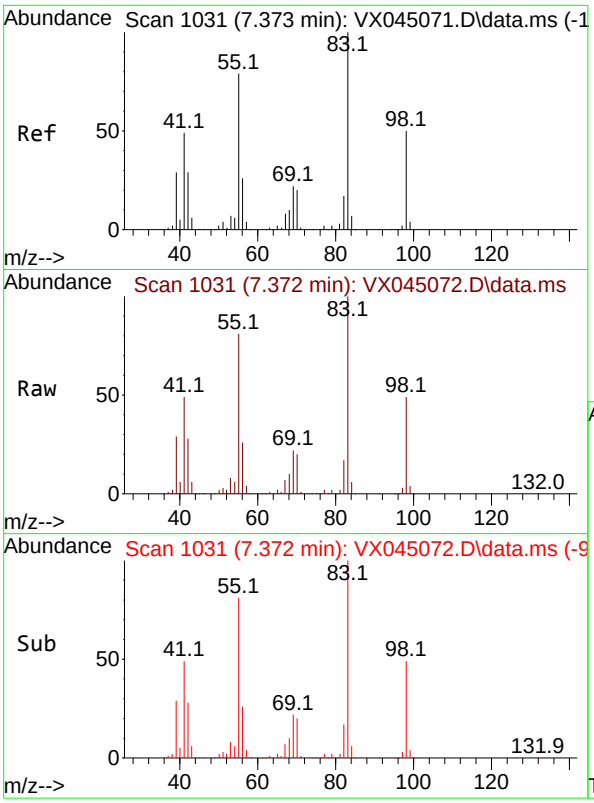


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3



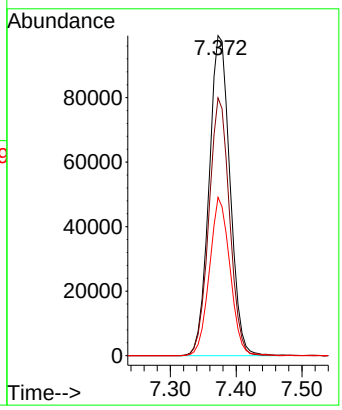


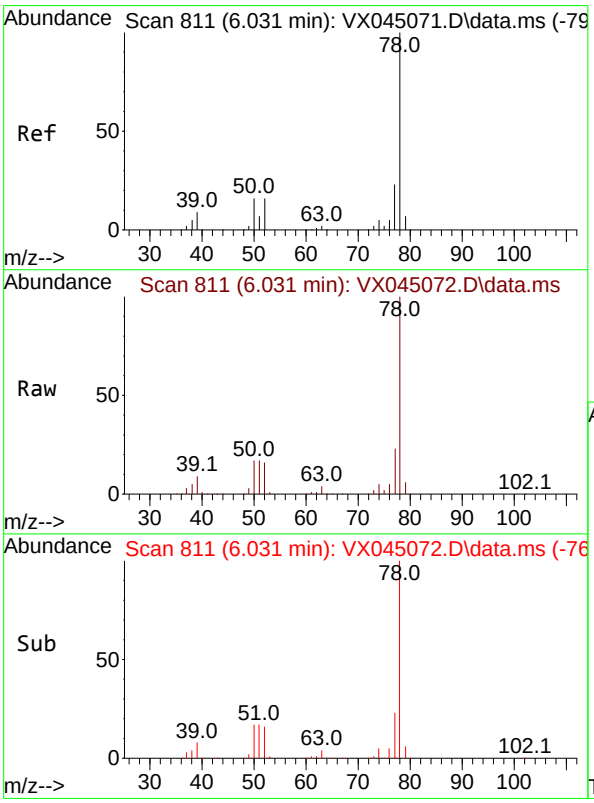
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 219856

Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

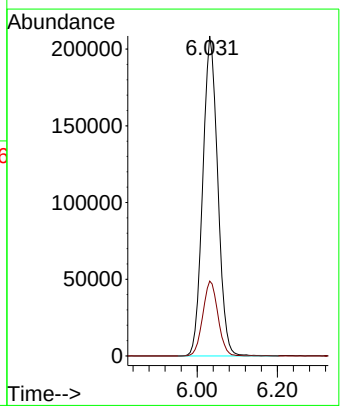


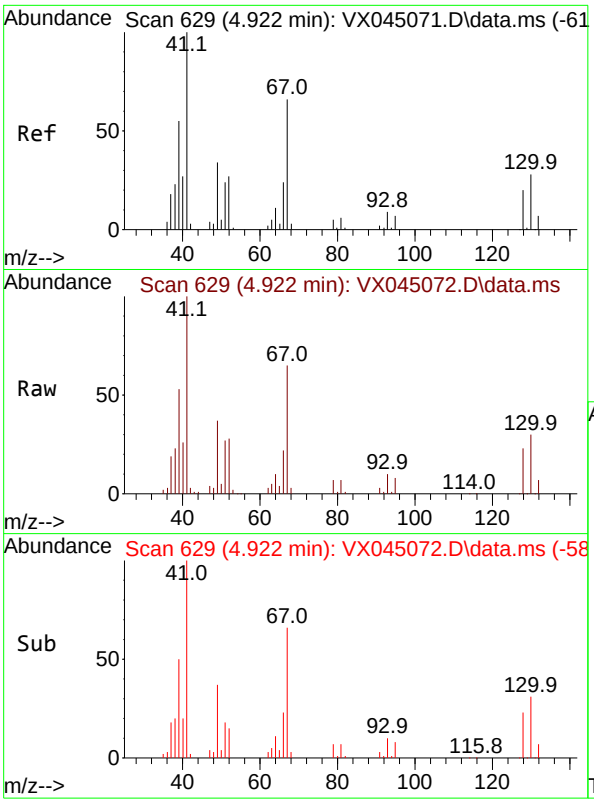


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



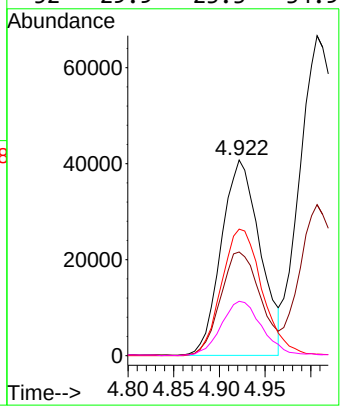


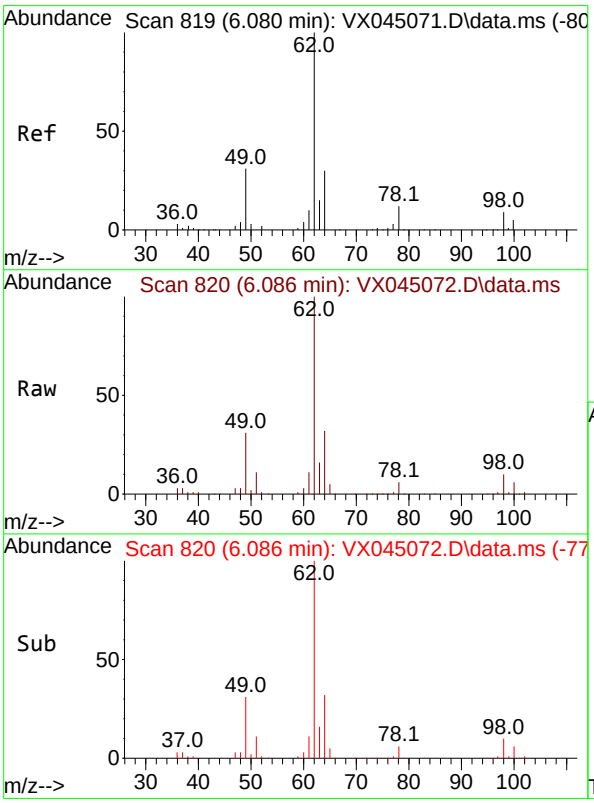
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 120186

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9

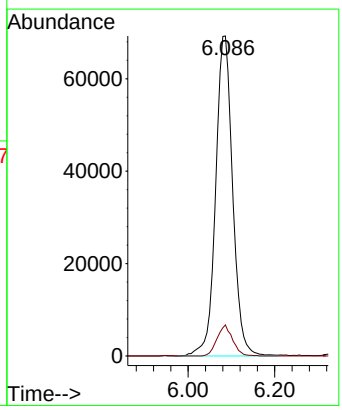


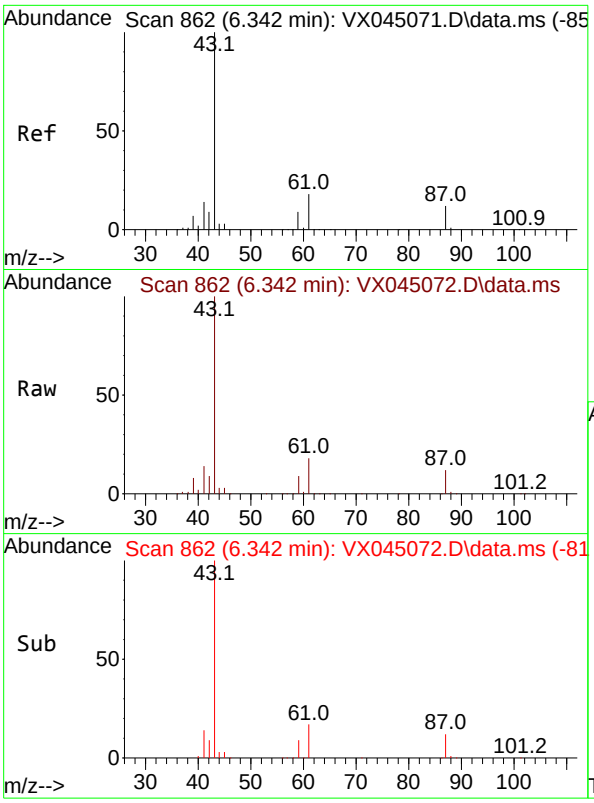


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



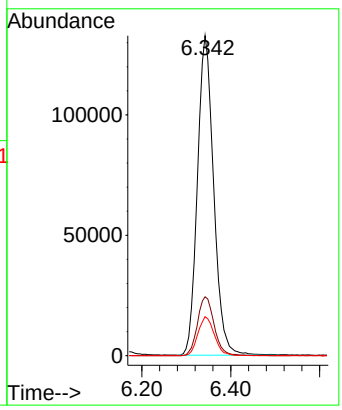


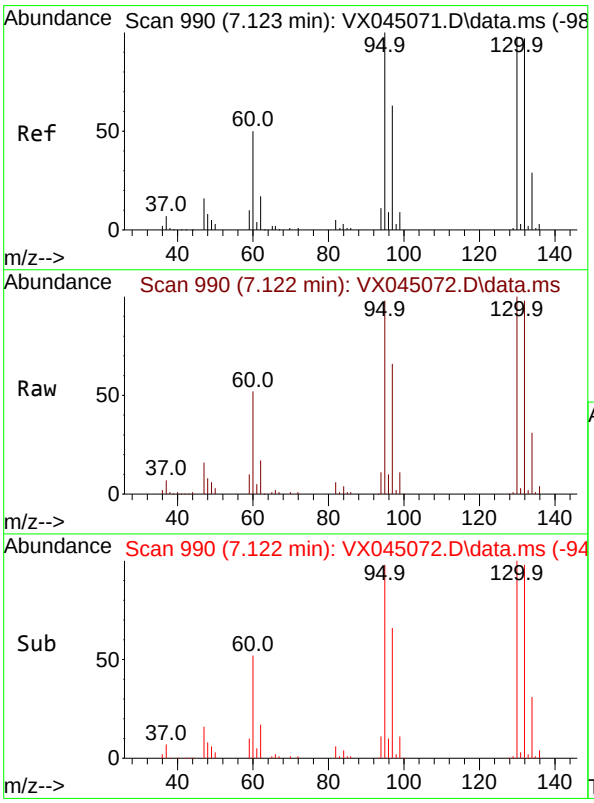
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 338414

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

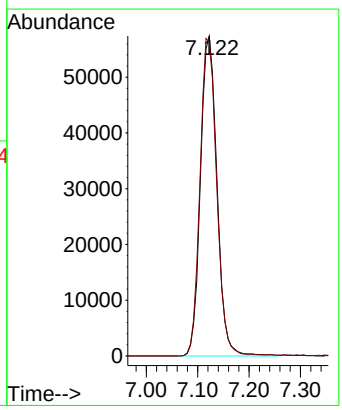


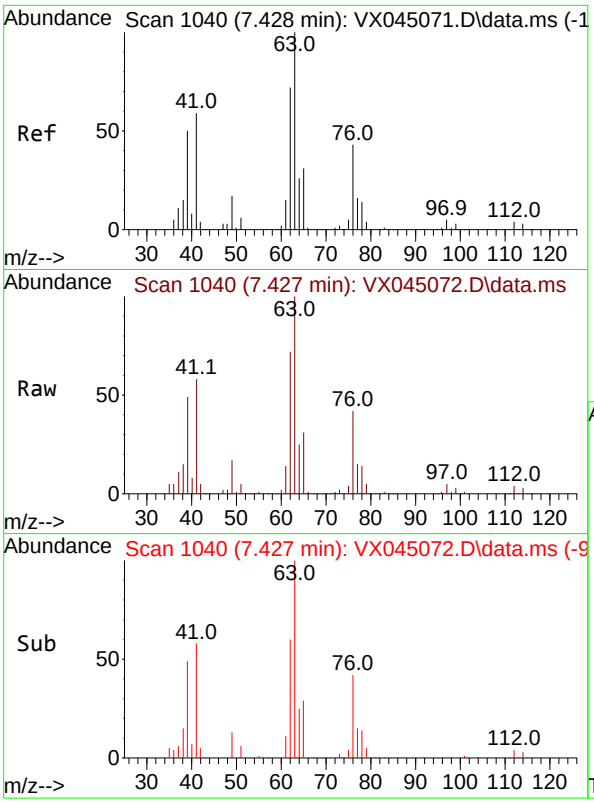


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



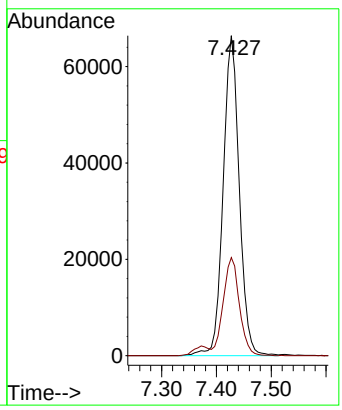


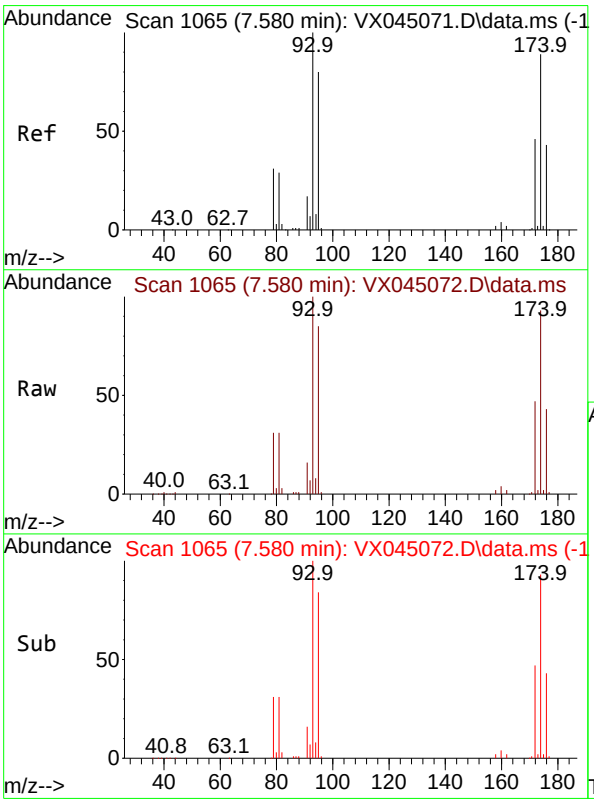
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

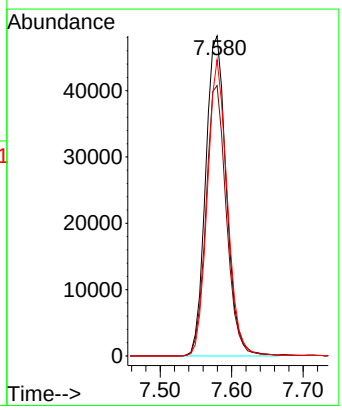


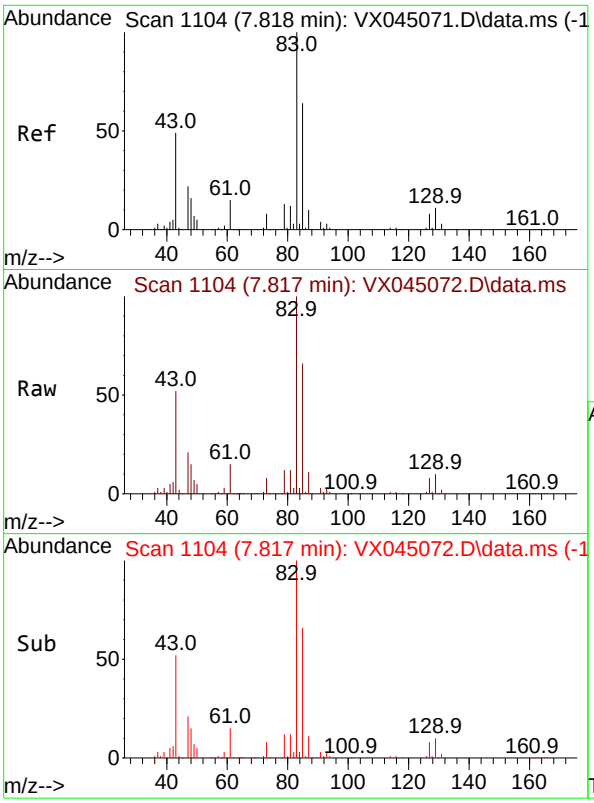


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2



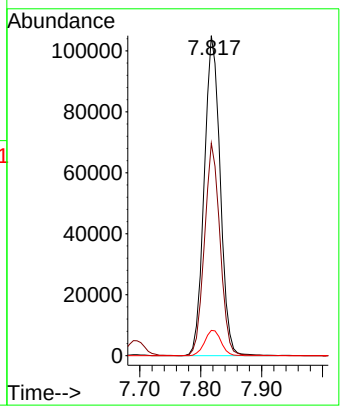


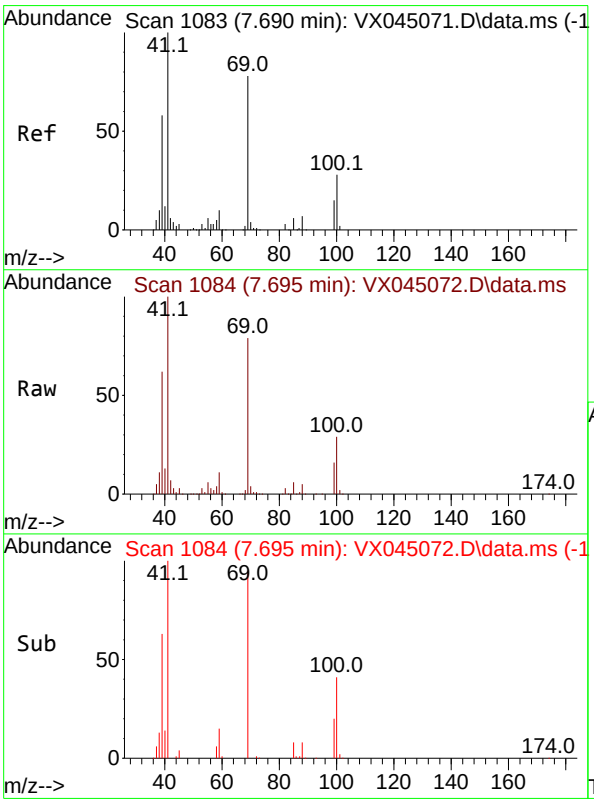
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191016

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6

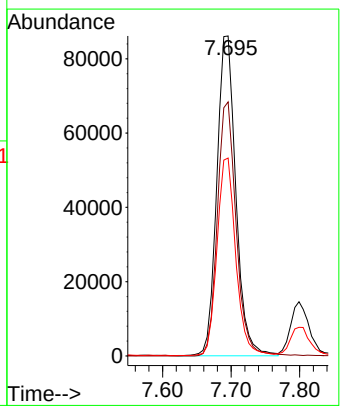


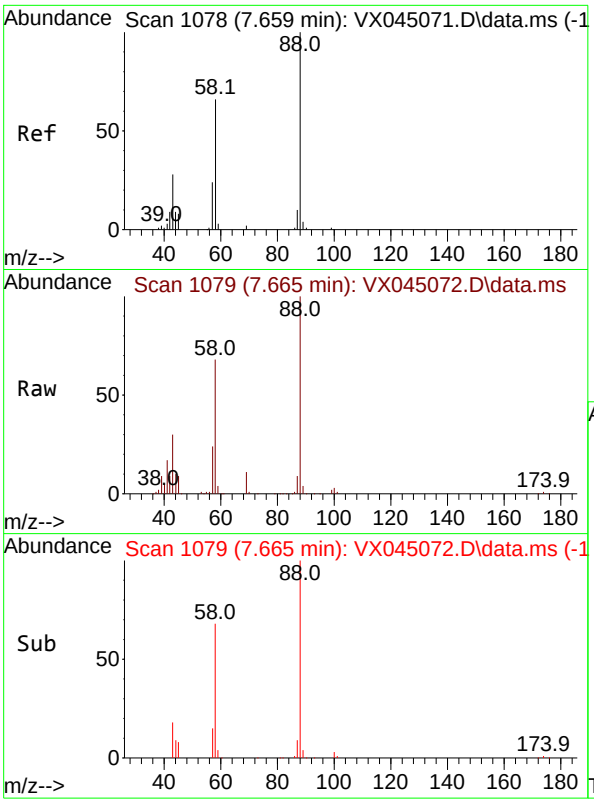


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3



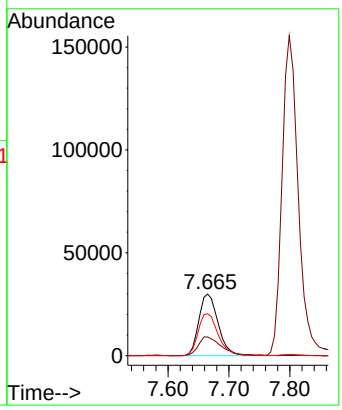


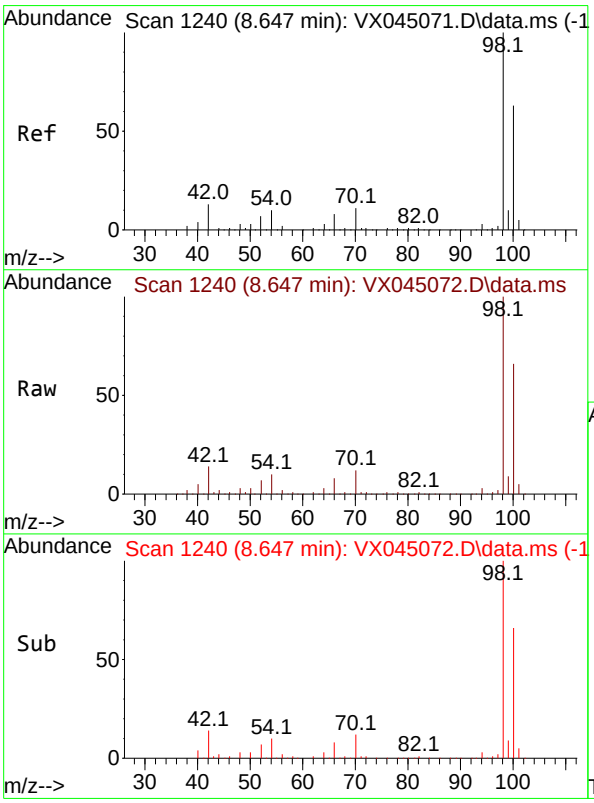
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 66308

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

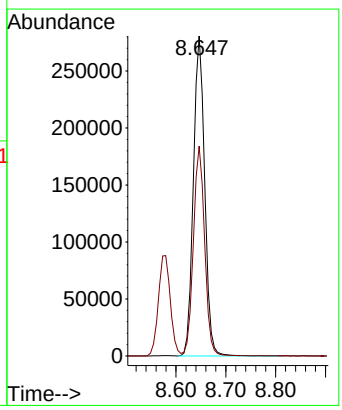


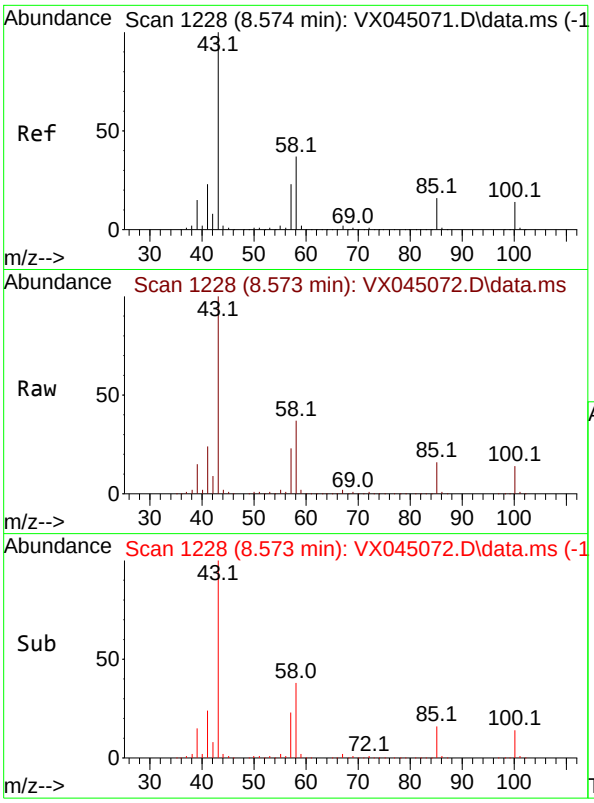


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



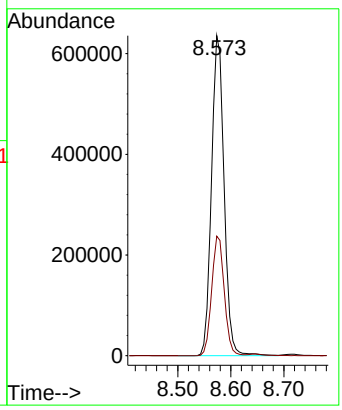


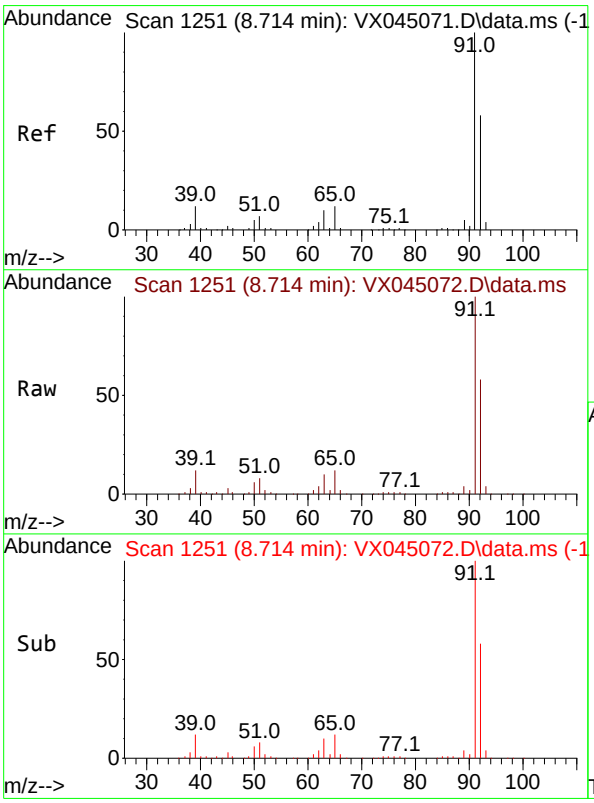
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

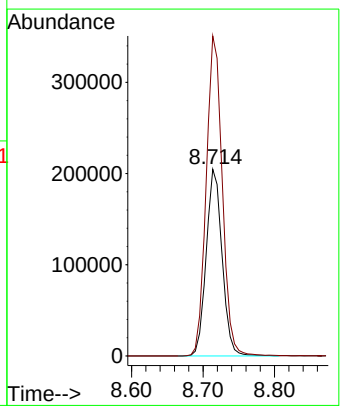


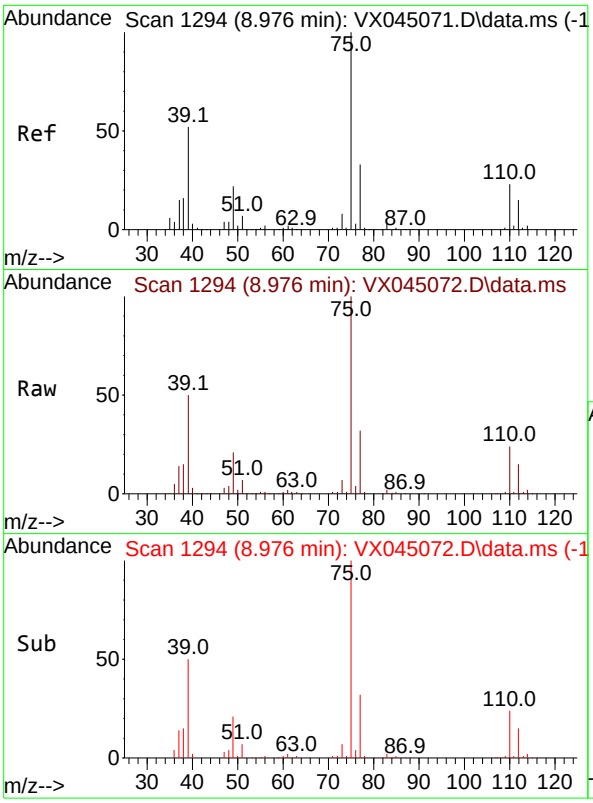


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



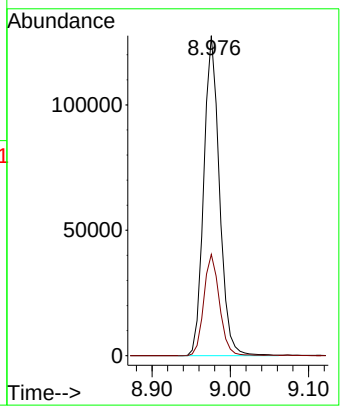


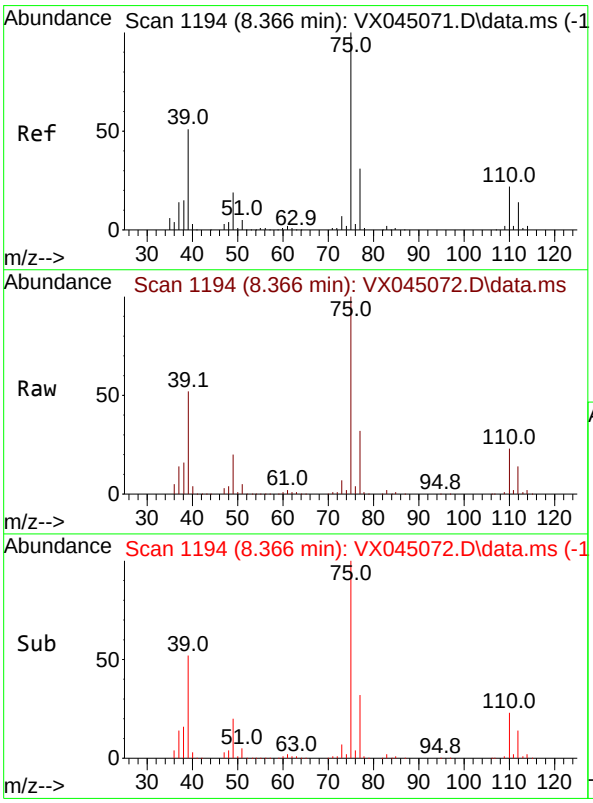
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

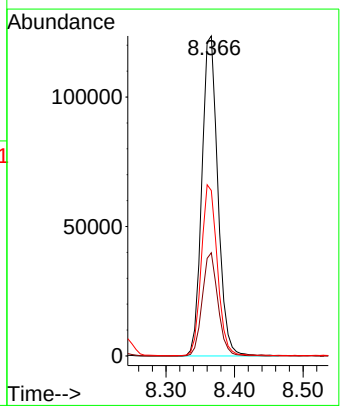


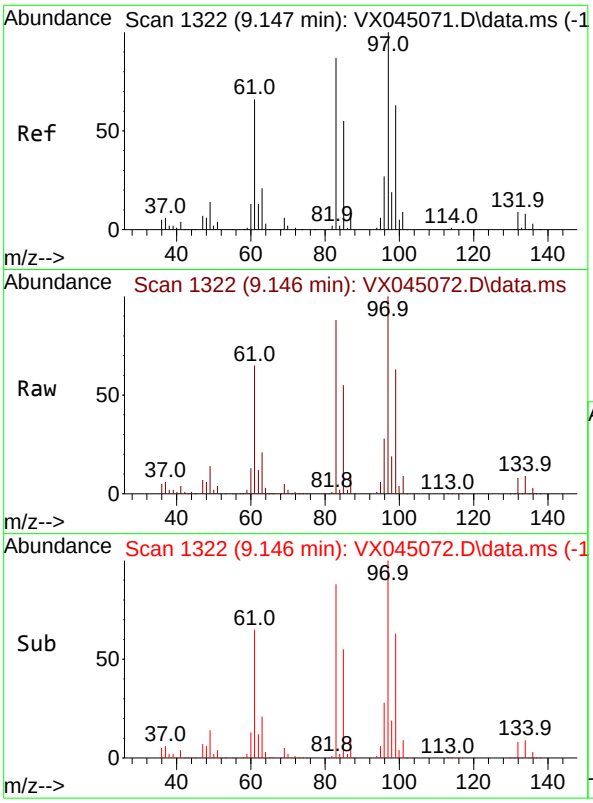


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1



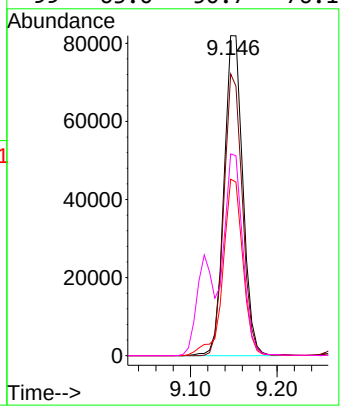


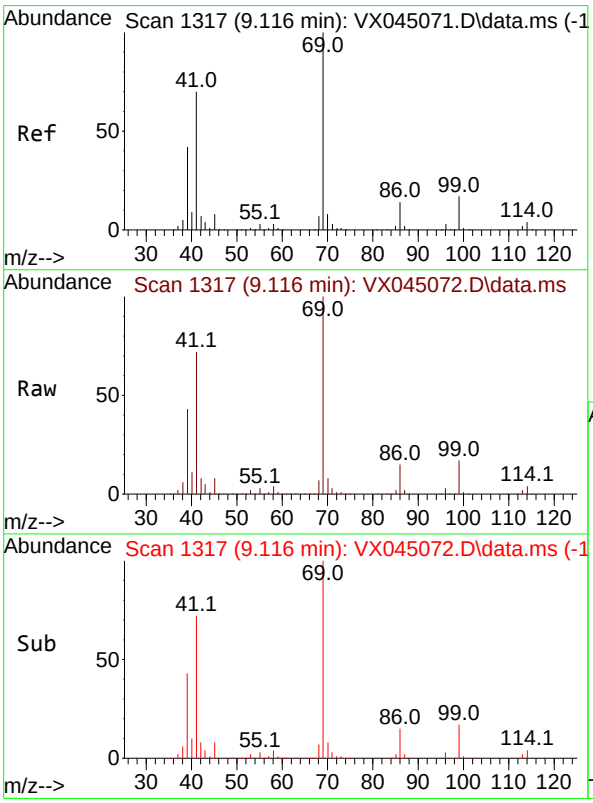
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 123426

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

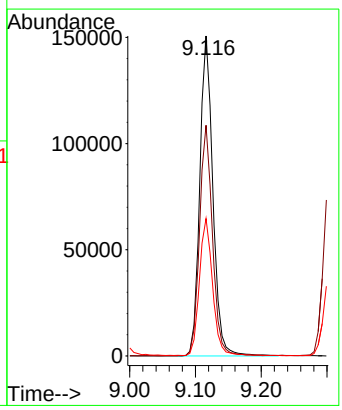


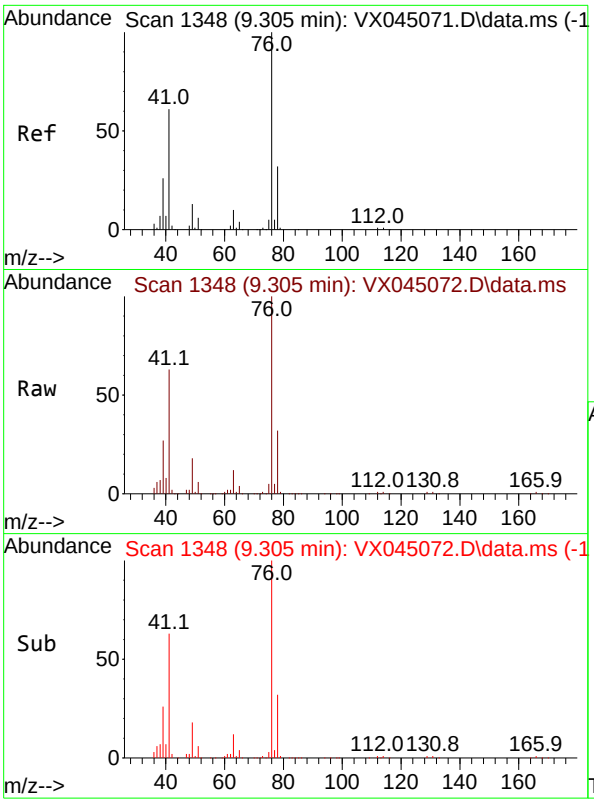


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



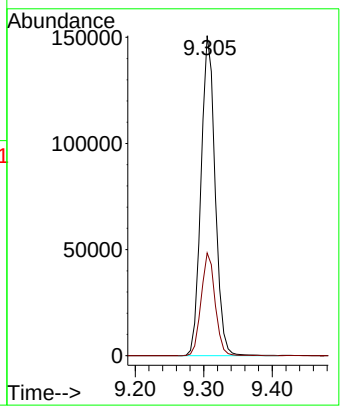


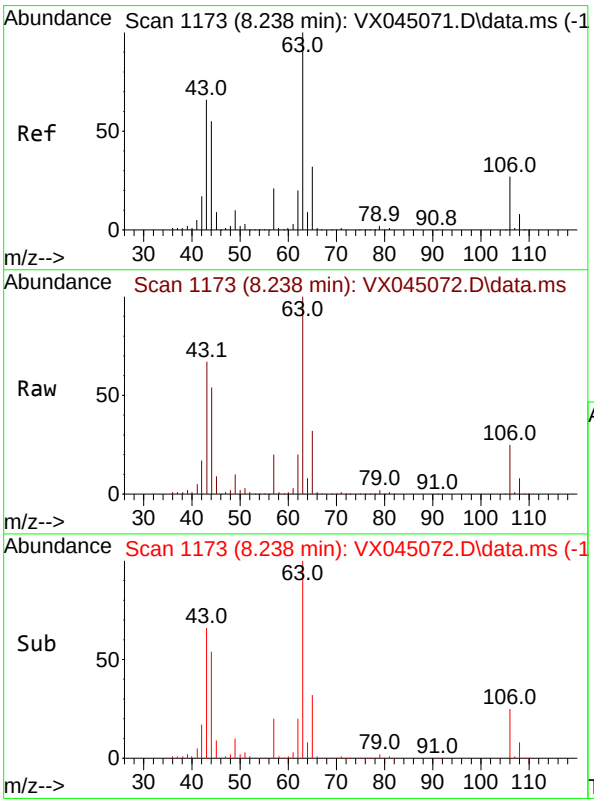
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

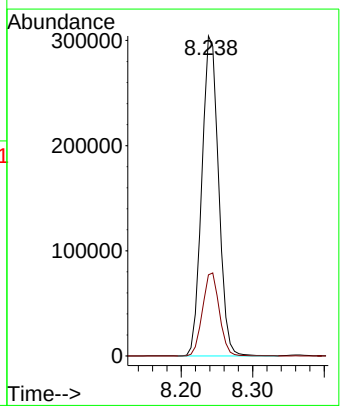


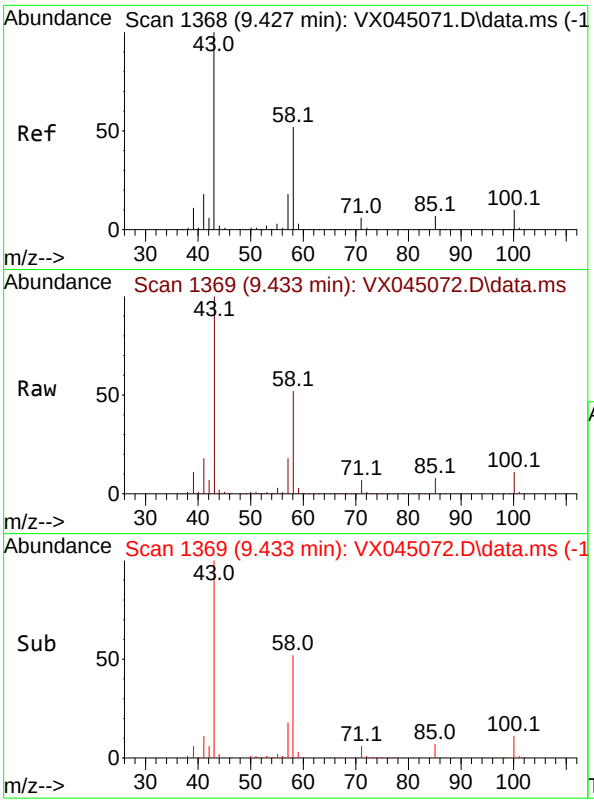


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



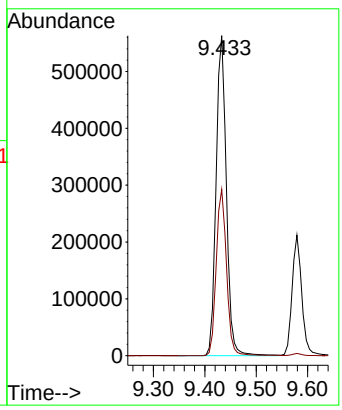


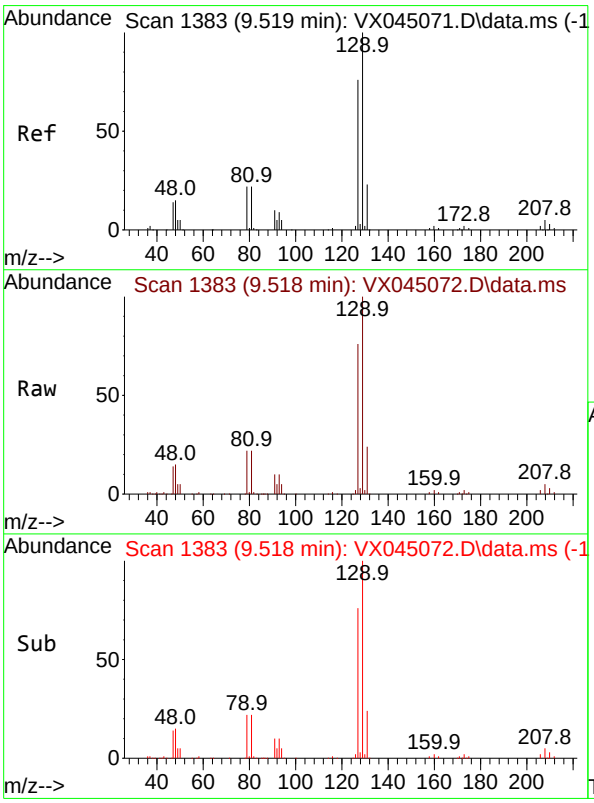
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

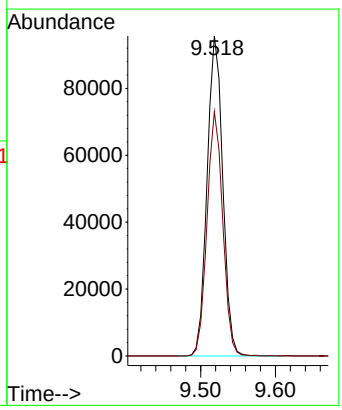


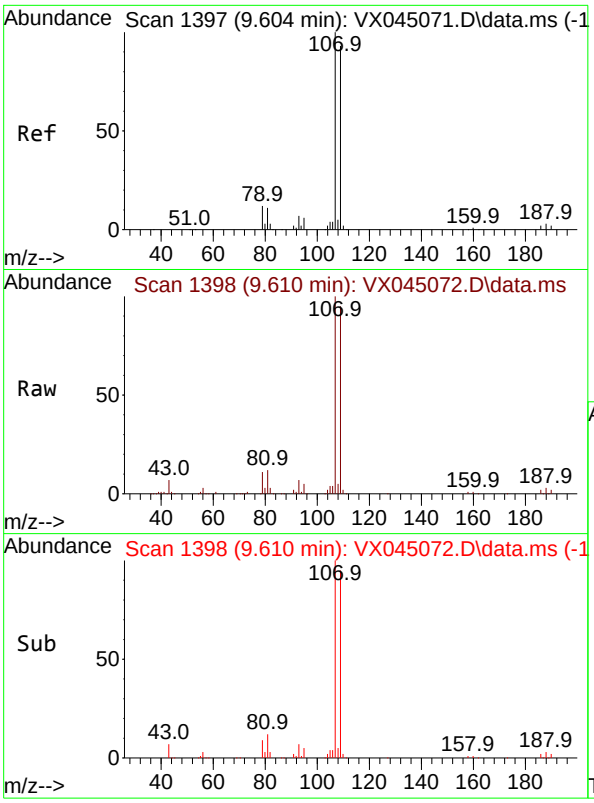


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



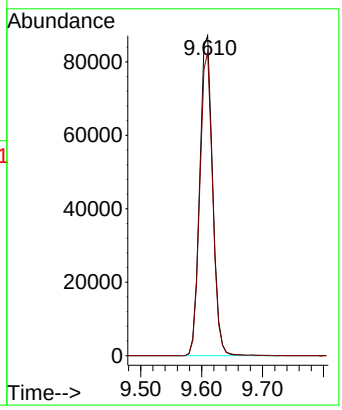


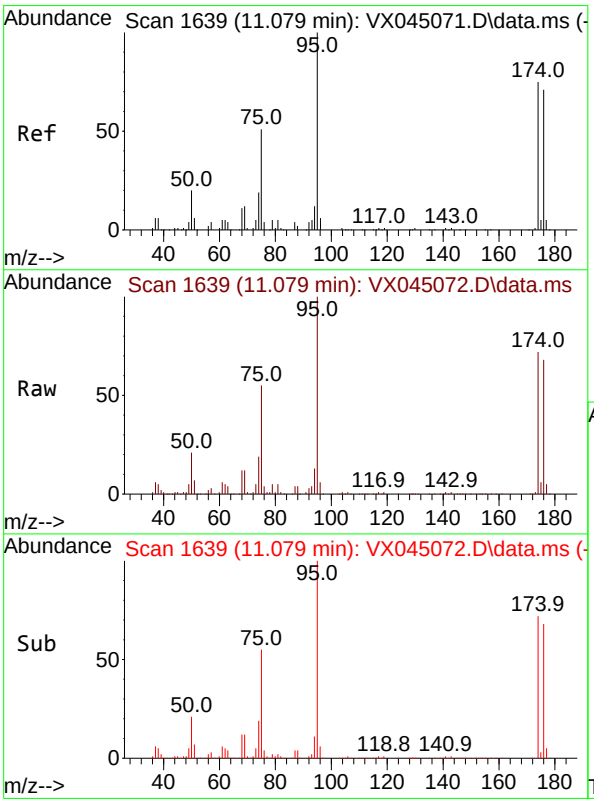
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

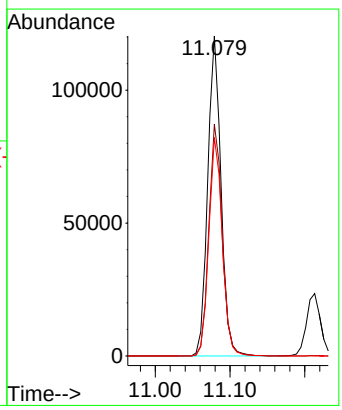


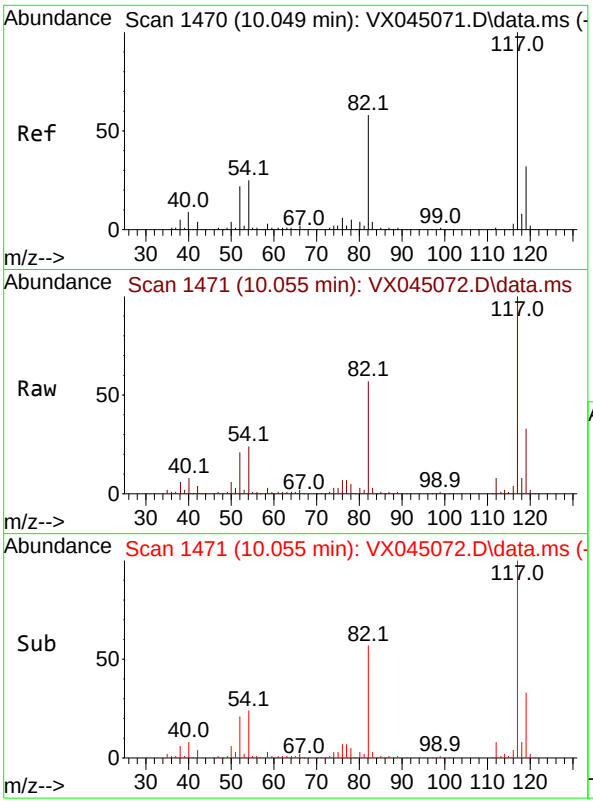


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4



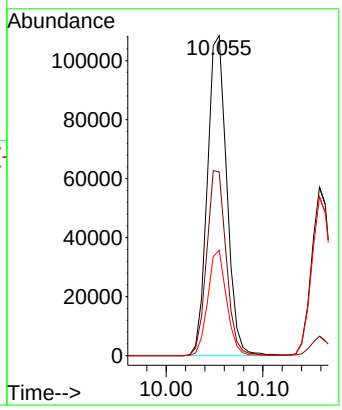


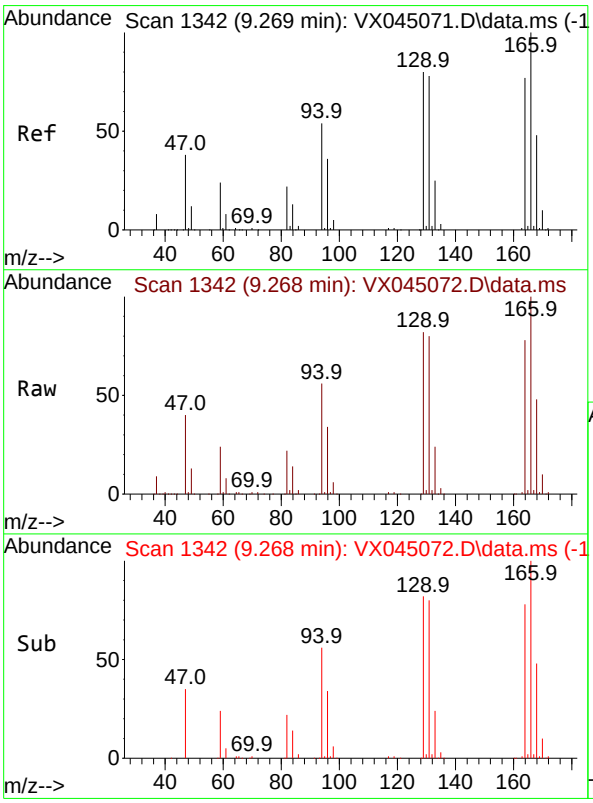
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 151175

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

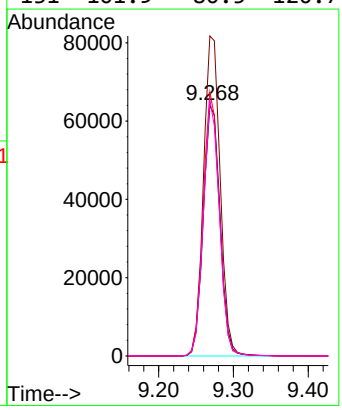


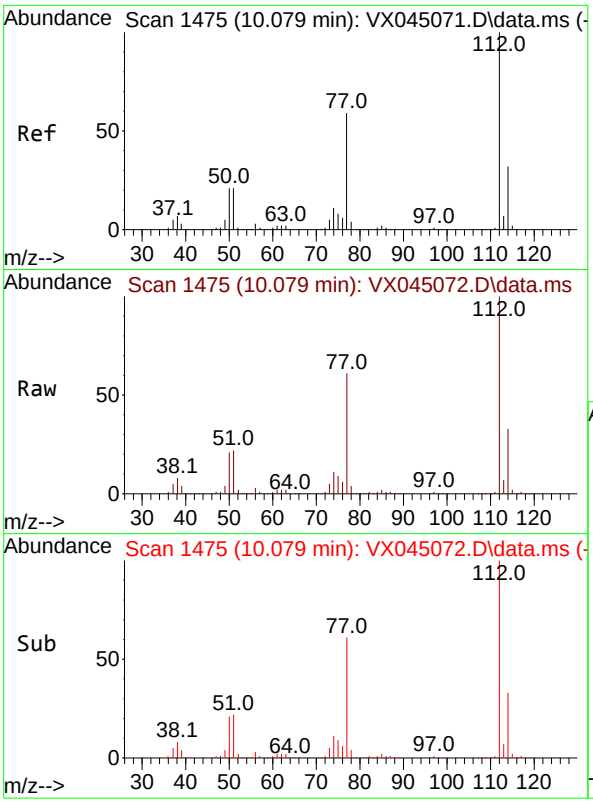


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7



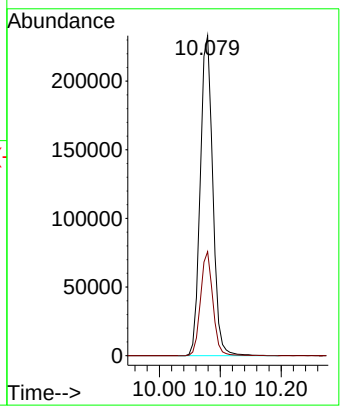


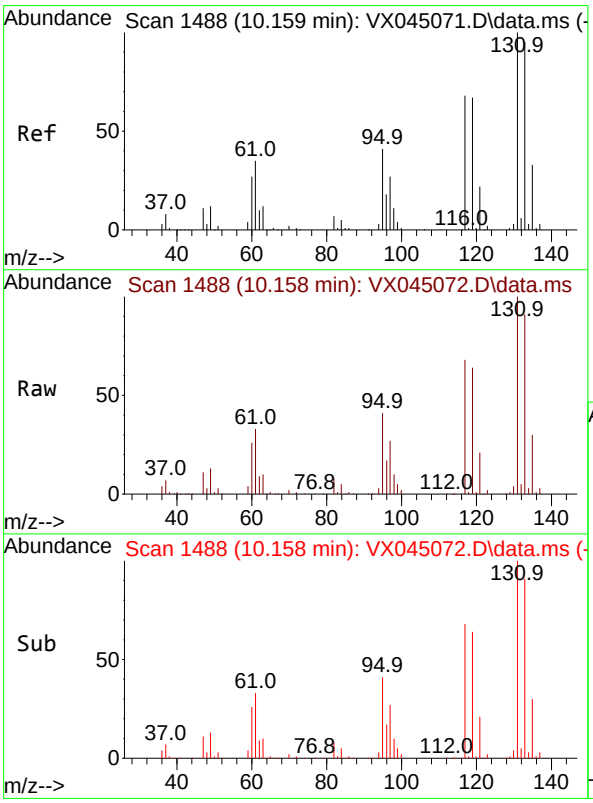
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

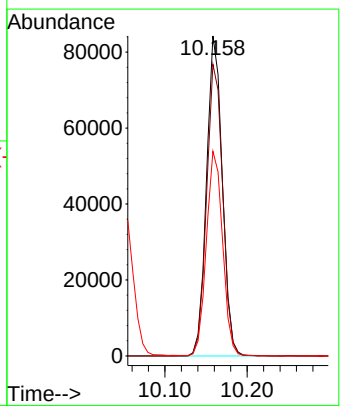


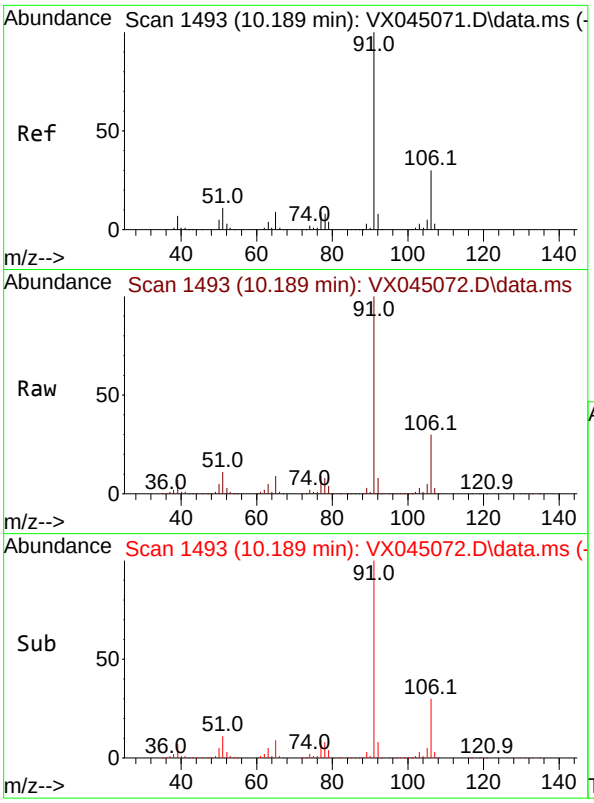


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7



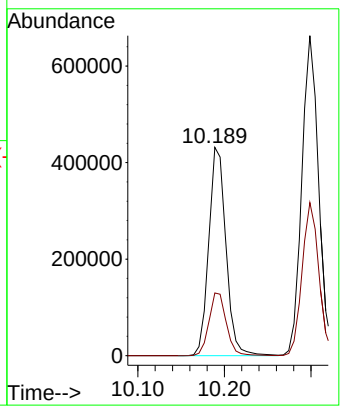


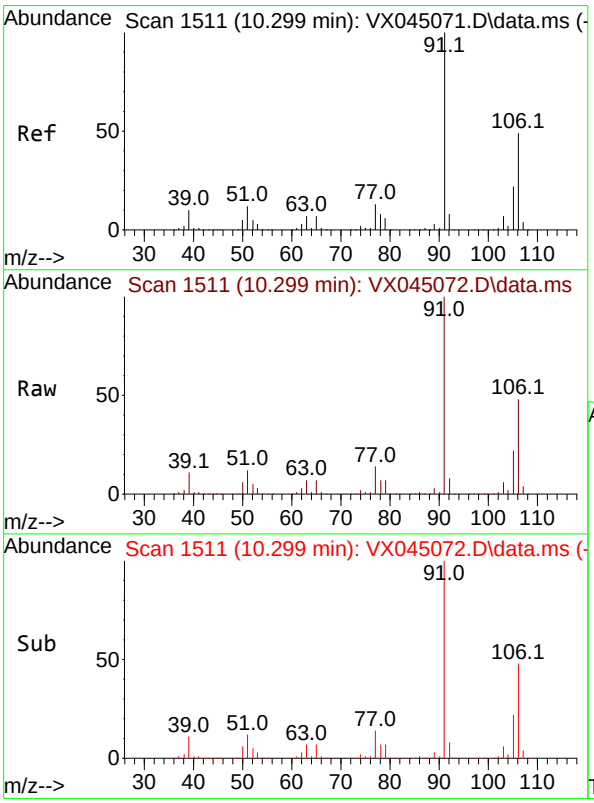
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

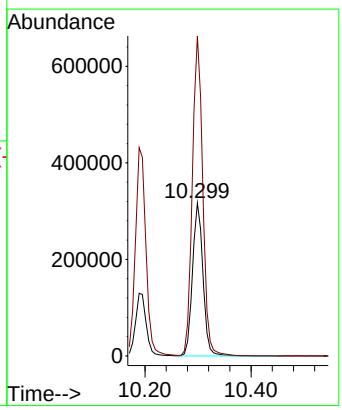


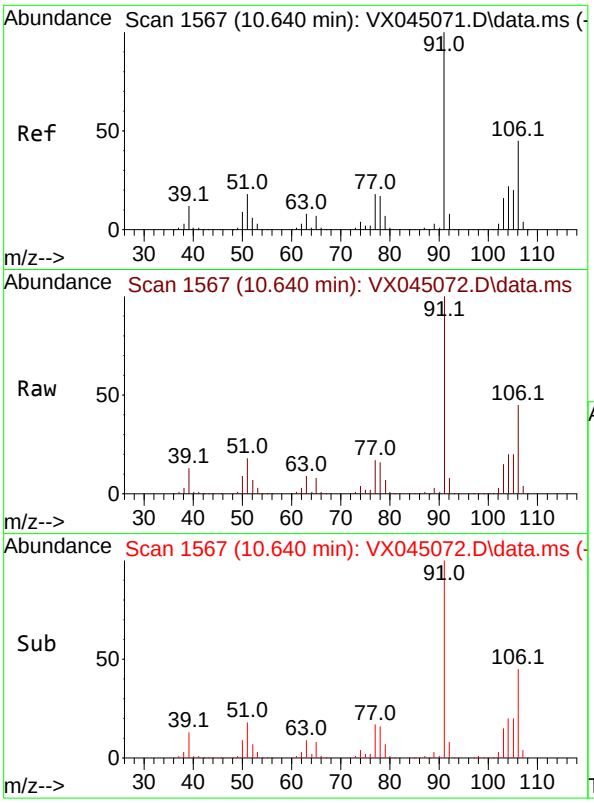


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



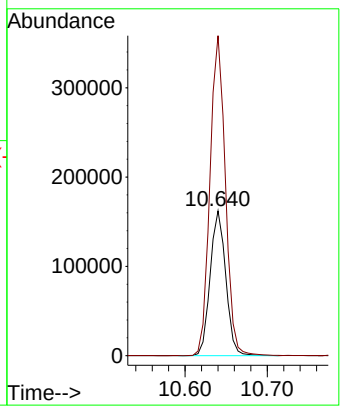


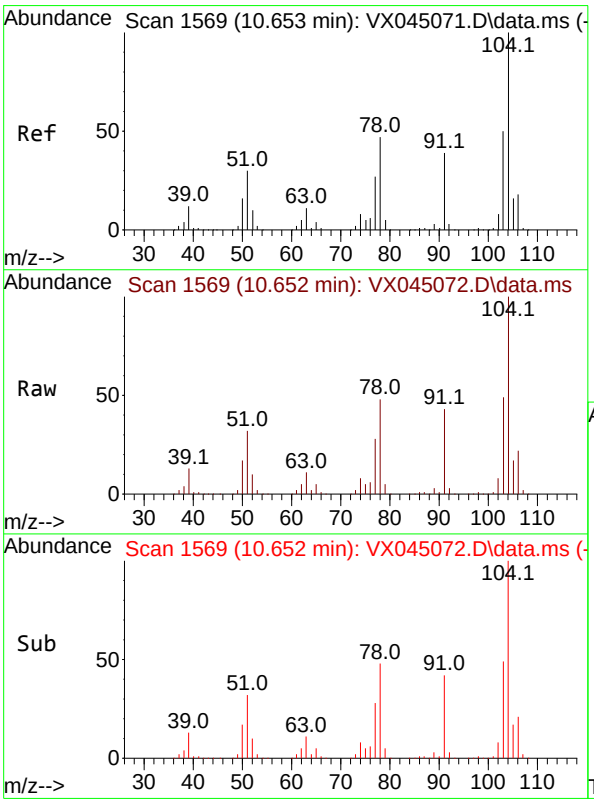
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

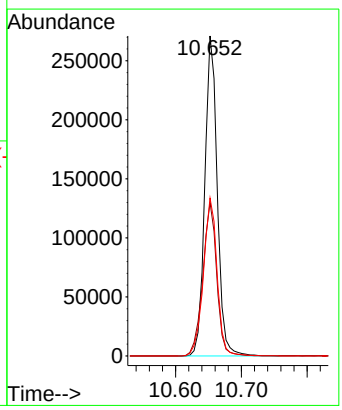


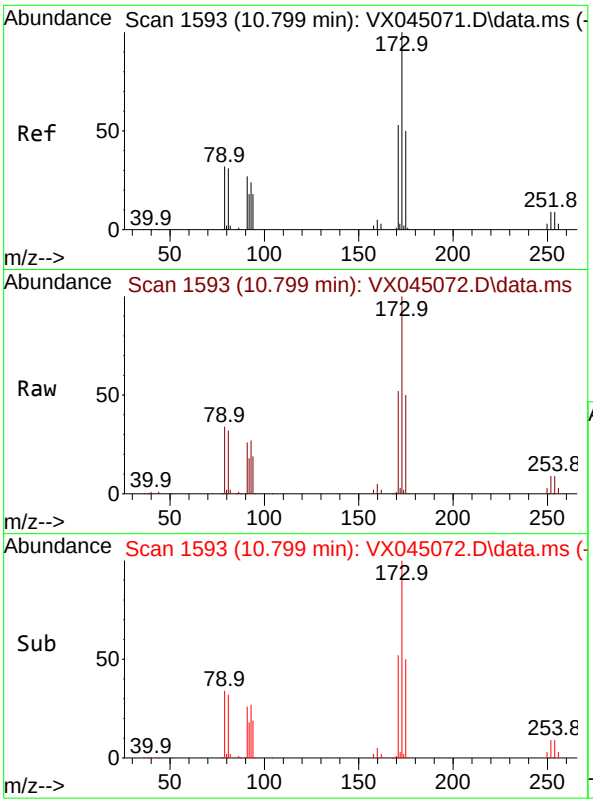


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8



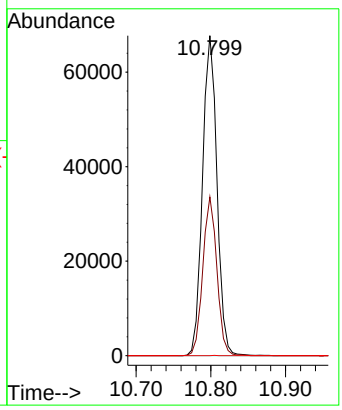


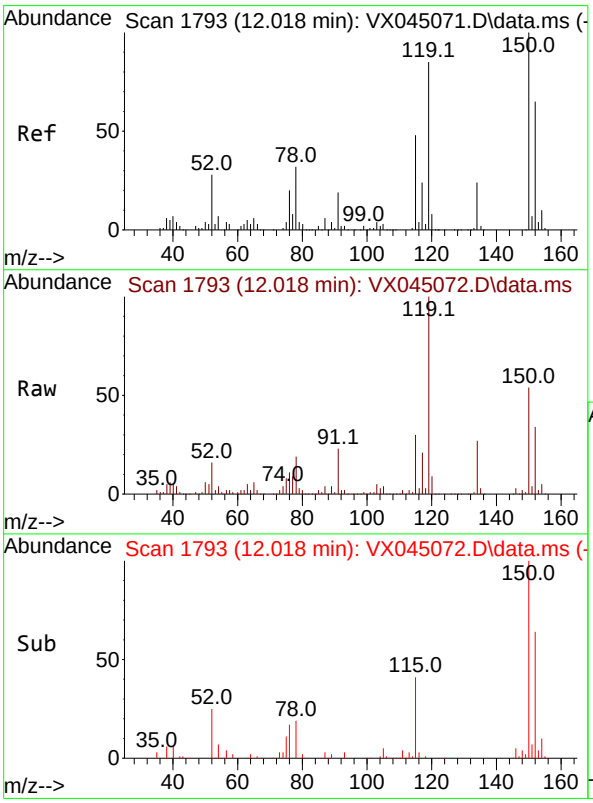
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 90800

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0#

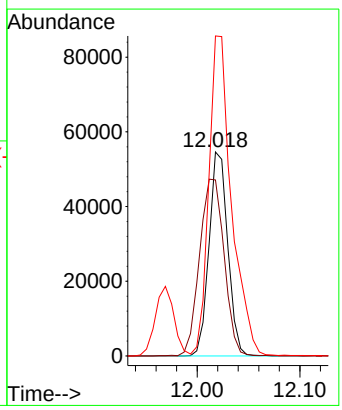


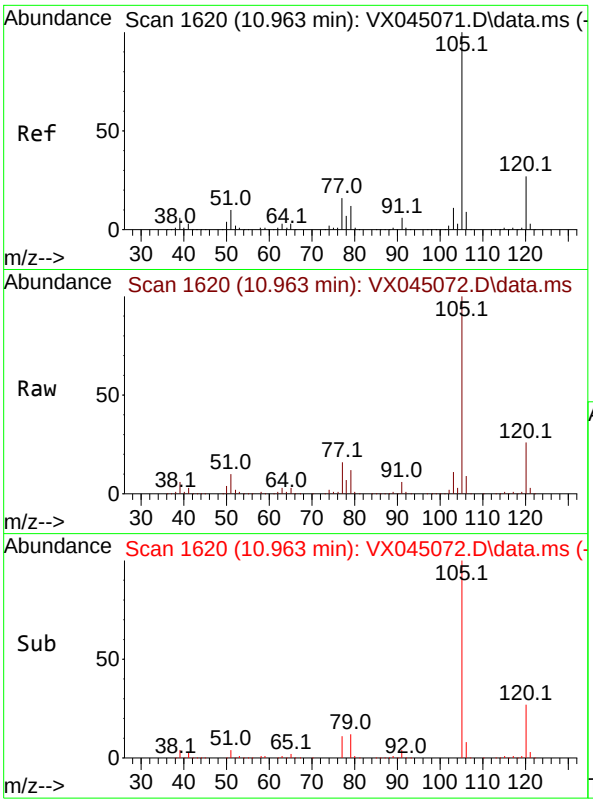


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0



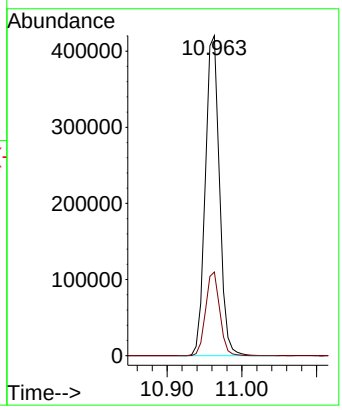


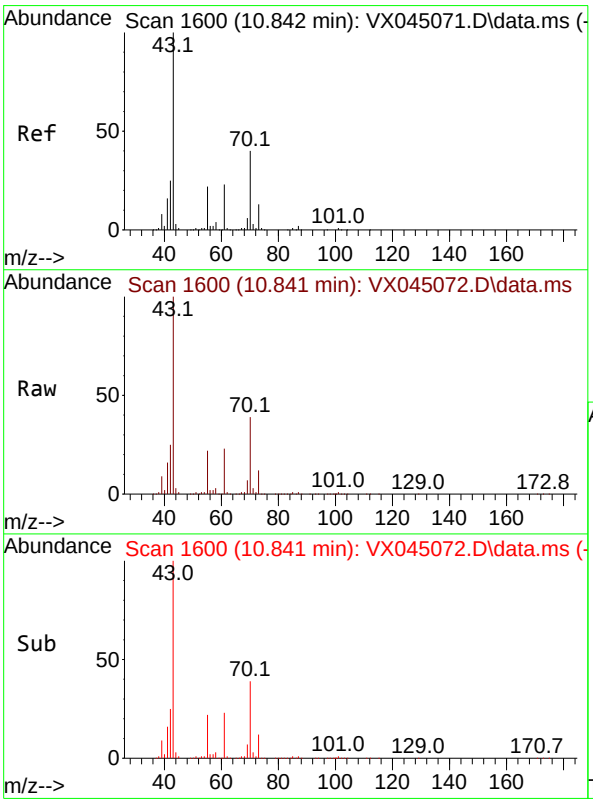
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

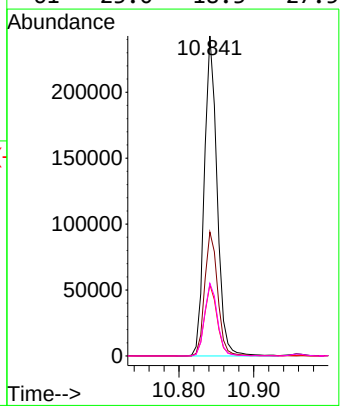


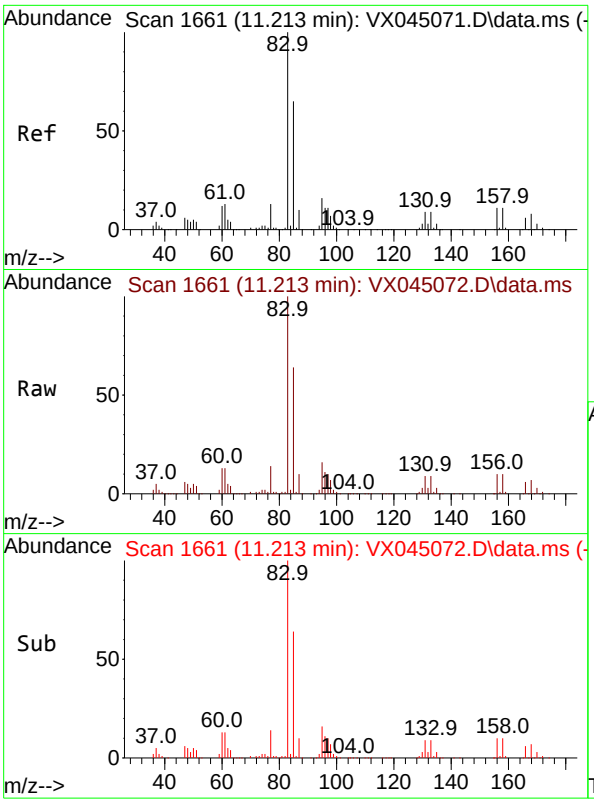


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



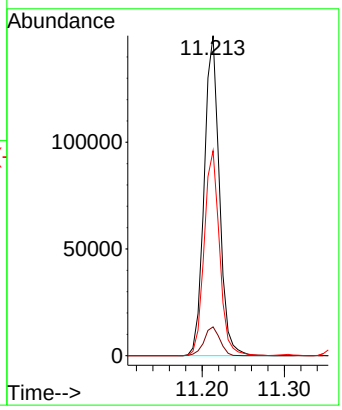


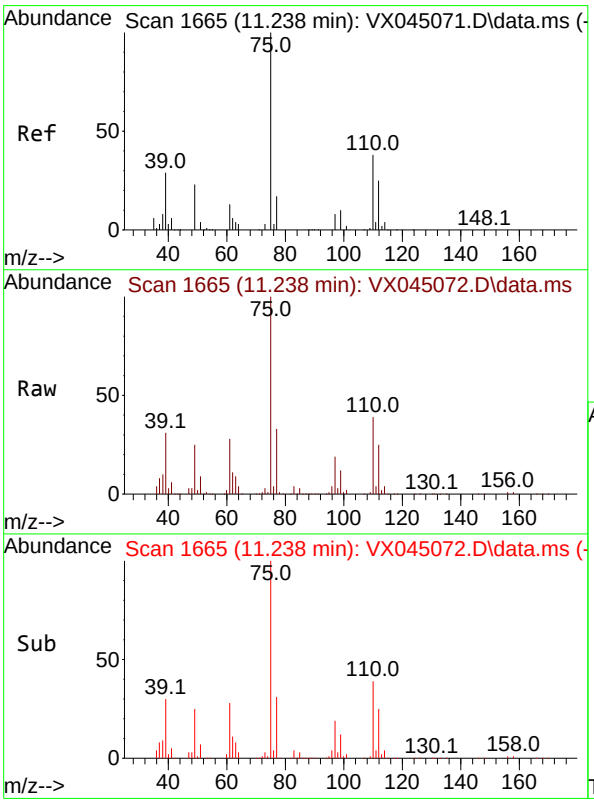
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 192217

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

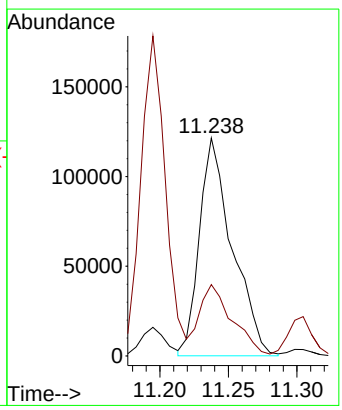


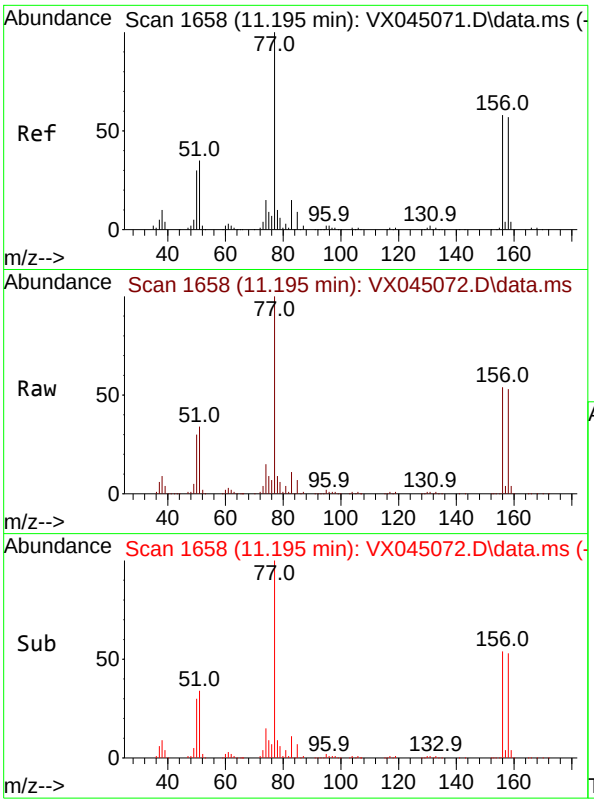


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



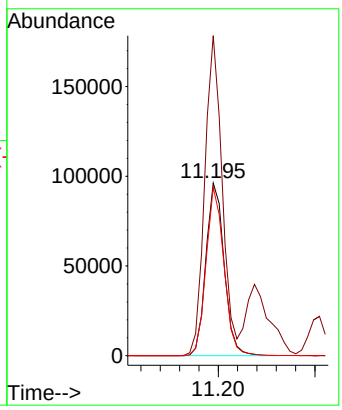


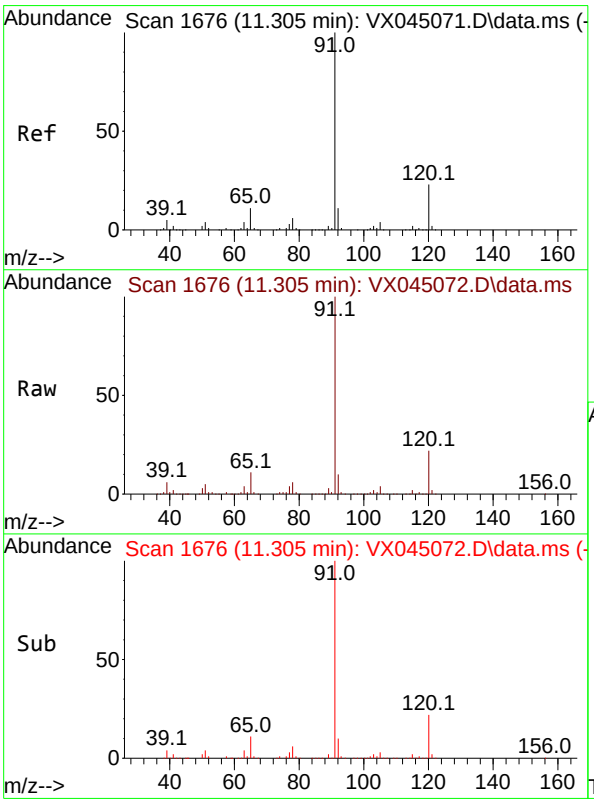
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 125700

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

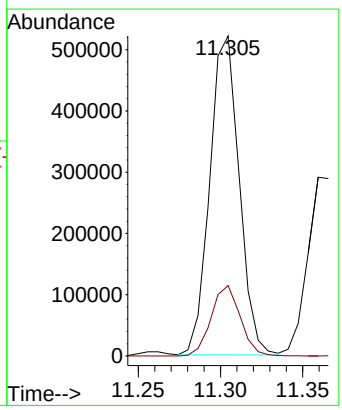


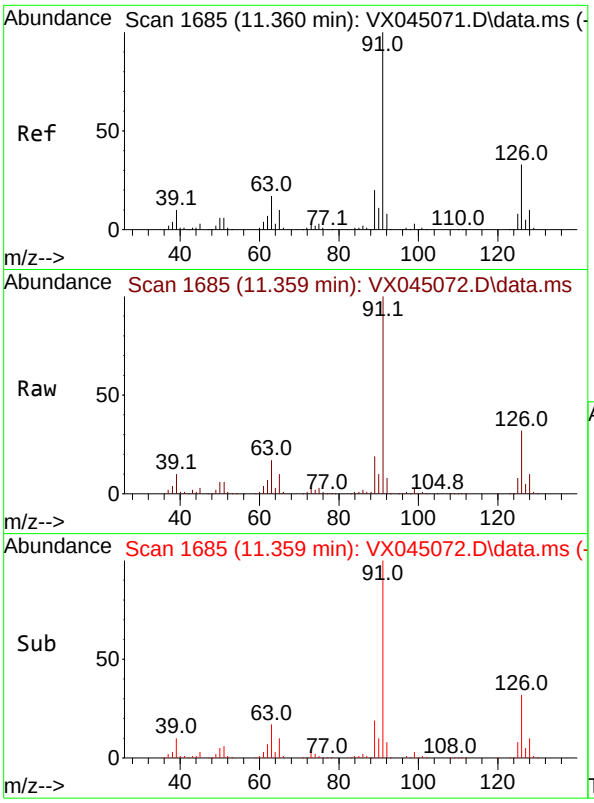


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



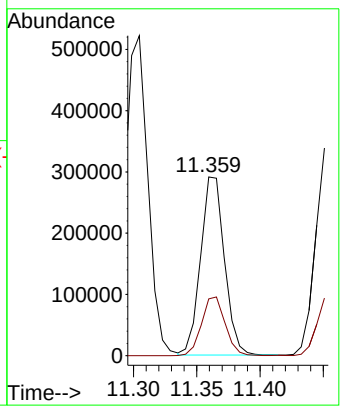


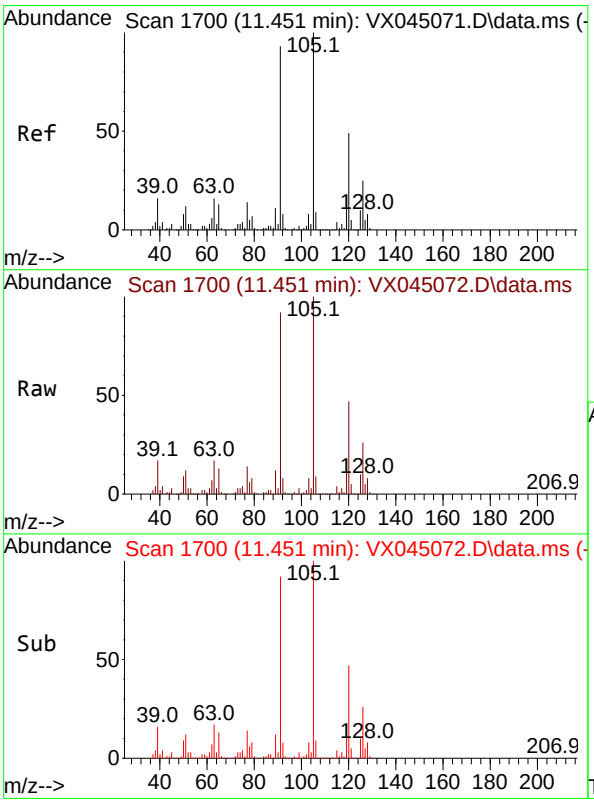
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

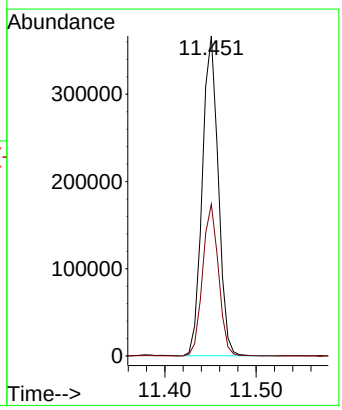


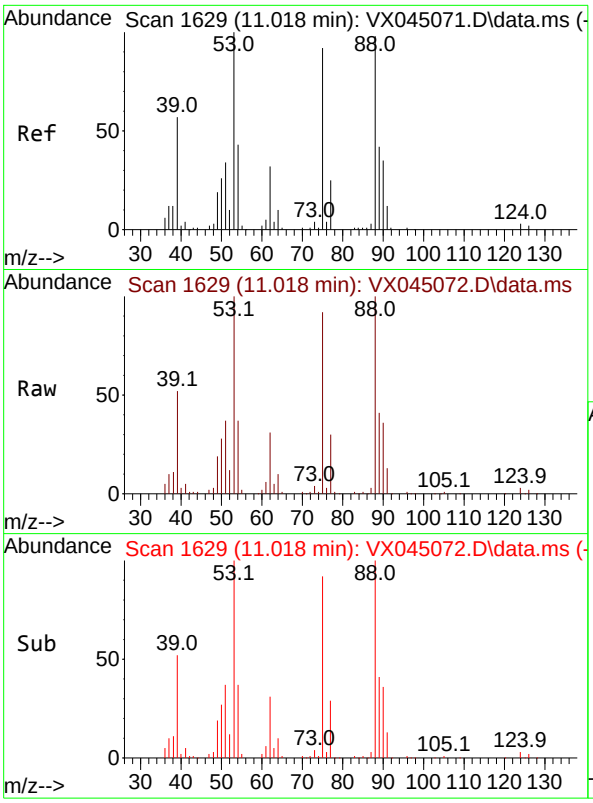


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



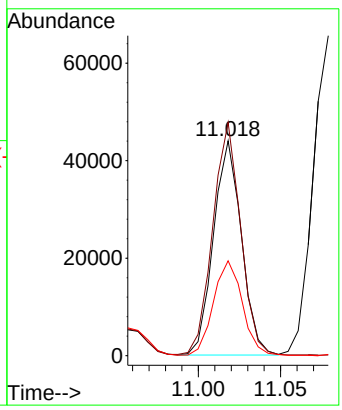


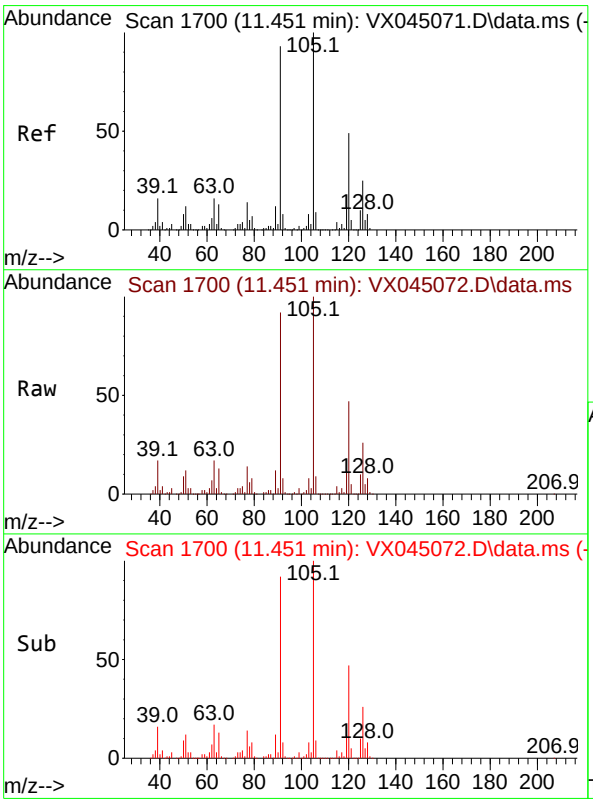
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 51975

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

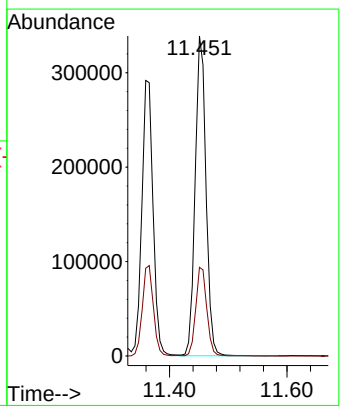


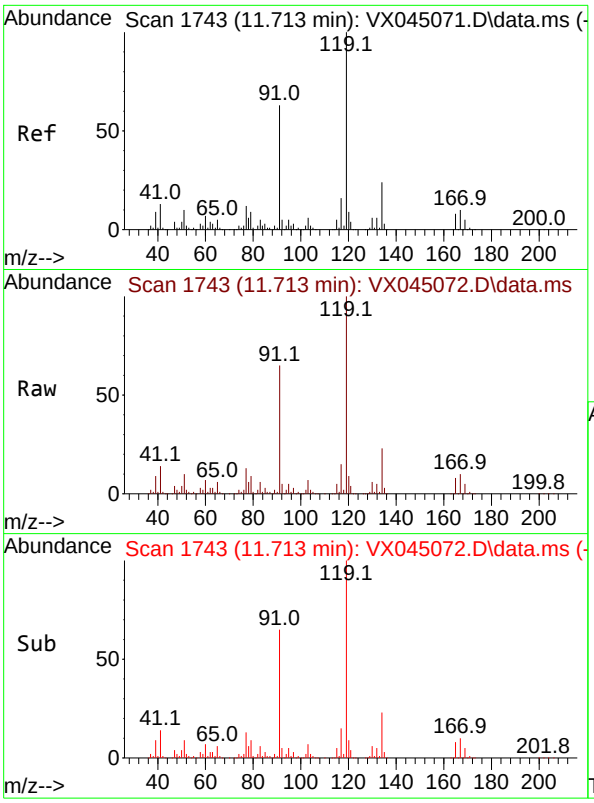


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



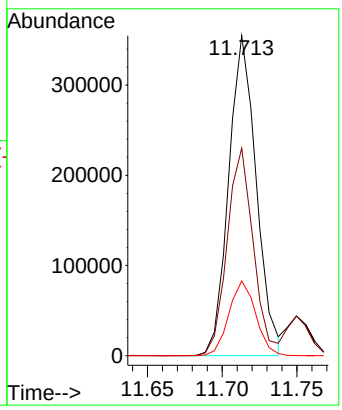


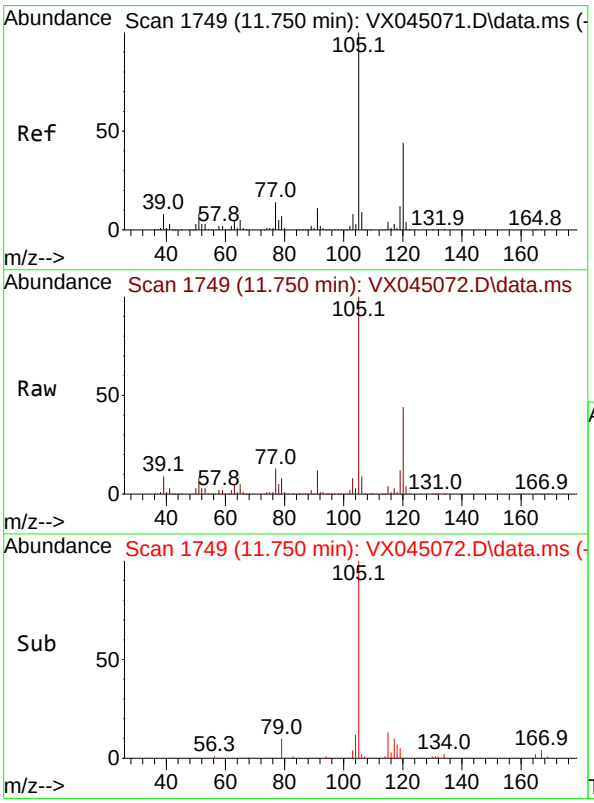
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 454859

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0

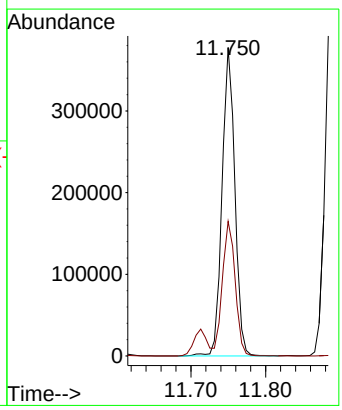


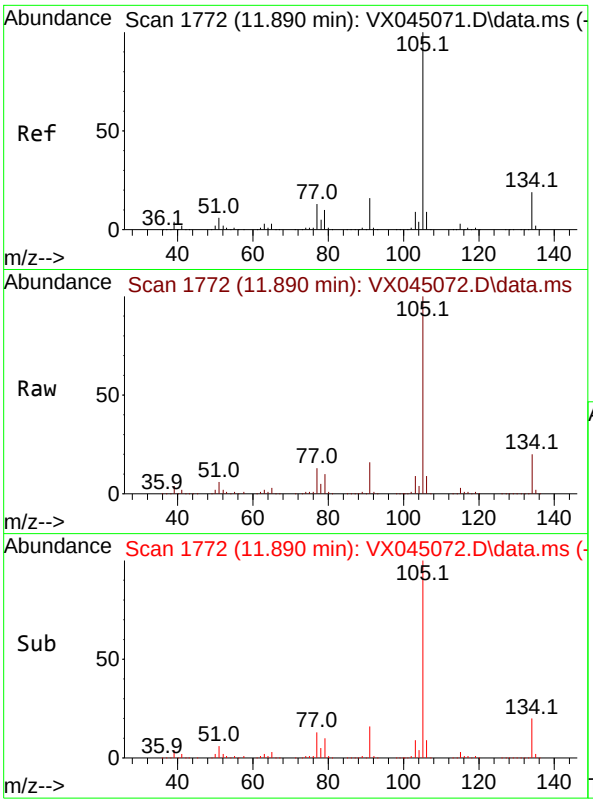


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



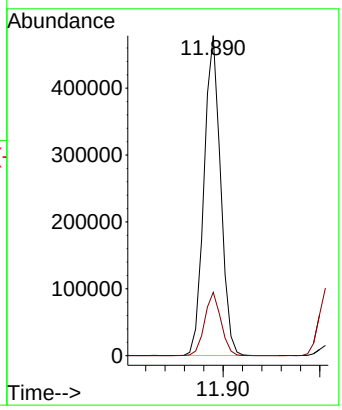


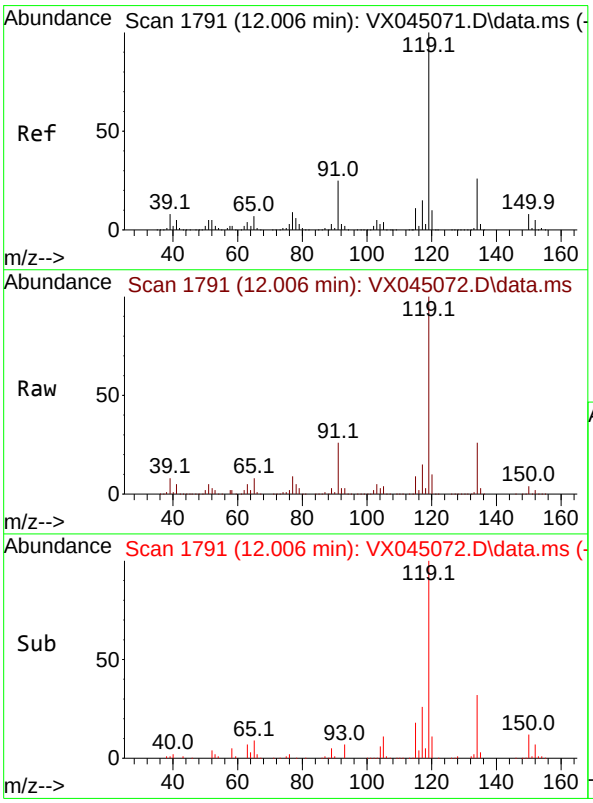
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

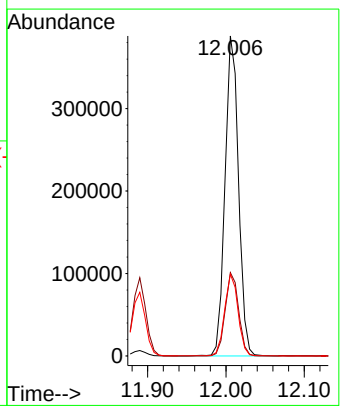


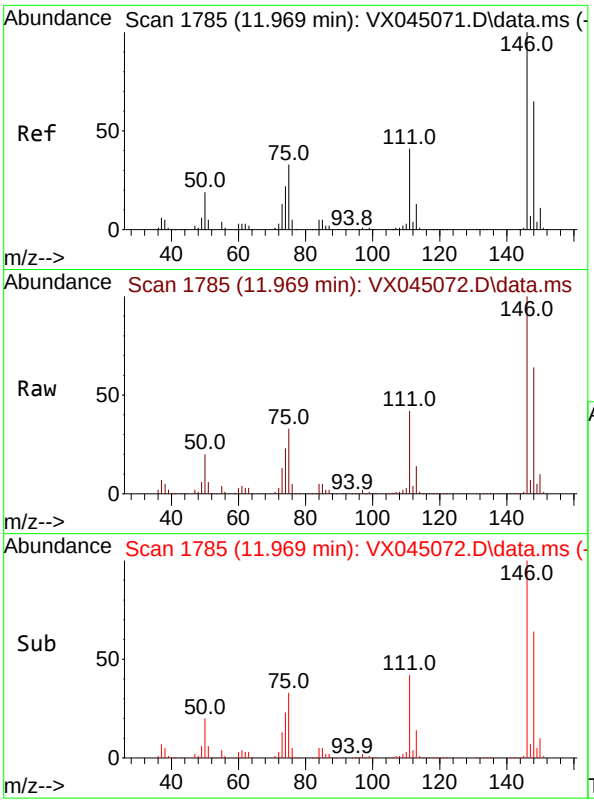


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0



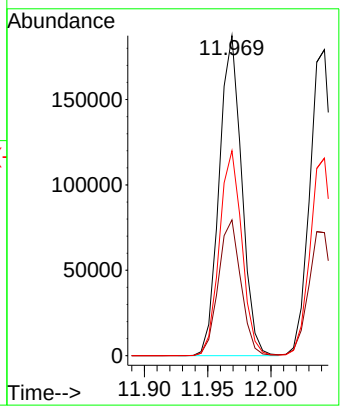


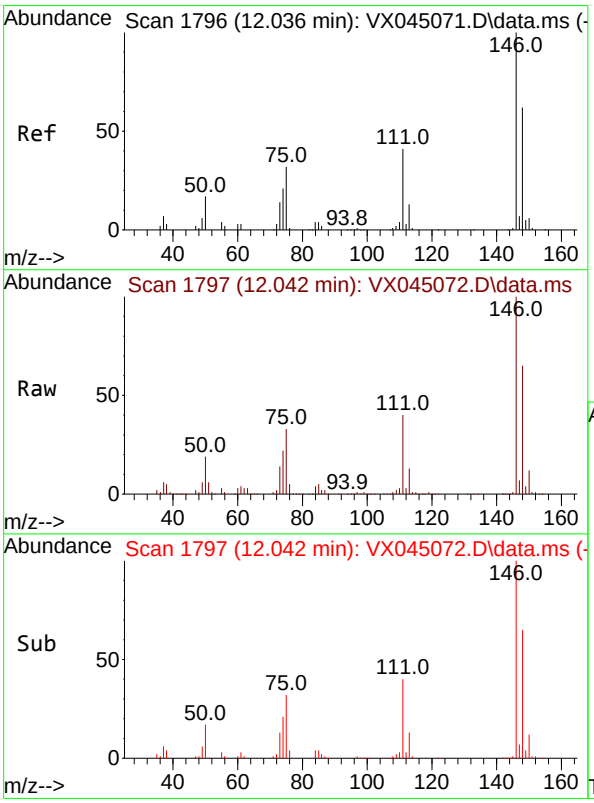
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 231440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

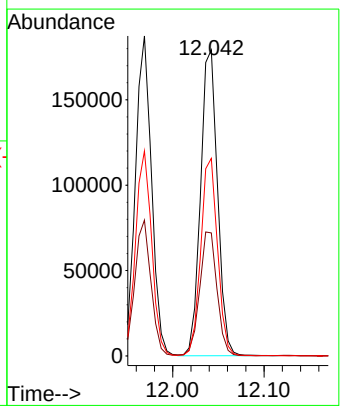


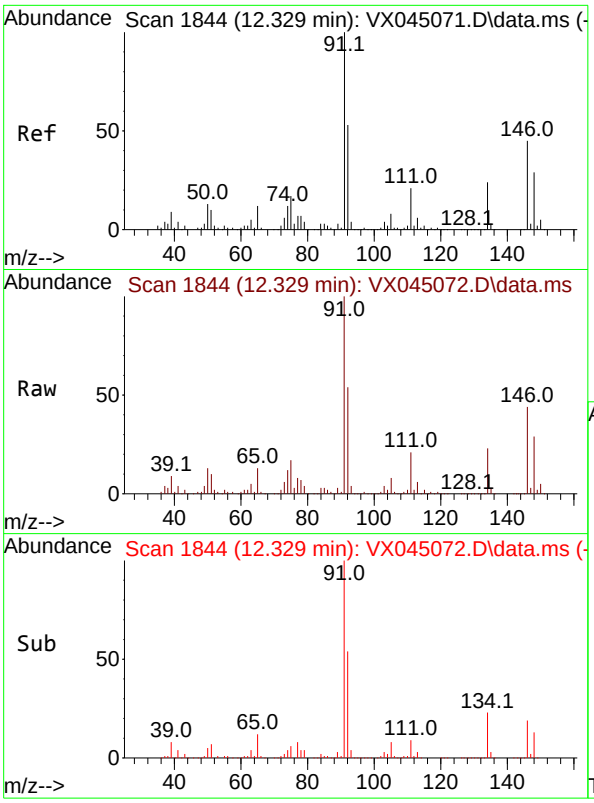


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9



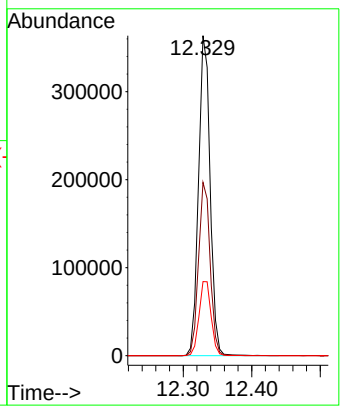


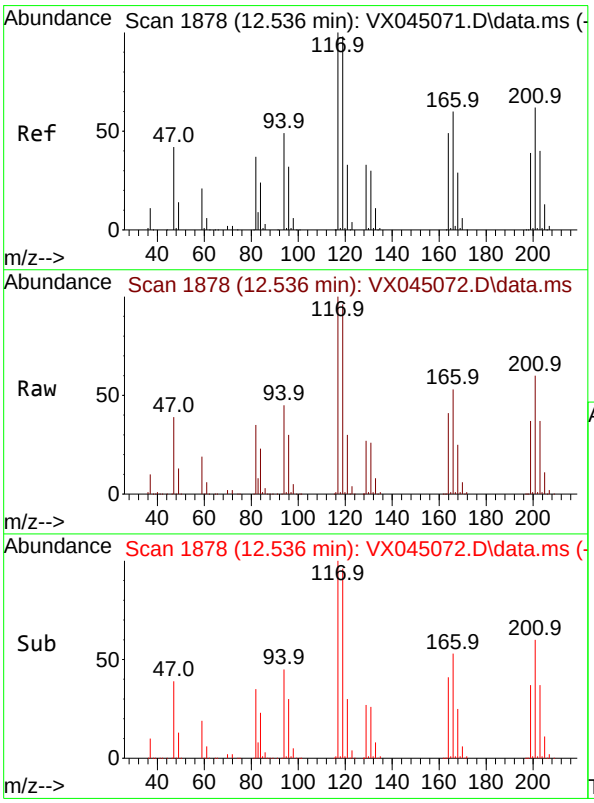
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 428209

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6

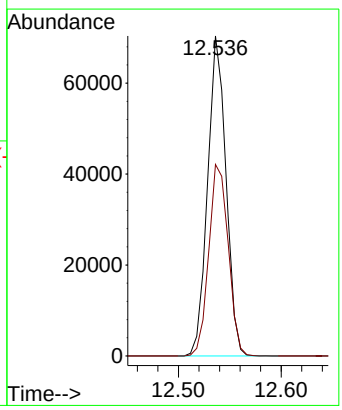


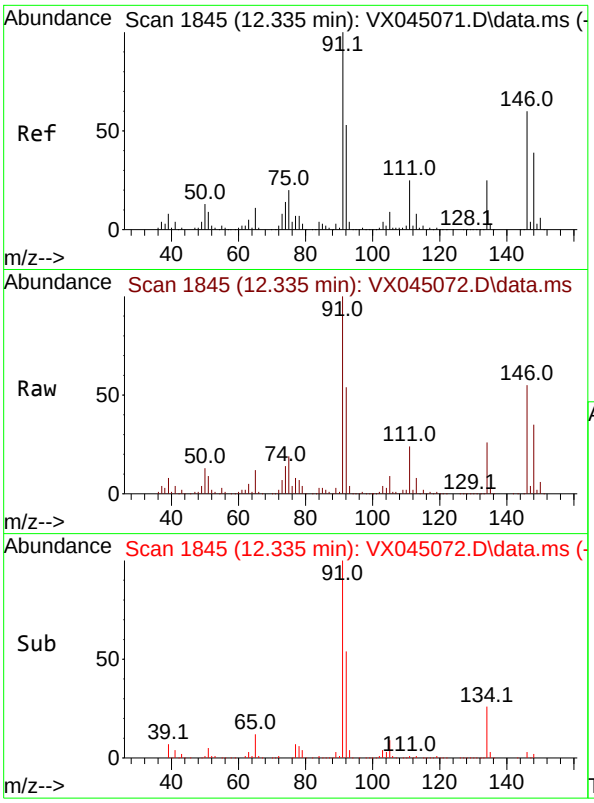


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



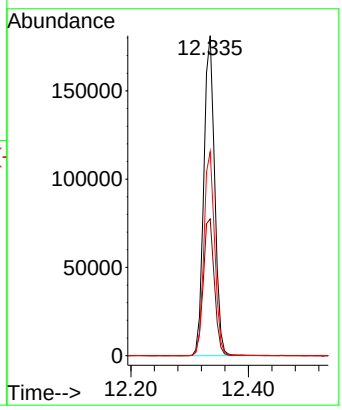


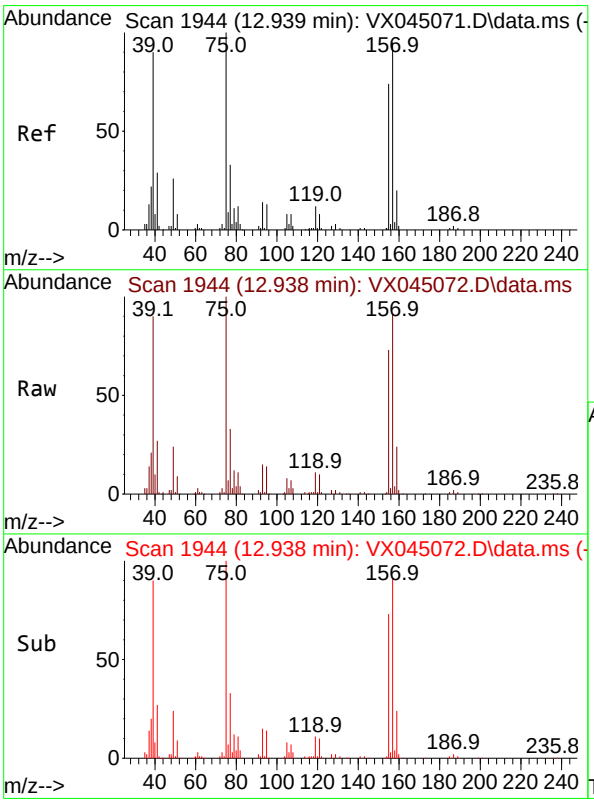
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 233125

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9

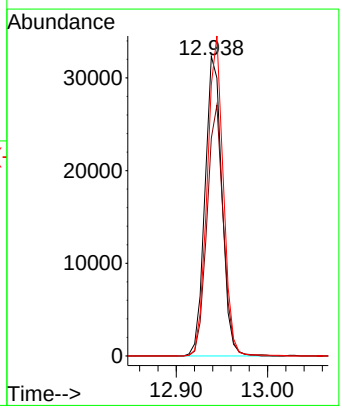


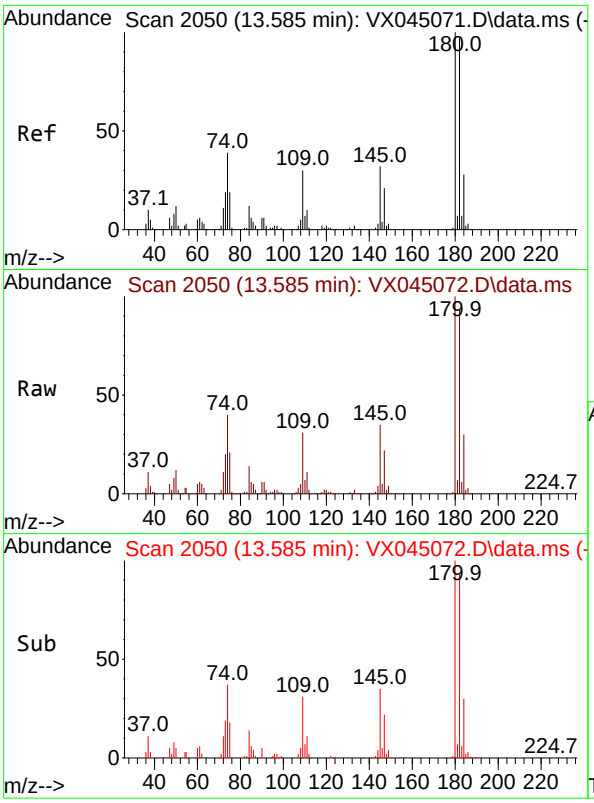


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4



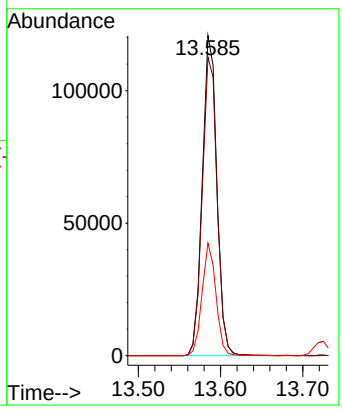


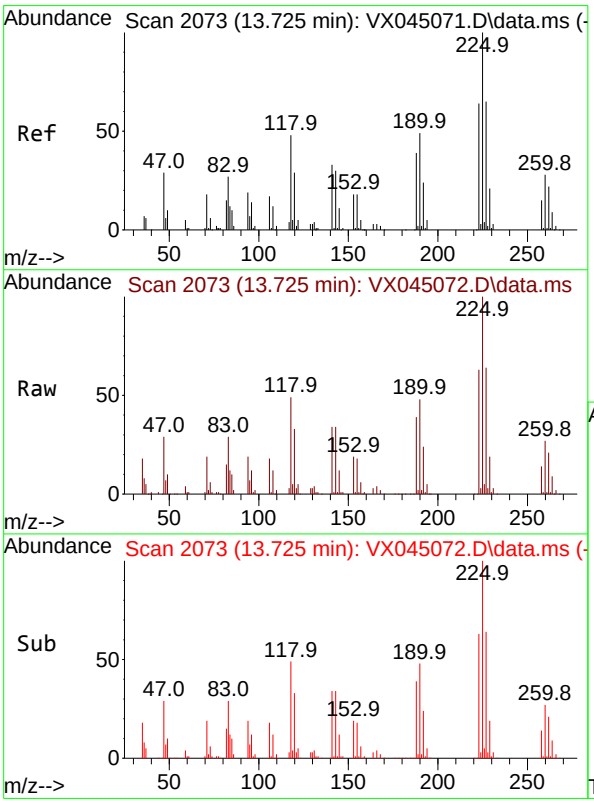
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 148368

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9

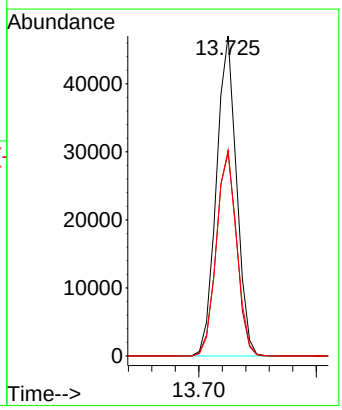


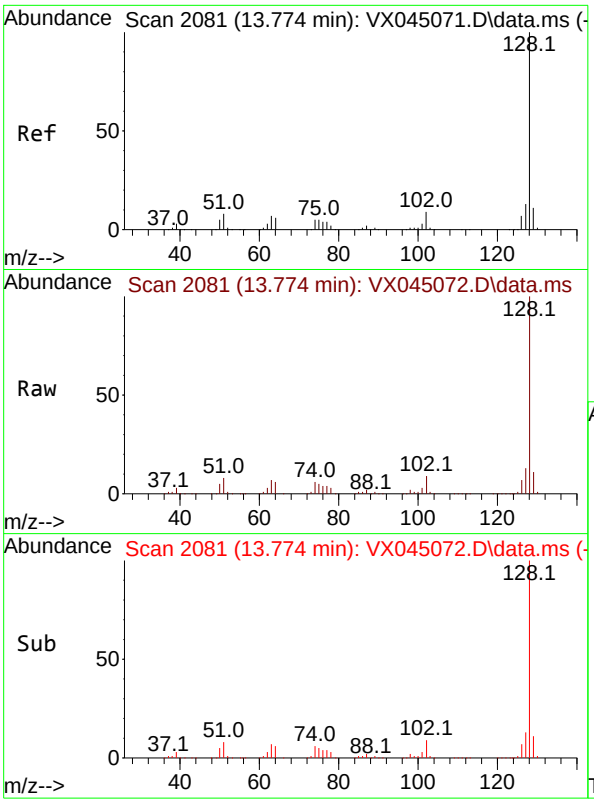


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0



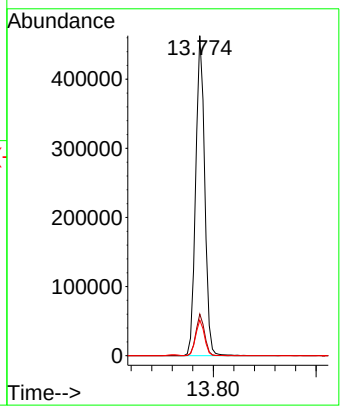


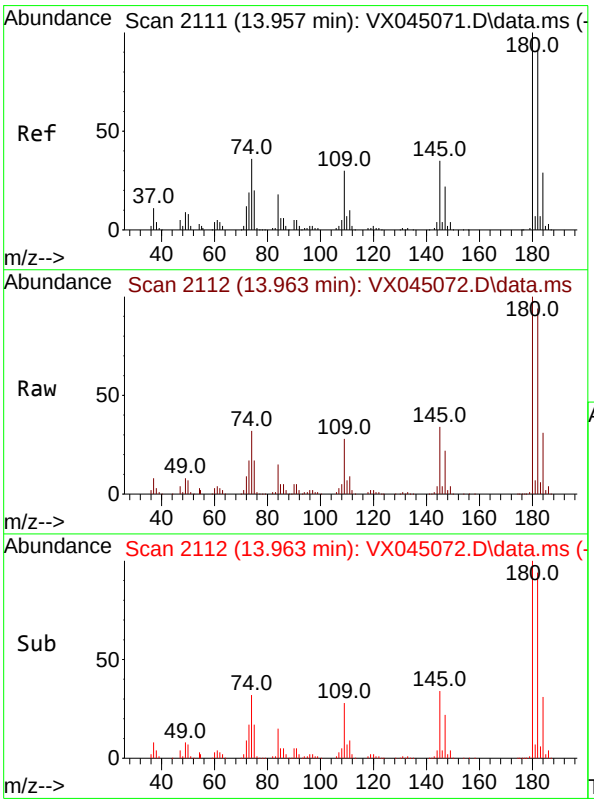
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 565250

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

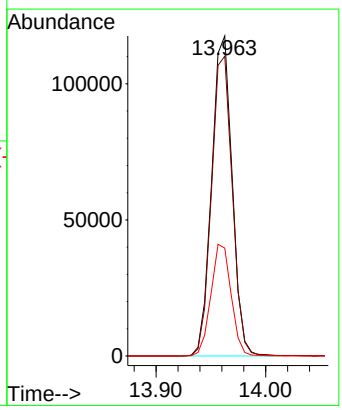




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	303633	201.103	ug/l		86
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

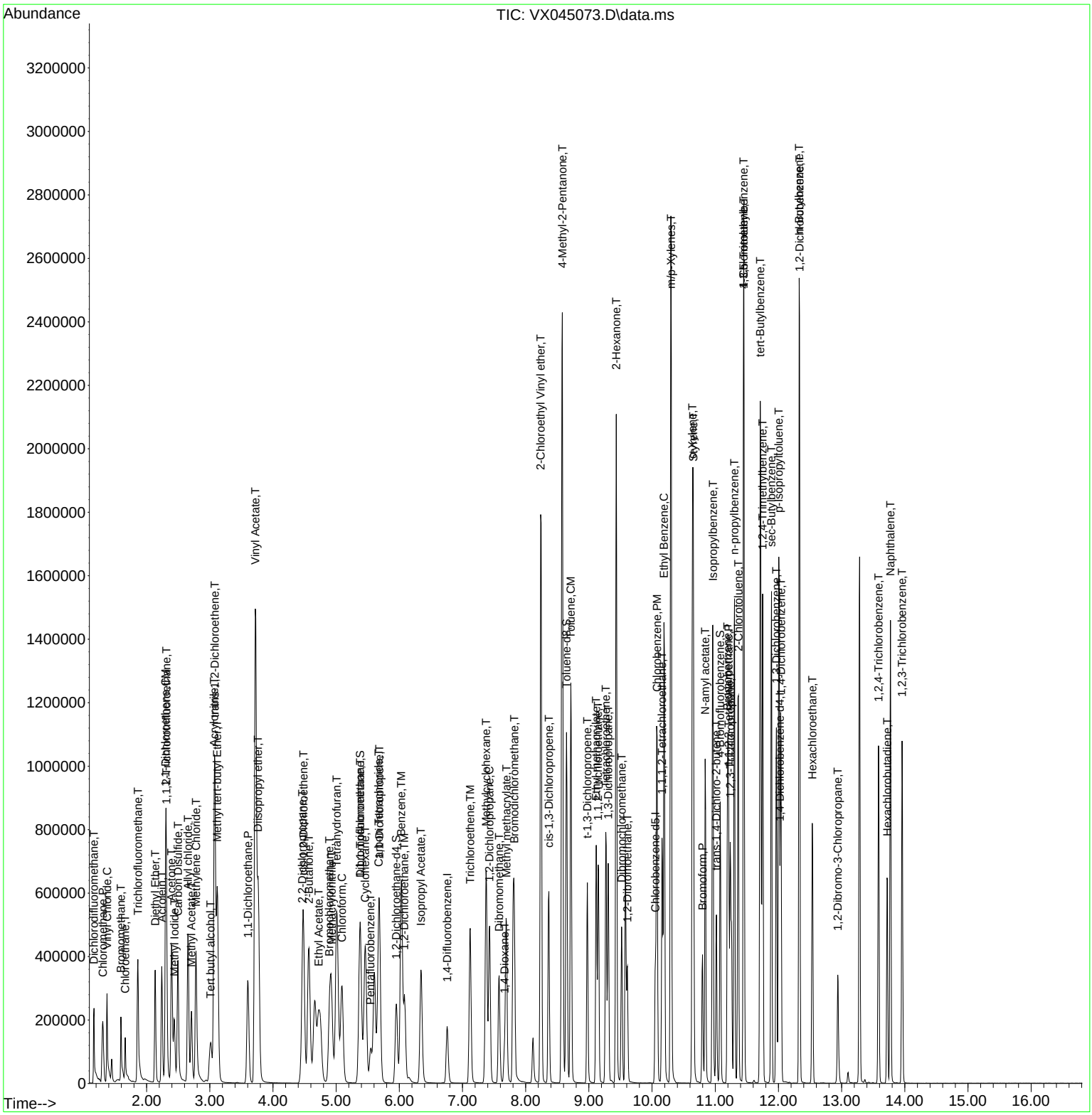
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

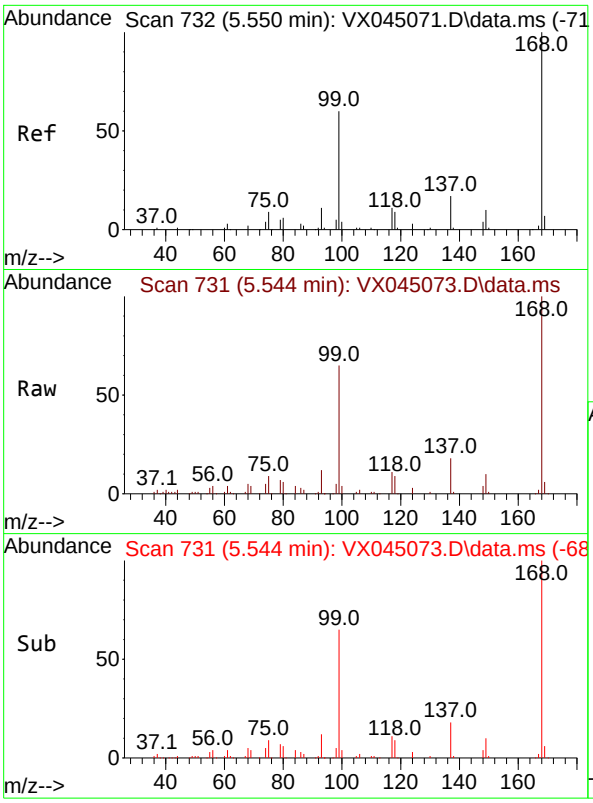
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



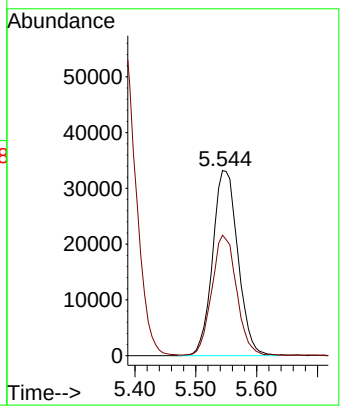


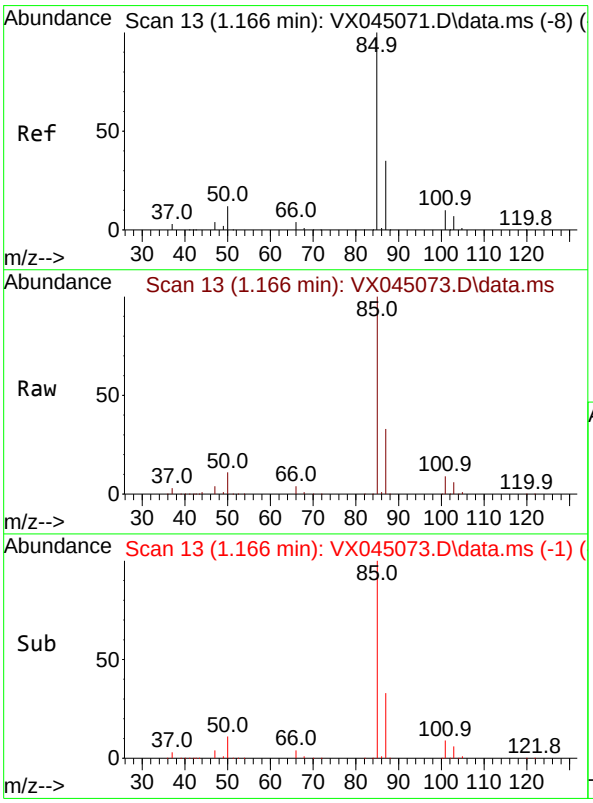
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

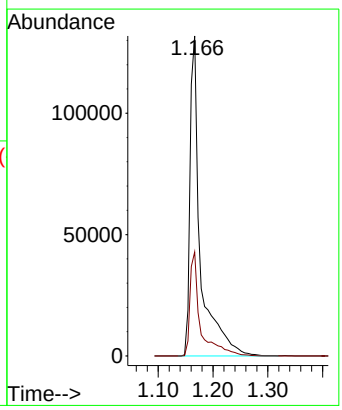


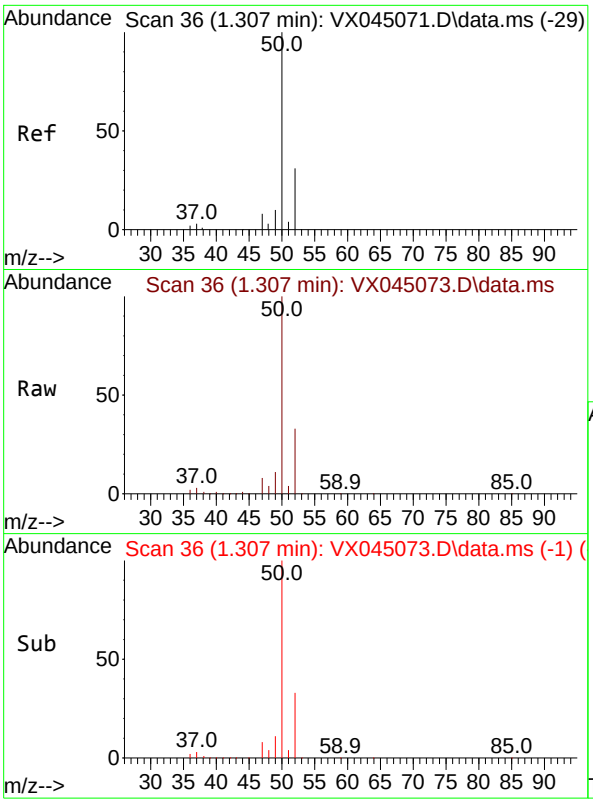


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



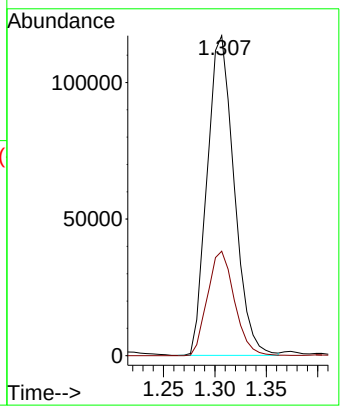


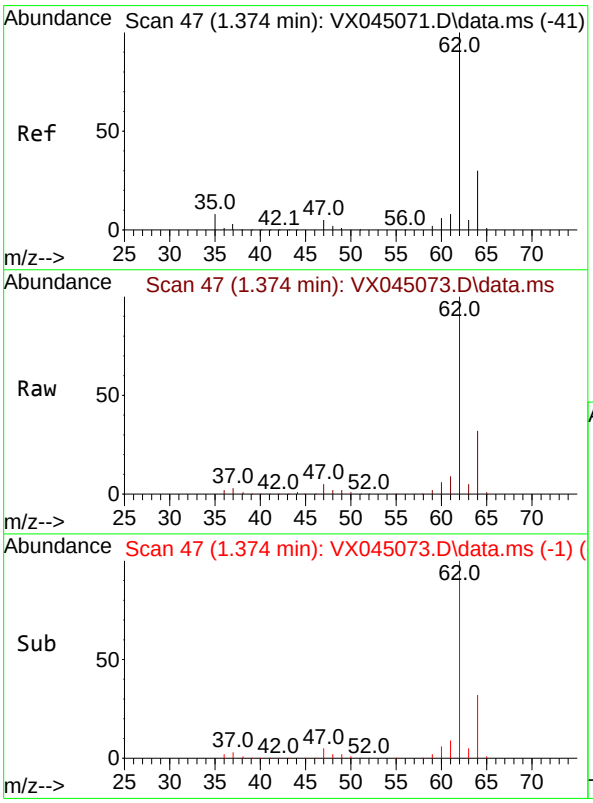
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

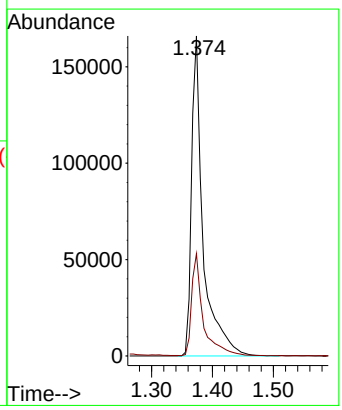


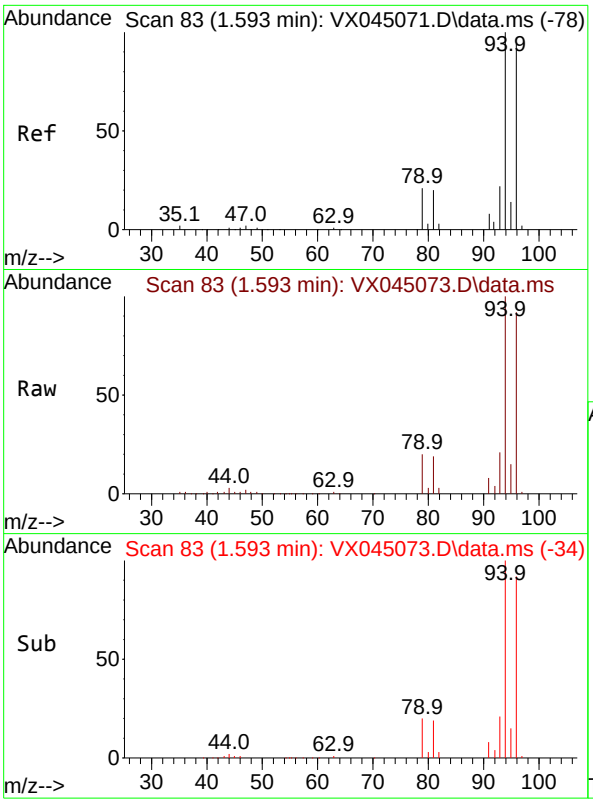


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



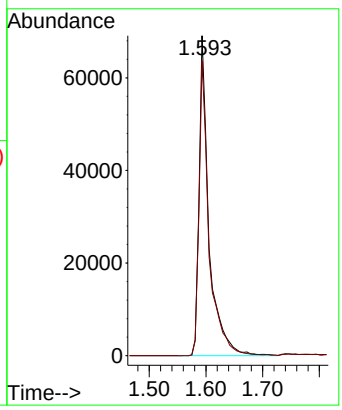


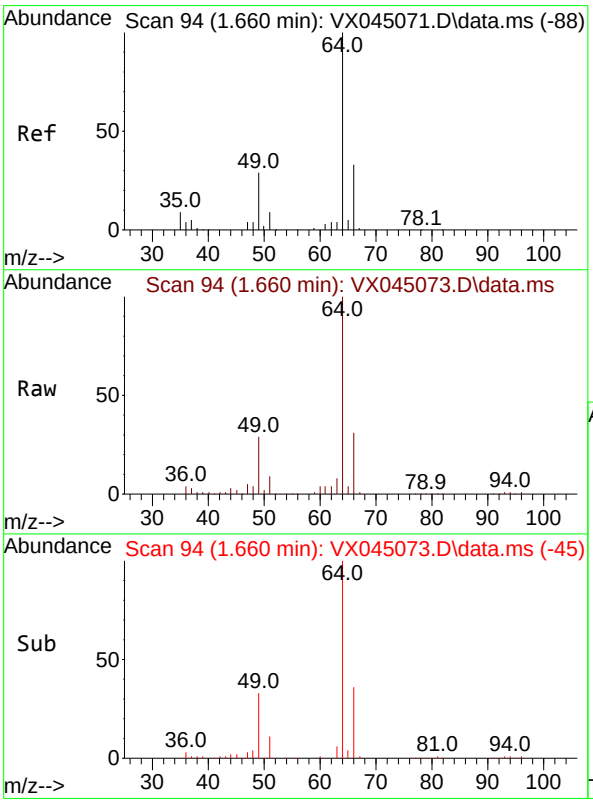
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

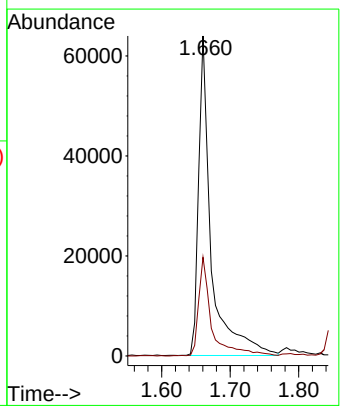


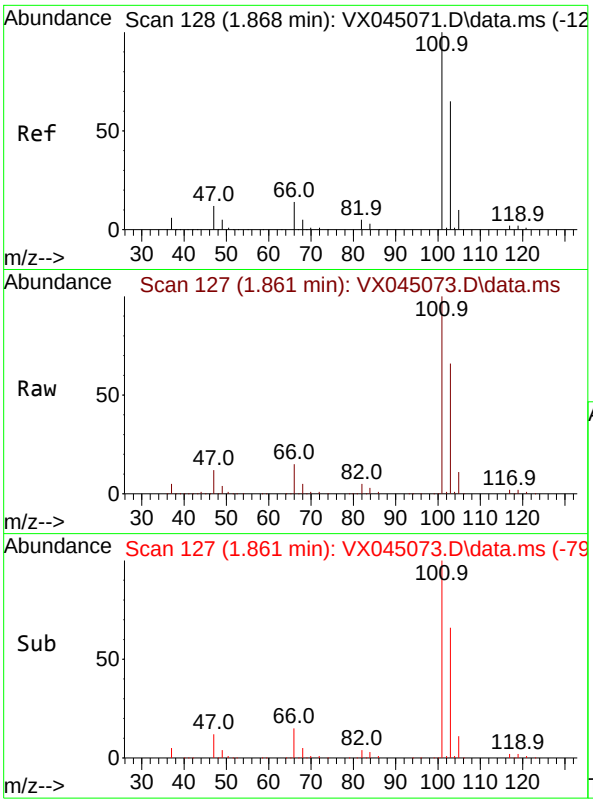


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



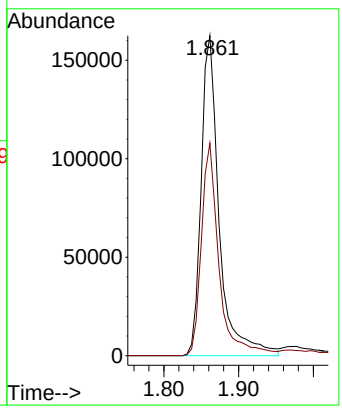


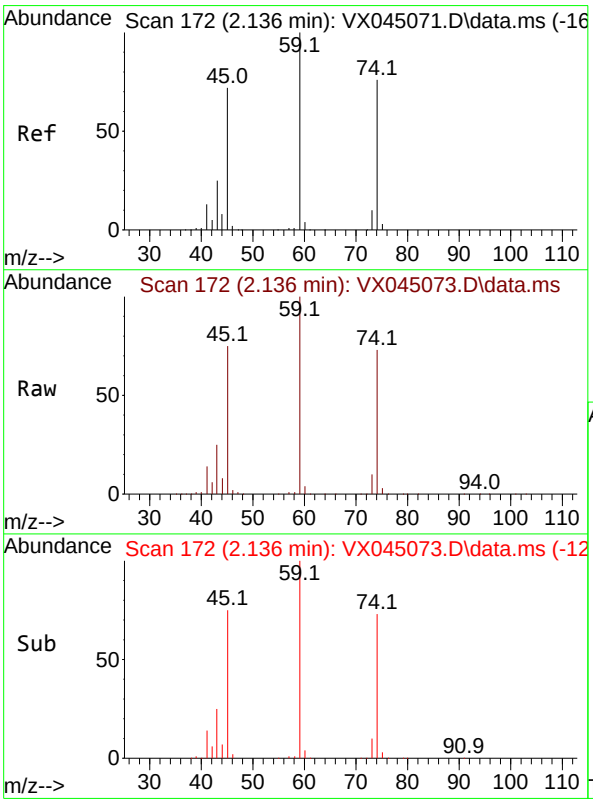
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

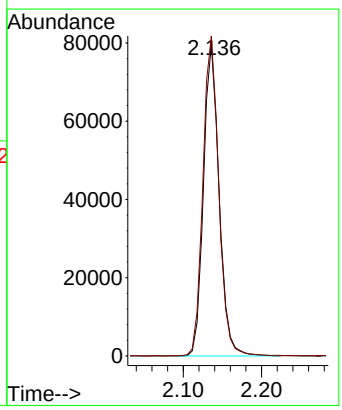


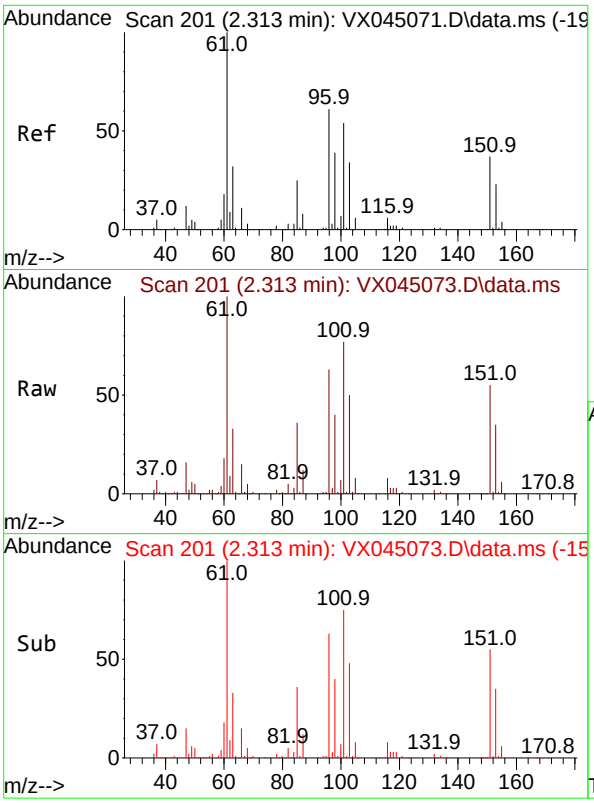


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



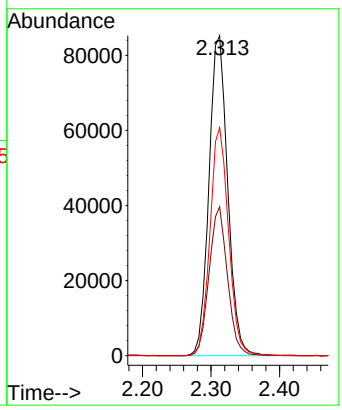


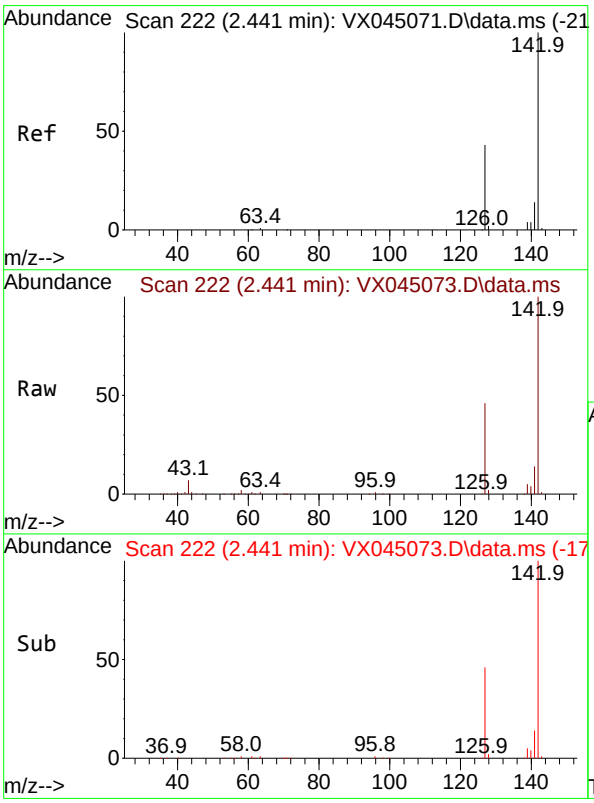
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 161825

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

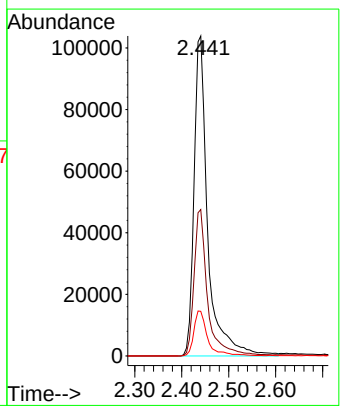


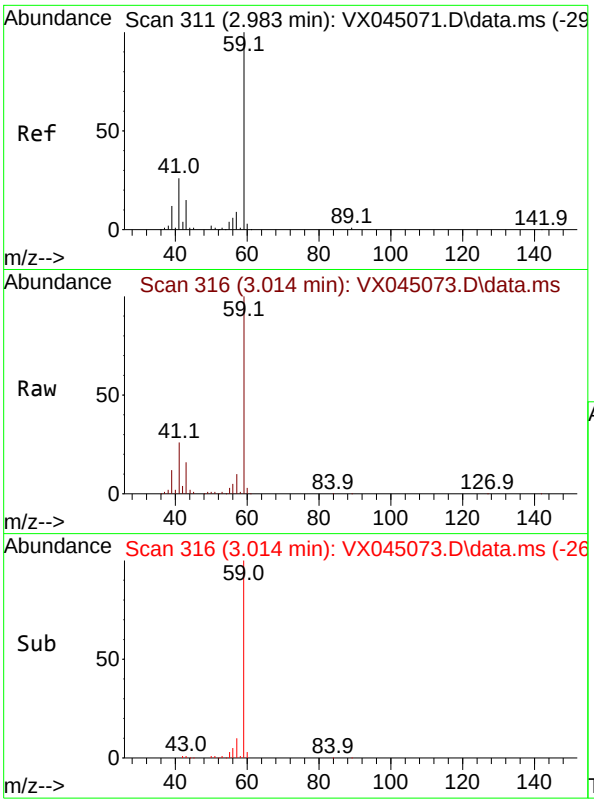


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4



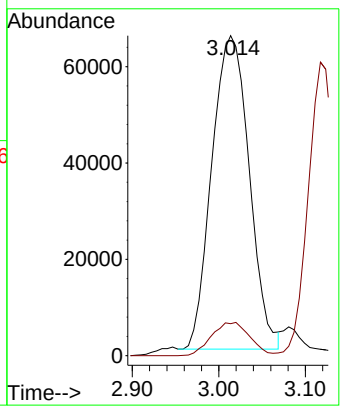


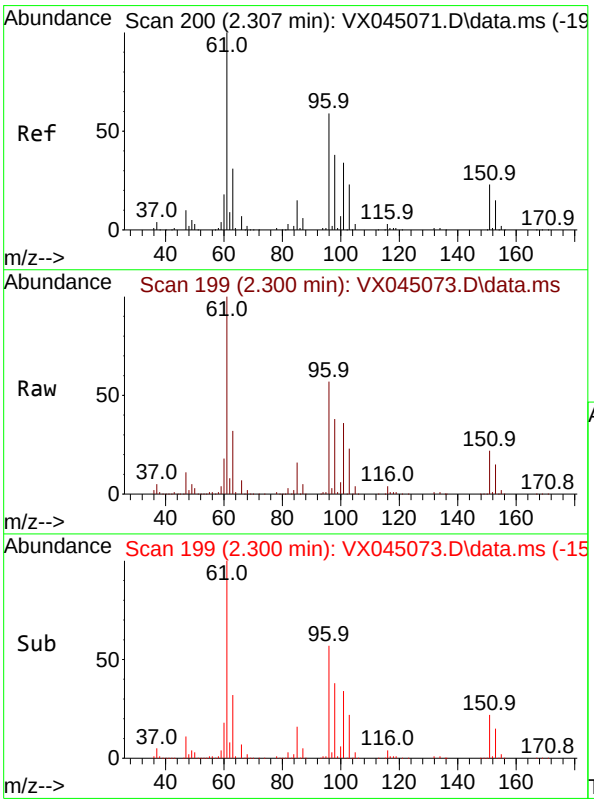
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

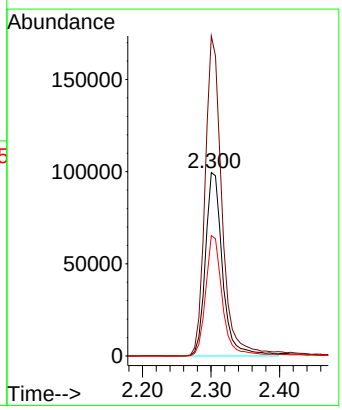


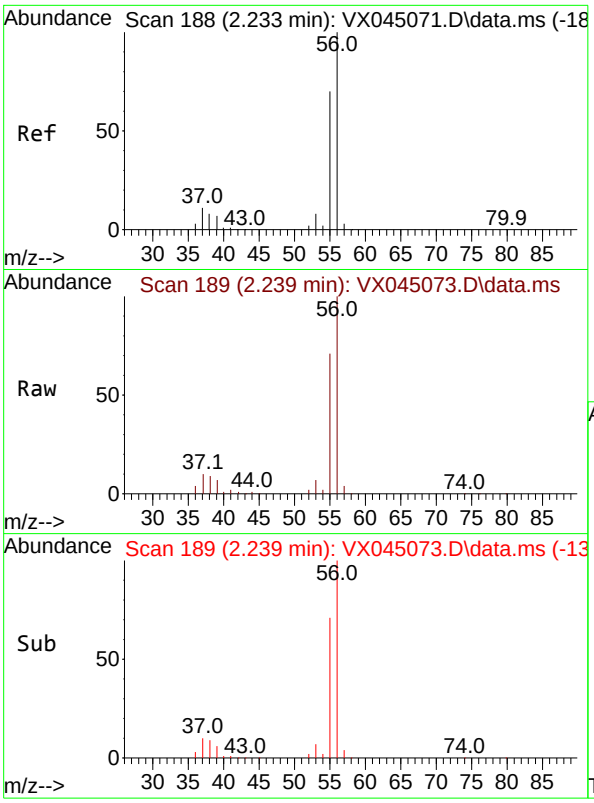


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6



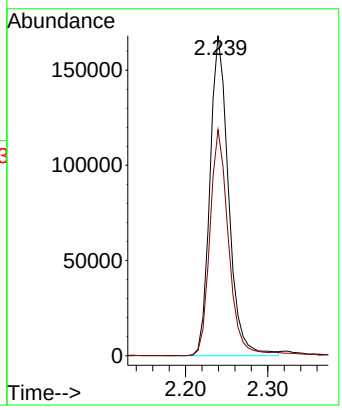


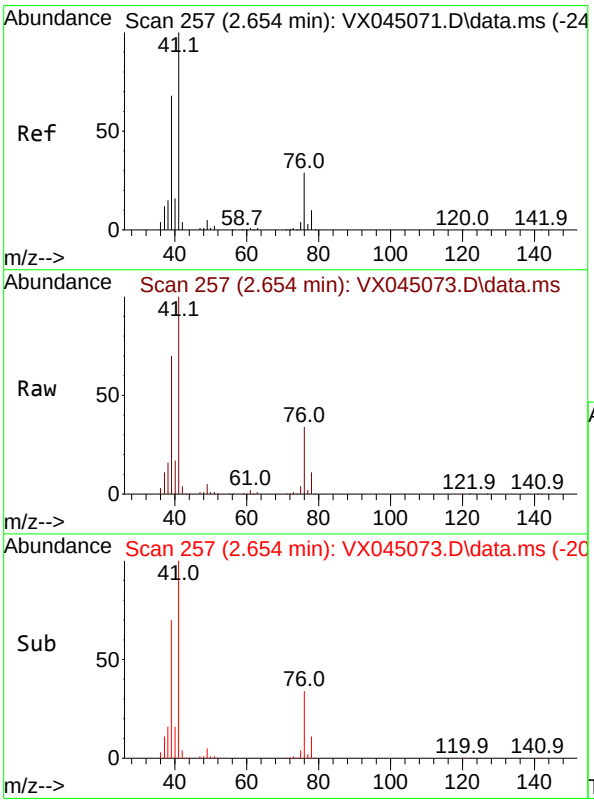
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

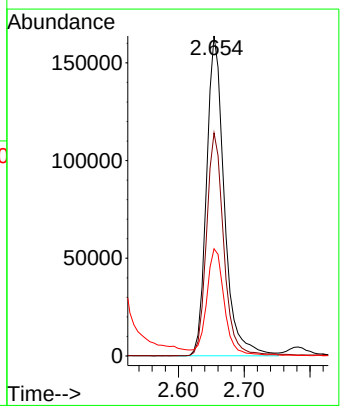


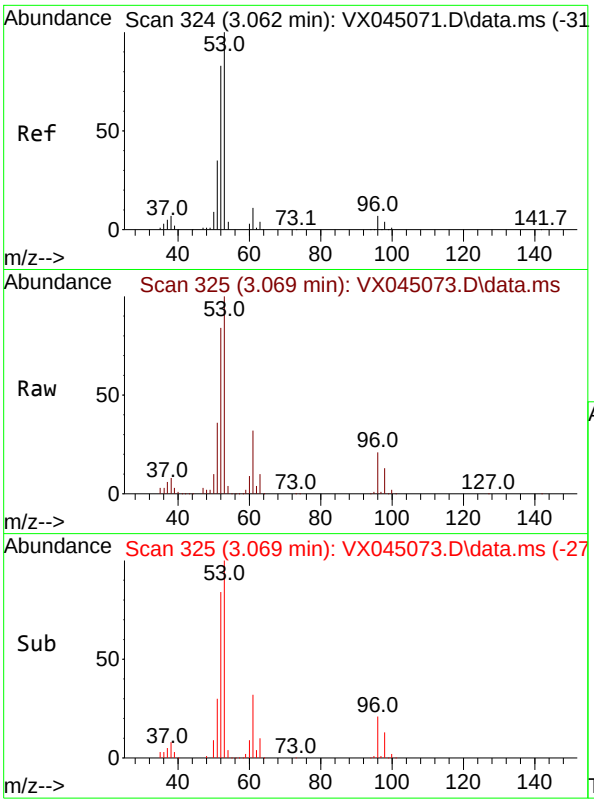


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8



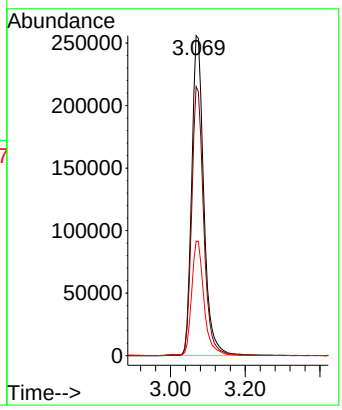


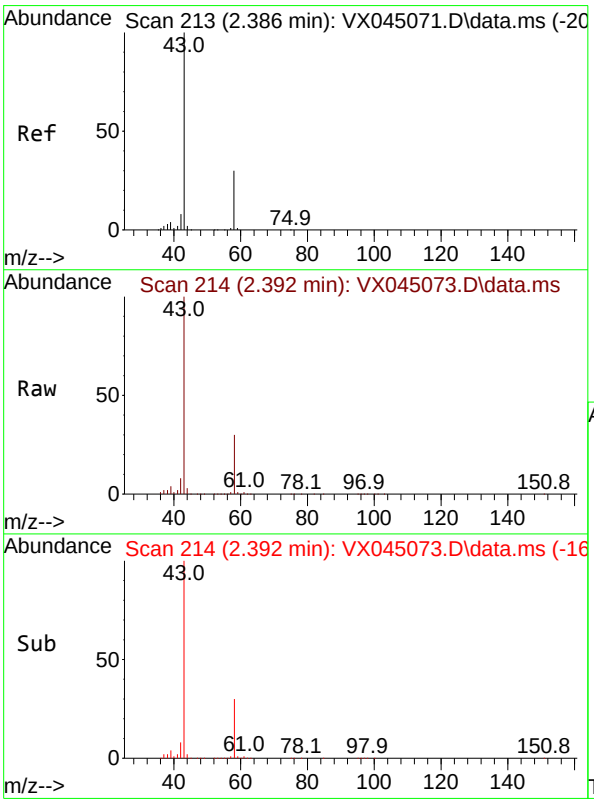
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 573208

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4

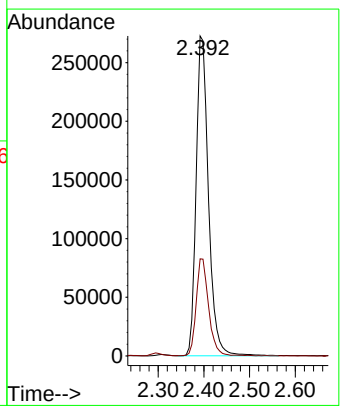


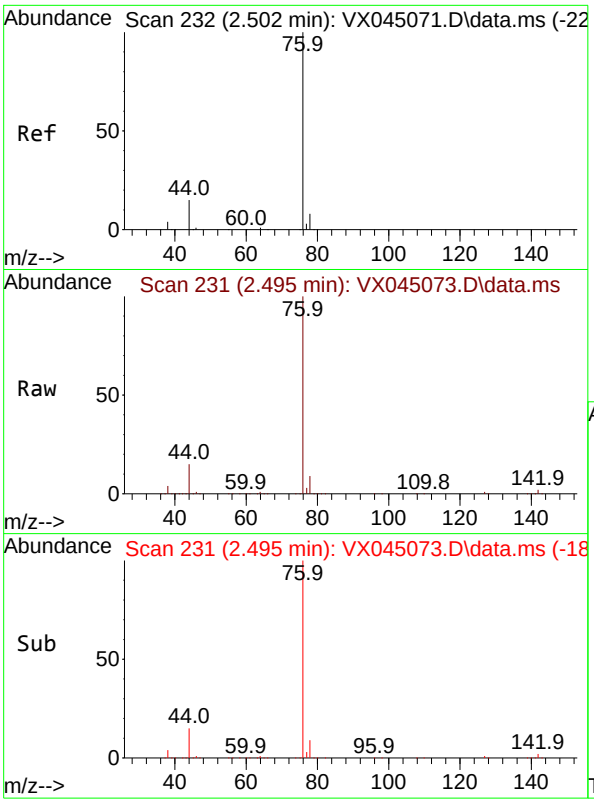


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



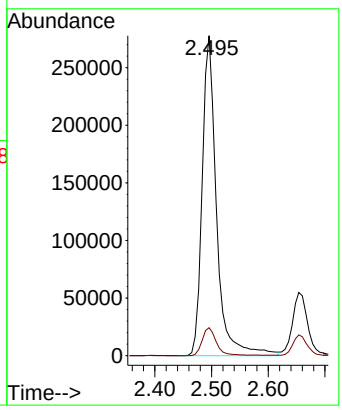


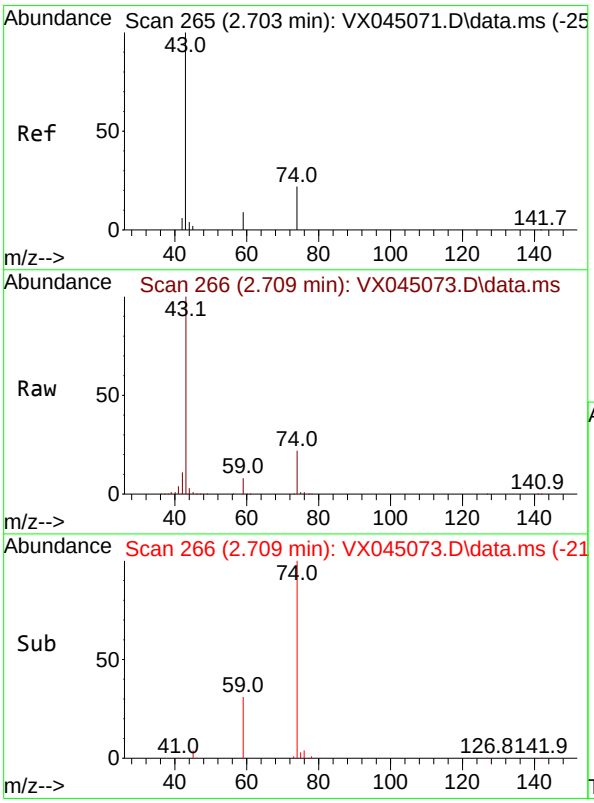
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

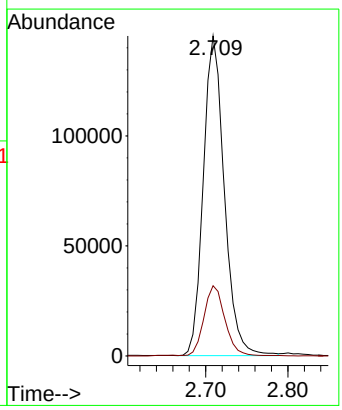


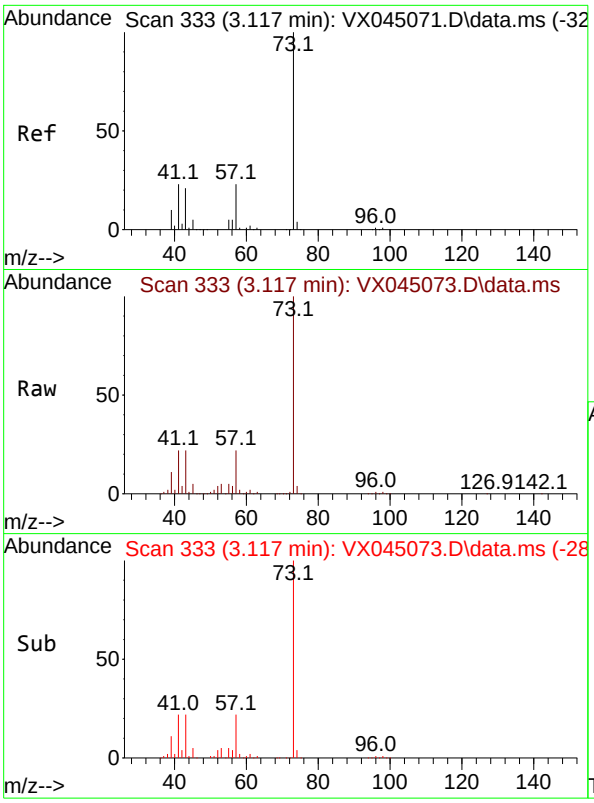


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



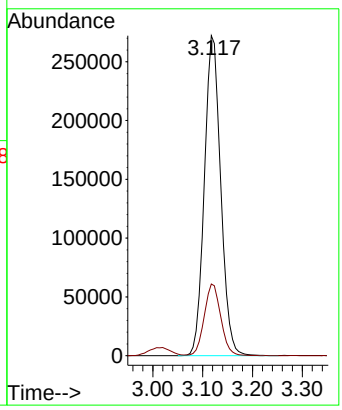


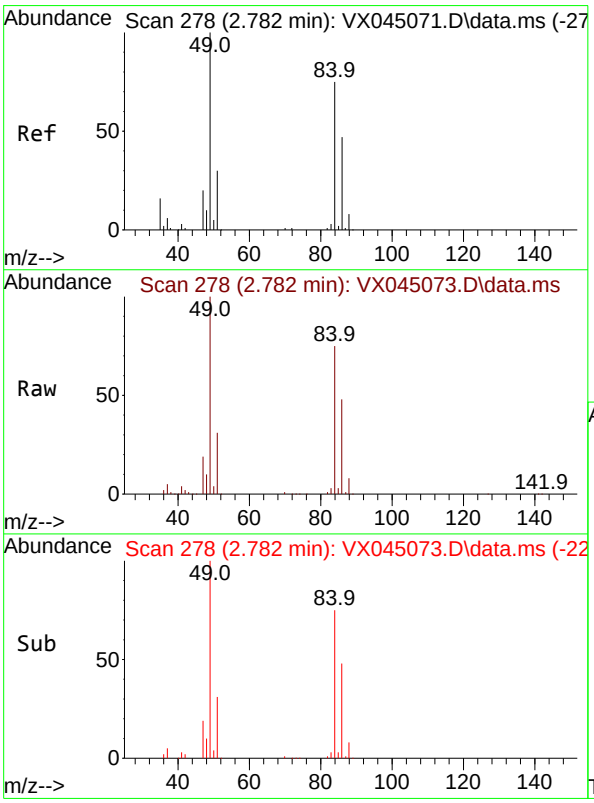
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

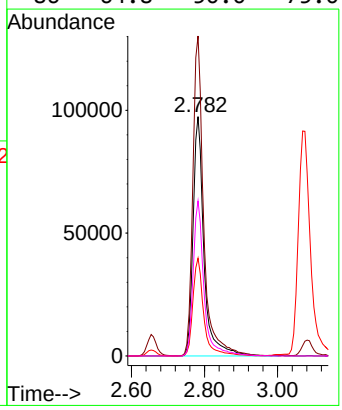


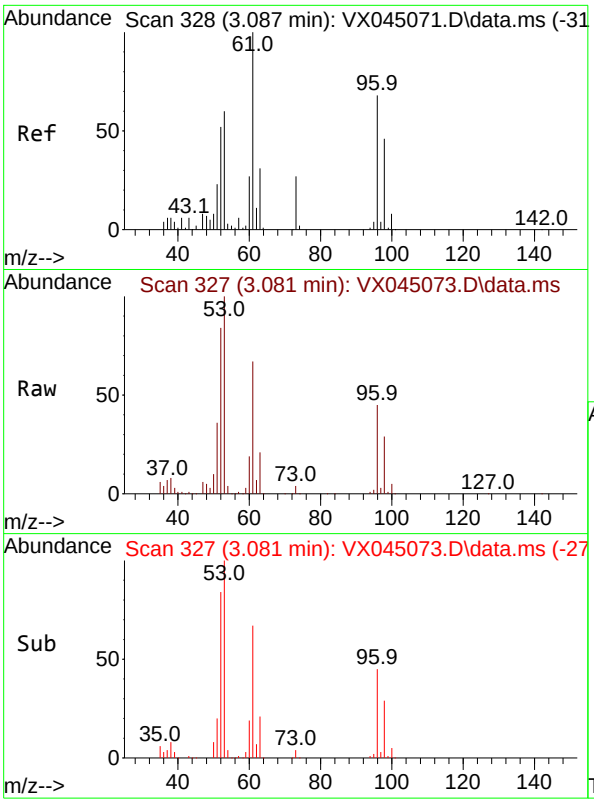


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0



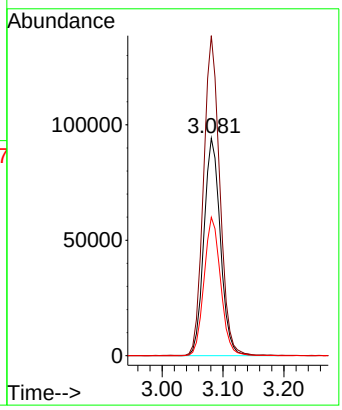


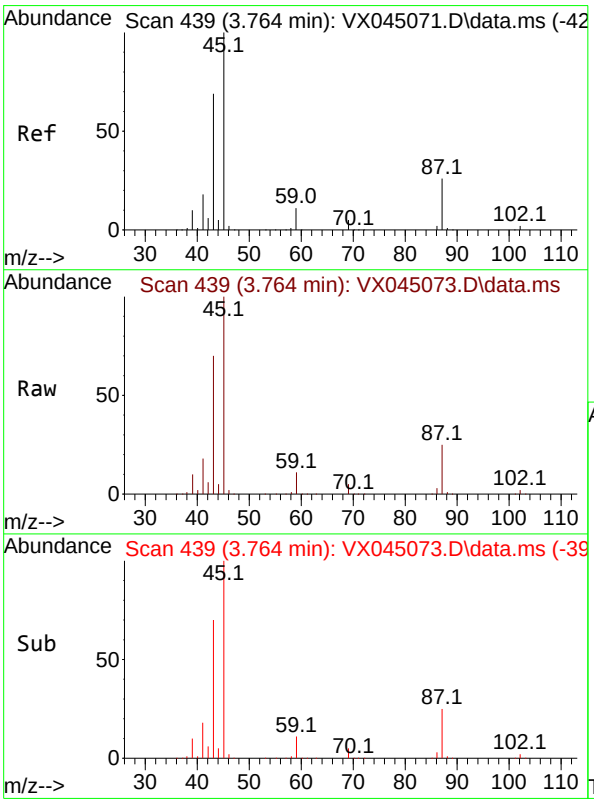
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 176924

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2

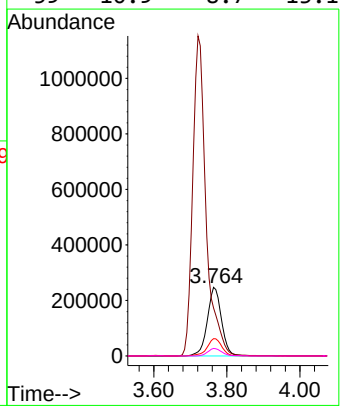


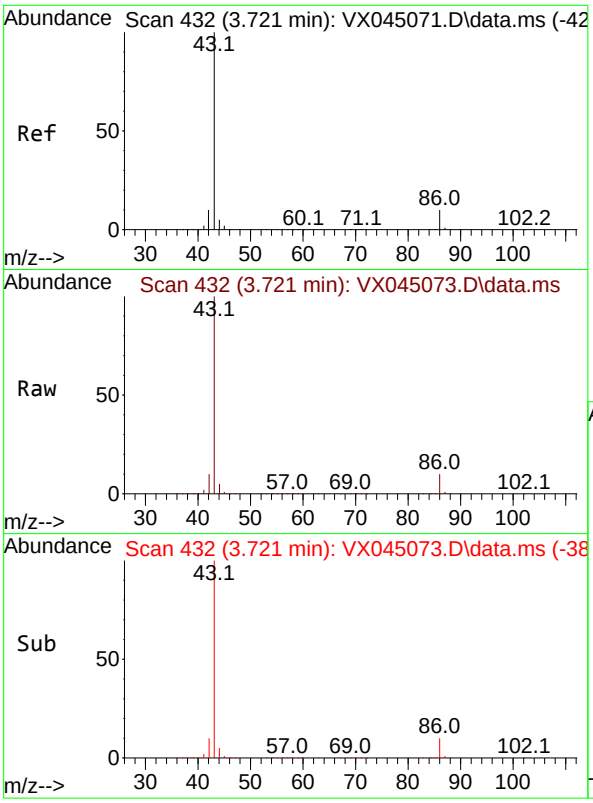


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1



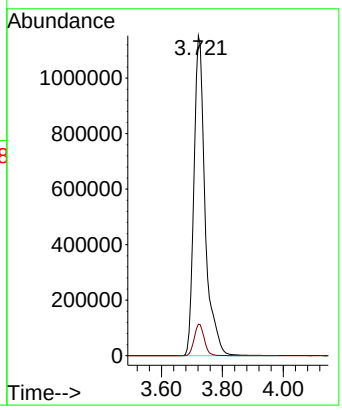


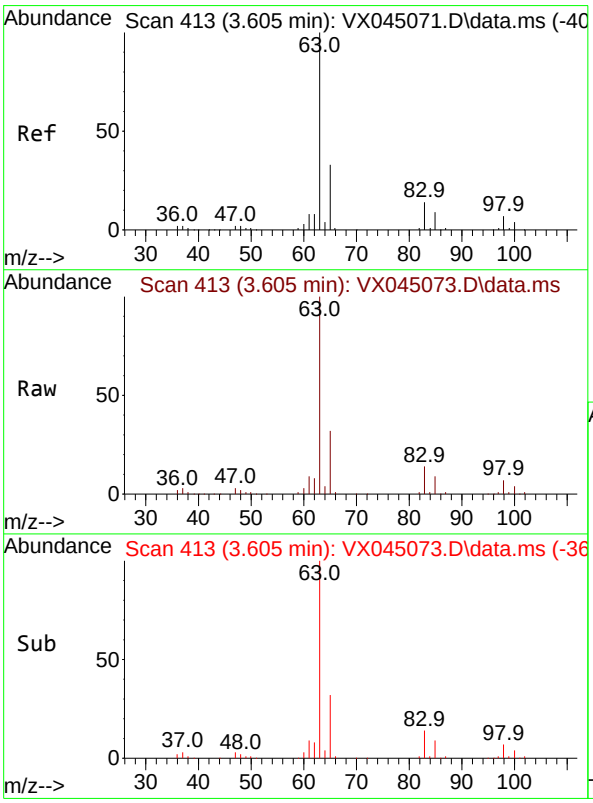
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

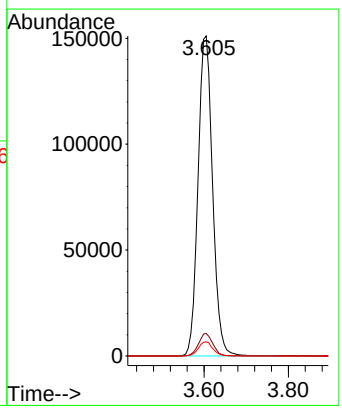


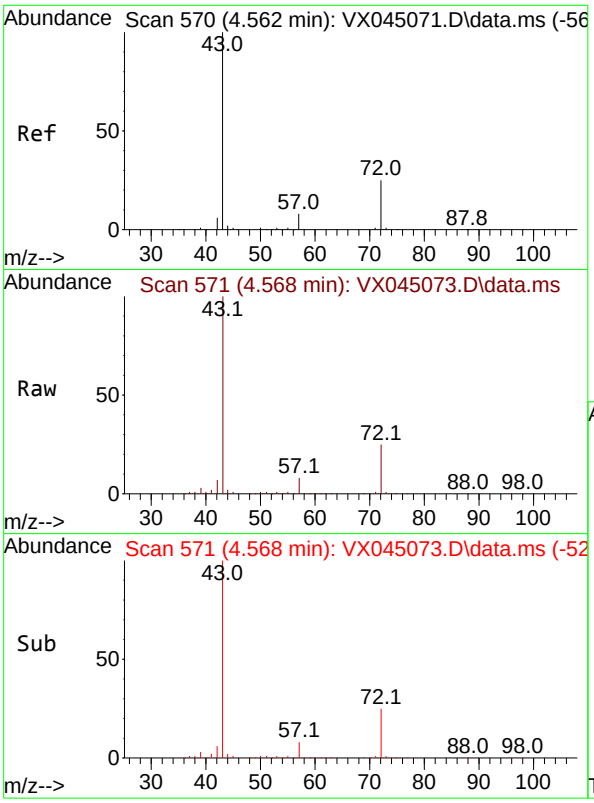


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5



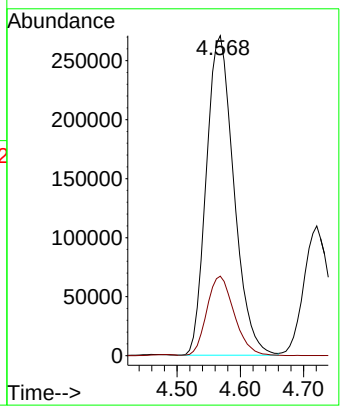


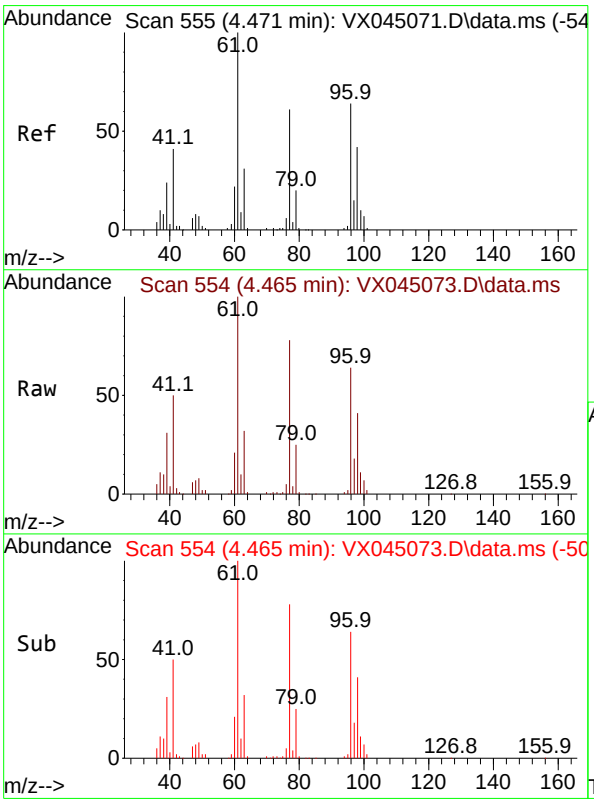
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

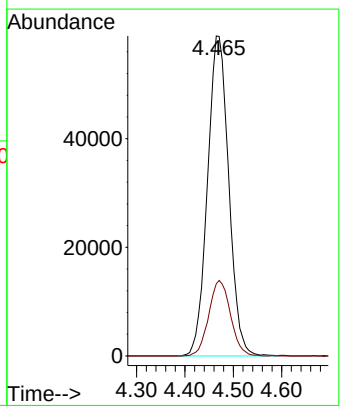


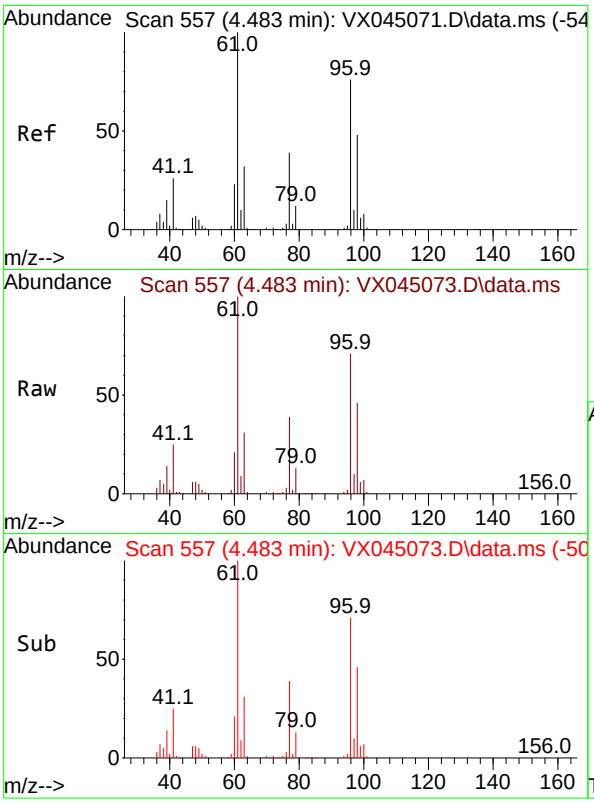


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



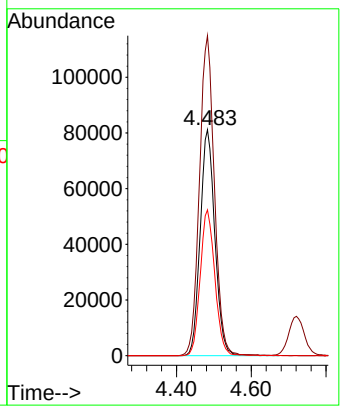


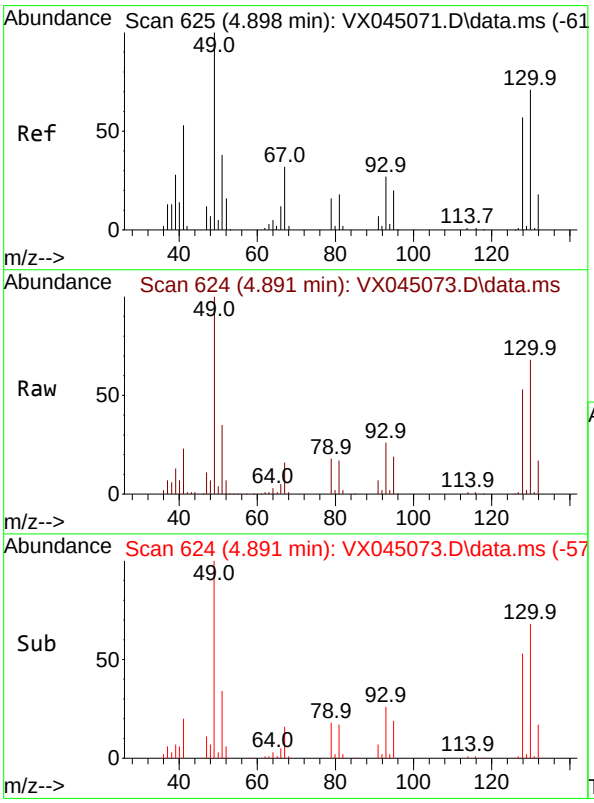
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 220826

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0

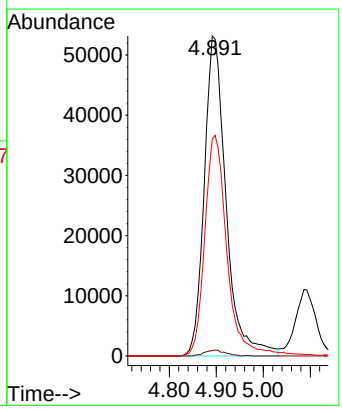


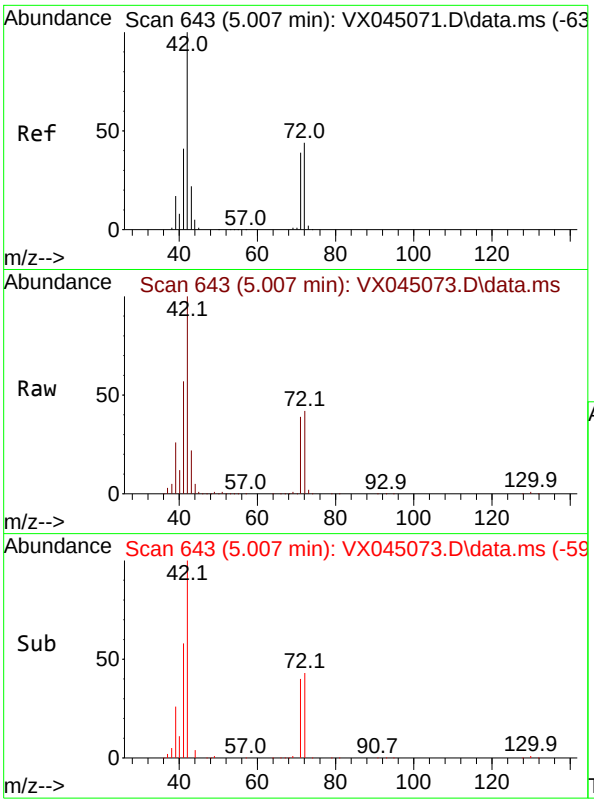


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1



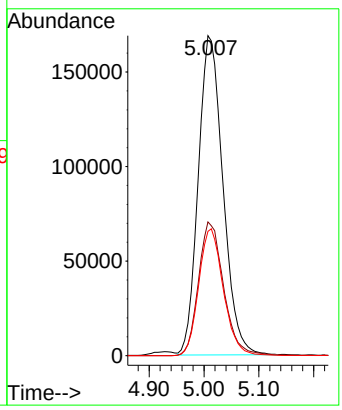


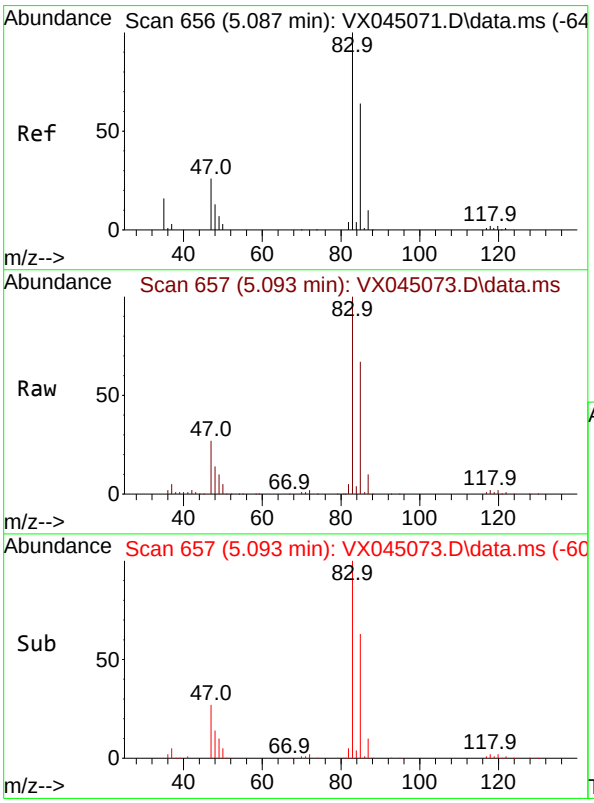
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 528574

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

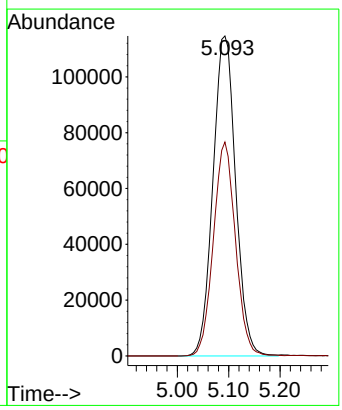


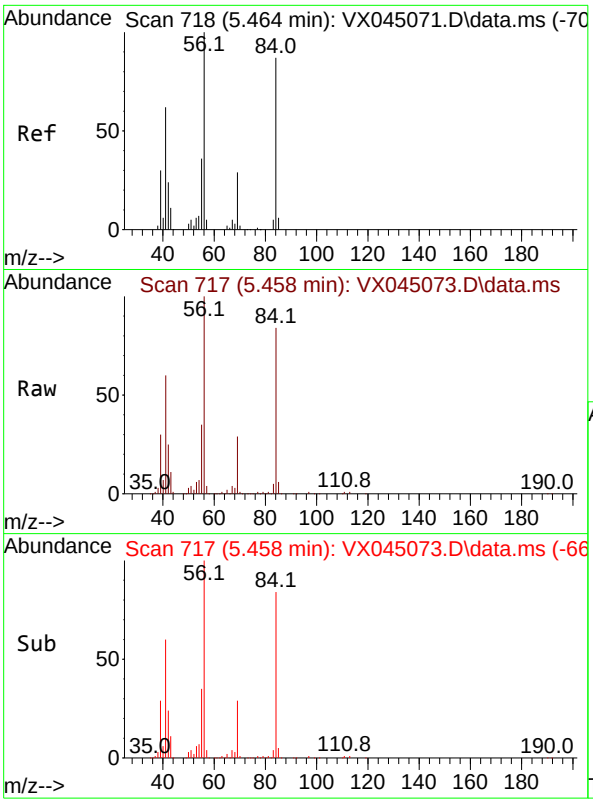


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



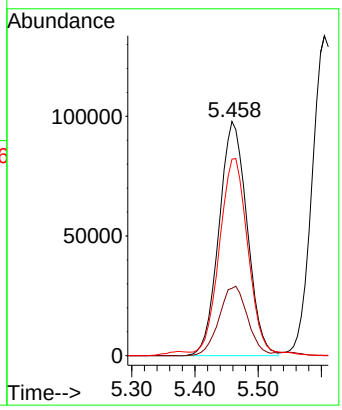


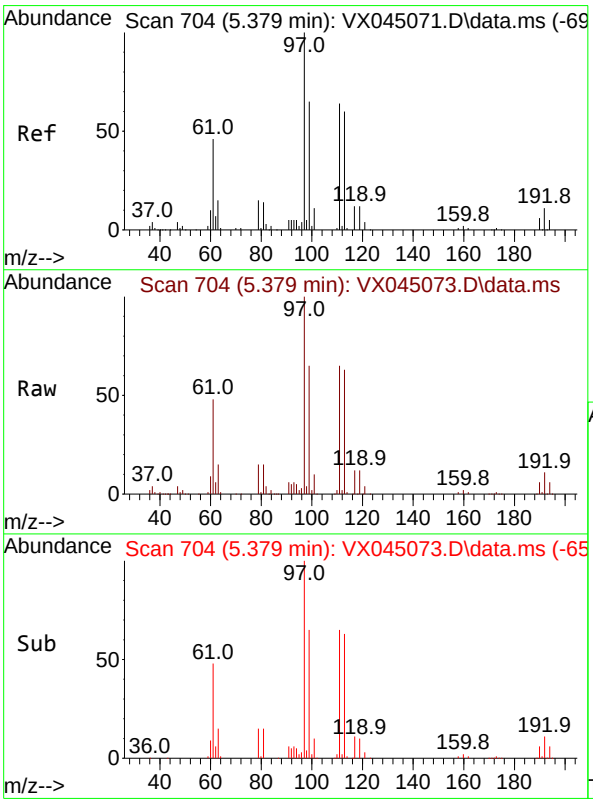
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 302215

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

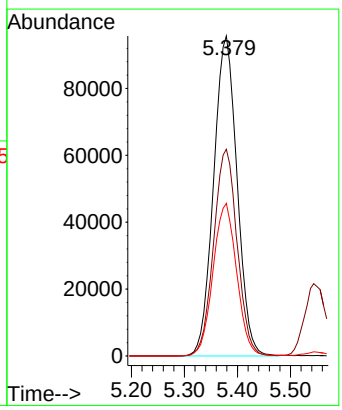


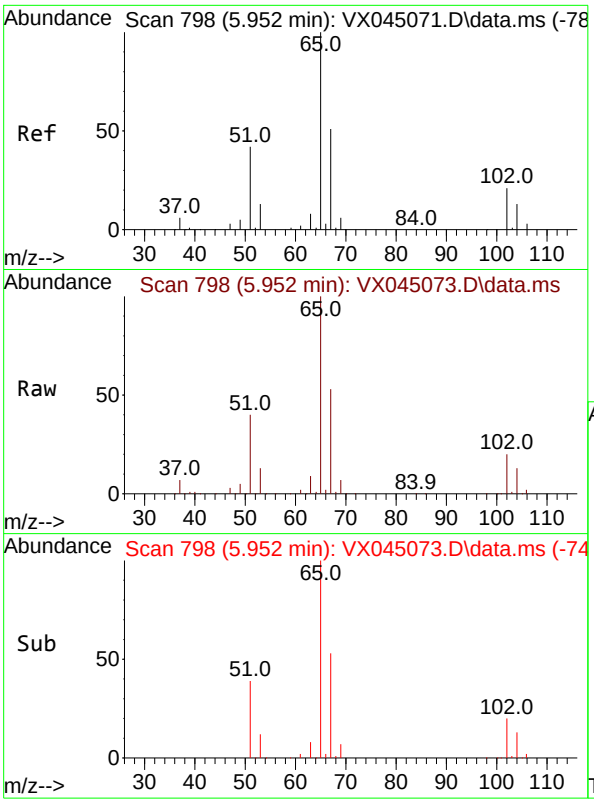


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6



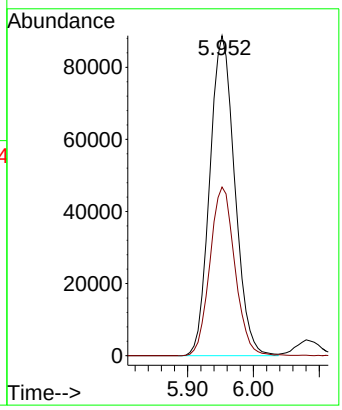


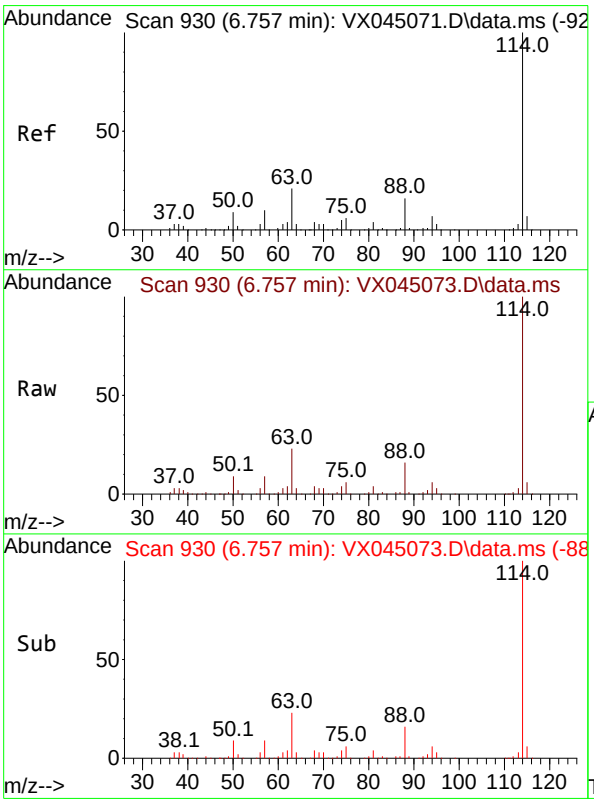
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

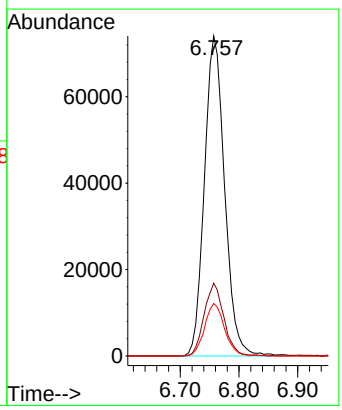


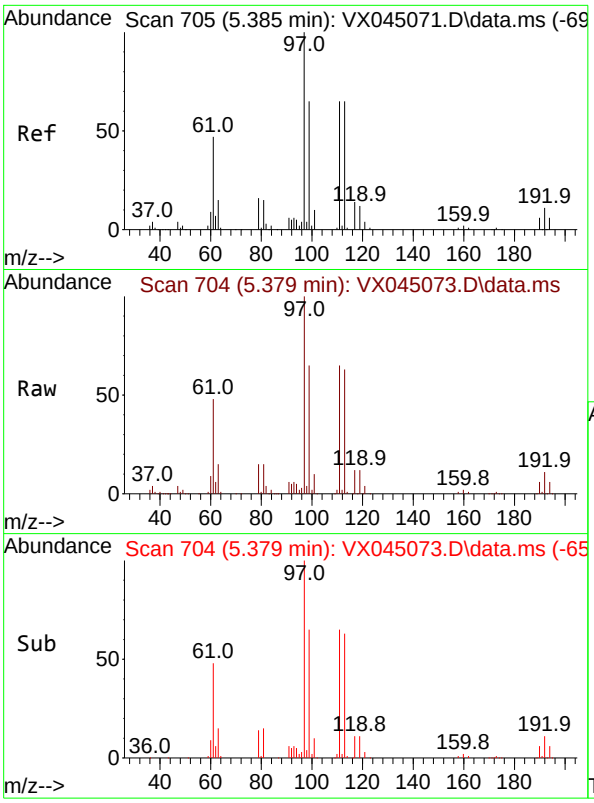


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8



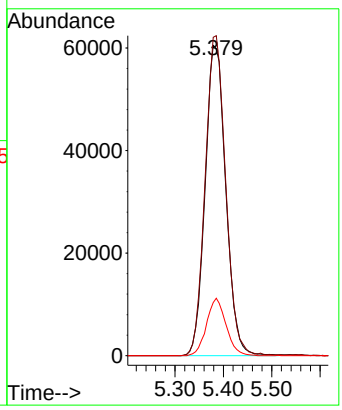


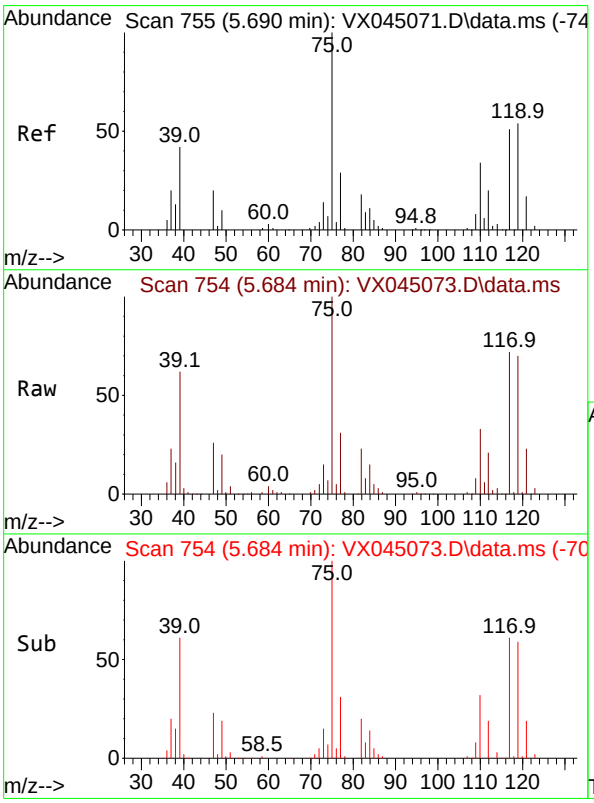
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 179722

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5

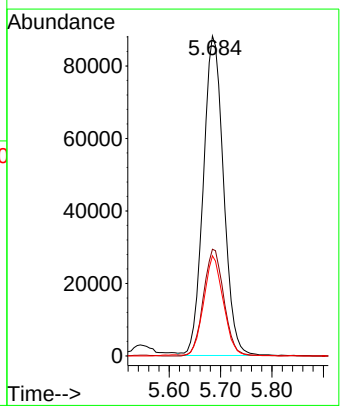


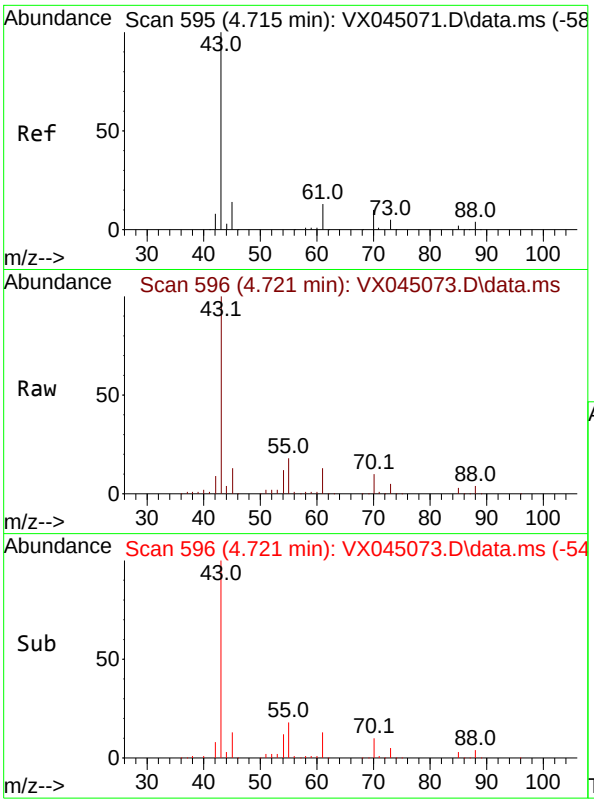


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7



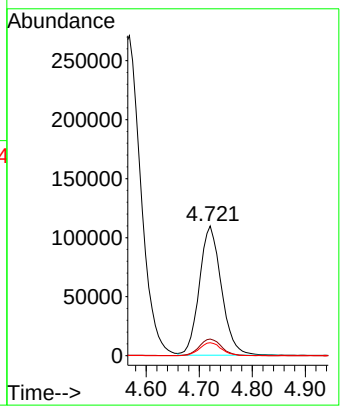


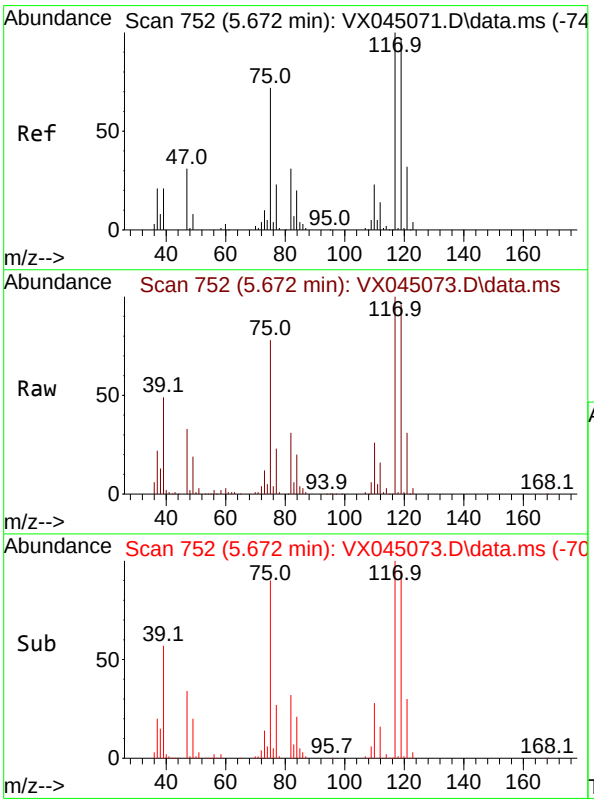
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 316250

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5

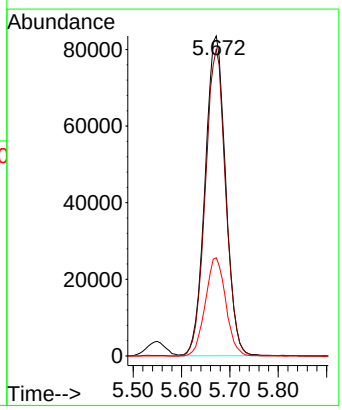


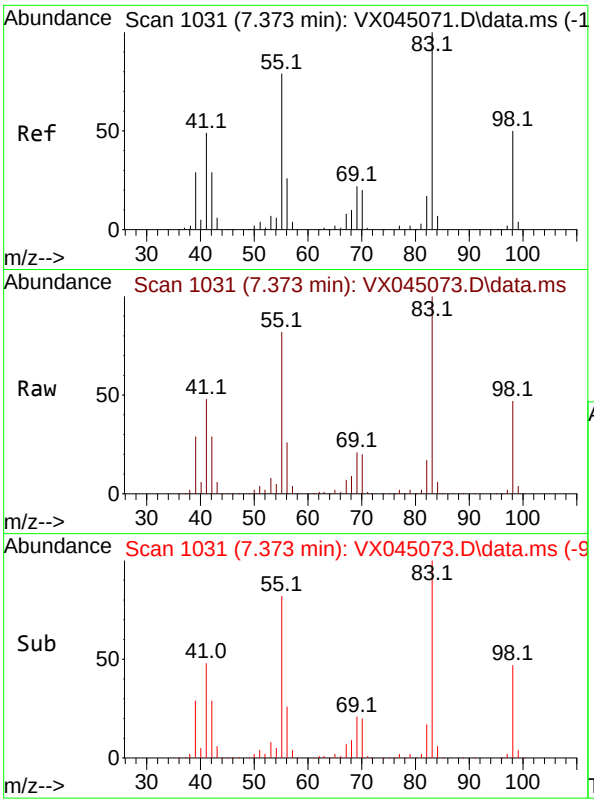


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3



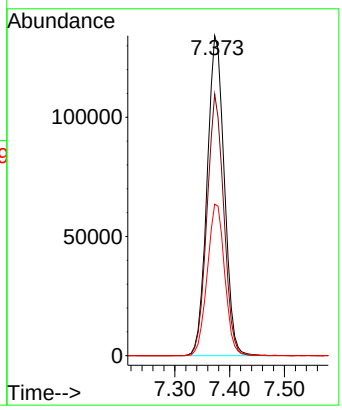


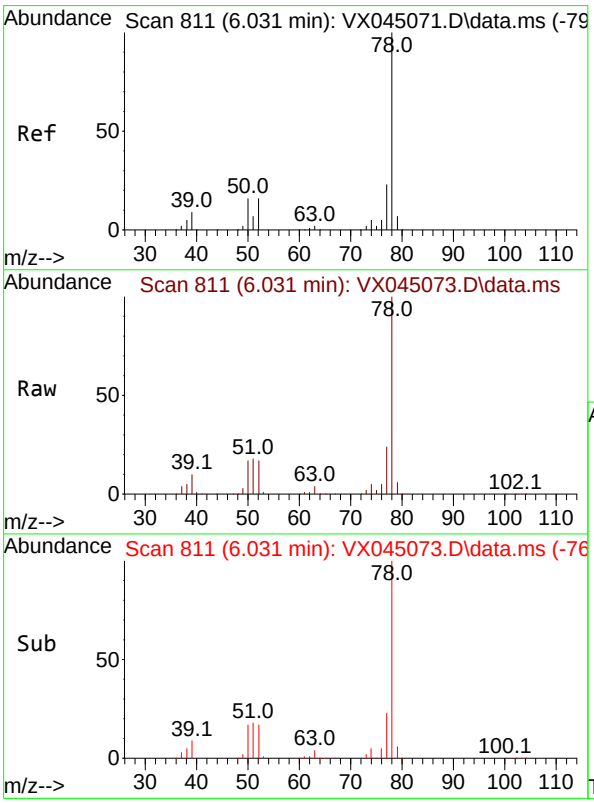
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 292216

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

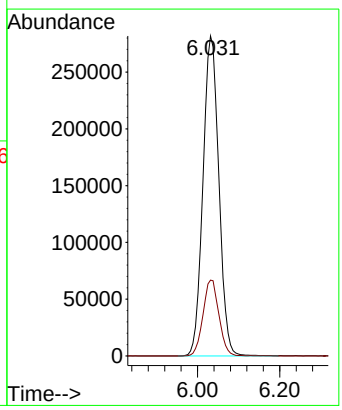


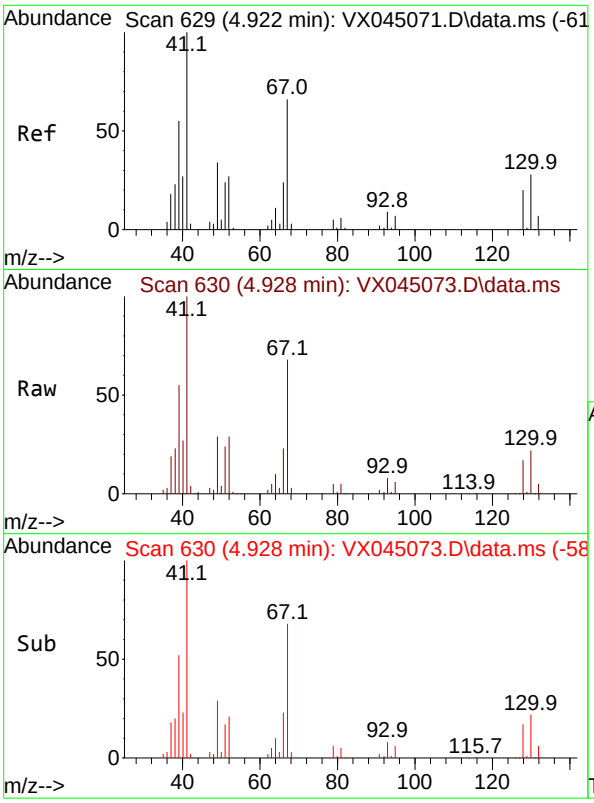


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



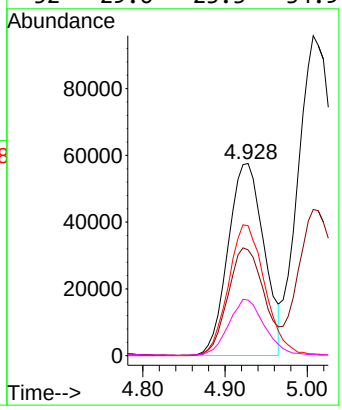


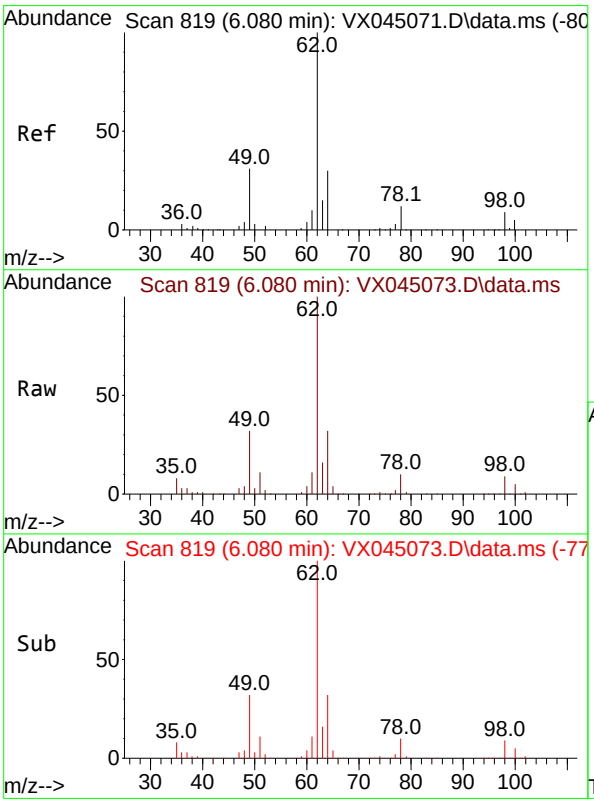
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 175023

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9

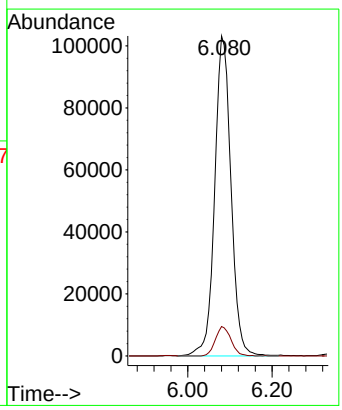


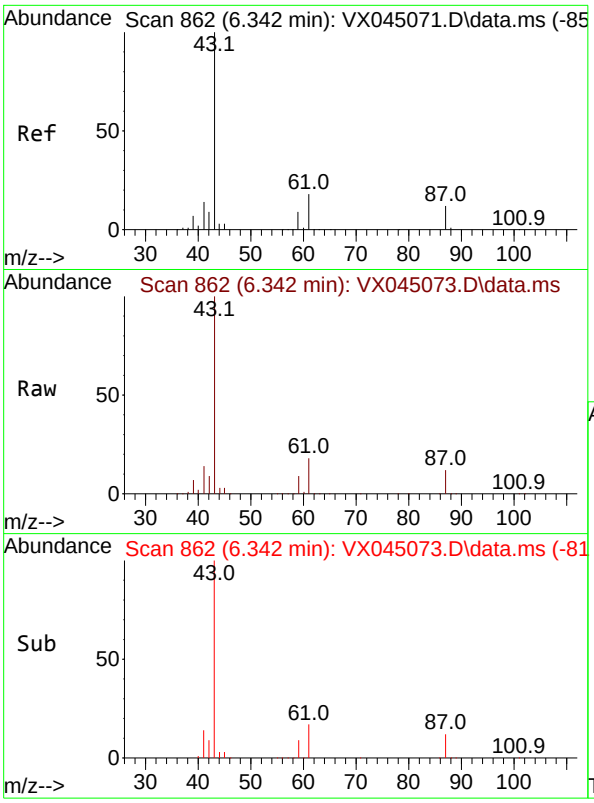


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



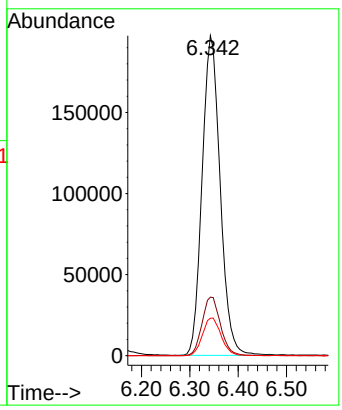


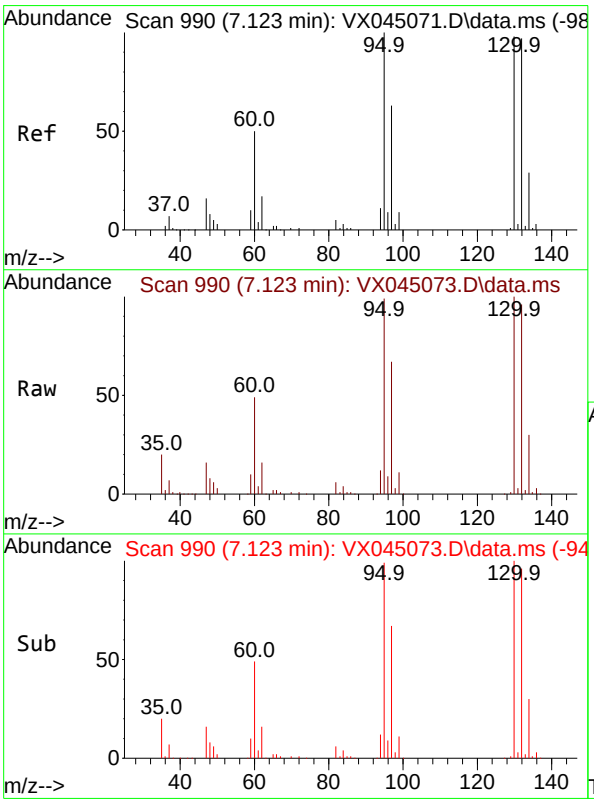
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 511643

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

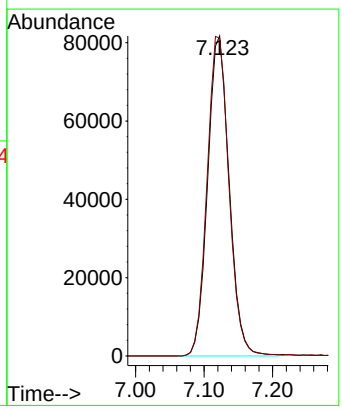


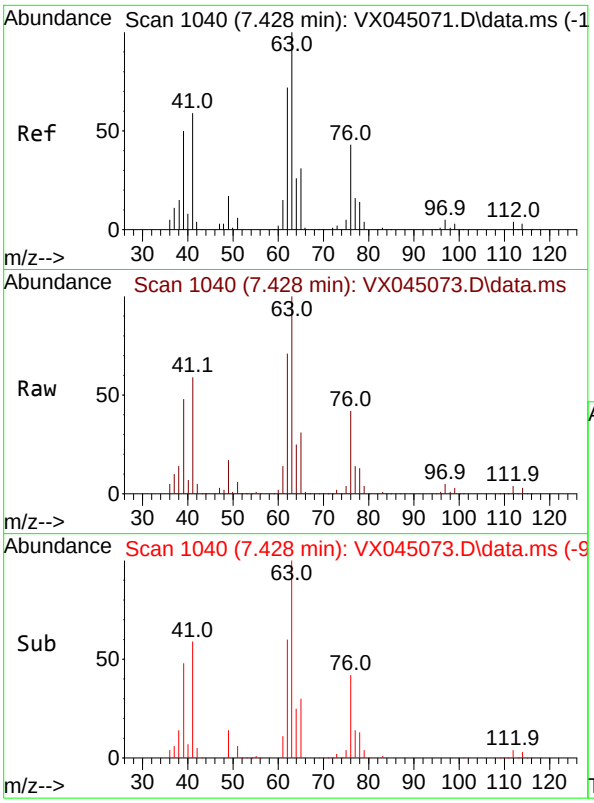


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



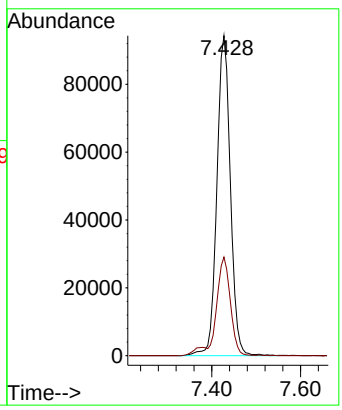


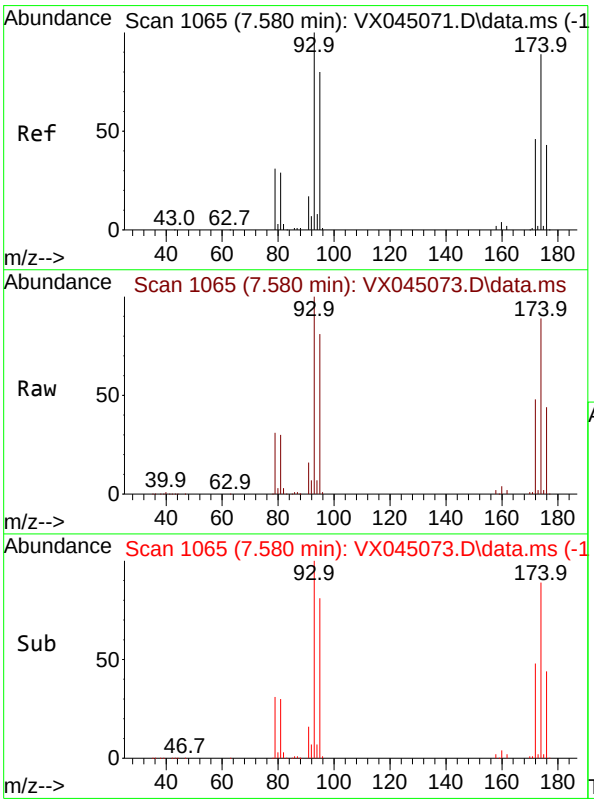
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

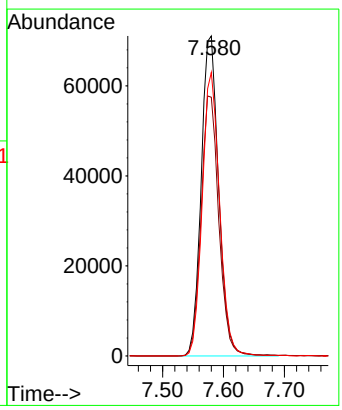


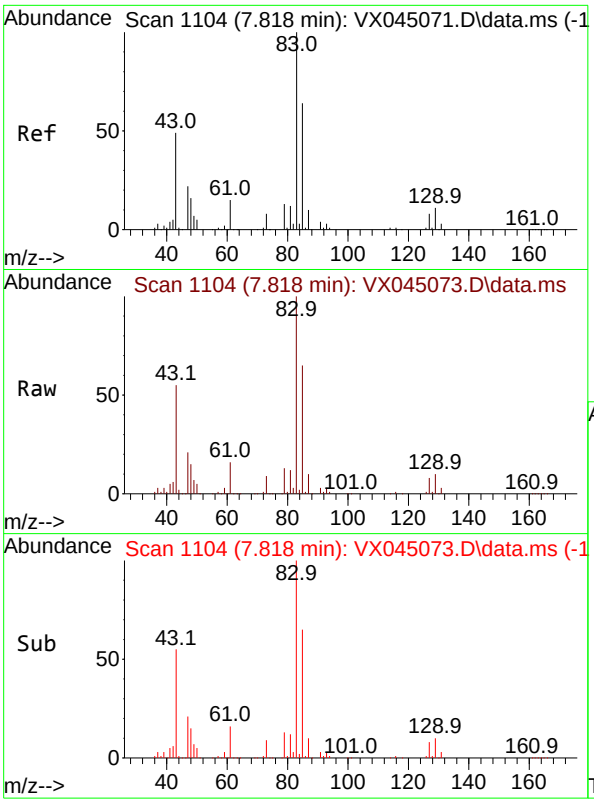


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2



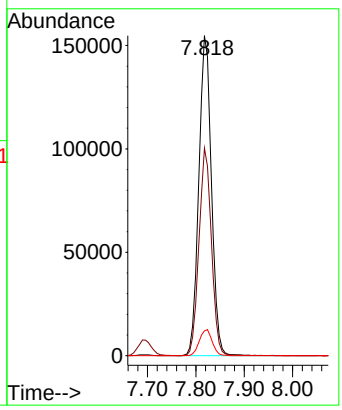


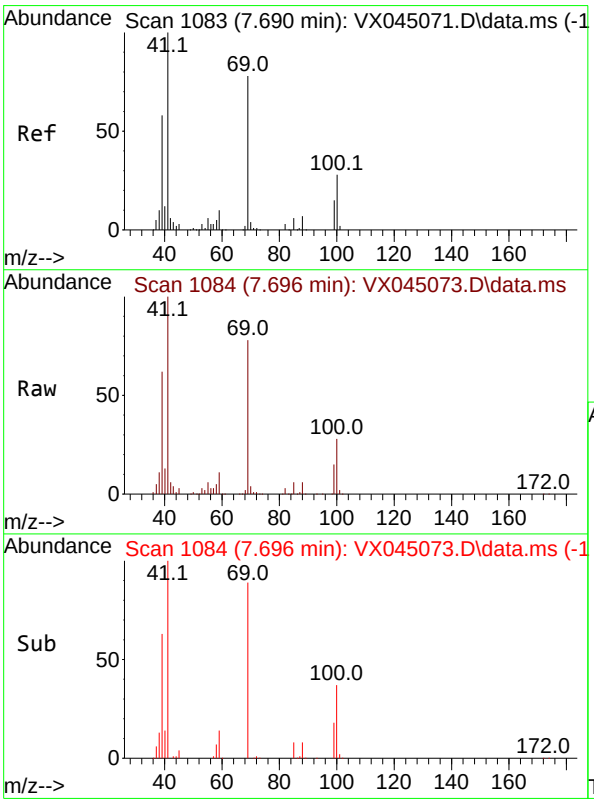
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 280255

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6

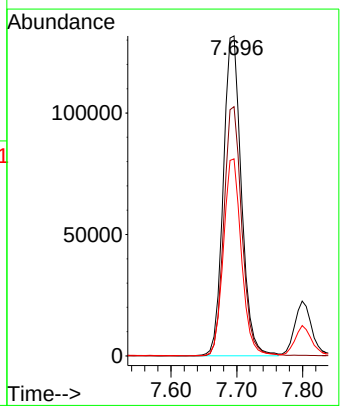


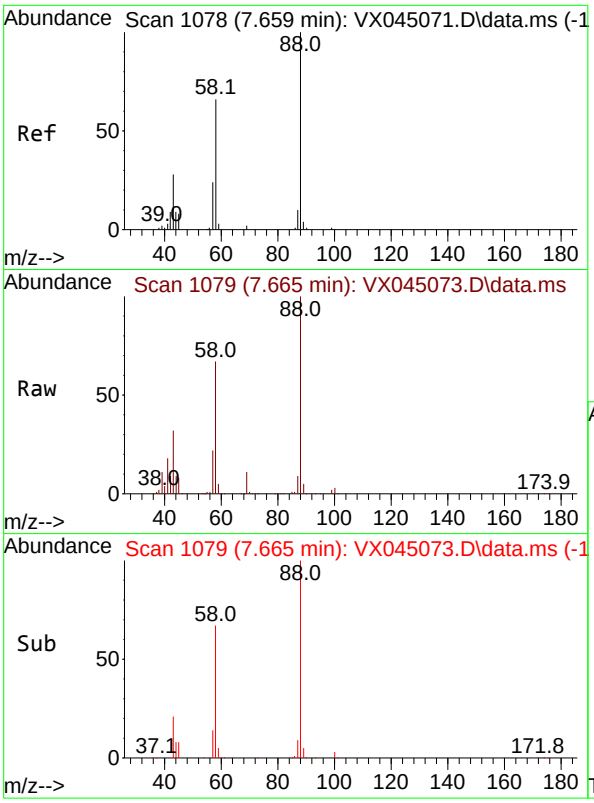


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3



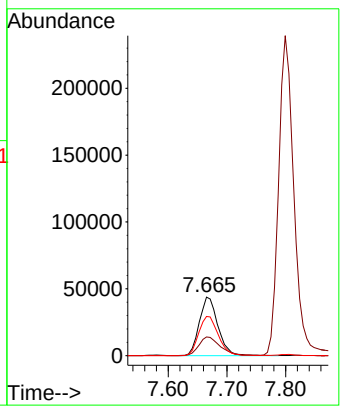


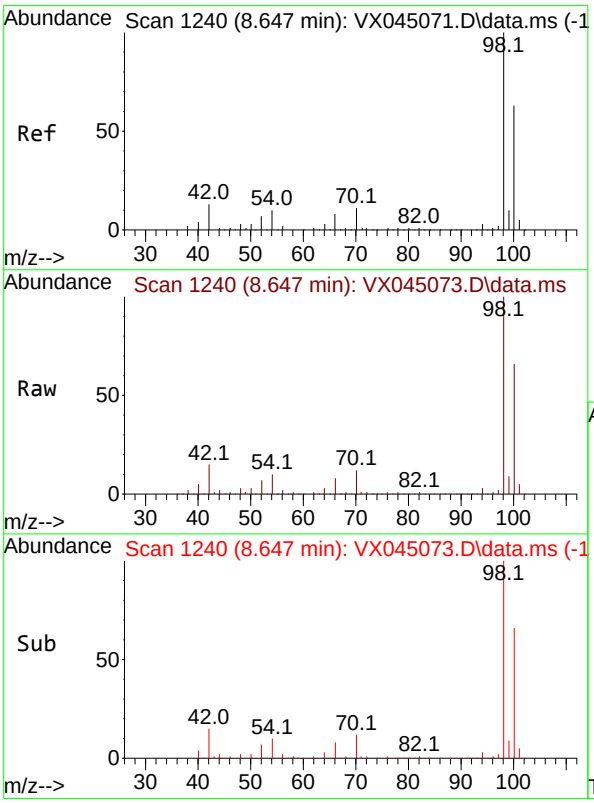
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 96268

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8

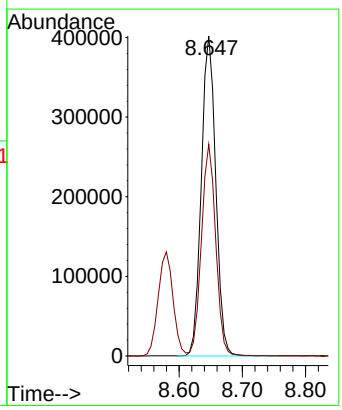


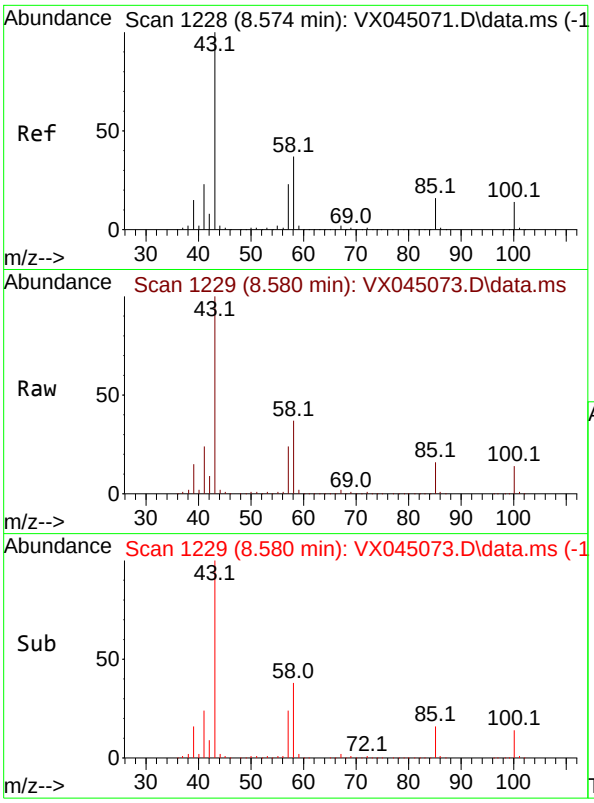


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



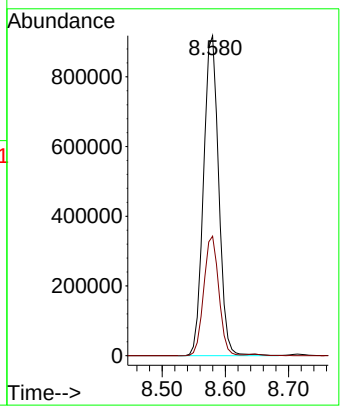


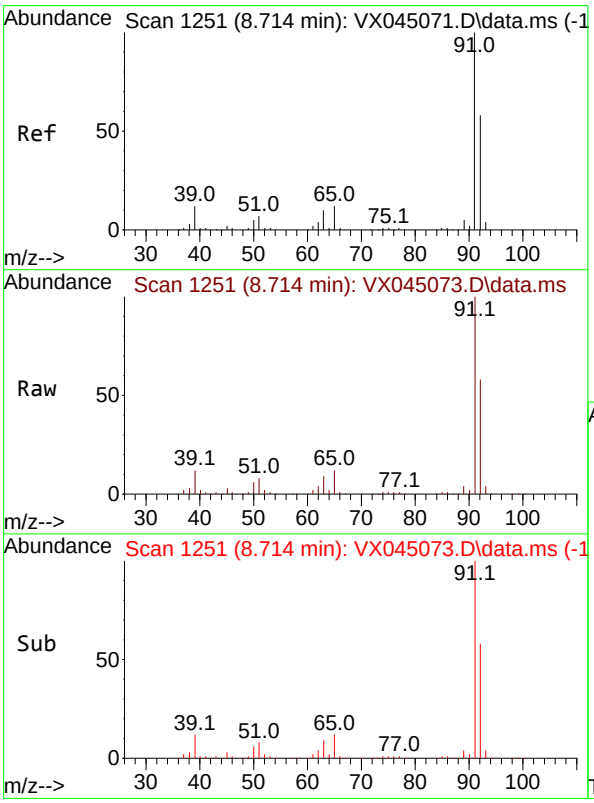
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

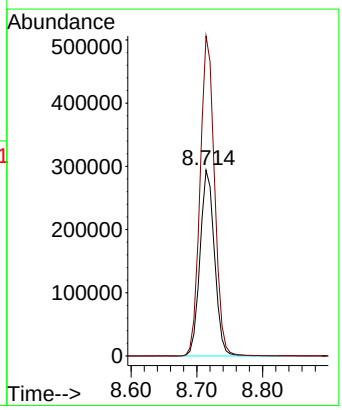


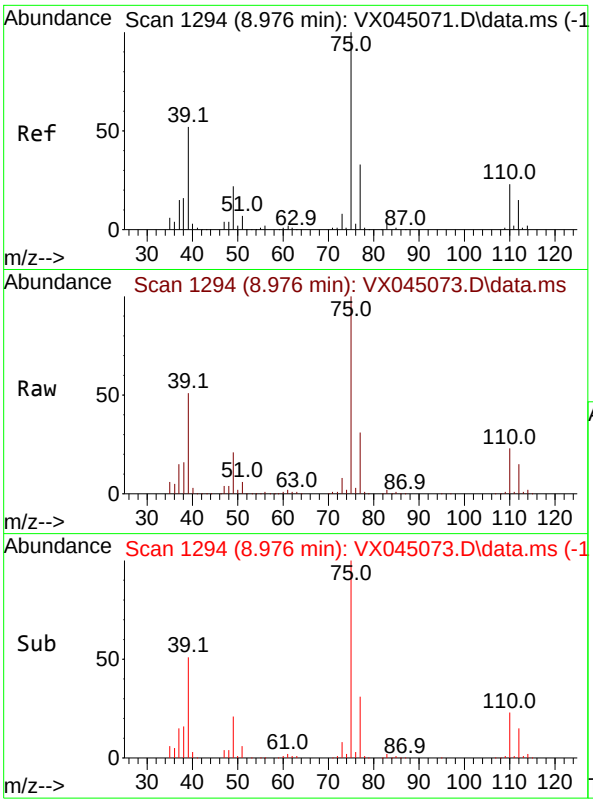


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



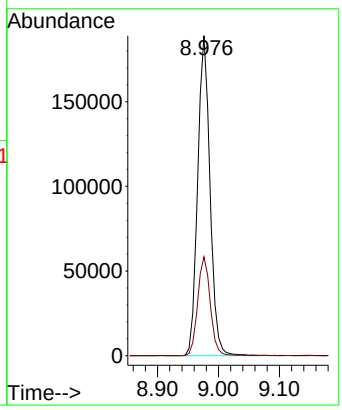


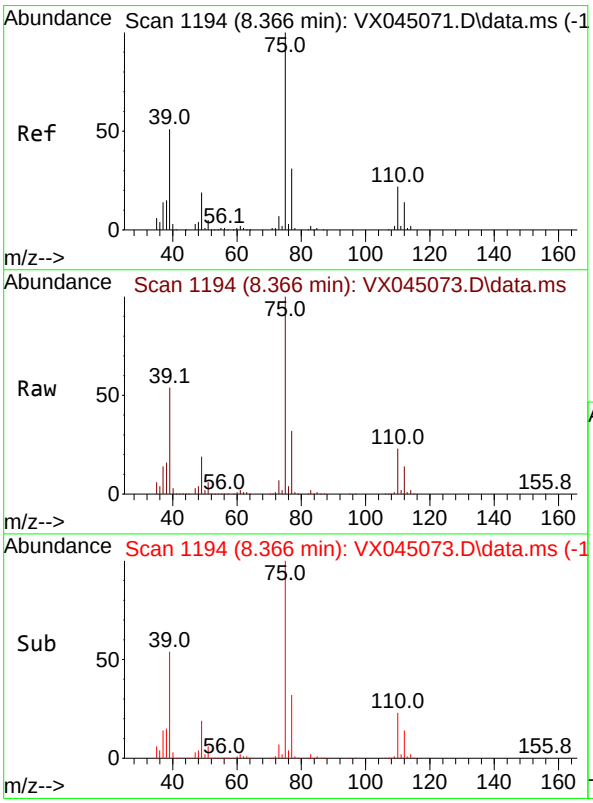
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

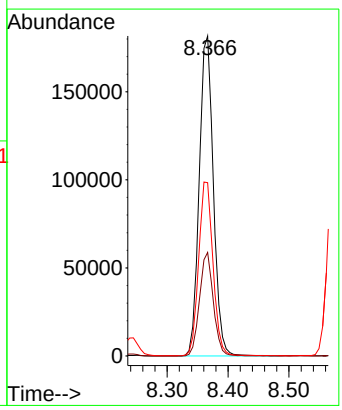


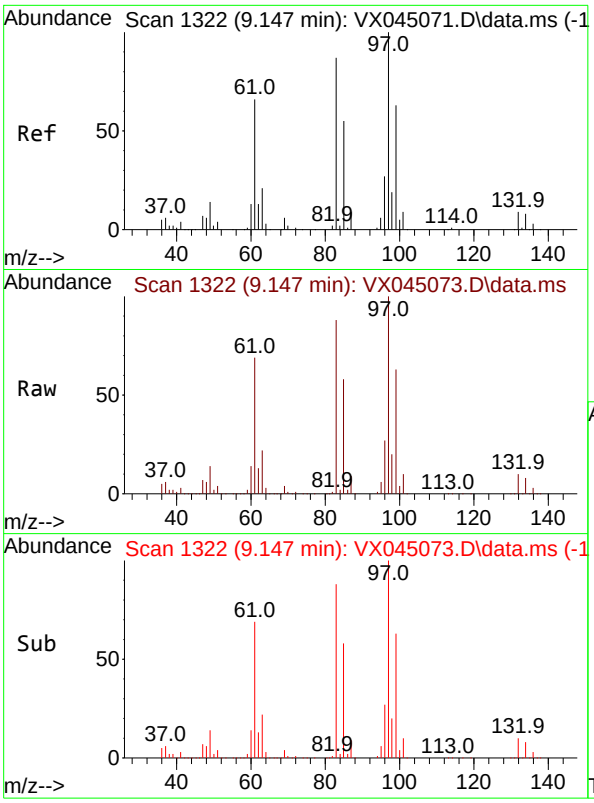


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1



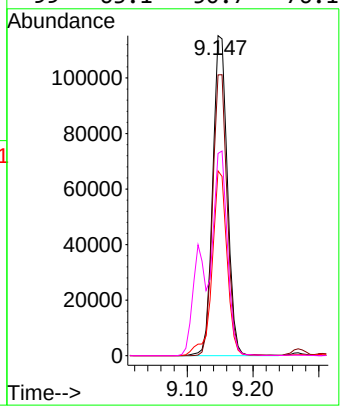


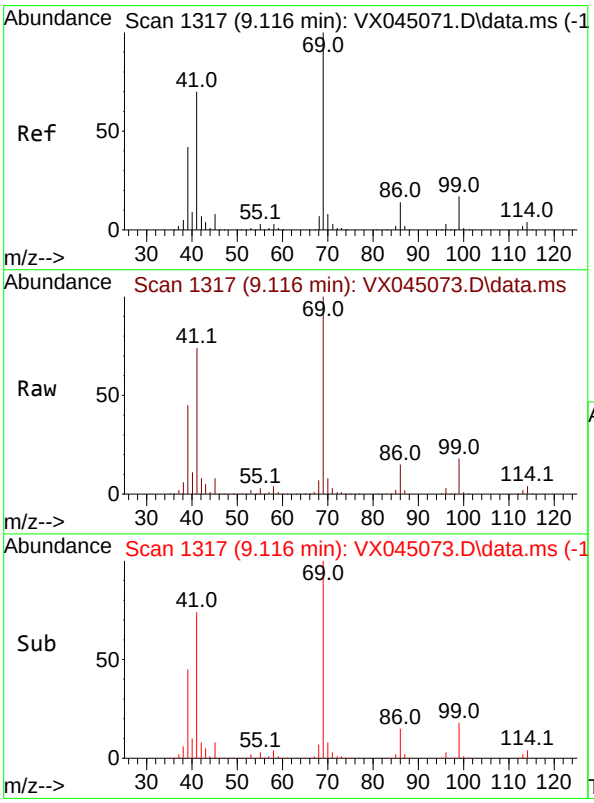
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 178217

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

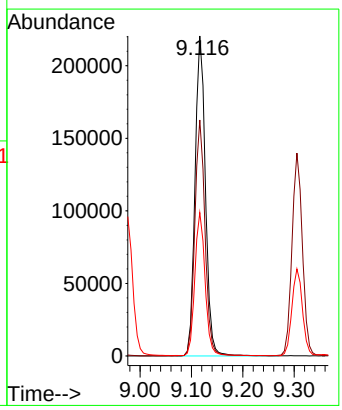


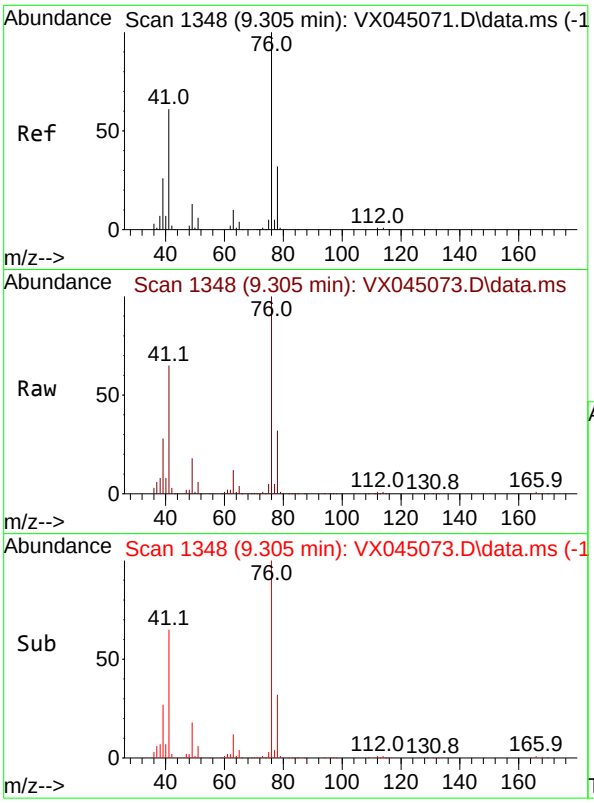


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4



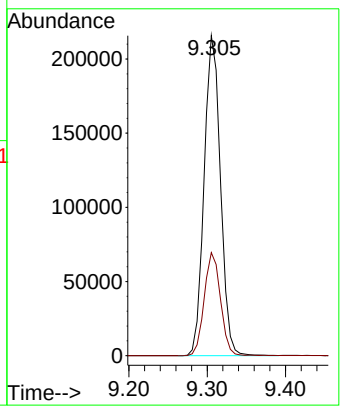


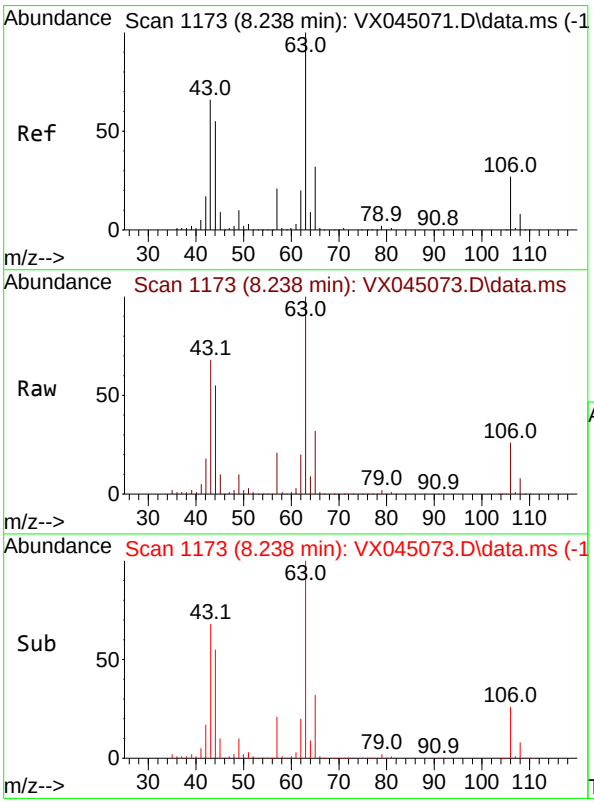
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

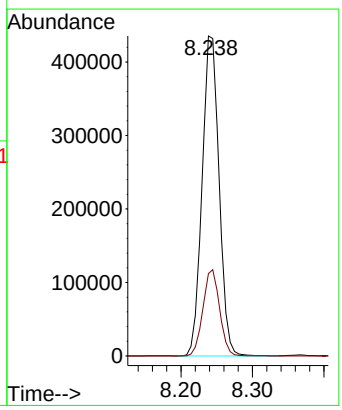


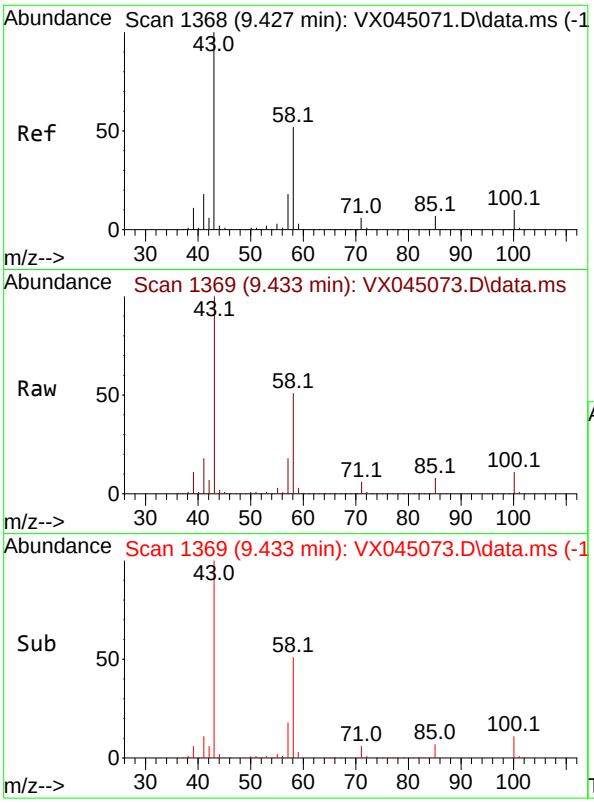


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



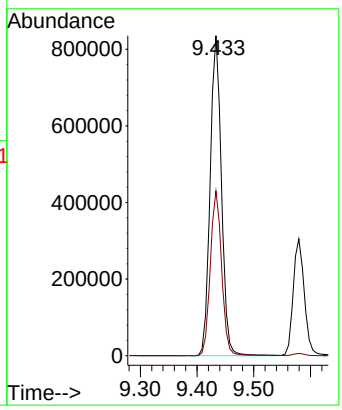


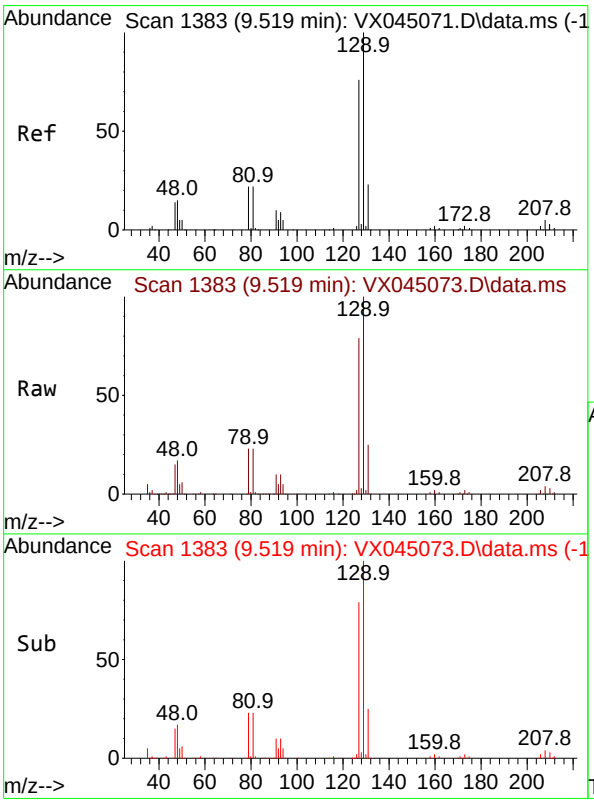
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

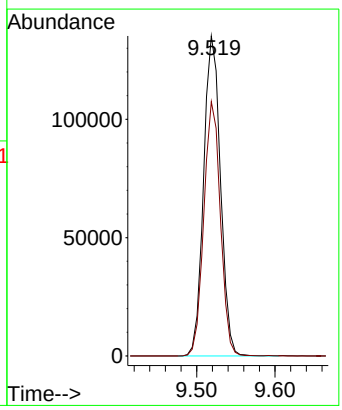


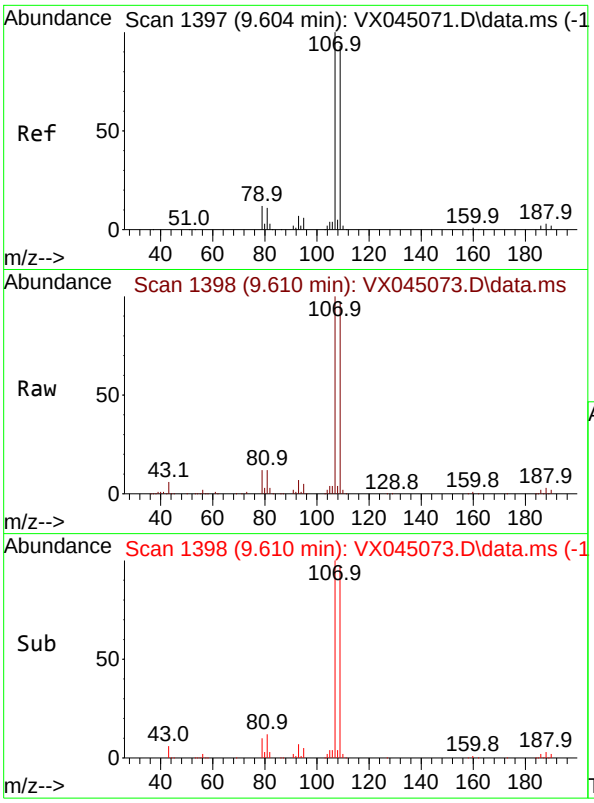


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



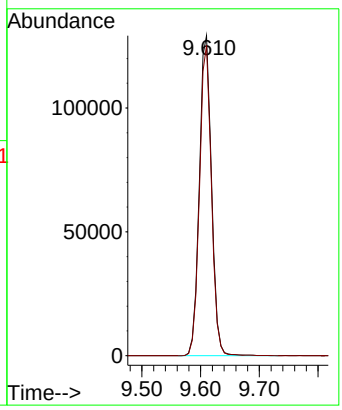


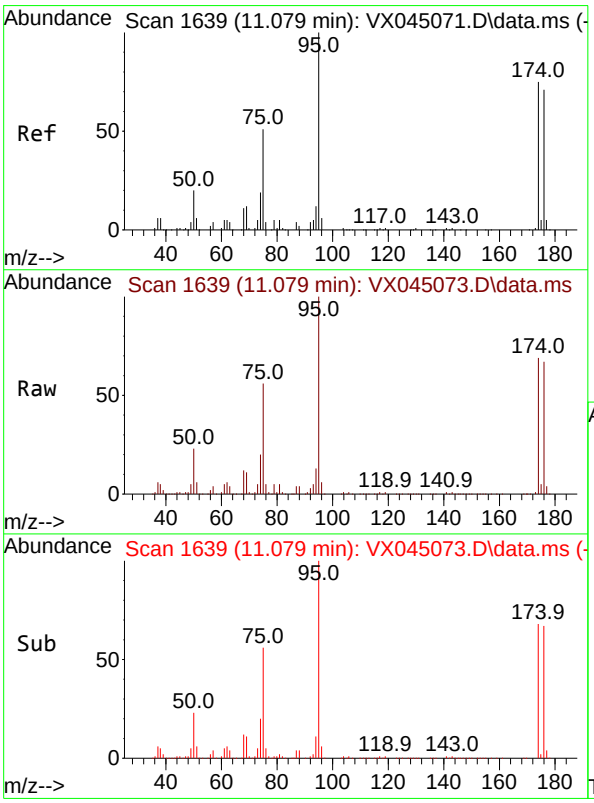
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

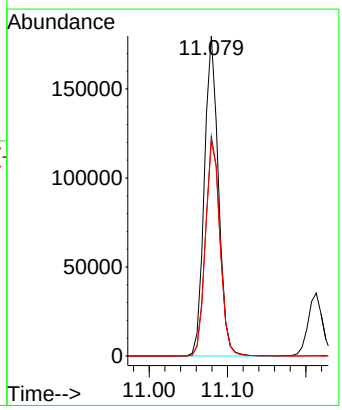


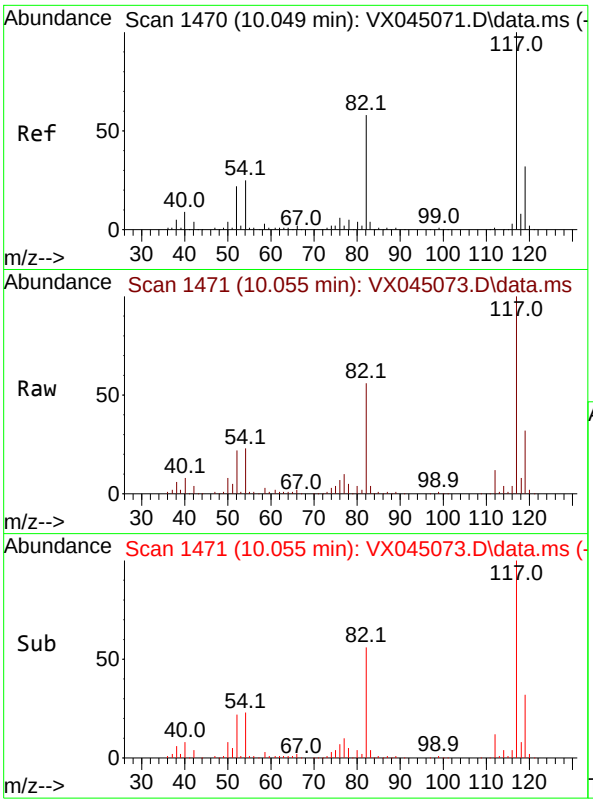


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4



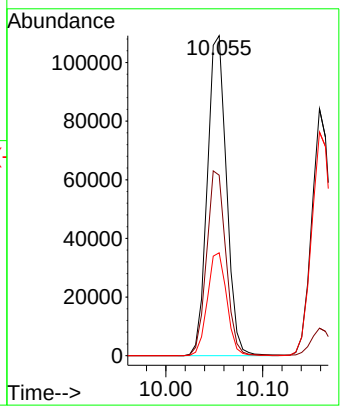


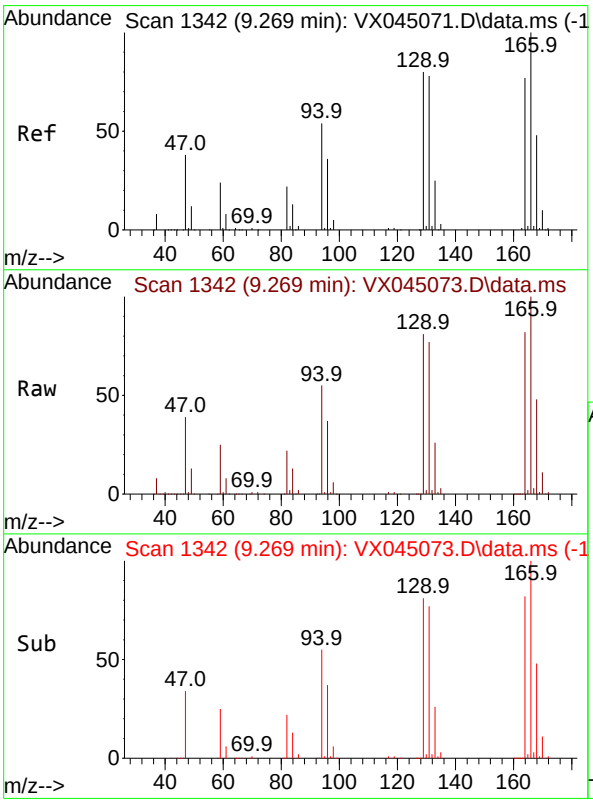
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 150547

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5

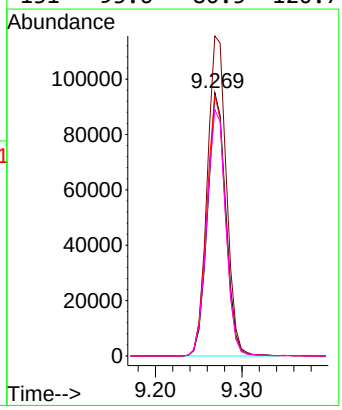


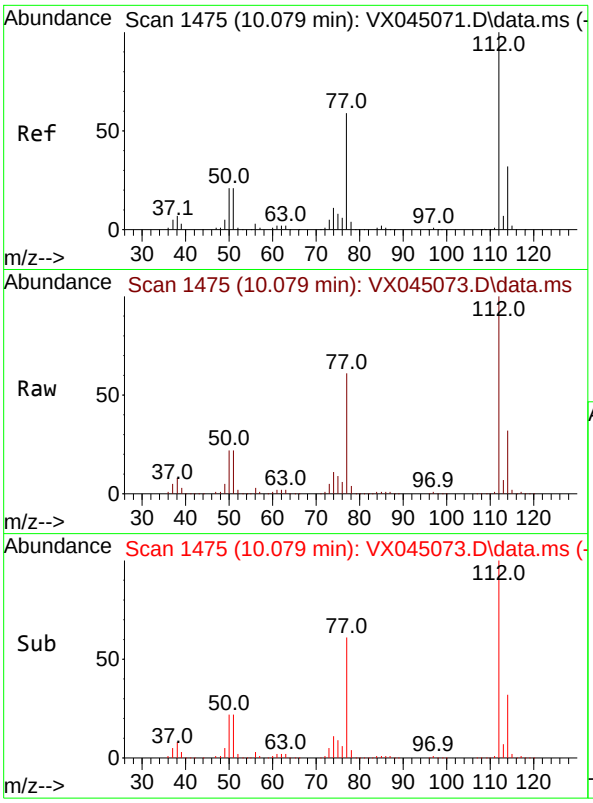


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7



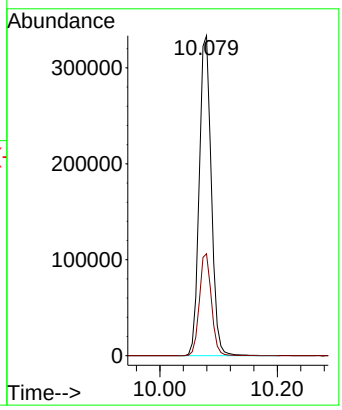


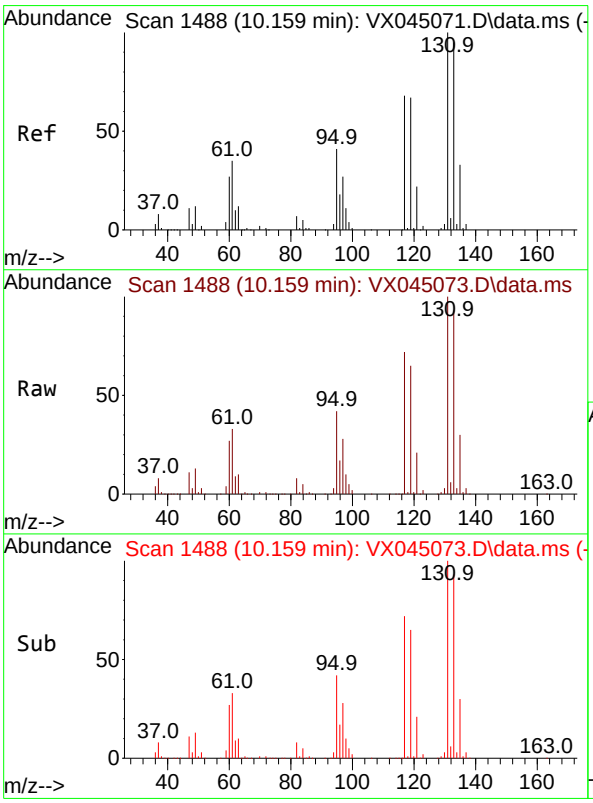
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

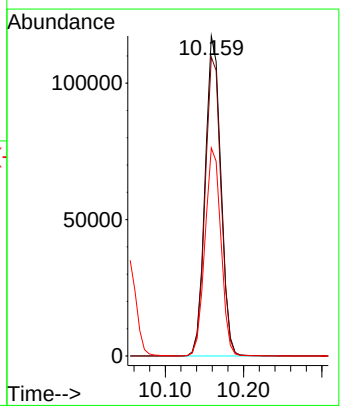


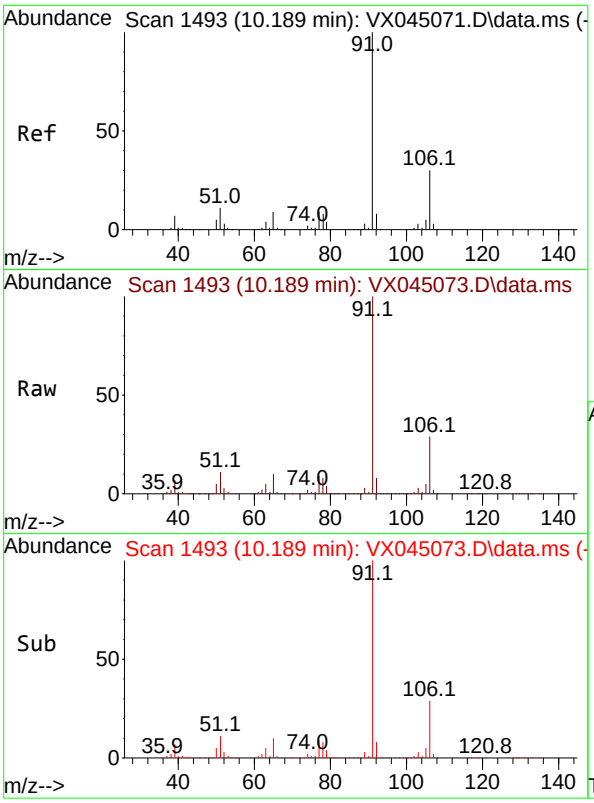


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7



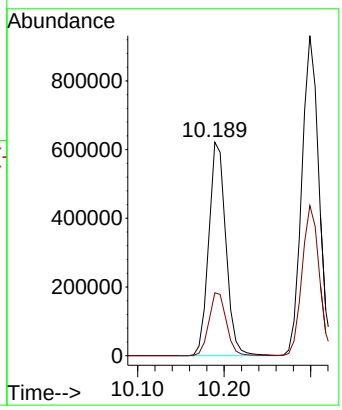


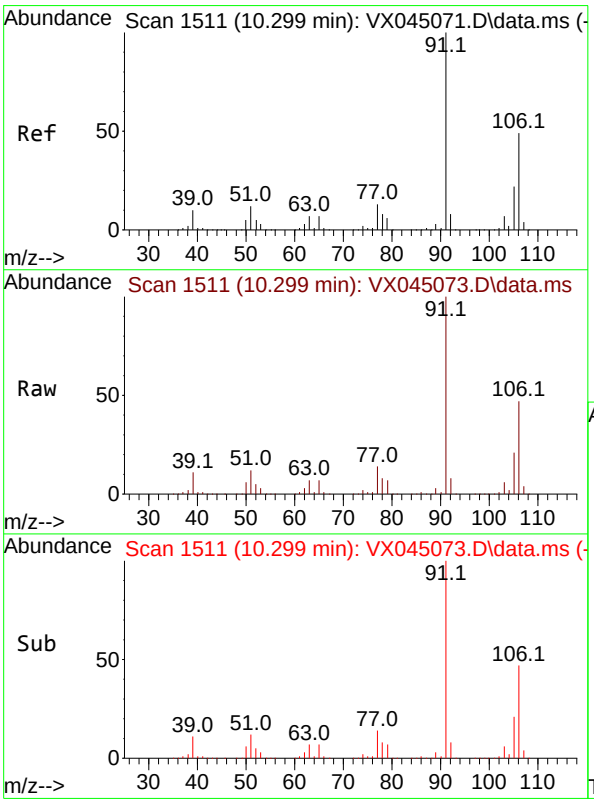
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

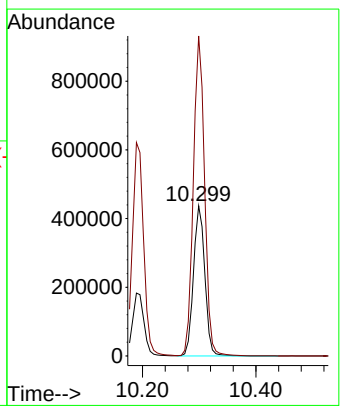


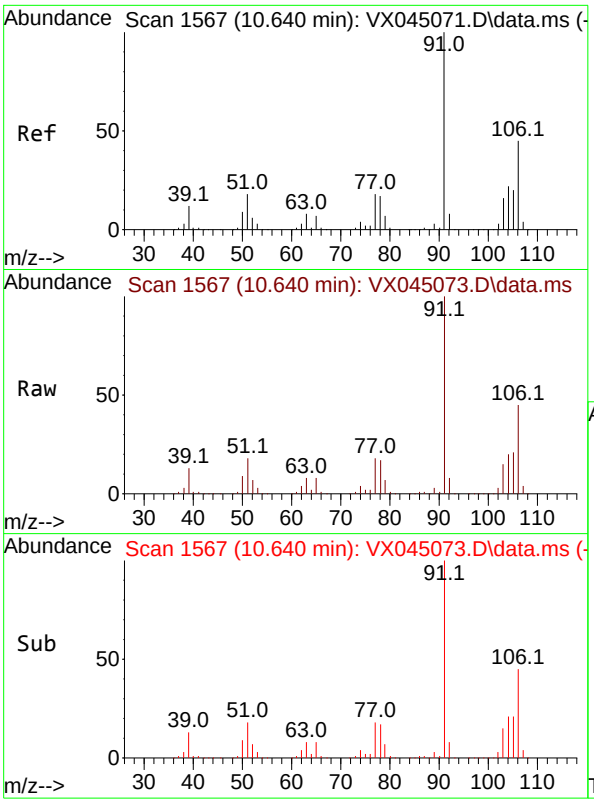


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



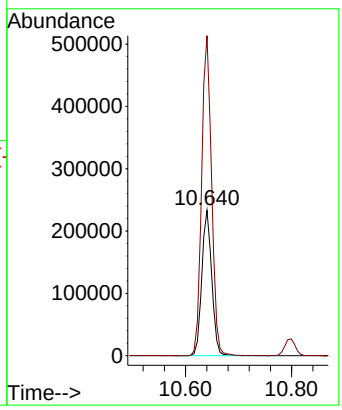


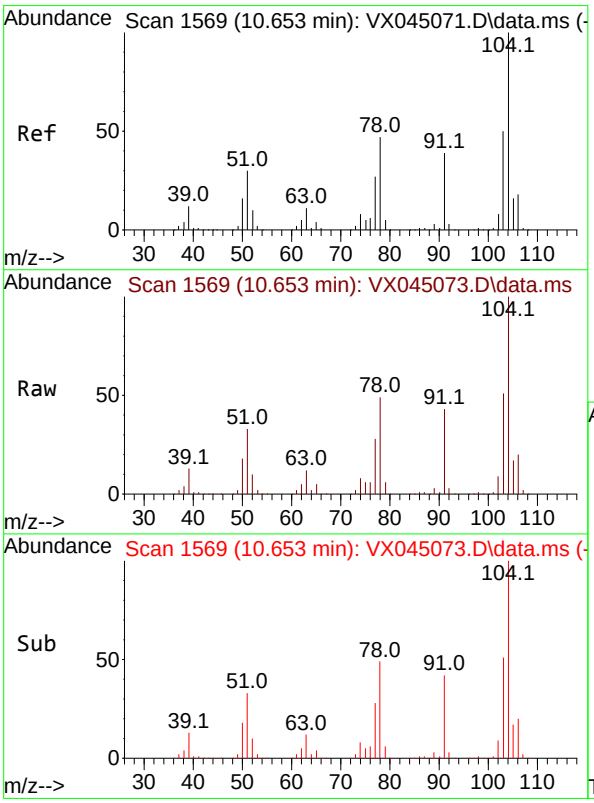
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

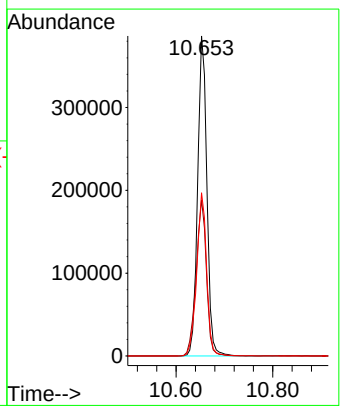


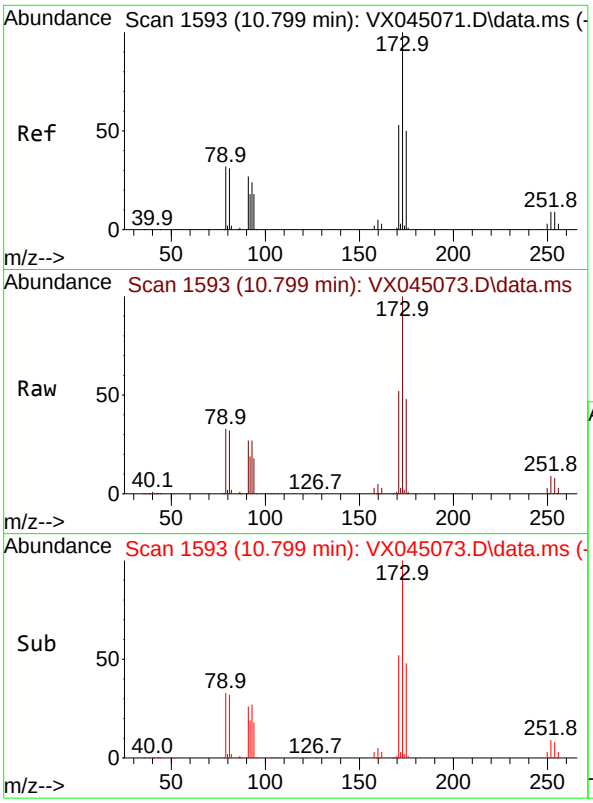


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



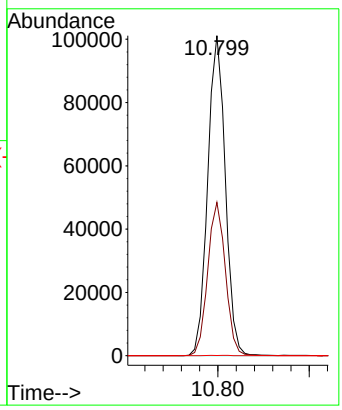


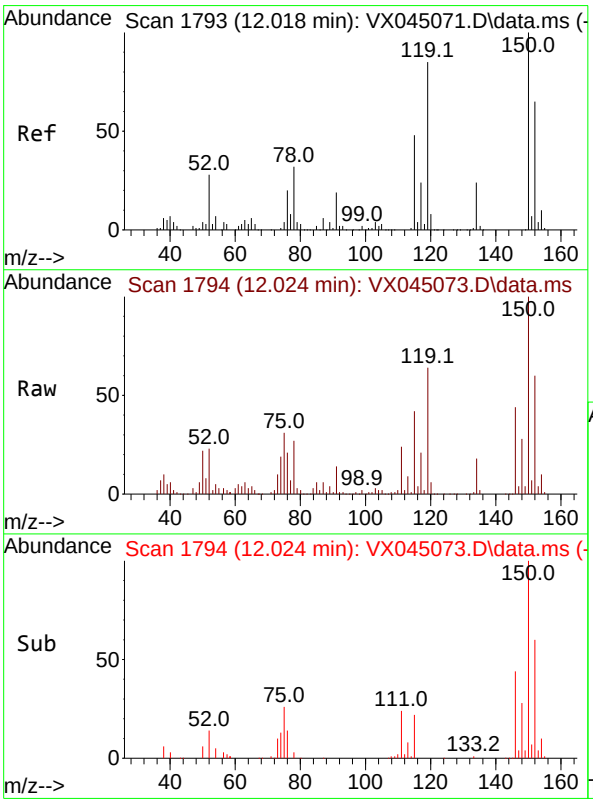
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 135388

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#

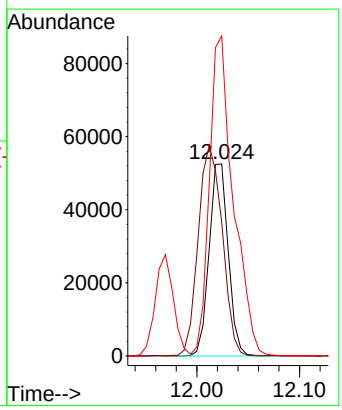


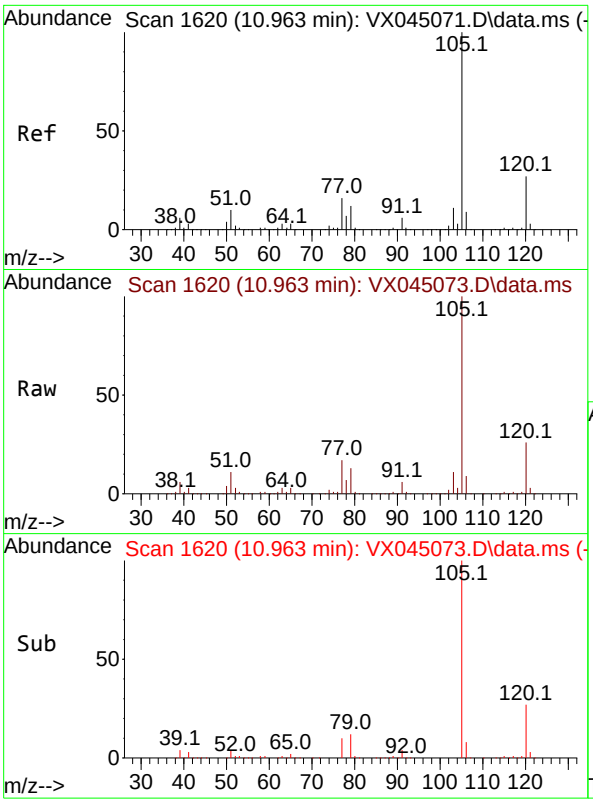


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0



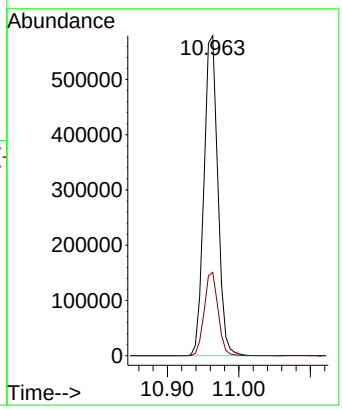


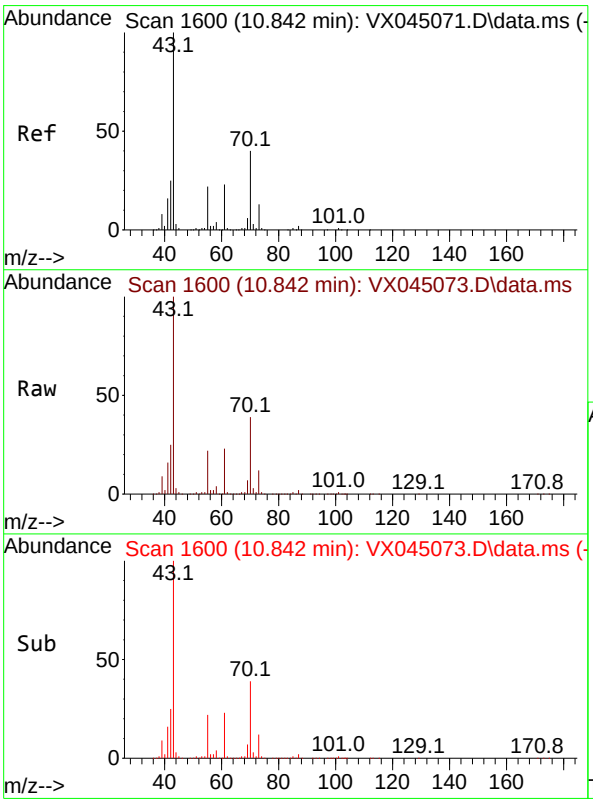
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

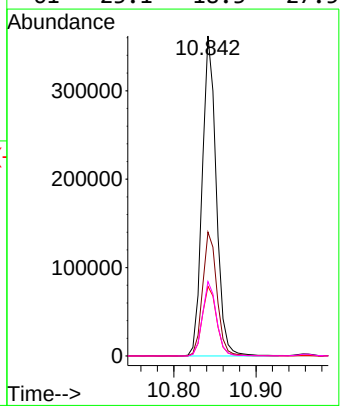


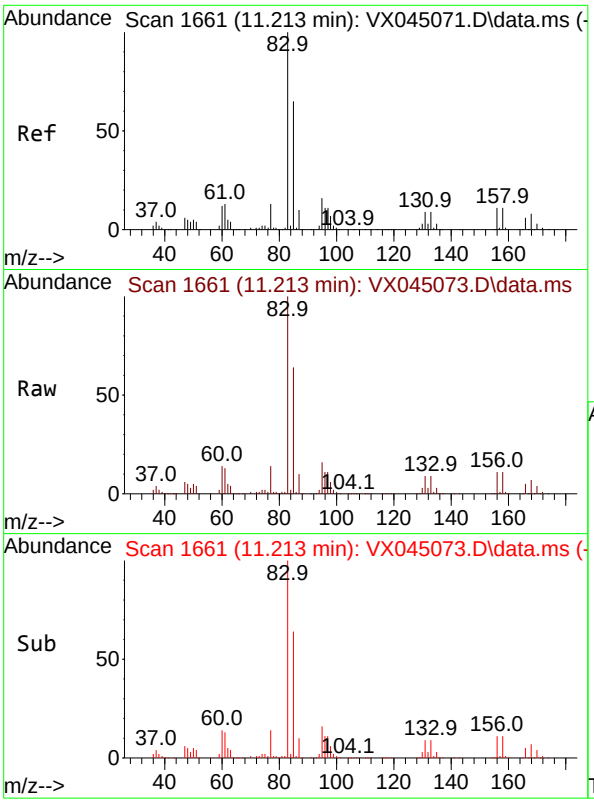


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5



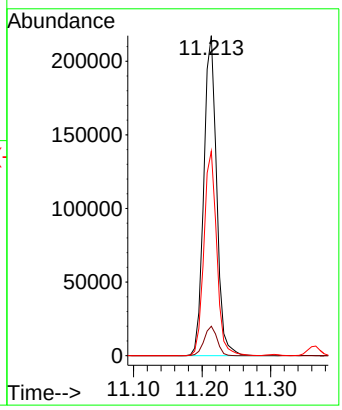


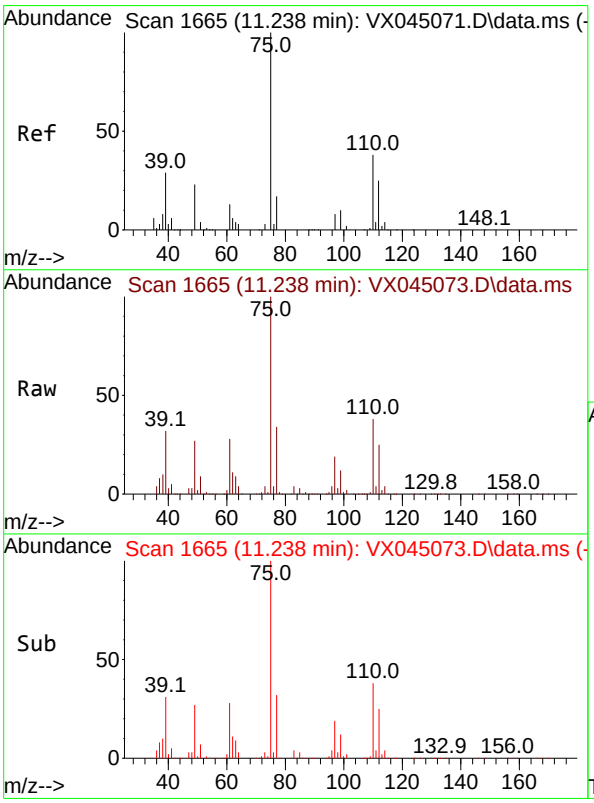
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 283558

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

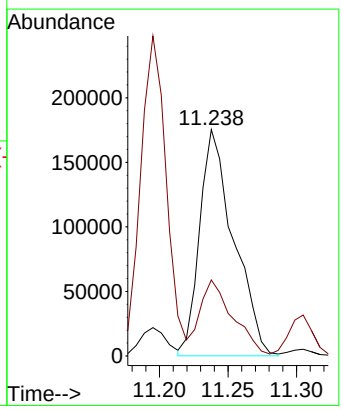


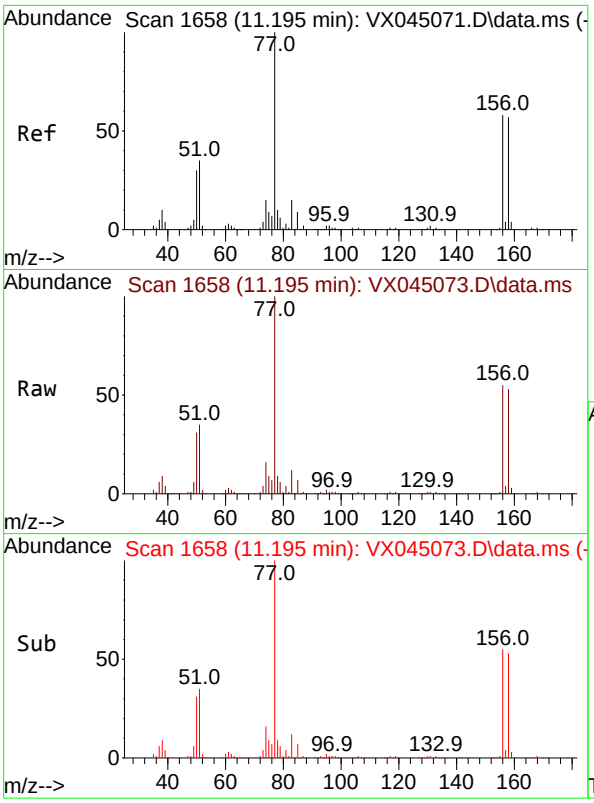


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



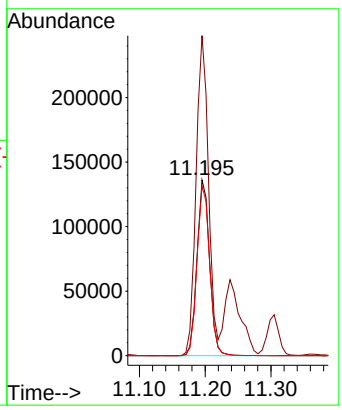


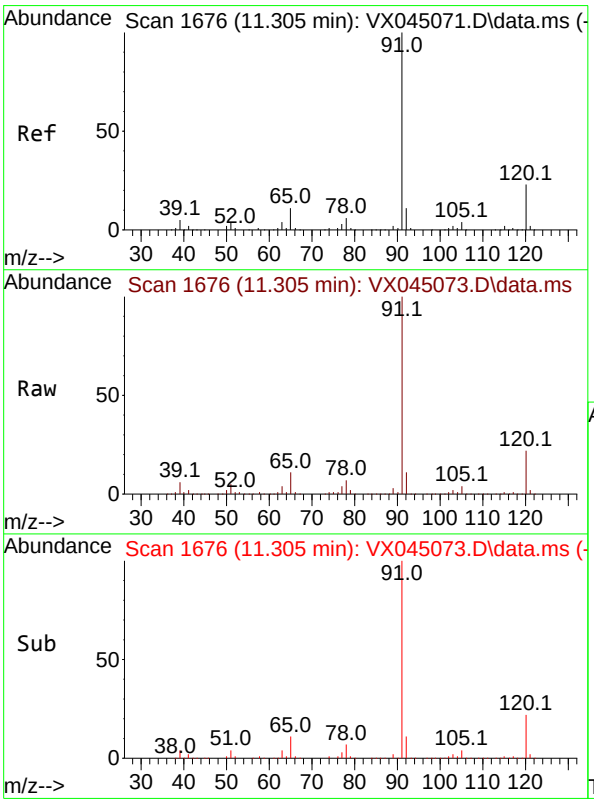
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 180997

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

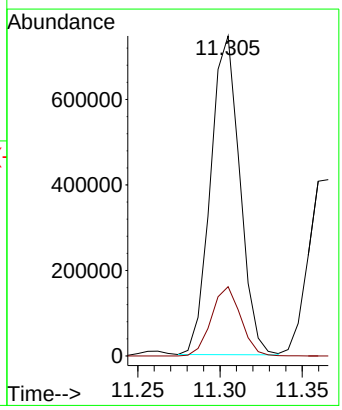


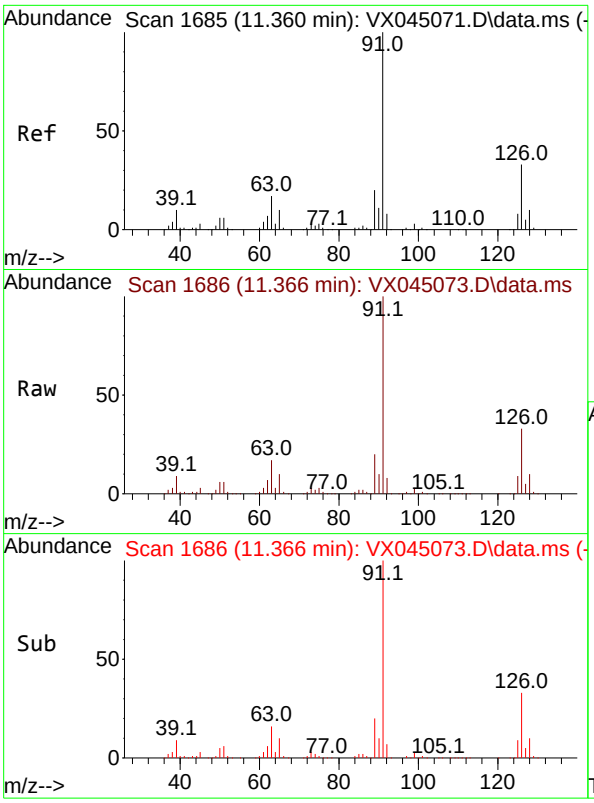


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



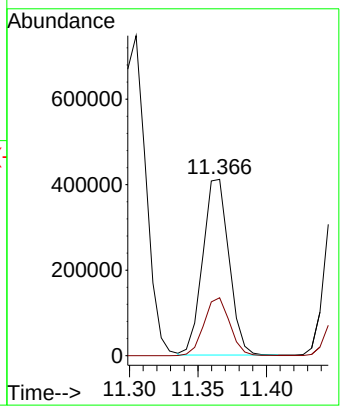


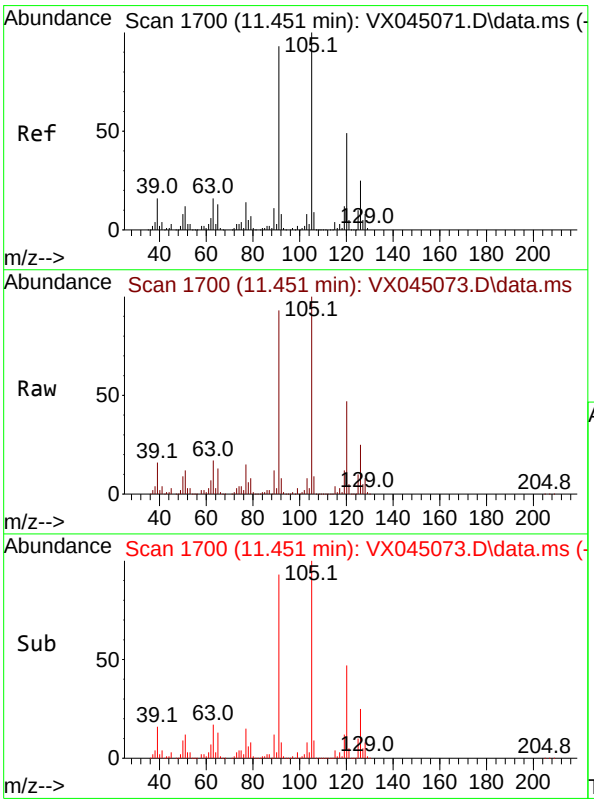
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

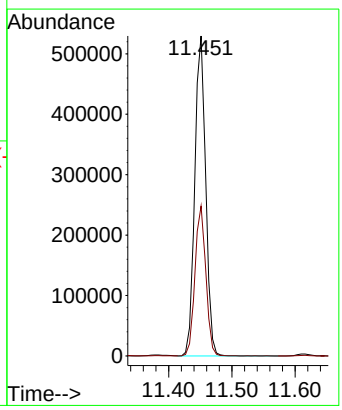


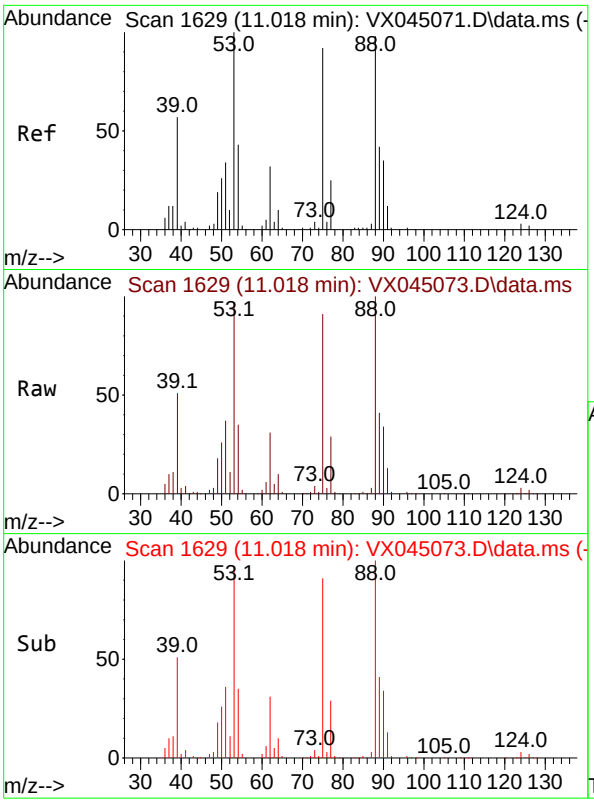


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



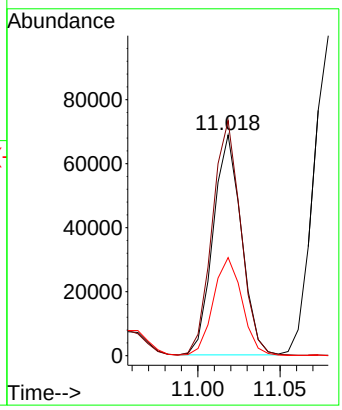


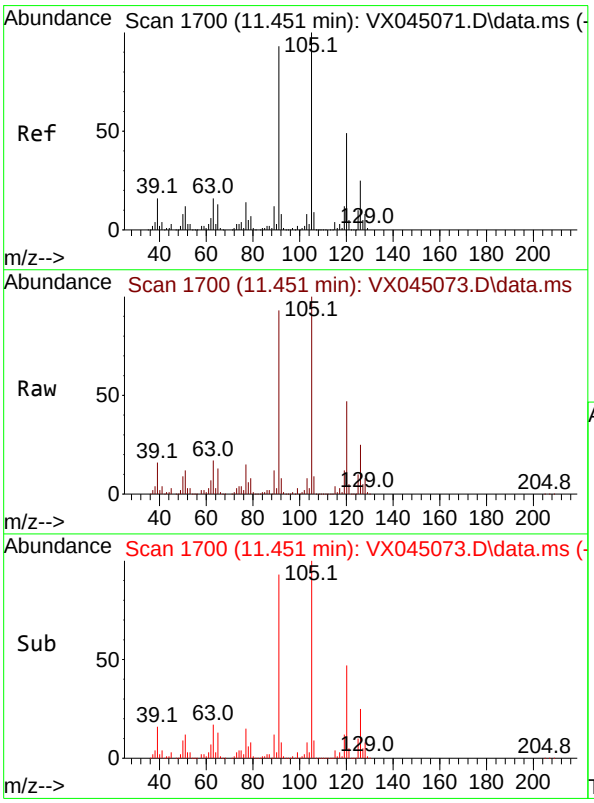
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 82267

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

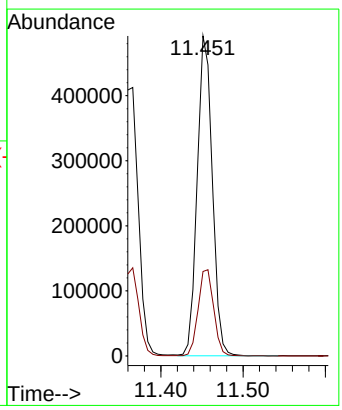


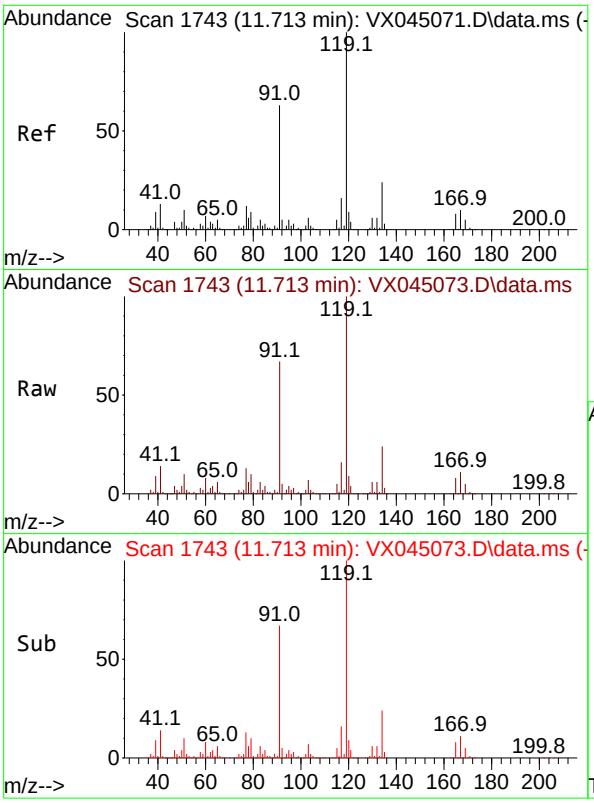


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



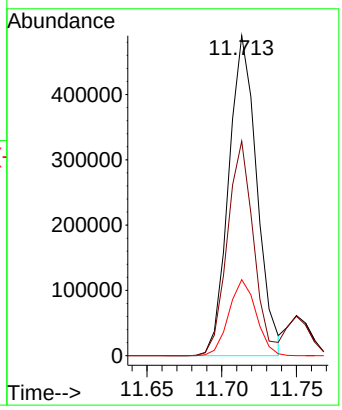


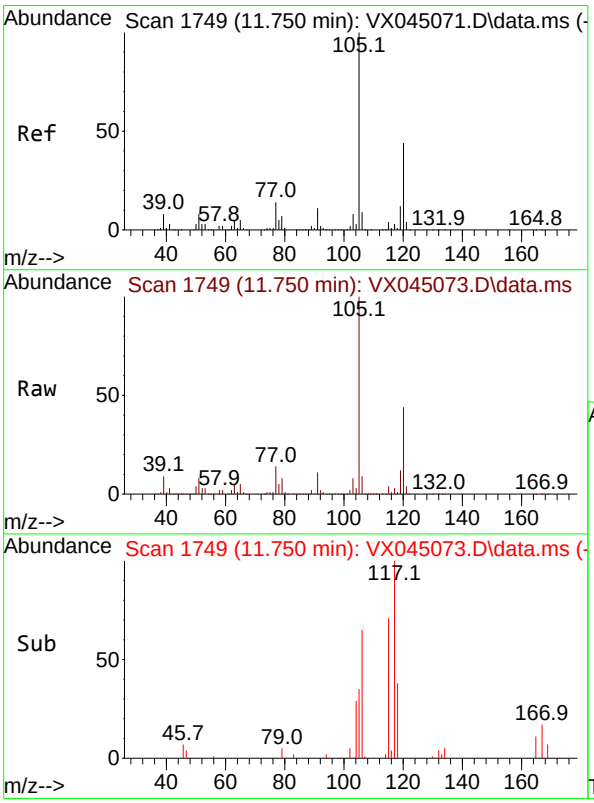
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 641713

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0

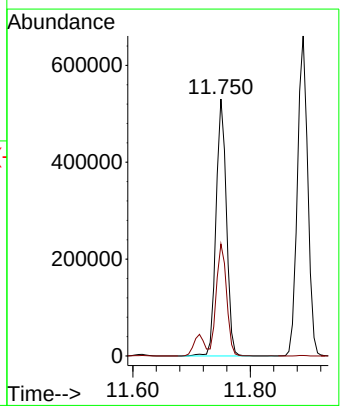


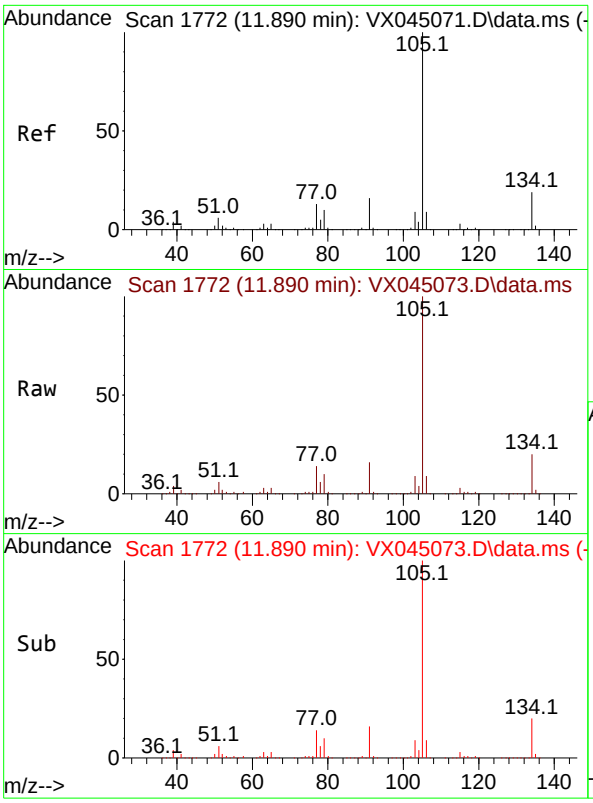


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



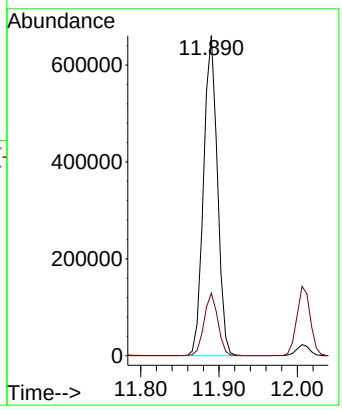


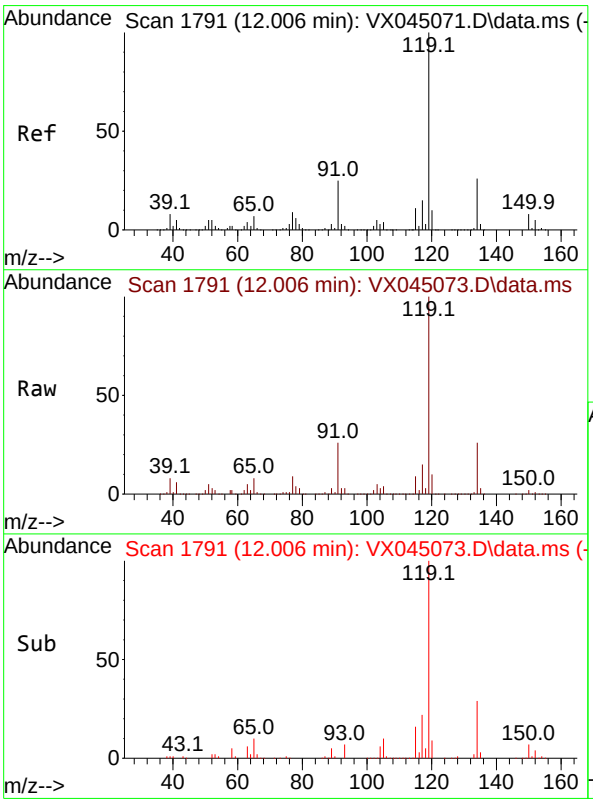
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

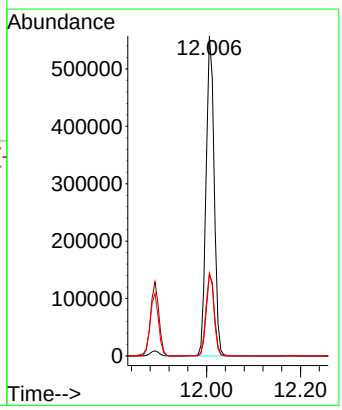


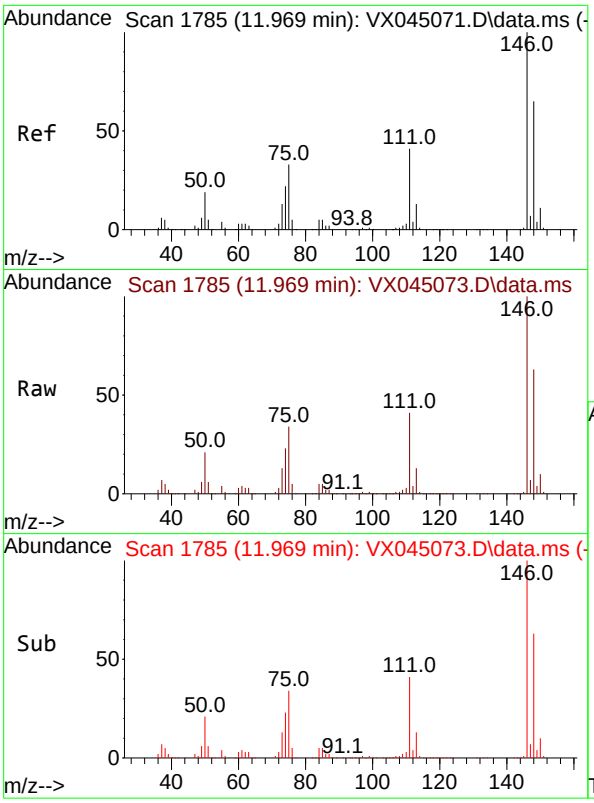


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0



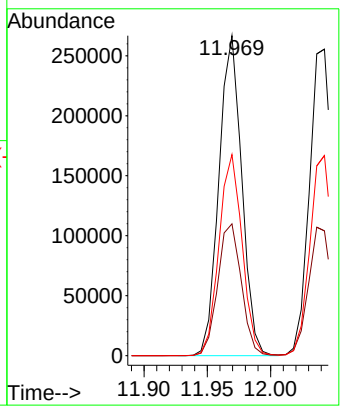


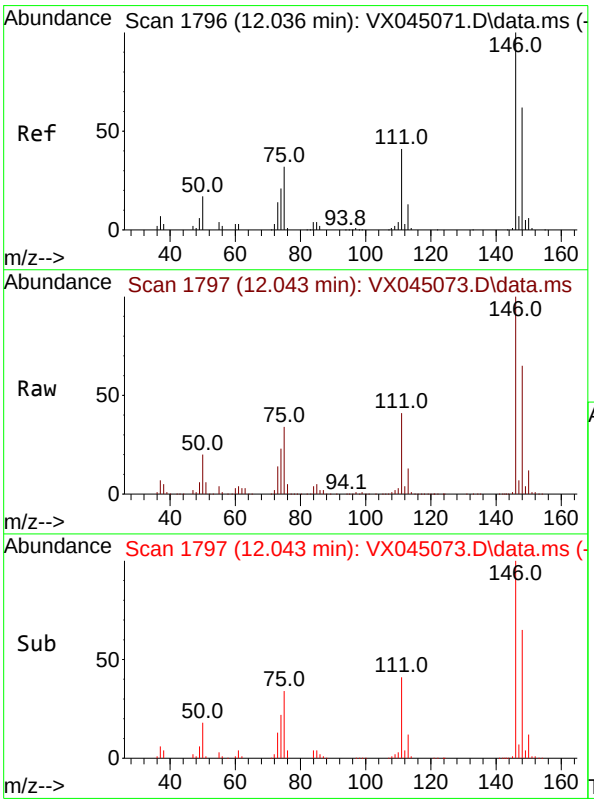
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 334751

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7

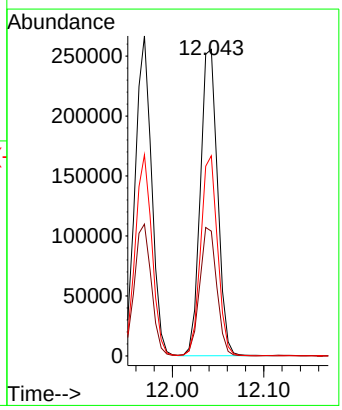


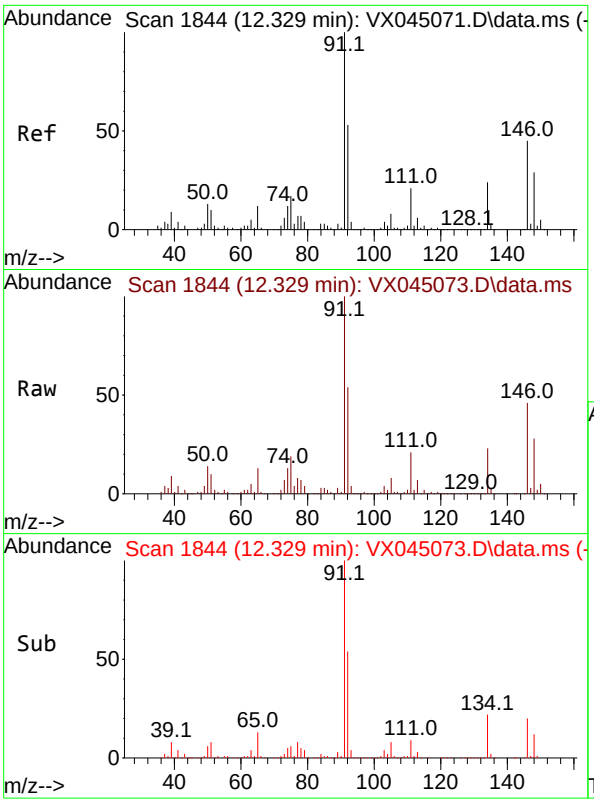


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9



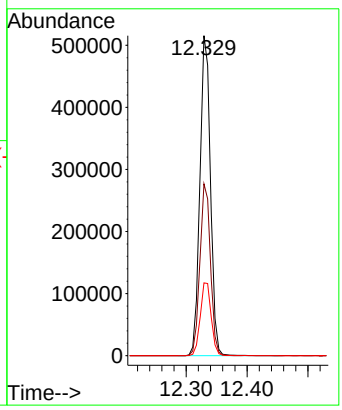


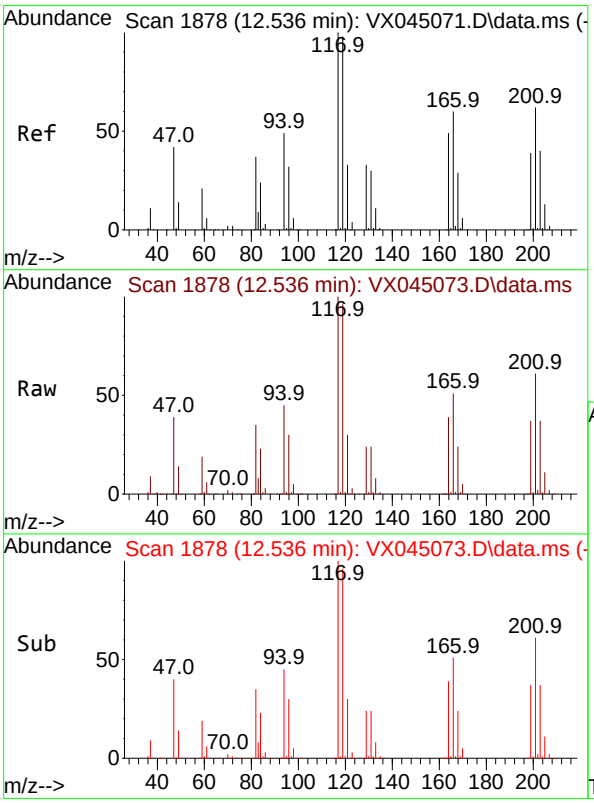
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 620757

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6

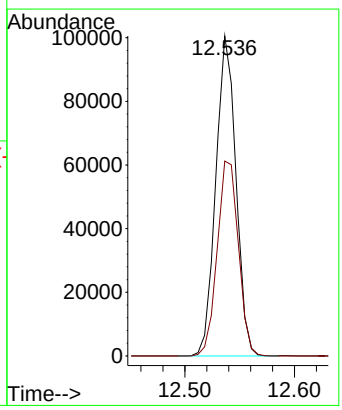


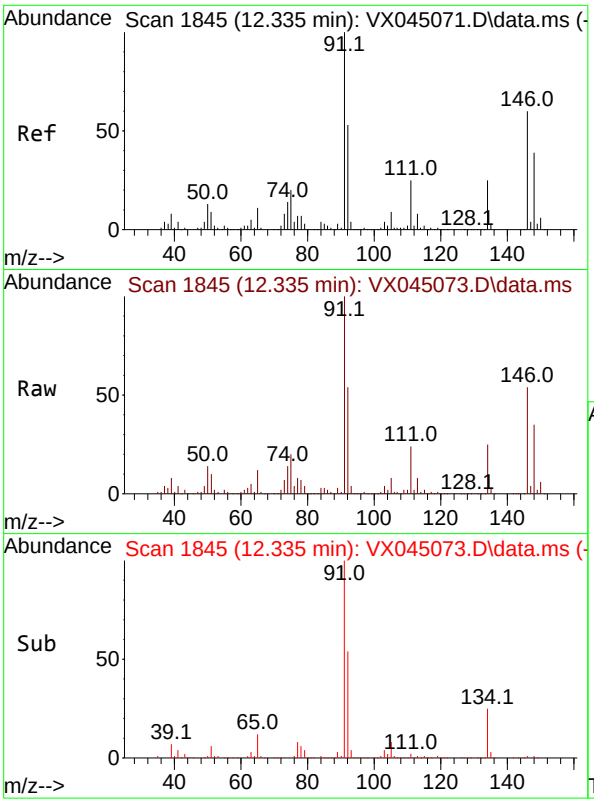


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



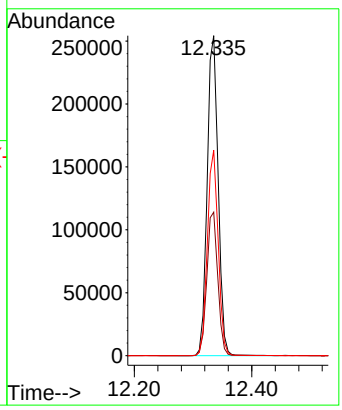


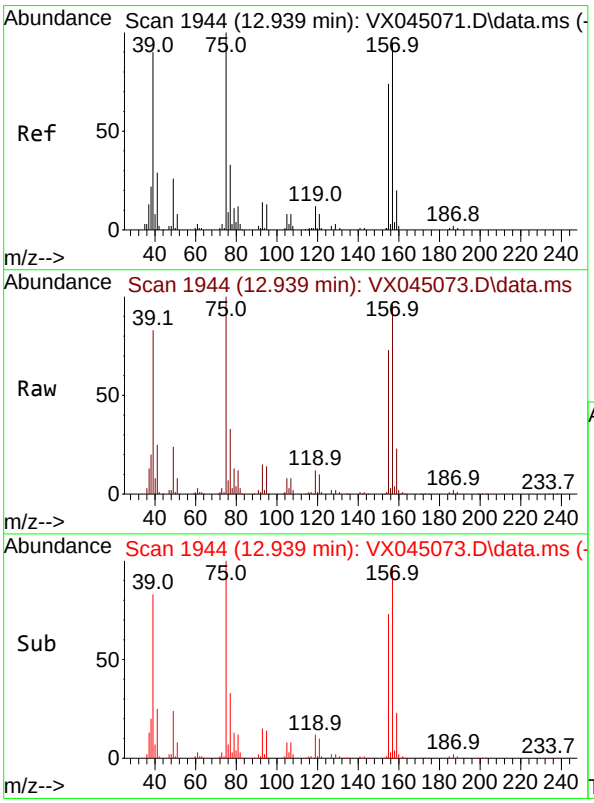
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 329318

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9

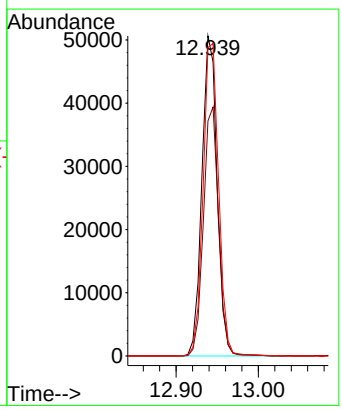


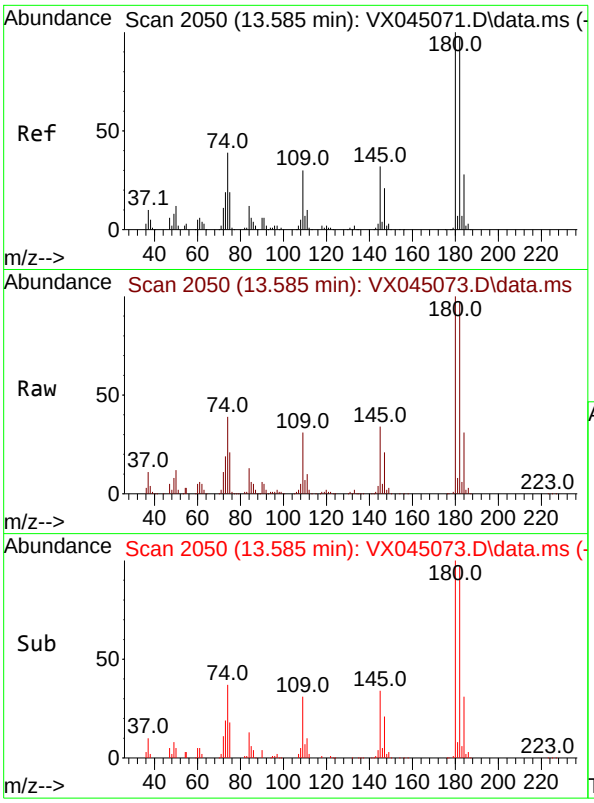


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4



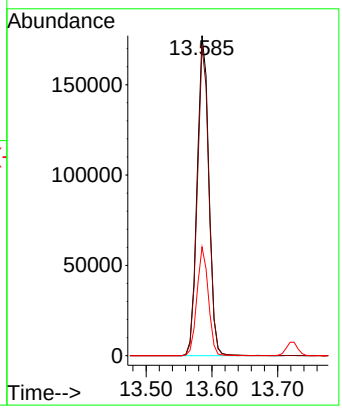


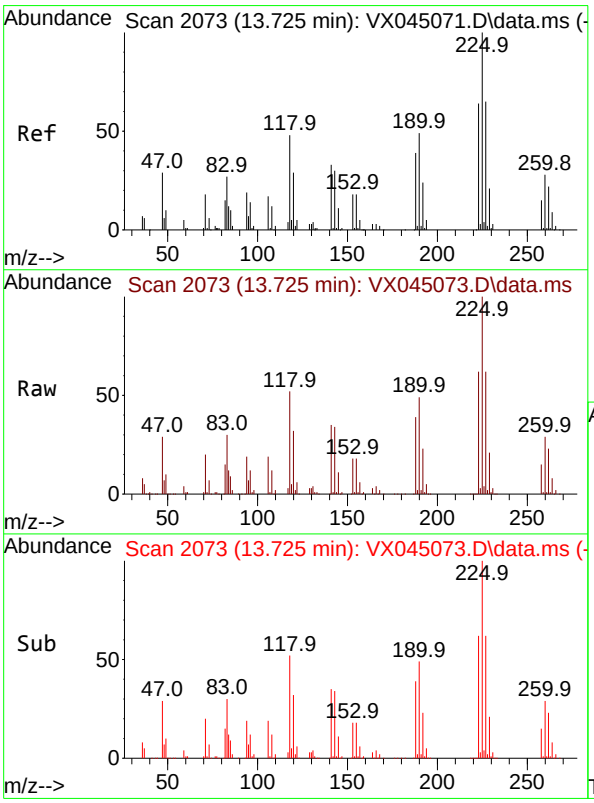
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 219313

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9

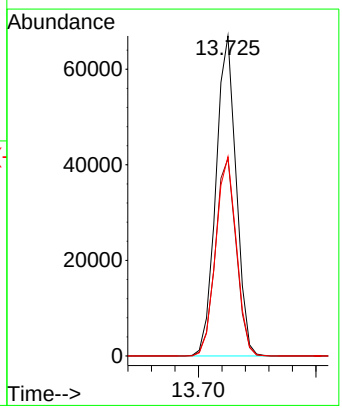


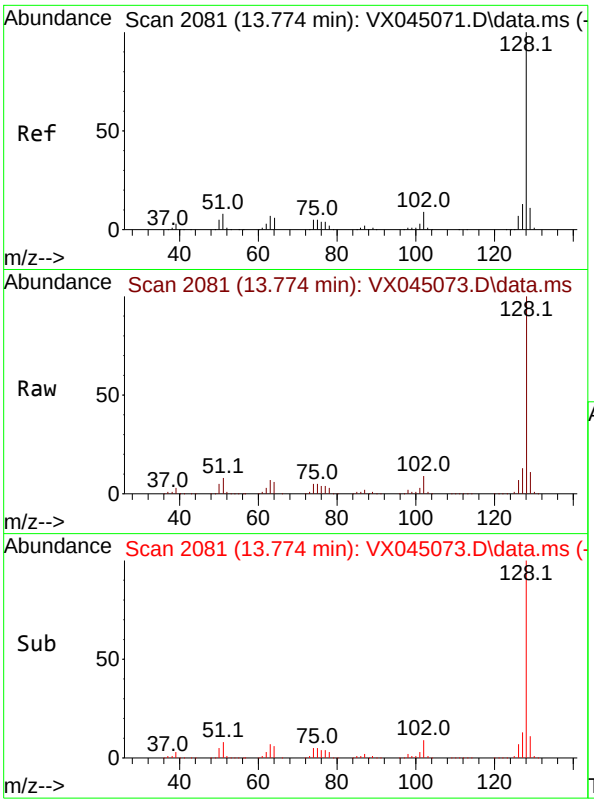


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0



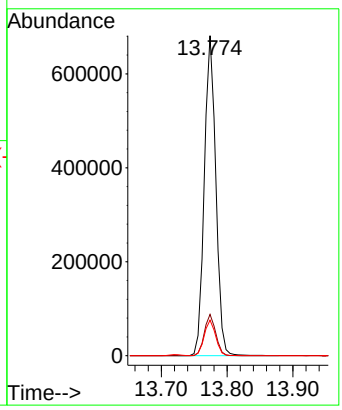


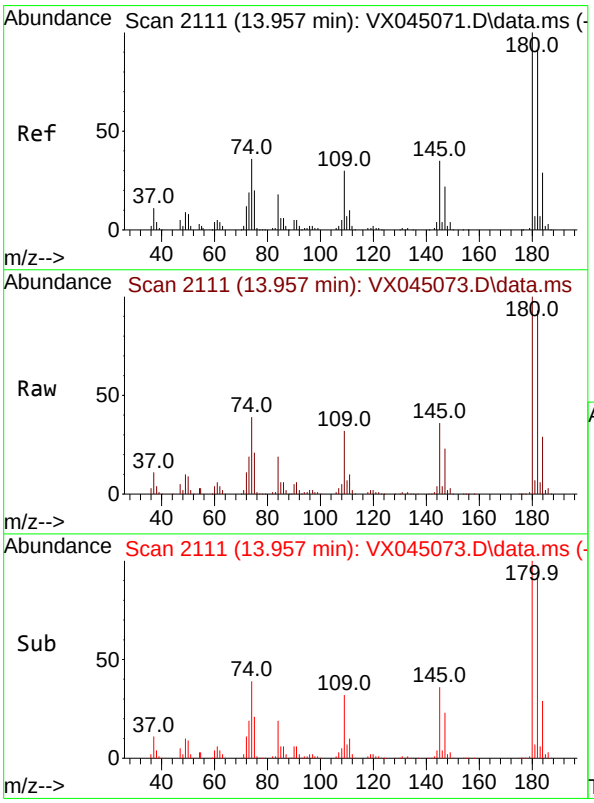
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 828949

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

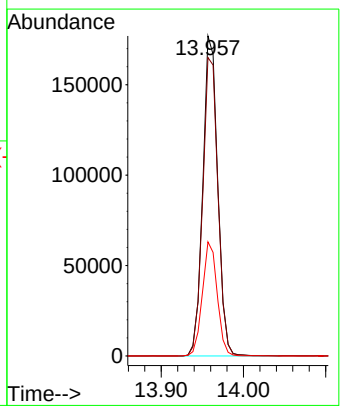




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	102821	63.694	ug/l		87
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

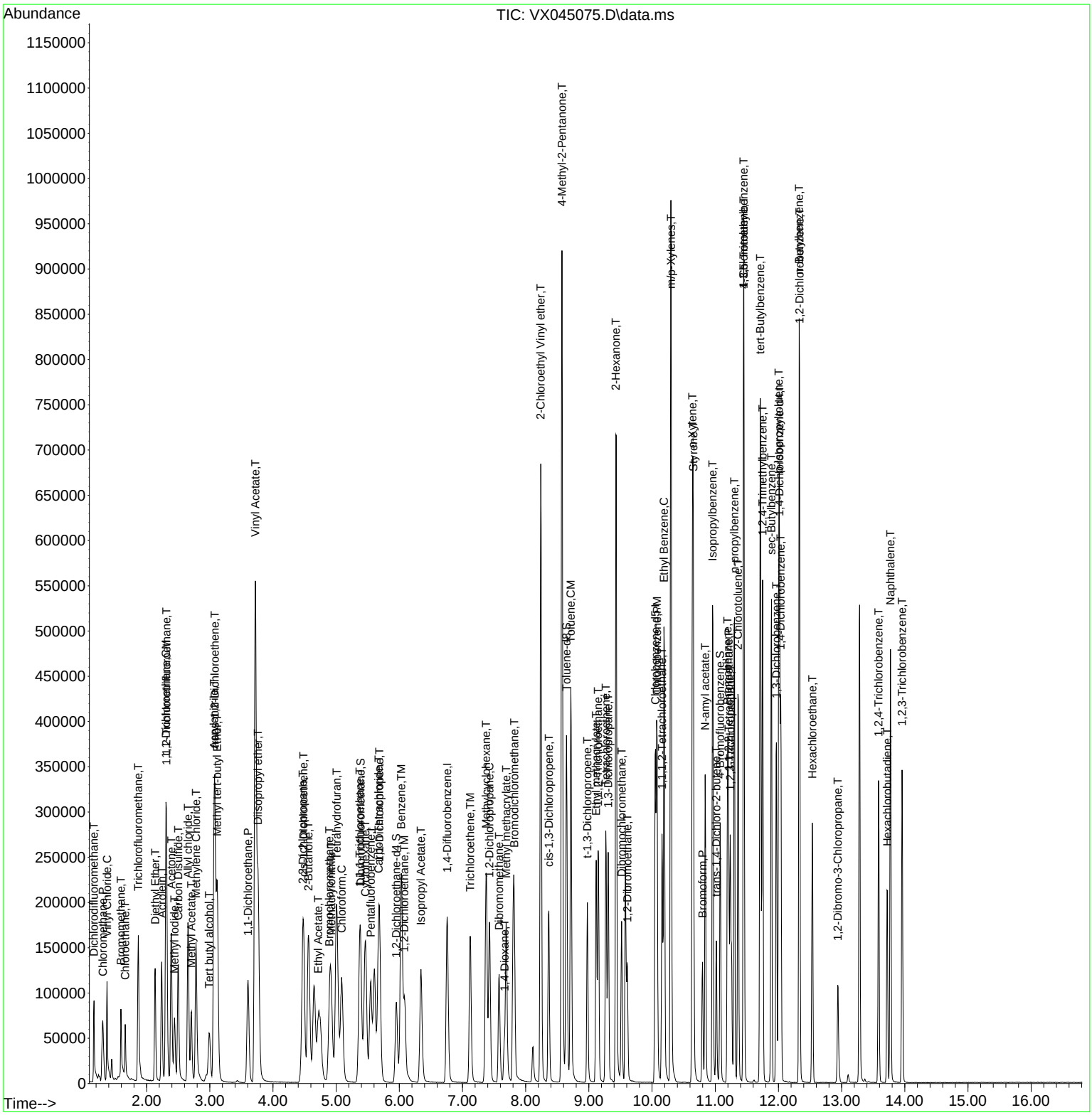
(#) = qualifier out of range (m) = manual integration (+) = signals summed

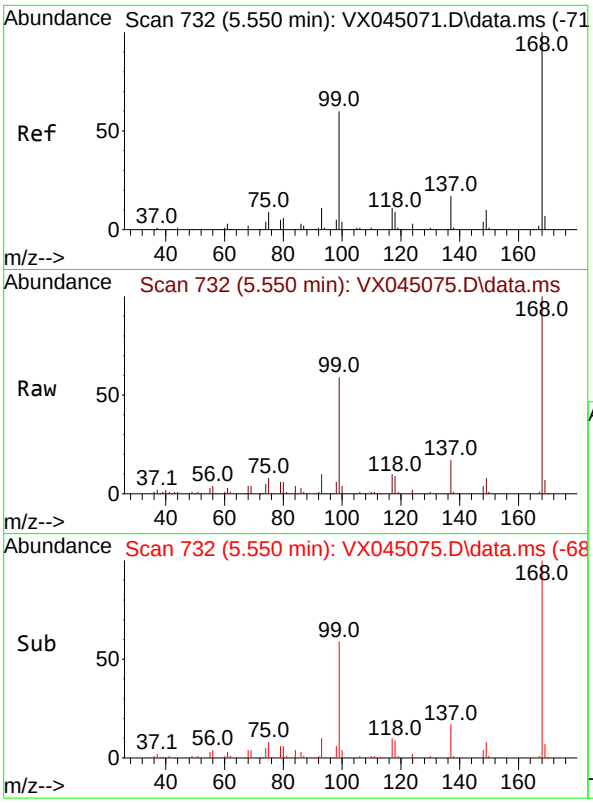
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



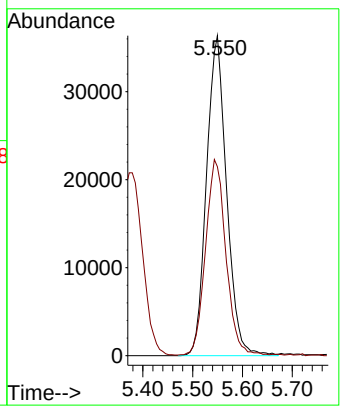


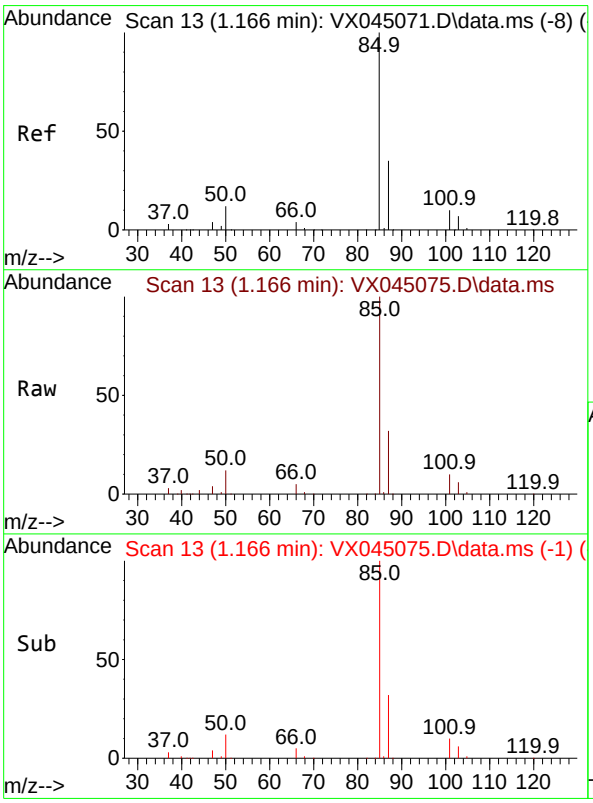
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

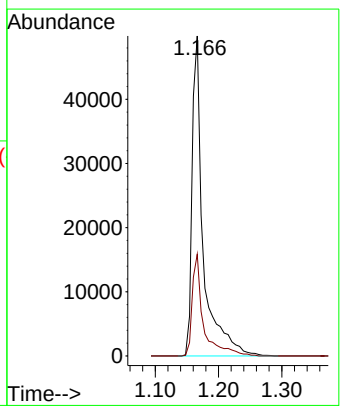


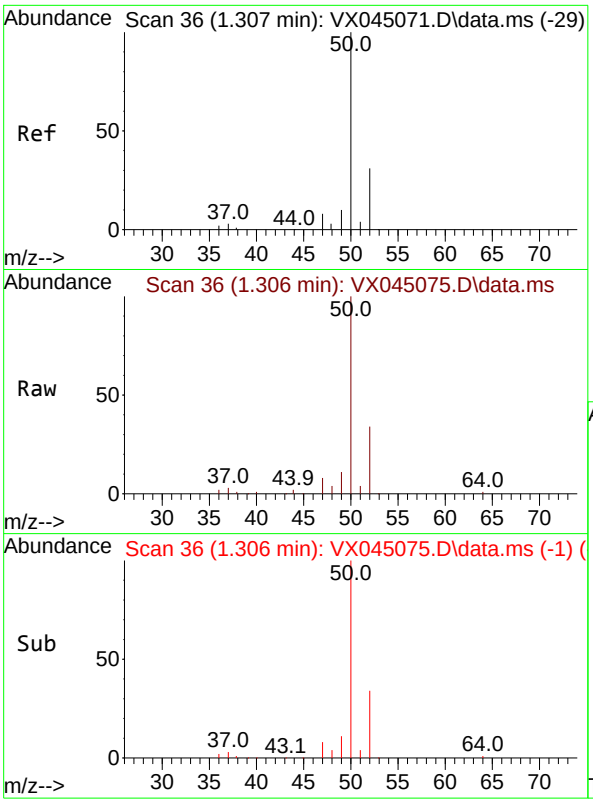


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



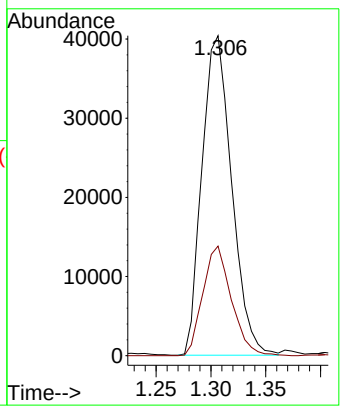


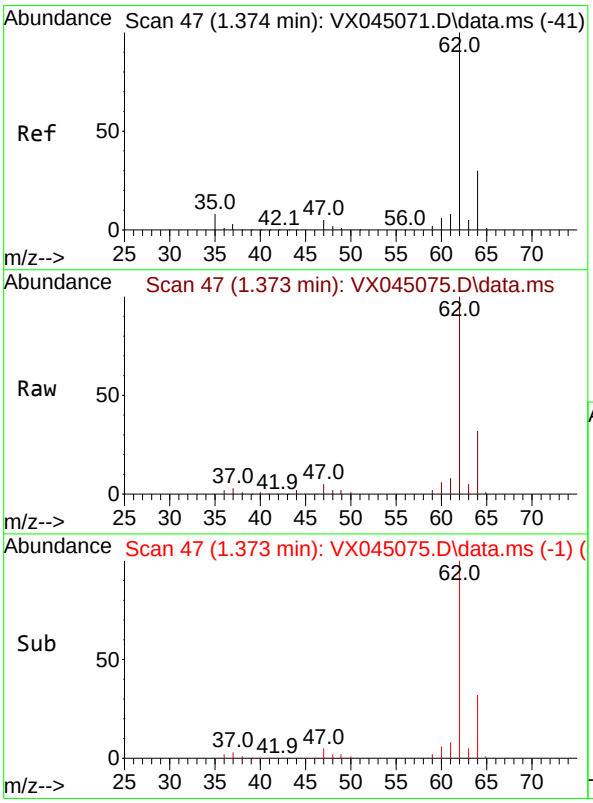
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

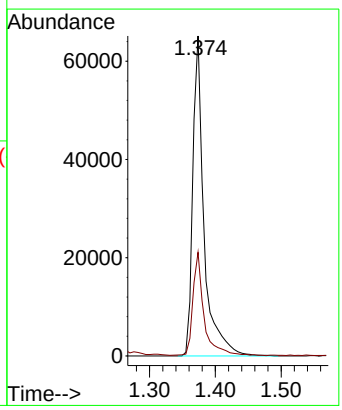


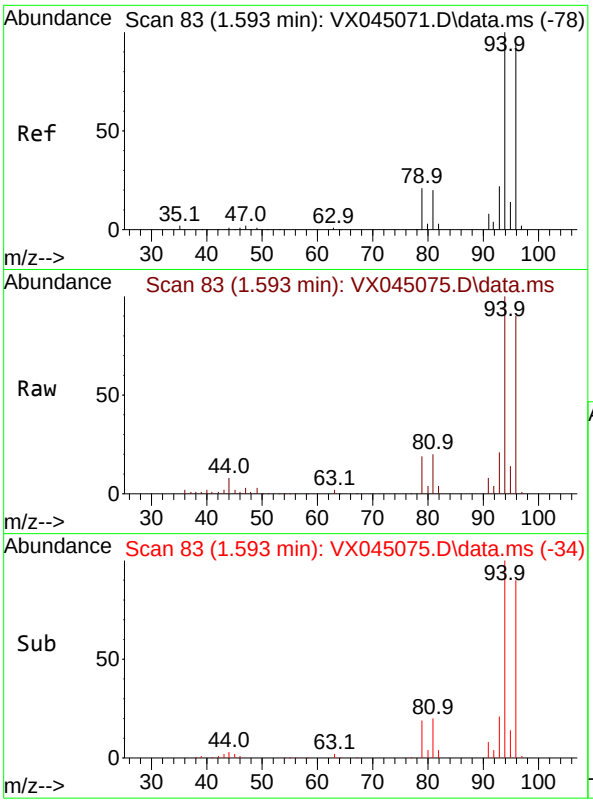


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



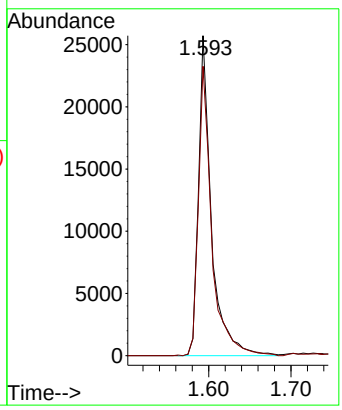


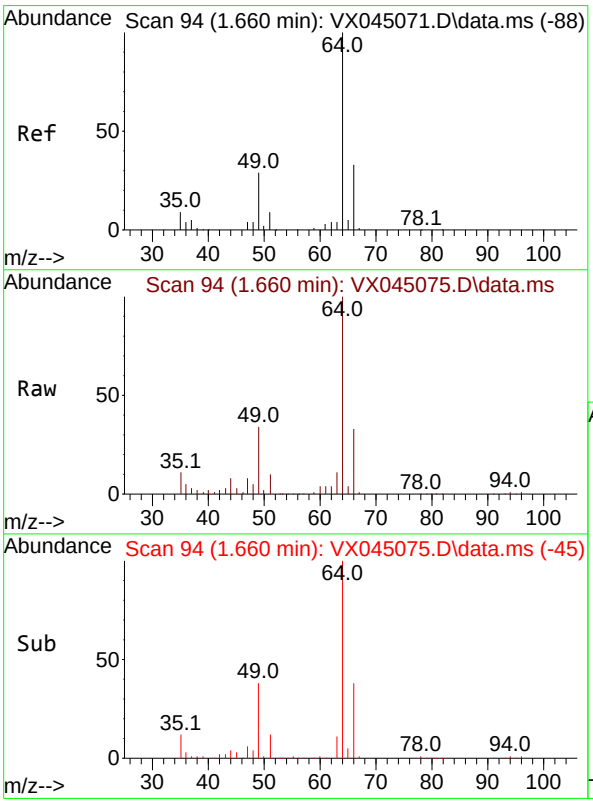
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

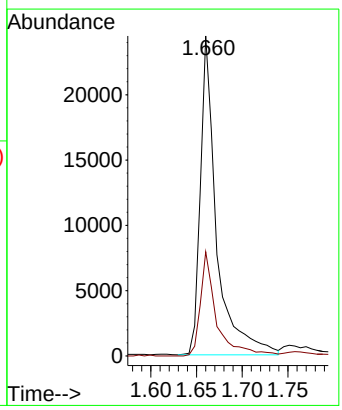


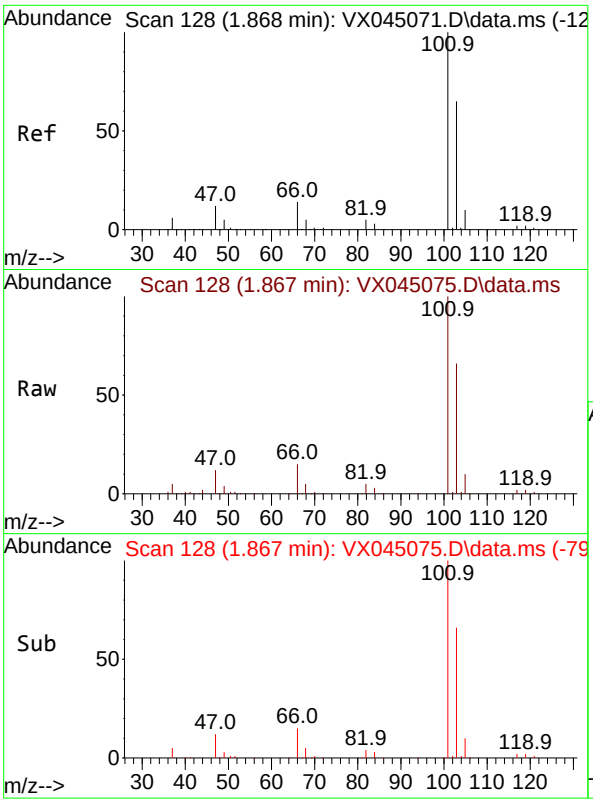


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



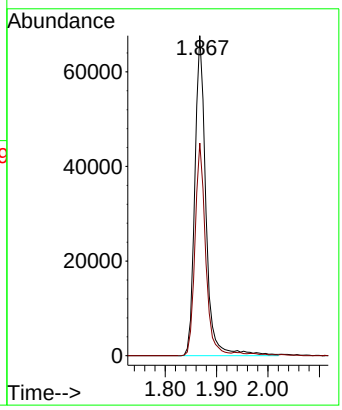


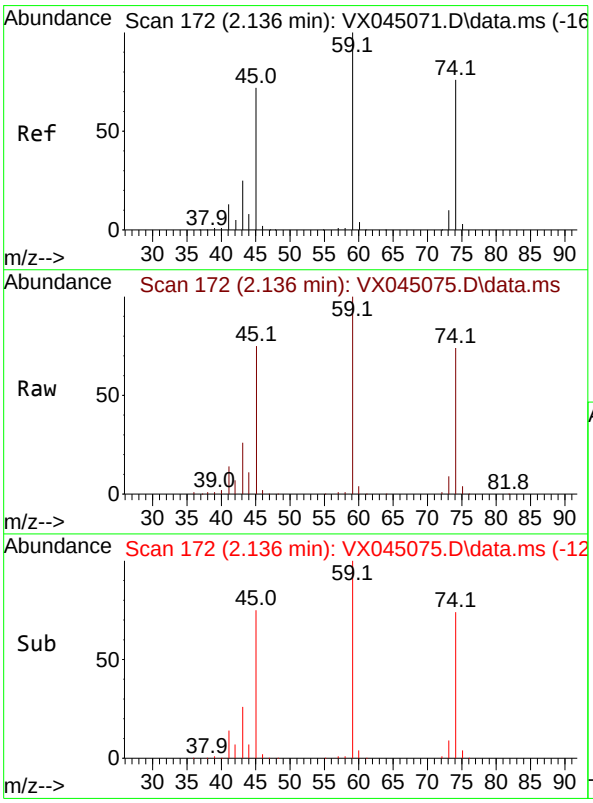
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

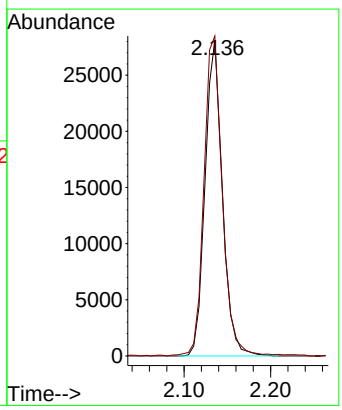


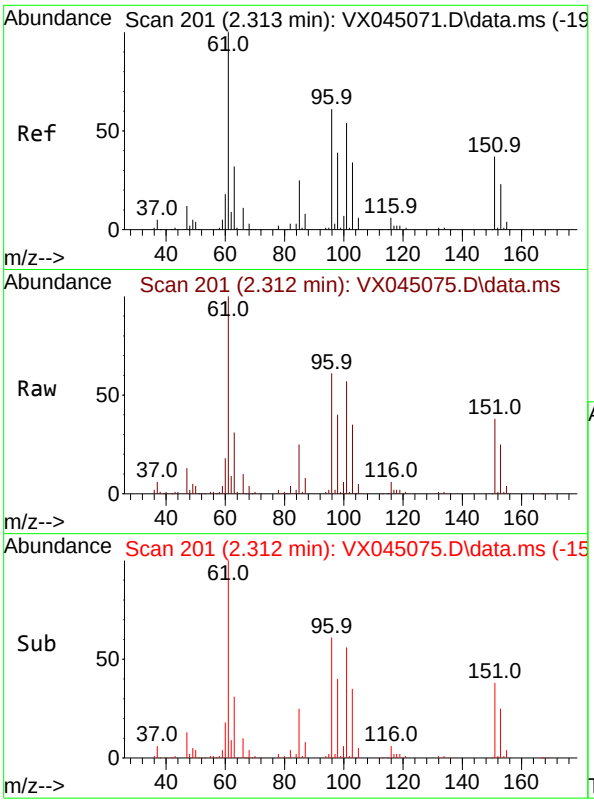


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



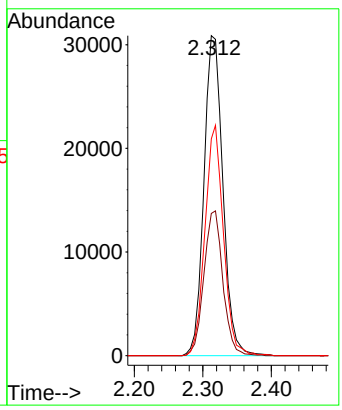


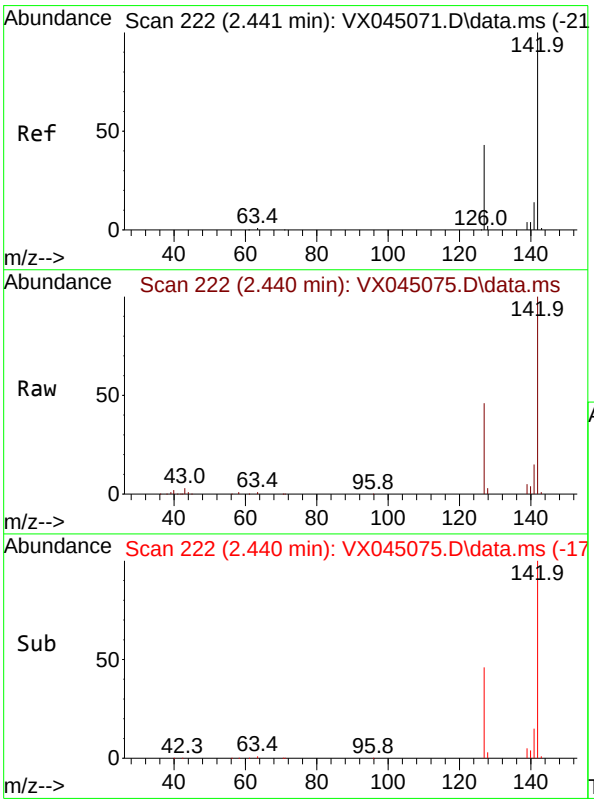
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 59477

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

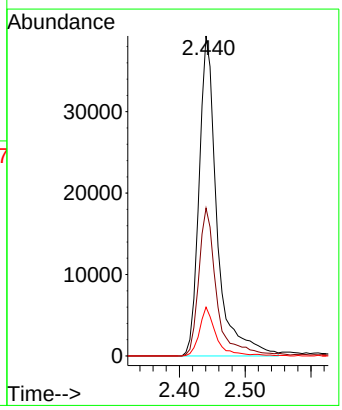


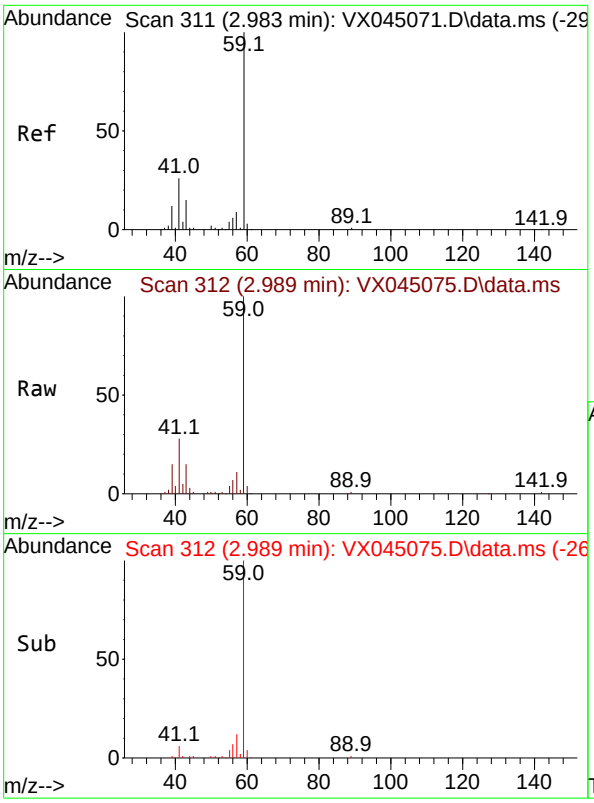


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4



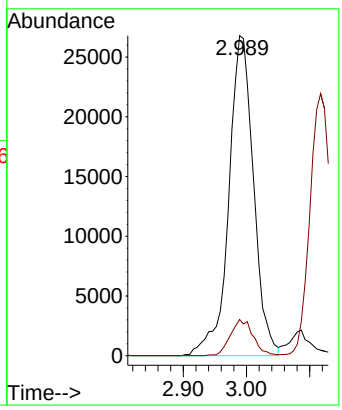


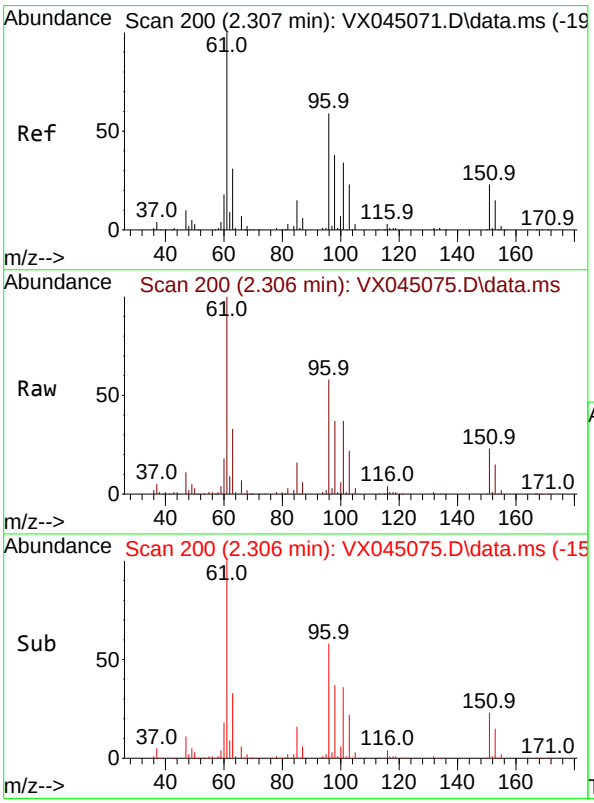
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

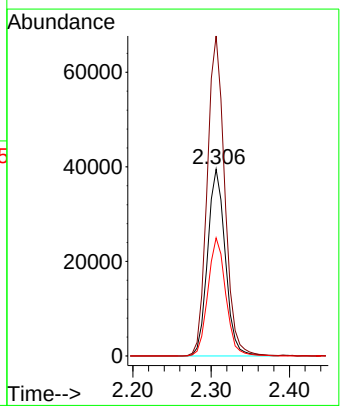


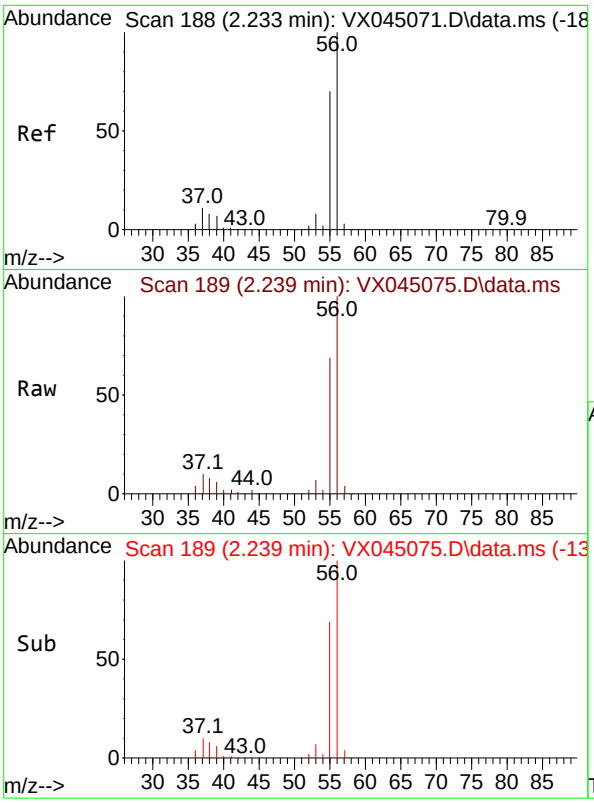


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6



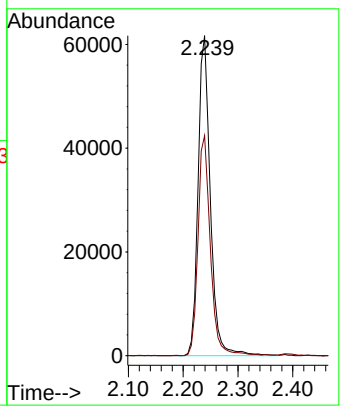


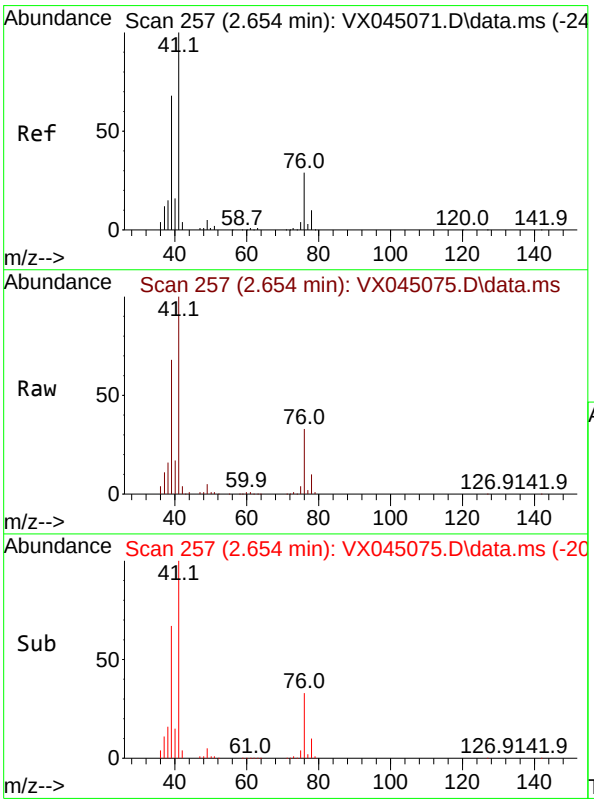
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

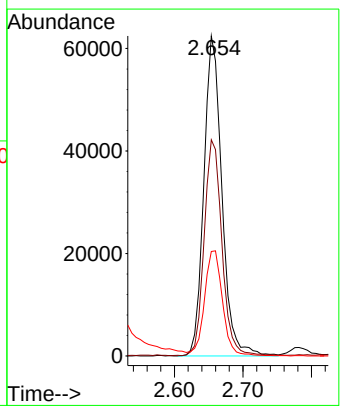


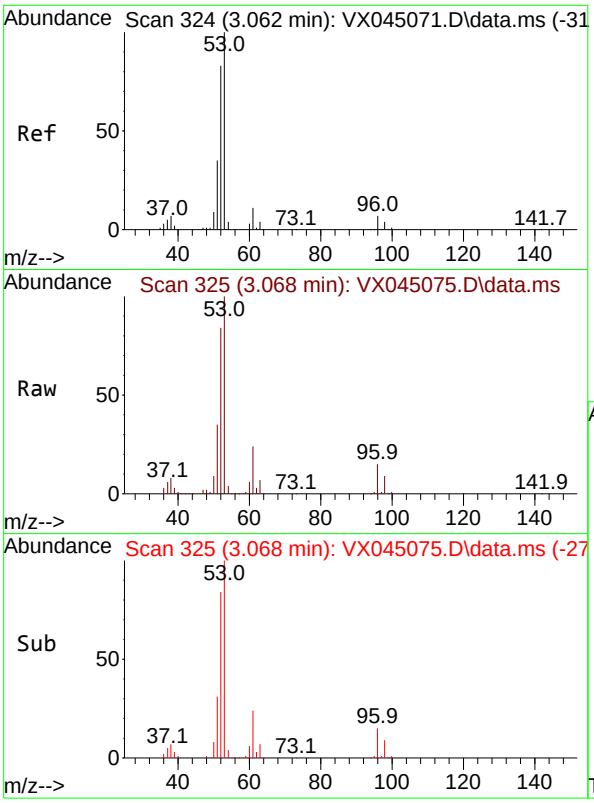


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8



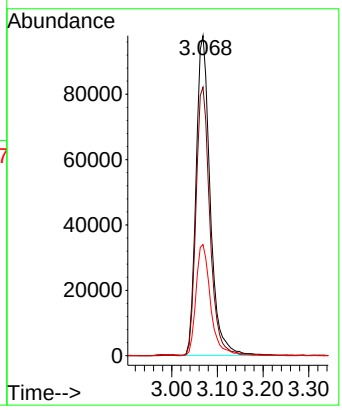


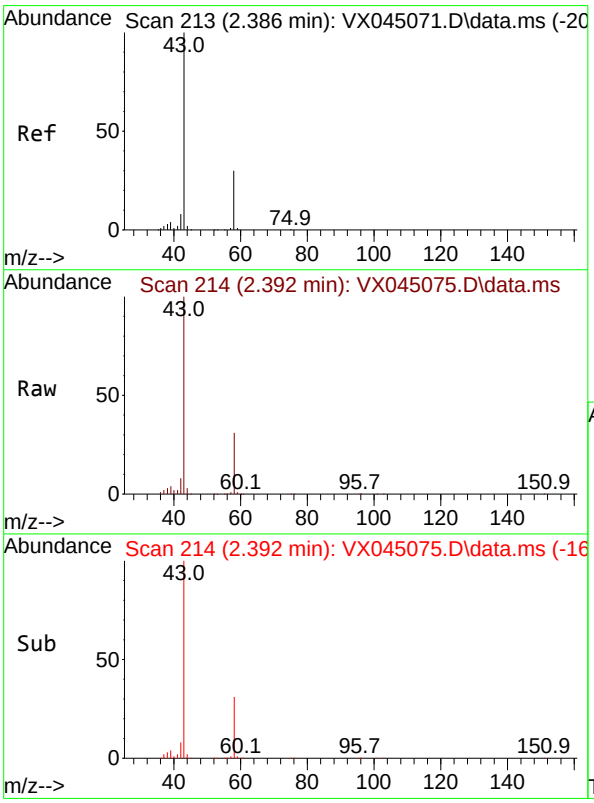
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 53 Resp: 209607

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4

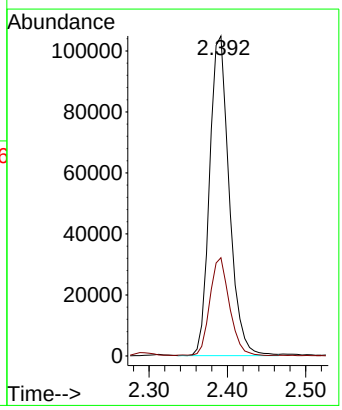


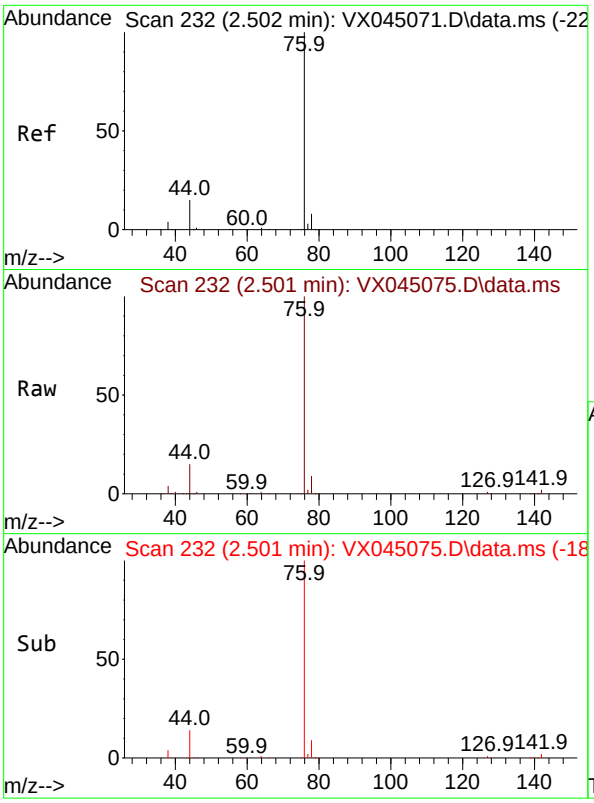


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



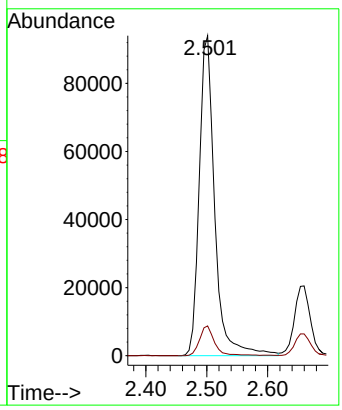


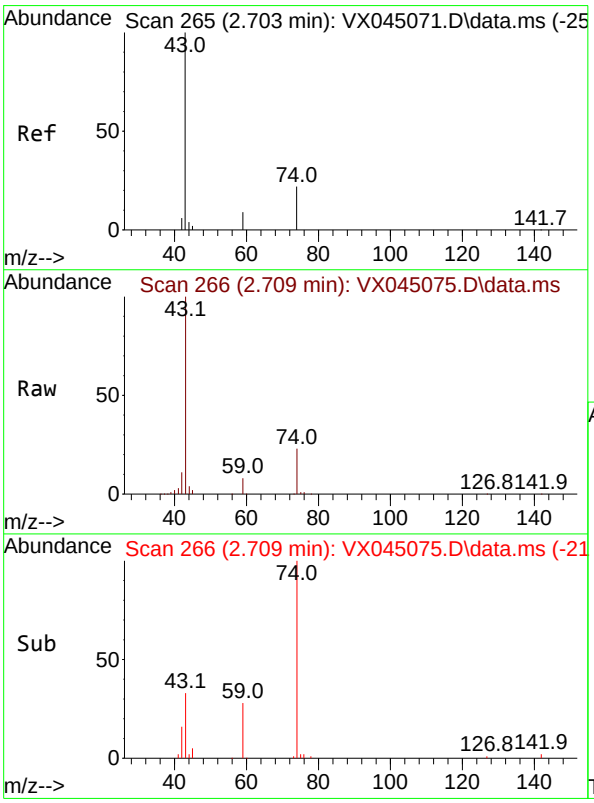
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

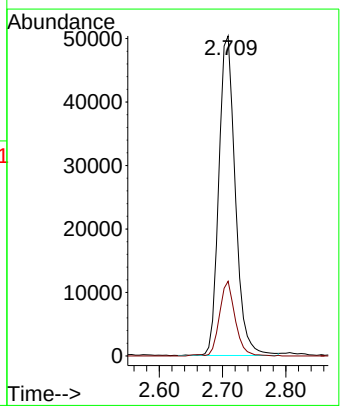


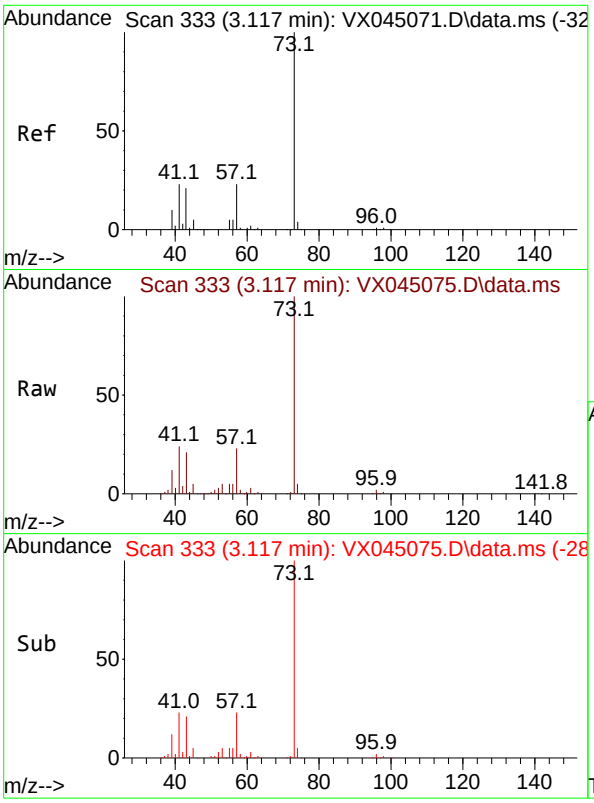


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



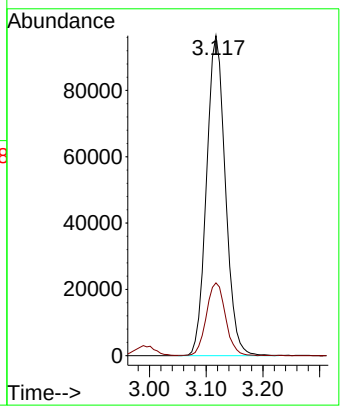


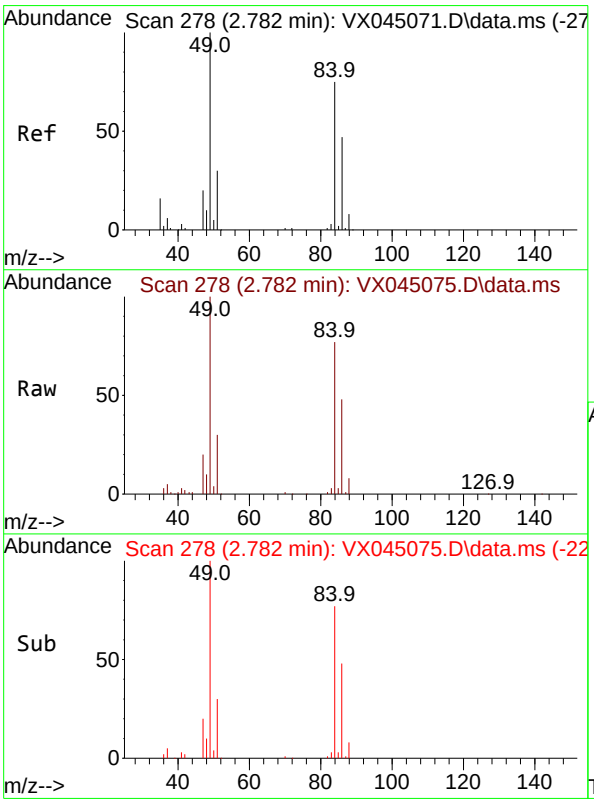
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

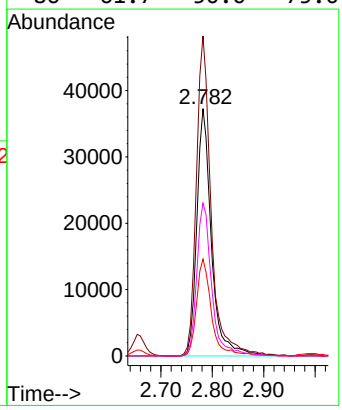


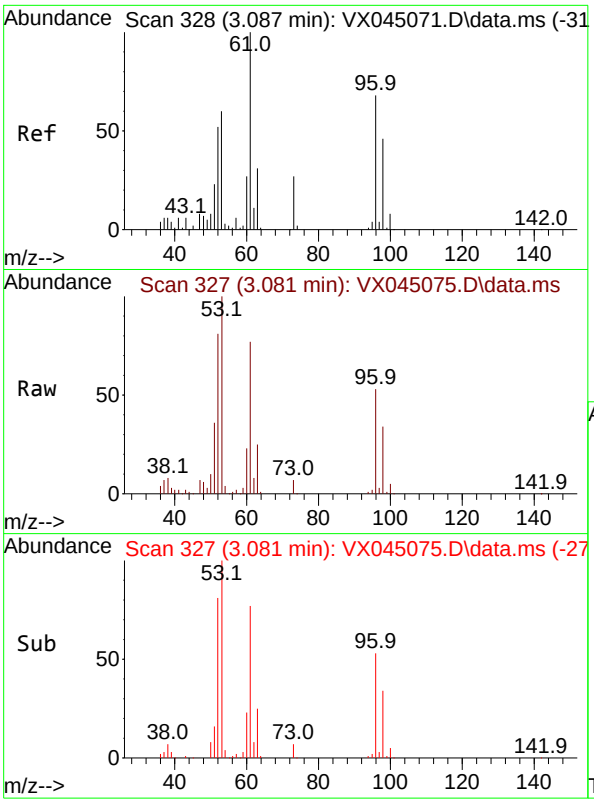


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0



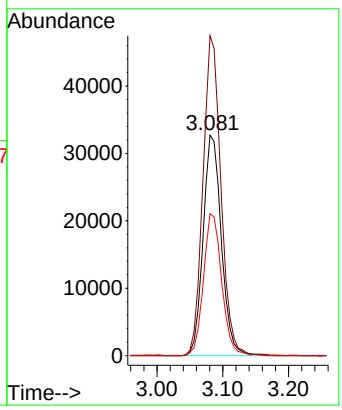


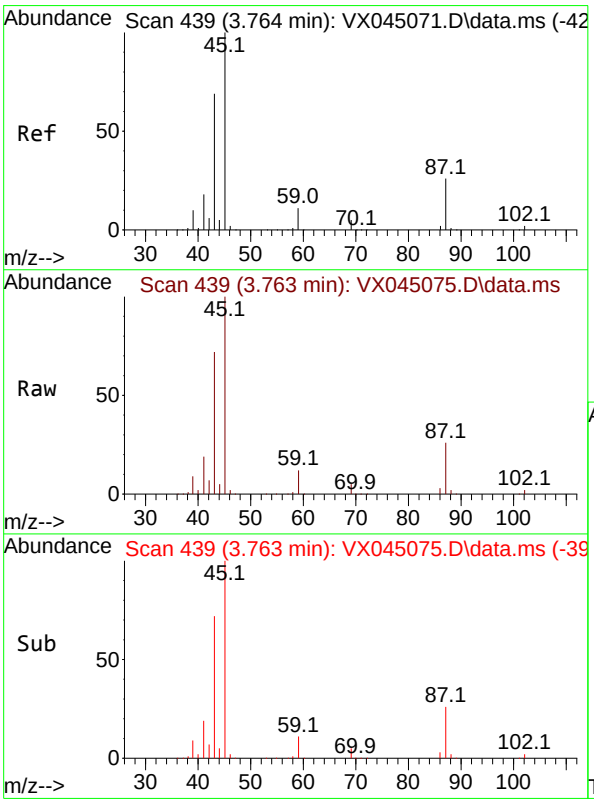
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 63117

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2

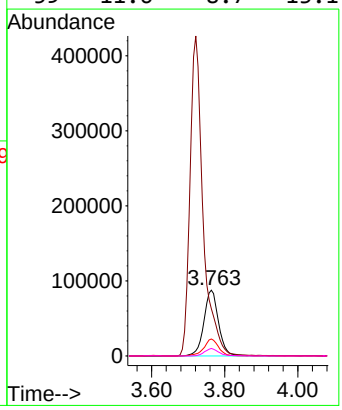


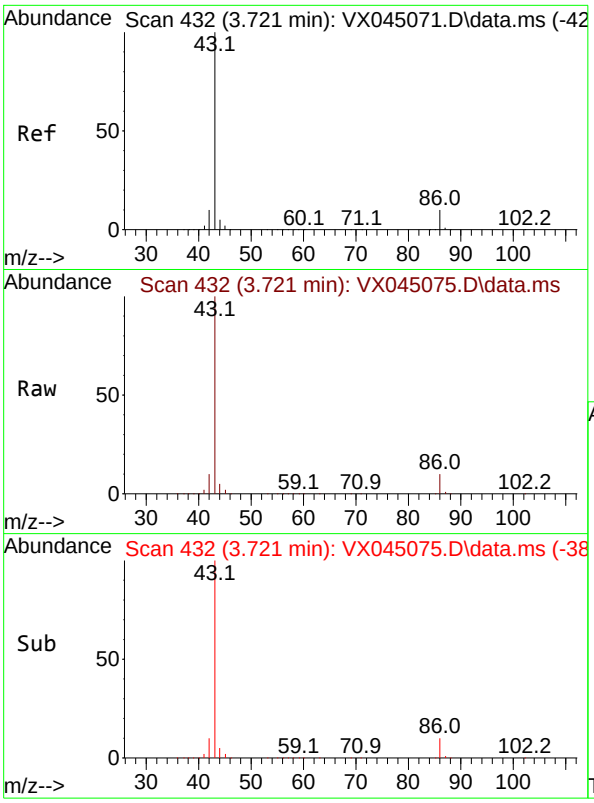


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1



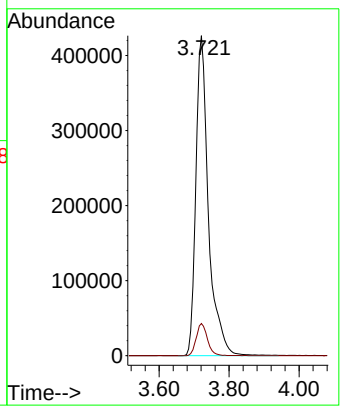


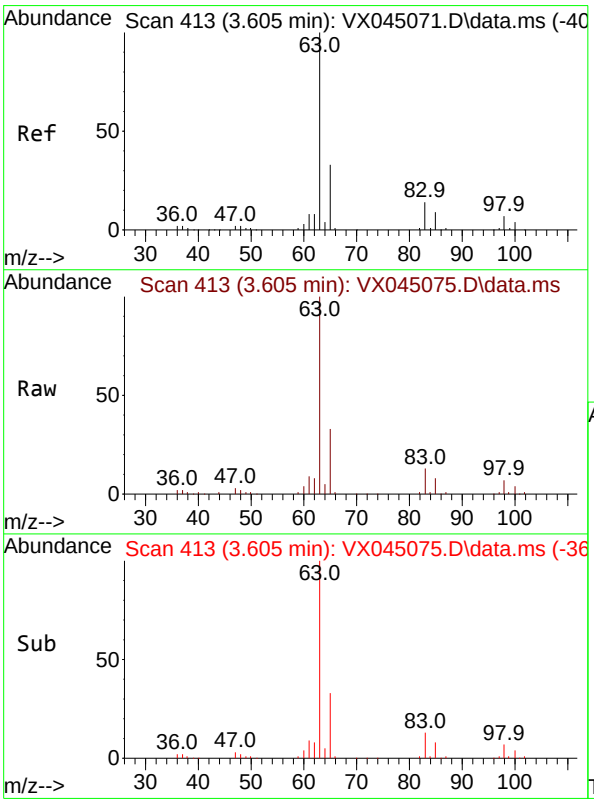
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

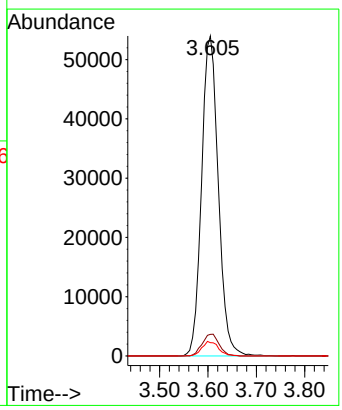


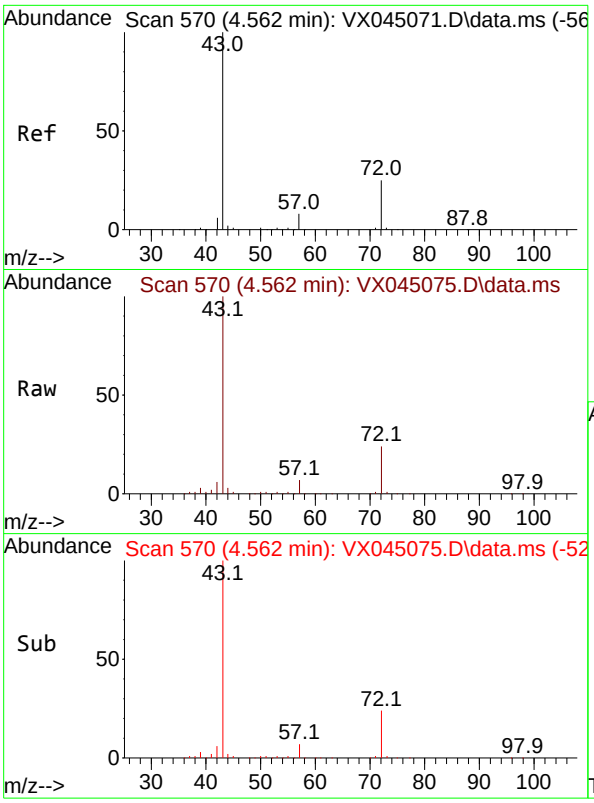


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5



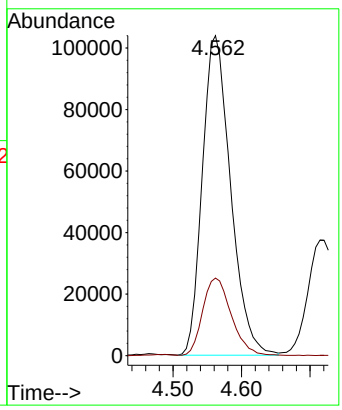


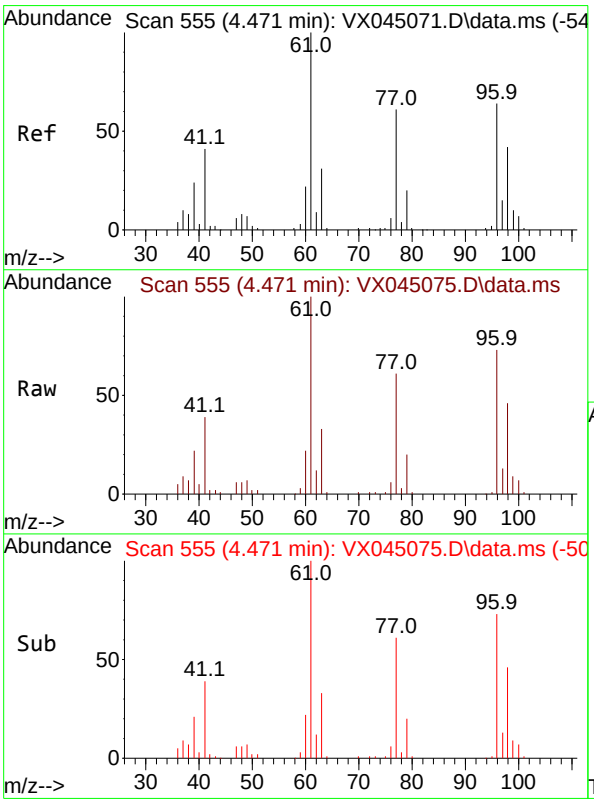
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

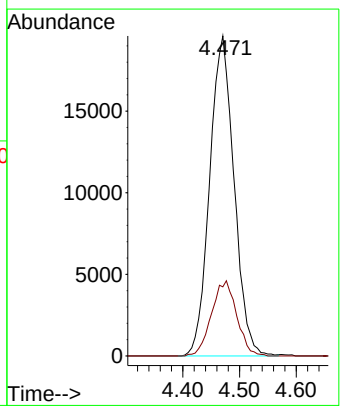


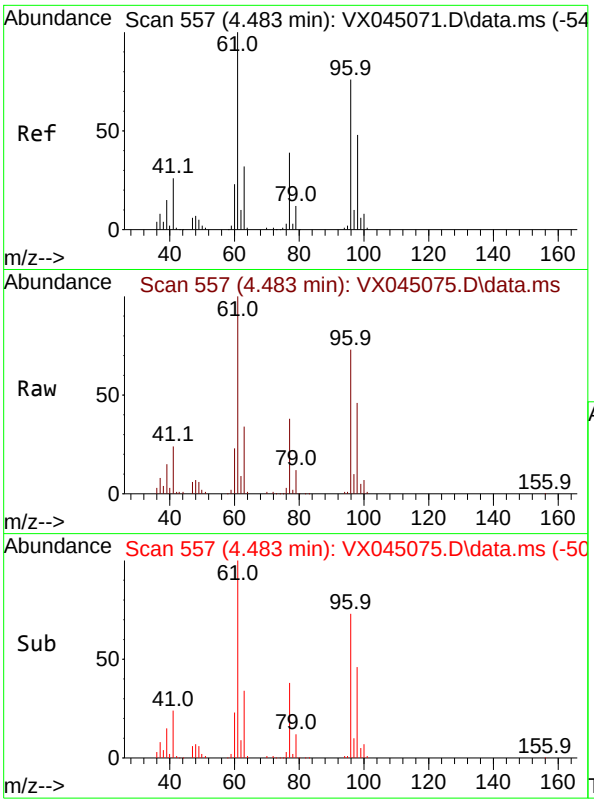


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



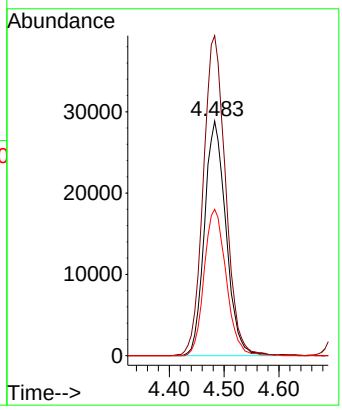


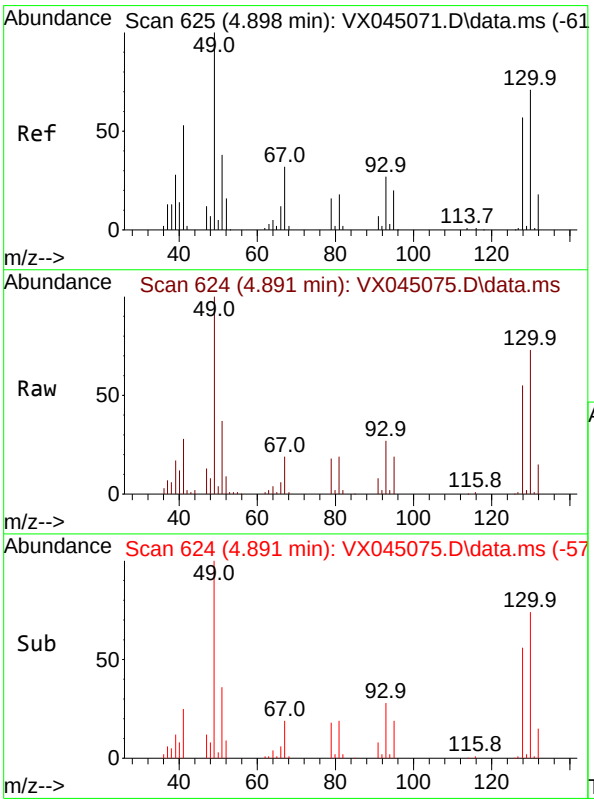
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 78576

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

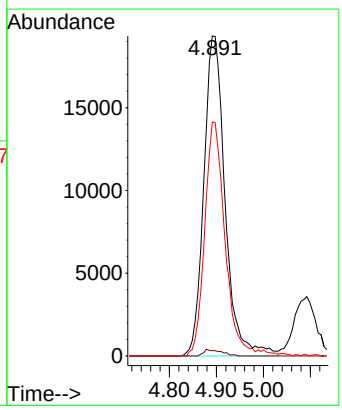


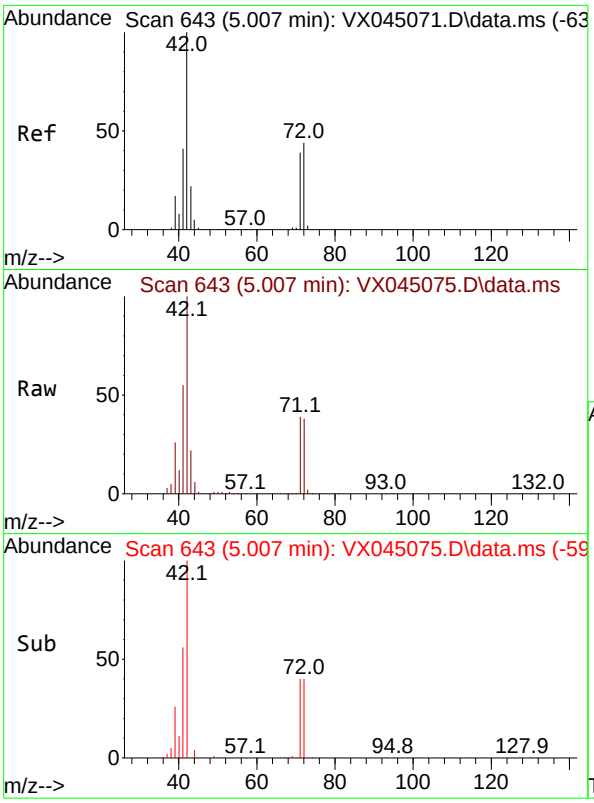


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1



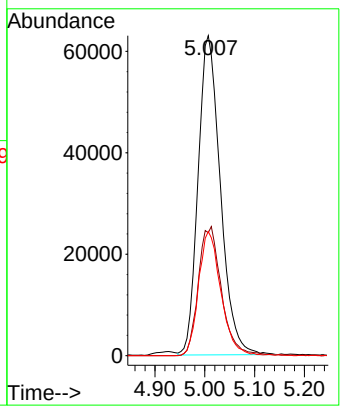


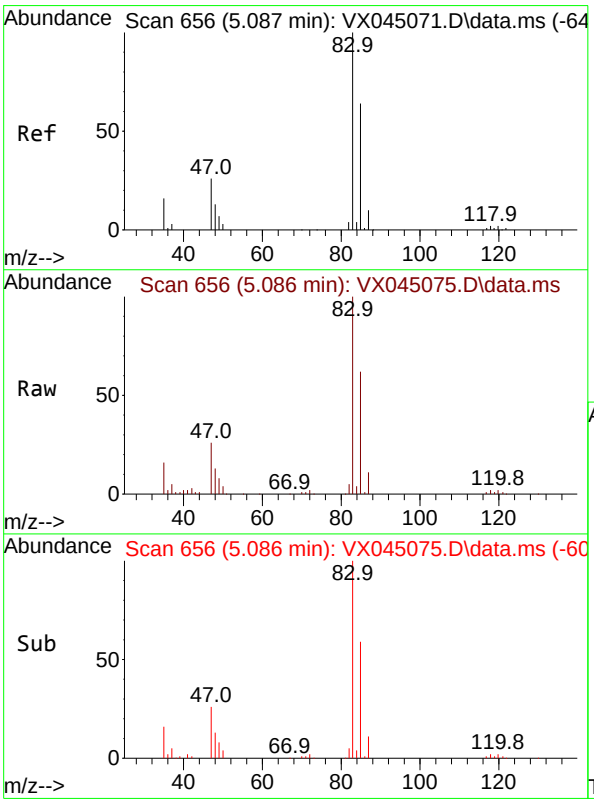
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 42 Resp: 195768

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

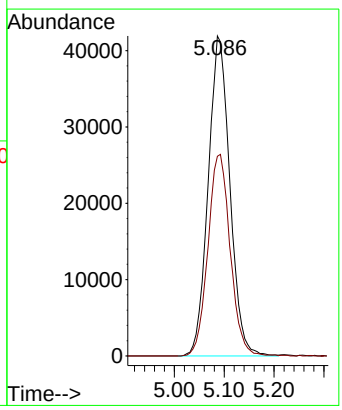


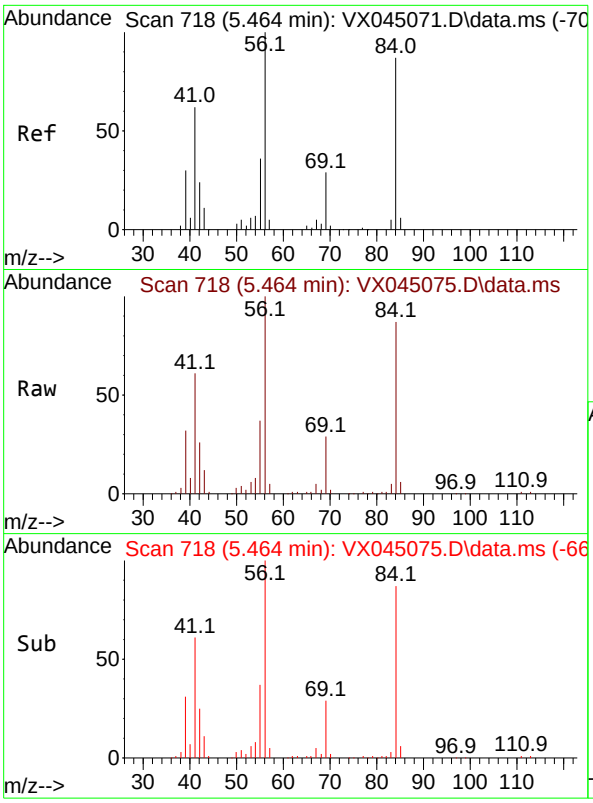


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



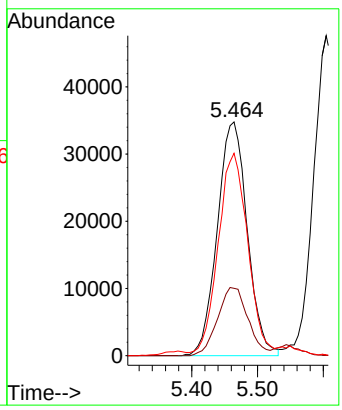


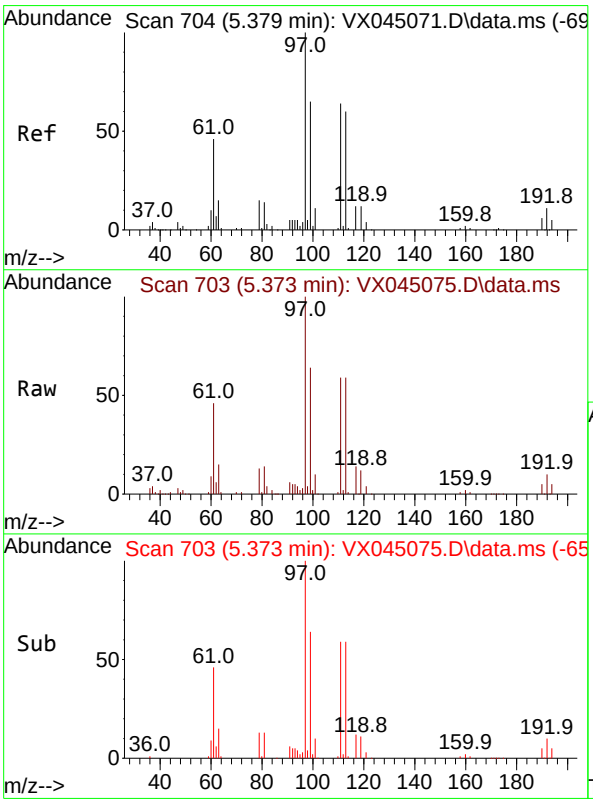
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 110288

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2

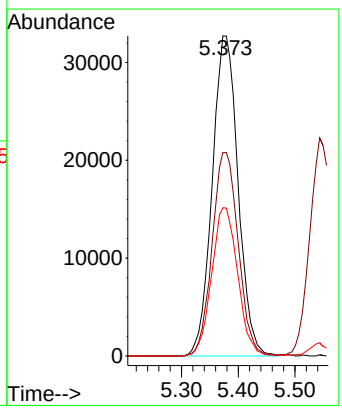


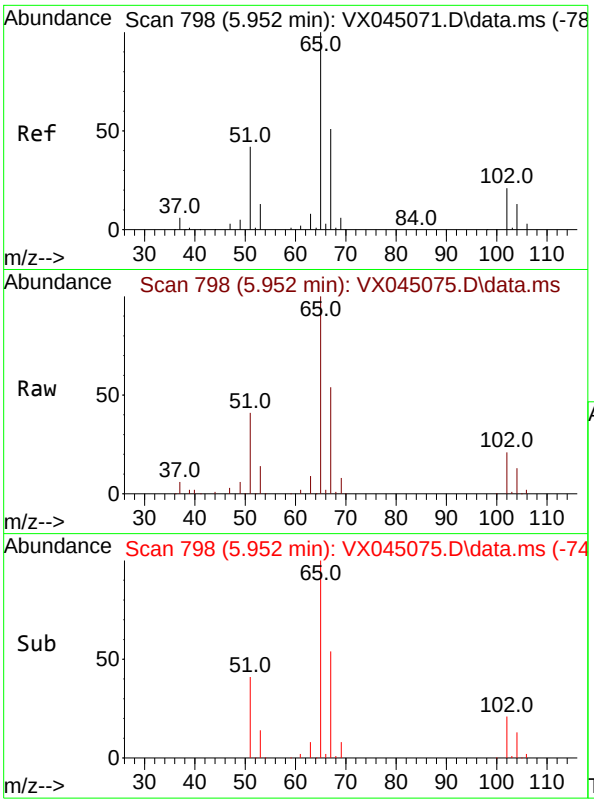


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6



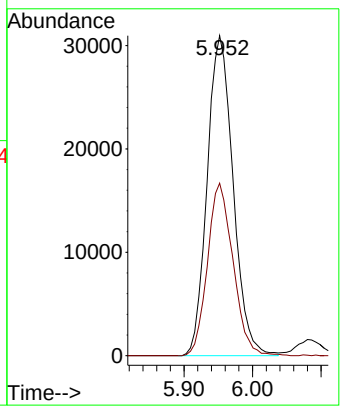


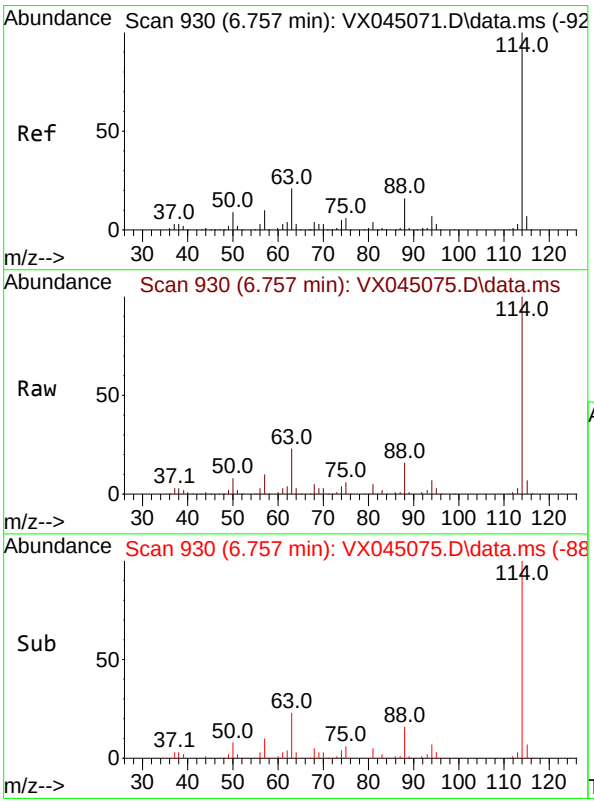
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

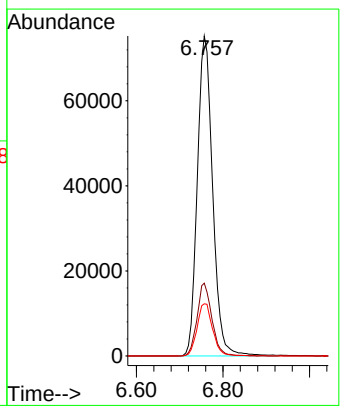


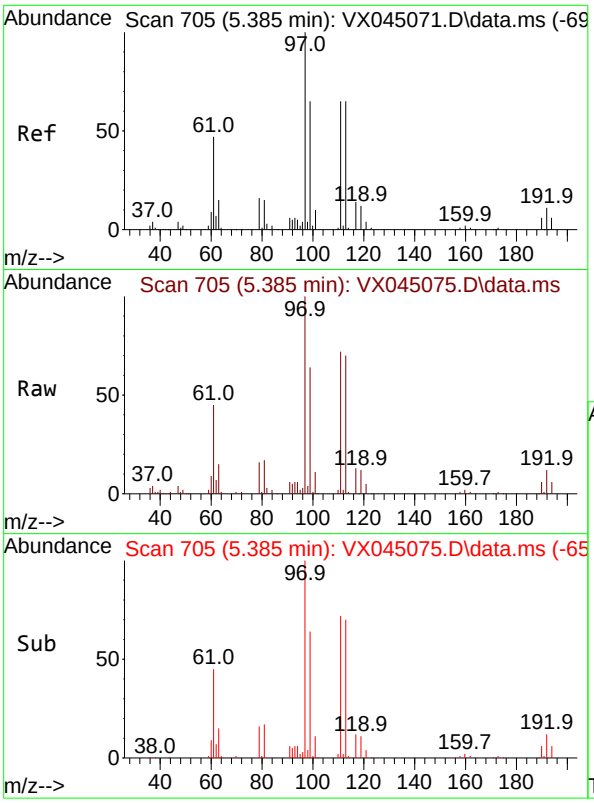


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8



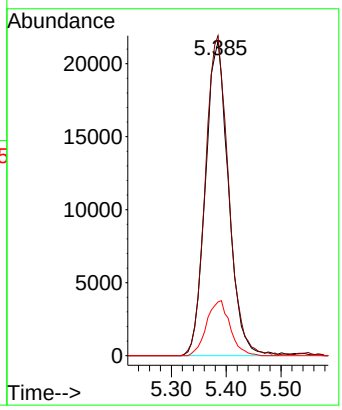


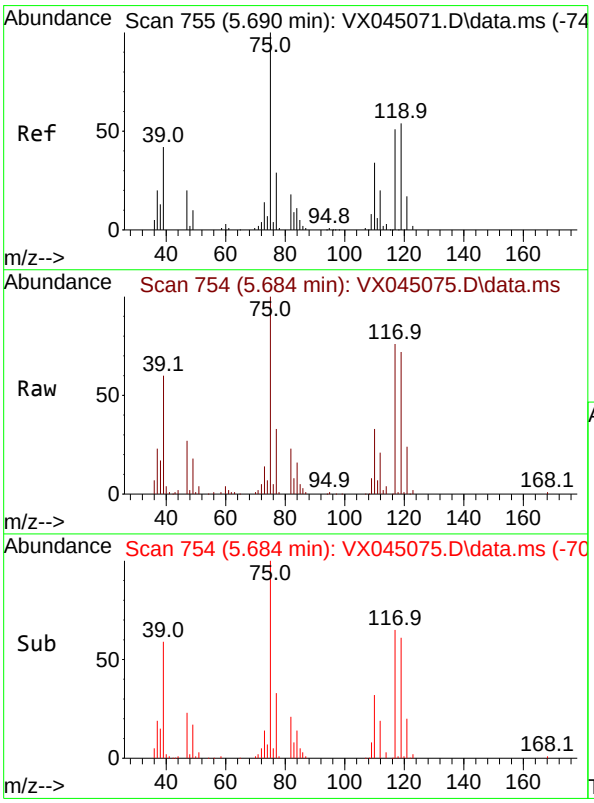
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:113 Resp: 62880

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5

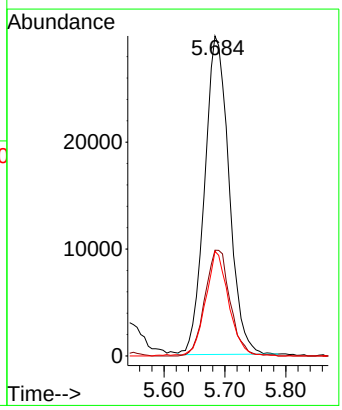


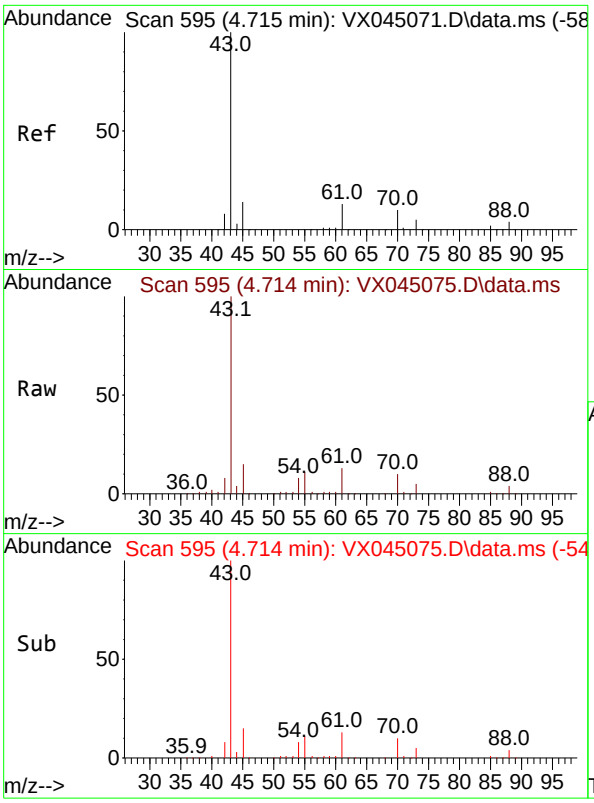


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7



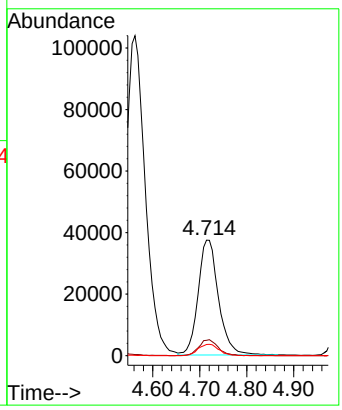


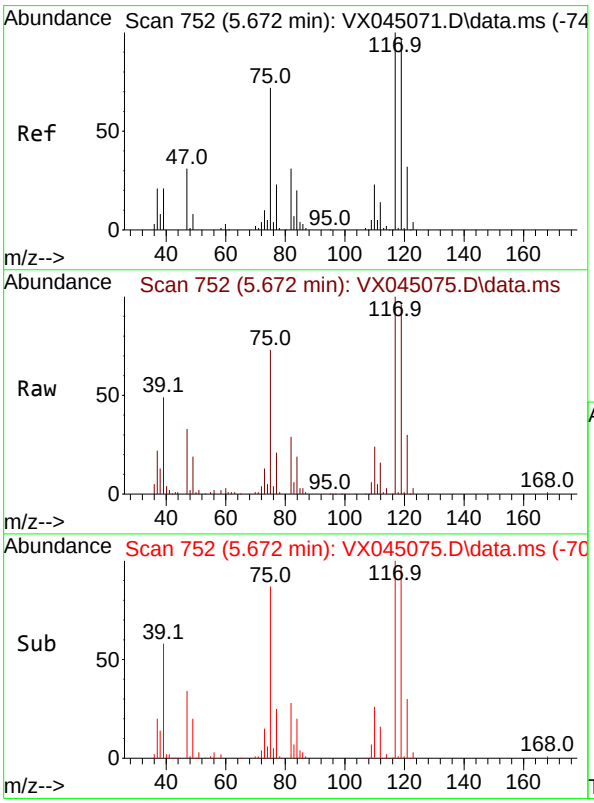
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 112768

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5

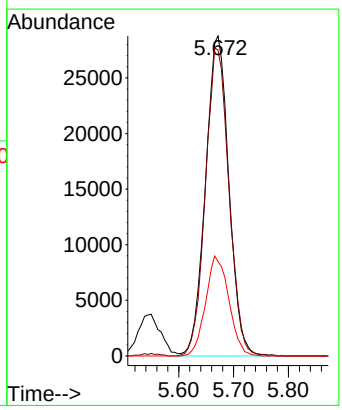


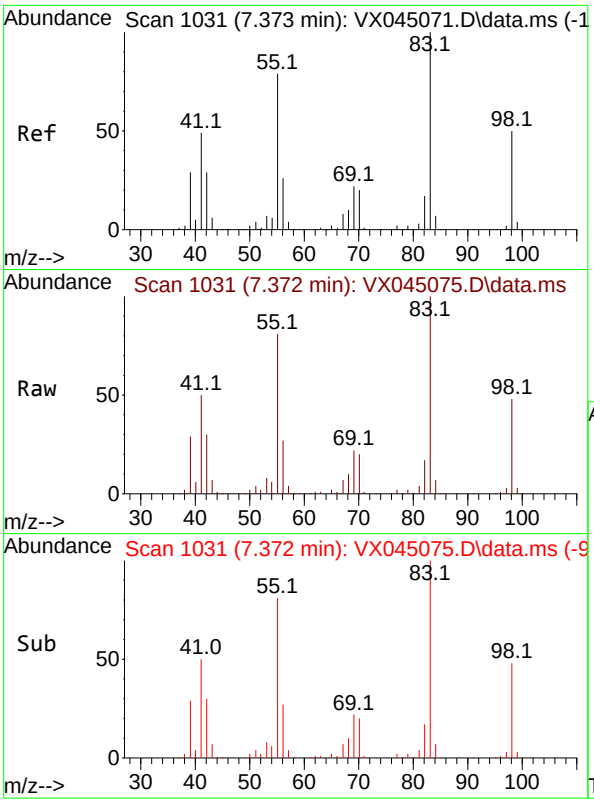


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3



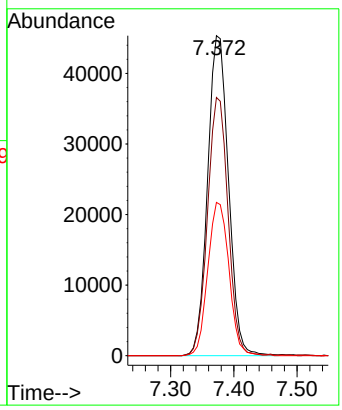


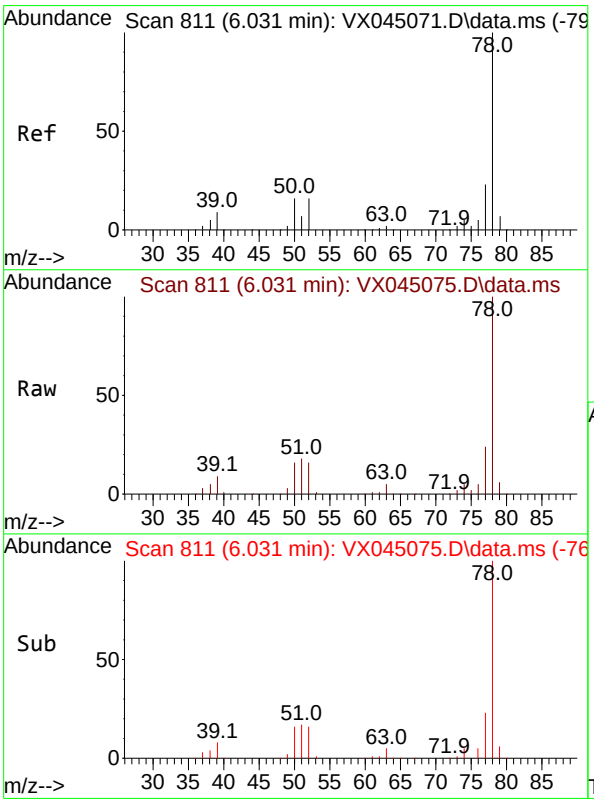
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 103996

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5

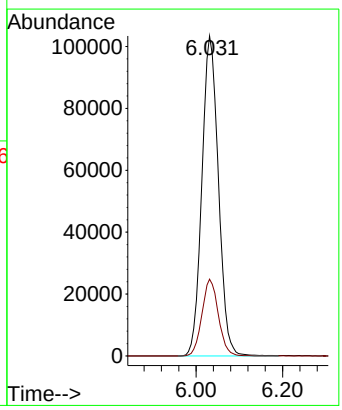


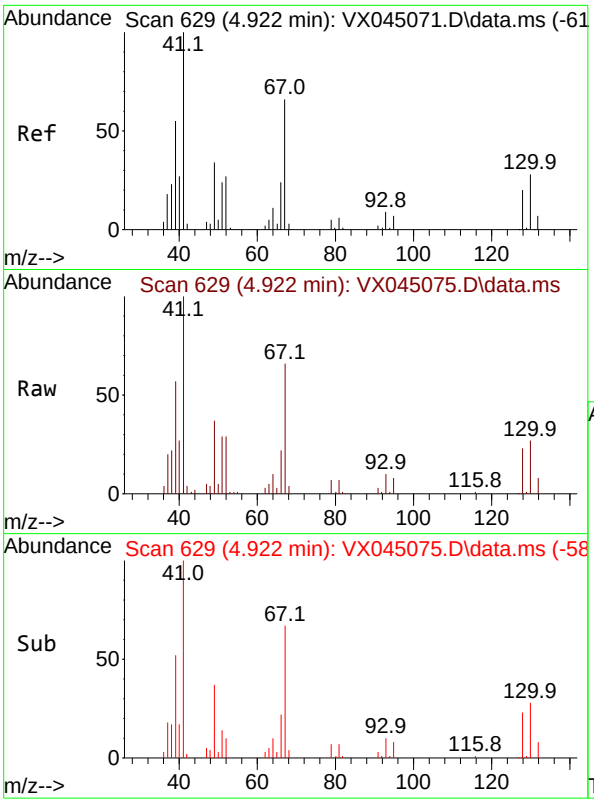


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



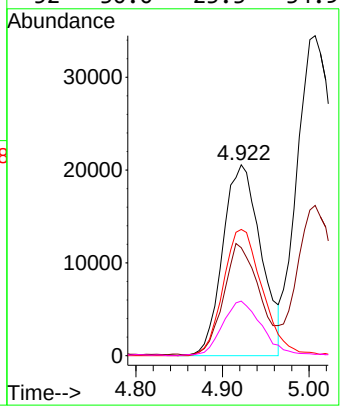


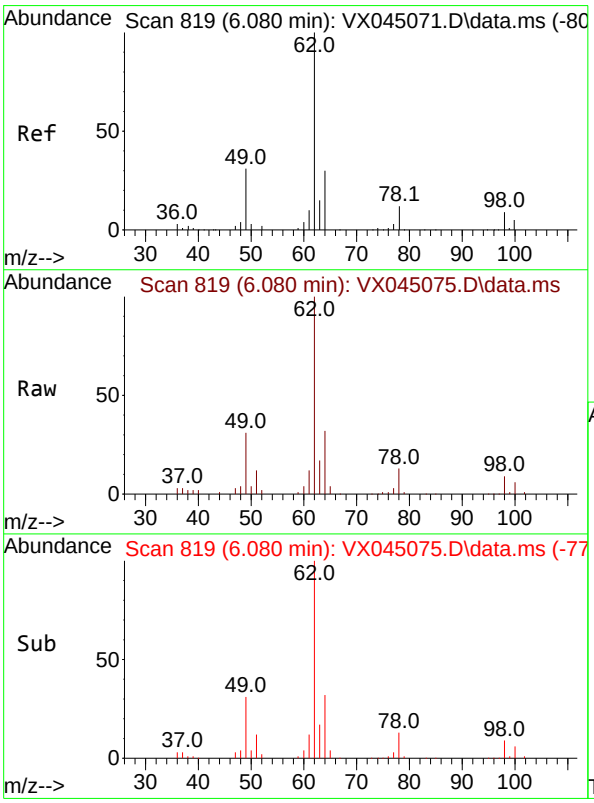
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 41 Resp: 63051

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9

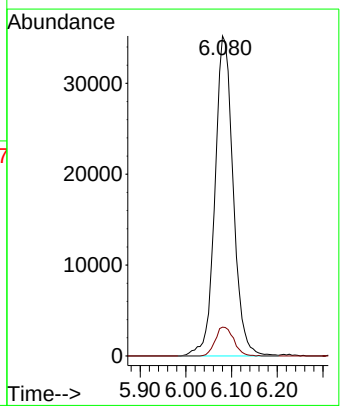


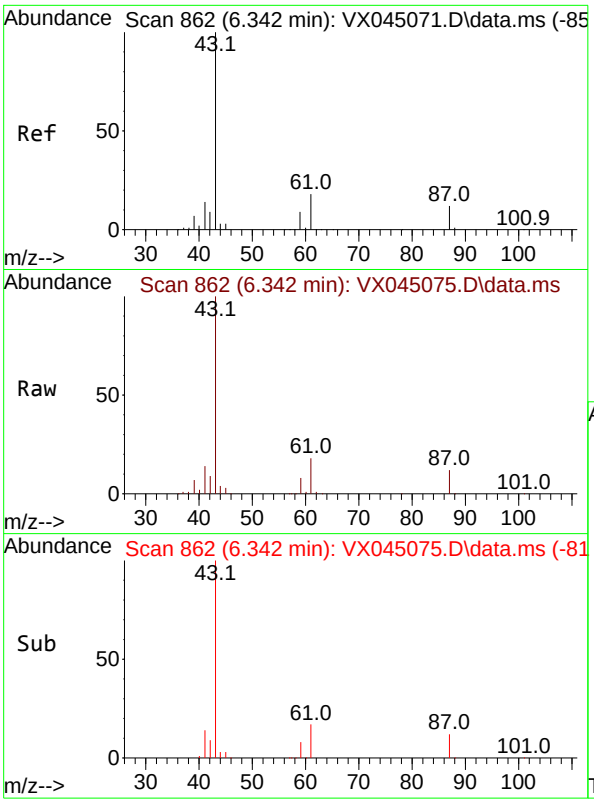


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



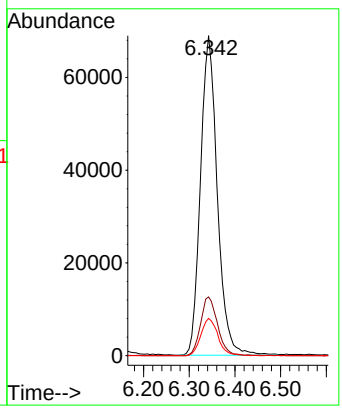


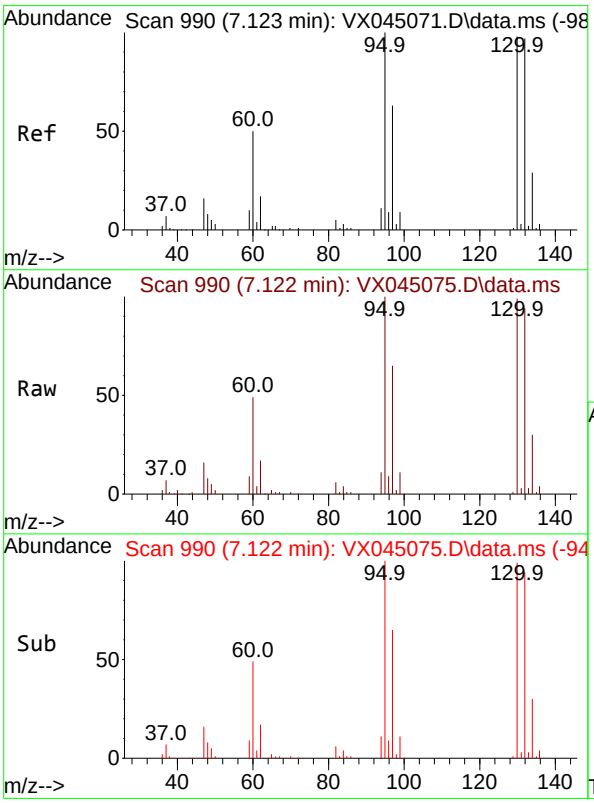
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 175982

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

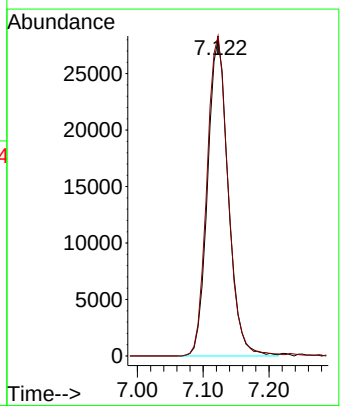


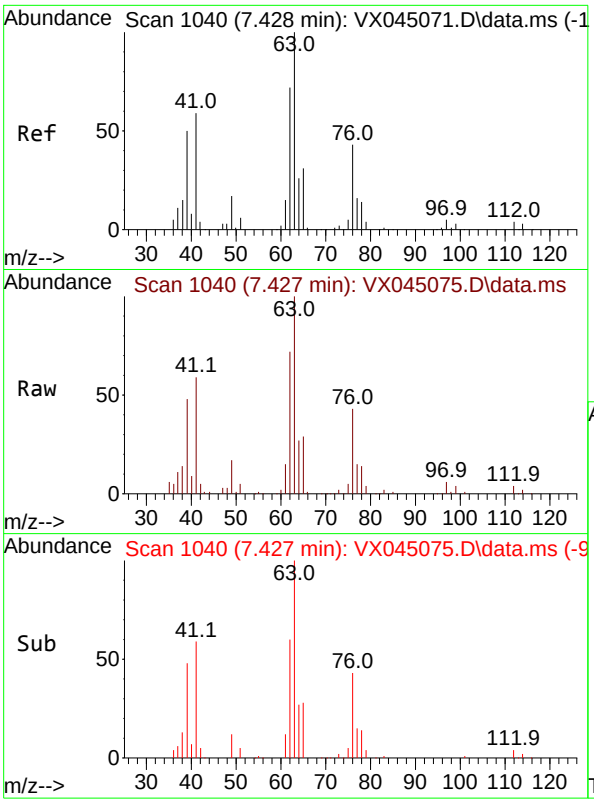


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



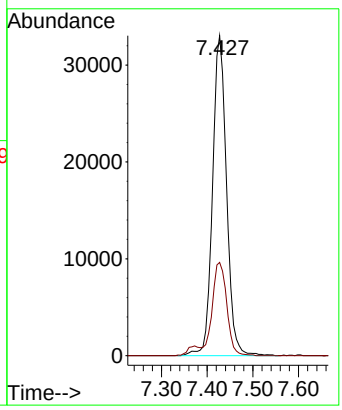


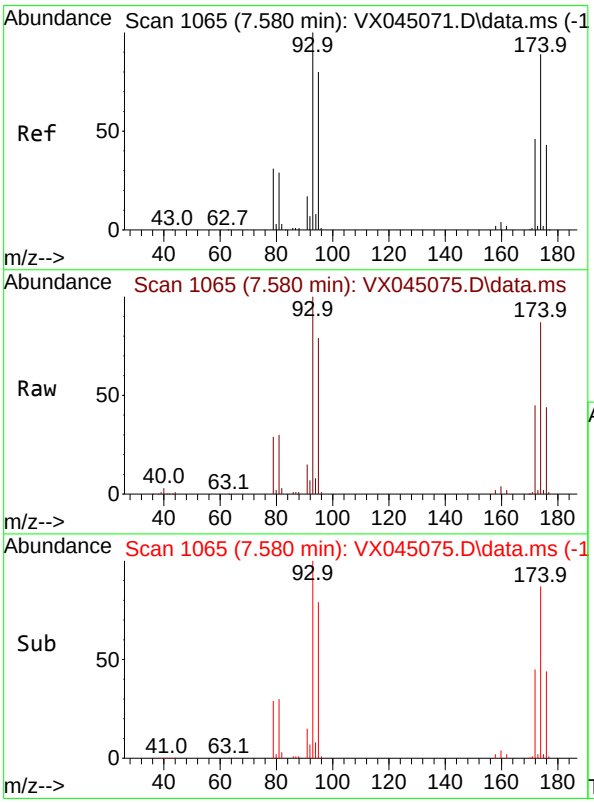
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

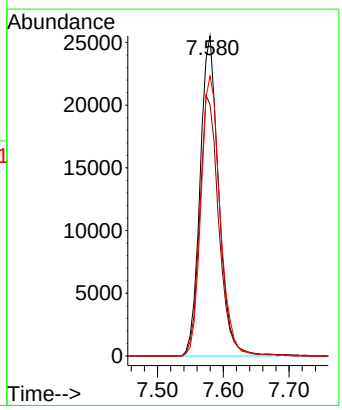


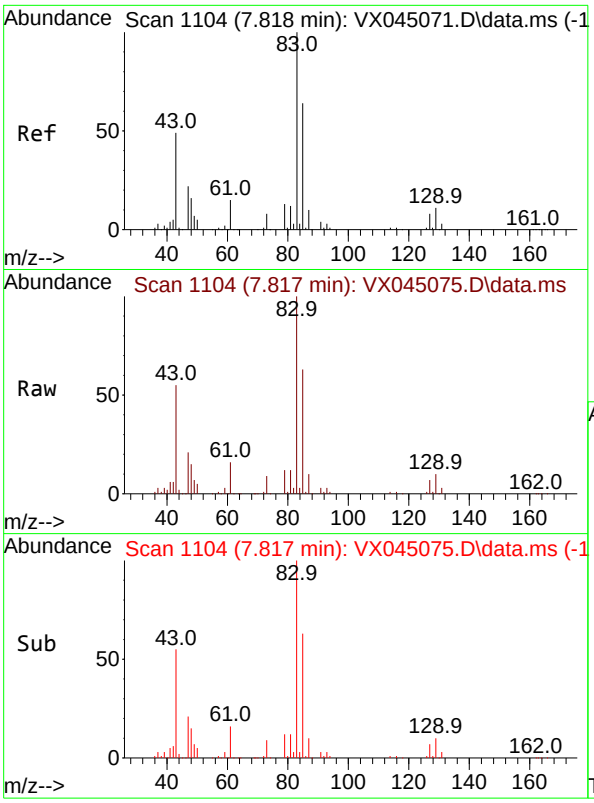


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2



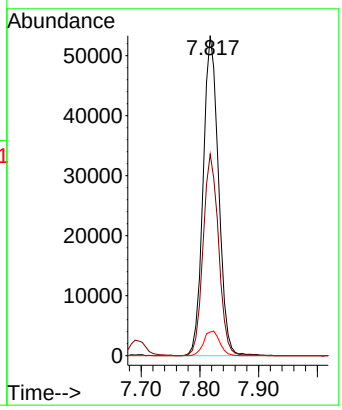


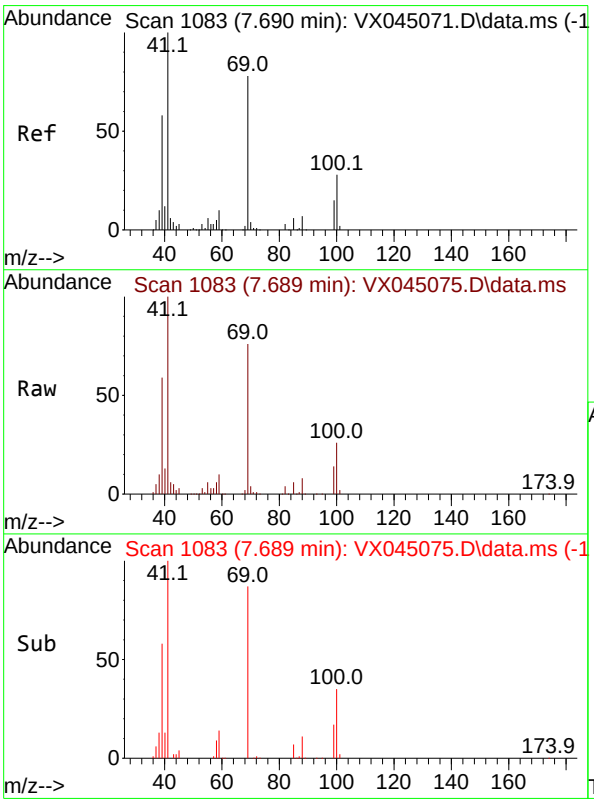
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 97236

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6

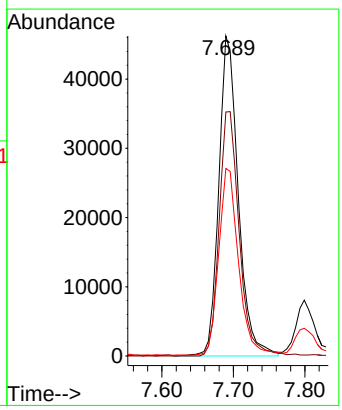


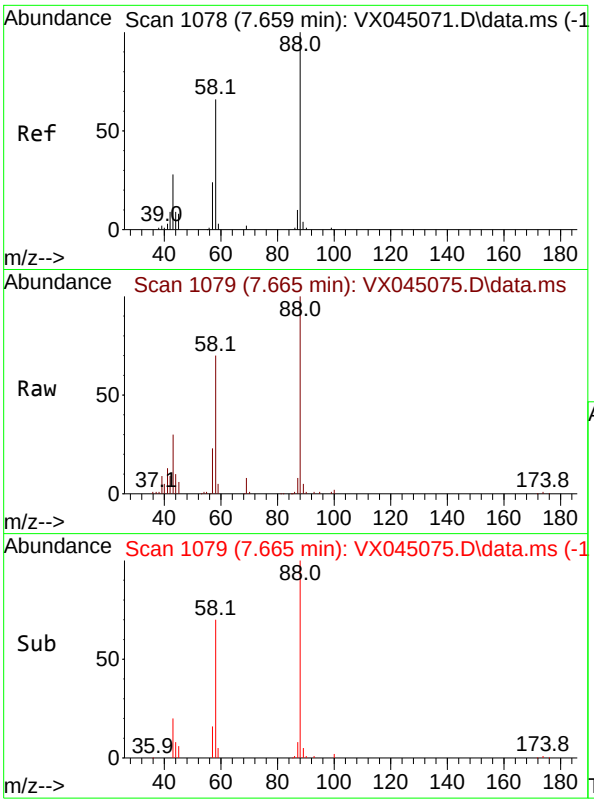


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3



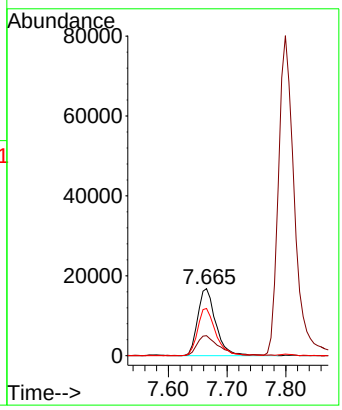


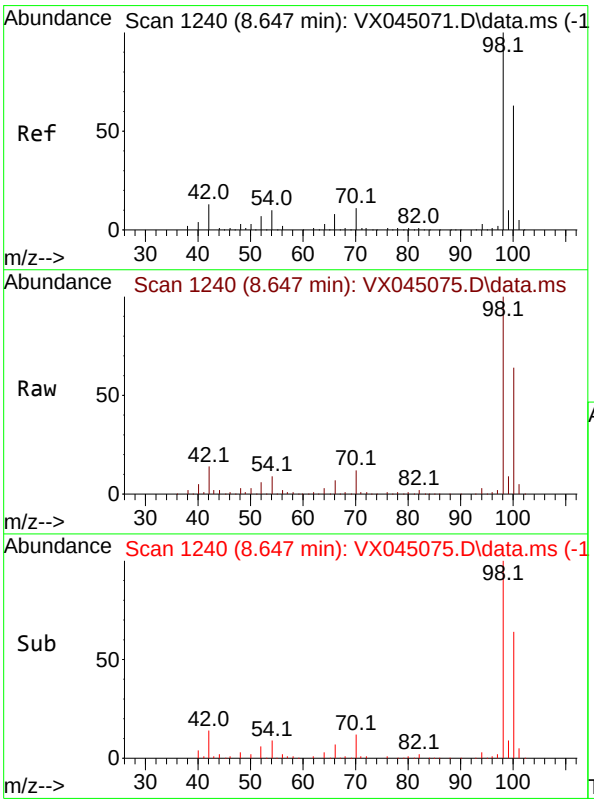
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 88 Resp: 35878

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

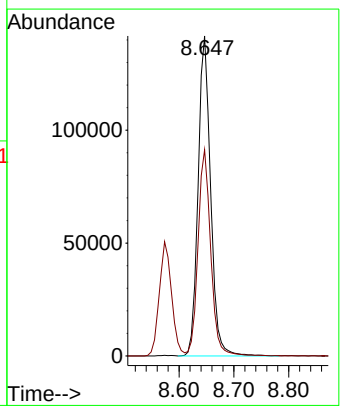


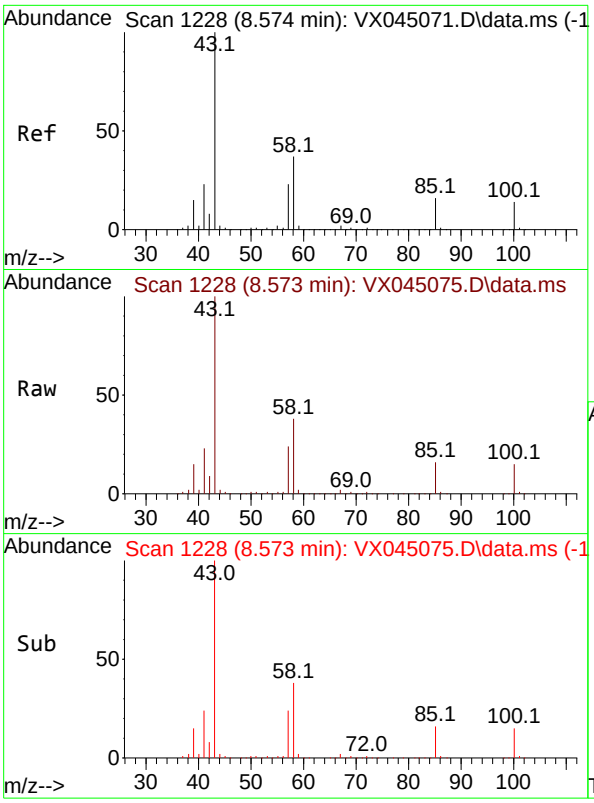


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



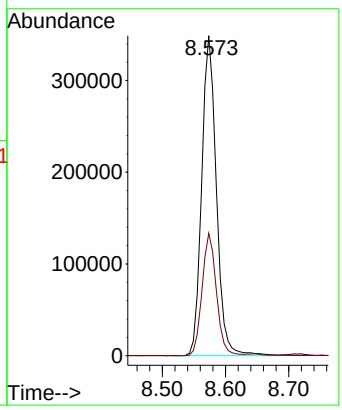


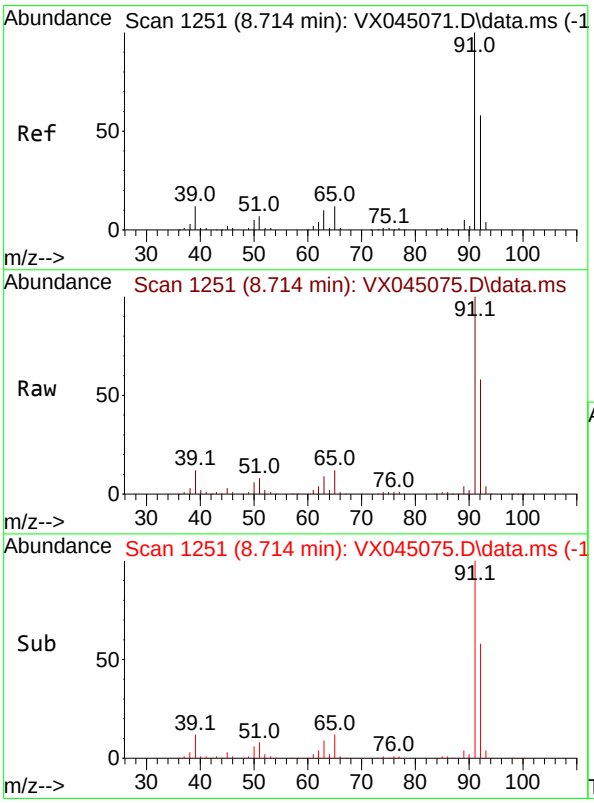
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

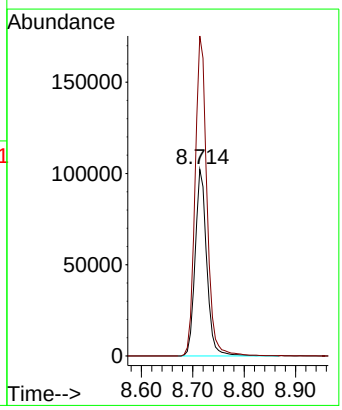


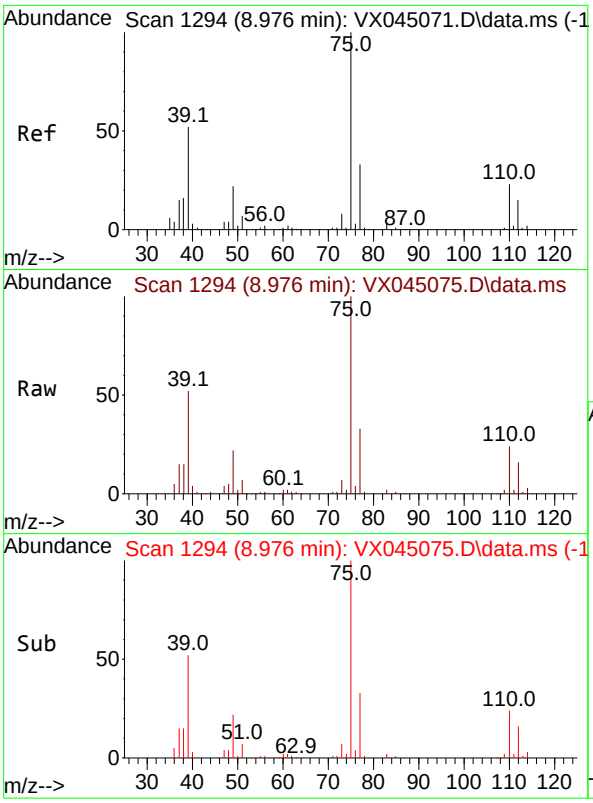


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



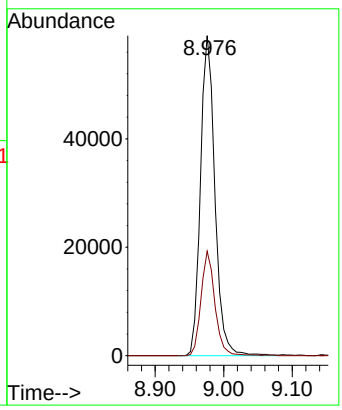


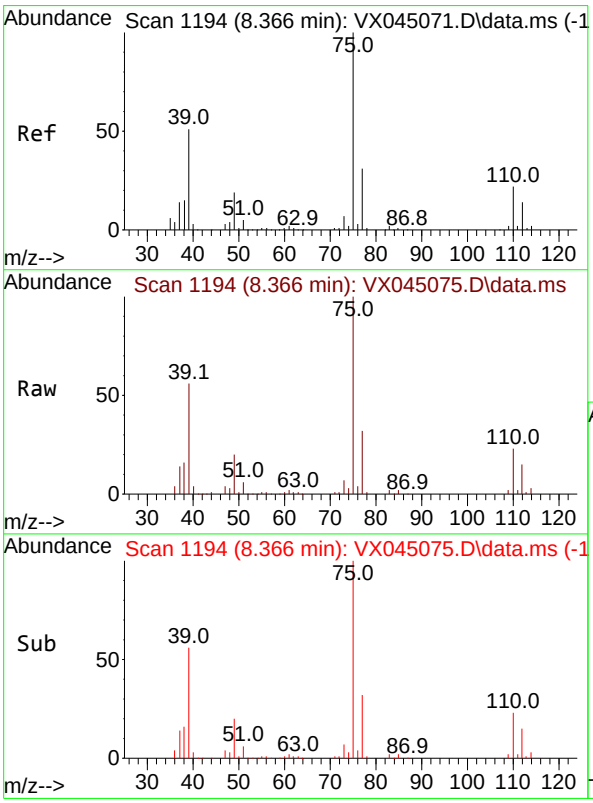
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

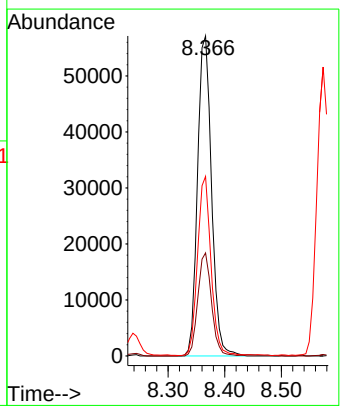


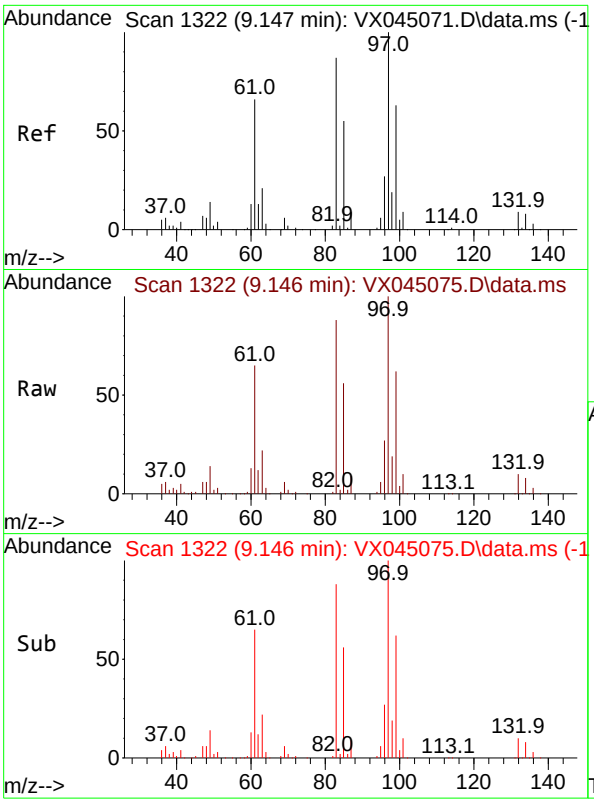


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1



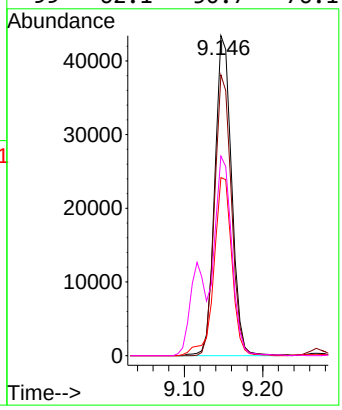


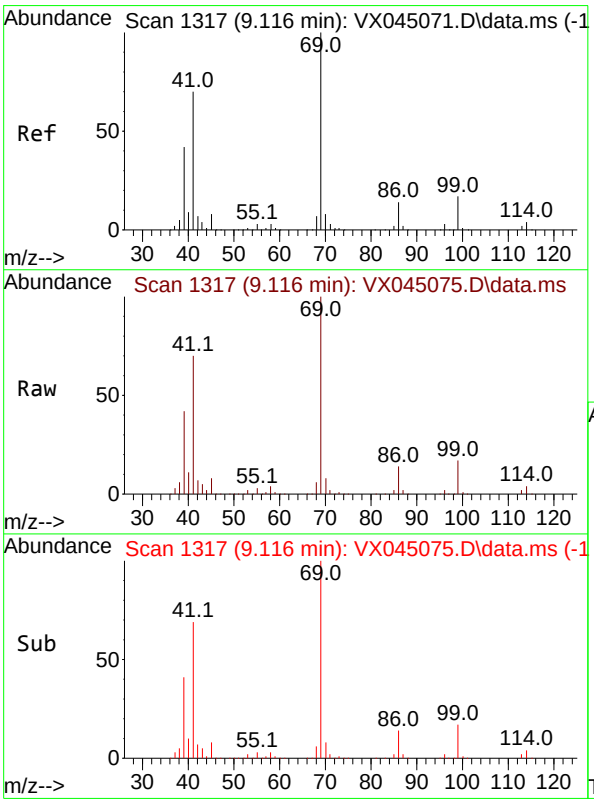
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 97 Resp: 64985

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1

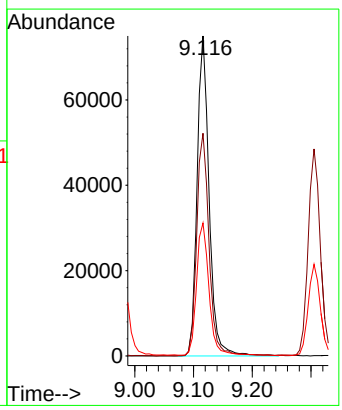


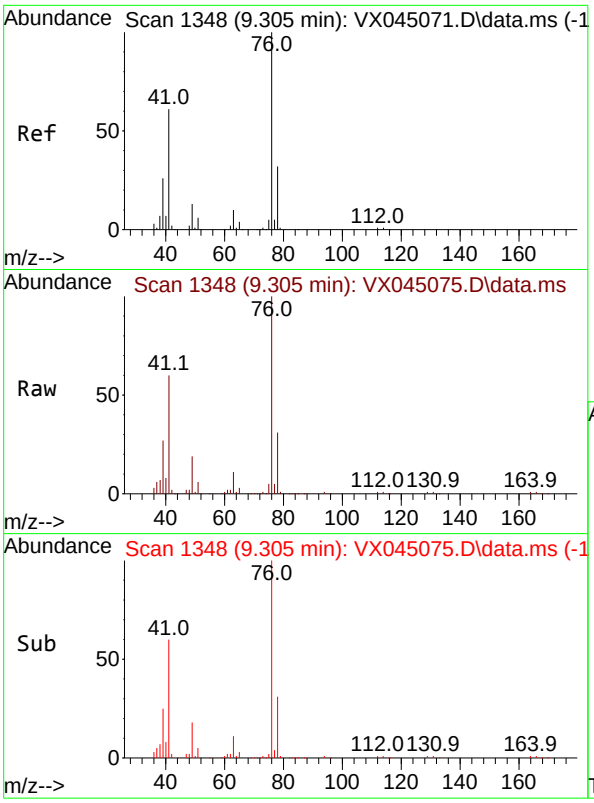


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4



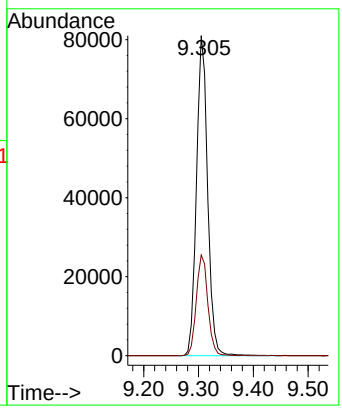


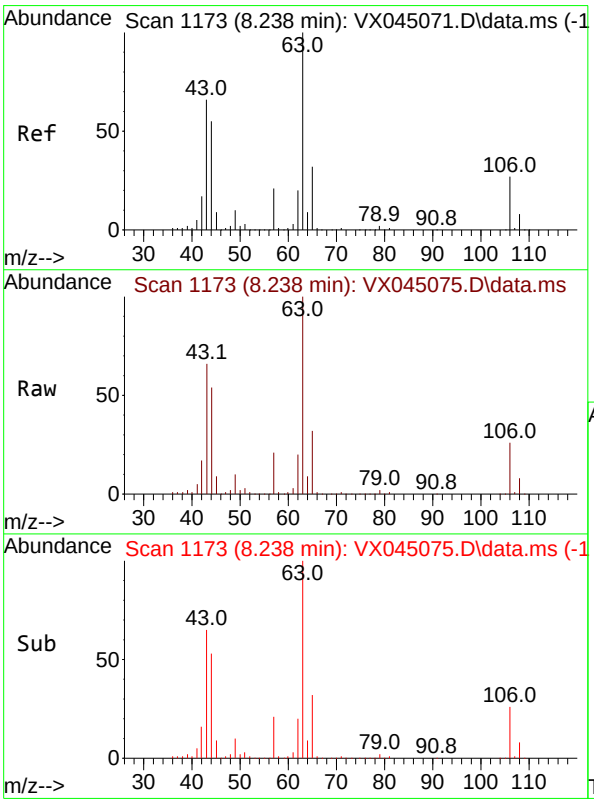
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

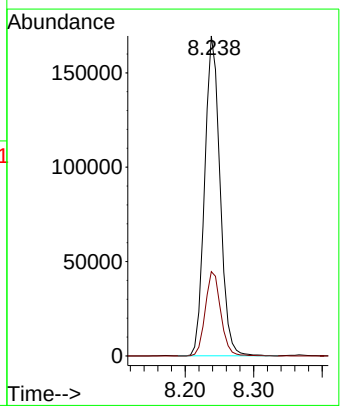


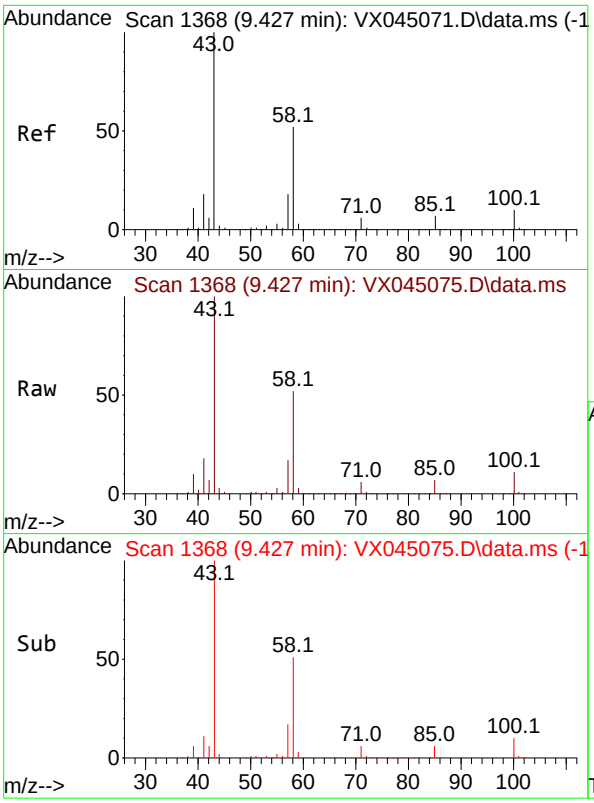


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



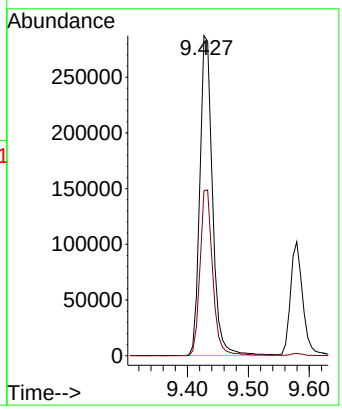


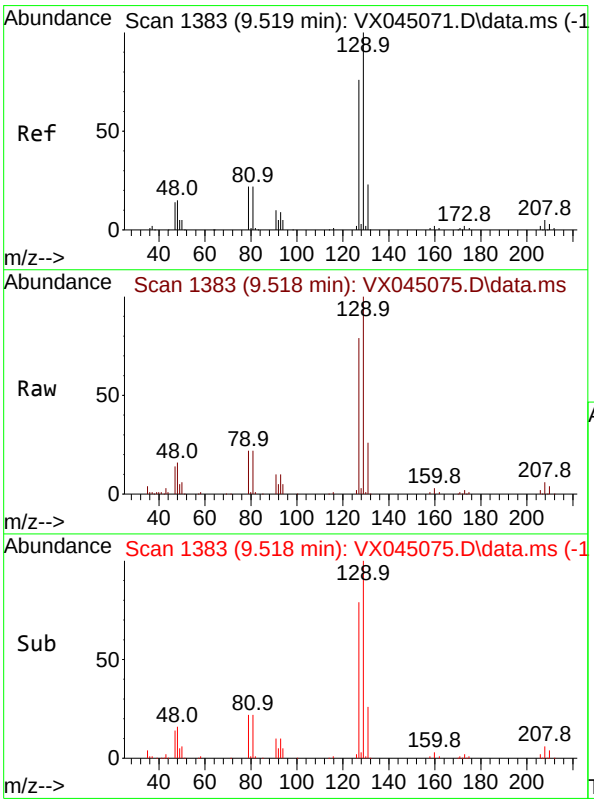
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

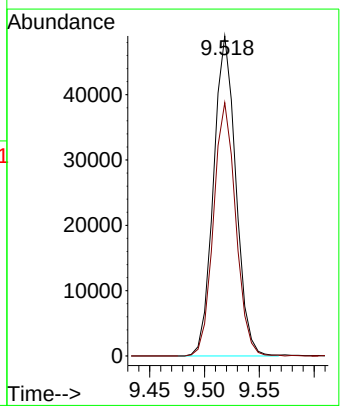


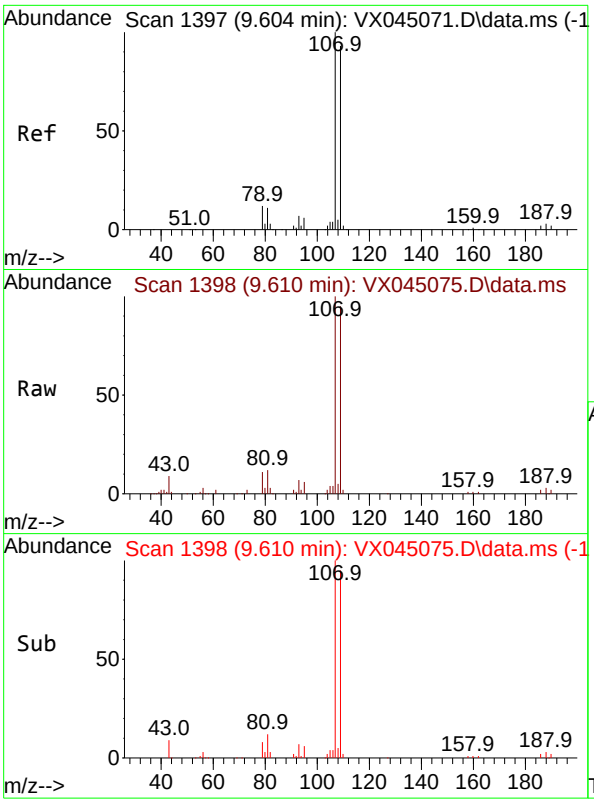


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



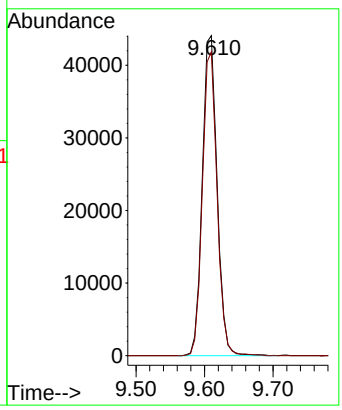


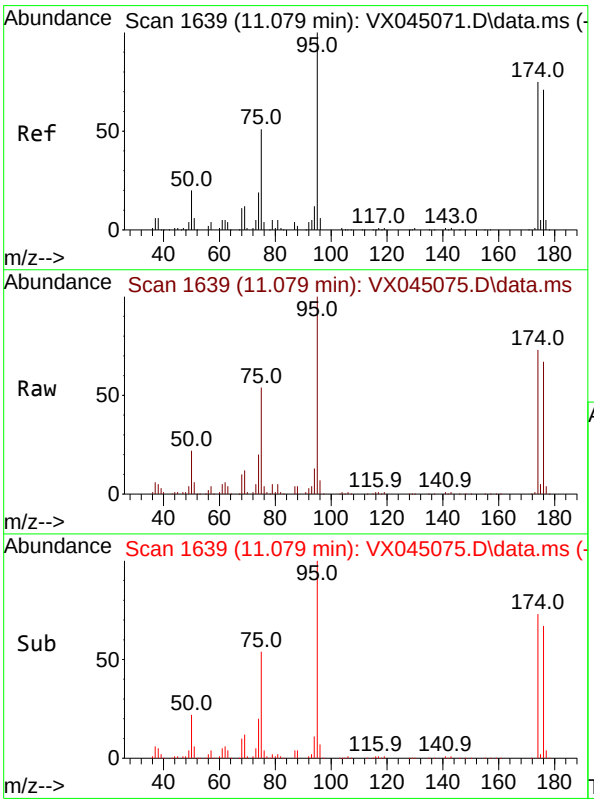
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

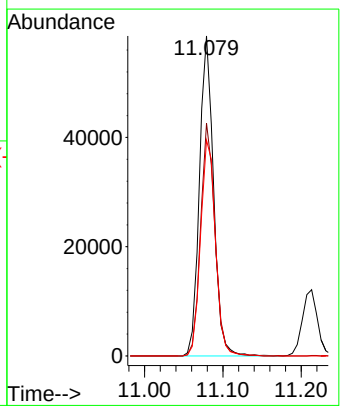


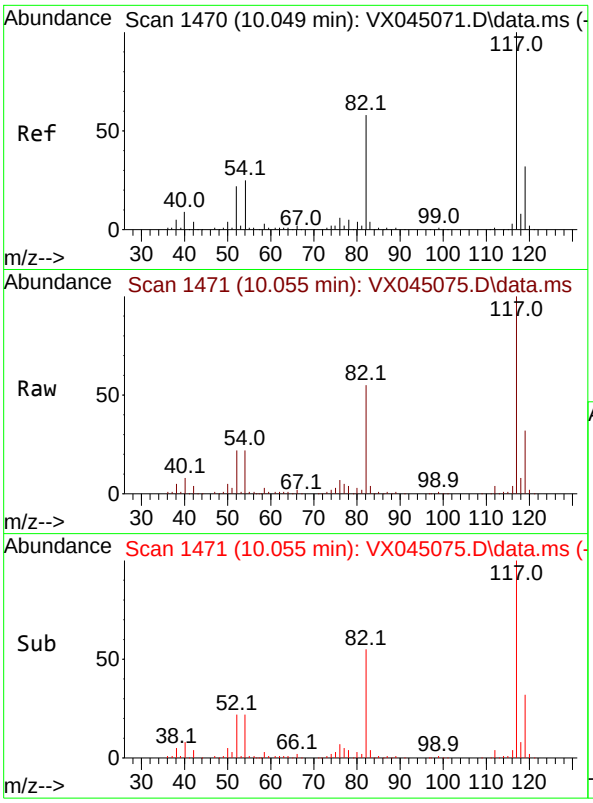


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4



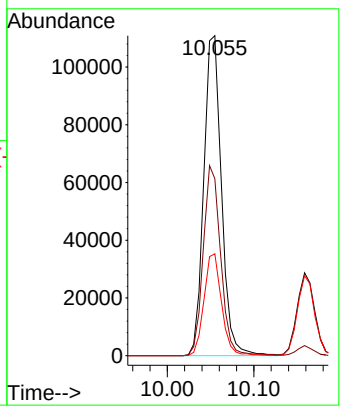


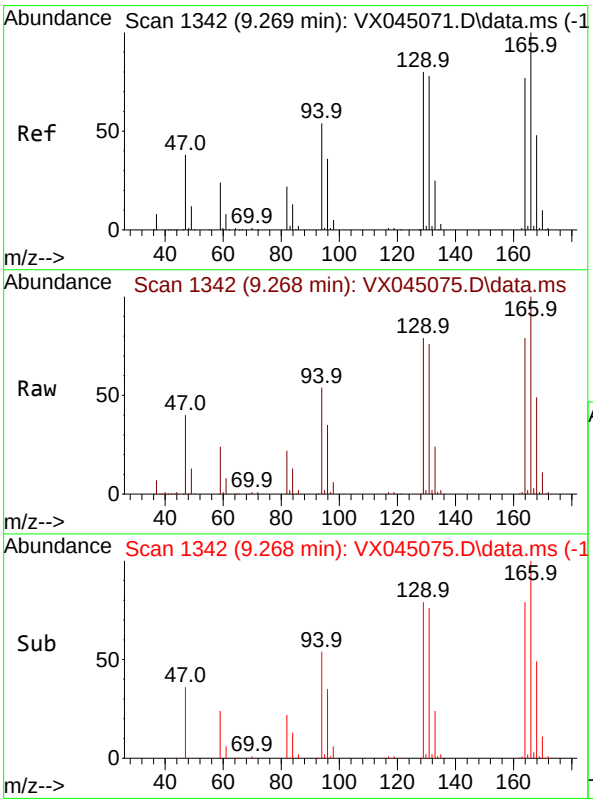
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:117 Resp: 157797

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

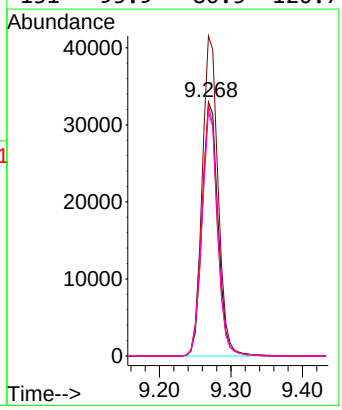


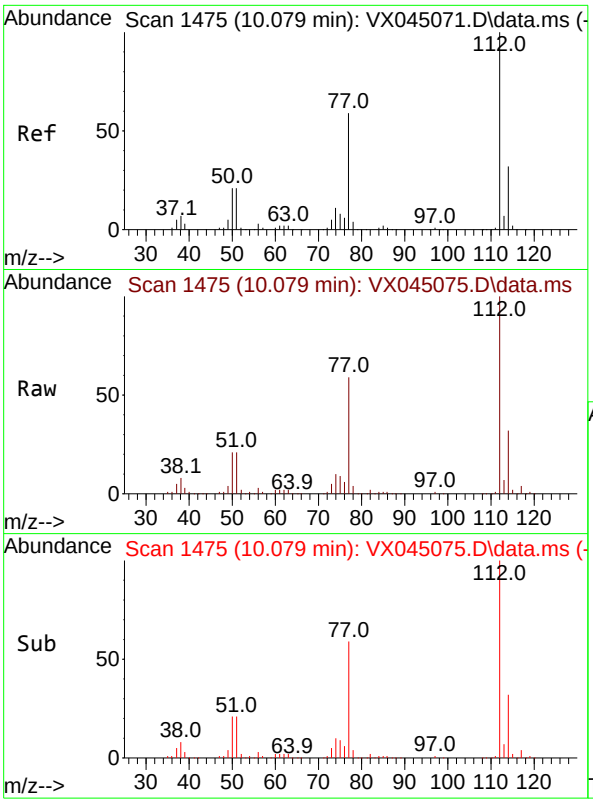


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7



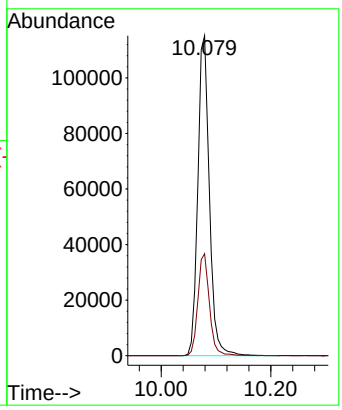


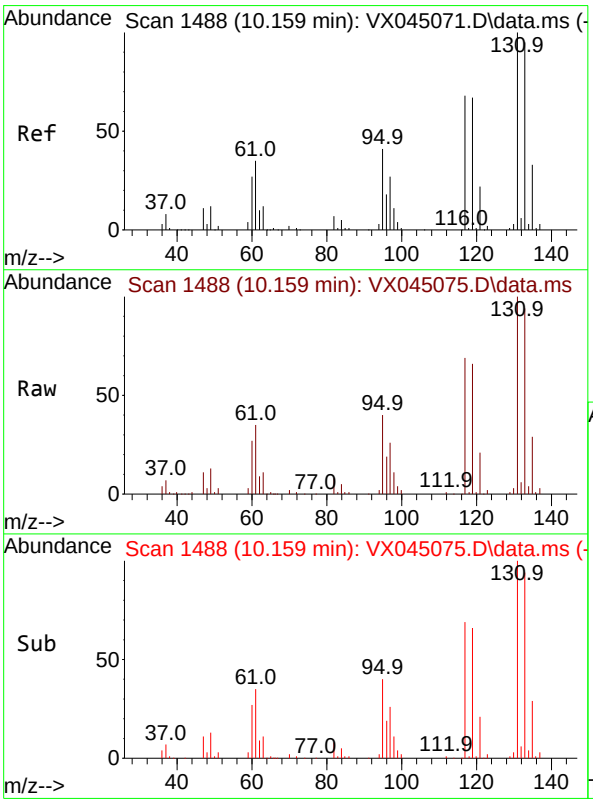
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

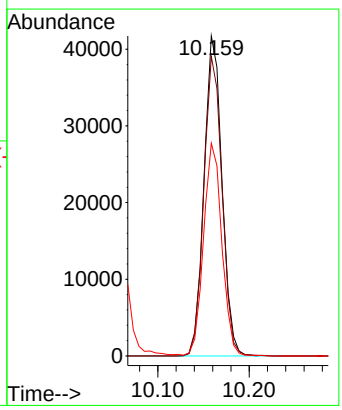


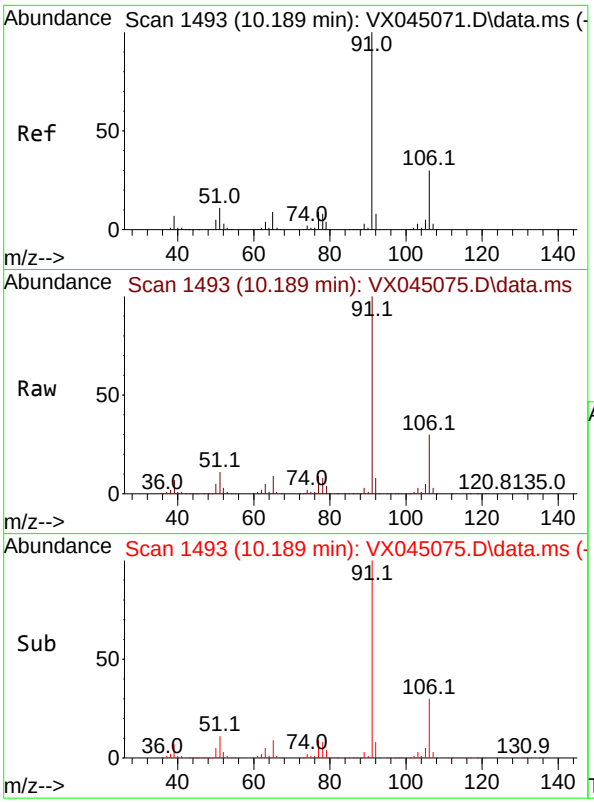


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7



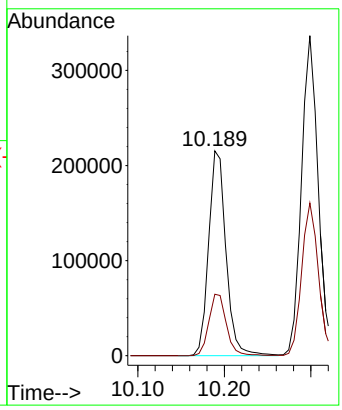


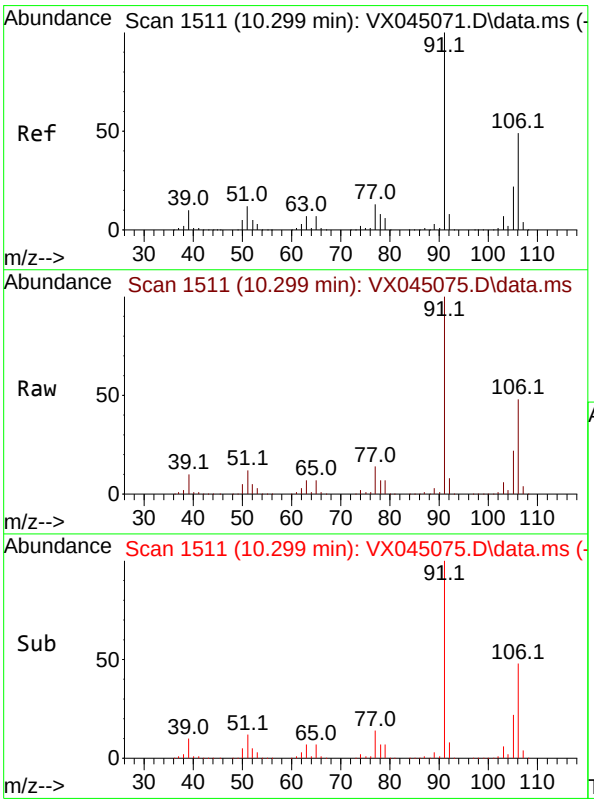
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

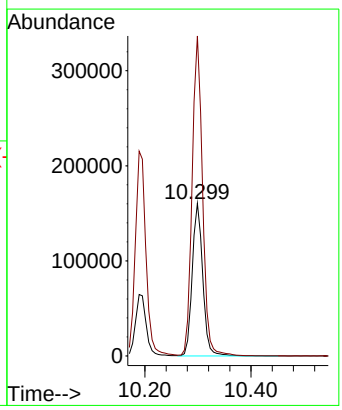


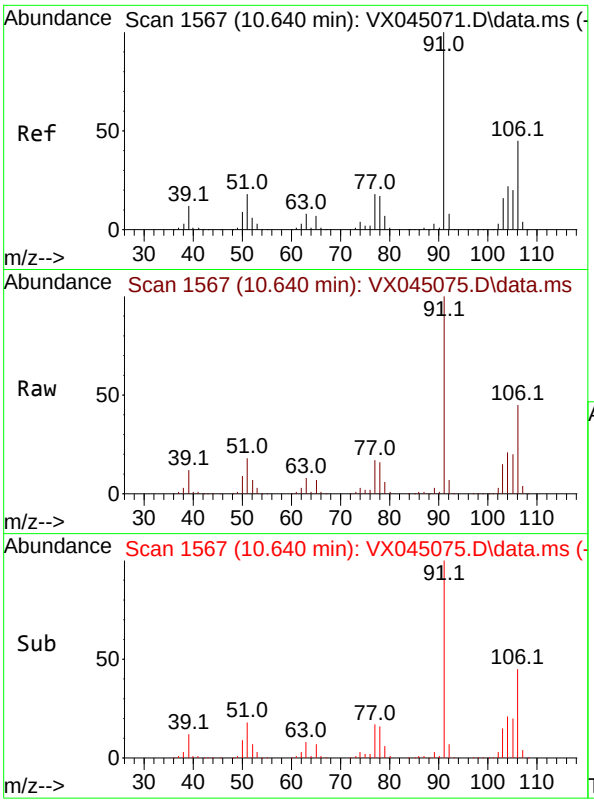


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



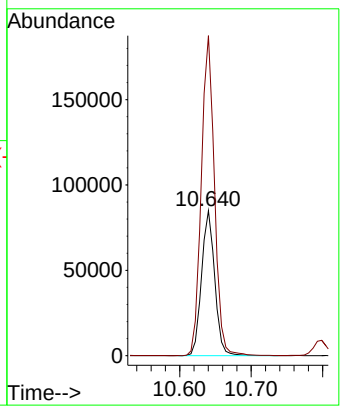


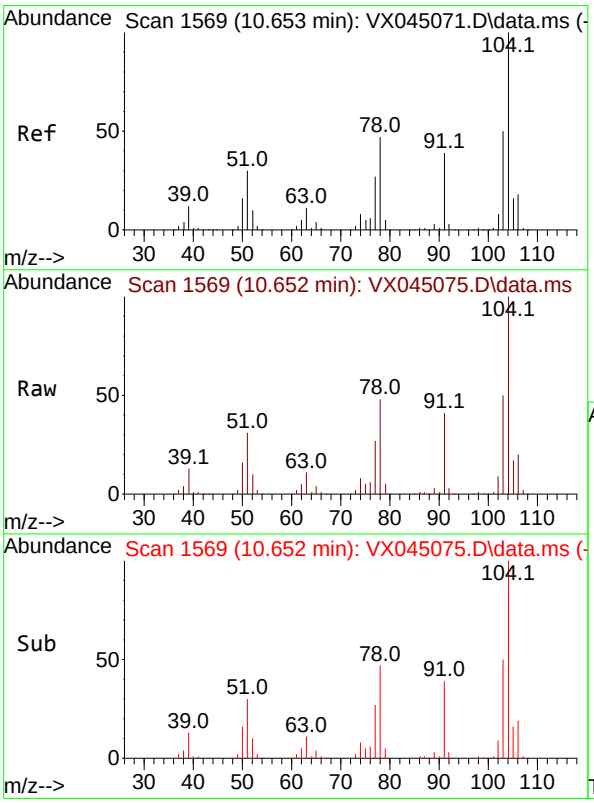
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

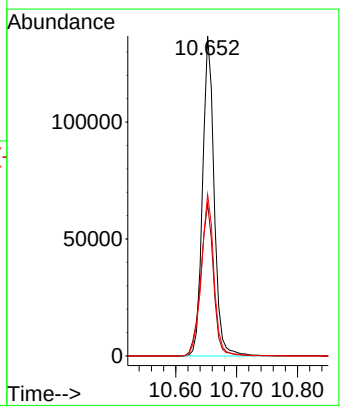


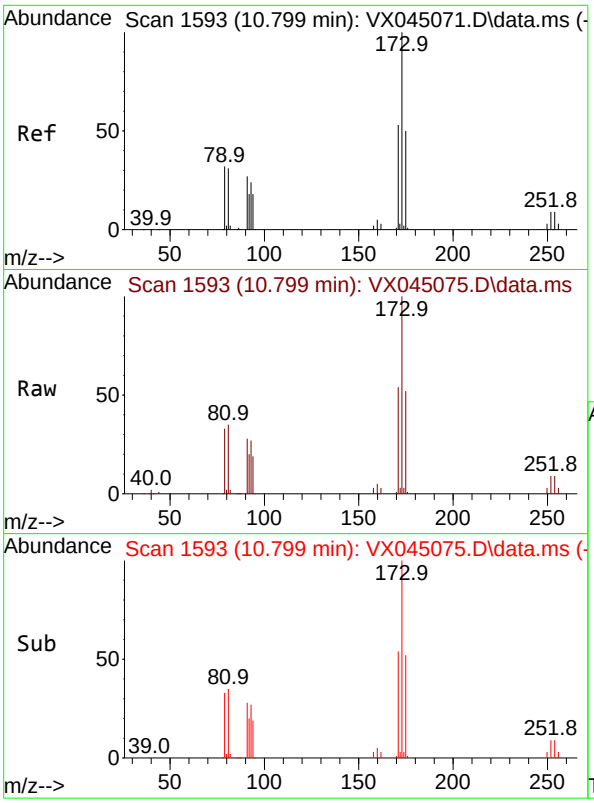


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



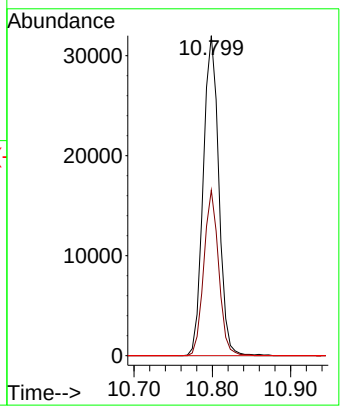


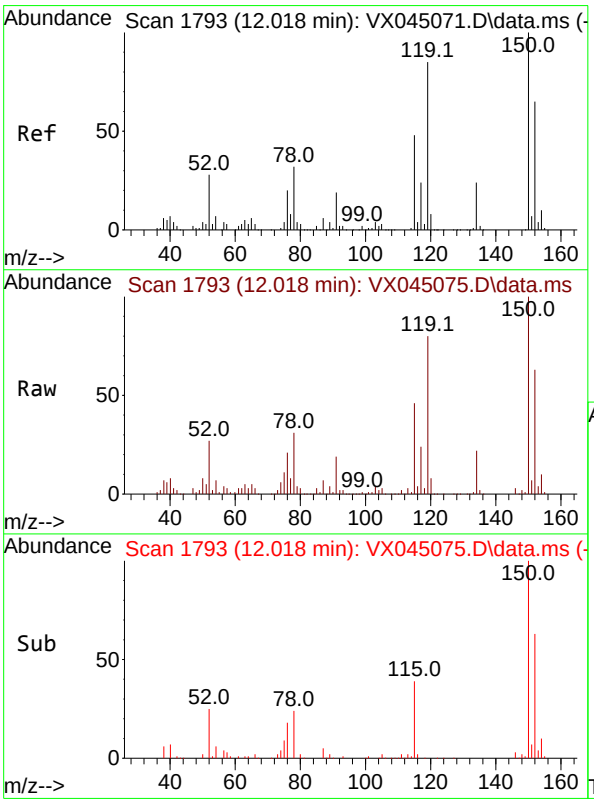
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:173 Resp: 44135

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0

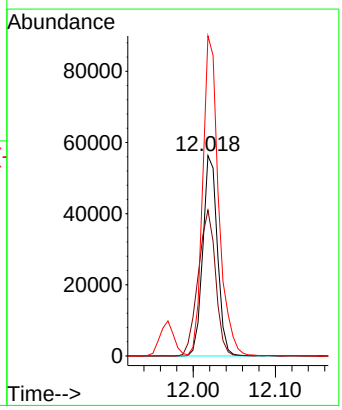


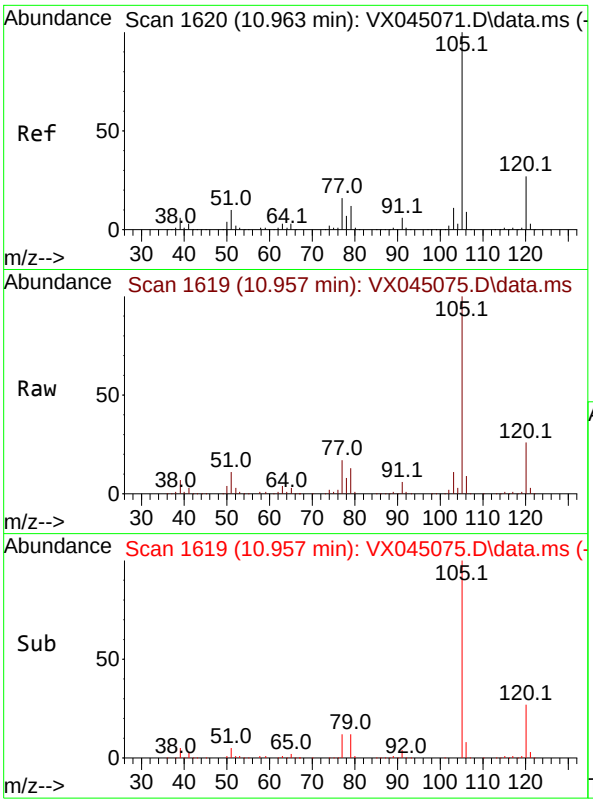


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0



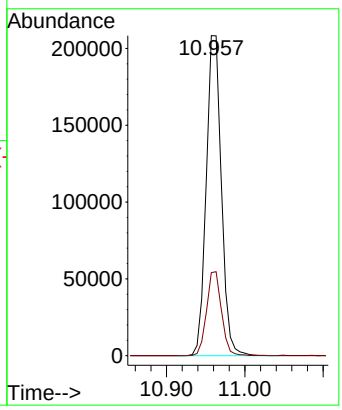


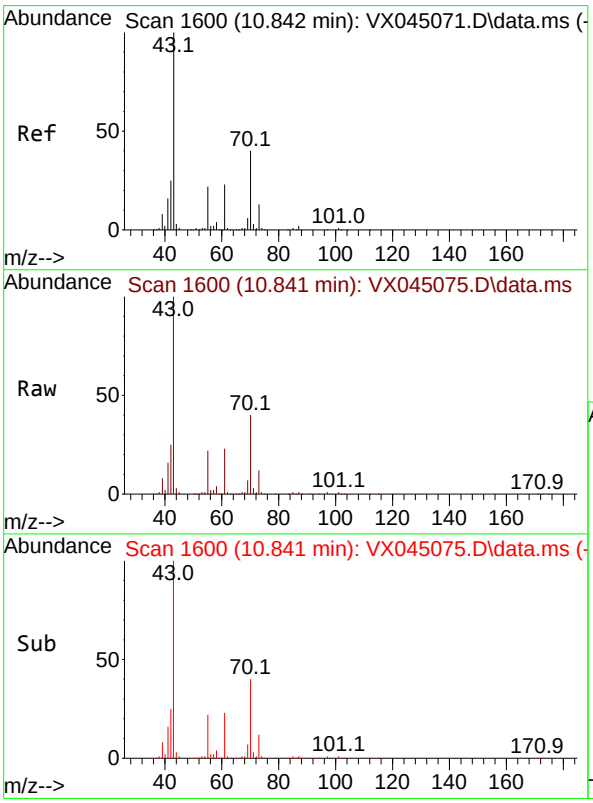
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

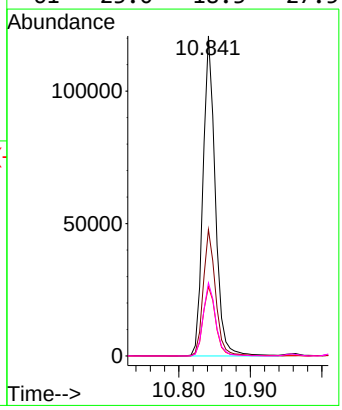


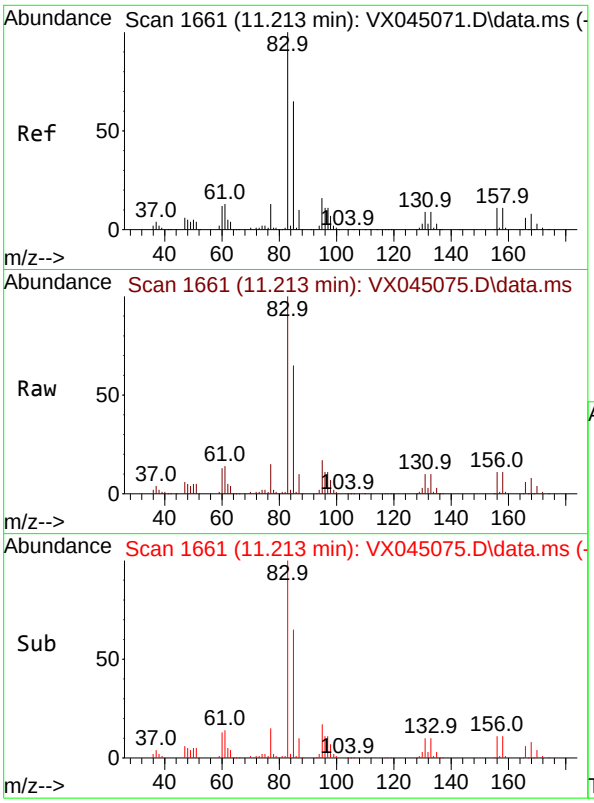


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



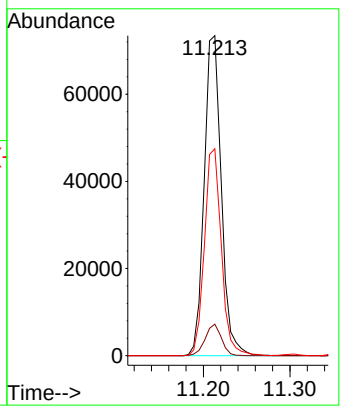


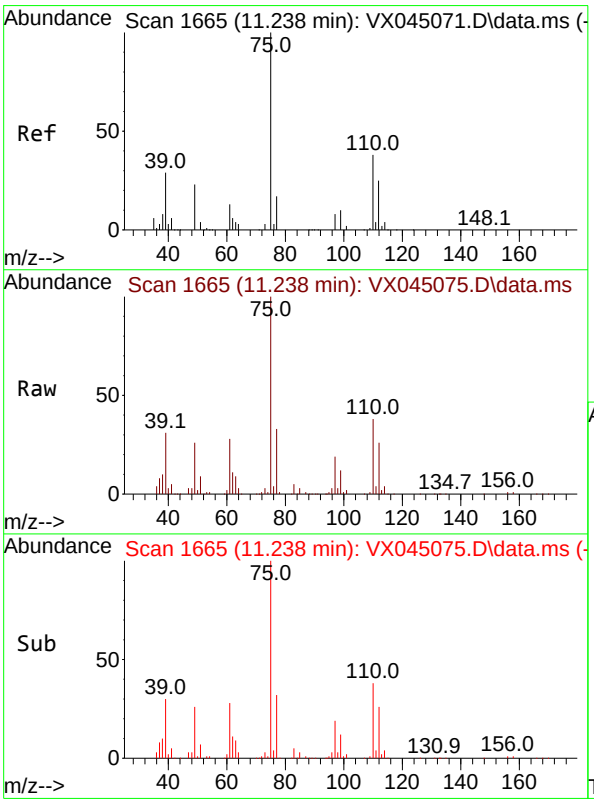
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 100800

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1

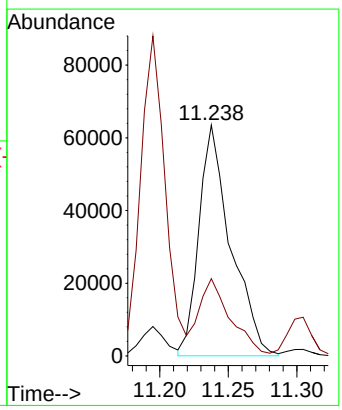


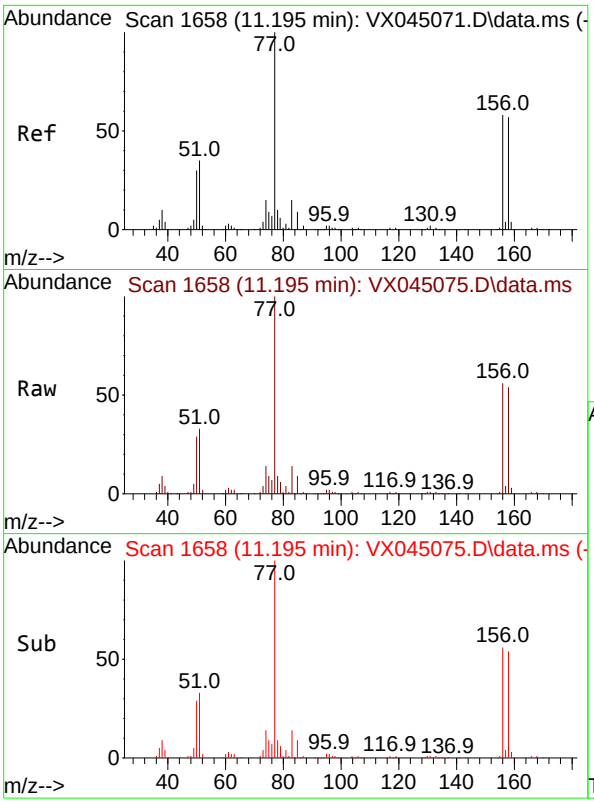


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



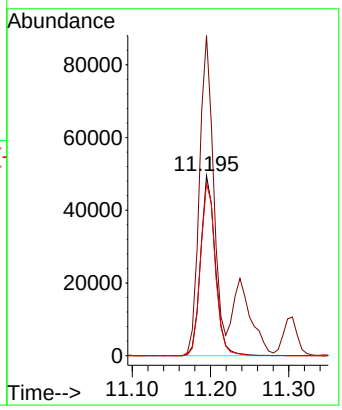


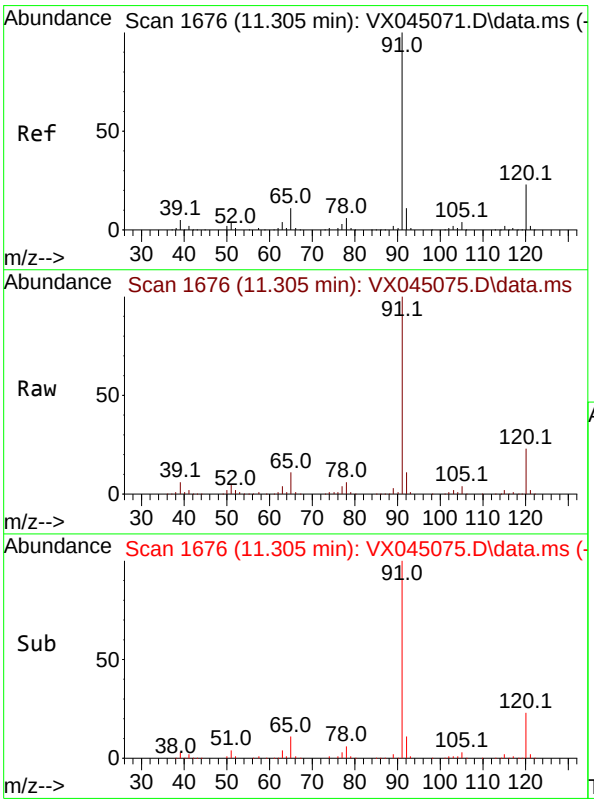
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:156 Resp: 64324

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2

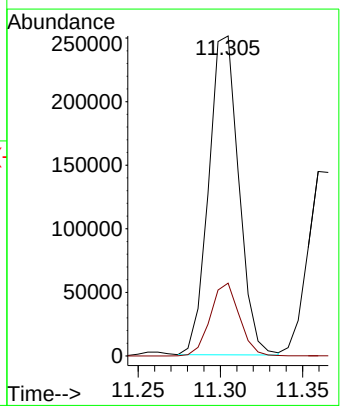


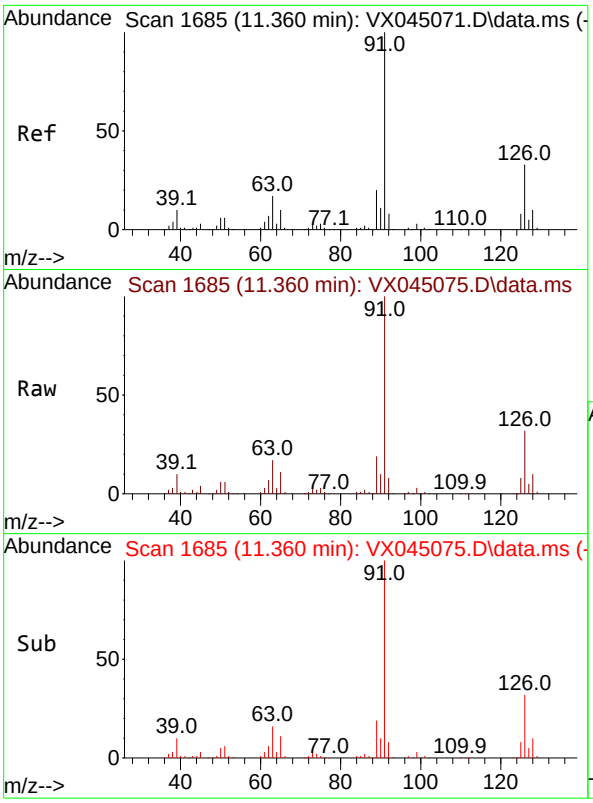


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



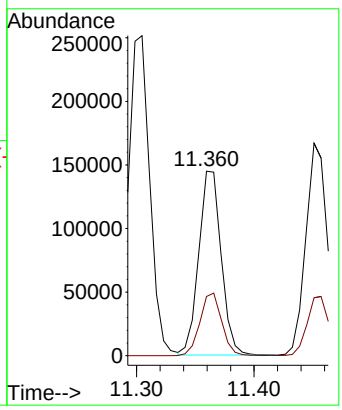


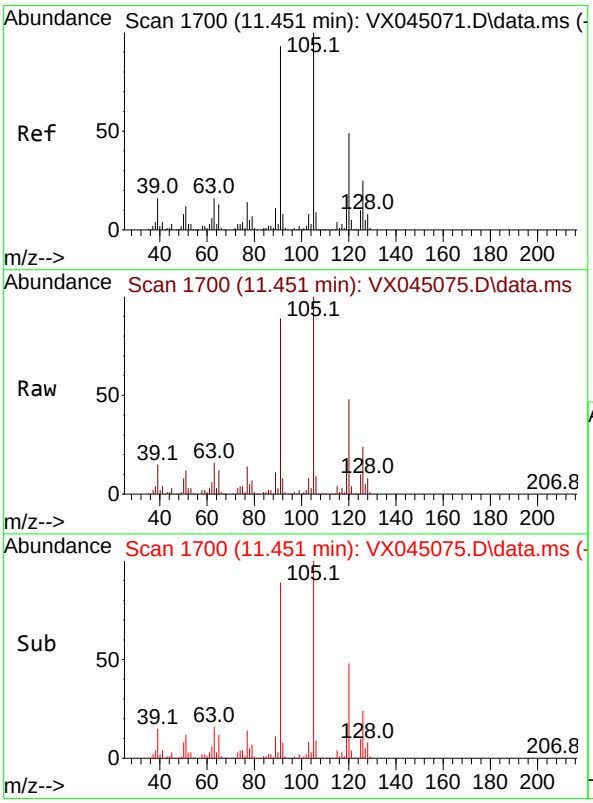
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

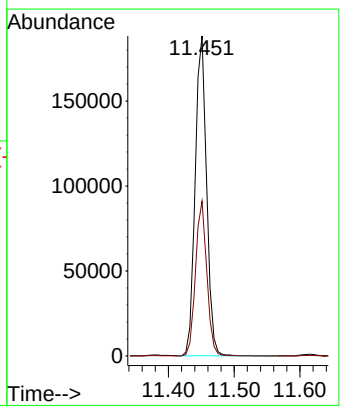


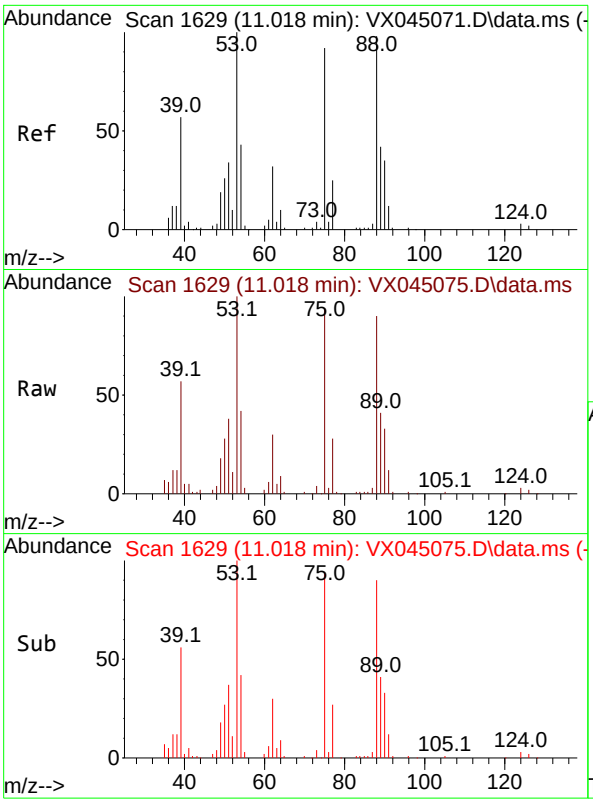


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



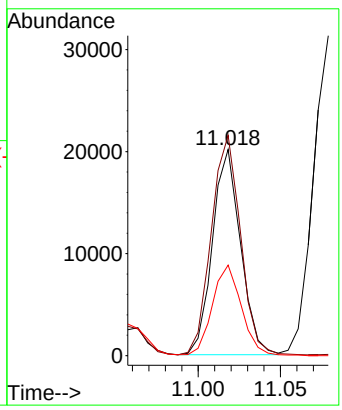


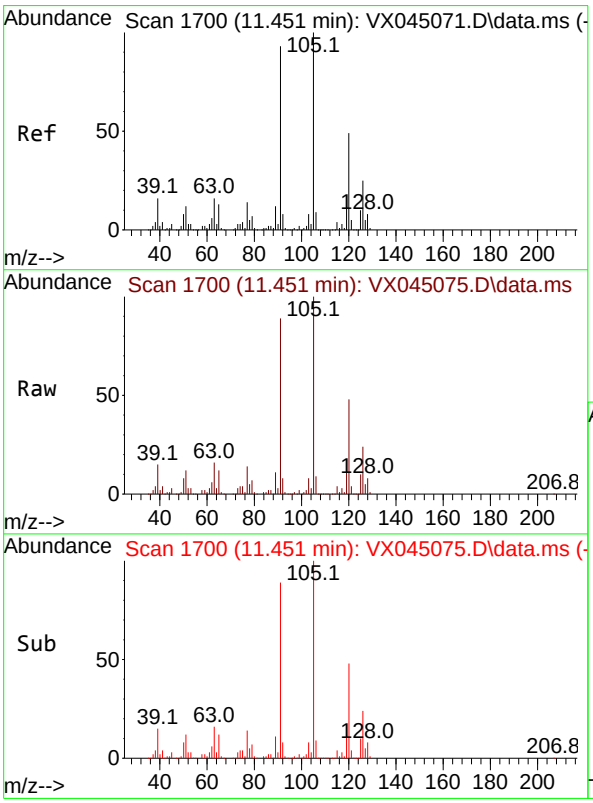
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 23943

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

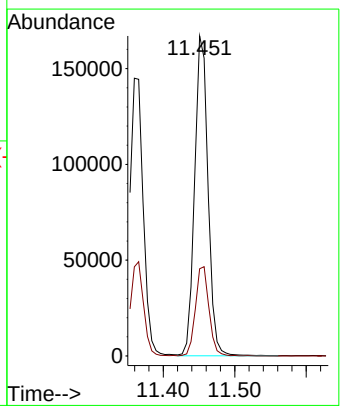


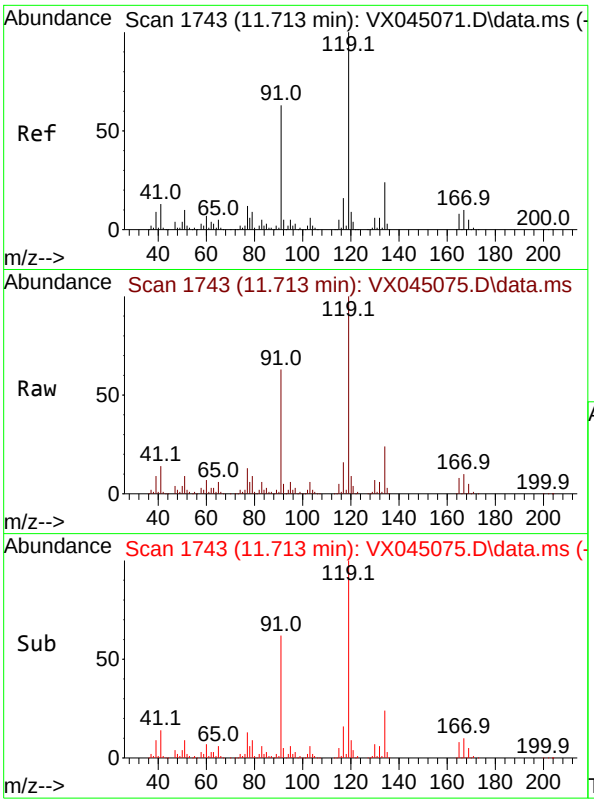


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



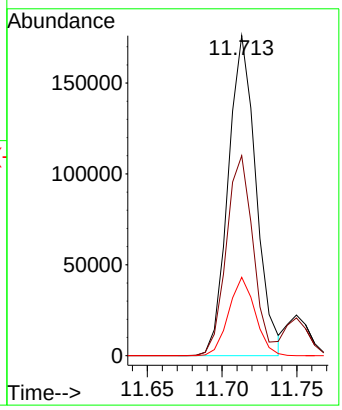


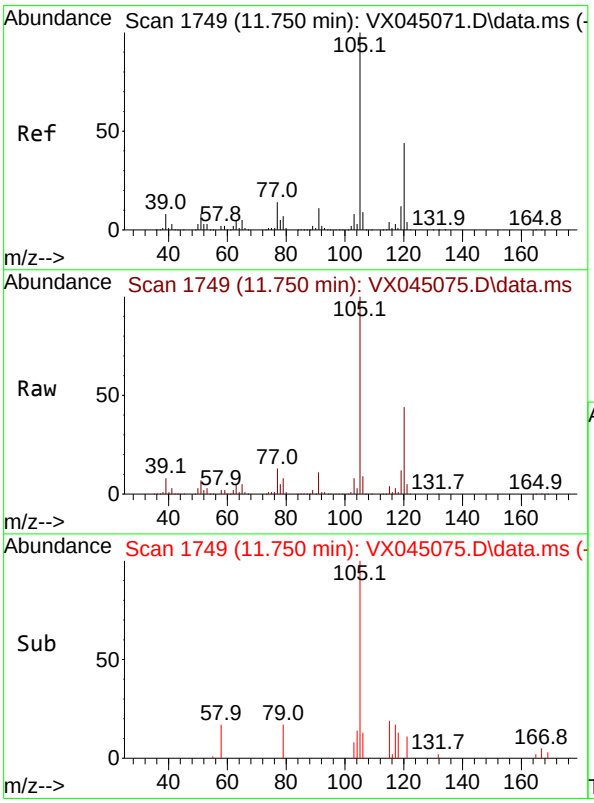
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:119 Resp: 227357

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0

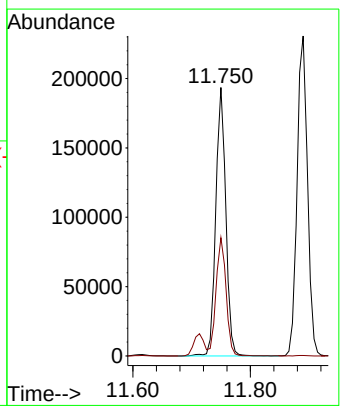


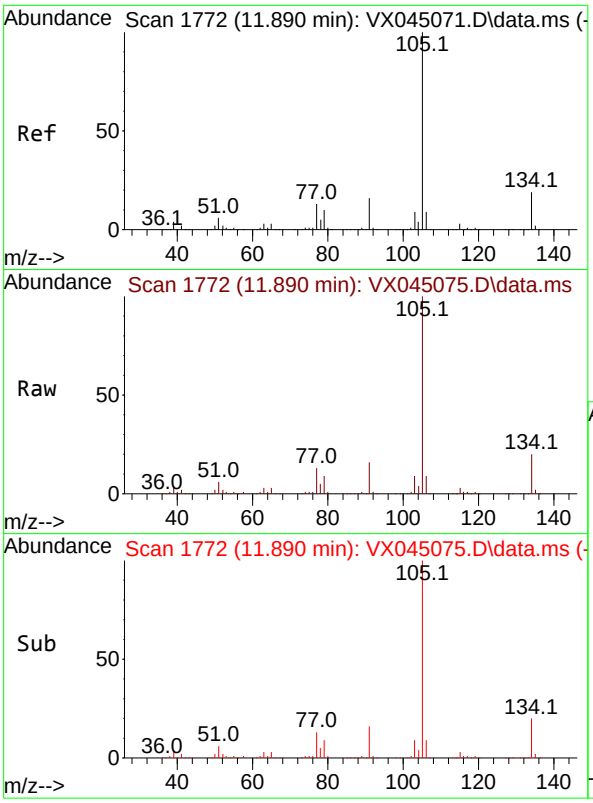


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



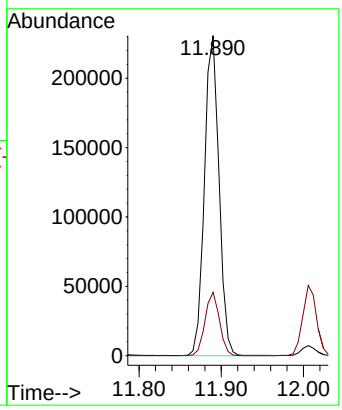


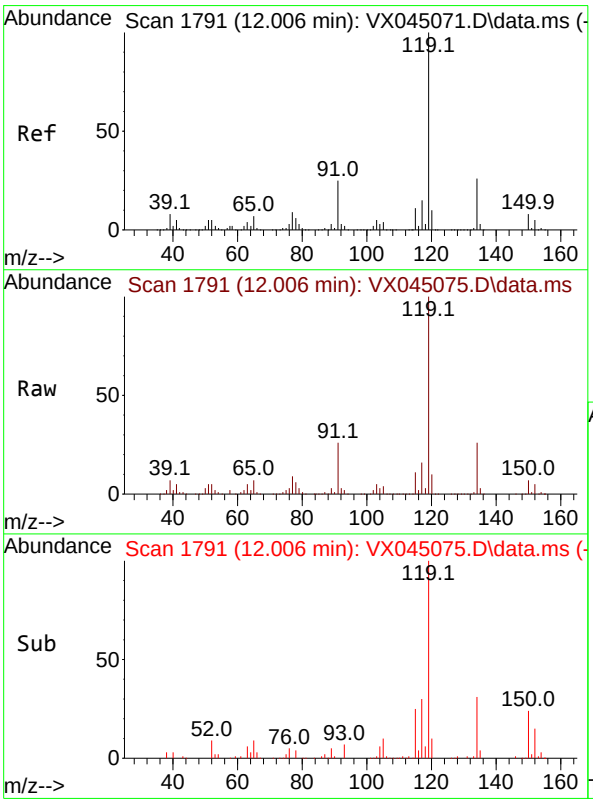
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

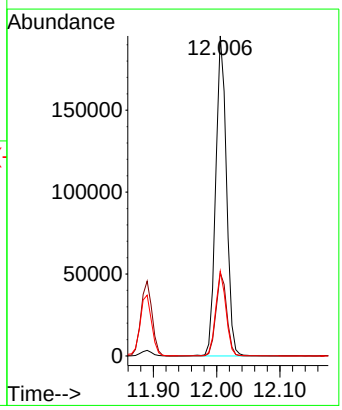


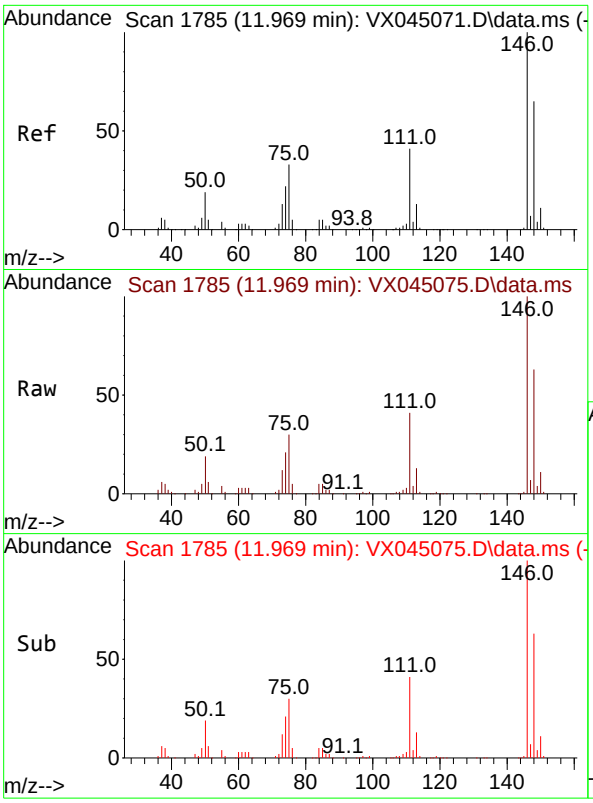


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0



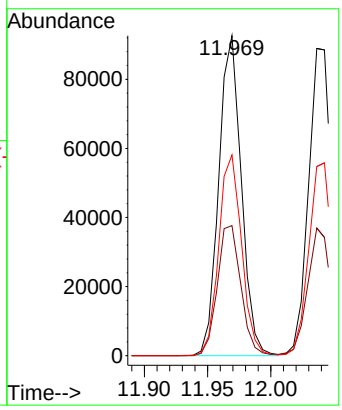


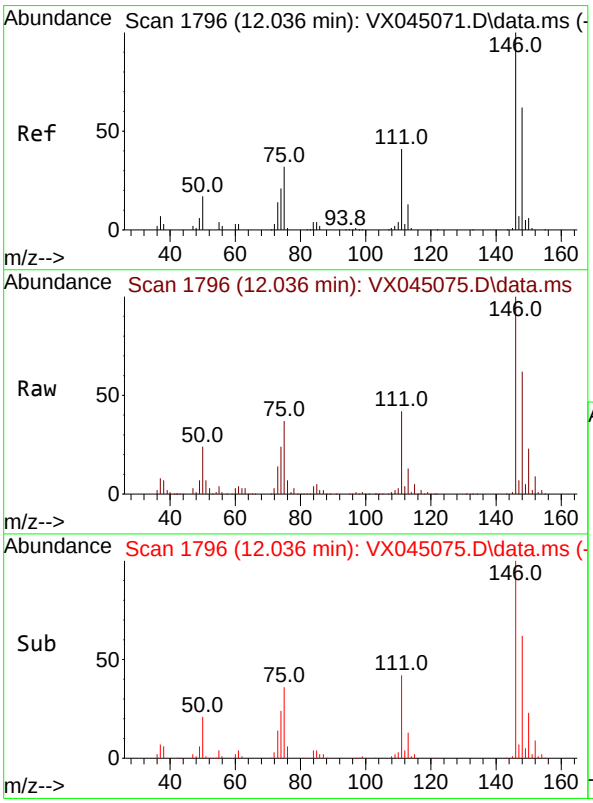
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 114778

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

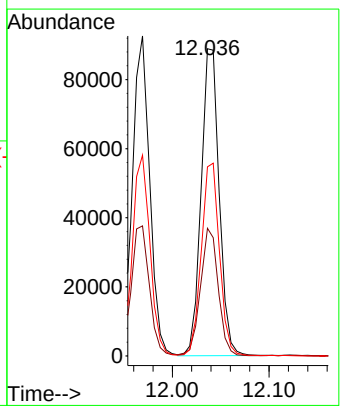


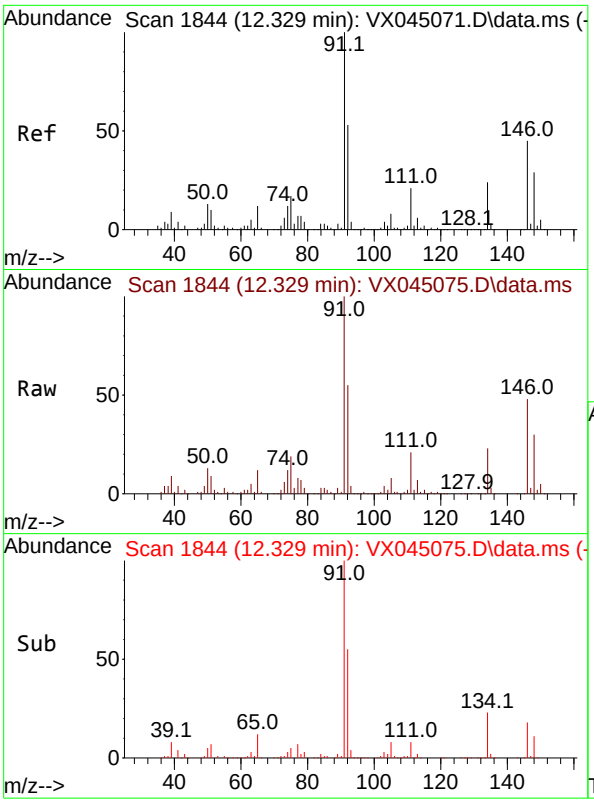


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9



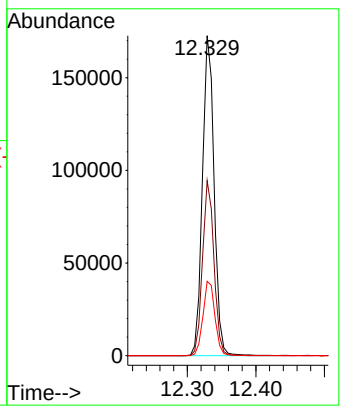


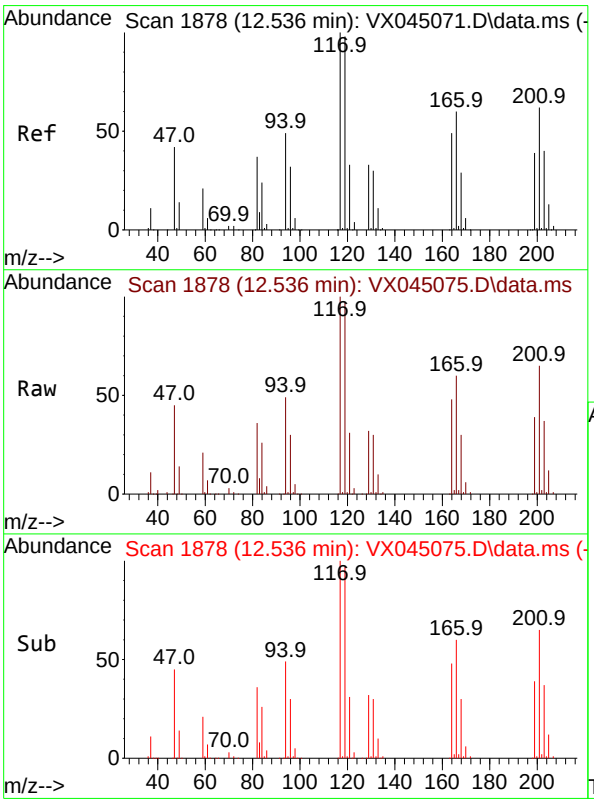
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 204972

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6

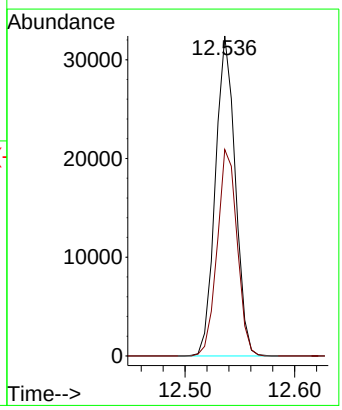


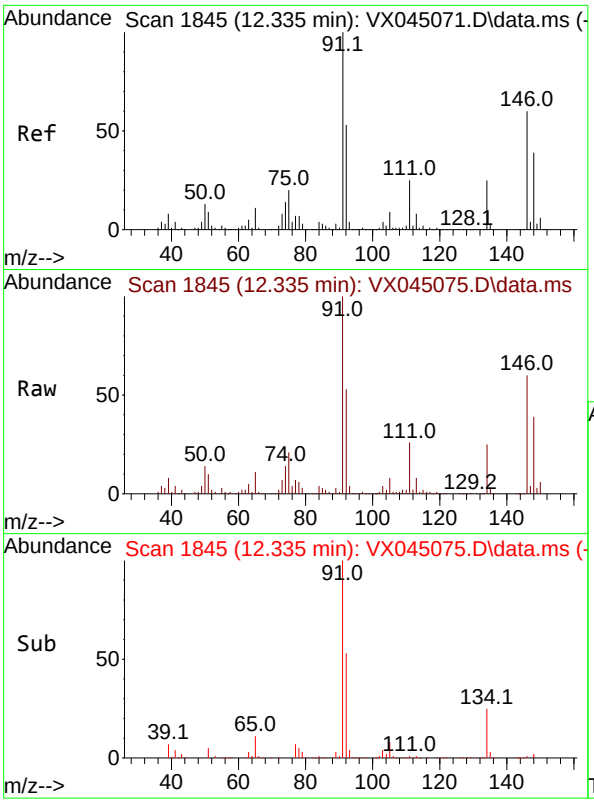


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



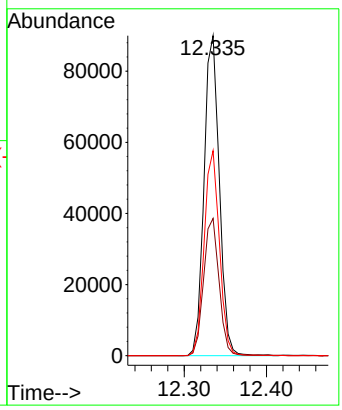


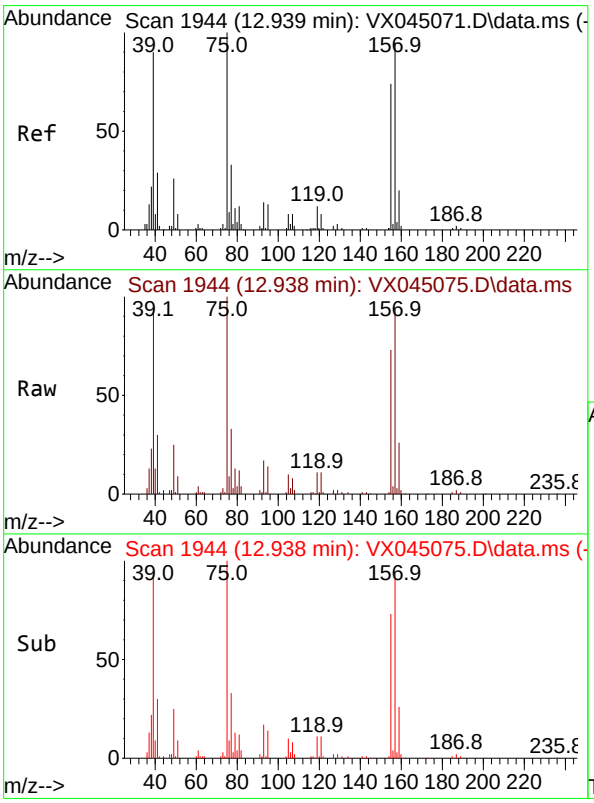
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 116343

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9

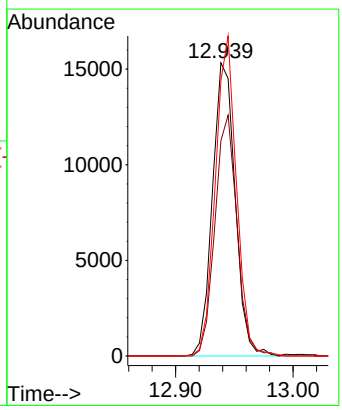


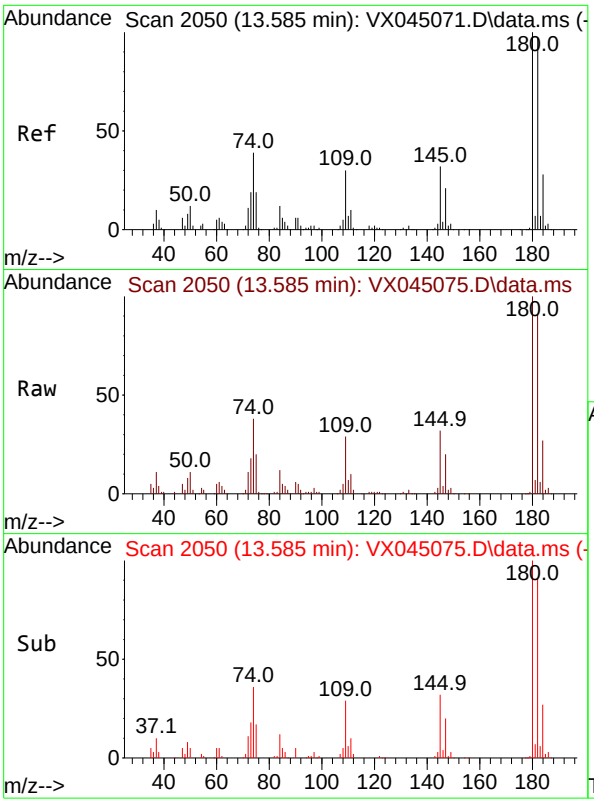


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4



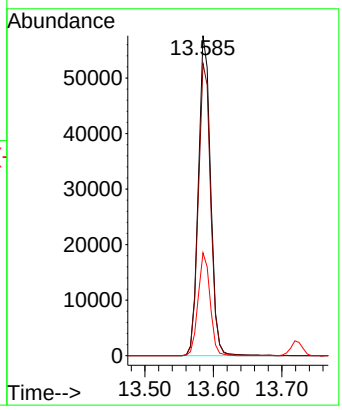


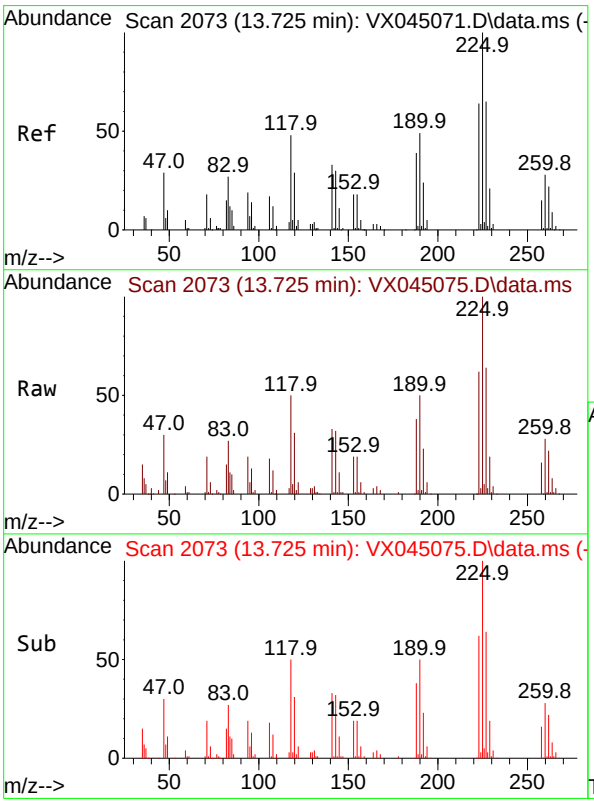
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:180 Resp: 71368

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9

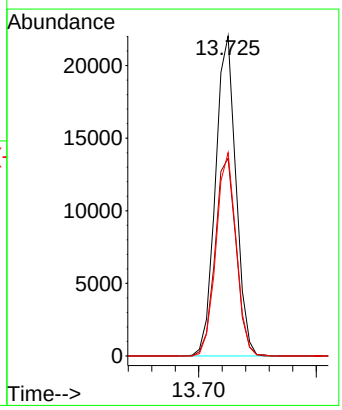


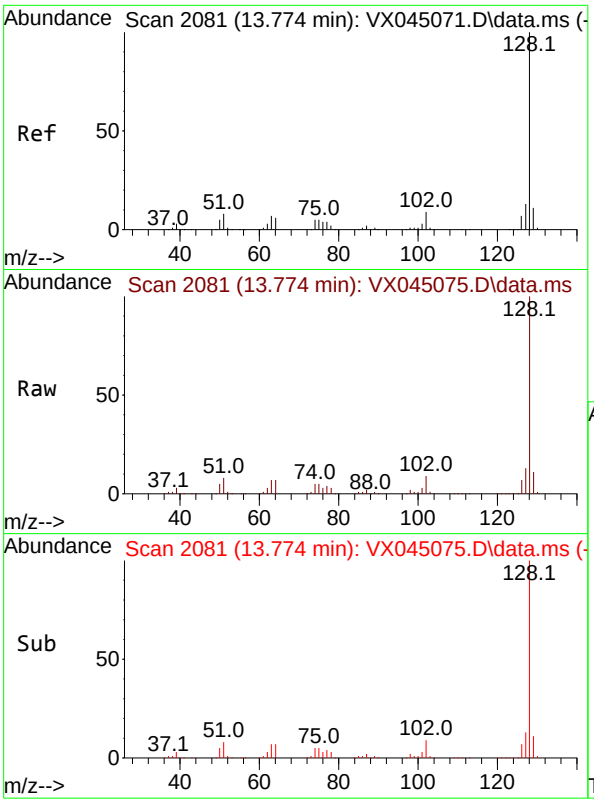


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0



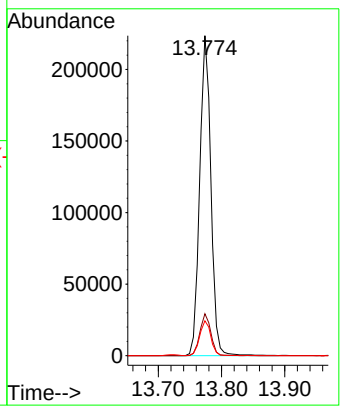


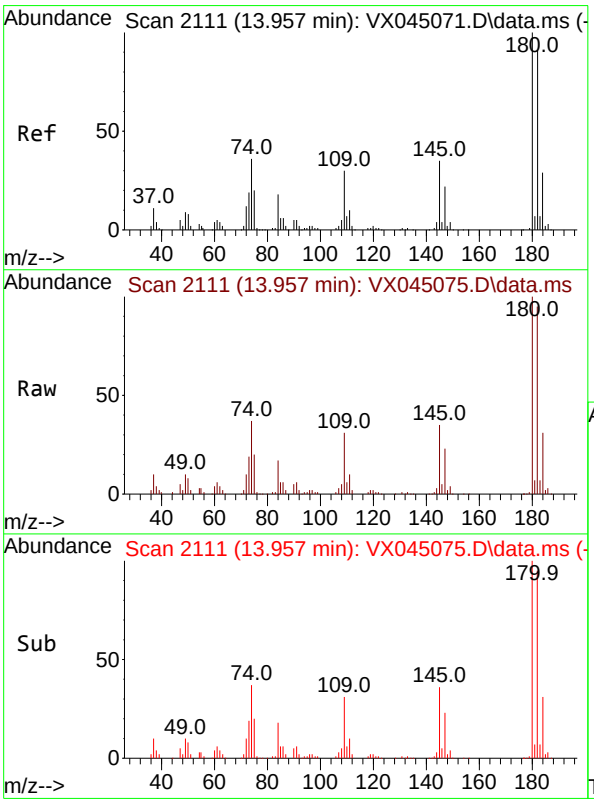
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:128 Resp: 275844

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

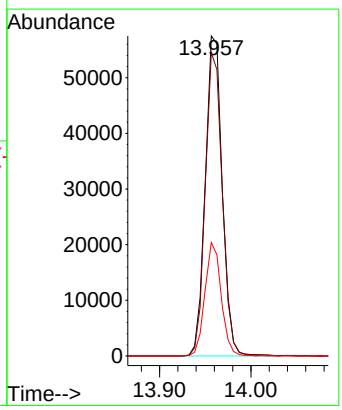




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77336	52.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	5.379	113	58112	53.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.640%			
50) Toluene-d8	8.647	98	205212	51.934	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.860%			
62) 4-Bromofluorobenzene	11.079	95	74669	57.027	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59825	51.122	ug/l	92
3) Chloromethane	1.300	50	69055	48.218	ug/l	96
4) Vinyl Chloride	1.374	62	63439	44.653	ug/l	97
5) Bromomethane	1.593	94	26629	47.680	ug/l	100
6) Chloroethane	1.660	64	30884	47.129	ug/l	98
7) Trichlorofluoromethane	1.867	101	91924	48.876	ug/l	100
8) Diethyl Ether	2.129	74	32057	43.578	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	60276	55.784	ug/l	99
10) Methyl Iodide	2.440	142	69837	51.719	ug/l	97
11) Tert butyl alcohol	2.983	59	62750	224.022	ug/l	97
12) 1,1-Dichloroethene	2.306	96	55581	48.654	ug/l	98
13) Acrolein	2.233	56	73382	226.631	ug/l	99
14) Allyl chloride	2.654	41	104985	51.628	ug/l	97
15) Acrylonitrile	3.062	53	188400	250.959	ug/l	99
16) Acetone	2.386	43	179812	262.073	ug/l	99
17) Carbon Disulfide	2.495	76	131544	43.233	ug/l	98
18) Methyl Acetate	2.703	43	94977	57.542	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190193	49.624	ug/l	97
20) Methylene Chloride	2.782	84	65207	47.978	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	55072	48.797	ug/l	97
22) Diisopropyl ether	3.757	45	208305	50.369	ug/l	92
23) Vinyl Acetate	3.715	43	880345	255.083	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114815	49.538	ug/l	99
25) 2-Butanone	4.556	43	269063	260.525	ug/l	96
26) 2,2-Dichloropropane	4.464	77	79181	72.834	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	68887	49.445	ug/l	95
28) Bromochloromethane	4.891	49	57070	51.659	ug/l	99
29) Tetrahydrofuran	5.001	42	167144	240.995	ug/l	99
30) Chloroform	5.086	83	115276	50.056	ug/l	99
31) Cyclohexane	5.458	56	99325	49.368	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	93785	50.422	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75552	50.546	ug/l	99
37) Ethyl Acetate	4.714	43	96666	50.189	ug/l	98
38) Carbon Tetrachloride	5.665	117	79322	52.271	ug/l	95
39) Methylcyclohexane	7.372	83	97987	54.710	ug/l	97
40) Benzene	6.025	78	238534	50.537	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.909	41	55551	53.340	ug/l		99
42) 1,2-Dichloroethane	6.080	62	89305	52.542	ug/l		100
43) Isopropyl Acetate	6.336	43	149943	52.647	ug/l		99
44) Trichloroethene	7.116	130	55195	49.801	ug/l		99
45) 1,2-Dichloropropane	7.427	63	60889	50.174	ug/l		97
46) Dibromomethane	7.574	93	45165	52.654	ug/l		97
47) Bromodichloromethane	7.817	83	88408	52.546	ug/l		97
48) Methyl methacrylate	7.689	41	76158	53.300	ug/l		97
49) 1,4-Dioxane	7.659	88	29076	964.689	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	528259	276.238	ug/l		99
52) Toluene	8.714	92	142581	51.486	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	78690	55.945	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	90280	55.043	ug/l		91
55) 1,1,2-Trichloroethane	9.147	97	57642	50.560	ug/l		98
56) Ethyl methacrylate	9.116	69	94614	54.596	ug/l		96
57) 1,3-Dichloropropane	9.305	76	101233	51.310	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	249068	294.630	ug/l		98
59) 2-Hexanone	9.427	43	389277	280.952	ug/l		99
60) Dibromochloromethane	9.518	129	63802	53.523	ug/l		99
61) 1,2-Dibromoethane	9.610	107	58790	51.655	ug/l		100
64) Tetrachloroethene	9.268	164	46782	52.106	ug/l		98
65) Chlorobenzene	10.079	112	155435	52.401	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53231	53.887	ug/l		97
67) Ethyl Benzene	10.189	91	275416	53.287	ug/l		100
68) m/p-Xylenes	10.299	106	202522	107.038	ug/l		98
69) o-Xylene	10.640	106	99595	52.192	ug/l		98
70) Styrene	10.652	104	170860	55.336	ug/l		99
71) Bromoform	10.799	173	42683	57.300	ug/l	#	98
73) Isopropylbenzene	10.957	105	266634	51.016	ug/l		98
74) N-amyl acetate	10.841	43	131189	53.493	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	94855	49.457	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	98708	63.334	ug/l		87
77) Bromobenzene	11.195	156	61840	50.148	ug/l		100
78) n-propylbenzene	11.305	91	312182	52.876	ug/l		100
79) 2-Chlorotoluene	11.360	91	186805	49.681	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	220041	52.068	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25479	55.946	ug/l		94
82) 4-Chlorotoluene	11.451	91	216250	52.770	ug/l		99
83) tert-Butylbenzene	11.713	119	222828	51.318	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	225626	53.061	ug/l		99
85) sec-Butylbenzene	11.890	105	280536	53.936	ug/l		100
86) p-Isopropyltoluene	12.006	119	232945	55.418	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	112969	51.352	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112198	50.412	ug/l		99
89) n-Butylbenzene	12.329	91	212893	58.806	ug/l		99
90) Hexachloroethane	12.536	117	39637	52.134	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	114241	51.768	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19754	52.868	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	68677	54.655	ug/l		100
94) Hexachlorobutadiene	13.725	225	28888	56.075	ug/l		99
95) Naphthalene	13.774	128	255967	53.019	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71661	54.059	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

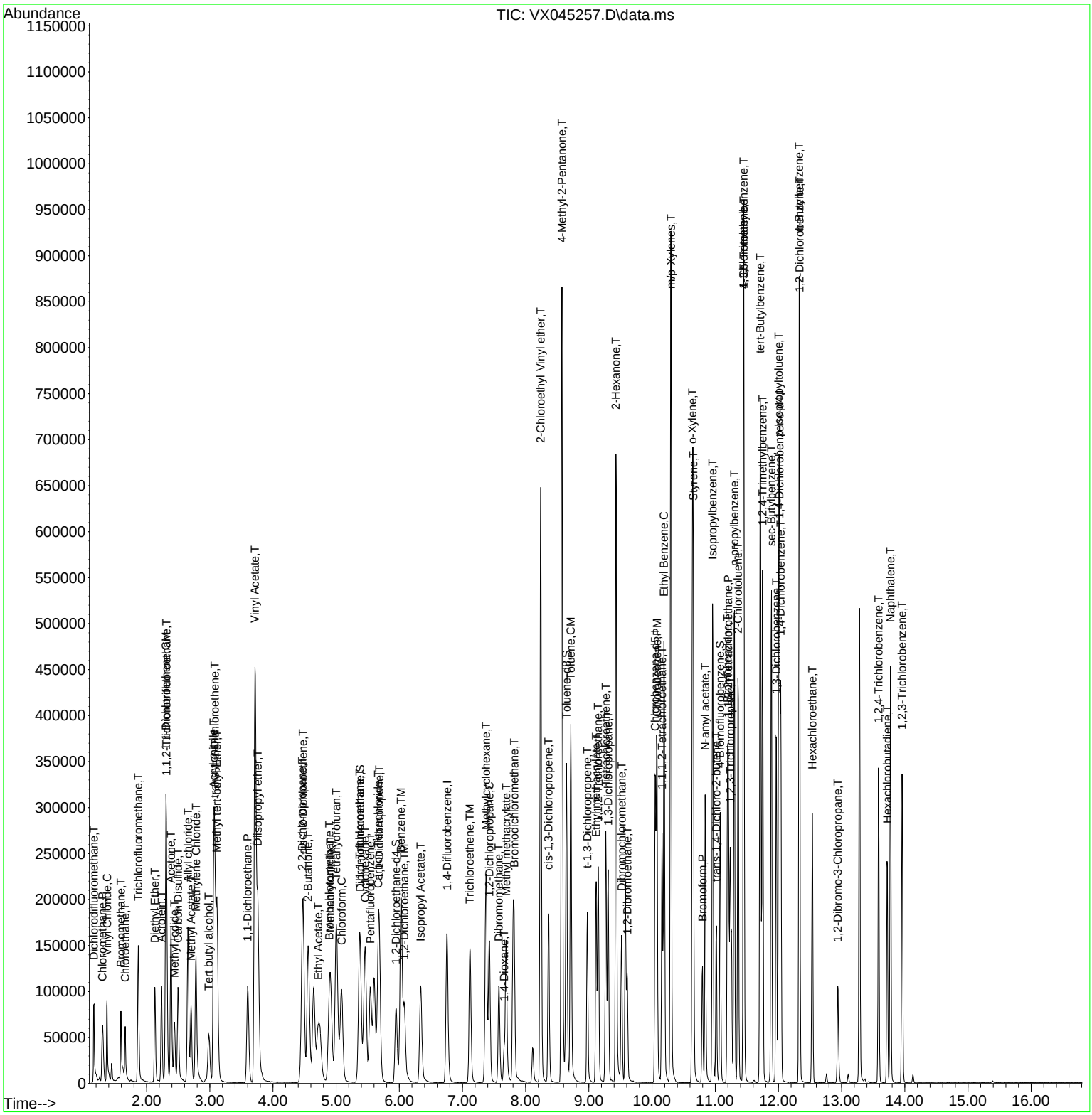
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

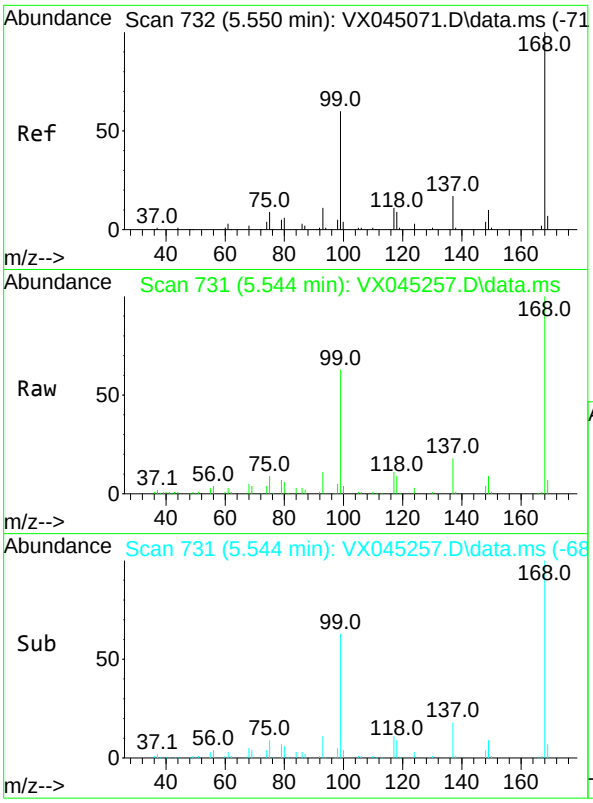
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



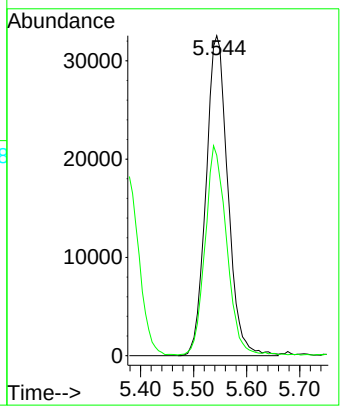


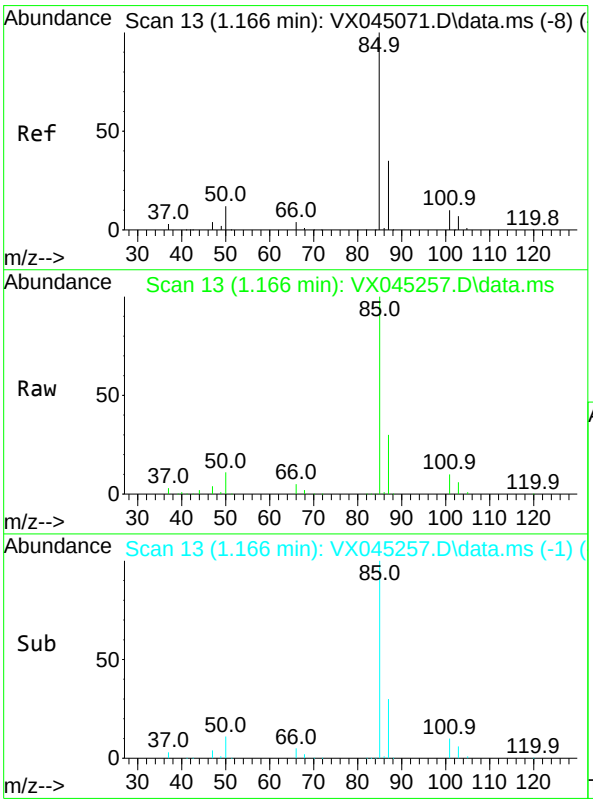
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 92968

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4

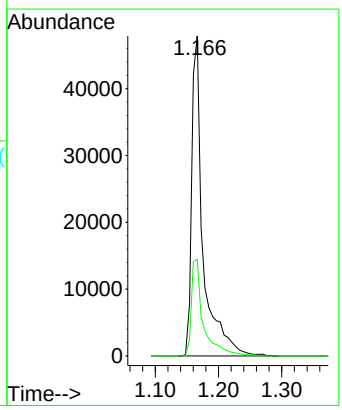


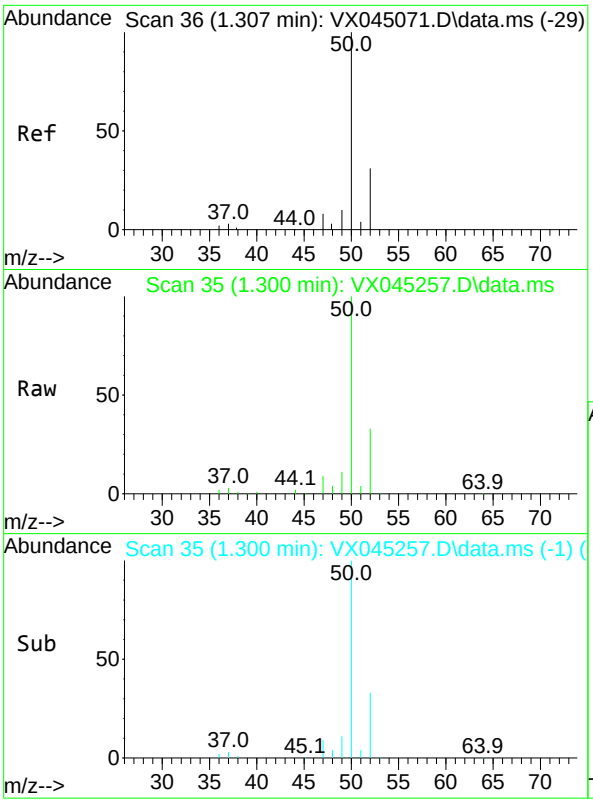


#2
Dichlorodifluoromethane
Concen: 51.122 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 85 Resp: 59825

Ion	Ratio	Lower	Upper
85	100		
87	30.2	17.4	52.3



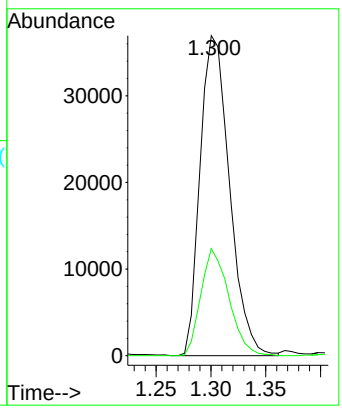


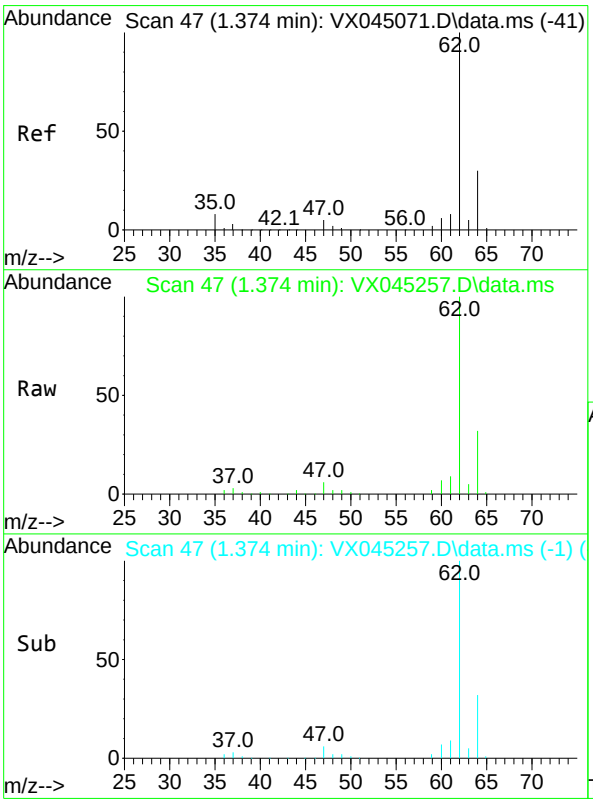
#3
Chloromethane
Concen: 48.218 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 69055

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4

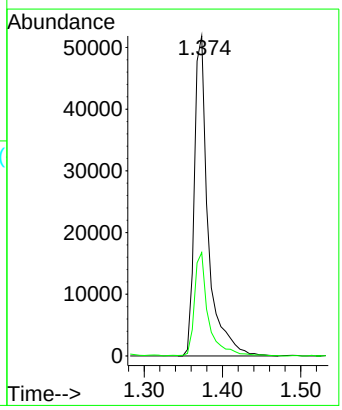


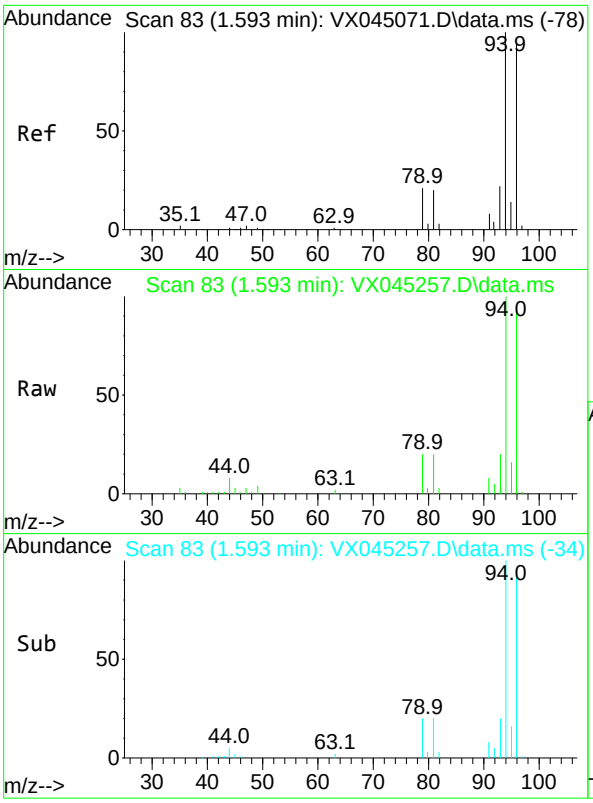


#4
Vinyl Chloride
Concen: 44.653 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 62 Resp: 63439

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



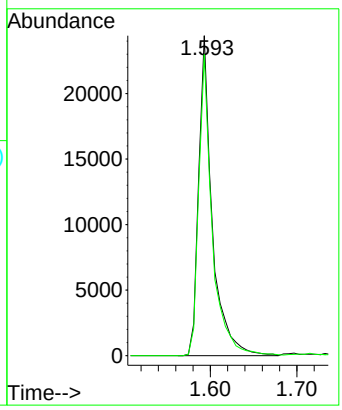


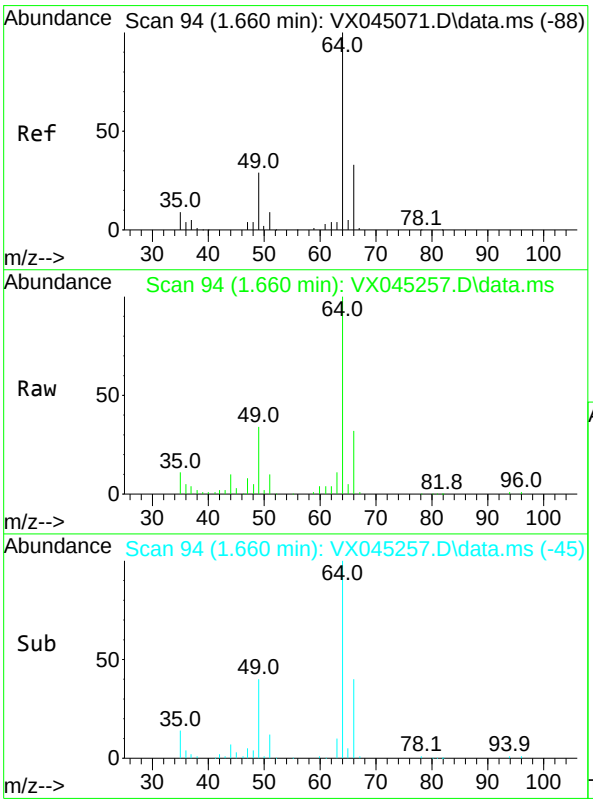
#5
Bromomethane
Concen: 47.680 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 26629

Ion	Ratio	Lower	Upper
94	100		
96	94.1	75.0	112.4

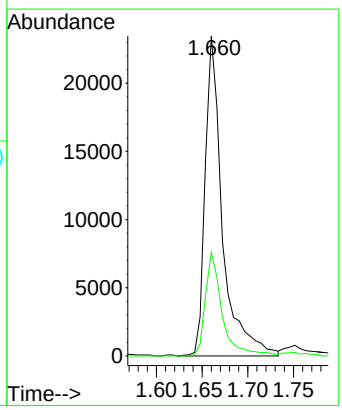


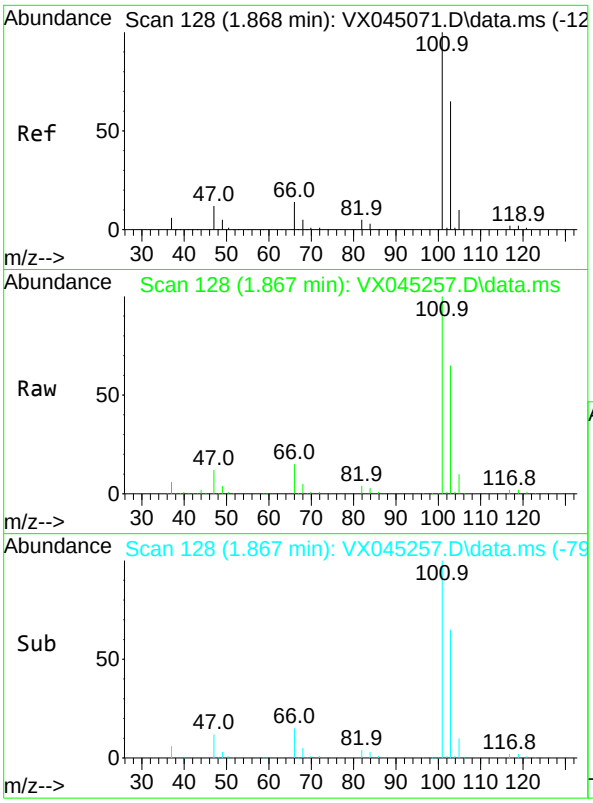


#6
Chloroethane
Concen: 47.129 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 64 Resp: 30884

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.7	40.1



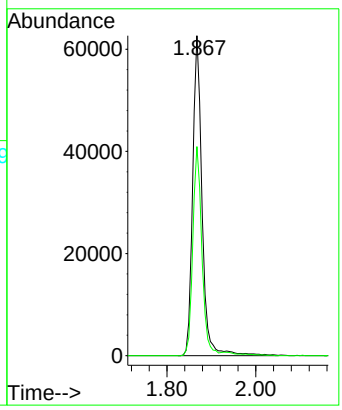


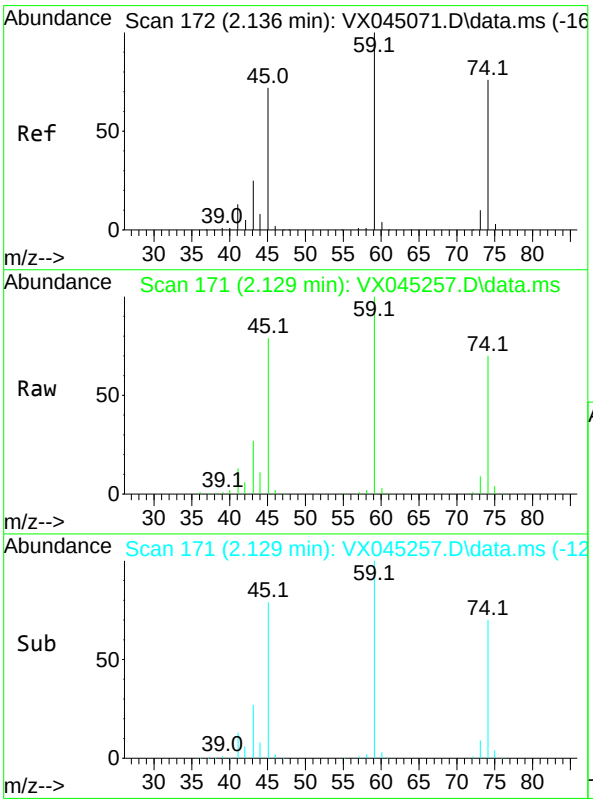
#7
Trichlorofluoromethane
Concen: 48.876 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 91924

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

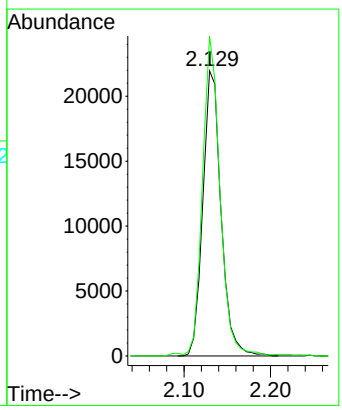


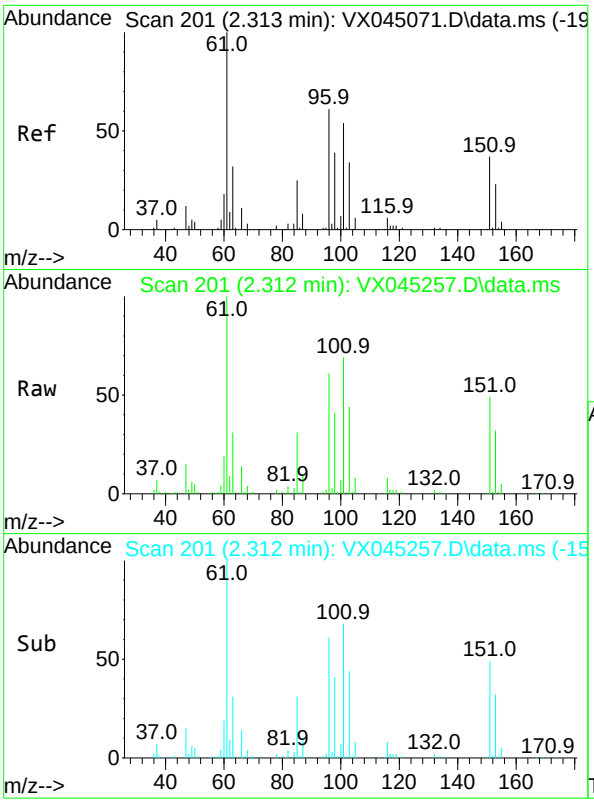


#8
Diethyl Ether
Concen: 43.578 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 74 Resp: 32057

Ion	Ratio	Lower	Upper
74	100		
45	108.9	51.5	154.5



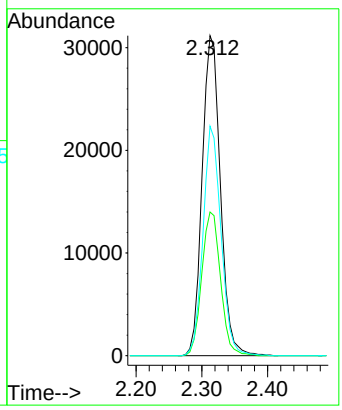


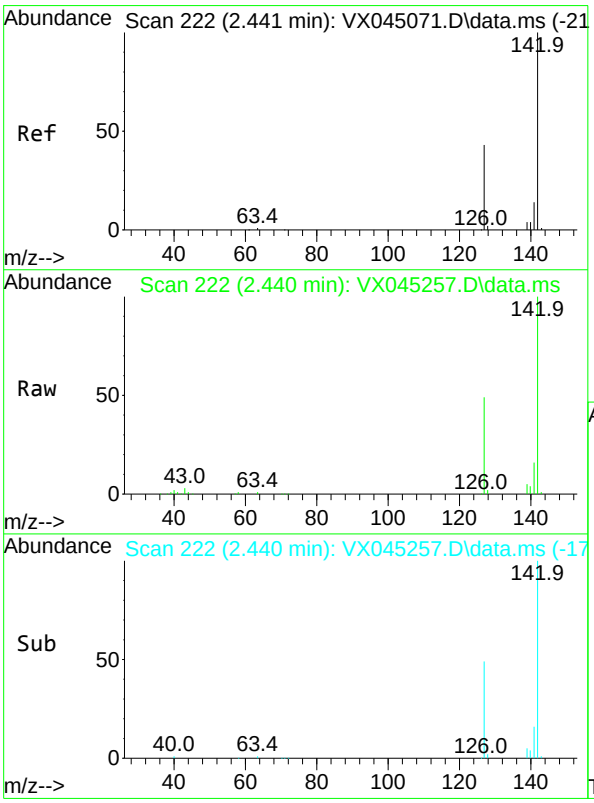
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.784 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 60276

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.8	56.4	84.6

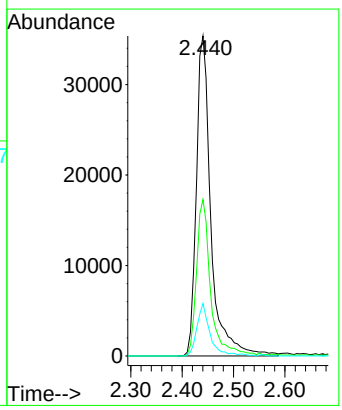


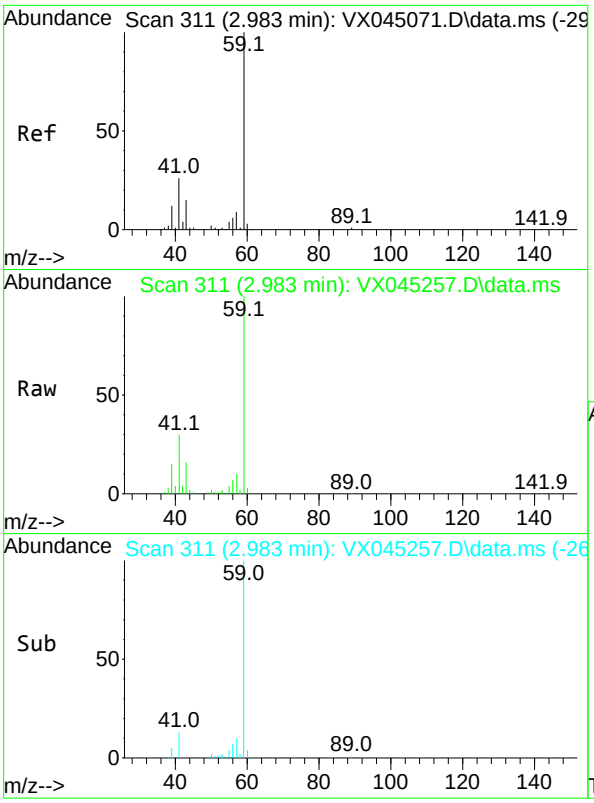


#10
Methyl Iodide
Concen: 51.719 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:142 Resp: 69837

Ion	Ratio	Lower	Upper
142	100		
127	47.1	35.4	53.2
141	14.8	11.6	17.4



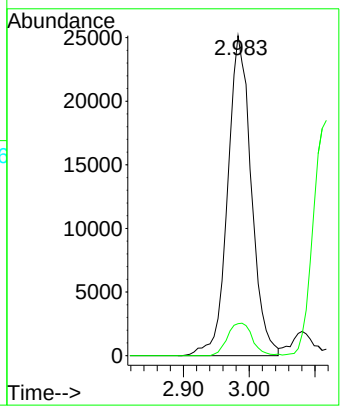


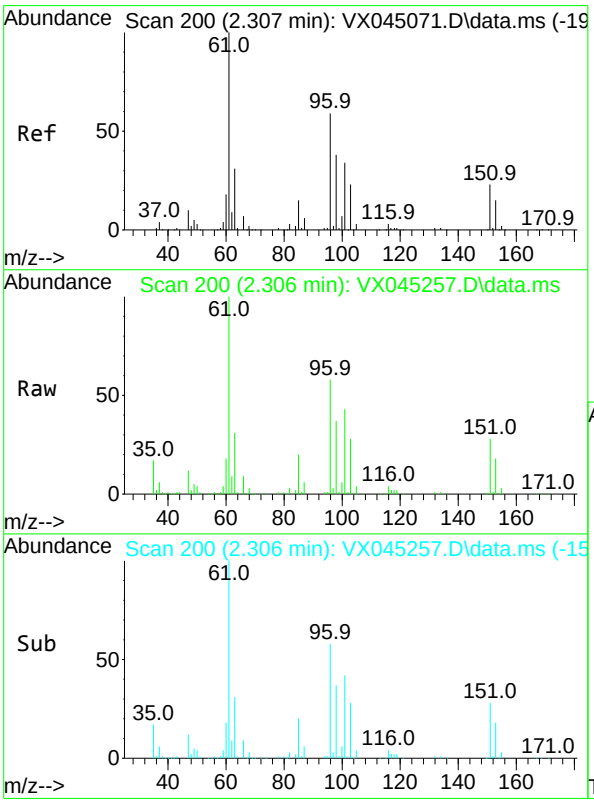
#11
Tert butyl alcohol
Concen: 224.022 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 62750

Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8

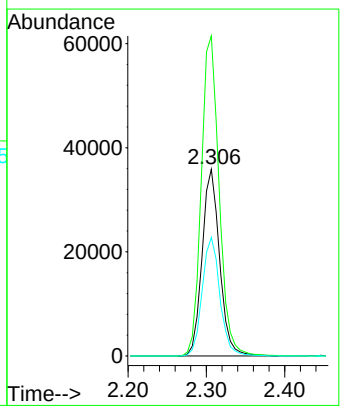


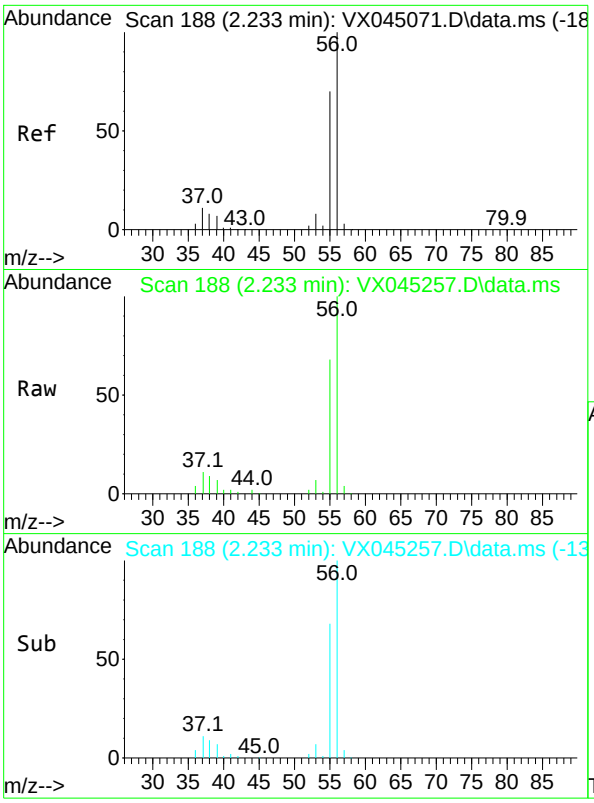


#12
1,1-Dichloroethene
Concen: 48.654 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 96 Resp: 55581

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.5	51.0	76.6



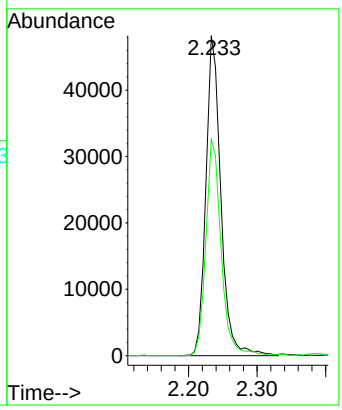


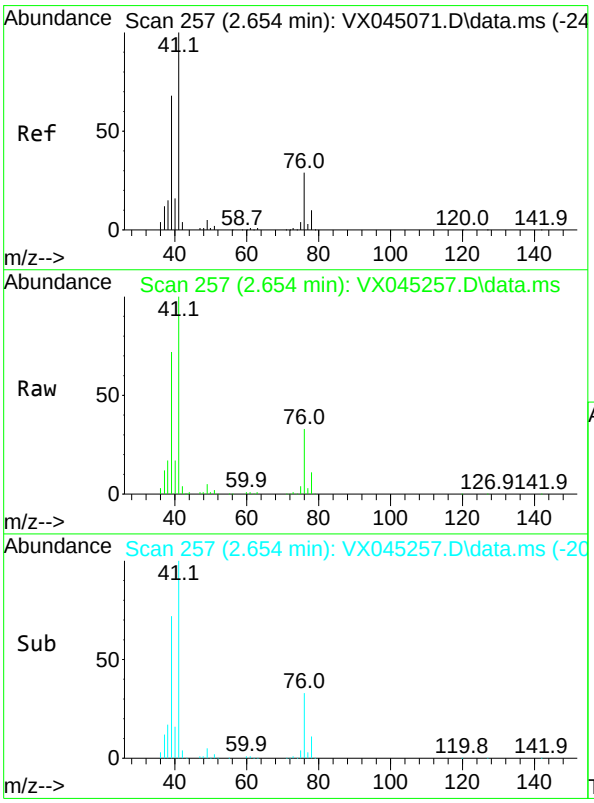
#13
Acrolein
Concen: 226.631 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 73382

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.2	84.4

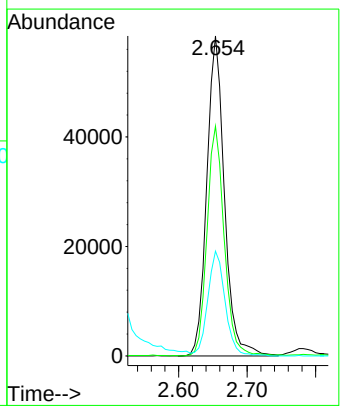


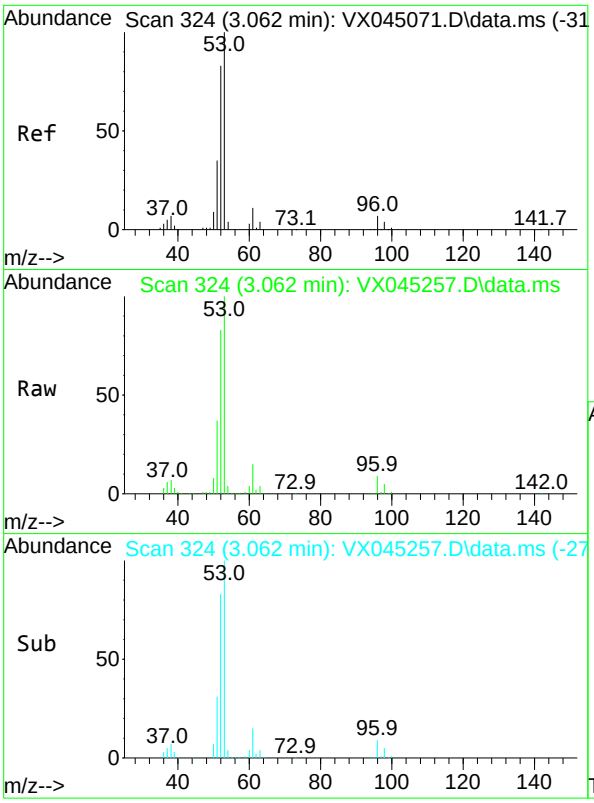


#14
Allyl chloride
Concen: 51.628 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 41 Resp: 104985

Ion	Ratio	Lower	Upper
41	100		
39	70.1	53.8	80.8
76	32.2	25.2	37.8



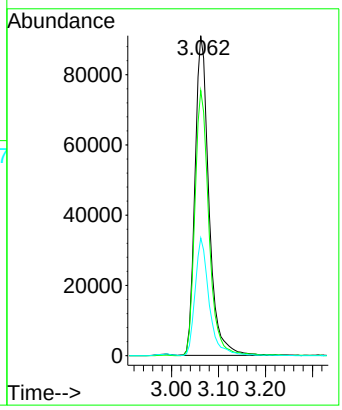


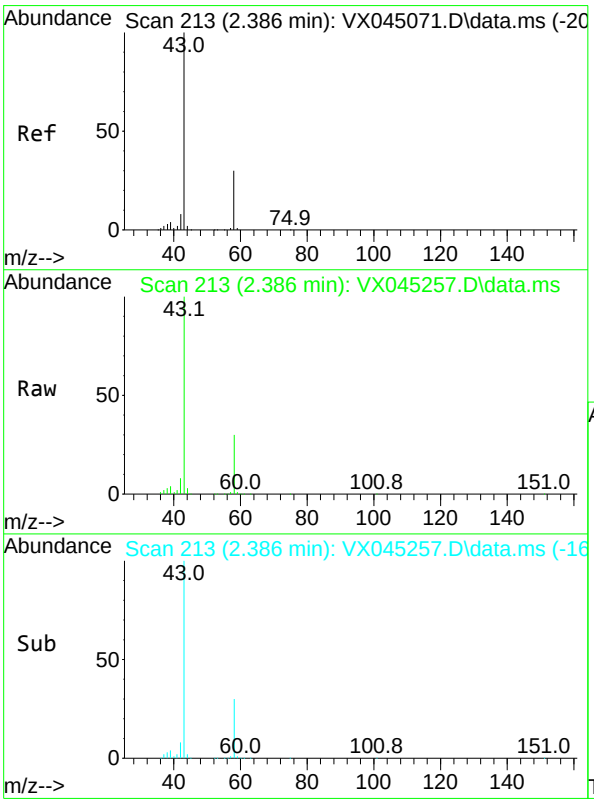
#15
Acrylonitrile
Concen: 250.959 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 188400

Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	36.7	29.0	43.4

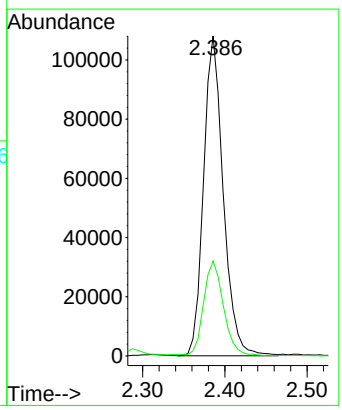


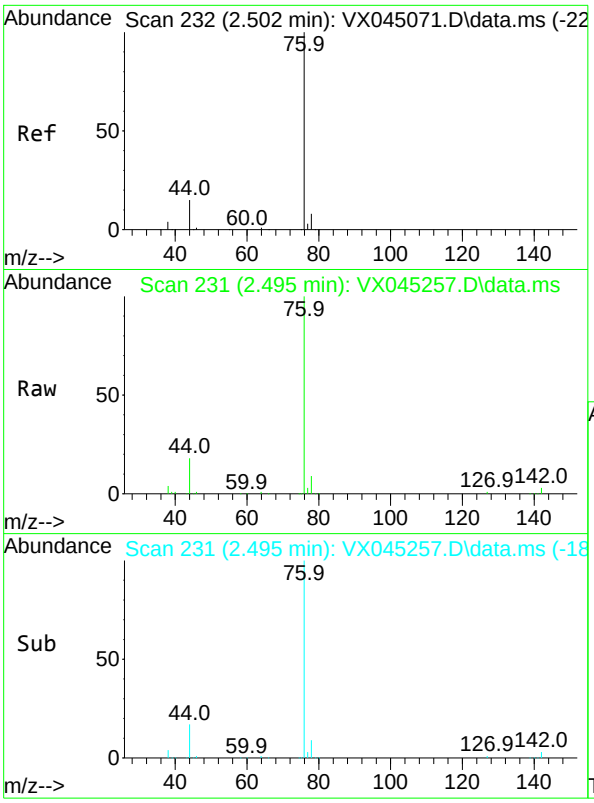


#16
Acetone
Concen: 262.073 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 179812

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



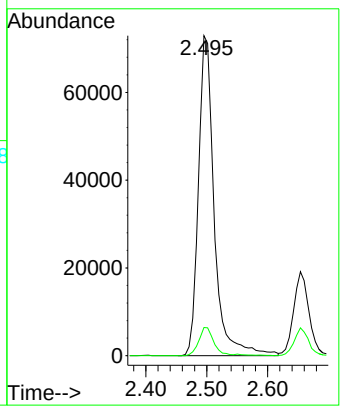


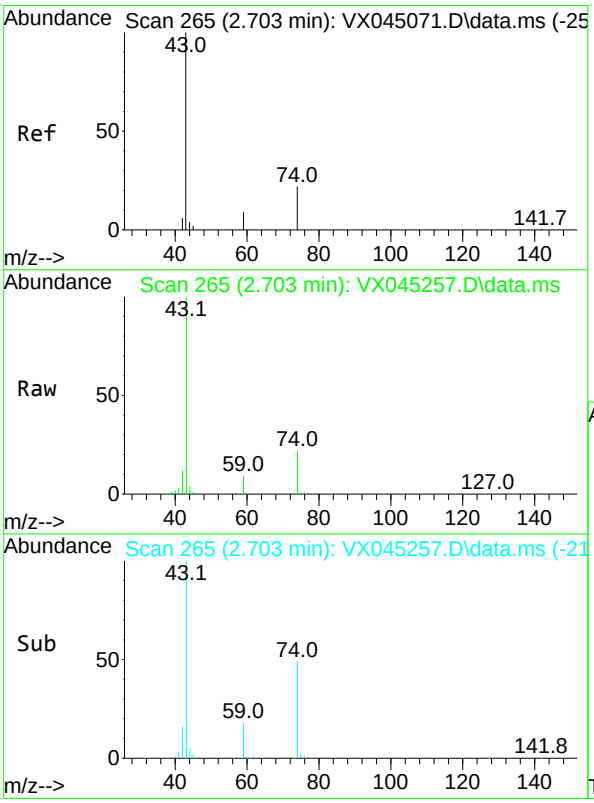
#17
Carbon Disulfide
Concen: 43.233 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 131544

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

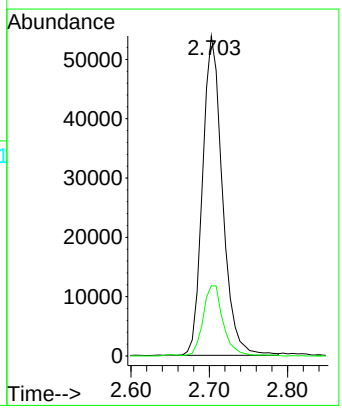


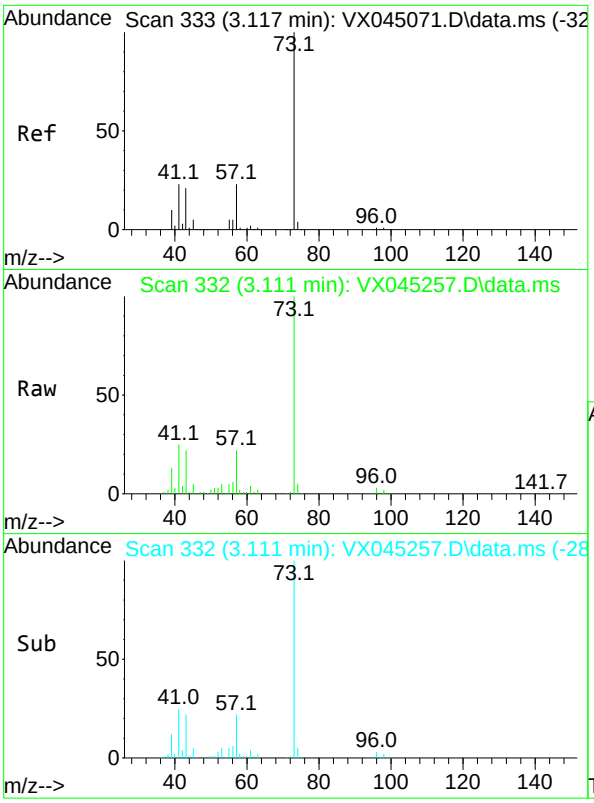


#18
Methyl Acetate
Concen: 57.542 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 94977

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2



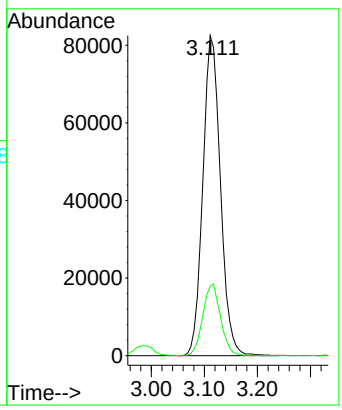


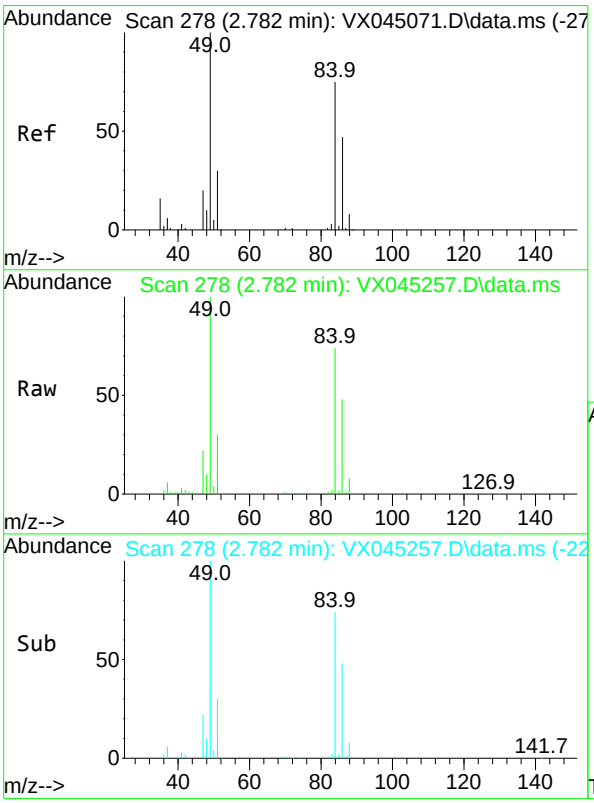
#19
Methyl tert-butyl Ether
Concen: 49.624 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 190193

Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7

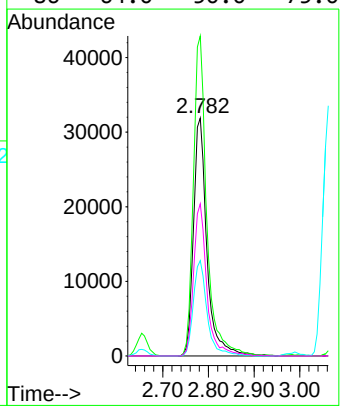


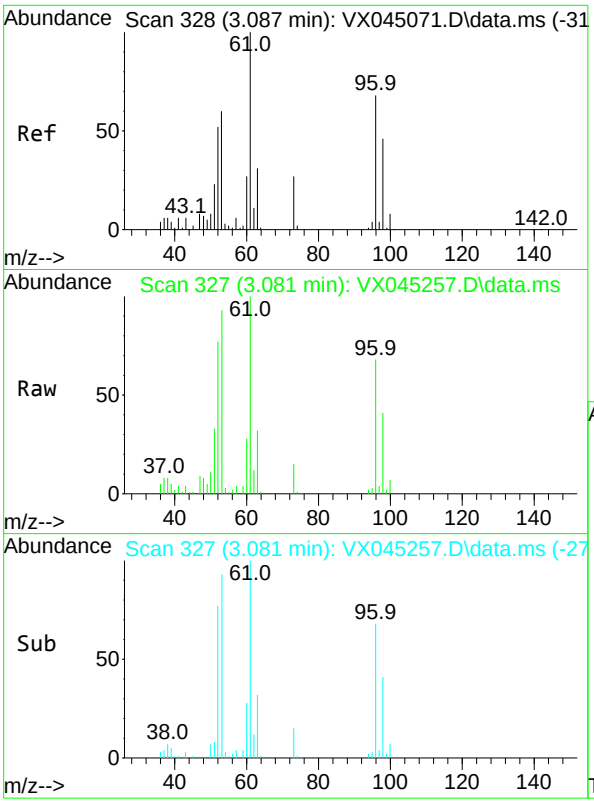


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 84 Resp: 65207

Ion	Ratio	Lower	Upper
84	100		
49	134.5	106.5	159.7
51	40.1	32.1	48.1
86	64.0	50.0	75.0



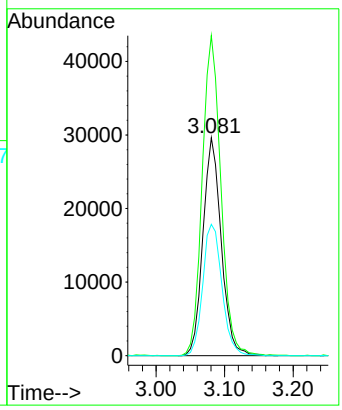


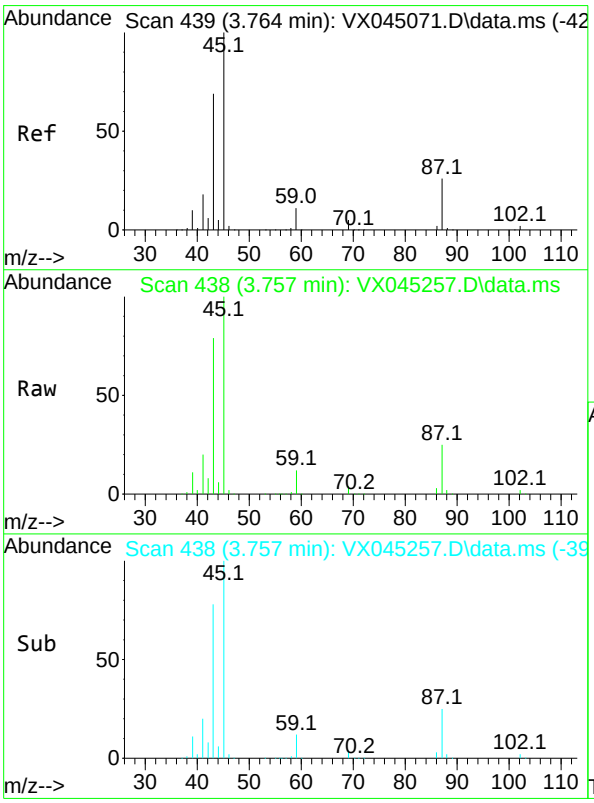
#21
trans-1,2-Dichloroethene
Concen: 48.797 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 55072

Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	60.3	53.4	80.2

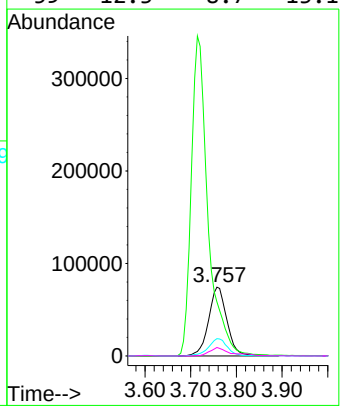


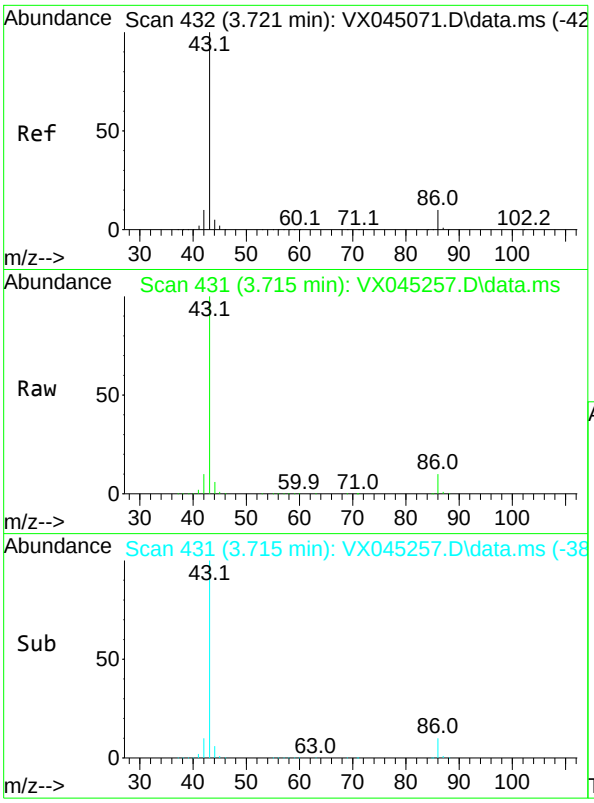


#22
Diisopropyl ether
Concen: 50.369 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 45 Resp: 208305

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	25.0	21.0	31.4
59	12.3	8.7	13.1



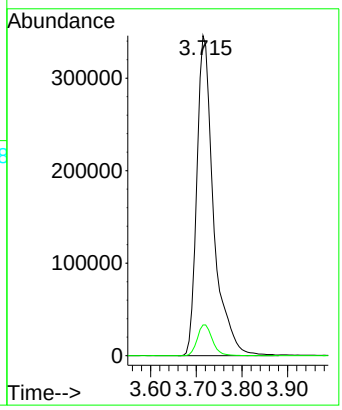


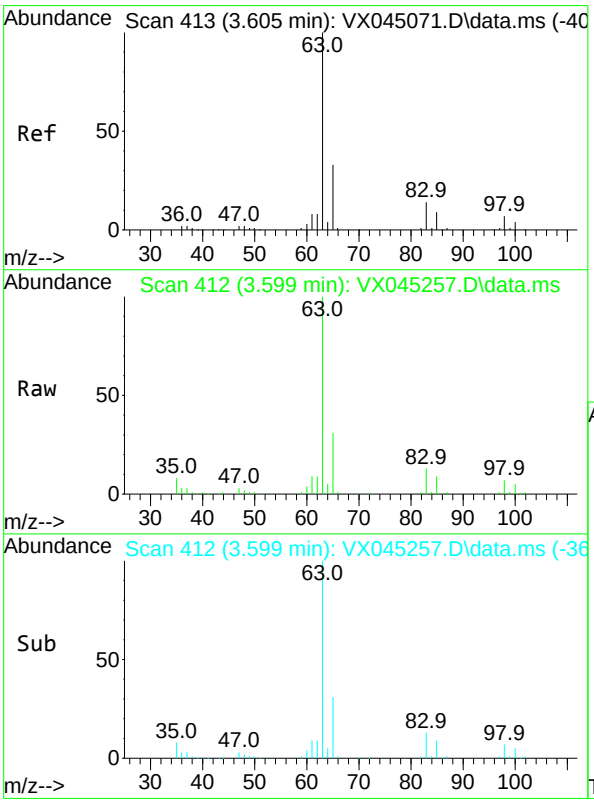
#23
Vinyl Acetate
Concen: 255.083 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 880345

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

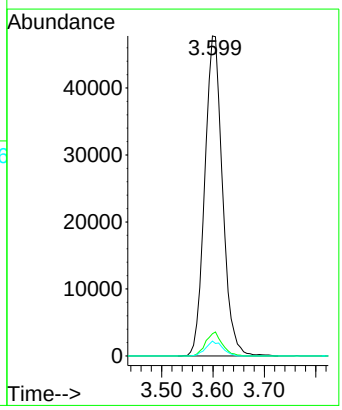


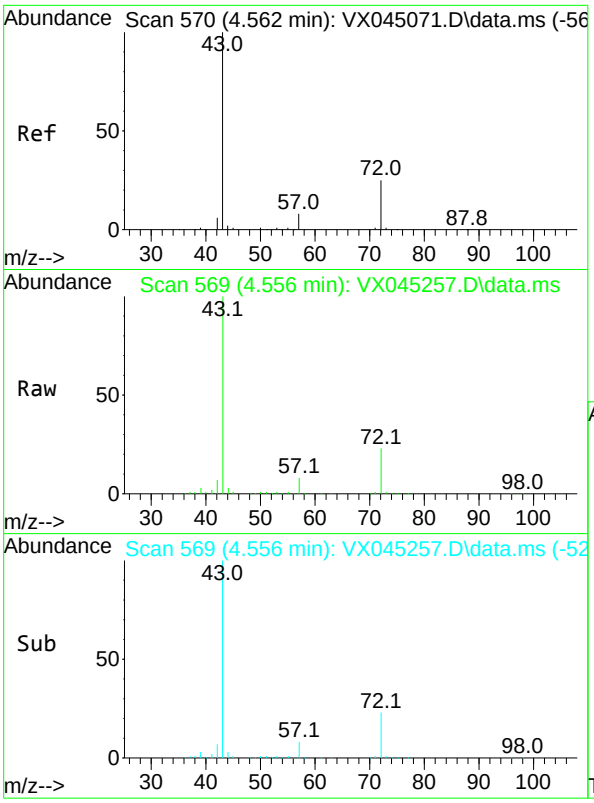


#24
1,1-Dichloroethane
Concen: 49.538 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 63 Resp: 114815

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.6	2.1	6.5



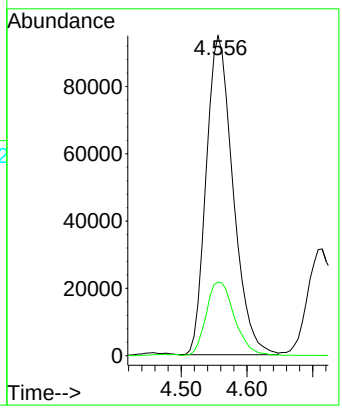


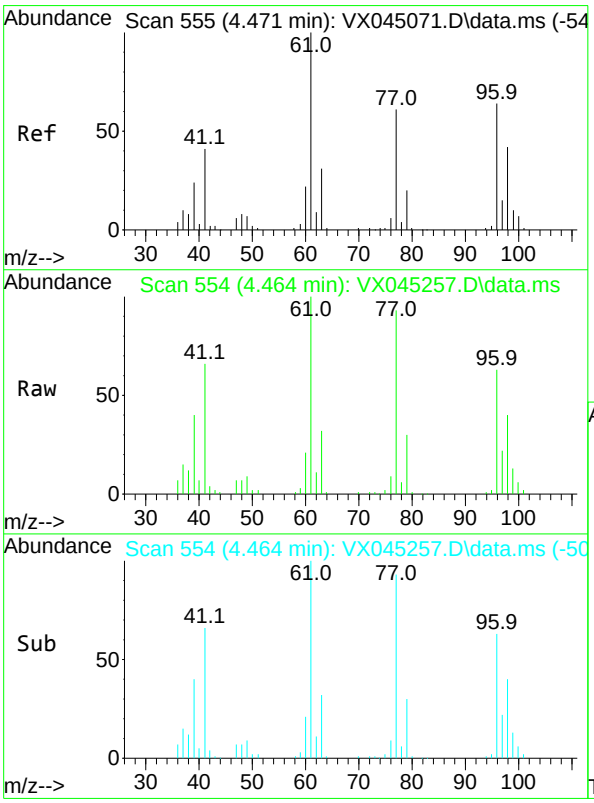
#25
2-Butanone
Concen: 260.525 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 269063

Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.0	30.0

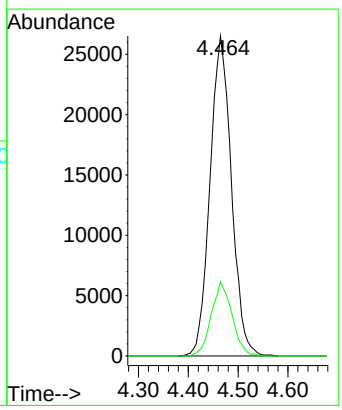


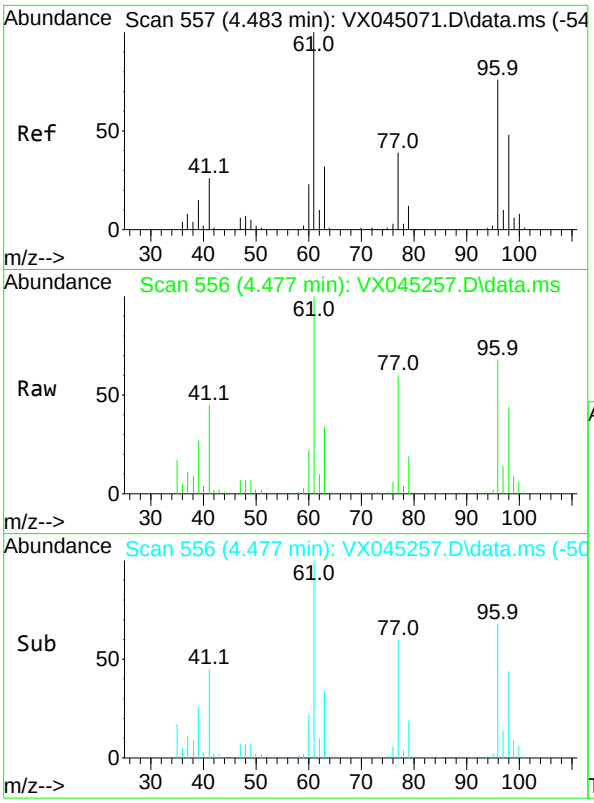


#26
2,2-Dichloropropane
Concen: 72.834 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 77 Resp: 79181

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0



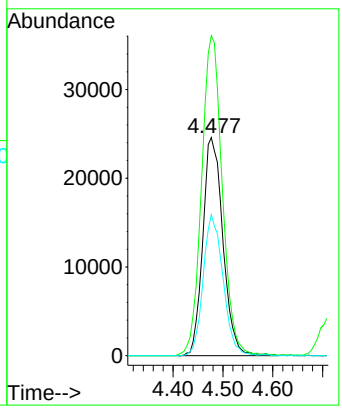


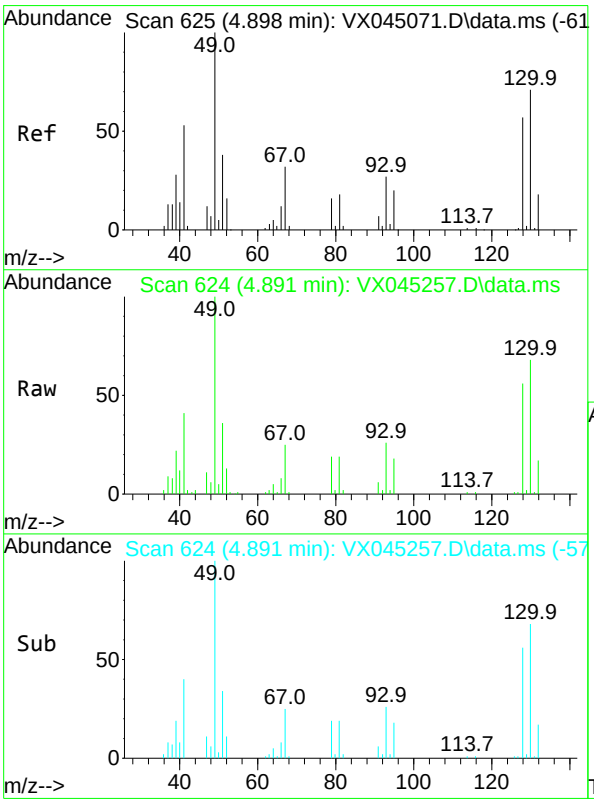
#27
cis-1,2-Dichloroethene
Concen: 49.445 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 68887

Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	283.2
98	63.8	0.0	128.0

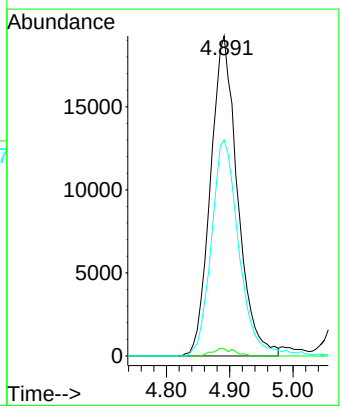


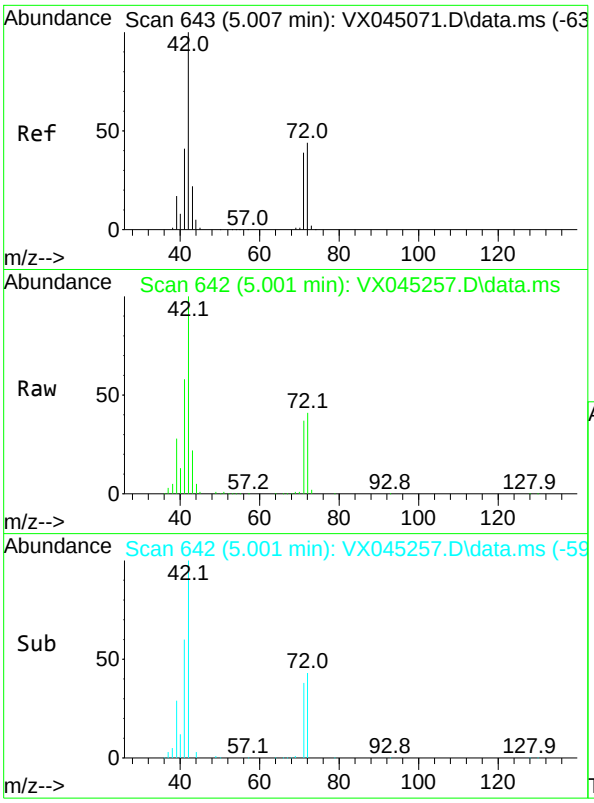


#28
Bromochloromethane
Concen: 51.659 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 49 Resp: 57070

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	69.1	56.1	84.1



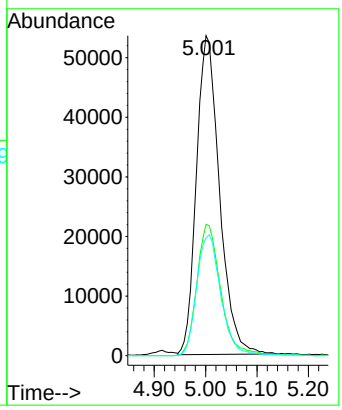


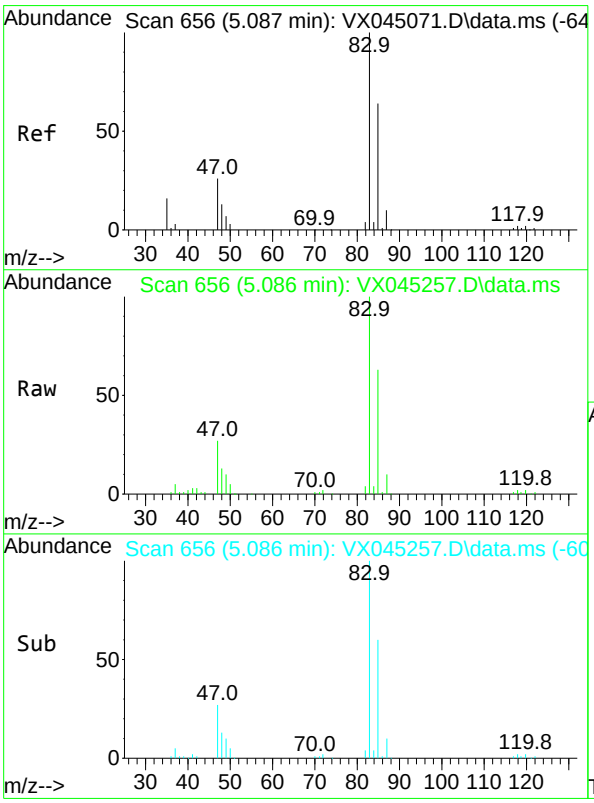
#29
Tetrahydrofuran
Concen: 240.995 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 167144

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.7	31.4	47.0

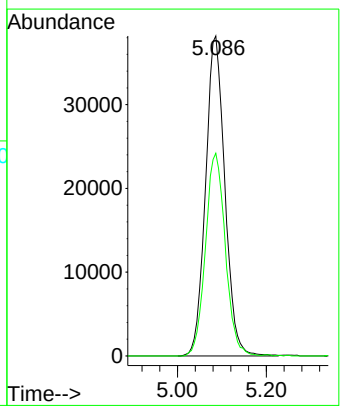


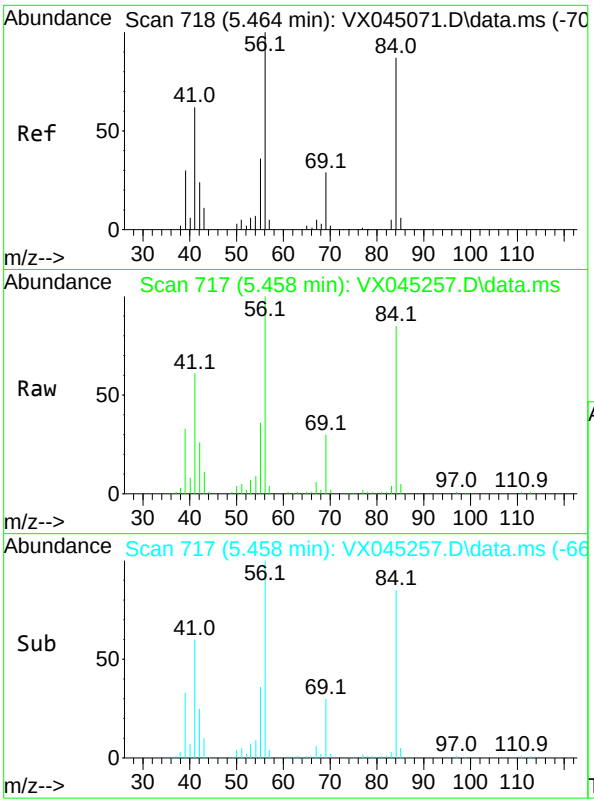


#30
Chloroform
Concen: 50.056 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 83 Resp: 115276

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2



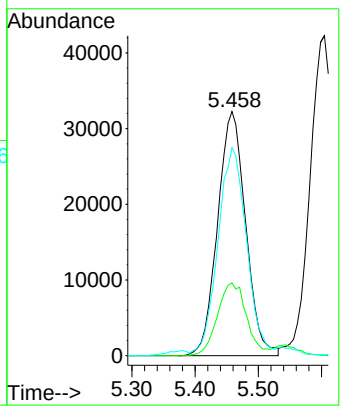


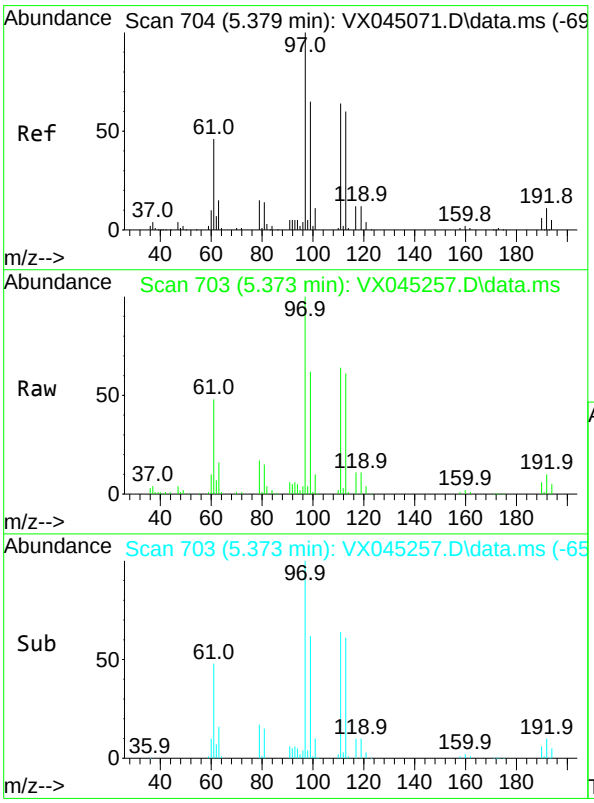
#31
Cyclohexane
Concen: 49.368 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 99325

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.4	35.2
84	83.4	69.4	104.2

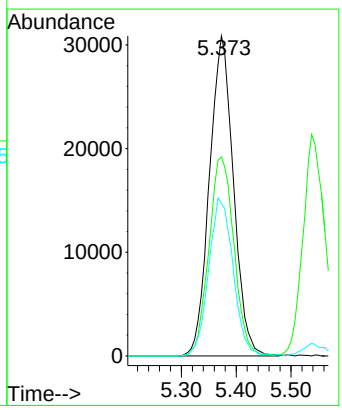


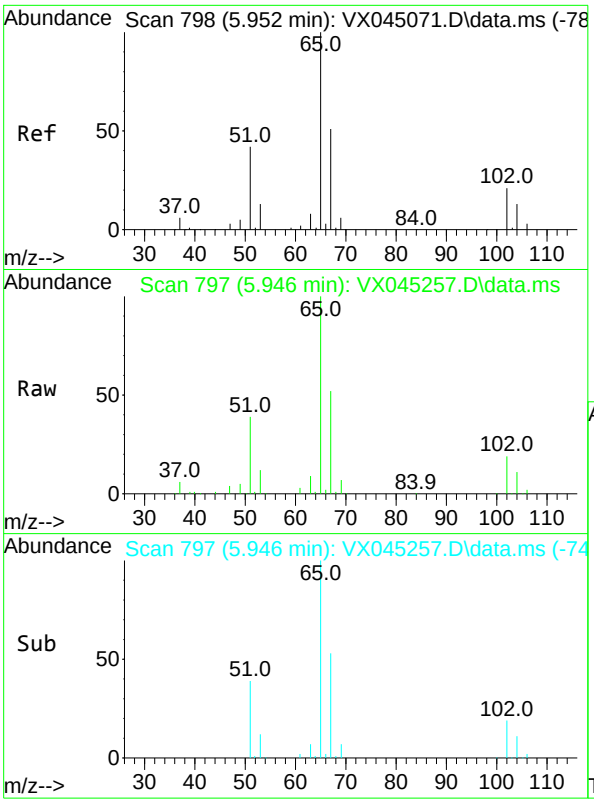


#32
1,1,1-Trichloroethane
Concen: 50.422 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 97 Resp: 93785

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	50.4	38.4	57.6



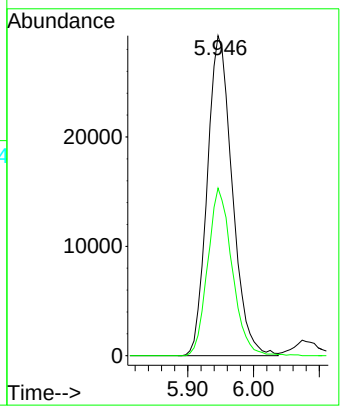


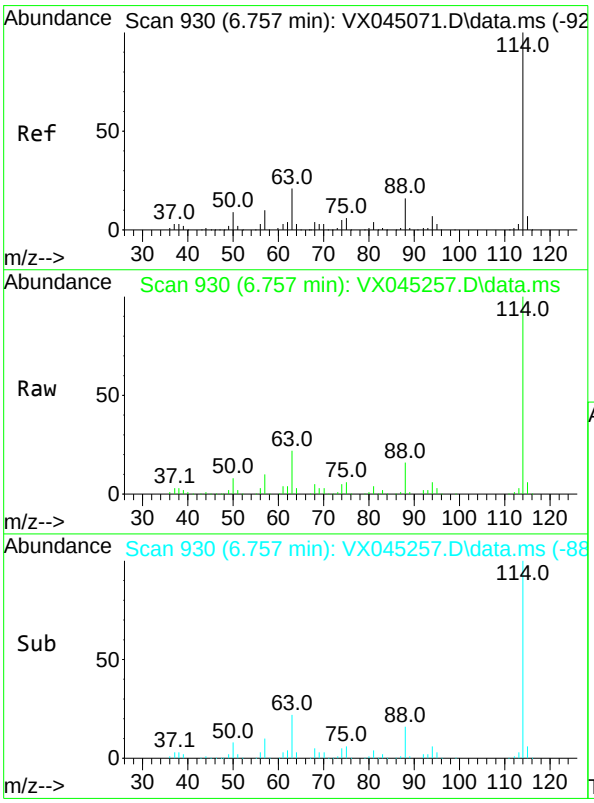
#33
1,2-Dichloroethane-d4
Concen: 52.297 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 77336

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

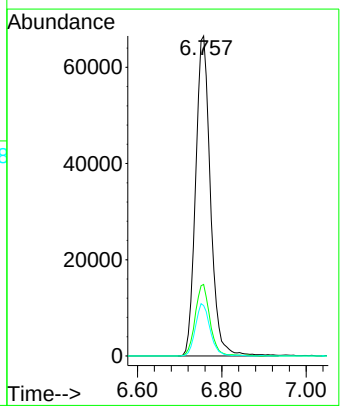


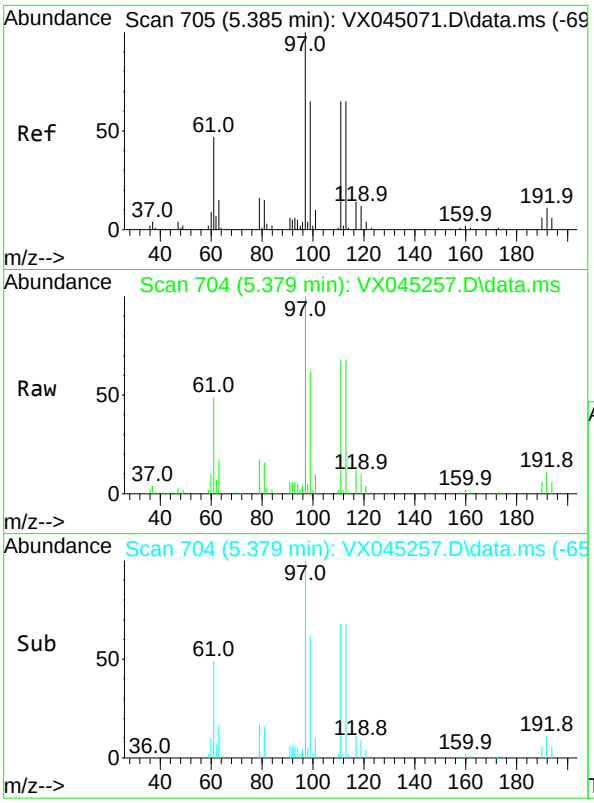


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:114 Resp: 162999

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	15.7	0.0	32.8



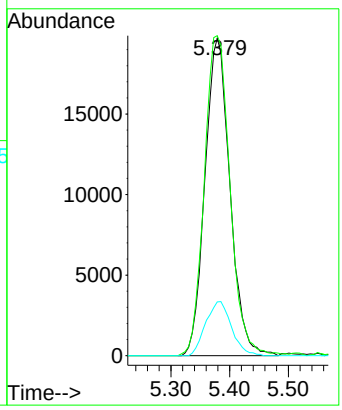


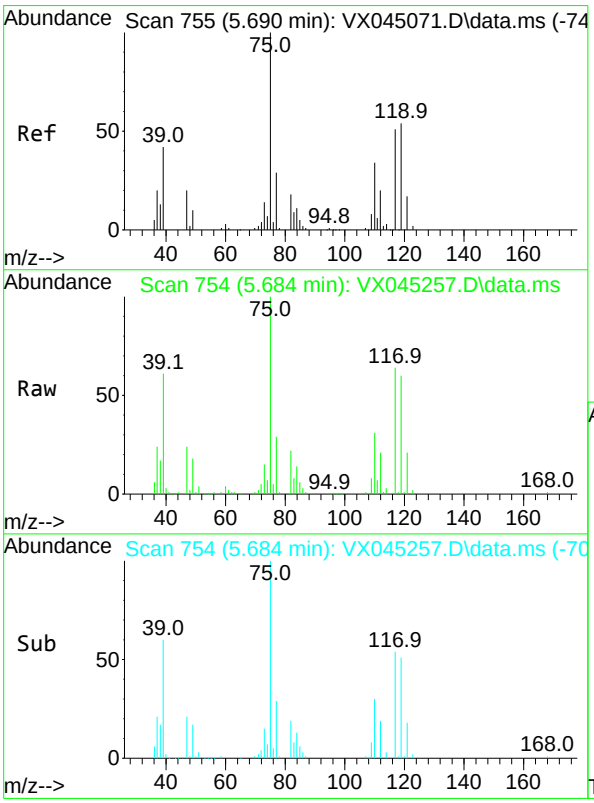
#35
Dibromofluoromethane
Concen: 53.317 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 58112

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.6	14.3	21.5

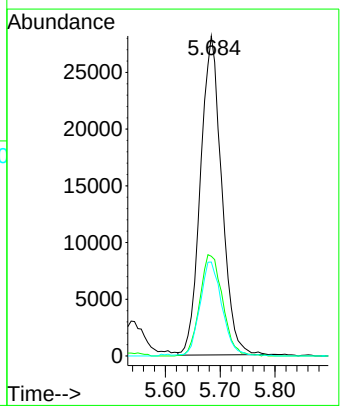


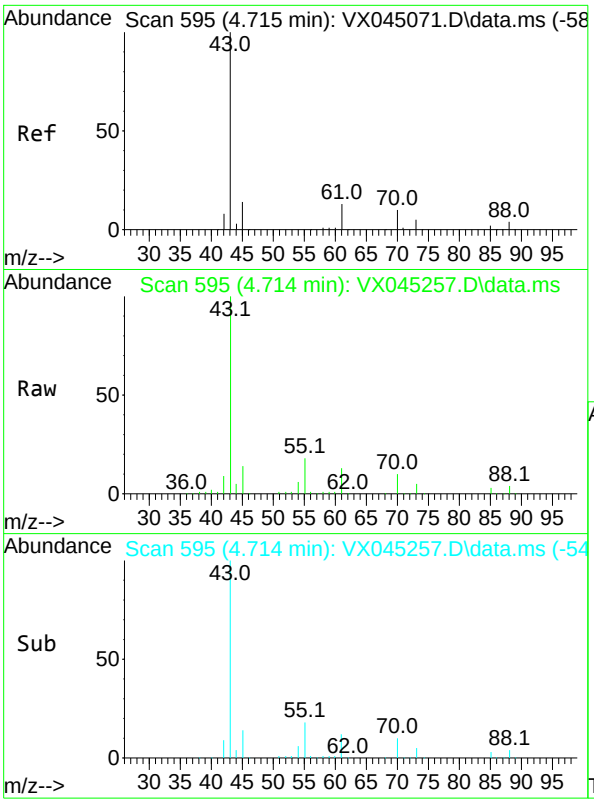


#36
1,1-Dichloropropene
Concen: 50.546 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 75552

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	30.8	24.5	36.7



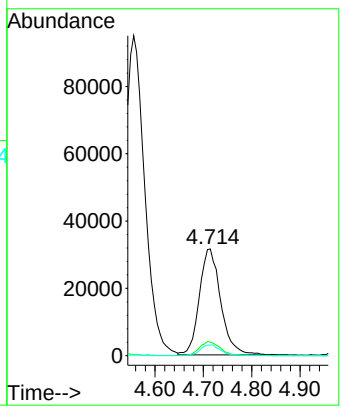


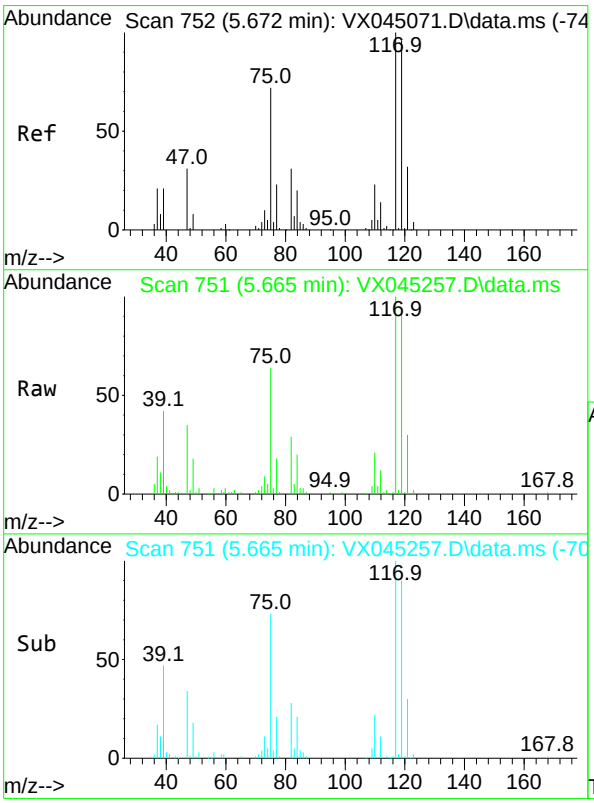
#37
Ethyl Acetate
Concen: 50.189 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 96666

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.8	16.2
70	9.8	7.7	11.5

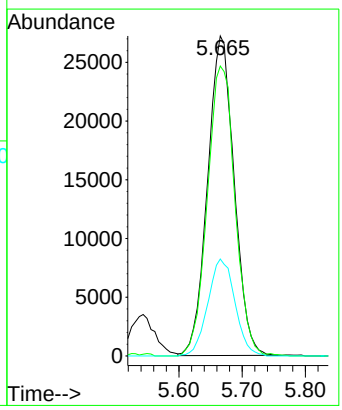


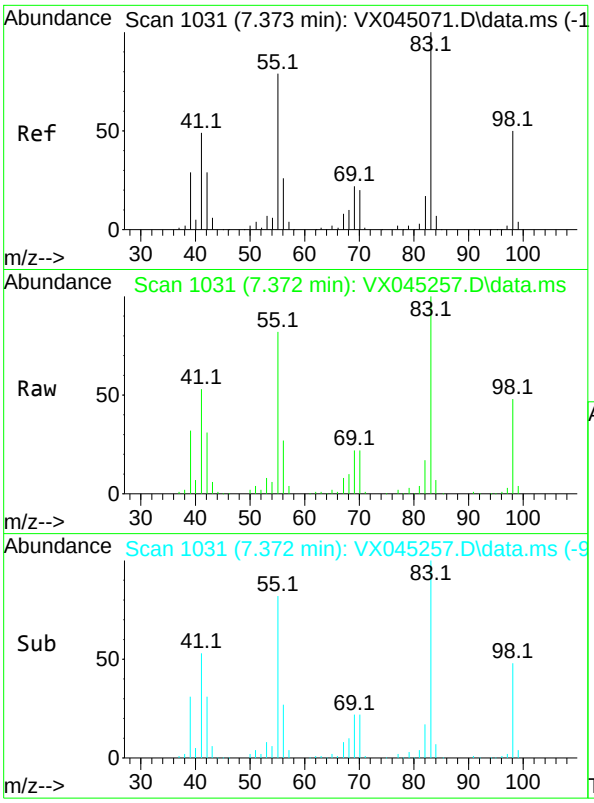


#38
Carbon Tetrachloride
Concen: 52.271 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:117 Resp: 79322

Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.7	115.1
121	30.4	25.5	38.3



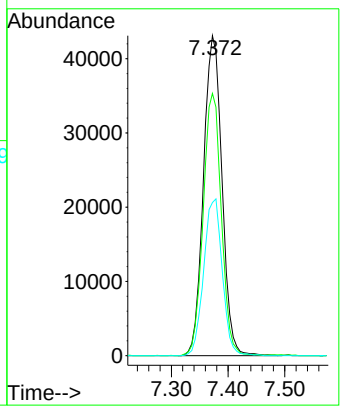


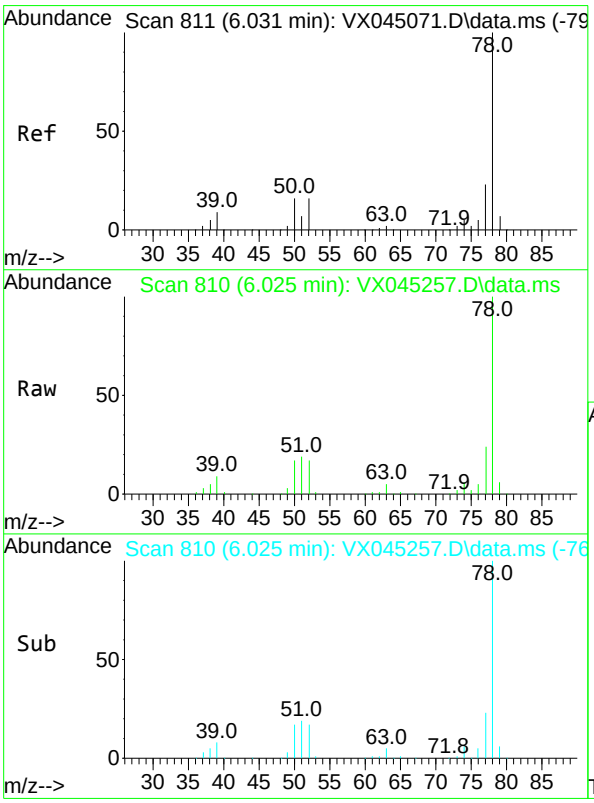
#39
Methylcyclohexane
Concen: 54.710 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 97987

Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.0	94.4
98	47.9	39.7	59.5

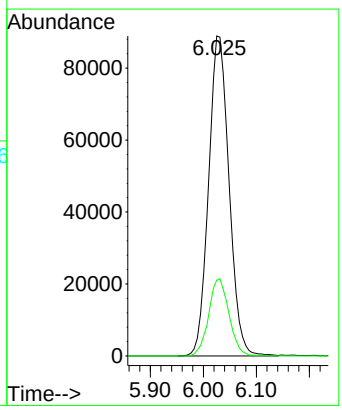


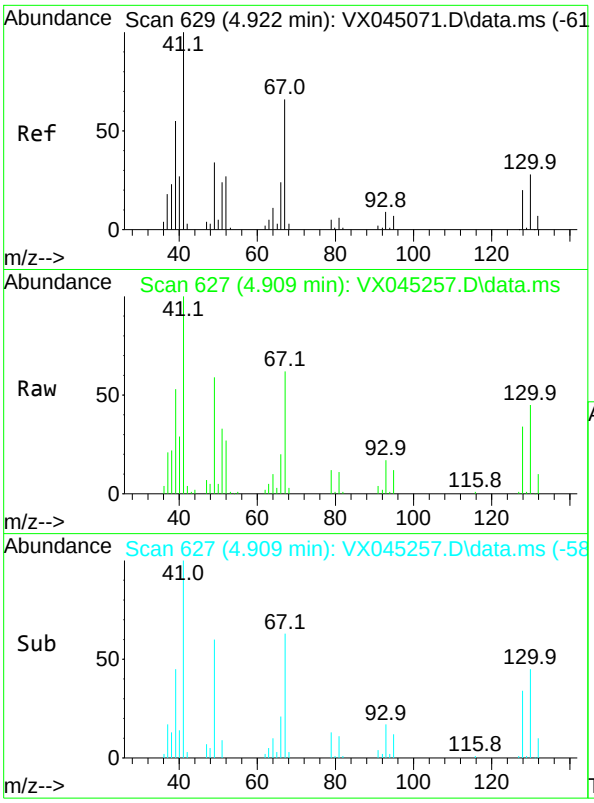


#40
Benzene
Concen: 50.537 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 78 Resp: 238534

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



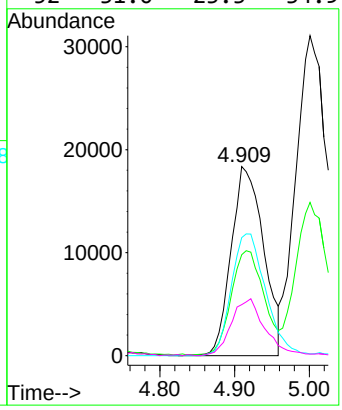


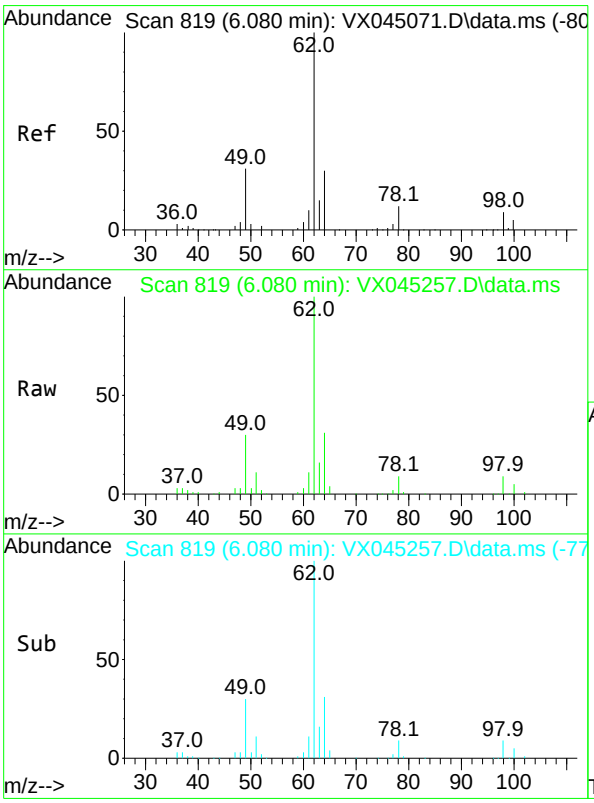
#41
Methacrylonitrile
Concen: 53.340 ug/l
RT: 4.909 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 55551

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	67.9	53.9	80.9
52	31.0	23.3	34.9

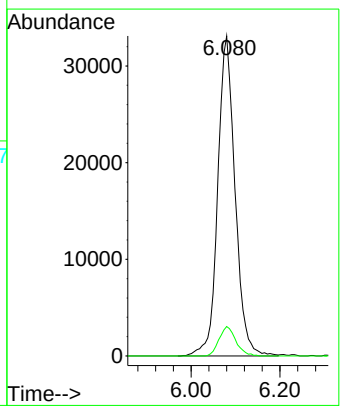


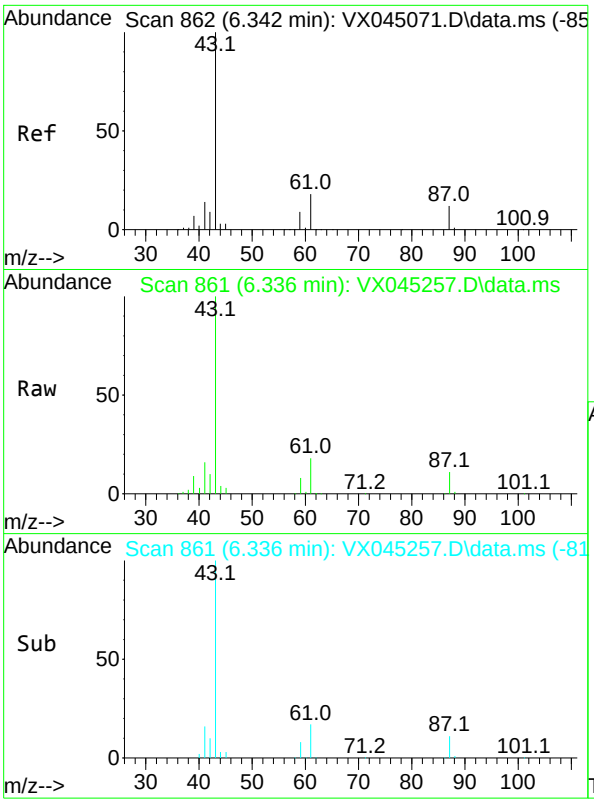


#42
1,2-Dichloroethane
Concen: 52.542 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 62 Resp: 89305

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



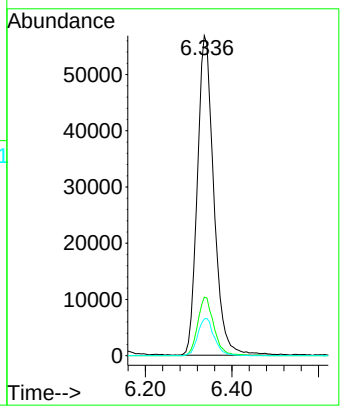


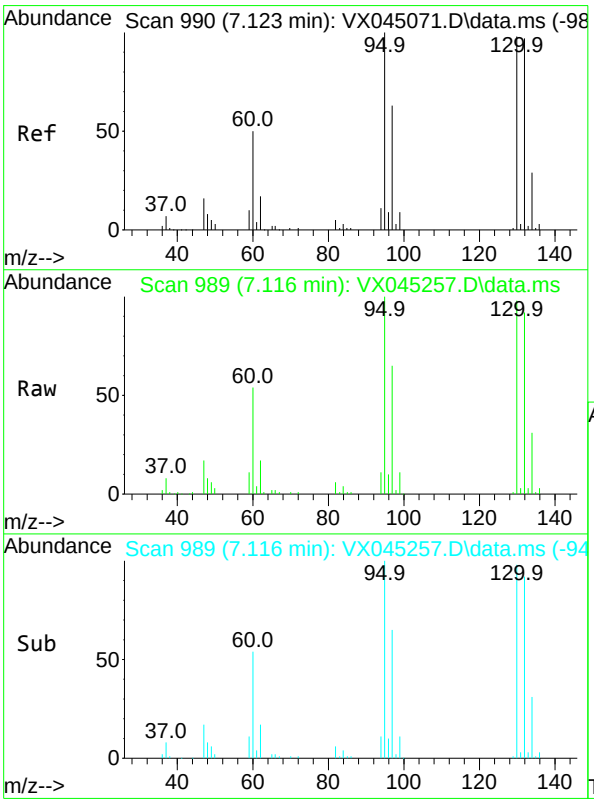
#43
Isopropyl Acetate
Concen: 52.647 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 149943

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.7	9.4	14.2

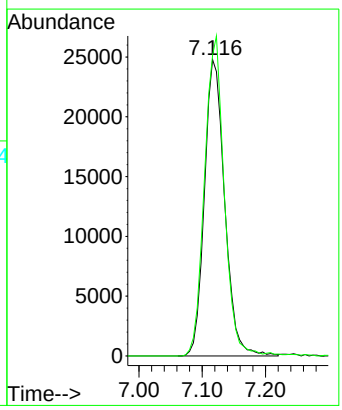


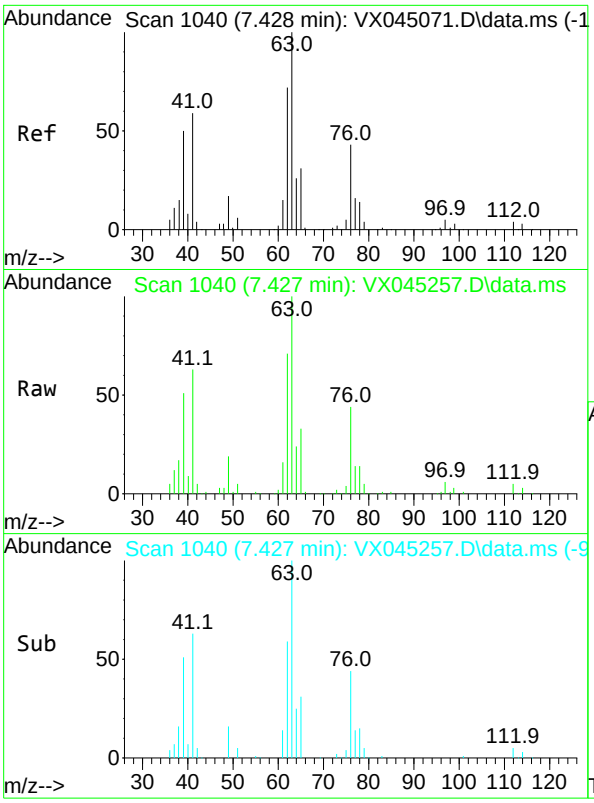


#44
Trichloroethene
Concen: 49.801 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:130 Resp: 55195

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	205.0



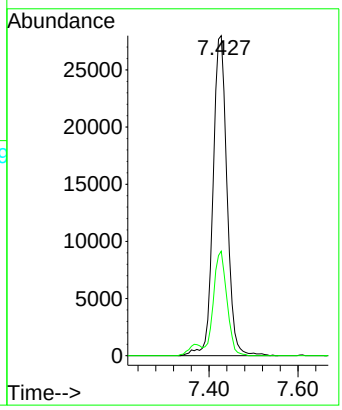


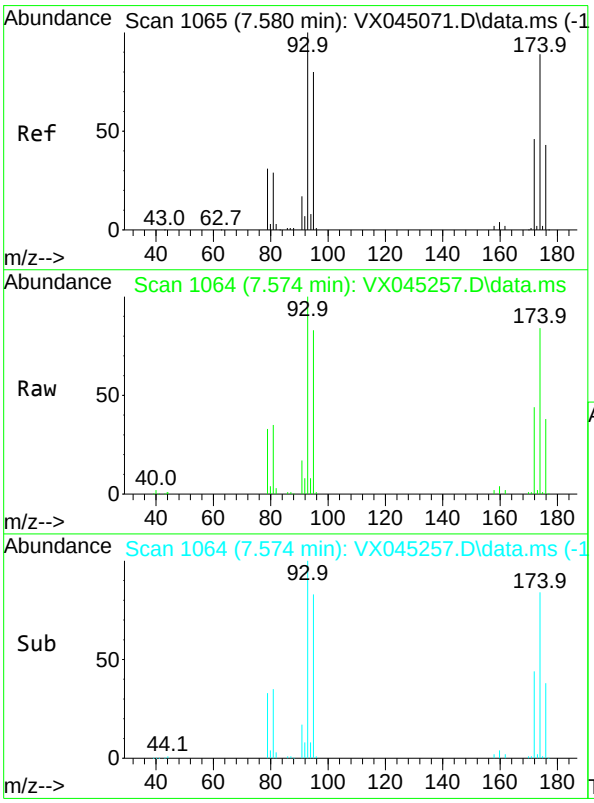
#45
1,2-Dichloropropane
Concen: 50.174 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 60889

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.7	37.1

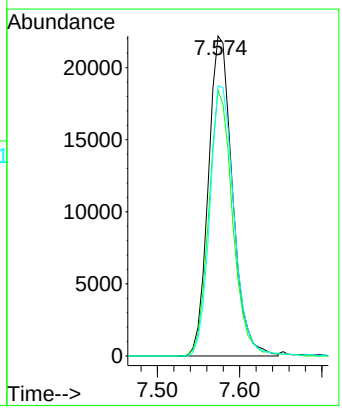


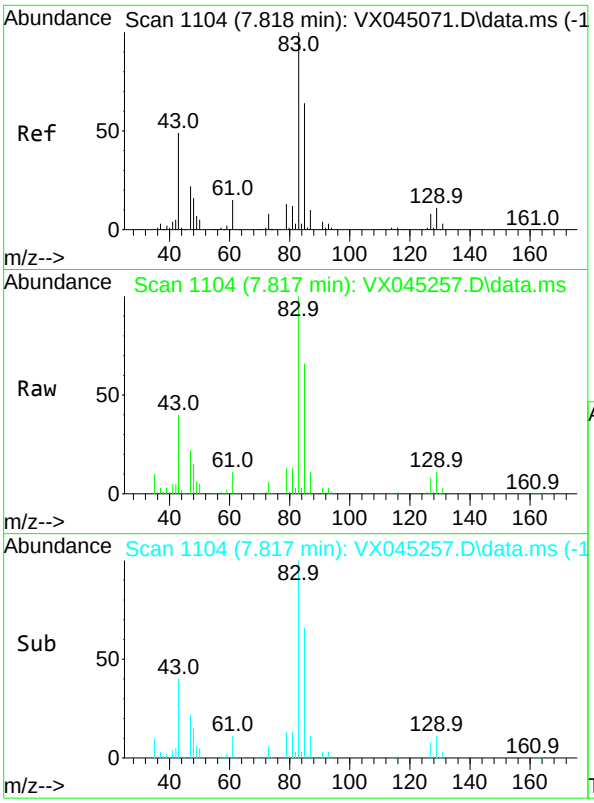


#46
Dibromomethane
Concen: 52.654 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 93 Resp: 45165

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.1	72.2	108.2



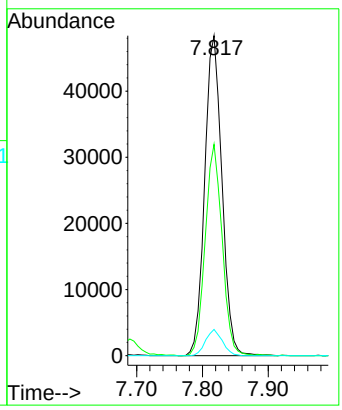


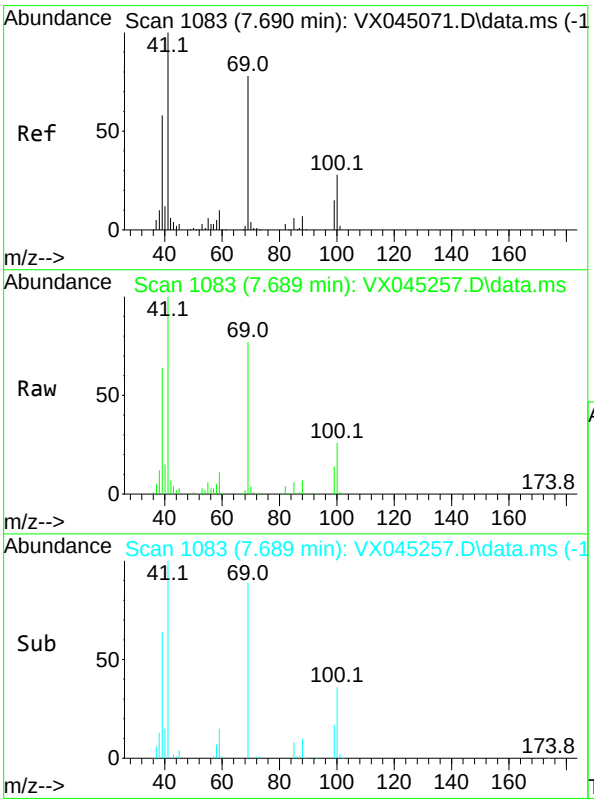
#47
Bromodichloromethane
Concen: 52.546 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 88408

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	8.2	6.4	9.6

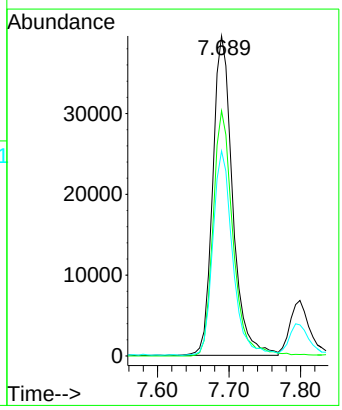


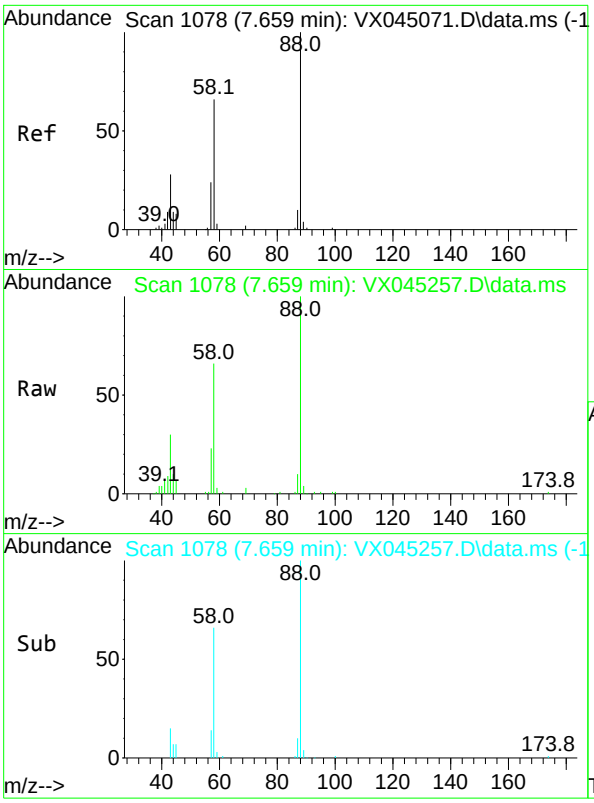


#48
Methyl methacrylate
Concen: 53.300 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 41 Resp: 76158

Ion	Ratio	Lower	Upper
41	100		
69	77.4	63.0	94.6
39	63.8	47.5	71.3



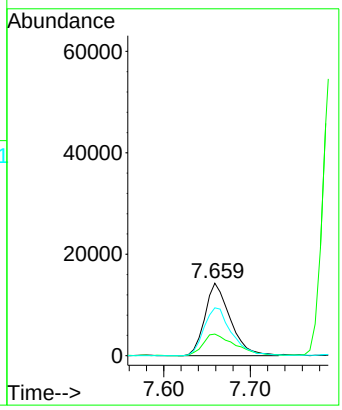


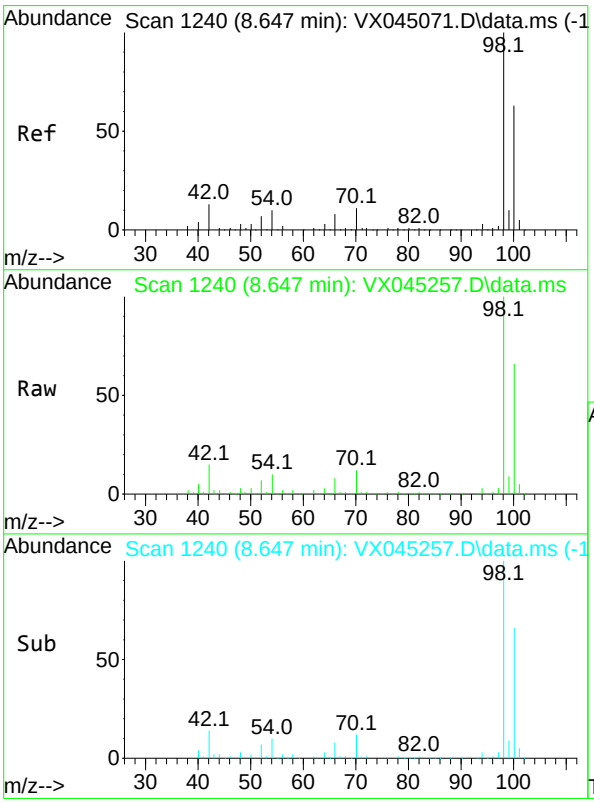
#49
1,4-Dioxane
Concen: 964.689 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29076

Ion	Ratio	Lower	Upper
88	100		
43	37.7	28.7	43.1
58	71.9	55.8	83.8

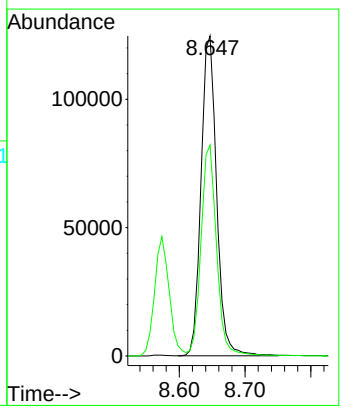


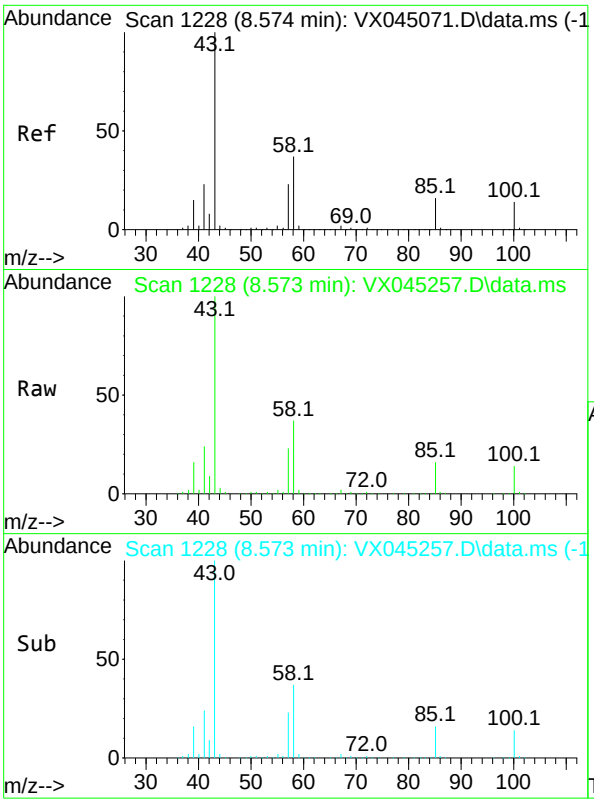


#50
Toluene-d8
Concen: 51.934 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 98 Resp: 205212

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0



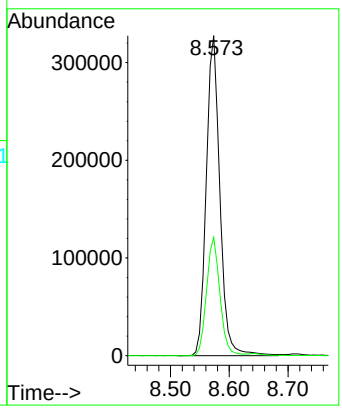


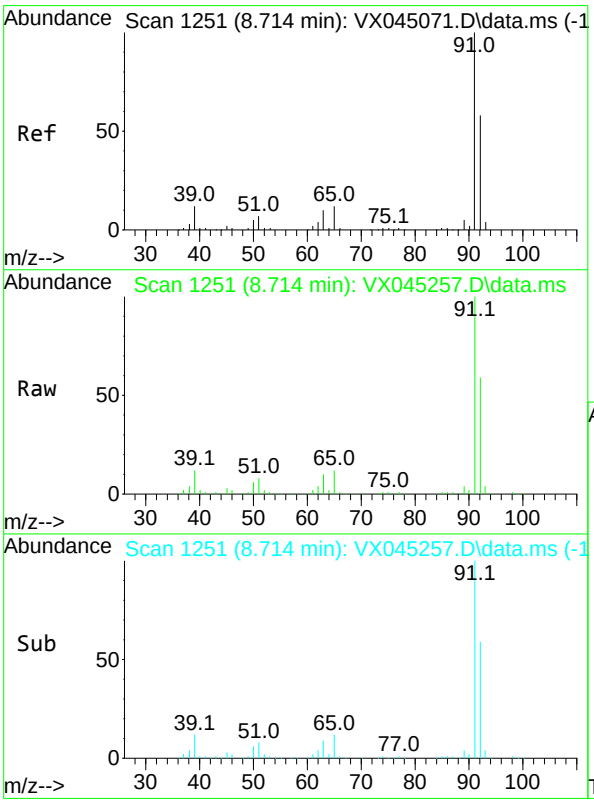
#51
4-Methyl-2-Pentanone
Concen: 276.238 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 528259

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

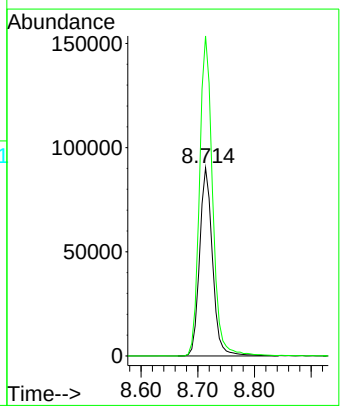


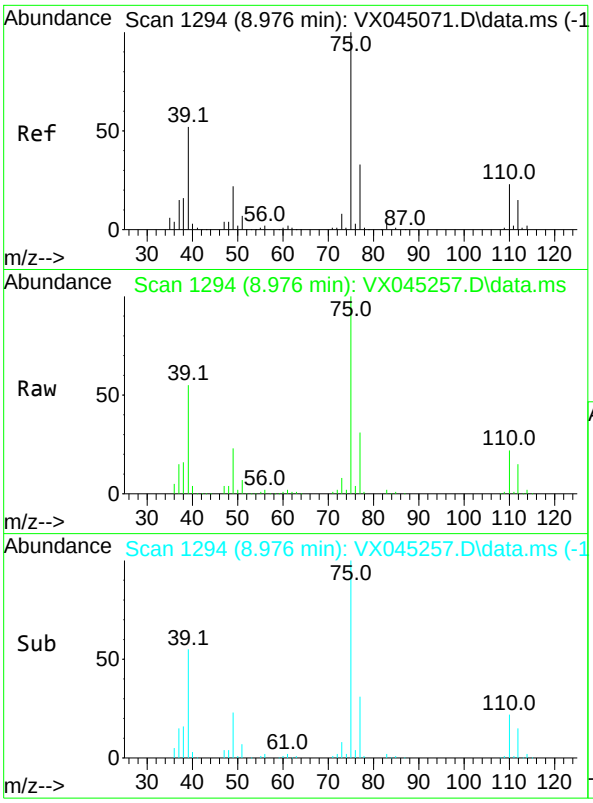


#52
Toluene
Concen: 51.486 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 92 Resp: 142581

Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.9	208.3



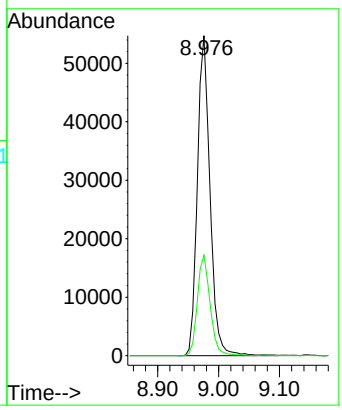


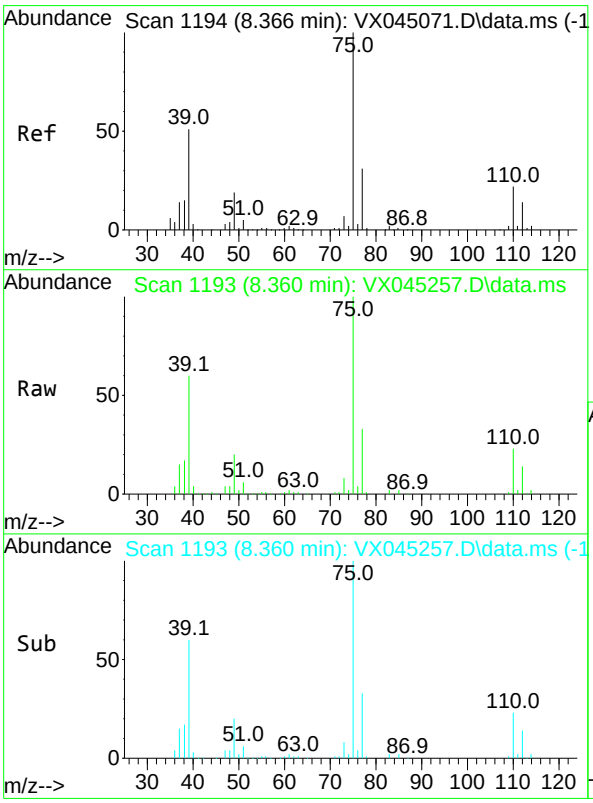
#53
t-1,3-Dichloropropene
Concen: 55.945 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 78690

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

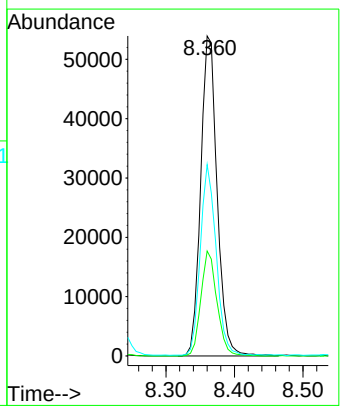


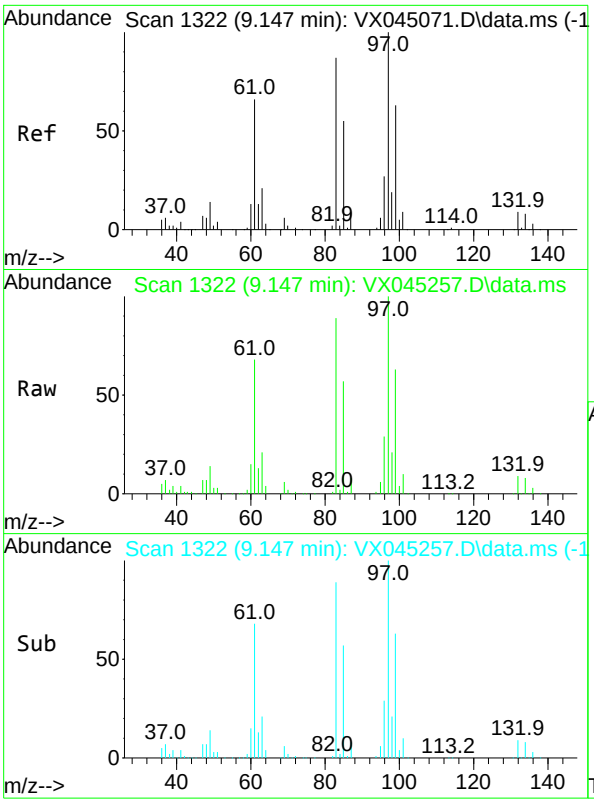


#54
cis-1,3-Dichloropropene
Concen: 55.043 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 90280

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.7	37.1
39	59.6	40.7	61.1



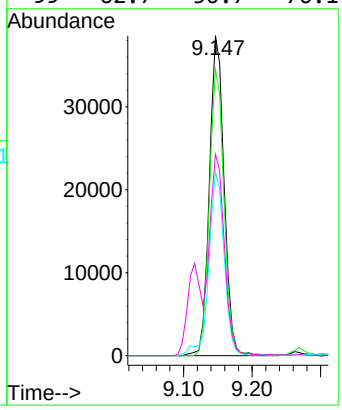


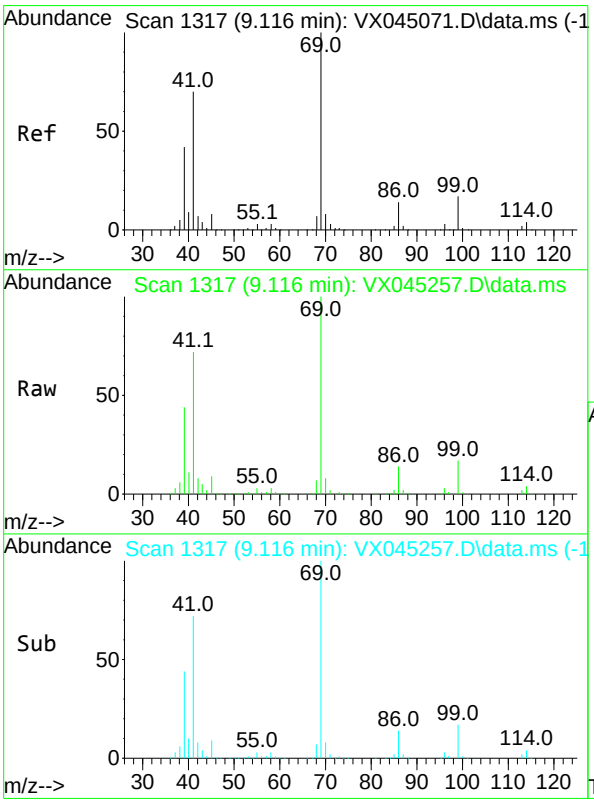
#55
1,1,2-Trichloroethane
Concen: 50.560 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 57642

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.2
85	57.5	44.1	66.1
99	62.7	50.7	76.1

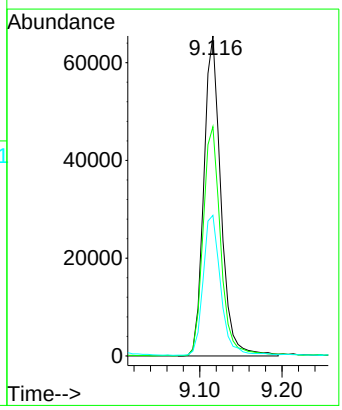


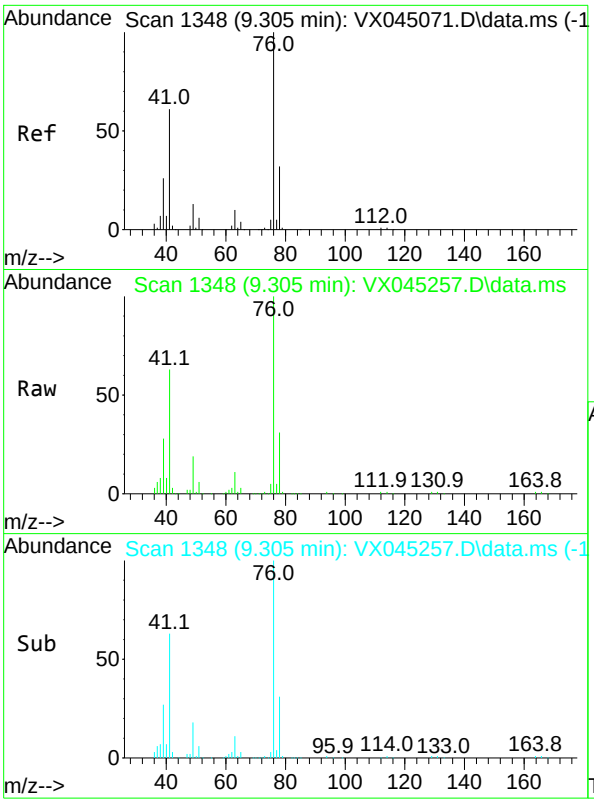


#56
Ethyl methacrylate
Concen: 54.596 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 69 Resp: 94614

Ion	Ratio	Lower	Upper
69	100		
41	74.3	57.0	85.4
39	45.0	34.2	51.4



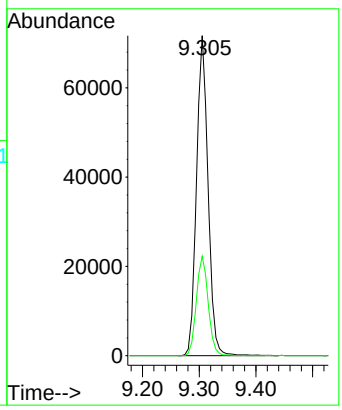


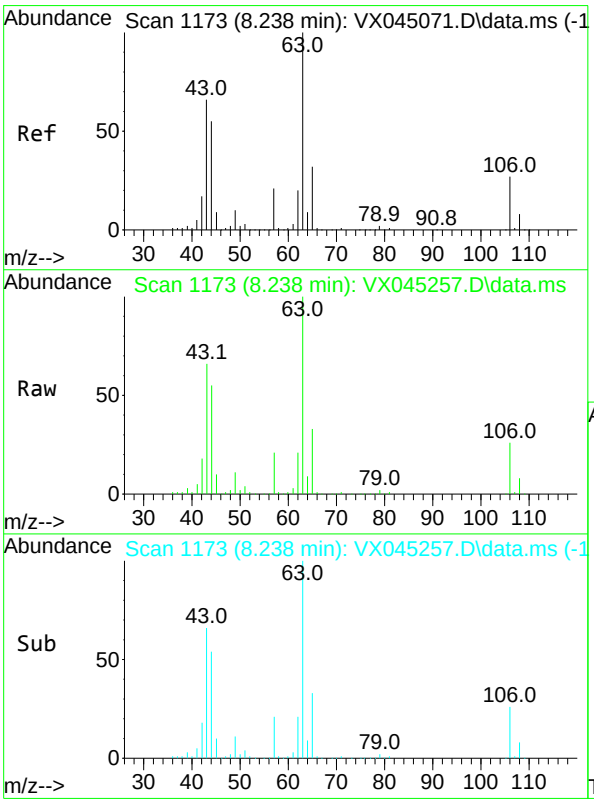
#57
1,3-Dichloropropane
Concen: 51.310 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 101233

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

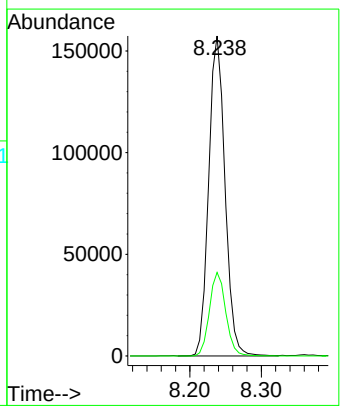


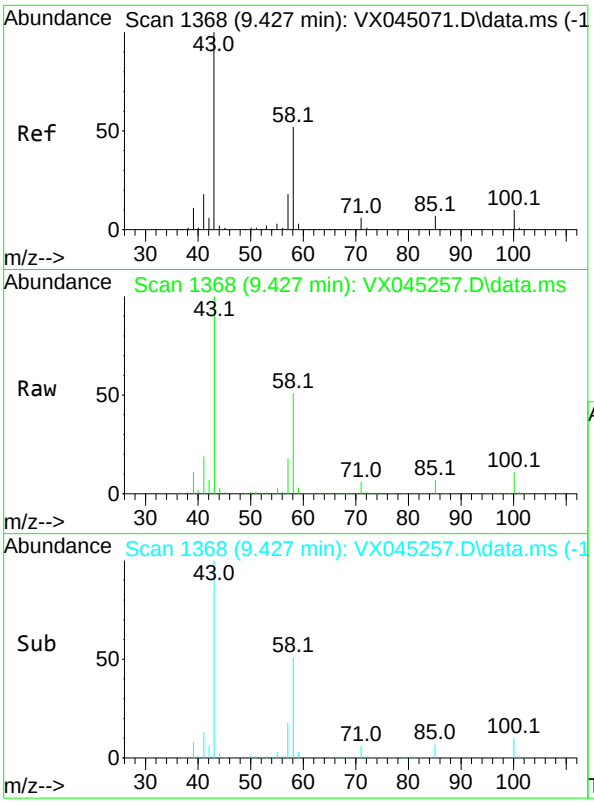


#58
2-Chloroethyl Vinyl ether
Concen: 294.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 63 Resp: 249068

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



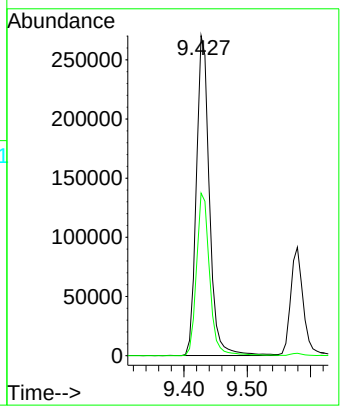


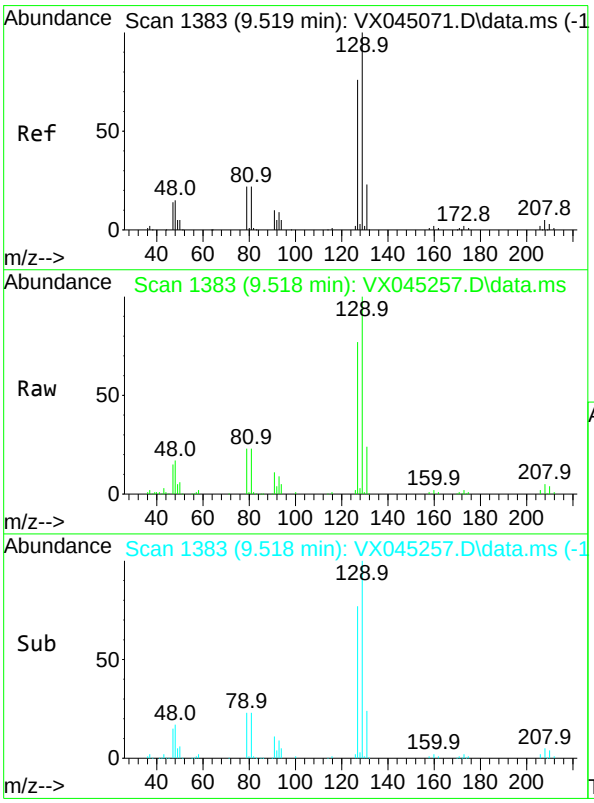
#59
2-Hexanone
Concen: 280.952 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 389277

Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.9	77.6

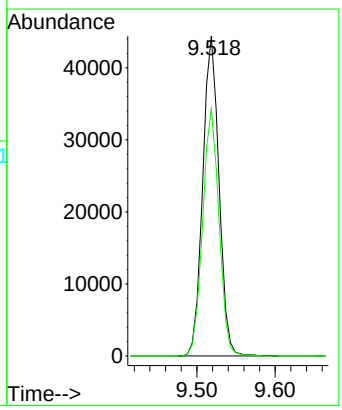


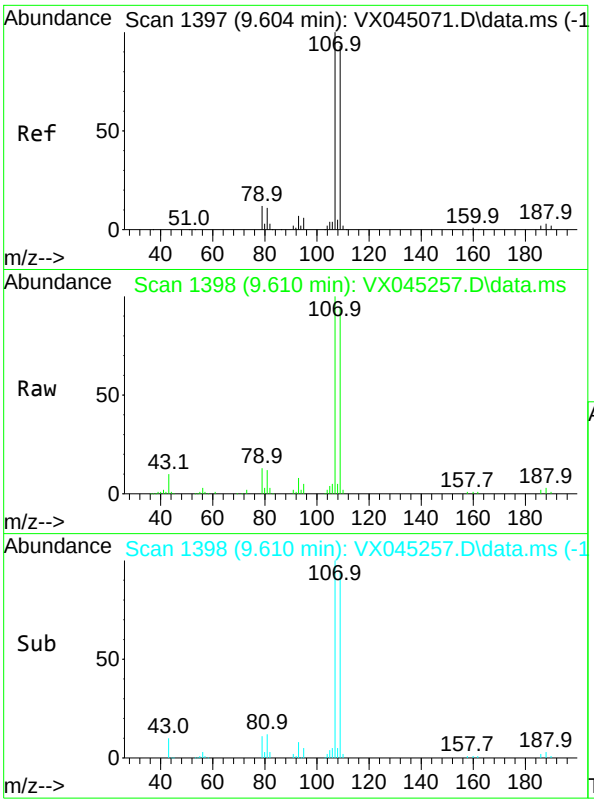


#60
Dibromochloromethane
Concen: 53.523 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:129 Resp: 63802

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.5



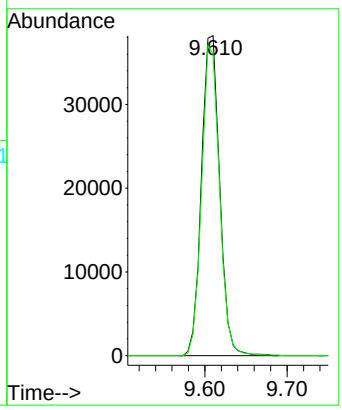


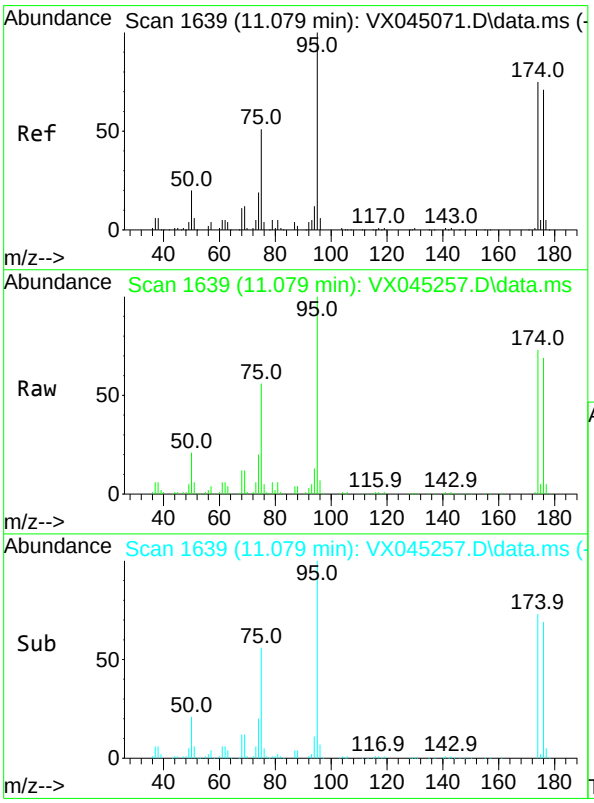
#61
1,2-Dibromoethane
Concen: 51.655 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 58790

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.1	114.1

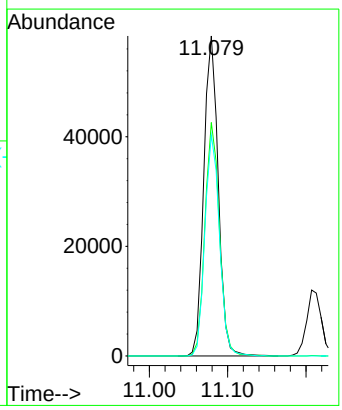


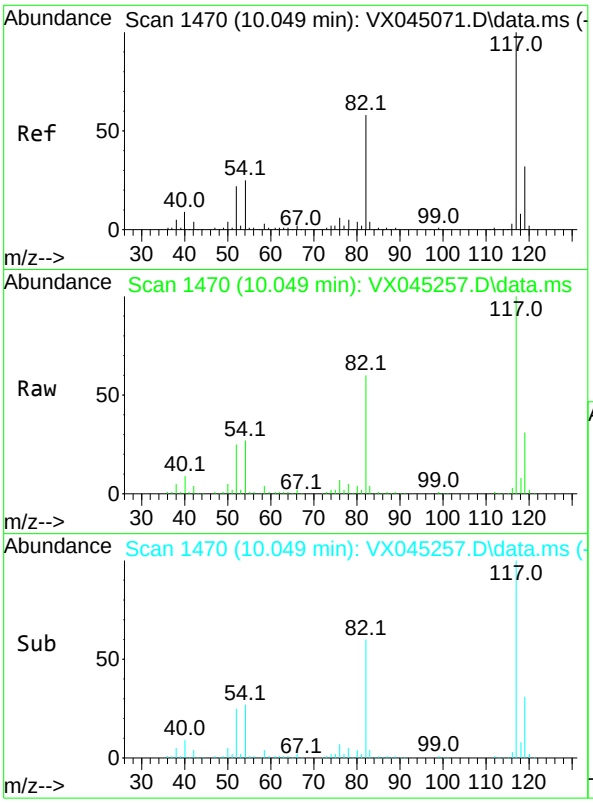


#62
4-Bromofluorobenzene
Concen: 57.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 95 Resp: 74669

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	69.6	0.0	141.4



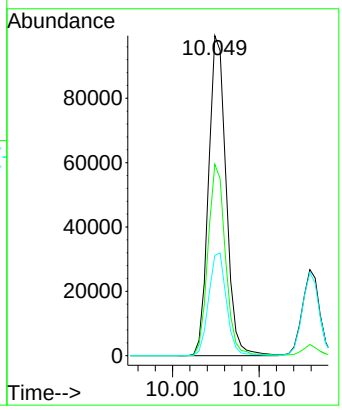


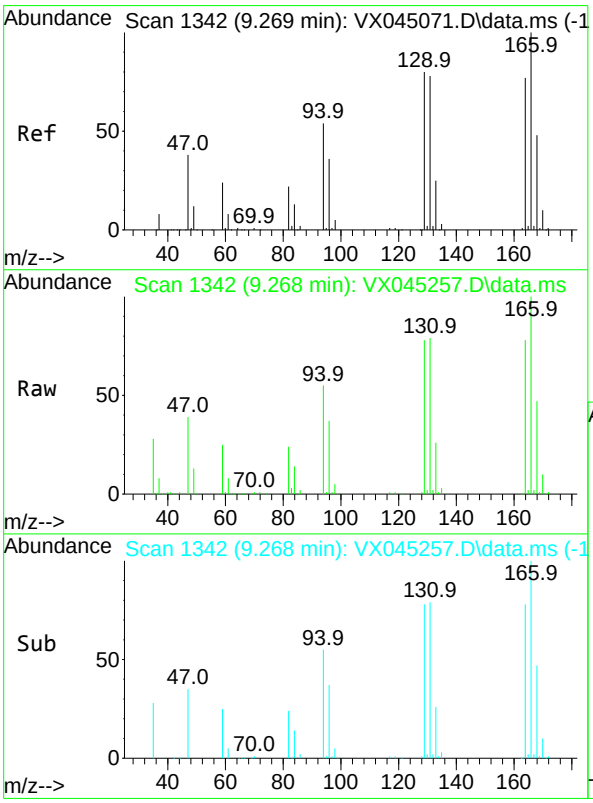
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 140183

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	31.4	25.7	38.5

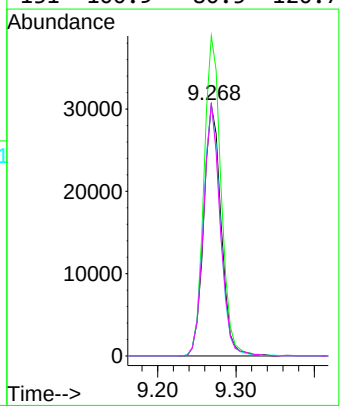


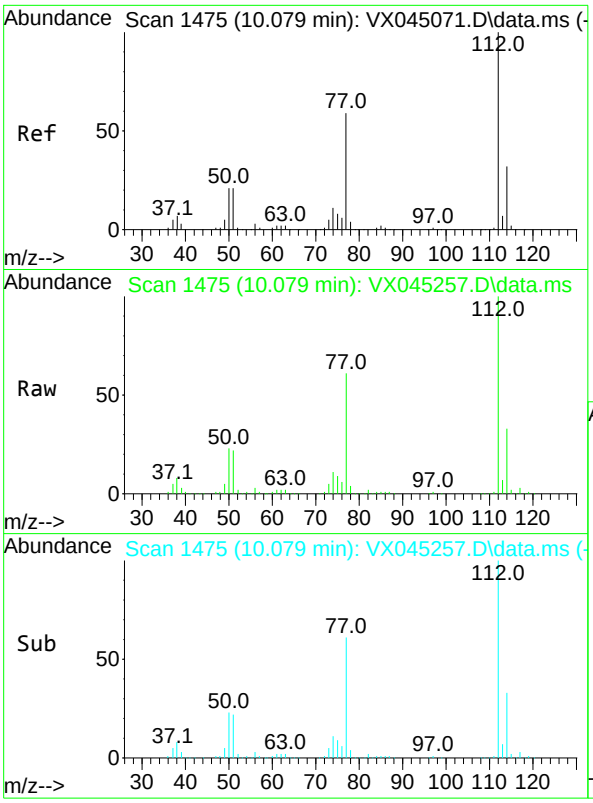


#64
Tetrachloroethene
Concen: 52.106 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:164 Resp: 46782

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	100.1	82.7	124.1
131	100.9	80.5	120.7



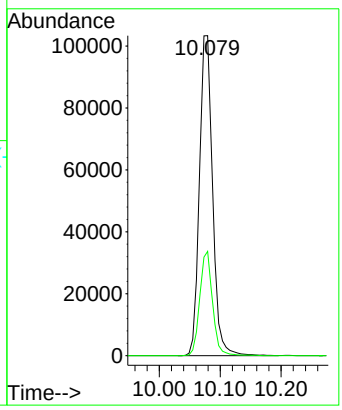


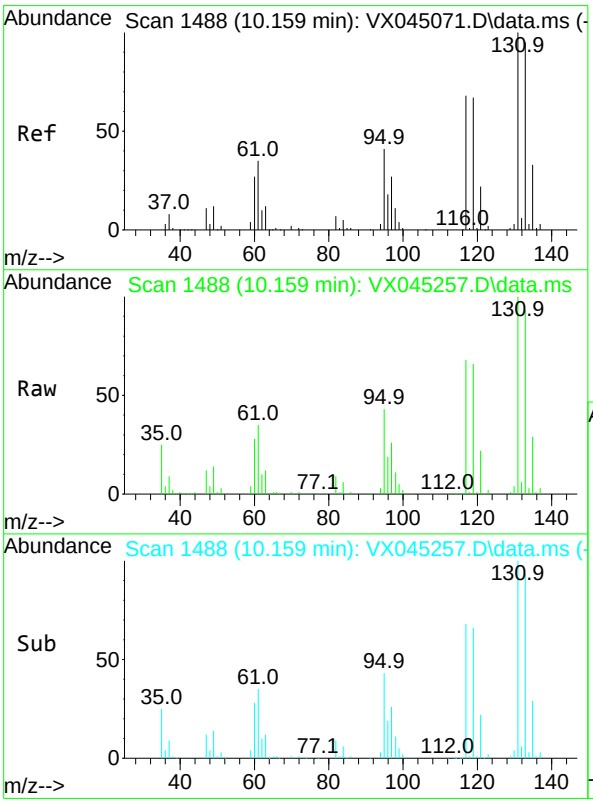
#65
Chlorobenzene
Concen: 52.401 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 155435

Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.0	39.0

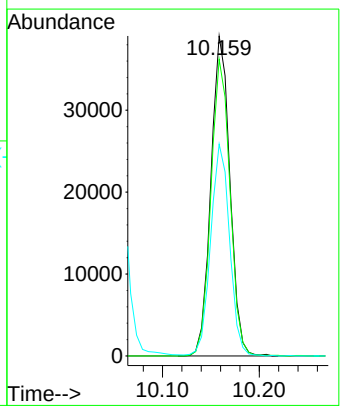


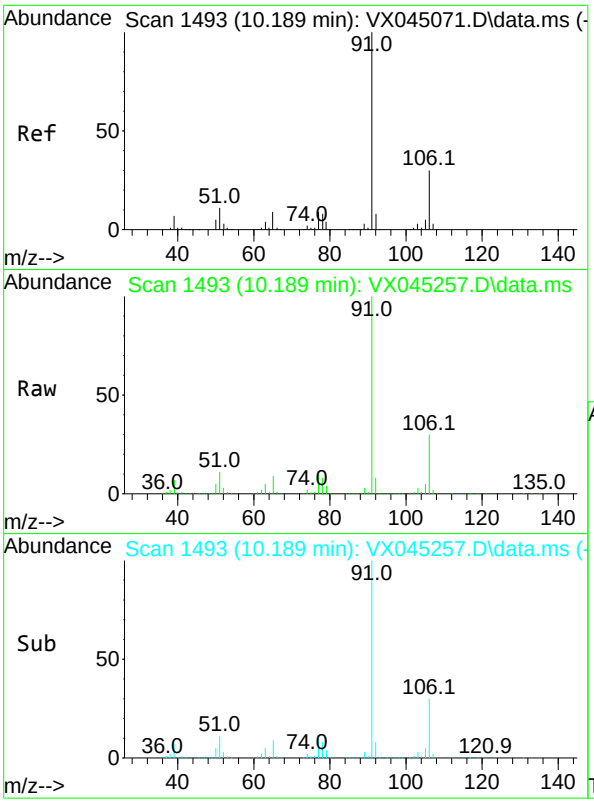


#66
1,1,1,2-Tetrachloroethane
Concen: 53.887 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:131 Resp: 53231

Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.6	145.9
119	66.1	33.9	101.7



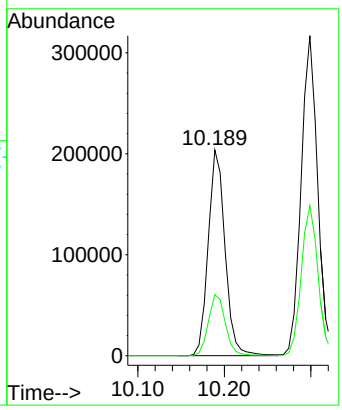


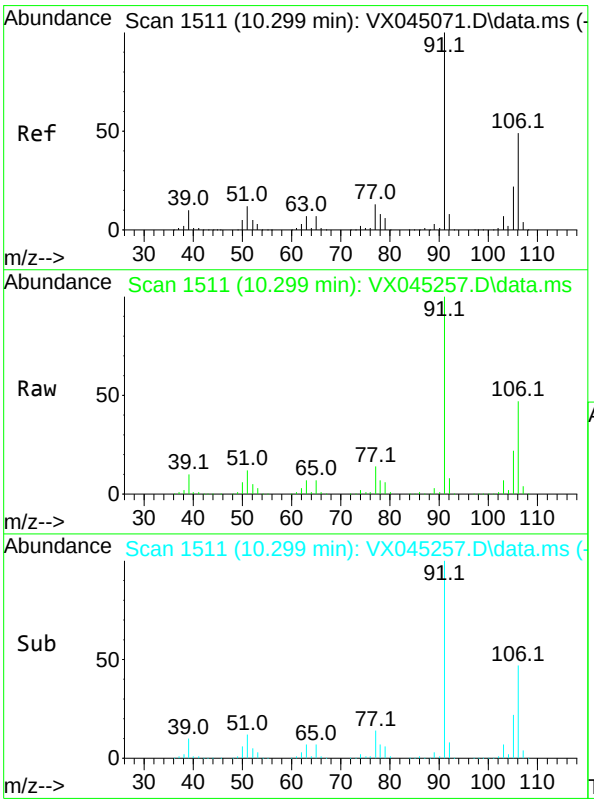
#67
Ethyl Benzene
Concen: 53.287 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 275416

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

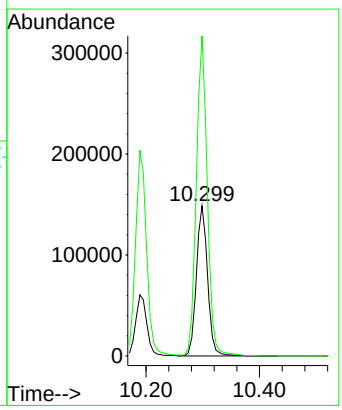


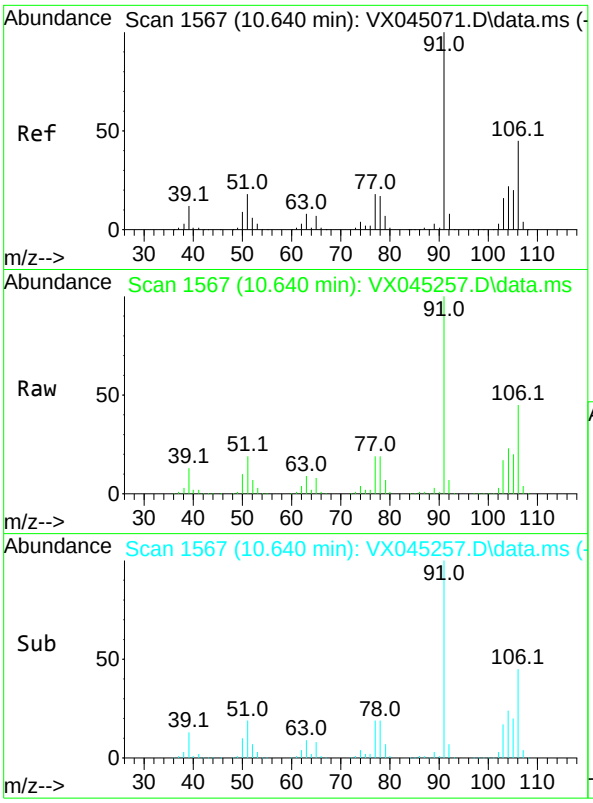


#68
m/p-Xylenes
Concen: 107.038 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:106 Resp: 202522

Ion	Ratio	Lower	Upper
106	100		
91	209.8	165.4	248.0



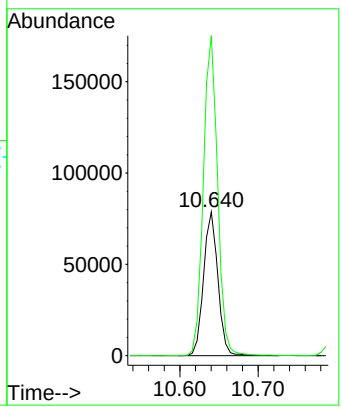


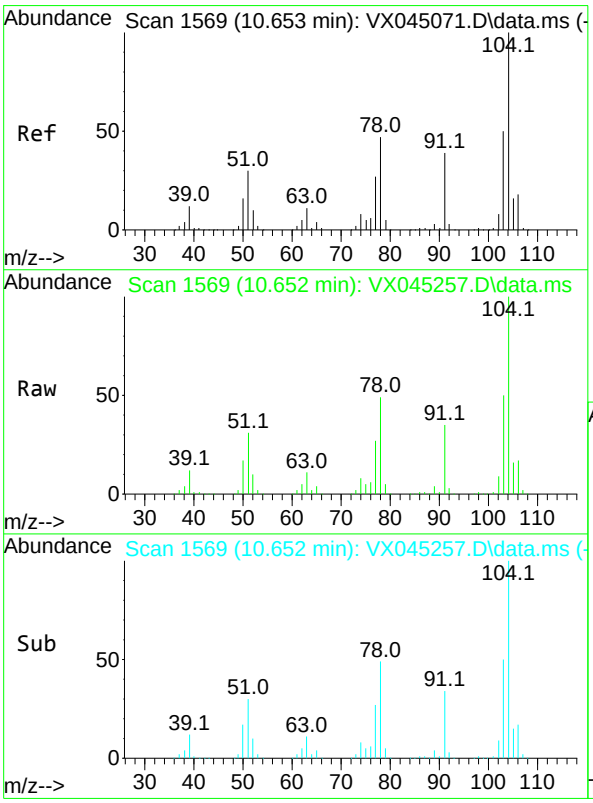
#69
o-Xylene
Concen: 52.192 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 99595

Ion	Ratio	Lower	Upper
106	100		
91	222.4	109.9	329.6

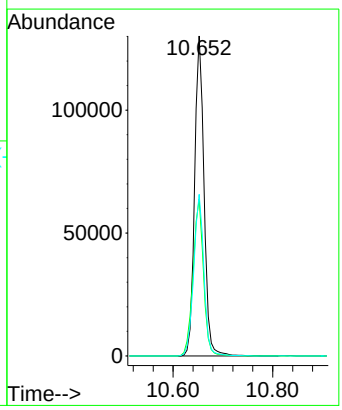


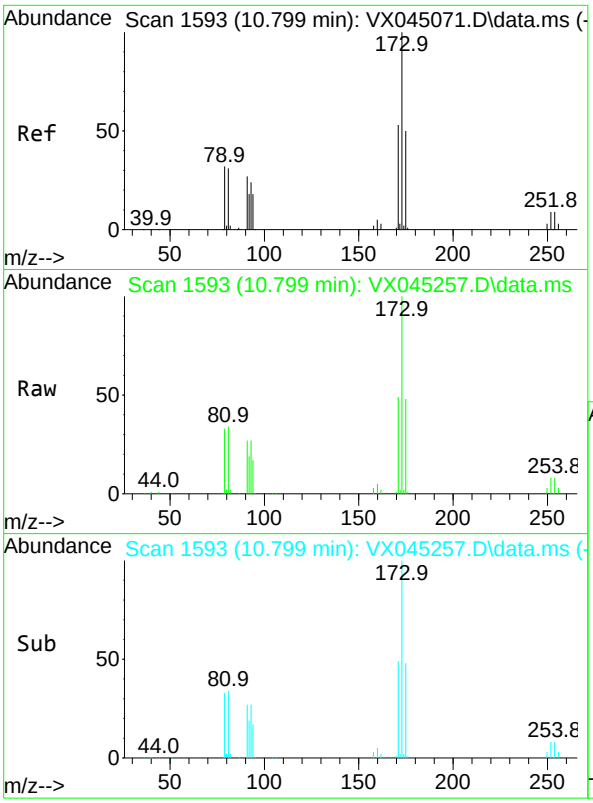


#70
Styrene
Concen: 55.336 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:104 Resp: 170860

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



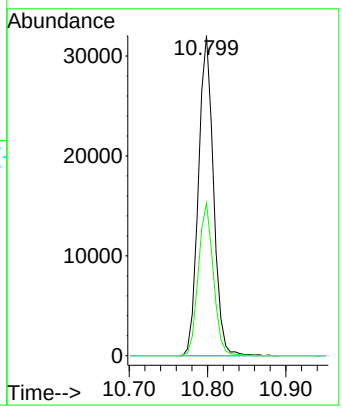


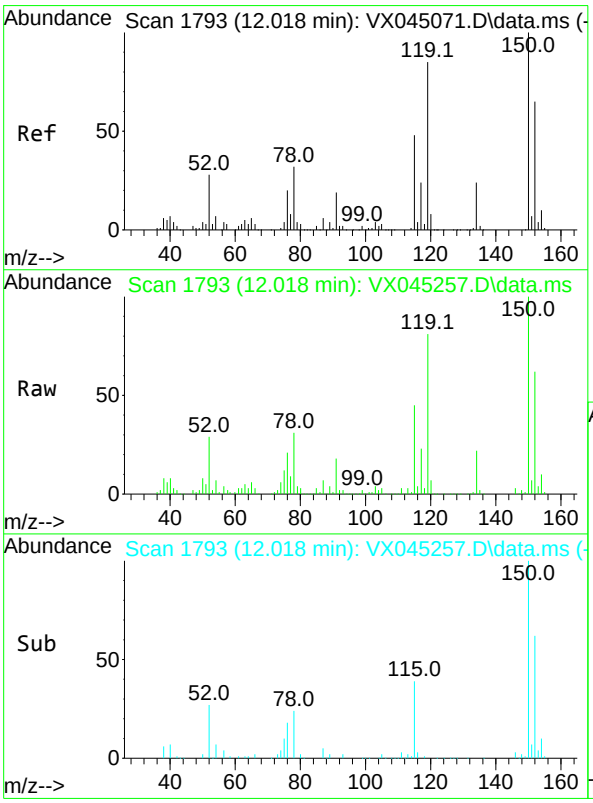
#71
Bromoform
Concen: 57.300 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 42683

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0

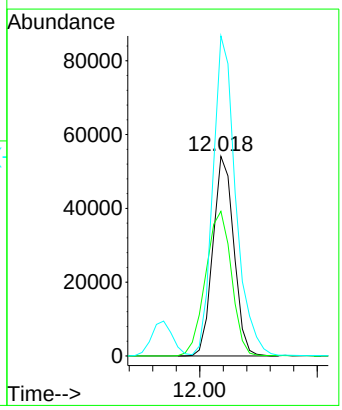


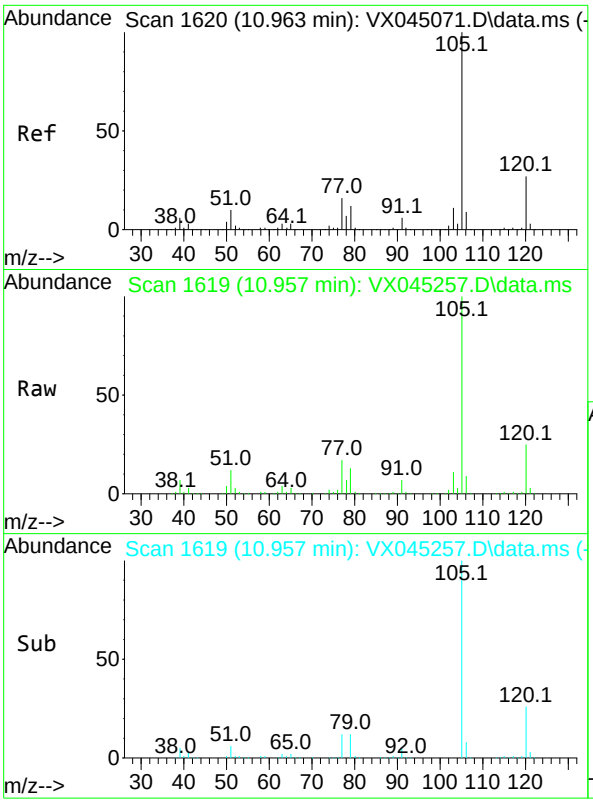


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:152 Resp: 66961

Ion	Ratio	Lower	Upper
152	100		
115	89.6	44.2	132.6
150	175.6	0.0	349.0



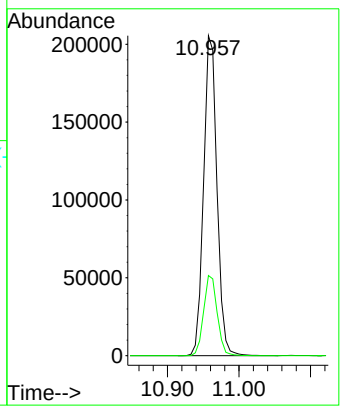


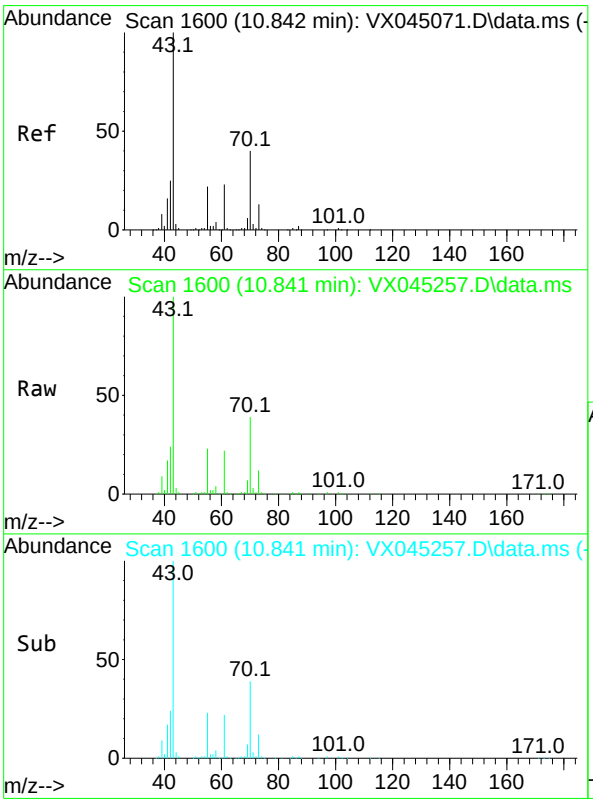
#73
Isopropylbenzene
Concen: 51.016 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 266634

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

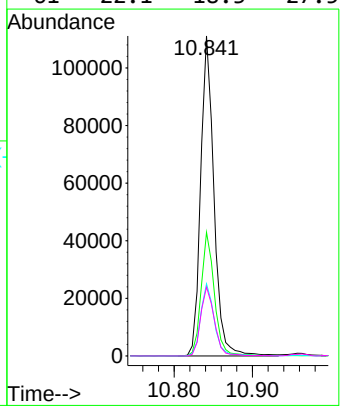


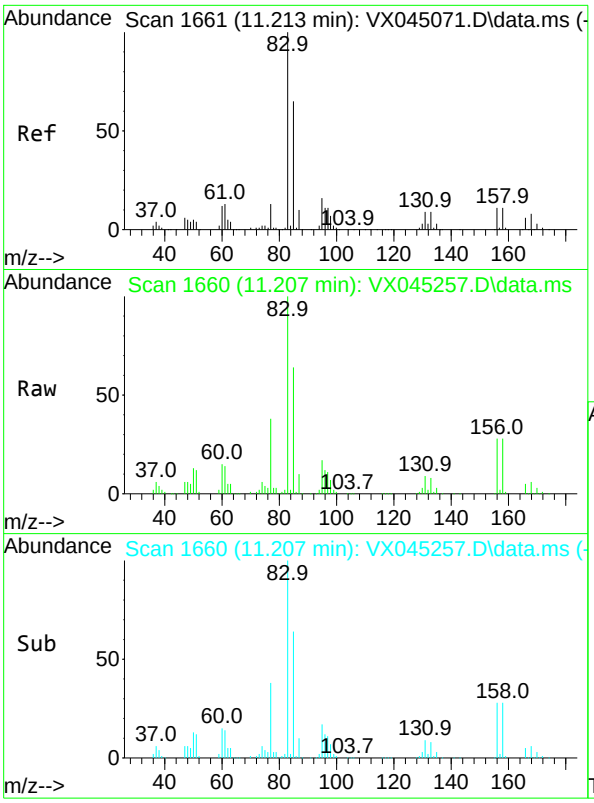


#74
N-amyl acetate
Concen: 53.493 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 43 Resp: 131189

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.2	18.3	27.5
61	22.1	18.3	27.5



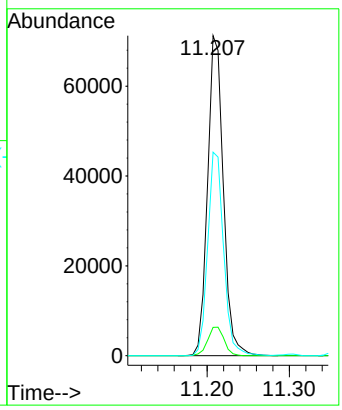


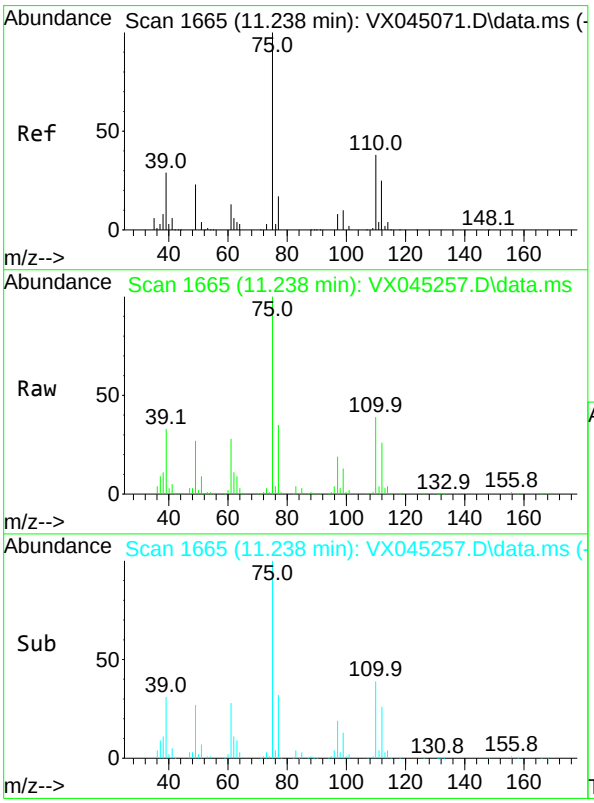
#75
1,1,2,2-Tetrachloroethane
Concen: 49.457 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94855

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.3	31.7	95.1

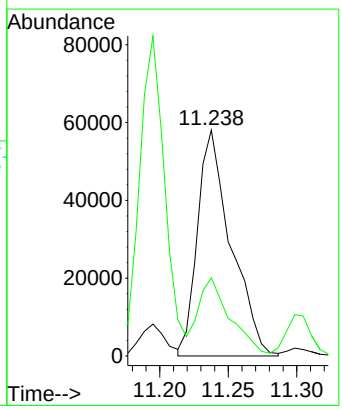


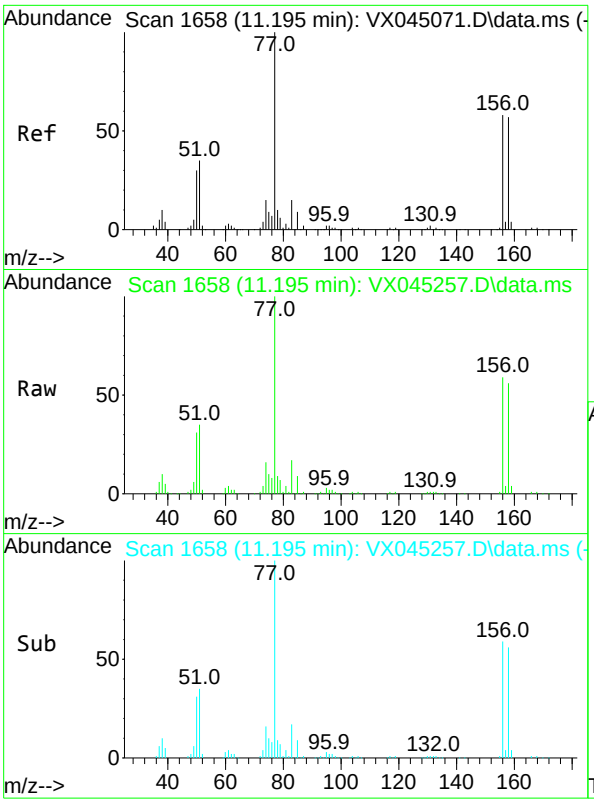


#76
1,2,3-Trichloropropane
Concen: 63.334 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 98708

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



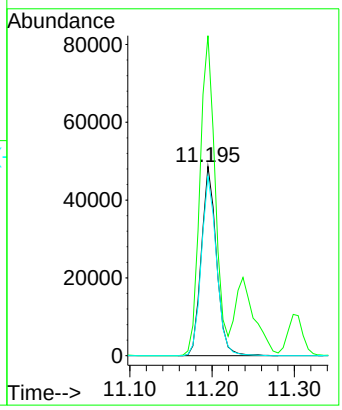


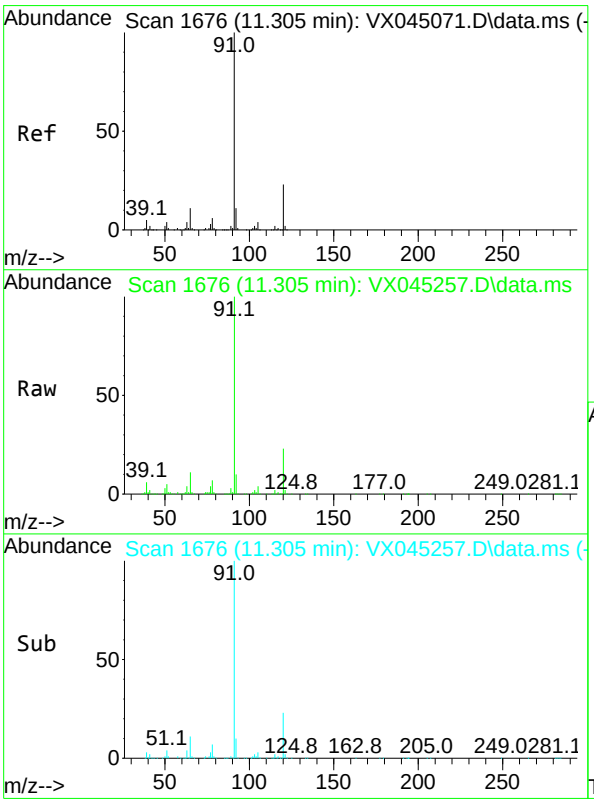
#77
Bromobenzene
Concen: 50.148 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 61840

Ion	Ratio	Lower	Upper
156	100		
77	171.4	85.8	257.4
158	95.7	48.4	145.2

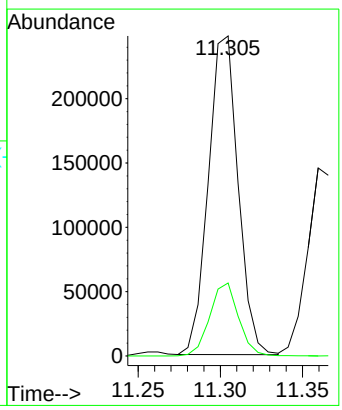


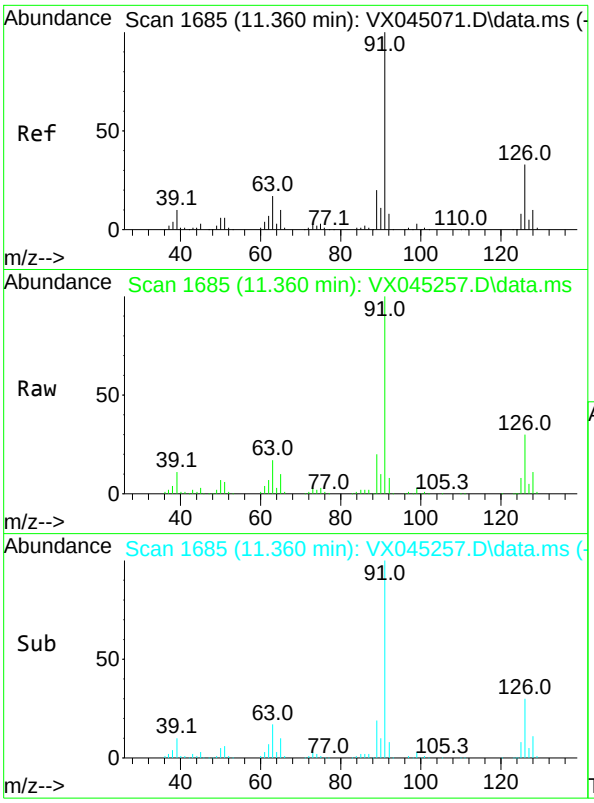


#78
n-propylbenzene
Concen: 52.876 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 91 Resp: 312182

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



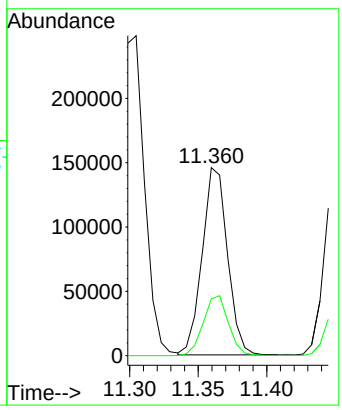


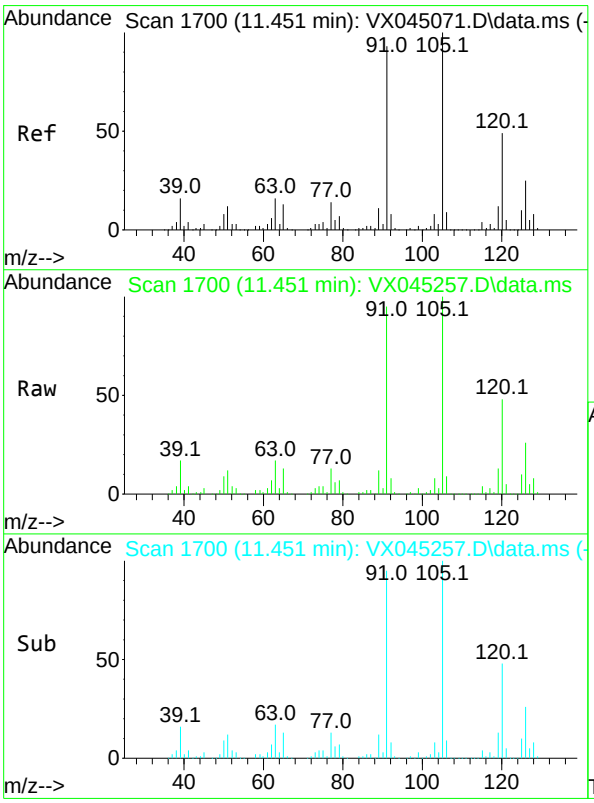
#79
2-Chlorotoluene
Concen: 49.681 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 186805

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

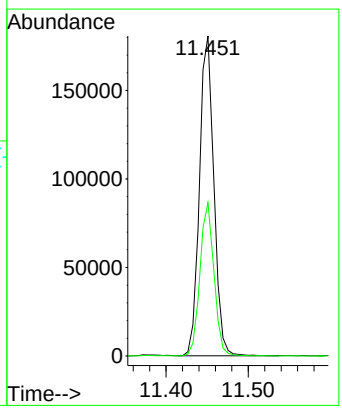


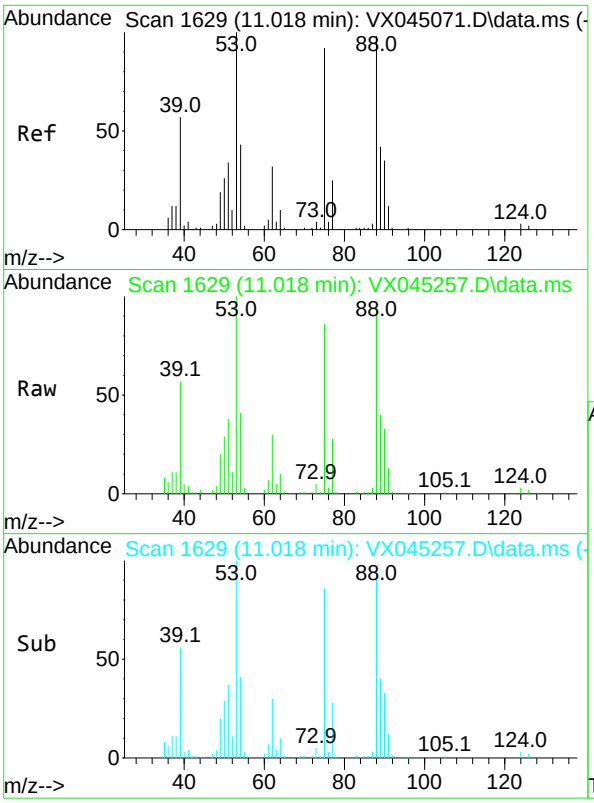


#80
1,3,5-Trimethylbenzene
Concen: 52.068 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:105 Resp: 220041

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2



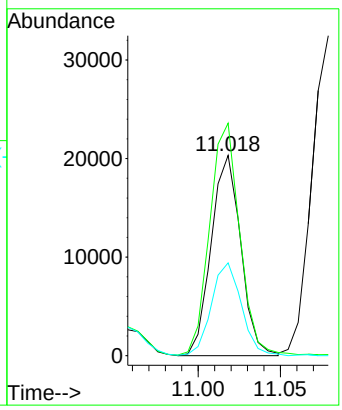


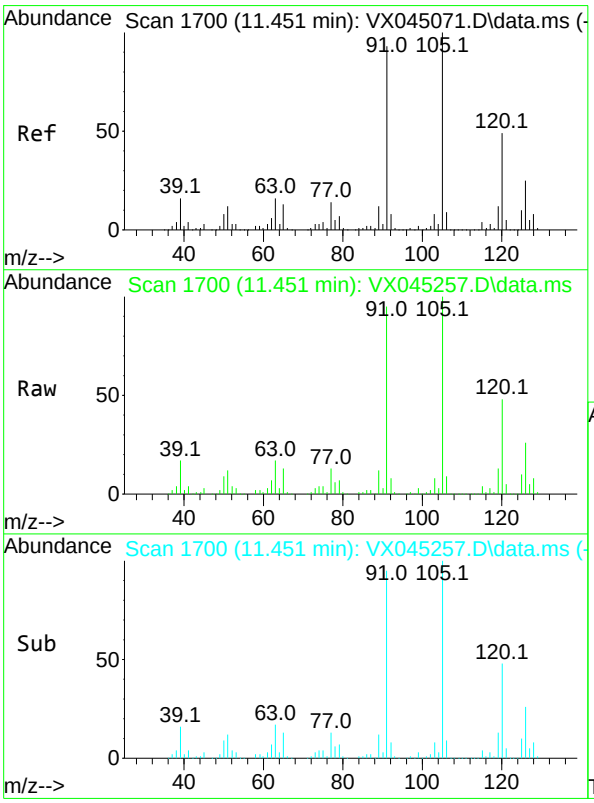
#81
trans-1,4-Dichloro-2-butene
Concen: 55.946 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 25479

Ion	Ratio	Lower	Upper
75	100		
53	118.3	88.5	132.7
89	46.2	36.2	54.4

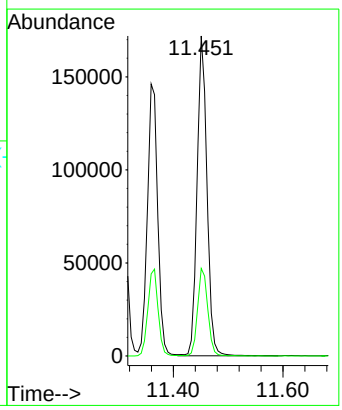


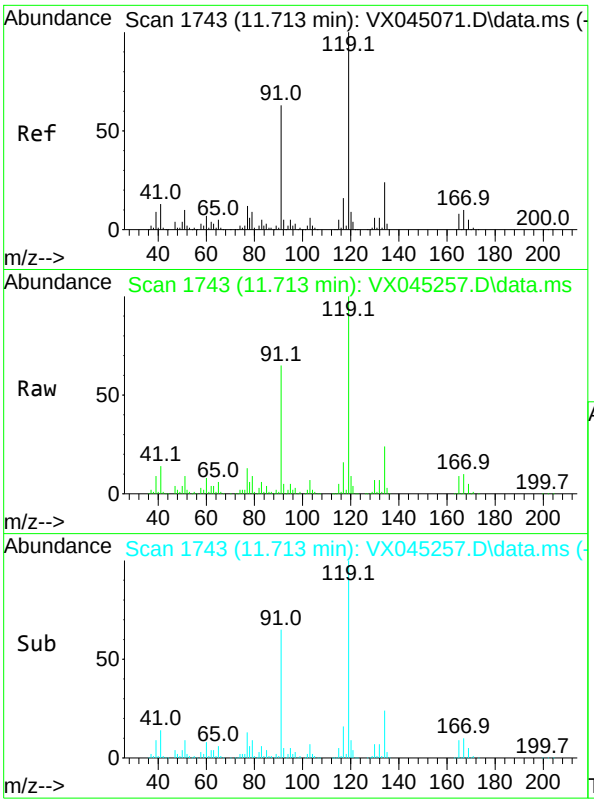


#82
4-Chlorotoluene
Concen: 52.770 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 91 Resp: 216250

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



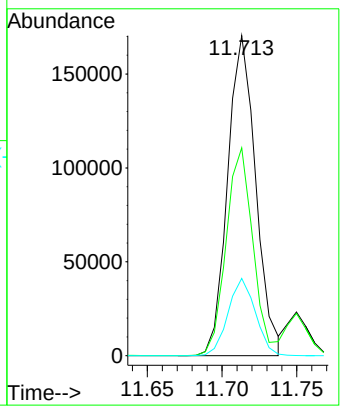


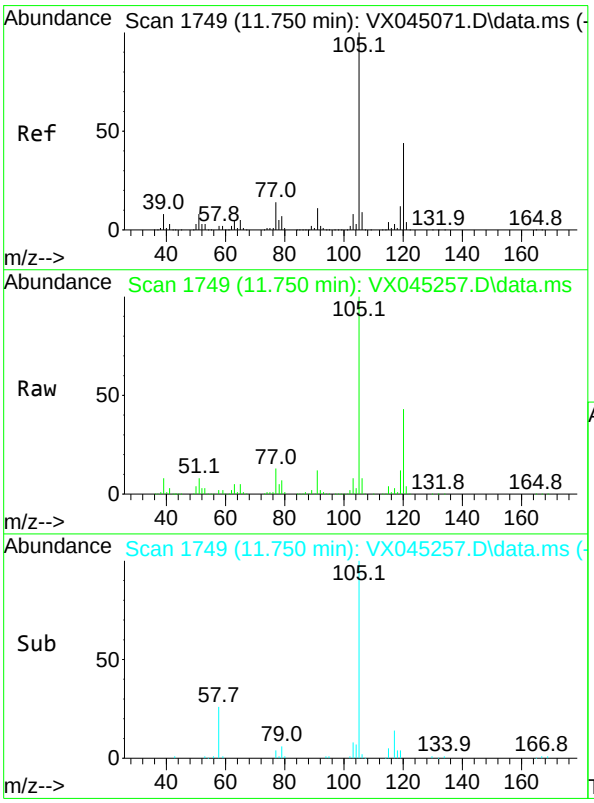
#83
tert-Butylbenzene
Concen: 51.318 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 222828

Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.7	92.1
134	23.5	11.7	35.0

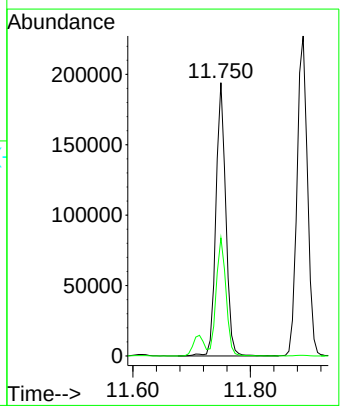


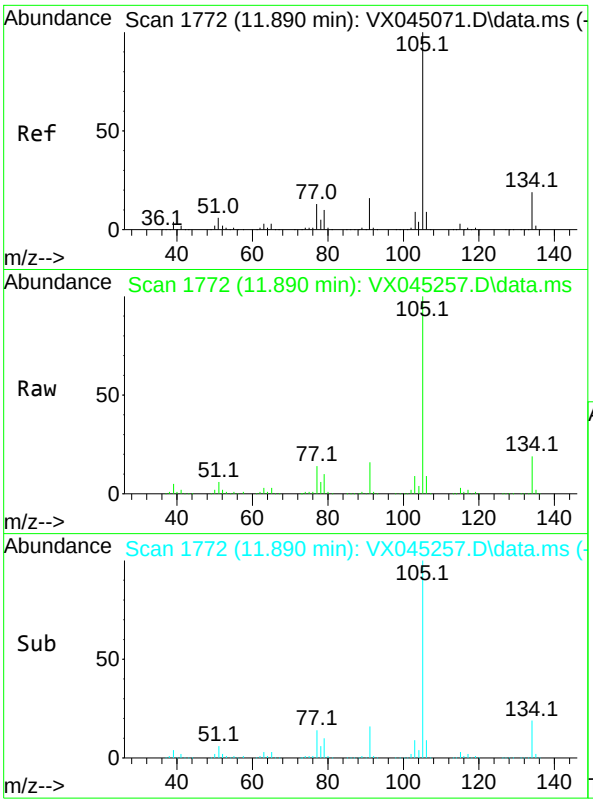


#84
1,2,4-Trimethylbenzene
Concen: 53.061 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:105 Resp: 225626

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1



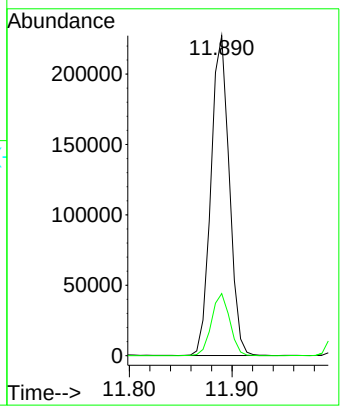


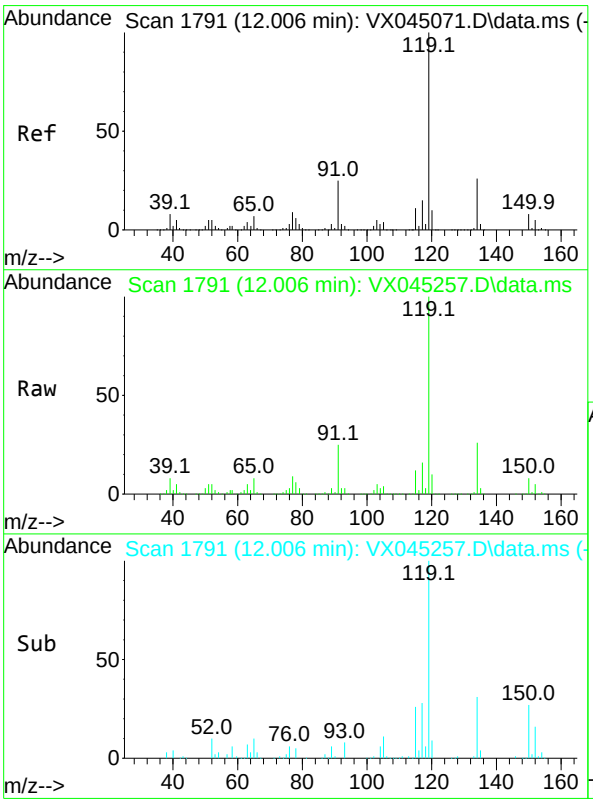
#85
sec-Butylbenzene
Concen: 53.936 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 280536

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

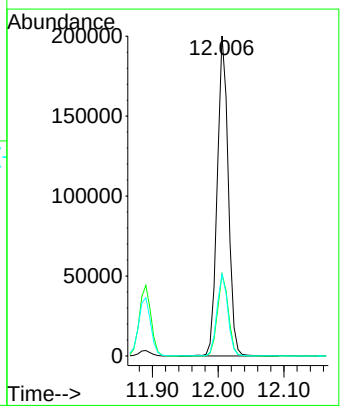


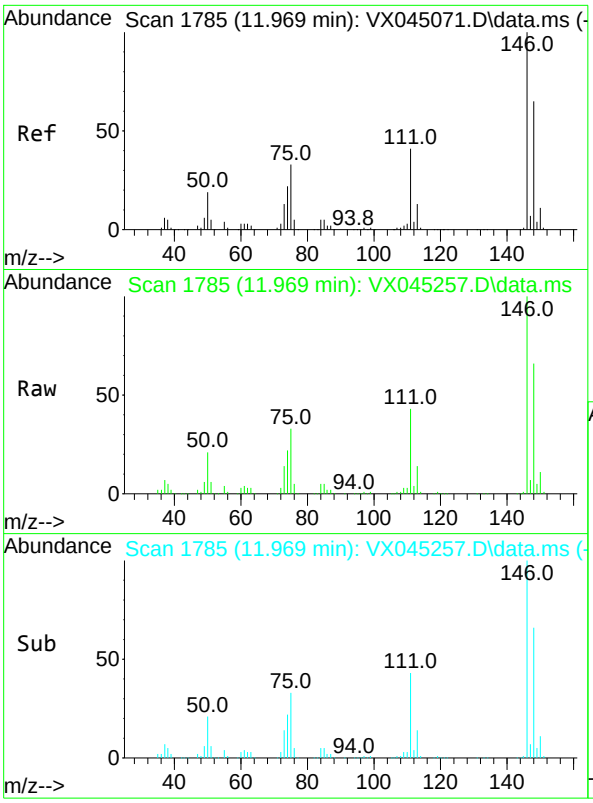


#86
p-Isopropyltoluene
Concen: 55.418 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:119 Resp: 232945

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	25.4	12.7	38.0



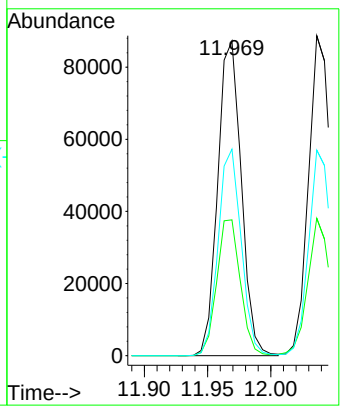


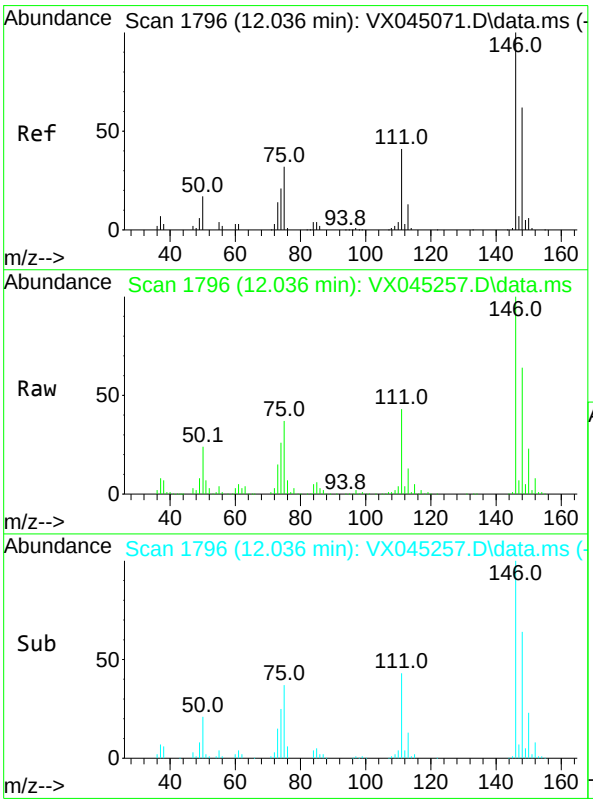
#87
1,3-Dichlorobenzene
Concen: 51.352 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112969

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	64.2	31.9	95.7

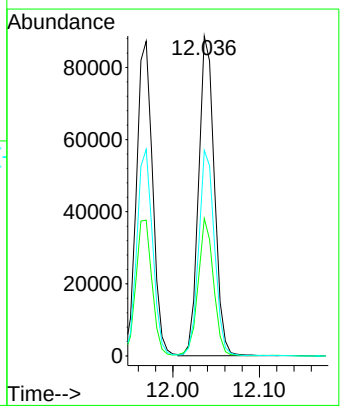


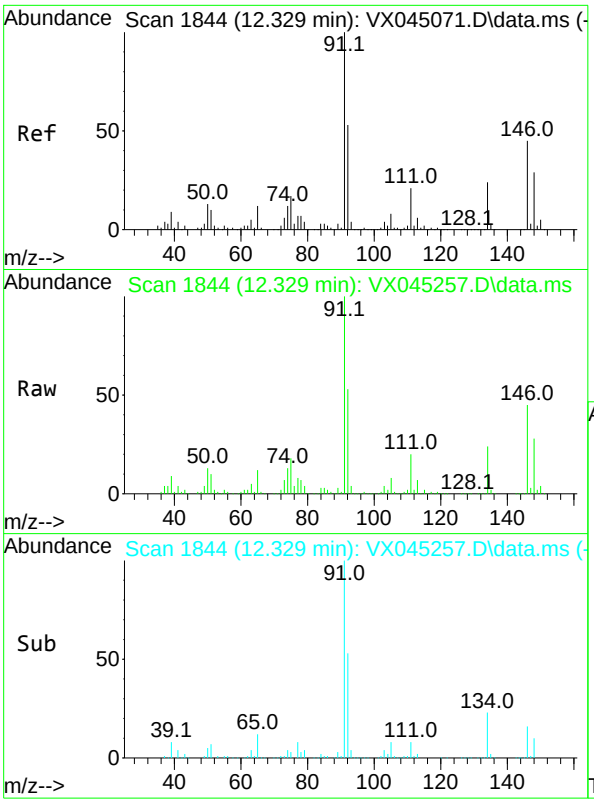


#88
1,4-Dichlorobenzene
Concen: 50.412 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:146 Resp: 112198

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	63.9	31.9	95.9



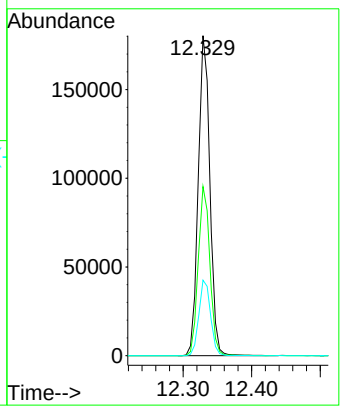


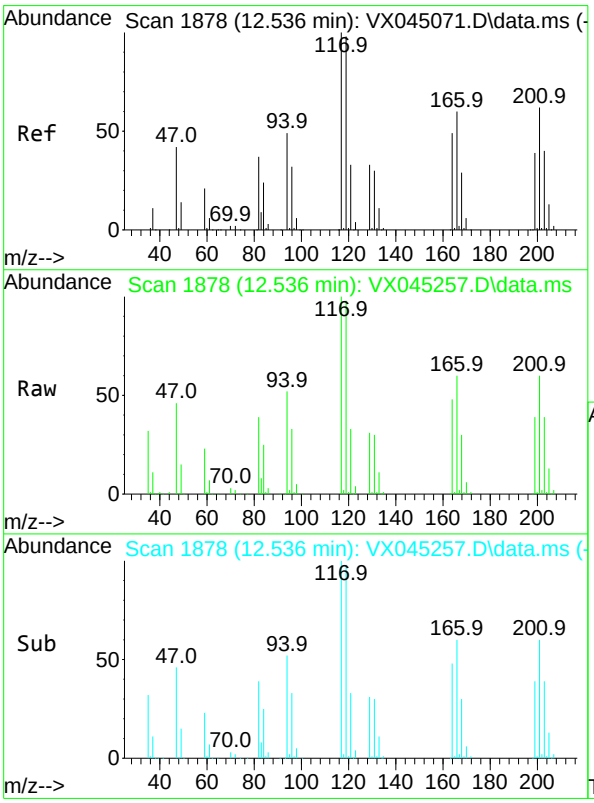
#89
n-Butylbenzene
Concen: 58.806 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 212893

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.8	12.2	36.6

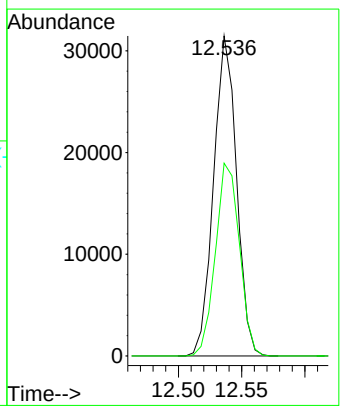


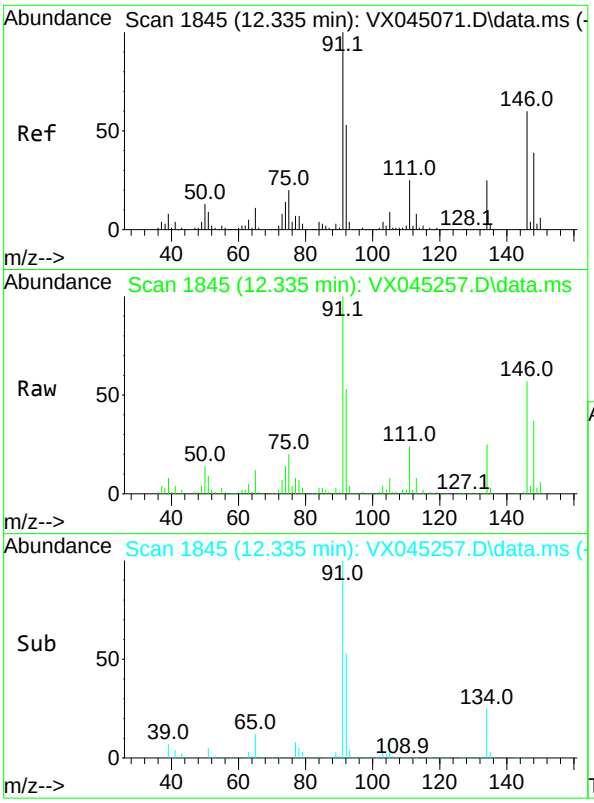


#90
Hexachloroethane
Concen: 52.134 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:117 Resp: 39637

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.9	95.9



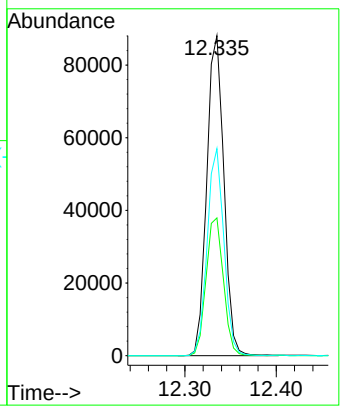


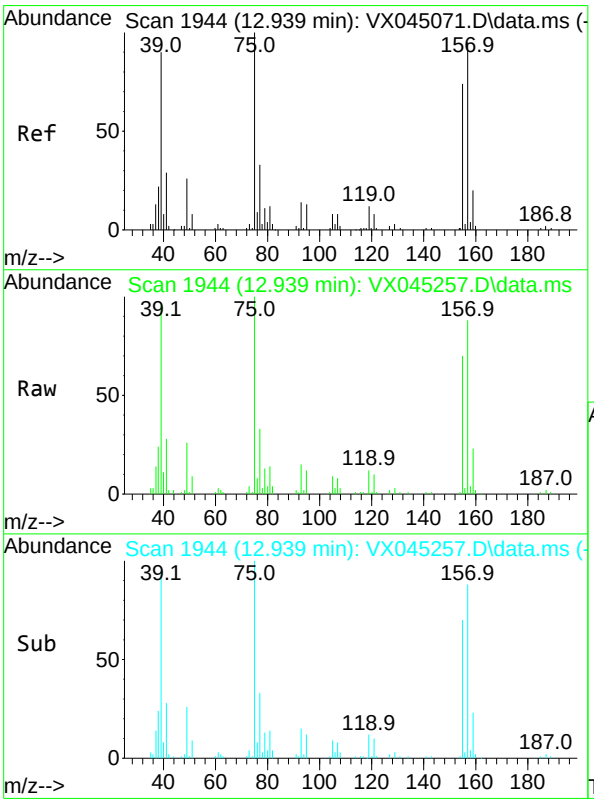
#91
1,2-Dichlorobenzene
Concen: 51.768 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 114241

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9

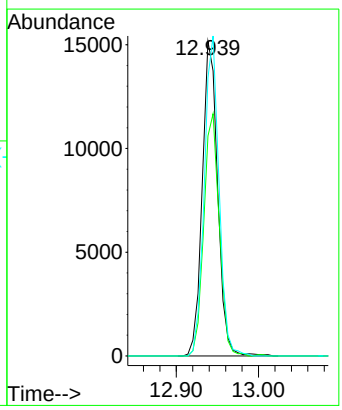


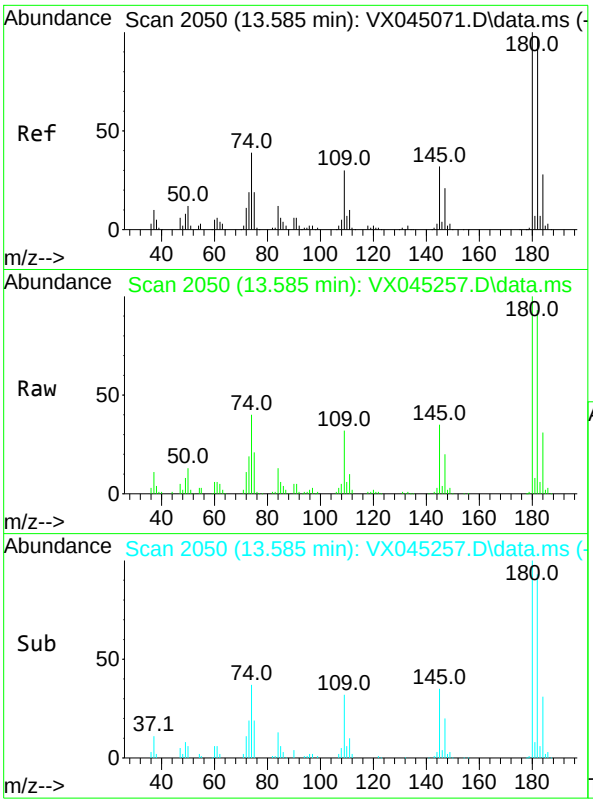


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.868 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion: 75 Resp: 19754

Ion	Ratio	Lower	Upper
75	100		
155	77.3	39.6	118.7
157	97.1	51.1	153.4



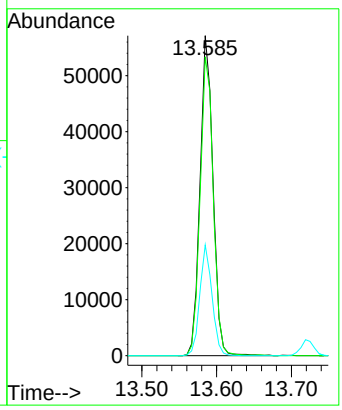


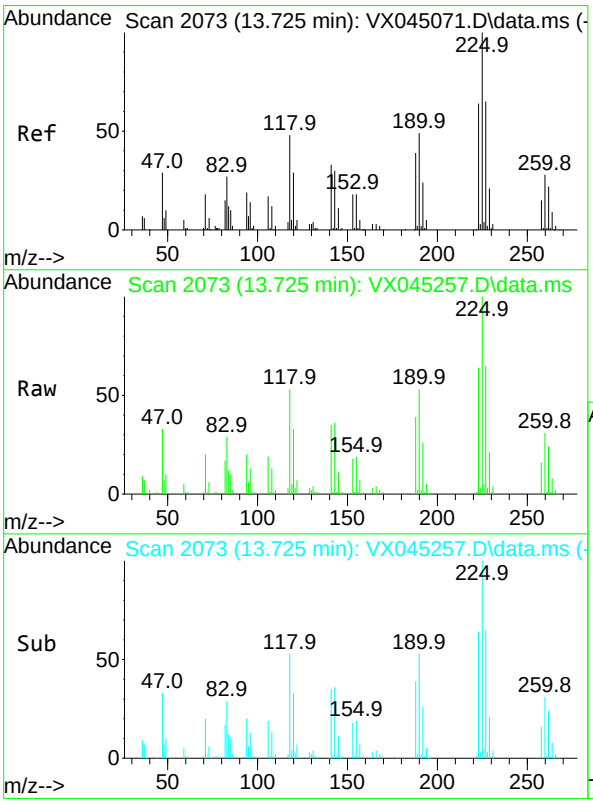
#93
1,2,4-Trichlorobenzene
Concen: 54.655 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 68677

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	32.8	16.3	48.9

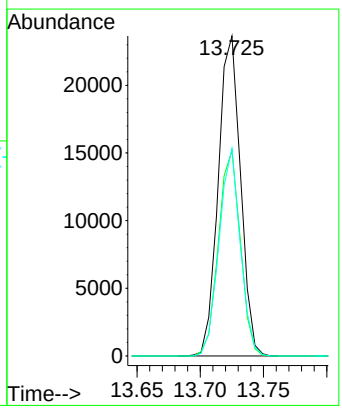


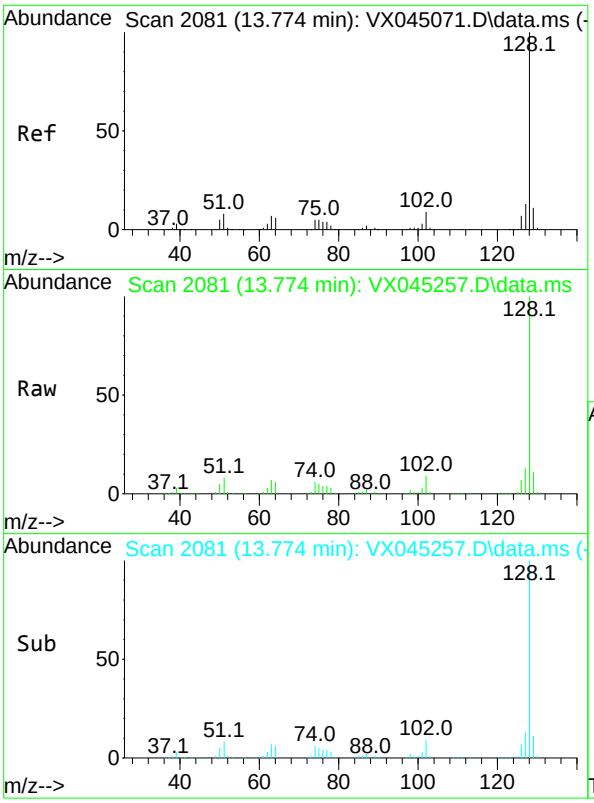


#94
Hexachlorobutadiene
Concen: 56.075 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:225 Resp: 28888

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	61.7	31.4	94.0



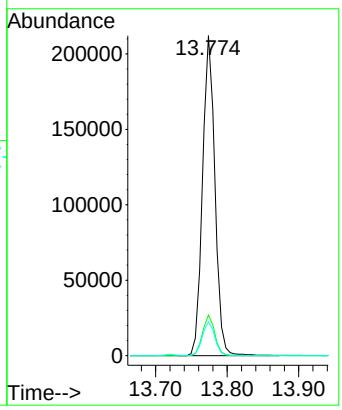


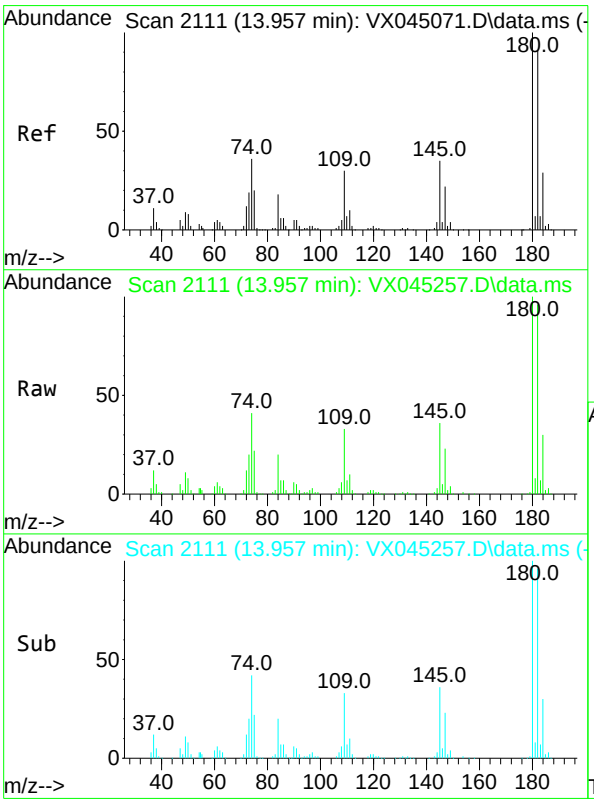
#95
Naphthalene
Concen: 53.019 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 255967

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

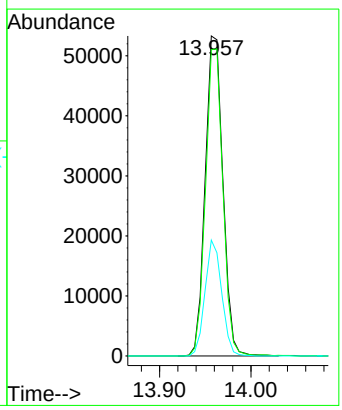




#96
1,2,3-Trichlorobenzene
Concen: 54.059 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045257.D
Acq: 13 Mar 2025 10:24

Tgt Ion:180 Resp: 71661

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	97410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82488	53.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.379	113	62822	53.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	8.646	98	219736	51.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	76284	54.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21635	17.645	ug/l	99
3) Chloromethane	1.306	50	25100	16.727	ug/l	95
4) Vinyl Chloride	1.373	62	24105	16.193	ug/l	94
5) Bromomethane	1.593	94	10669	18.232	ug/l	95
6) Chloroethane	1.666	64	13625	19.844	ug/l	95
7) Trichlorofluoromethane	1.873	101	35774	18.154	ug/l	99
8) Diethyl Ether	2.129	74	12929	16.774	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	22467	19.845	ug/l	98
10) Methyl Iodide	2.440	142	26042	18.406	ug/l	96
11) Tert butyl alcohol	2.977	59	22163	75.515	ug/l	97
12) 1,1-Dichloroethene	2.312	96	21354	17.840	ug/l	100
13) Acrolein	2.233	56	20426	60.206	ug/l	99
14) Allyl chloride	2.660	41	41286	19.377	ug/l	99
15) Acrylonitrile	3.062	53	75169	95.563	ug/l	100
16) Acetone	2.385	43	70410	97.942	ug/l	100
17) Carbon Disulfide	2.501	76	47976	15.049	ug/l	97
18) Methyl Acetate	2.702	43	37996	21.970	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	74396	18.526	ug/l	99
20) Methylene Chloride	2.782	84	26180	18.384	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	21431	18.123	ug/l	96
22) Diisopropyl ether	3.757	45	83408	19.249	ug/l #	81
23) Vinyl Acetate	3.721	43	338596	93.636	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45359	18.678	ug/l	99
25) 2-Butanone	4.562	43	106239	98.177	ug/l	98
26) 2,2-Dichloropropane	4.470	77	29896	26.246	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27400	18.770	ug/l	96
28) Bromochloromethane	4.897	49	24655	21.300	ug/l	98
29) Tetrahydrofuran	5.007	42	66201	91.099	ug/l	100
30) Chloroform	5.086	83	46538	19.287	ug/l	99
31) Cyclohexane	5.458	56	38761	18.387	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	36612	18.786	ug/l	98
36) 1,1-Dichloropropene	5.690	75	30345	18.967	ug/l	100
37) Ethyl Acetate	4.720	43	38116	18.489	ug/l	99
38) Carbon Tetrachloride	5.671	117	30420	18.728	ug/l	98
39) Methylcyclohexane	7.378	83	37053	19.328	ug/l	96
40) Benzene	6.031	78	94123	18.630	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21833	19.586	ug/l		96
42) 1,2-Dichloroethane	6.086	62	36032	19.806	ug/l		99
43) Isopropyl Acetate	6.342	43	58378	19.150	ug/l		99
44) Trichloroethene	7.122	130	22034	18.574	ug/l		93
45) 1,2-Dichloropropane	7.427	63	25053	19.287	ug/l		98
46) Dibromomethane	7.580	93	17928	19.527	ug/l		98
47) Bromodichloromethane	7.817	83	35544	19.737	ug/l		98
48) Methyl methacrylate	7.695	41	29753	19.454	ug/l		96
49) 1,4-Dioxane	7.665	88	10526	326.274	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	205355	100.325	ug/l		99
52) Toluene	8.714	92	58253	19.652	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29128	19.347	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	33982	19.356	ug/l		93
55) 1,1,2-Trichloroethane	9.152	97	23865	19.557	ug/l		98
56) Ethyl methacrylate	9.116	69	36370	19.607	ug/l		98
57) 1,3-Dichloropropane	9.305	76	41395	19.602	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	86829	95.960	ug/l		99
59) 2-Hexanone	9.427	43	147804	99.661	ug/l		99
60) Dibromochloromethane	9.518	129	24674	19.338	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23735	19.483	ug/l		98
64) Tetrachloroethene	9.268	164	19047	19.342	ug/l		95
65) Chlorobenzene	10.079	112	62379	19.173	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20344	18.776	ug/l		98
67) Ethyl Benzene	10.189	91	108318	19.107	ug/l		99
68) m/p-Xylenes	10.299	106	81139	39.097	ug/l		97
69) o-Xylene	10.640	106	39791	19.011	ug/l		96
70) Styrene	10.652	104	67344	19.885	ug/l		99
71) Bromoform	10.799	173	14973	18.326	ug/l	#	99
73) Isopropylbenzene	10.963	105	106368	19.989	ug/l		98
74) N-amyl acetate	10.841	43	46854	18.765	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37599	19.255	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	37277	23.492	ug/l		88
77) Bromobenzene	11.195	156	24033	19.142	ug/l		99
78) n-propylbenzene	11.305	91	120022	19.967	ug/l		100
79) 2-Chlorotoluene	11.359	91	75127	19.625	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	86221	20.039	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8442	18.207	ug/l		86
82) 4-Chlorotoluene	11.451	91	82758	19.835	ug/l		99
83) tert-Butylbenzene	11.713	119	85652	19.375	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	86535	19.988	ug/l		100
85) sec-Butylbenzene	11.890	105	108147	20.422	ug/l		98
86) p-Isopropyltoluene	12.006	119	86107	20.120	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42798	19.108	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	42258	18.649	ug/l		97
89) n-Butylbenzene	12.329	91	74631	20.248	ug/l		99
90) Hexachloroethane	12.536	117	14411	18.617	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42544	18.935	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6994	18.385	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	22724	17.762	ug/l		99
94) Hexachlorobutadiene	13.725	225	10078	19.214	ug/l		97
95) Naphthalene	13.774	128	87220	17.744	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24211	17.939	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

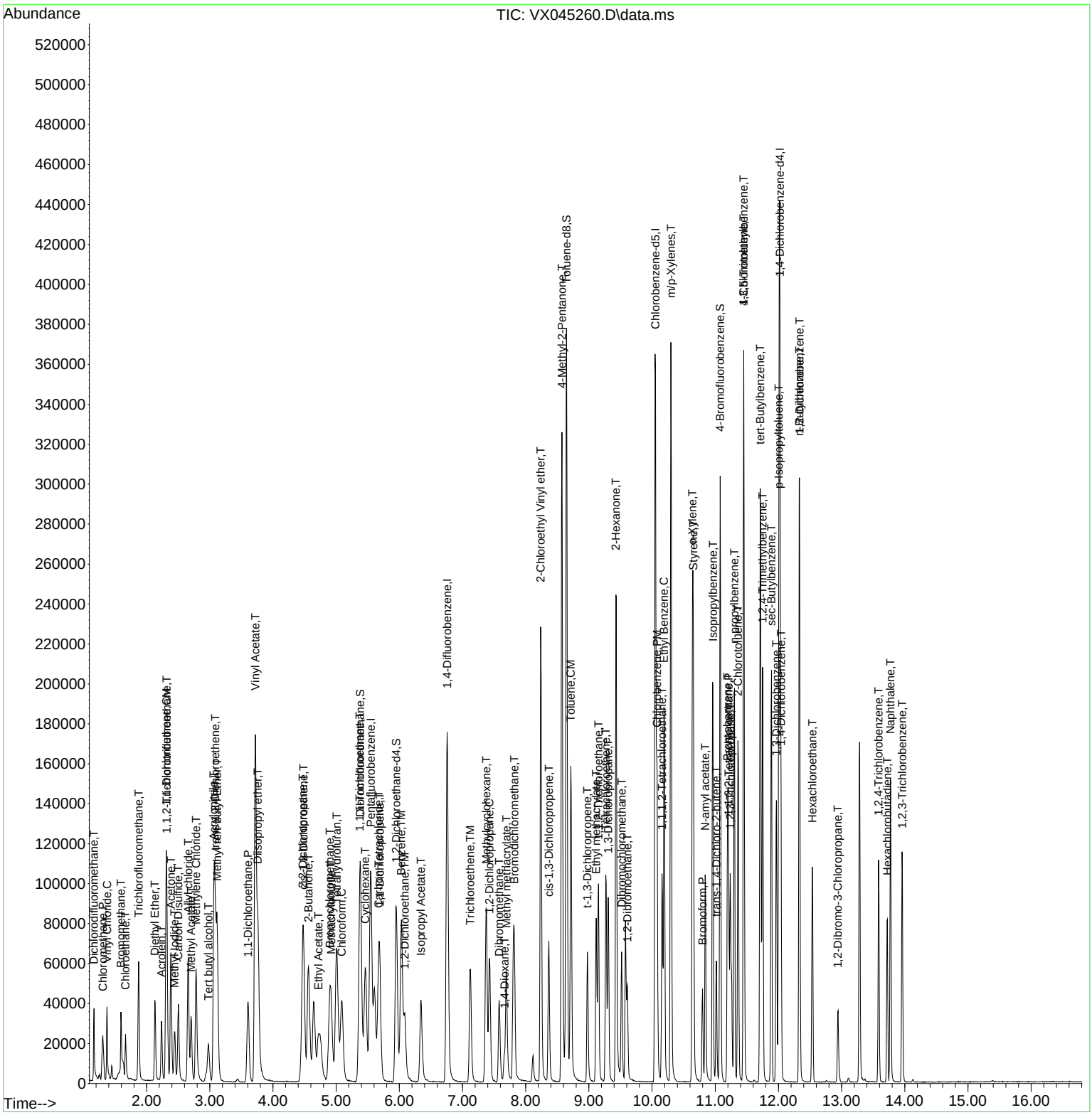
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

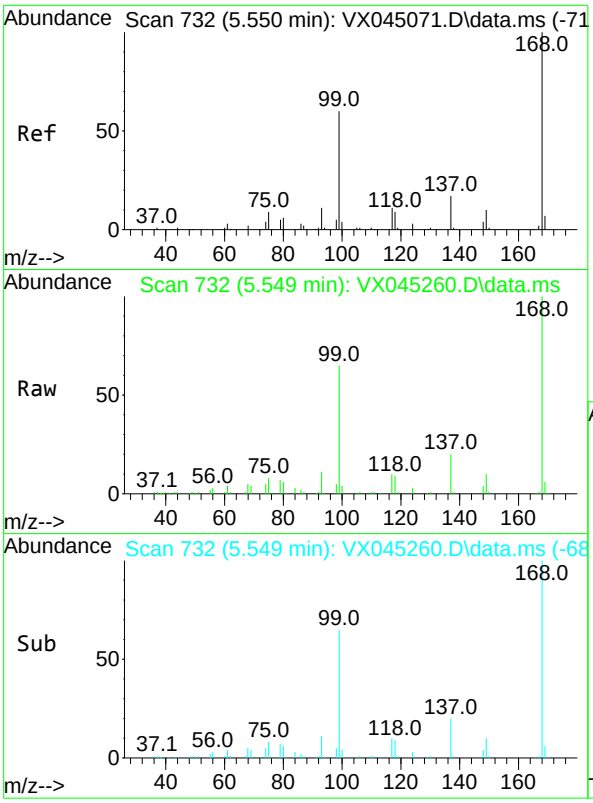
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



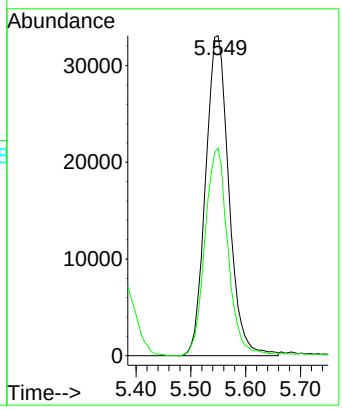


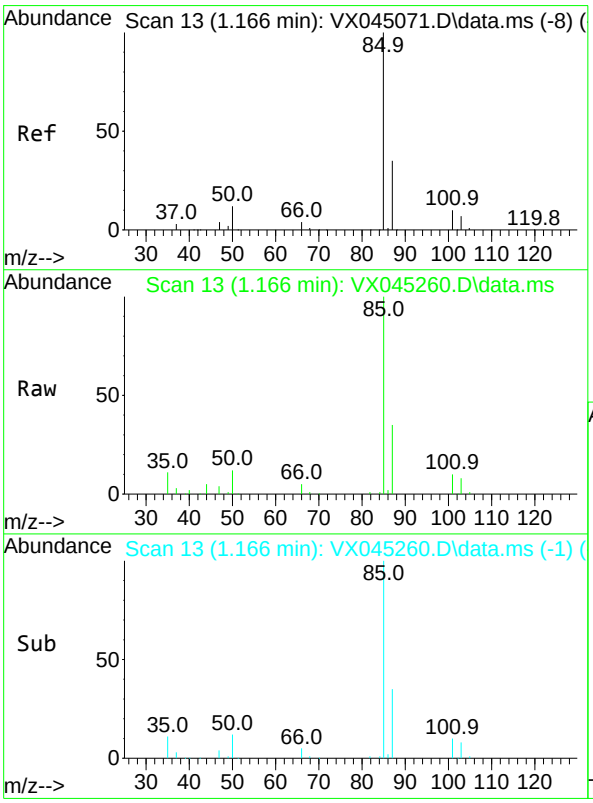
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:168 Resp: 97410

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

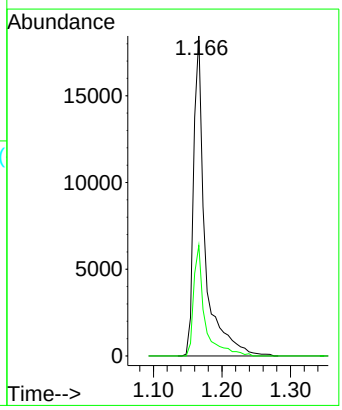


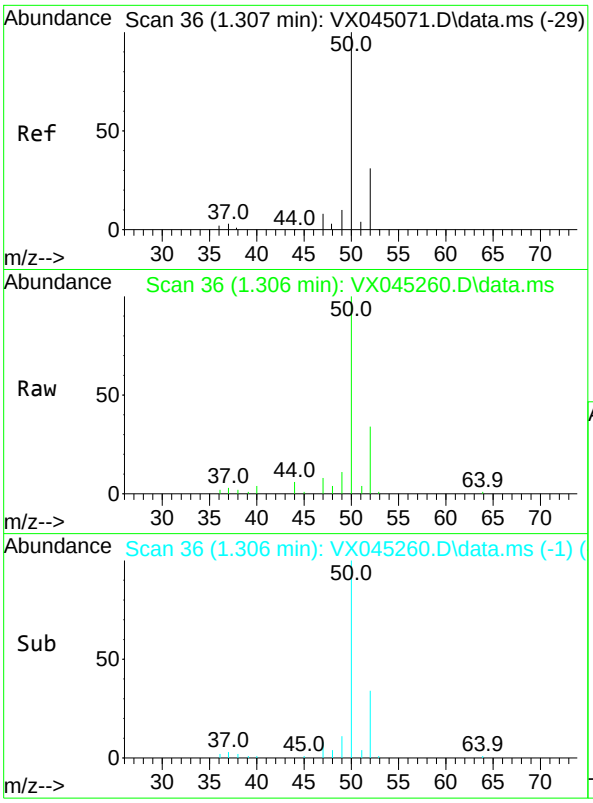


#2
Dichlorodifluoromethane
Concen: 17.645 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 85 Resp: 21635

Ion	Ratio	Lower	Upper
85	100		
87	34.5	17.4	52.3



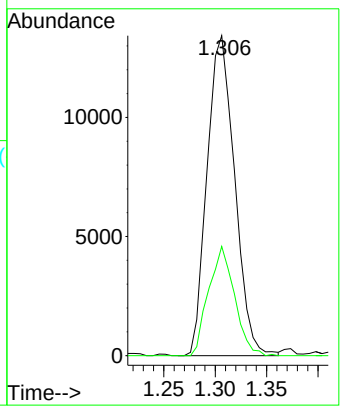


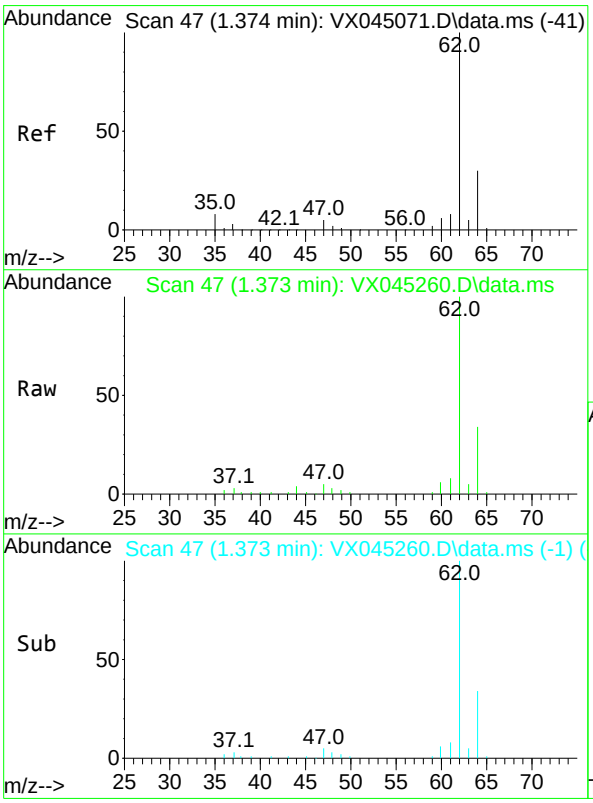
#3
Chloromethane
Concen: 16.727 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 50 Resp: 25100

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4

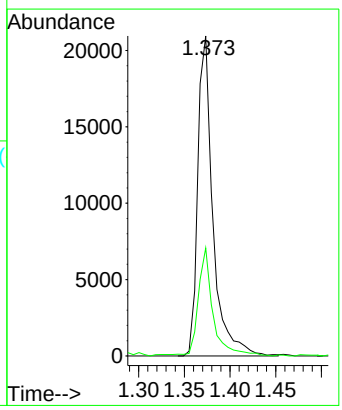


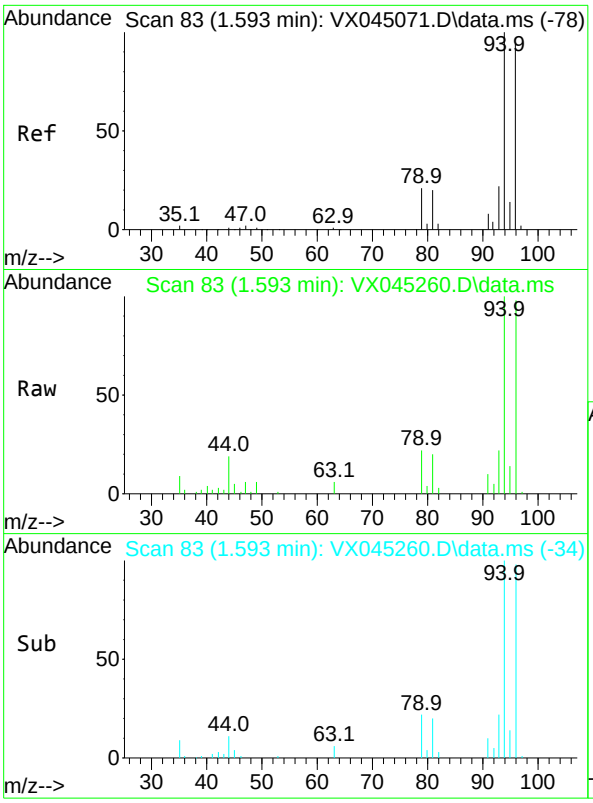


#4
Vinyl Chloride
Concen: 16.193 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 62 Resp: 24105

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5



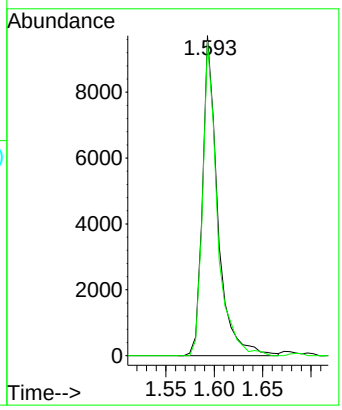


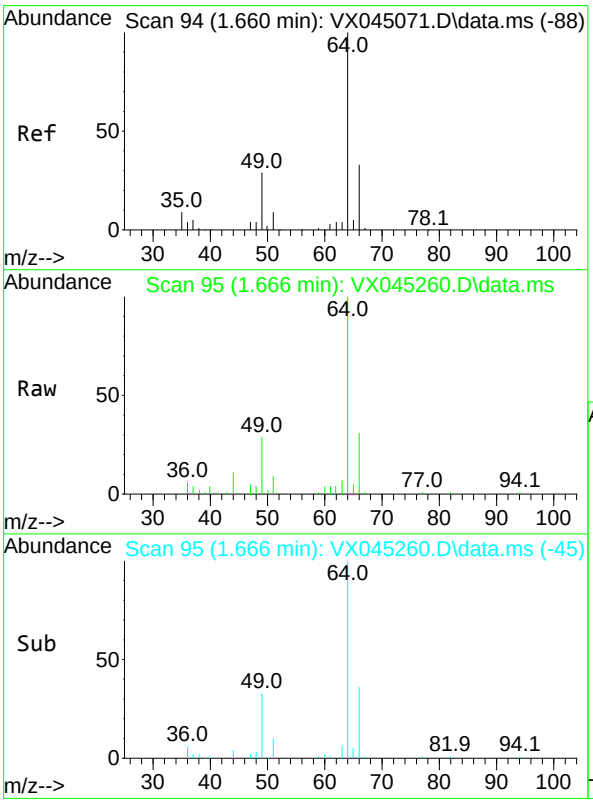
#5
Bromomethane
Concen: 18.232 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 94 Resp: 10669

Ion	Ratio	Lower	Upper
94	100		
96	98.3	75.0	112.4

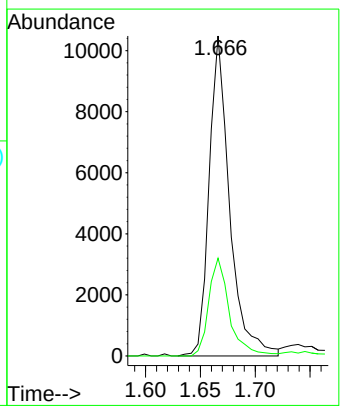


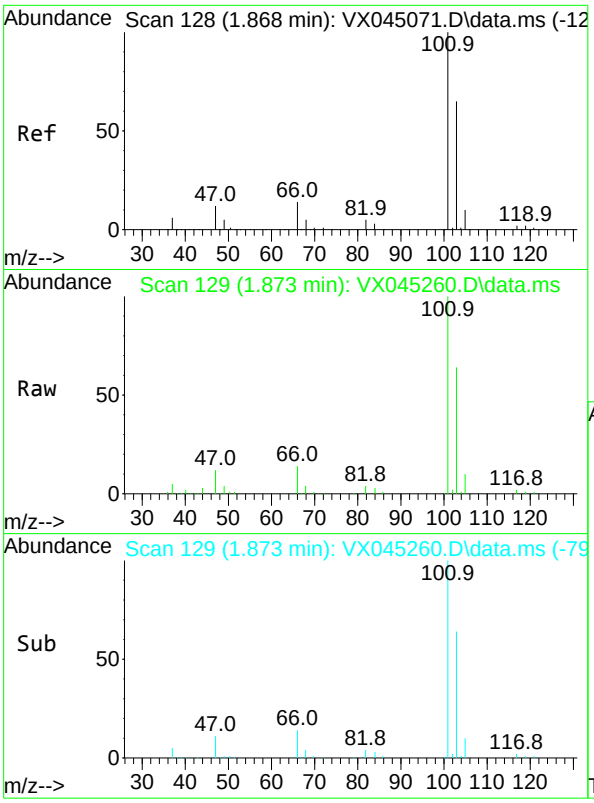


#6
Chloroethane
Concen: 19.844 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 64 Resp: 13625

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.7	40.1



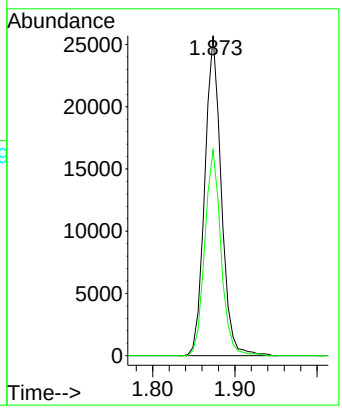


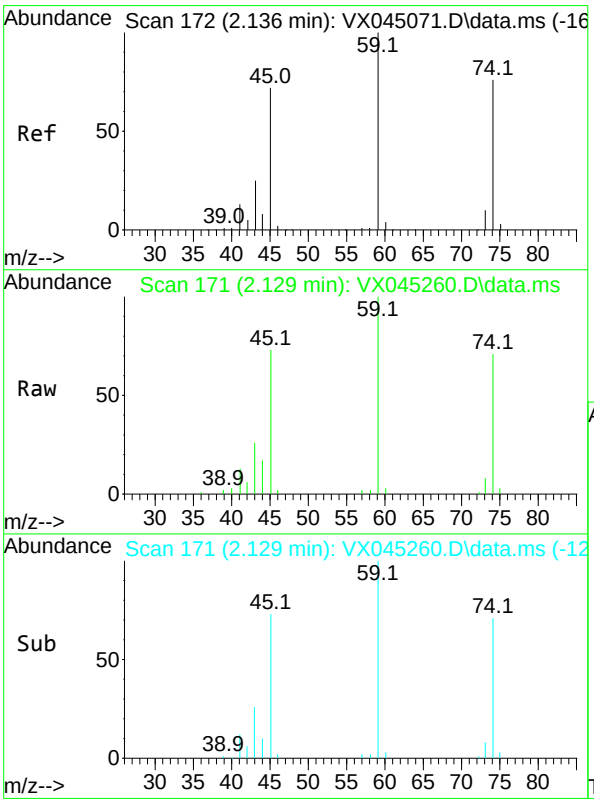
#7
Trichlorofluoromethane
Concen: 18.154 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:101 Resp: 35774

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

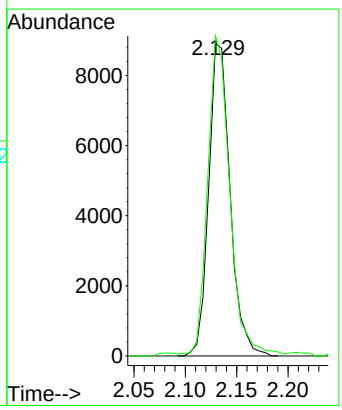


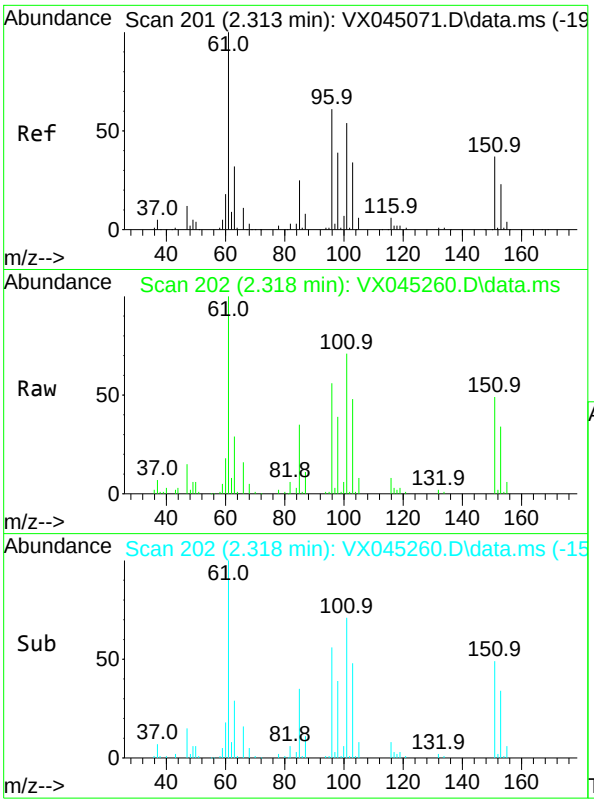


#8
Diethyl Ether
Concen: 16.774 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 74 Resp: 12929

Ion	Ratio	Lower	Upper
74	100		
45	102.8	51.5	154.5



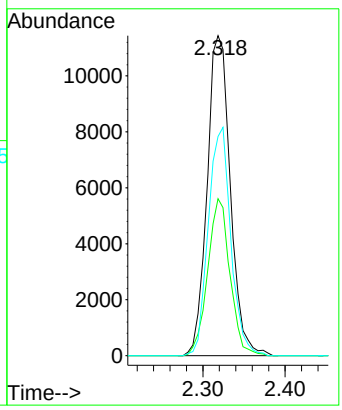


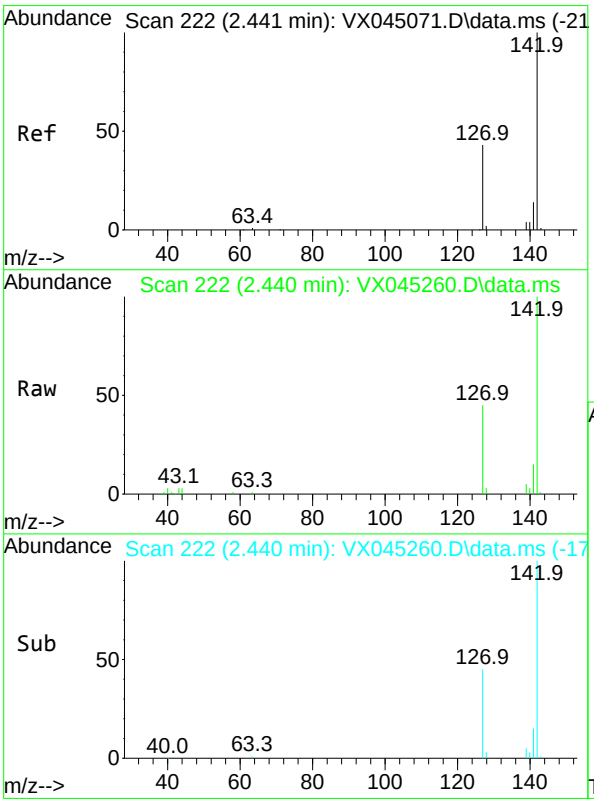
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.845 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:101 Resp: 22467

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	69.3	56.4	84.6

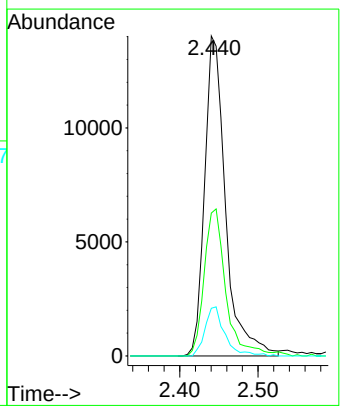


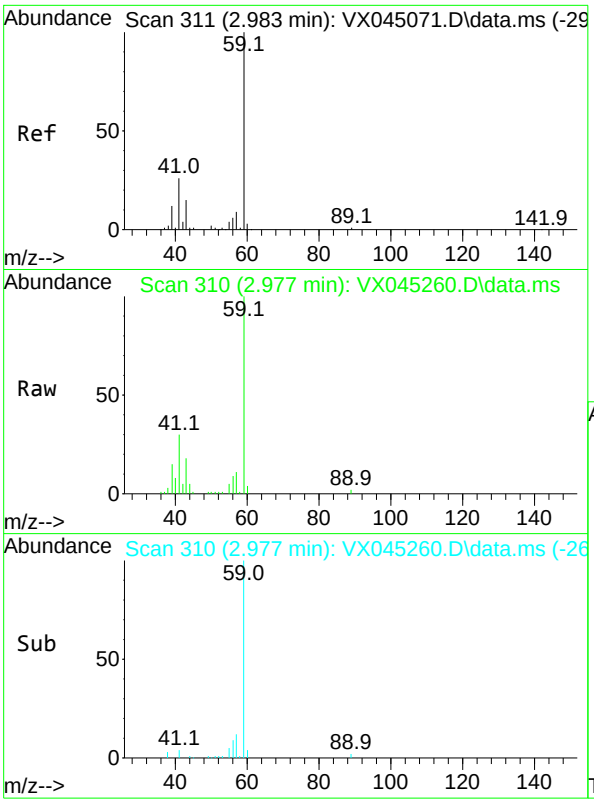


#10
Methyl Iodide
Concen: 18.406 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:142 Resp: 26042

Ion	Ratio	Lower	Upper
142	100		
127	47.9	35.4	53.2
141	14.6	11.6	17.4



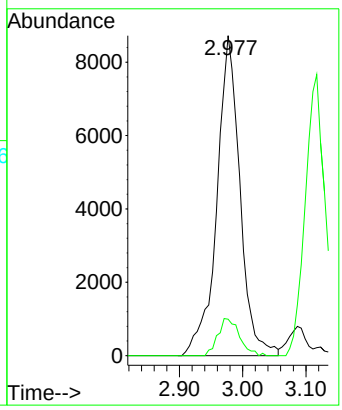


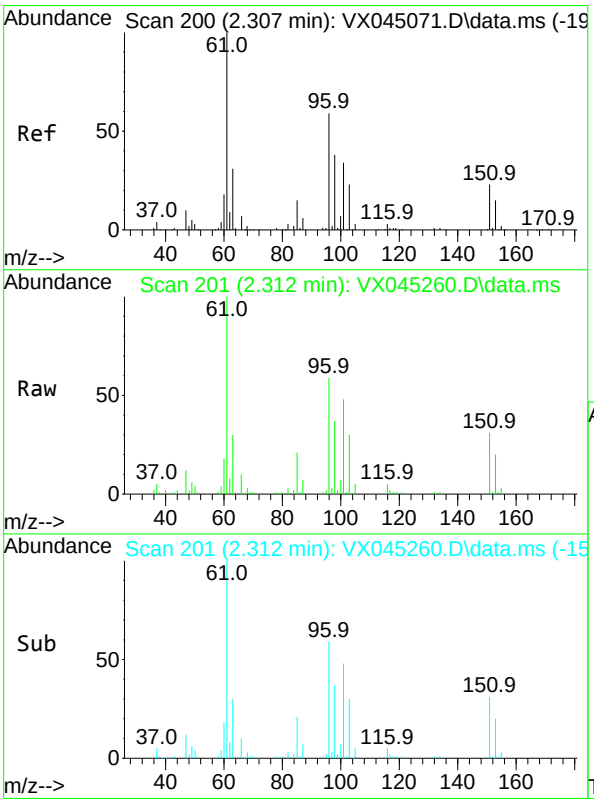
#11
Tert butyl alcohol
Concen: 75.515 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 59 Resp: 22163

Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8

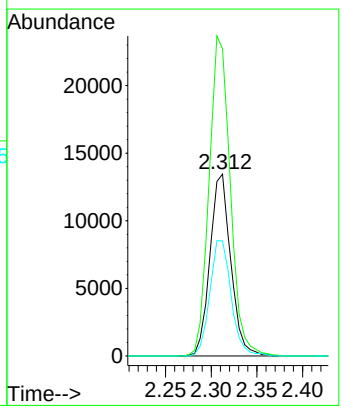


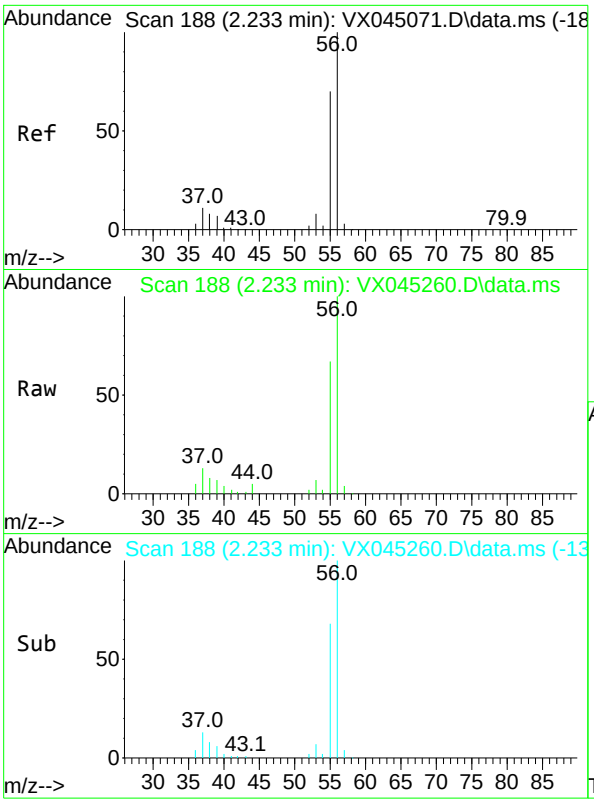


#12
1,1-Dichloroethene
Concen: 17.840 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 96 Resp: 21354

Ion	Ratio	Lower	Upper
96	100		
61	168.9	134.6	202.0
98	63.3	51.0	76.6



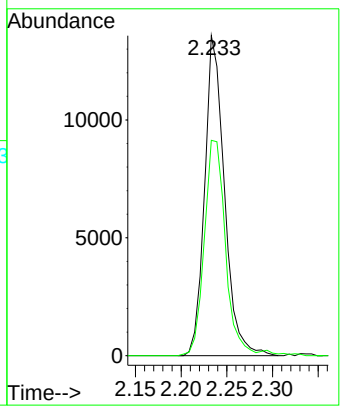


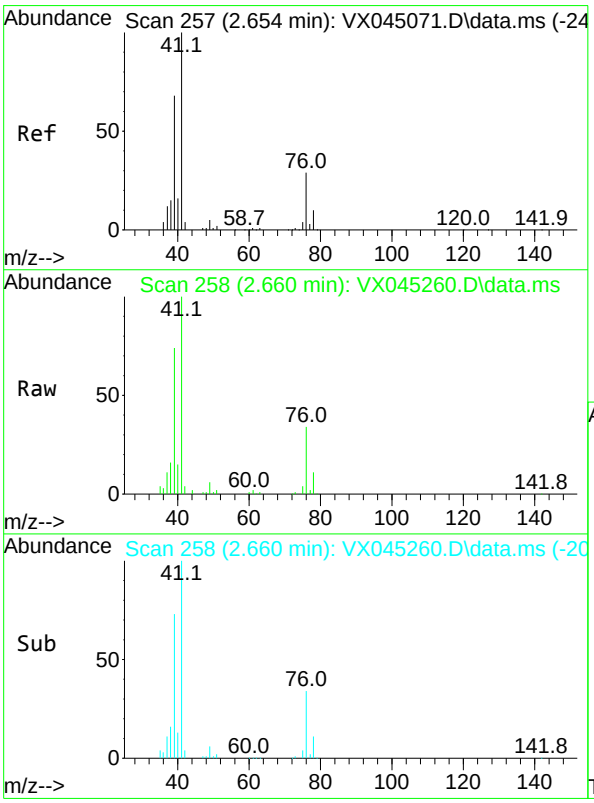
#13
Acrolein
Concen: 60.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 56 Resp: 20426

Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.2	84.4

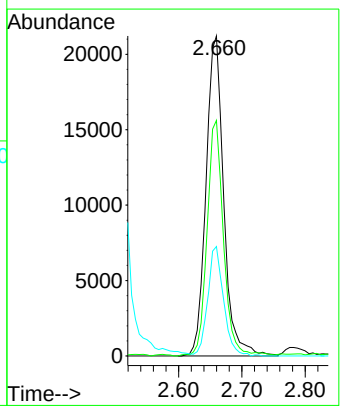


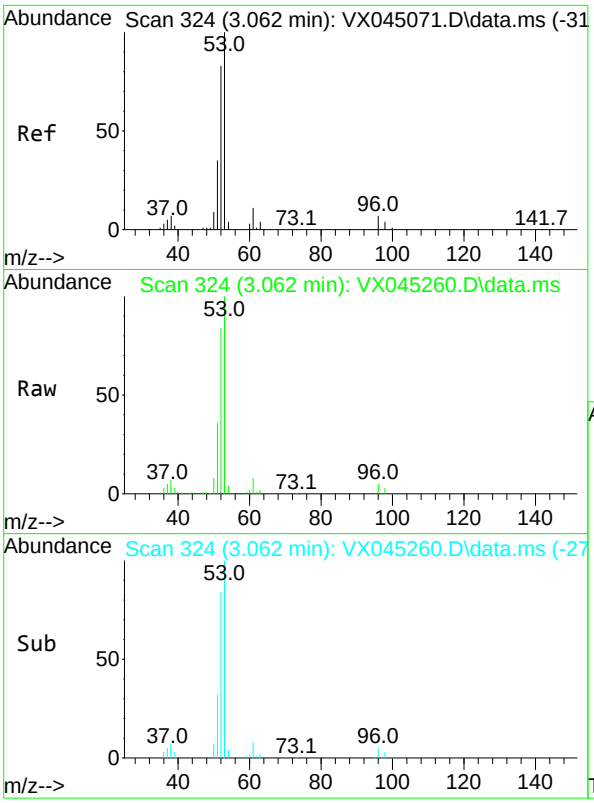


#14
Allyl chloride
Concen: 19.377 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 41 Resp: 41286

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	30.6	25.2	37.8



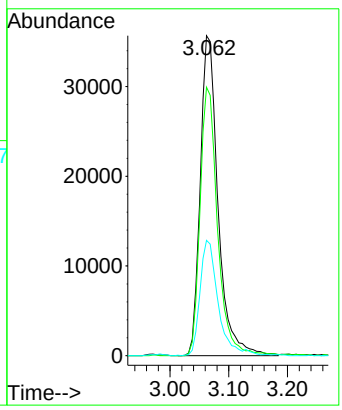


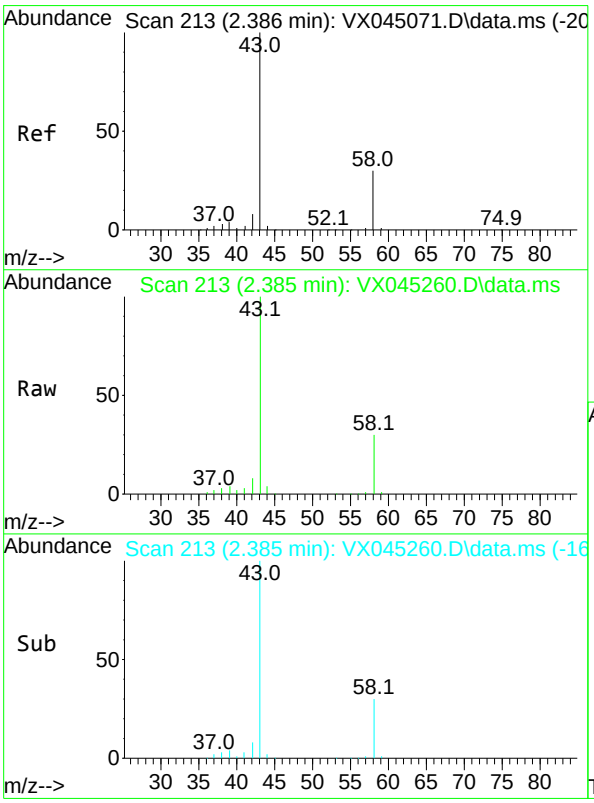
#15
Acrylonitrile
Concen: 95.563 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 53 Resp: 75169

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.1	29.0	43.4

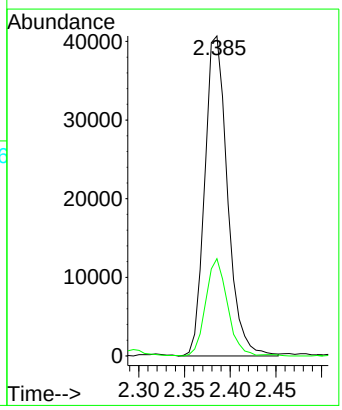


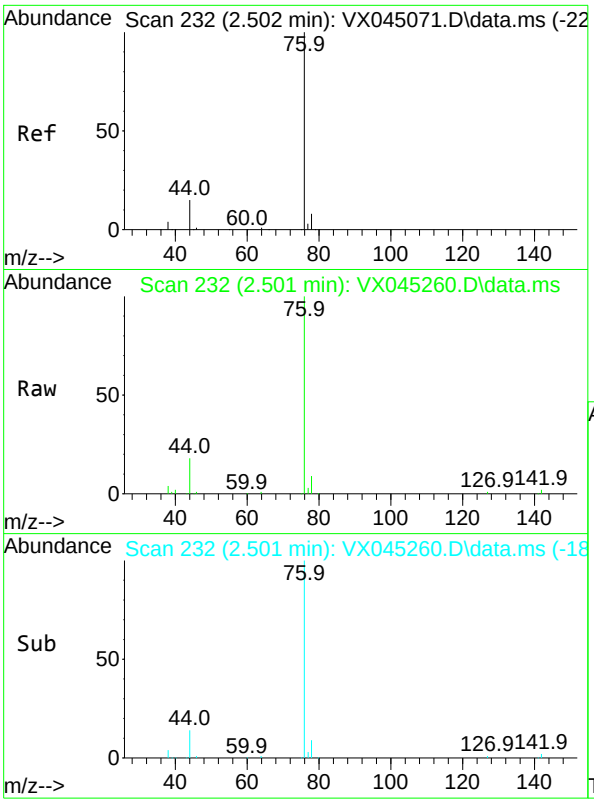


#16
Acetone
Concen: 97.942 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 70410

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



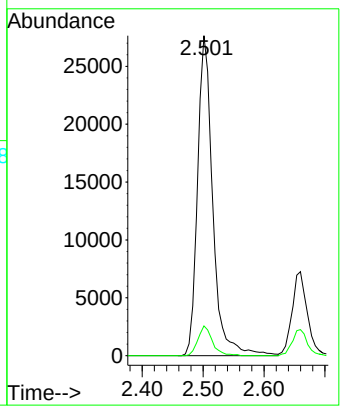


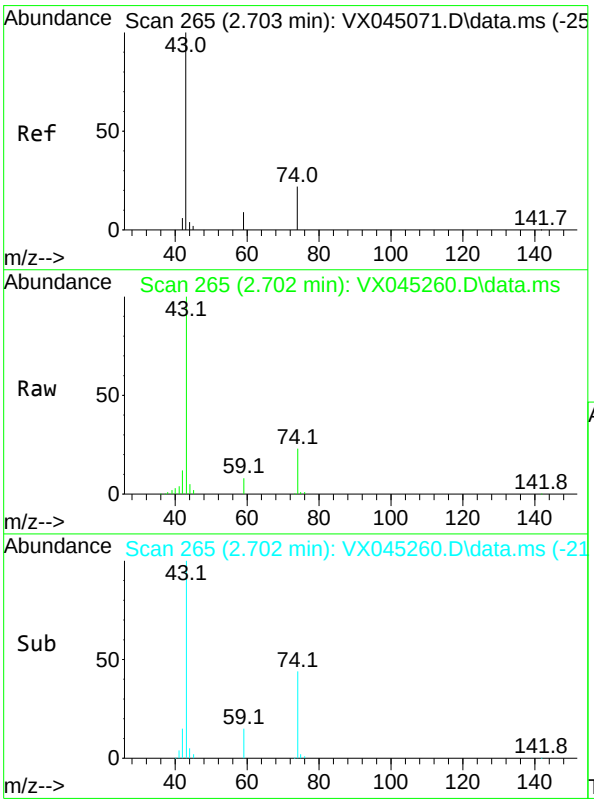
#17
Carbon Disulfide
Concen: 15.049 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 76 Resp: 47976

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

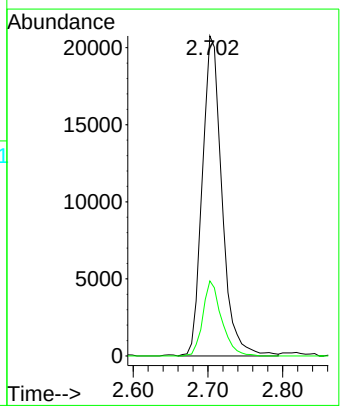


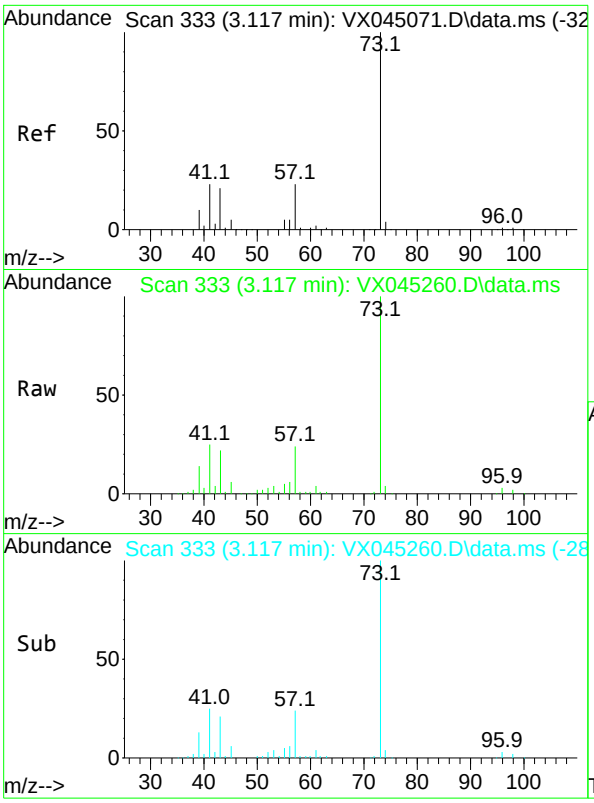


#18
Methyl Acetate
Concen: 21.970 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 37996

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2



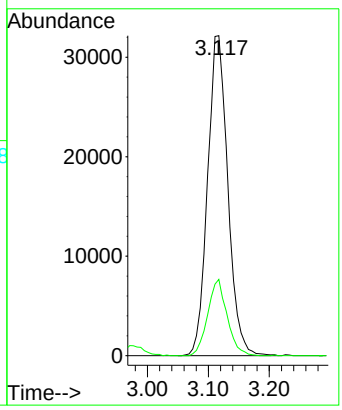


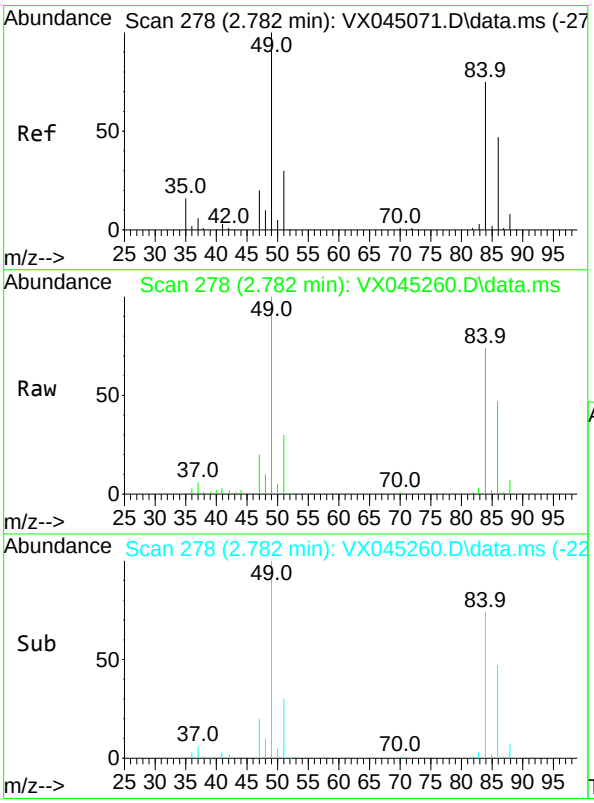
#19
Methyl tert-butyl Ether
Concen: 18.526 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 73 Resp: 74396

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7

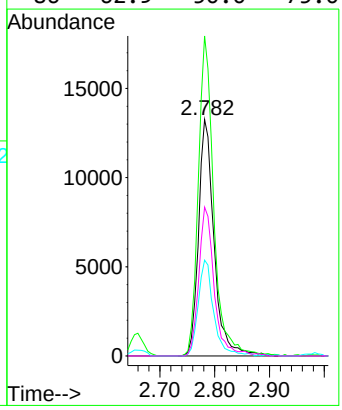


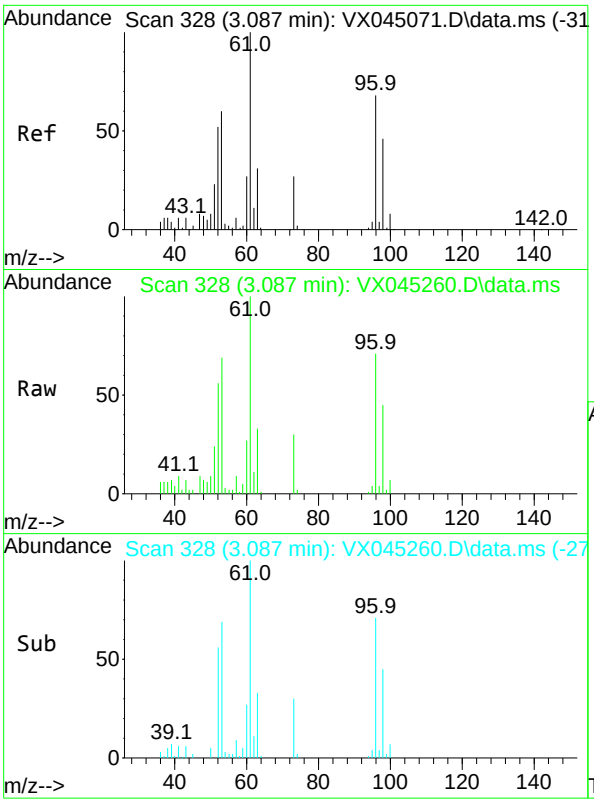


#20
Methylene Chloride
Concen: 18.384 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 84 Resp: 26180

Ion	Ratio	Lower	Upper
84	100		
49	135.3	106.5	159.7
51	40.5	32.1	48.1
86	62.9	50.0	75.0



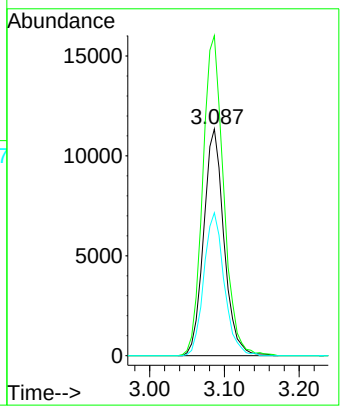


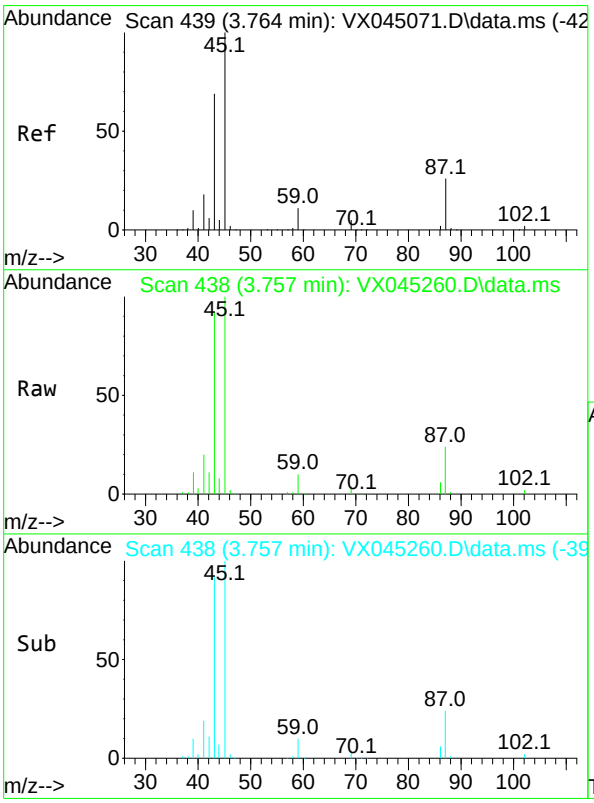
#21
trans-1,2-Dichloroethene
Concen: 18.123 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 96 Resp: 21431

Ion	Ratio	Lower	Upper
96	100		
61	141.2	117.0	175.4
98	63.1	53.4	80.2

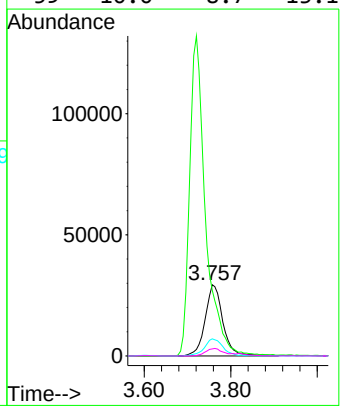


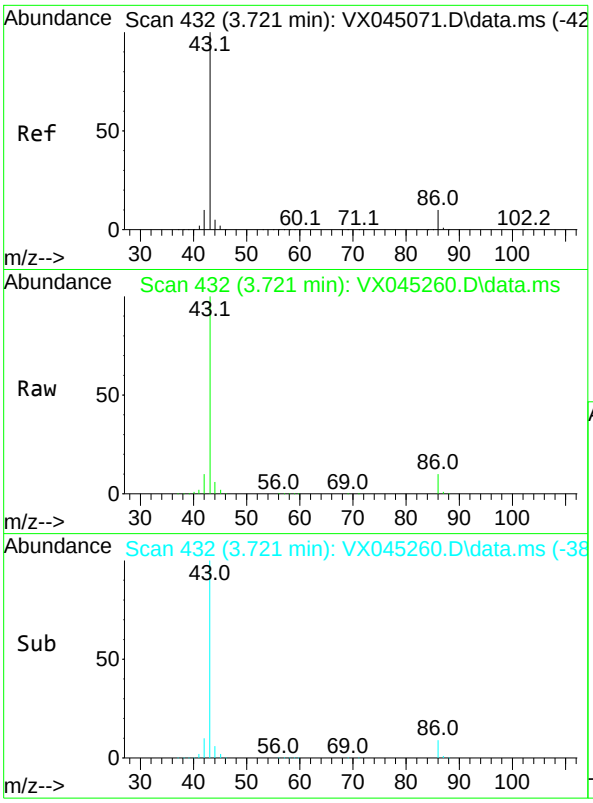


#22
Diisopropyl ether
Concen: 19.249 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 45 Resp: 83408

Ion	Ratio	Lower	Upper
45	100		
43	91.2	54.9	82.3#
87	24.1	21.0	31.4
59	10.0	8.7	13.1



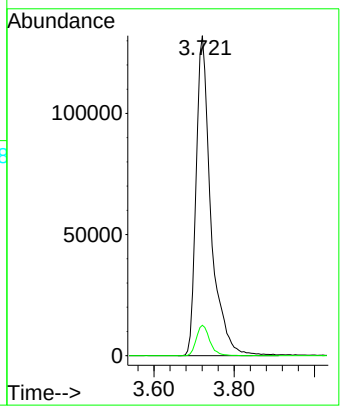


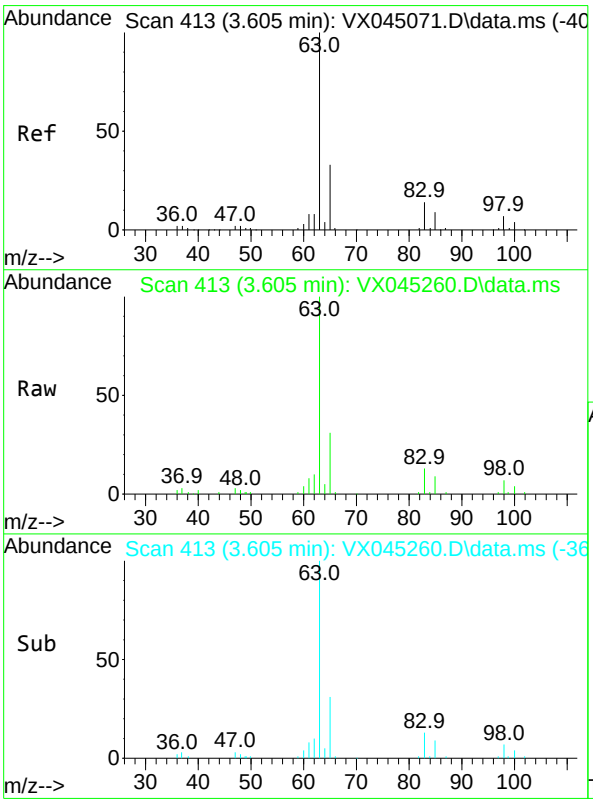
#23
Vinyl Acetate
Concen: 93.636 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 338596

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

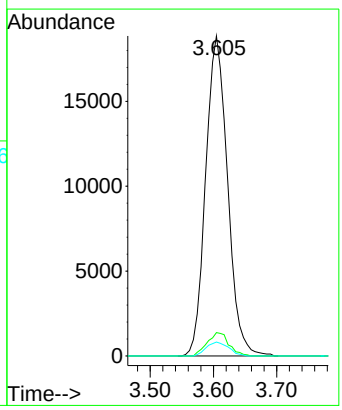


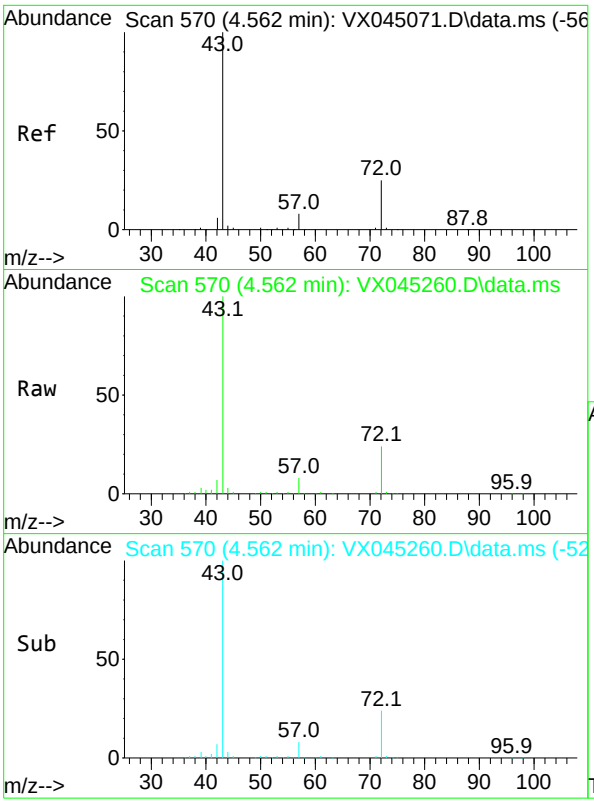


#24
1,1-Dichloroethane
Concen: 18.678 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 63 Resp: 45359

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.1	6.5



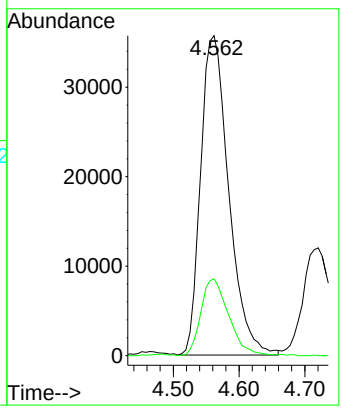


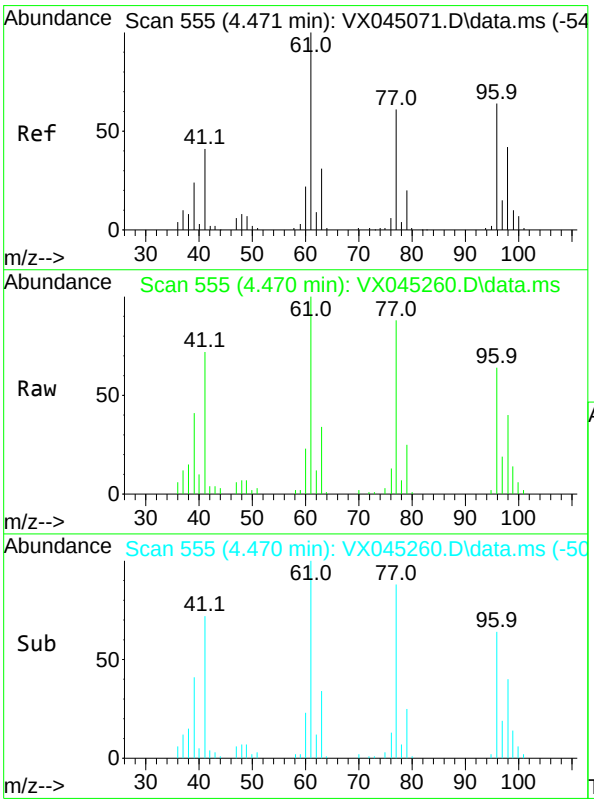
#25
2-Butanone
Concen: 98.177 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 106239

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

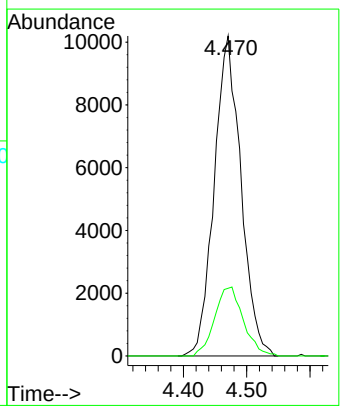


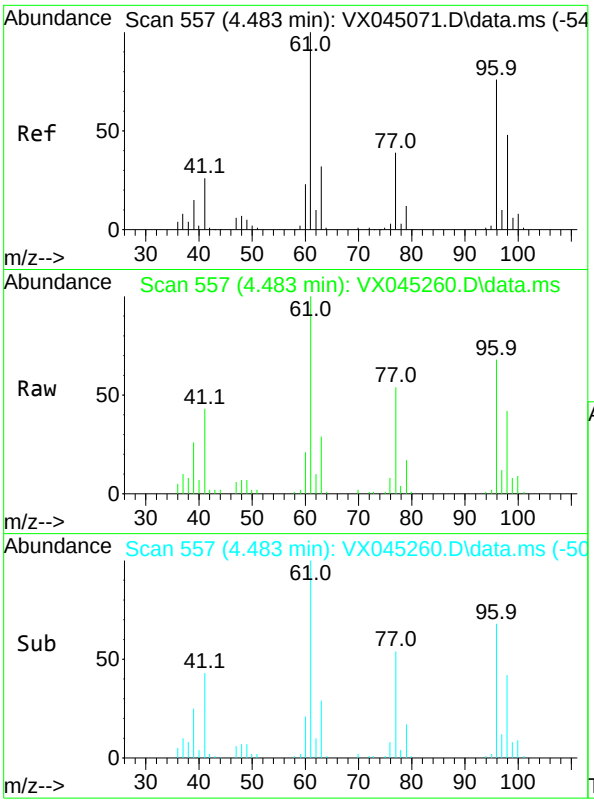


#26
2,2-Dichloropropane
Concen: 26.246 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 77 Resp: 29896

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0



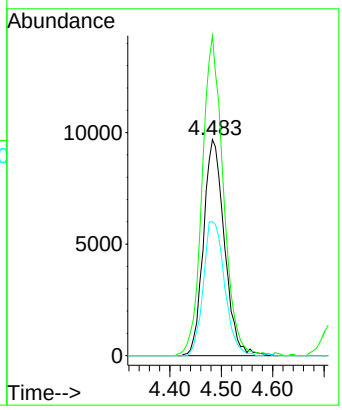


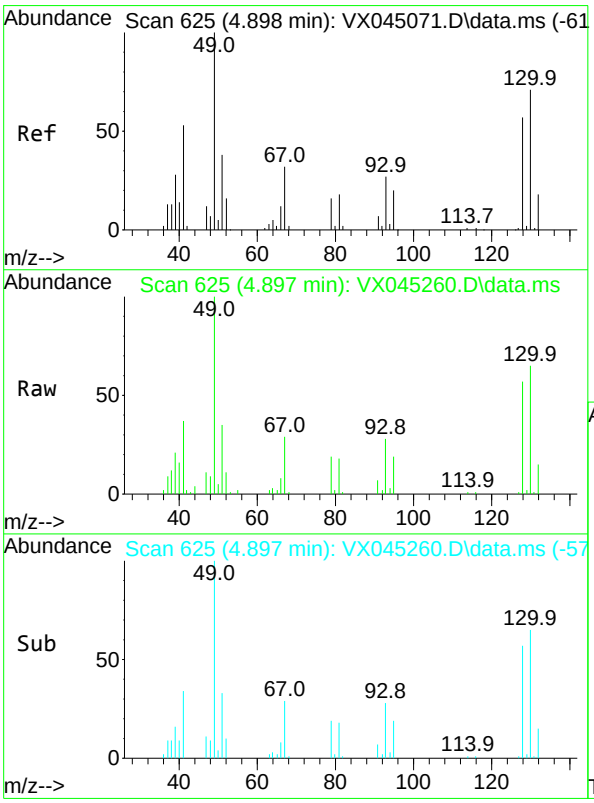
#27
cis-1,2-Dichloroethene
Concen: 18.770 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 96 Resp: 27400

Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	283.2
98	63.3	0.0	128.0

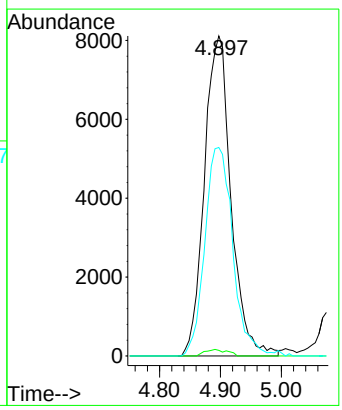


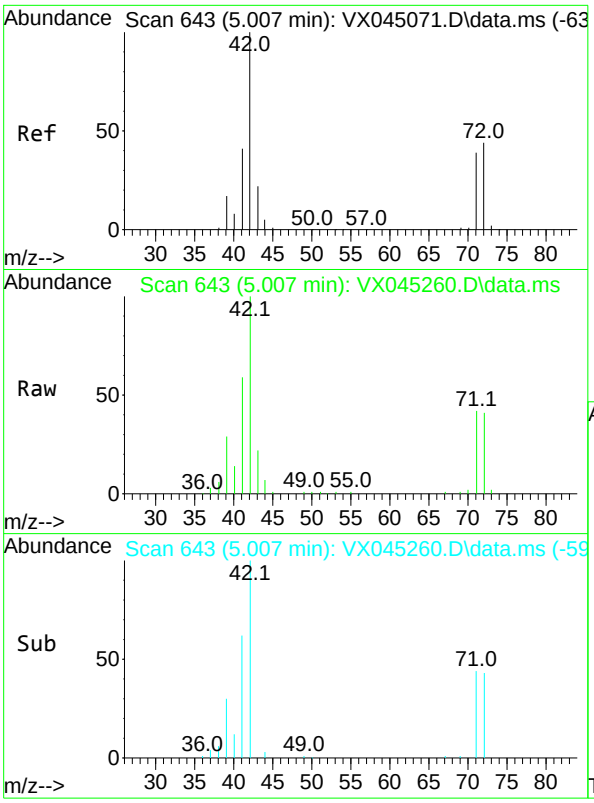


#28
Bromochloromethane
Concen: 21.300 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 49 Resp: 24655

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.4	56.1	84.1



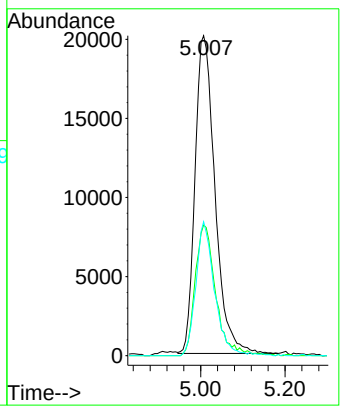


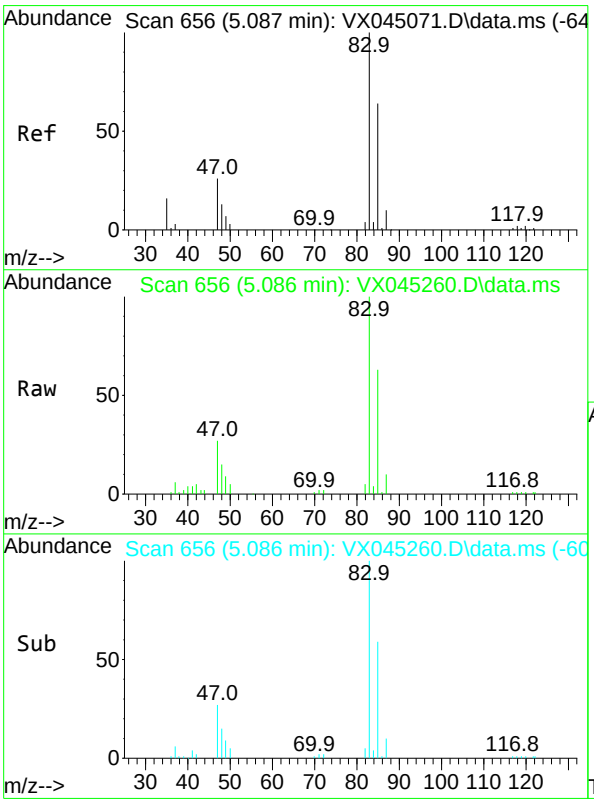
#29
Tetrahydrofuran
Concen: 91.099 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 42 Resp: 66201

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.0	31.4	47.0

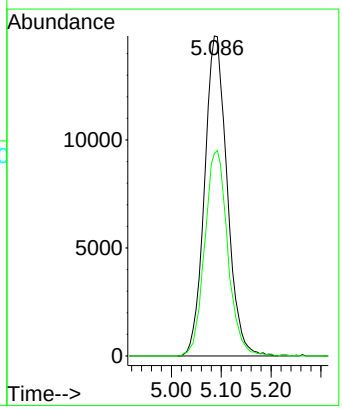


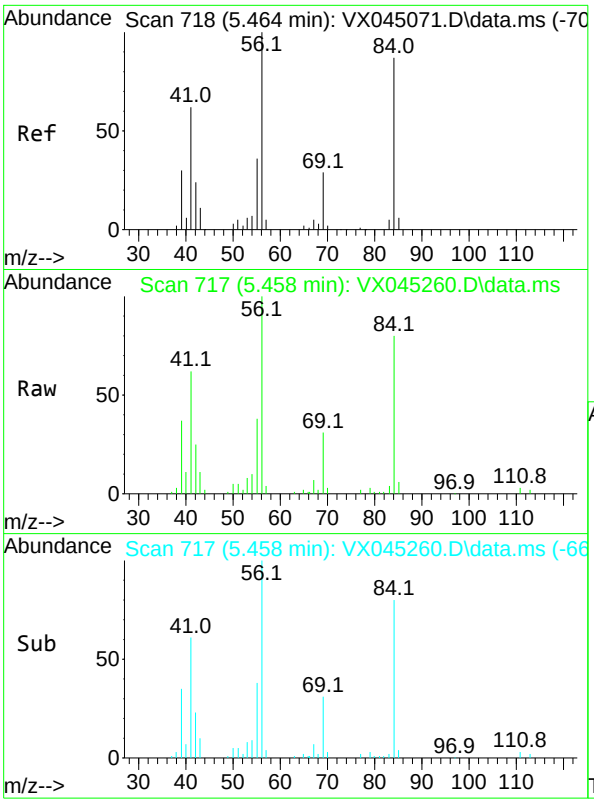


#30
Chloroform
Concen: 19.287 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 83 Resp: 46538

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2



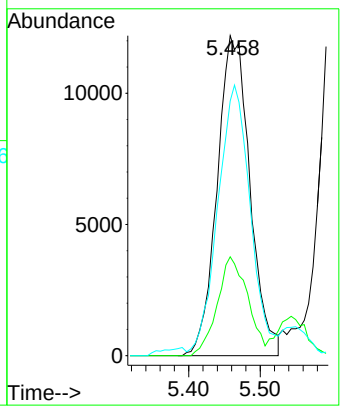


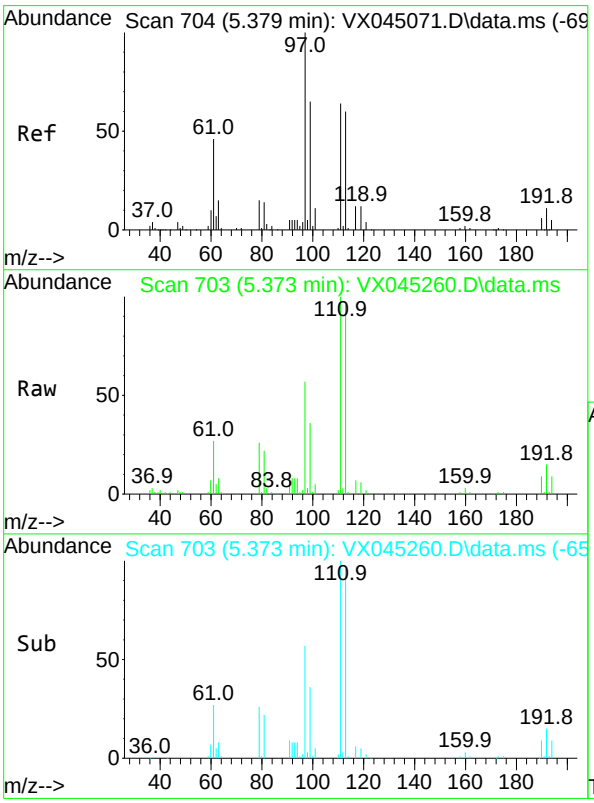
#31
Cyclohexane
Concen: 18.387 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 56 Resp: 38761

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.4	35.2
84	77.4	69.4	104.2

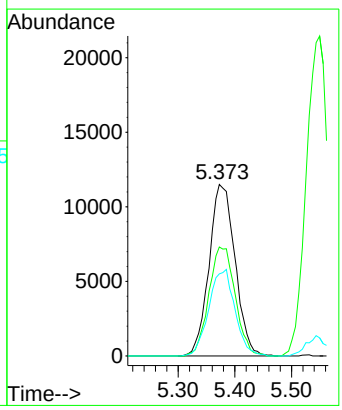


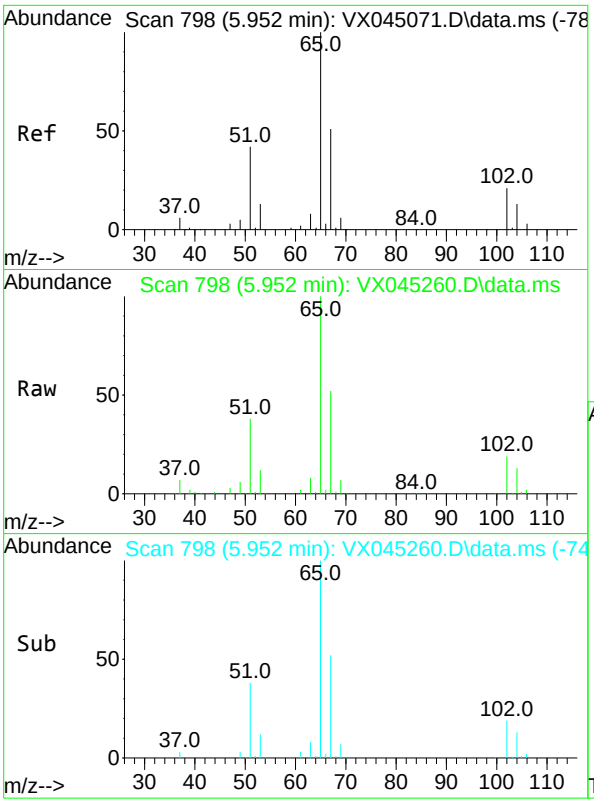


#32
1,1,1-Trichloroethane
Concen: 18.786 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 97 Resp: 36612

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.5	38.4	57.6



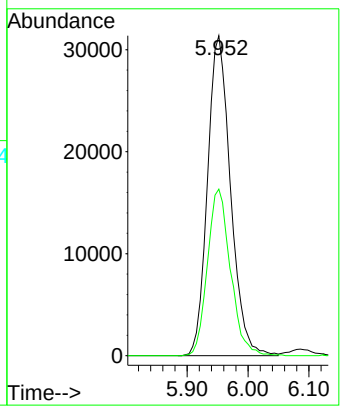


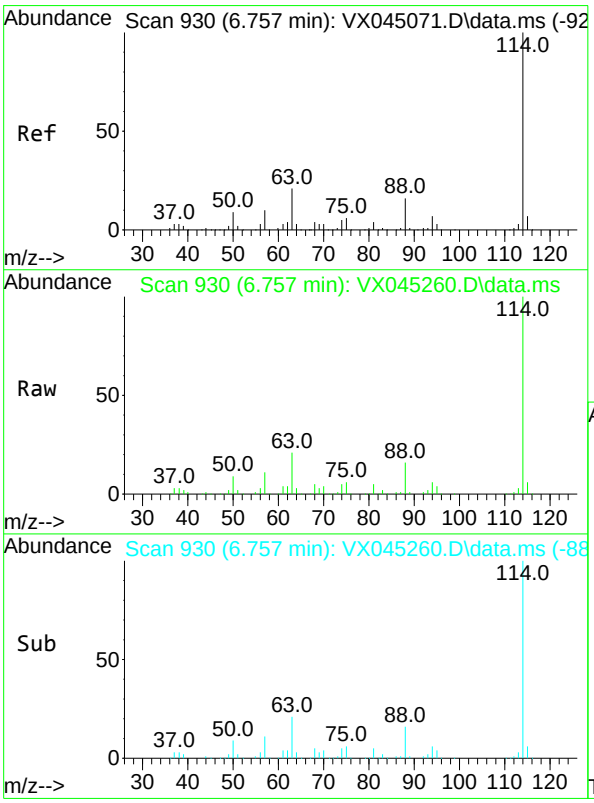
#33
1,2-Dichloroethane-d4
Concen: 53.237 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 65 Resp: 82488

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

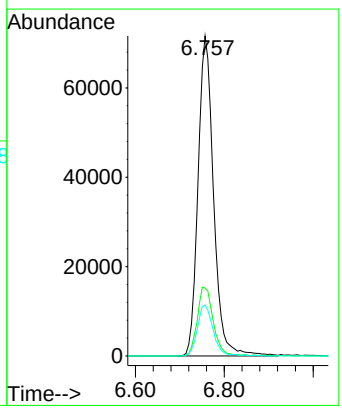


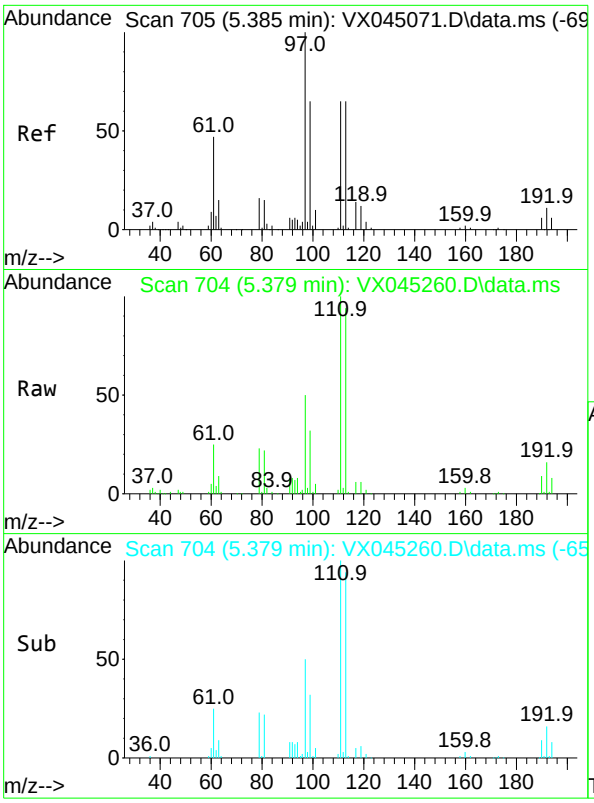


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:114 Resp: 174469

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.9	0.0	32.8



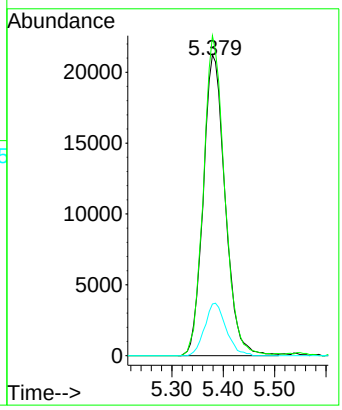


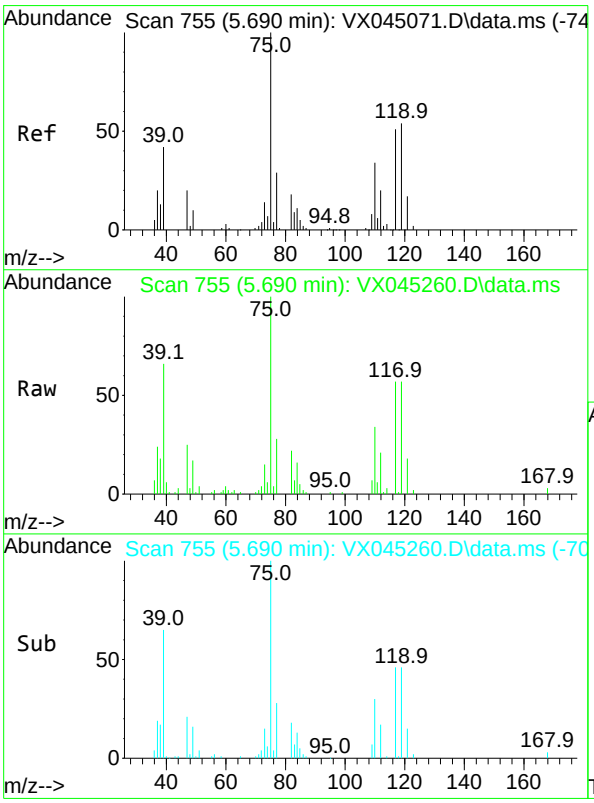
#35
Dibromofluoromethane
Concen: 53.849 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:113 Resp: 62822

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.0	14.3	21.5

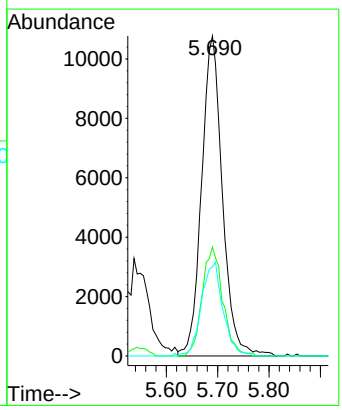


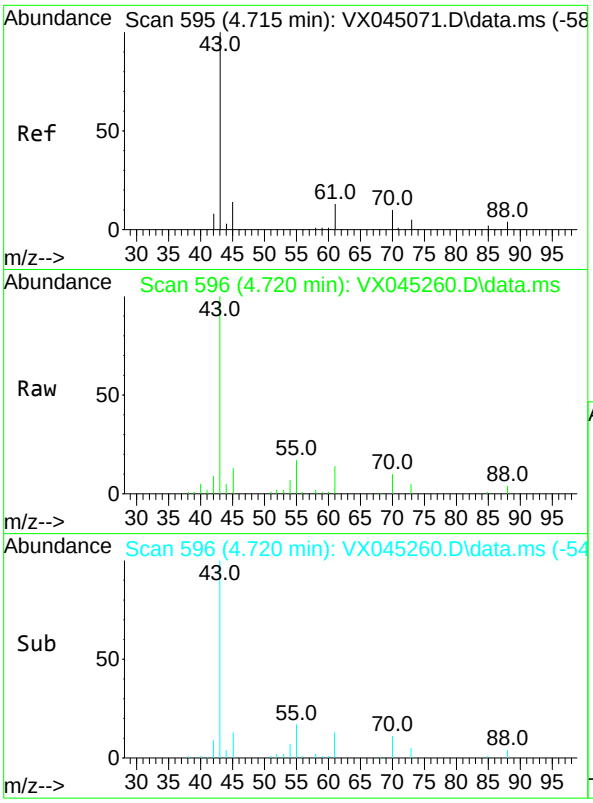


#36
1,1-Dichloropropene
Concen: 18.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 30345

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	30.2	24.5	36.7



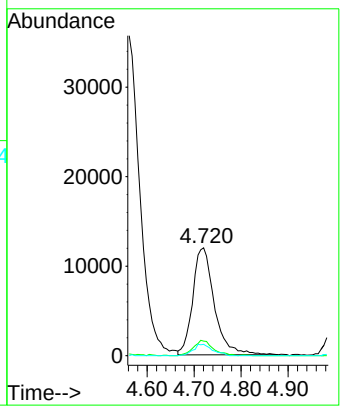


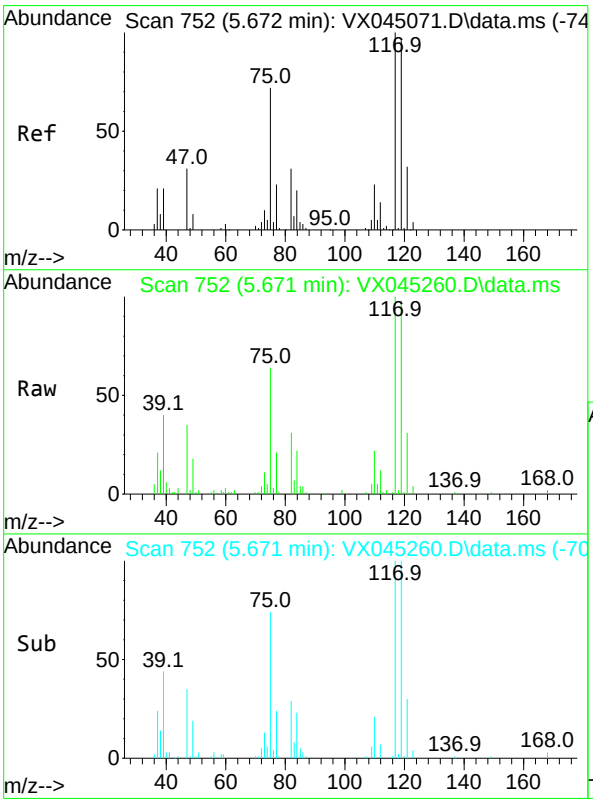
#37
Ethyl Acetate
Concen: 18.489 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 38116

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.5	7.7	11.5

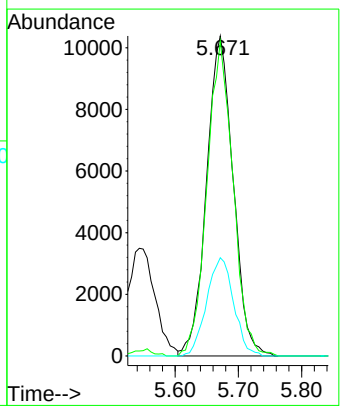


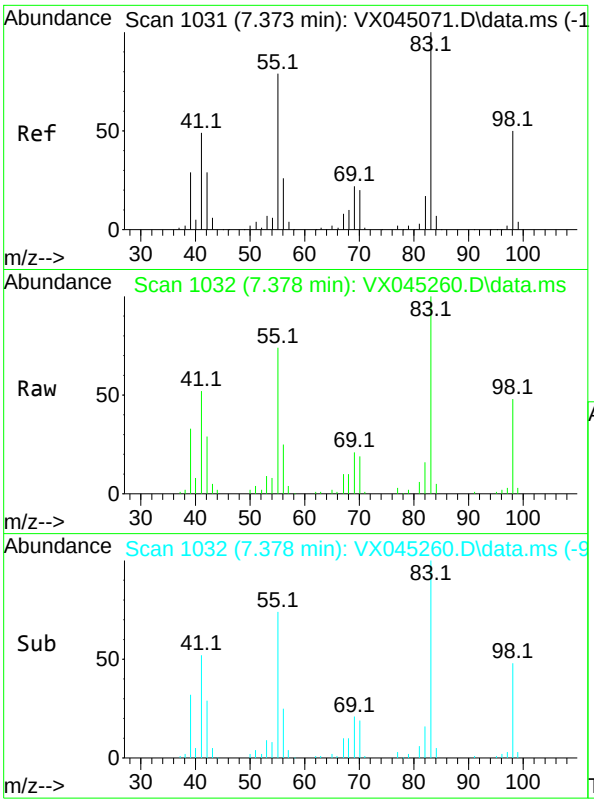


#38
Carbon Tetrachloride
Concen: 18.728 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:117 Resp: 30420

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.7	115.1
121	30.7	25.5	38.3



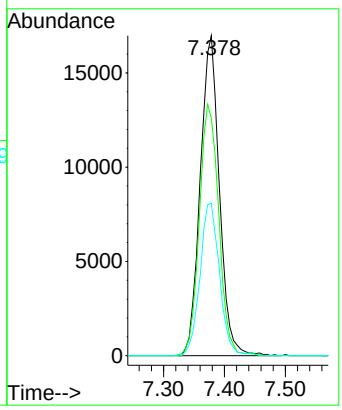


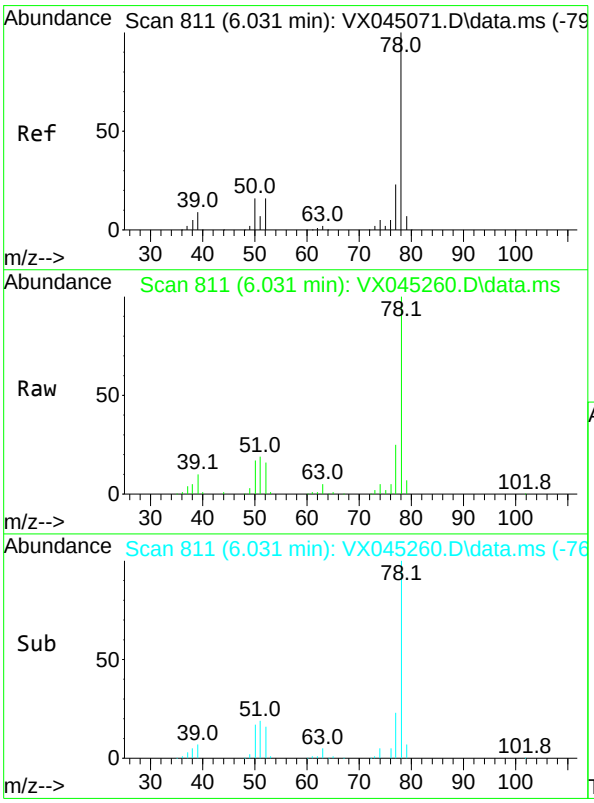
#39
Methylcyclohexane
Concen: 19.328 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 83 Resp: 37053

Ion	Ratio	Lower	Upper
83	100		
55	74.3	63.0	94.4
98	47.6	39.7	59.5

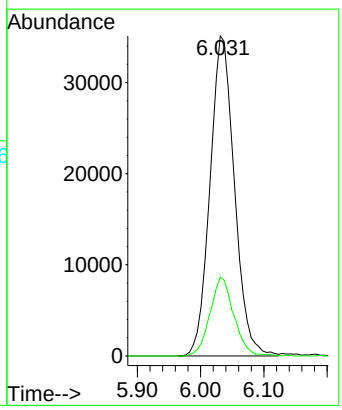


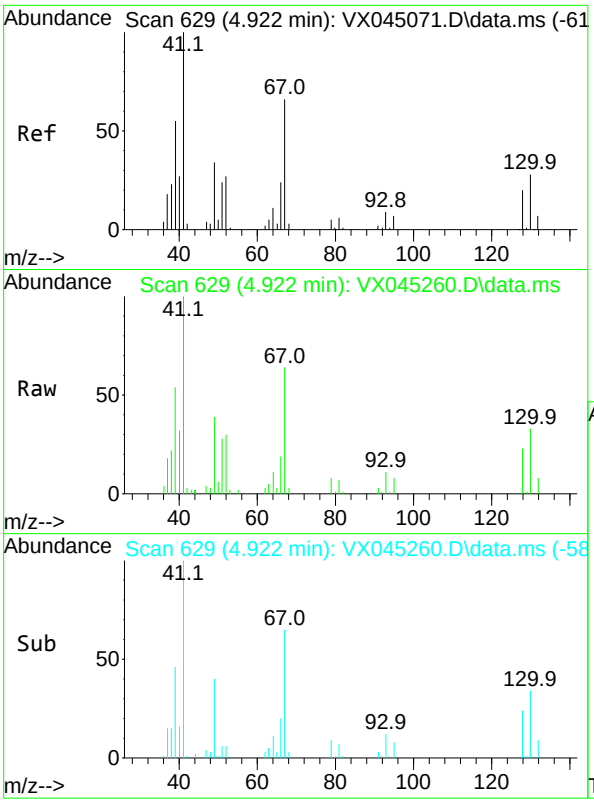


#40
Benzene
Concen: 18.630 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 78 Resp: 94123

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2



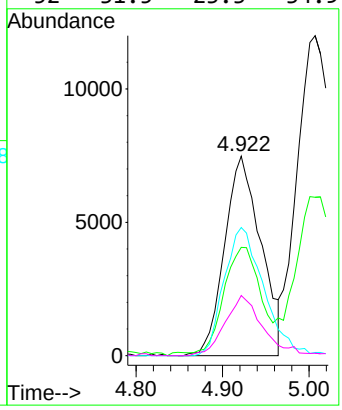


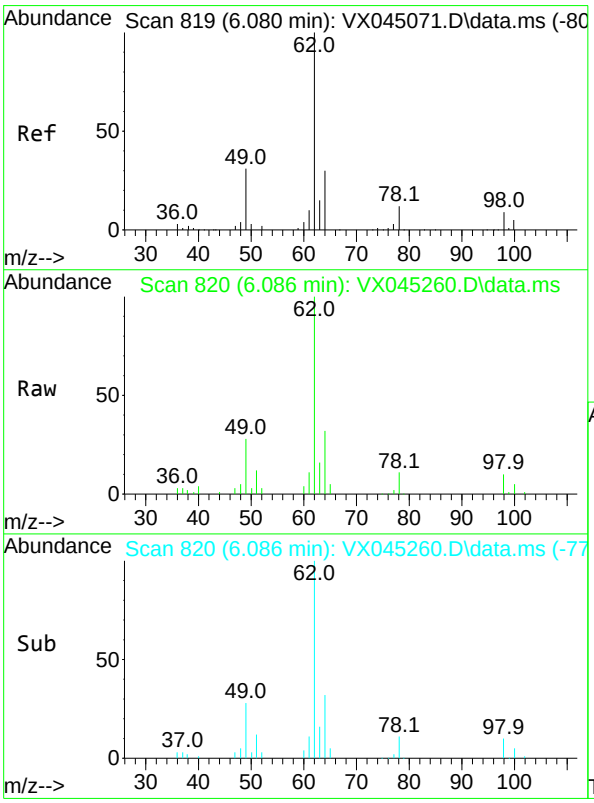
#41
Methacrylonitrile
Concen: 19.586 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 41 Resp: 21833

Ion	Ratio	Lower	Upper
41	100		
39	52.1	44.6	67.0
67	70.6	53.9	80.9
52	31.5	23.3	34.9

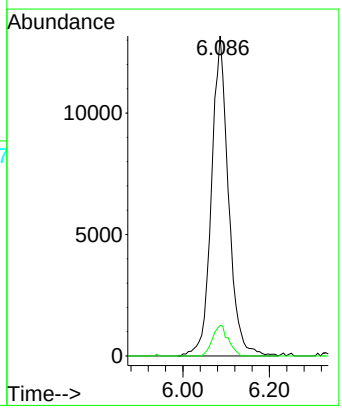


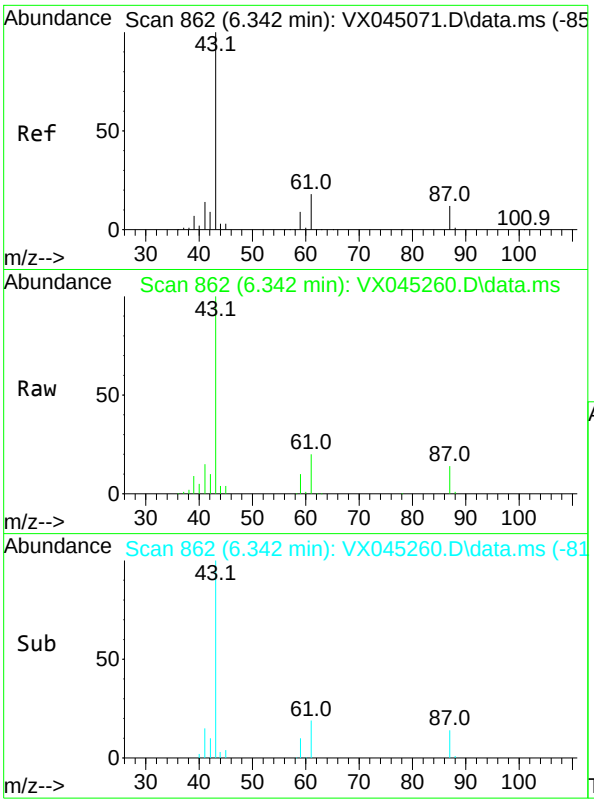


#42
1,2-Dichloroethane
Concen: 19.806 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 62 Resp: 36032

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



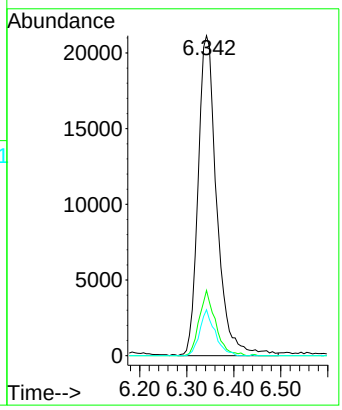


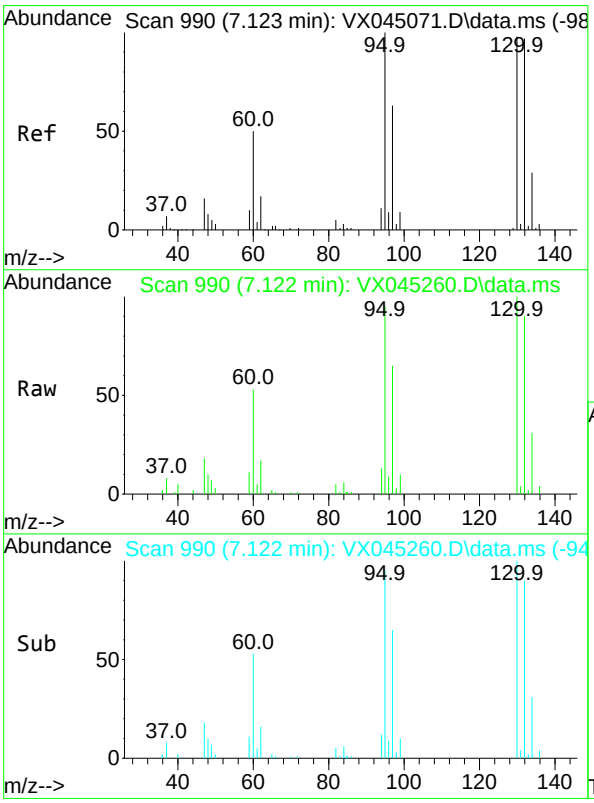
#43
Isopropyl Acetate
Concen: 19.150 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 58378

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.7	9.4	14.2

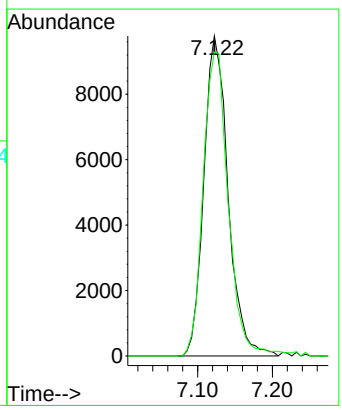


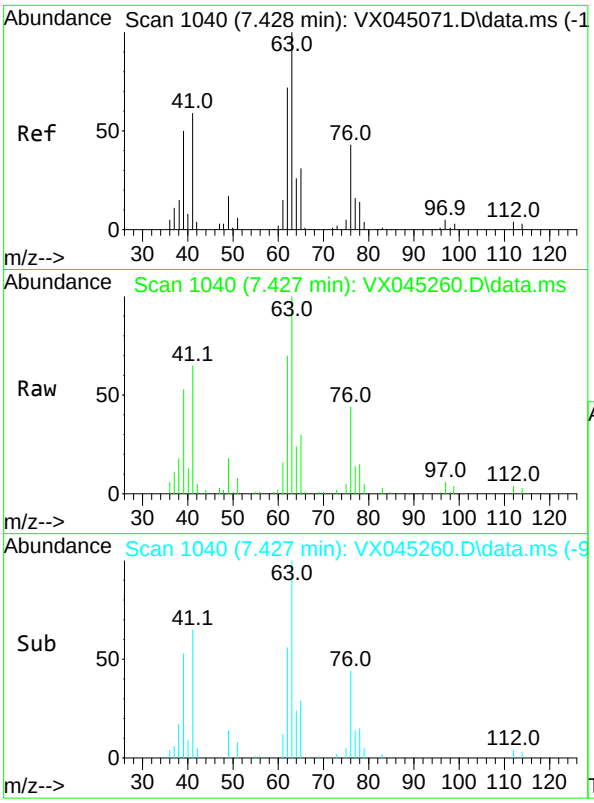


#44
Trichloroethene
Concen: 18.574 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:130 Resp: 22034

Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	205.0



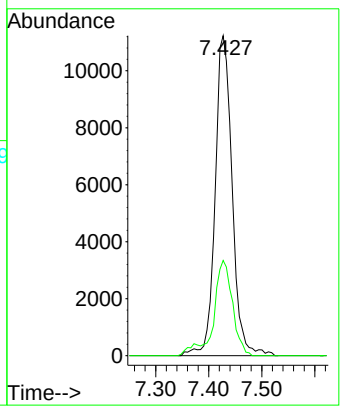


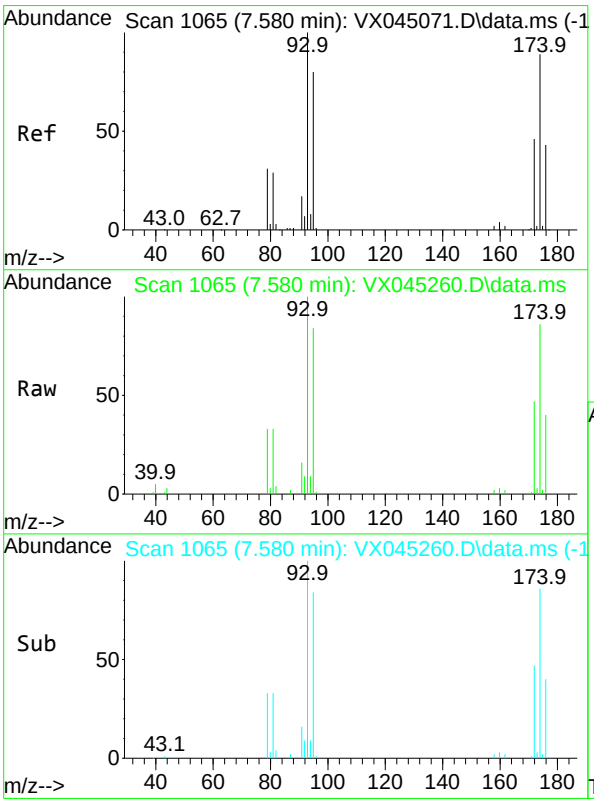
#45
1,2-Dichloropropane
Concen: 19.287 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 63 Resp: 25053

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.7	37.1

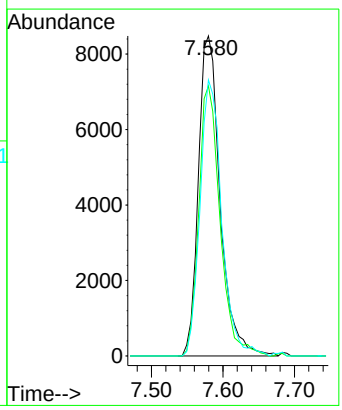


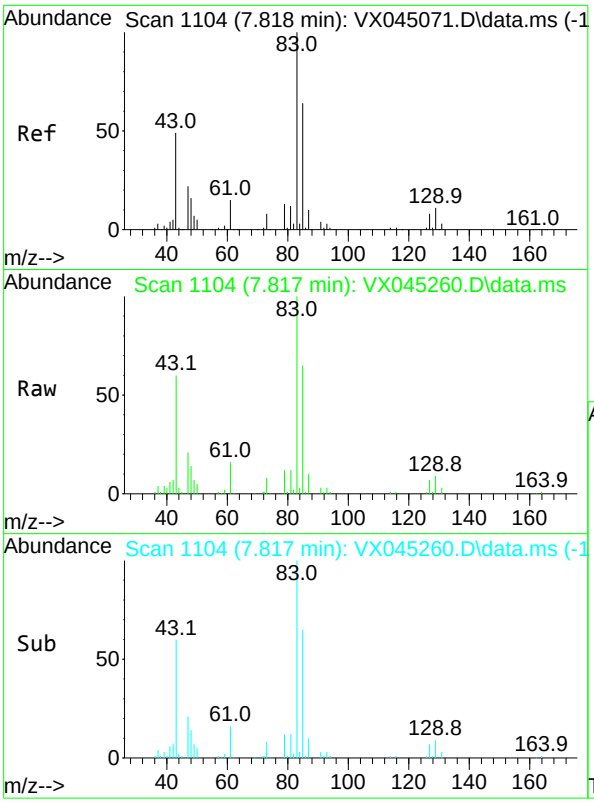


#46
Dibromomethane
Concen: 19.527 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 93 Resp: 17928

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	86.2	72.2	108.2



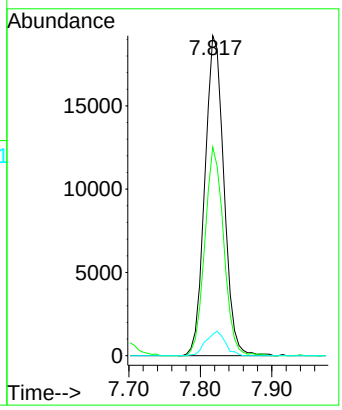


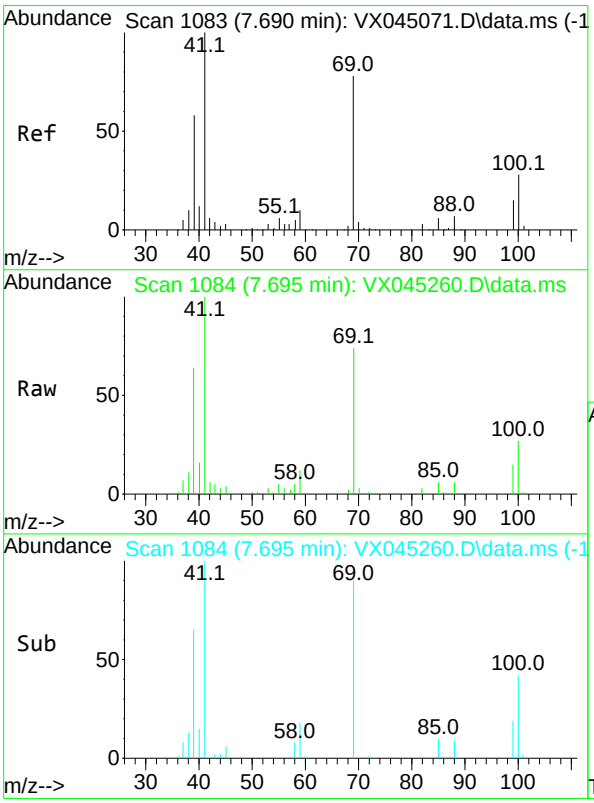
#47
Bromodichloromethane
Concen: 19.737 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 83 Resp: 35544

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	6.7	6.4	9.6

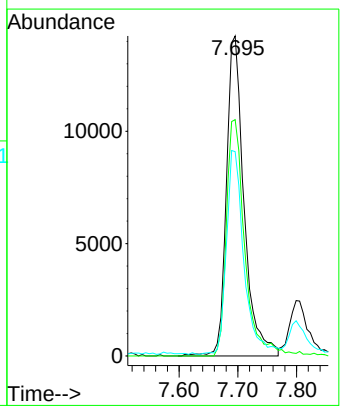


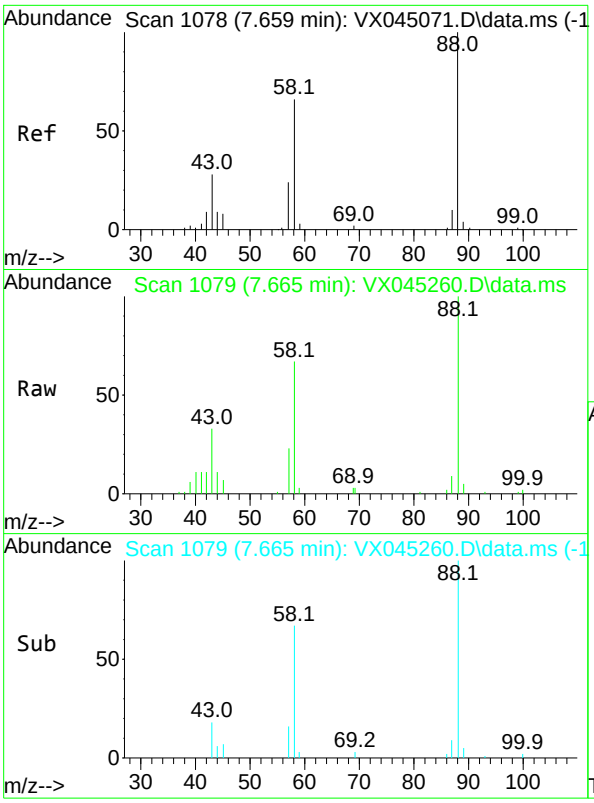


#48
Methyl methacrylate
Concen: 19.454 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 41 Resp: 29753

Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	63.1	47.5	71.3



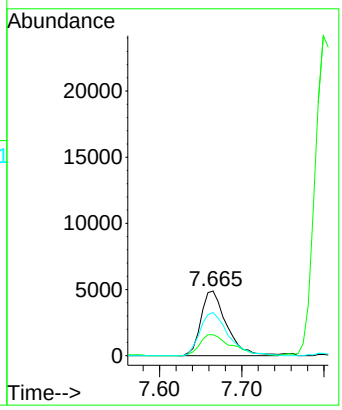


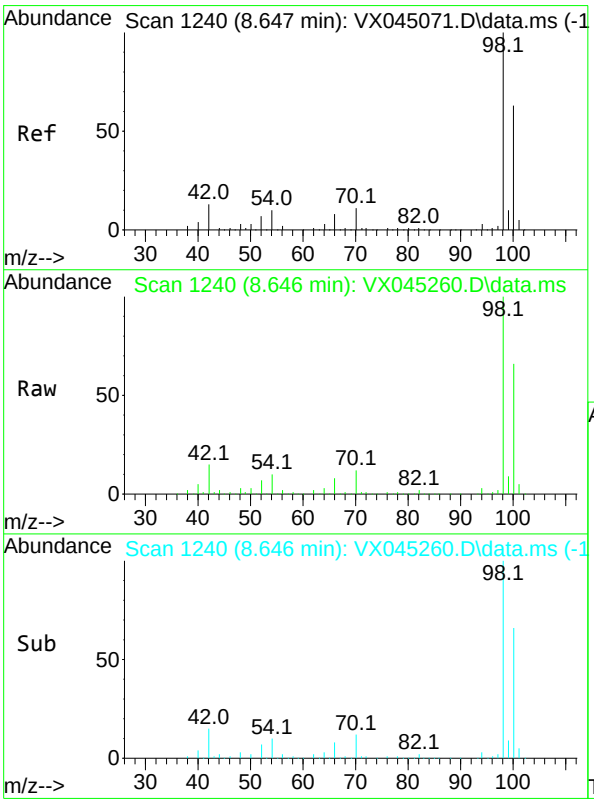
#49
1,4-Dioxane
Concen: 326.274 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 88 Resp: 10526

Ion	Ratio	Lower	Upper
88	100		
43	40.6	28.7	43.1
58	73.9	55.8	83.8

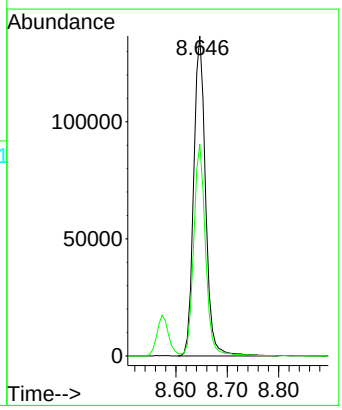


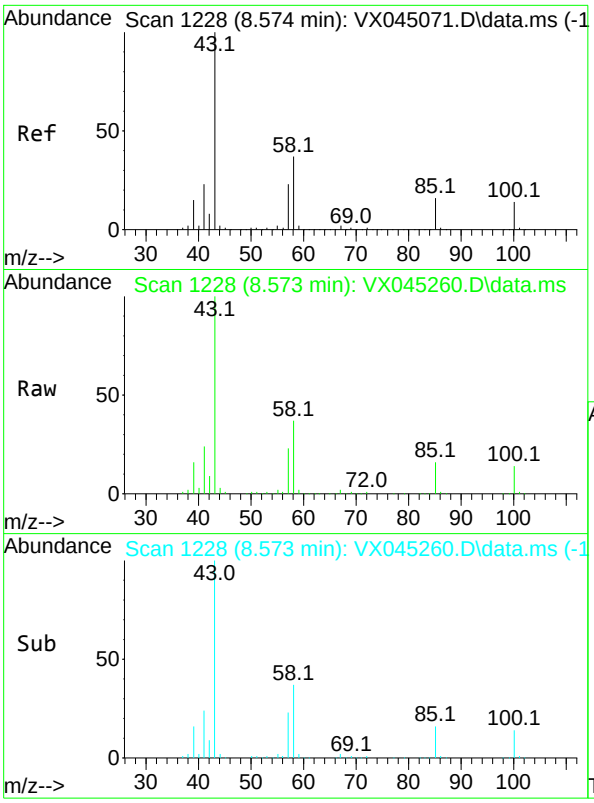


#50
Toluene-d8
Concen: 51.954 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 98 Resp: 219736

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



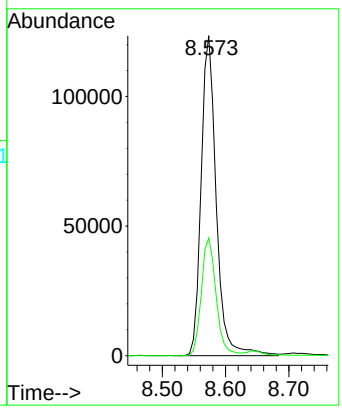


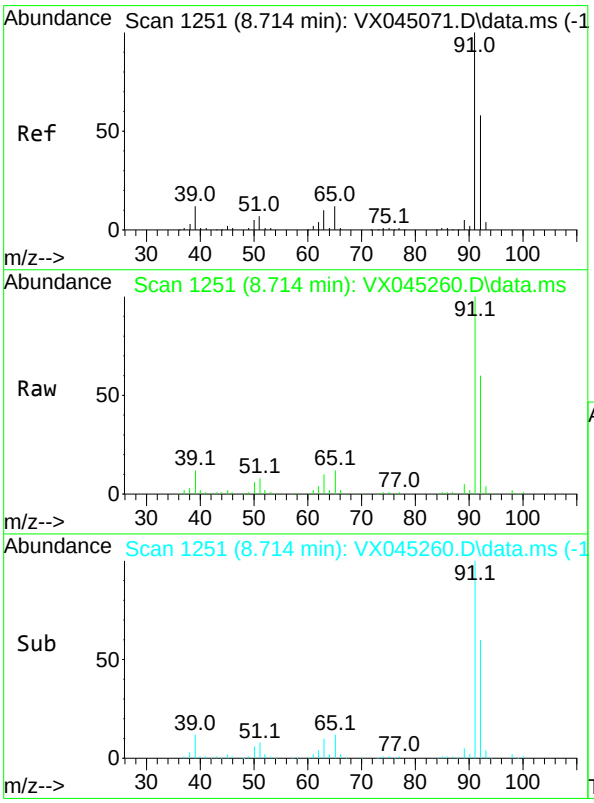
#51
4-Methyl-2-Pentanone
Concen: 100.325 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 205355

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8

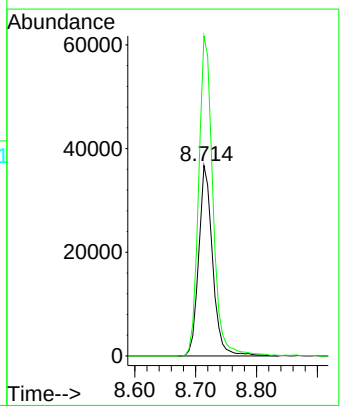


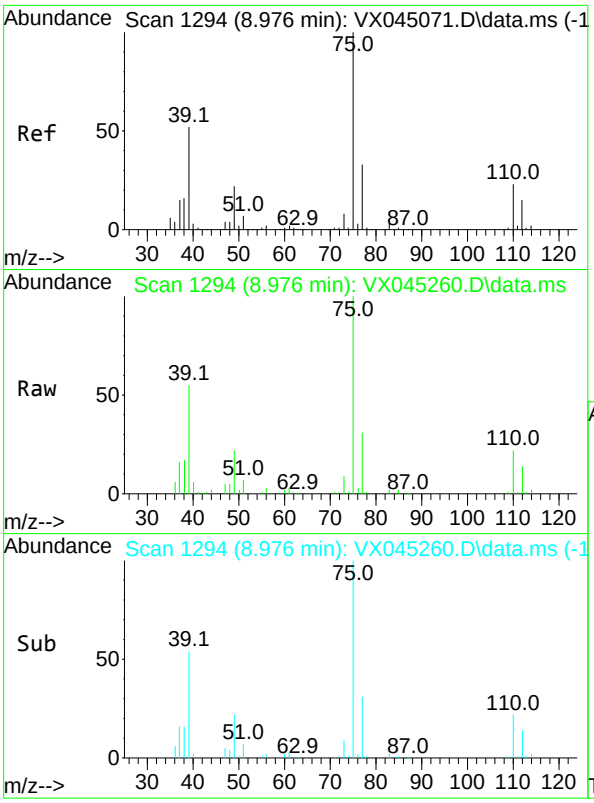


#52
Toluene
Concen: 19.652 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 92 Resp: 58253

Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.9	208.3



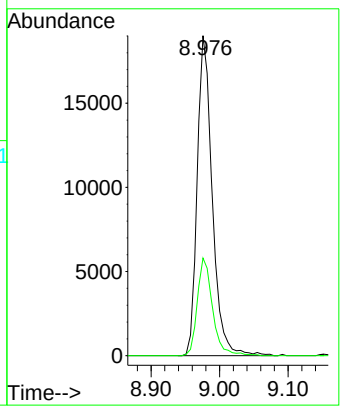


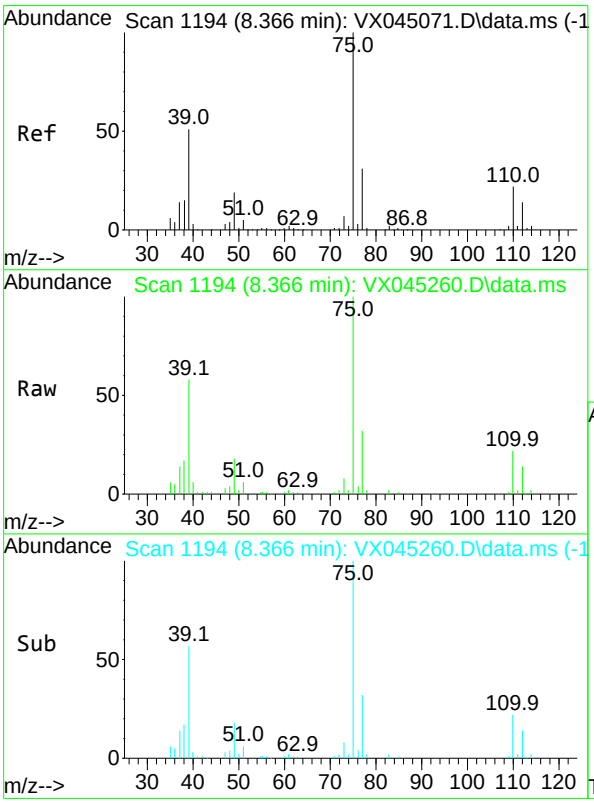
#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 75 Resp: 29128

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7

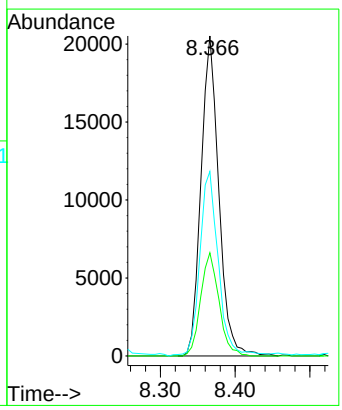


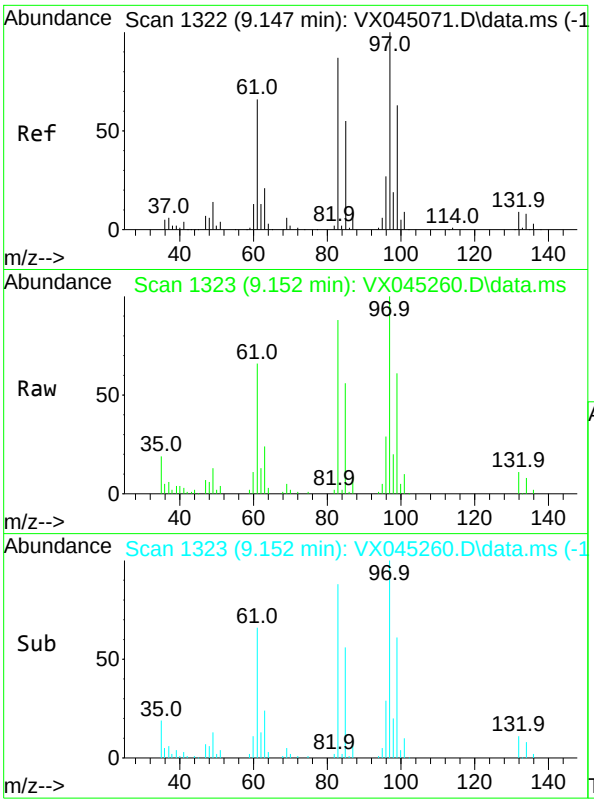


#54
cis-1,3-Dichloropropene
Concen: 19.356 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 33982

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	57.2	40.7	61.1



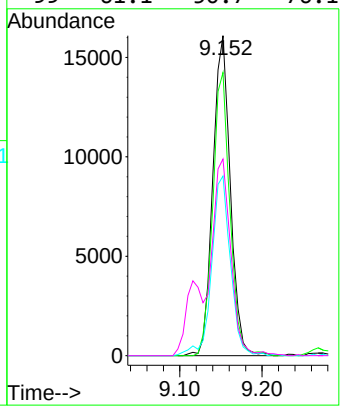


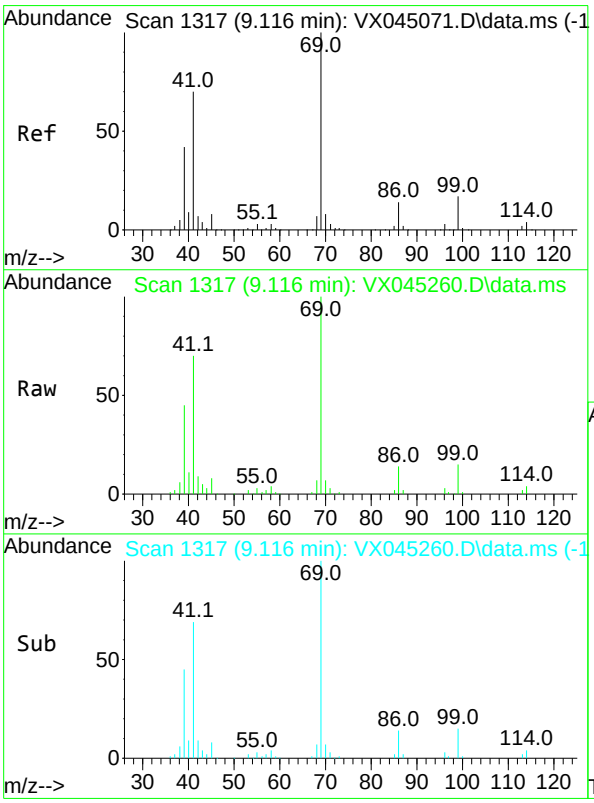
#55
1,1,2-Trichloroethane
Concen: 19.557 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 97 Resp: 23865

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.4	104.2
85	55.8	44.1	66.1
99	61.1	50.7	76.1

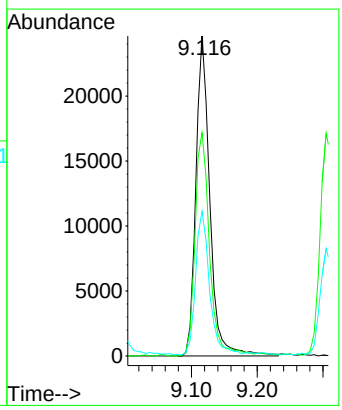


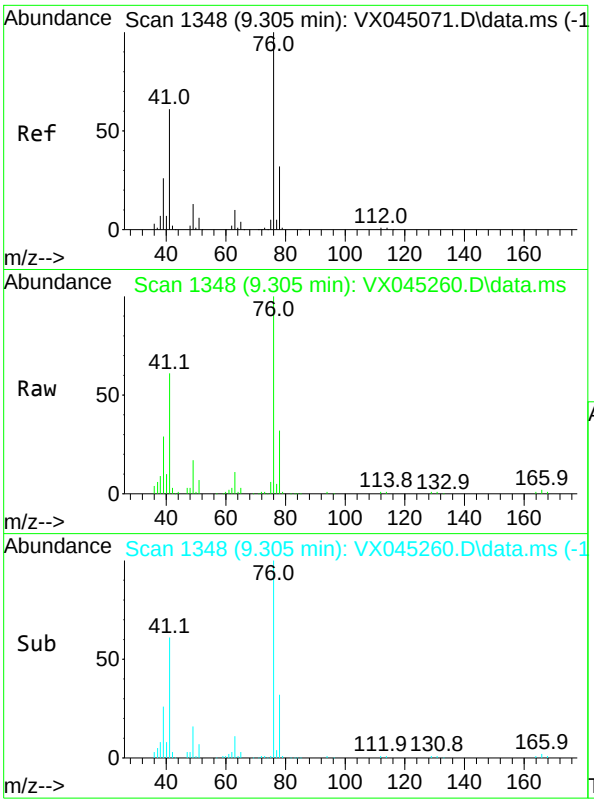


#56
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 69 Resp: 36370

Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.4
39	44.5	34.2	51.4



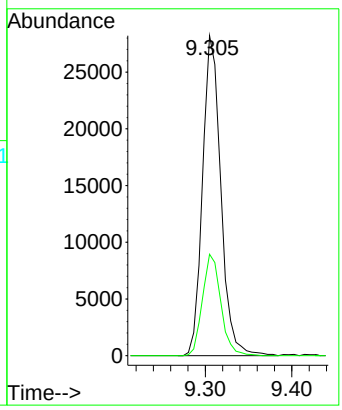


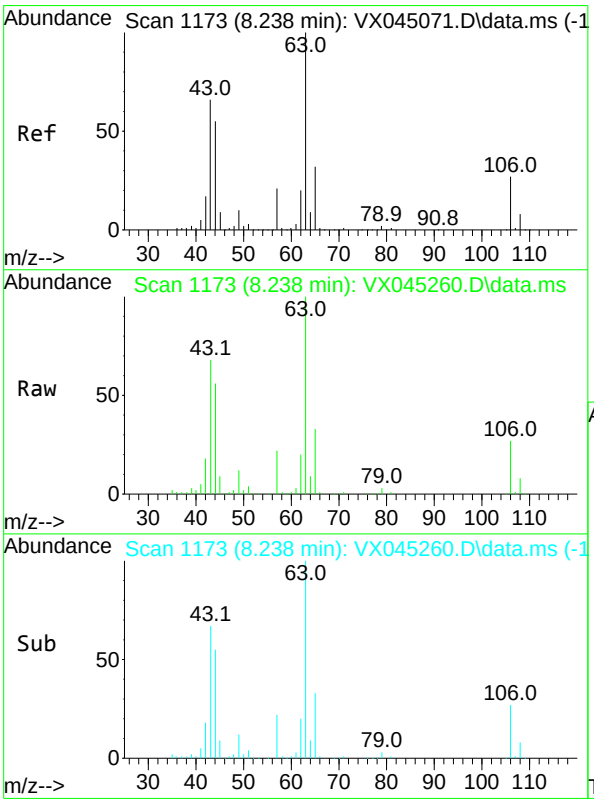
#57
1,3-Dichloropropane
Concen: 19.602 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 76 Resp: 41395

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

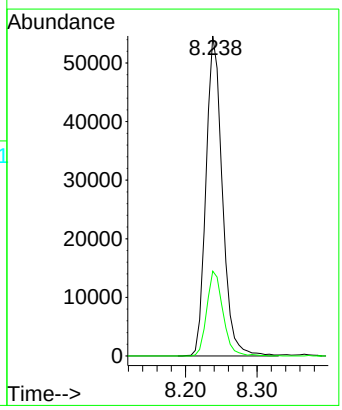


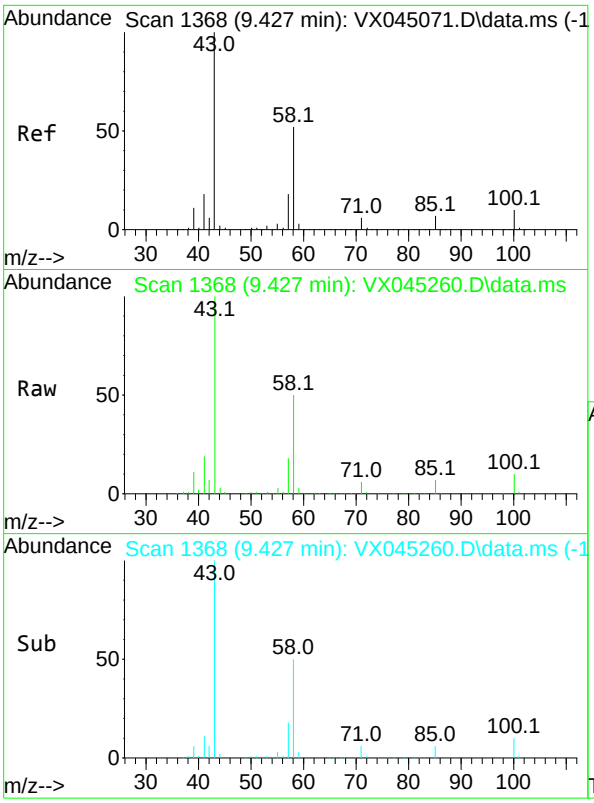


#58
2-Chloroethyl Vinyl ether
Concen: 95.960 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 63 Resp: 86829

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



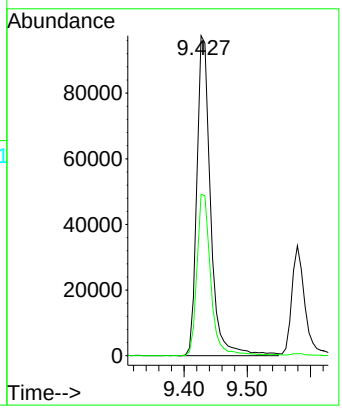


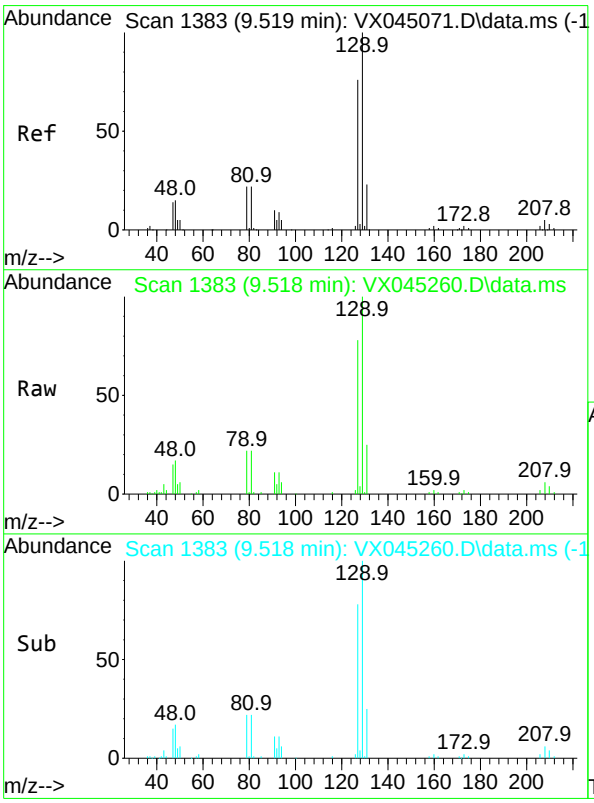
#59
2-Hexanone
Concen: 99.661 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 43 Resp: 147804

Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

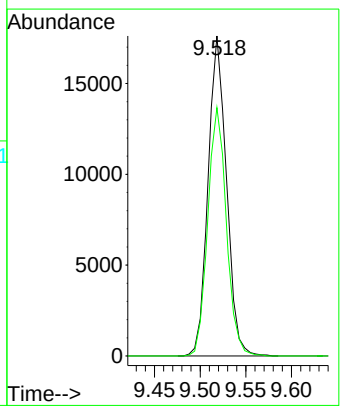


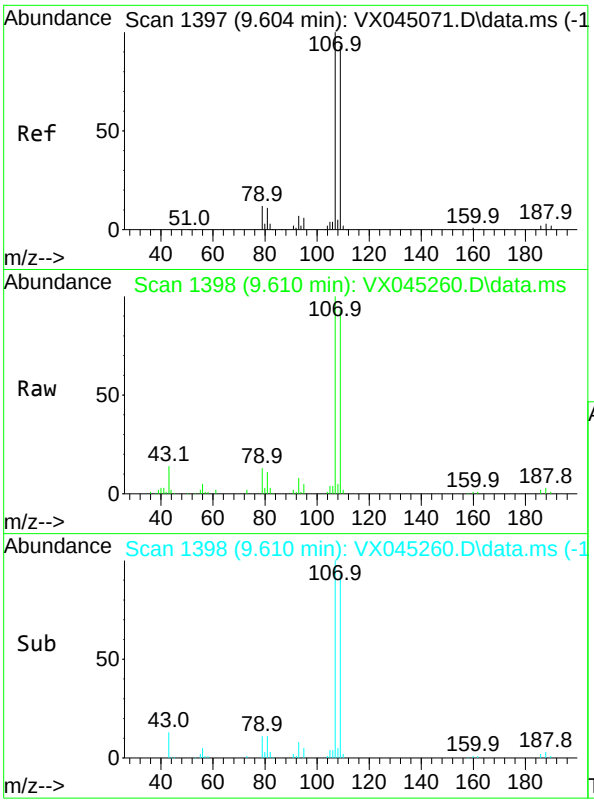


#60
Dibromochloromethane
Concen: 19.338 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:129 Resp: 24674

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



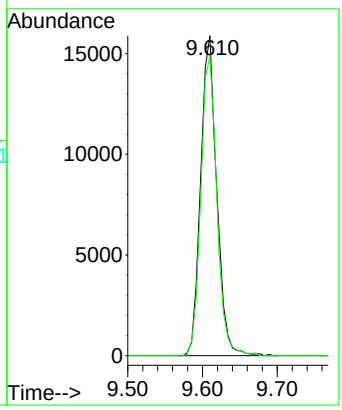


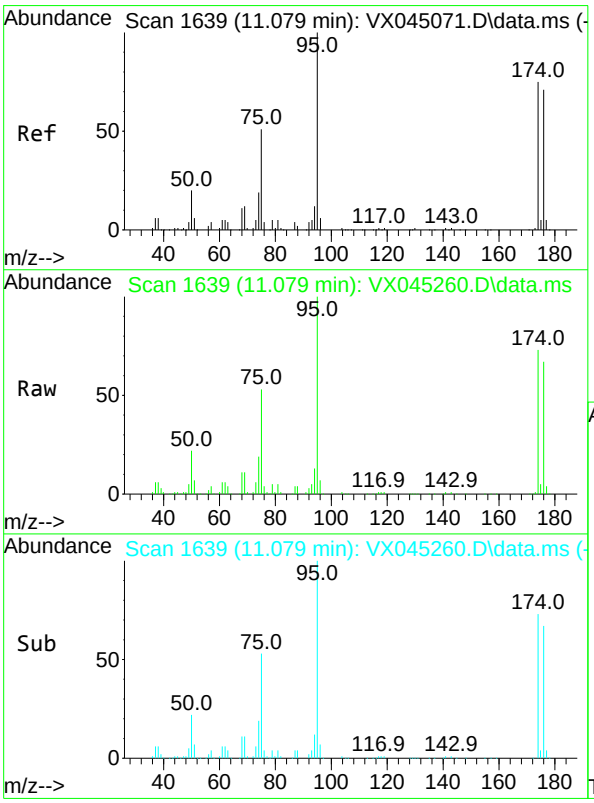
#61
1,2-Dibromoethane
Concen: 19.483 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:107 Resp: 23735

Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1

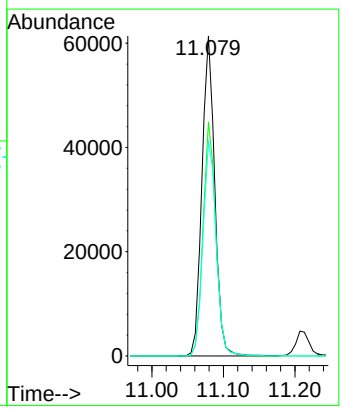


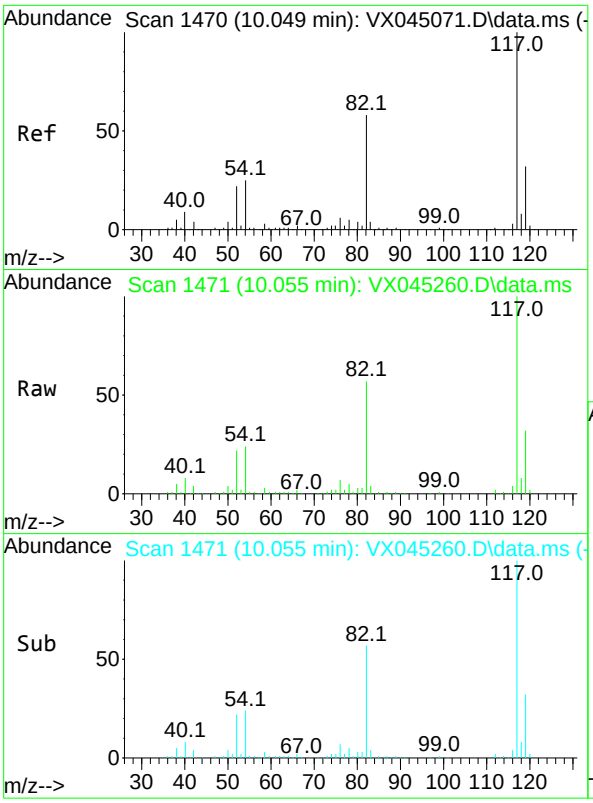


#62
4-Bromofluorobenzene
Concen: 54.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 95 Resp: 76284

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	148.2
176	69.4	0.0	141.4



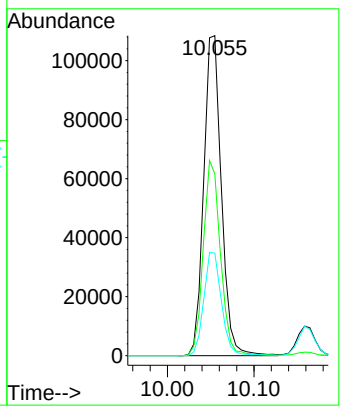


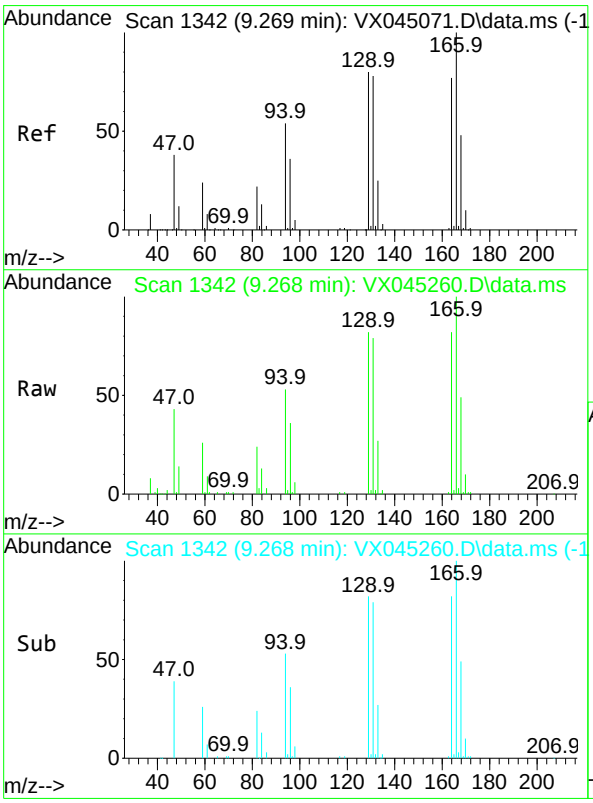
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:117 Resp: 153760

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.3	69.5
119	32.1	25.7	38.5

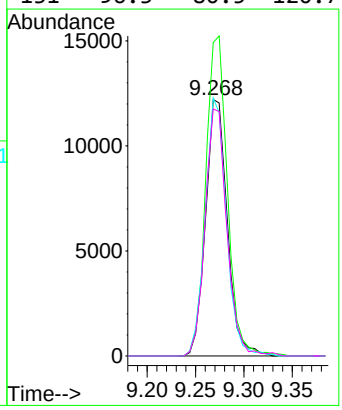


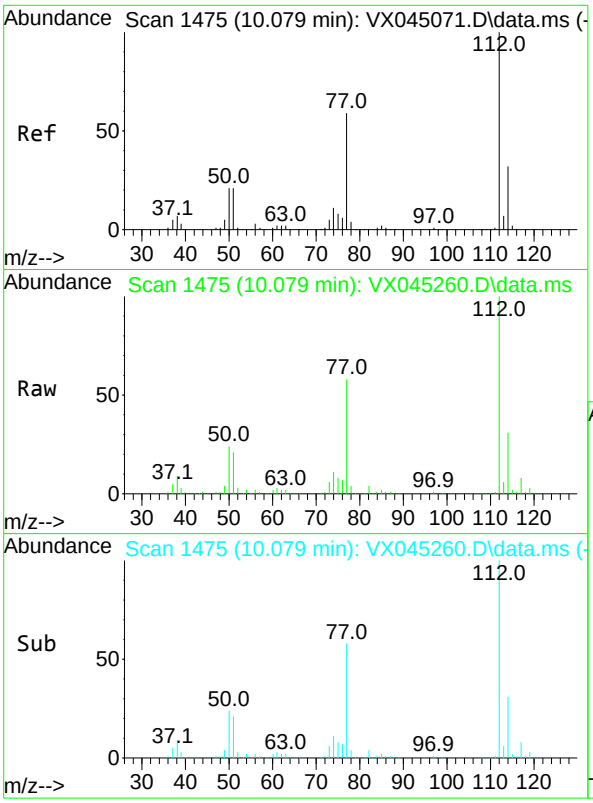


#64
Tetrachloroethene
Concen: 19.342 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:164 Resp: 19047

Ion	Ratio	Lower	Upper
164	100		
166	122.2	103.6	155.4
129	100.6	82.7	124.1
131	96.3	80.5	120.7



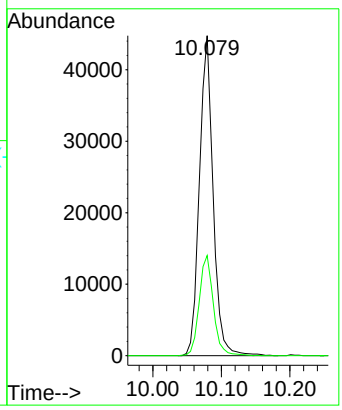


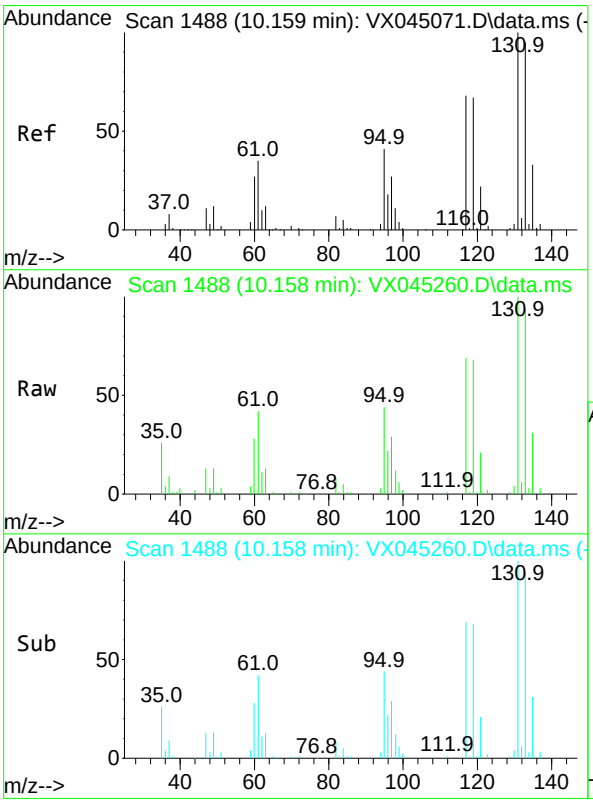
#65
Chlorobenzene
Concen: 19.173 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:112 Resp: 62379

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

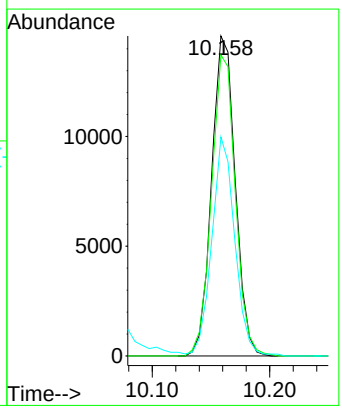


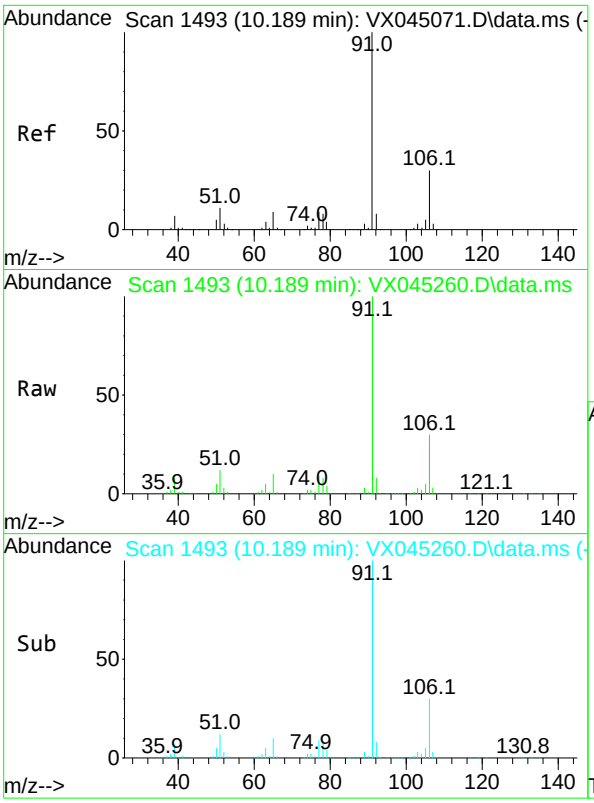


#66
1,1,1,2-Tetrachloroethane
Concen: 18.776 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:131 Resp: 20344

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.6	145.9
119	66.7	33.9	101.7



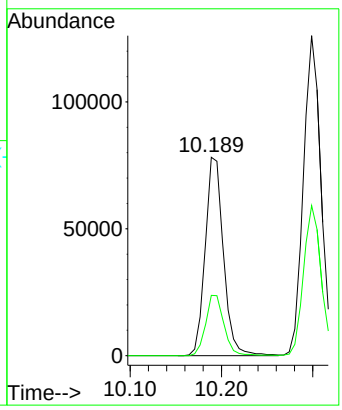


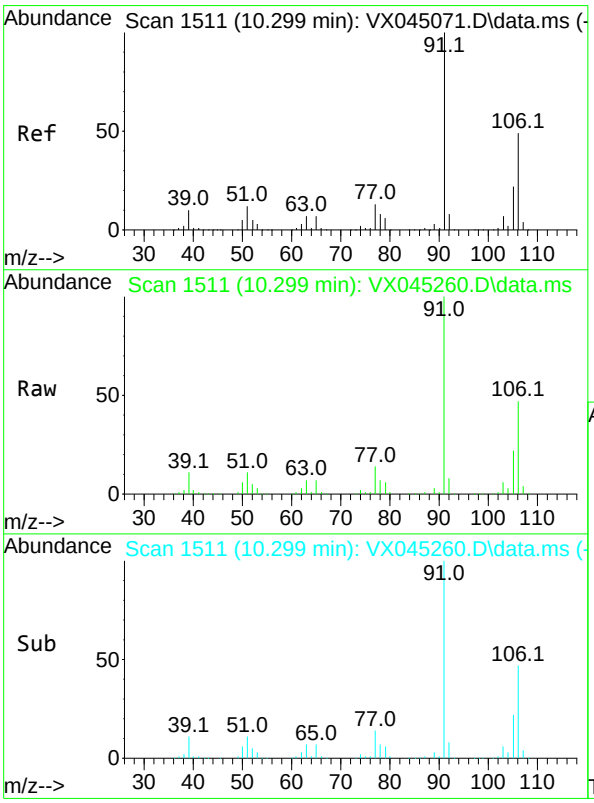
#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 91 Resp: 108318

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

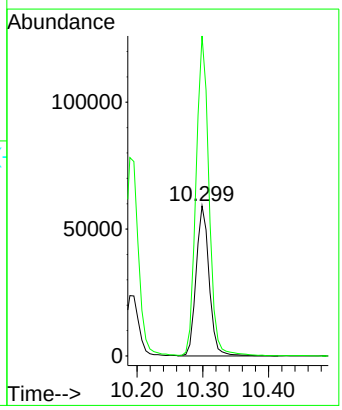


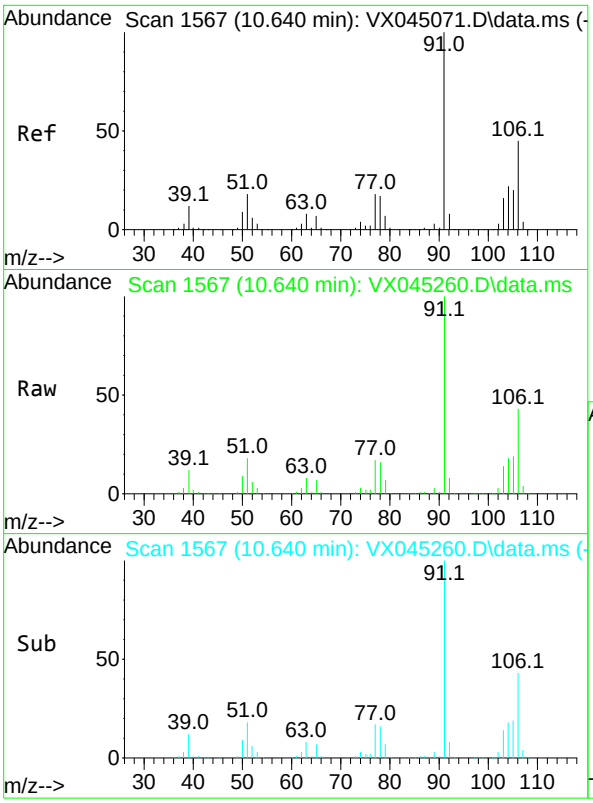


#68
m/p-Xylenes
Concen: 39.097 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:106 Resp: 81139

Ion	Ratio	Lower	Upper
106	100		
91	211.6	165.4	248.0



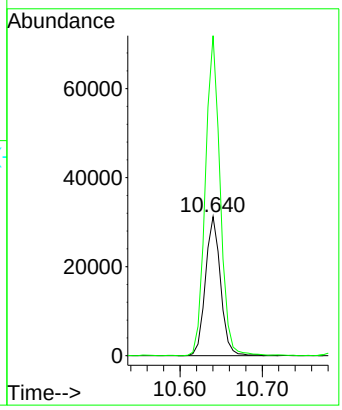


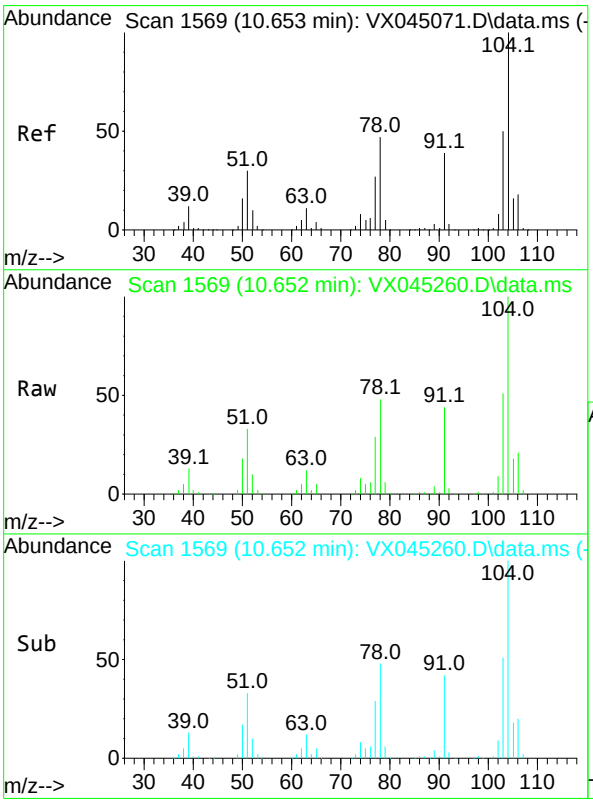
#69
o-Xylene
Concen: 19.011 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:106 Resp: 39791

Ion	Ratio	Lower	Upper
106	100		
91	225.9	109.9	329.6

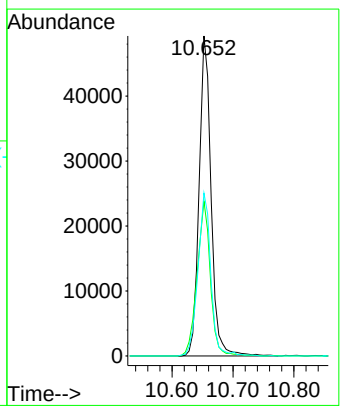


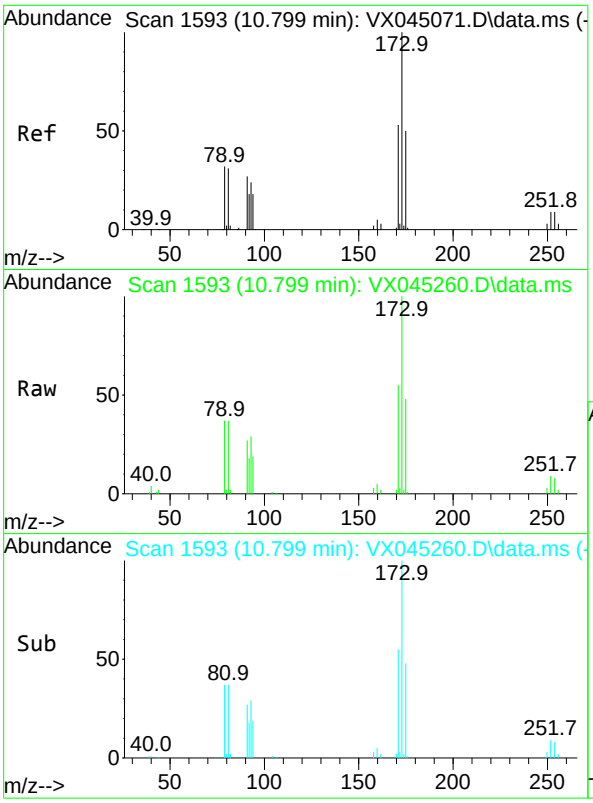


#70
Styrene
Concen: 19.885 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:104 Resp: 67344

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	54.9	43.8	65.8



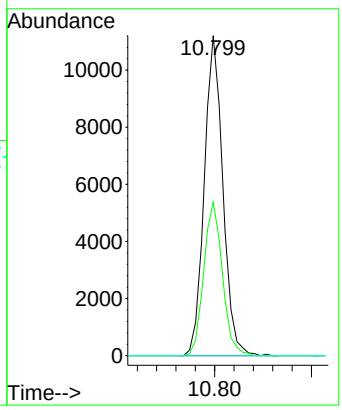


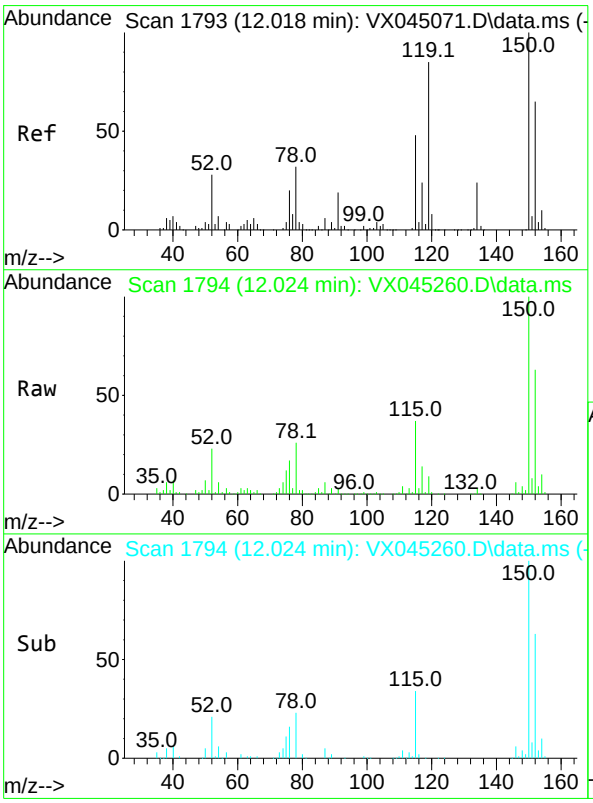
#71
Bromoform
Concen: 18.326 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:173 Resp: 14973

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

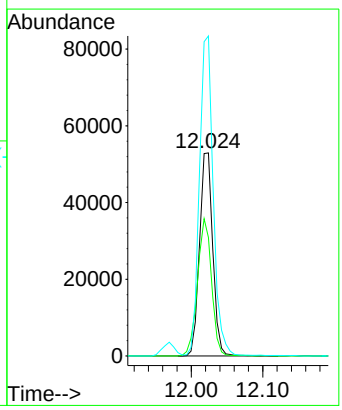


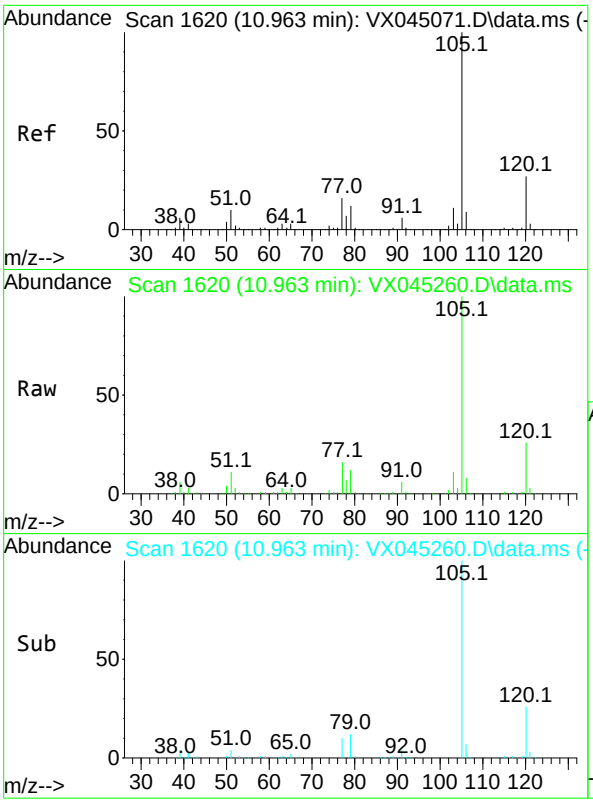


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:152 Resp: 68175

Ion	Ratio	Lower	Upper
152	100		
115	71.3	44.2	132.6
150	163.4	0.0	349.0



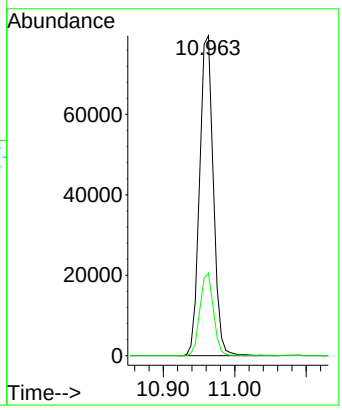


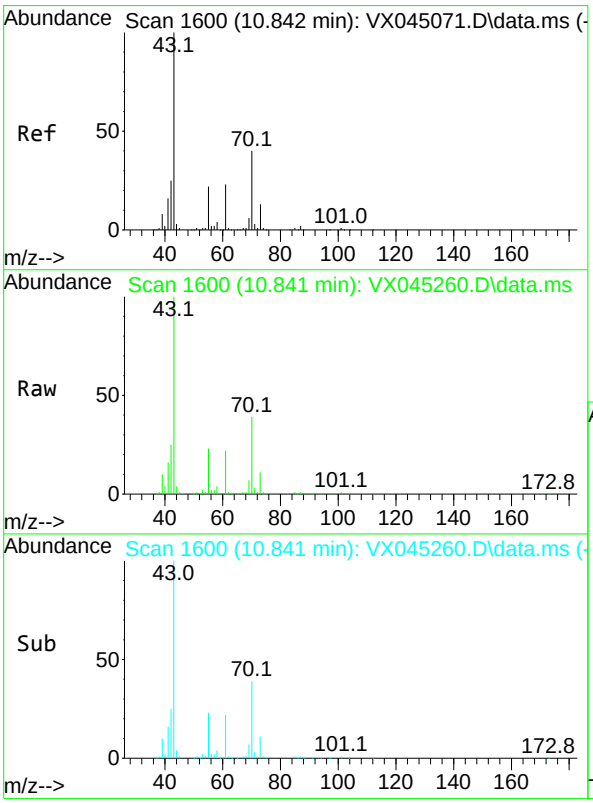
#73
Isopropylbenzene
Concen: 19.989 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:105 Resp: 106368

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5

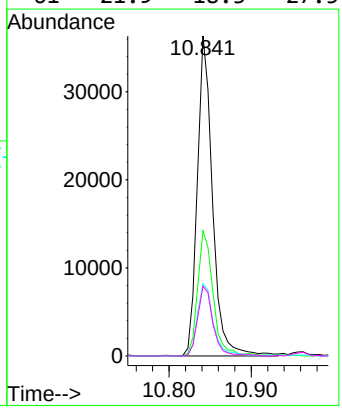


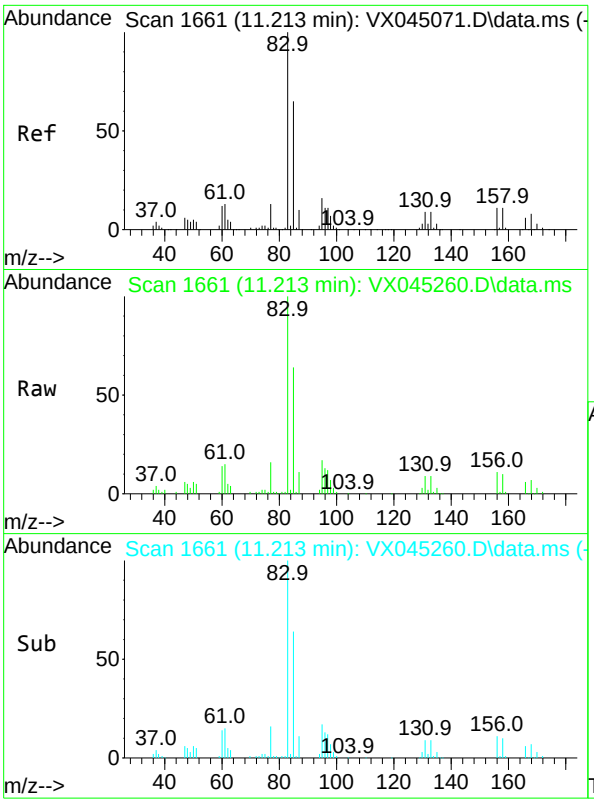


#74
N-amyl acetate
Concen: 18.765 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 43 Resp: 46854

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	23.6	18.3	27.5
61	21.9	18.3	27.5



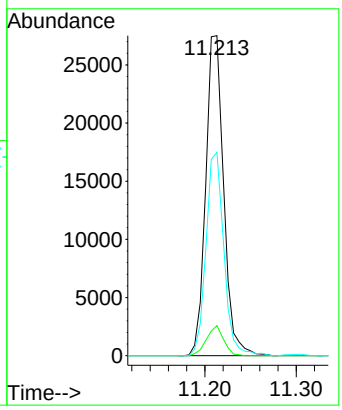


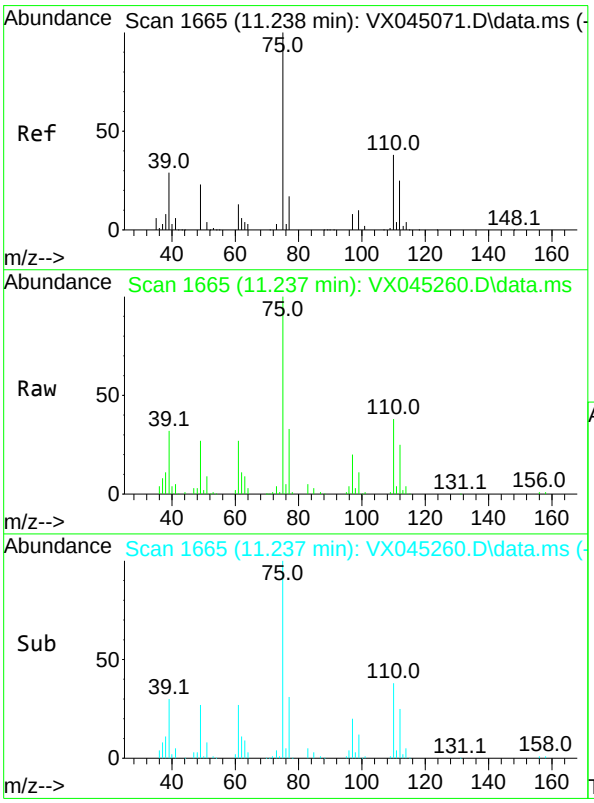
#75
1,1,2,2-Tetrachloroethane
Concen: 19.255 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 83 Resp: 37599

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.2	31.7	95.1

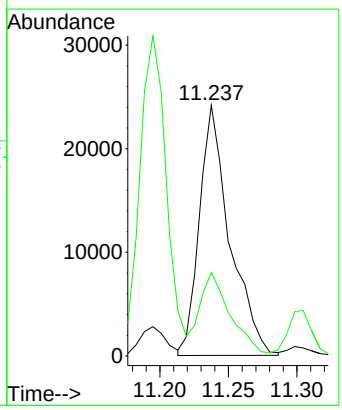


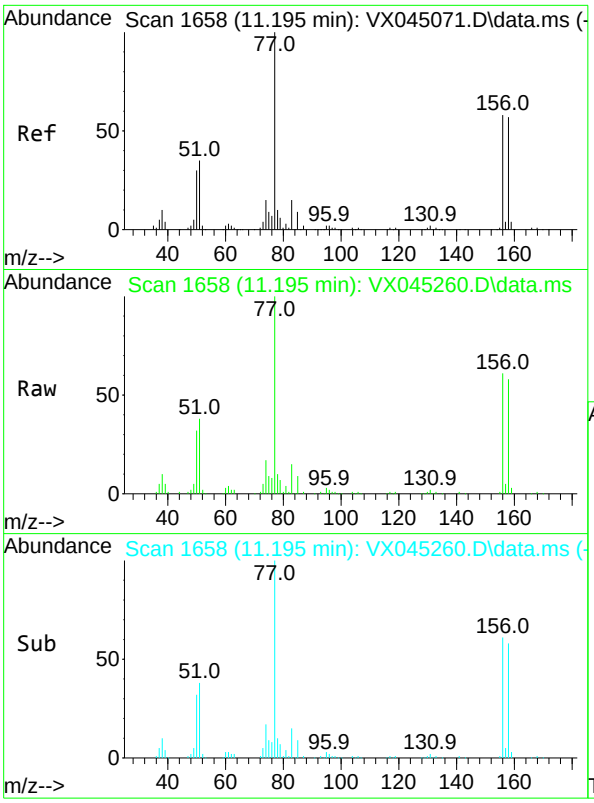


#76
1,2,3-Trichloropropane
Concen: 23.492 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 37277

Ion	Ratio	Lower	Upper
75	100		
77	33.7	20.7	62.1



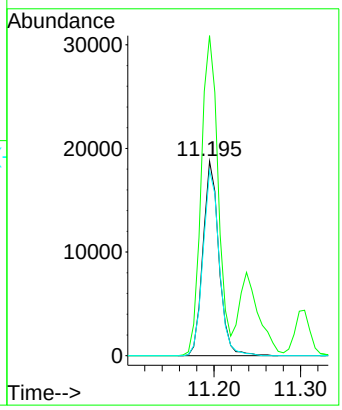


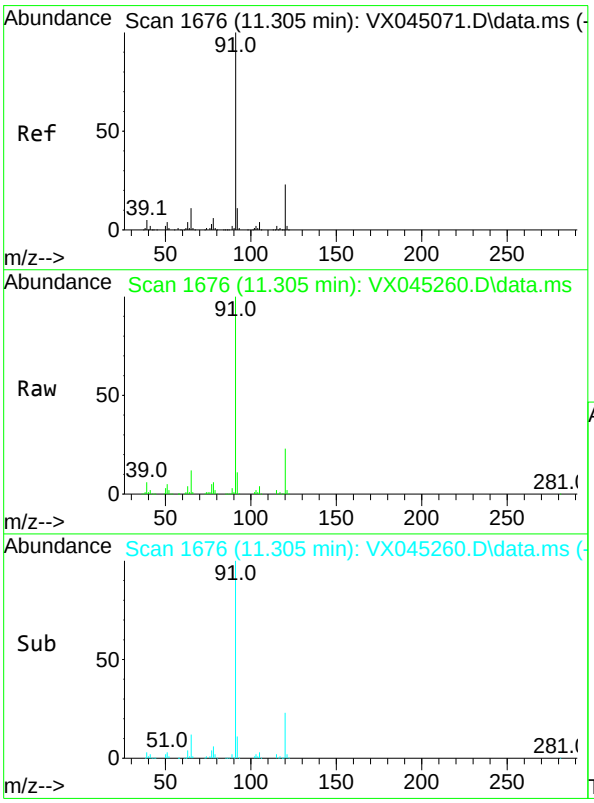
#77
Bromobenzene
Concen: 19.142 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:156 Resp: 24033

Ion	Ratio	Lower	Upper
156	100		
77	174.5	85.8	257.4
158	96.8	48.4	145.2

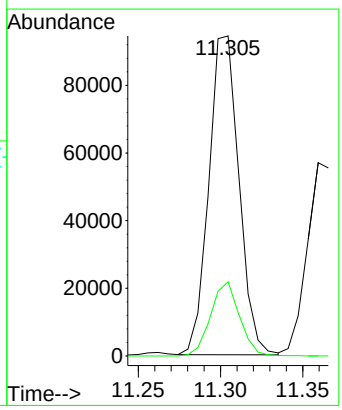


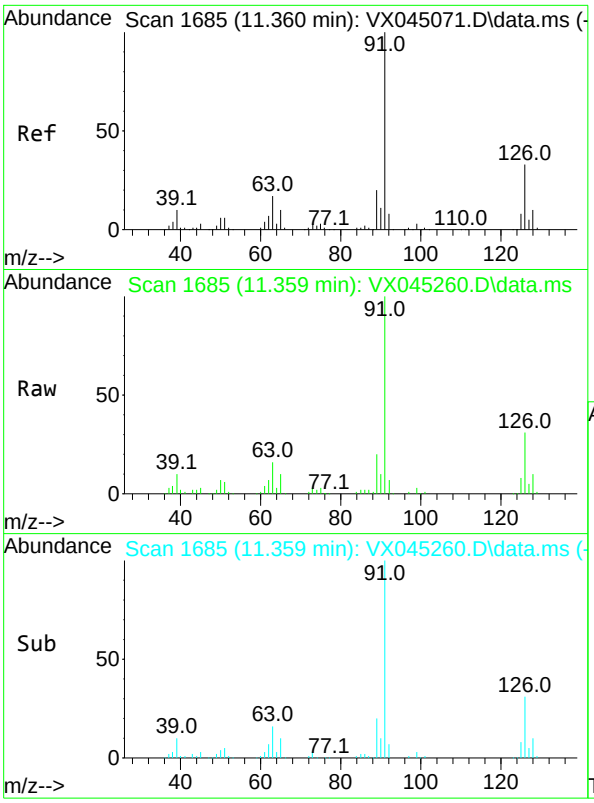


#78
n-propylbenzene
Concen: 19.967 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 120022

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



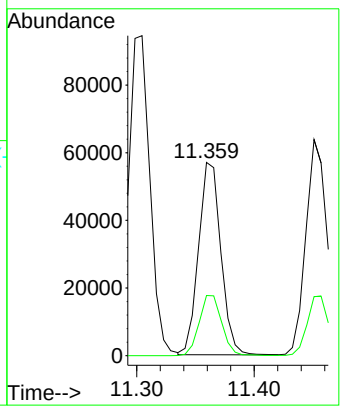


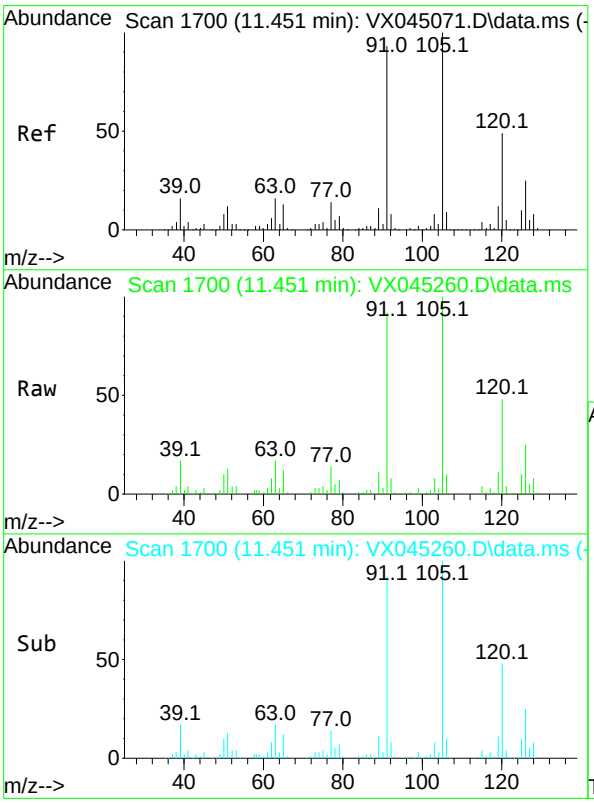
#79
2-Chlorotoluene
Concen: 19.625 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 91 Resp: 75127

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4

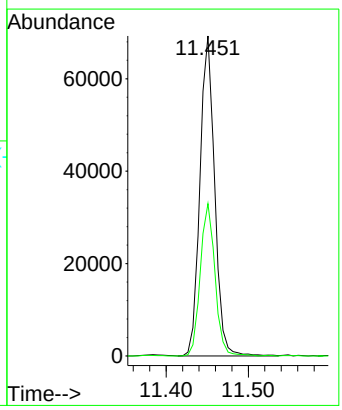


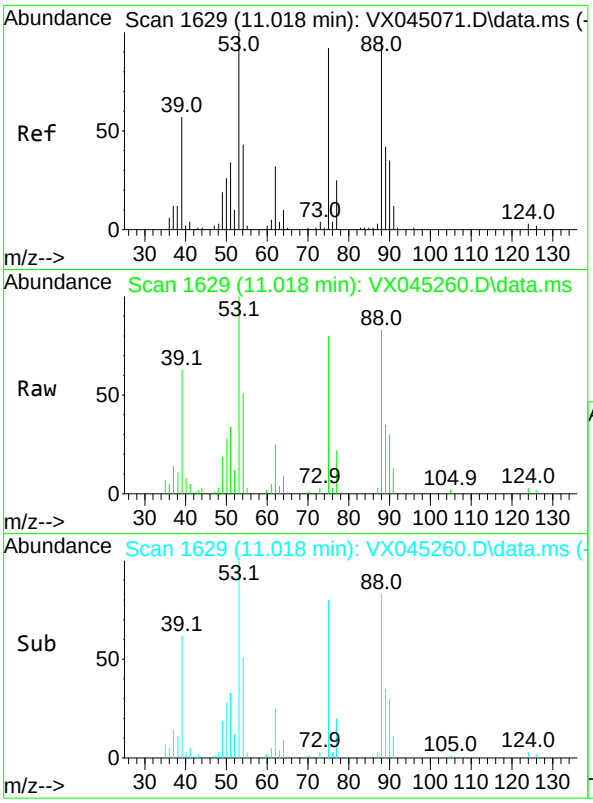


#80
1,3,5-Trimethylbenzene
Concen: 20.039 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:105 Resp: 86221

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2



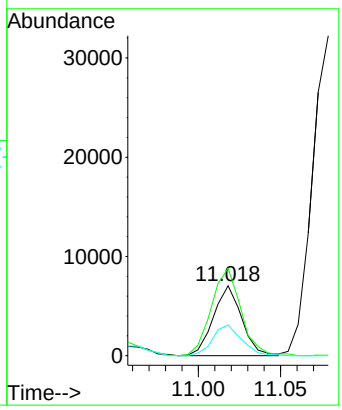


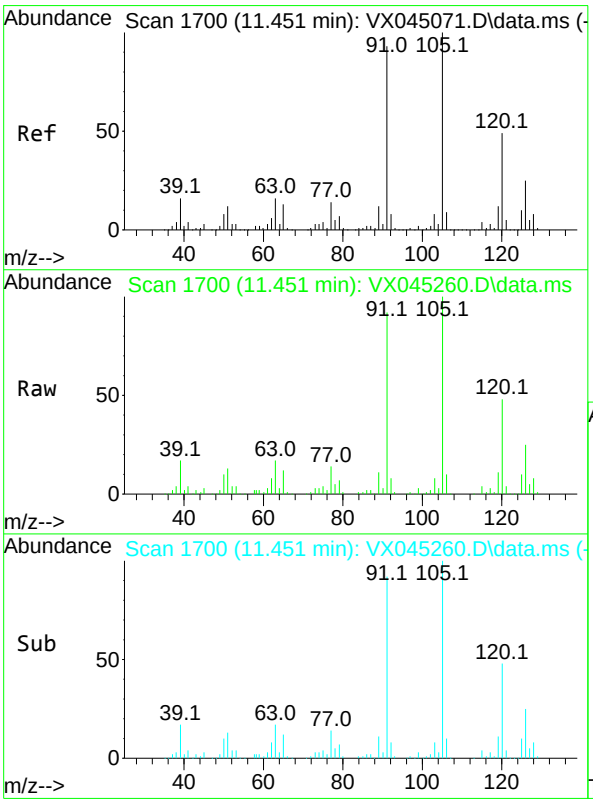
#81
trans-1,4-Dichloro-2-butene
Concen: 18.207 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 75 Resp: 8442

Ion	Ratio	Lower	Upper
75	100		
53	131.2	88.5	132.7
89	45.2	36.2	54.4

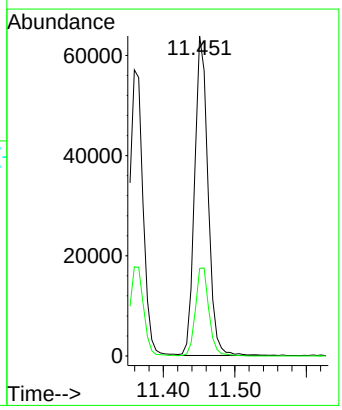


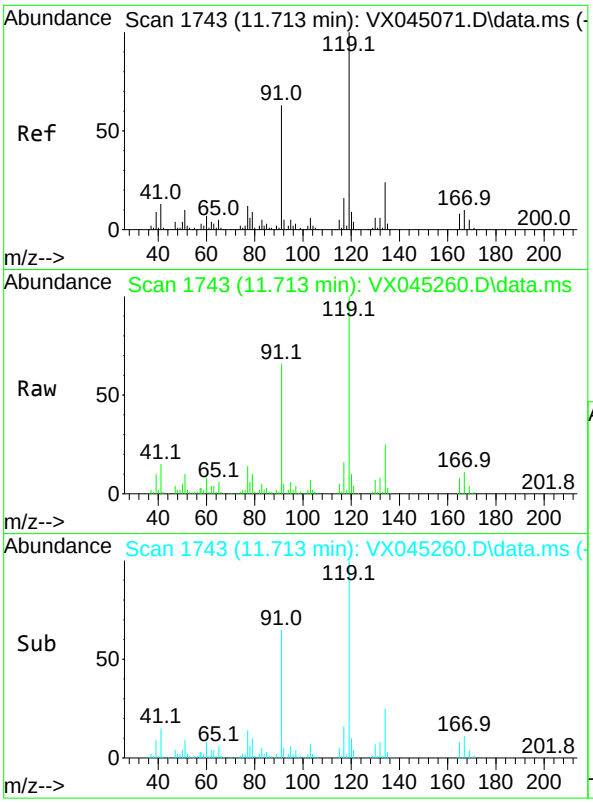


#82
4-Chlorotoluene
Concen: 19.835 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 91 Resp: 82758

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



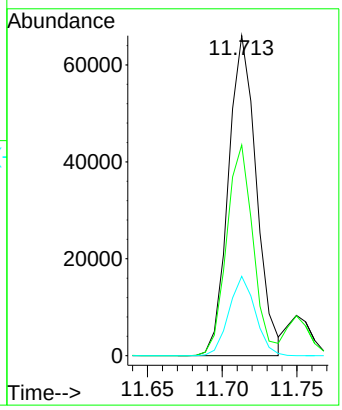


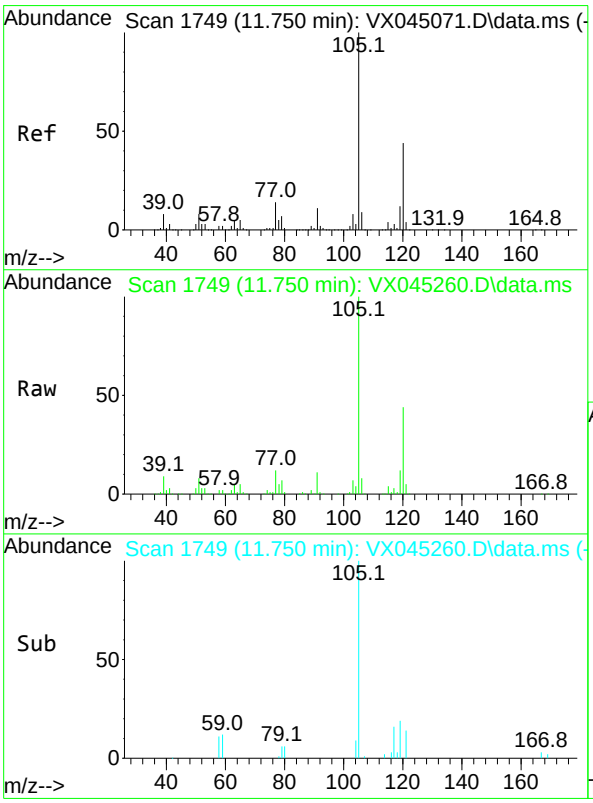
#83
tert-Butylbenzene
Concen: 19.375 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:119 Resp: 85652

Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	23.5	11.7	35.0

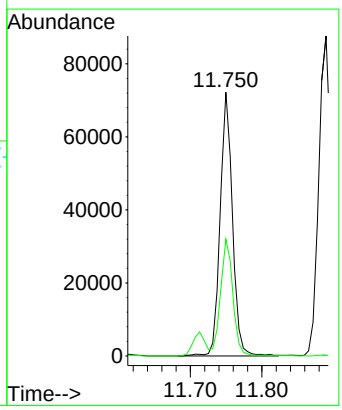


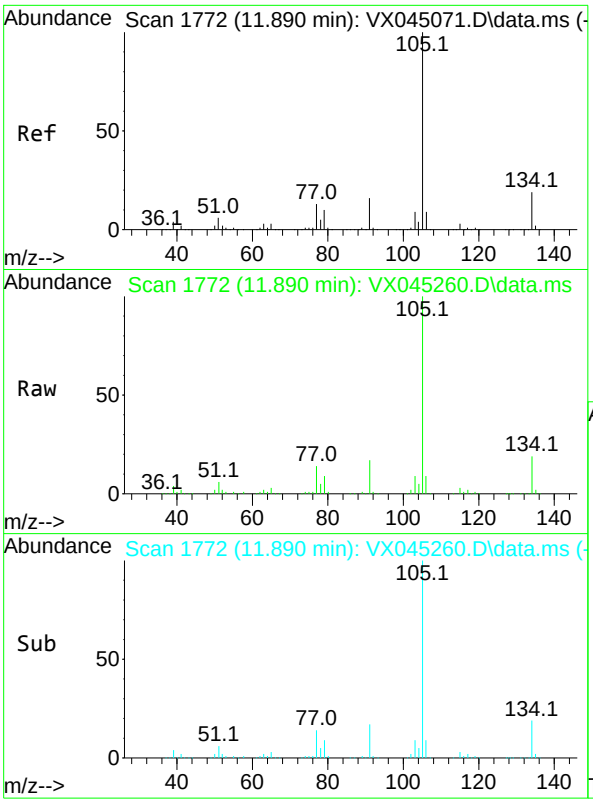


#84
1,2,4-Trimethylbenzene
Concen: 19.988 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:105 Resp: 86535

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



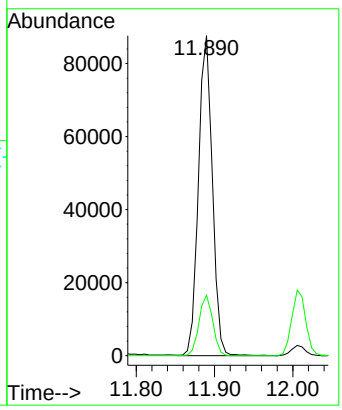


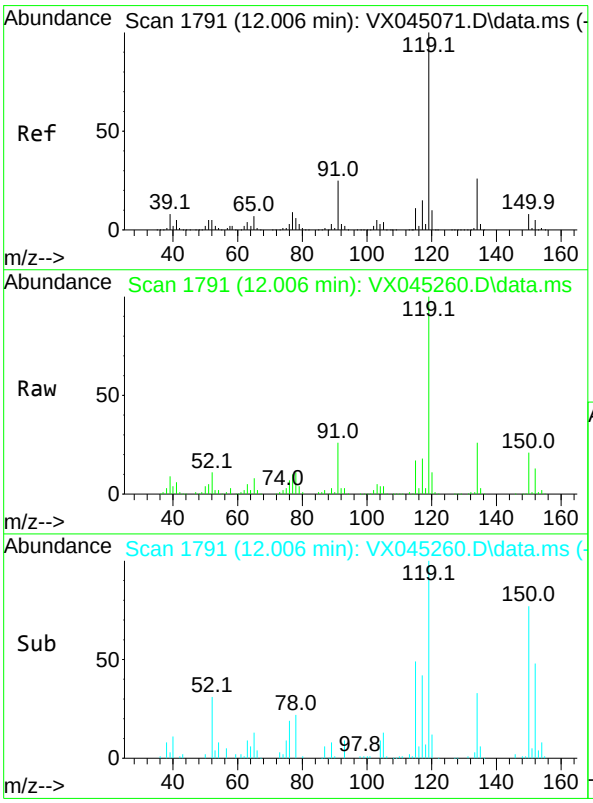
#85
sec-Butylbenzene
Concen: 20.422 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:105 Resp: 108147

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.4

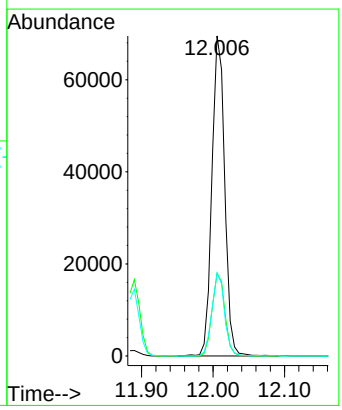


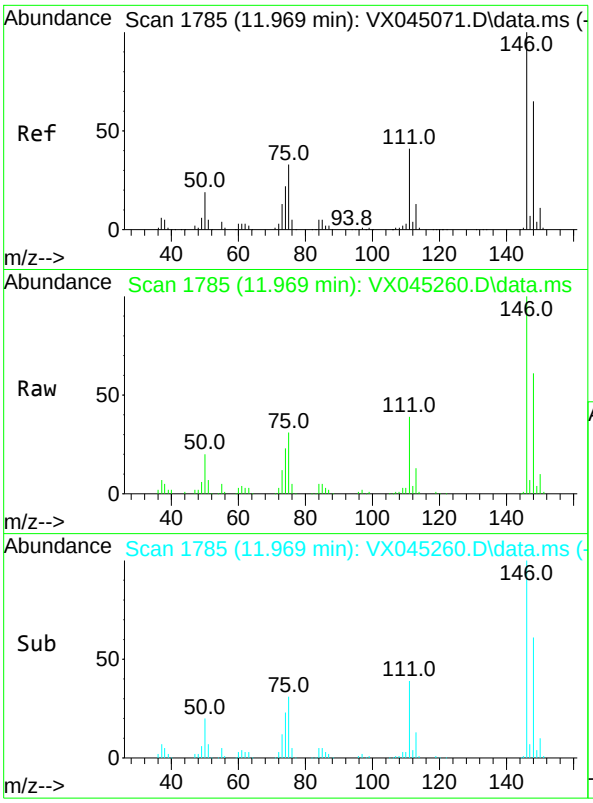


#86
p-Isopropyltoluene
Concen: 20.120 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:119 Resp: 86107

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.7	12.7	38.0



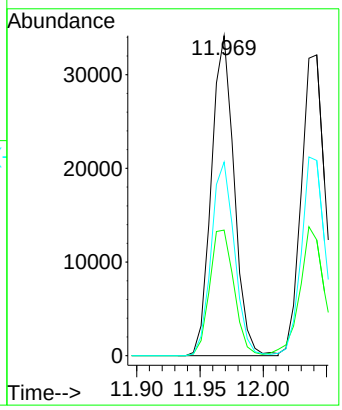


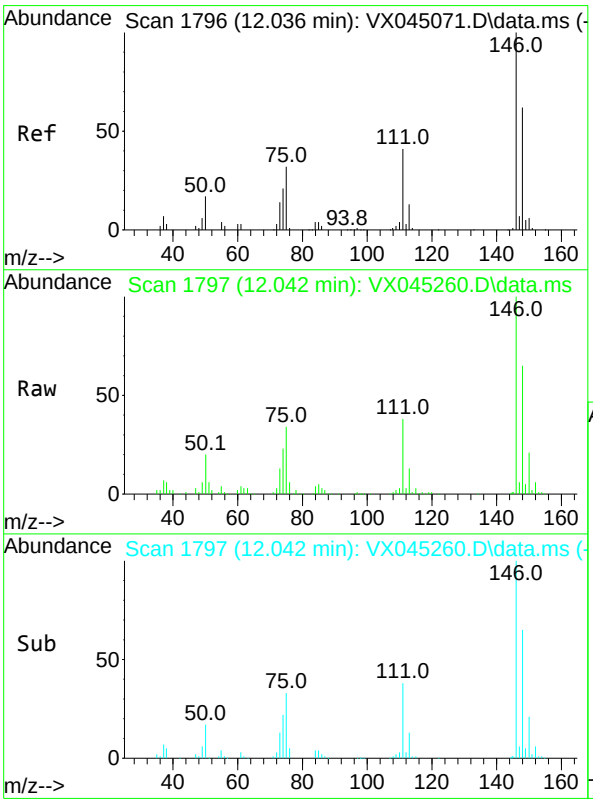
#87
1,3-Dichlorobenzene
Concen: 19.108 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:146 Resp: 42798

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	61.7	31.9	95.7

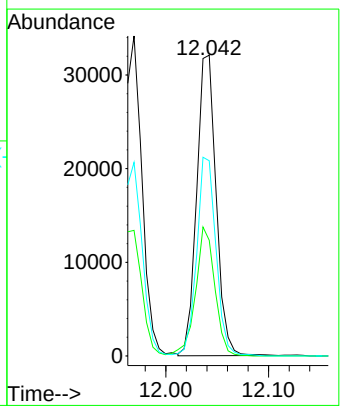


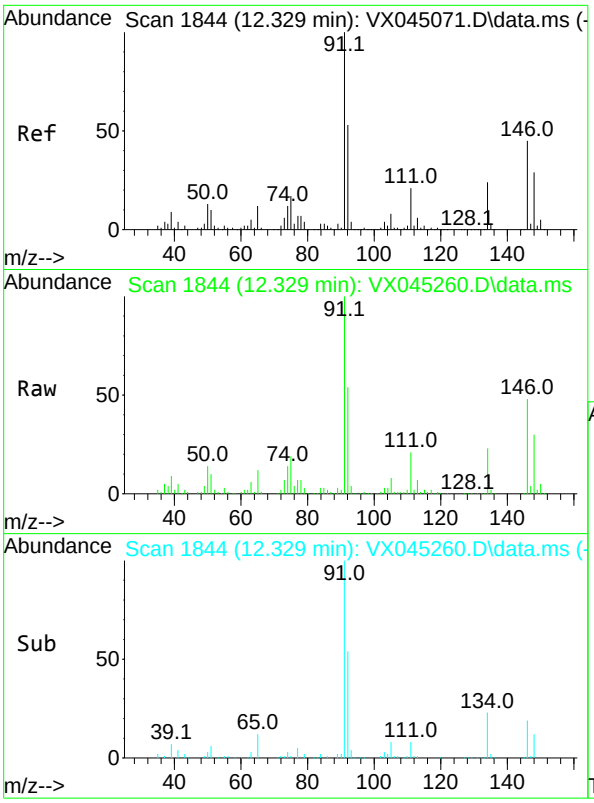


#88
1,4-Dichlorobenzene
Concen: 18.649 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:146 Resp: 42258

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	65.8	31.9	95.9



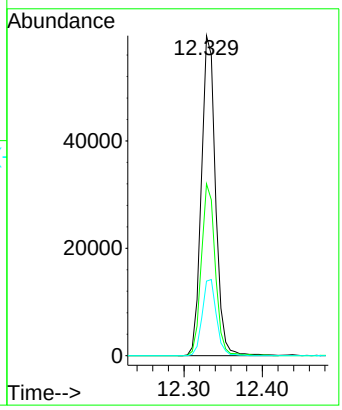


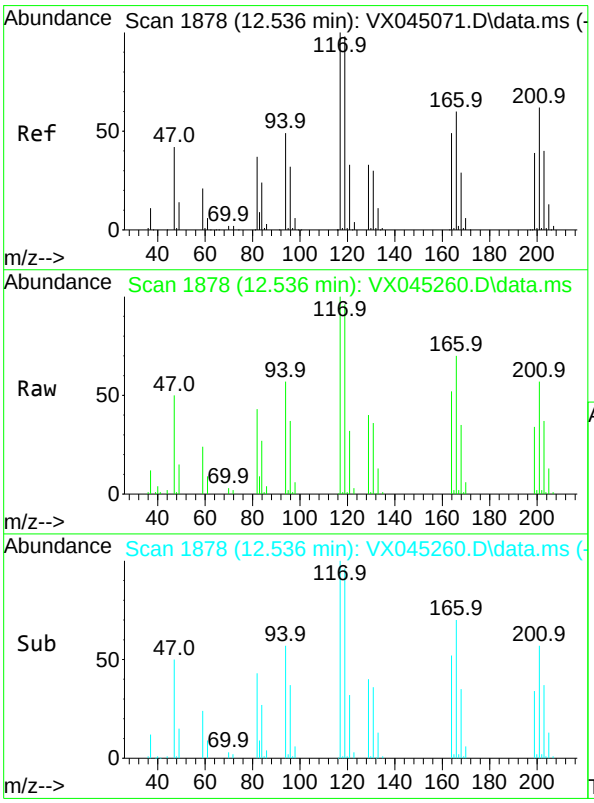
#89
n-Butylbenzene
Concen: 20.248 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion: 91 Resp: 74631

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.9	12.2	36.6

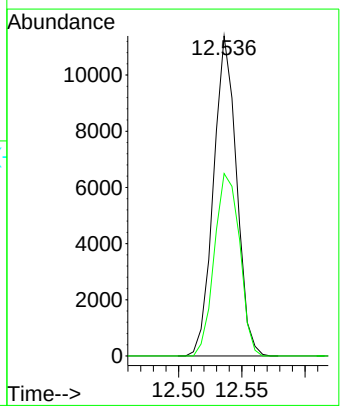


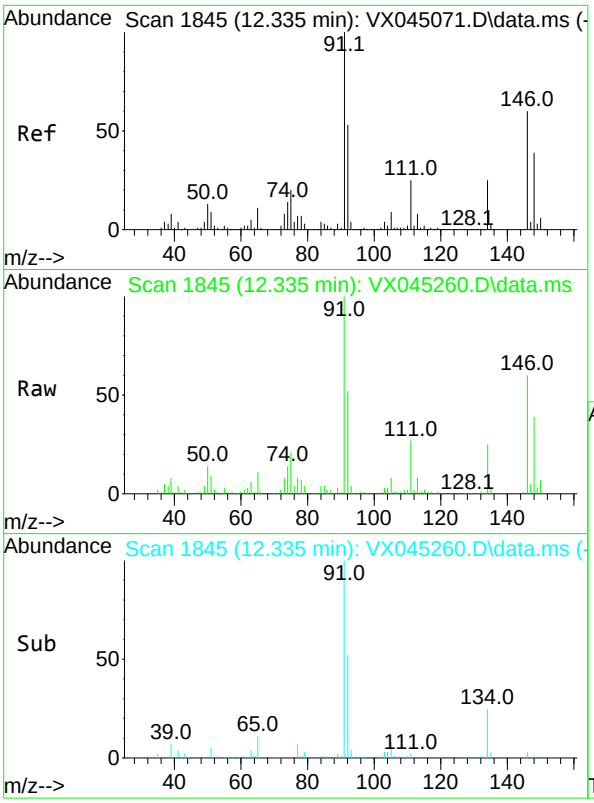


#90
Hexachloroethane
Concen: 18.617 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:117 Resp: 14411

Ion	Ratio	Lower	Upper
117	100		
201	62.6	31.9	95.9



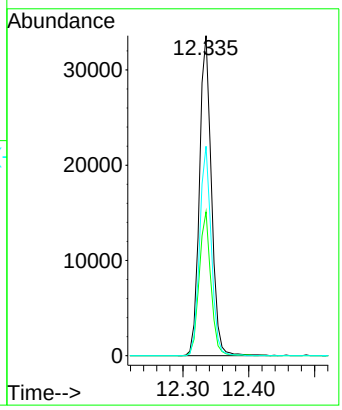


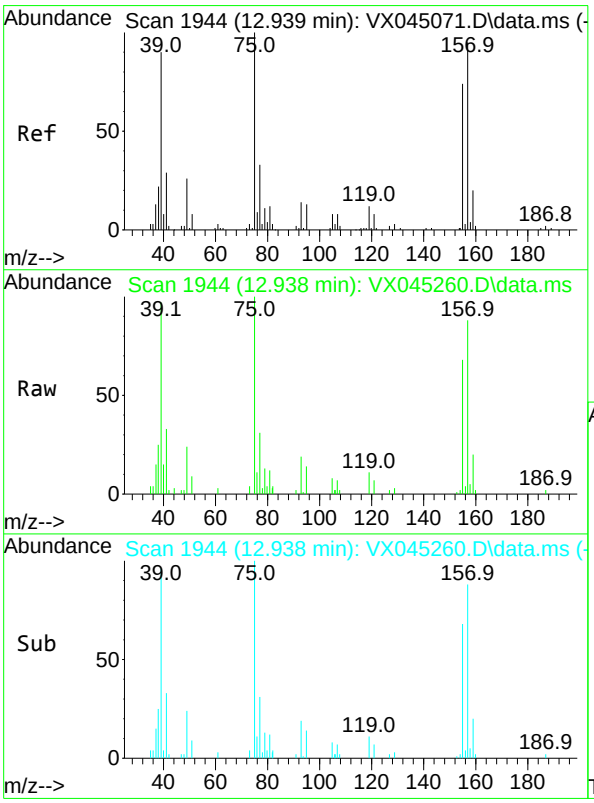
#91
1,2-Dichlorobenzene
Concen: 18.935 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:146 Resp: 42544

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	63.4	31.9	95.9

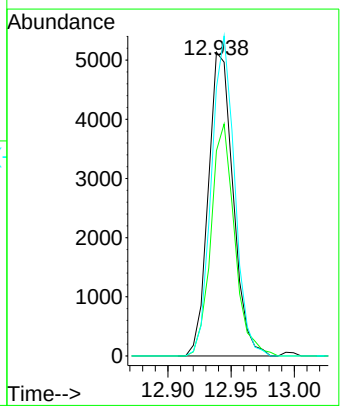


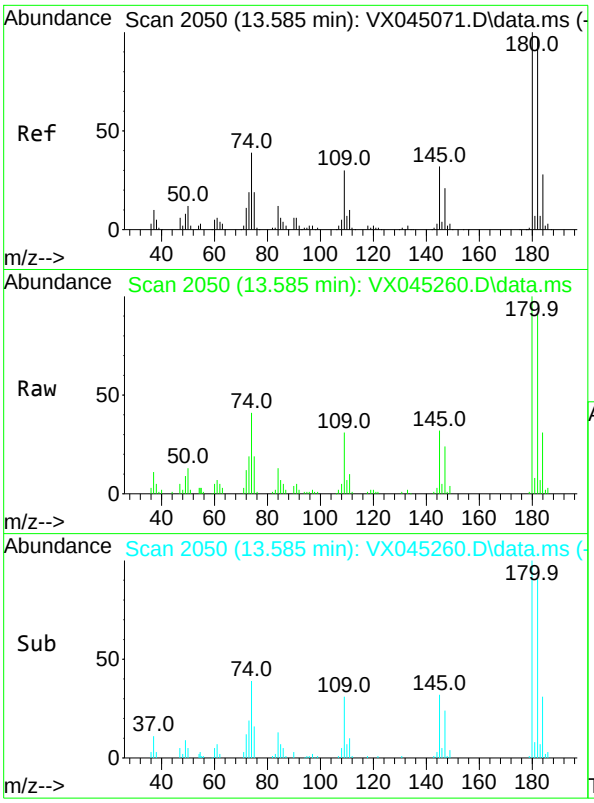


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.385 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion: 75 Resp: 6994

Ion	Ratio	Lower	Upper
75	100		
155	72.8	39.6	118.7
157	98.6	51.1	153.4



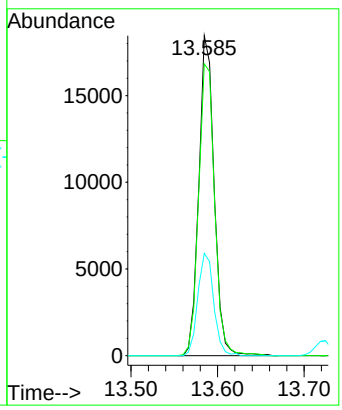


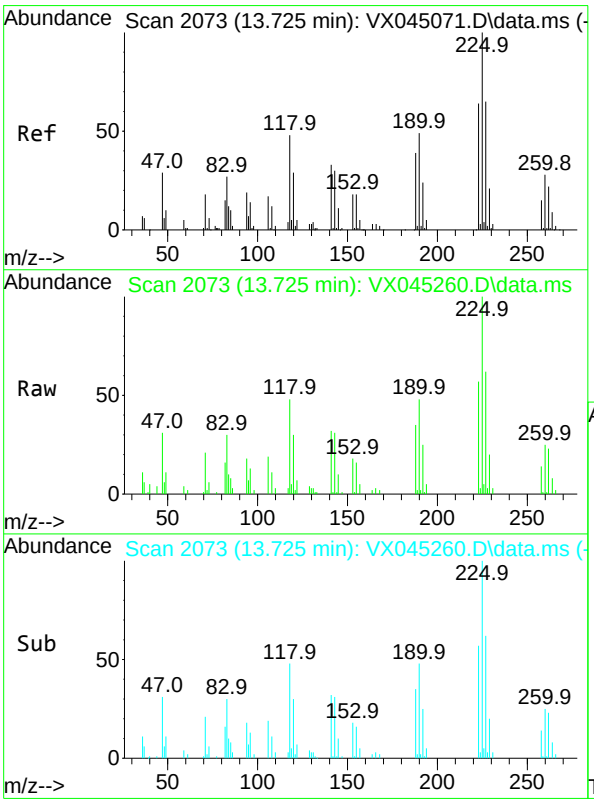
#93
1,2,4-Trichlorobenzene
Concen: 17.762 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:180 Resp: 22724

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.2	16.3	48.9

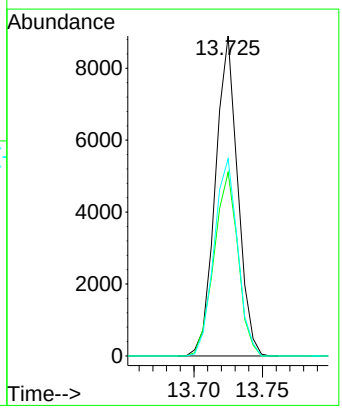


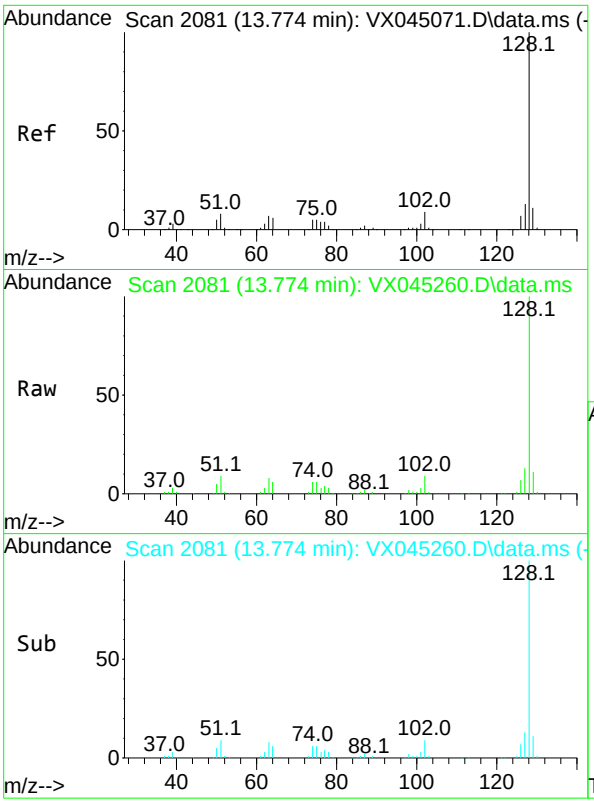


#94
Hexachlorobutadiene
Concen: 19.214 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:225 Resp: 10078

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	65.2	31.4	94.0



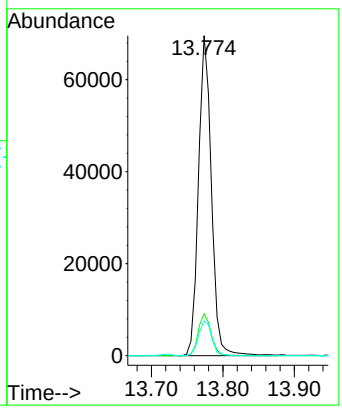


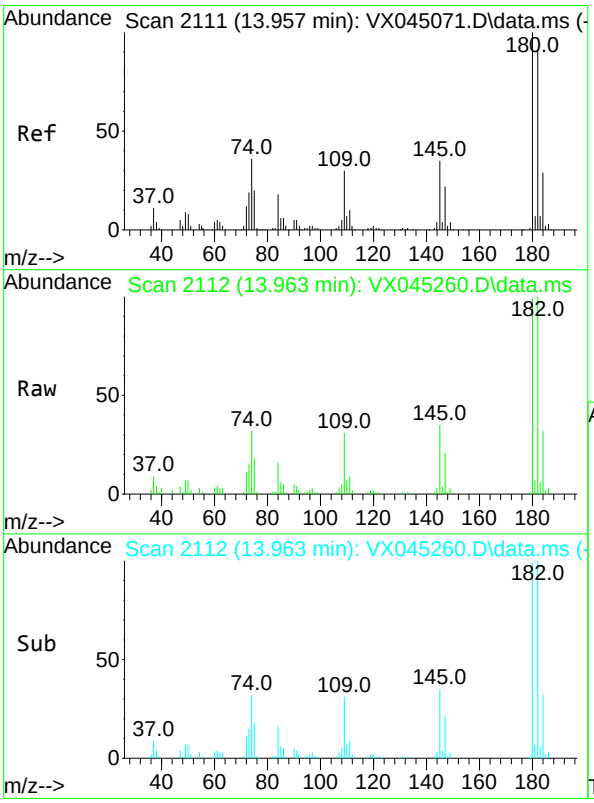
#95
Naphthalene
Concen: 17.744 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tgt Ion:128 Resp: 87220

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

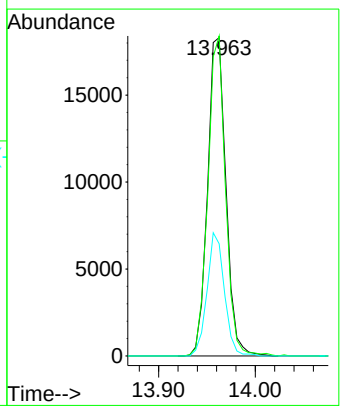




#96
1,2,3-Trichlorobenzene
Concen: 17.939 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045260.D
Acq: 13 Mar 2025 11:38

Tgt Ion:180 Resp: 24211

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	36.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	90235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76581	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.700%			
35) Dibromofluoromethane	5.379	113	56701	53.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	8.647	98	201206	52.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	72484	56.613	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	20301	17.873	ug/l	91
3) Chloromethane	1.301	50	23917	17.206	ug/l	98
4) Vinyl Chloride	1.374	62	21513	15.601	ug/l	97
5) Bromomethane	1.593	94	9644	17.791	ug/l	87
6) Chloroethane	1.666	64	12745	20.038	ug/l	99
7) Trichlorofluoromethane	1.874	101	32751	17.941	ug/l	99
8) Diethyl Ether	2.130	74	11857	16.606	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	20760	19.795	ug/l	96
10) Methyl Iodide	2.441	142	24155	18.430	ug/l	96
11) Tert butyl alcohol	2.977	59	22771	83.756	ug/l	99
12) 1,1-Dichloroethene	2.307	96	19452	17.543	ug/l	99
13) Acrolein	2.233	56	19534	62.155	ug/l	97
14) Allyl chloride	2.654	41	37358	18.928	ug/l	97
15) Acrylonitrile	3.063	53	71162	97.663	ug/l	100
16) Acetone	2.386	43	63364	95.149	ug/l	98
17) Carbon Disulfide	2.502	76	44925	15.212	ug/l	98
18) Methyl Acetate	2.703	43	36043	22.498	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69631	18.718	ug/l	99
20) Methylene Chloride	2.782	84	23869	18.094	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20303	18.535	ug/l	94
22) Diisopropyl ether	3.764	45	75557	18.823	ug/l	97
23) Vinyl Acetate	3.721	43	318966	95.221	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40880	18.172	ug/l	96
25) 2-Butanone	4.562	43	98953	98.715	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27045	25.631	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	24962	18.460	ug/l	94
28) Bromochloromethane	4.891	49	22946	21.400	ug/l	99
29) Tetrahydrofuran	5.007	42	63444	94.247	ug/l	98
30) Chloroform	5.087	83	42319	18.933	ug/l	97
31) Cyclohexane	5.465	56	36088	18.480	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	33599	18.611	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27375	18.730	ug/l	99
37) Ethyl Acetate	4.715	43	34779	18.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	28609	19.280	ug/l	98
39) Methylcyclohexane	7.373	83	34346	19.611	ug/l	96
40) Benzene	6.032	78	87643	18.989	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21190	20.808	ug/l		98
42) 1,2-Dichloroethane	6.086	62	34127	20.534	ug/l		98
43) Isopropyl Acetate	6.336	43	54500	19.569	ug/l		99
44) Trichloroethene	7.123	130	20397	18.821	ug/l		96
45) 1,2-Dichloropropane	7.428	63	22742	19.165	ug/l		100
46) Dibromomethane	7.580	93	17018	20.290	ug/l		97
47) Bromodichloromethane	7.818	83	32932	20.017	ug/l		96
48) Methyl methacrylate	7.690	41	27898	19.967	ug/l		97
49) 1,4-Dioxane	7.665	88	10531	357.320	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	198103	105.941	ug/l		99
52) Toluene	8.714	92	53476	19.748	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	27245	19.809	ug/l		93
54) cis-1,3-Dichloropropene	8.360	75	32757	20.424	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	22565	20.241	ug/l		97
56) Ethyl methacrylate	9.116	69	34656	20.451	ug/l		96
57) 1,3-Dichloropropane	9.305	76	38745	20.083	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	82405	99.689	ug/l		99
59) 2-Hexanone	9.427	43	141915	104.746	ug/l		100
60) Dibromochloromethane	9.519	129	23618	20.262	ug/l		100
61) 1,2-Dibromoethane	9.610	107	22237	19.981	ug/l		99
64) Tetrachloroethene	9.269	164	17838	19.334	ug/l		98
65) Chlorobenzene	10.080	112	58039	19.041	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	18837	18.557	ug/l		98
67) Ethyl Benzene	10.189	91	101078	19.031	ug/l		98
68) m/p-Xylenes	10.299	106	76506	39.349	ug/l		99
69) o-Xylene	10.640	106	38094	19.426	ug/l		98
70) Styrene	10.653	104	63529	20.022	ug/l		100
71) Bromoform	10.799	173	14594	19.065	ug/l	#	100
73) Isopropylbenzene	10.957	105	98112	19.159	ug/l		100
74) N-amyl acetate	10.842	43	45833	19.074	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36279	19.306	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	35425	23.199	ug/l		91
77) Bromobenzene	11.195	156	23186	19.190	ug/l		99
78) n-propylbenzene	11.299	91	113653	19.647	ug/l		100
79) 2-Chlorotoluene	11.360	91	69432	18.847	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	81812	19.758	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	18.059	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	80408	20.026	ug/l		98
83) tert-Butylbenzene	11.713	119	81780	19.222	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82575	19.820	ug/l		98
85) sec-Butylbenzene	11.890	105	103663	20.341	ug/l		99
86) p-Isopropyltoluene	12.006	119	84197	20.444	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41164	19.098	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	40874	18.744	ug/l		97
89) n-Butylbenzene	12.329	91	73393	20.691	ug/l		99
90) Hexachloroethane	12.536	117	13812	18.541	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	42723	19.759	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6848	18.705	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	23419	19.022	ug/l		99
94) Hexachlorobutadiene	13.719	225	9734	19.285	ug/l		97
95) Naphthalene	13.774	128	88047	18.614	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24920	19.187	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

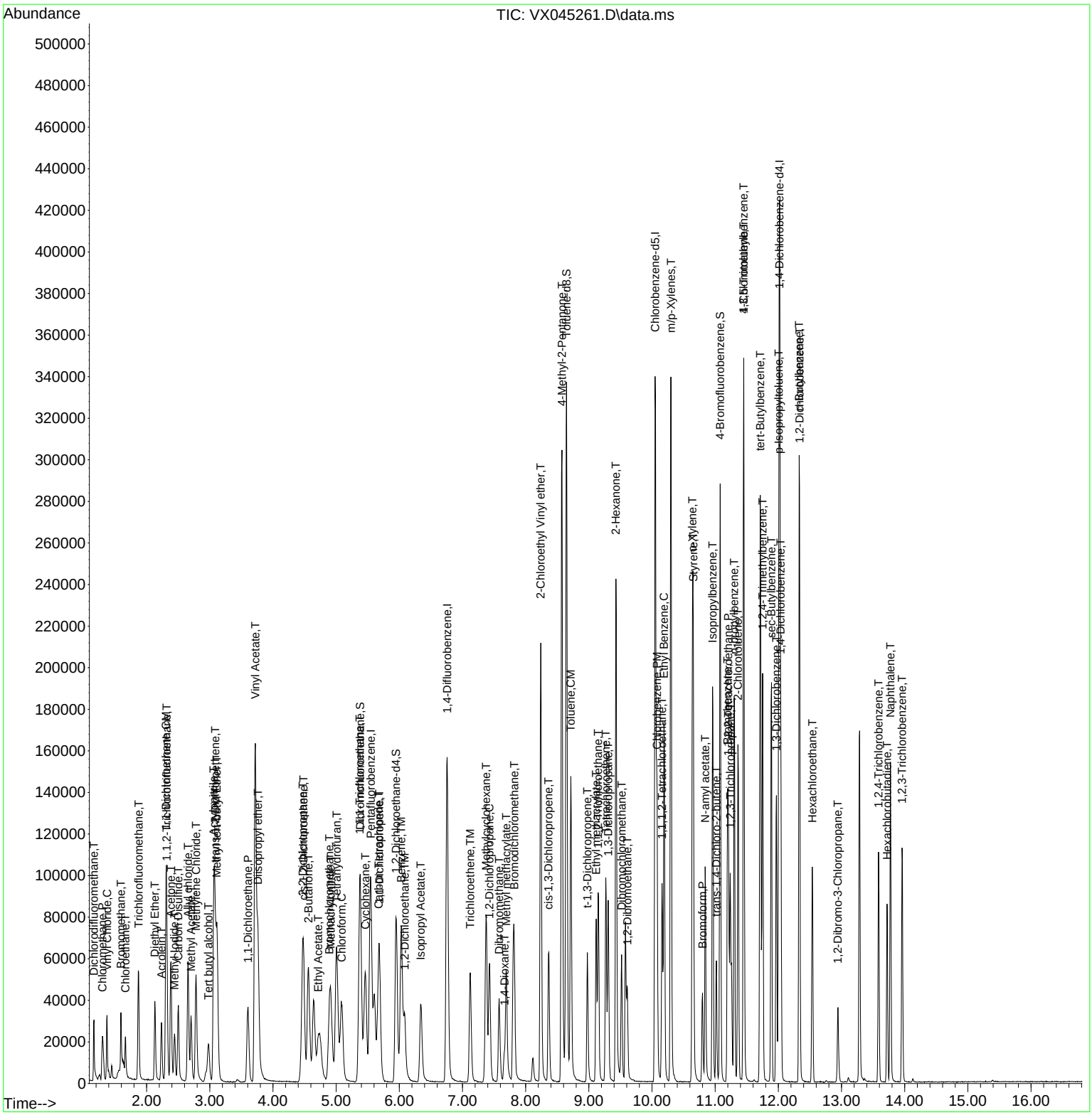
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

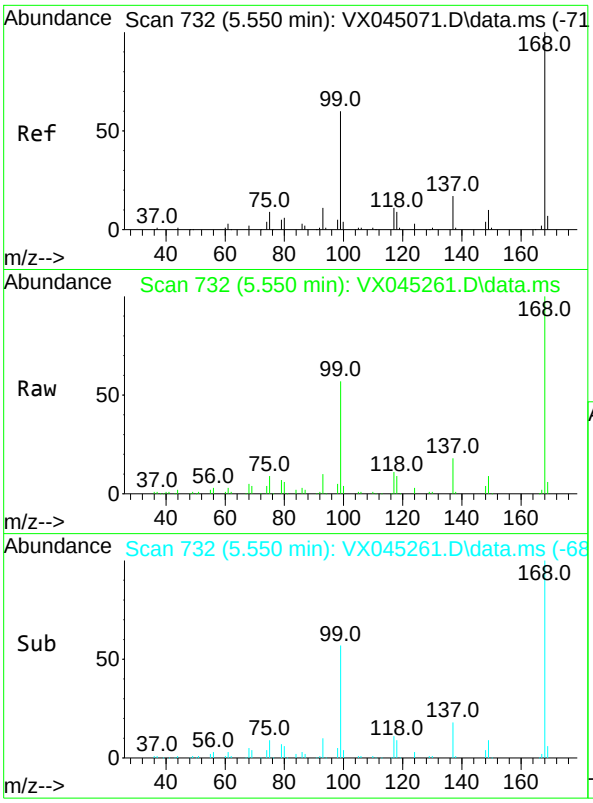
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



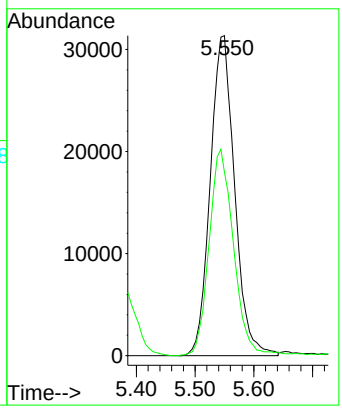


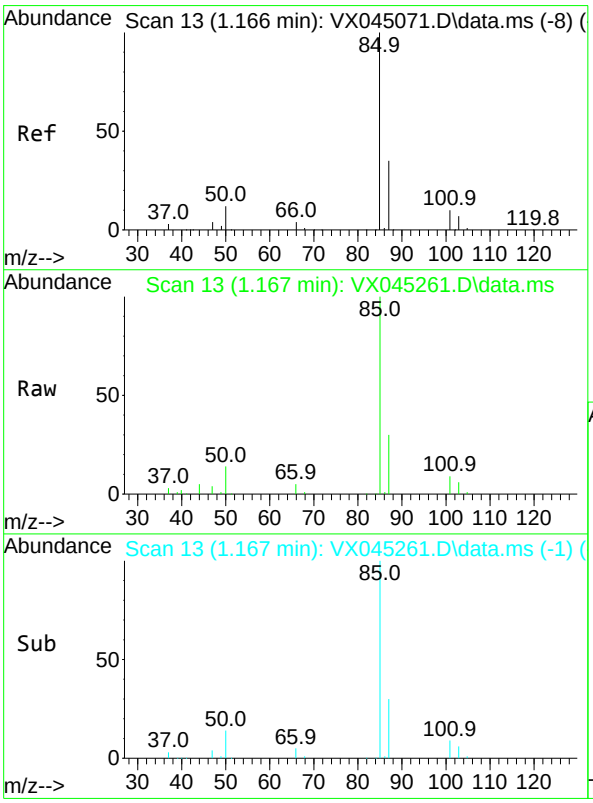
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:168 Resp: 90235

Ion	Ratio	Lower	Upper
168	100		
99	57.3	48.2	72.4

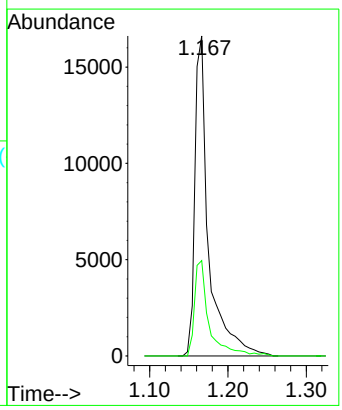


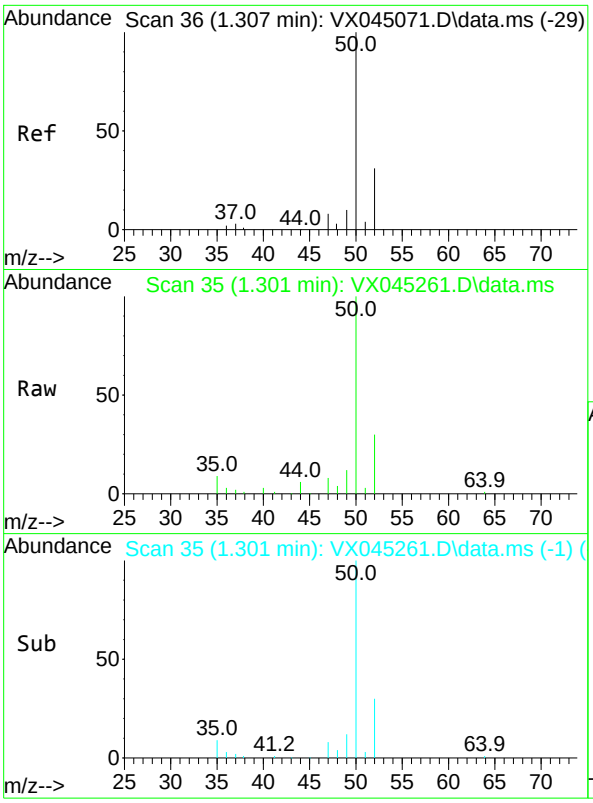


#2
Dichlorodifluoromethane
Concen: 17.873 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 85 Resp: 20301

Ion	Ratio	Lower	Upper
85	100		
87	29.8	17.4	52.3



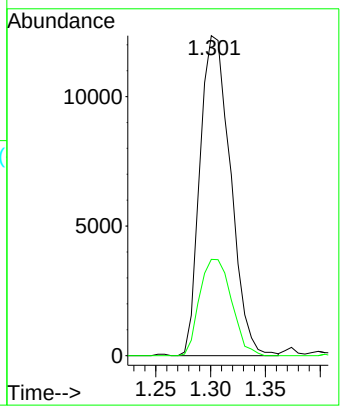


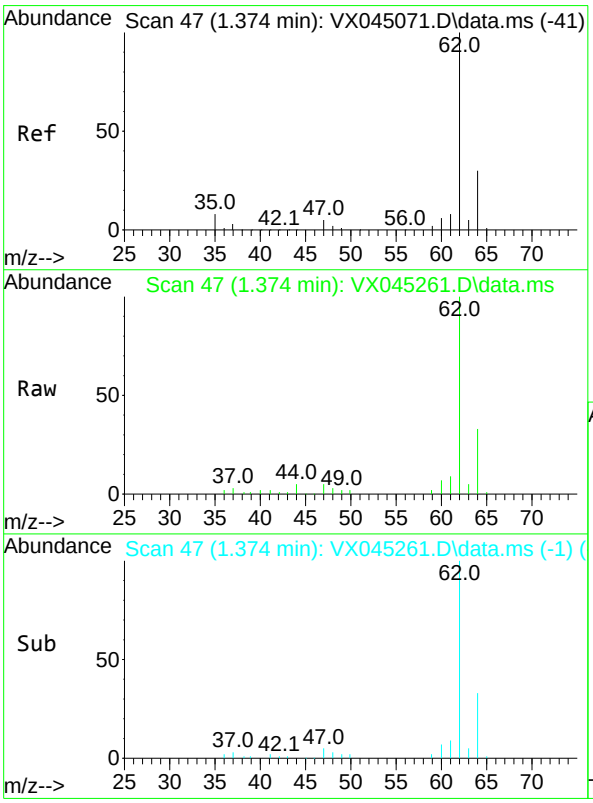
#3
Chloromethane
Concen: 17.206 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 50 Resp: 23917

Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.0	37.4

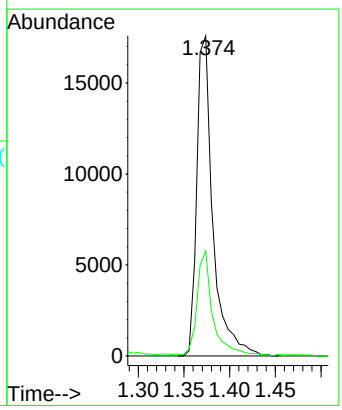


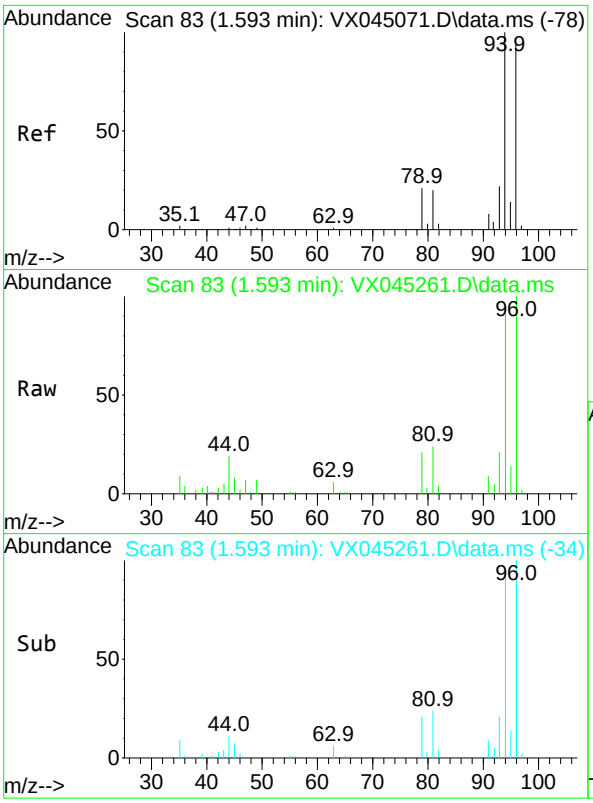


#4
Vinyl Chloride
Concen: 15.601 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 62 Resp: 21513

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



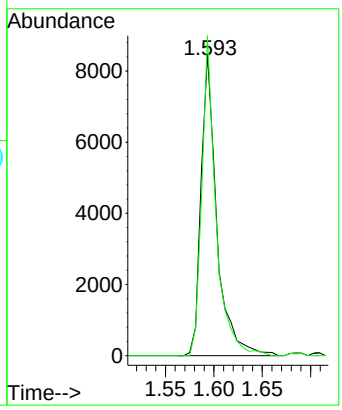


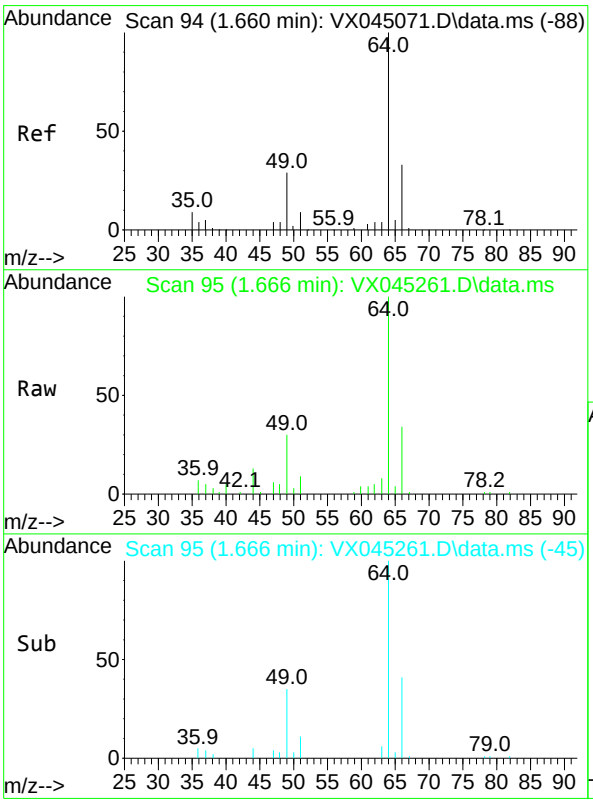
#5
Bromomethane
Concen: 17.791 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 94 Resp: 9644

Ion	Ratio	Lower	Upper
94	100		
96	106.3	75.0	112.4

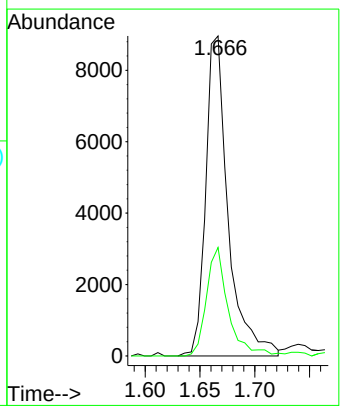


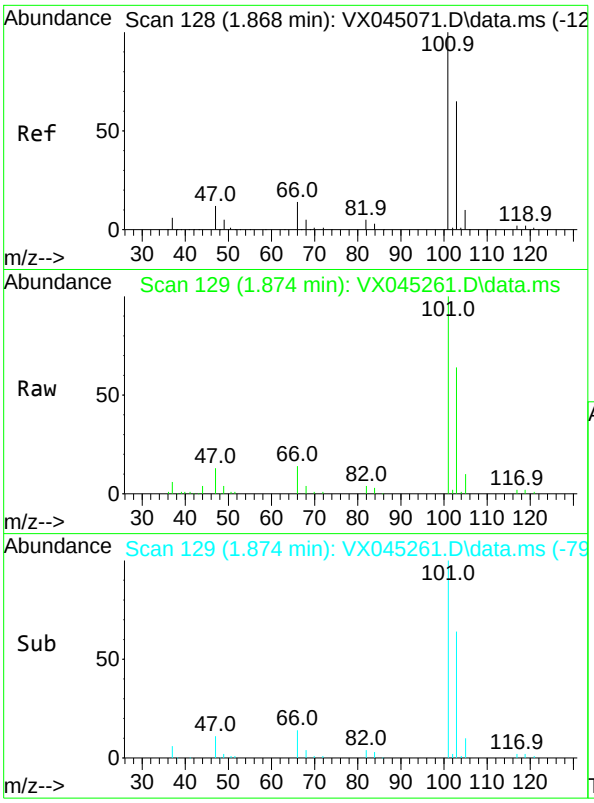


#6
Chloroethane
Concen: 20.038 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 64 Resp: 12745

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.7	40.1



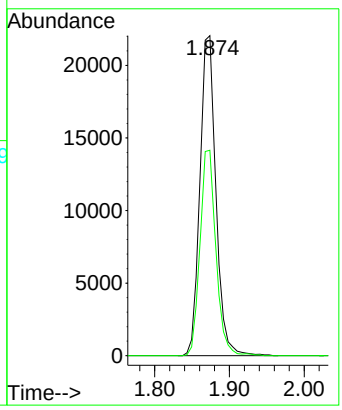


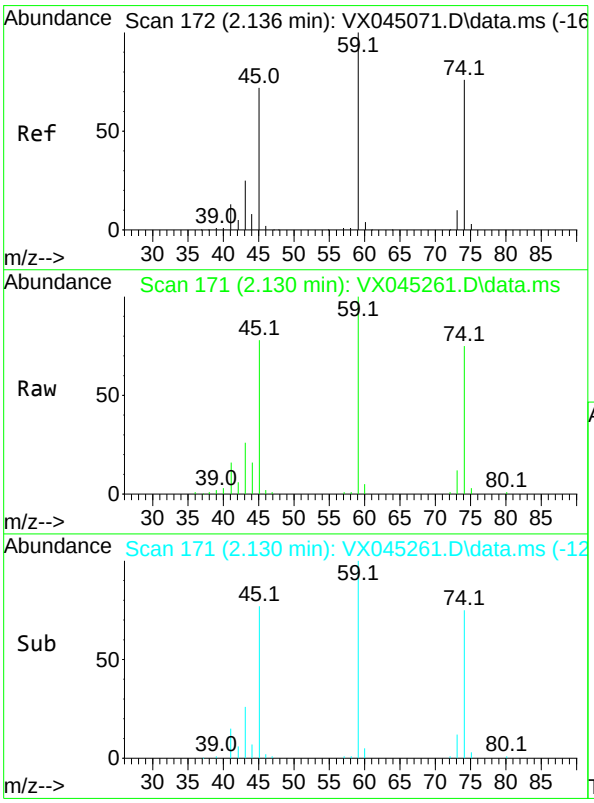
#7
Trichlorofluoromethane
Concen: 17.941 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:101 Resp: 32751

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

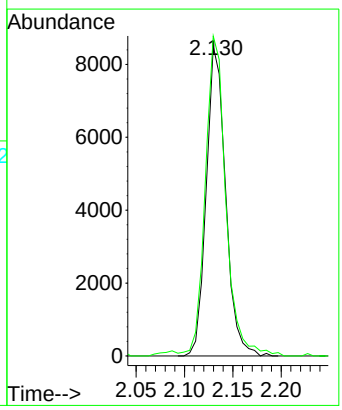


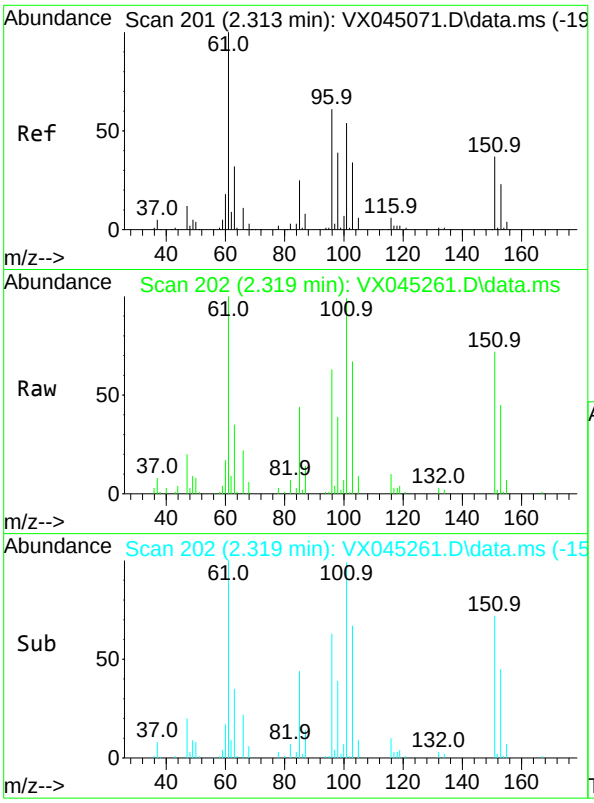


#8
Diethyl Ether
Concen: 16.606 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 74 Resp: 11857

Ion	Ratio	Lower	Upper
74	100		
45	109.3	51.5	154.5



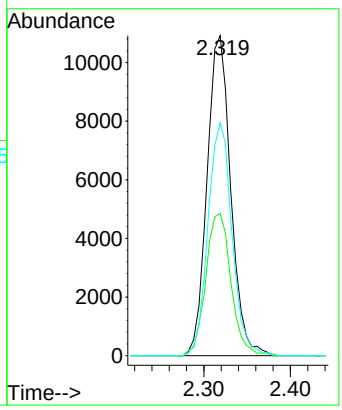


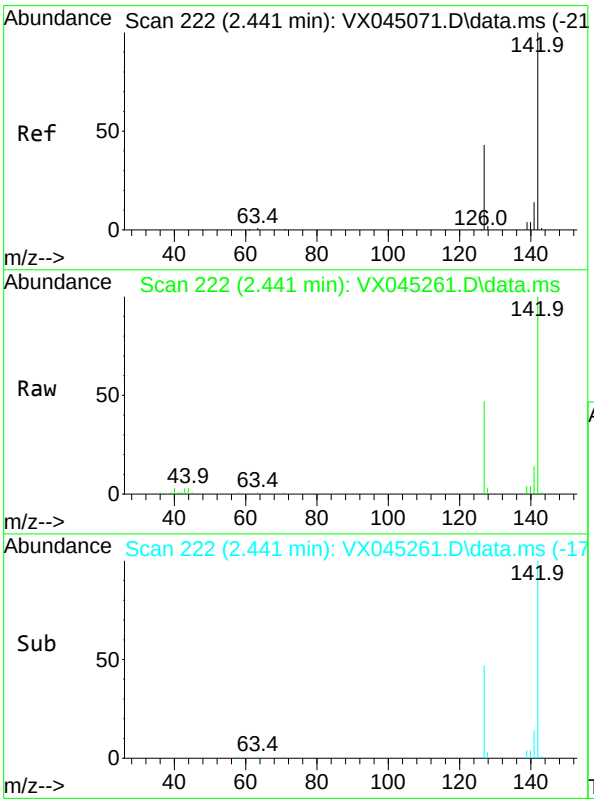
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.795 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:101 Resp: 20760

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	73.8	56.4	84.6

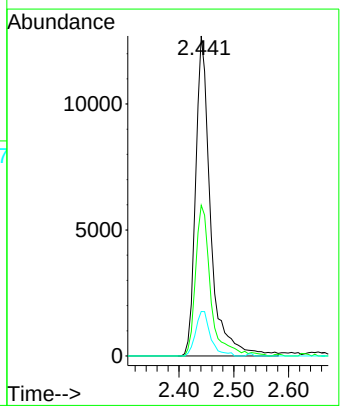


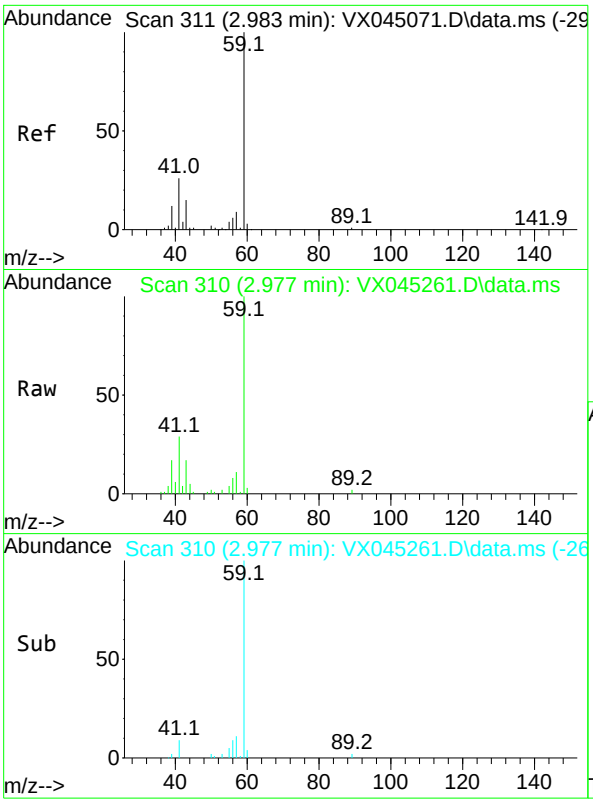


#10
Methyl Iodide
Concen: 18.430 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:142 Resp: 24155

Ion	Ratio	Lower	Upper
142	100		
127	47.7	35.4	53.2
141	13.9	11.6	17.4



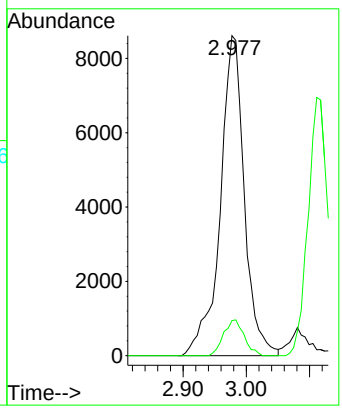


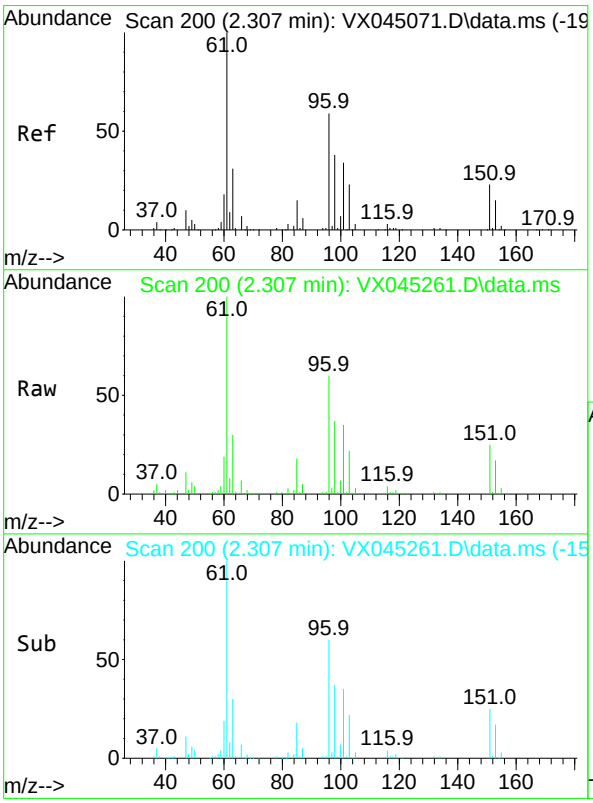
#11
Tert butyl alcohol
Concen: 83.756 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 59 Resp: 22771

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

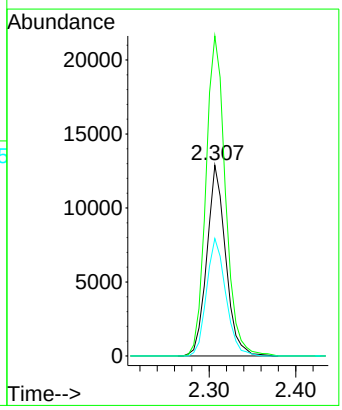


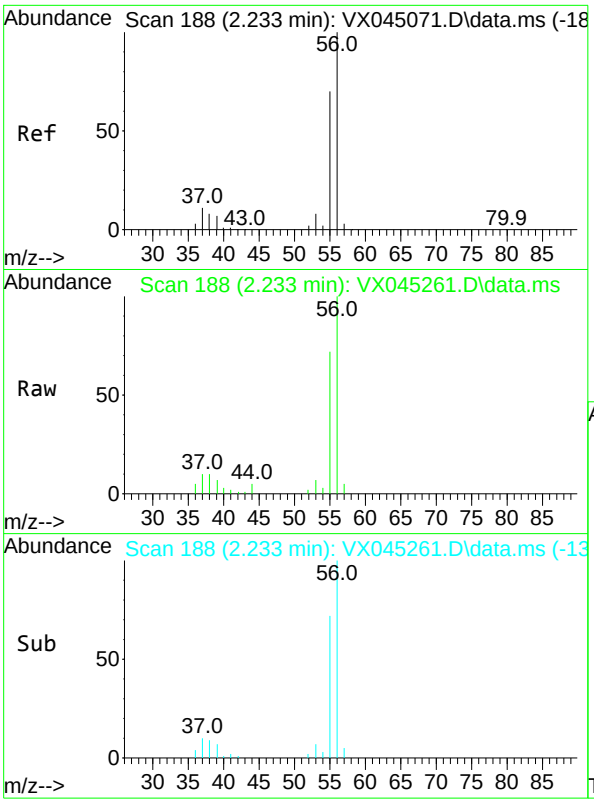


#12
1,1-Dichloroethene
Concen: 17.543 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 96 Resp: 19452

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.6	202.0
98	61.5	51.0	76.6



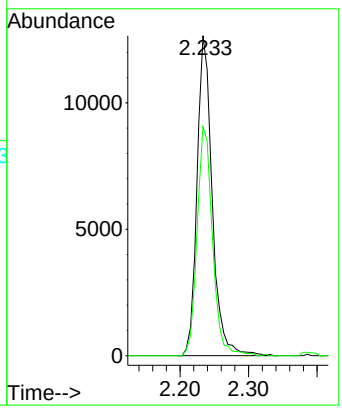


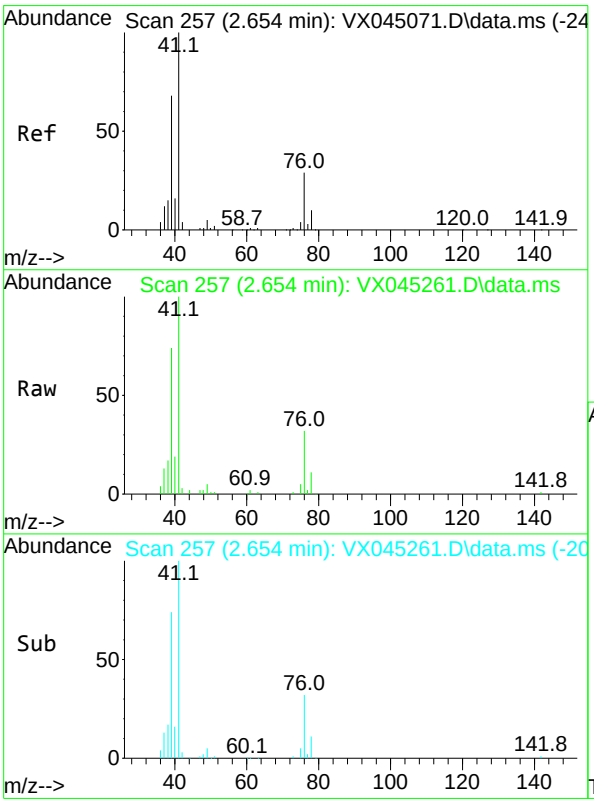
#13
Acrolein
Concen: 62.155 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 56 Resp: 19534

Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4

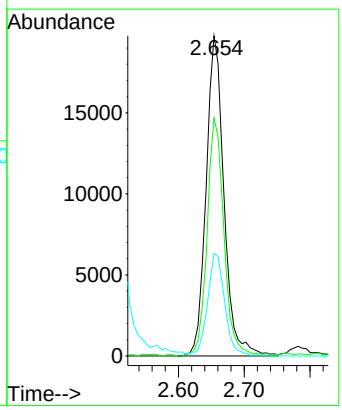


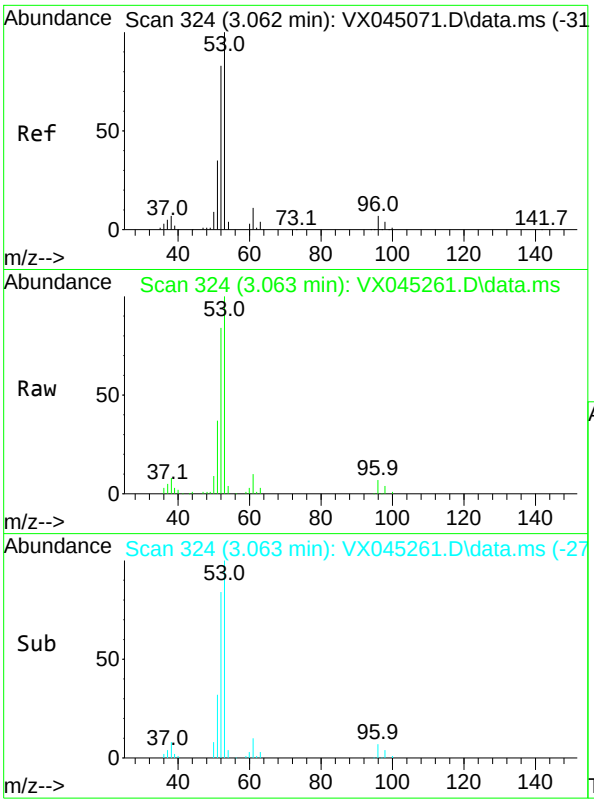


#14
Allyl chloride
Concen: 18.928 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 41 Resp: 37358

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	31.1	25.2	37.8



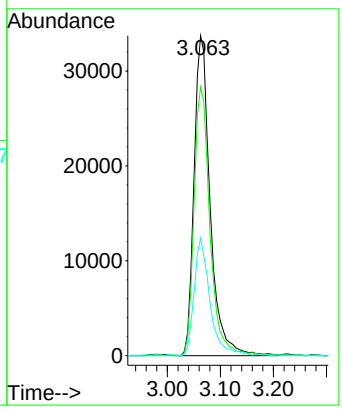


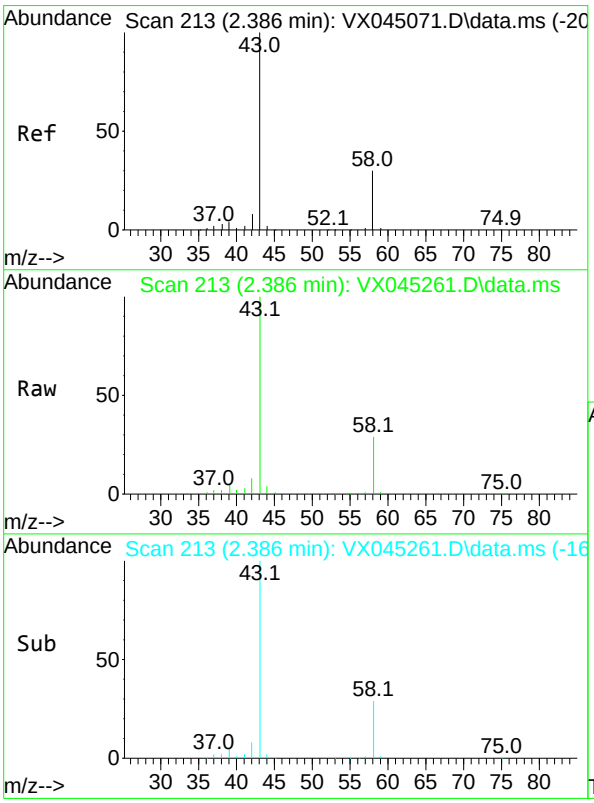
#15
Acrylonitrile
Concen: 97.663 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 53 Resp: 71162

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.0	29.0	43.4

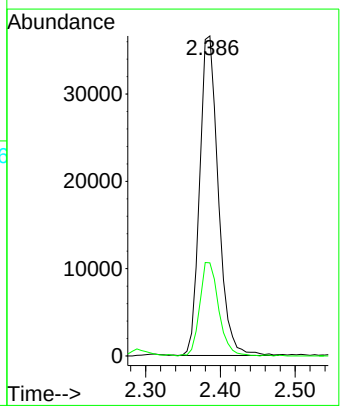


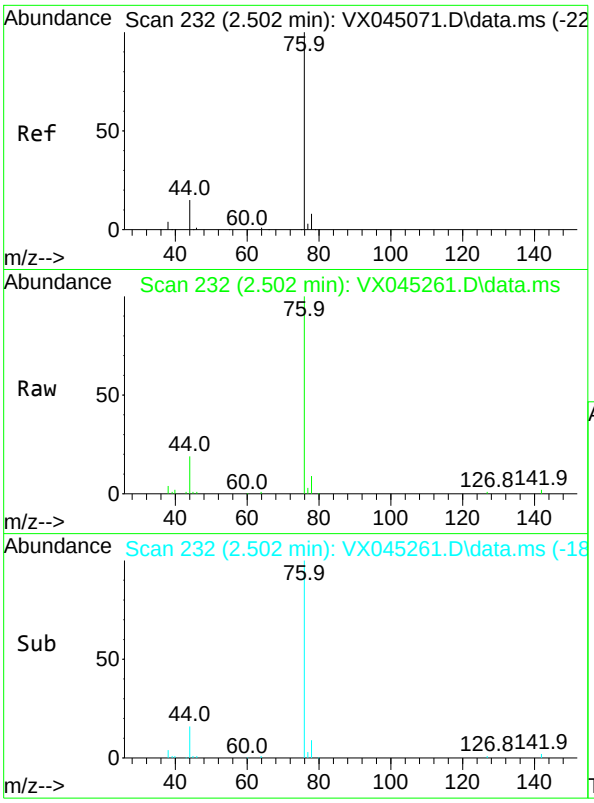


#16
Acetone
Concen: 95.149 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 63364

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4



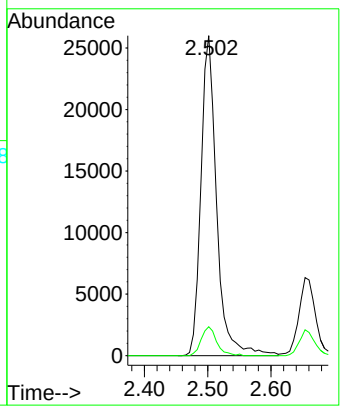


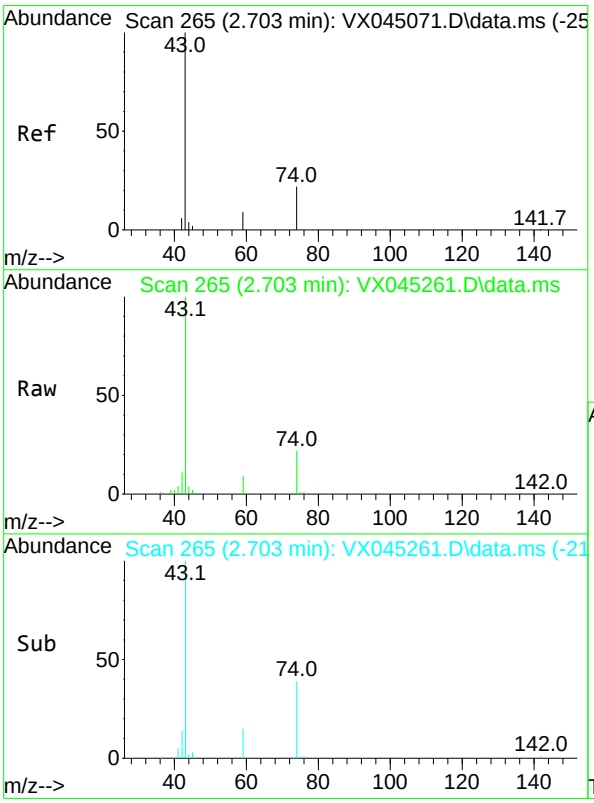
#17
Carbon Disulfide
Concen: 15.212 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 76 Resp: 44925

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

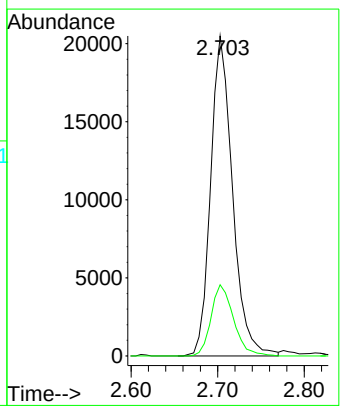


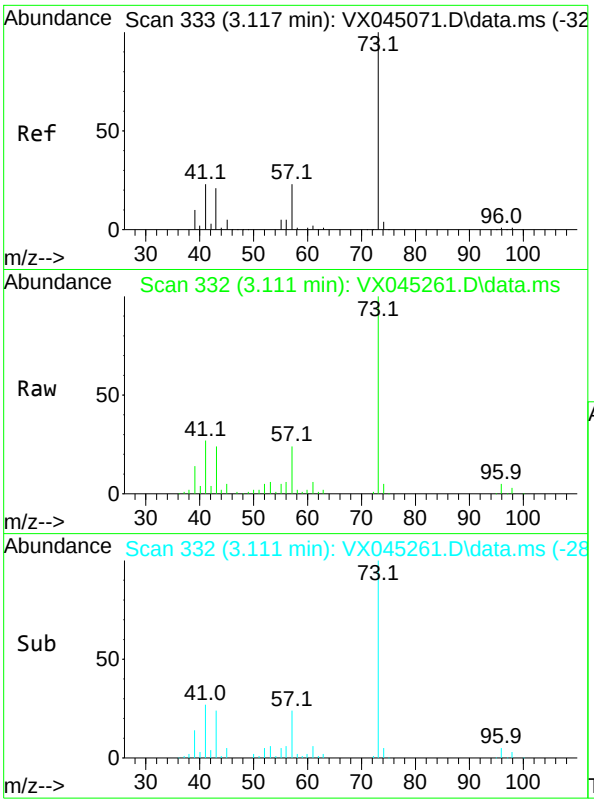


#18
Methyl Acetate
Concen: 22.498 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 36043

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2



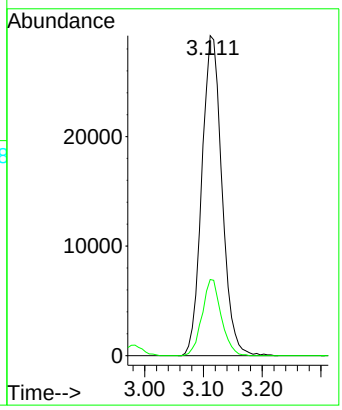


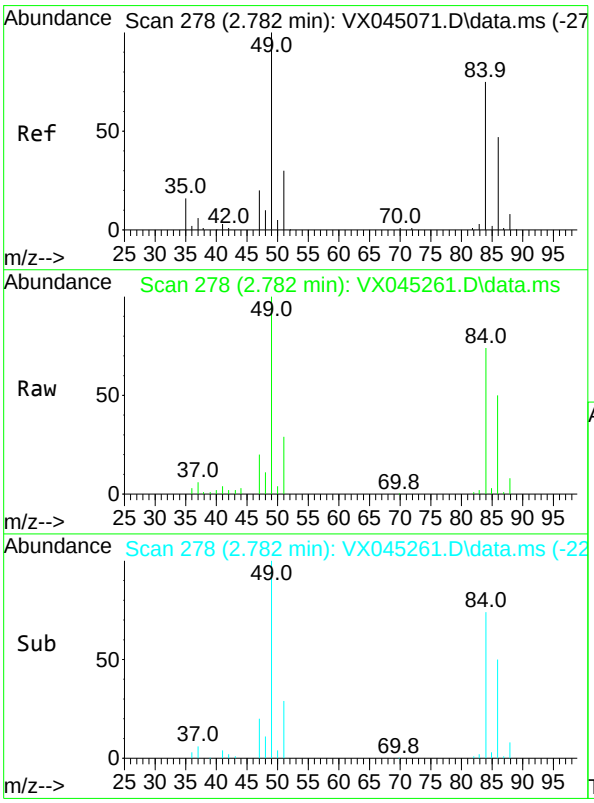
#19
Methyl tert-butyl Ether
Concen: 18.718 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 73 Resp: 69631

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7

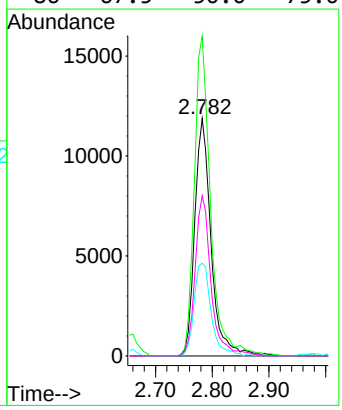


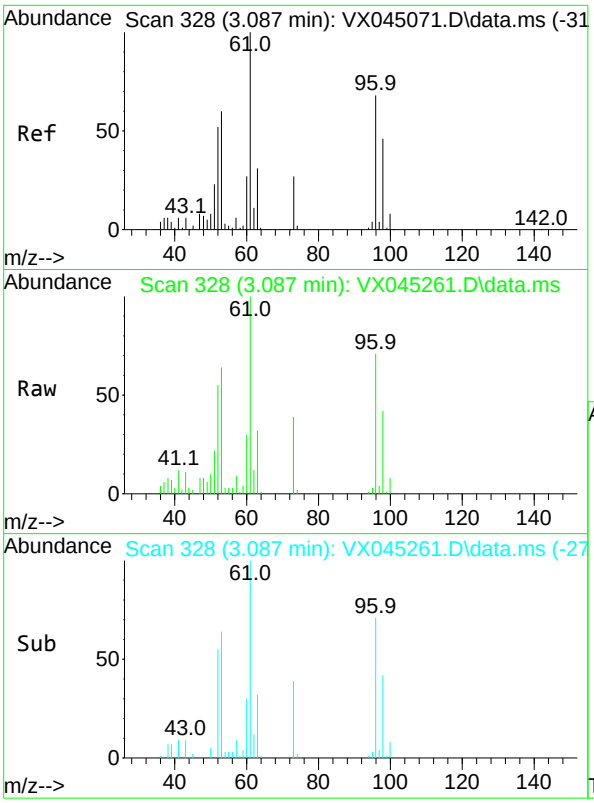


#20
Methylene Chloride
Concen: 18.094 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 84 Resp: 23869

Ion	Ratio	Lower	Upper
84	100		
49	134.7	106.5	159.7
51	39.1	32.1	48.1
86	67.5	50.0	75.0



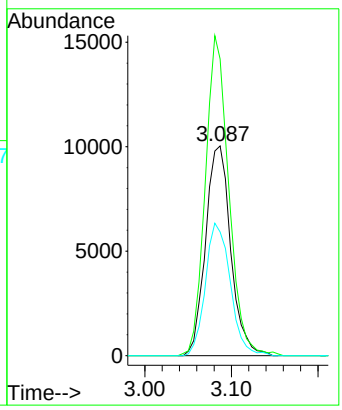


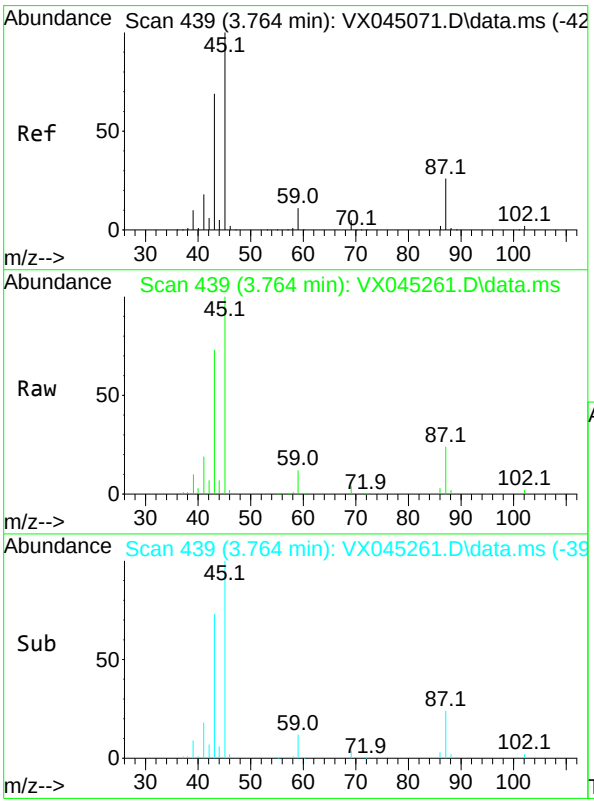
#21
trans-1,2-Dichloroethene
Concen: 18.535 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 96 Resp: 20303

Ion	Ratio	Lower	Upper
96	100		
61	141.4	117.0	175.4
98	59.0	53.4	80.2

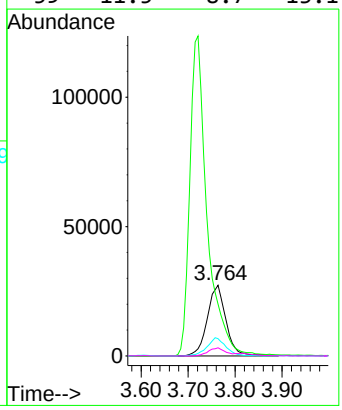


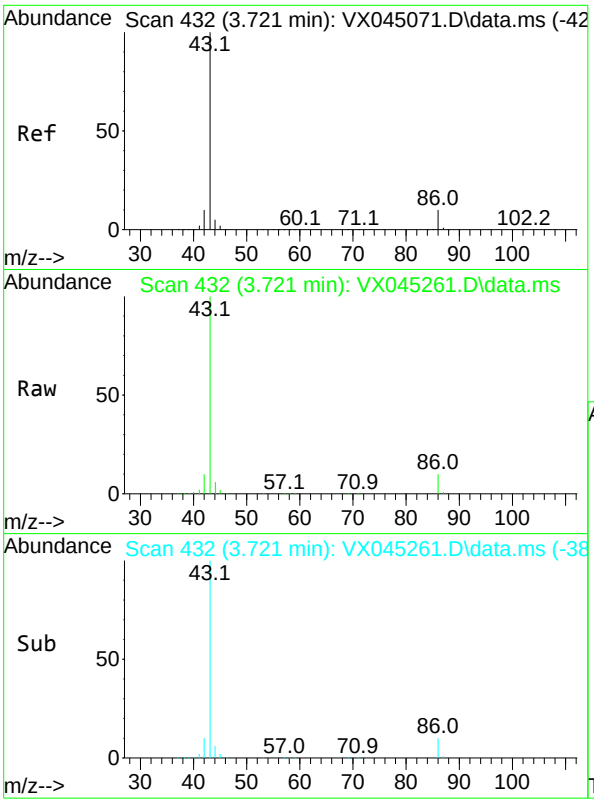


#22
Diisopropyl ether
Concen: 18.823 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 45 Resp: 75557

Ion	Ratio	Lower	Upper
45	100		
43	71.6	54.9	82.3
87	24.4	21.0	31.4
59	11.5	8.7	13.1



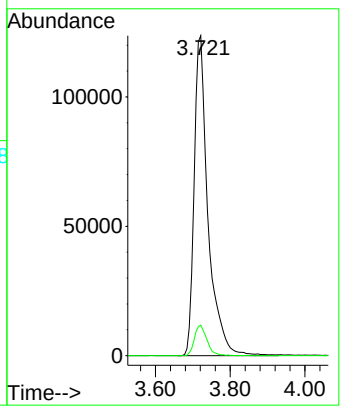


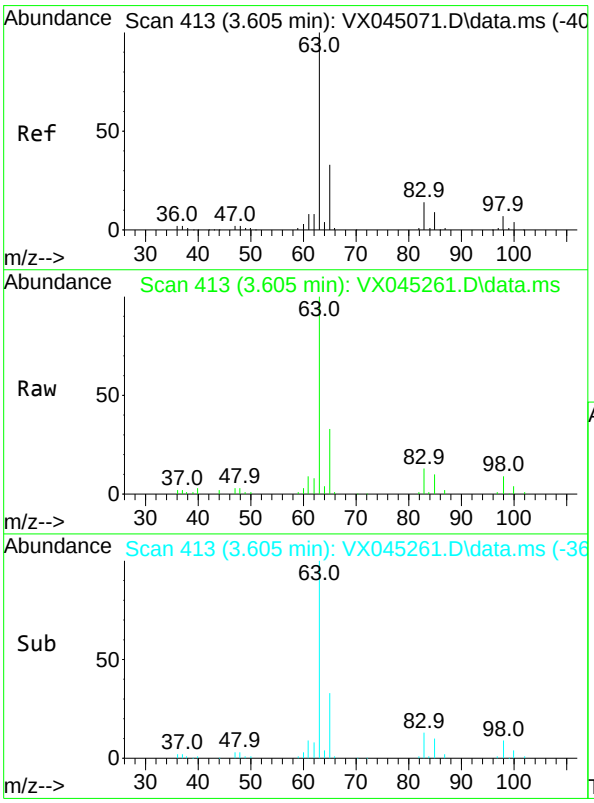
#23
Vinyl Acetate
Concen: 95.221 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 318966

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

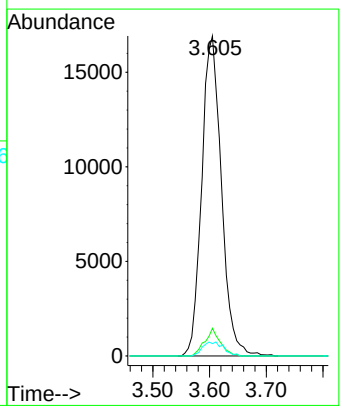


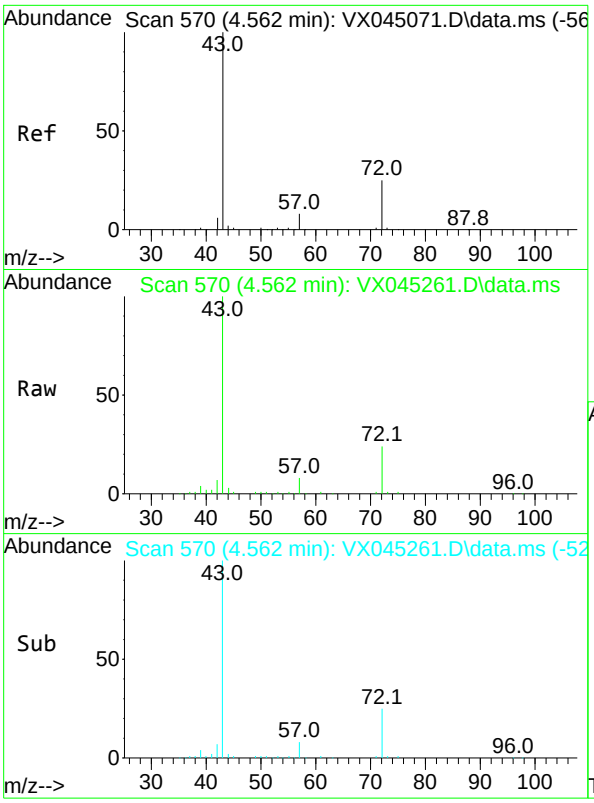


#24
1,1-Dichloroethane
Concen: 18.172 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 63 Resp: 40880

Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.4	10.2
100	3.9	2.1	6.5



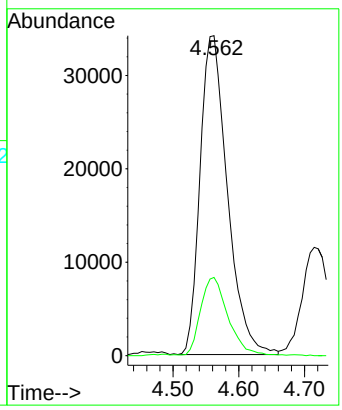


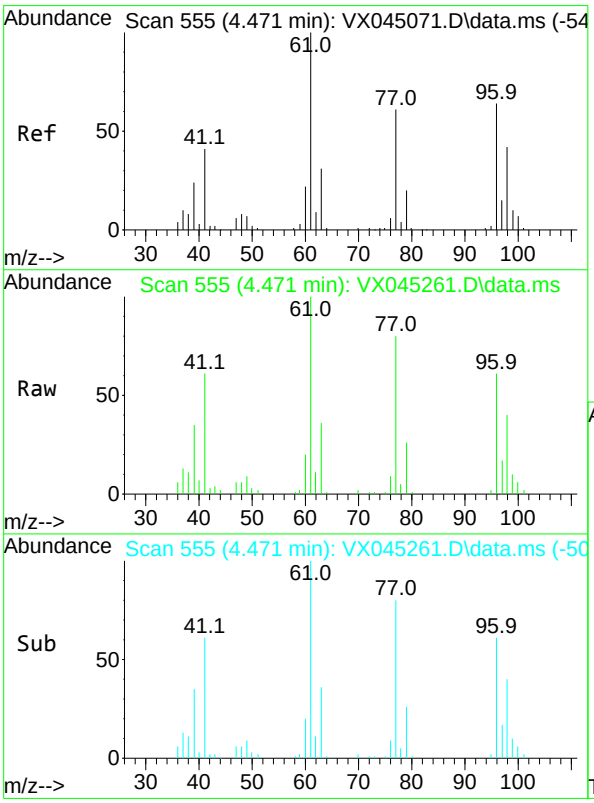
#25
2-Butanone
Concen: 98.715 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 98953

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

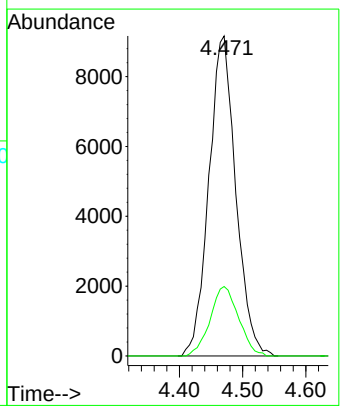


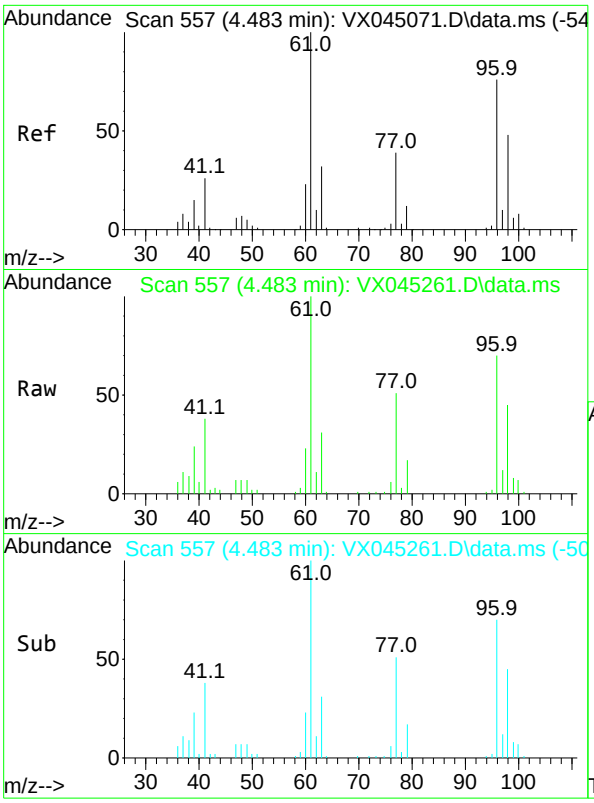


#26
2,2-Dichloropropane
Concen: 25.631 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 77 Resp: 27045

Ion	Ratio	Lower	Upper
77	100		
97	22.9	12.4	37.0



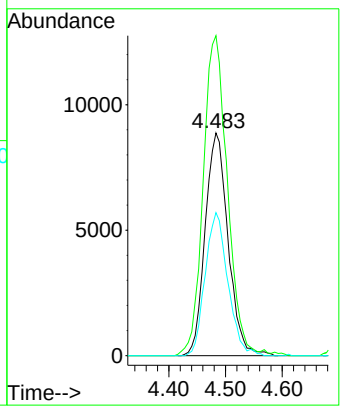


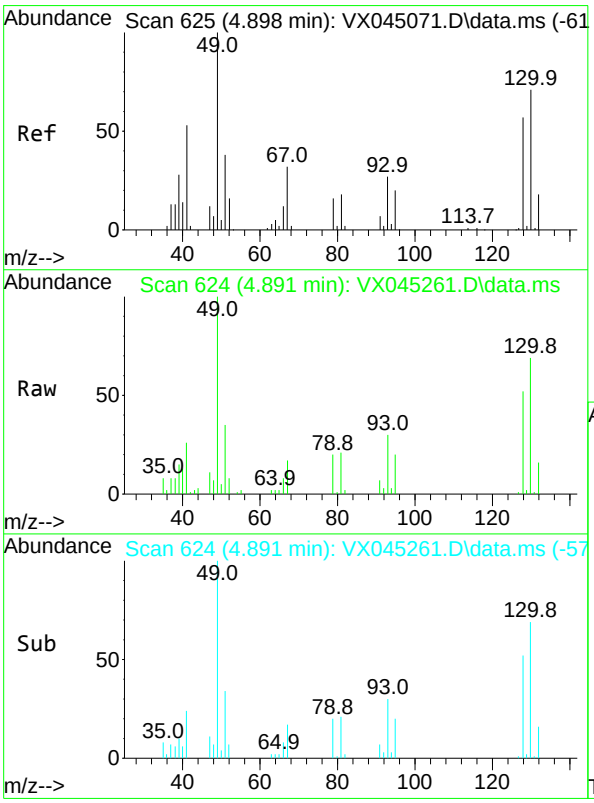
#27
cis-1,2-Dichloroethene
Concen: 18.460 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 96 Resp: 24962

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	283.2
98	63.5	0.0	128.0

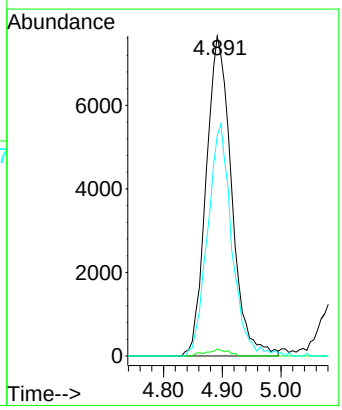


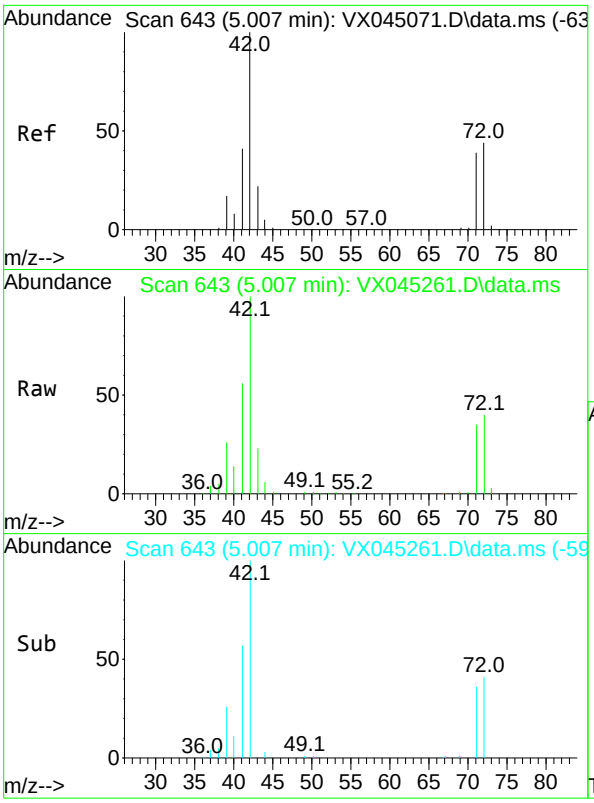


#28
Bromochloromethane
Concen: 21.400 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 49 Resp: 22946

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.2	56.1	84.1



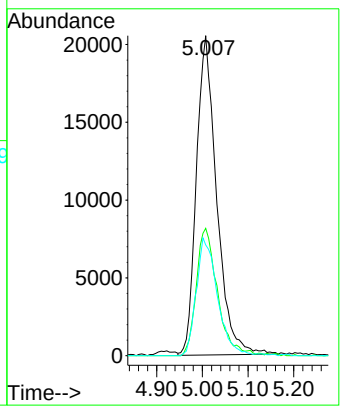


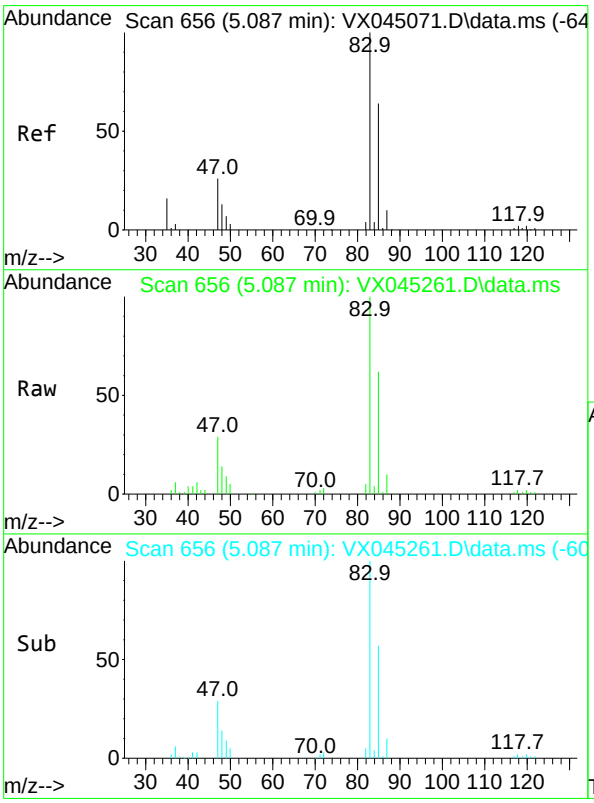
#29
Tetrahydrofuran
Concen: 94.247 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 42 Resp: 63444

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.1	51.1
71	38.3	31.4	47.0

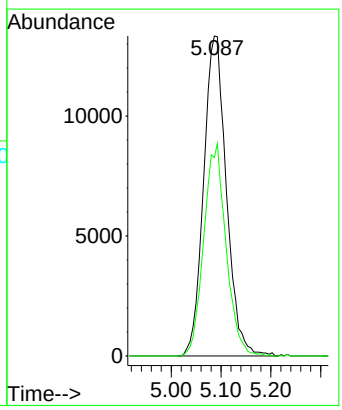


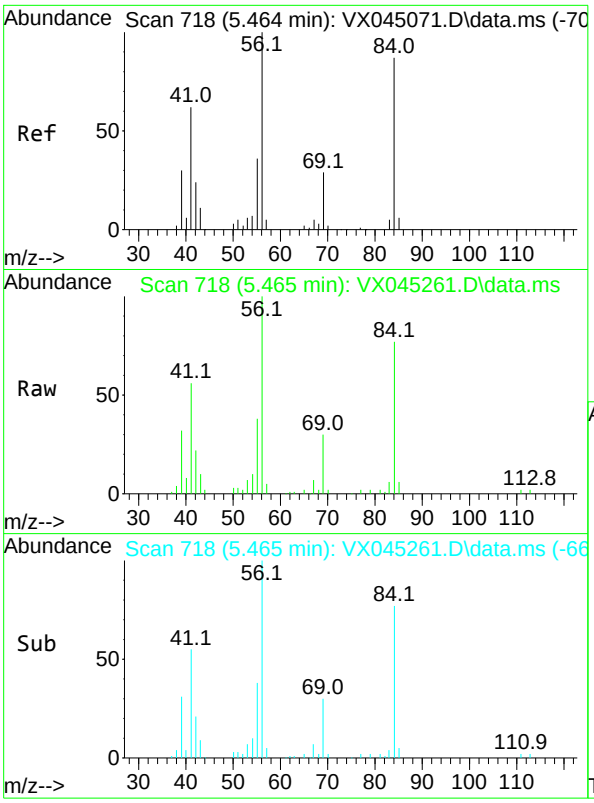


#30
Chloroform
Concen: 18.933 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 83 Resp: 42319

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2



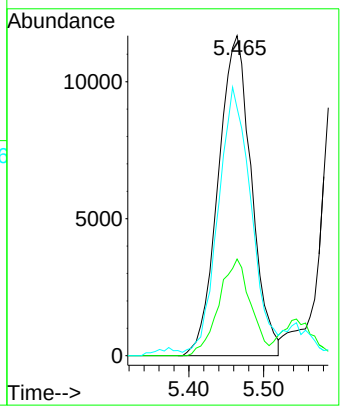


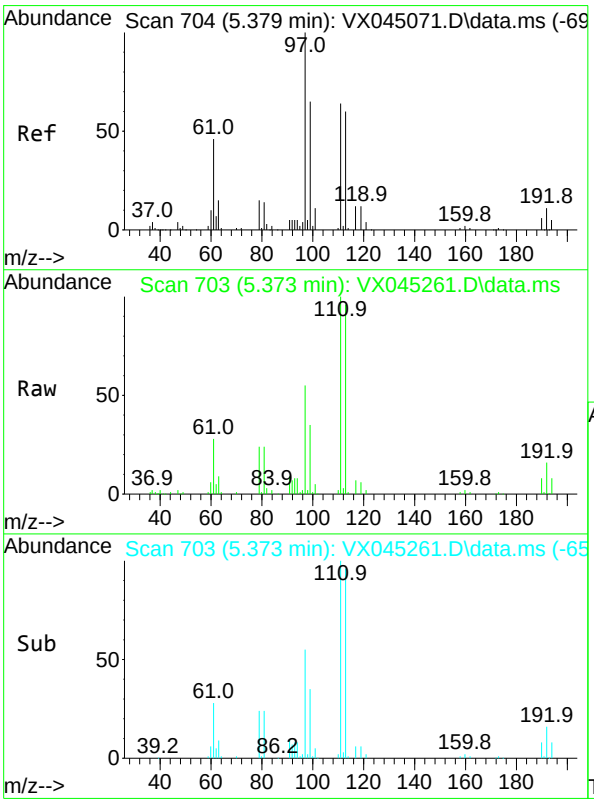
#31
Cyclohexane
Concen: 18.480 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 56 Resp: 36088

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.2
84	75.8	69.4	104.2

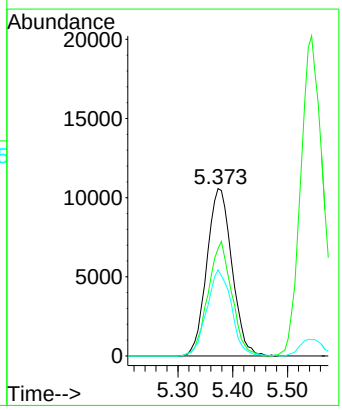


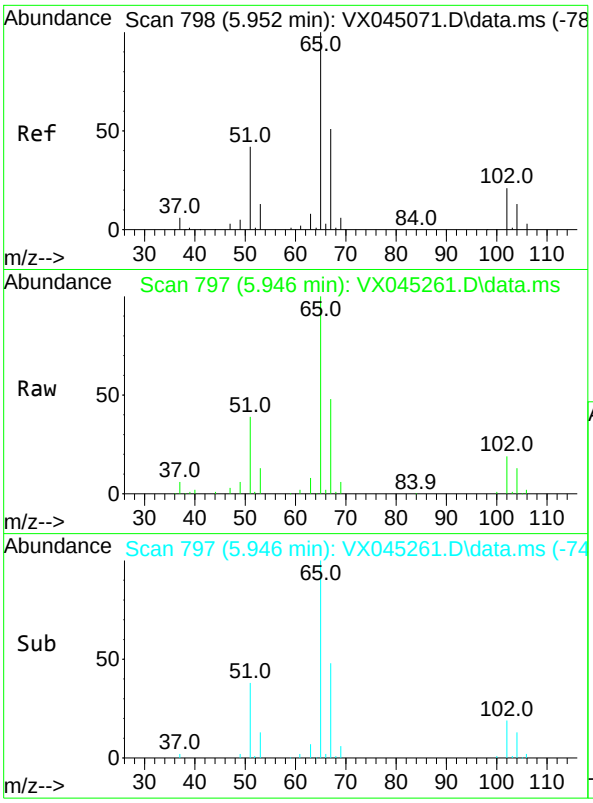


#32
1,1,1-Trichloroethane
Concen: 18.611 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 97 Resp: 33599

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	50.5	38.4	57.6



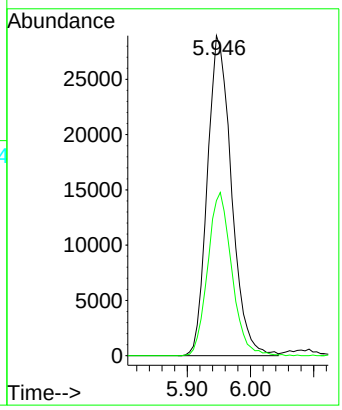


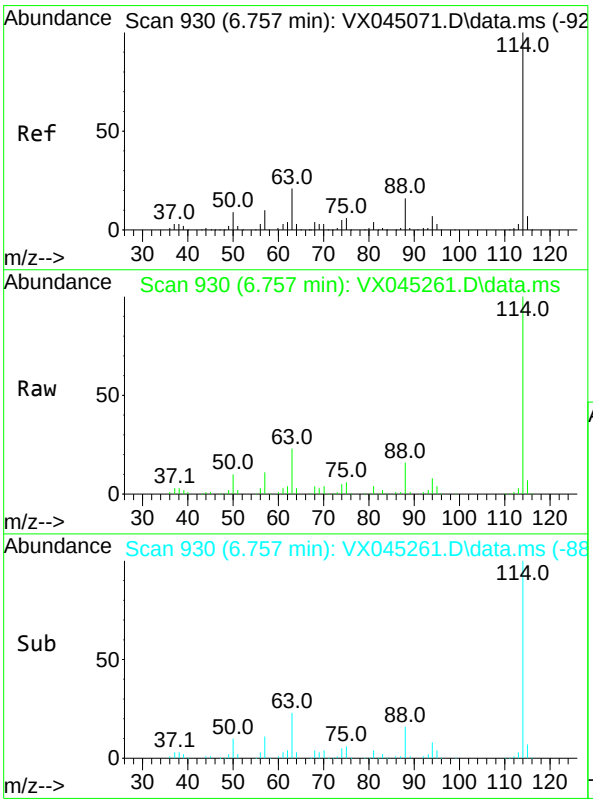
#33
1,2-Dichloroethane-d4
Concen: 53.355 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 65 Resp: 76581

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.2

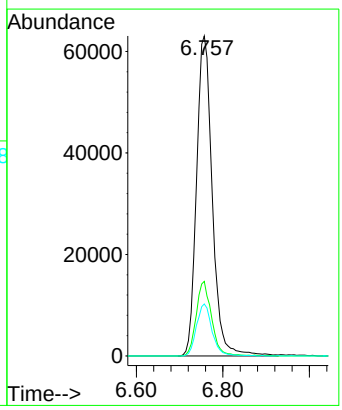


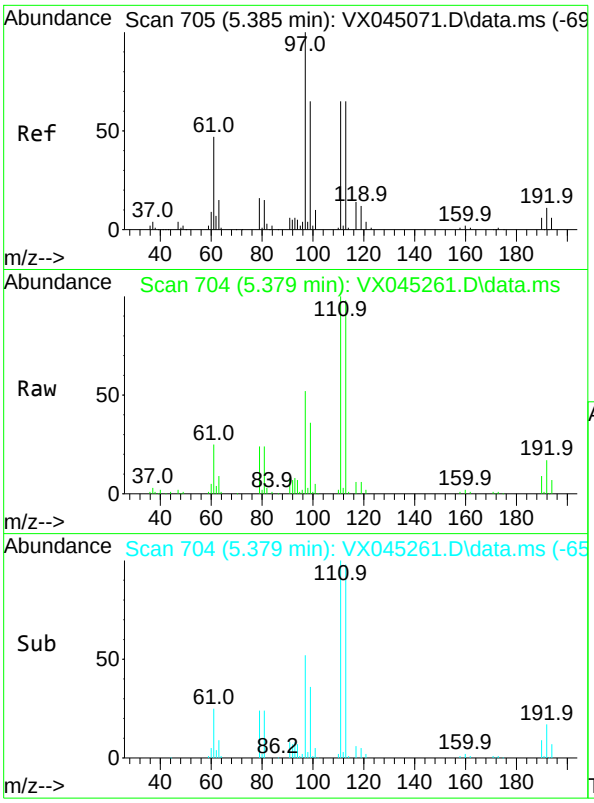


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:114 Resp: 159386

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.3	0.0	32.8



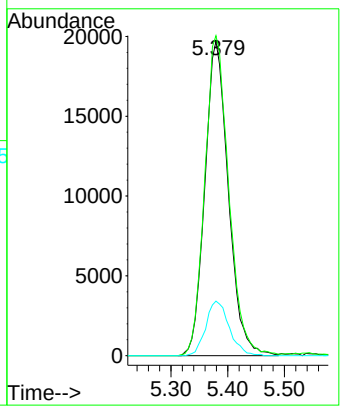


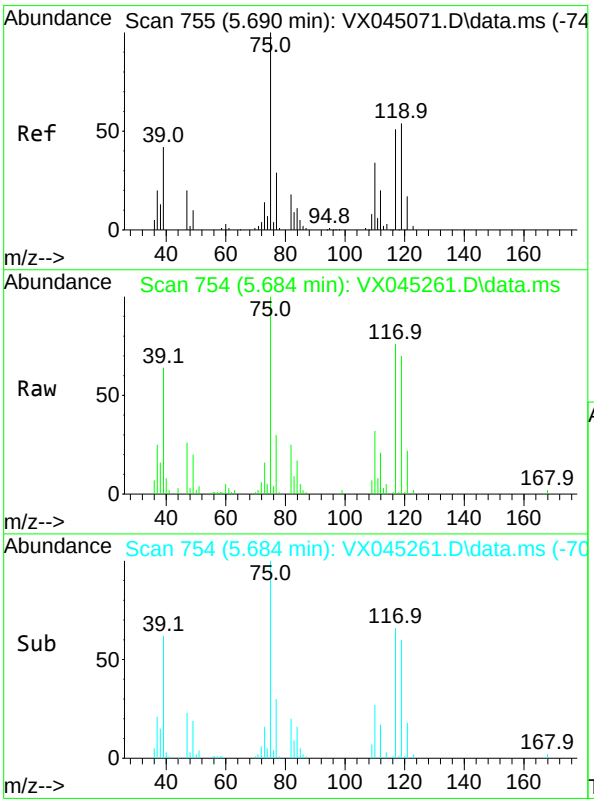
#35
Dibromofluoromethane
Concen: 53.202 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:113 Resp: 56701

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	17.4	14.3	21.5

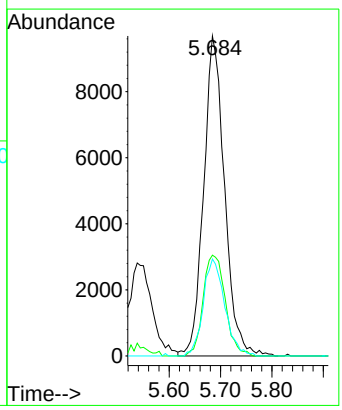


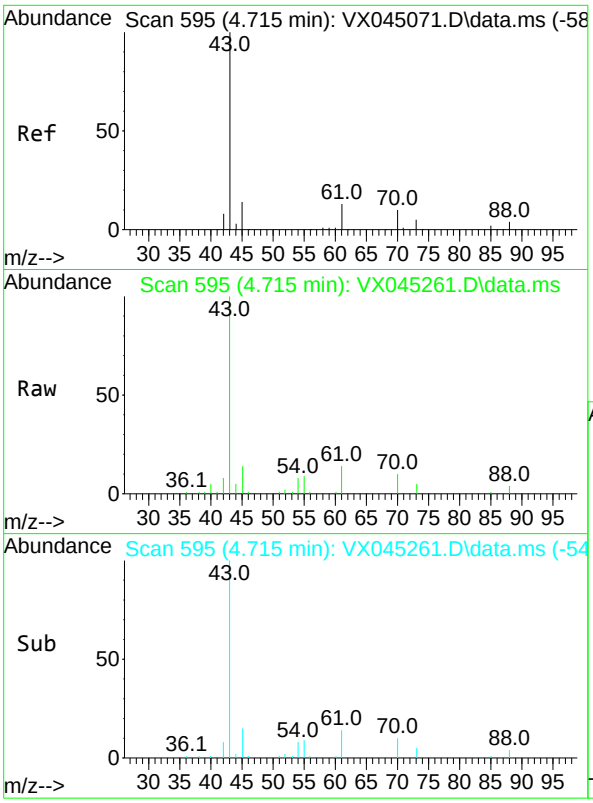


#36
1,1-Dichloropropene
Concen: 18.730 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 27375

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	31.2	24.5	36.7



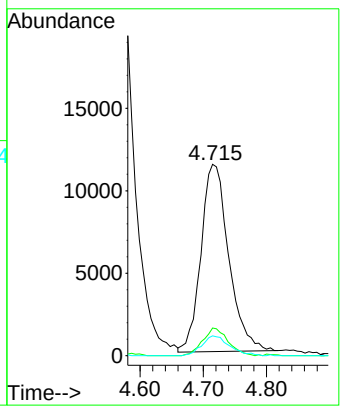


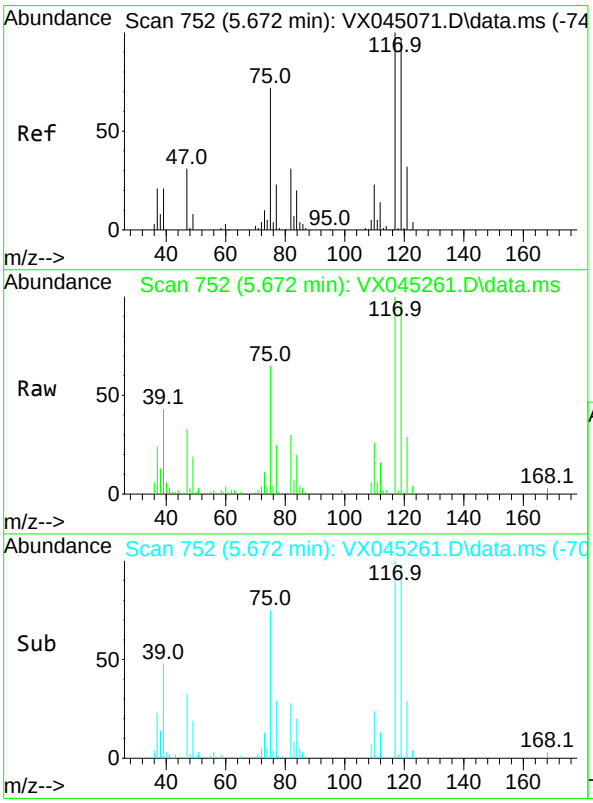
#37
Ethyl Acetate
Concen: 18.466 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 34779

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.4	7.7	11.5

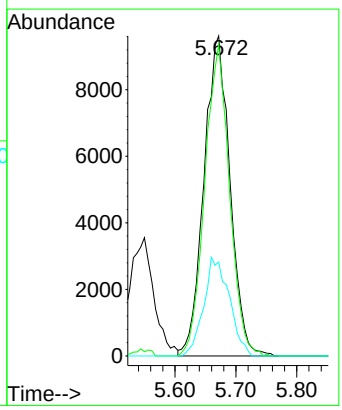


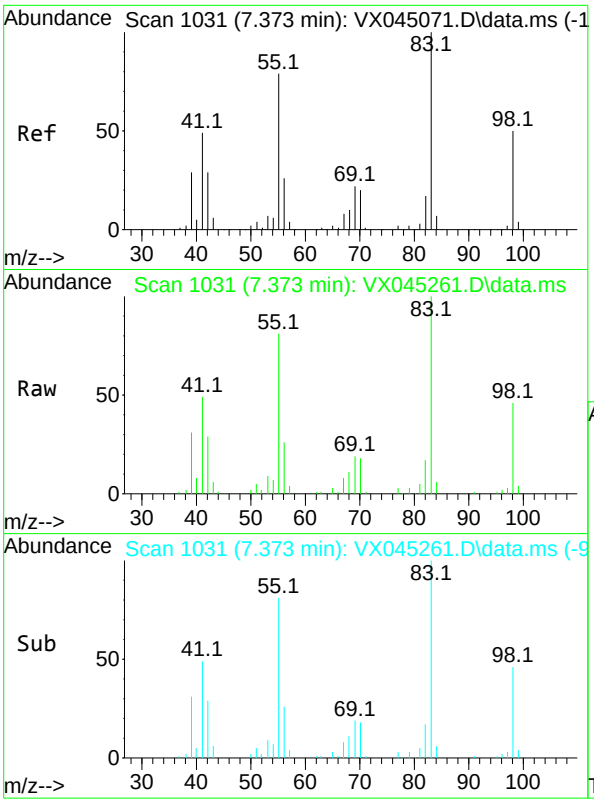


#38
Carbon Tetrachloride
Concen: 19.280 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:117 Resp: 28609

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	29.4	25.5	38.3



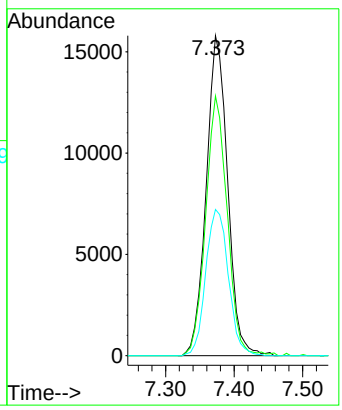


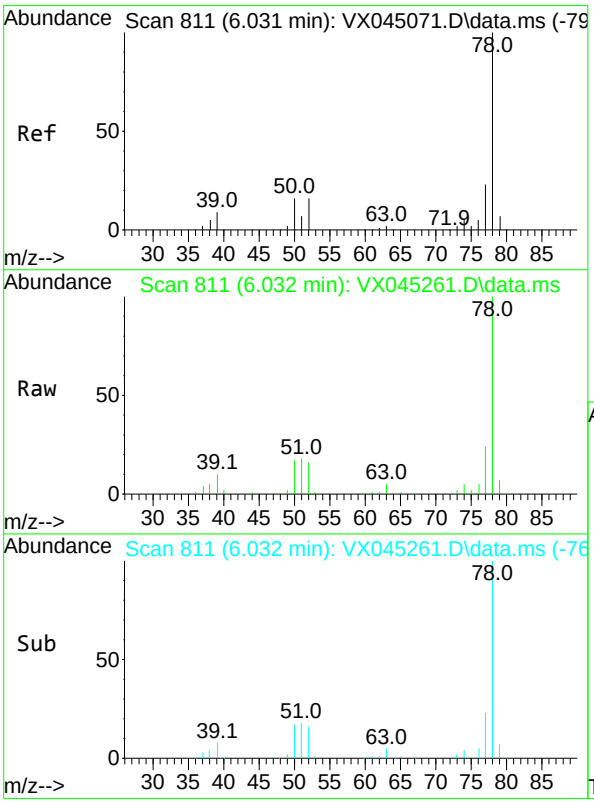
#39
Methylcyclohexane
Concen: 19.611 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 83 Resp: 34346

Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.0	94.4
98	45.7	39.7	59.5

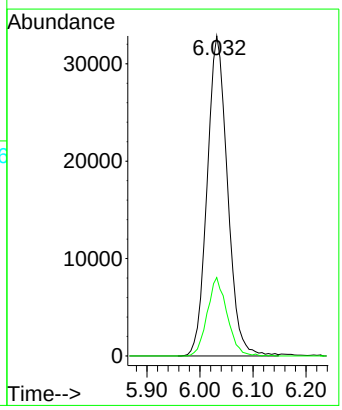


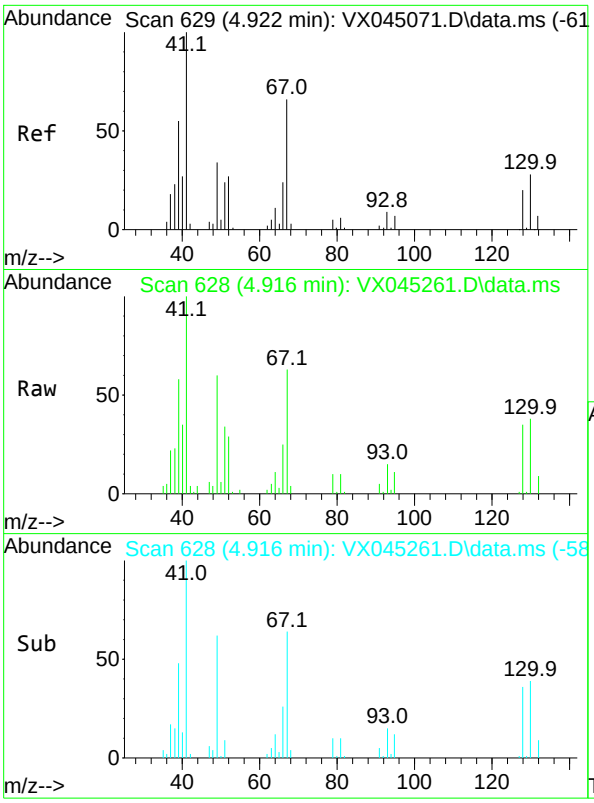


#40
Benzene
Concen: 18.989 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 78 Resp: 87643

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



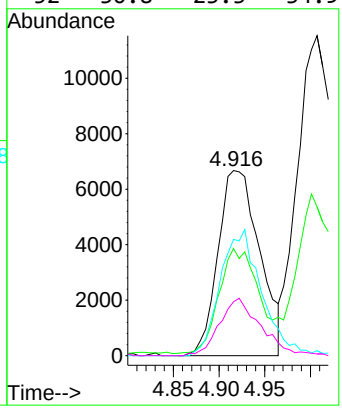


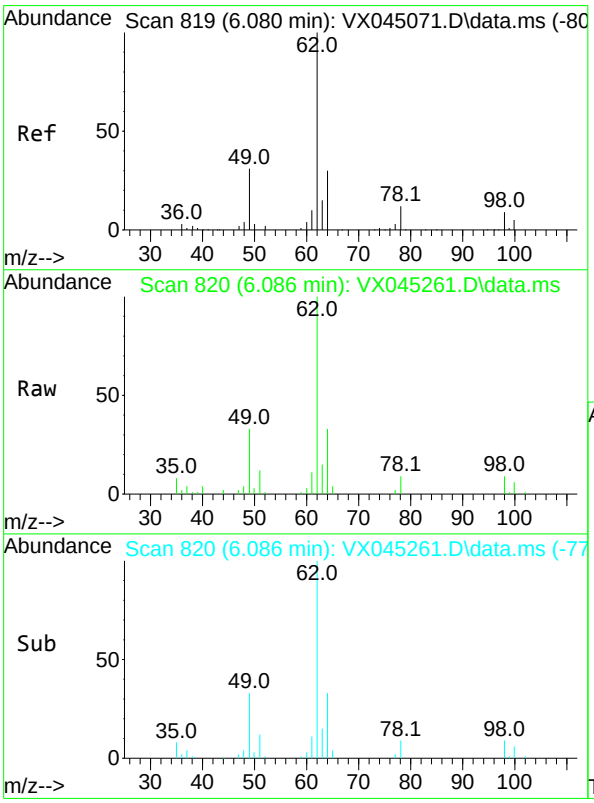
#41
Methacrylonitrile
Concen: 20.808 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 41 Resp: 21190

Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.6	67.0
67	67.9	53.9	80.9
52	30.8	23.3	34.9

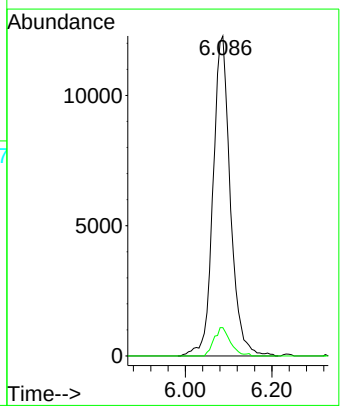


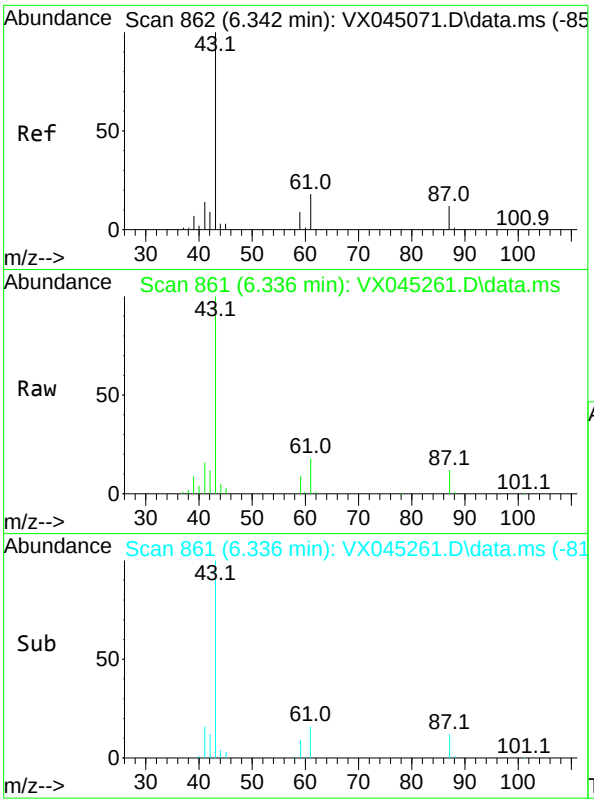


#42
1,2-Dichloroethane
Concen: 20.534 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 62 Resp: 34127

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2



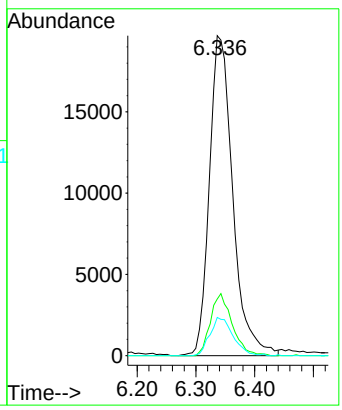


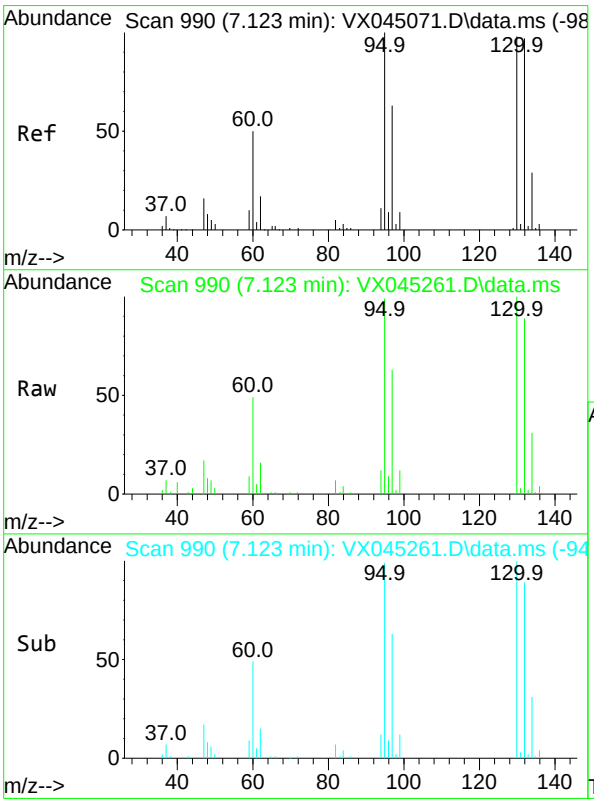
#43
Isopropyl Acetate
Concen: 19.569 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 54500

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.8	9.4	14.2

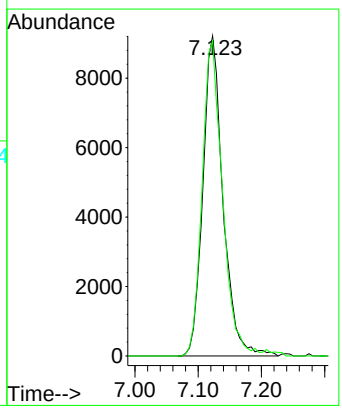


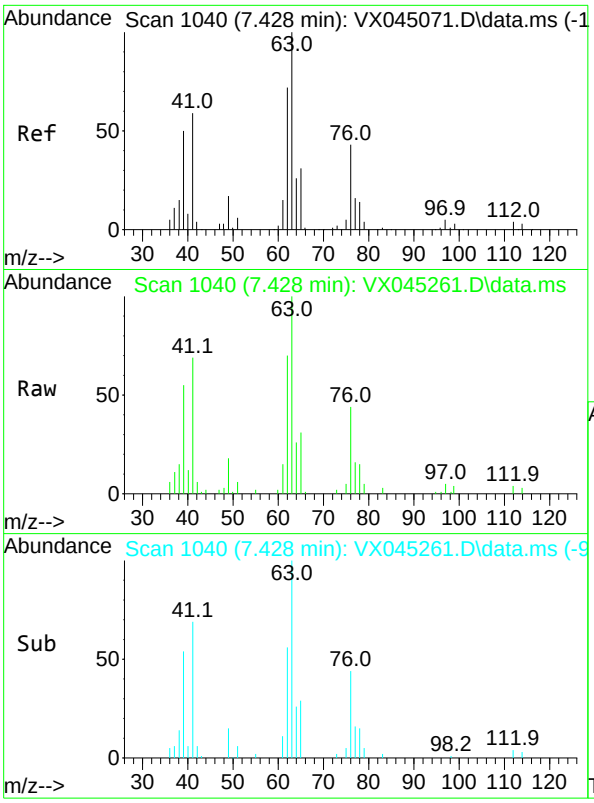


#44
Trichloroethene
Concen: 18.821 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:130 Resp: 20397

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	205.0



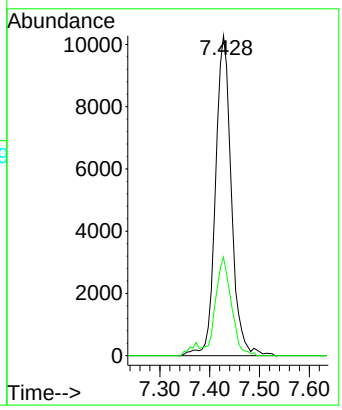


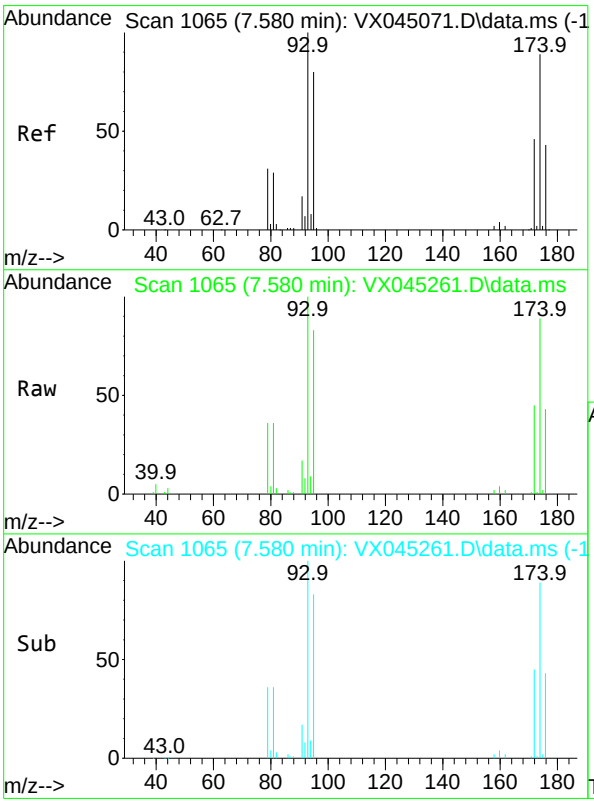
#45
1,2-Dichloropropane
Concen: 19.165 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 63 Resp: 22742

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

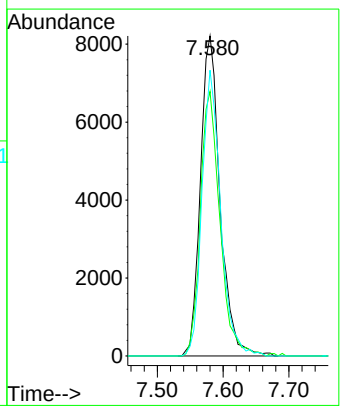


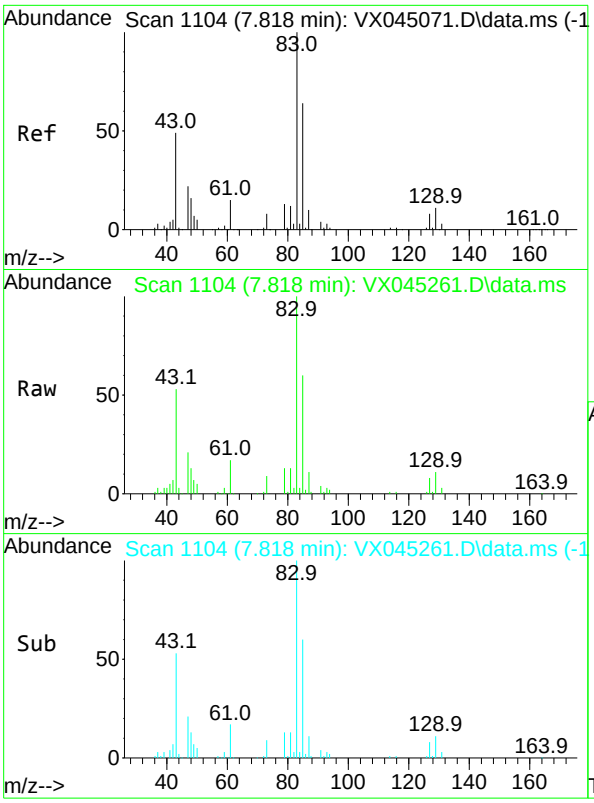


#46
Dibromomethane
Concen: 20.290 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 93 Resp: 17018

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.5	72.2	108.2



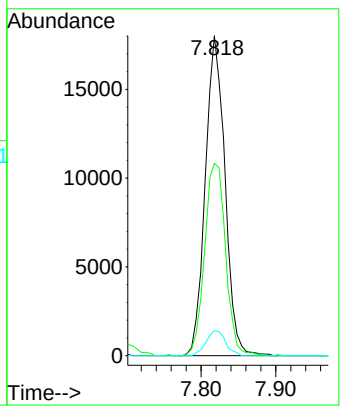


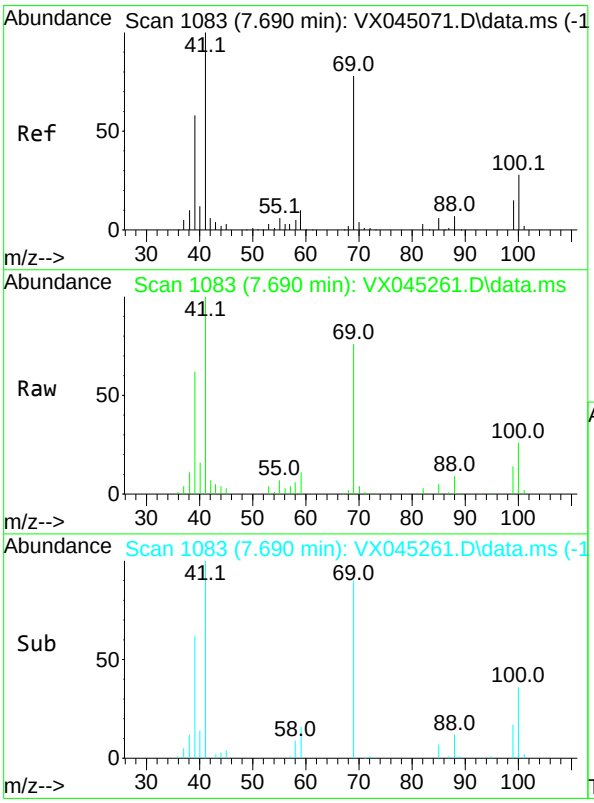
#47
Bromodichloromethane
Concen: 20.017 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 83 Resp: 32932

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.1	76.7
127	7.8	6.4	9.6

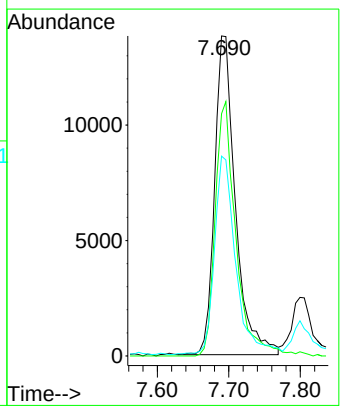


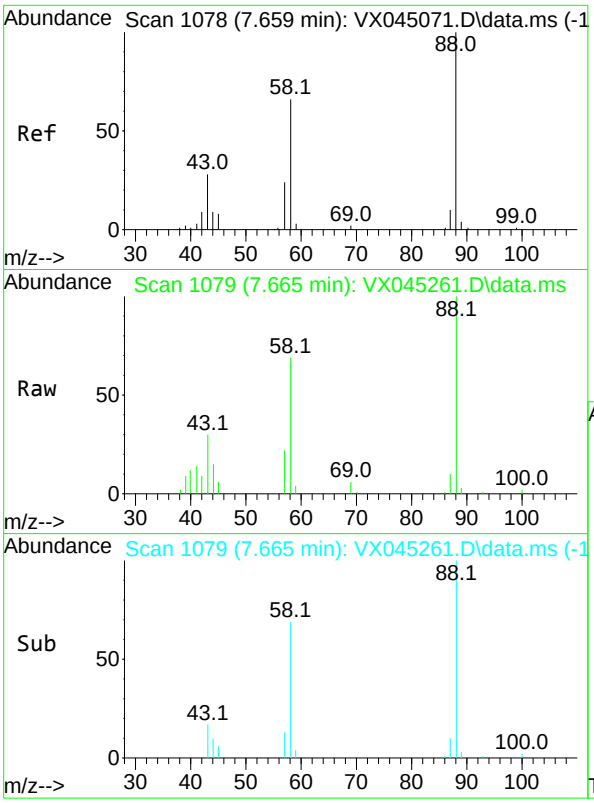


#48
Methyl methacrylate
Concen: 19.967 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 41 Resp: 27898

Ion	Ratio	Lower	Upper
41	100		
69	79.2	63.0	94.6
39	63.4	47.5	71.3



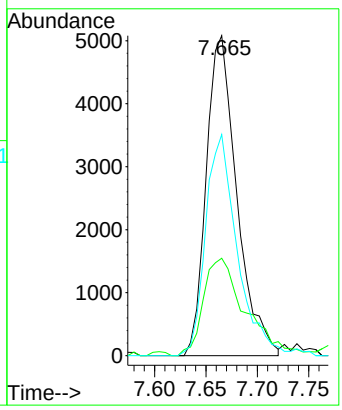


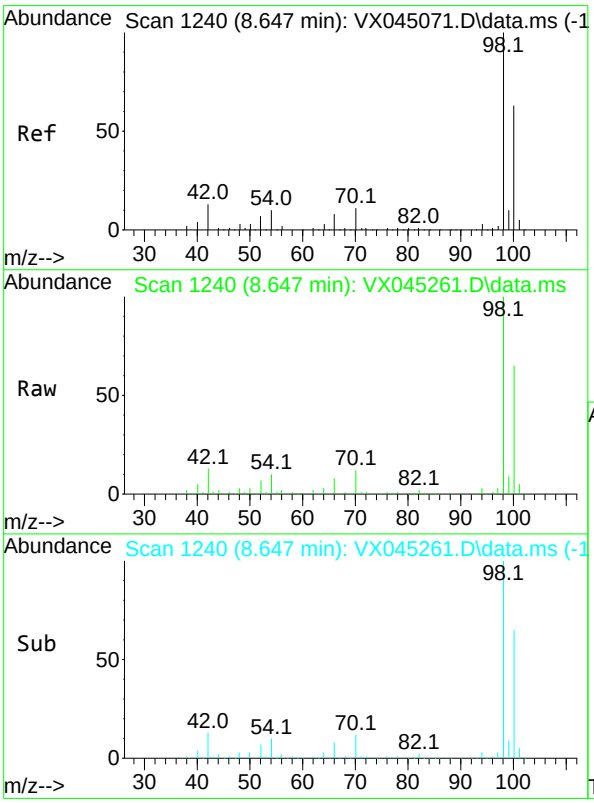
#49
1,4-Dioxane
Concen: 357.320 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 88 Resp: 10531

Ion	Ratio	Lower	Upper
88	100		
43	42.1	28.7	43.1
58	71.4	55.8	83.8

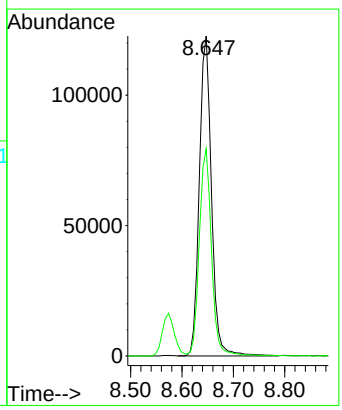


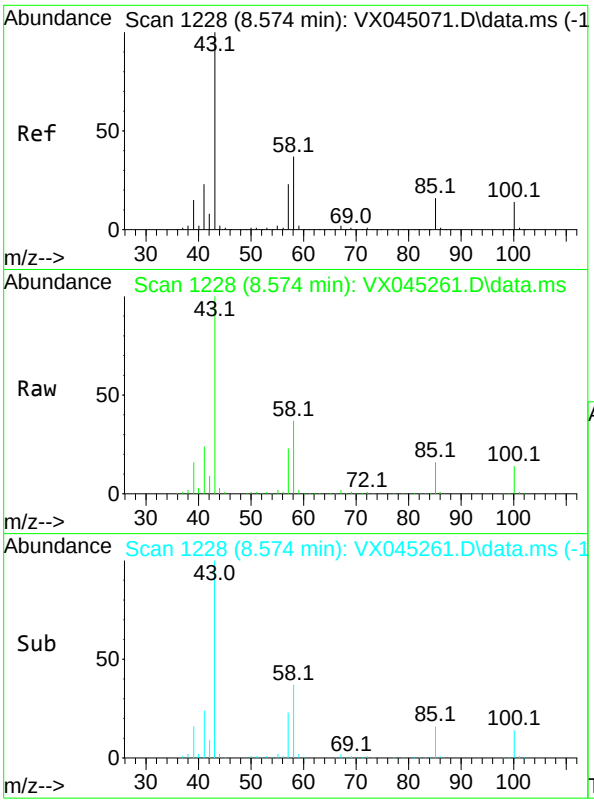


#50
Toluene-d8
Concen: 52.075 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 98 Resp: 201206

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0



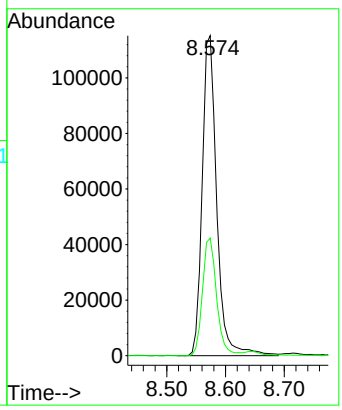


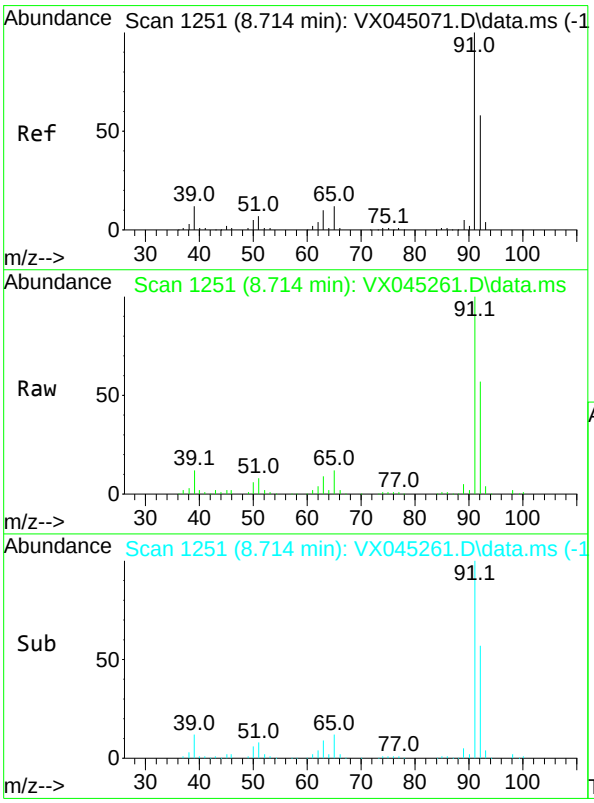
#51
4-Methyl-2-Pentanone
Concen: 105.941 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 198103

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.2	43.8

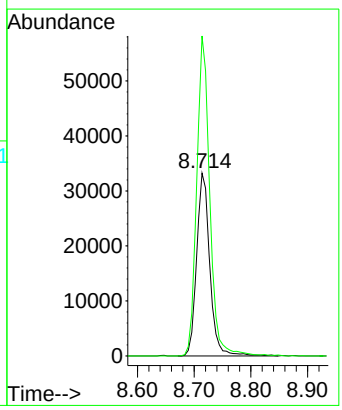


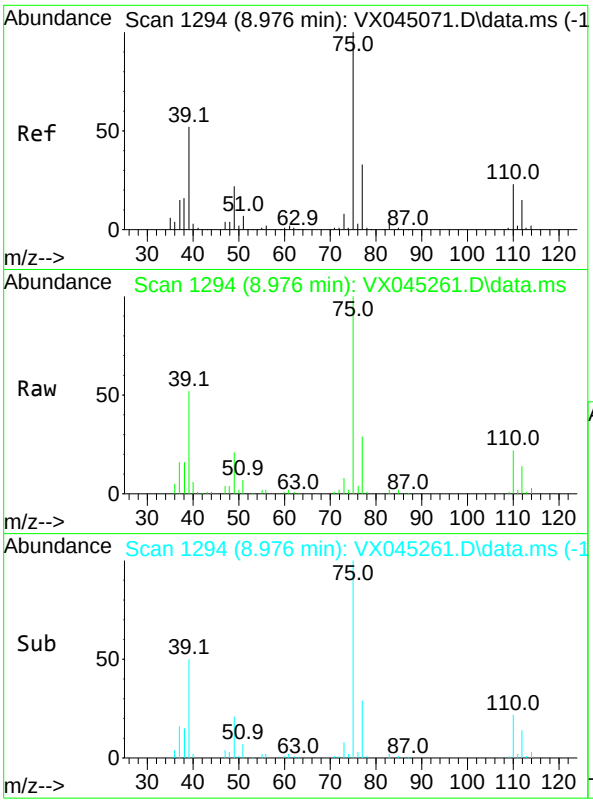


#52
Toluene
Concen: 19.748 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 92 Resp: 53476

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.9	208.3



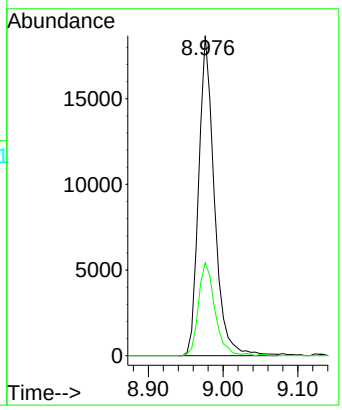


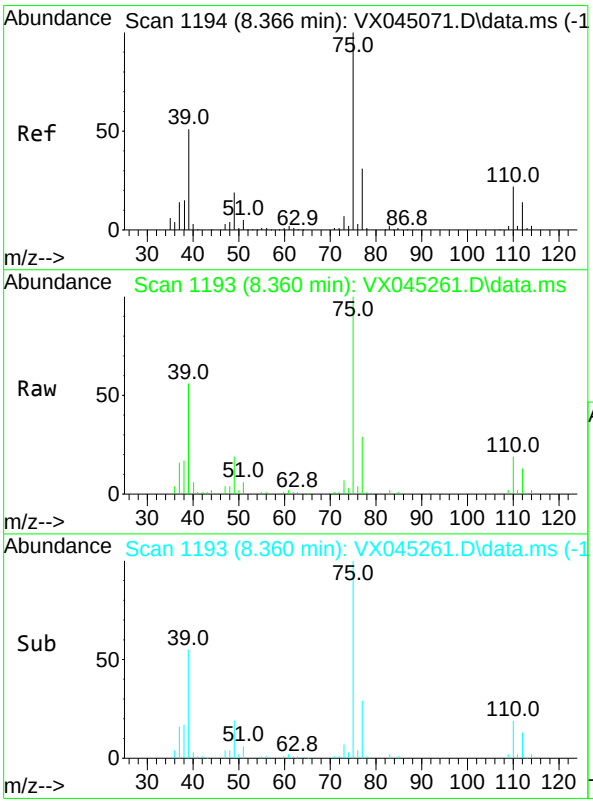
#53
t-1,3-Dichloropropene
Concen: 19.809 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 75 Resp: 27245

Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.5	39.7

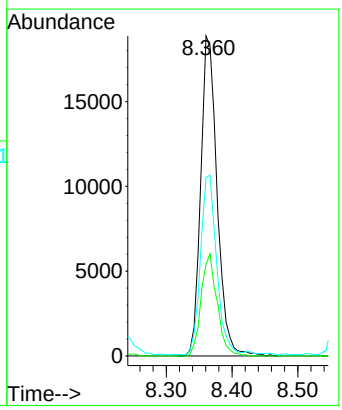


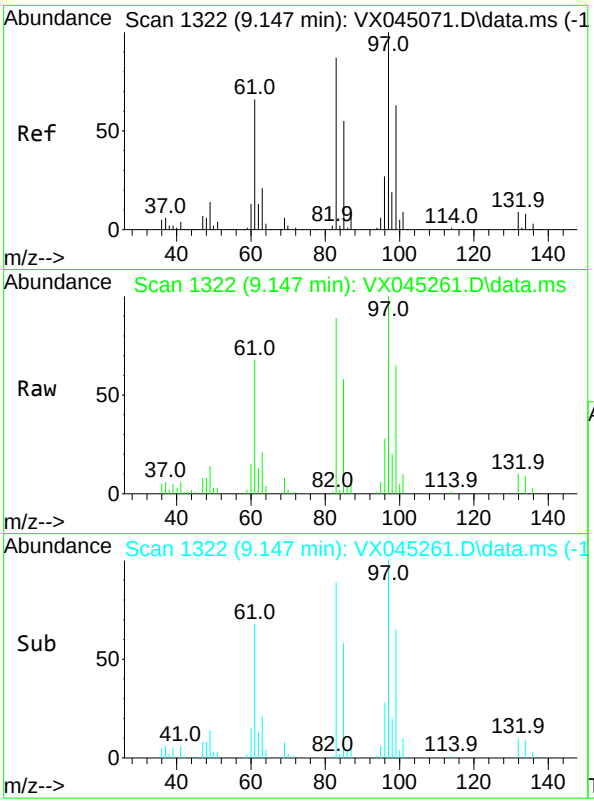


#54
cis-1,3-Dichloropropene
Concen: 20.424 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 32757

Ion	Ratio	Lower	Upper
75	100		
77	28.7	24.7	37.1
39	55.5	40.7	61.1



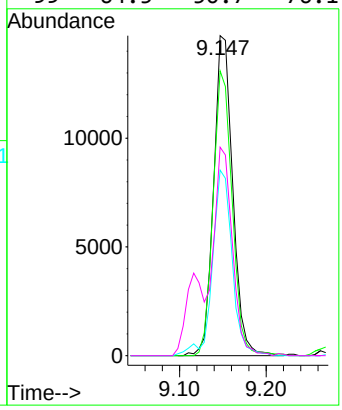


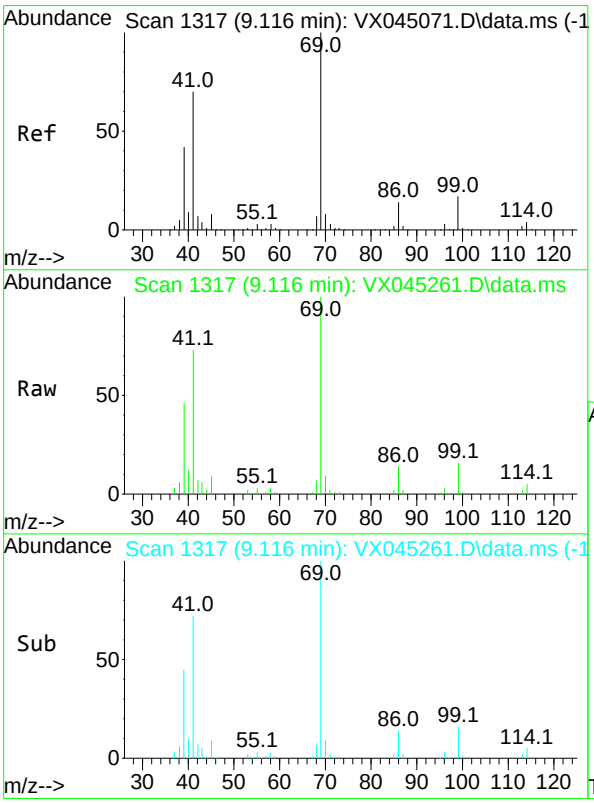
#55
1,1,2-Trichloroethane
Concen: 20.241 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 97 Resp: 22565

Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.4	104.2
85	58.0	44.1	66.1
99	64.5	50.7	76.1

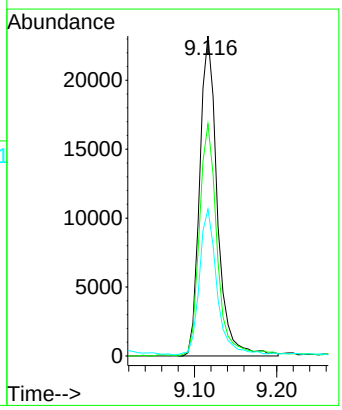


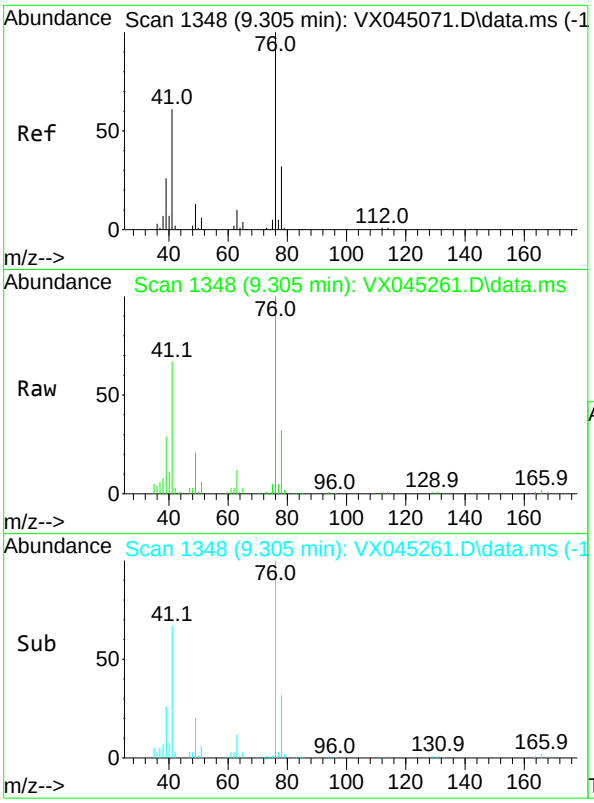


#56
Ethyl methacrylate
Concen: 20.451 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 69 Resp: 34656

Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.0	85.4
39	45.2	34.2	51.4



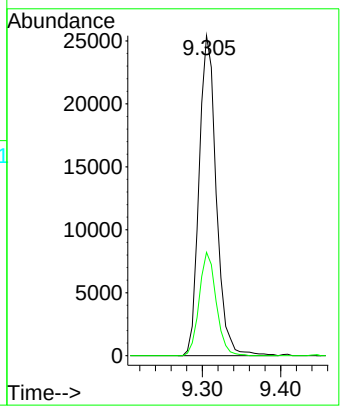


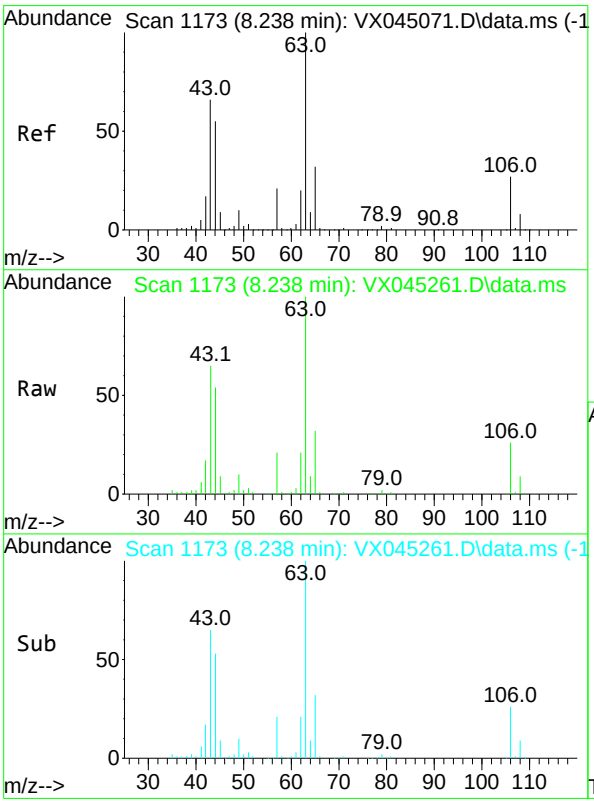
#57
1,3-Dichloropropane
Concen: 20.083 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 76 Resp: 38745

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

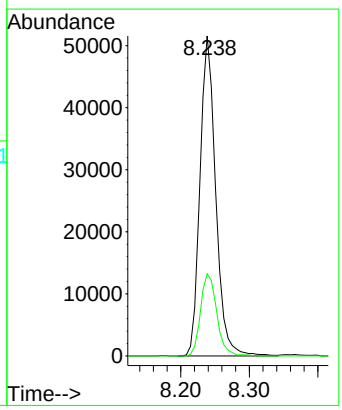


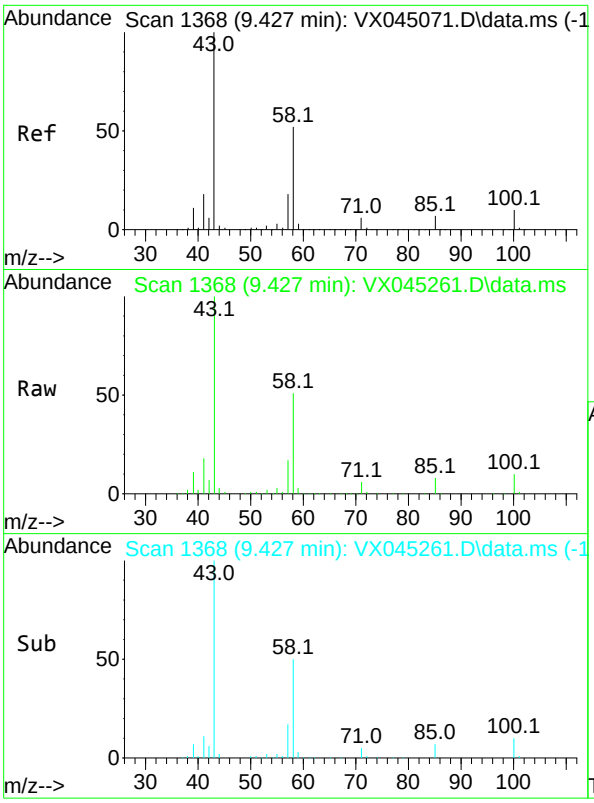


#58
2-Chloroethyl Vinyl ether
Concen: 99.689 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 63 Resp: 82405

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



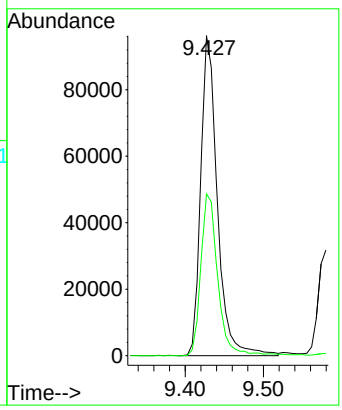


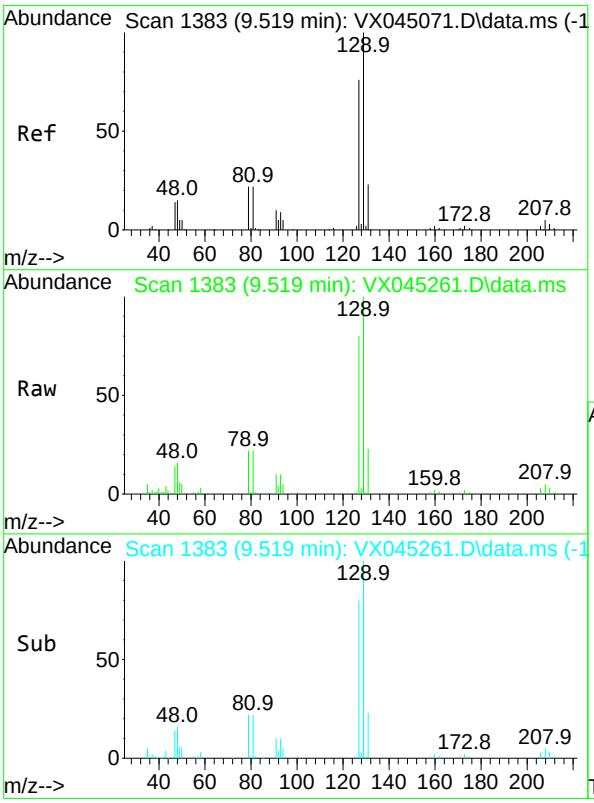
#59
2-Hexanone
Concen: 104.746 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 43 Resp: 141915

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

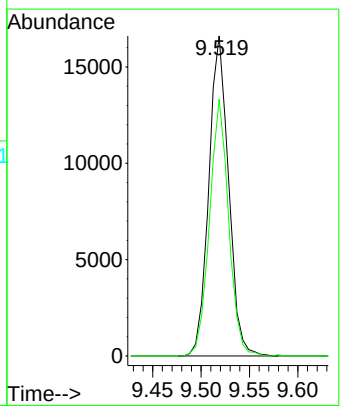


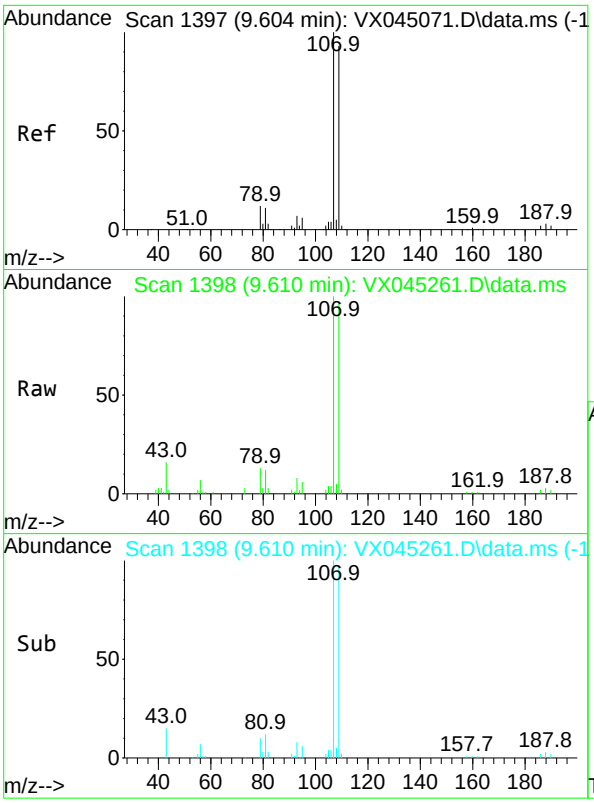


#60
Dibromochloromethane
Concen: 20.262 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:129 Resp: 23618

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5



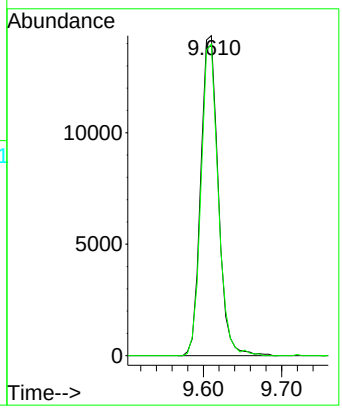


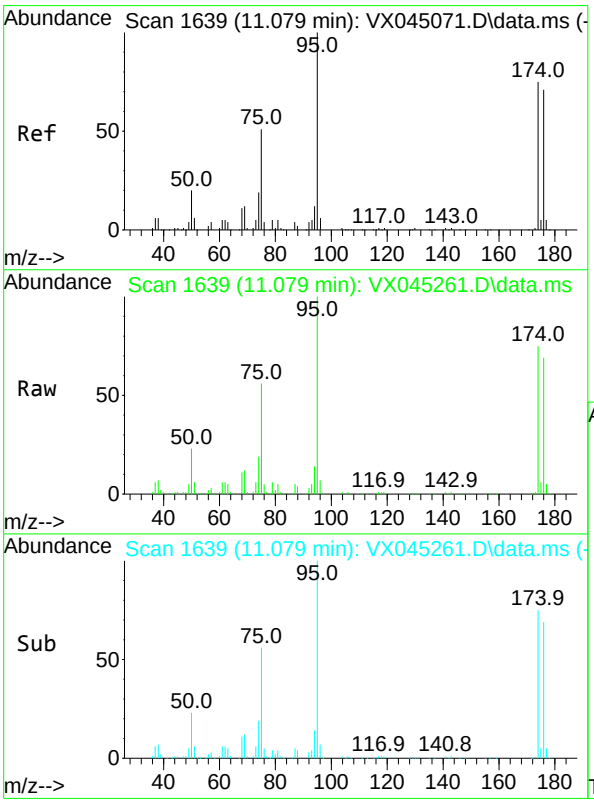
#61
1,2-Dibromoethane
Concen: 19.981 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:107 Resp: 22237

Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.1	114.1

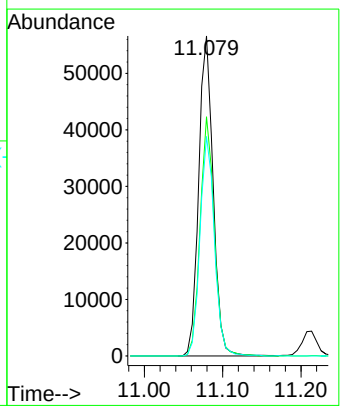


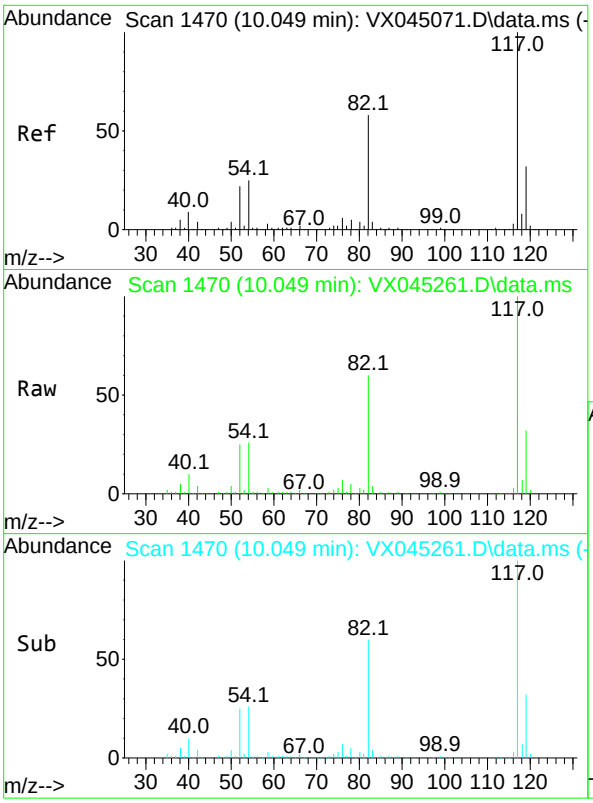


#62
4-Bromofluorobenzene
Concen: 56.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 95 Resp: 72484

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	68.4	0.0	141.4



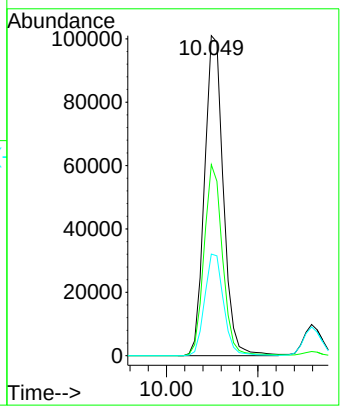


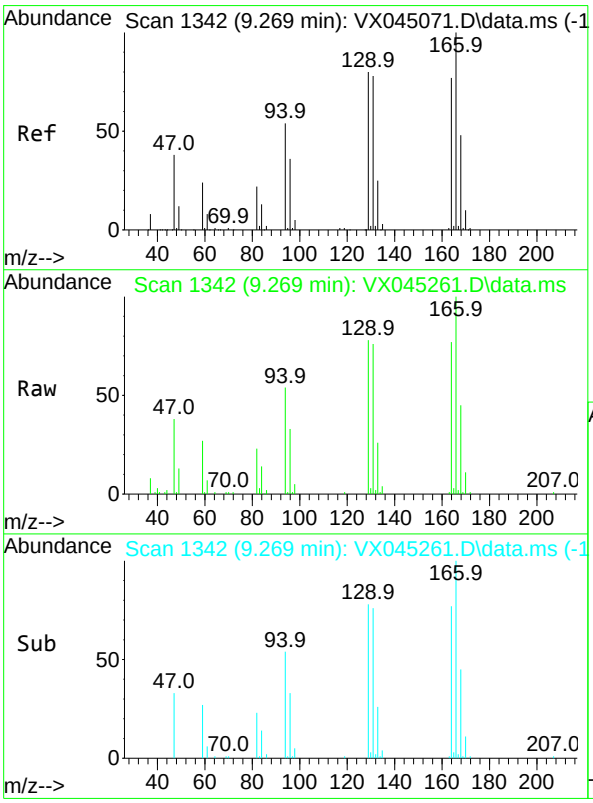
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:117 Resp: 144055

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	31.8	25.7	38.5

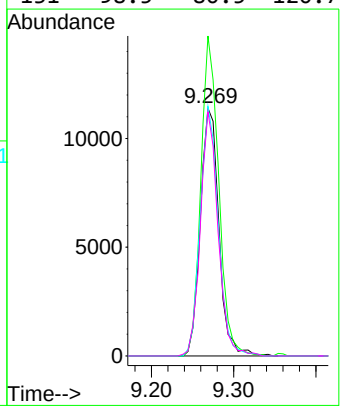


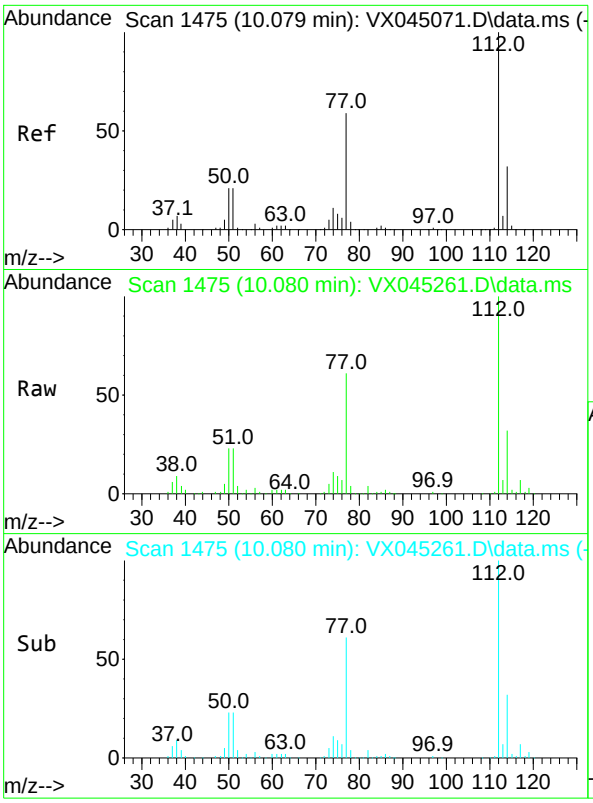


#64
Tetrachloroethene
Concen: 19.334 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:164 Resp: 17838

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	100.7	82.7	124.1
131	98.5	80.5	120.7



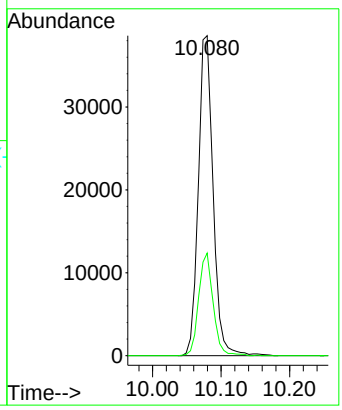


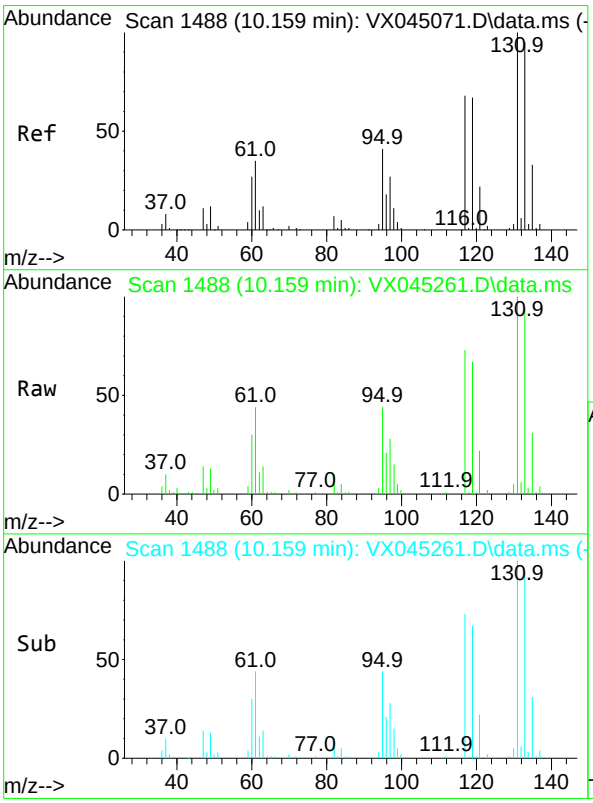
#65
Chlorobenzene
Concen: 19.041 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:112 Resp: 58039

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0

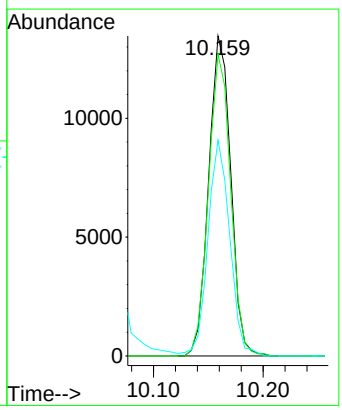


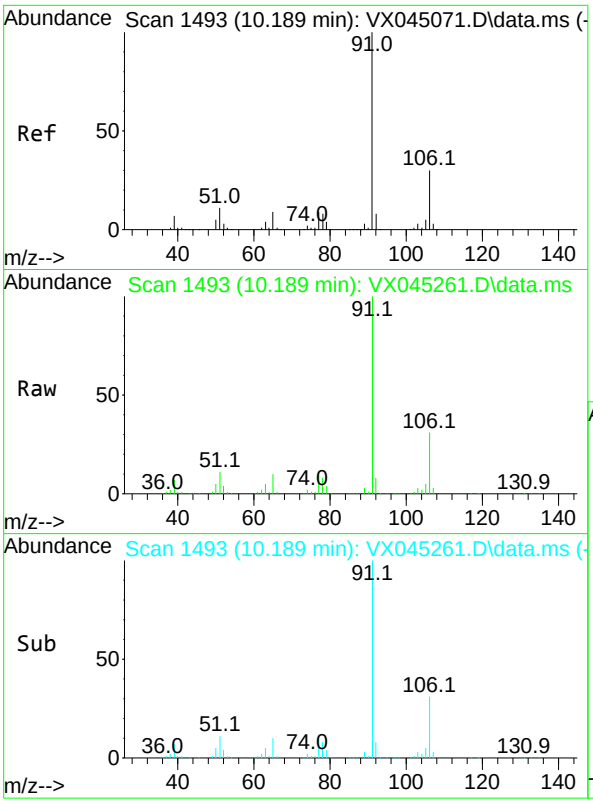


#66
1,1,1,2-Tetrachloroethane
Concen: 18.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:131 Resp: 18837

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	66.7	33.9	101.7



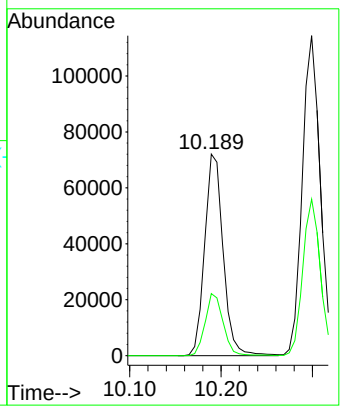


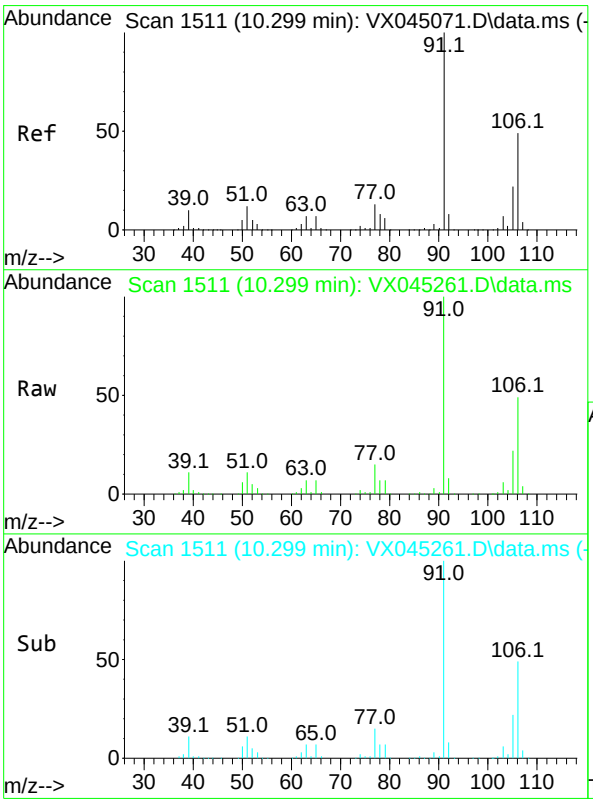
#67
Ethyl Benzene
Concen: 19.031 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 91 Resp: 101078

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

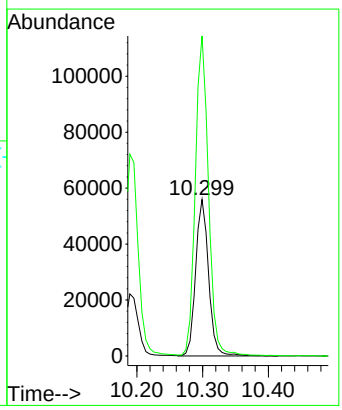


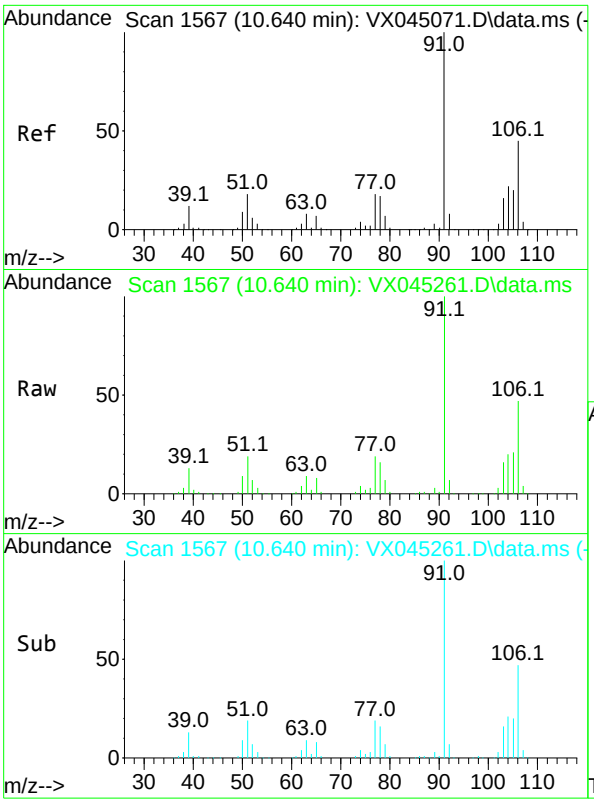


#68
m/p-Xylenes
Concen: 39.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:106 Resp: 76506

Ion	Ratio	Lower	Upper
106	100		
91	208.8	165.4	248.0



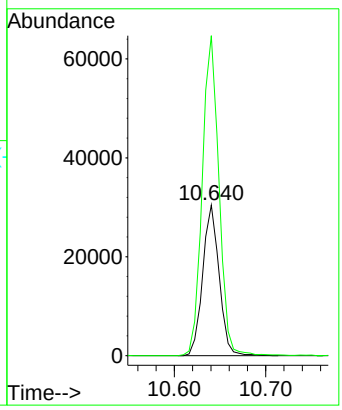


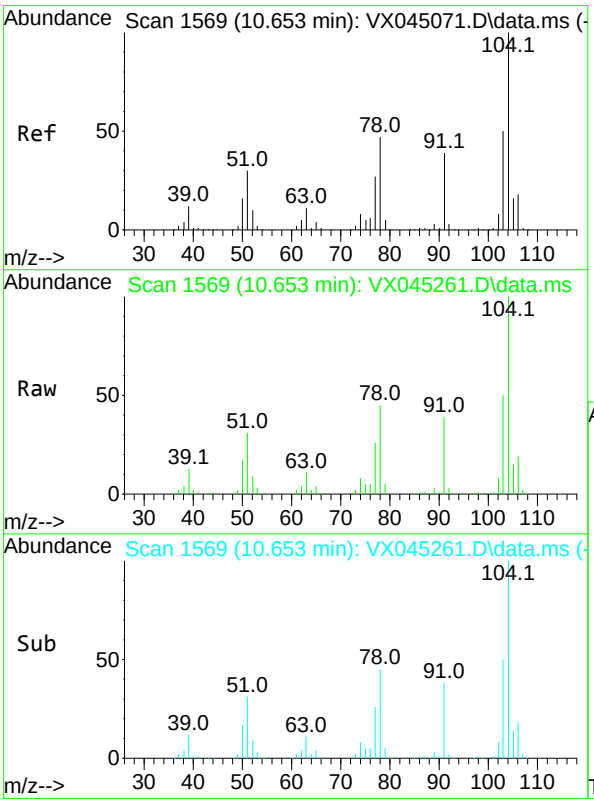
#69
o-Xylene
Concen: 19.426 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:106 Resp: 38094

Ion	Ratio	Lower	Upper
106	100		
91	216.0	109.9	329.6

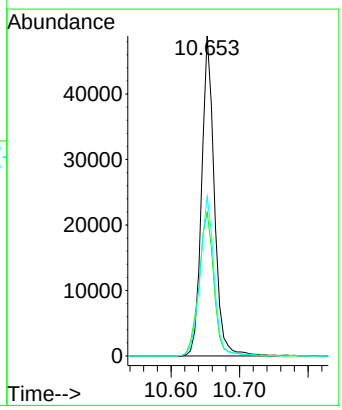


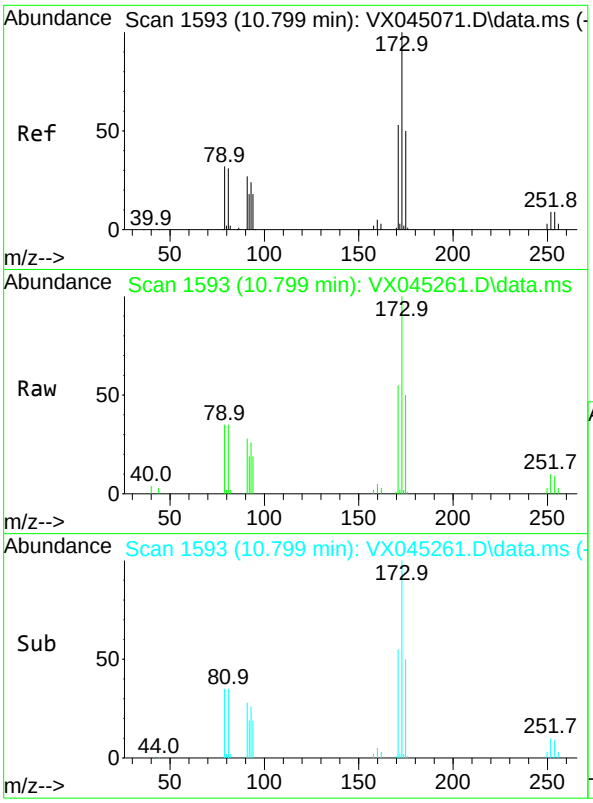


#70
Styrene
Concen: 20.022 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:104 Resp: 63529

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	55.0	43.8	65.8



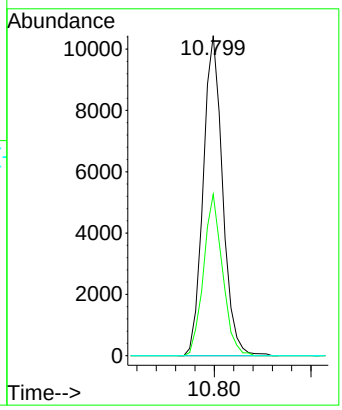


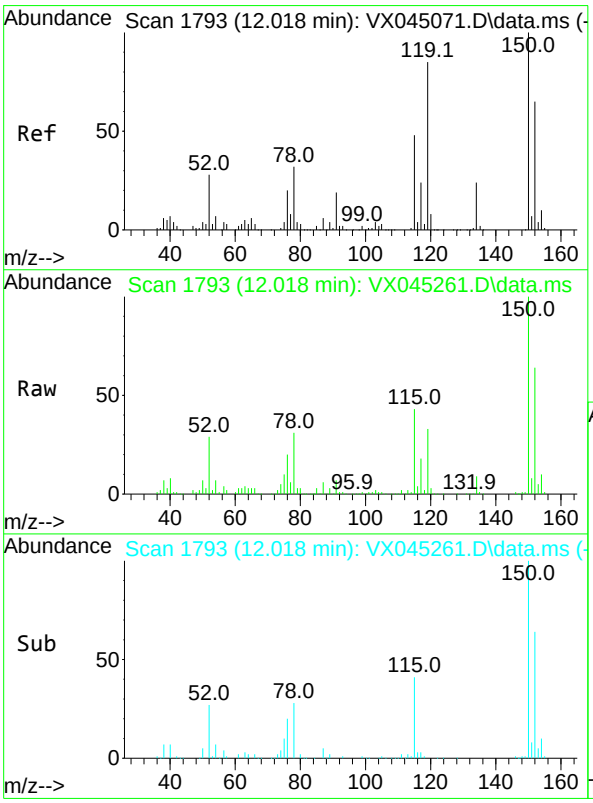
#71
Bromoform
Concen: 19.065 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:173 Resp: 14594

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.0	0.0	0.0

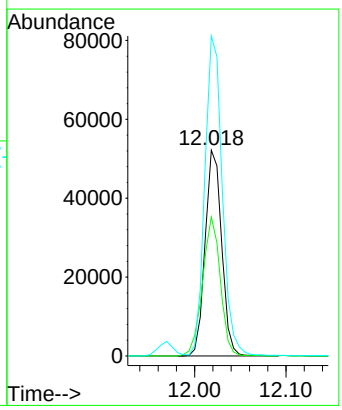


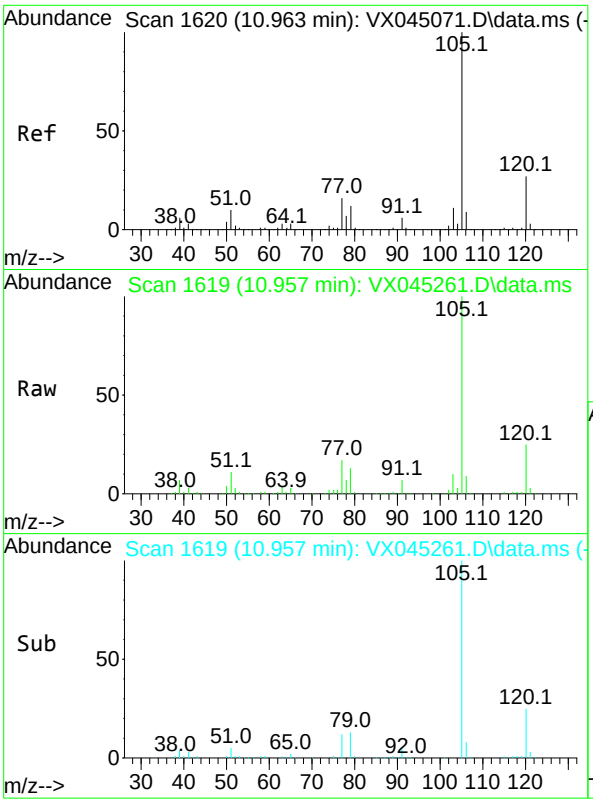


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:152 Resp: 65608

Ion	Ratio	Lower	Upper
152	100		
115	72.4	44.2	132.6
150	163.4	0.0	349.0



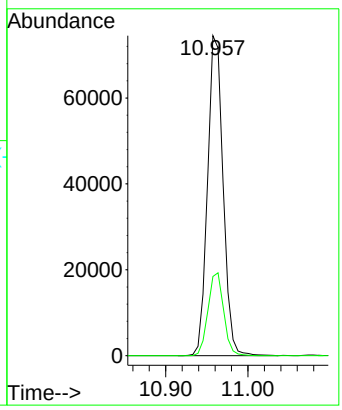


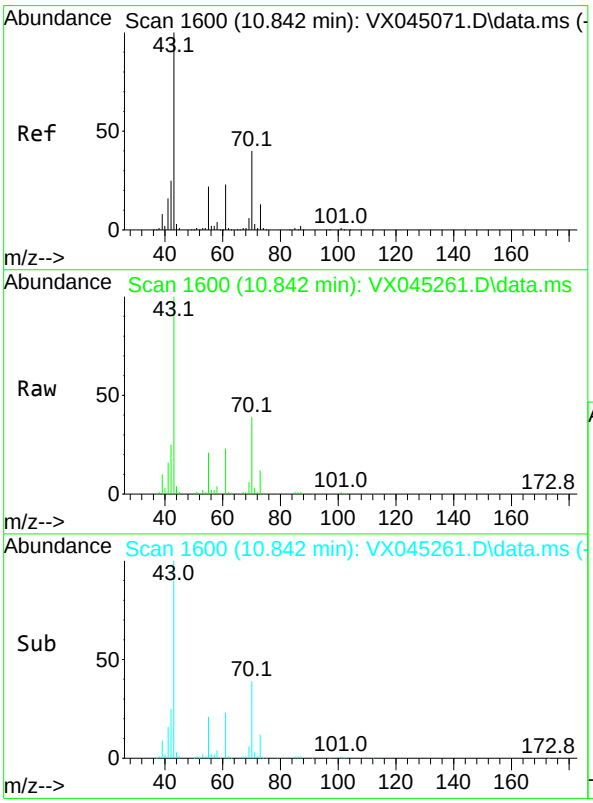
#73
Isopropylbenzene
Concen: 19.159 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:105 Resp: 98112

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

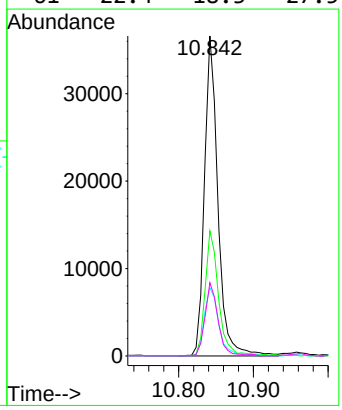


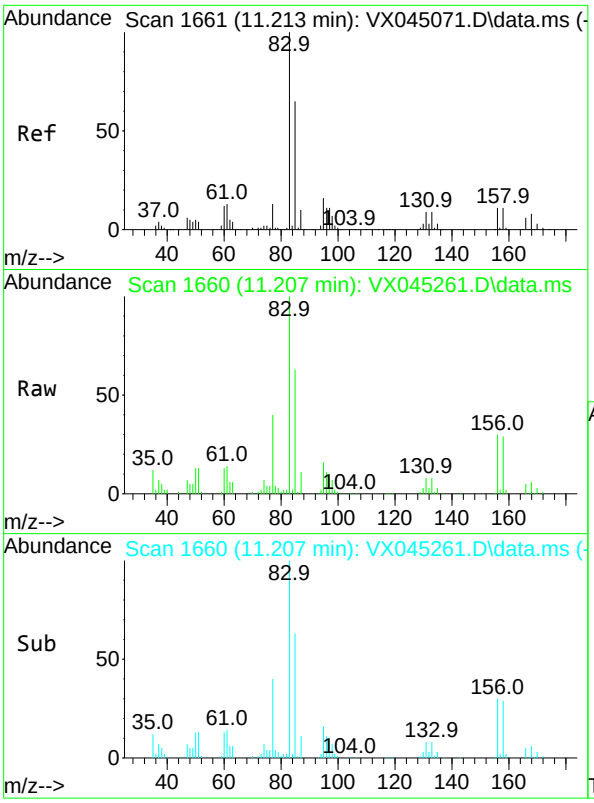


#74
N-amyl acetate
Concen: 19.074 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 43 Resp: 45833

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	23.1	18.3	27.5
61	22.4	18.3	27.5



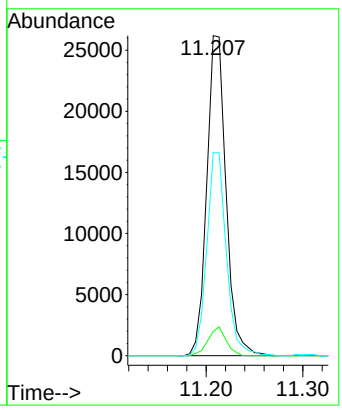


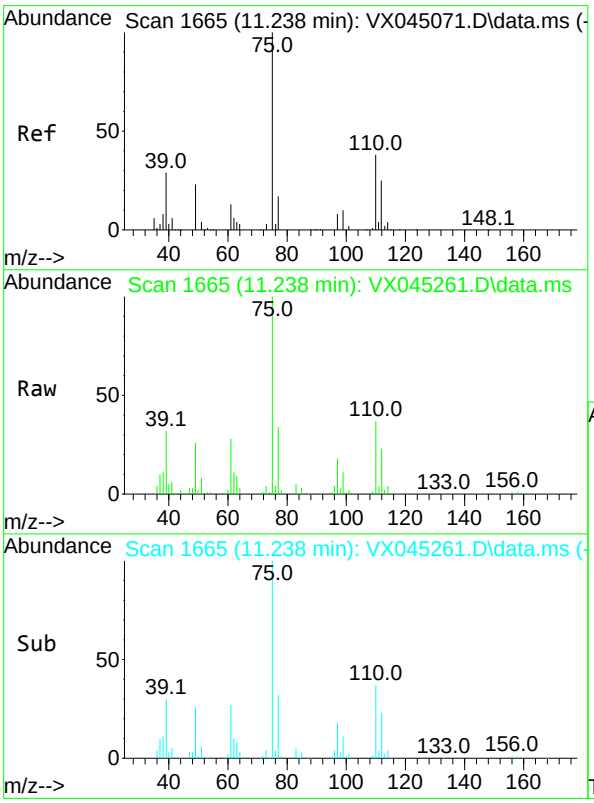
#75
1,1,2,2-Tetrachloroethane
Concen: 19.306 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 83 Resp: 36279

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.5	13.4
85	64.2	31.7	95.1

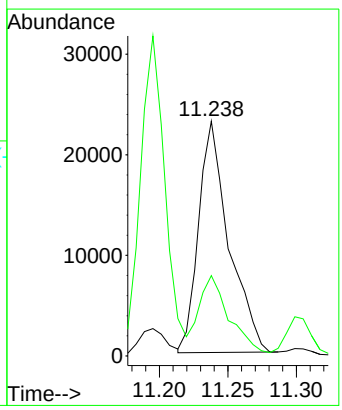


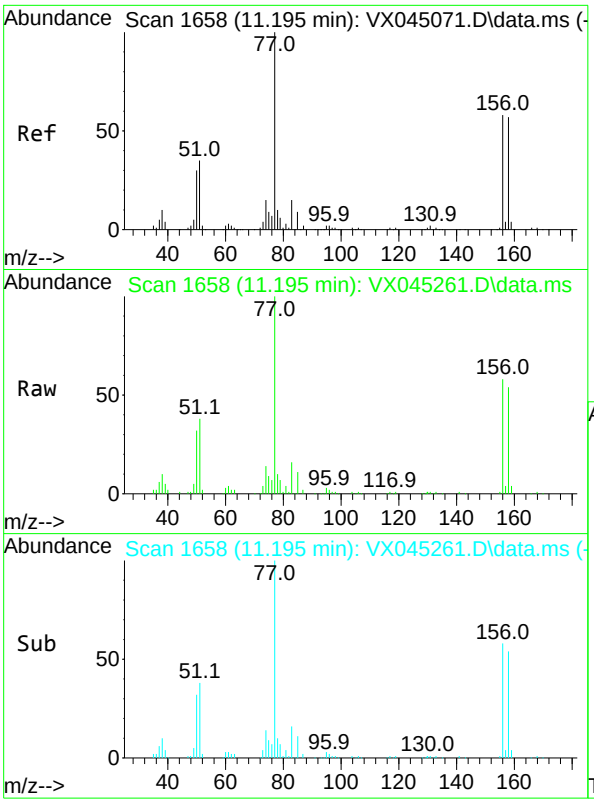


#76
1,2,3-Trichloropropane
Concen: 23.199 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 35425

Ion	Ratio	Lower	Upper
75	100		
77	35.5	20.7	62.1



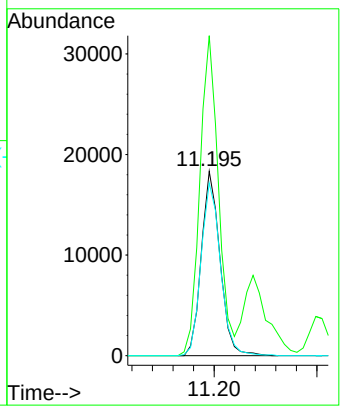


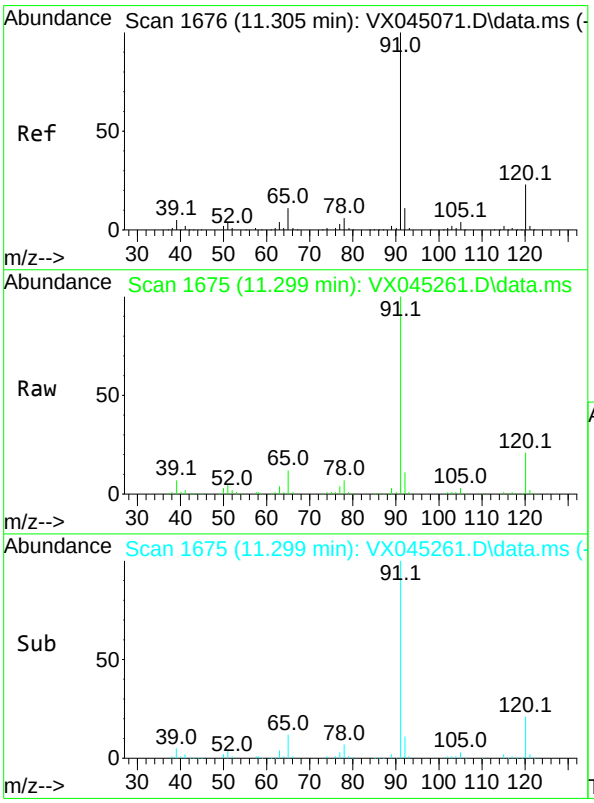
#77
Bromobenzene
Concen: 19.190 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:156 Resp: 23186

Ion	Ratio	Lower	Upper
156	100		
77	172.4	85.8	257.4
158	97.6	48.4	145.2

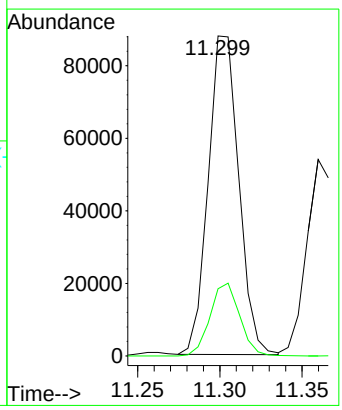


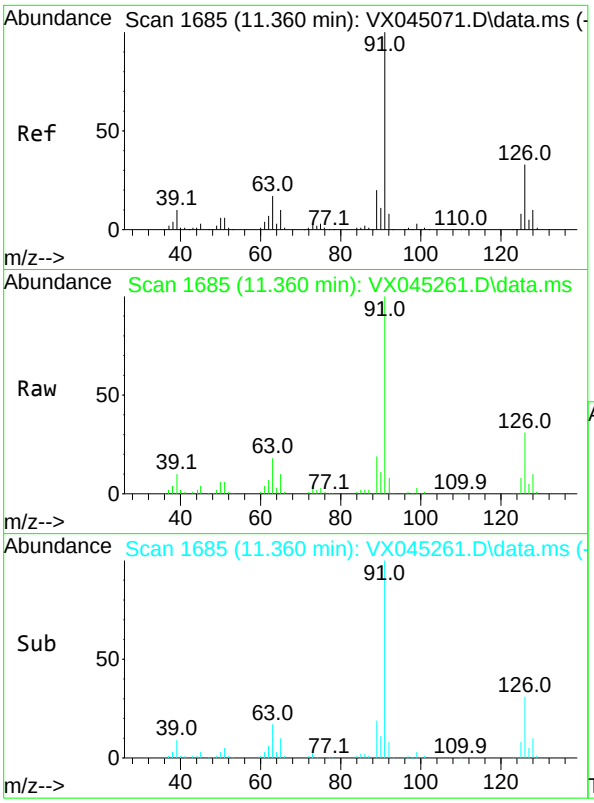


#78
n-propylbenzene
Concen: 19.647 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 91 Resp: 113653

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



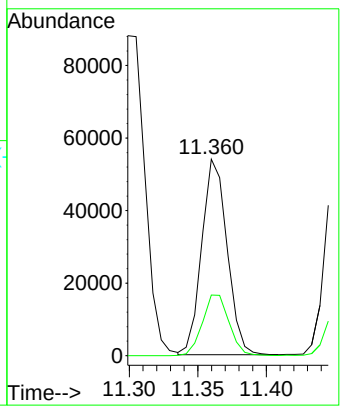


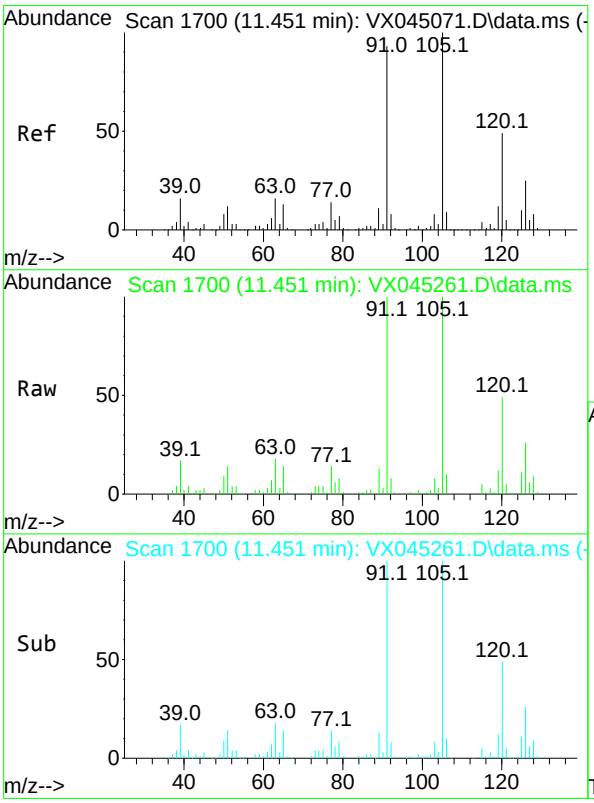
#79
2-Chlorotoluene
Concen: 18.847 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 91 Resp: 69432

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

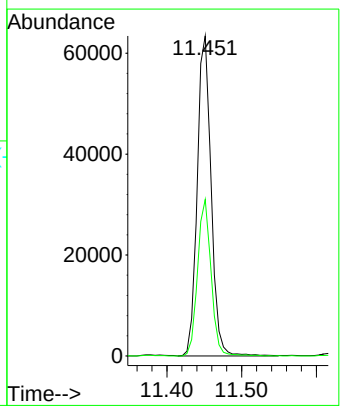


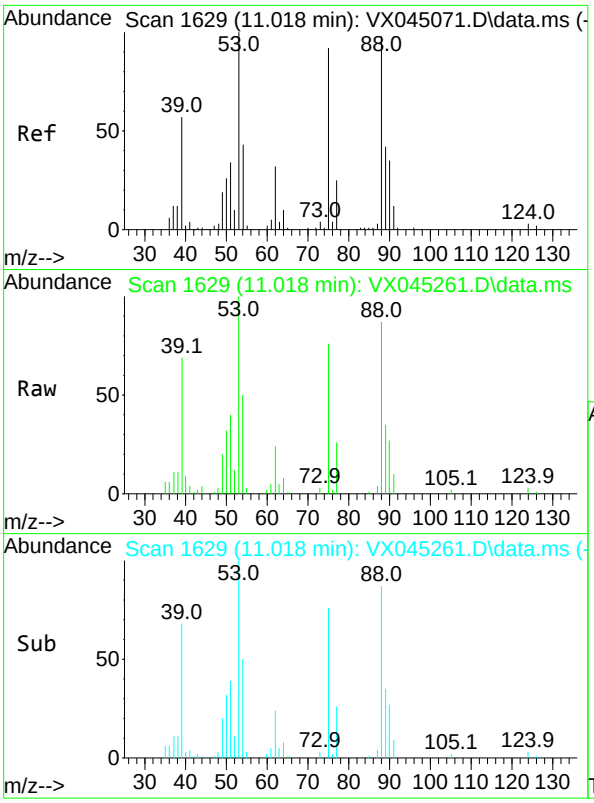


#80
1,3,5-Trimethylbenzene
Concen: 19.758 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 81812

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



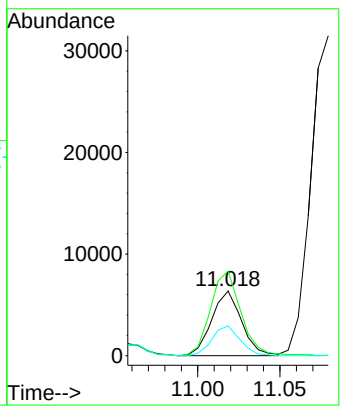


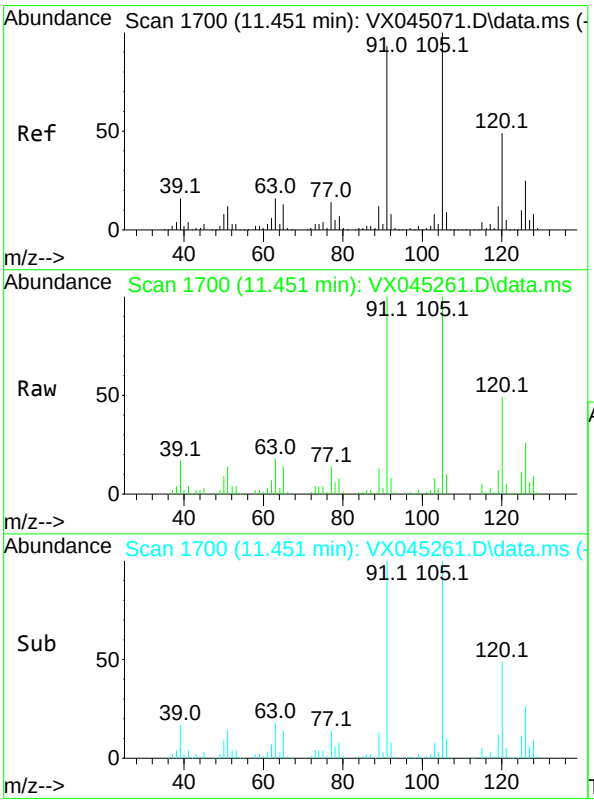
#81
trans-1,4-Dichloro-2-butene
Concen: 18.059 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 75 Resp: 8058

Ion	Ratio	Lower	Upper
75	100		
53	133.6	88.5	132.7#
89	43.3	36.2	54.4

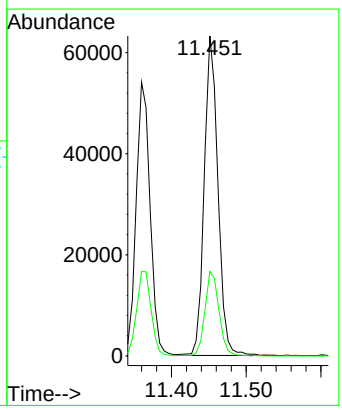


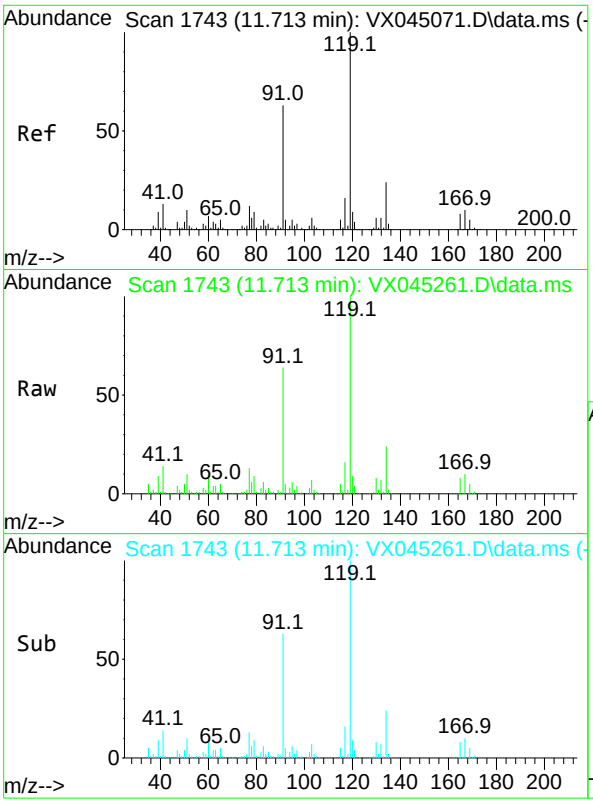


#82
4-Chlorotoluene
Concen: 20.026 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 91 Resp: 80408

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



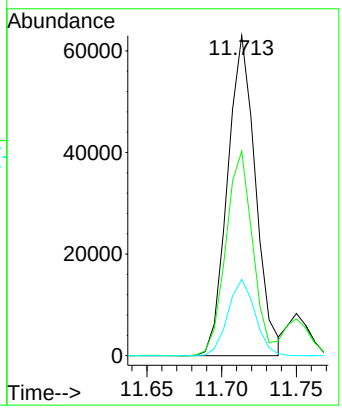


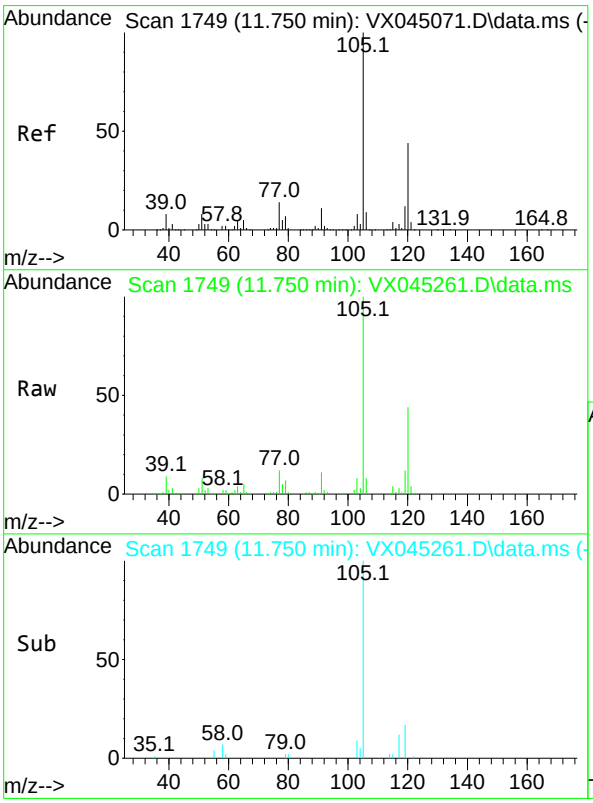
#83
tert-Butylbenzene
Concen: 19.222 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:119 Resp: 81780

Ion	Ratio	Lower	Upper
119	100		
91	62.4	30.7	92.1
134	23.2	11.7	35.0

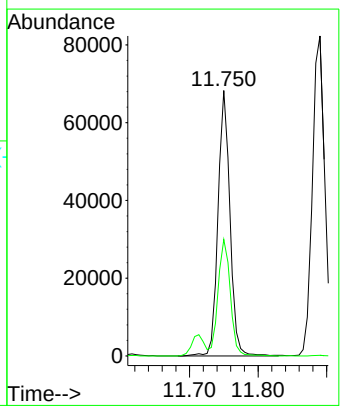


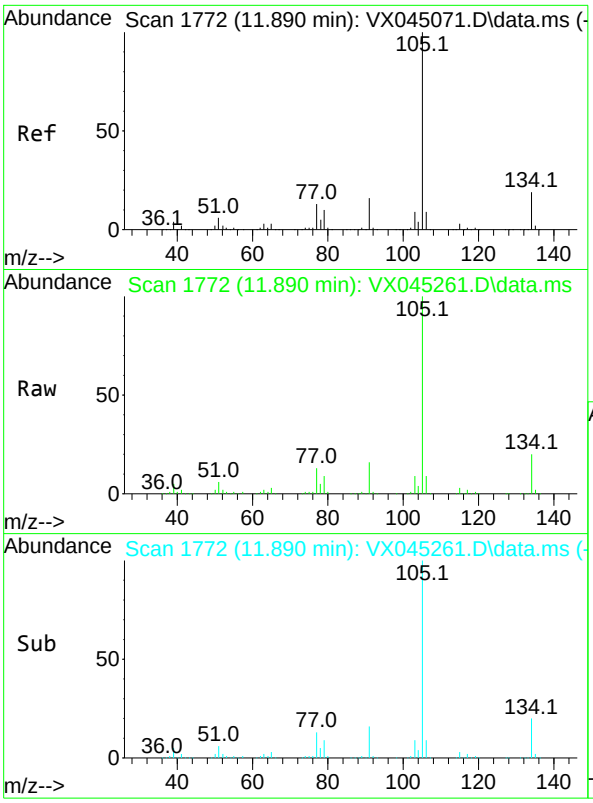


#84
1,2,4-Trimethylbenzene
Concen: 19.820 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:105 Resp: 82575

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.1



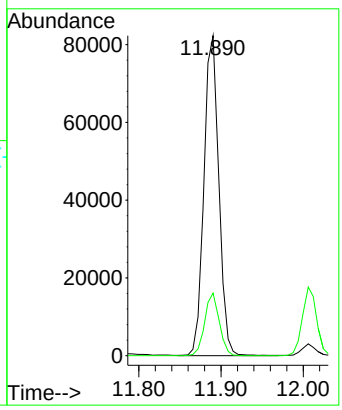


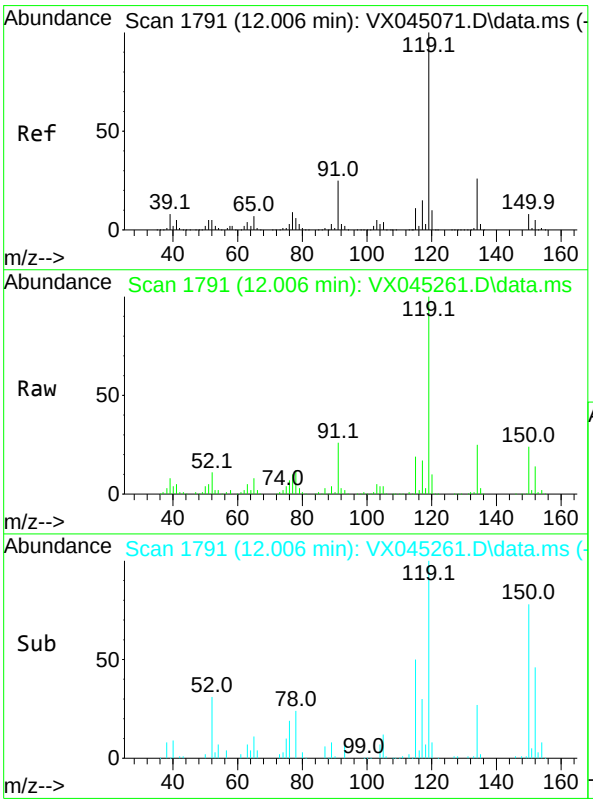
#85
sec-Butylbenzene
Concen: 20.341 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:105 Resp: 103663

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

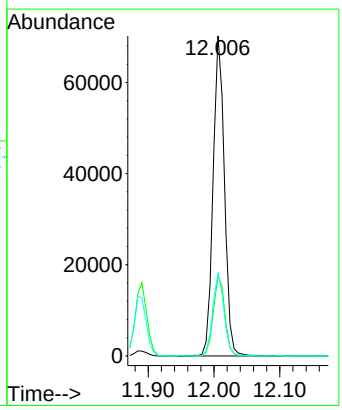


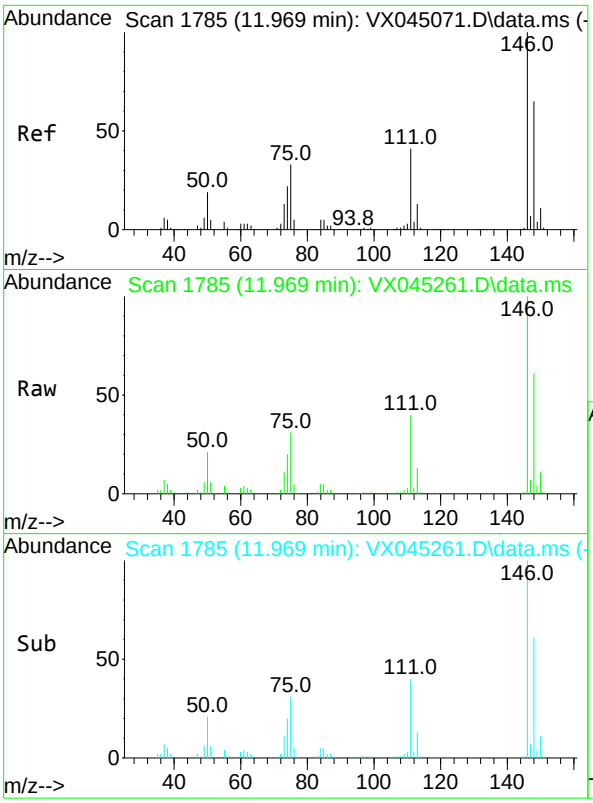


#86
p-Isopropyltoluene
Concen: 20.444 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:119 Resp: 84197

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	25.9	12.7	38.0



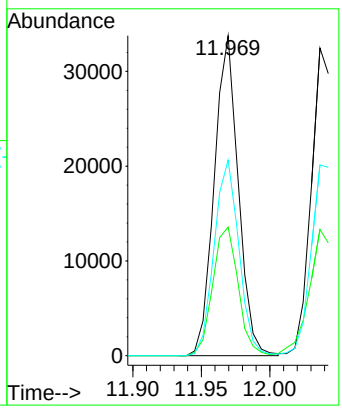


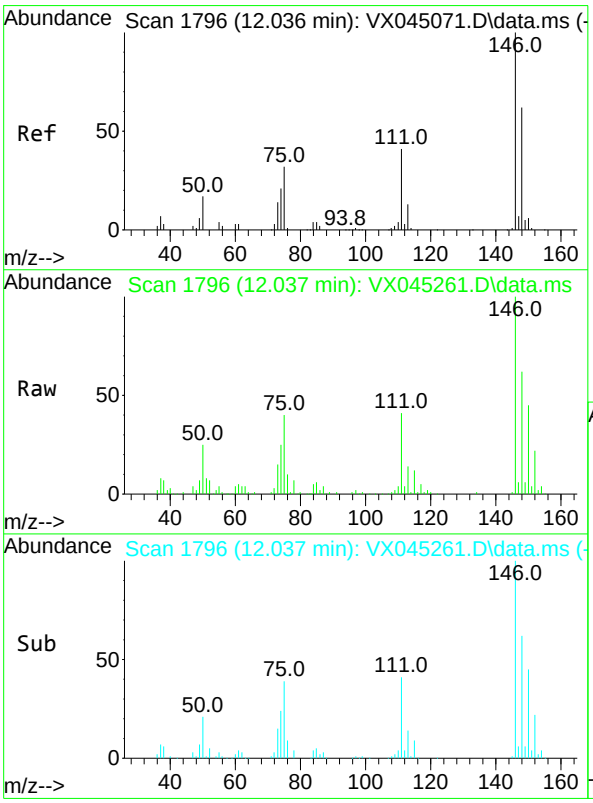
#87
1,3-Dichlorobenzene
Concen: 19.098 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:146 Resp: 41164

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.0	31.9	95.7

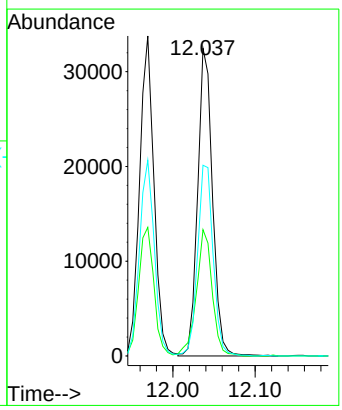


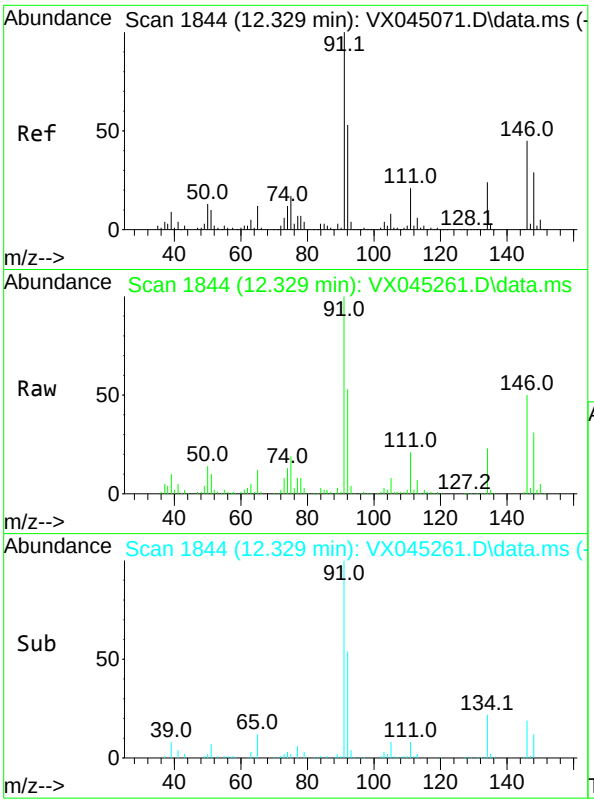


#88
1,4-Dichlorobenzene
Concen: 18.744 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:146 Resp: 40874

Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.2	60.5
148	65.1	31.9	95.9



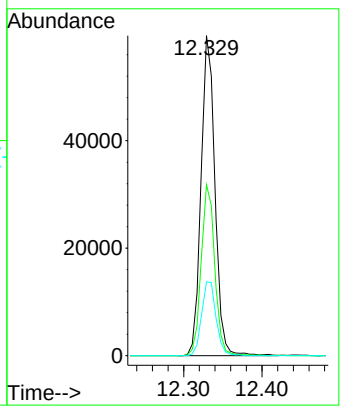


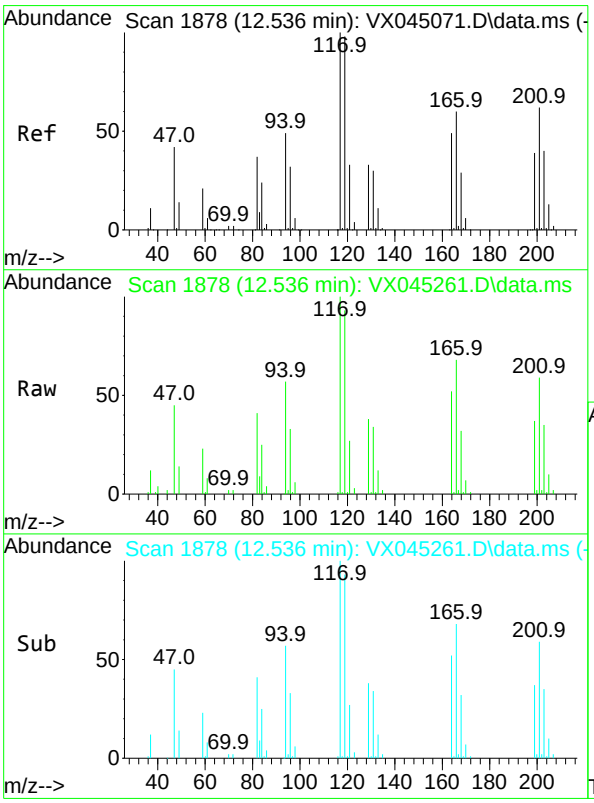
#89
n-Butylbenzene
Concen: 20.691 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion: 91 Resp: 73393

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	24.0	12.2	36.6

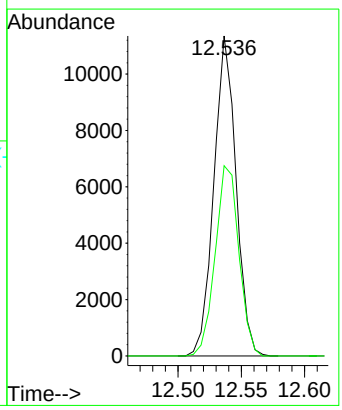


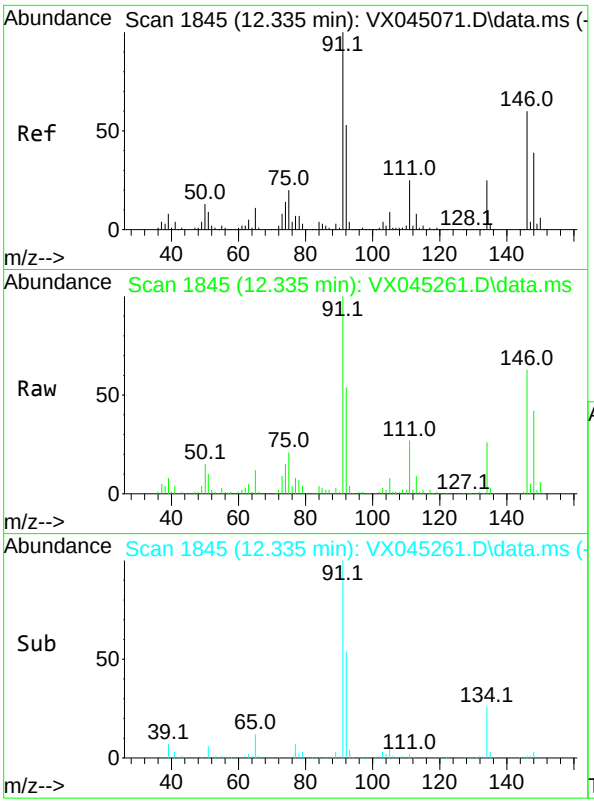


#90
Hexachloroethane
Concen: 18.541 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:117 Resp: 13812

Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.9	95.9



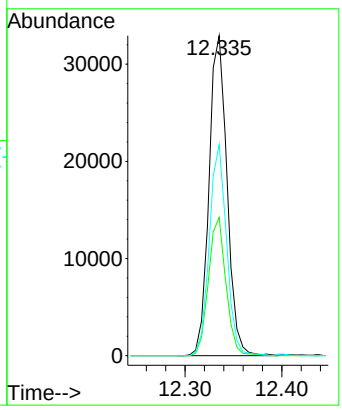


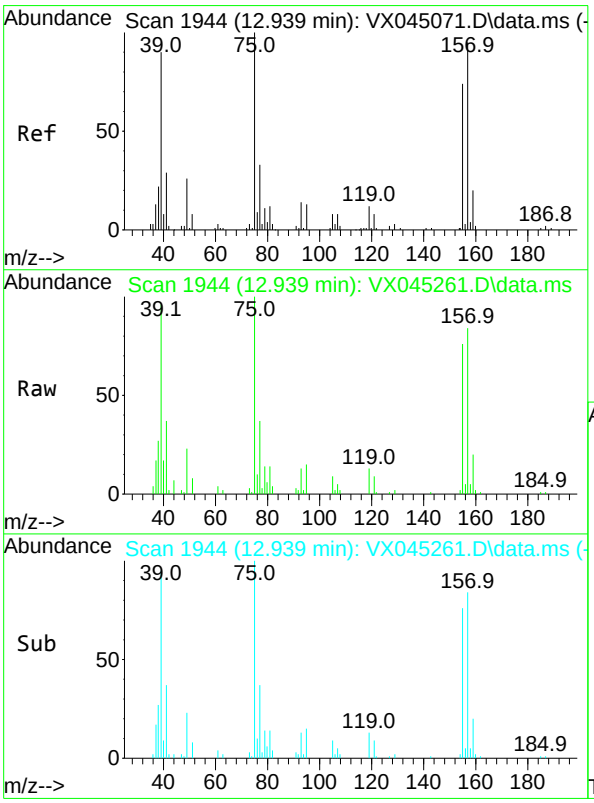
#91
1,2-Dichlorobenzene
Concen: 19.759 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:146 Resp: 42723

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.6	65.0
148	63.2	31.9	95.9

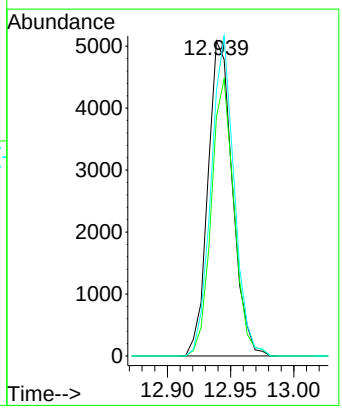


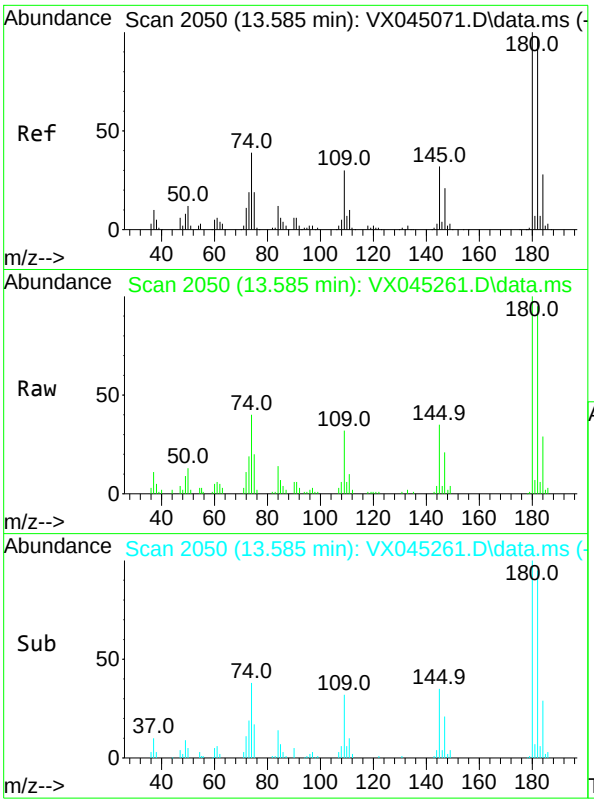


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.705 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion: 75 Resp: 6848

Ion	Ratio	Lower	Upper
75	100		
155	81.7	39.6	118.7
157	95.6	51.1	153.4



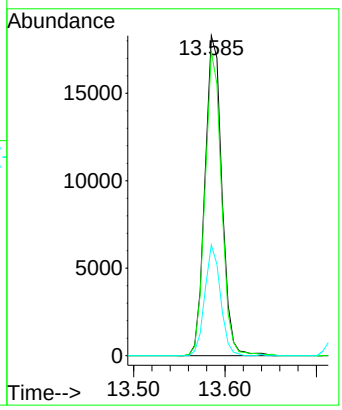


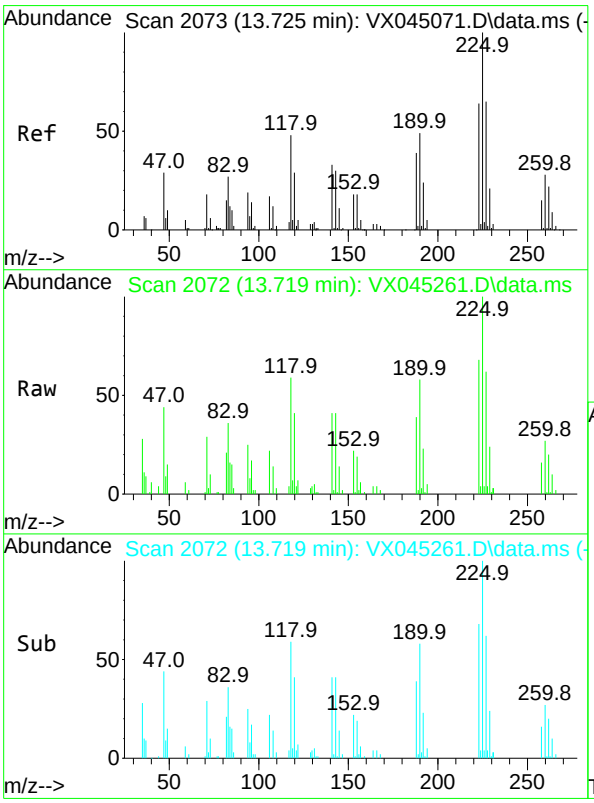
#93
1,2,4-Trichlorobenzene
Concen: 19.022 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:180 Resp: 23419

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.9
145	32.1	16.3	48.9

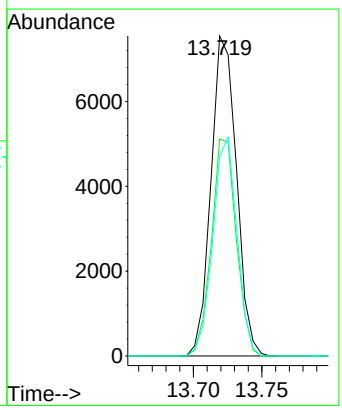


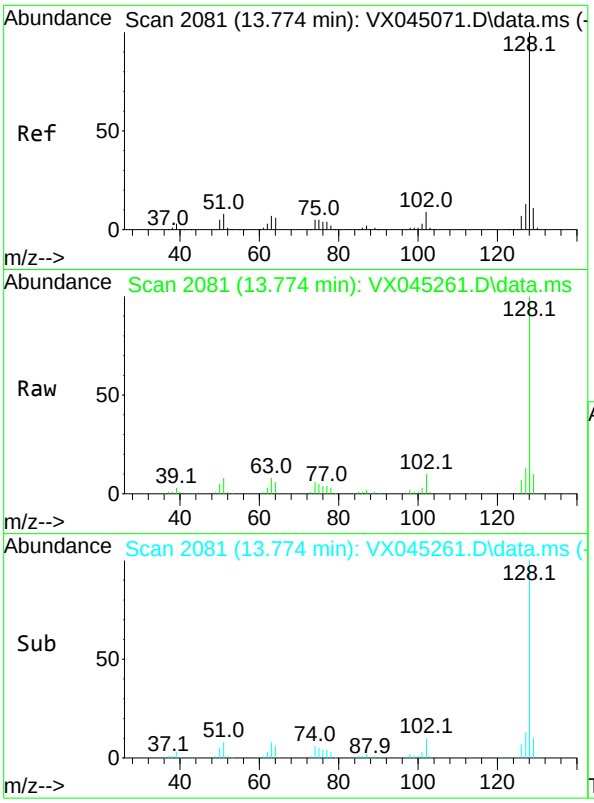


#94
Hexachlorobutadiene
Concen: 19.285 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:225 Resp: 9734

Ion	Ratio	Lower	Upper
225	100		
223	66.4	31.9	95.7
227	65.1	31.4	94.0



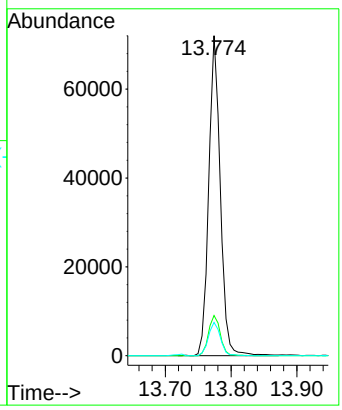


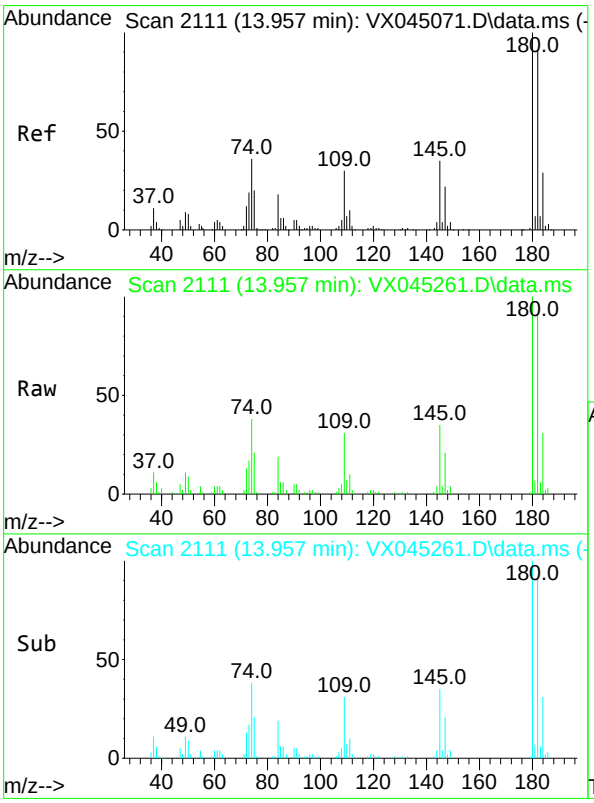
#95
Naphthalene
Concen: 18.614 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tgt Ion:128 Resp: 88047

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

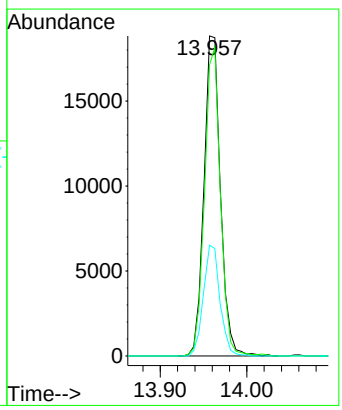




#96
1,2,3-Trichlorobenzene
Concen: 19.187 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045261.D
Acq: 13 Mar 2025 12:04

Tgt Ion:180 Resp: 24920

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.5	142.6
145	34.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	78405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140955	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65233	52.306	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%			
35) Dibromofluoromethane	5.385	113	48417	51.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	8.647	98	167073	48.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.780%			
62) 4-Bromofluorobenzene	11.079	95	60679	53.590	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	50504	51.173	ug/l	97
3) Chloromethane	1.307	50	63240	52.360	ug/l	99
4) Vinyl Chloride	1.374	62	55907	46.661	ug/l	97
5) Bromomethane	1.593	94	24345	51.687	ug/l	99
6) Chloroethane	1.660	64	29840	53.994	ug/l	97
7) Trichlorofluoromethane	1.867	101	81018	51.079	ug/l	99
8) Diethyl Ether	2.130	74	29900	48.195	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	51125	56.104	ug/l	98
10) Methyl Iodide	2.441	142	65409	57.437	ug/l	96
11) Tert butyl alcohol	2.983	59	51712	218.906	ug/l	99
12) 1,1-Dichloroethene	2.306	96	49579	51.461	ug/l	92
13) Acrolein	2.233	56	81067	296.868	ug/l	99
14) Allyl chloride	2.654	41	94474	55.089	ug/l	97
15) Acrylonitrile	3.062	53	174965	276.353	ug/l	99
16) Acetone	2.386	43	154659	267.281	ug/l	99
17) Carbon Disulfide	2.501	76	110090	42.902	ug/l	97
18) Methyl Acetate	2.703	43	89637	64.394	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	174146	53.877	ug/l	99
20) Methylene Chloride	2.782	84	60134	52.463	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	50278	52.824	ug/l	98
22) Diisopropyl ether	3.757	45	190943	54.746	ug/l #	85
23) Vinyl Acetate	3.721	43	806616	277.131	ug/l	99
24) 1,1-Dichloroethane	3.605	63	105449	53.947	ug/l	100
25) 2-Butanone	4.556	43	244623	280.855	ug/l	98
26) 2,2-Dichloropropane	4.471	77	59987	65.428	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	62579	53.261	ug/l	94
28) Bromochloromethane	4.891	49	47770	51.273	ug/l	99
29) Tetrahydrofuran	5.007	42	155811	266.382	ug/l	99
30) Chloroform	5.086	83	107504	55.352	ug/l	98
31) Cyclohexane	5.458	56	85484	50.380	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	85589	54.563	ug/l	97
36) 1,1-Dichloropropene	5.684	75	69025	53.401	ug/l	100
37) Ethyl Acetate	4.714	43	88828	53.332	ug/l	100
38) Carbon Tetrachloride	5.672	117	70158	53.462	ug/l	99
39) Methylcyclohexane	7.373	83	81984	52.933	ug/l	98
40) Benzene	6.031	78	219114	53.682	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	53981	59.938	ug/l		99
42) 1,2-Dichloroethane	6.080	62	84656	57.596	ug/l		98
43) Isopropyl Acetate	6.342	43	138413	56.199	ug/l		99
44) Trichloroethene	7.123	130	50340	52.524	ug/l		97
45) 1,2-Dichloropropane	7.427	63	55930	53.295	ug/l		100
46) Dibromomethane	7.580	93	41881	56.462	ug/l		97
47) Bromodichloromethane	7.818	83	83222	57.200	ug/l		99
48) Methyl methacrylate	7.690	41	72075	58.331	ug/l		96
49) 1,4-Dioxane	7.659	88	27475	1054.131	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	496755	300.388	ug/l		100
52) Toluene	8.714	92	131767	55.022	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	69530	57.163	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	79901	56.333	ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	54980	55.767	ug/l		100
56) Ethyl methacrylate	9.116	69	88248	58.887	ug/l		96
57) 1,3-Dichloropropane	9.305	76	95439	55.938	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	215042	294.162	ug/l		100
59) 2-Hexanone	9.427	43	366447	305.836	ug/l		99
60) Dibromochloromethane	9.518	129	59204	57.433	ug/l		98
61) 1,2-Dibromoethane	9.610	107	55049	55.933	ug/l		98
64) Tetrachloroethene	9.269	164	42248	52.441	ug/l		97
65) Chlorobenzene	10.079	112	142375	53.491	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	48534	54.755	ug/l		97
67) Ethyl Benzene	10.189	91	253416	54.641	ug/l		99
68) m/p-Xylenes	10.299	106	185589	109.313	ug/l		97
69) o-Xylene	10.640	106	91772	53.595	ug/l		97
70) Styrene	10.652	104	159983	57.742	ug/l		99
71) Bromoform	10.799	173	38366	57.398	ug/l	#	99
73) Isopropylbenzene	10.963	105	243836	52.919	ug/l		98
74) N-amyl acetate	10.841	43	121472	56.183	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	88973	52.620	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	90536	65.892	ug/l		87
77) Bromobenzene	11.195	156	56307	51.793	ug/l		96
78) n-propylbenzene	11.305	91	283376	54.443	ug/l		99
79) 2-Chlorotoluene	11.360	91	172442	52.021	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	202034	54.228	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	21002	52.309	ug/l		88
82) 4-Chlorotoluene	11.451	91	199582	55.244	ug/l		99
83) tert-Butylbenzene	11.713	119	203383	53.130	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	206545	55.097	ug/l		100
85) sec-Butylbenzene	11.890	105	253038	55.182	ug/l		99
86) p-Isopropyltoluene	12.006	119	209335	56.490	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	103891	53.568	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	103661	52.831	ug/l		99
89) n-Butylbenzene	12.329	91	184773	57.893	ug/l		100
90) Hexachloroethane	12.536	117	36127	53.899	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	104122	53.519	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19045	57.816	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	59313	53.542	ug/l		98
94) Hexachlorobutadiene	13.725	225	24229	53.348	ug/l		99
95) Naphthalene	13.774	128	229675	53.962	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62234	53.253	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

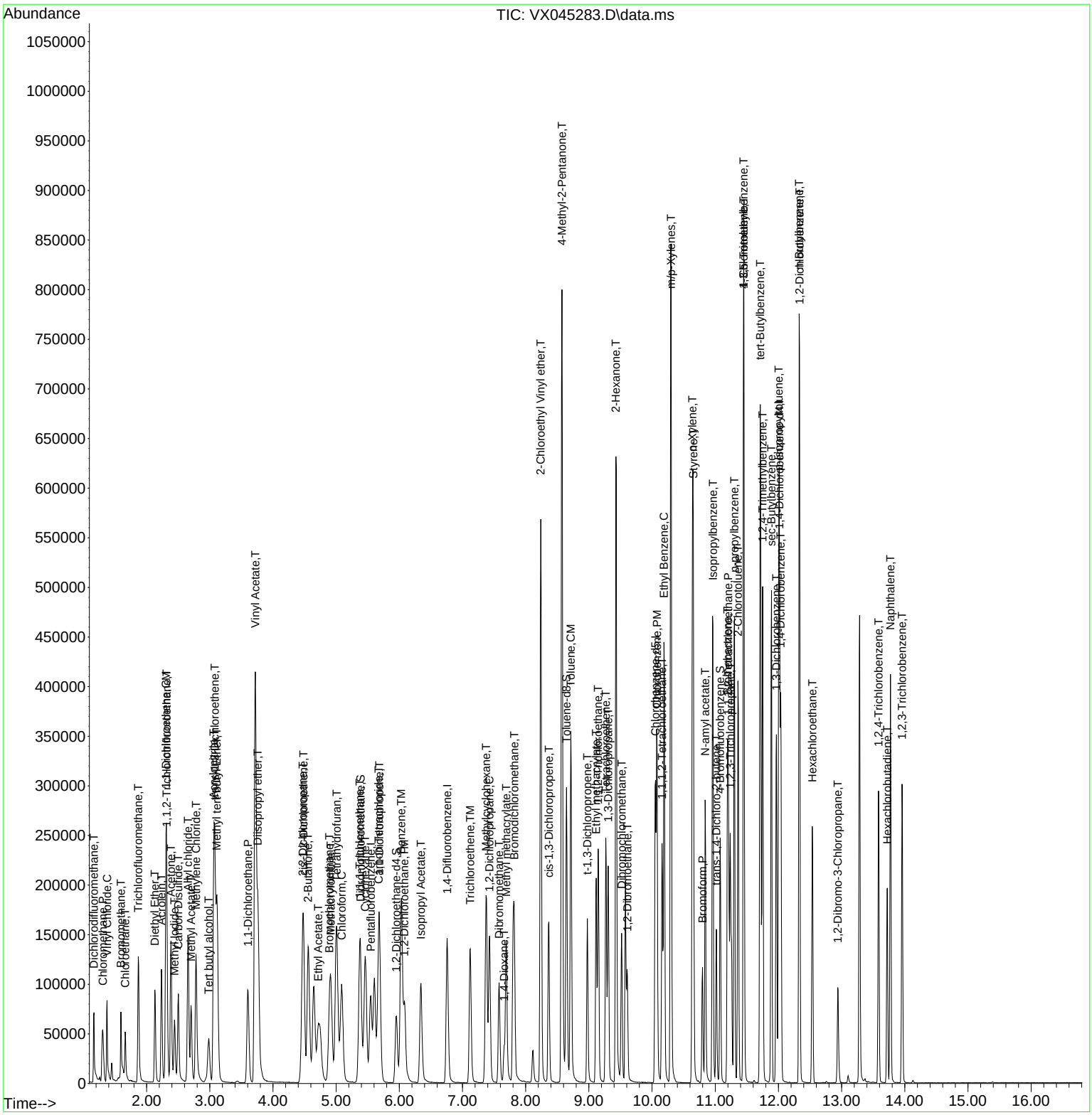
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

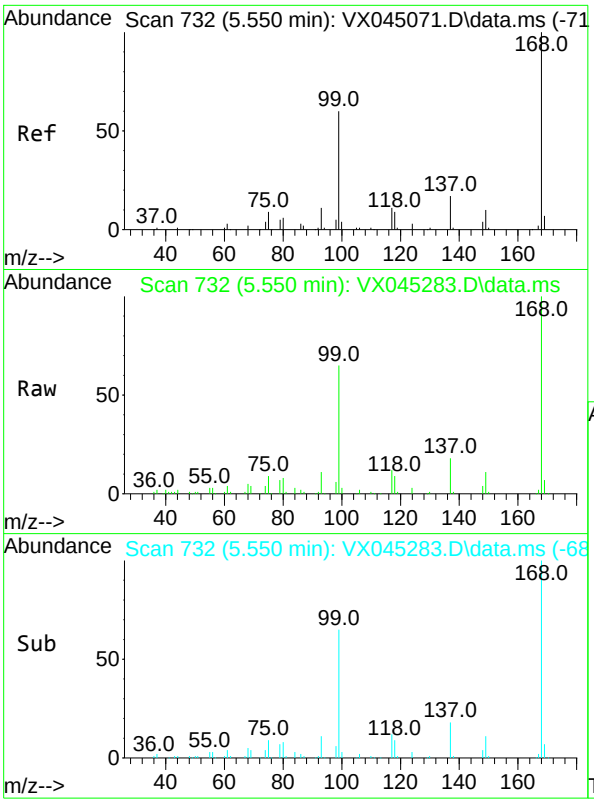
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045283.D
Acq On : 13 Mar 2025 20:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 14 12:30:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



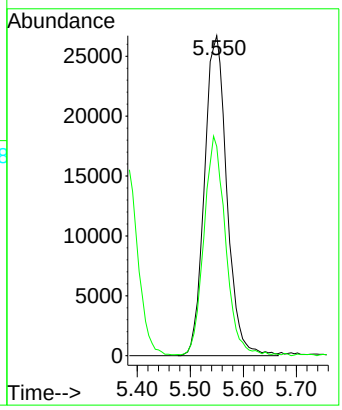


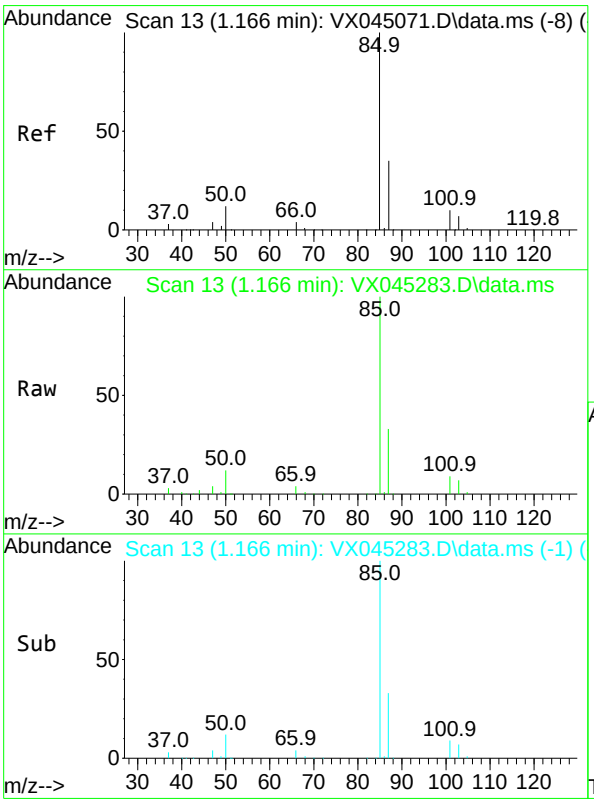
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 78405

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4

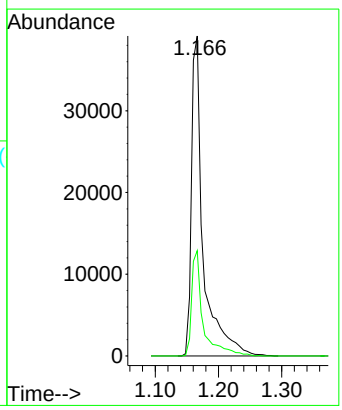


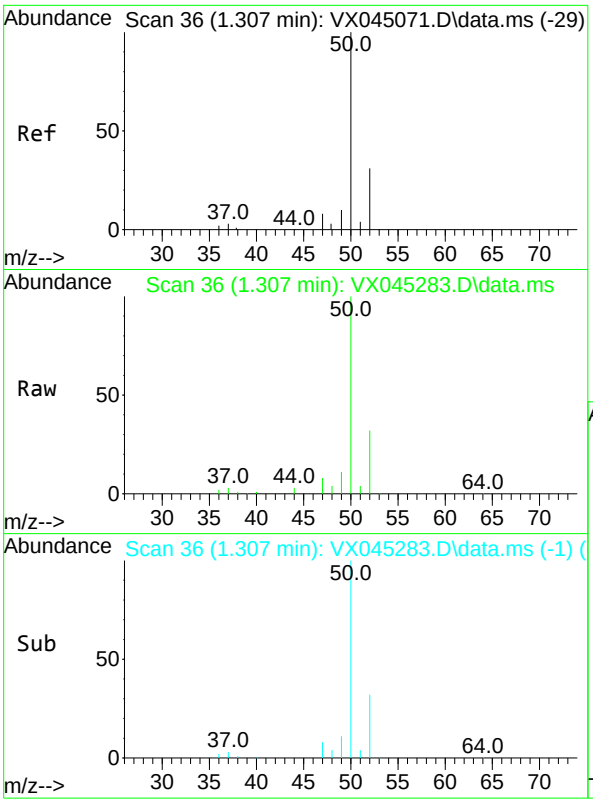


#2
Dichlorodifluoromethane
Concen: 51.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 85 Resp: 50504

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3



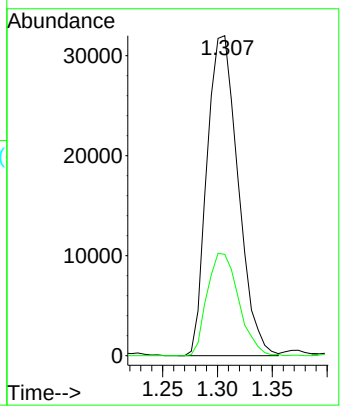


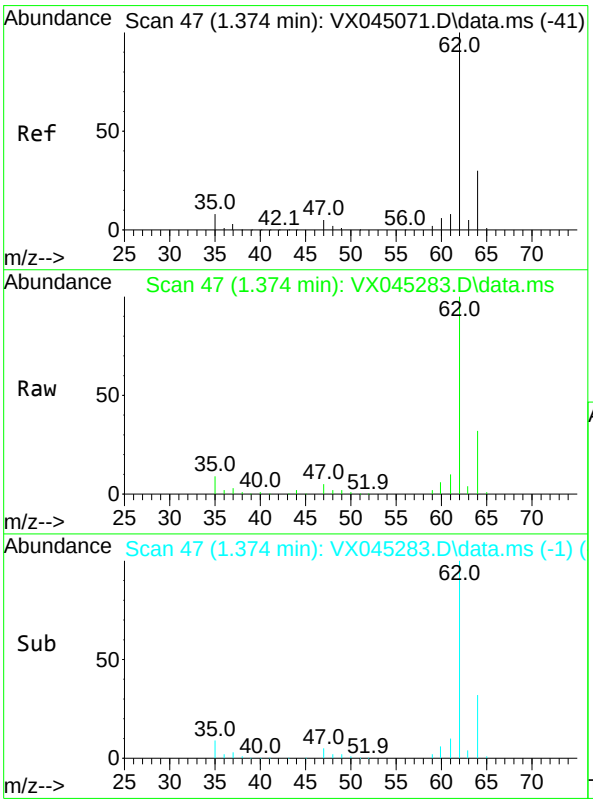
#3
Chloromethane
Concen: 52.360 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 63240

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.4

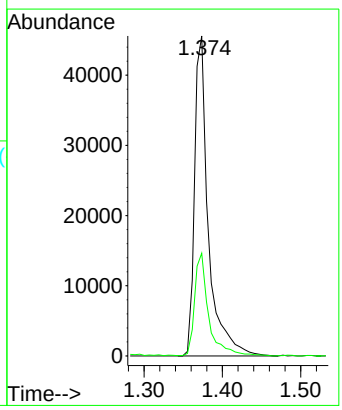


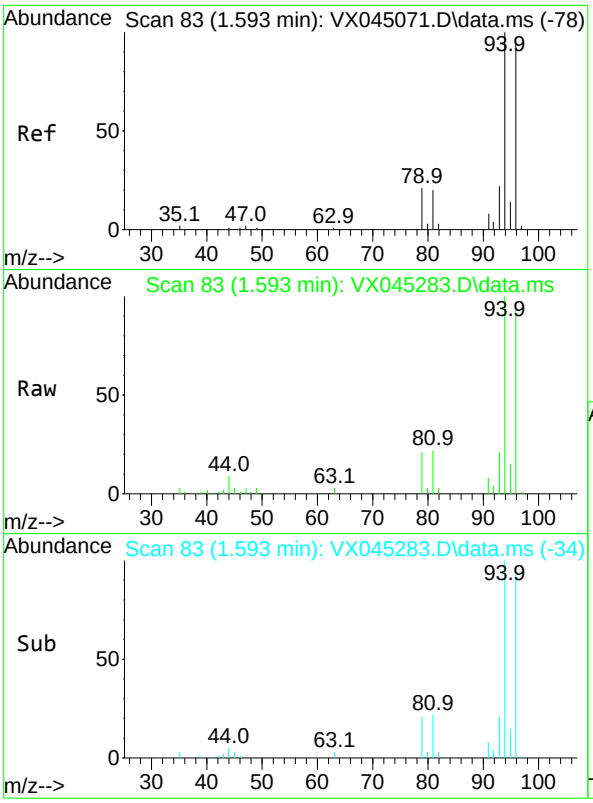


#4
Vinyl Chloride
Concen: 46.661 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 62 Resp: 55907

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



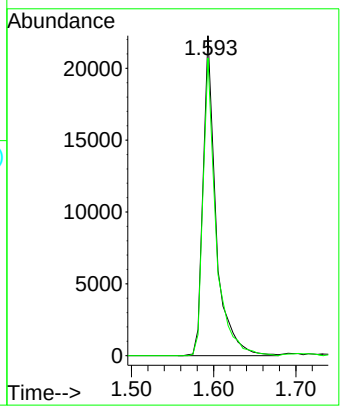


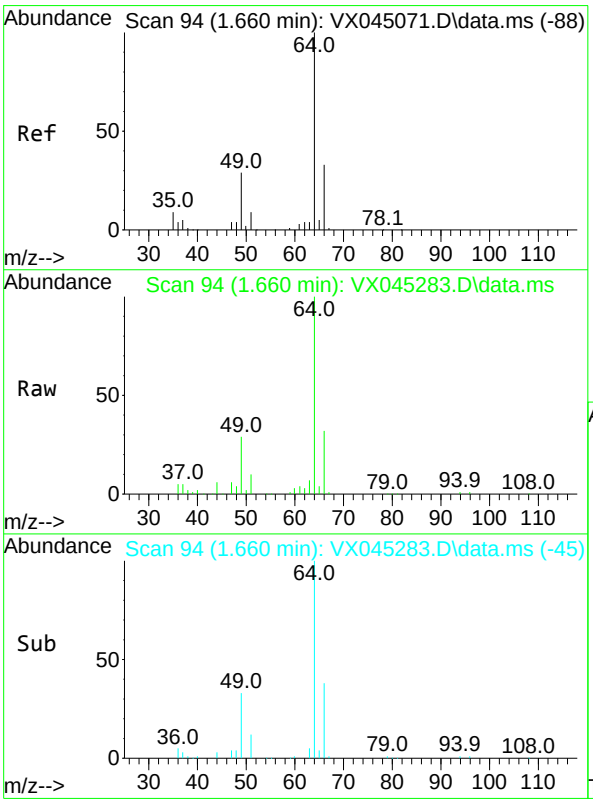
#5
Bromomethane
Concen: 51.687 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 24345

Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.0	112.4

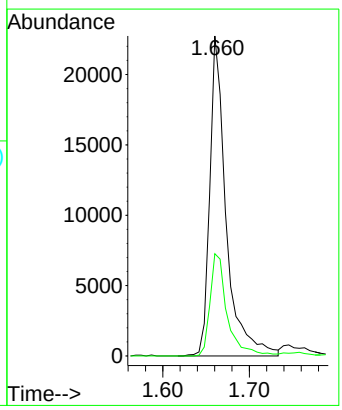


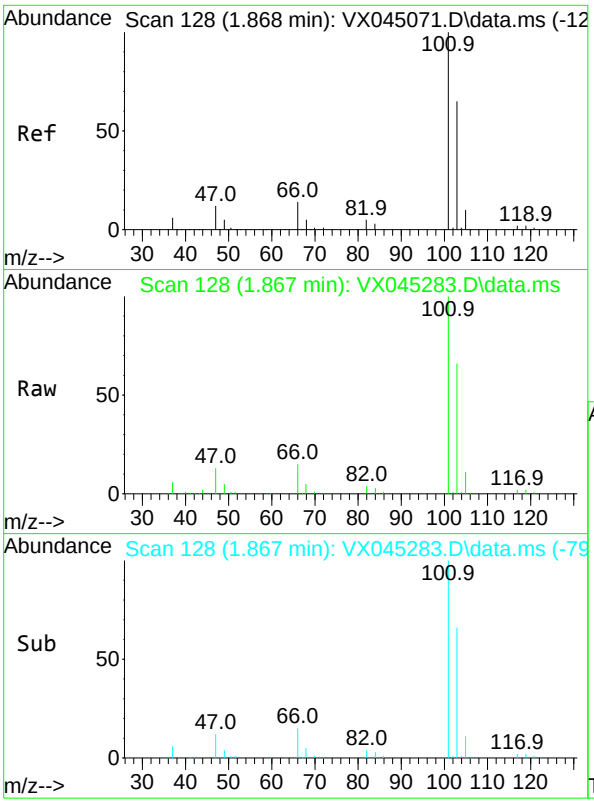


#6
Chloroethane
Concen: 53.994 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 64 Resp: 29840

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.7	40.1



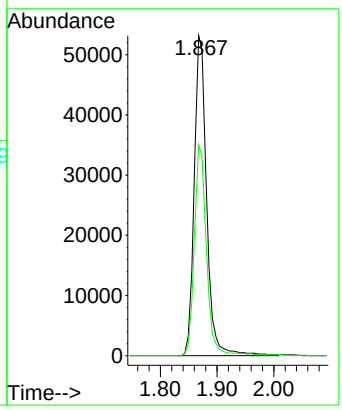


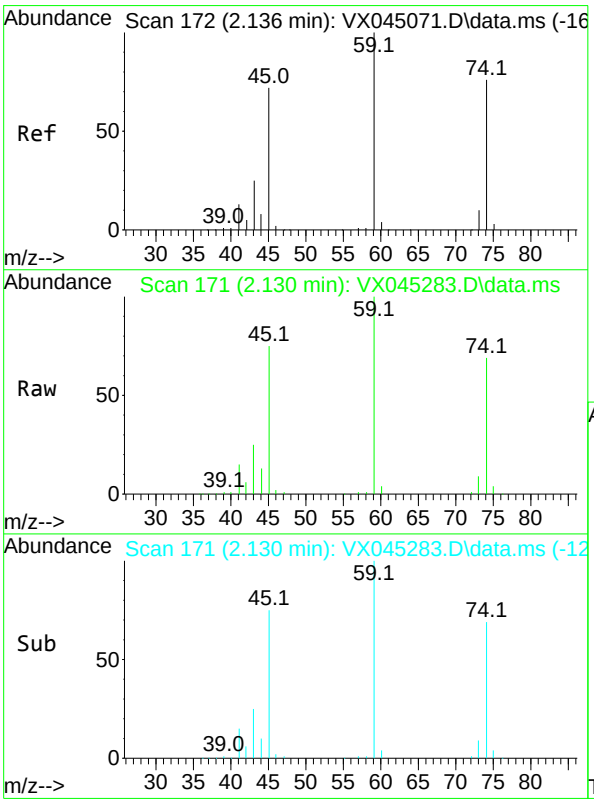
#7
Trichlorofluoromethane
Concen: 51.079 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 81018

Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.1	78.1

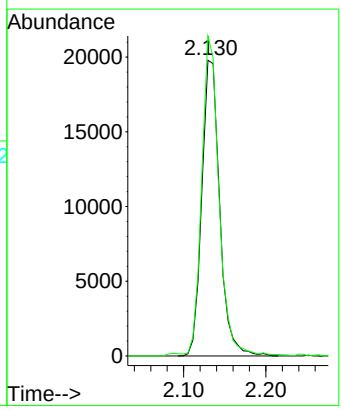


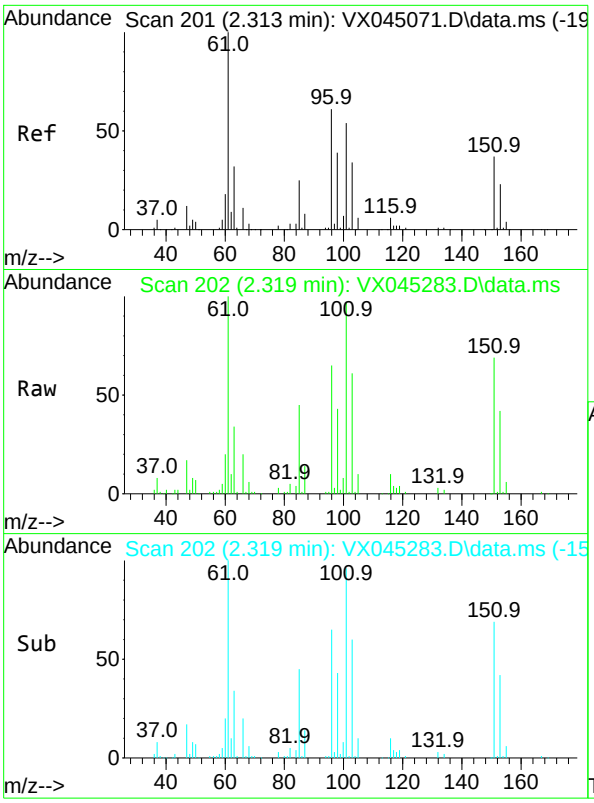


#8
Diethyl Ether
Concen: 48.195 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 74 Resp: 29900

Ion	Ratio	Lower	Upper
74	100		
45	106.1	51.5	154.5



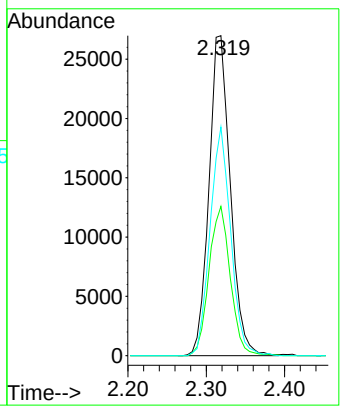


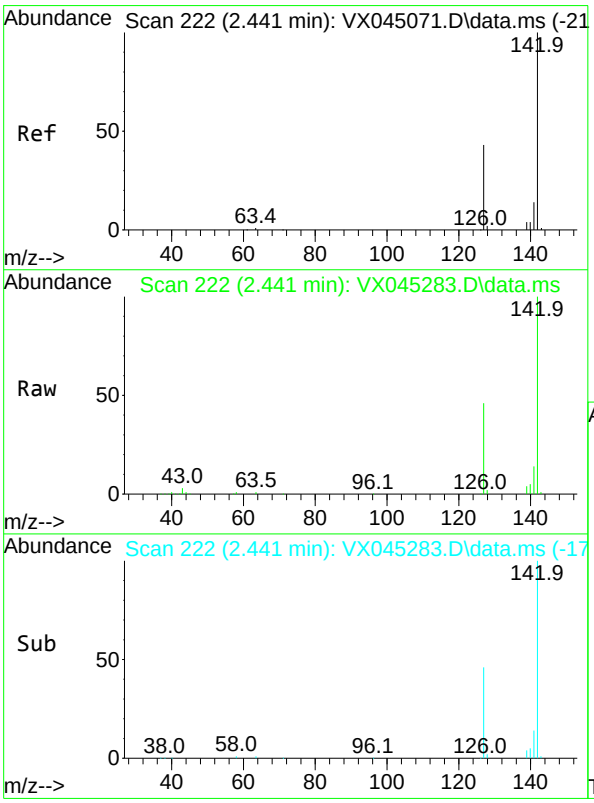
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.104 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 51125

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.1	56.4	84.6

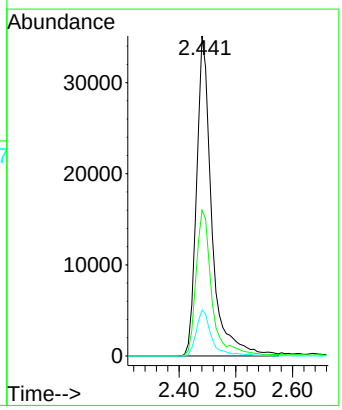


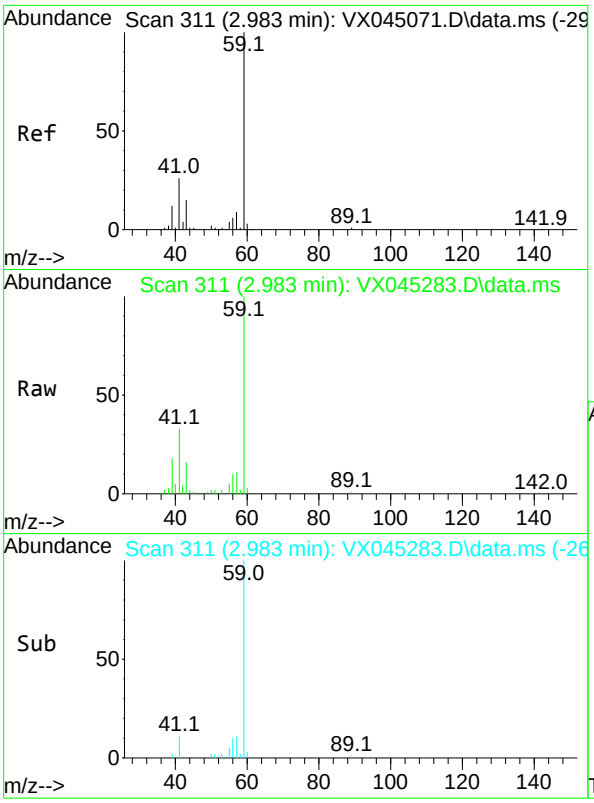


#10
Methyl Iodide
Concen: 57.437 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:142 Resp: 65409

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	14.6	11.6	17.4



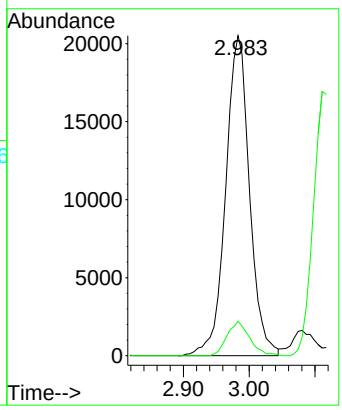


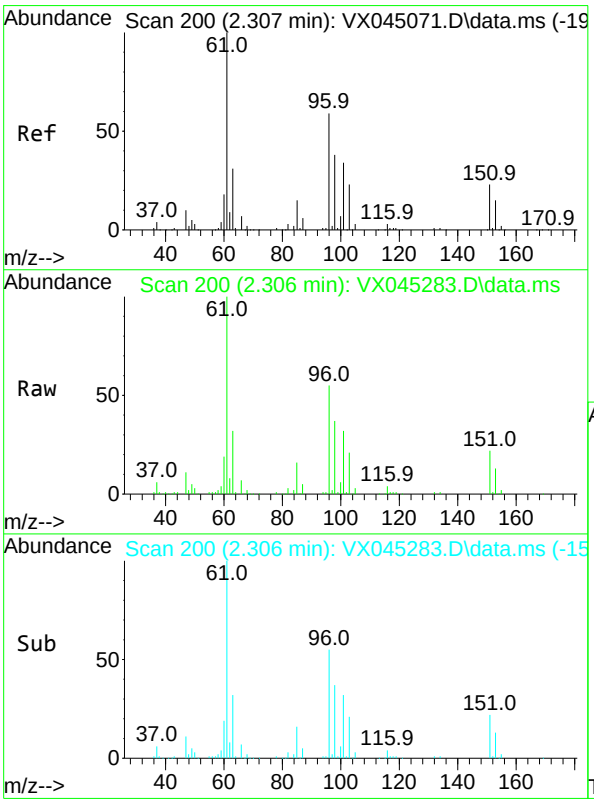
#11
Tert butyl alcohol
Concen: 218.906 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 51712

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

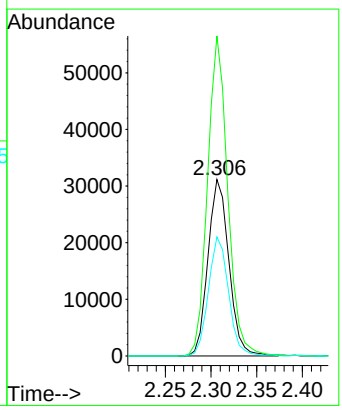


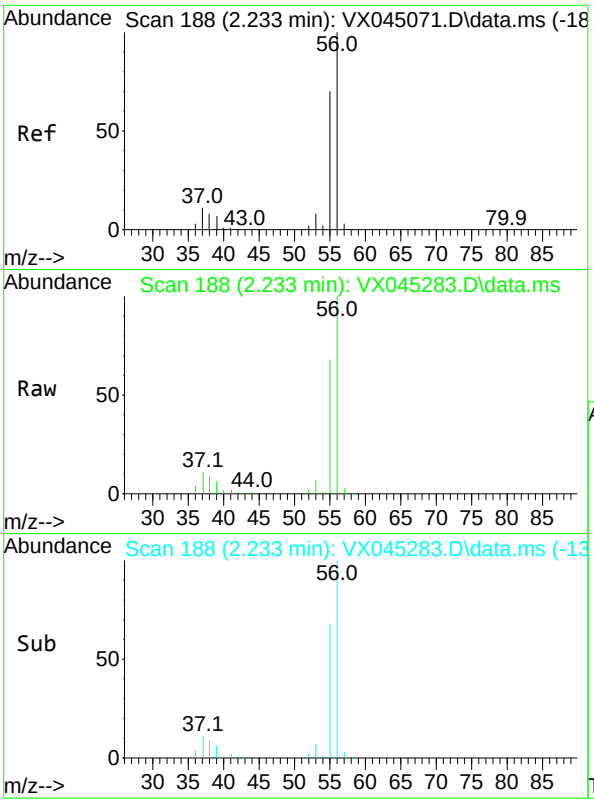


#12
1,1-Dichloroethene
Concen: 51.461 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 96 Resp: 49579

Ion	Ratio	Lower	Upper
96	100		
61	181.3	134.6	202.0
98	67.4	51.0	76.6



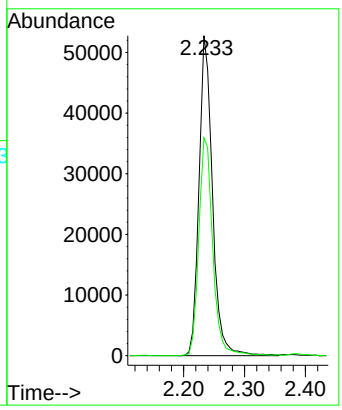


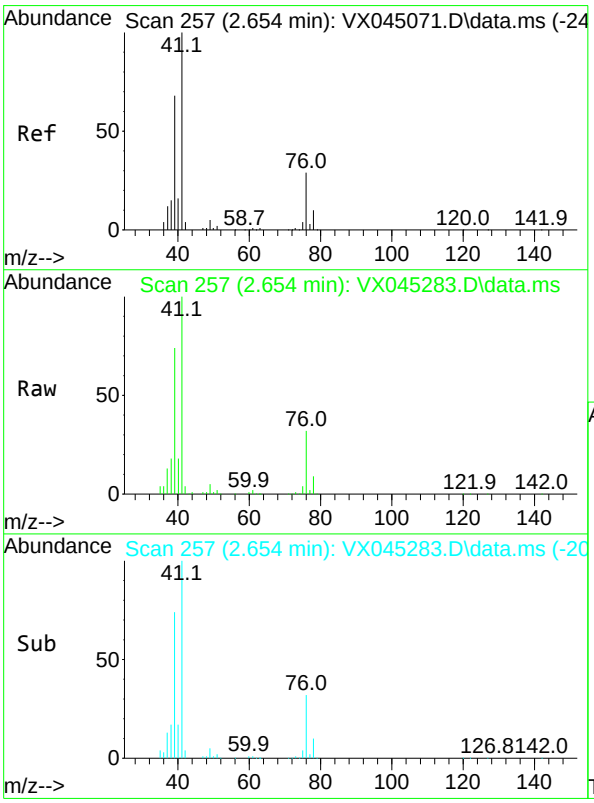
#13
Acrolein
Concen: 296.868 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 81067

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

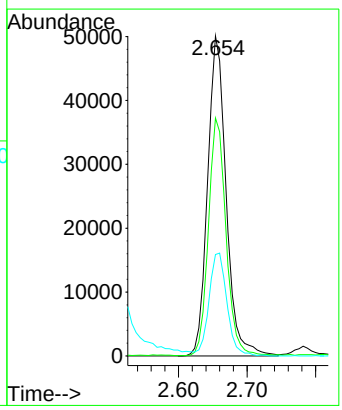


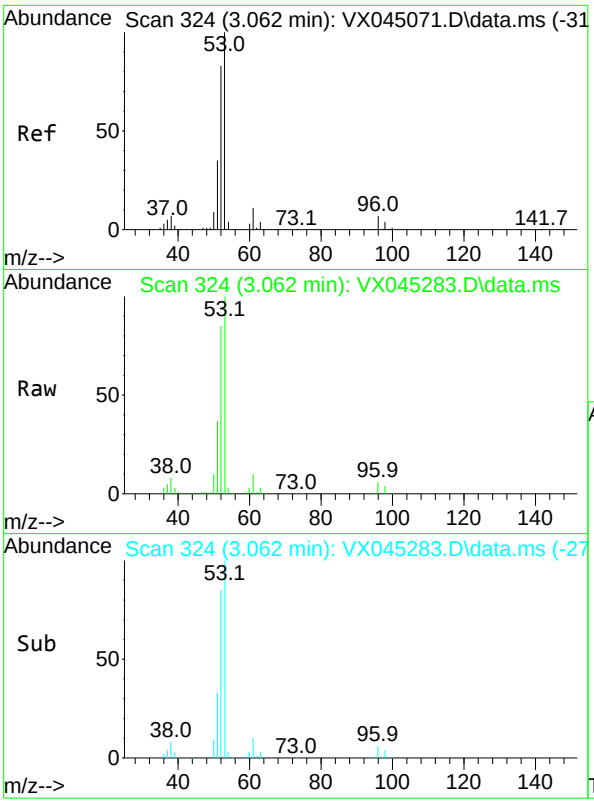


#14
Allyl chloride
Concen: 55.089 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 41 Resp: 94474

Ion	Ratio	Lower	Upper
41	100		
39	70.4	53.8	80.8
76	31.1	25.2	37.8



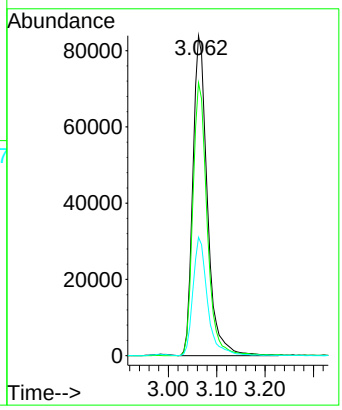


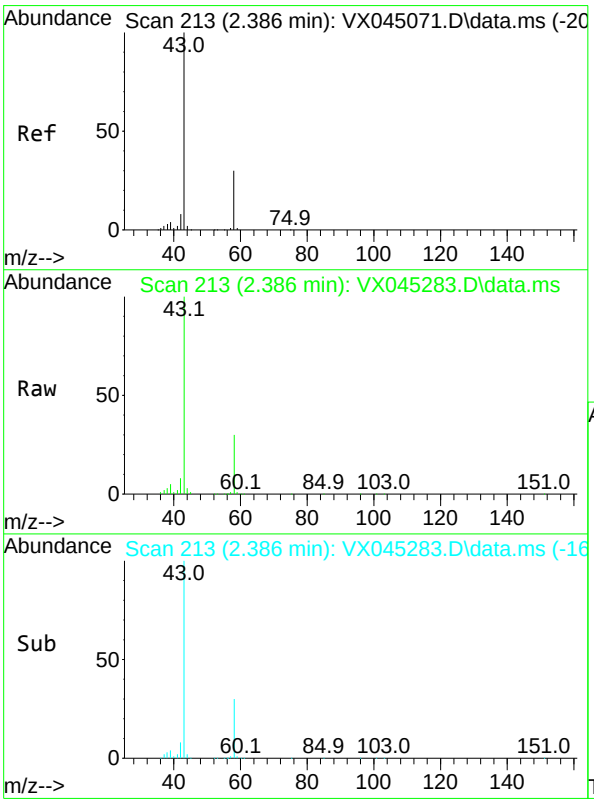
#15
Acrylonitrile
Concen: 276.353 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 174965

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	37.2	29.0	43.4

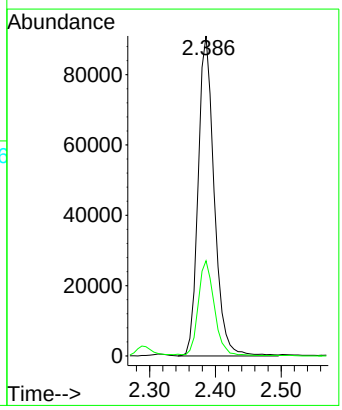


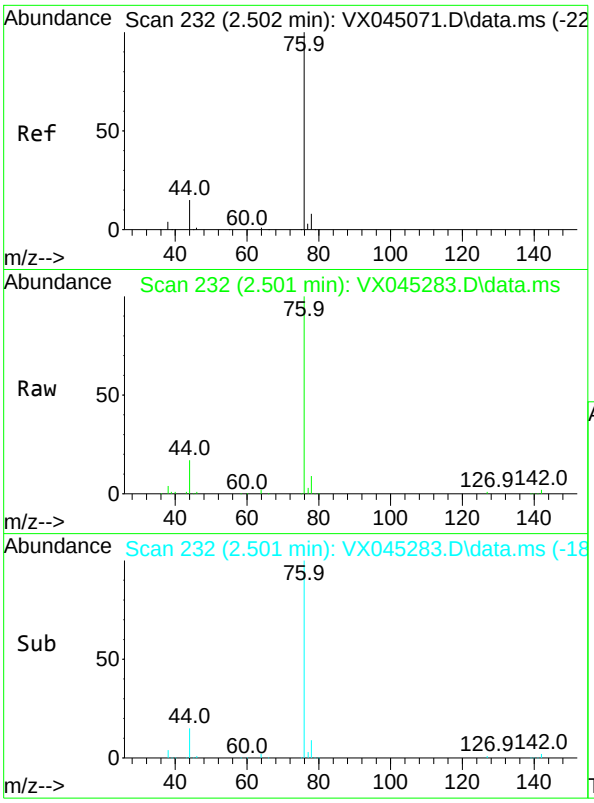


#16
Acetone
Concen: 267.281 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 154659

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.2	36.4



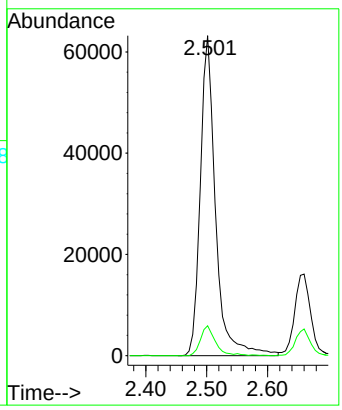


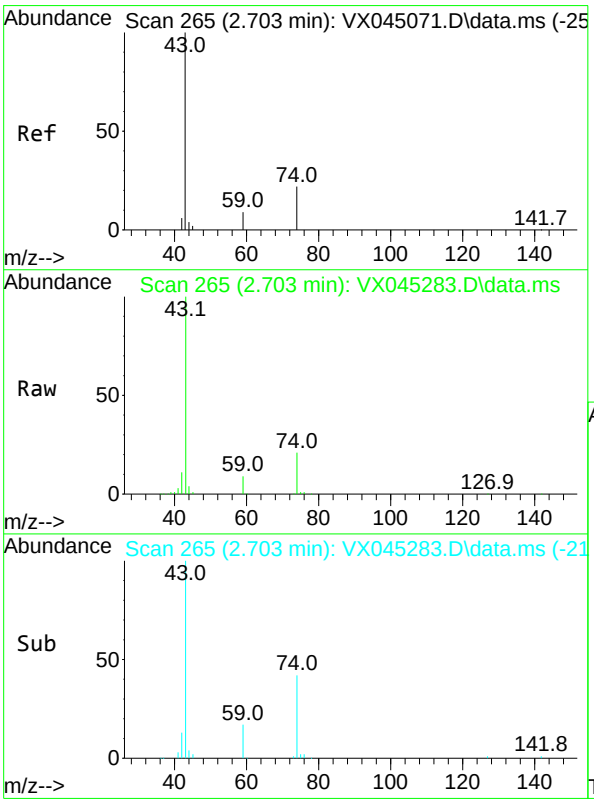
#17
Carbon Disulfide
Concen: 42.902 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 110090

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8

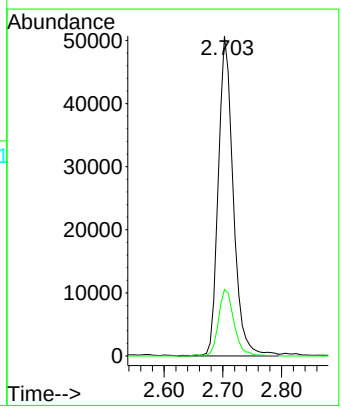


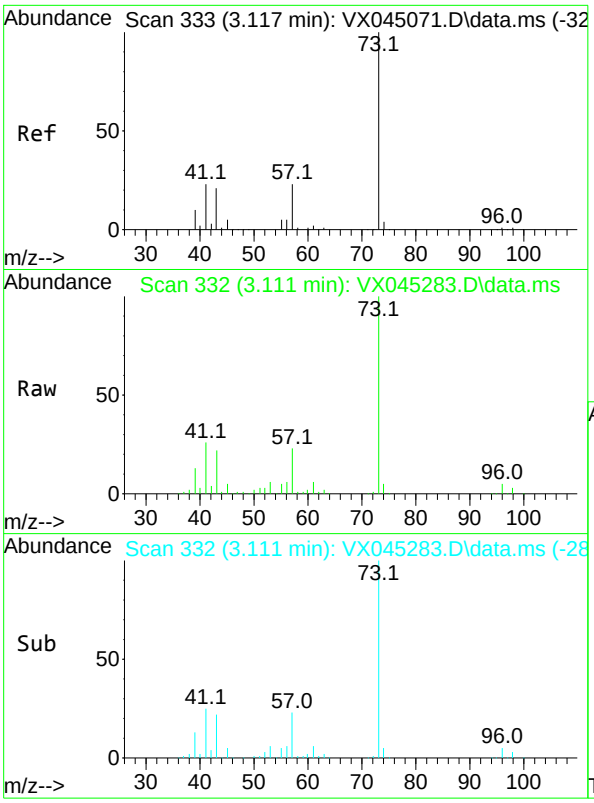


#18
Methyl Acetate
Concen: 64.394 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 89637

Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.2



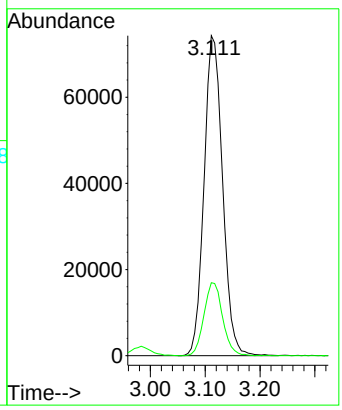


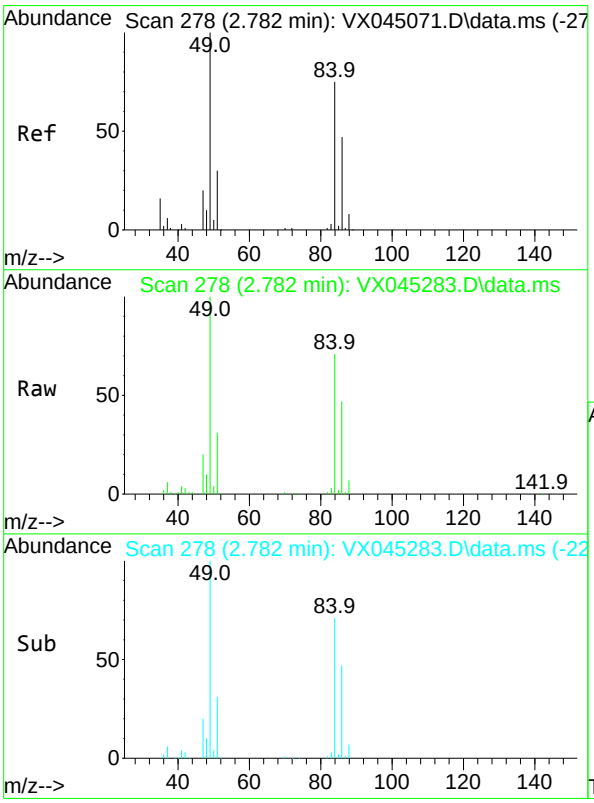
#19
Methyl tert-butyl Ether
Concen: 53.877 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 174146

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.5	27.7

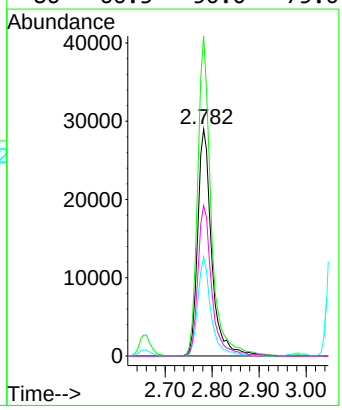


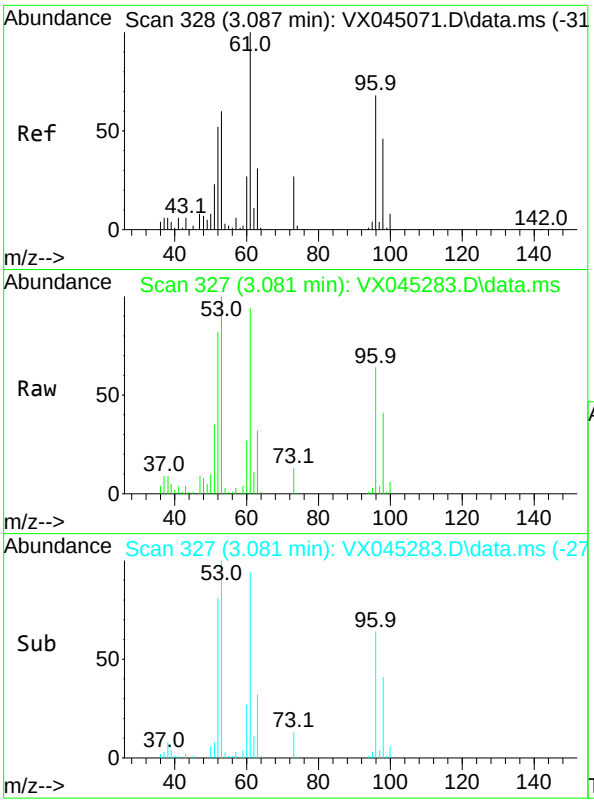


#20
Methylene Chloride
Concen: 52.463 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 84 Resp: 60134

Ion	Ratio	Lower	Upper
84	100		
49	141.1	106.5	159.7
51	43.7	32.1	48.1
86	66.3	50.0	75.0



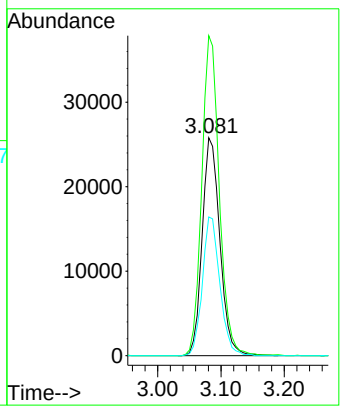


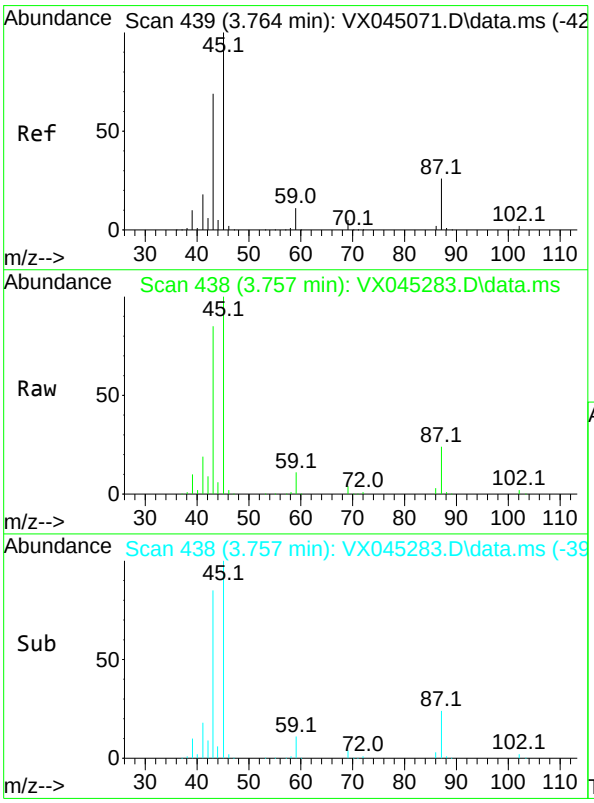
#21
trans-1,2-Dichloroethene
Concen: 52.824 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 50278

Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	63.7	53.4	80.2

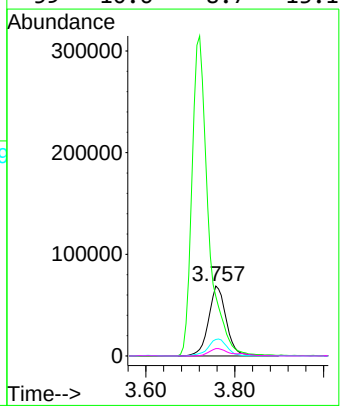


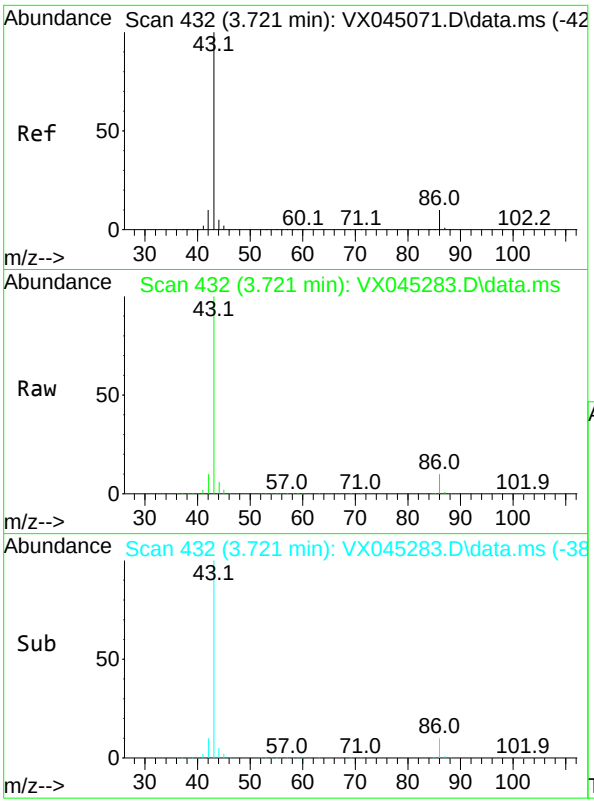


#22
Diisopropyl ether
Concen: 54.746 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 45 Resp: 190943

Ion	Ratio	Lower	Upper
45	100		
43	85.1	54.9	82.3#
87	23.6	21.0	31.4
59	10.6	8.7	13.1



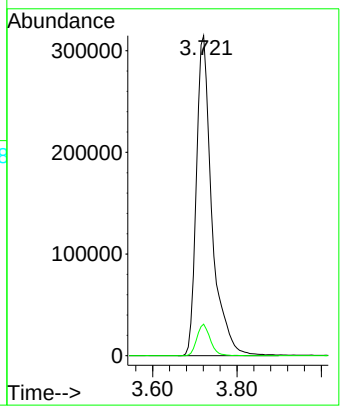


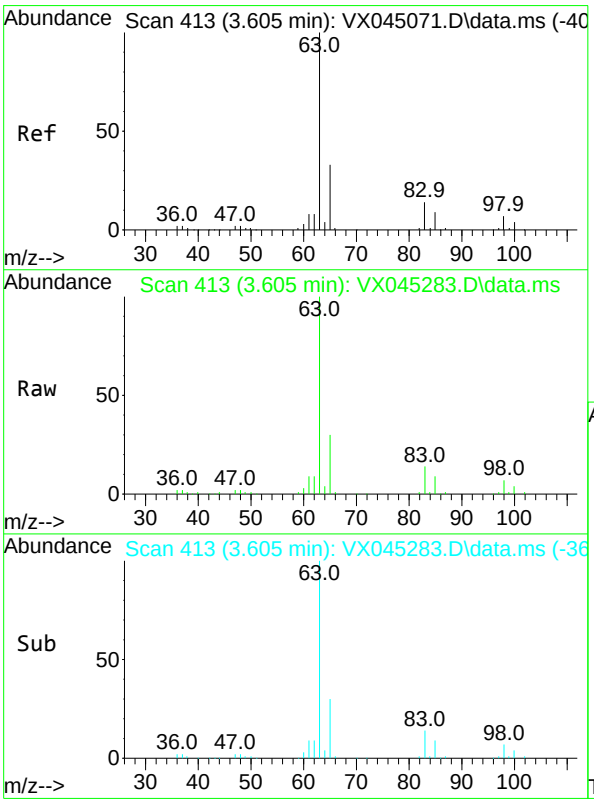
#23
Vinyl Acetate
Concen: 277.131 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 806616

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

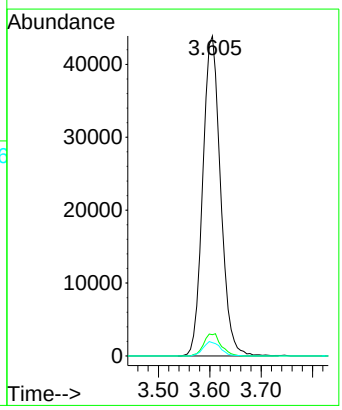


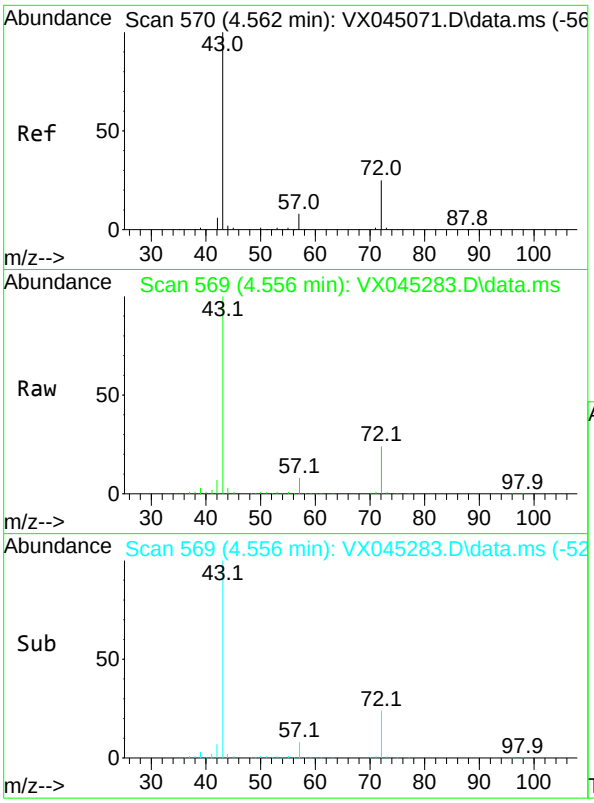


#24
1,1-Dichloroethane
Concen: 53.947 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 63 Resp: 105449

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5



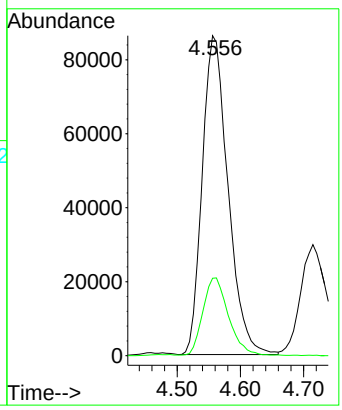


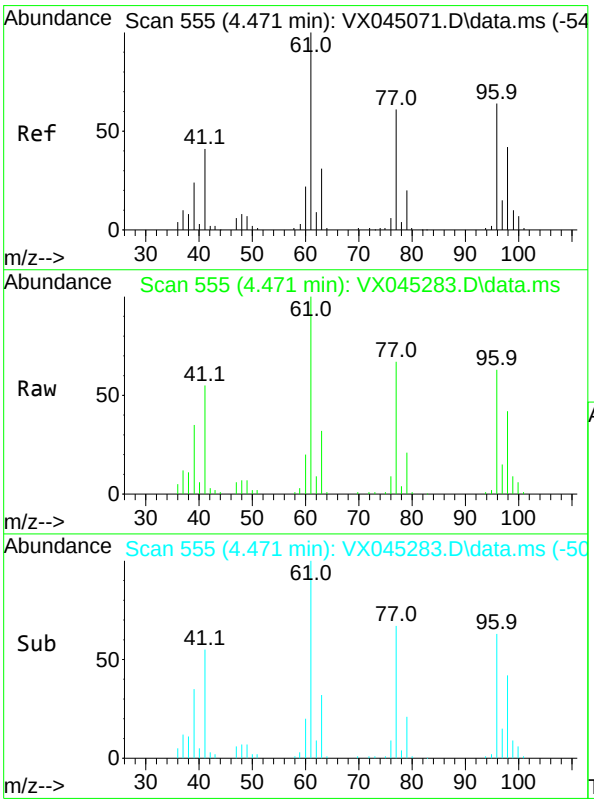
#25
2-Butanone
Concen: 280.855 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 244623

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

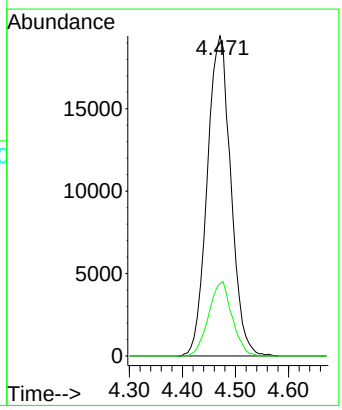


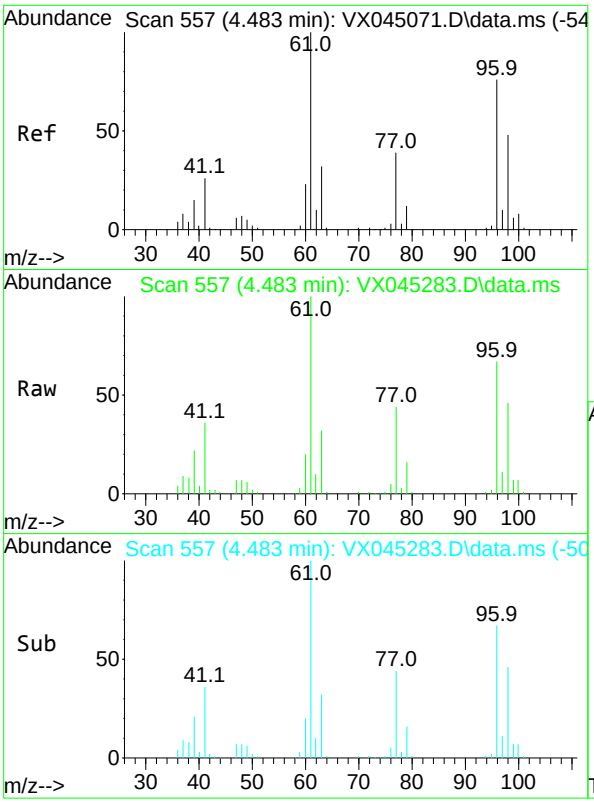


#26
2,2-Dichloropropane
Concen: 65.428 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 77 Resp: 59987

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0



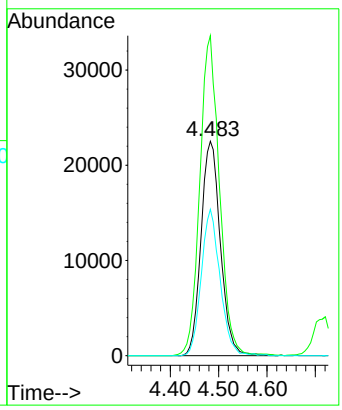


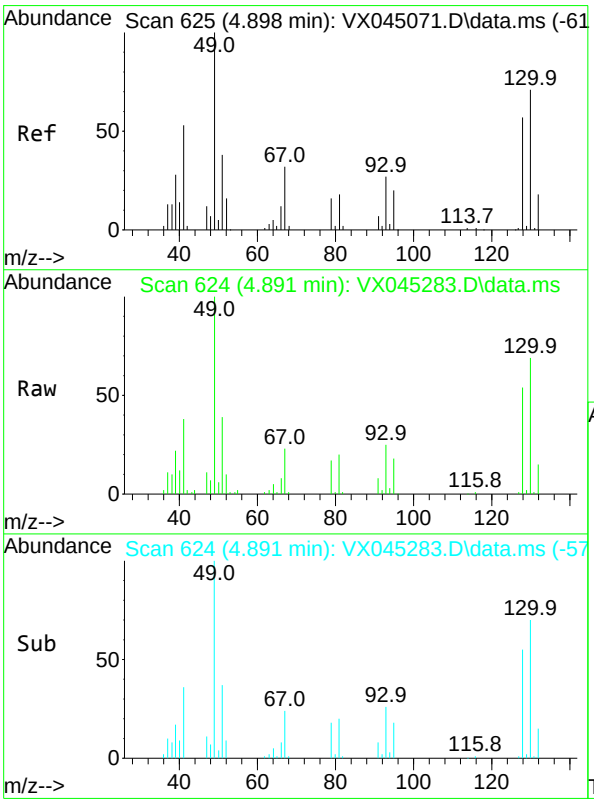
#27
cis-1,2-Dichloroethene
Concen: 53.261 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 62579

Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	283.2
98	66.4	0.0	128.0

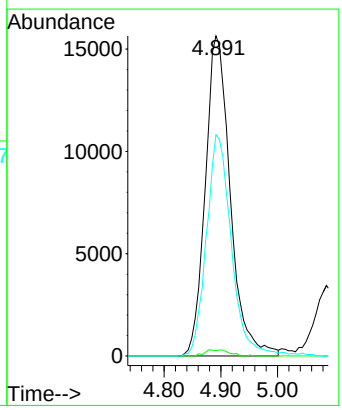


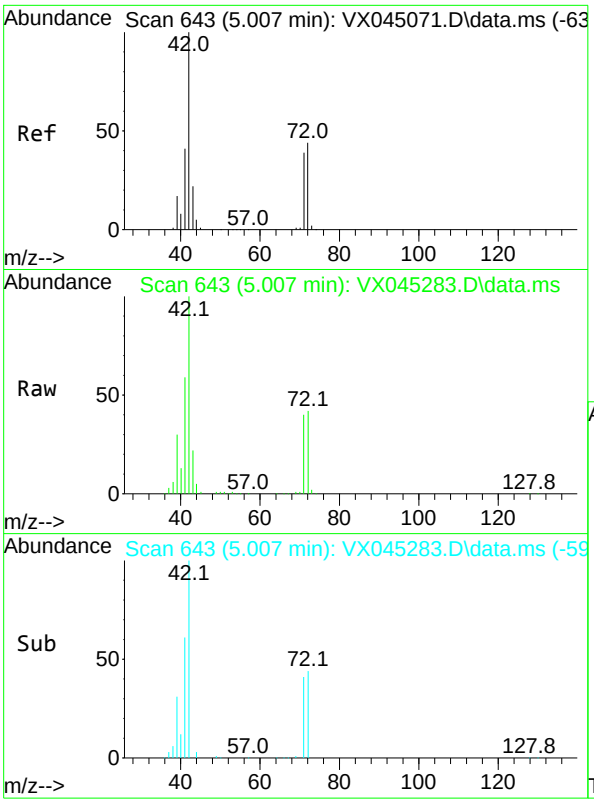


#28
Bromochloromethane
Concen: 51.273 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 49 Resp: 47770

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.0	56.1	84.1



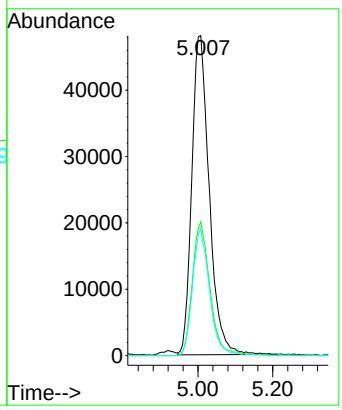


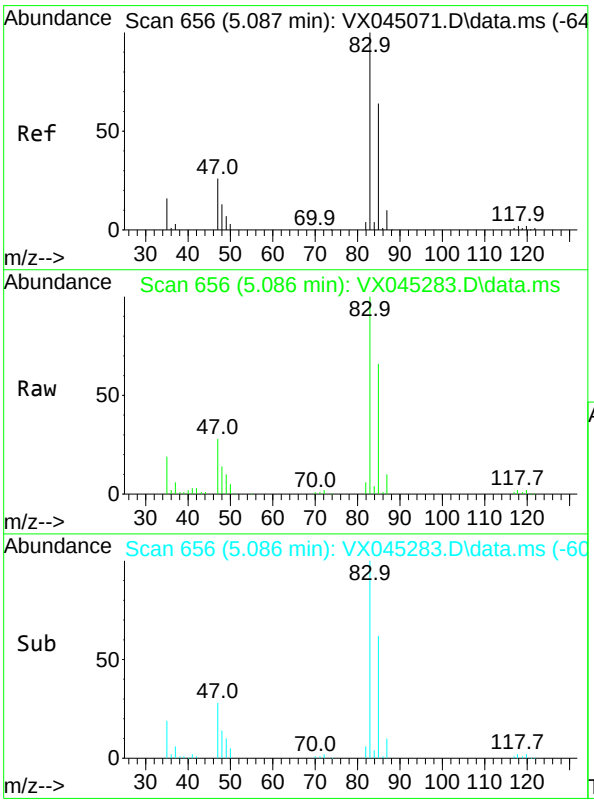
#29
Tetrahydrofuran
Concen: 266.382 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 155811

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	38.8	31.4	47.0

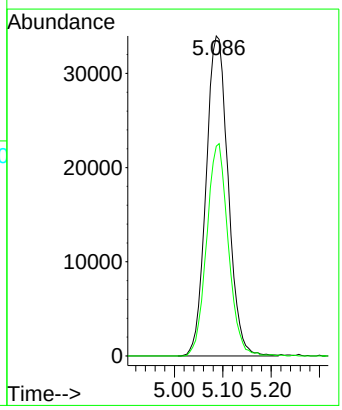


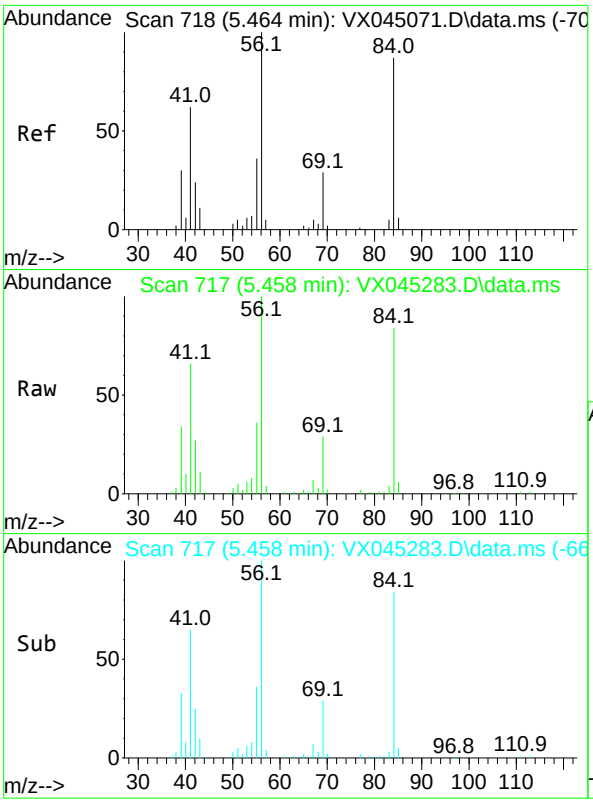


#30
Chloroform
Concen: 55.352 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 83 Resp: 107504

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2



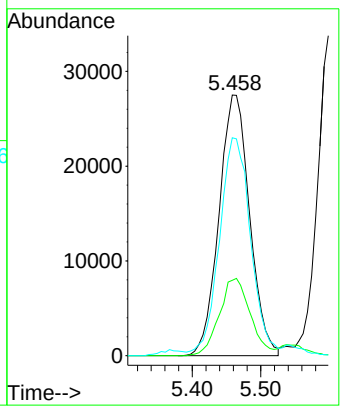


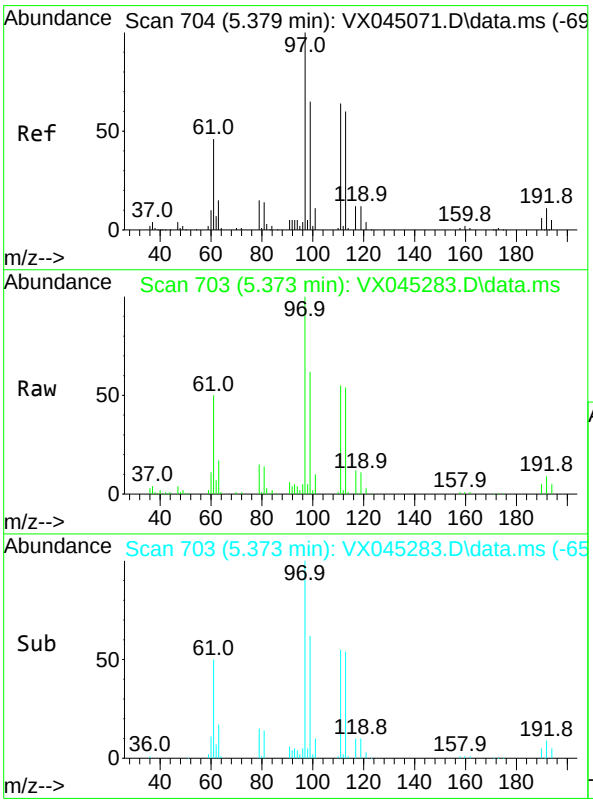
#31
Cyclohexane
Concen: 50.380 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 85484

Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.4	35.2
84	81.8	69.4	104.2

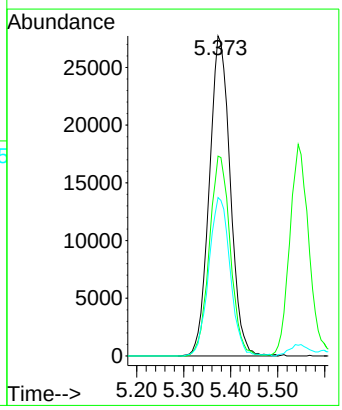


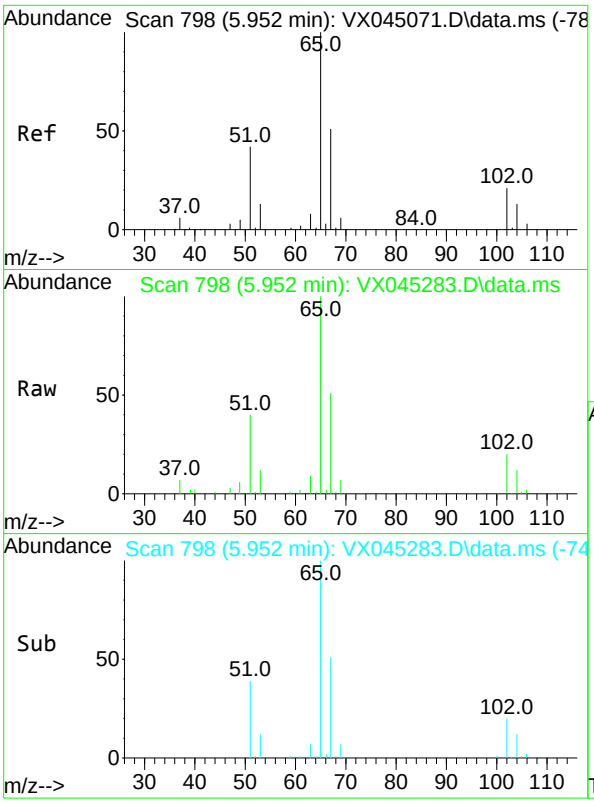


#32
1,1,1-Trichloroethane
Concen: 54.563 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 97 Resp: 85589

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.6	77.4
61	50.8	38.4	57.6



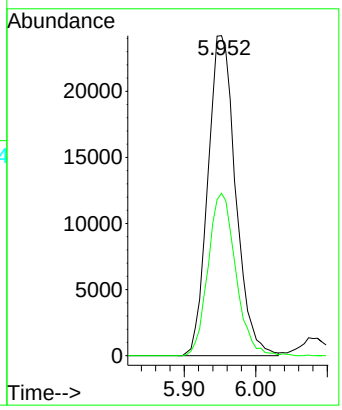


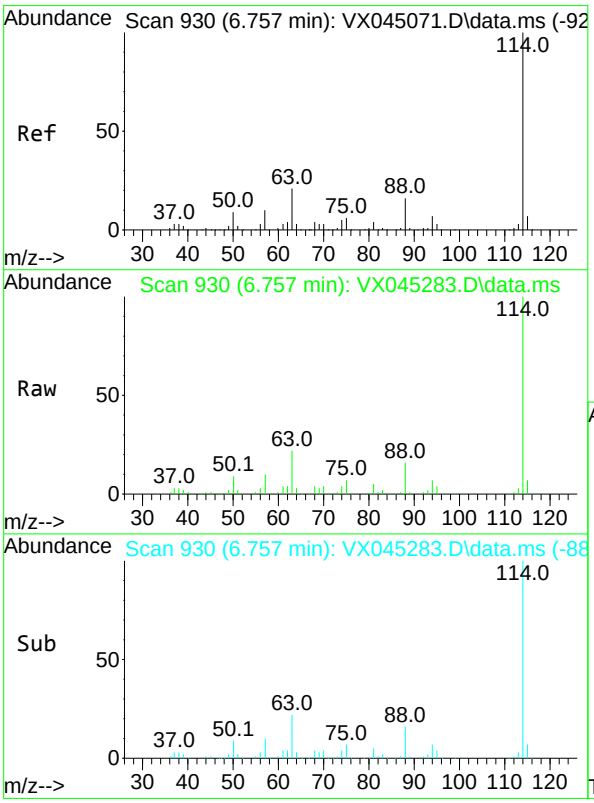
#33
1,2-Dichloroethane-d4
Concen: 52.306 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 65233

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

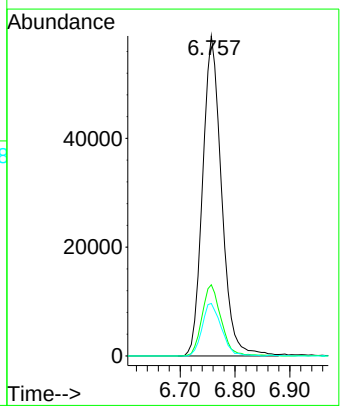


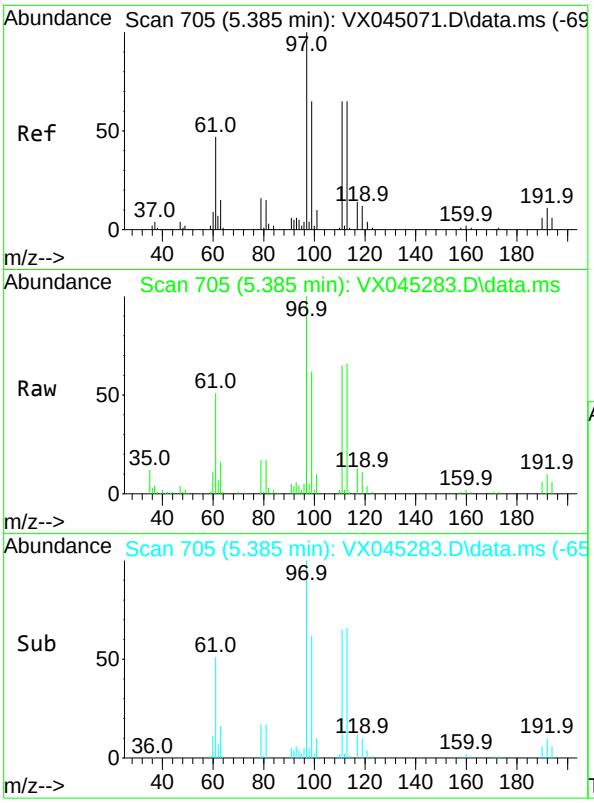


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:114 Resp: 140955

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.4	0.0	32.8



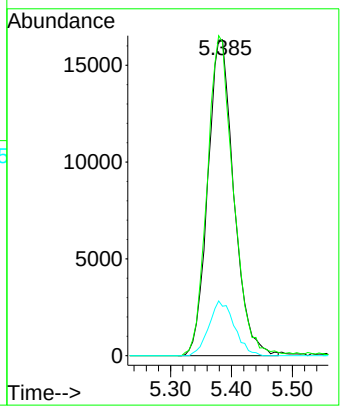


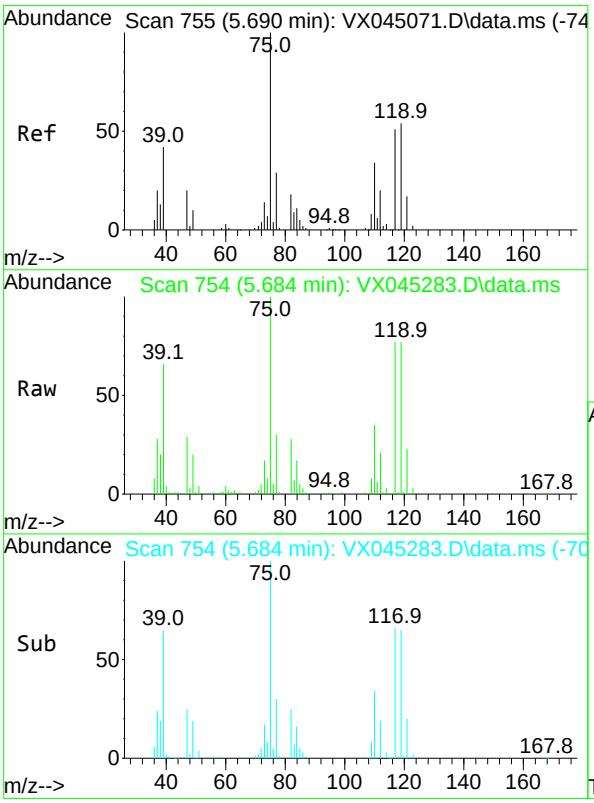
#35
Dibromofluoromethane
Concen: 51.369 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 48417

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.9	14.3	21.5

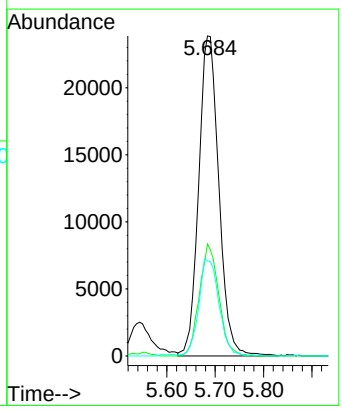


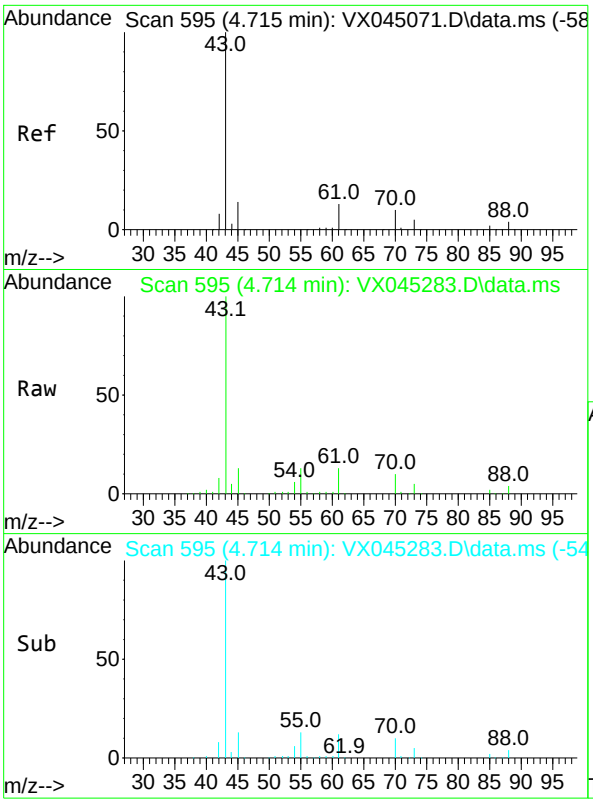


#36
1,1-Dichloropropene
Concen: 53.401 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 69025

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.3	24.5	36.7



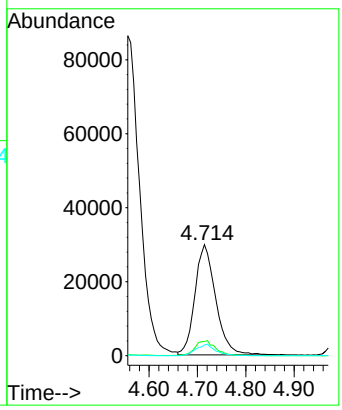


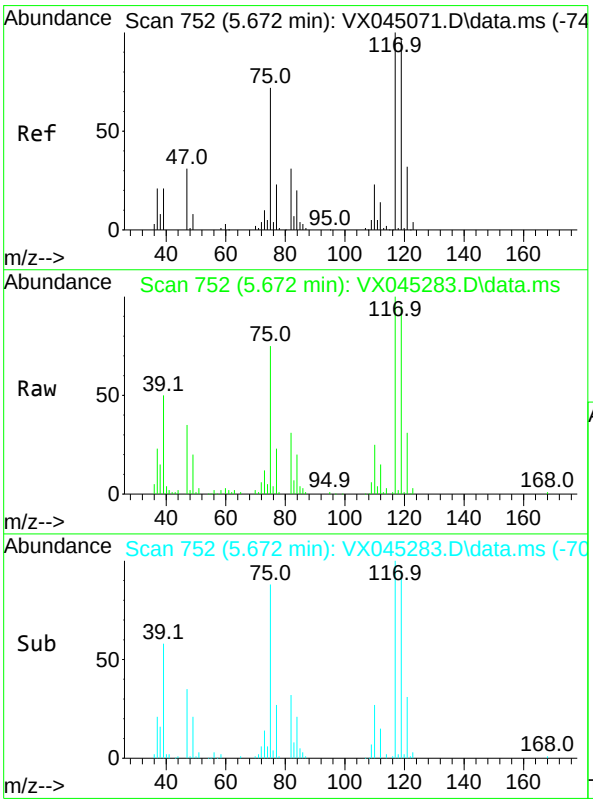
#37
Ethyl Acetate
Concen: 53.332 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 88828

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	9.6	7.7	11.5

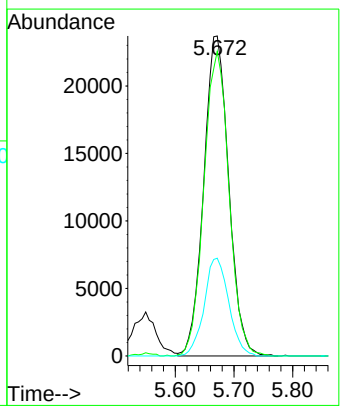


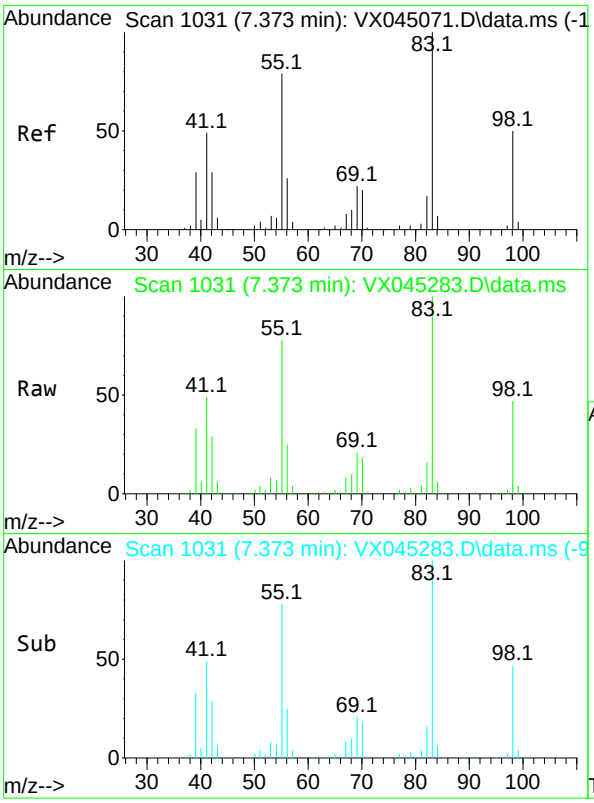


#38
Carbon Tetrachloride
Concen: 53.462 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:117 Resp: 70158

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	30.6	25.5	38.3



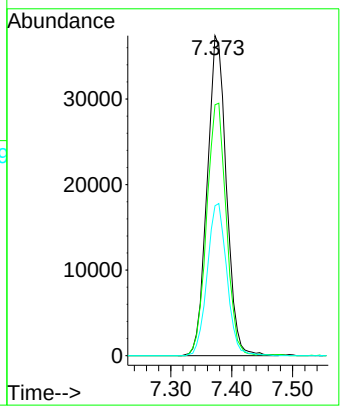


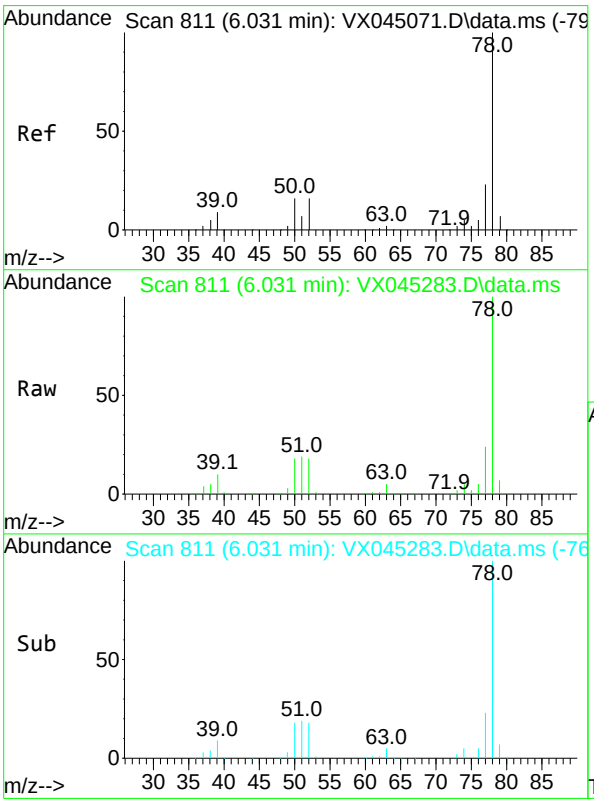
#39
Methylcyclohexane
Concen: 52.933 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 81984

Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.0	94.4
98	46.9	39.7	59.5

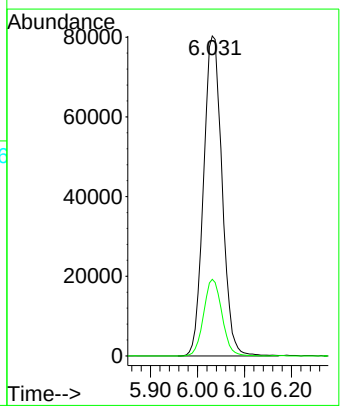


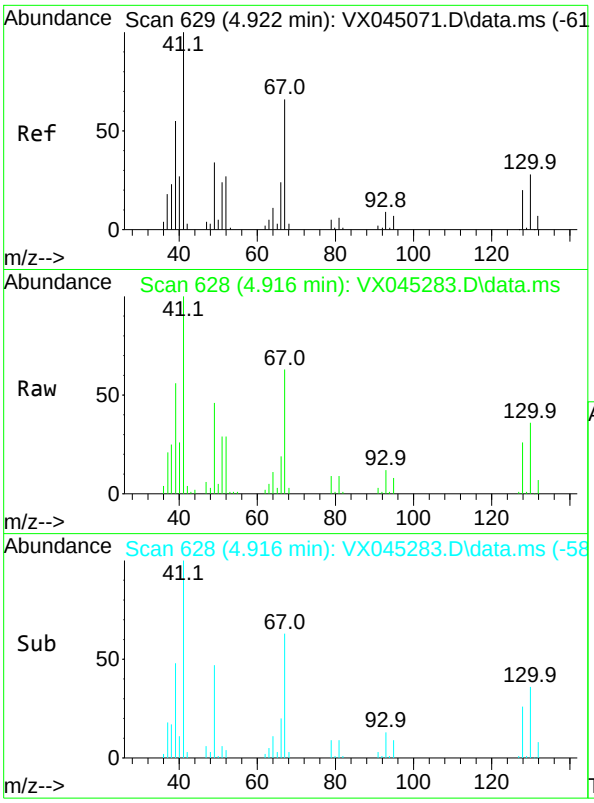


#40
Benzene
Concen: 53.682 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 78 Resp: 219114

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



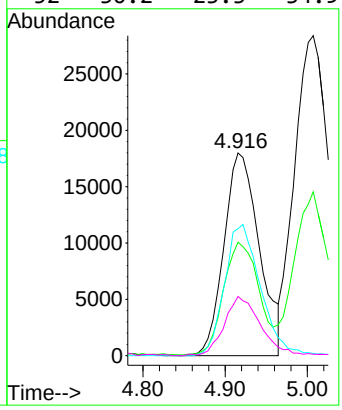


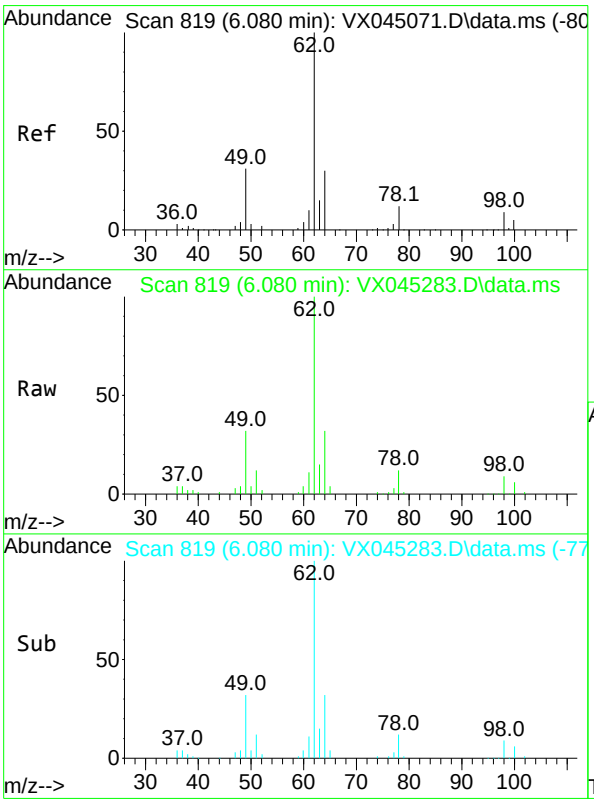
#41
Methacrylonitrile
Concen: 59.938 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 53981

Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.6	67.0
67	66.1	53.9	80.9
52	30.2	23.3	34.9

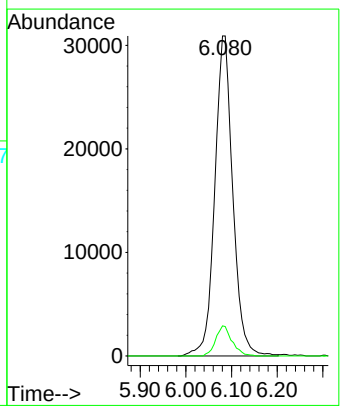


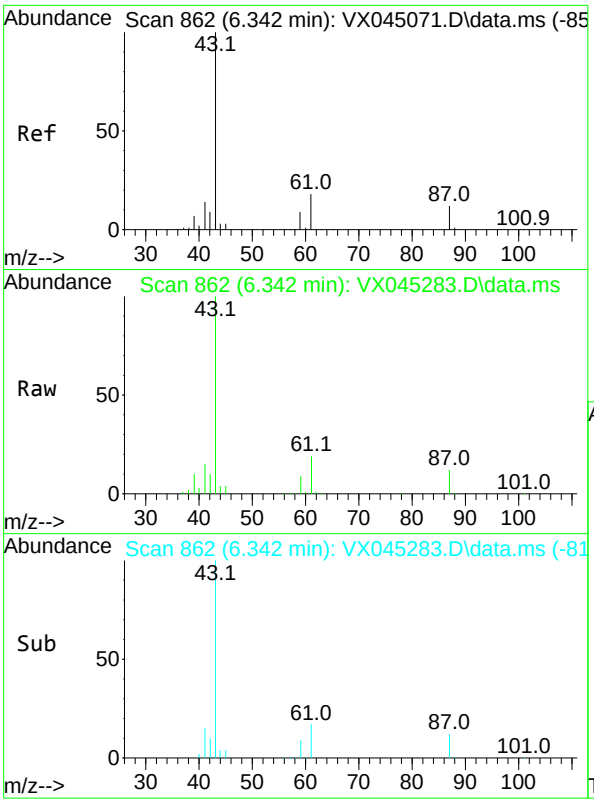


#42
1,2-Dichloroethane
Concen: 57.596 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 62 Resp: 84656

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



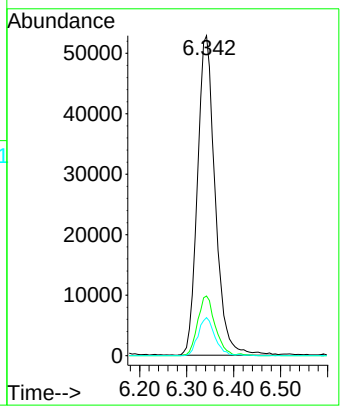


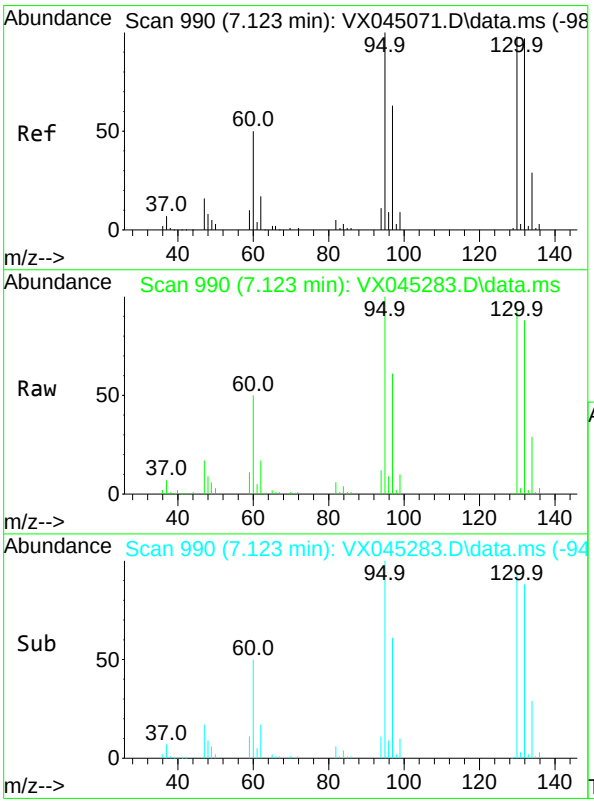
#43
Isopropyl Acetate
Concen: 56.199 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 138413

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.4	9.4	14.2

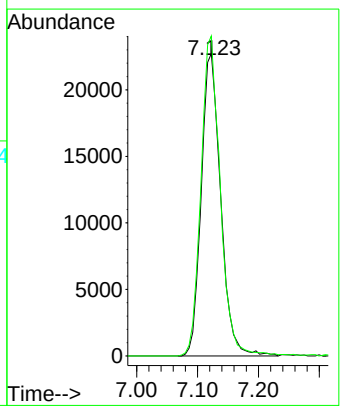


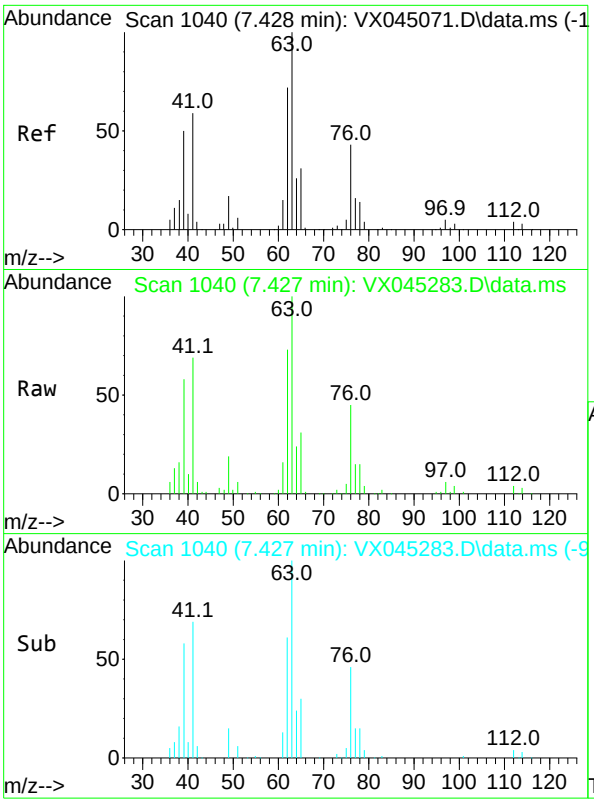


#44
Trichloroethene
Concen: 52.524 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:130 Resp: 50340

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	205.0



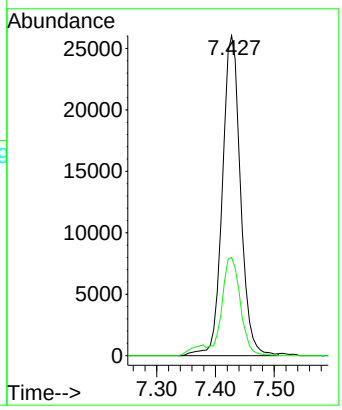


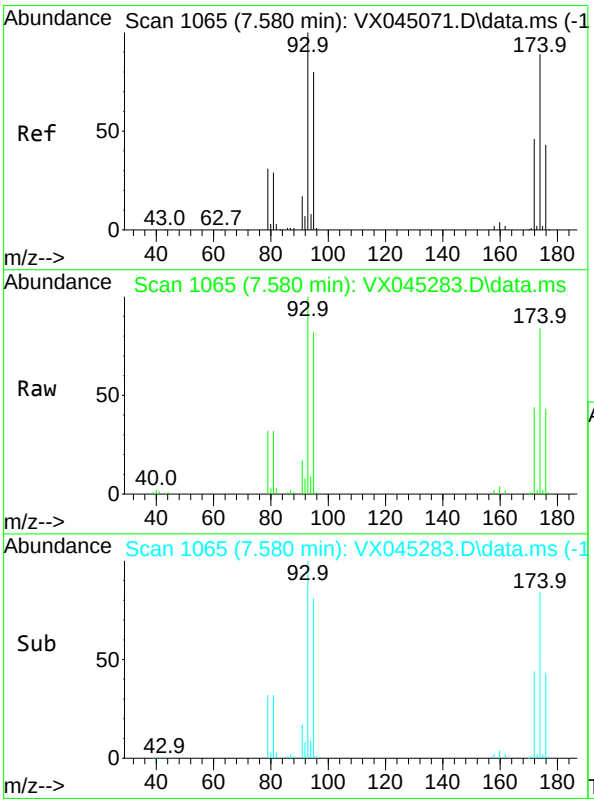
#45
1,2-Dichloropropane
Concen: 53.295 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55930

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

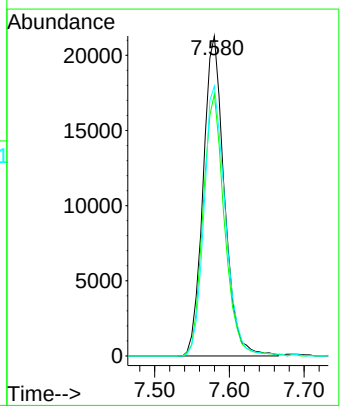


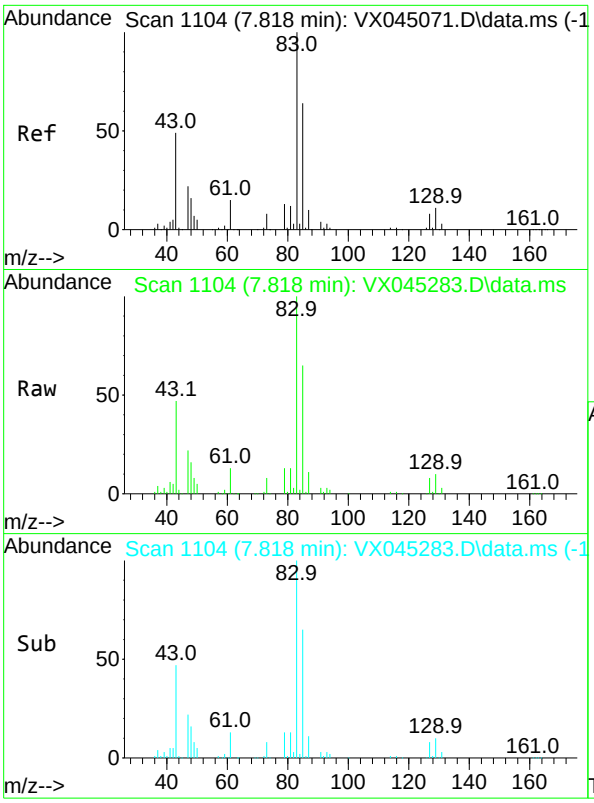


#46
Dibromomethane
Concen: 56.462 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 93 Resp: 41881

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	85.3	72.2	108.2



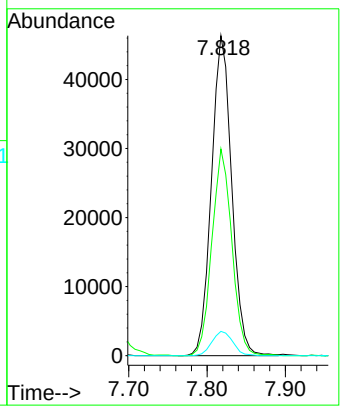


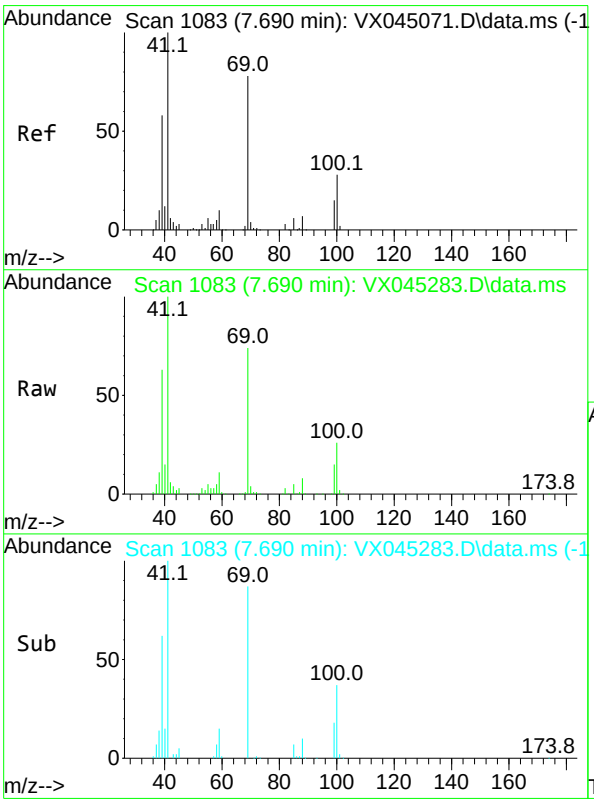
#47
Bromodichloromethane
Concen: 57.200 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 83222

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	7.6	6.4	9.6

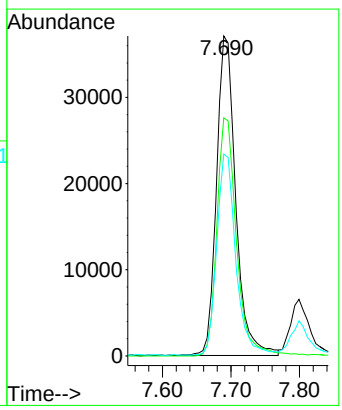


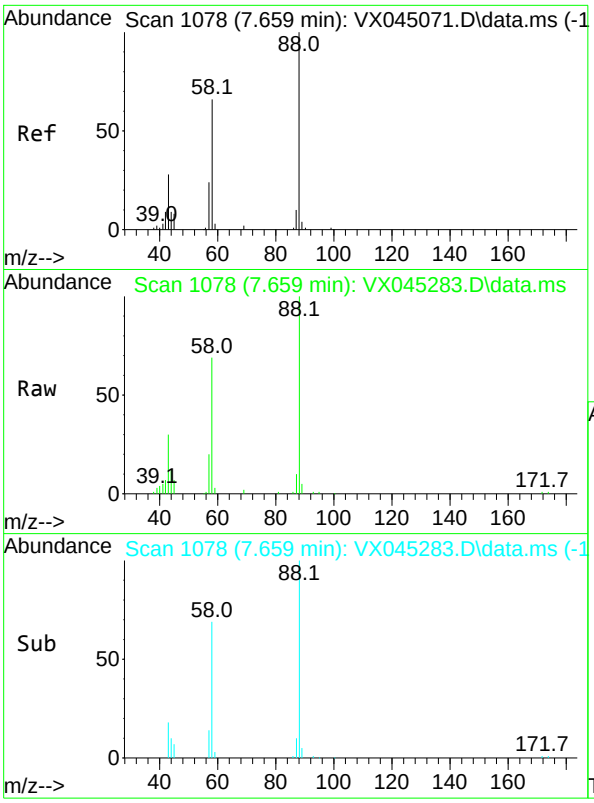


#48
Methyl methacrylate
Concen: 58.331 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 41 Resp: 72075

Ion	Ratio	Lower	Upper
41	100		
69	76.3	63.0	94.6
39	62.6	47.5	71.3



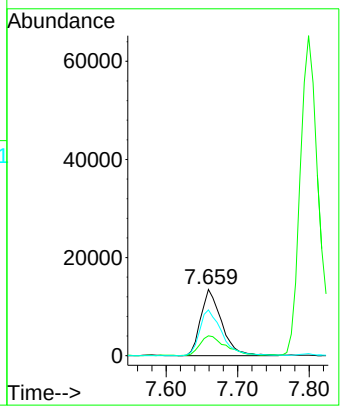


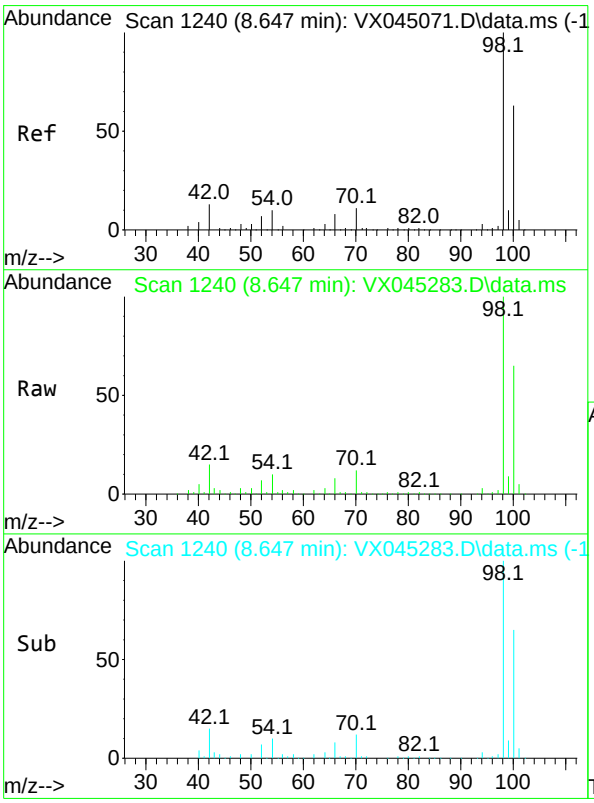
#49
1,4-Dioxane
Concen: 1054.131 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 27475

Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.7	43.1
58	73.4	55.8	83.8

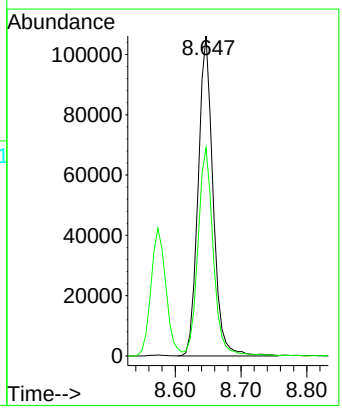


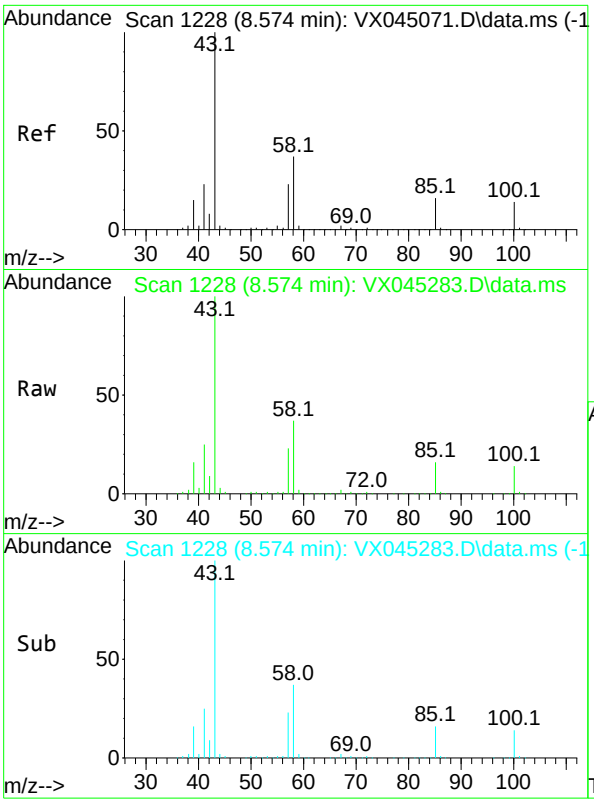


#50
Toluene-d8
Concen: 48.895 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 98 Resp: 167073

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0



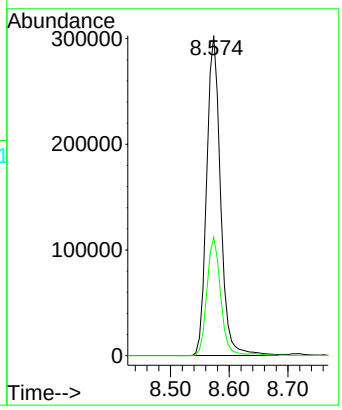


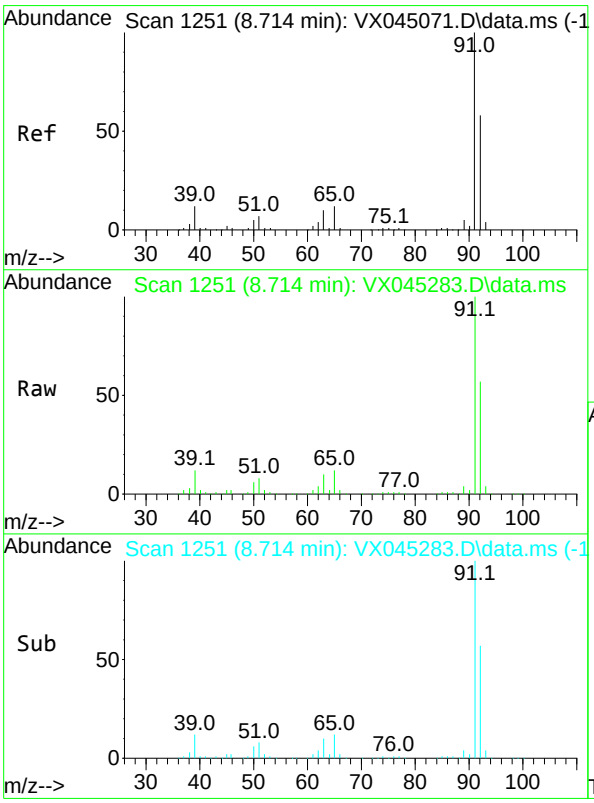
#51
4-Methyl-2-Pentanone
Concen: 300.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 496755

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8

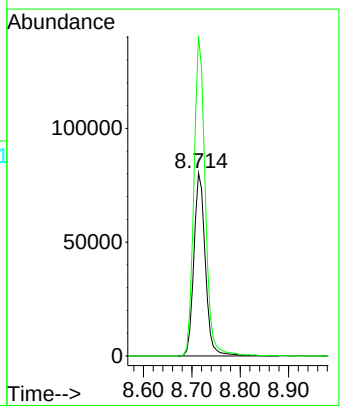


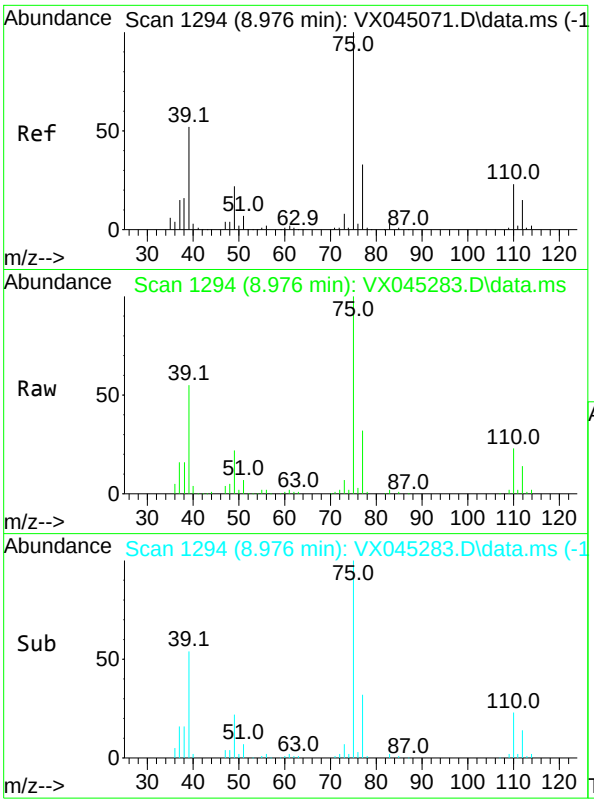


#52
Toluene
Concen: 55.022 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 92 Resp: 131767

Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.9	208.3



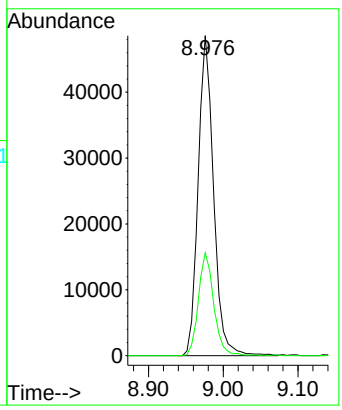


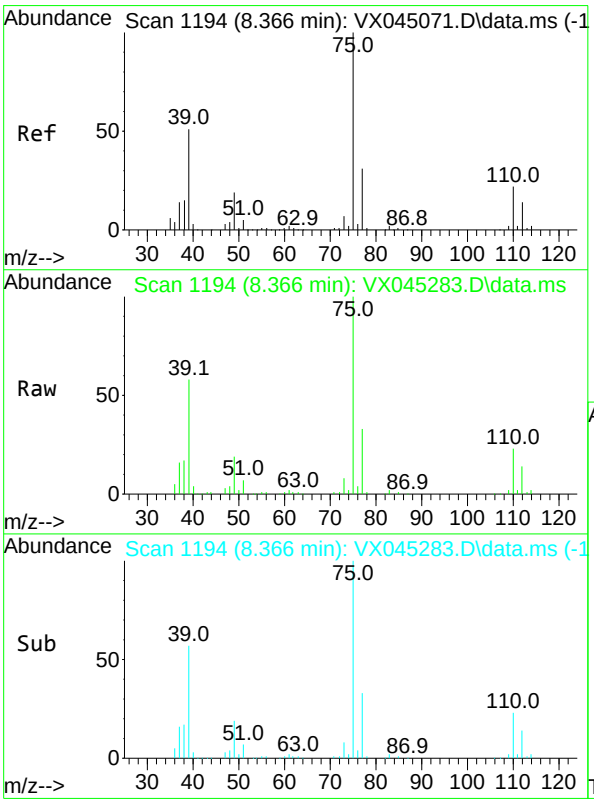
#53
t-1,3-Dichloropropene
Concen: 57.163 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 69530

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.5	39.7

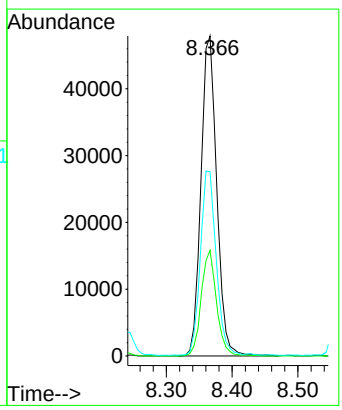


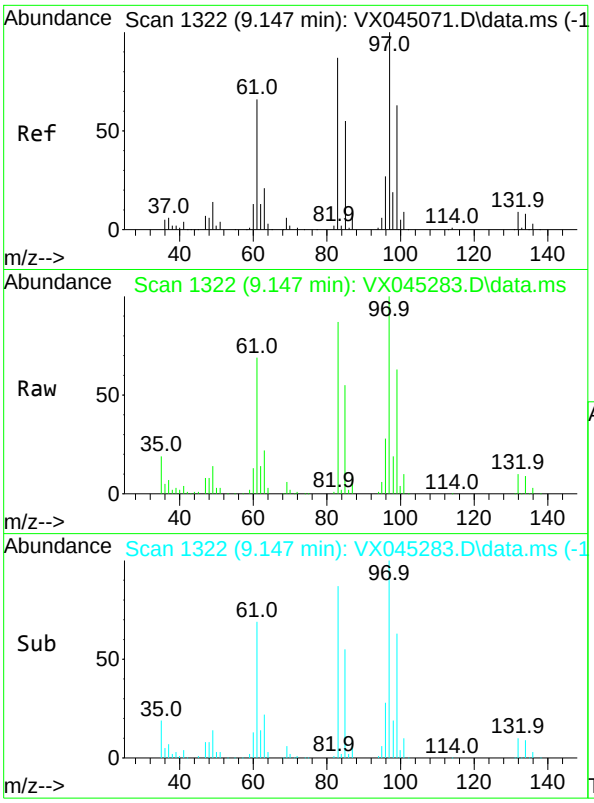


#54
cis-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 79901

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.7	37.1
39	57.4	40.7	61.1



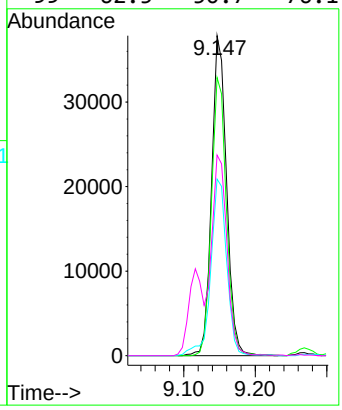


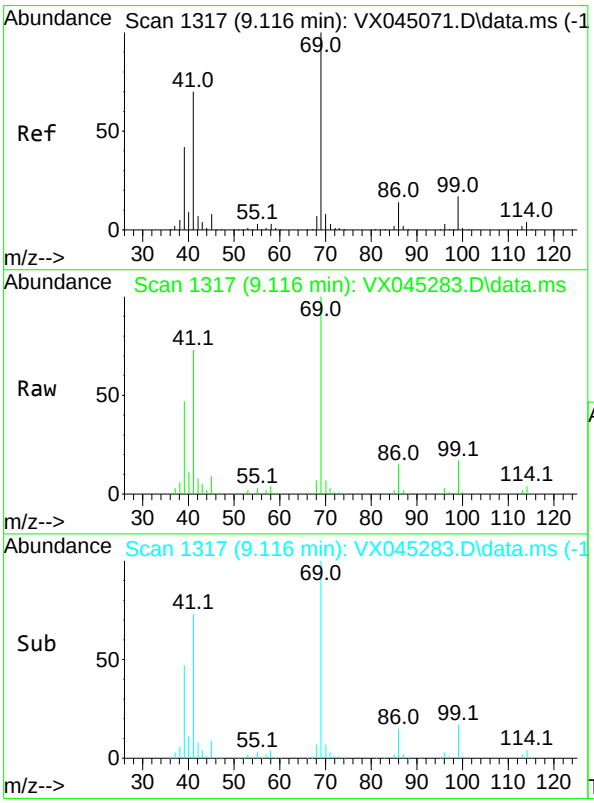
#55
1,1,2-Trichloroethane
Concen: 55.767 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 54980

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.2
85	55.2	44.1	66.1
99	62.5	50.7	76.1

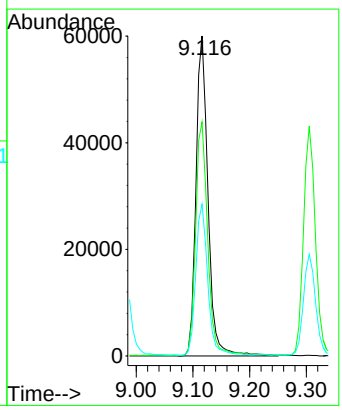


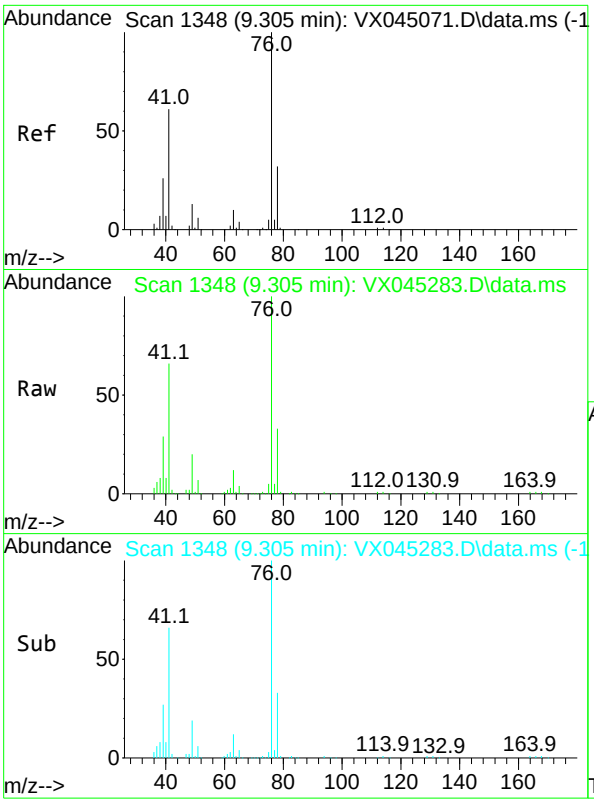


#56
Ethyl methacrylate
Concen: 58.887 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 69 Resp: 88248

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	46.9	34.2	51.4



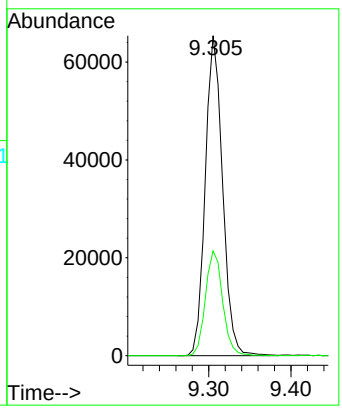


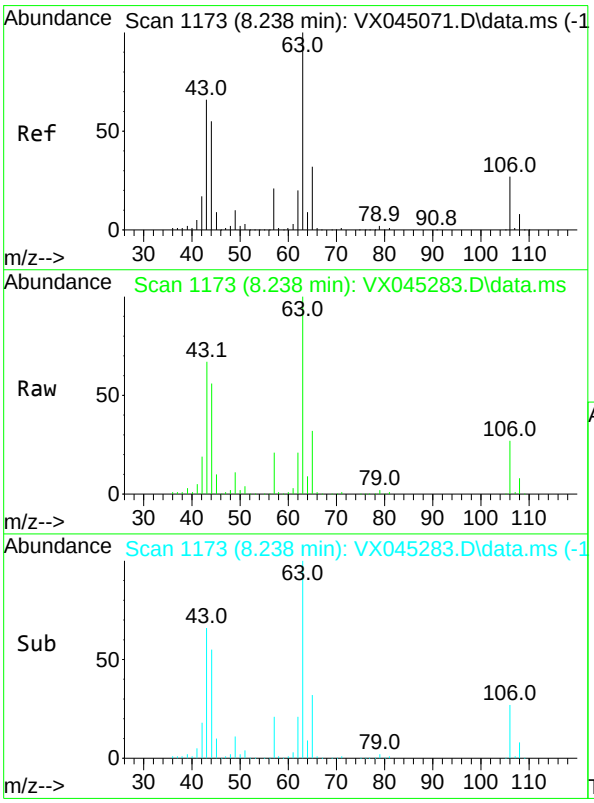
#57
1,3-Dichloropropane
Concen: 55.938 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 95439

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

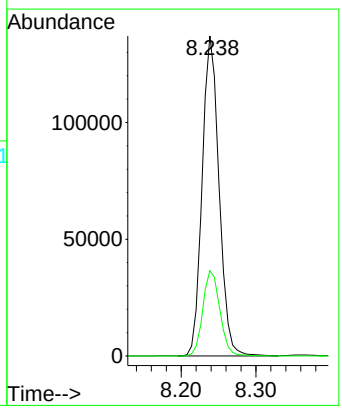


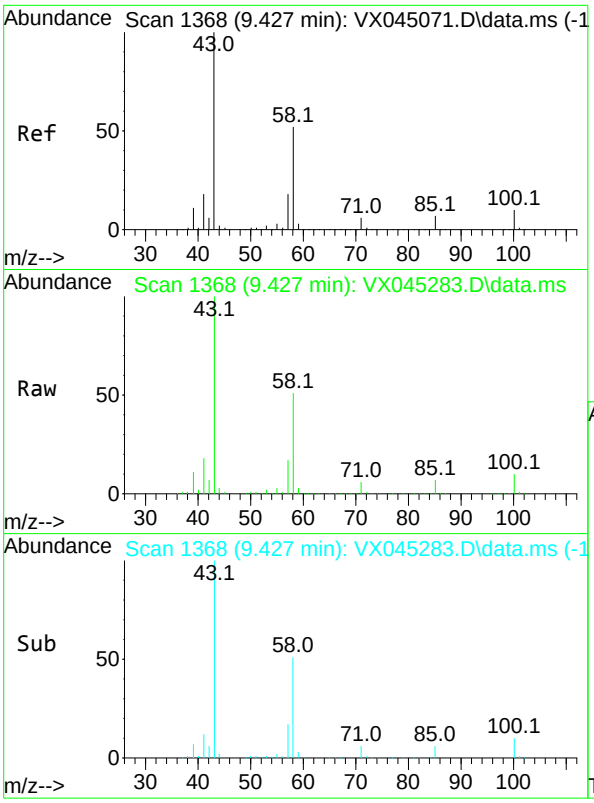


#58
2-Chloroethyl Vinyl ether
Concen: 294.162 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 63 Resp: 215042

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



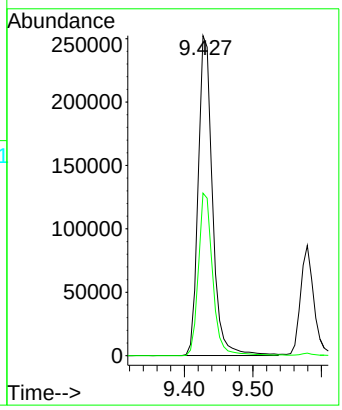


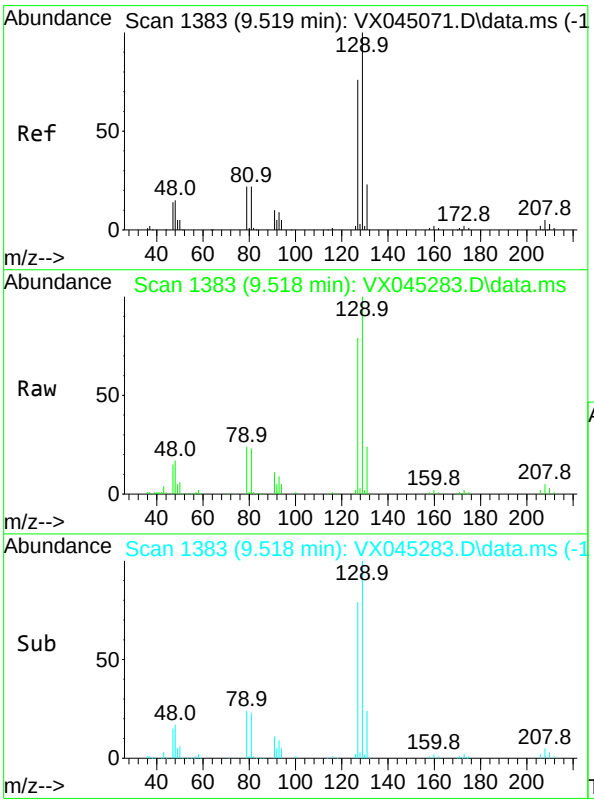
#59
2-Hexanone
Concen: 305.836 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 366447

Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6

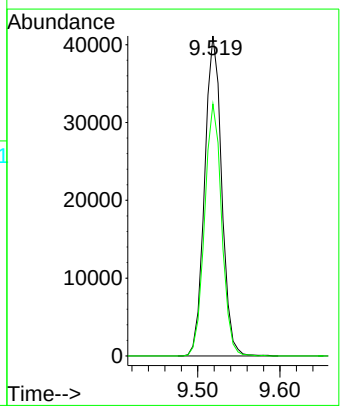


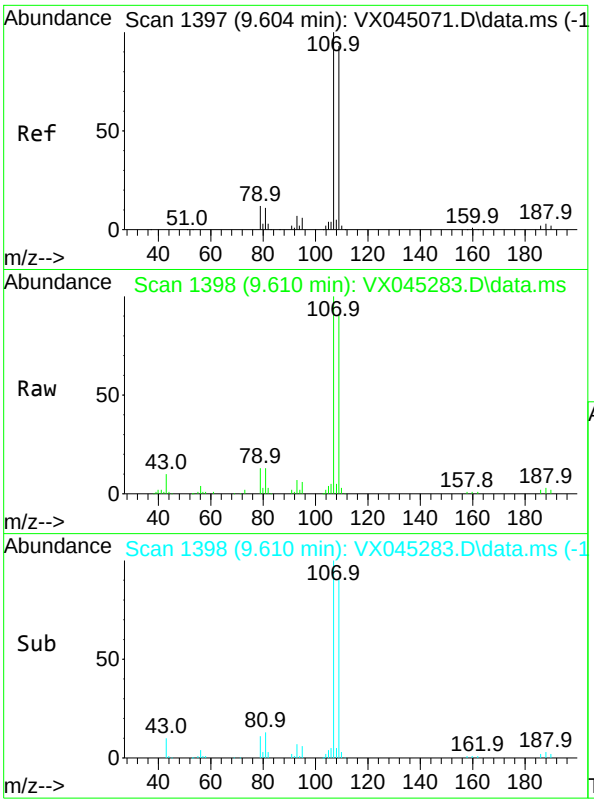


#60
Dibromochloromethane
Concen: 57.433 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:129 Resp: 59204

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.5	115.5



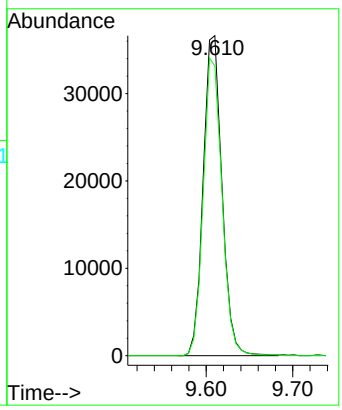


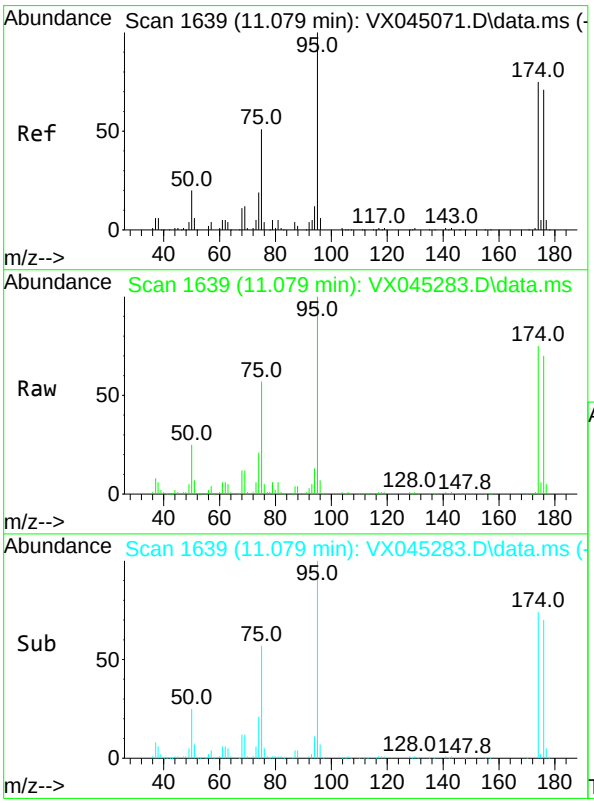
#61
1,2-Dibromoethane
Concen: 55.933 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 55049

Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.1	114.1

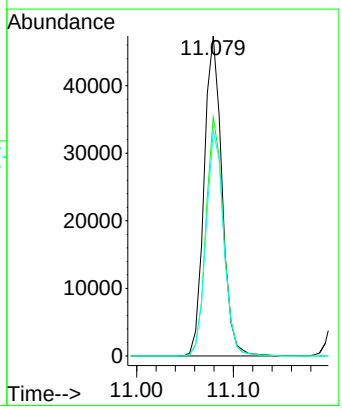


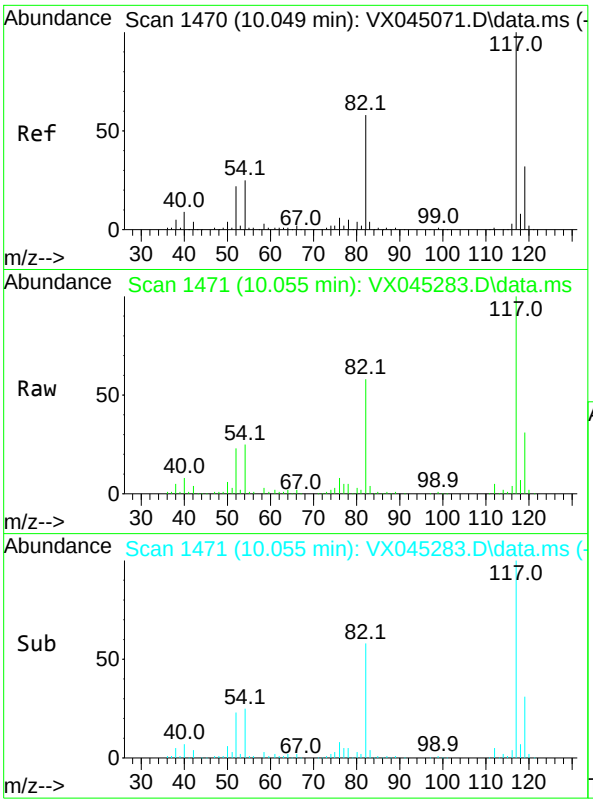


#62
4-Bromofluorobenzene
Concen: 53.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 95 Resp: 60679

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	69.9	0.0	141.4



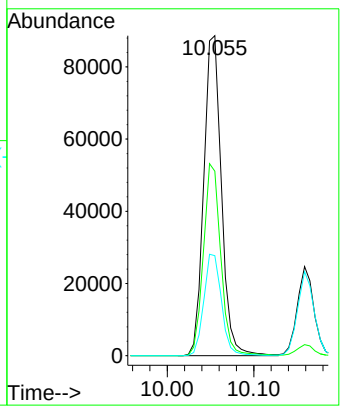


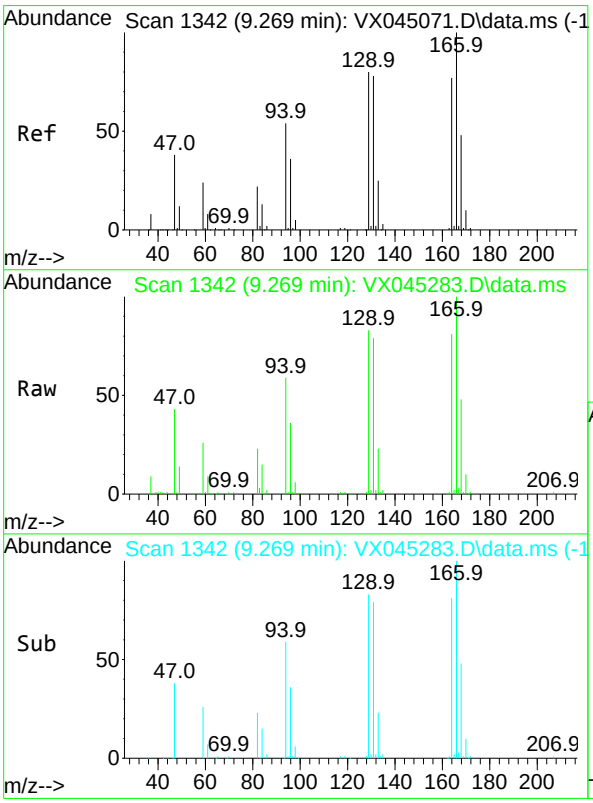
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 125789

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.3	69.5
119	31.2	25.7	38.5

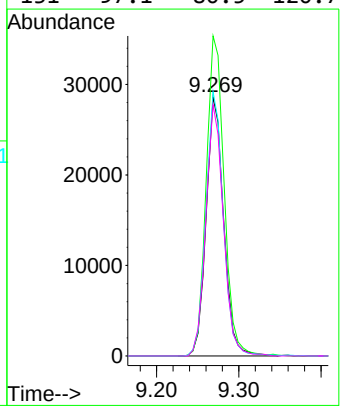


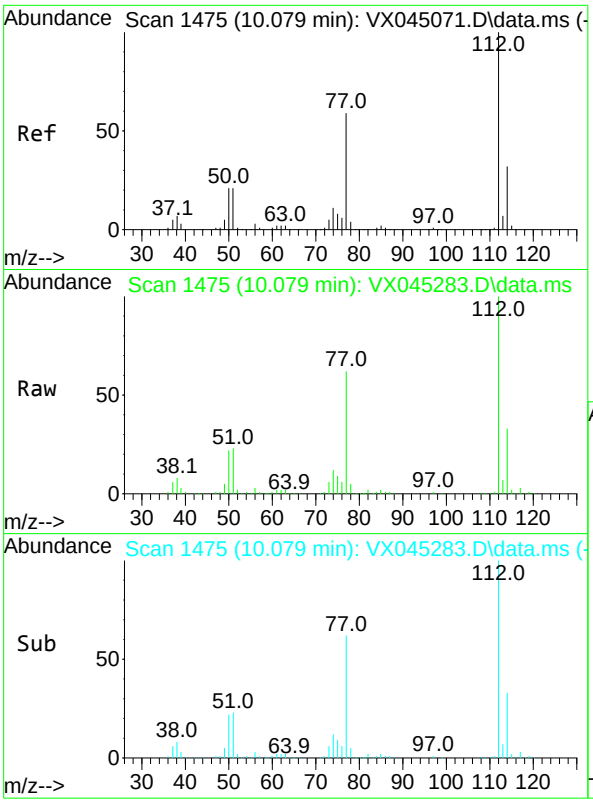


#64
Tetrachloroethene
Concen: 52.441 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:164 Resp: 42248

Ion	Ratio	Lower	Upper
164	100		
166	123.7	103.6	155.4
129	102.1	82.7	124.1
131	97.1	80.5	120.7



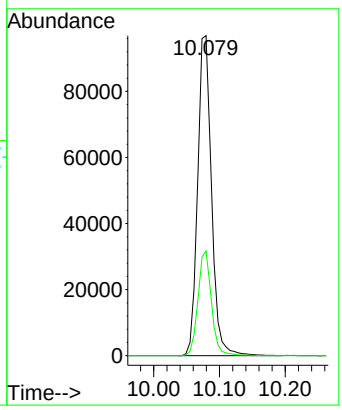


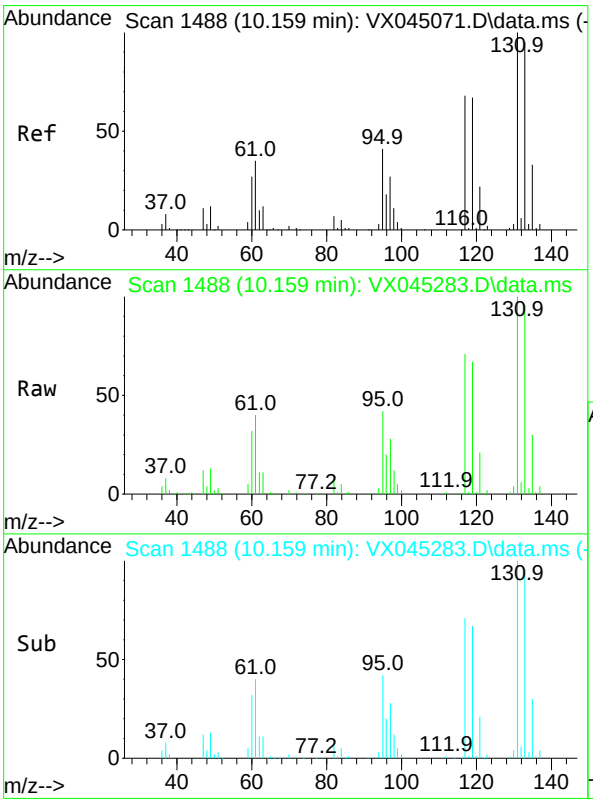
#65
Chlorobenzene
Concen: 53.491 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 142375

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.0	39.0

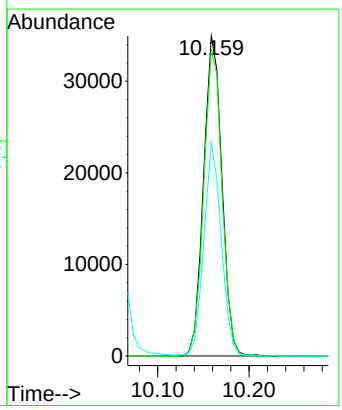


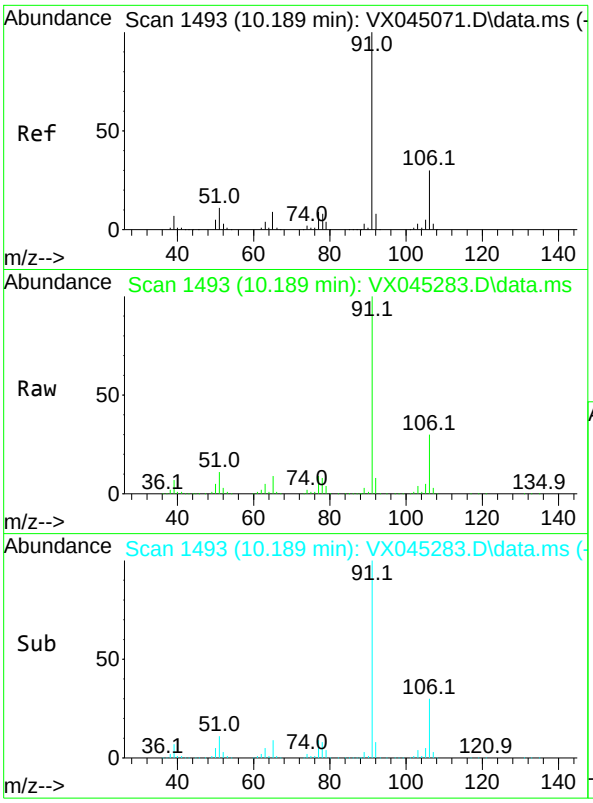


#66
1,1,1,2-Tetrachloroethane
Concen: 54.755 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:131 Resp: 48534

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.6	145.9
119	63.9	33.9	101.7



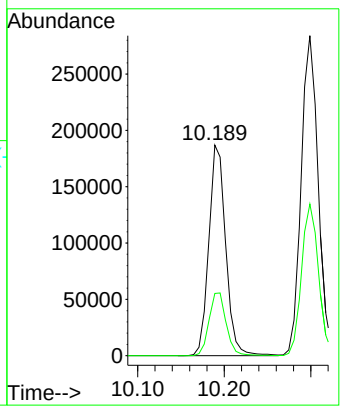


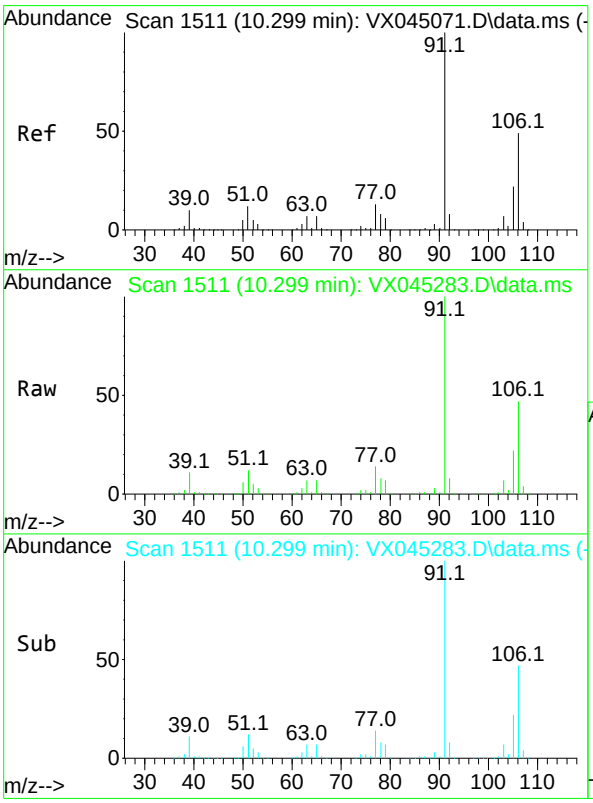
#67
Ethyl Benzene
Concen: 54.641 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 253416

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

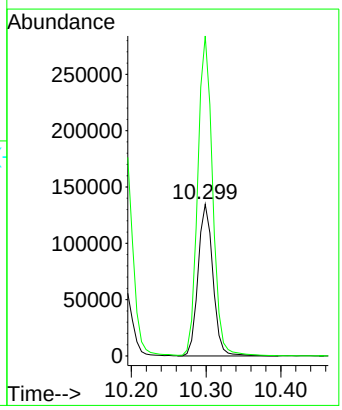


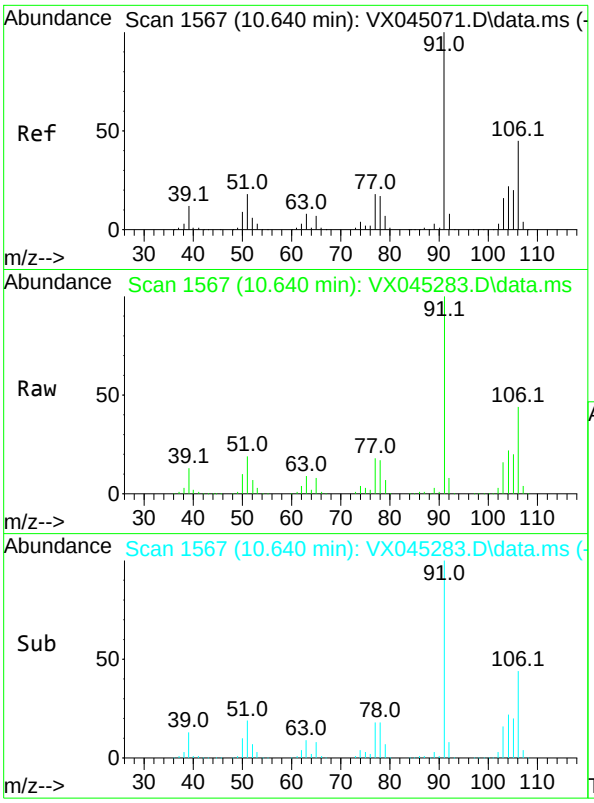


#68
m/p-Xylenes
Concen: 109.313 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:106 Resp: 185589

Ion	Ratio	Lower	Upper
106	100		
91	211.5	165.4	248.0



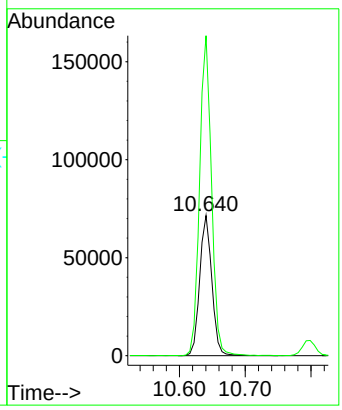


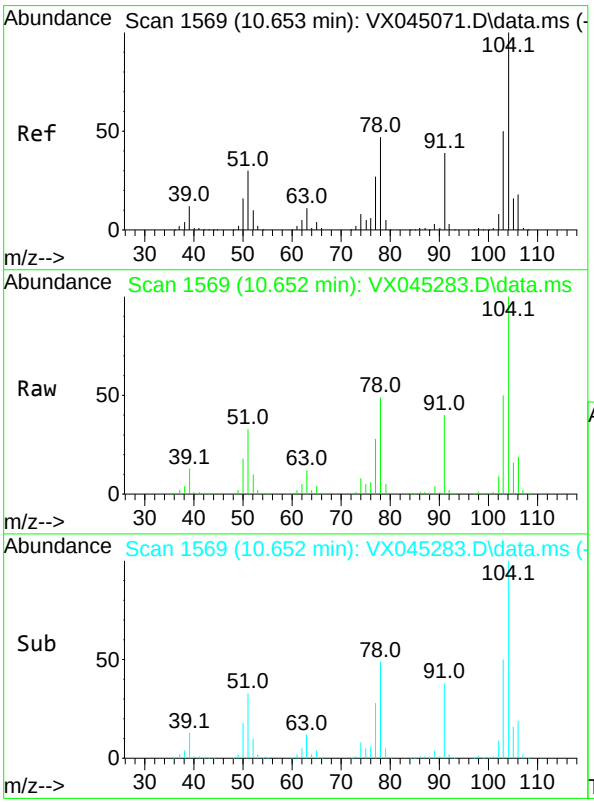
#69
o-Xylene
Concen: 53.595 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 91772

Ion	Ratio	Lower	Upper
106	100		
91	224.3	109.9	329.6

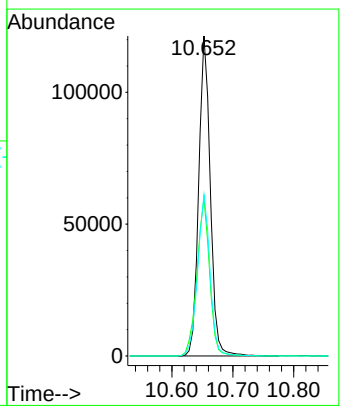


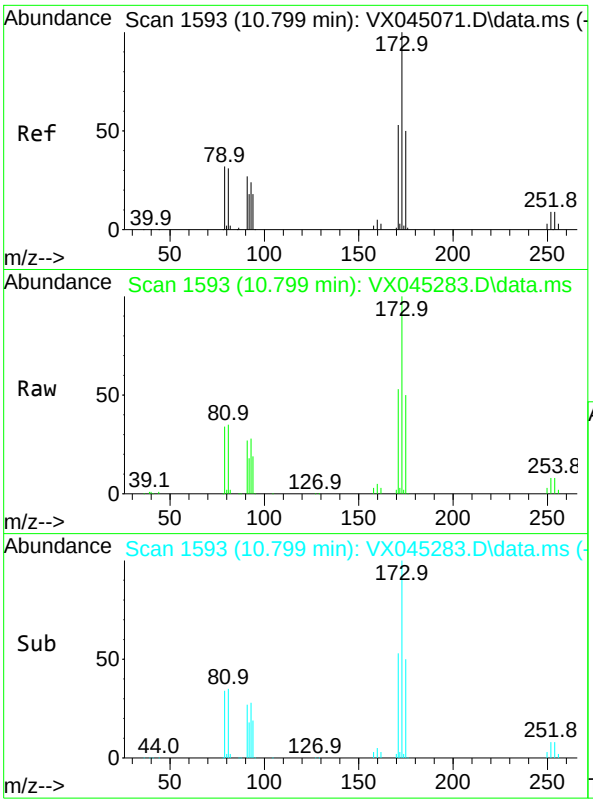


#70
Styrene
Concen: 57.742 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:104 Resp: 159983

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.4
103	54.3	43.8	65.8



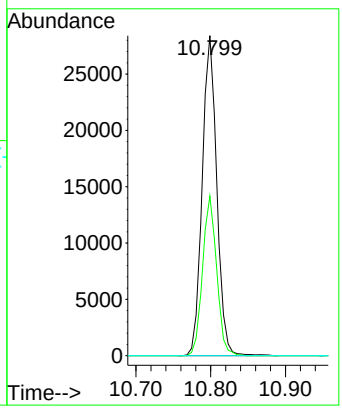


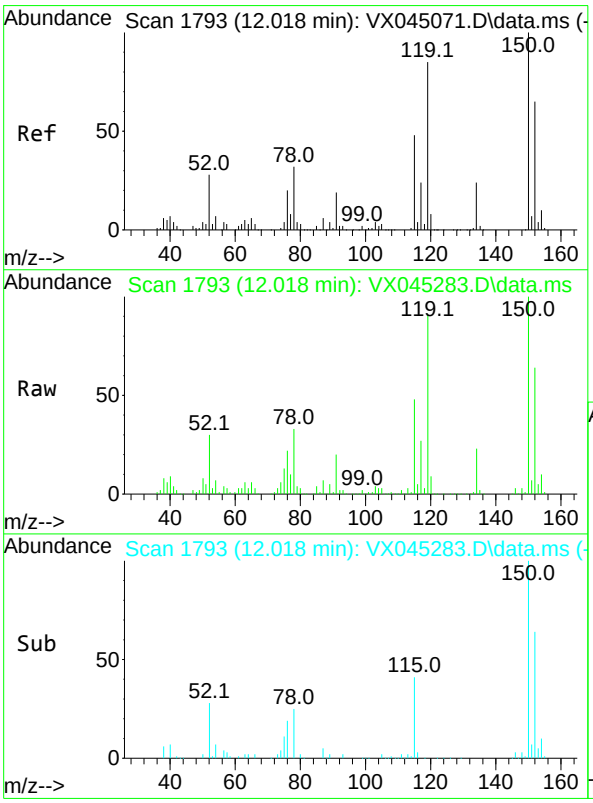
#71
Bromoform
Concen: 57.398 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 38366

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

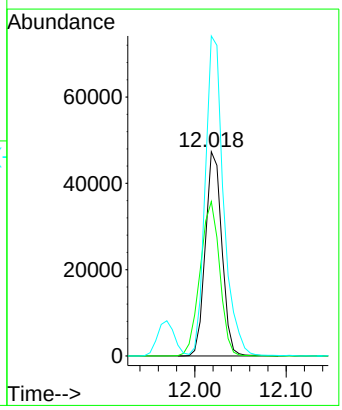


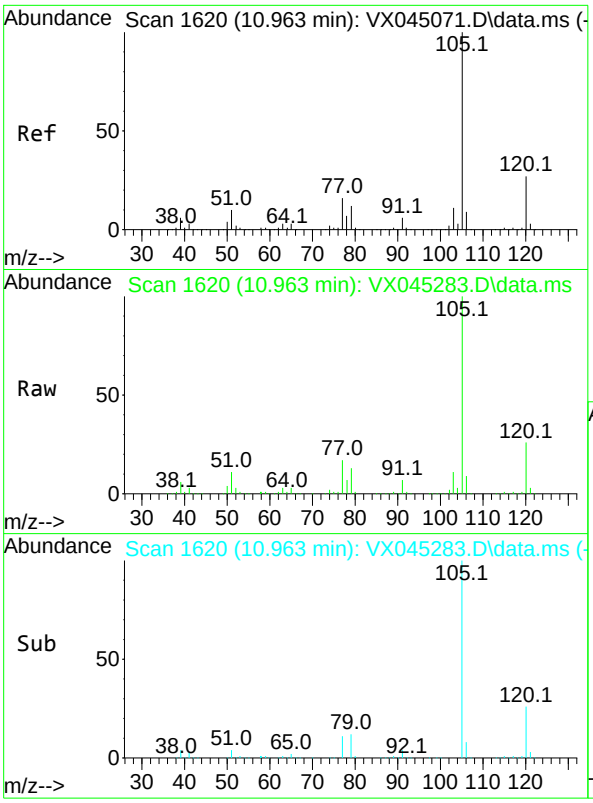


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:152 Resp: 59033

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	174.5	0.0	349.0



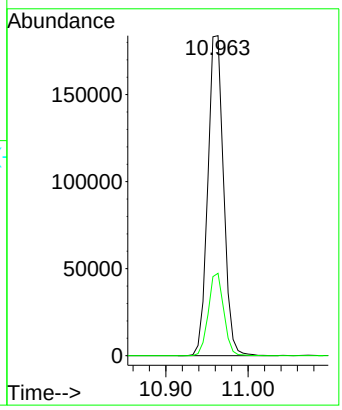


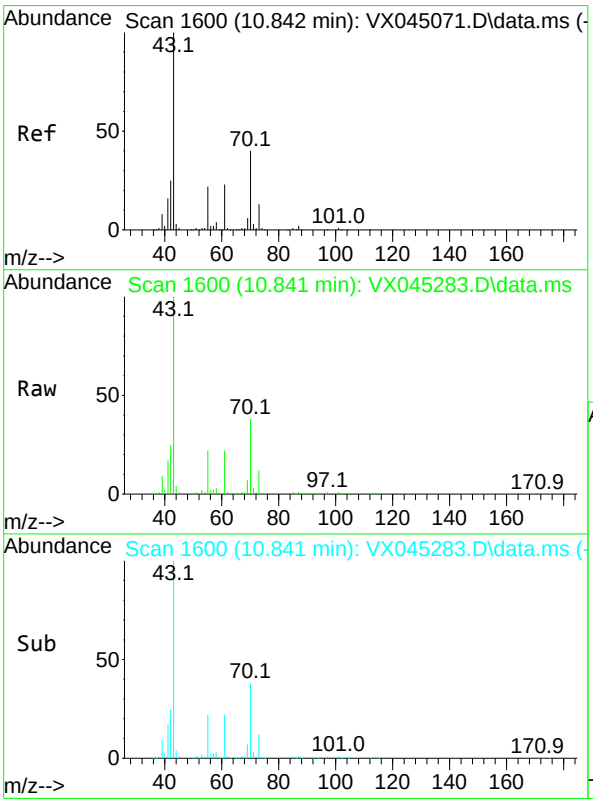
#73
Isopropylbenzene
Concen: 52.919 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 243836

Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.2	39.5

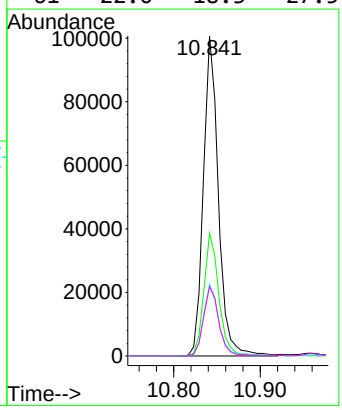


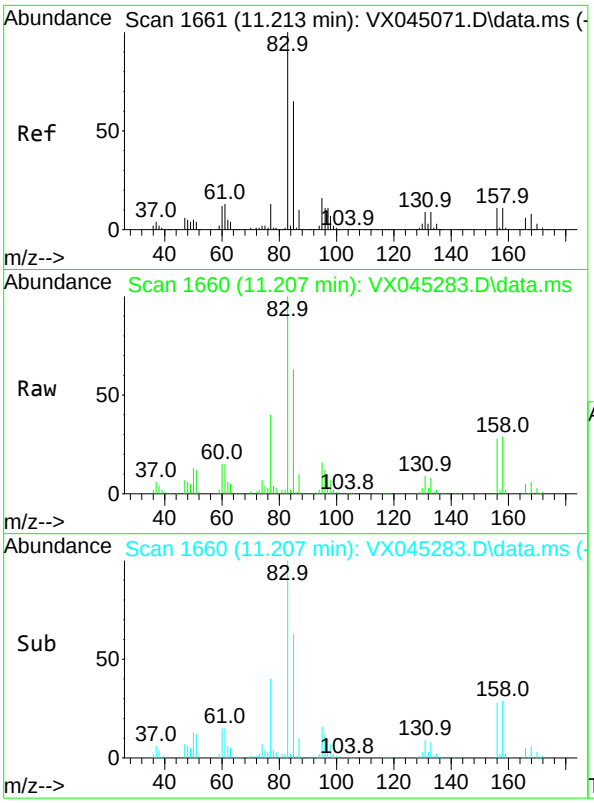


#74
N-amyl acetate
Concen: 56.183 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 43 Resp: 121472

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	23.4	18.3	27.5
61	22.0	18.3	27.5



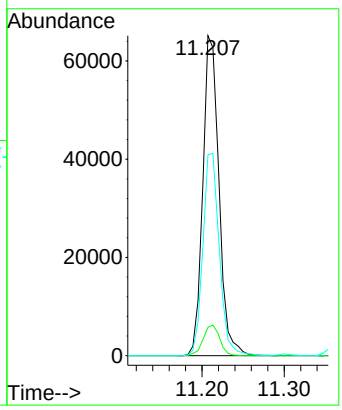


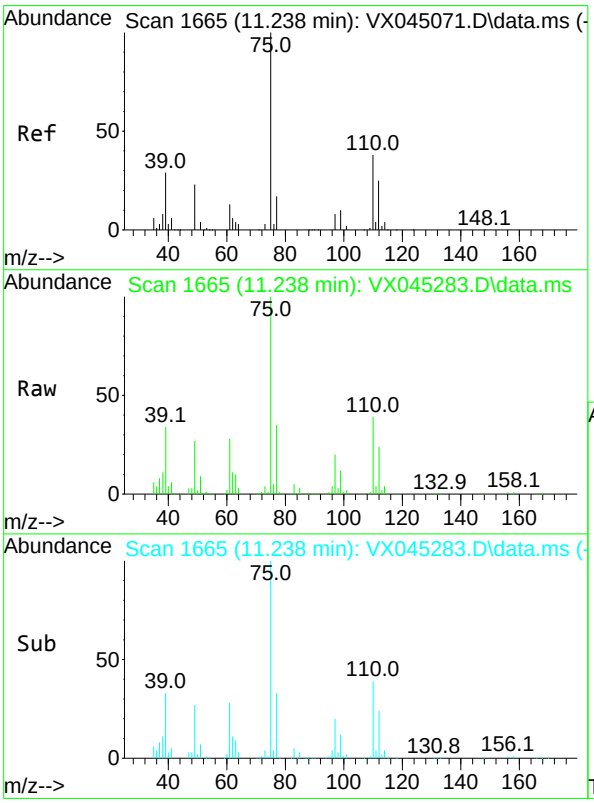
#75
1,1,2,2-Tetrachloroethane
Concen: 52.620 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 88973

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.4	31.7	95.1

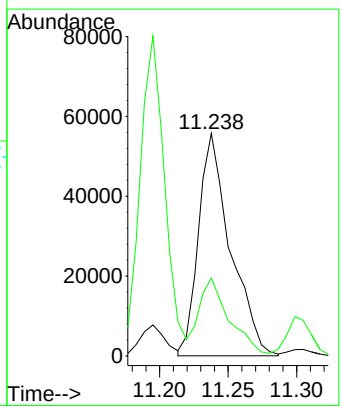


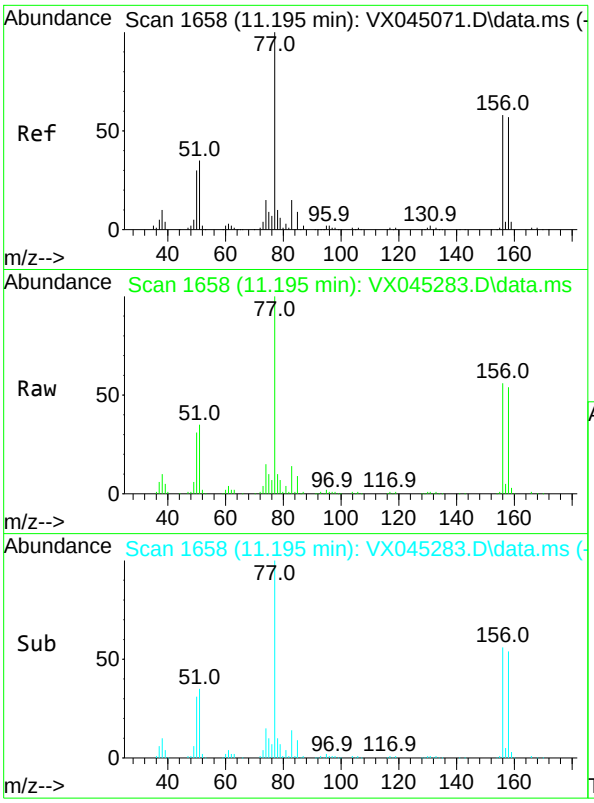


#76
1,2,3-Trichloropropane
Concen: 65.892 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 90536

Ion	Ratio	Lower	Upper
75	100		
77	33.5	20.7	62.1



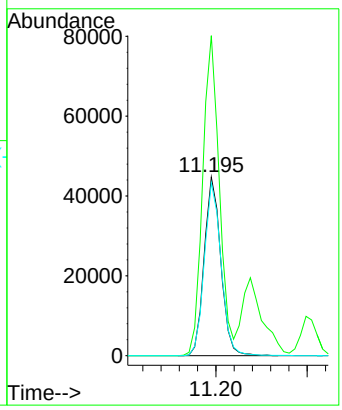


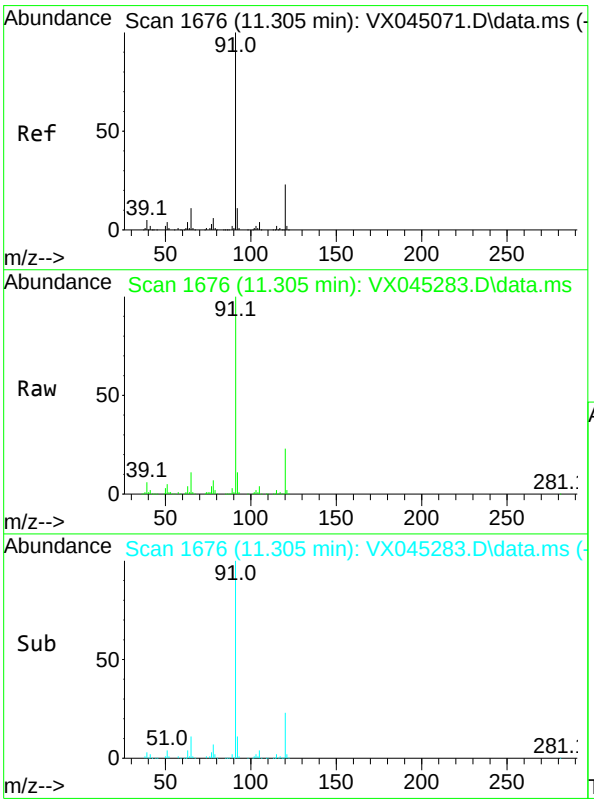
#77
Bromobenzene
Concen: 51.793 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 56307

Ion	Ratio	Lower	Upper
156	100		
77	179.3	85.8	257.4
158	98.0	48.4	145.2

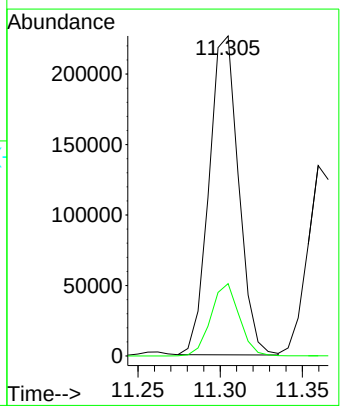


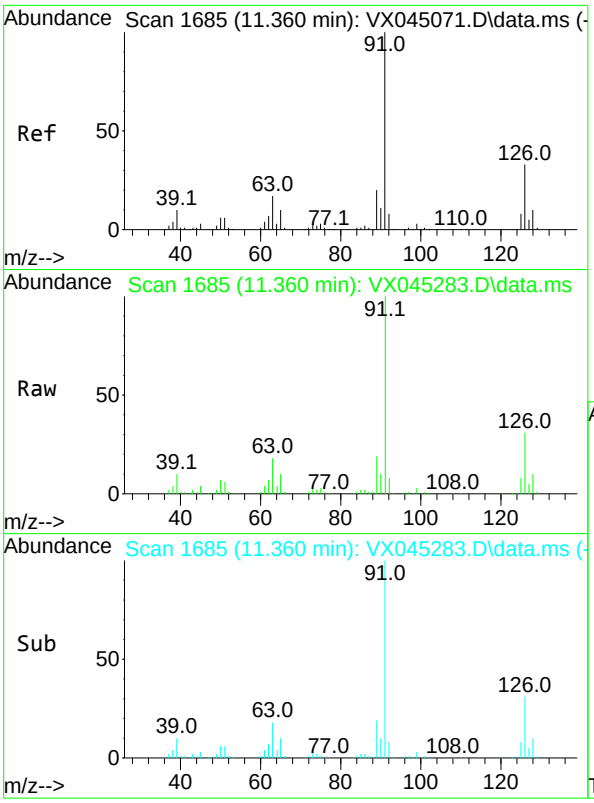


#78
n-propylbenzene
Concen: 54.443 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 91 Resp: 283376

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



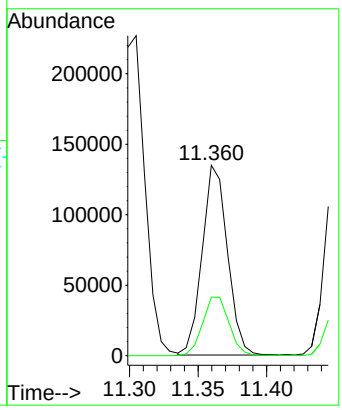


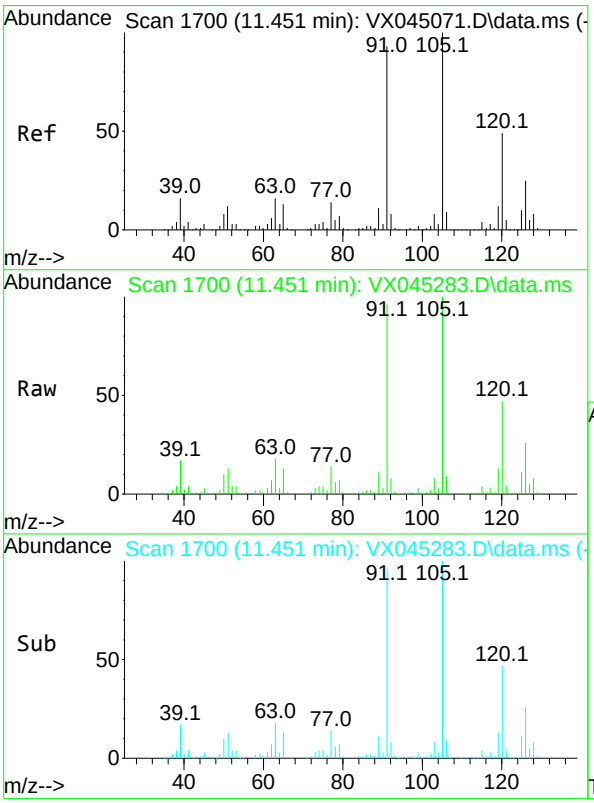
#79
2-Chlorotoluene
Concen: 52.021 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 172442

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

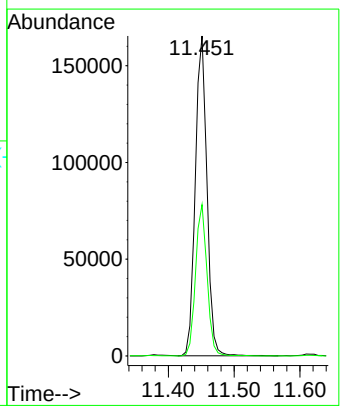


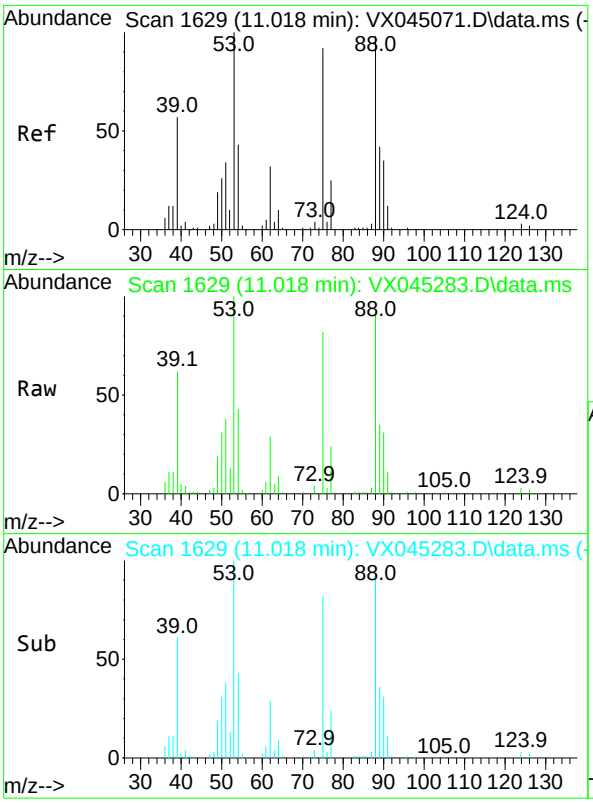


#80
1,3,5-Trimethylbenzene
Concen: 54.228 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:105 Resp: 202034

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2



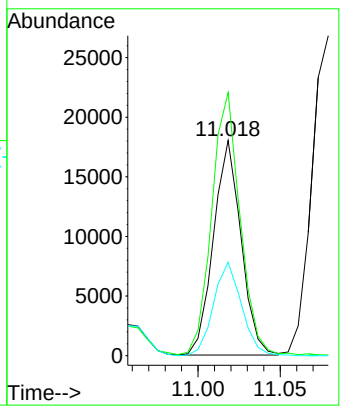


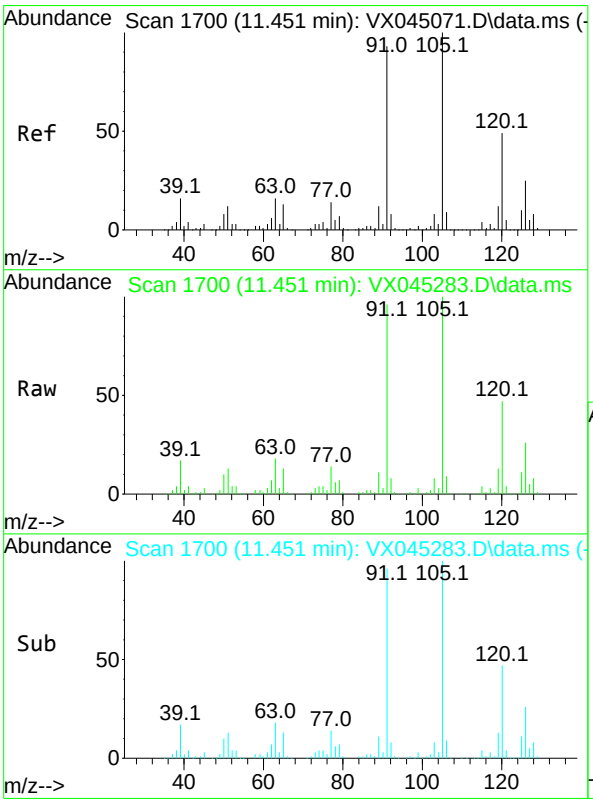
#81
trans-1,4-Dichloro-2-butene
Concen: 52.309 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 21002

Ion	Ratio	Lower	Upper
75	100		
53	127.2	88.5	132.7
89	44.4	36.2	54.4

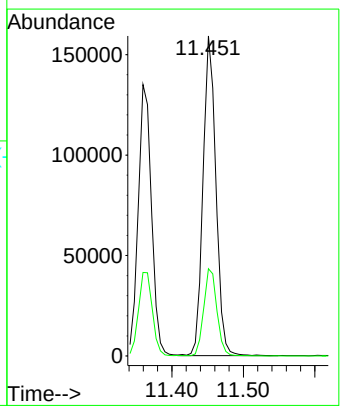


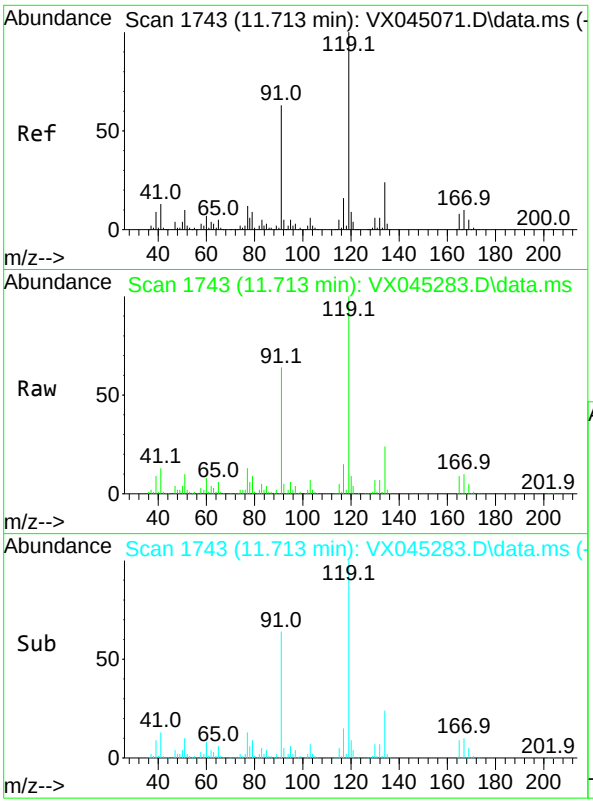


#82
4-Chlorotoluene
Concen: 55.244 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 91 Resp: 199582

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



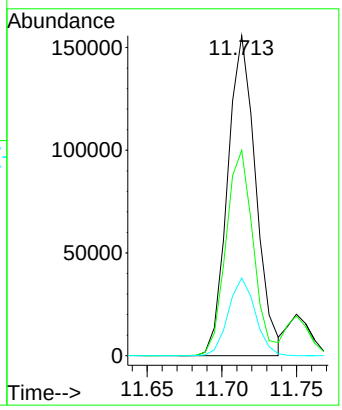


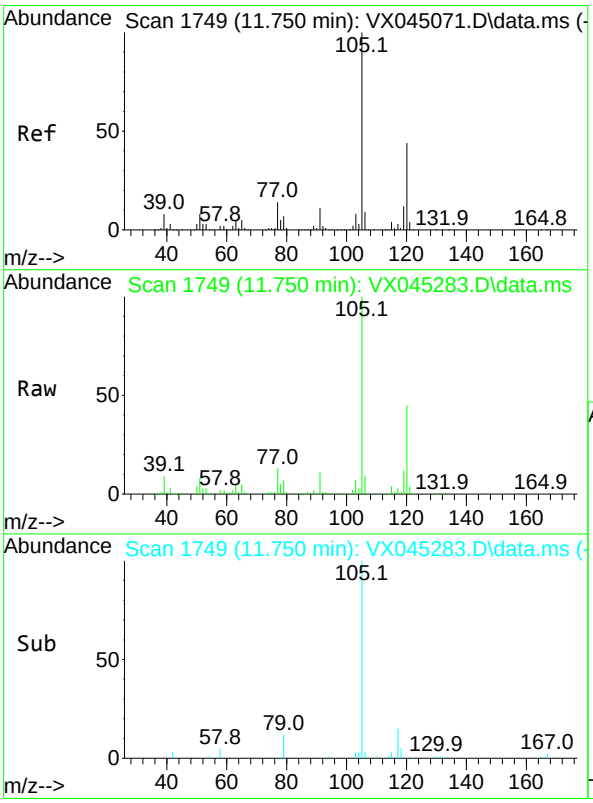
#83
tert-Butylbenzene
Concen: 53.130 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 203383

Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	23.3	11.7	35.0

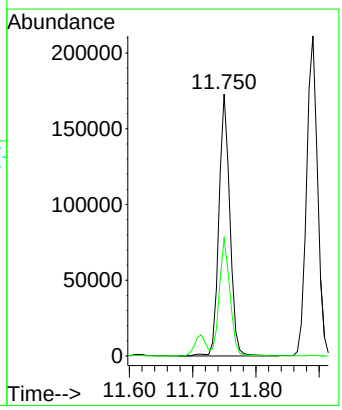


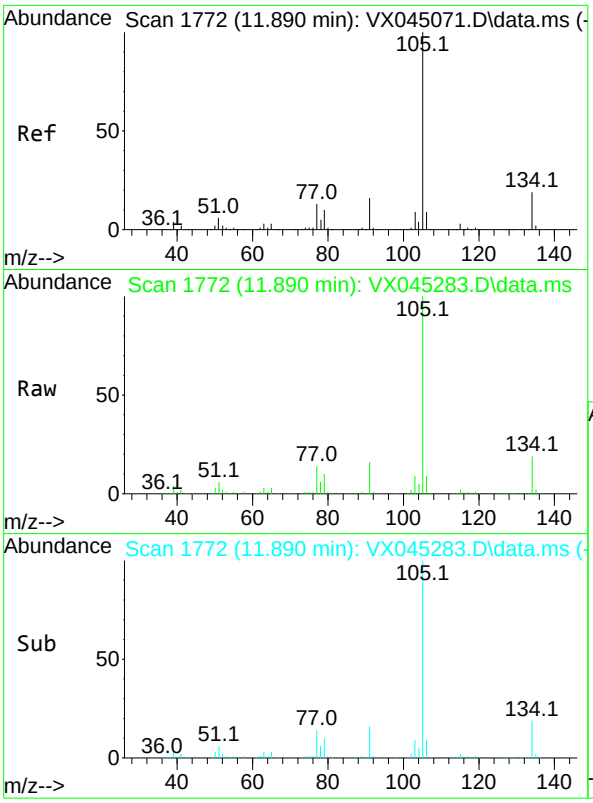


#84
1,2,4-Trimethylbenzene
Concen: 55.097 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:105 Resp: 206545

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



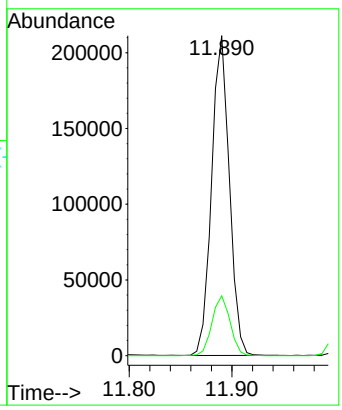


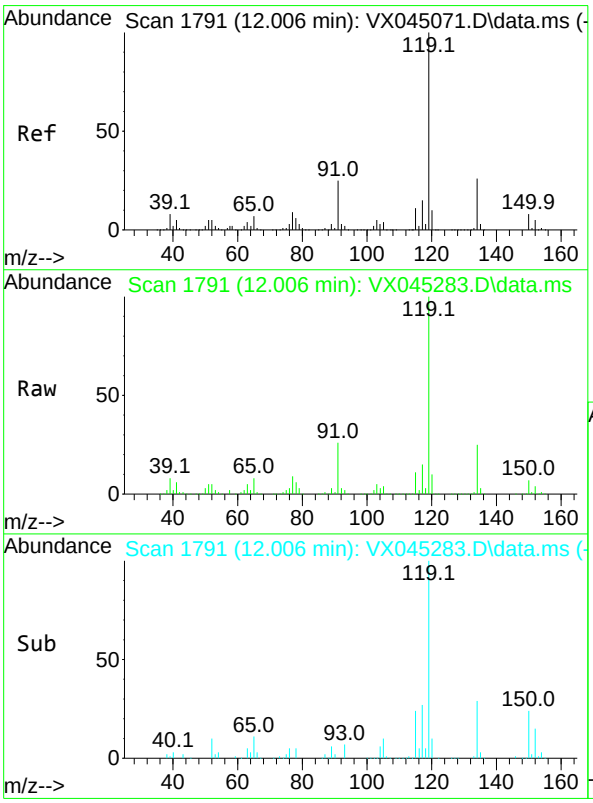
#85
sec-Butylbenzene
Concen: 55.182 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 253038

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

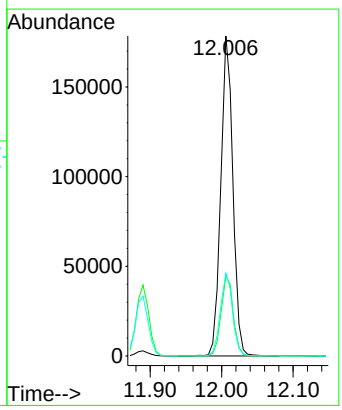


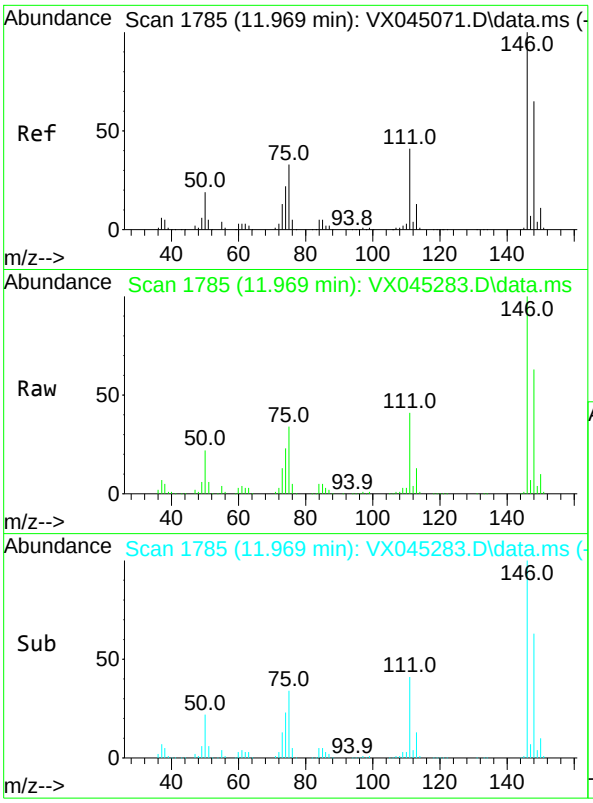


#86
p-Isopropyltoluene
Concen: 56.490 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:119 Resp: 209335

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	25.8	12.7	38.0



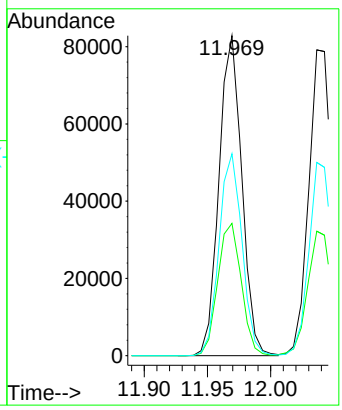


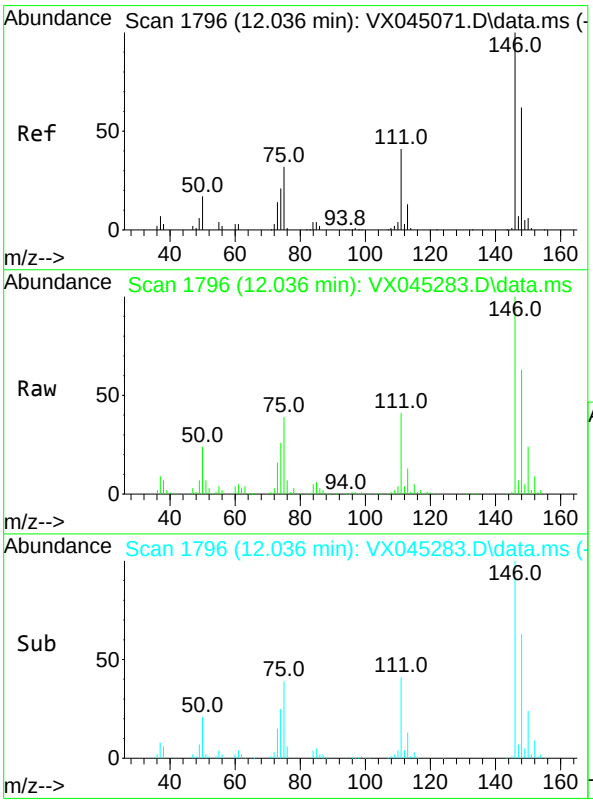
#87
1,3-Dichlorobenzene
Concen: 53.568 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 103891

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7

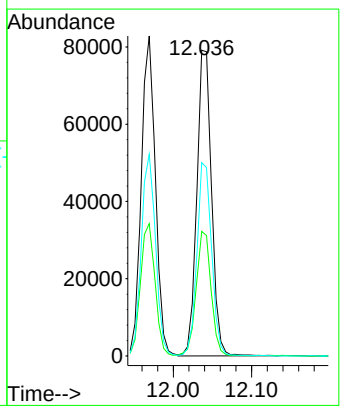


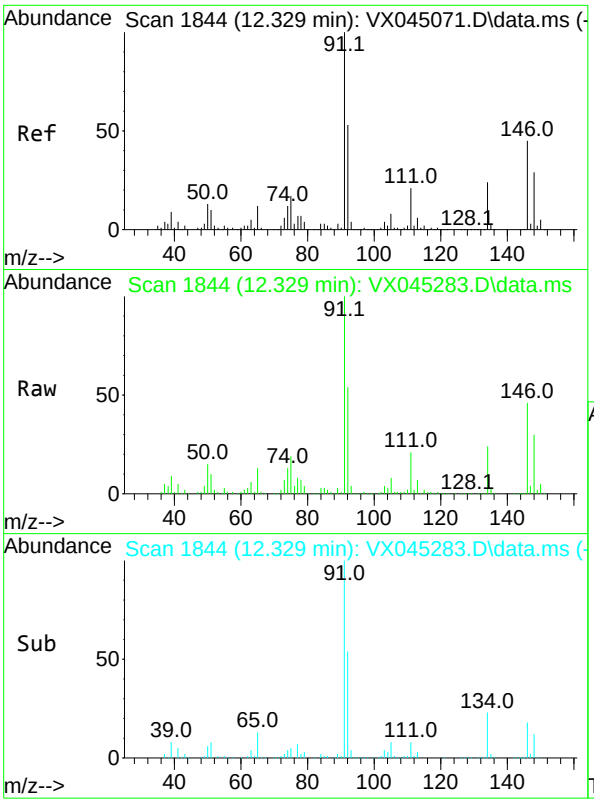


#88
1,4-Dichlorobenzene
Concen: 52.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:146 Resp: 103661

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.9	31.9	95.9



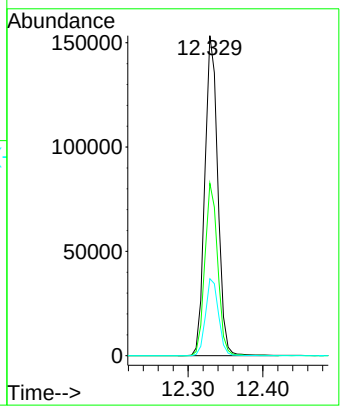


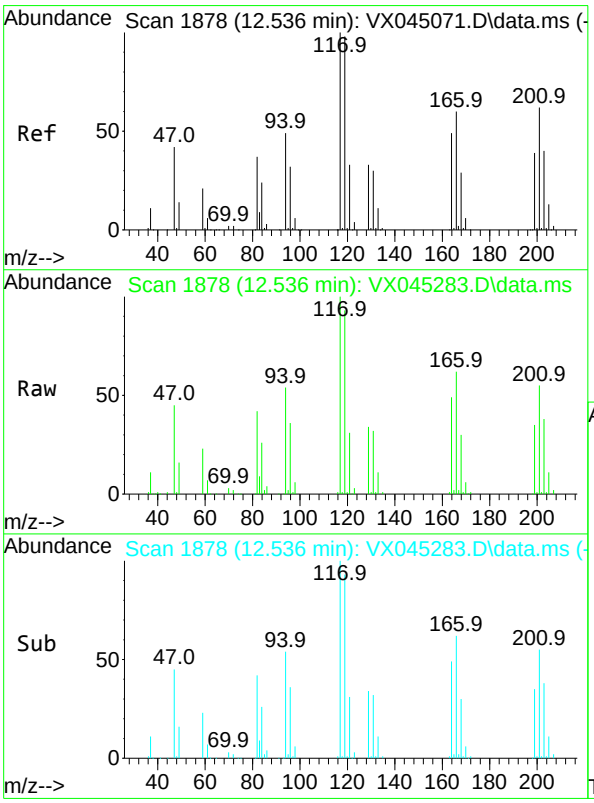
#89
n-Butylbenzene
Concen: 57.893 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 184773

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.0	12.2	36.6

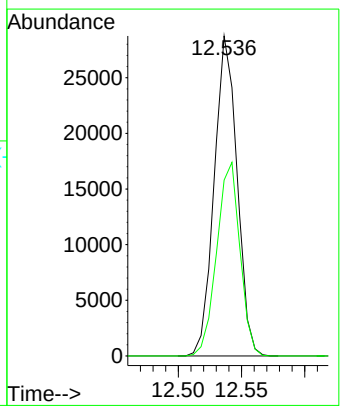


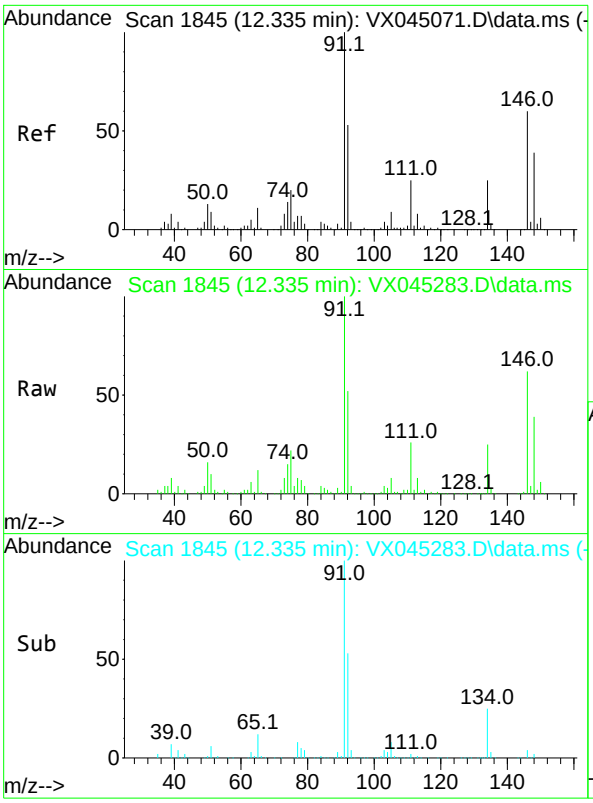


#90
Hexachloroethane
Concen: 53.899 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:117 Resp: 36127

Ion	Ratio	Lower	Upper
117	100		
201	61.3	31.9	95.9



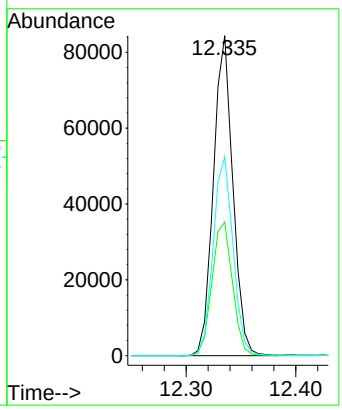


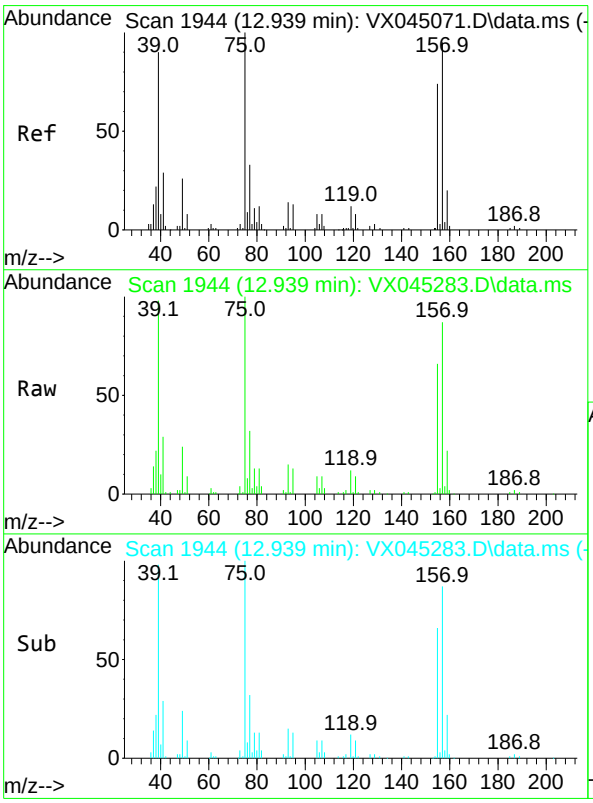
#91
1,2-Dichlorobenzene
Concen: 53.519 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 104122

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	63.8	31.9	95.9

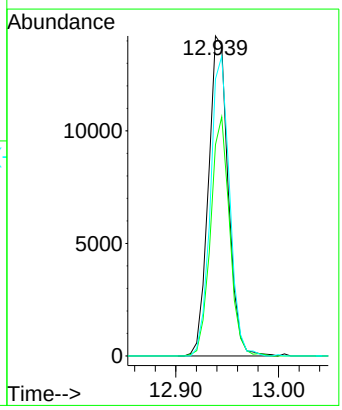


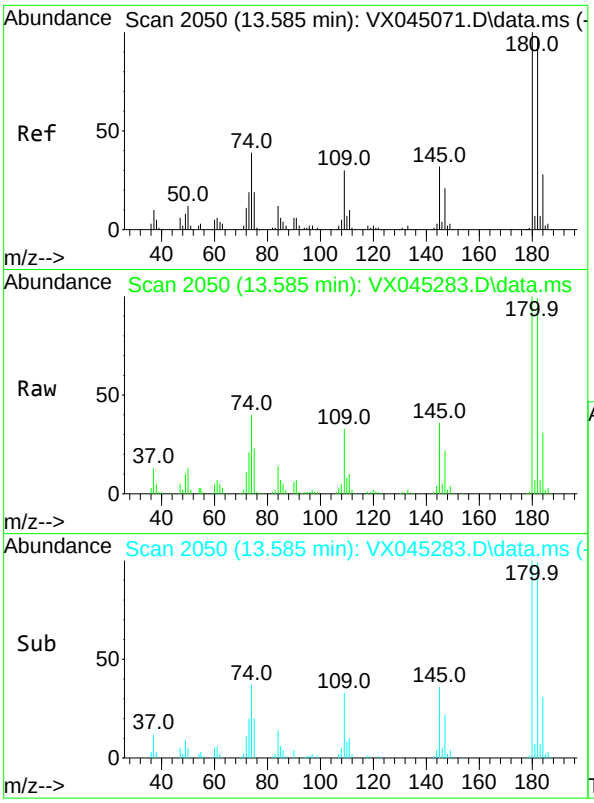


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.816 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion: 75 Resp: 19045

Ion	Ratio	Lower	Upper
75	100		
155	71.3	39.6	118.7
157	90.3	51.1	153.4



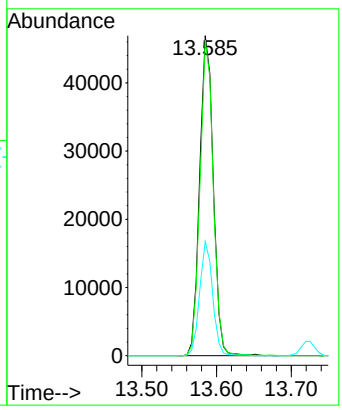


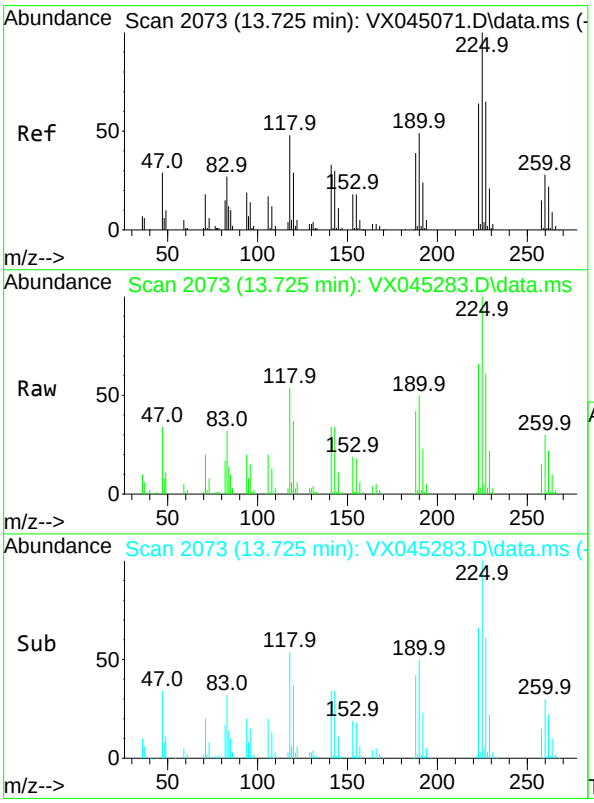
#93
1,2,4-Trichlorobenzene
Concen: 53.542 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 59313

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	34.1	16.3	48.9

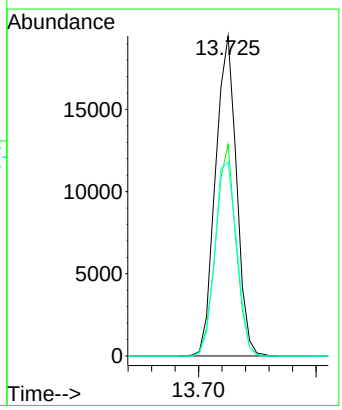


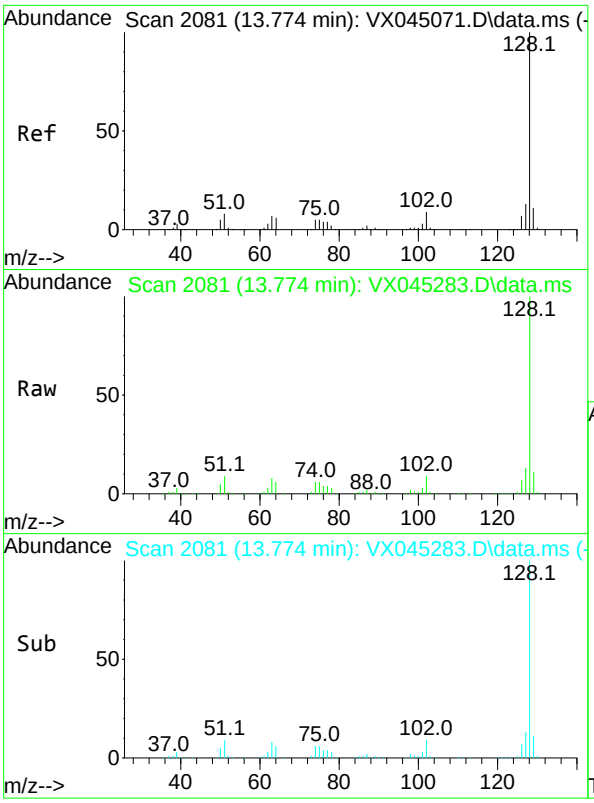


#94
Hexachlorobutadiene
Concen: 53.348 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:225 Resp: 24229

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	63.0	31.4	94.0



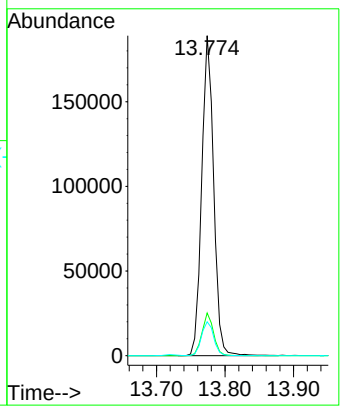


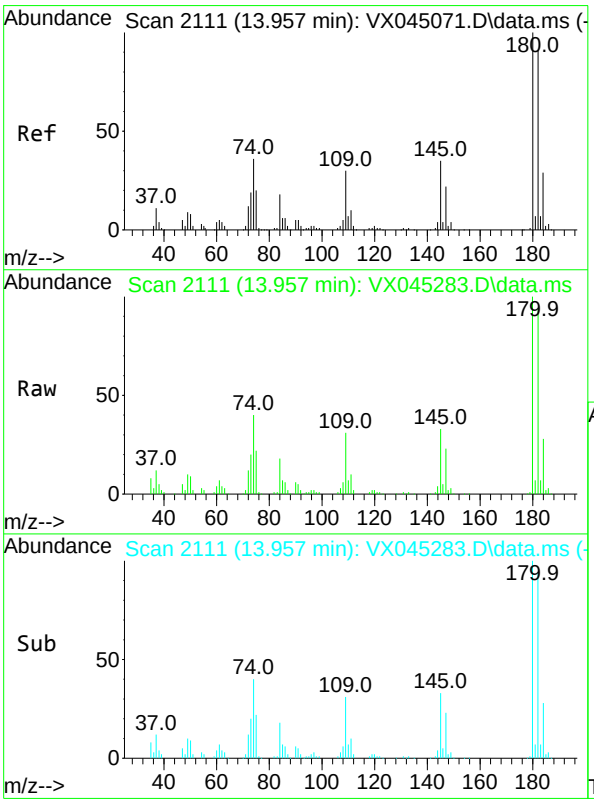
#95
Naphthalene
Concen: 53.962 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 229675

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

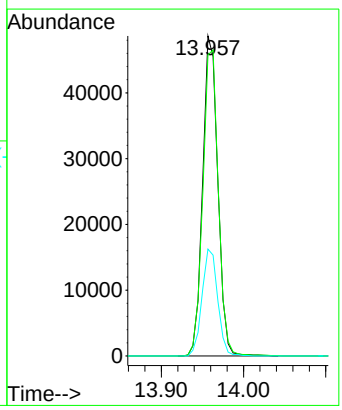




#96
1,2,3-Trichlorobenzene
Concen: 53.253 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045283.D
Acq: 13 Mar 2025 20:35

Tgt Ion:180 Resp: 62234

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	99818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81784	51.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	5.379	113	61666	52.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	8.647	98	213078	49.996	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.000%			
62) 4-Bromofluorobenzene	11.079	95	77049	54.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	60222	47.929	ug/l	97
3) Chloromethane	1.300	50	69904	45.462	ug/l	100
4) Vinyl Chloride	1.374	62	62913	41.244	ug/l	97
5) Bromomethane	1.593	94	27332	45.580	ug/l	99
6) Chloroethane	1.660	64	31612	44.930	ug/l	100
7) Trichlorofluoromethane	1.867	101	93429	46.268	ug/l	96
8) Diethyl Ether	2.130	74	33560	42.490	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	62031	53.469	ug/l	98
10) Methyl Iodide	2.441	142	74553	51.423	ug/l	97
11) Tert butyl alcohol	2.983	59	58920	195.913	ug/l	99
12) 1,1-Dichloroethene	2.306	96	58098	47.367	ug/l	99
13) Acrolein	2.233	56	81811	235.324	ug/l	100
14) Allyl chloride	2.654	41	108834	49.848	ug/l	95
15) Acrylonitrile	3.062	53	193713	240.329	ug/l	99
16) Acetone	2.386	43	170062	230.853	ug/l	98
17) Carbon Disulfide	2.501	76	130150	39.839	ug/l	98
18) Methyl Acetate	2.703	43	104537	58.988	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	204467	49.687	ug/l	99
20) Methylene Chloride	2.782	84	67795	46.459	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	57461	47.420	ug/l	95
22) Diisopropyl ether	3.757	45	222471	50.102	ug/l	93
23) Vinyl Acetate	3.715	43	925572	249.784	ug/l	99
24) 1,1-Dichloroethane	3.599	63	121571	48.853	ug/l	99
25) 2-Butanone	4.556	43	267999	241.687	ug/l	100
26) 2,2-Dichloropropane	4.465	77	84755	72.611	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	72736	48.625	ug/l	93
28) Bromochloromethane	4.885	49	59956	50.547	ug/l	98
29) Tetrahydrofuran	5.001	42	169735	227.936	ug/l	100
30) Chloroform	5.080	83	121902	49.301	ug/l	97
31) Cyclohexane	5.458	56	101352	46.918	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	99429	49.788	ug/l	97
36) 1,1-Dichloropropene	5.684	75	79034	49.023	ug/l	99
37) Ethyl Acetate	4.708	43	99330	47.814	ug/l	99
38) Carbon Tetrachloride	5.666	117	82850	50.618	ug/l	98
39) Methylcyclohexane	7.373	83	99912	51.720	ug/l	99
40) Benzene	6.025	78	248464	48.805	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	57809	51.464	ug/l		98
42) 1,2-Dichloroethane	6.080	62	95767	52.239	ug/l		98
43) Isopropyl Acetate	6.336	43	158682	51.656	ug/l		99
44) Trichloroethene	7.117	130	57829	48.376	ug/l		98
45) 1,2-Dichloropropane	7.427	63	64231	49.071	ug/l		100
46) Dibromomethane	7.574	93	47670	51.526	ug/l		97
47) Bromodichloromethane	7.818	83	94385	52.012	ug/l		99
48) Methyl methacrylate	7.690	41	81849	53.109	ug/l		95
49) 1,4-Dioxane	7.659	88	29493	907.231	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	535545	259.644	ug/l		100
52) Toluene	8.714	92	150886	50.515	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84146	55.465	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	95867	54.190	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	61925	50.360	ug/l		97
56) Ethyl methacrylate	9.116	69	100306	53.664	ug/l		96
57) 1,3-Dichloropropane	9.305	76	106823	50.198	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	265011	290.649	ug/l		98
59) 2-Hexanone	9.427	43	394266	263.820	ug/l		99
60) Dibromochloromethane	9.518	129	68198	53.043	ug/l		99
61) 1,2-Dibromoethane	9.604	107	61888	50.415	ug/l		98
64) Tetrachloroethene	9.269	164	49539	51.098	ug/l		94
65) Chlorobenzene	10.073	112	162786	50.822	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54990	51.552	ug/l		98
67) Ethyl Benzene	10.189	91	288783	51.743	ug/l		100
68) m/p-Xylenes	10.299	106	212826	104.167	ug/l		98
69) o-Xylene	10.640	106	105690	51.291	ug/l		99
70) Styrene	10.652	104	180599	54.166	ug/l		99
71) Bromoform	10.799	173	43504	54.084	ug/l	#	99
73) Isopropylbenzene	10.957	105	278606	50.023	ug/l		98
74) N-amyl acetate	10.841	43	139101	53.226	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99756	48.809	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	103671	62.422	ug/l		86
77) Bromobenzene	11.195	156	64588	49.150	ug/l		98
78) n-propylbenzene	11.299	91	329285	52.338	ug/l		98
79) 2-Chlorotoluene	11.360	91	197543	49.301	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	229603	50.984	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26079	53.737	ug/l		92
82) 4-Chlorotoluene	11.451	91	226650	51.902	ug/l		100
83) tert-Butylbenzene	11.713	119	232507	50.249	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	234292	51.705	ug/l		99
85) sec-Butylbenzene	11.890	105	295168	53.254	ug/l		100
86) p-Isopropyltoluene	12.006	119	243748	54.417	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	120314	51.323	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	118289	49.875	ug/l		99
89) n-Butylbenzene	12.329	91	223520	57.938	ug/l		99
90) Hexachloroethane	12.536	117	41142	50.780	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	119524	50.826	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20953	52.623	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	73192	54.660	ug/l		100
94) Hexachlorobutadiene	13.725	225	30372	55.325	ug/l		99
95) Naphthalene	13.774	128	268238	52.139	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74839	52.979	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

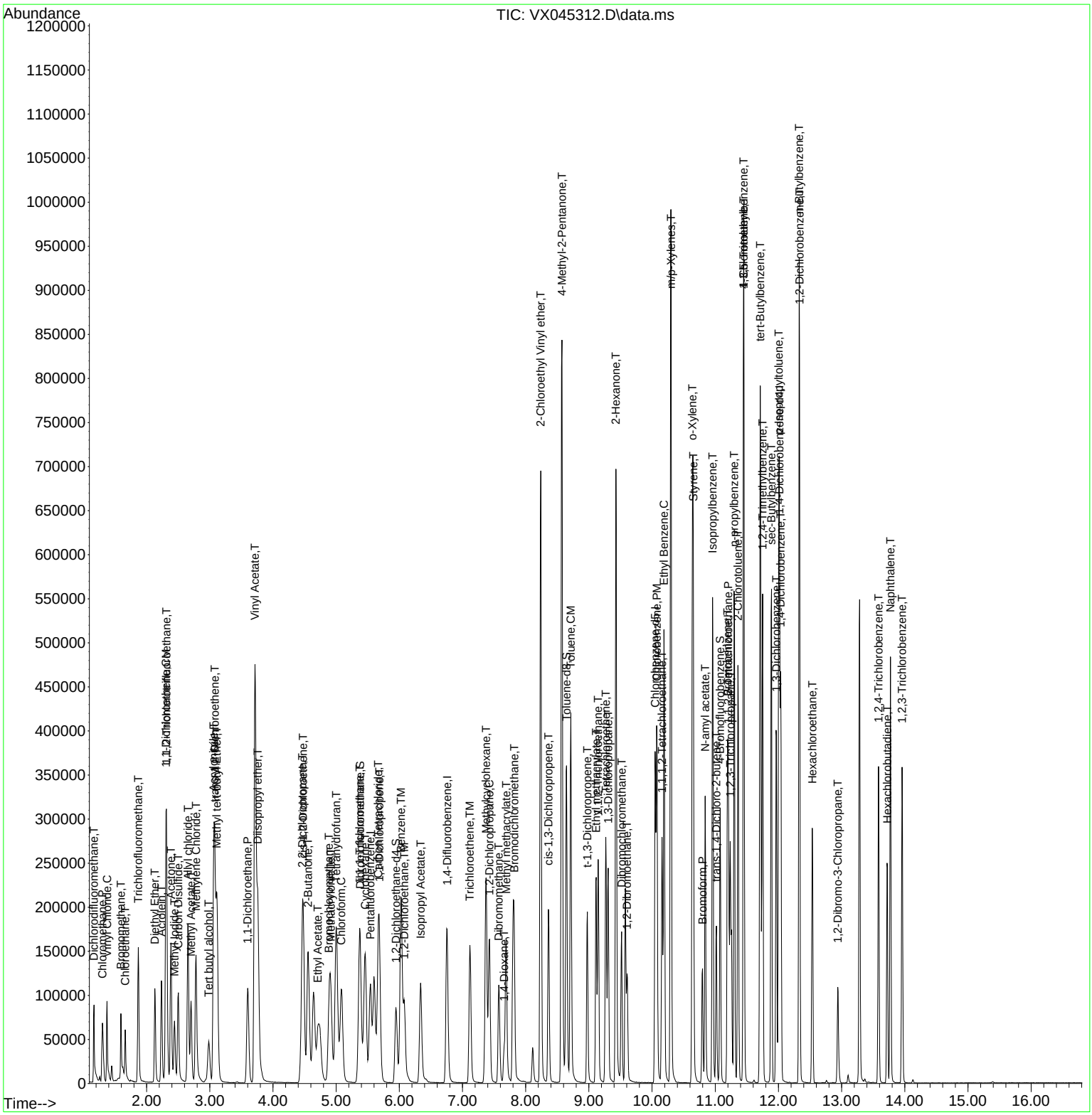
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

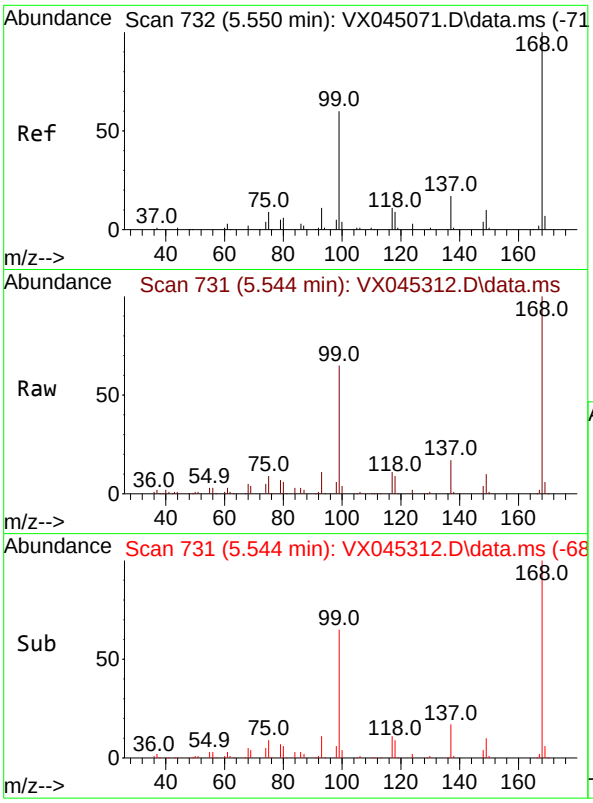
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045312.D
Acq On : 18 Mar 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



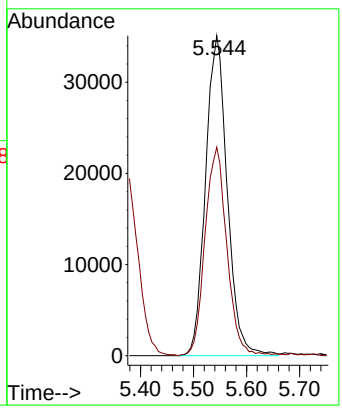


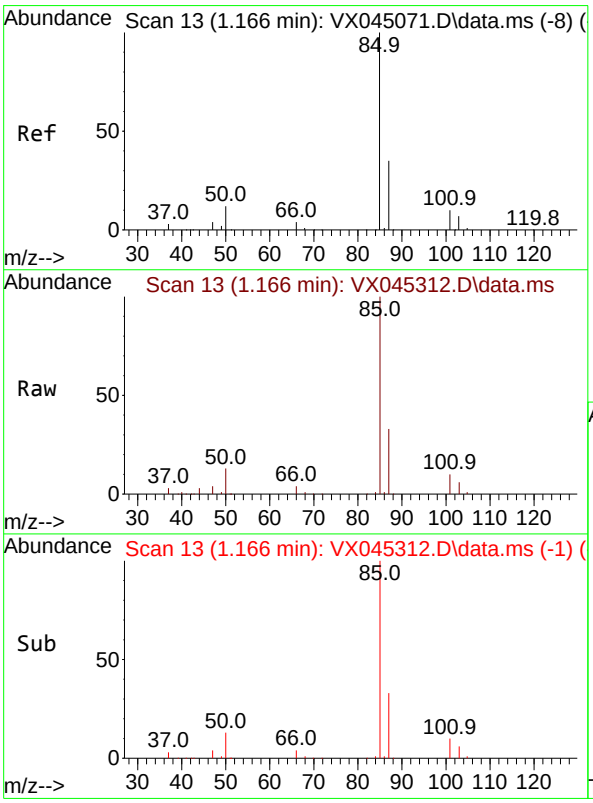
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 99818

Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.4

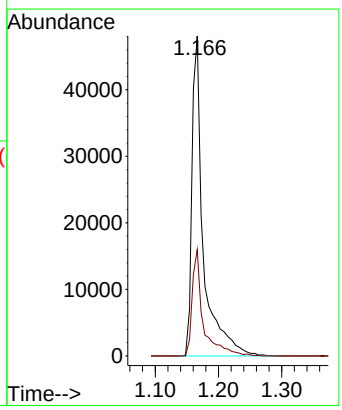


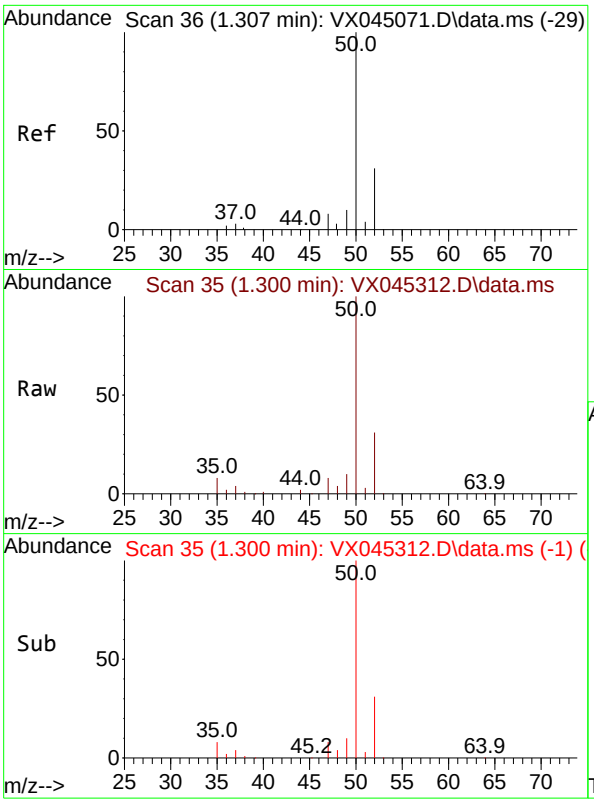


#2
Dichlorodifluoromethane
Concen: 47.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 85 Resp: 60222

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3



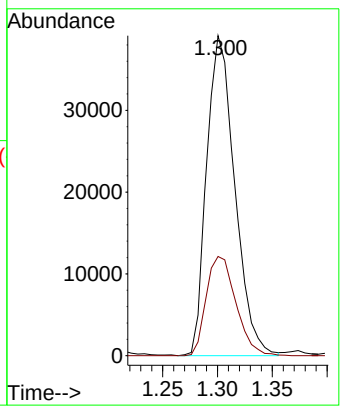


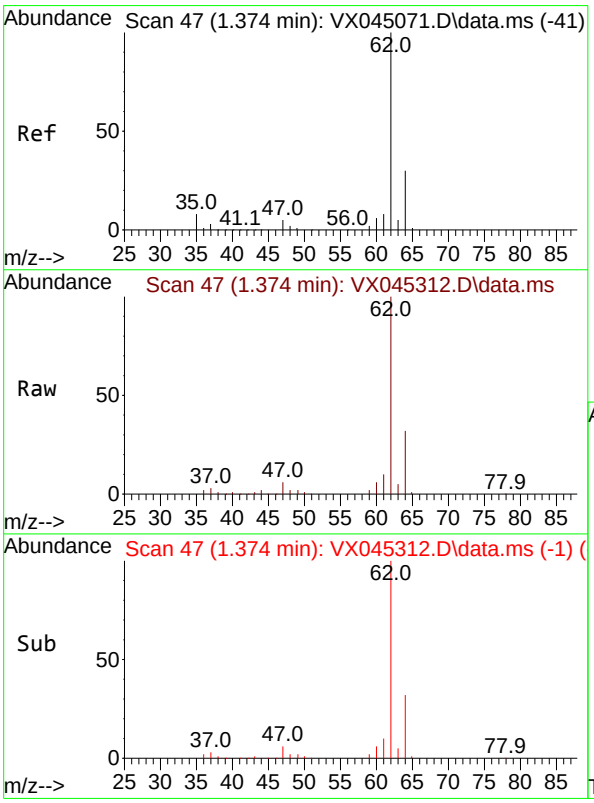
#3
Chloromethane
Concen: 45.462 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 69904

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.0	37.4

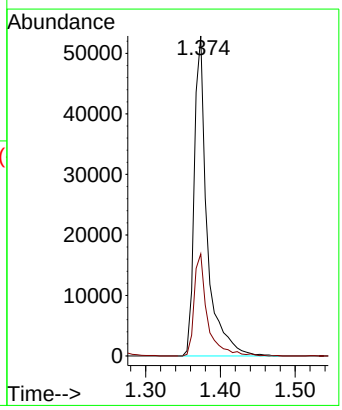


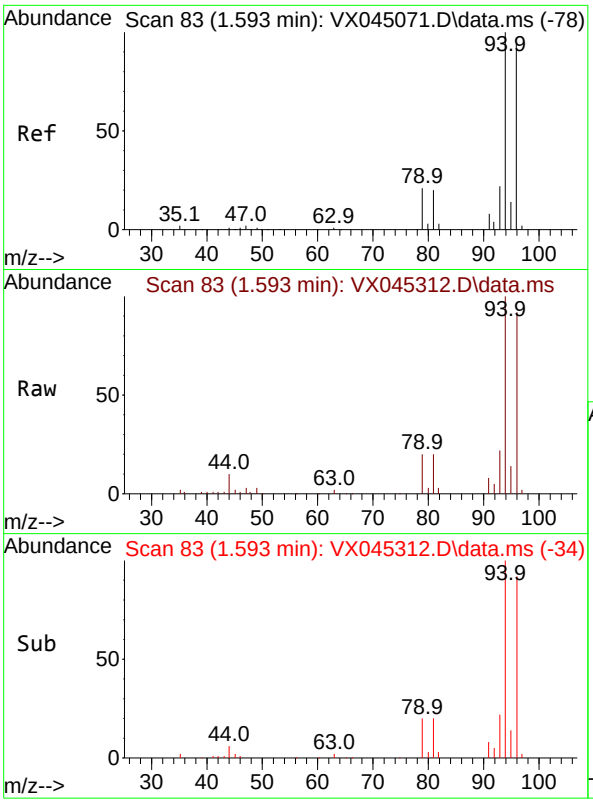


#4
Vinyl Chloride
Concen: 41.244 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 62 Resp: 62913

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.3	36.5



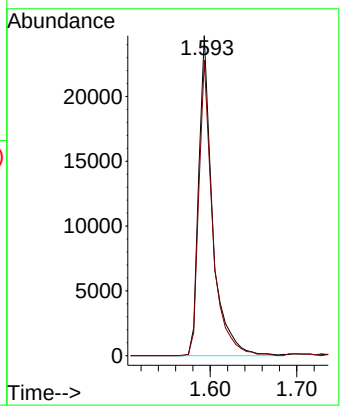


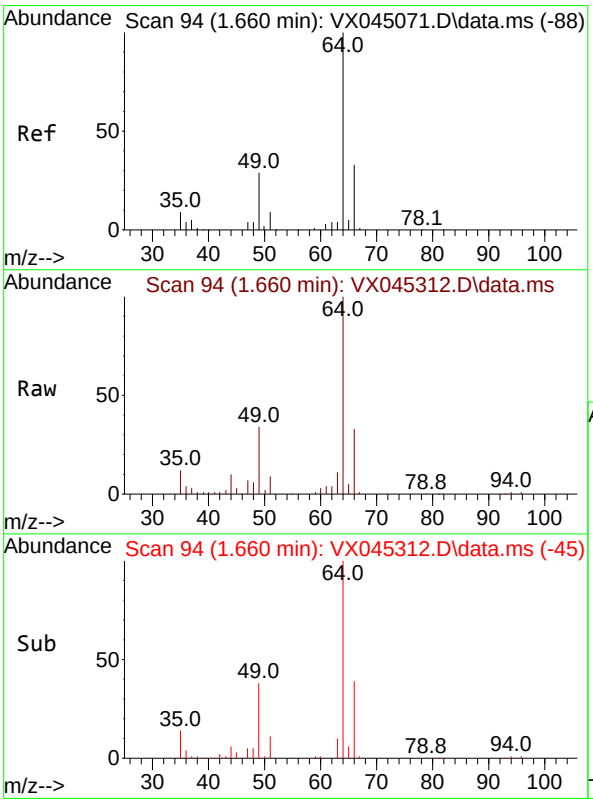
#5
Bromomethane
Concen: 45.580 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27332

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

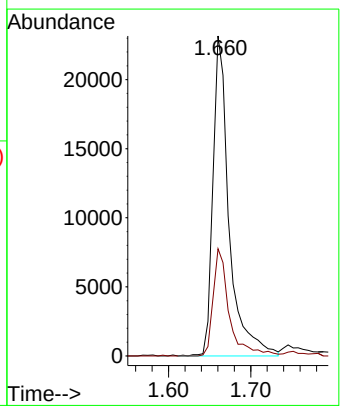


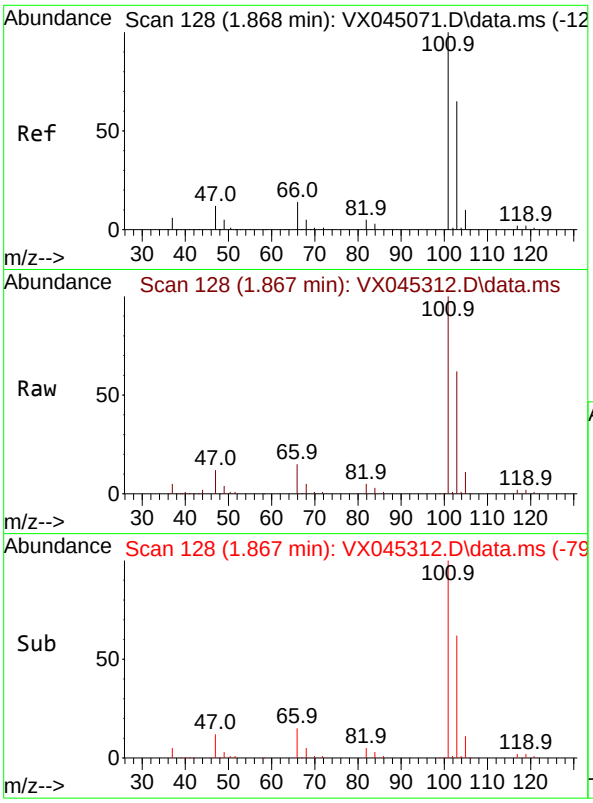


#6
Chloroethane
Concen: 44.930 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 64 Resp: 31612

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.7	40.1



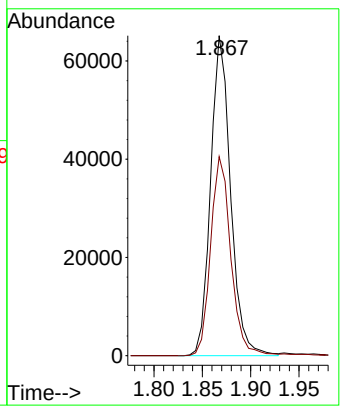


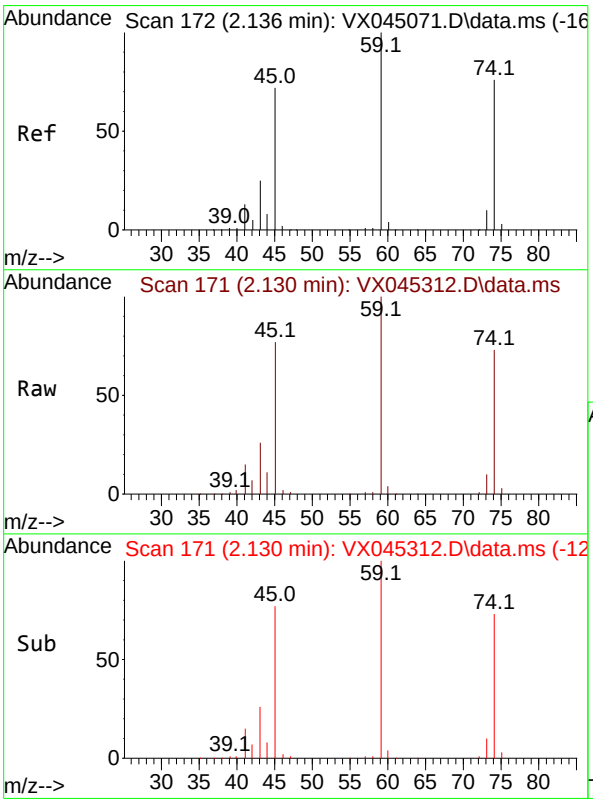
#7
Trichlorofluoromethane
Concen: 46.268 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 93429

Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.1	78.1

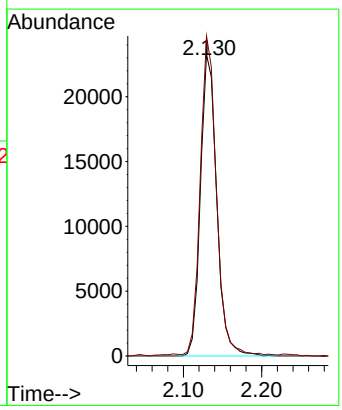


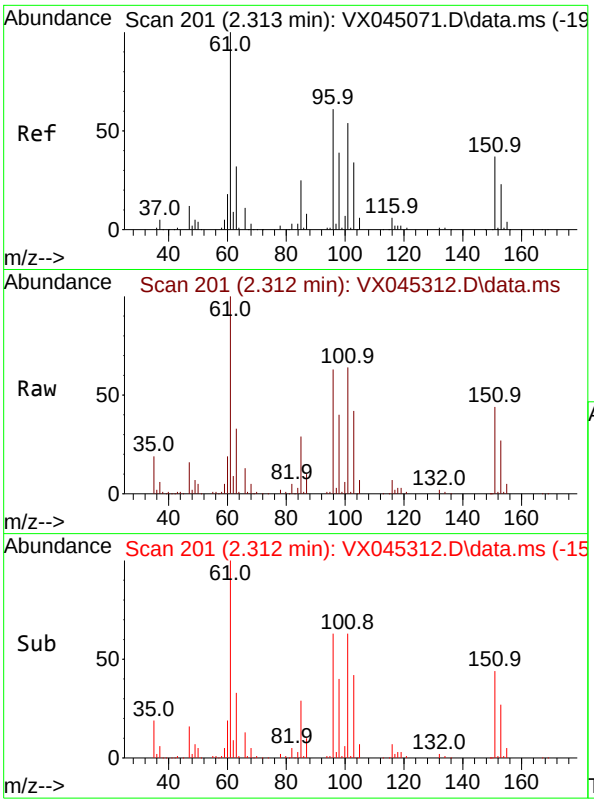


#8
Diethyl Ether
Concen: 42.490 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 74 Resp: 33560

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5



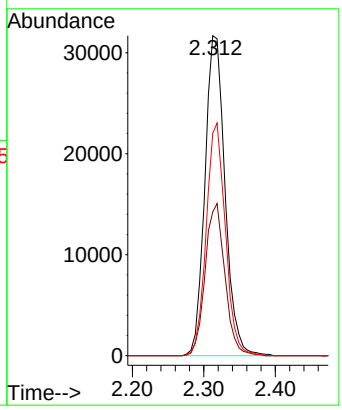


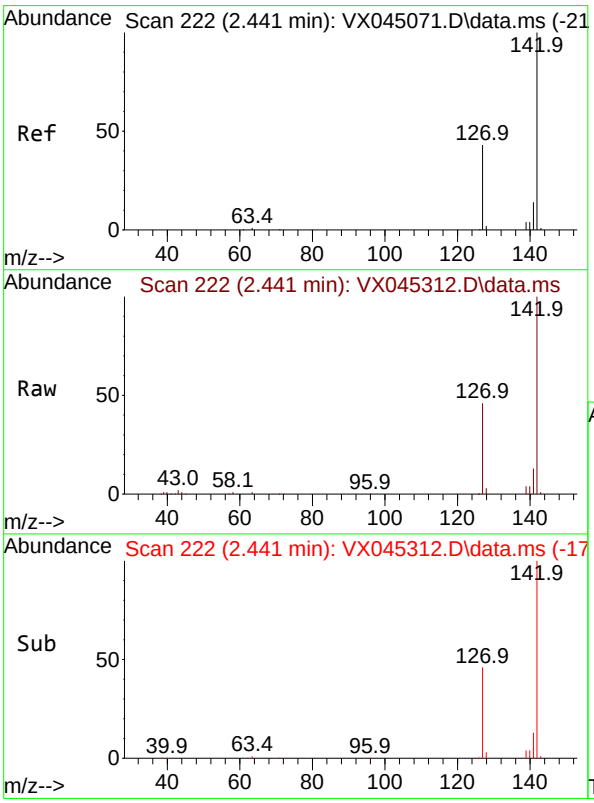
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.469 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 62031

Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	69.2	56.4	84.6

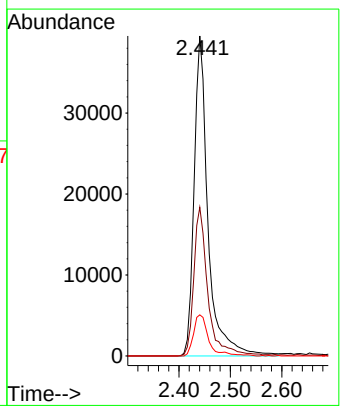


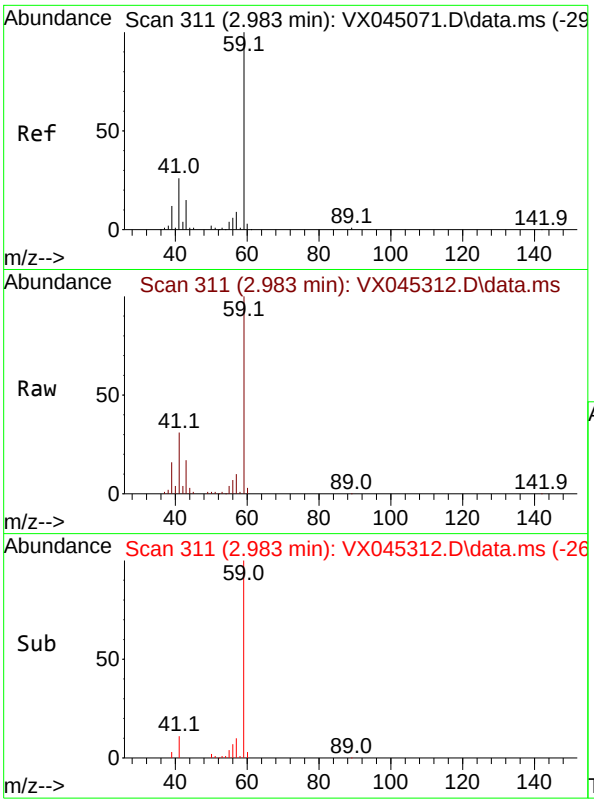


#10
Methyl Iodide
Concen: 51.423 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:142 Resp: 74553

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.4	53.2
141	13.9	11.6	17.4



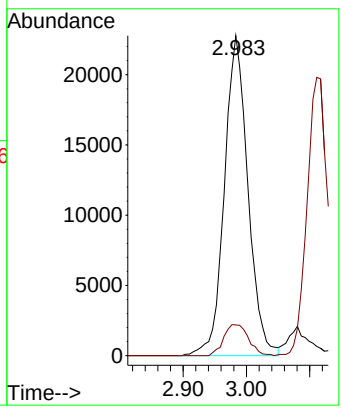


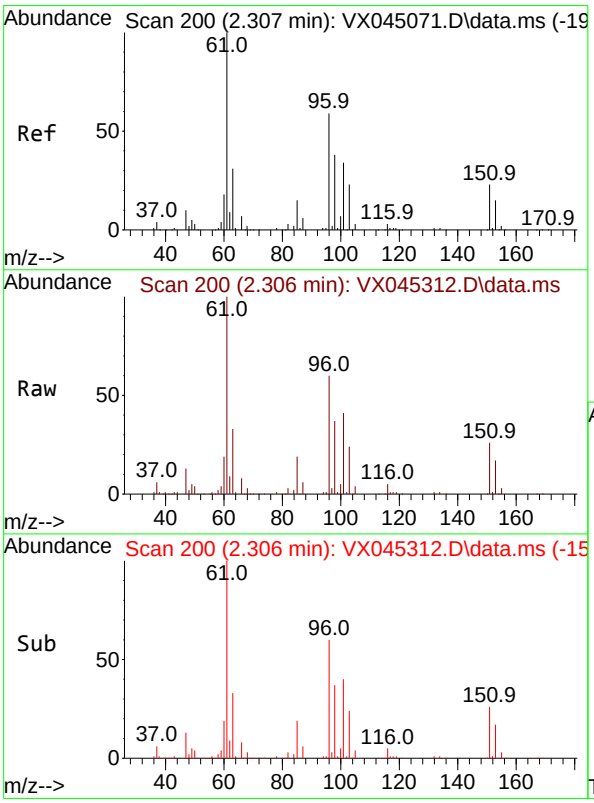
#11
Tert butyl alcohol
Concen: 195.913 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 58920

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

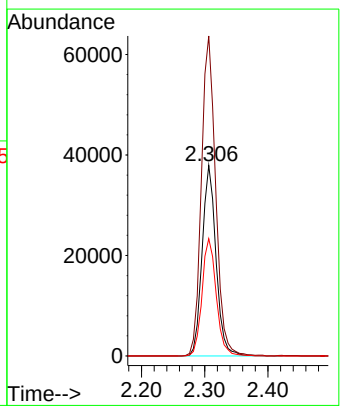


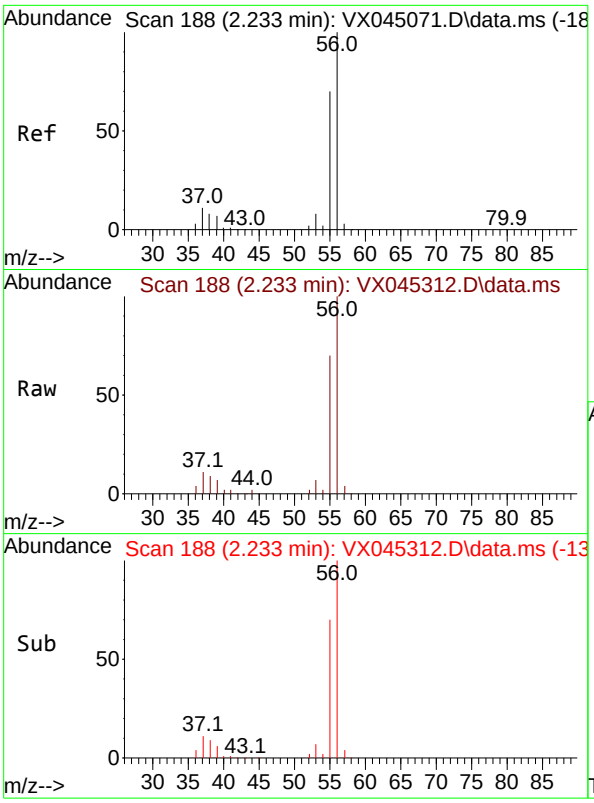


#12
1,1-Dichloroethene
Concen: 47.367 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 96 Resp: 58098

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	61.6	51.0	76.6



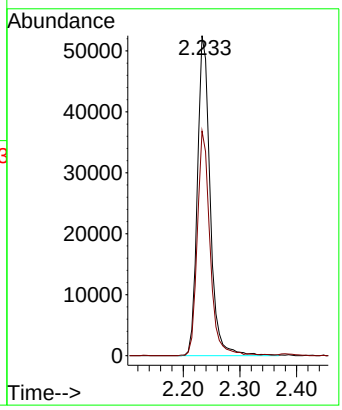


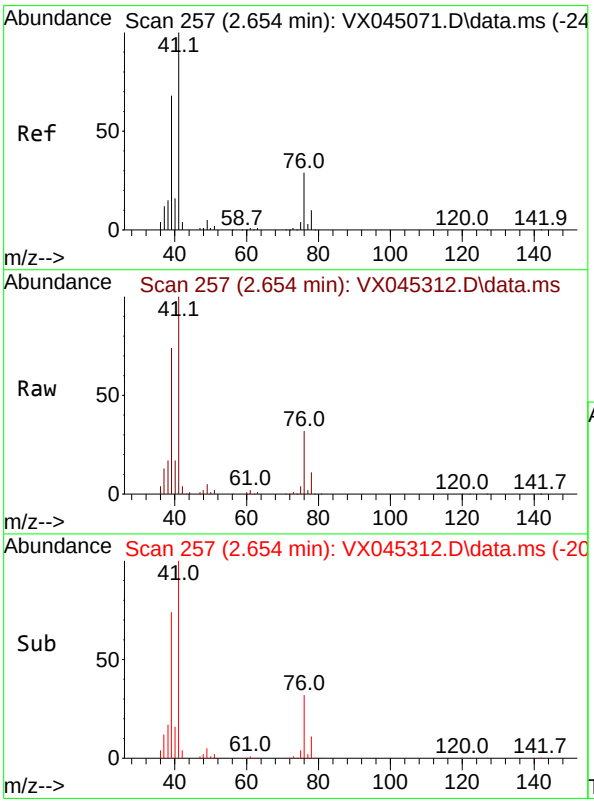
#13
Acrolein
Concen: 235.324 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 81811

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4

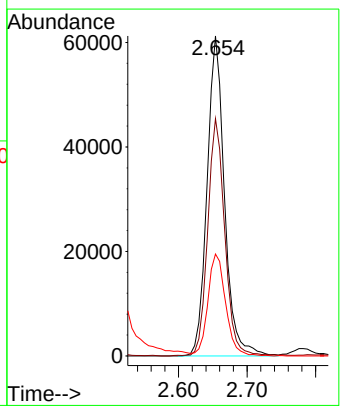


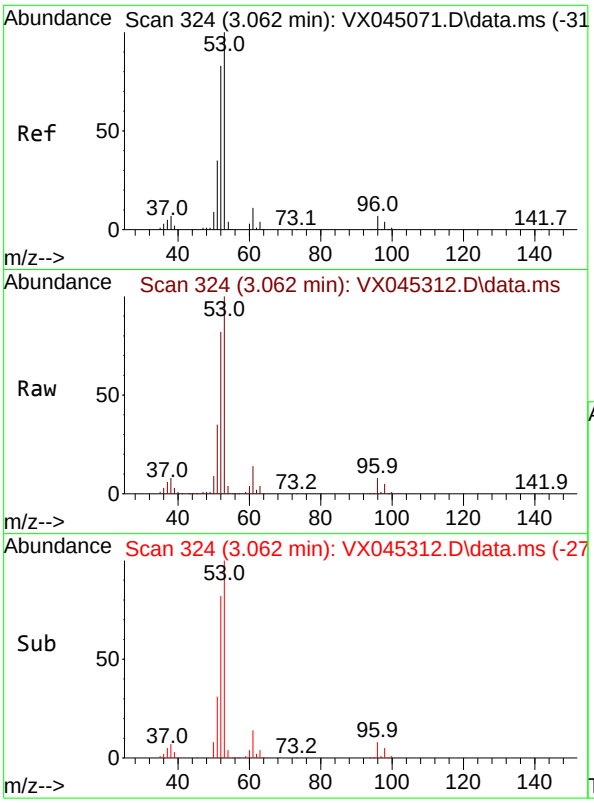


#14
Allyl chloride
Concen: 49.848 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 41 Resp: 108834

Ion	Ratio	Lower	Upper
41	100		
39	72.6	53.8	80.8
76	32.4	25.2	37.8



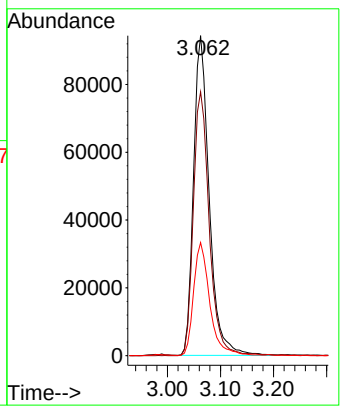


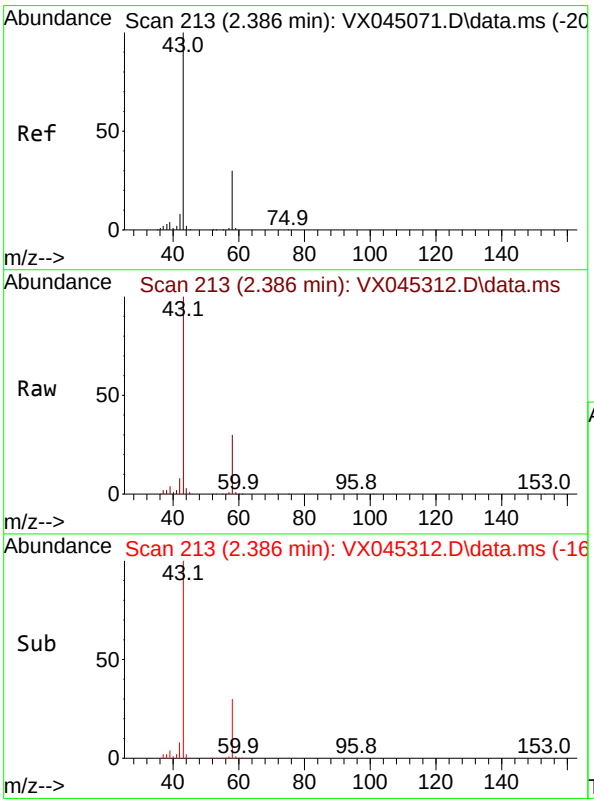
#15
Acrylonitrile
Concen: 240.329 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 193713

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.1	29.0	43.4

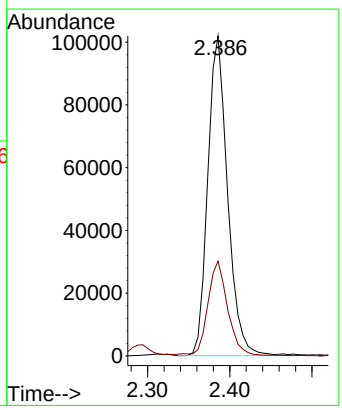


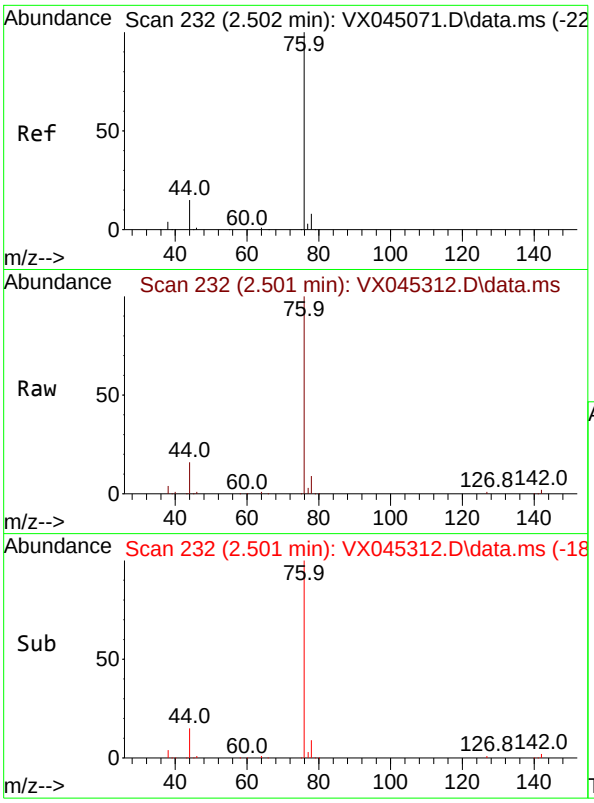


#16
Acetone
Concen: 230.853 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 170062

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.2	36.4



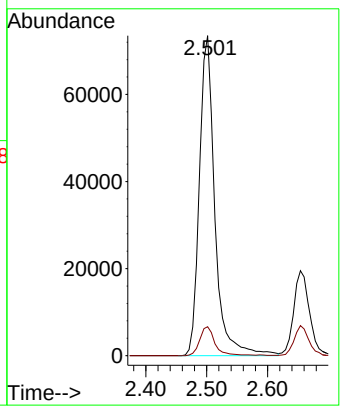


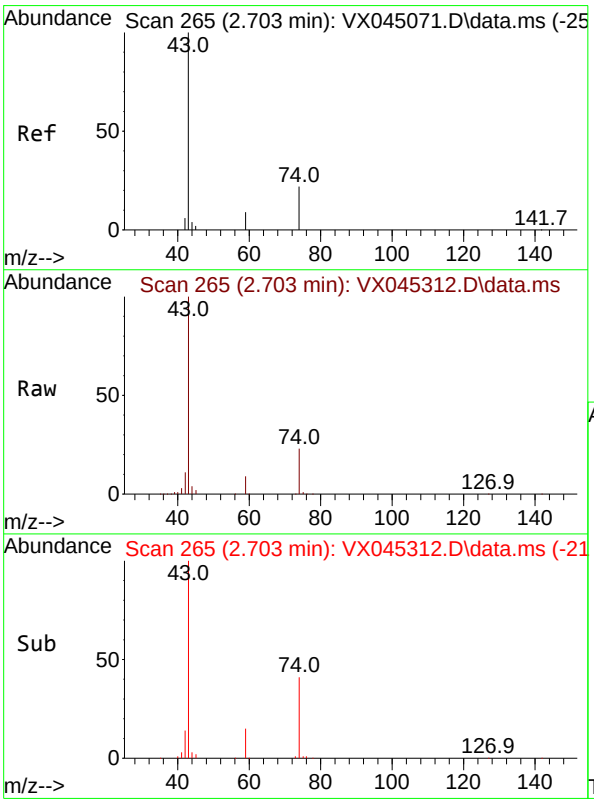
#17
Carbon Disulfide
Concen: 39.839 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 130150

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

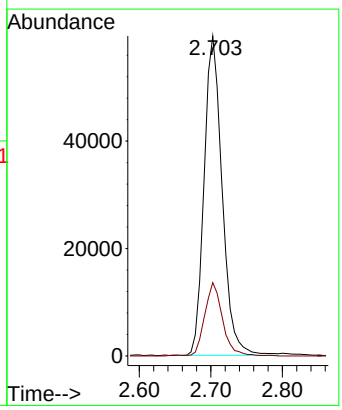


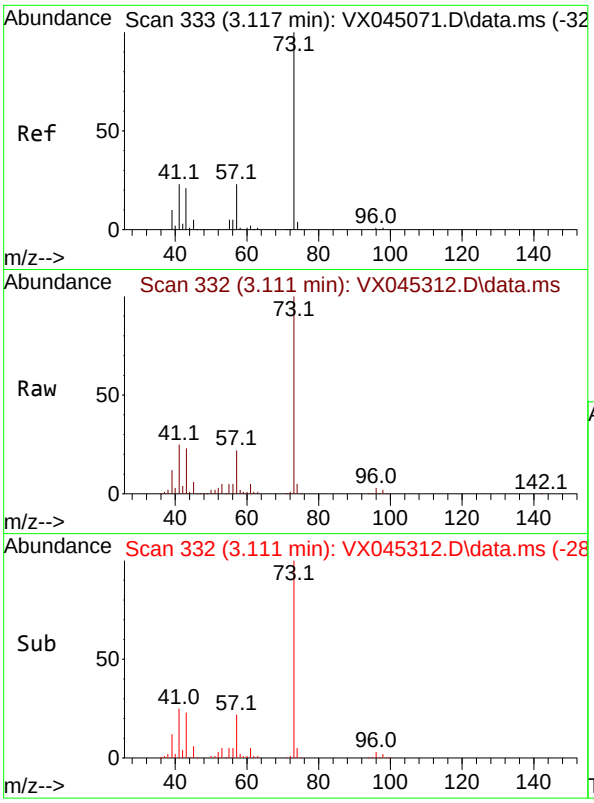


#18
Methyl Acetate
Concen: 58.988 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 104537

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



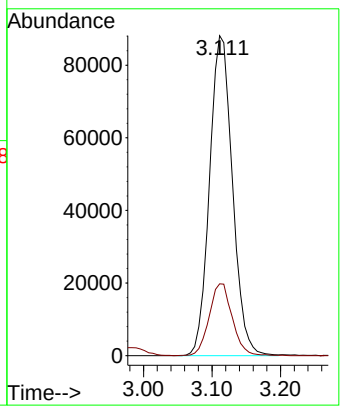


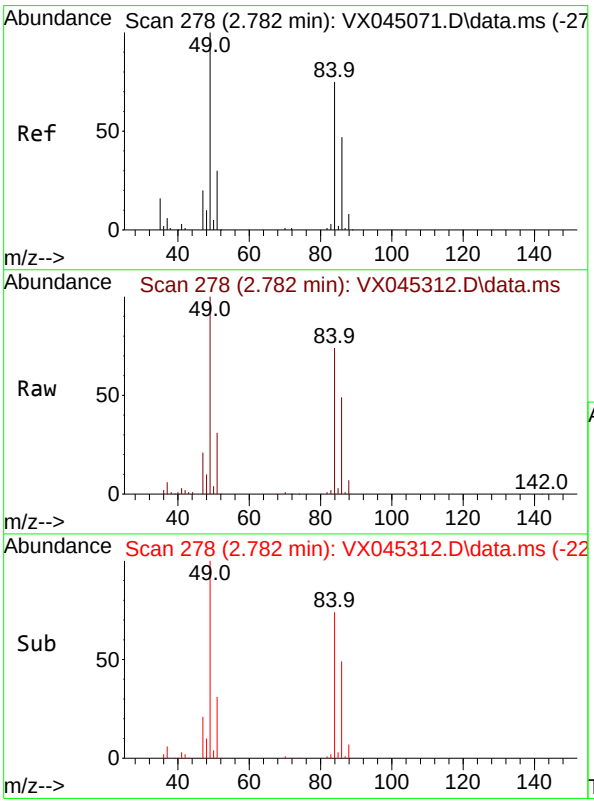
#19
Methyl tert-butyl Ether
Concen: 49.687 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 204467

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

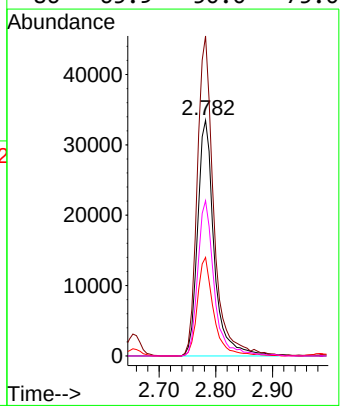


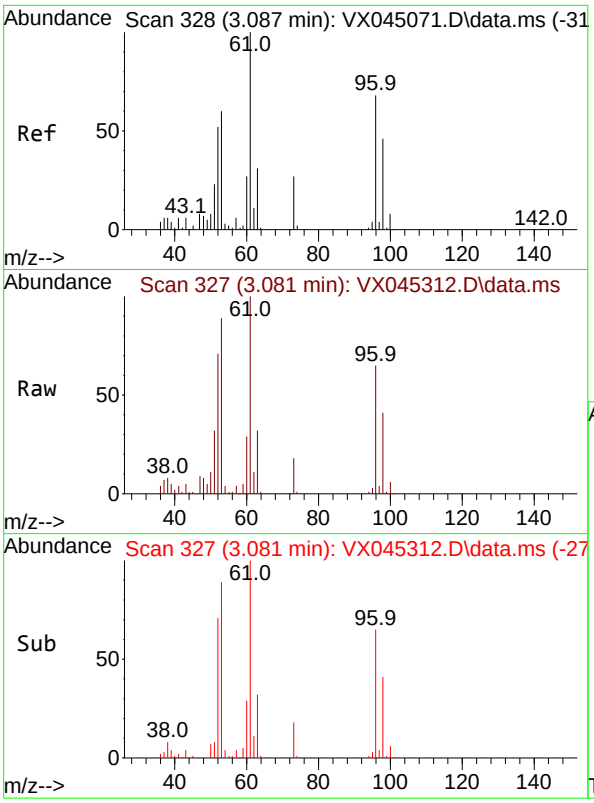


#20
Methylene Chloride
Concen: 46.459 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 84 Resp: 67795

Ion	Ratio	Lower	Upper
84	100		
49	135.8	106.5	159.7
51	41.8	32.1	48.1
86	65.9	50.0	75.0



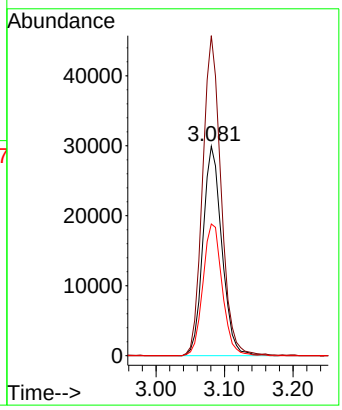


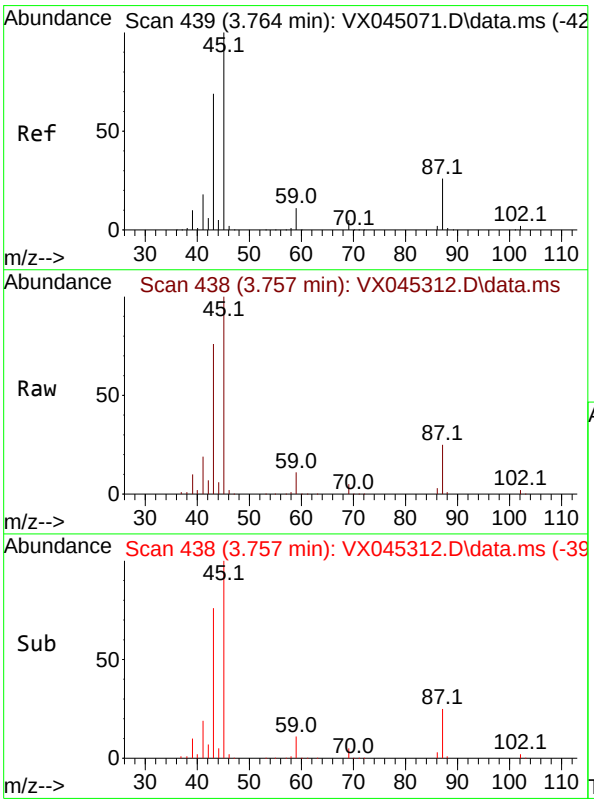
#21
trans-1,2-Dichloroethene
Concen: 47.420 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 57461

Ion	Ratio	Lower	Upper
96	100		
61	152.8	117.0	175.4
98	62.9	53.4	80.2

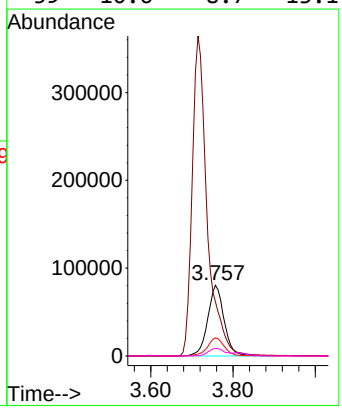


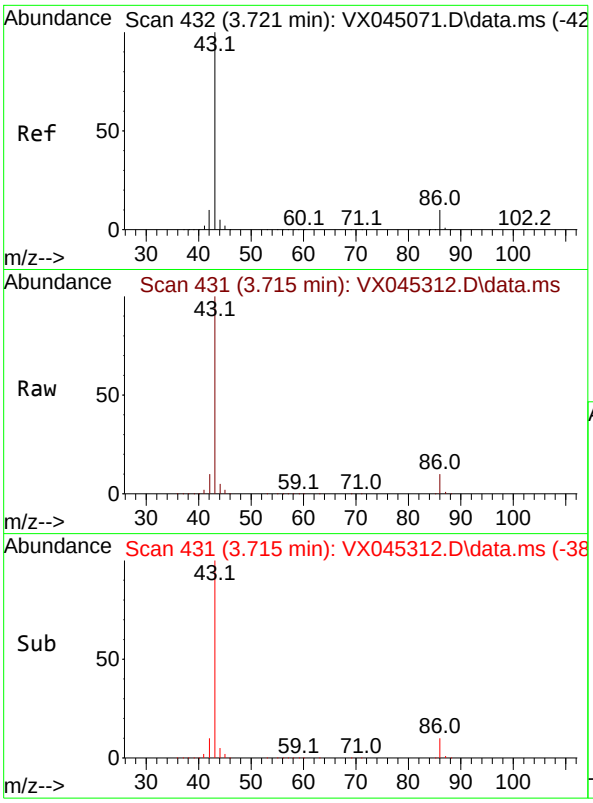


#22
Diisopropyl ether
Concen: 50.102 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 45 Resp: 222471

Ion	Ratio	Lower	Upper
45	100		
43	76.2	54.9	82.3
87	25.5	21.0	31.4
59	10.6	8.7	13.1



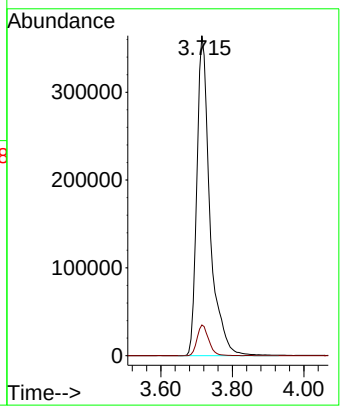


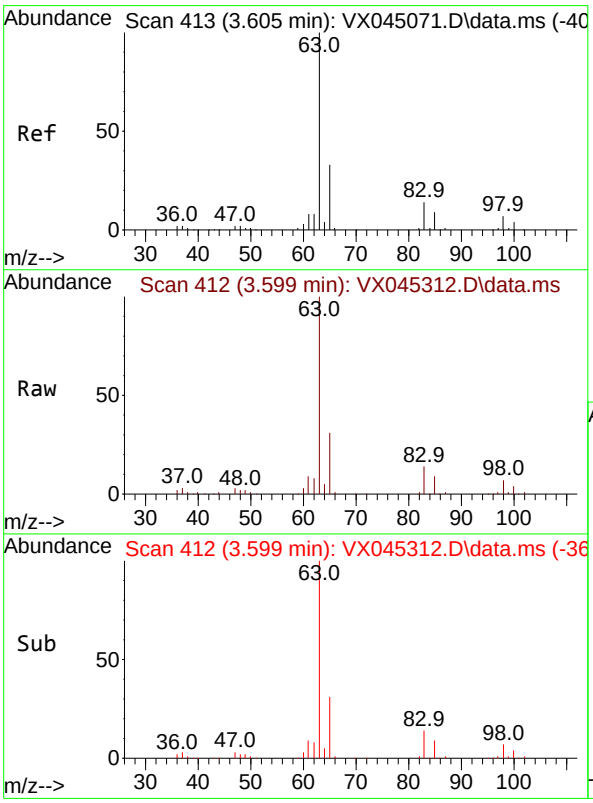
#23
Vinyl Acetate
Concen: 249.784 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 925572

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.1	12.1

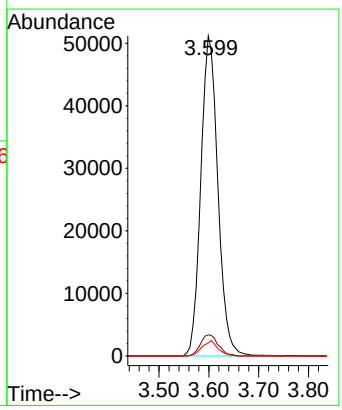


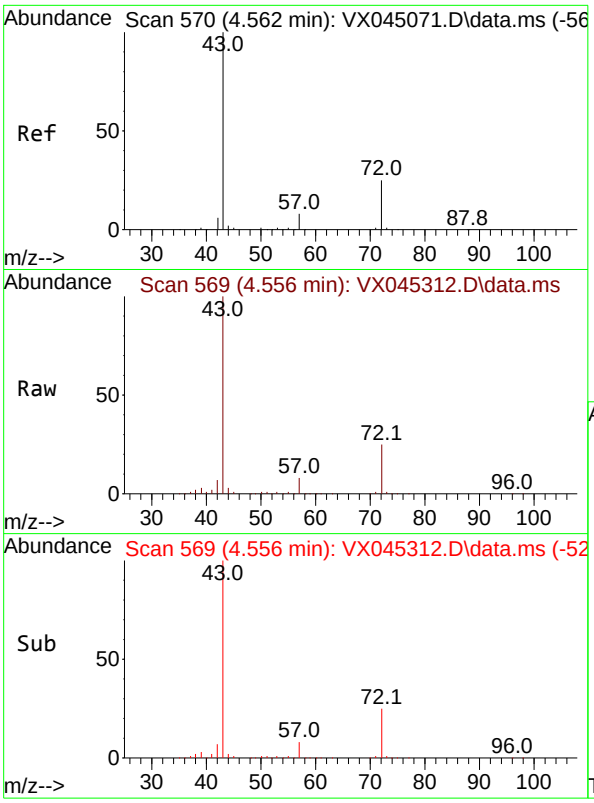


#24
1,1-Dichloroethane
Concen: 48.853 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 63 Resp: 121571

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.0	2.1	6.5



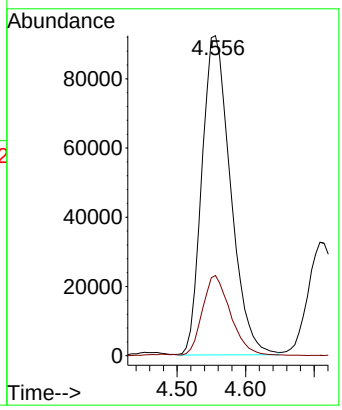


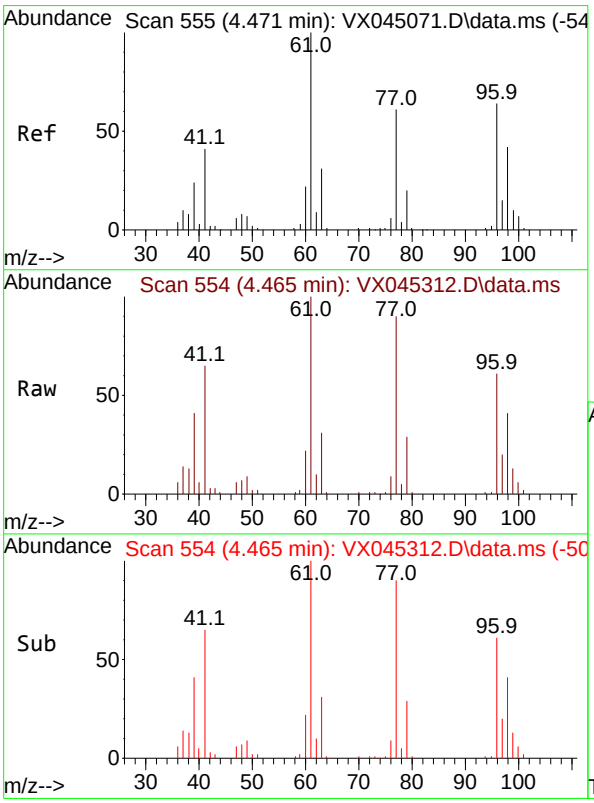
#25
2-Butanone
Concen: 241.687 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 267999

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.0	30.0

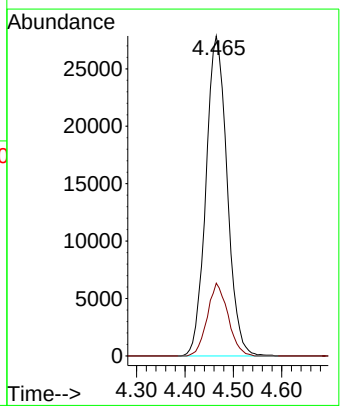


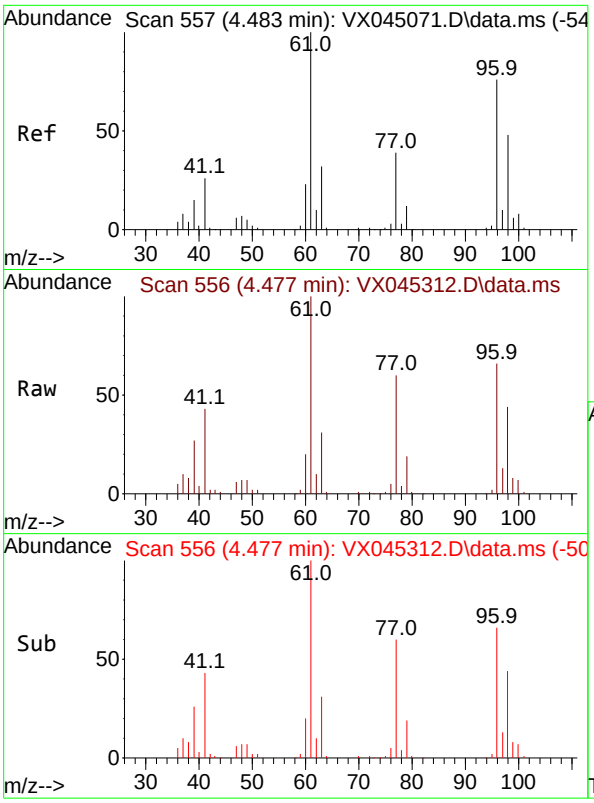


#26
2,2-Dichloropropane
Concen: 72.611 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 77 Resp: 84755

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



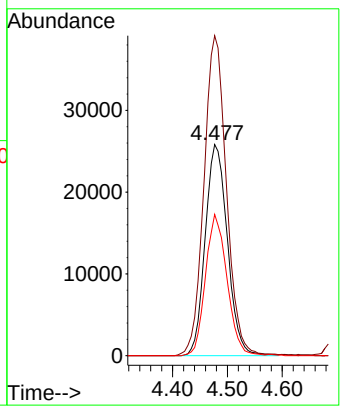


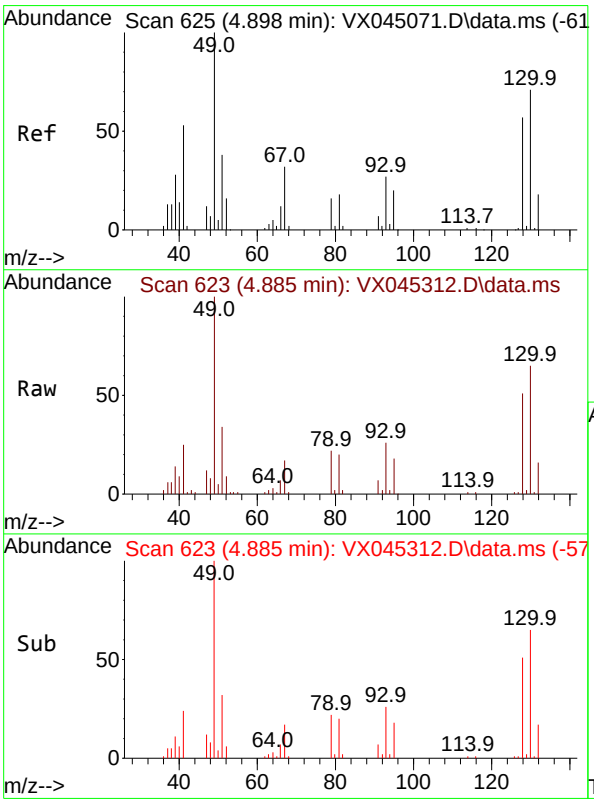
#27
cis-1,2-Dichloroethene
Concen: 48.625 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 72736

Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	64.8	0.0	128.0

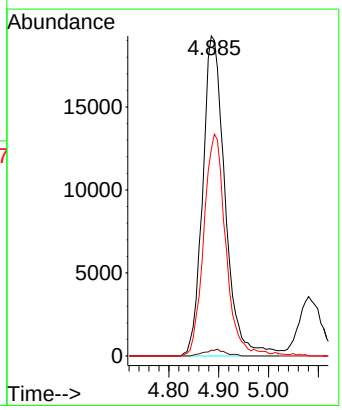


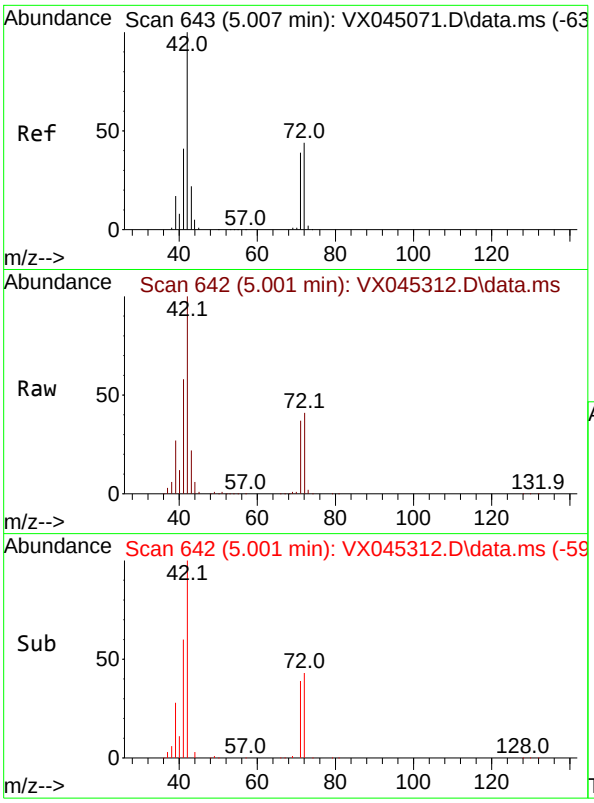


#28
Bromochloromethane
Concen: 50.547 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 49 Resp: 59956

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1



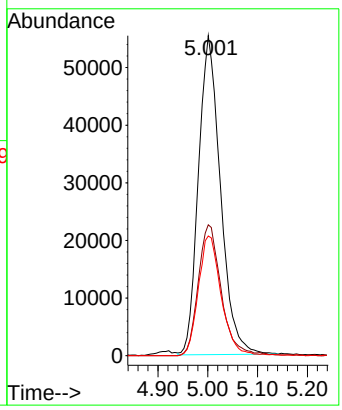


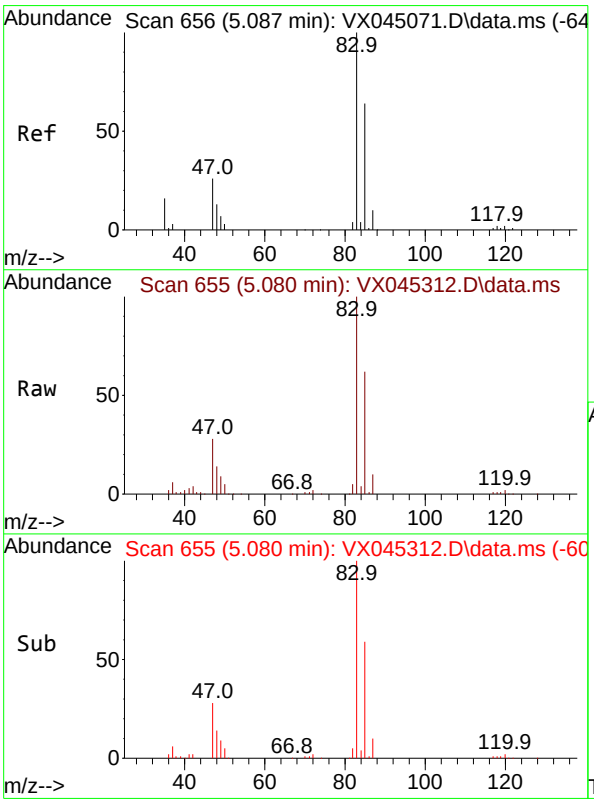
#29
Tetrahydrofuran
Concen: 227.936 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 169735

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	38.9	31.4	47.0

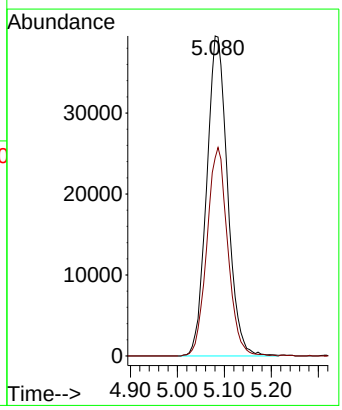


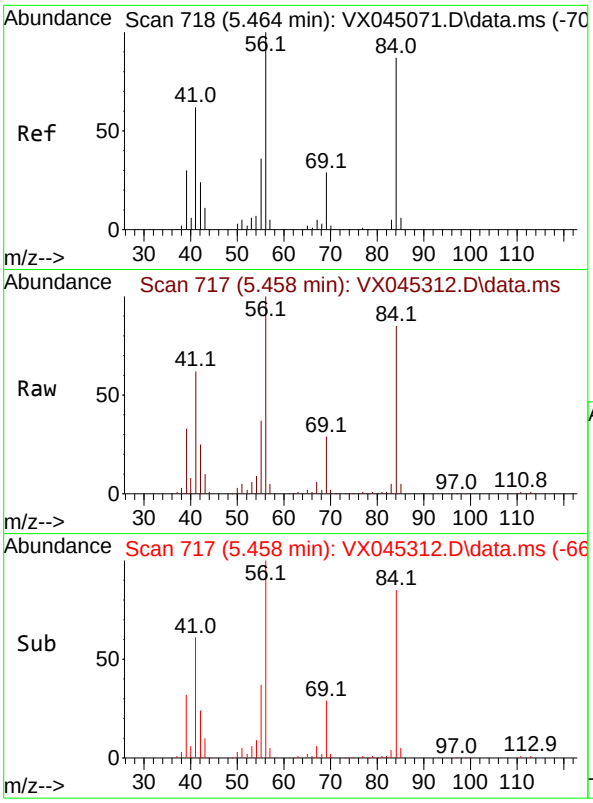


#30
Chloroform
Concen: 49.301 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 83 Resp: 121902

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2



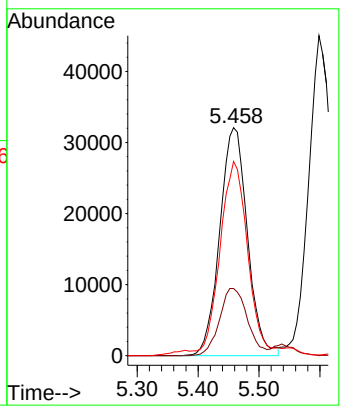


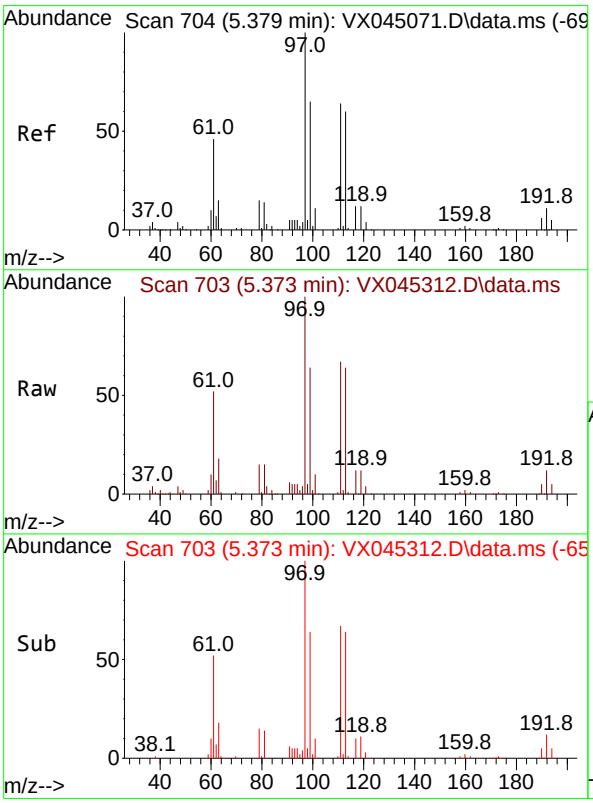
#31
Cyclohexane
Concen: 46.918 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 101352

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.2
84	83.5	69.4	104.2

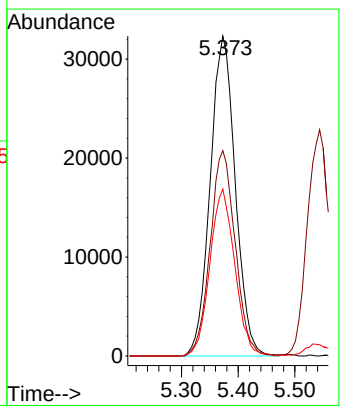


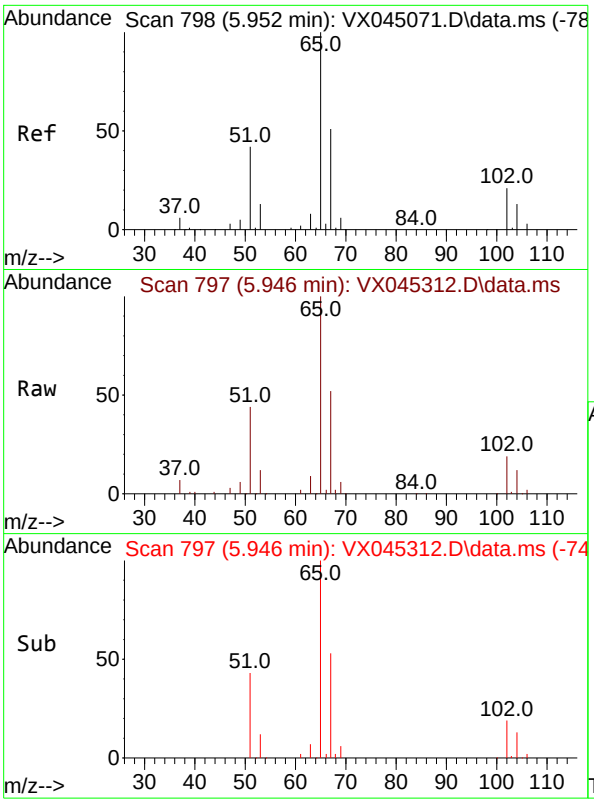


#32
1,1,1-Trichloroethane
Concen: 49.788 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 97 Resp: 99429

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	51.7	38.4	57.6



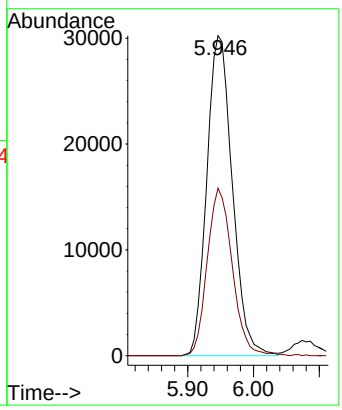


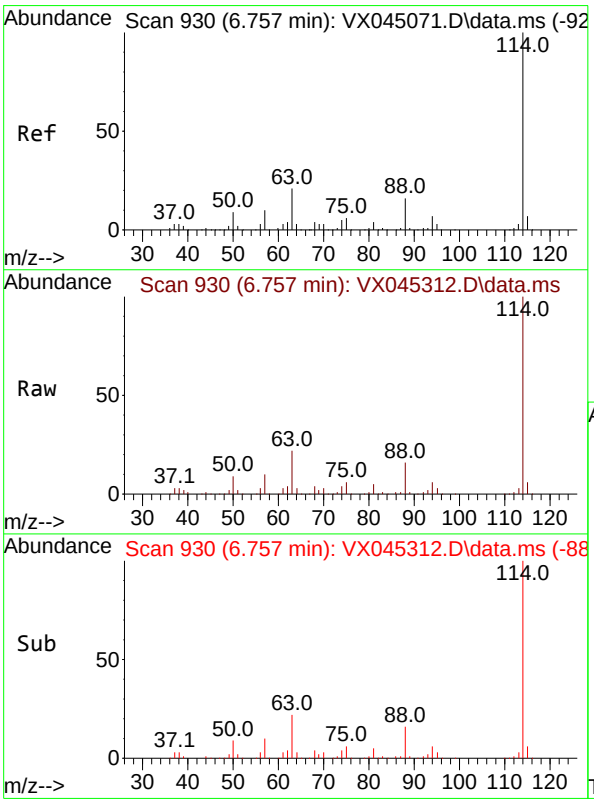
#33
1,2-Dichloroethane-d4
Concen: 51.509 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 81784

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

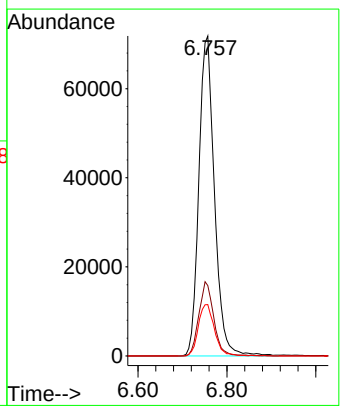


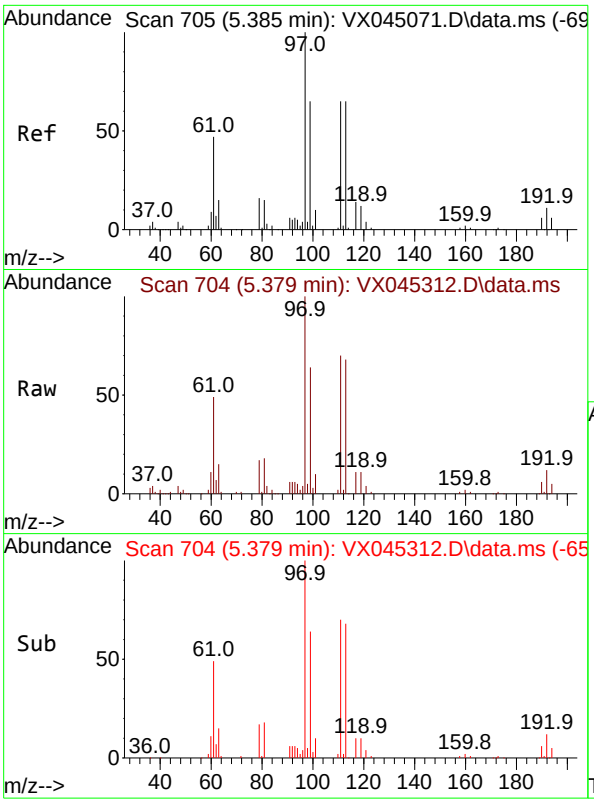


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:114 Resp: 175808

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	16.1	0.0	32.8



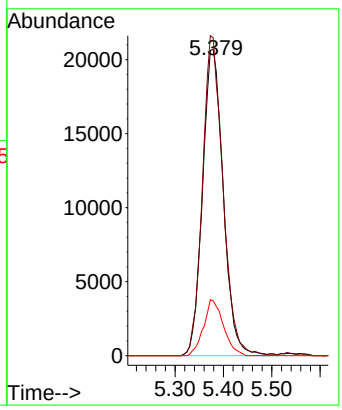


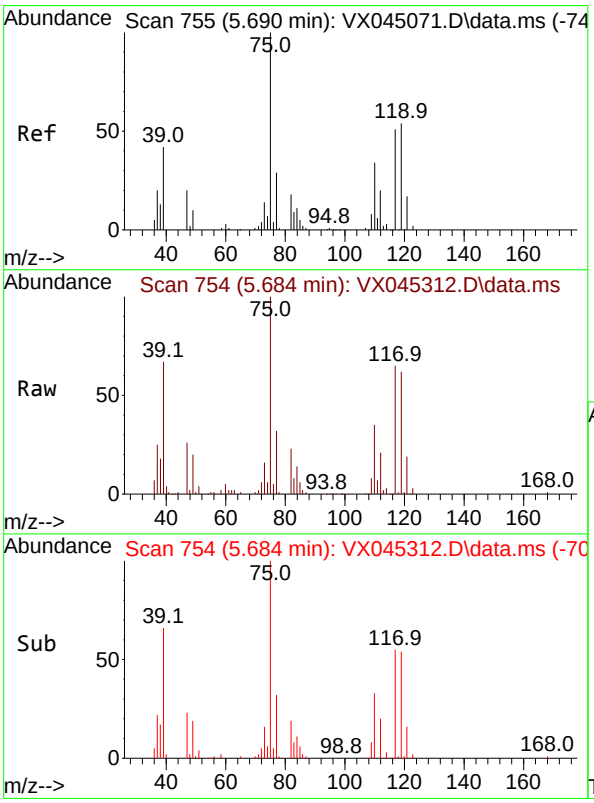
#35
Dibromofluoromethane
Concen: 52.456 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 61666

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.5	14.3	21.5

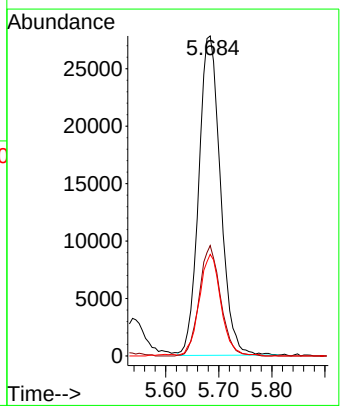


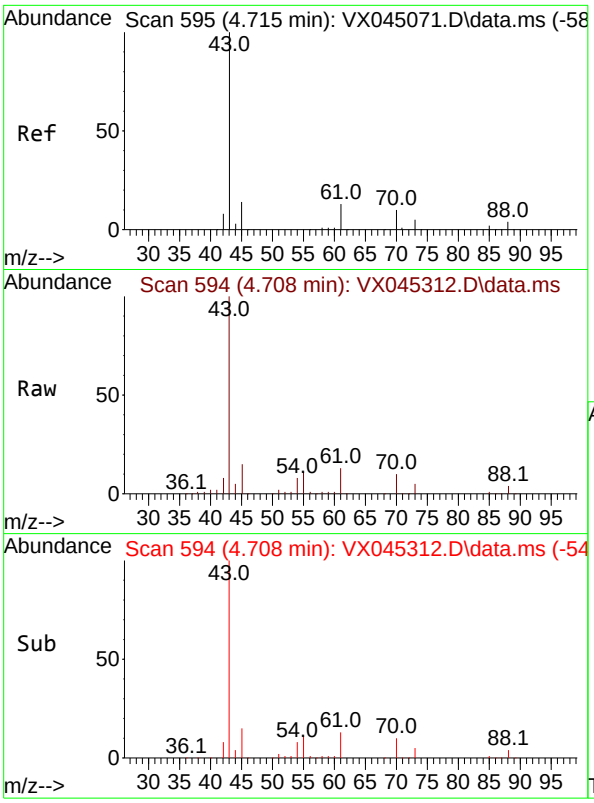


#36
1,1-Dichloropropene
Concen: 49.023 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 79034

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.8	24.5	36.7



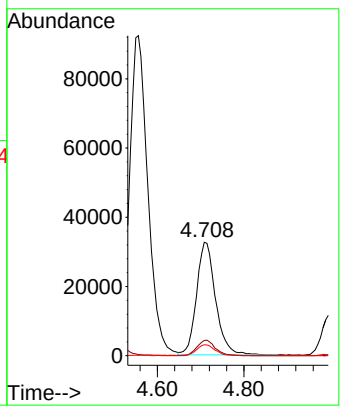


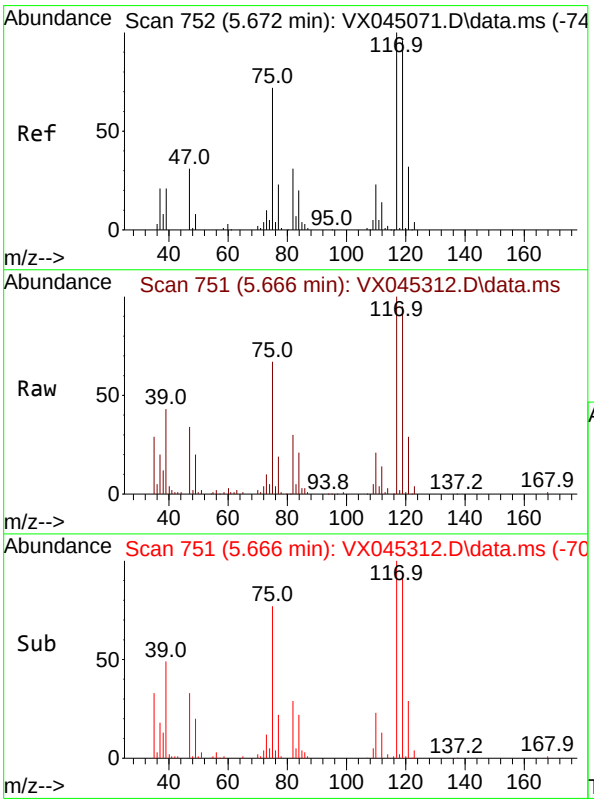
#37
Ethyl Acetate
Concen: 47.814 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 99330

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.4	7.7	11.5

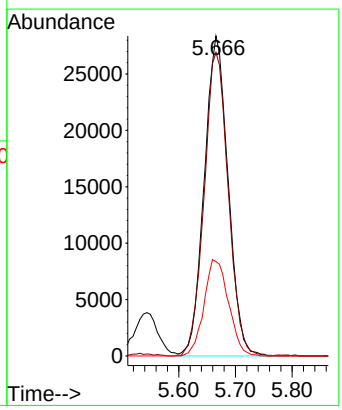


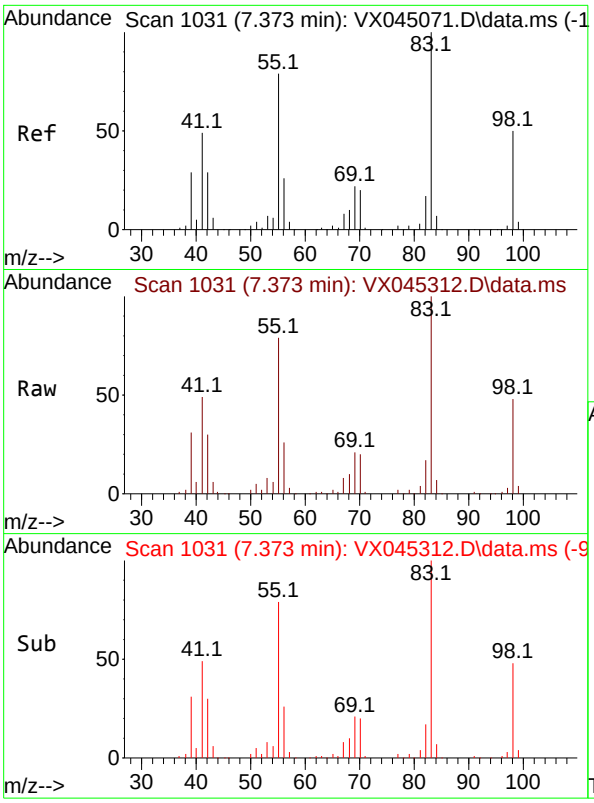


#38
Carbon Tetrachloride
Concen: 50.618 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:117 Resp: 82850

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.7	115.1
121	29.5	25.5	38.3



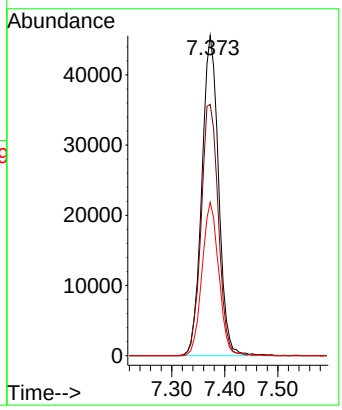


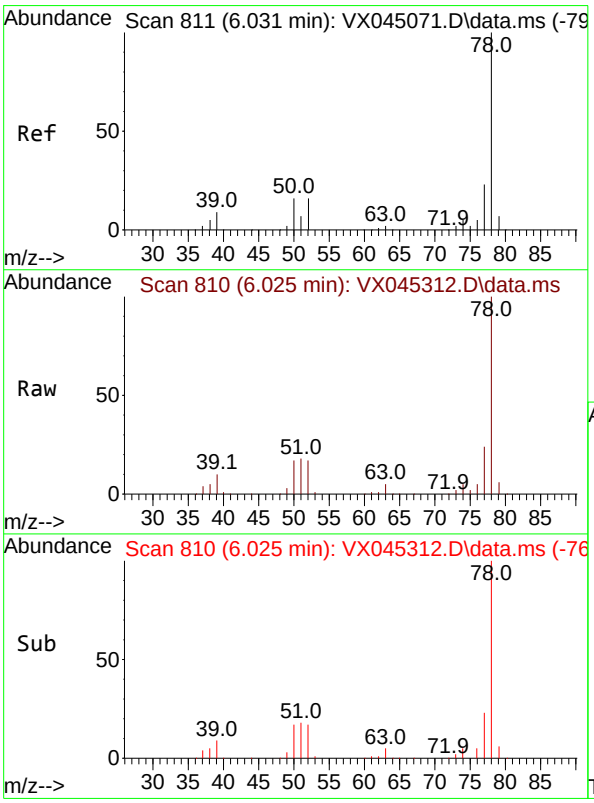
#39
Methylcyclohexane
Concen: 51.720 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 99912

Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.0	94.4
98	47.9	39.7	59.5

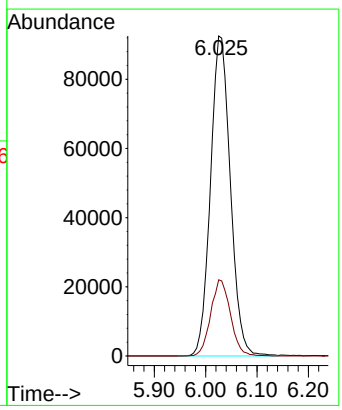


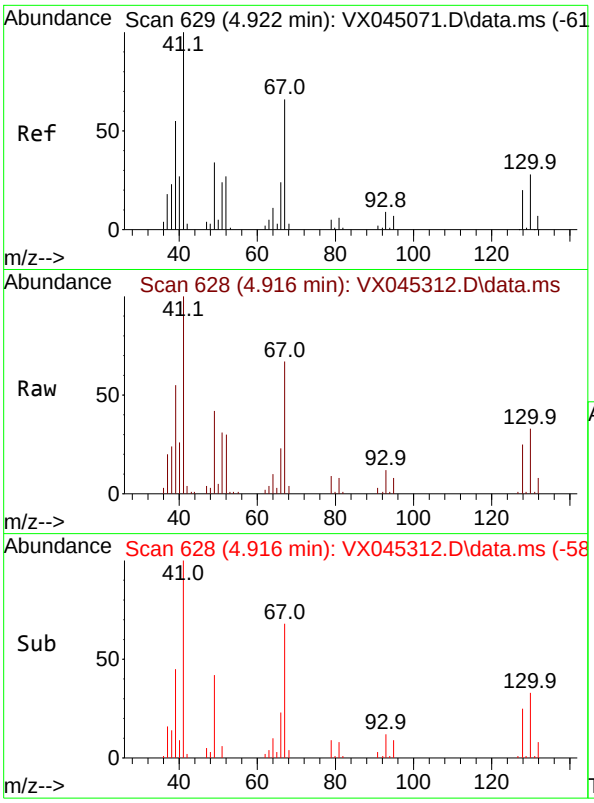


#40
Benzene
Concen: 48.805 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 78 Resp: 248464

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



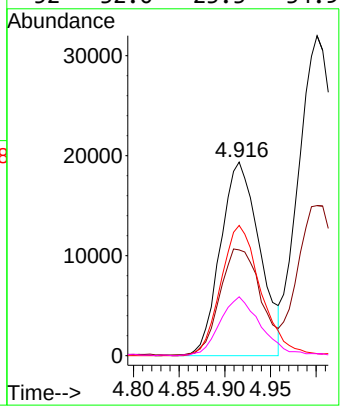


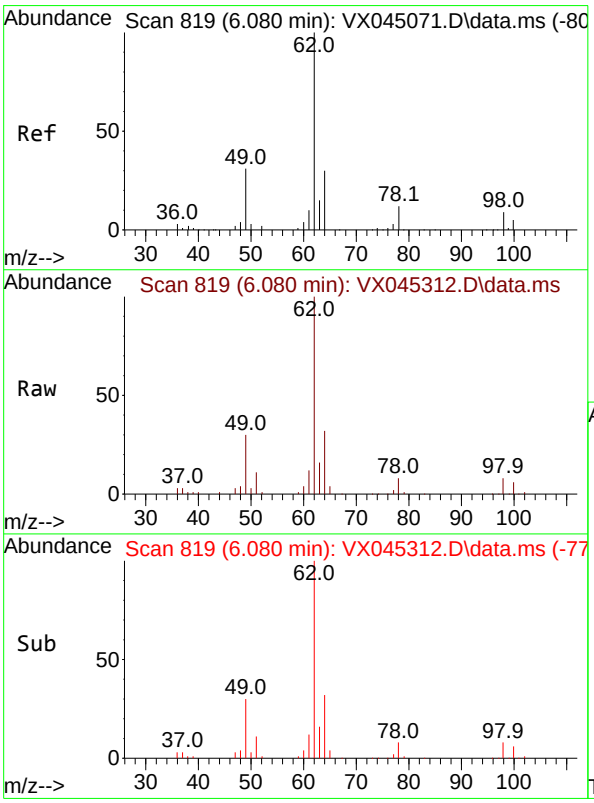
#41
Methacrylonitrile
Concen: 51.464 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 57809

Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.6	67.0
67	68.9	53.9	80.9
52	32.0	23.3	34.9

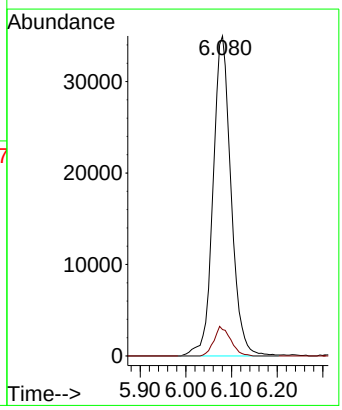


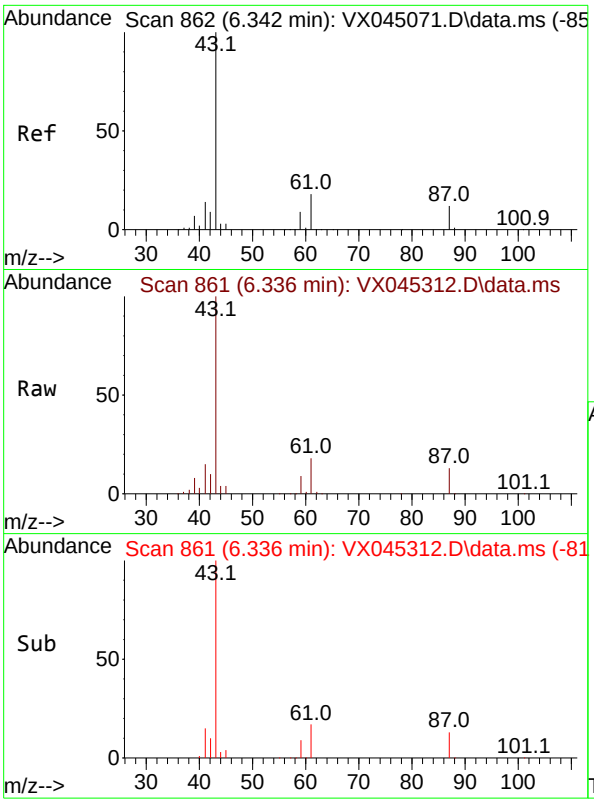


#42
1,2-Dichloroethane
Concen: 52.239 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 62 Resp: 95767

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



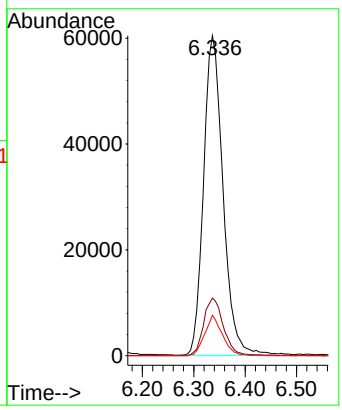


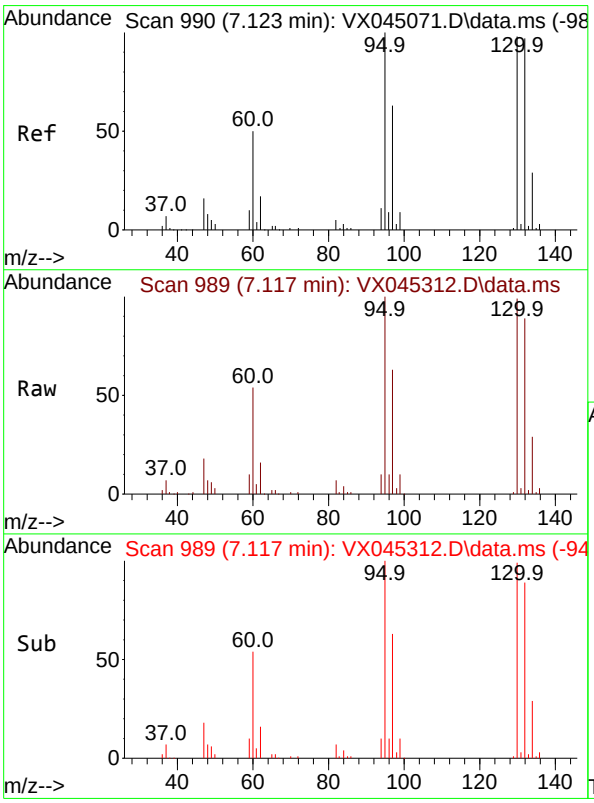
#43
Isopropyl Acetate
Concen: 51.656 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158682

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.5	9.4	14.2

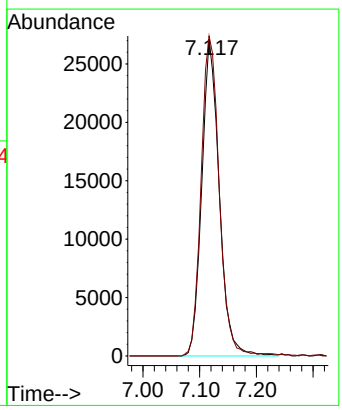


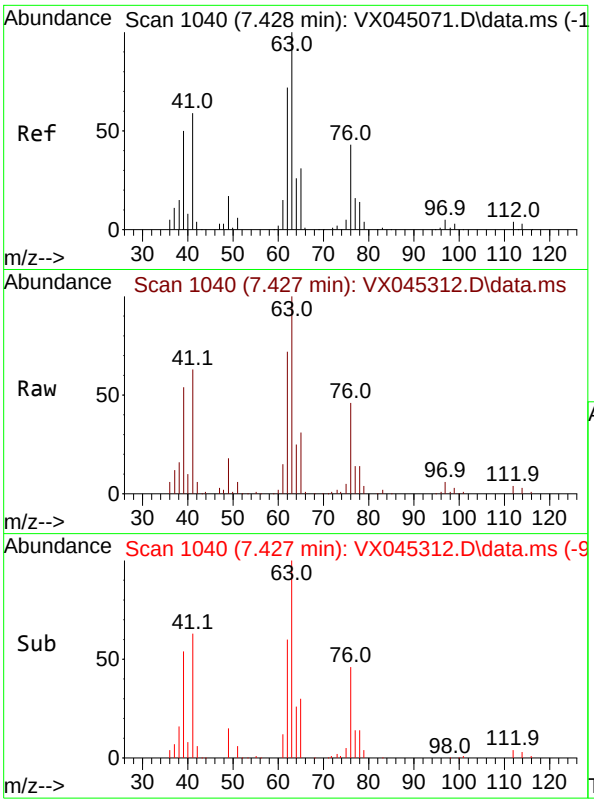


#44
Trichloroethene
Concen: 48.376 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:130 Resp: 57829

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.0



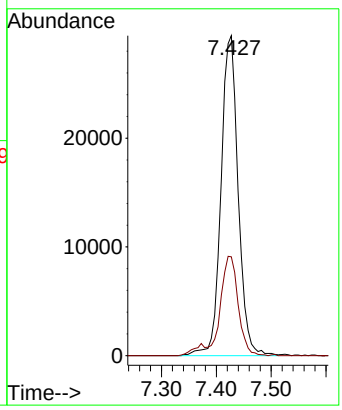


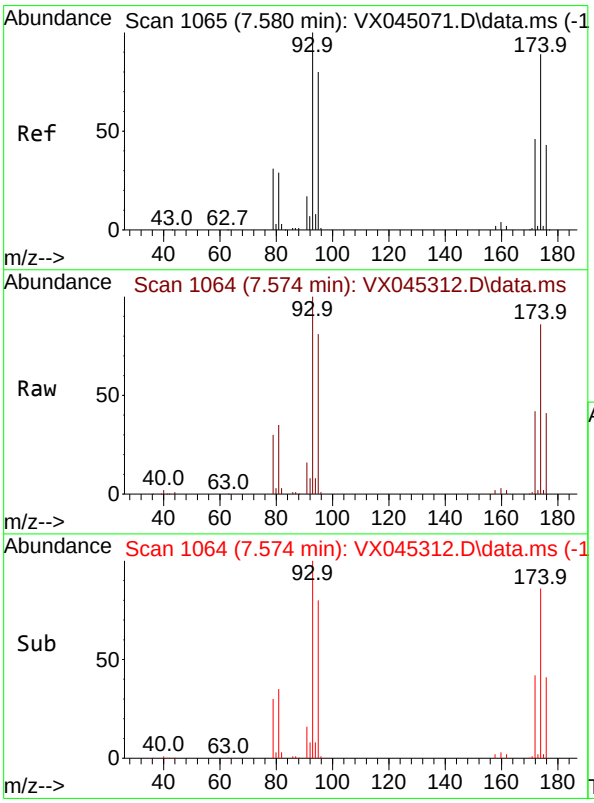
#45
1,2-Dichloropropane
Concen: 49.071 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 64231

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

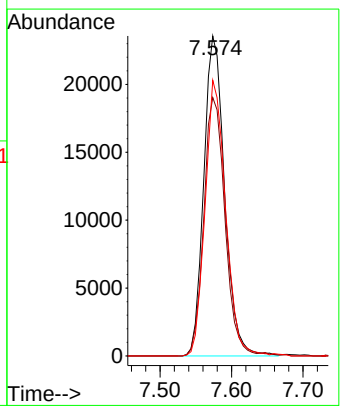


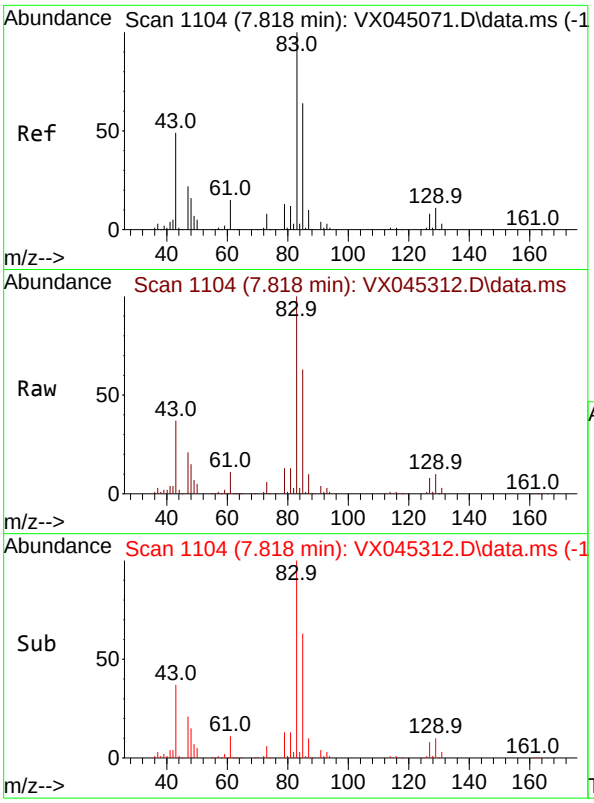


#46
Dibromomethane
Concen: 51.526 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 93 Resp: 47670

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	85.2	72.2	108.2



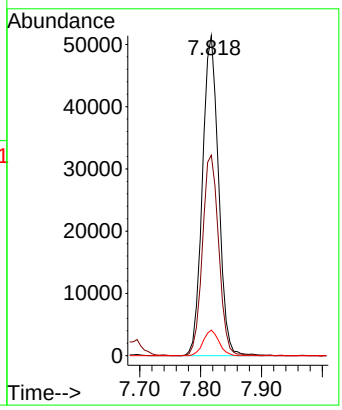


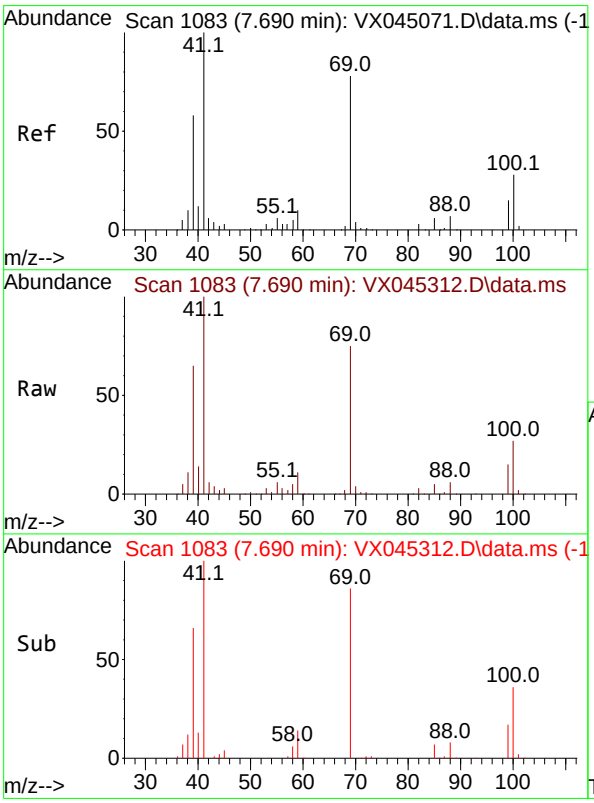
#47
Bromodichloromethane
Concen: 52.012 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94385

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.0	6.4	9.6

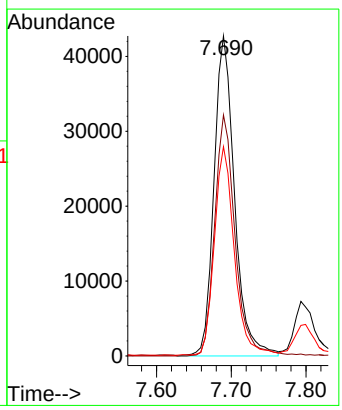


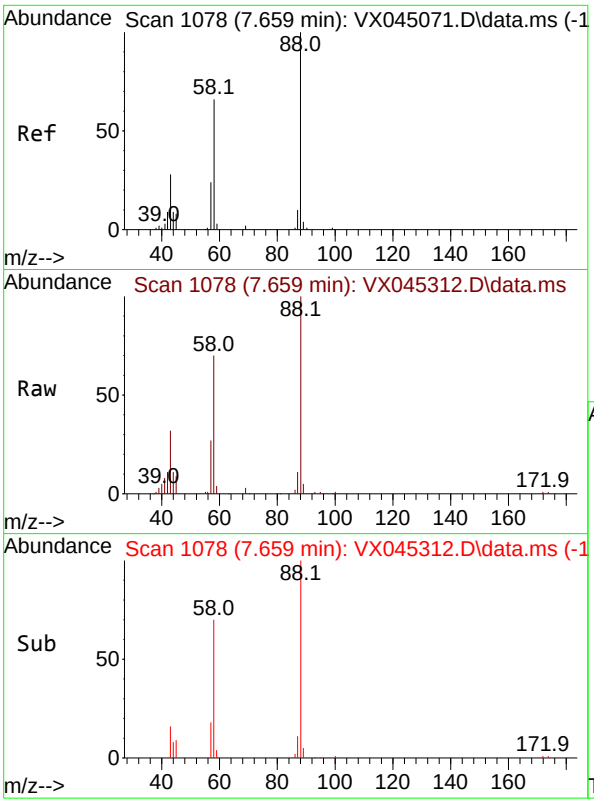


#48
Methyl methacrylate
Concen: 53.109 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 41 Resp: 81849

Ion	Ratio	Lower	Upper
41	100		
69	75.3	63.0	94.6
39	63.4	47.5	71.3



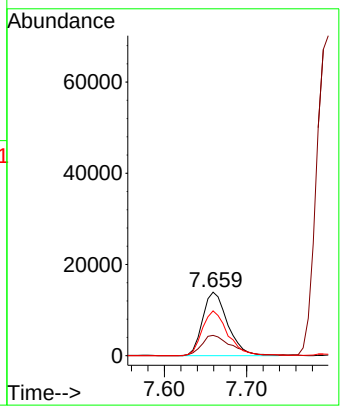


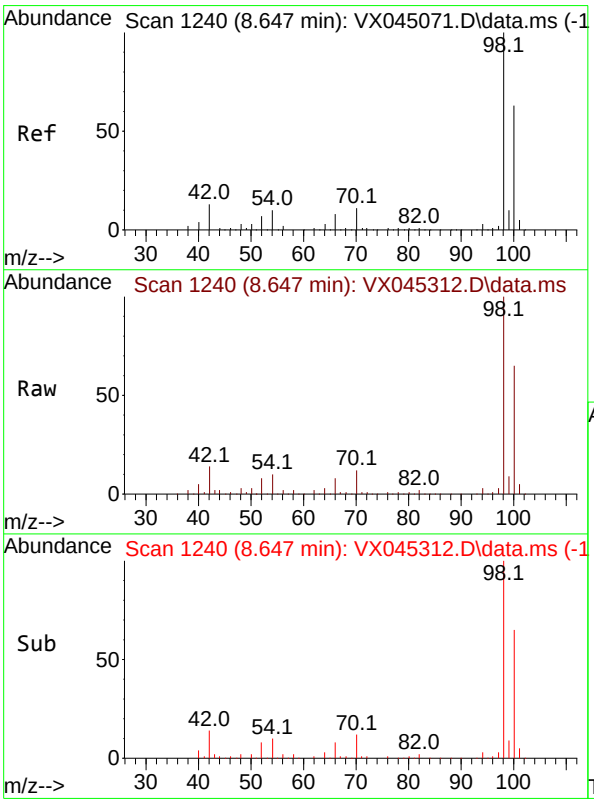
#49
1,4-Dioxane
Concen: 907.231 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29493

Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.7	43.1
58	72.7	55.8	83.8

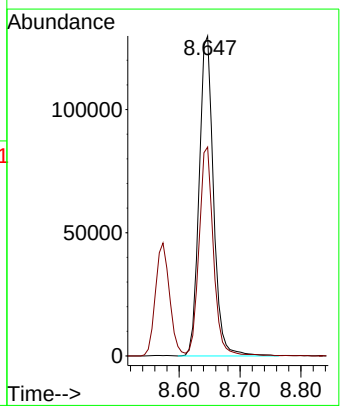


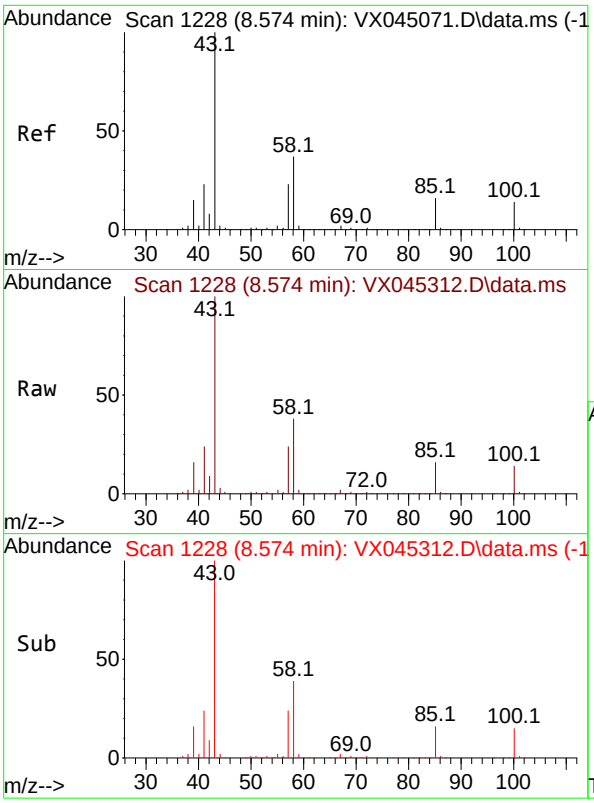


#50
Toluene-d8
Concen: 49.996 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 98 Resp: 213078

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



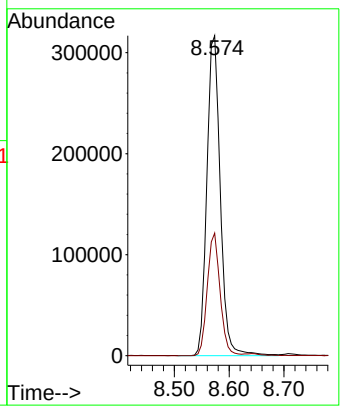


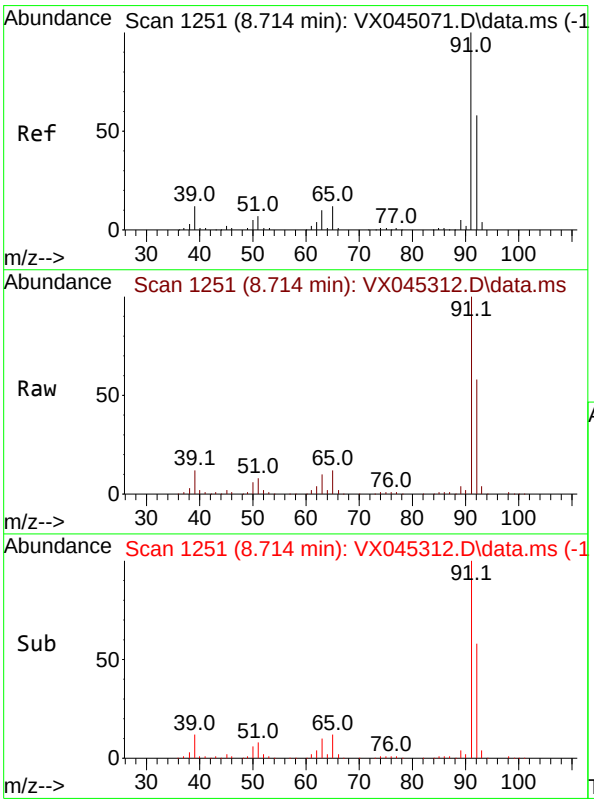
#51
4-Methyl-2-Pentanone
Concen: 259.644 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 535545

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

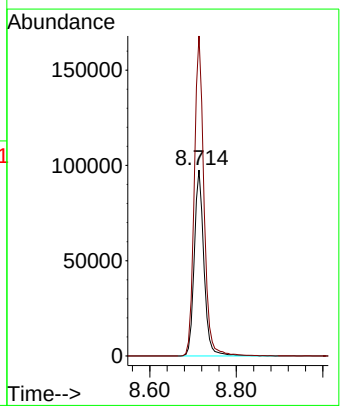


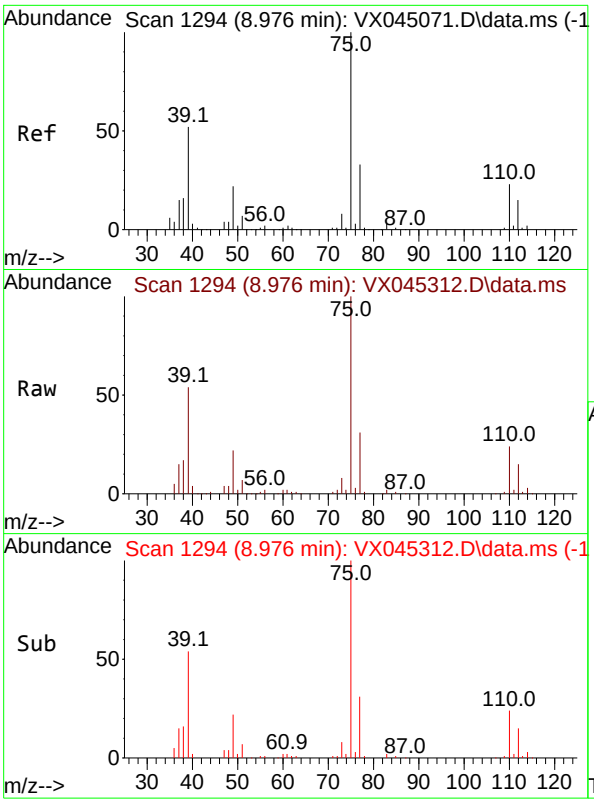


#52
Toluene
Concen: 50.515 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 92 Resp: 150886

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.9	208.3



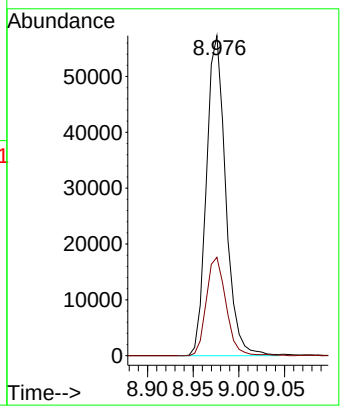


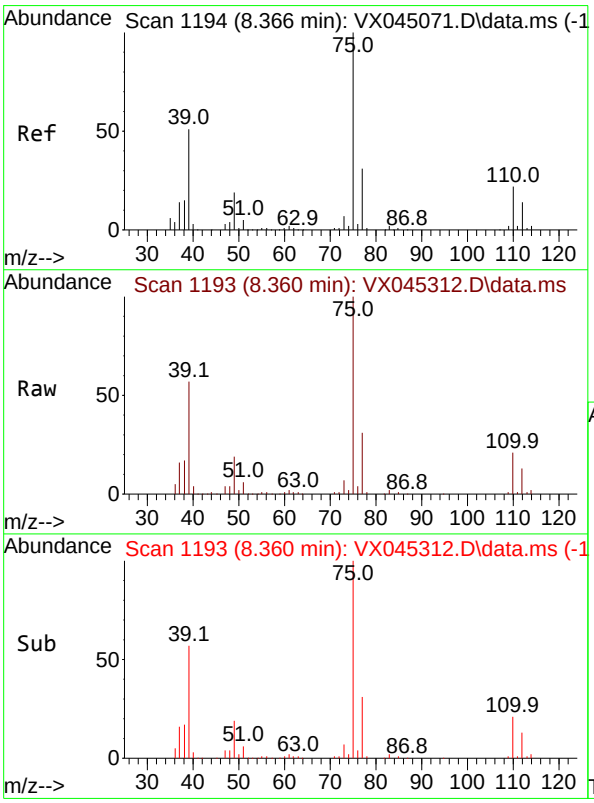
#53
t-1,3-Dichloropropene
Concen: 55.465 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 84146

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7

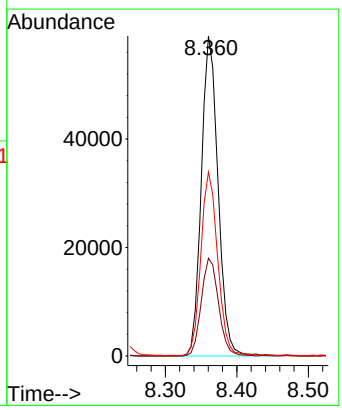


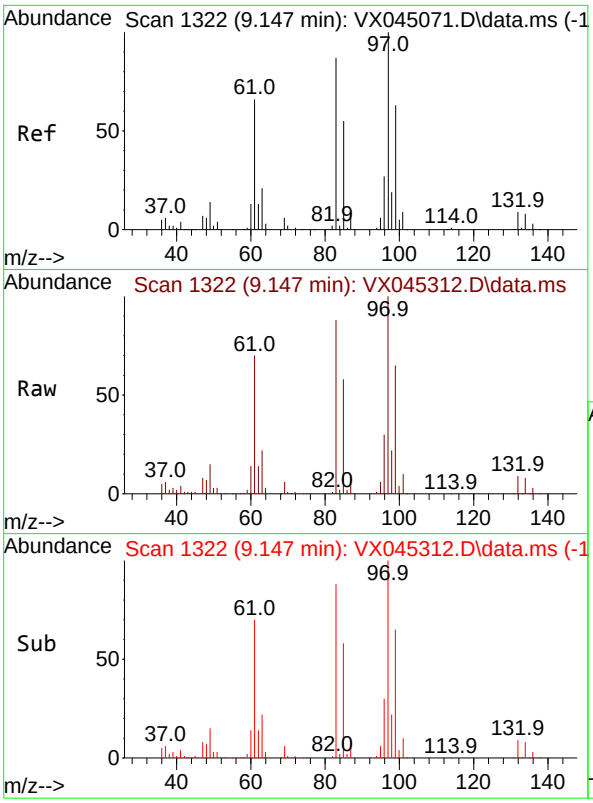


#54
cis-1,3-Dichloropropene
Concen: 54.190 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 95867

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	57.3	40.7	61.1



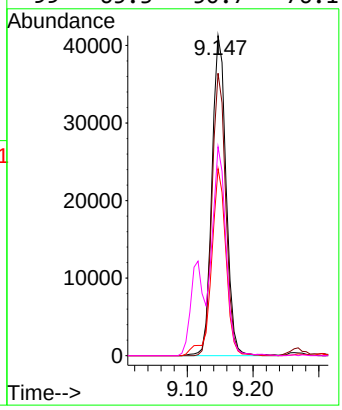


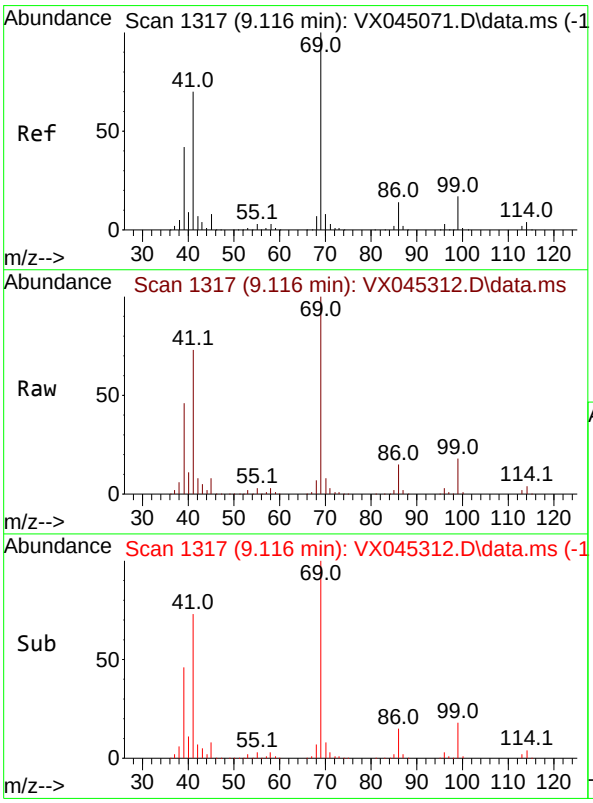
#55
1,1,2-Trichloroethane
Concen: 50.360 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 61925

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	58.5	44.1	66.1
99	65.3	50.7	76.1

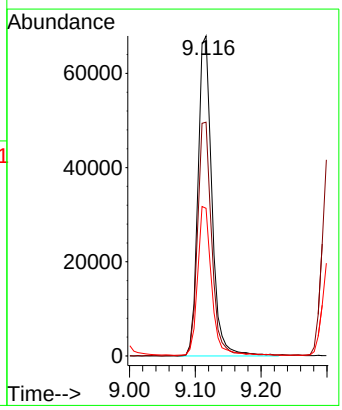


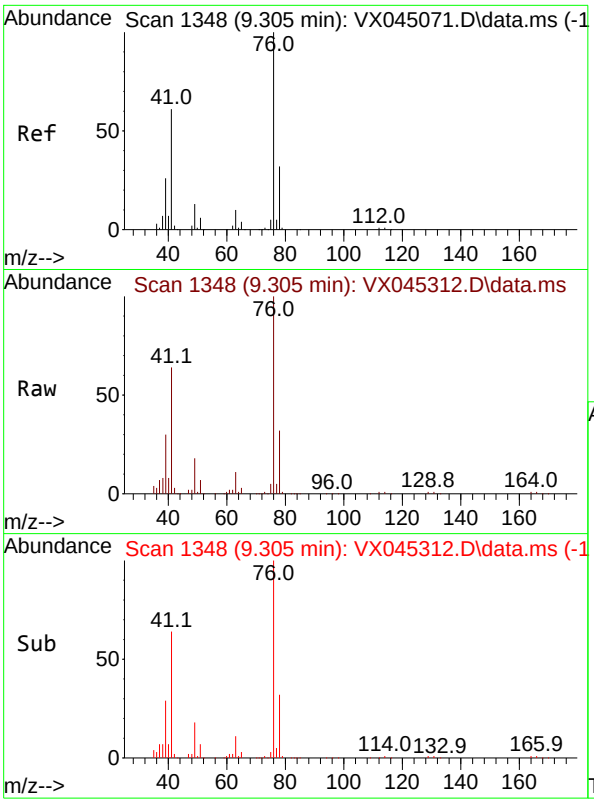


#56
Ethyl methacrylate
Concen: 53.664 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 69 Resp: 100306

Ion	Ratio	Lower	Upper
69	100		
41	74.1	57.0	85.4
39	46.7	34.2	51.4



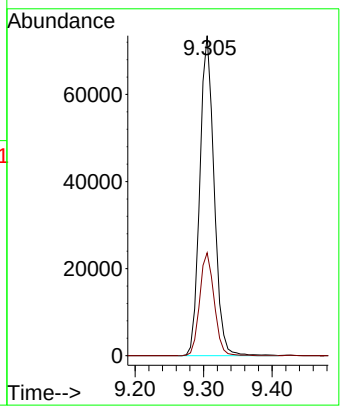


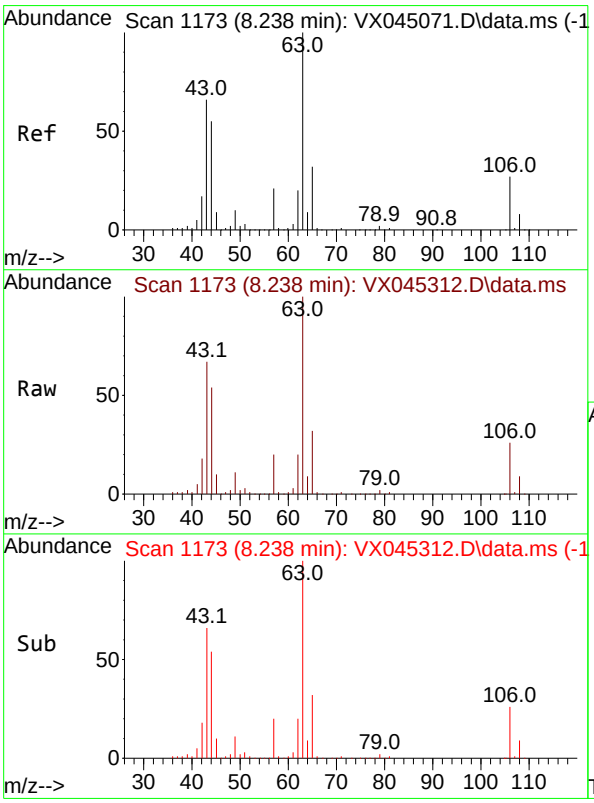
#57
1,3-Dichloropropane
Concen: 50.198 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 106823

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

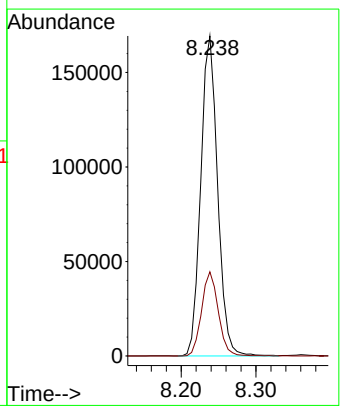


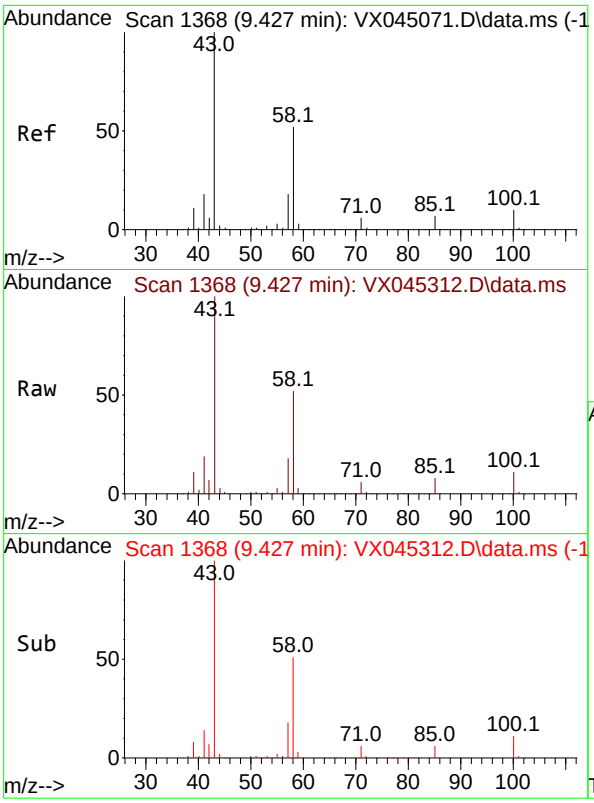


#58
2-Chloroethyl Vinyl ether
Concen: 290.649 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 63 Resp: 265011

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3



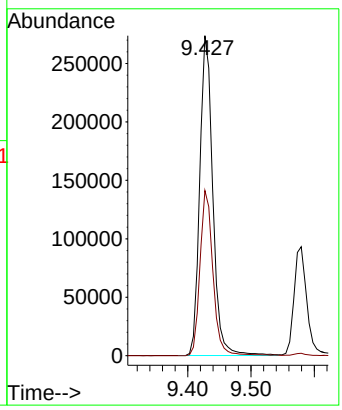


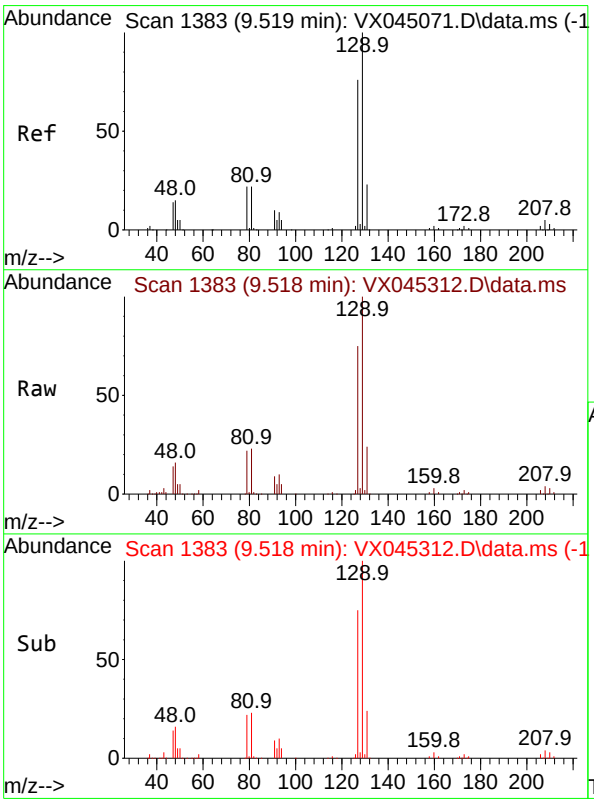
#59
2-Hexanone
Concen: 263.820 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 394266

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

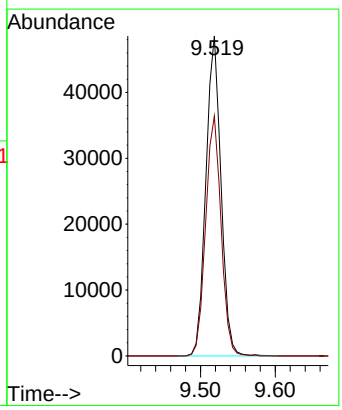


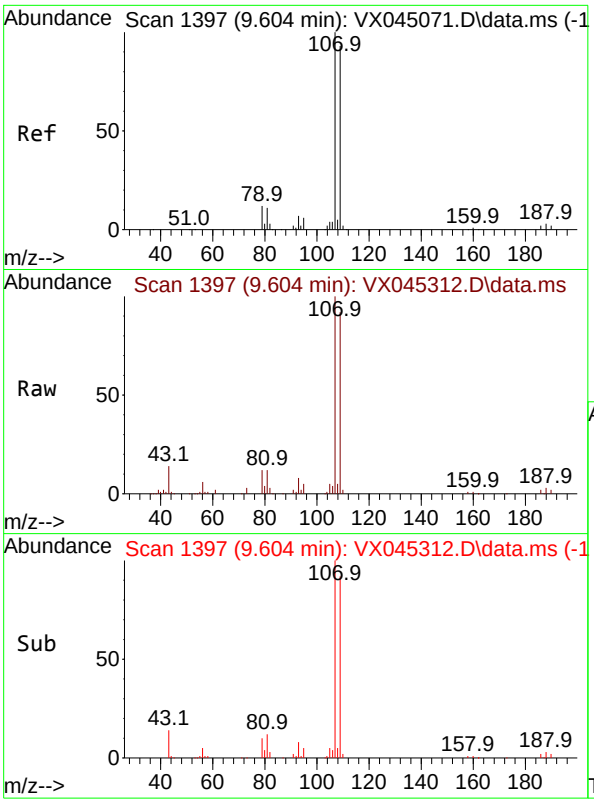


#60
Dibromochloromethane
Concen: 53.043 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:129 Resp: 68198

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5



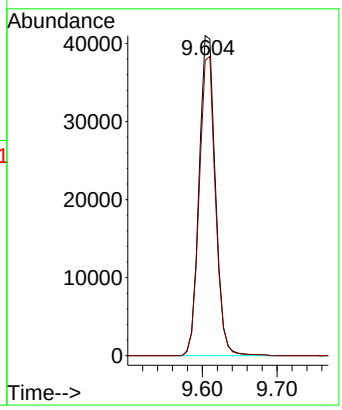


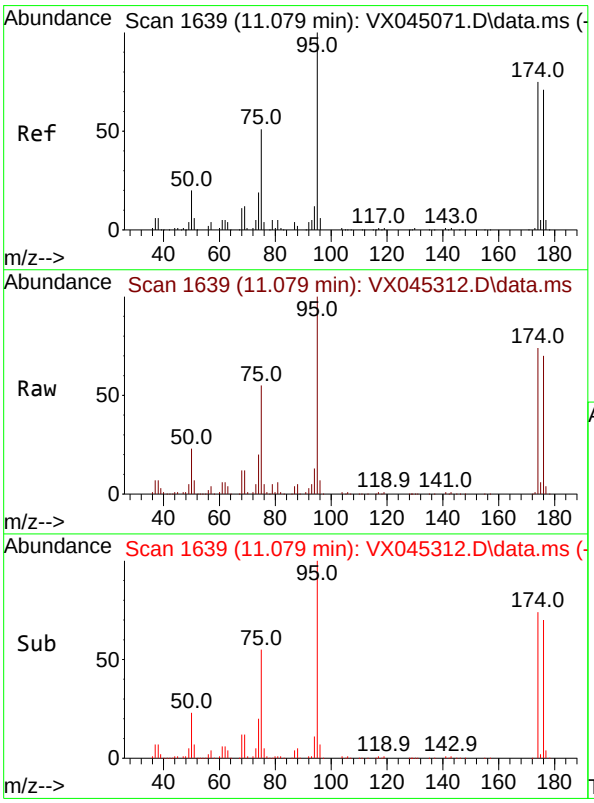
#61
1,2-Dibromoethane
Concen: 50.415 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 61888

Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.1	114.1

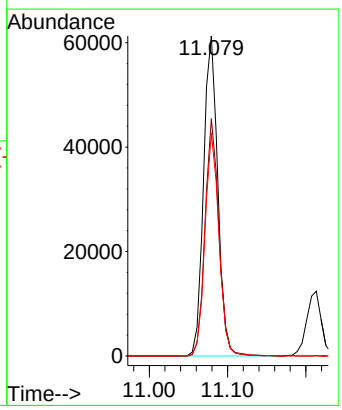


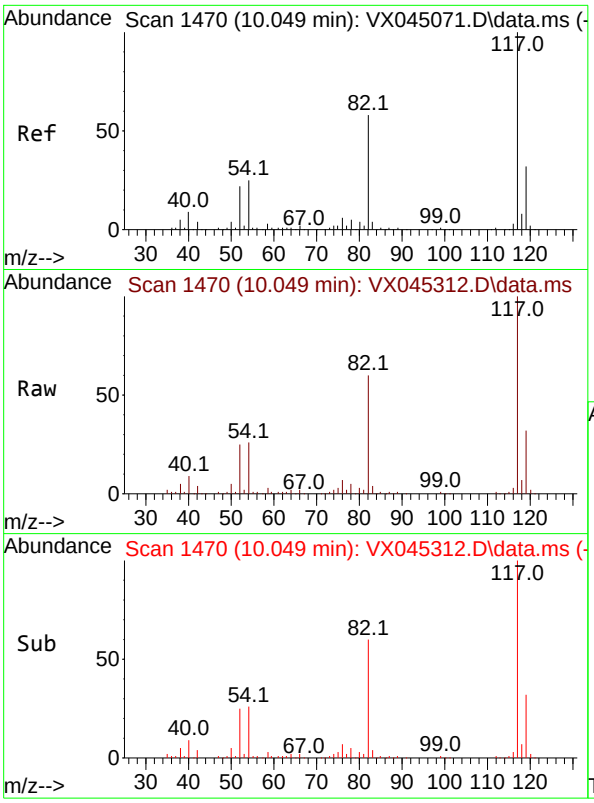


#62
4-Bromofluorobenzene
Concen: 54.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 95 Resp: 77049

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.2
176	68.3	0.0	141.4



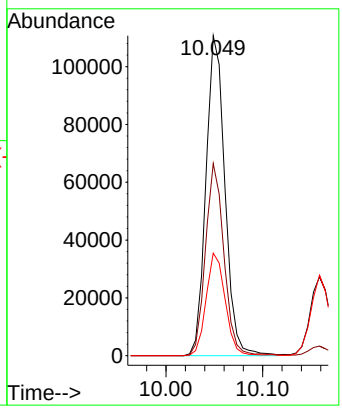


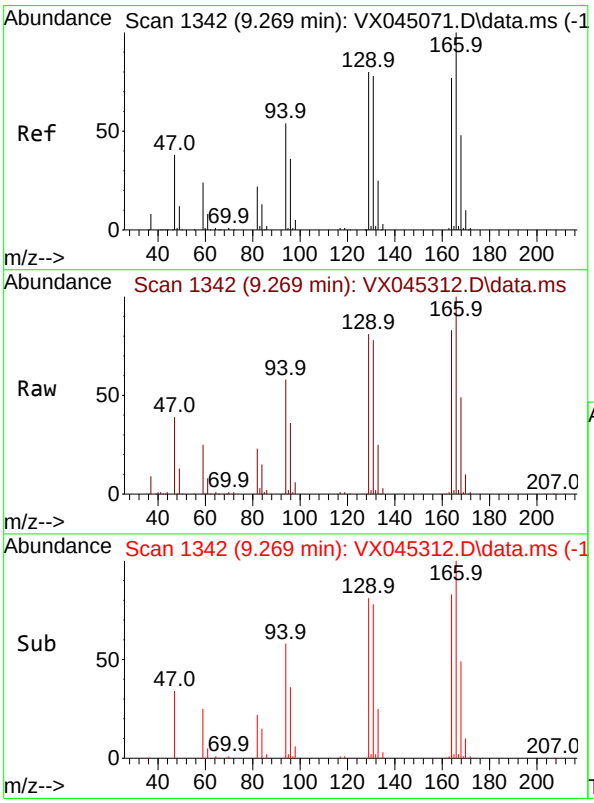
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 151375

Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.3	69.5
119	32.0	25.7	38.5

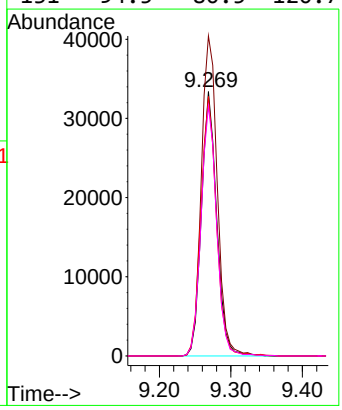


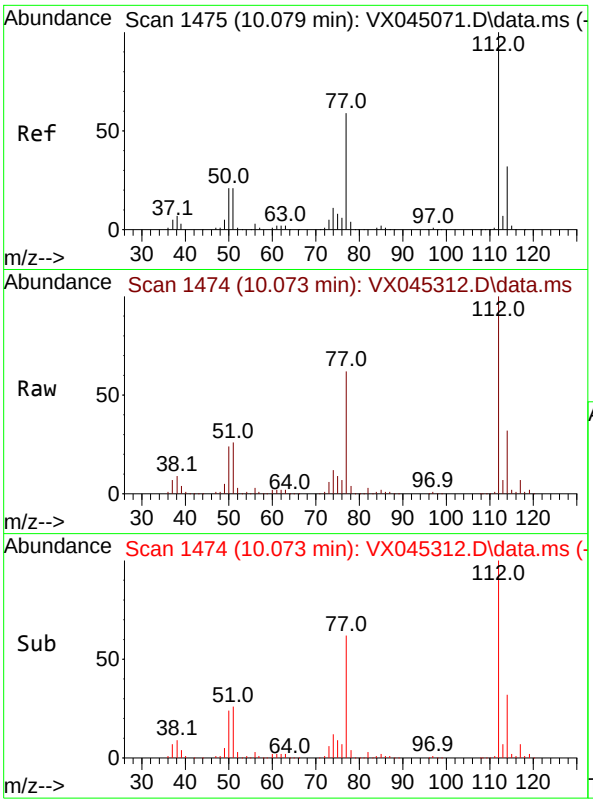


#64
Tetrachloroethene
Concen: 51.098 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:164 Resp: 49539

Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.6	155.4
129	98.2	82.7	124.1
131	94.5	80.5	120.7



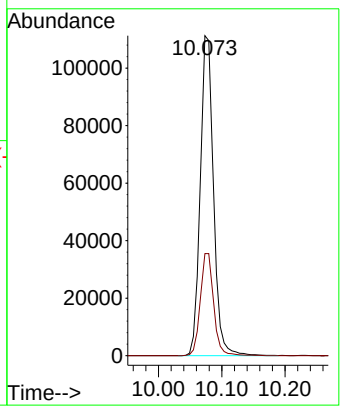


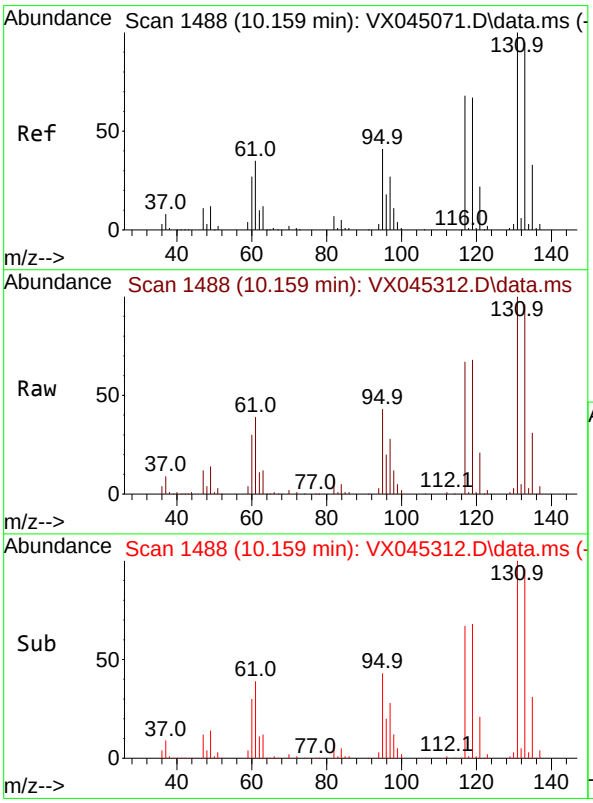
#65
Chlorobenzene
Concen: 50.822 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 162786

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

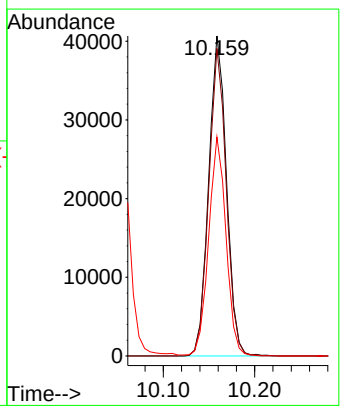


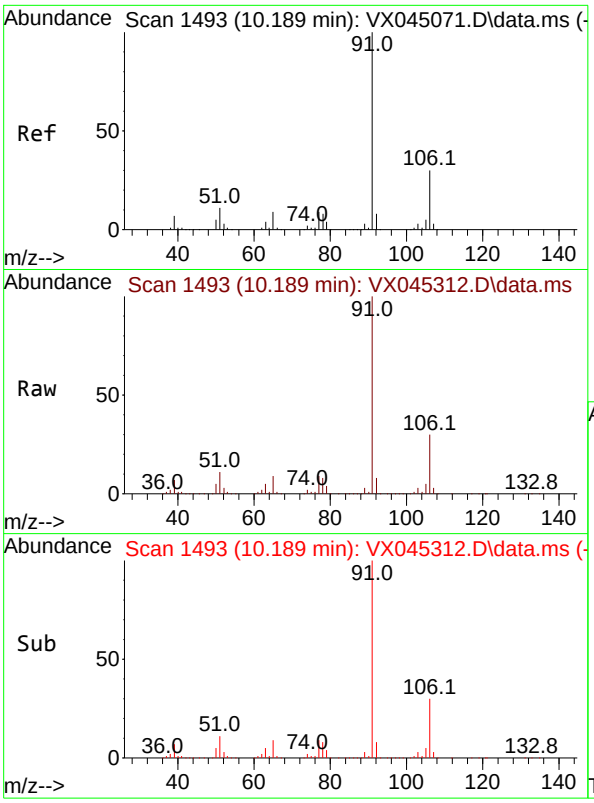


#66
1,1,1,2-Tetrachloroethane
Concen: 51.552 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:131 Resp: 54990

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	66.7	33.9	101.7



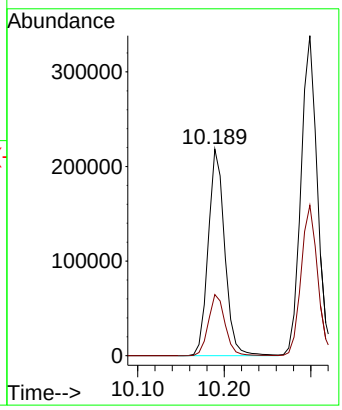


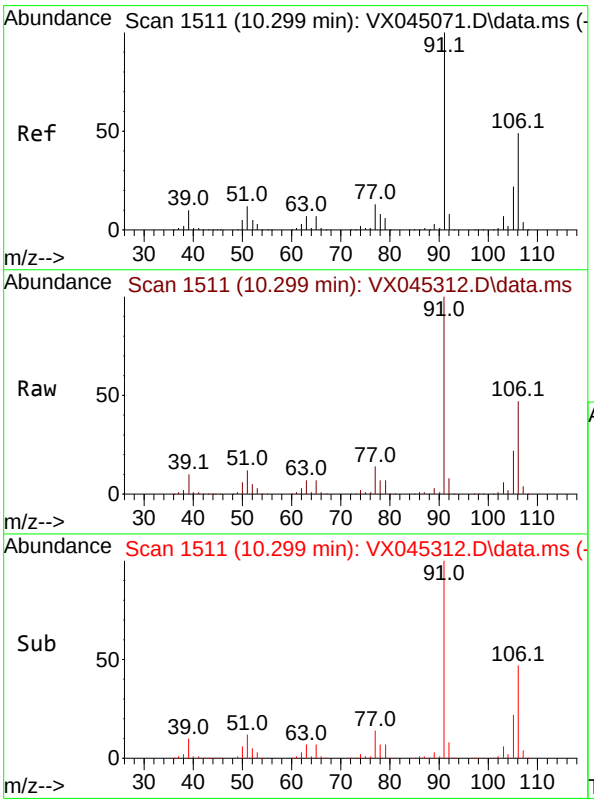
#67
Ethyl Benzene
Concen: 51.743 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 288783

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.9	35.9

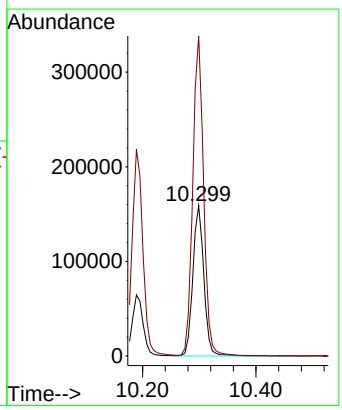


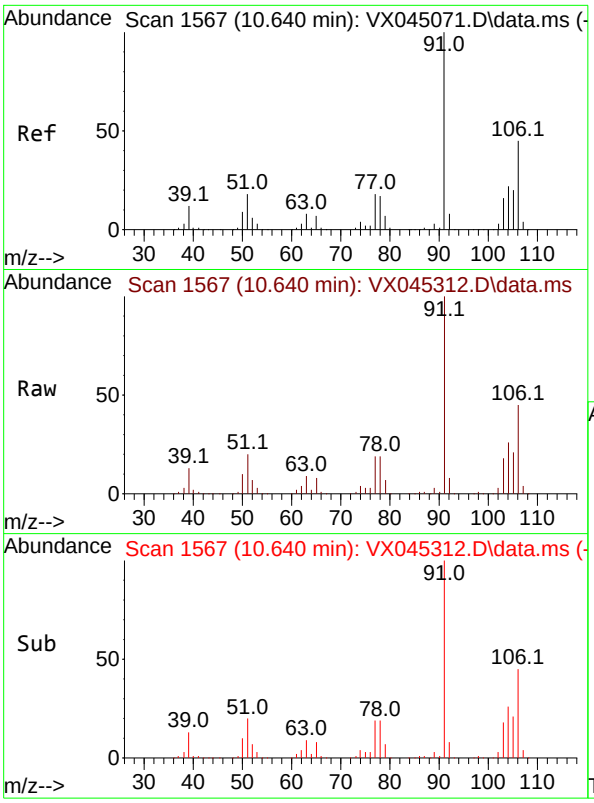


#68
m/p-Xylenes
Concen: 104.167 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:106 Resp: 212826

Ion	Ratio	Lower	Upper
106	100		
91	210.5	165.4	248.0



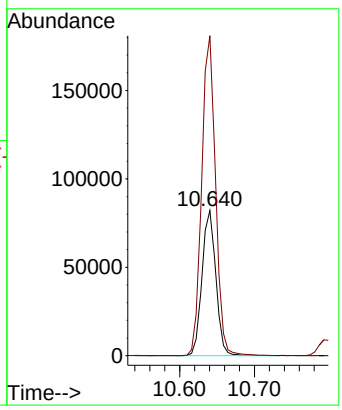


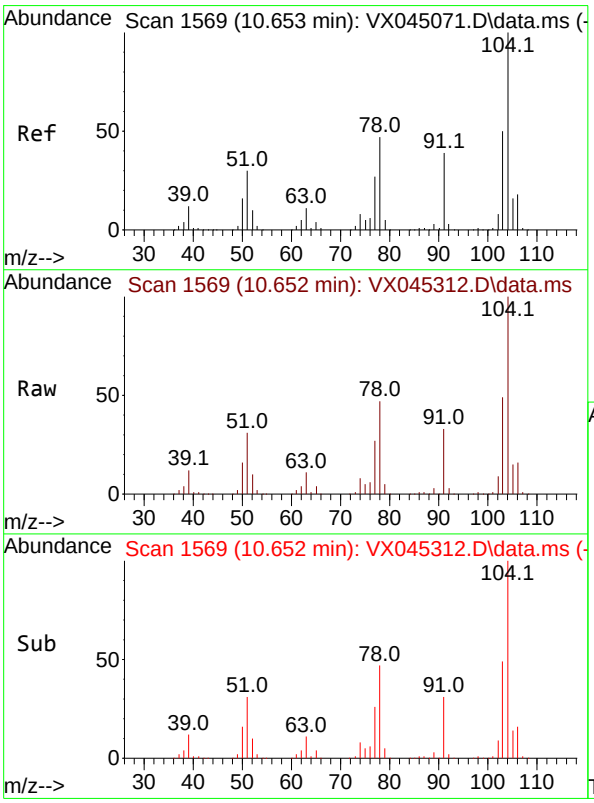
#69
o-Xylene
Concen: 51.291 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 105690

Ion	Ratio	Lower	Upper
106	100		
91	220.8	109.9	329.6

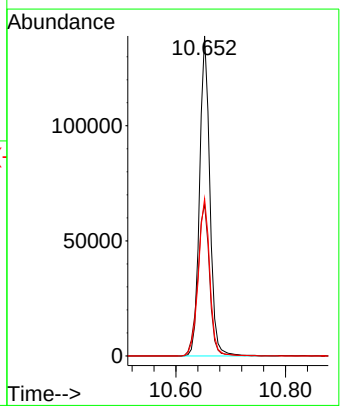


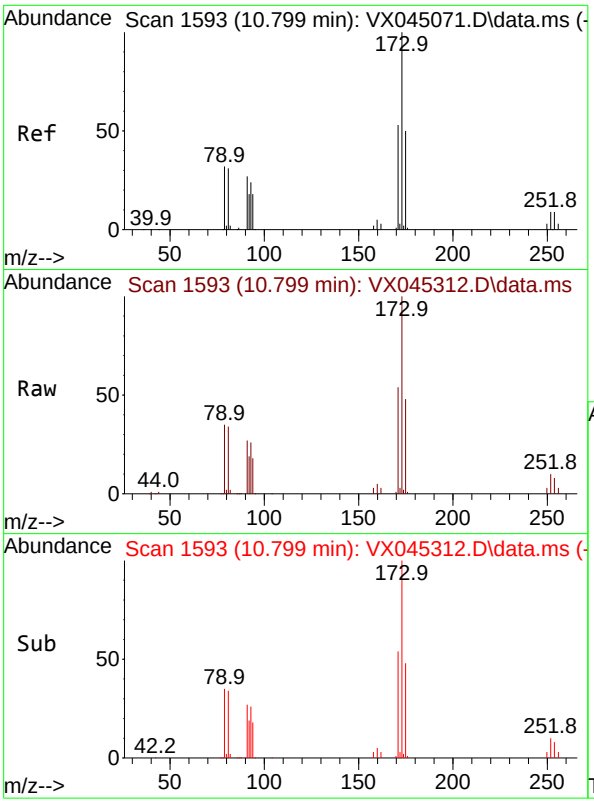


#70
Styrene
Concen: 54.166 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:104 Resp: 180599

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	55.0	43.8	65.8



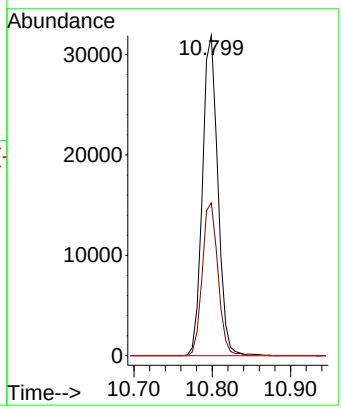


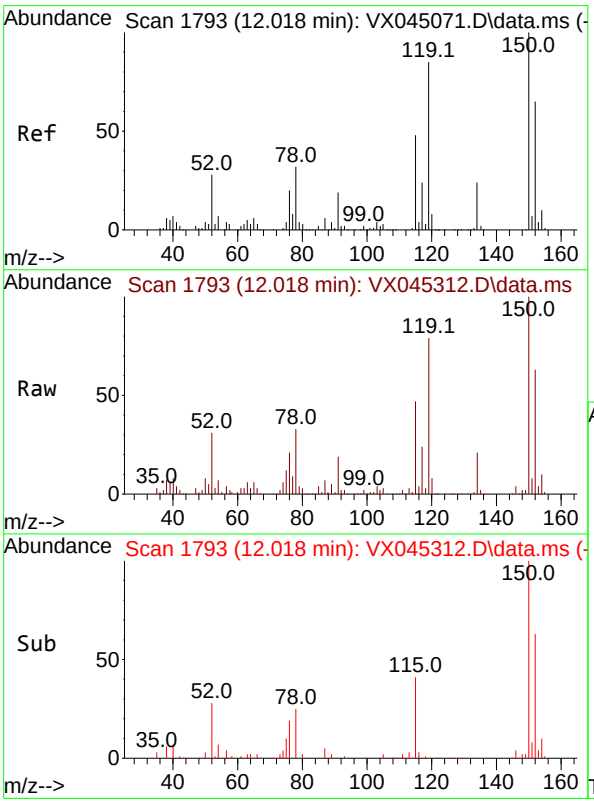
#71
Bromoform
Concen: 54.084 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43504

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.0	0.0	0.0

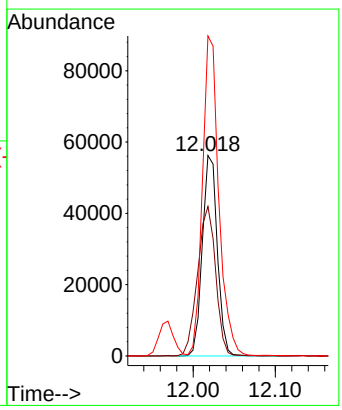


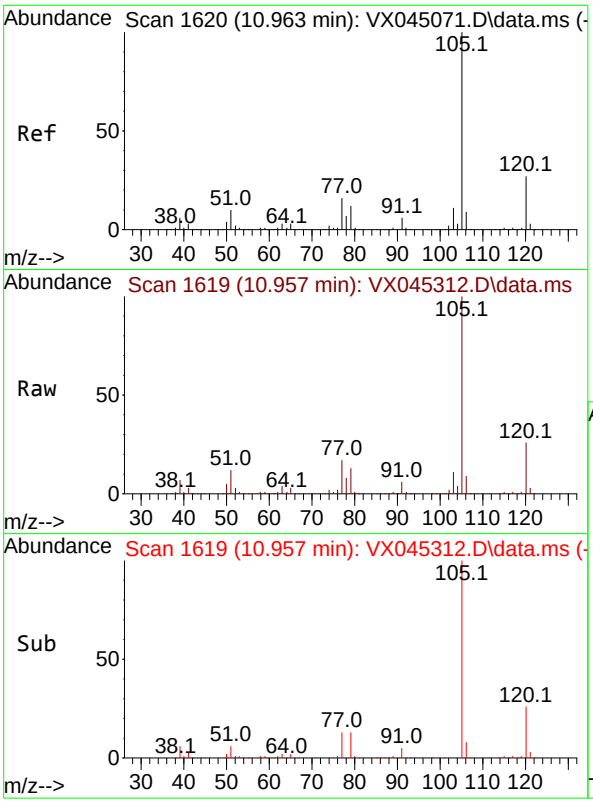


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:152 Resp: 71356

Ion	Ratio	Lower	Upper
152	100		
115	89.8	44.2	132.6
150	173.0	0.0	349.0



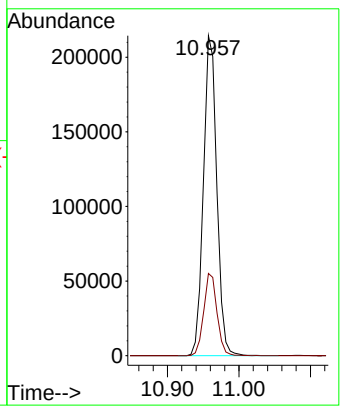


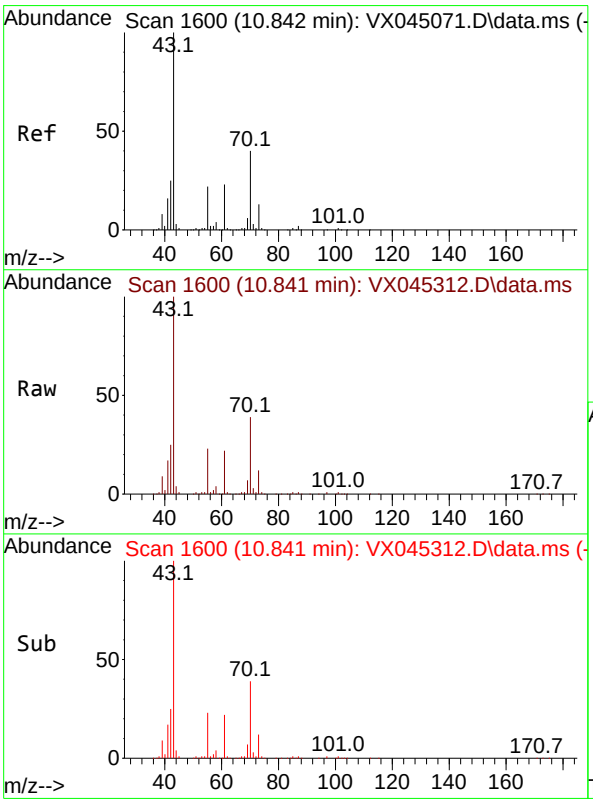
#73
Isopropylbenzene
Concen: 50.023 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 278606

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

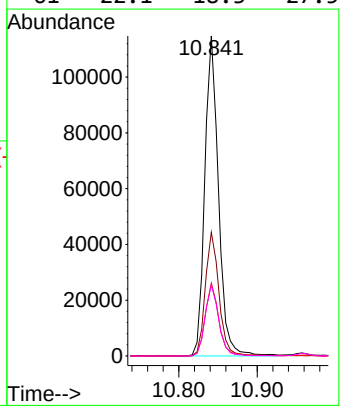


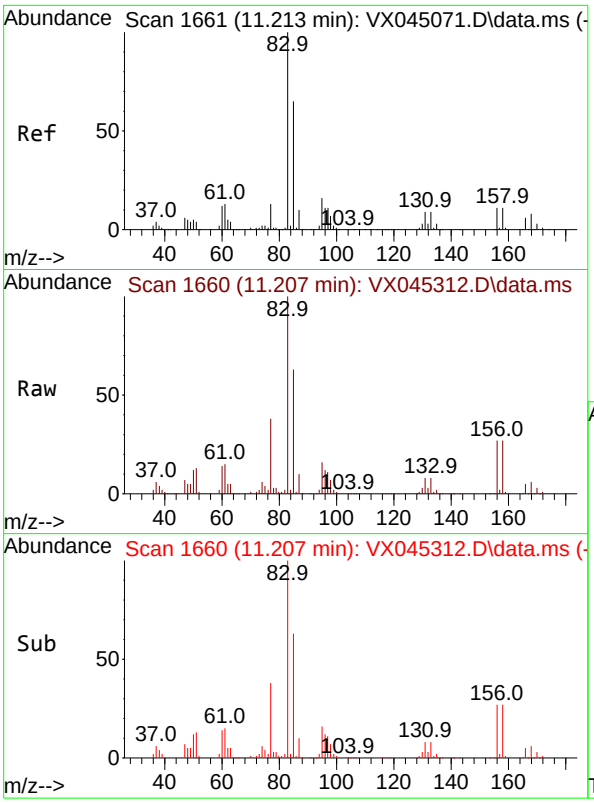


#74
N-amyl acetate
Concen: 53.226 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 43 Resp: 139101

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	22.9	18.3	27.5
61	22.1	18.3	27.5



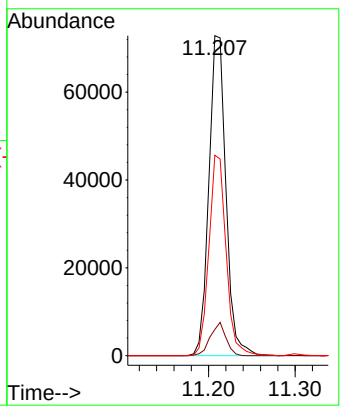


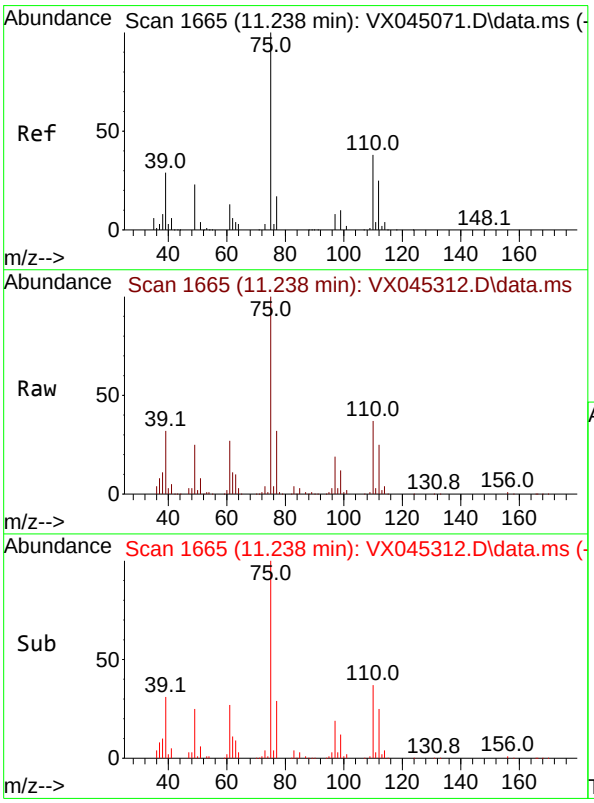
#75
1,1,2,2-Tetrachloroethane
Concen: 48.809 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 99756

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	62.9	31.7	95.1

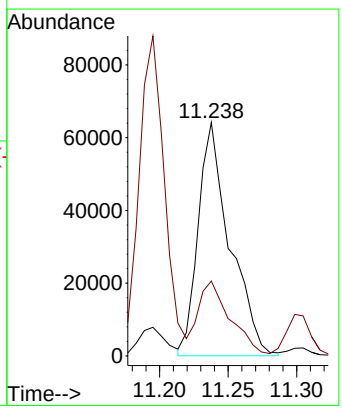


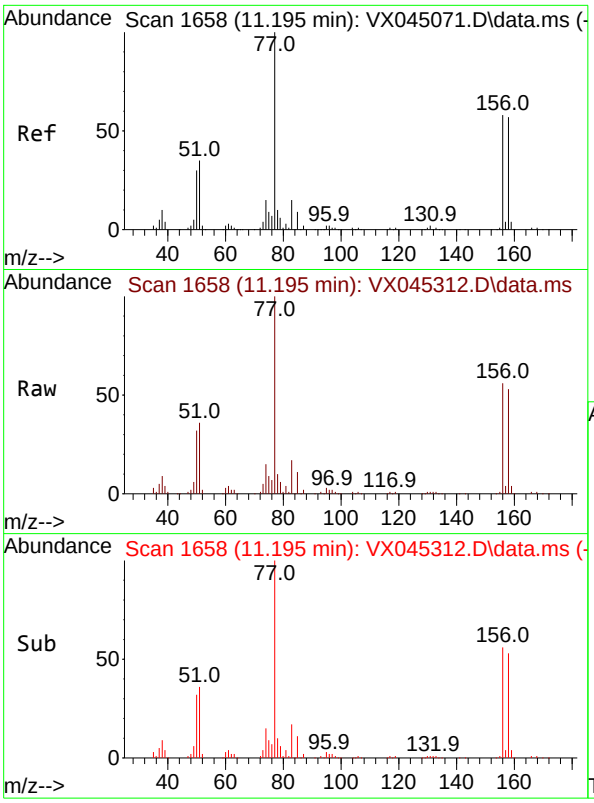


#76
1,2,3-Trichloropropane
Concen: 62.422 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 103671

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



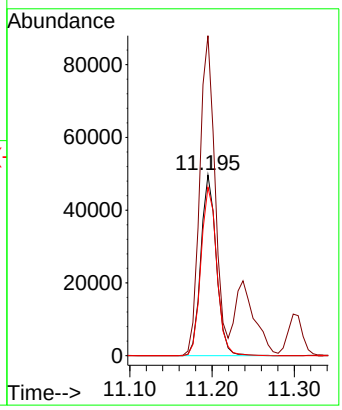


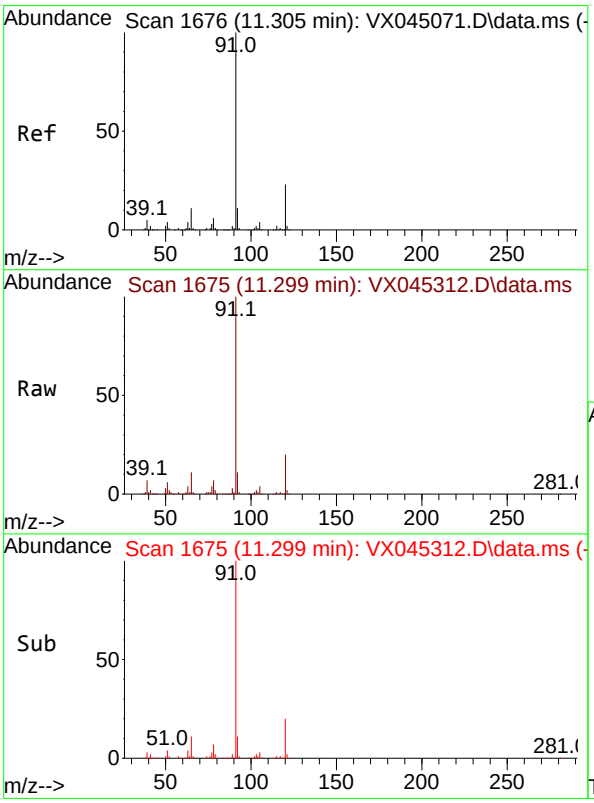
#77
Bromobenzene
Concen: 49.150 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 64588

Ion	Ratio	Lower	Upper
156	100		
77	176.3	85.8	257.4
158	96.1	48.4	145.2

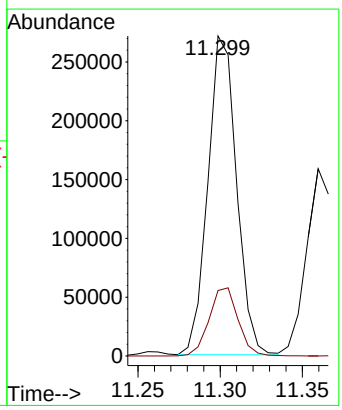


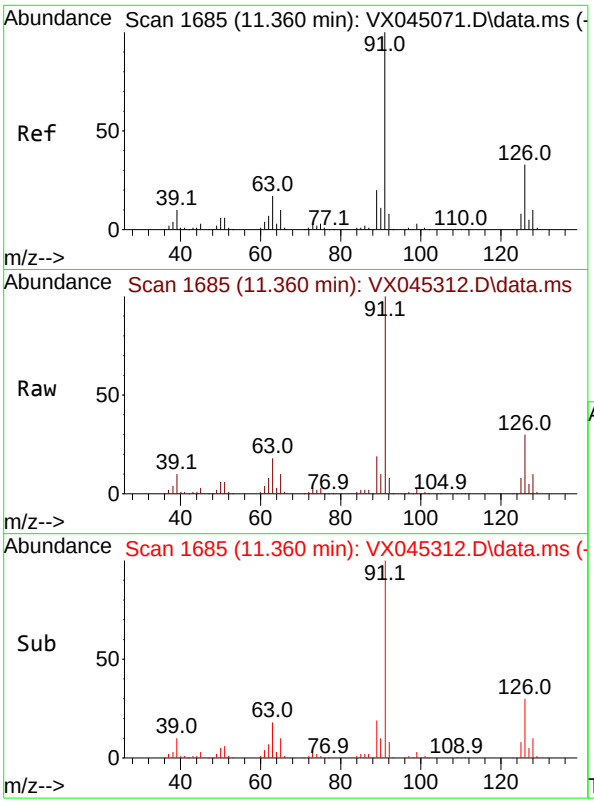


#78
n-propylbenzene
Concen: 52.338 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 329285

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



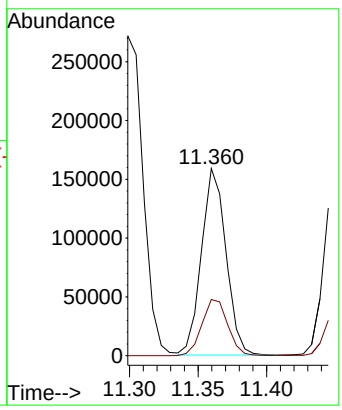


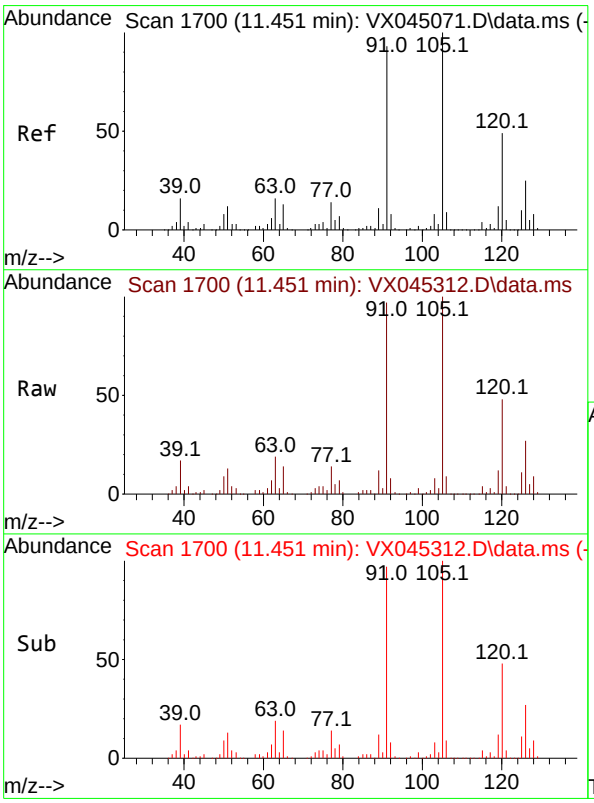
#79
2-Chlorotoluene
Concen: 49.301 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 197543

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4

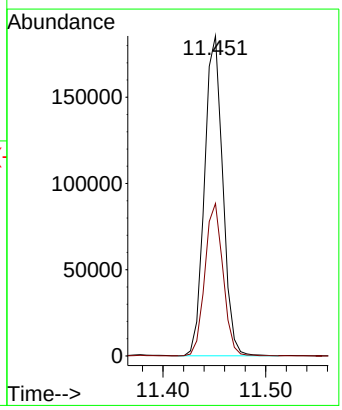


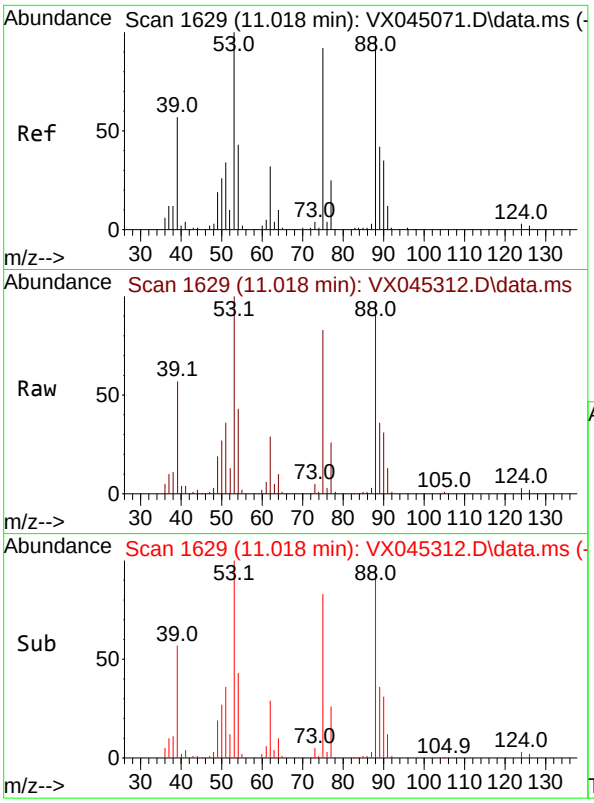


#80
1,3,5-Trimethylbenzene
Concen: 50.984 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 229603

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



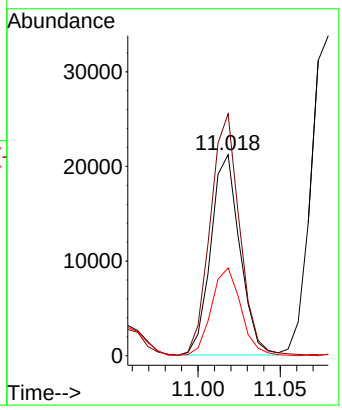


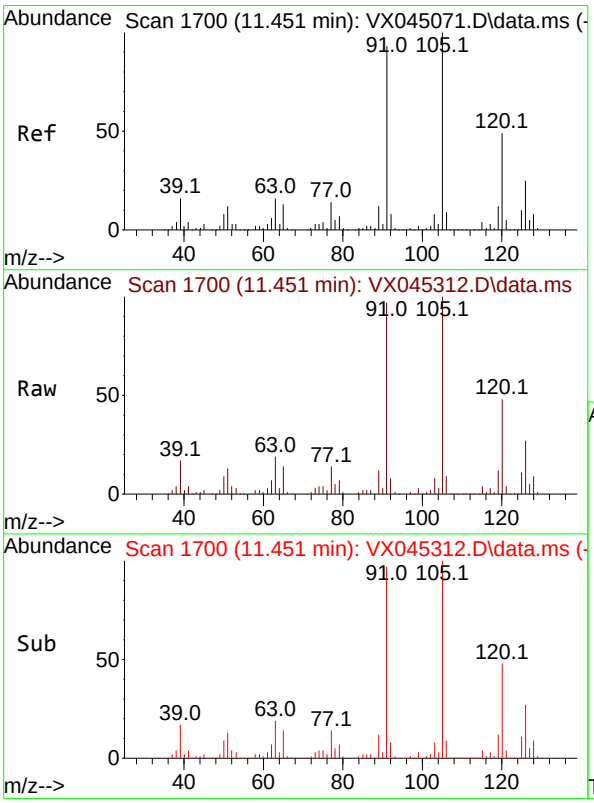
#81
trans-1,4-Dichloro-2-butene
Concen: 53.737 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26079

Ion	Ratio	Lower	Upper
75	100		
53	122.5	88.5	132.7
89	44.5	36.2	54.4

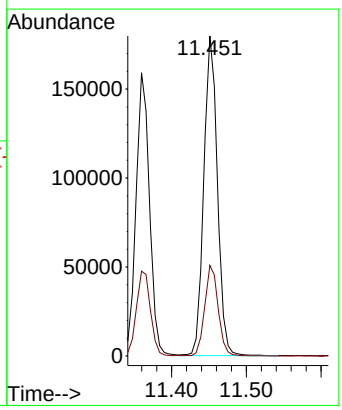


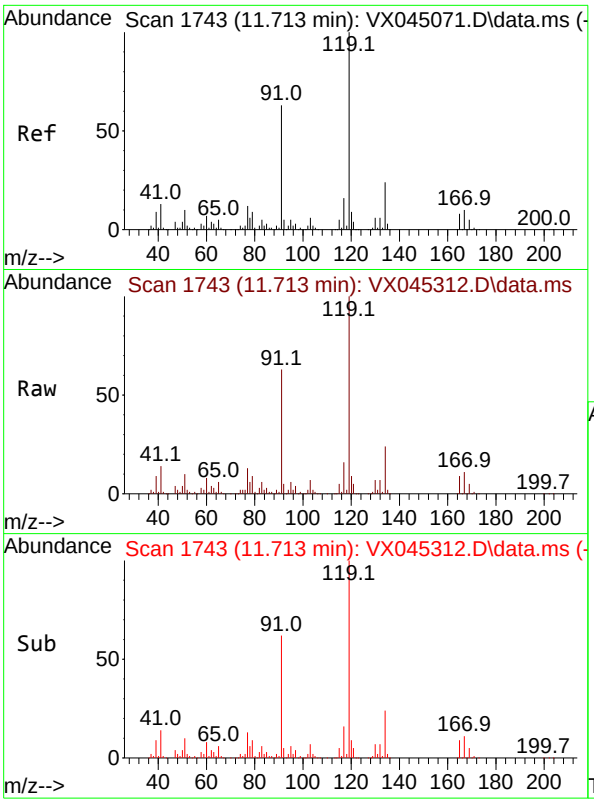


#82
4-Chlorotoluene
Concen: 51.902 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 91 Resp: 226650

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



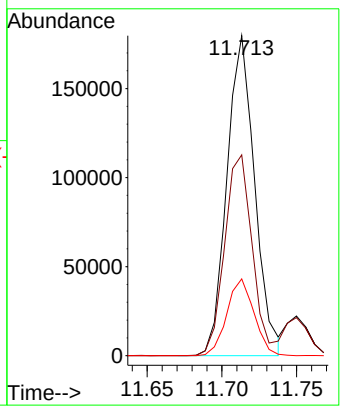


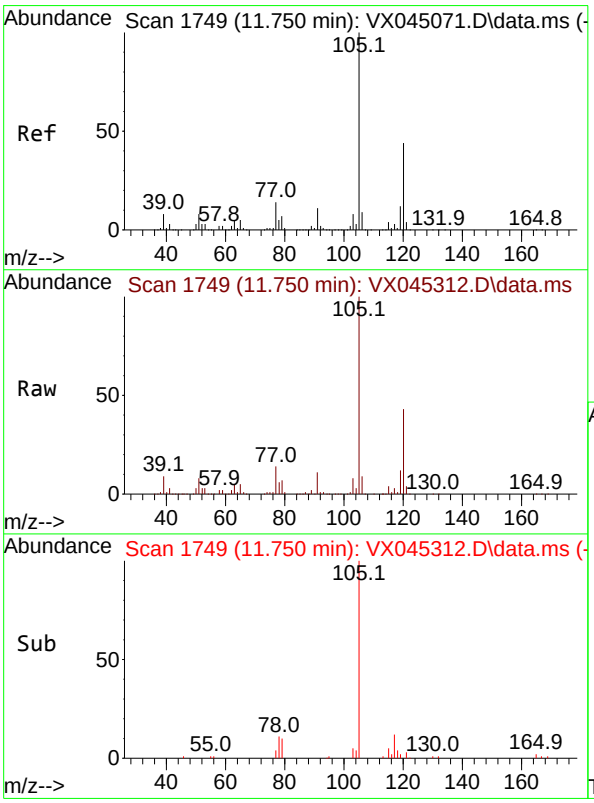
#83
tert-Butylbenzene
Concen: 50.249 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 232507

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.5	11.7	35.0

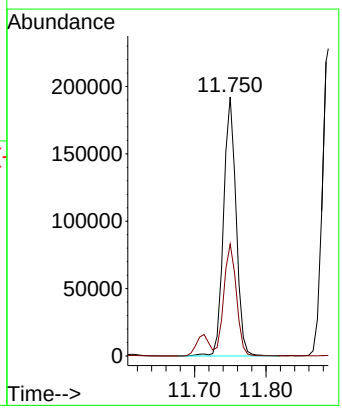


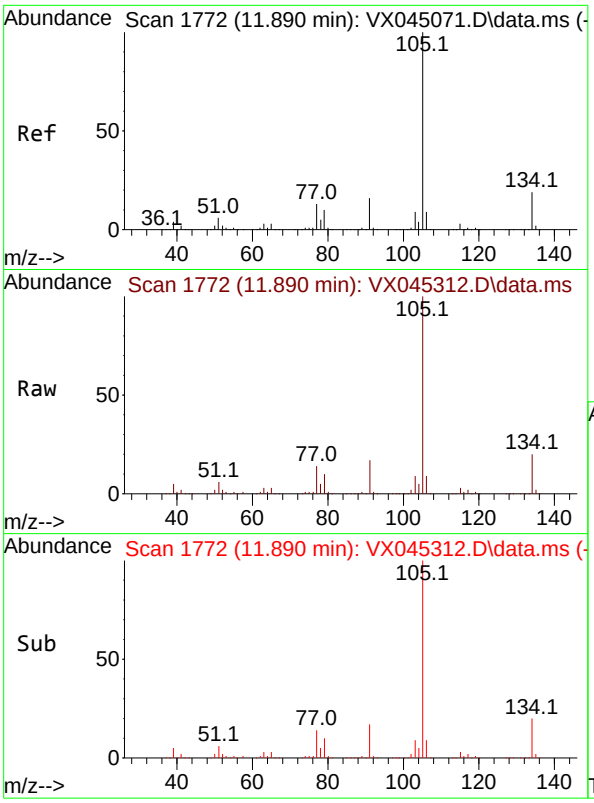


#84
1,2,4-Trimethylbenzene
Concen: 51.705 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:105 Resp: 234292

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



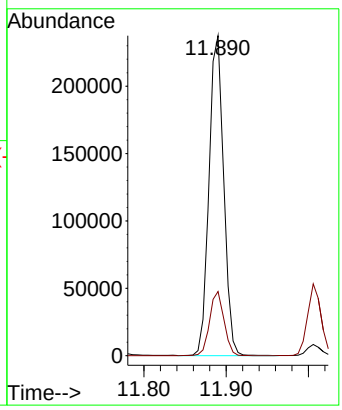


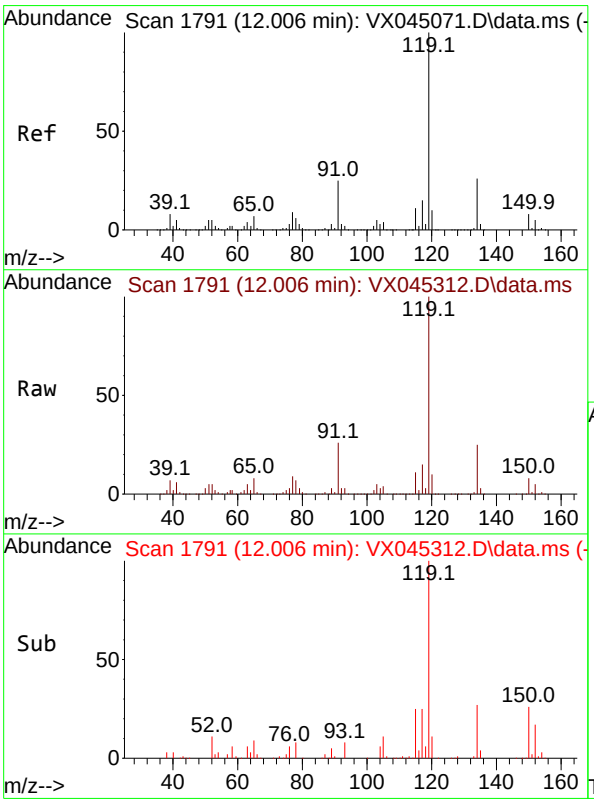
#85
sec-Butylbenzene
Concen: 53.254 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 295168

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

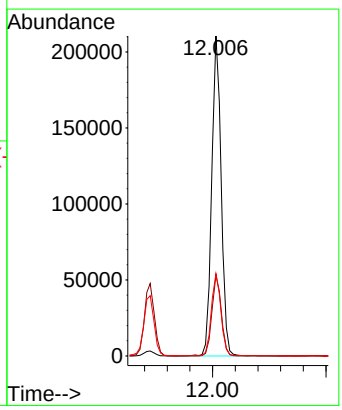


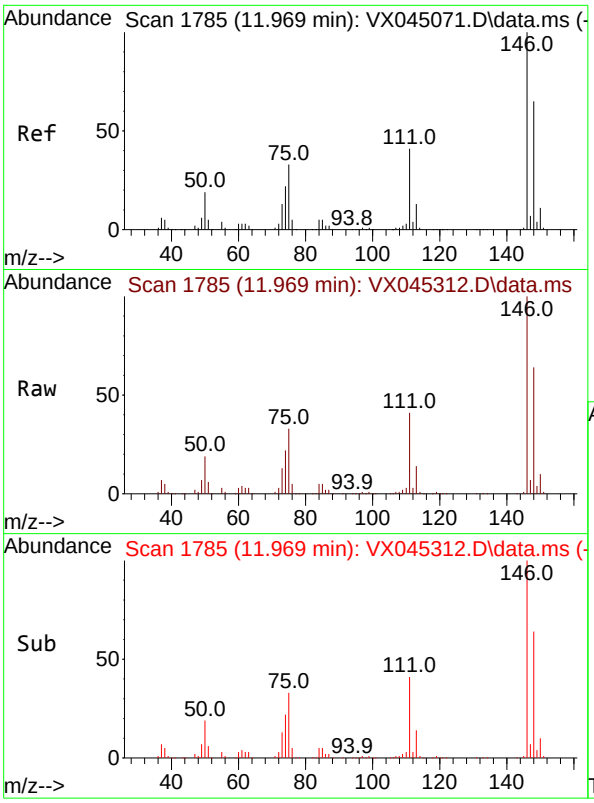


#86
p-Isopropyltoluene
Concen: 54.417 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:119 Resp: 243748

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.9	38.6
91	25.9	12.7	38.0



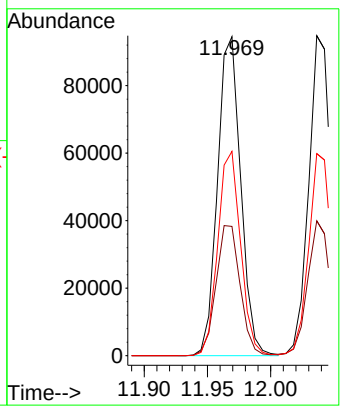


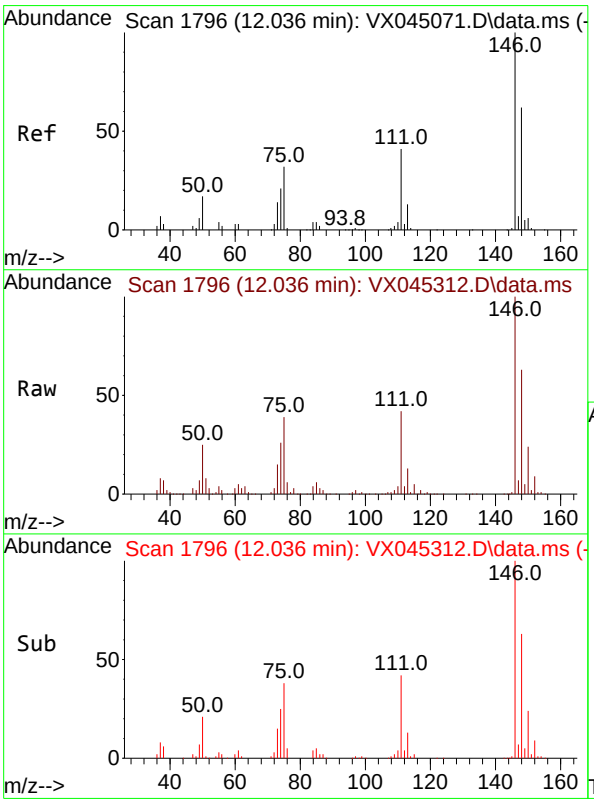
#87
1,3-Dichlorobenzene
Concen: 51.323 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 120314

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.2	31.9	95.7

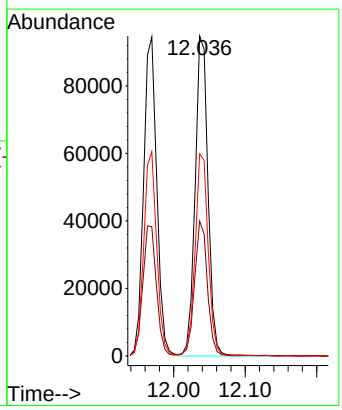


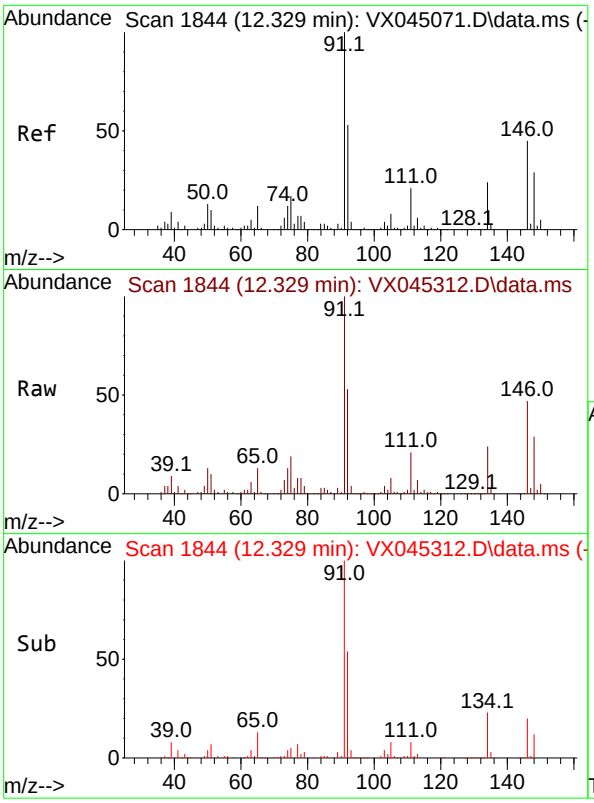


#88
1,4-Dichlorobenzene
Concen: 49.875 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:146 Resp: 118289

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	64.1	31.9	95.9



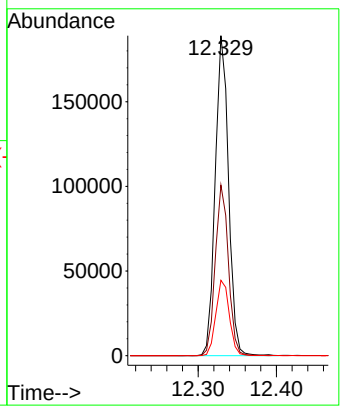


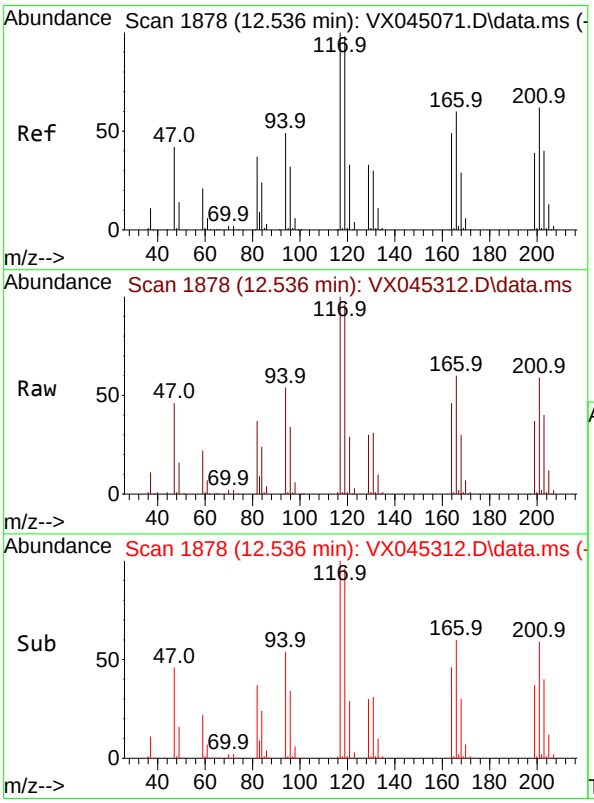
#89
n-Butylbenzene
Concen: 57.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 223520

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.9	12.2	36.6

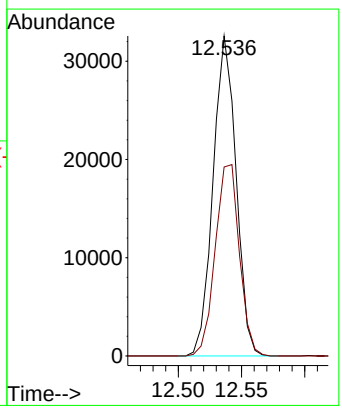


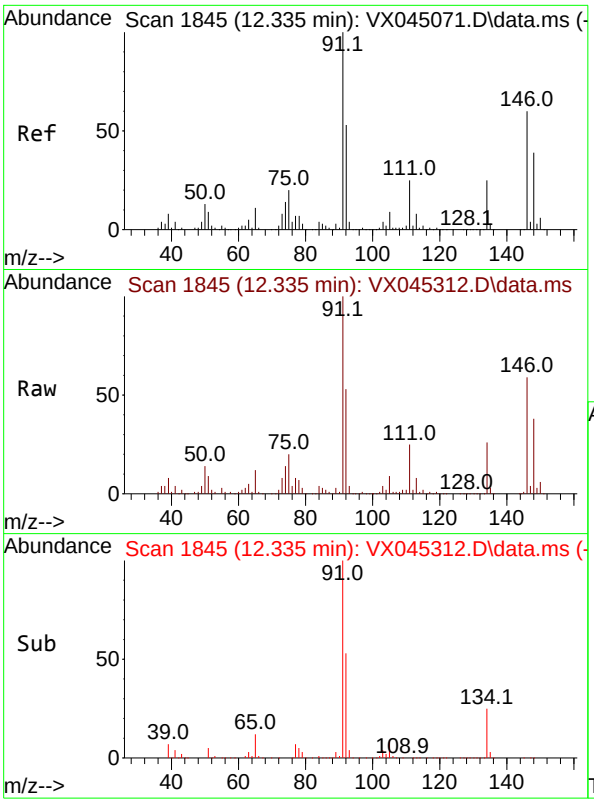


#90
Hexachloroethane
Concen: 50.780 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:117 Resp: 41142

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.9	95.9



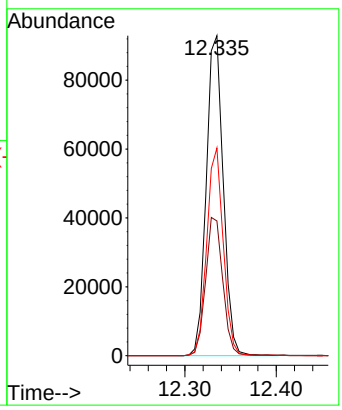


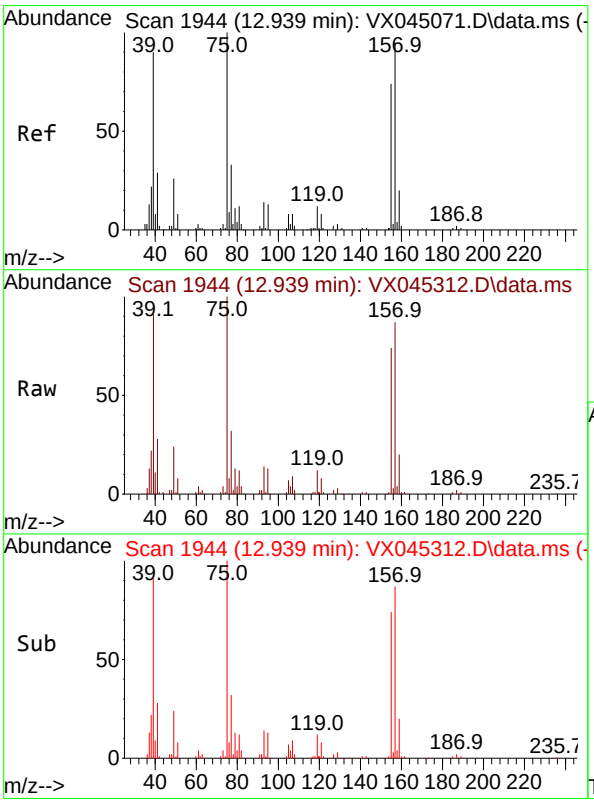
#91
1,2-Dichlorobenzene
Concen: 50.826 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 119524

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	63.2	31.9	95.9

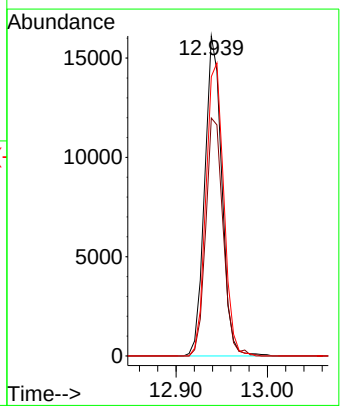


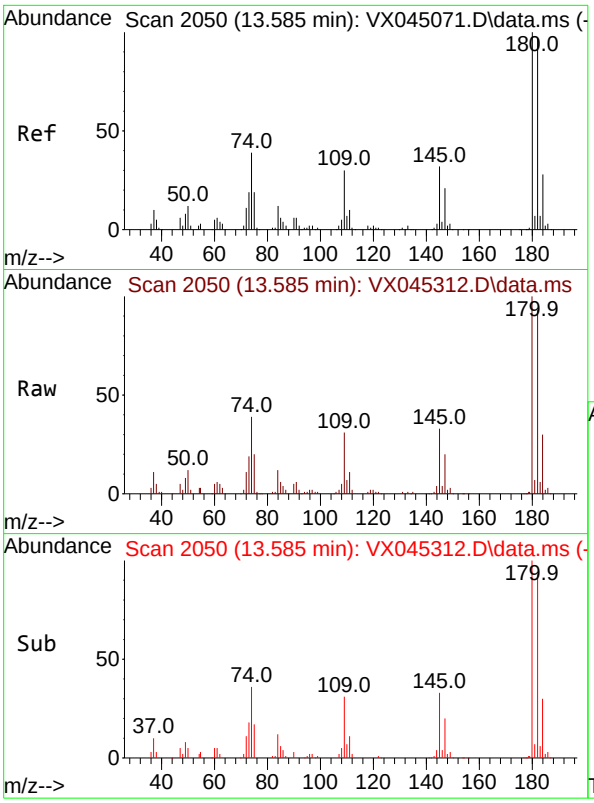


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.623 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion: 75 Resp: 20953

Ion	Ratio	Lower	Upper
75	100		
155	75.3	39.6	118.7
157	95.0	51.1	153.4



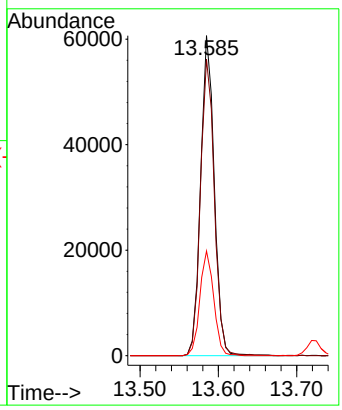


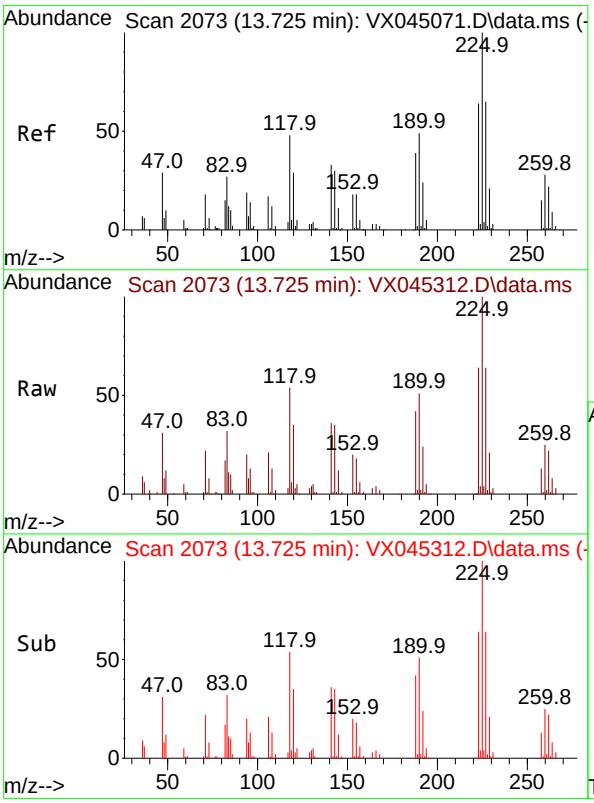
#93
1,2,4-Trichlorobenzene
Concen: 54.660 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 73192

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.2	16.3	48.9

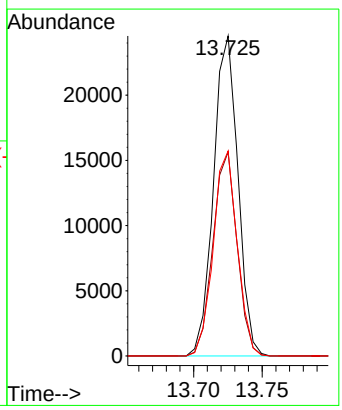


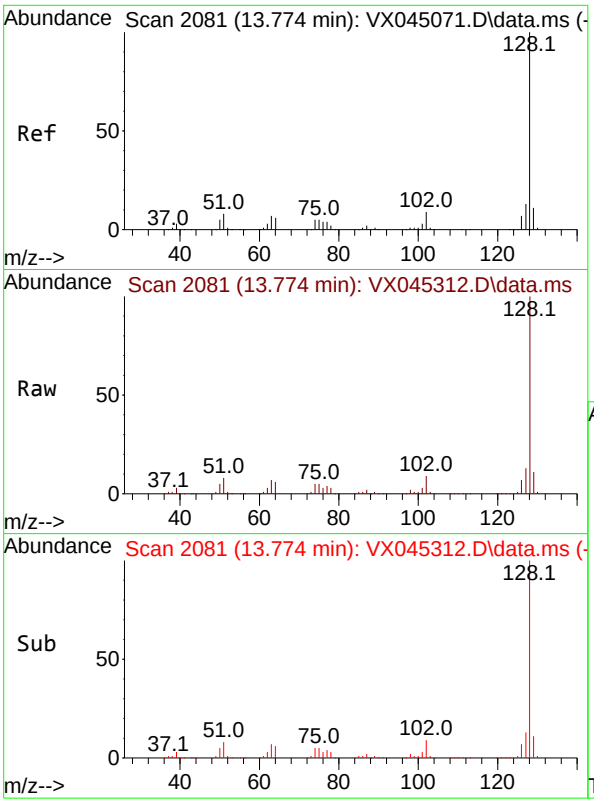


#94
Hexachlorobutadiene
Concen: 55.325 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:225 Resp: 30372

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	62.9	31.4	94.0



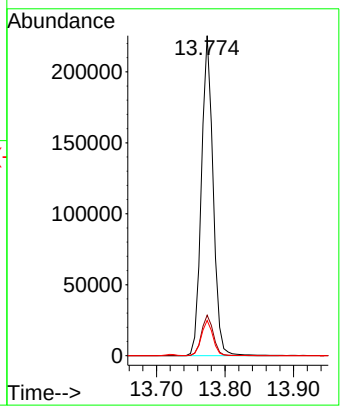


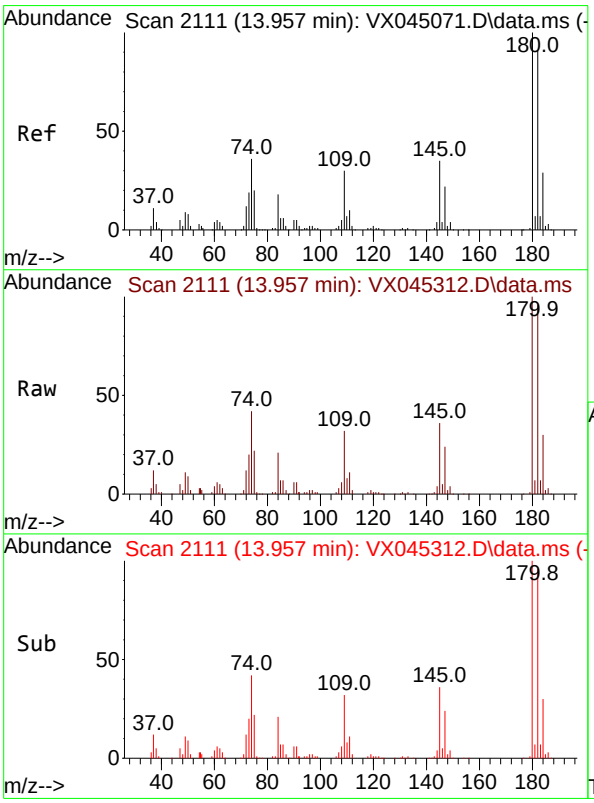
#95
Naphthalene
Concen: 52.139 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 268238

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

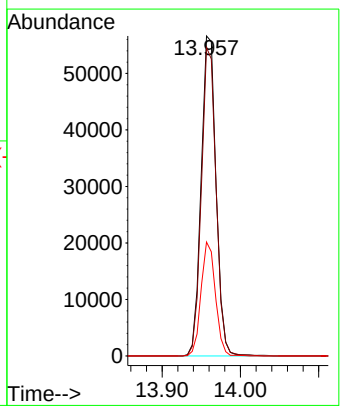




#96
1,2,3-Trichlorobenzene
Concen: 52.979 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045312.D
Acq: 18 Mar 2025 10:02

Tgt Ion:180 Resp: 74839

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	34.3	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179978	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85669	53.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.420%			
35) Dibromofluoromethane	5.379	113	63666	52.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	8.647	98	223393	51.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	78279	54.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23648	18.561	ug/l	96
3) Chloromethane	1.307	50	26060	16.714	ug/l	96
4) Vinyl Chloride	1.374	62	24585	15.895	ug/l	99
5) Bromomethane	1.593	94	11086	18.232	ug/l	97
6) Chloroethane	1.666	64	14472	20.285	ug/l	97
7) Trichlorofluoromethane	1.874	101	38112	18.613	ug/l	98
8) Diethyl Ether	2.136	74	13147	16.415	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	24411	20.751	ug/l	98
10) Methyl Iodide	2.441	142	27544	18.736	ug/l	97
11) Tert butyl alcohol	2.977	59	23962	78.575	ug/l	97
12) 1,1-Dichloroethene	2.307	96	22967	18.466	ug/l	93
13) Acrolein	2.233	56	18007	51.080	ug/l	100
14) Allyl chloride	2.654	41	43853	19.808	ug/l	97
15) Acrylonitrile	3.062	53	81578	99.811	ug/l	99
16) Acetone	2.386	43	74275	99.433	ug/l	100
17) Carbon Disulfide	2.502	76	48265	14.570	ug/l	100
18) Methyl Acetate	2.703	43	44014	24.493	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	82507	19.773	ug/l	97
20) Methylene Chloride	2.782	84	27791	18.782	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23029	18.742	ug/l	91
22) Diisopropyl ether	3.757	45	91341	20.287	ug/l #	79
23) Vinyl Acetate	3.721	43	368514	98.077	ug/l	100
24) 1,1-Dichloroethane	3.605	63	49698	19.695	ug/l	97
25) 2-Butanone	4.556	43	115779	102.970	ug/l	97
26) 2,2-Dichloropropane	4.477	77	33045	27.919	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	29728	19.599	ug/l	96
28) Bromochloromethane	4.898	49	26265	21.837	ug/l	100
29) Tetrahydrofuran	5.007	42	72963	96.628	ug/l	99
30) Chloroform	5.087	83	51341	20.477	ug/l	98
31) Cyclohexane	5.465	56	40755	18.606	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	40576	20.038	ug/l	99
36) 1,1-Dichloropropene	5.690	75	32750	19.843	ug/l	98
37) Ethyl Acetate	4.721	43	41898	19.701	ug/l	99
38) Carbon Tetrachloride	5.672	117	32994	19.691	ug/l	97
39) Methylcyclohexane	7.373	83	39221	19.833	ug/l	96
40) Benzene	6.031	78	102609	19.688	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	23090	20.079	ug/l		94
42) 1,2-Dichloroethane	6.086	62	39956	21.290	ug/l		98
43) Isopropyl Acetate	6.342	43	63959	20.338	ug/l		99
44) Trichloroethene	7.117	130	23097	18.874	ug/l		97
45) 1,2-Dichloropropane	7.428	63	26591	19.844	ug/l		98
46) Dibromomethane	7.580	93	19209	20.282	ug/l		99
47) Bromodichloromethane	7.818	83	38279	20.605	ug/l		97
48) Methyl methacrylate	7.690	41	32572	20.645	ug/l		96
49) 1,4-Dioxane	7.665	88	12054	362.201	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	230272	109.054	ug/l		98
52) Toluene	8.714	92	62616	20.477	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	31720	20.424	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	38346	21.174	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	25793	20.490	ug/l		98
56) Ethyl methacrylate	9.116	69	39605	20.698	ug/l		94
57) 1,3-Dichloropropane	9.305	76	44804	20.567	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	88727	95.056	ug/l		99
59) 2-Hexanone	9.427	43	167637	109.574	ug/l		98
60) Dibromochloromethane	9.519	129	26686	20.275	ug/l		99
61) 1,2-Dibromoethane	9.610	107	25665	20.423	ug/l		99
64) Tetrachloroethene	9.269	164	20403	20.025	ug/l		96
65) Chlorobenzene	10.080	112	66830	19.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	22645	20.200	ug/l		97
67) Ethyl Benzene	10.189	91	119008	20.290	ug/l		99
68) m/p-Xylenes	10.299	106	88510	41.222	ug/l		98
69) o-Xylene	10.640	106	43529	20.101	ug/l		96
70) Styrene	10.653	104	73075	20.855	ug/l		98
71) Bromoform	10.799	173	16873	19.960	ug/l	#	96
73) Isopropylbenzene	10.957	105	115722	21.006	ug/l		99
74) N-amyl acetate	10.842	43	52935	20.478	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	40904	20.233	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	41311	25.147	ug/l		86
77) Bromobenzene	11.195	156	26393	20.305	ug/l		98
78) n-propylbenzene	11.299	91	133799	21.500	ug/l		98
79) 2-Chlorotoluene	11.360	91	81371	20.531	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	93706	21.036	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9303	19.380	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	90708	21.000	ug/l		100
83) tert-Butylbenzene	11.713	119	94270	20.597	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	95258	21.253	ug/l		99
85) sec-Butylbenzene	11.890	105	118093	21.540	ug/l		99
86) p-Isopropyltoluene	12.006	119	93774	21.165	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	46929	20.238	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	46719	19.915	ug/l		98
89) n-Butylbenzene	12.329	91	81793	21.434	ug/l		99
90) Hexachloroethane	12.536	117	15561	19.417	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	47575	20.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7898	20.053	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	26039	19.660	ug/l		99
94) Hexachlorobutadiene	13.725	225	11193	20.613	ug/l		99
95) Naphthalene	13.774	128	99469	19.547	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	27553	19.719	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

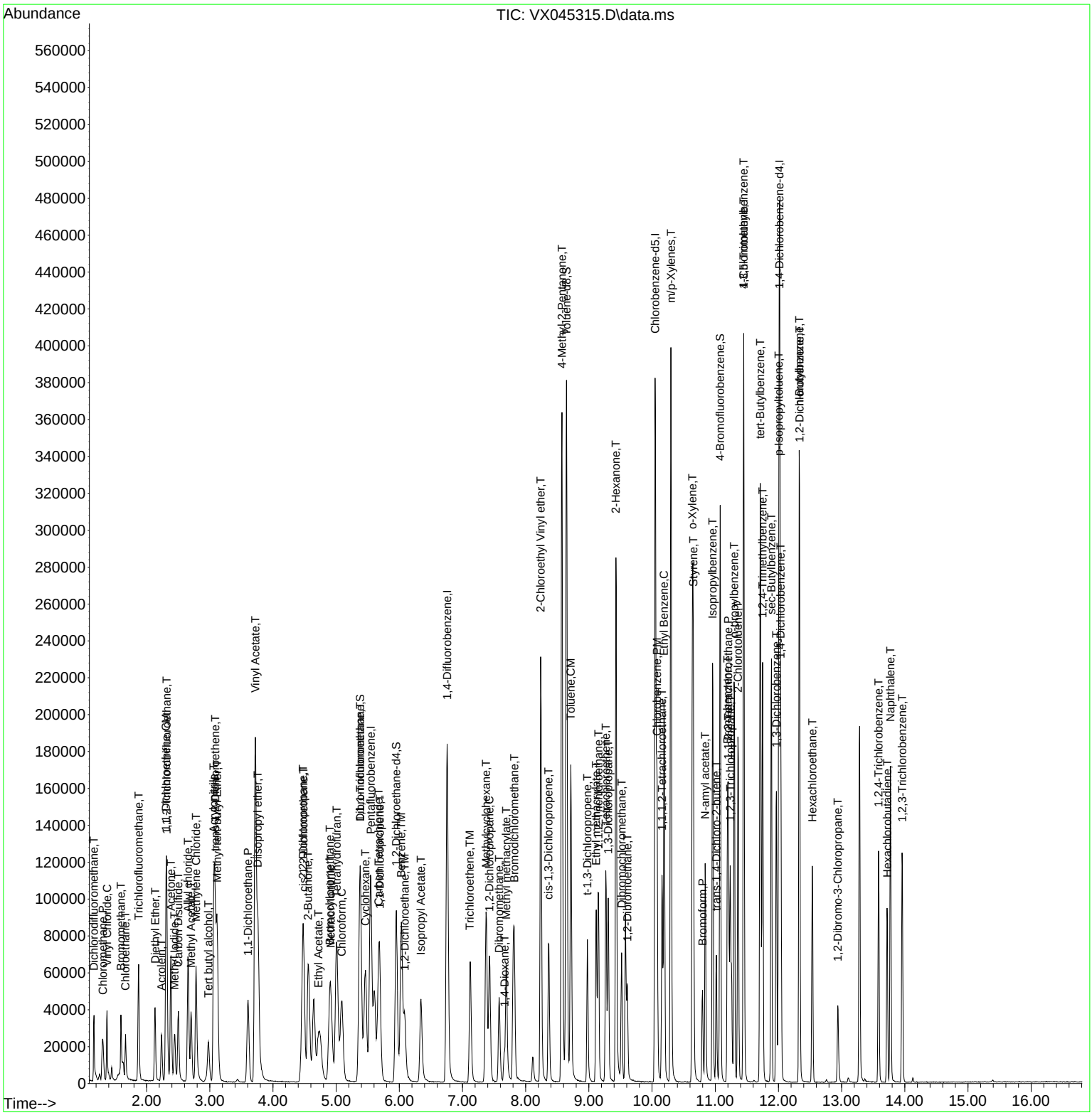
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

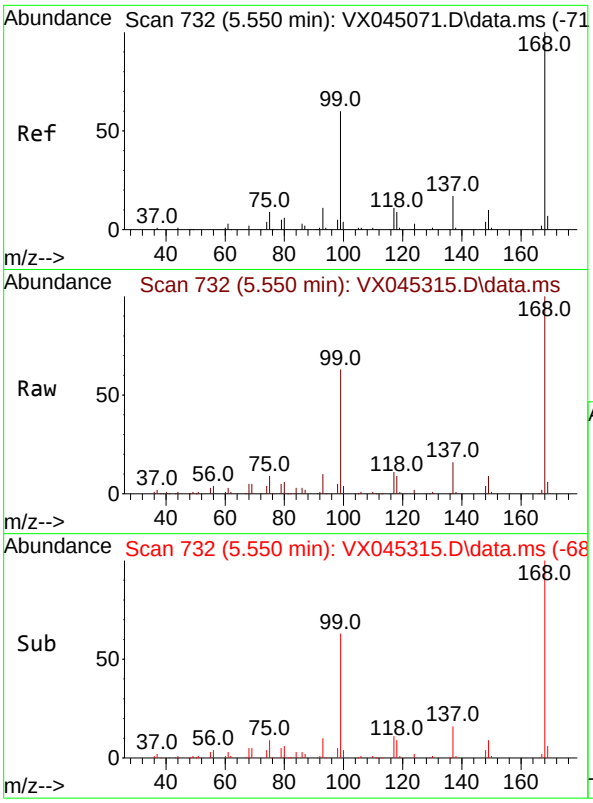
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045315.D
Acq On : 18 Mar 2025 11:16
Operator : JC/MD
Sample : VX0318WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Quant Time: Mar 19 01:40:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



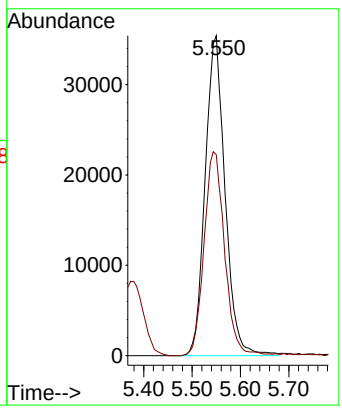


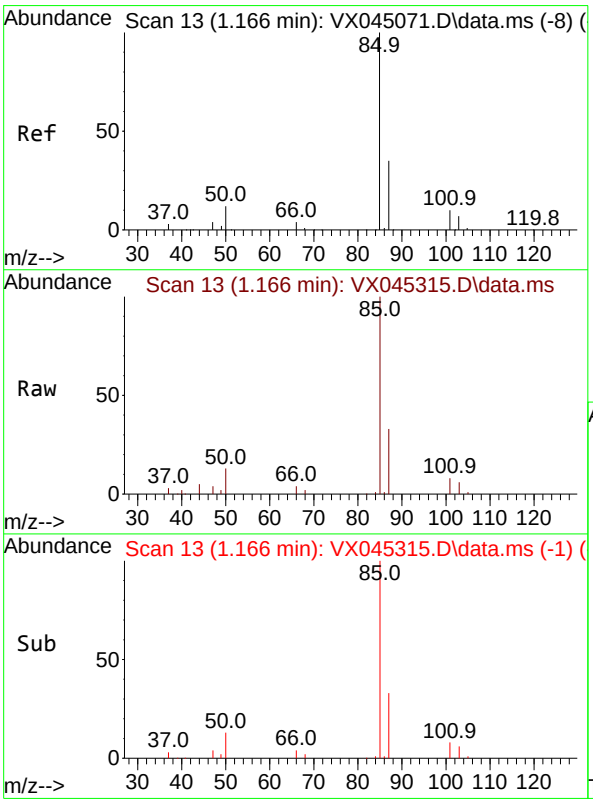
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:168 Resp: 101216

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.2	72.4

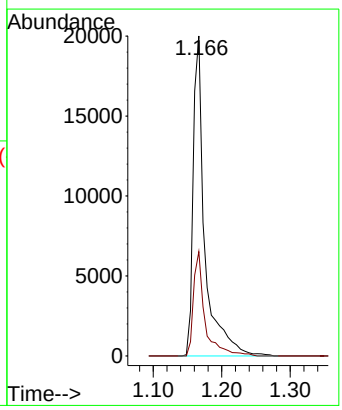


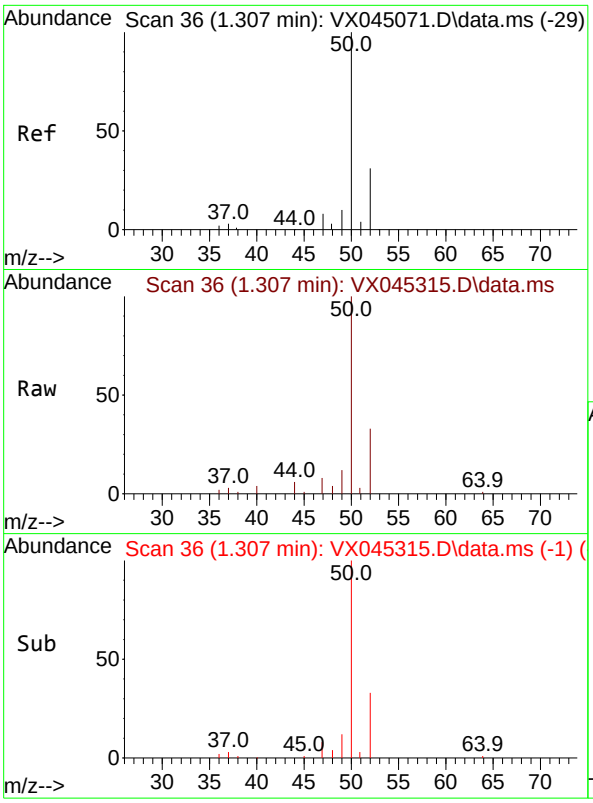


#2
Dichlorodifluoromethane
Concen: 18.561 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 85 Resp: 23648

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3



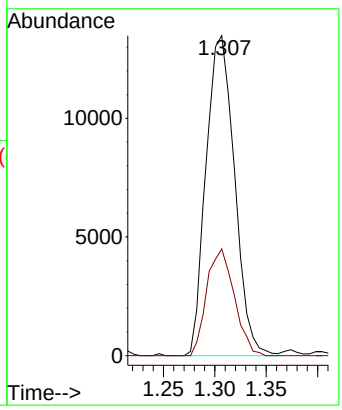


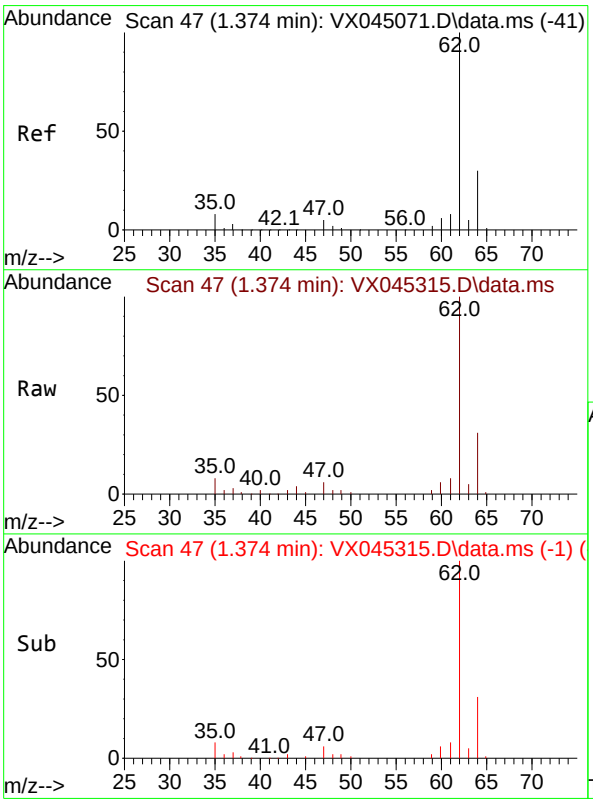
#3
Chloromethane
Concen: 16.714 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 50 Resp: 26060

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.0	37.4

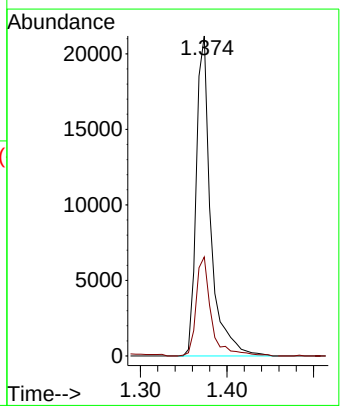


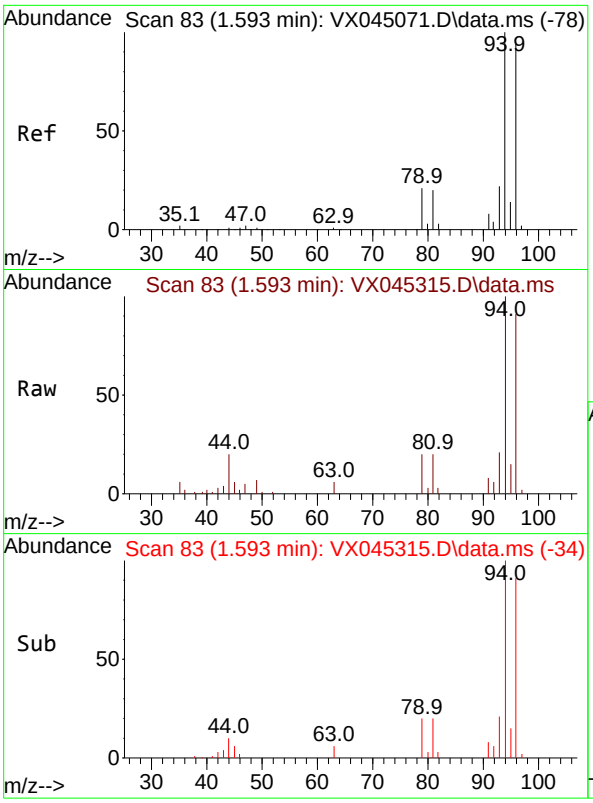


#4
Vinyl Chloride
Concen: 15.895 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 62 Resp: 24585

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.3	36.5



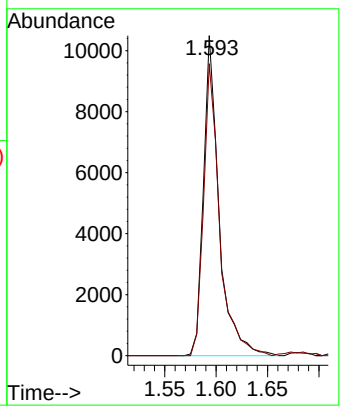


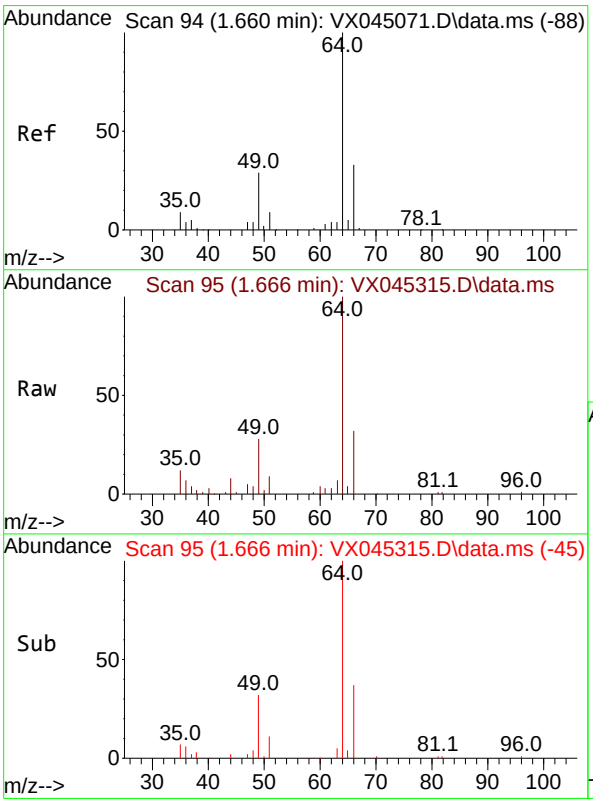
#5
Bromomethane
Concen: 18.232 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 94 Resp: 11086

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

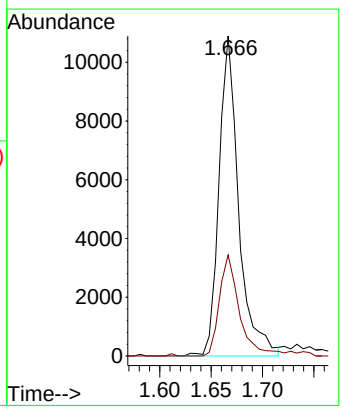


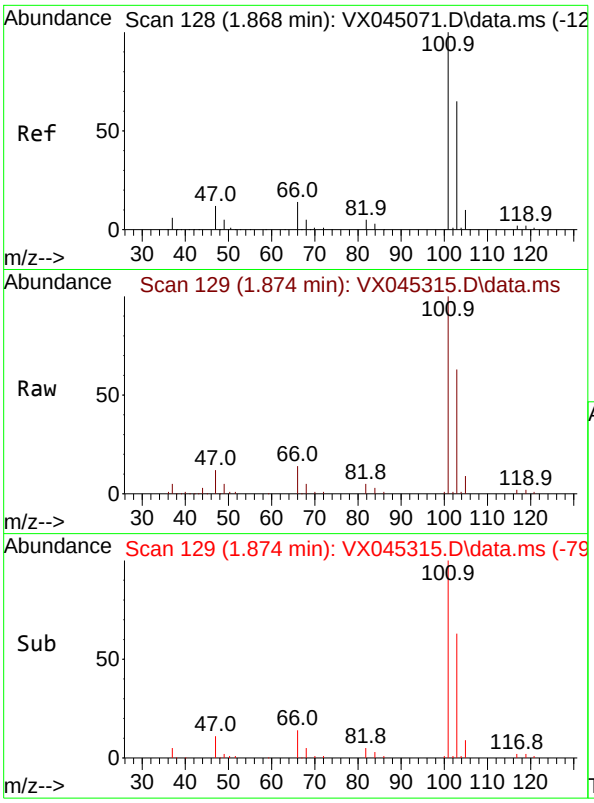


#6
Chloroethane
Concen: 20.285 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 64 Resp: 14472

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.7	40.1



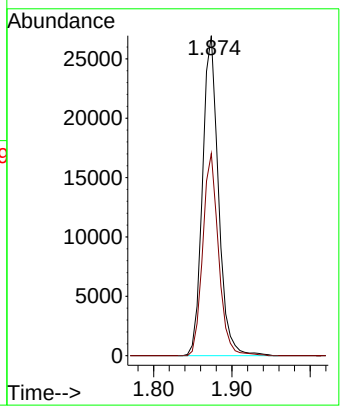


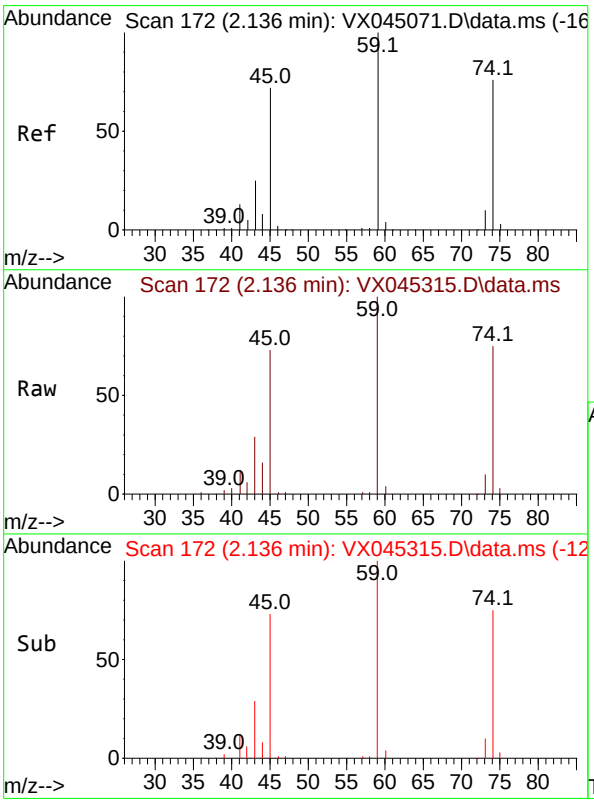
#7
Trichlorofluoromethane
Concen: 18.613 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:101 Resp: 38112

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1

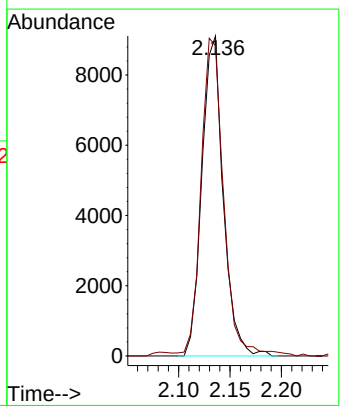


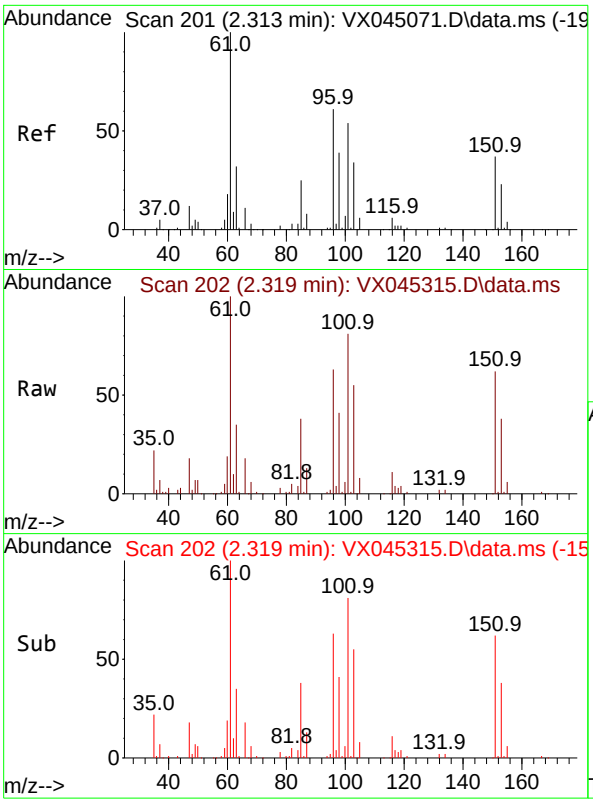


#8
Diethyl Ether
Concen: 16.415 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 74 Resp: 13147

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



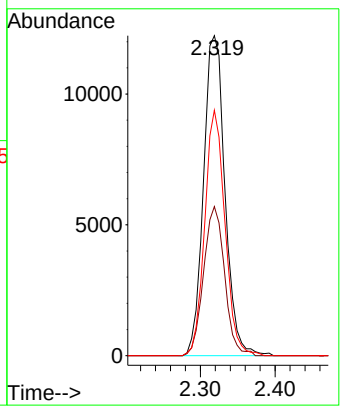


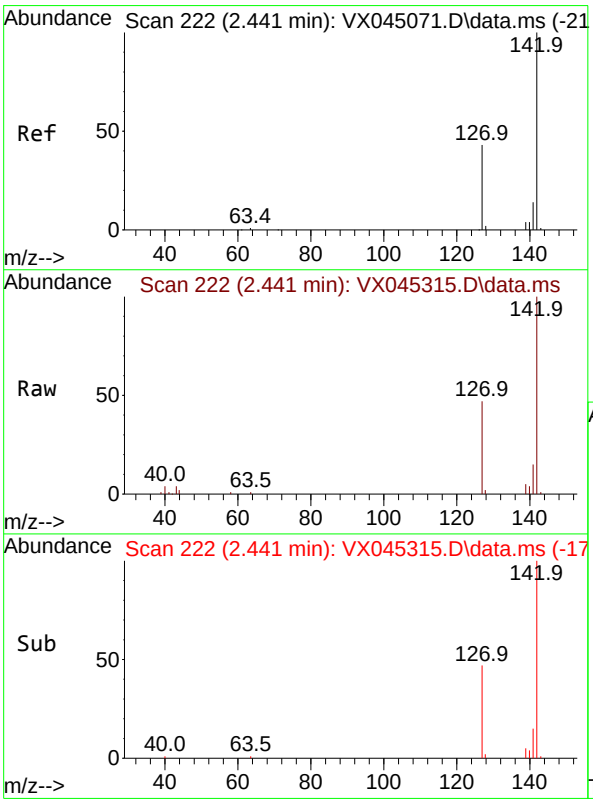
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.751 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:101 Resp: 24411

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	72.4	56.4	84.6

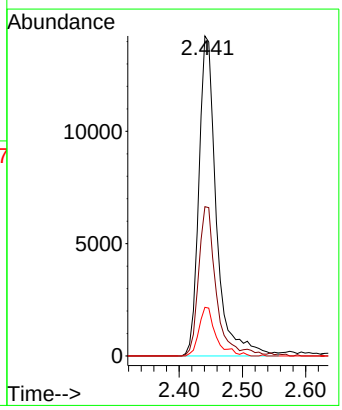


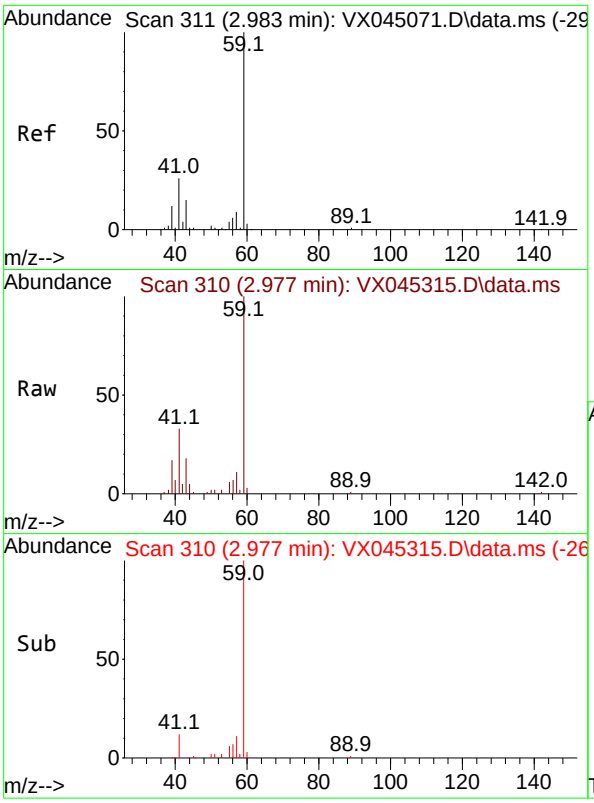


#10
Methyl Iodide
Concen: 18.736 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:142 Resp: 27544

Ion	Ratio	Lower	Upper
142	100		
127	47.0	35.4	53.2
141	14.7	11.6	17.4



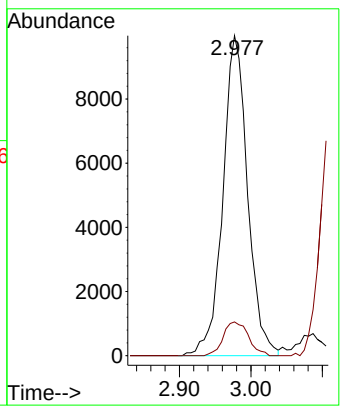


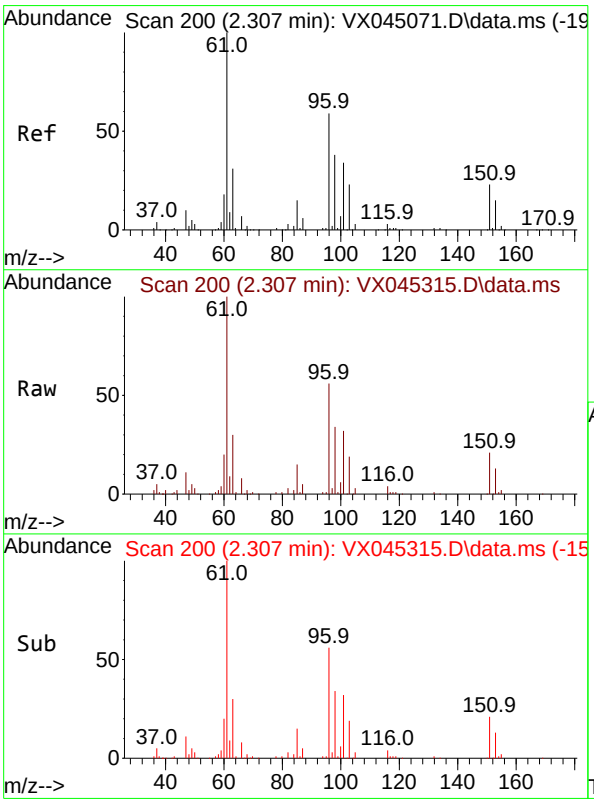
#11
Tert butyl alcohol
Concen: 78.575 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 59 Resp: 23962

Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8

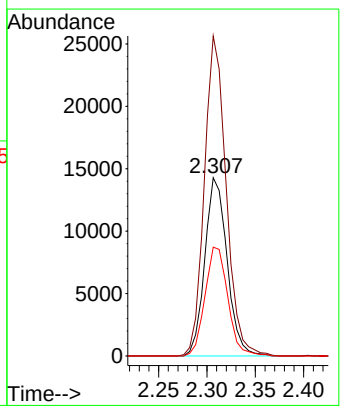


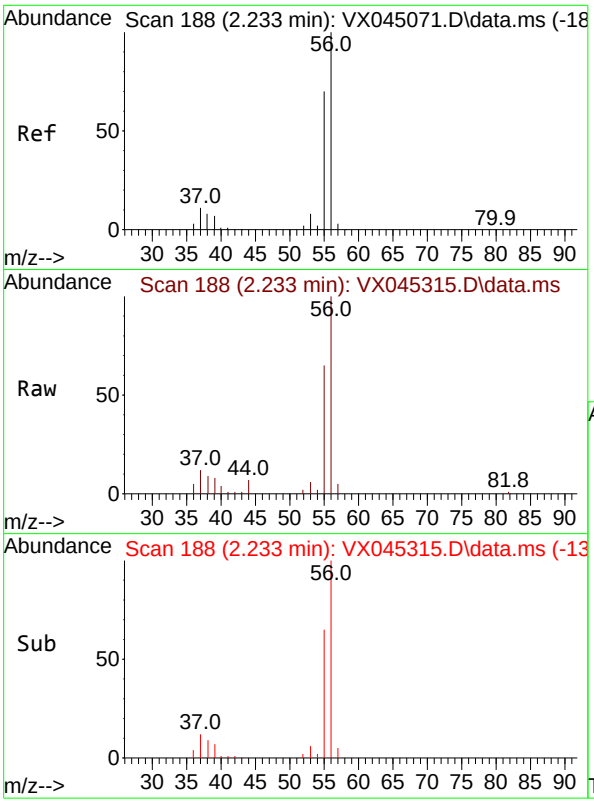


#12
1,1-Dichloroethene
Concen: 18.466 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 96 Resp: 22967

Ion	Ratio	Lower	Upper
96	100		
61	179.5	134.6	202.0
98	61.0	51.0	76.6



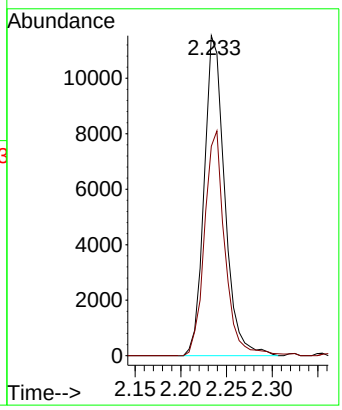


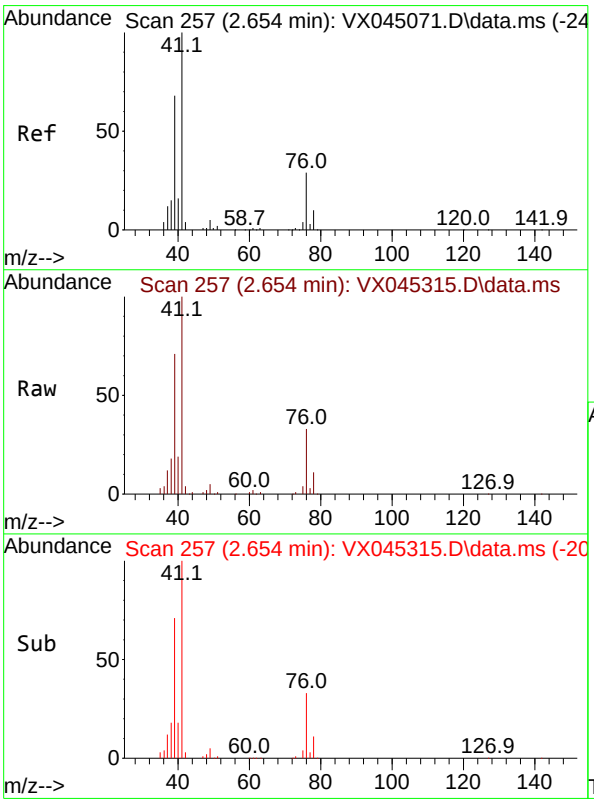
#13
Acrolein
Concen: 51.080 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 56 Resp: 18007

Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.2	84.4

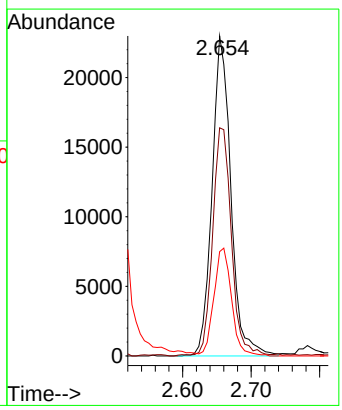


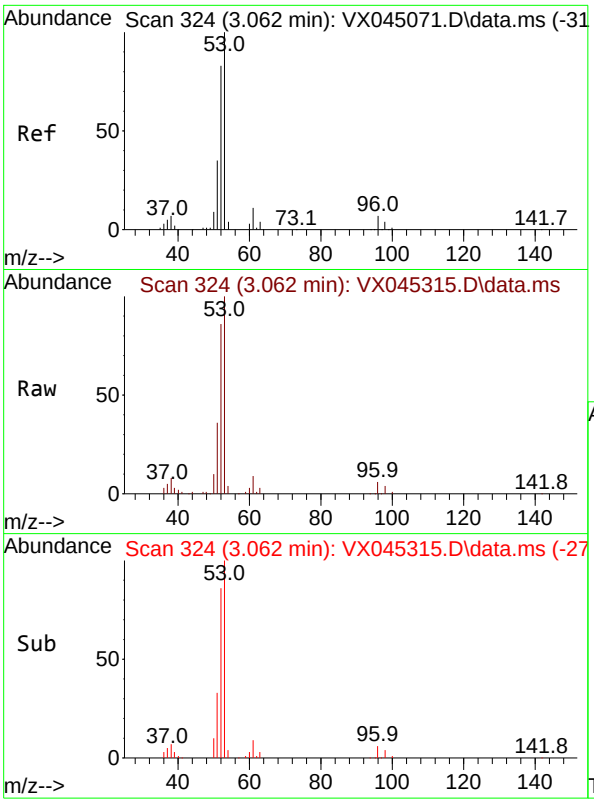


#14
Allyl chloride
Concen: 19.808 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 41 Resp: 43853

Ion	Ratio	Lower	Upper
41	100		
39	71.2	53.8	80.8
76	31.6	25.2	37.8



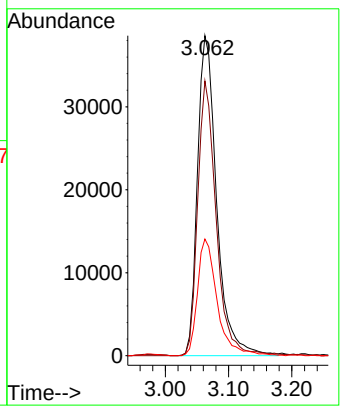


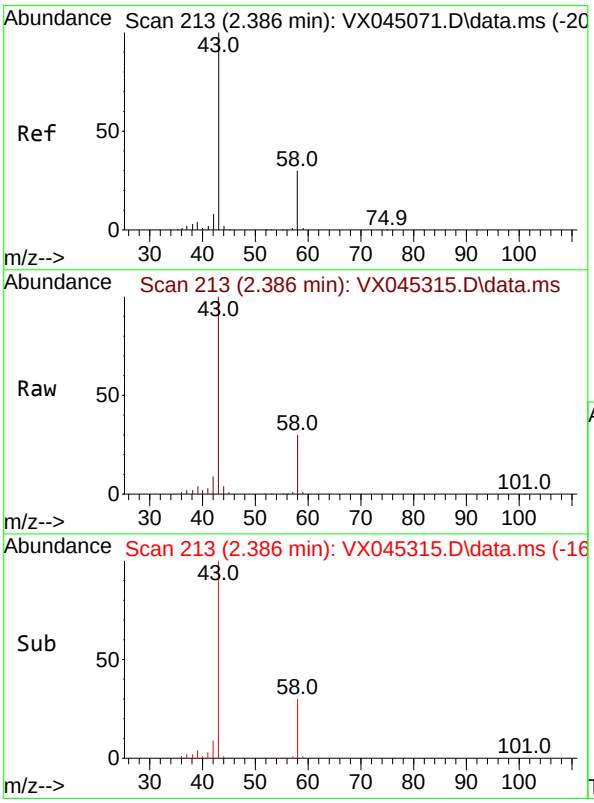
#15
Acrylonitrile
Concen: 99.811 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 53 Resp: 81578

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	37.5	29.0	43.4

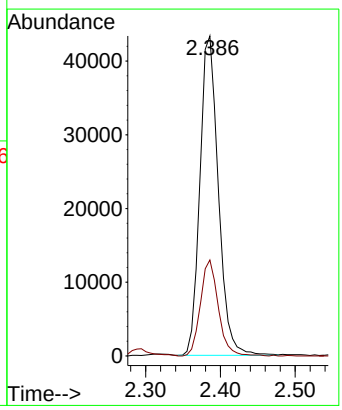


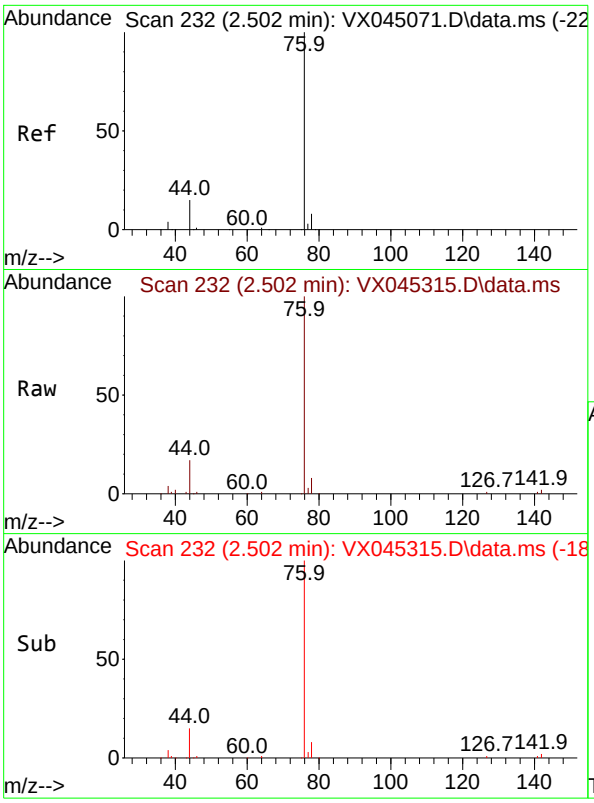


#16
Acetone
Concen: 99.433 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 74275

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4



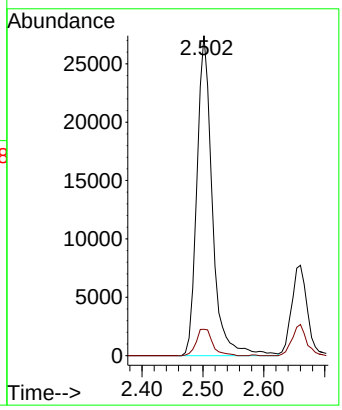


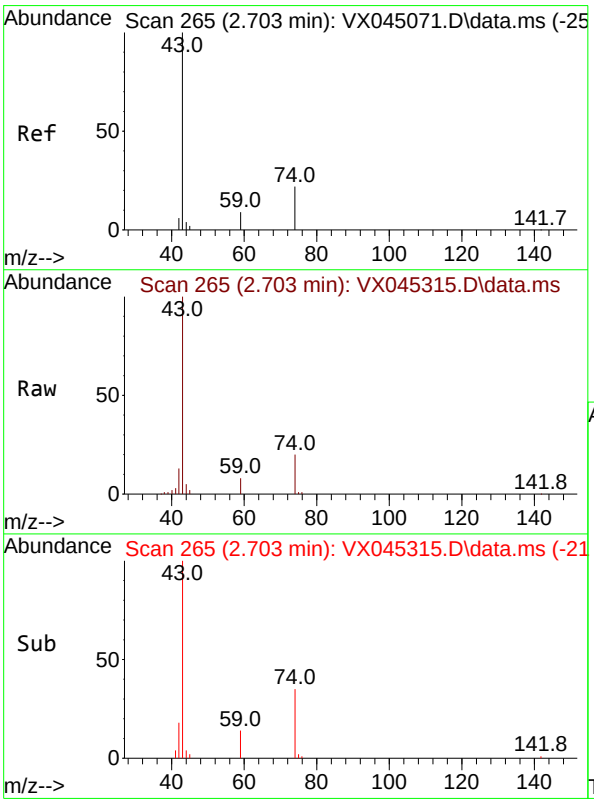
#17
Carbon Disulfide
Concen: 14.570 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 76 Resp: 48265

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

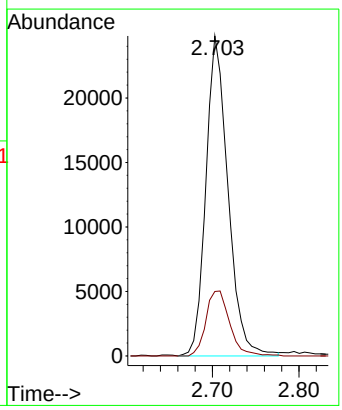


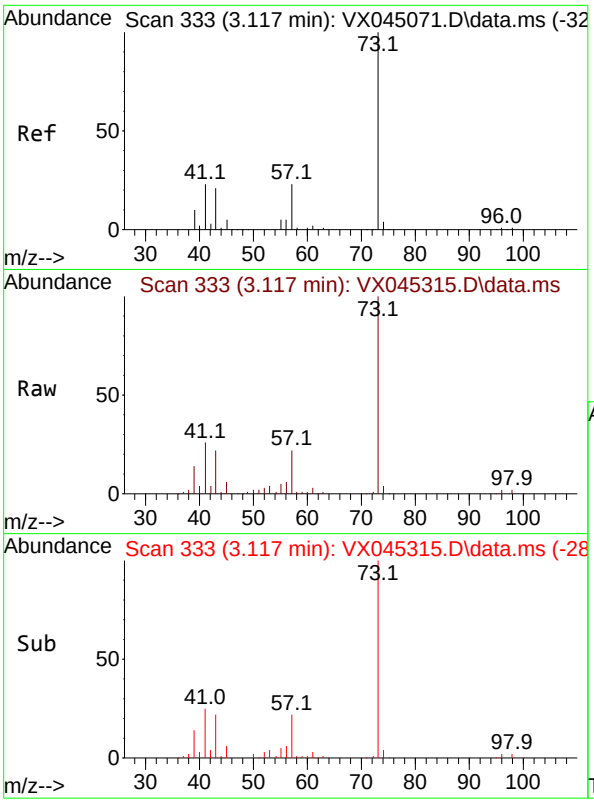


#18
Methyl Acetate
Concen: 24.493 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 44014

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



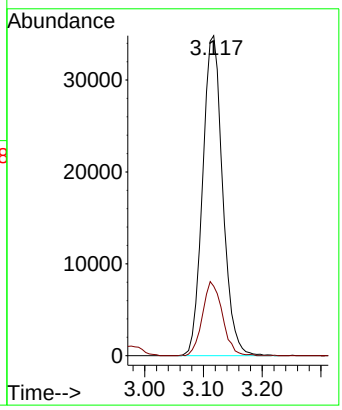


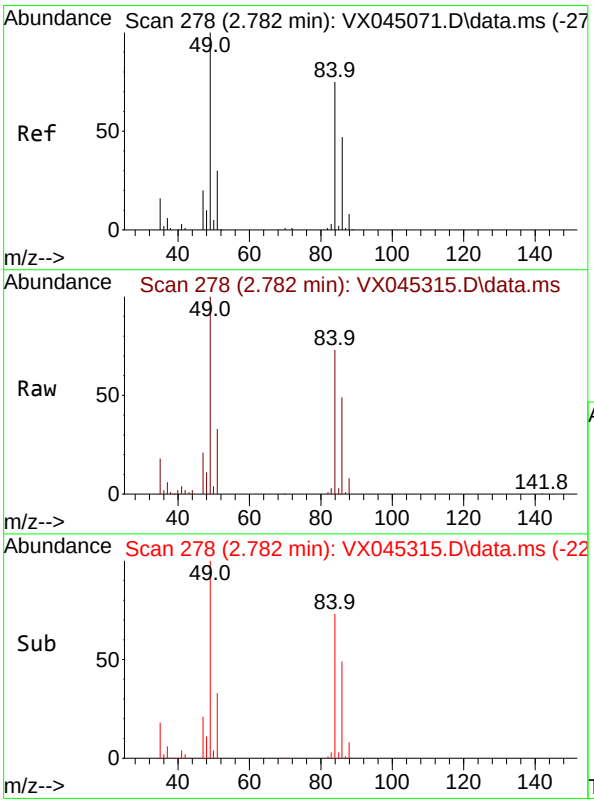
#19
Methyl tert-butyl Ether
Concen: 19.773 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 73 Resp: 82507

Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7

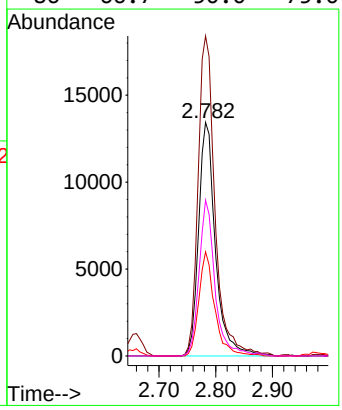


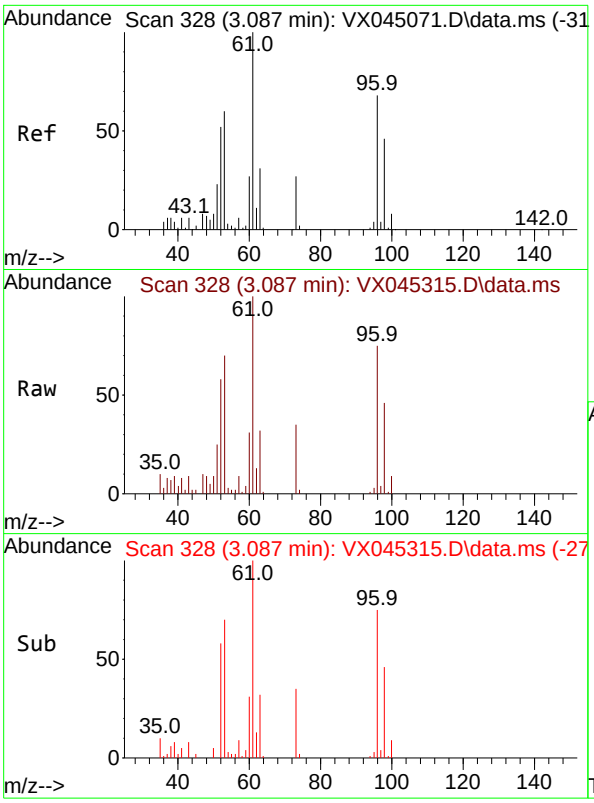


#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 84 Resp: 27791

Ion	Ratio	Lower	Upper
84	100		
49	137.0	106.5	159.7
51	44.6	32.1	48.1
86	66.7	50.0	75.0



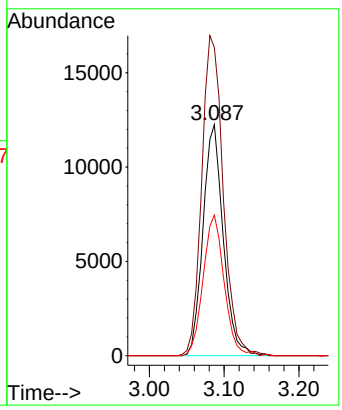


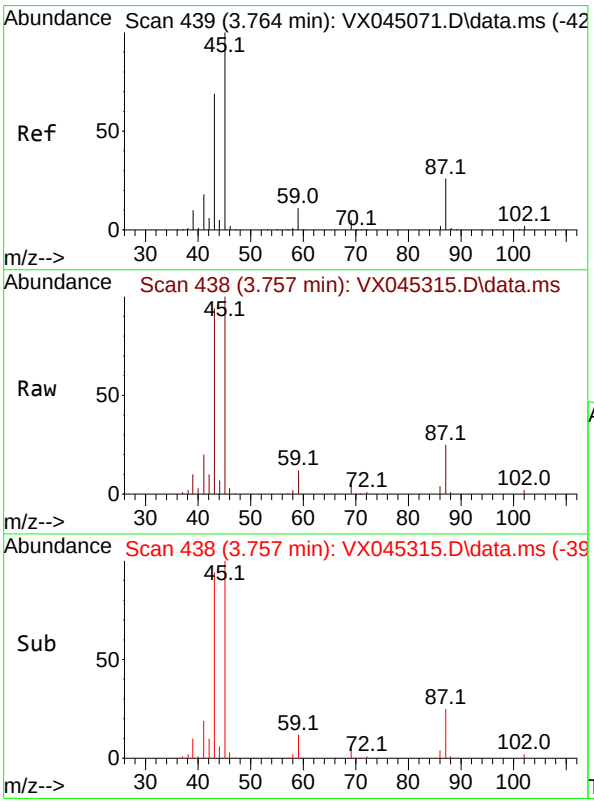
#21
trans-1,2-Dichloroethene
Concen: 18.742 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 96 Resp: 23029

Ion	Ratio	Lower	Upper
96	100		
61	133.5	117.0	175.4
98	60.9	53.4	80.2

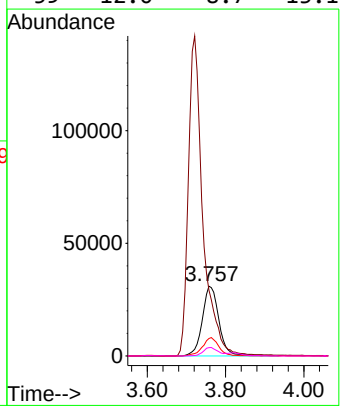


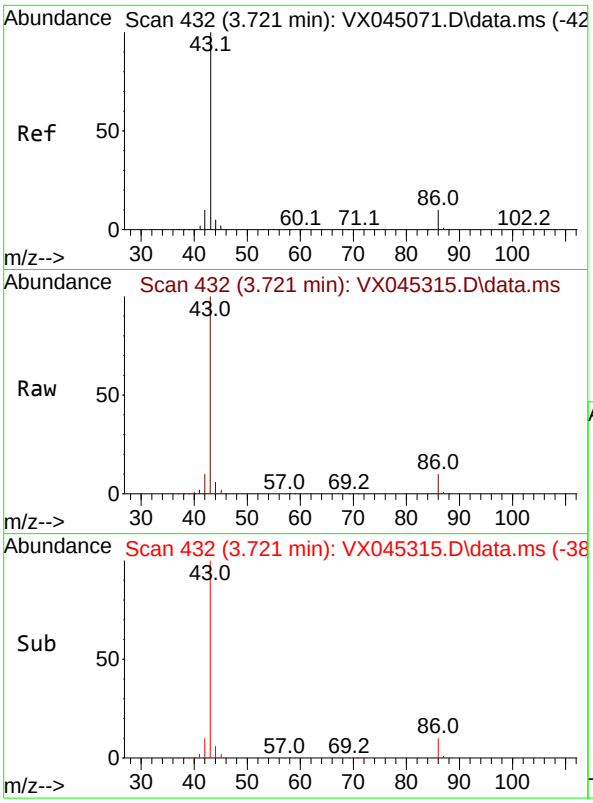


#22
Diisopropyl ether
Concen: 20.287 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 45 Resp: 91341

Ion	Ratio	Lower	Upper
45	100		
43	93.3	54.9	82.3#
87	25.1	21.0	31.4
59	12.0	8.7	13.1



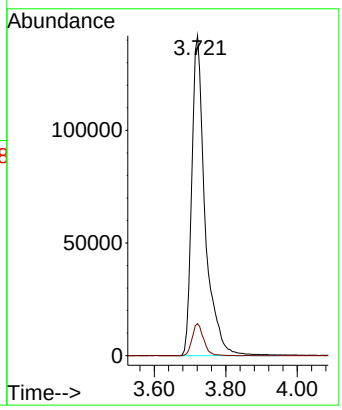


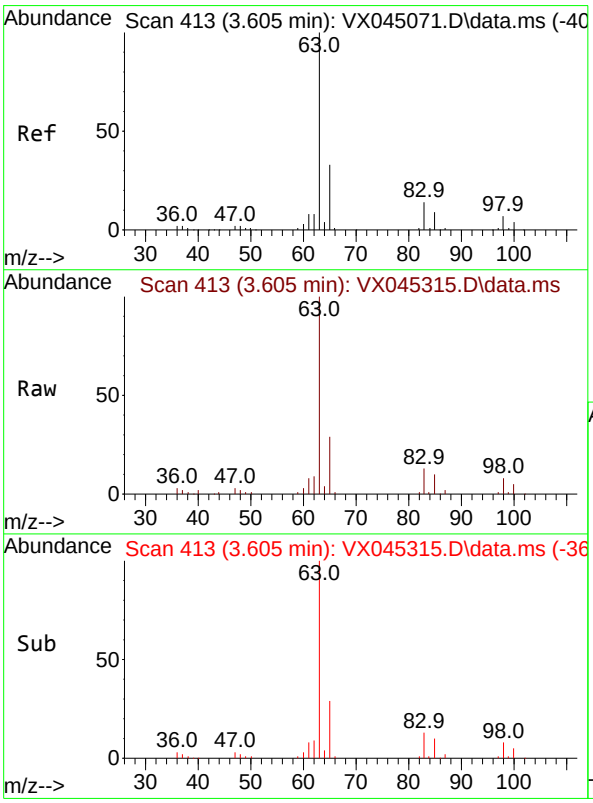
#23
Vinyl Acetate
Concen: 98.077 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 368514

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

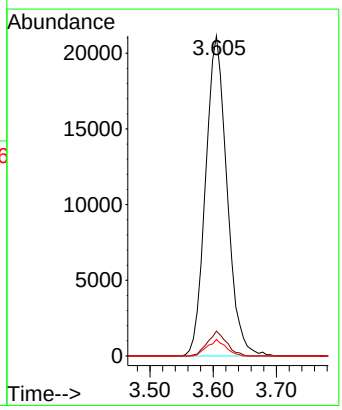


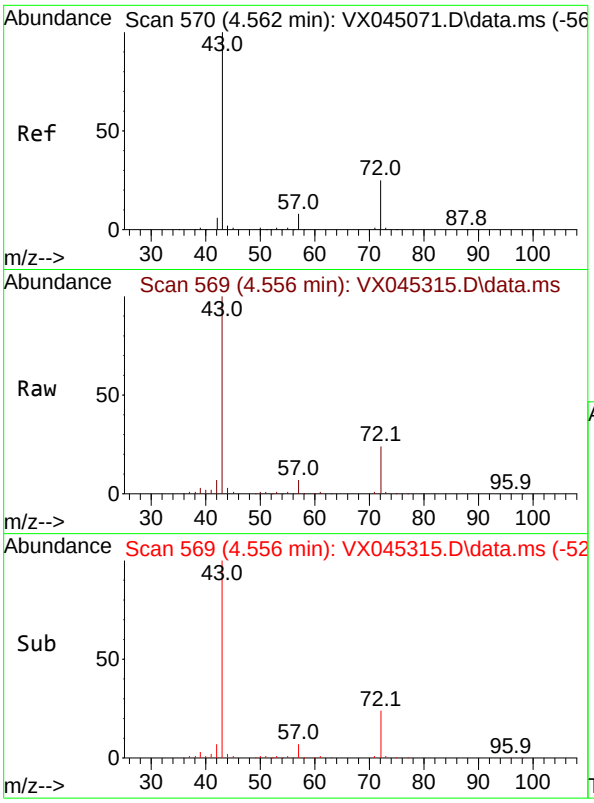


#24
1,1-Dichloroethane
Concen: 19.695 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 63 Resp: 49698

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	5.1	2.1	6.5



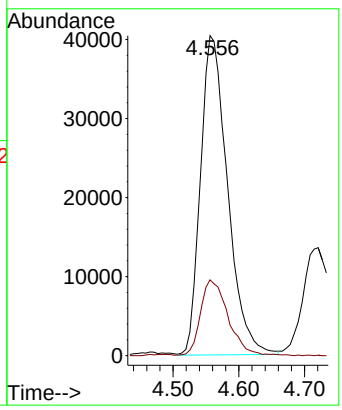


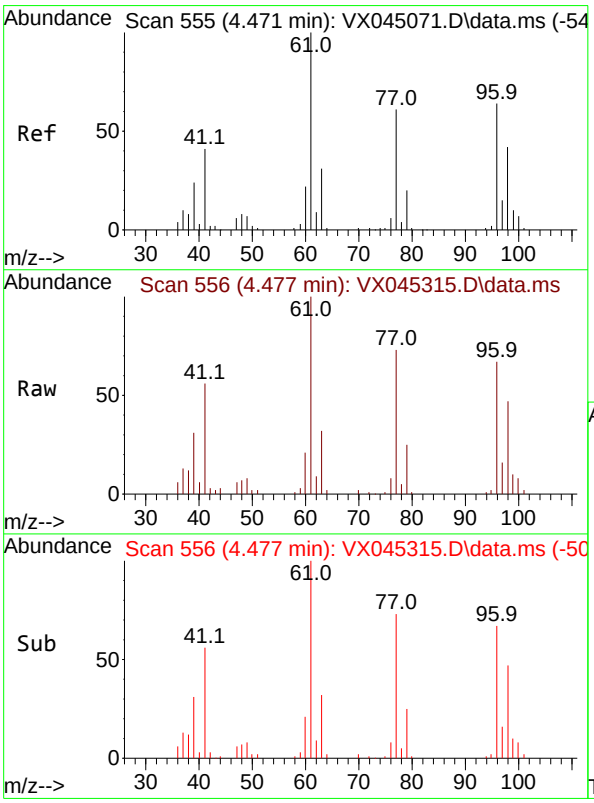
#25
2-Butanone
Concen: 102.970 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 115779

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

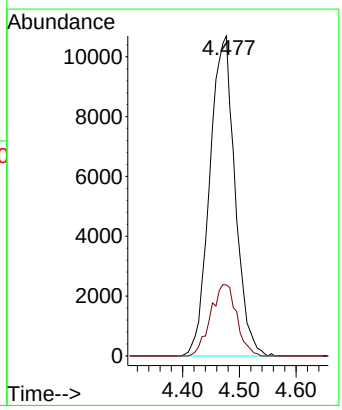


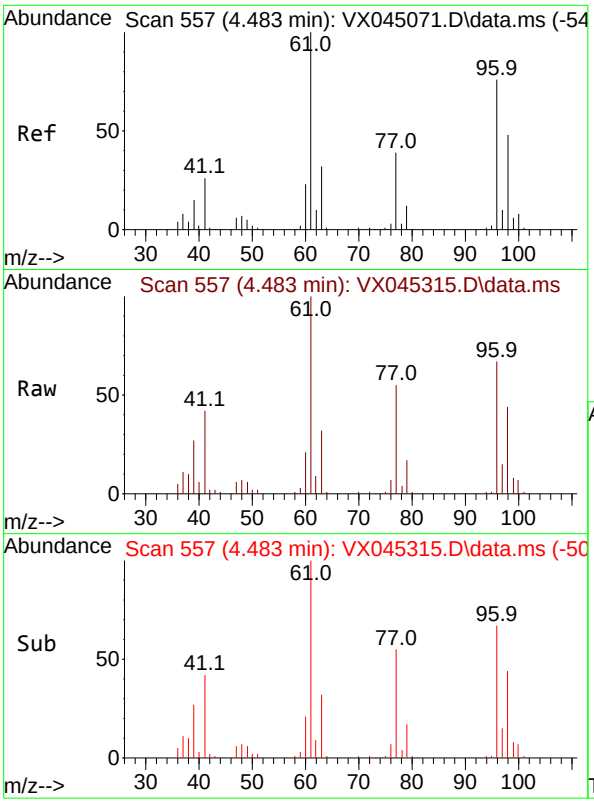


#26
2,2-Dichloropropane
Concen: 27.919 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 77 Resp: 33045

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0



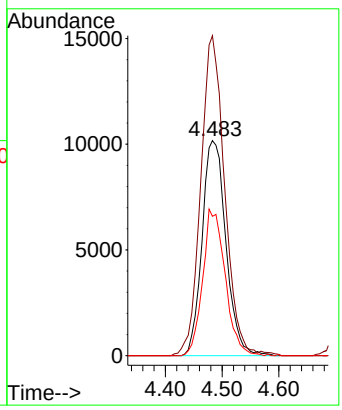


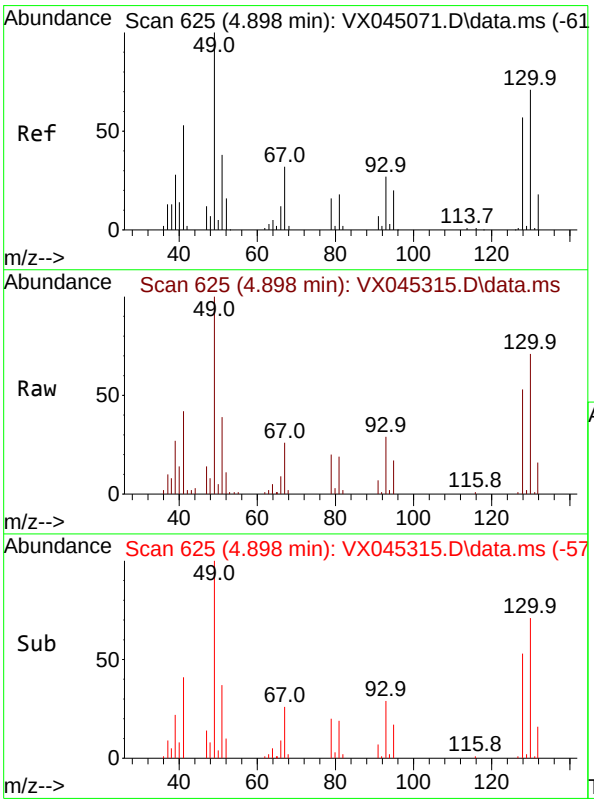
#27
cis-1,2-Dichloroethene
Concen: 19.599 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 96 Resp: 29728

Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	283.2
98	64.1	0.0	128.0

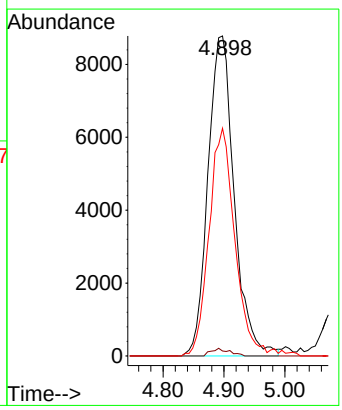


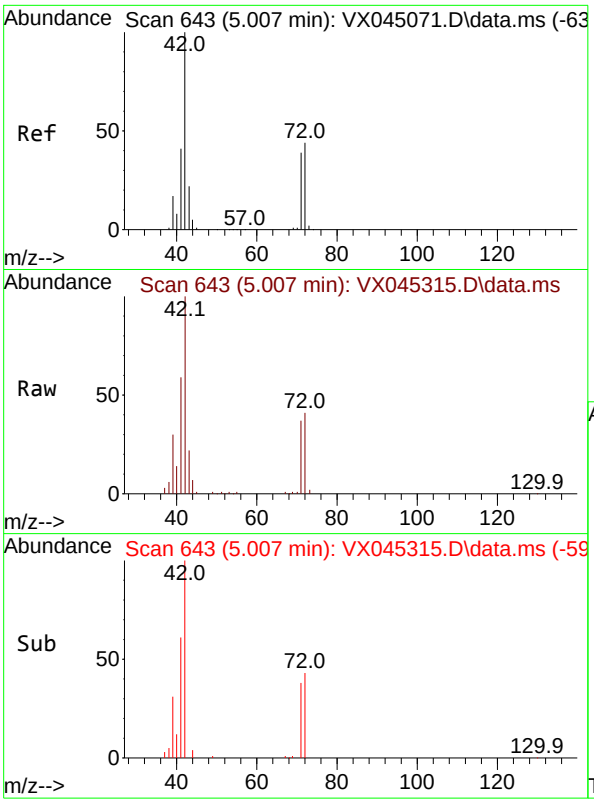


#28
Bromochloromethane
Concen: 21.837 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 49 Resp: 26265

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.8	56.1	84.1



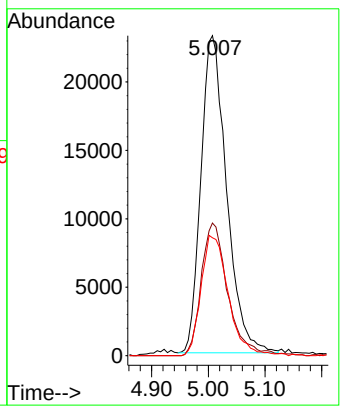


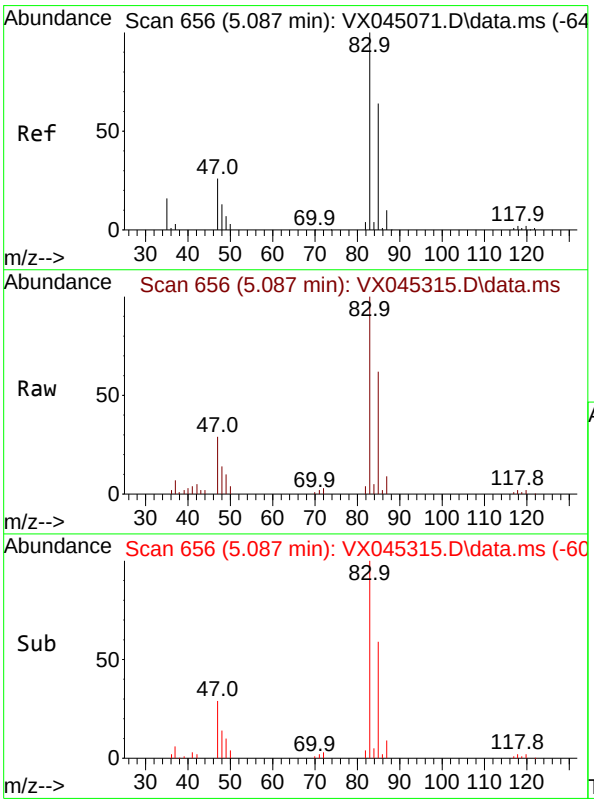
#29
Tetrahydrofuran
Concen: 96.628 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 42 Resp: 72963

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.1	51.1
71	39.9	31.4	47.0

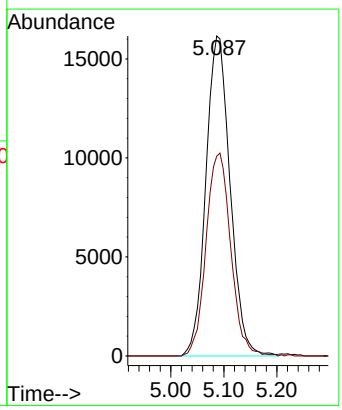


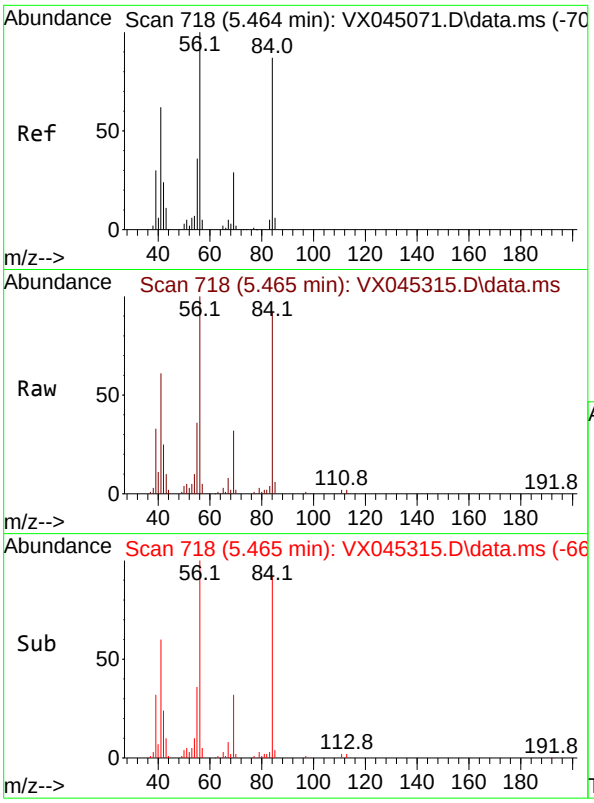


#30
Chloroform
Concen: 20.477 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 83 Resp: 51341

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



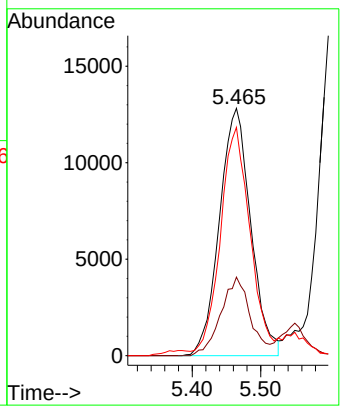


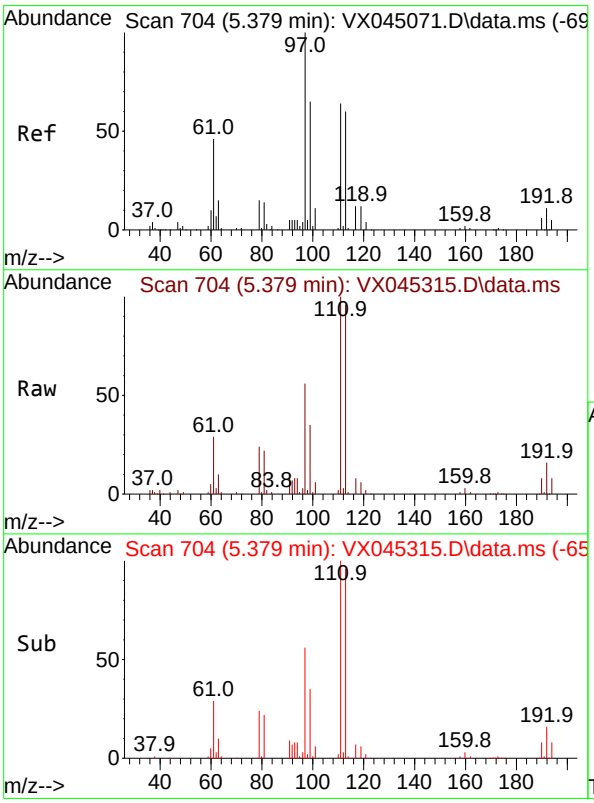
#31
Cyclohexane
Concen: 18.606 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 56 Resp: 40755

Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.4	35.2
84	90.3	69.4	104.2

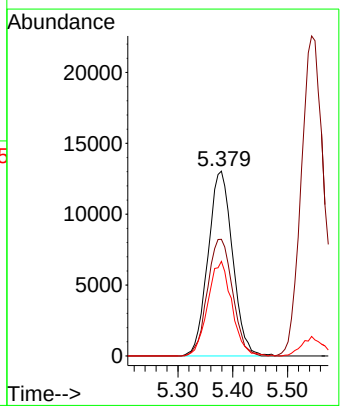


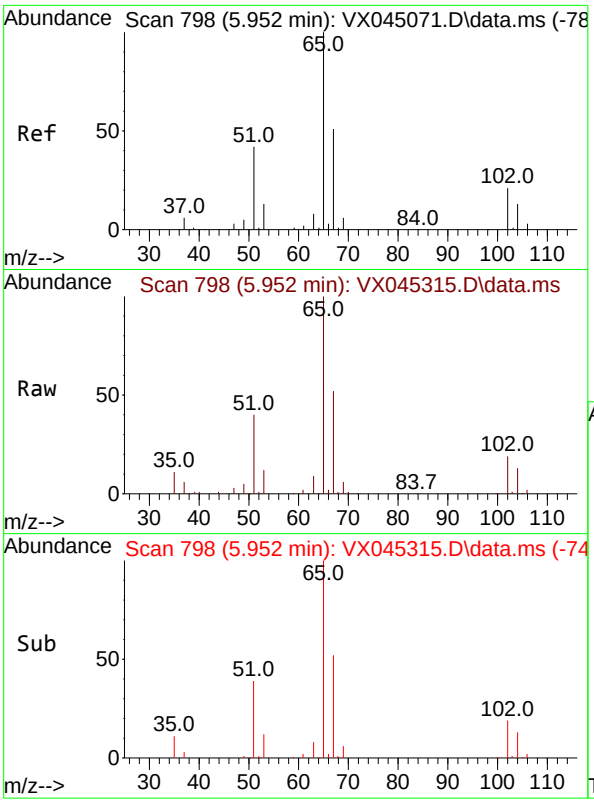


#32
1,1,1-Trichloroethane
Concen: 20.038 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 97 Resp: 40576

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	50.2	38.4	57.6



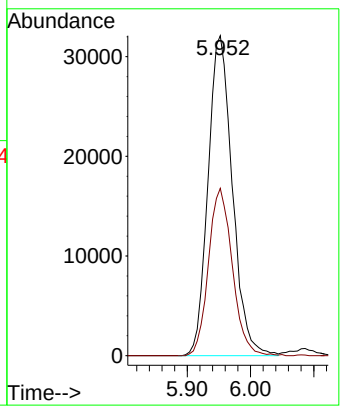


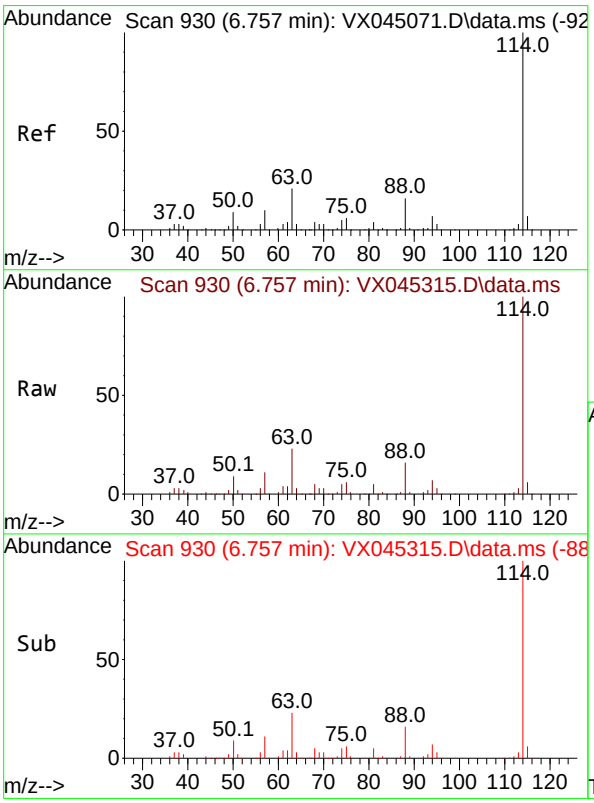
#33
1,2-Dichloroethane-d4
Concen: 53.211 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 65 Resp: 85669

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

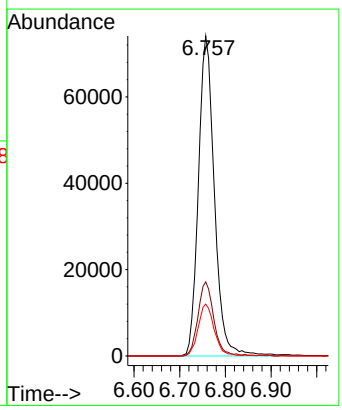


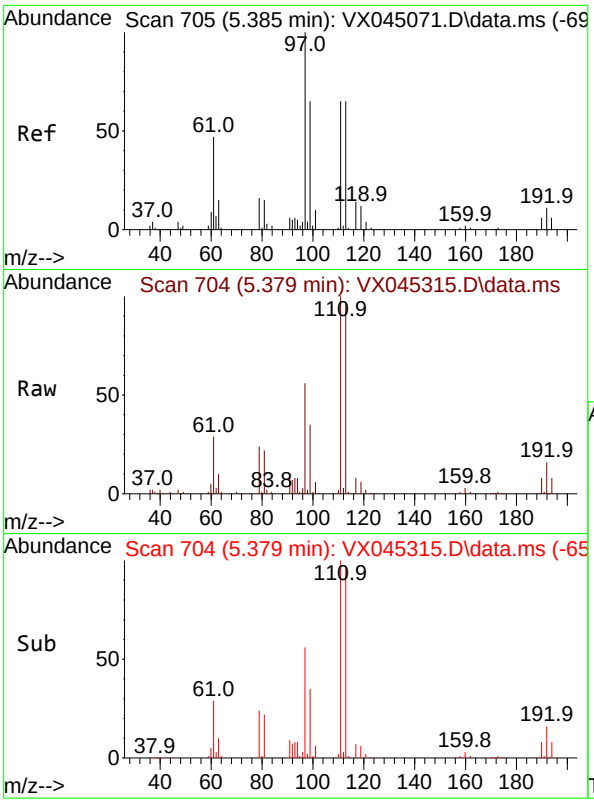


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:114 Resp: 179978

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.2	0.0	32.8



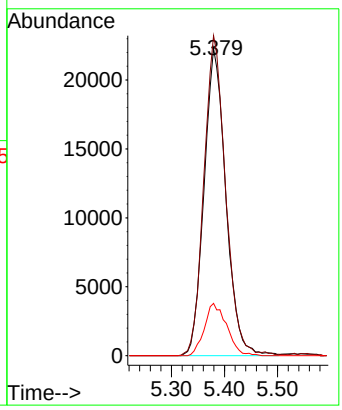


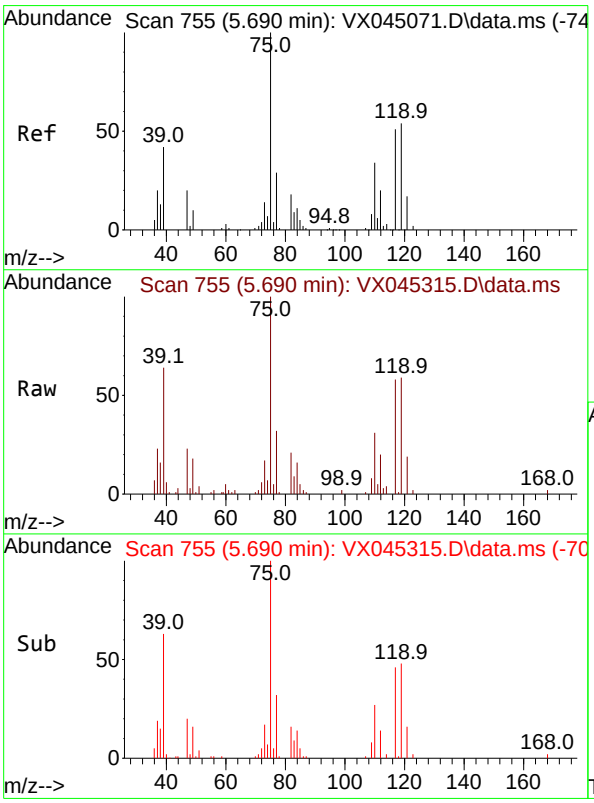
#35
Dibromofluoromethane
Concen: 52.902 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:113 Resp: 63666

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.4	14.3	21.5

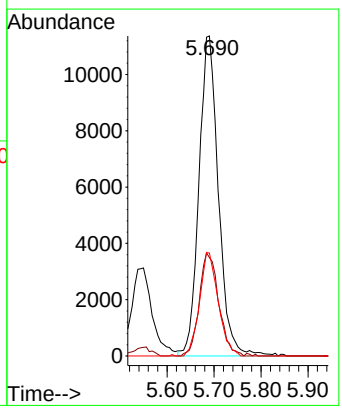


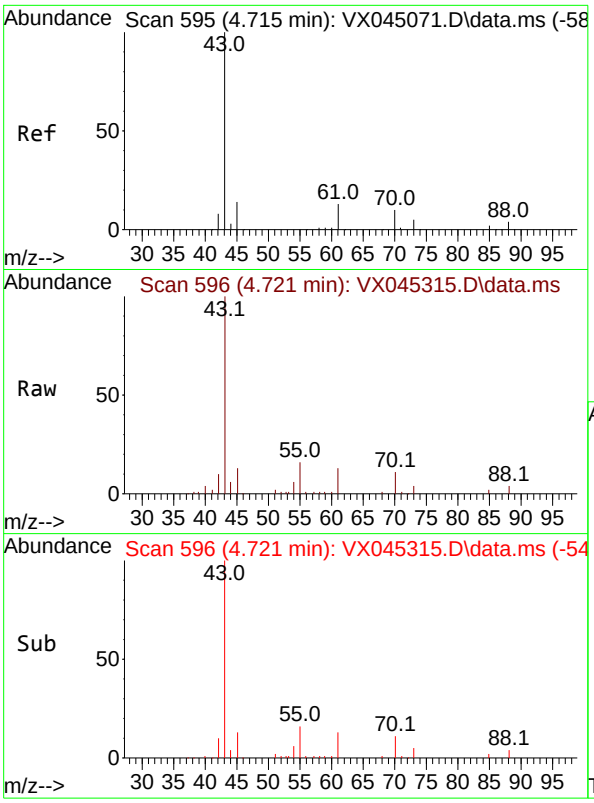


#36
1,1-Dichloropropene
Concen: 19.843 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 32750

Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.9	50.6
77	30.9	24.5	36.7



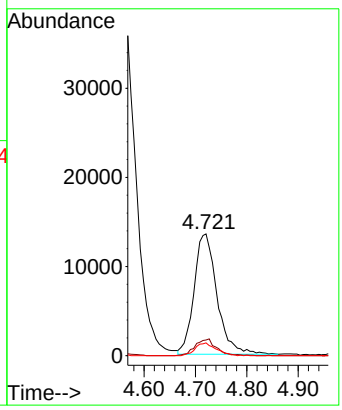


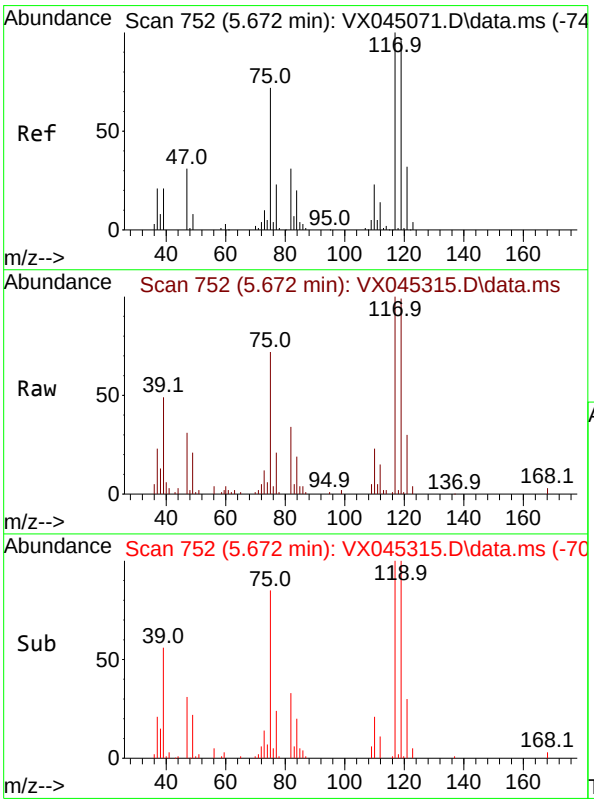
#37
Ethyl Acetate
Concen: 19.701 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 41898

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.8	7.7	11.5

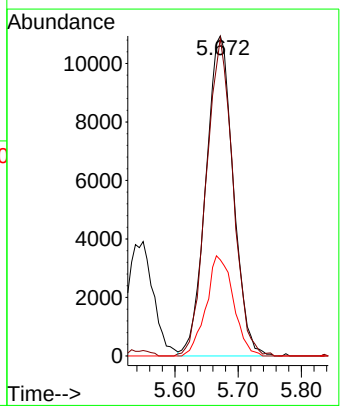


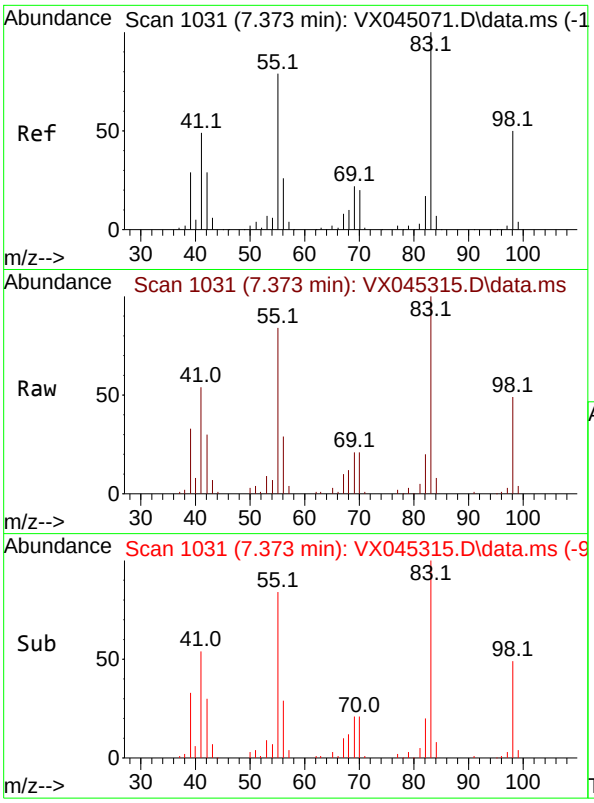


#38
Carbon Tetrachloride
Concen: 19.691 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:117 Resp: 32994

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.7	115.1
121	30.1	25.5	38.3



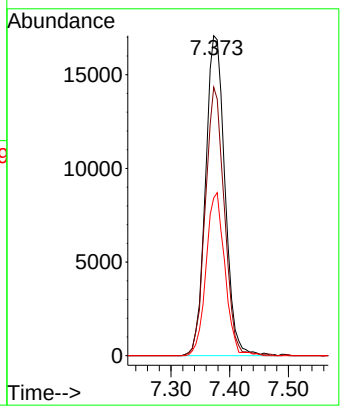


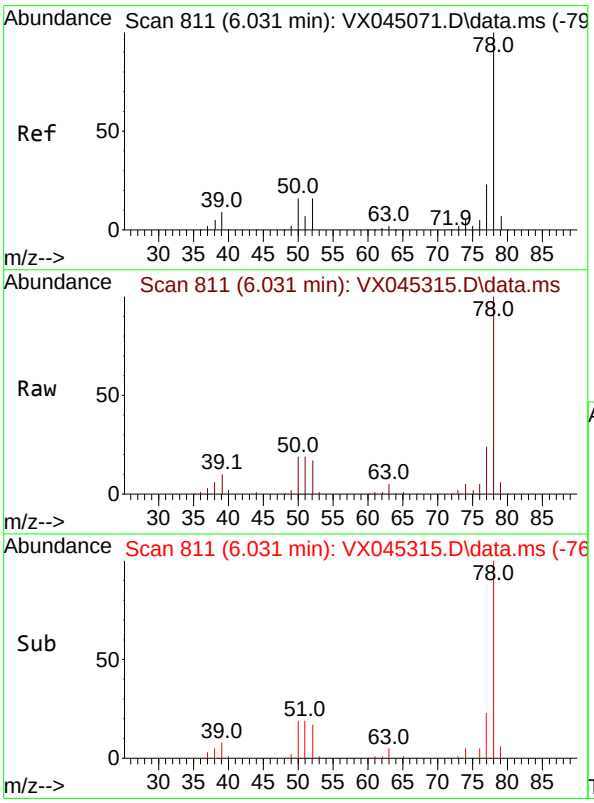
#39
Methylcyclohexane
Concen: 19.833 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 83 Resp: 39221

Ion	Ratio	Lower	Upper
83	100		
55	83.9	63.0	94.4
98	49.3	39.7	59.5

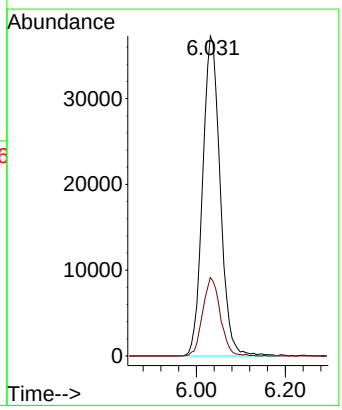


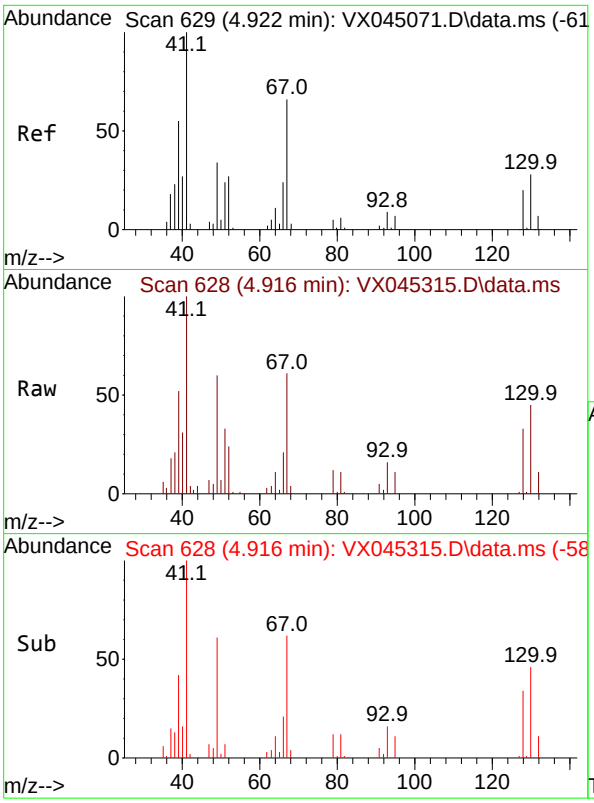


#40
Benzene
Concen: 19.688 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 78 Resp: 102609

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



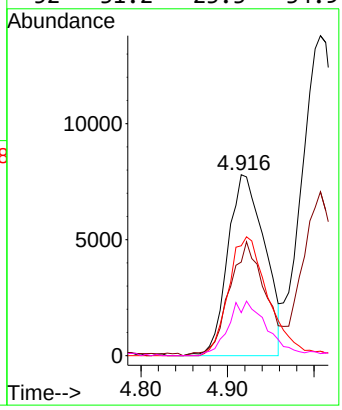


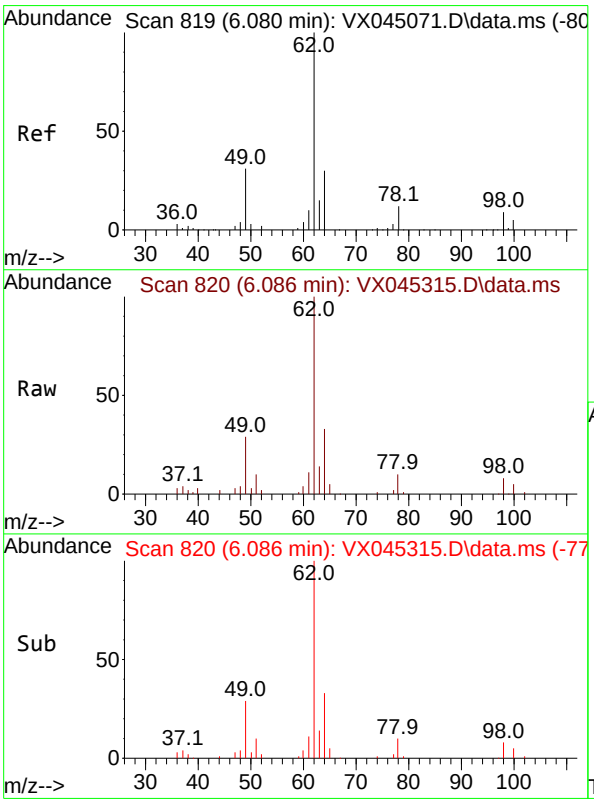
#41
Methacrylonitrile
Concen: 20.079 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 41 Resp: 23090

Ion	Ratio	Lower	Upper
41	100		
39	61.9	44.6	67.0
67	71.0	53.9	80.9
52	31.2	23.3	34.9

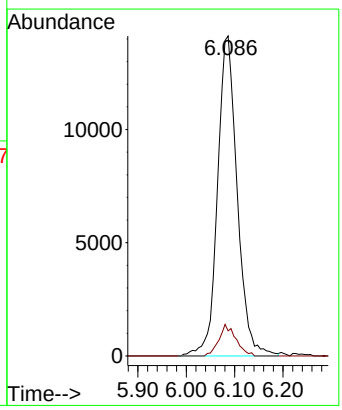


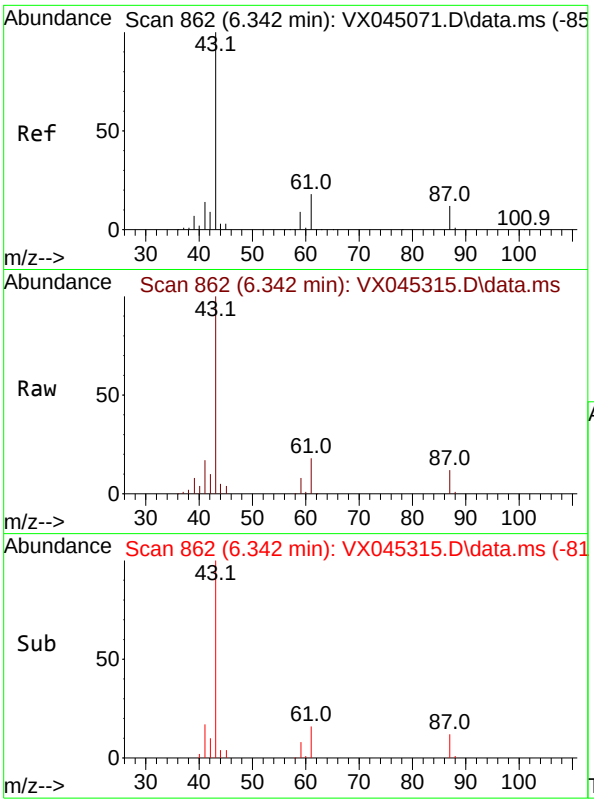


#42
1,2-Dichloroethane
Concen: 21.290 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 62 Resp: 39956

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



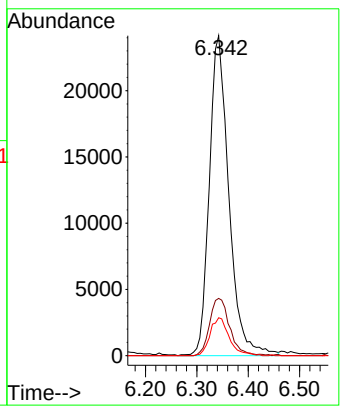


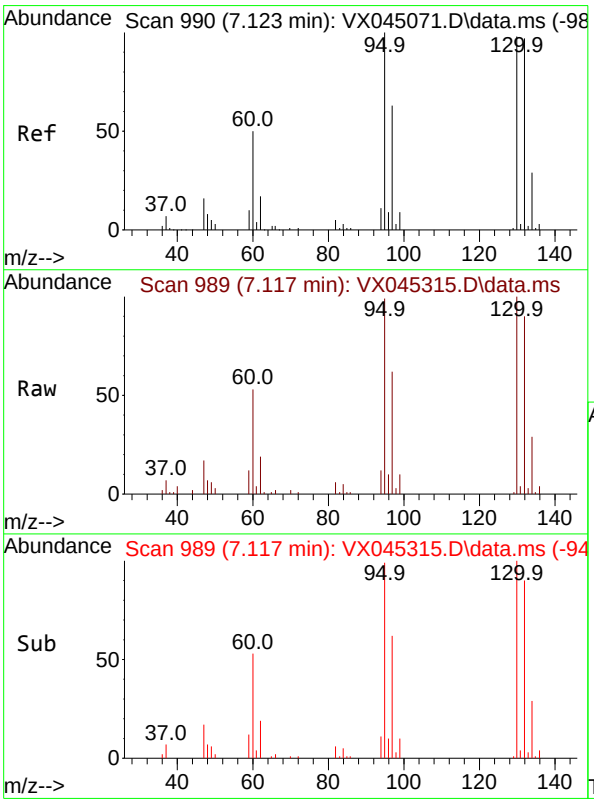
#43
Isopropyl Acetate
Concen: 20.338 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 63959

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.6	9.4	14.2

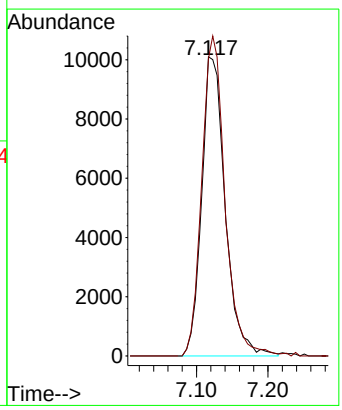


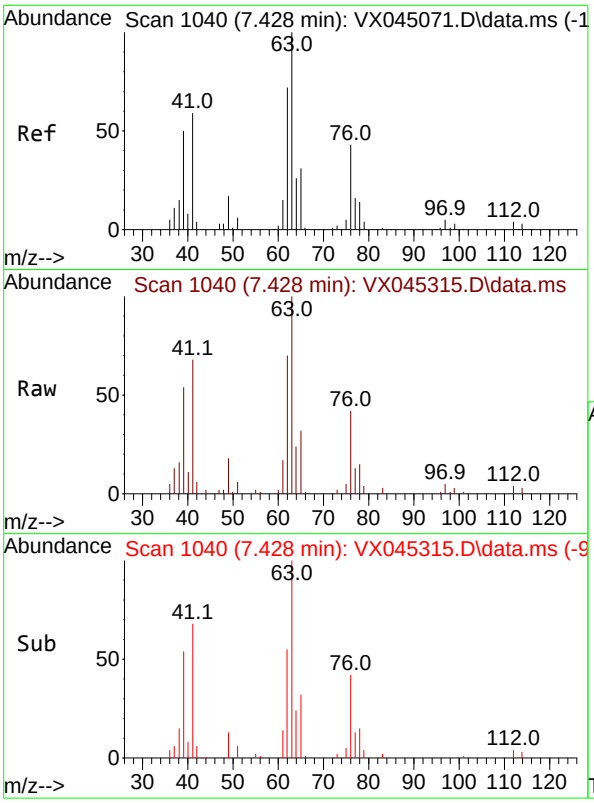


#44
Trichloroethene
Concen: 18.874 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:130 Resp: 23097

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



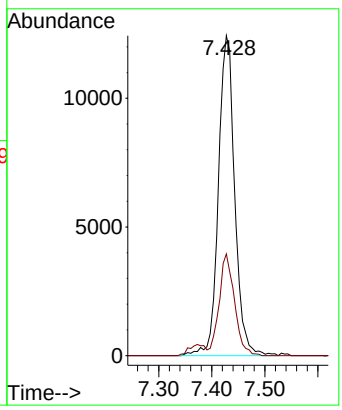


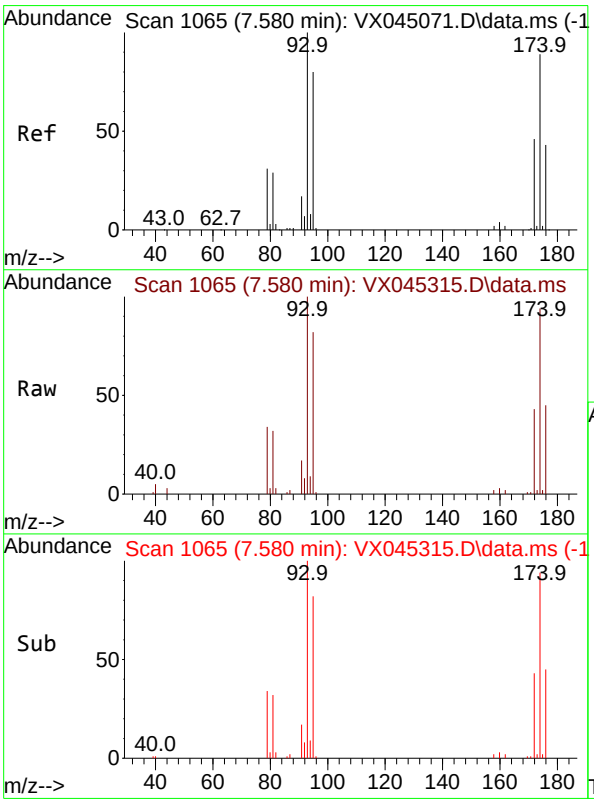
#45
1,2-Dichloropropane
Concen: 19.844 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 63 Resp: 26591

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.7	37.1

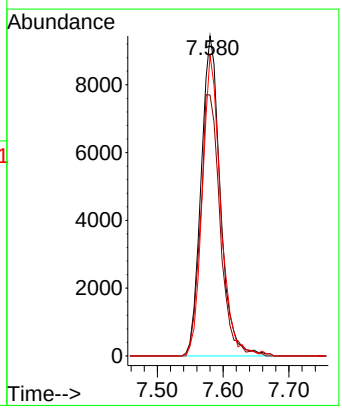


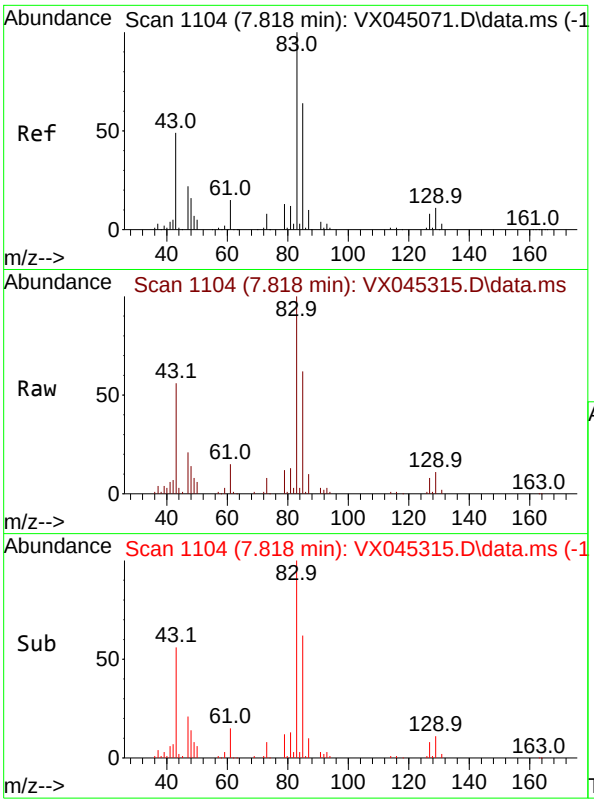


#46
Dibromomethane
Concen: 20.282 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 93 Resp: 19209

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.8
174	89.8	72.2	108.2



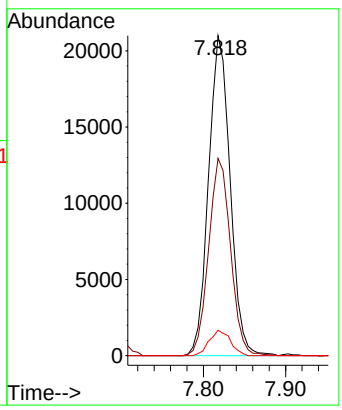


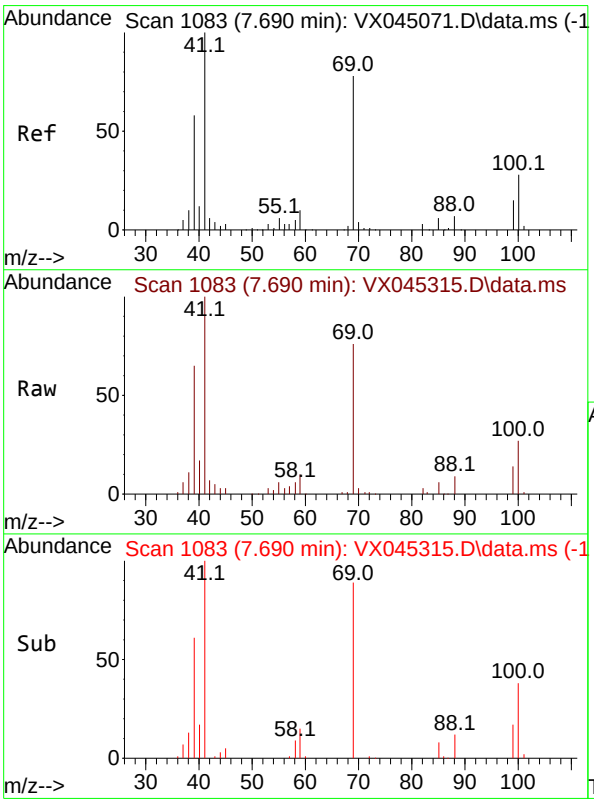
#47
Bromodichloromethane
Concen: 20.605 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 83 Resp: 38279

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.1	76.7
127	7.9	6.4	9.6

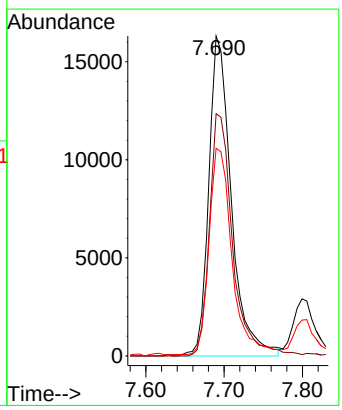


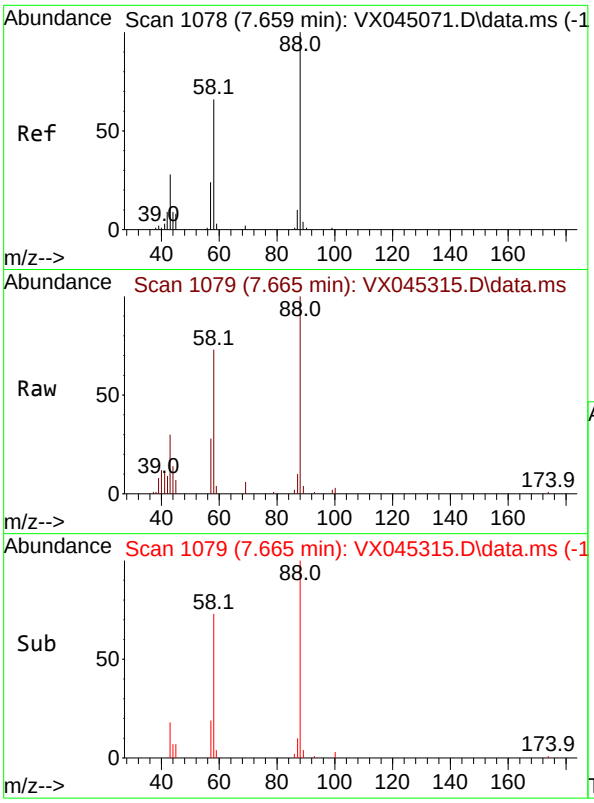


#48
Methyl methacrylate
Concen: 20.645 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 41 Resp: 32572

Ion	Ratio	Lower	Upper
41	100		
69	77.9	63.0	94.6
39	65.9	47.5	71.3



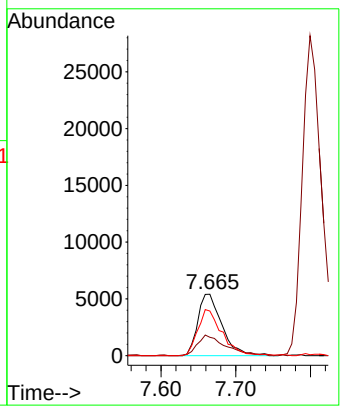


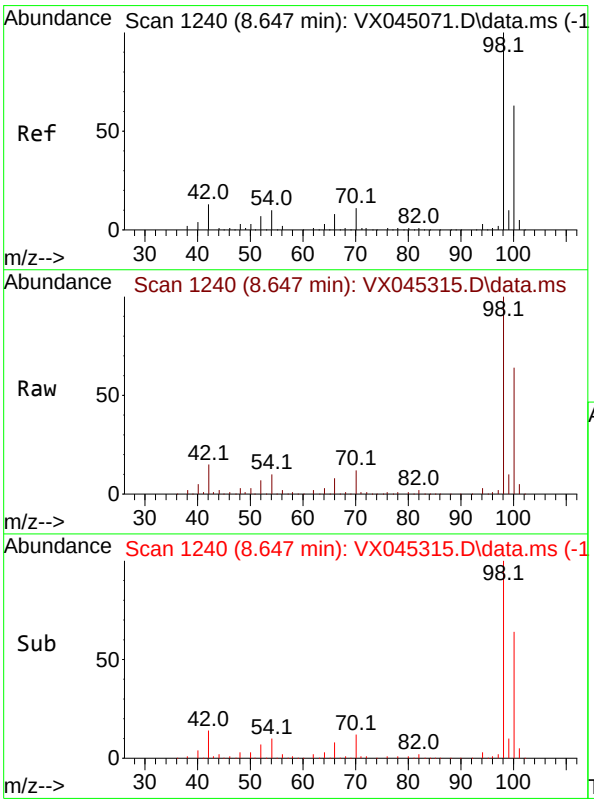
#49
1,4-Dioxane
Concen: 362.201 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 88 Resp: 12054

Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.7	43.1
58	75.8	55.8	83.8

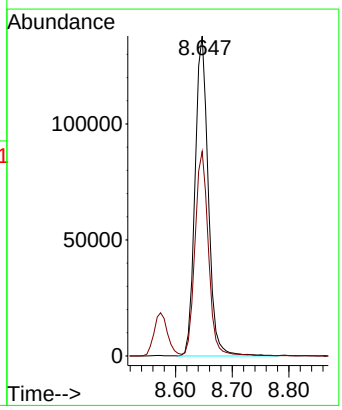


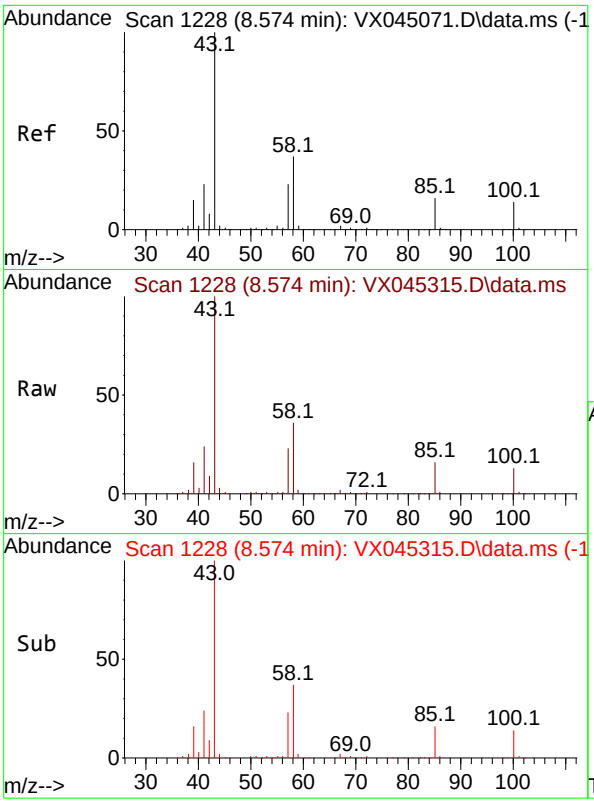


#50
Toluene-d8
Concen: 51.202 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 98 Resp: 223393

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



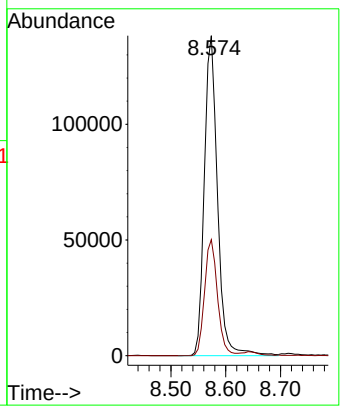


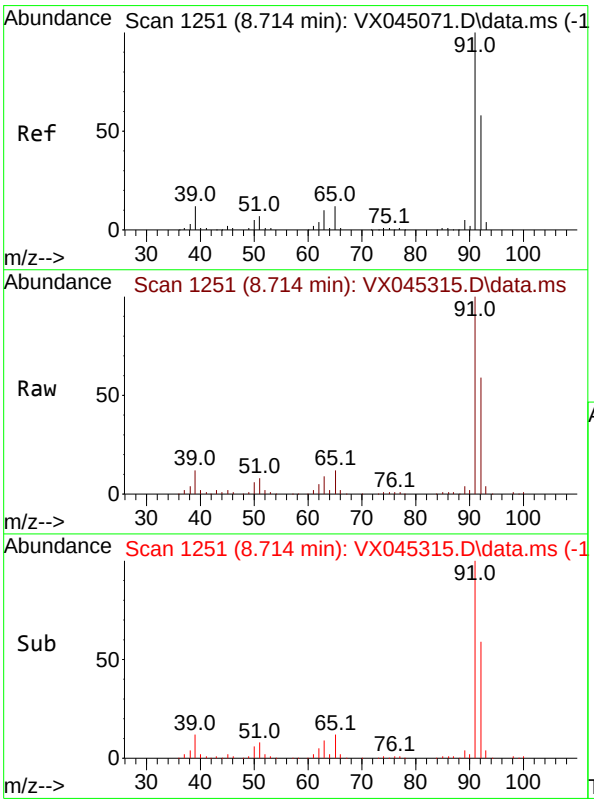
#51
4-Methyl-2-Pentanone
Concen: 109.054 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 230272

Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.2	43.8

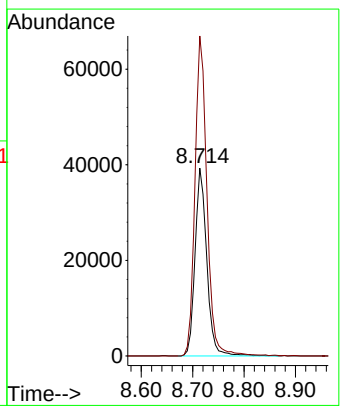


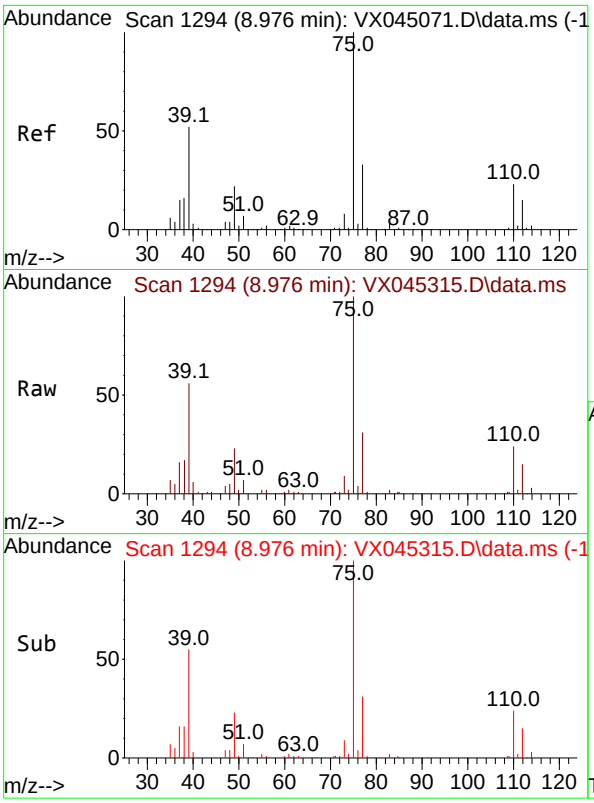


#52
Toluene
Concen: 20.477 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 92 Resp: 62616

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



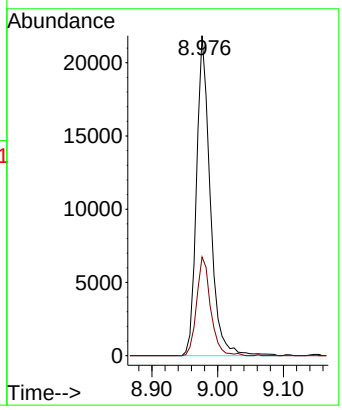


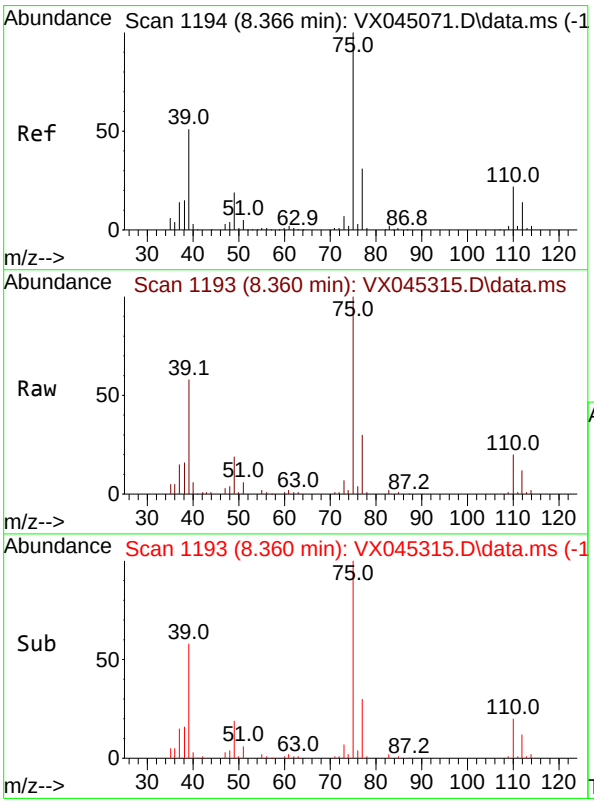
#53
t-1,3-Dichloropropene
Concen: 20.424 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 75 Resp: 31720

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7

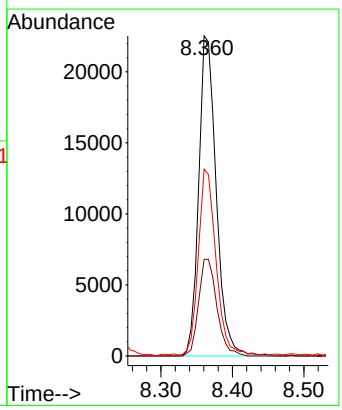


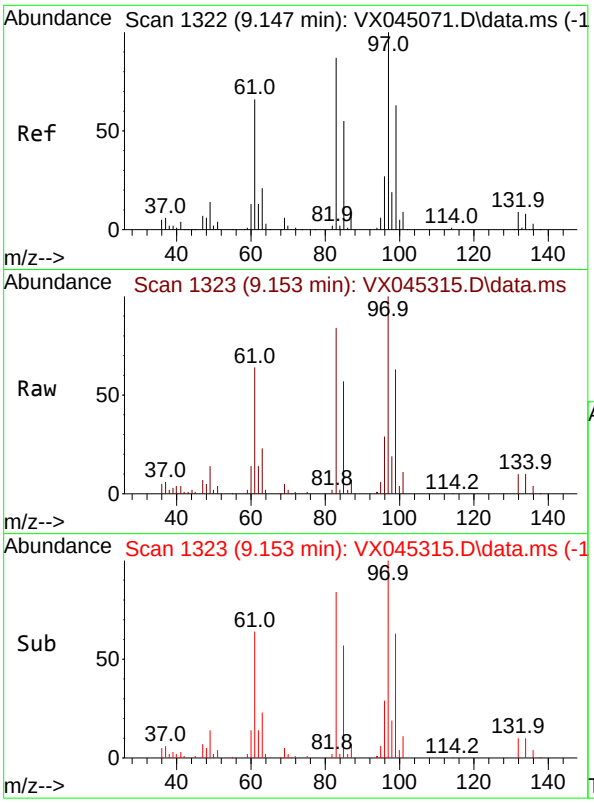


#54
cis-1,3-Dichloropropene
Concen: 21.174 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 38346

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.7	37.1
39	58.0	40.7	61.1



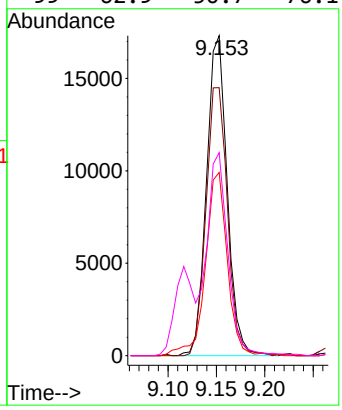


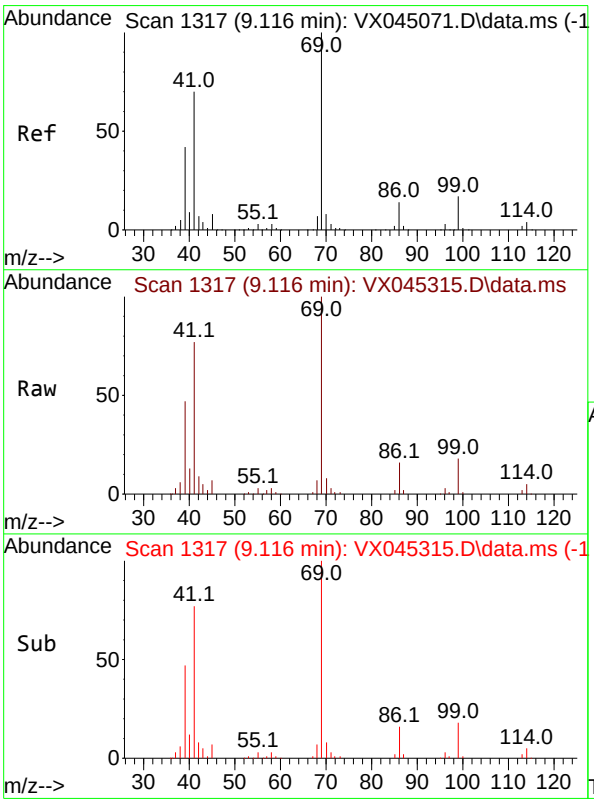
#55
1,1,2-Trichloroethane
Concen: 20.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 97 Resp: 25793

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	56.9	44.1	66.1
99	62.9	50.7	76.1

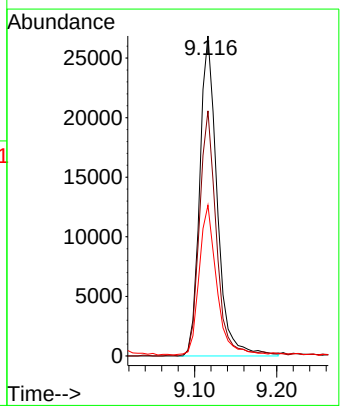


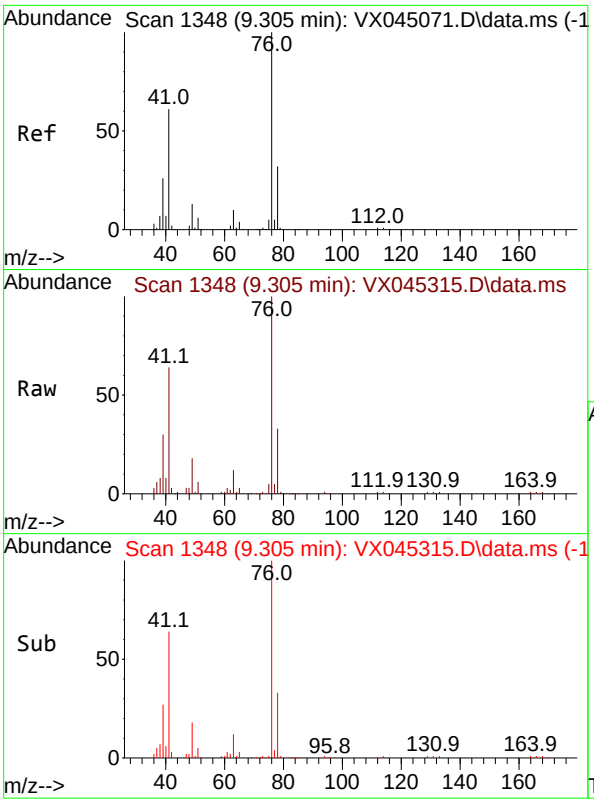


#56
Ethyl methacrylate
Concen: 20.698 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 69 Resp: 39605

Ion	Ratio	Lower	Upper
69	100		
41	75.6	57.0	85.4
39	47.1	34.2	51.4



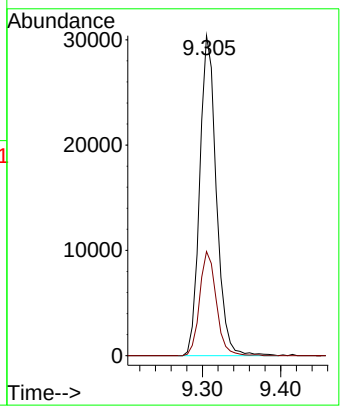


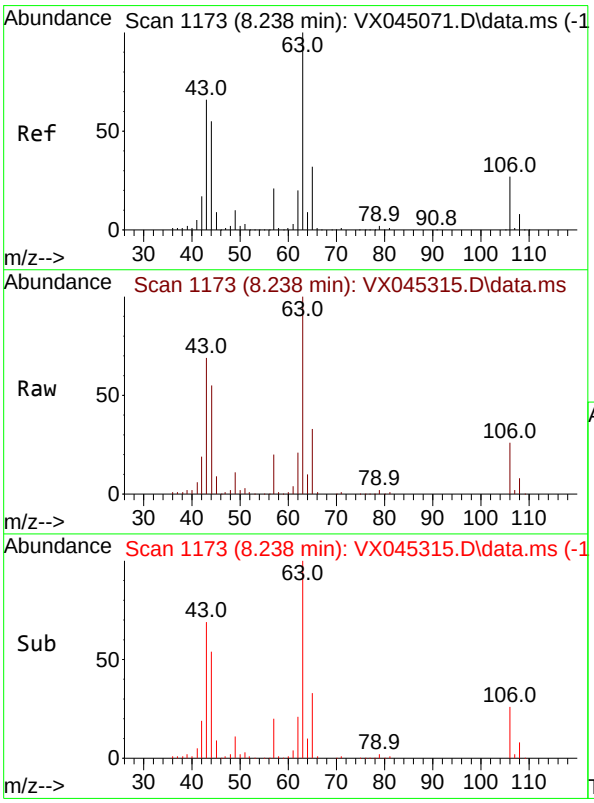
#57
1,3-Dichloropropane
Concen: 20.567 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 76 Resp: 44804

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

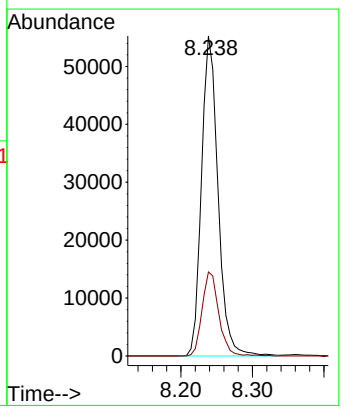


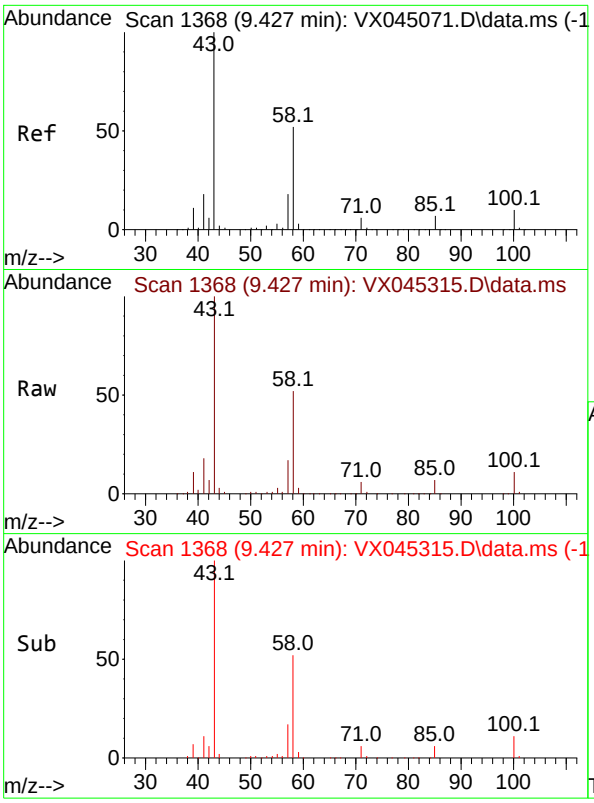


#58
2-Chloroethyl Vinyl ether
Concen: 95.056 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 63 Resp: 88727

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



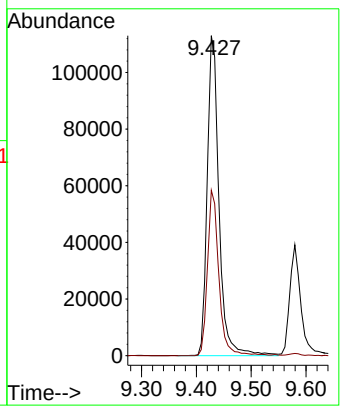


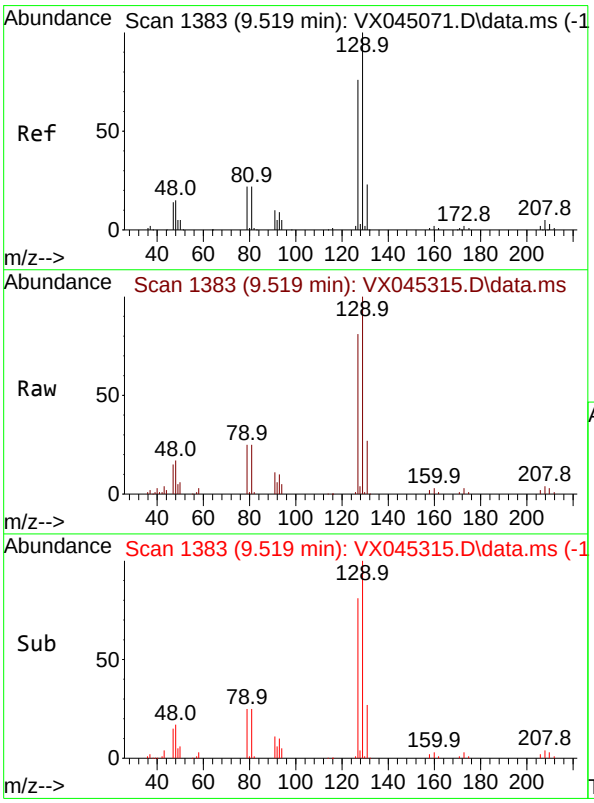
#59
2-Hexanone
Concen: 109.574 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 43 Resp: 167637

Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6

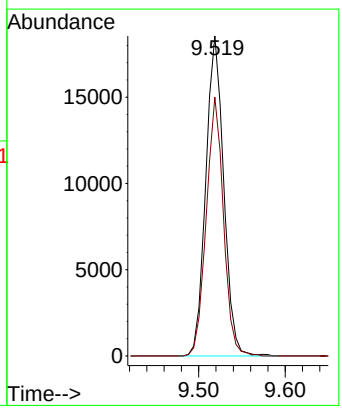


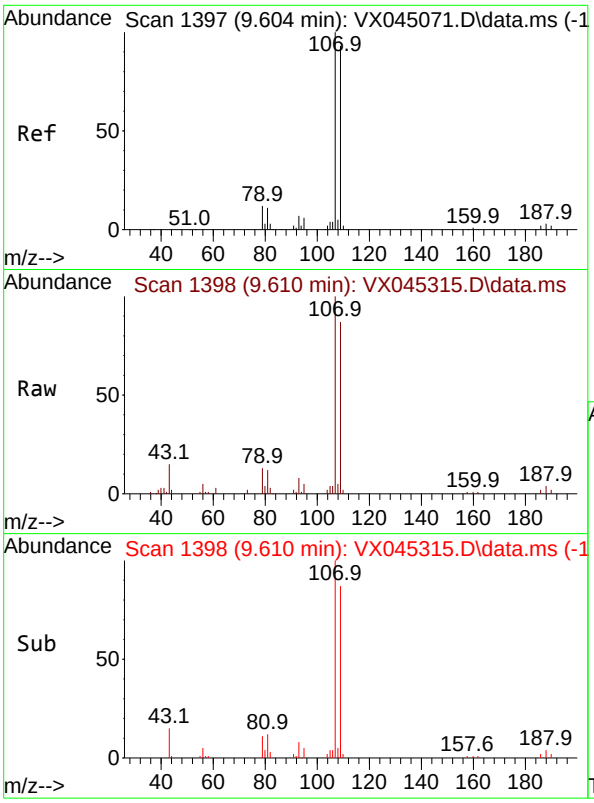


#60
Dibromochloromethane
Concen: 20.275 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:129 Resp: 26686

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



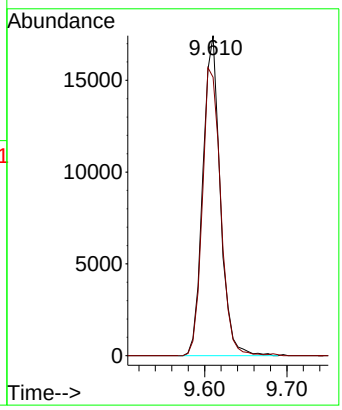


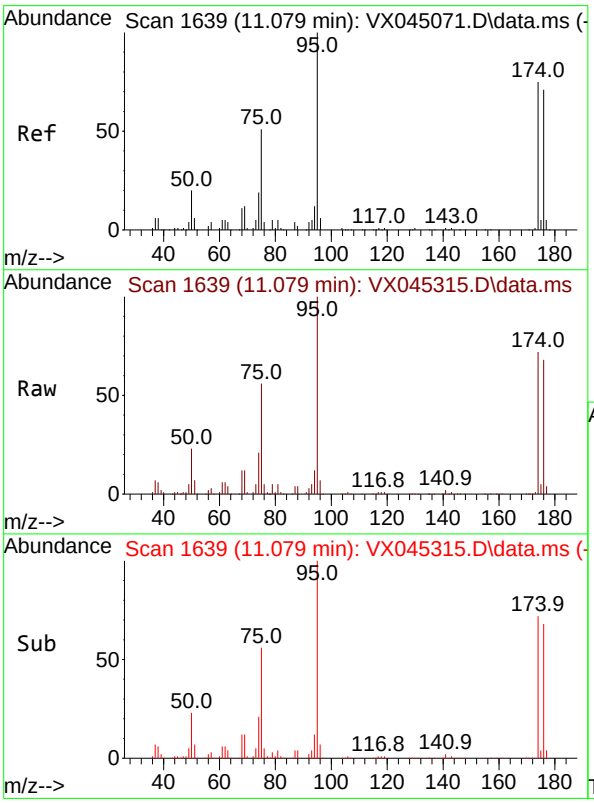
#61
1,2-Dibromoethane
Concen: 20.423 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:107 Resp: 25665

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1

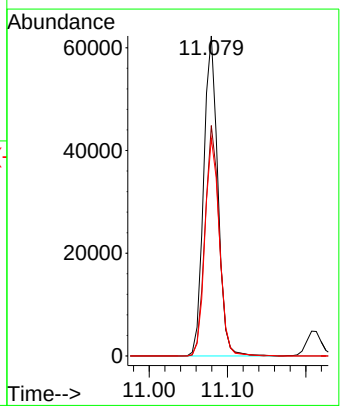


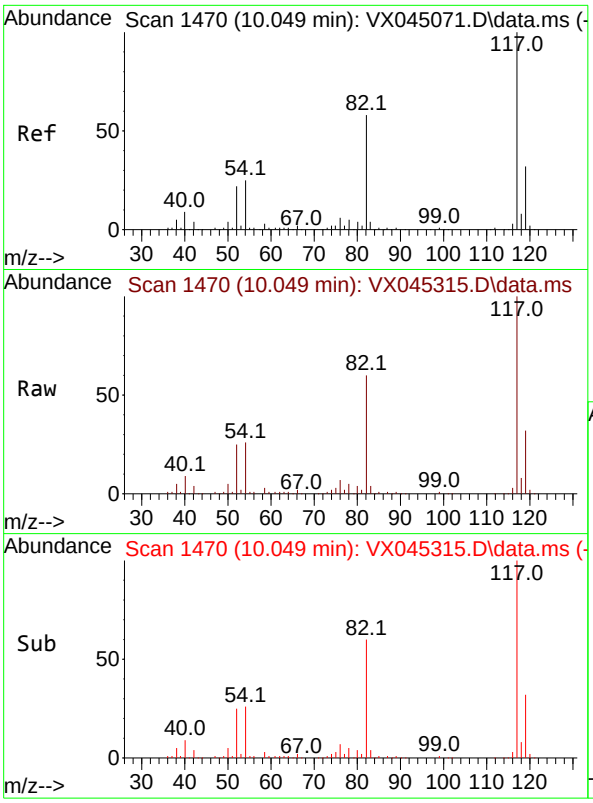


#62
4-Bromofluorobenzene
Concen: 54.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 95 Resp: 78279

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	148.2
176	69.1	0.0	141.4



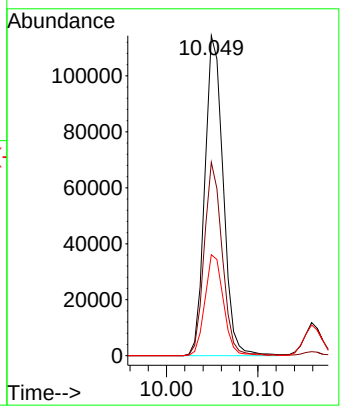


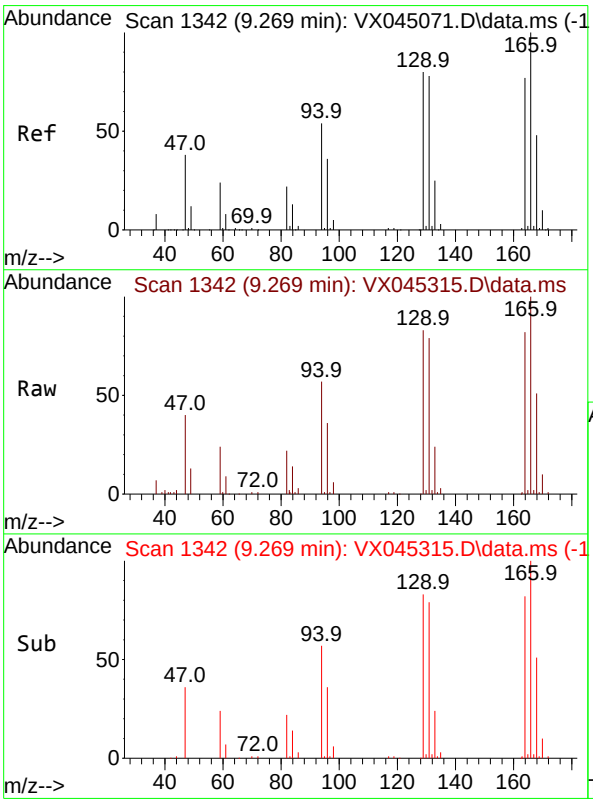
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:117 Resp: 159085

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	31.5	25.7	38.5

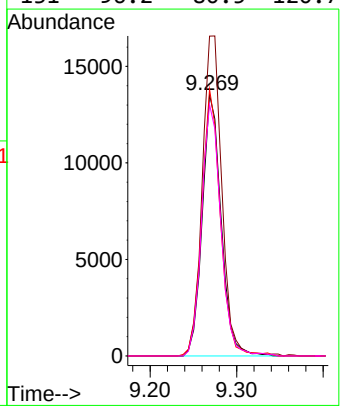


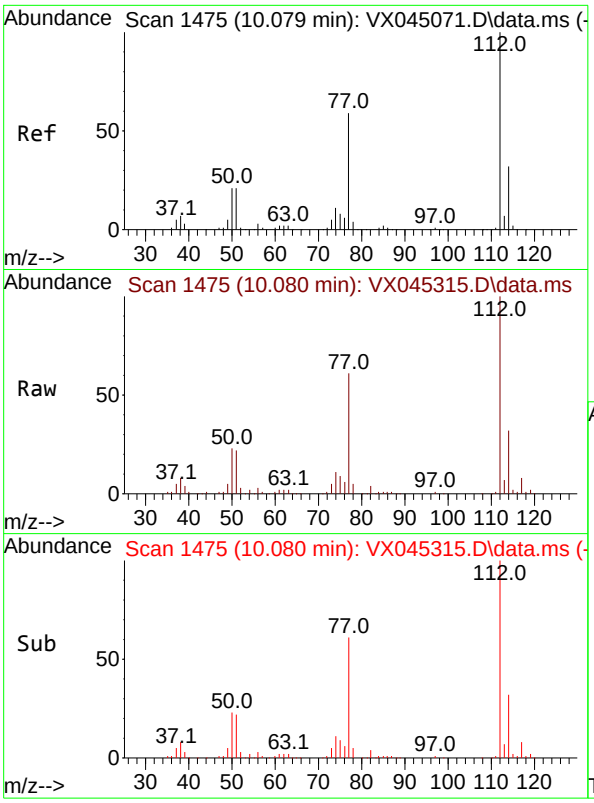


#64
Tetrachloroethene
Concen: 20.025 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:164 Resp: 20403

Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.6	155.4
129	102.2	82.7	124.1
131	96.2	80.5	120.7



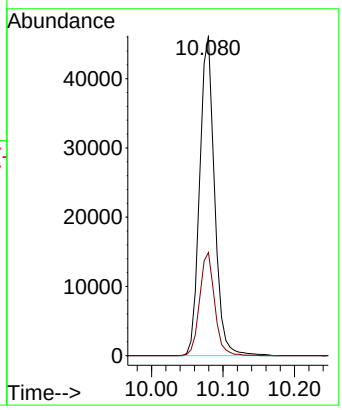


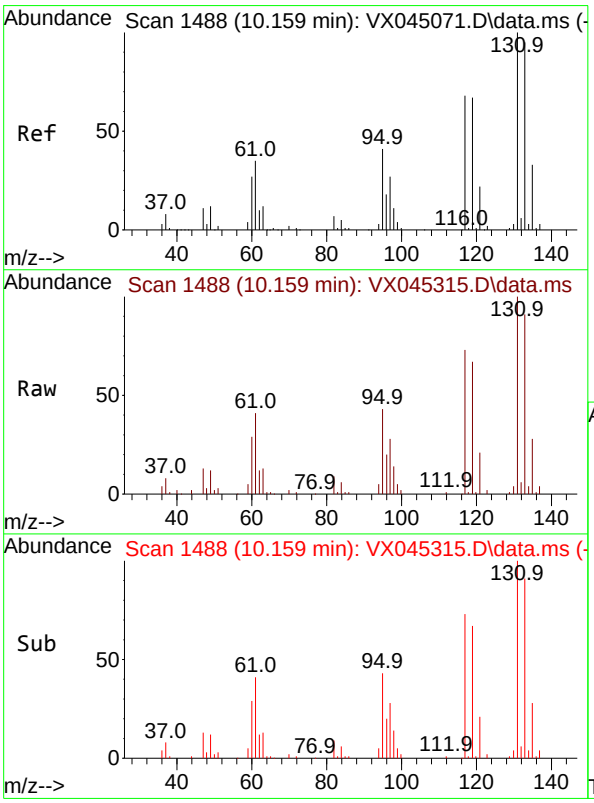
#65
Chlorobenzene
Concen: 19.853 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:112 Resp: 66830

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

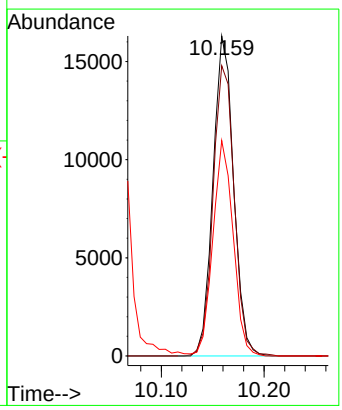


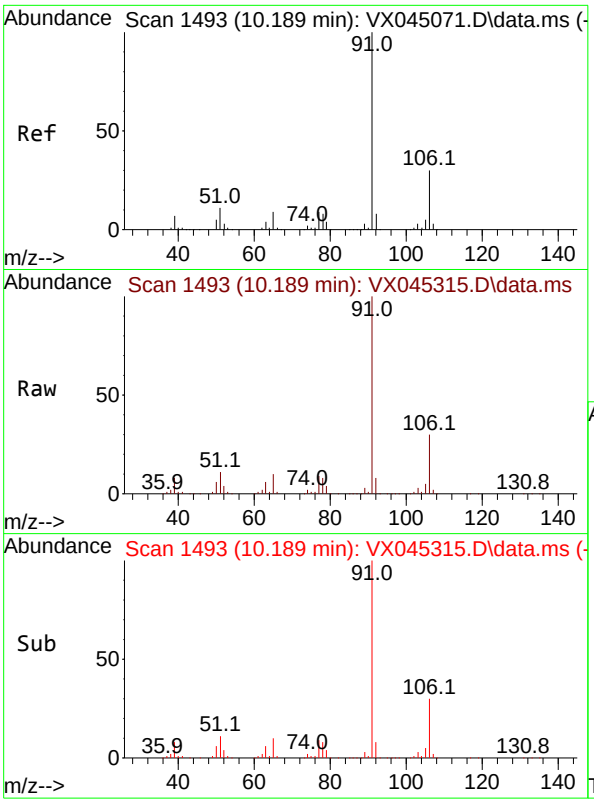


#66
1,1,1,2-Tetrachloroethane
Concen: 20.200 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:131 Resp: 22645

Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.6	145.9
119	66.1	33.9	101.7



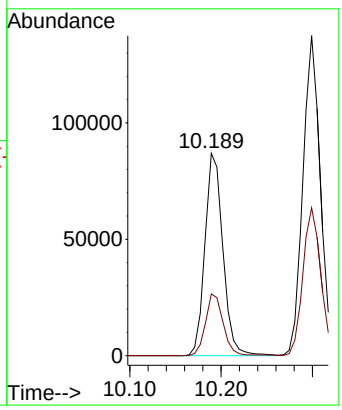


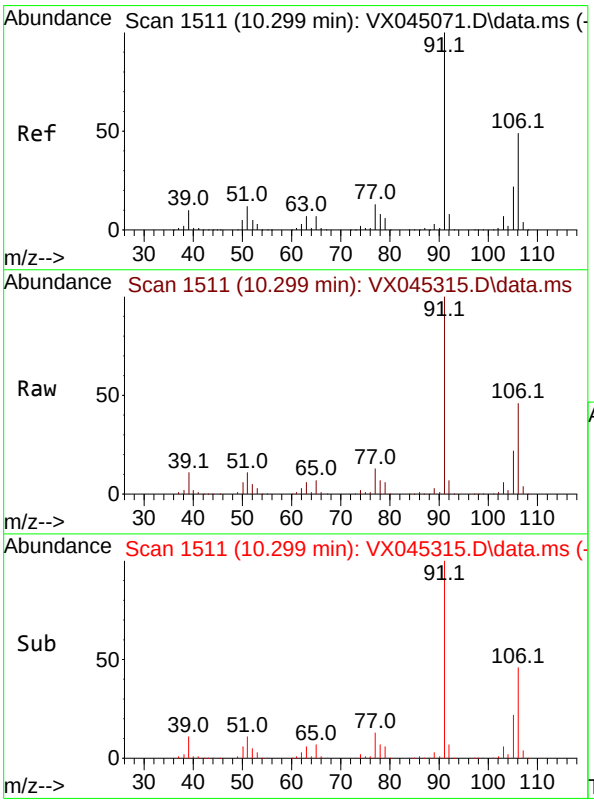
#67
Ethyl Benzene
Concen: 20.290 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 91 Resp: 119008

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

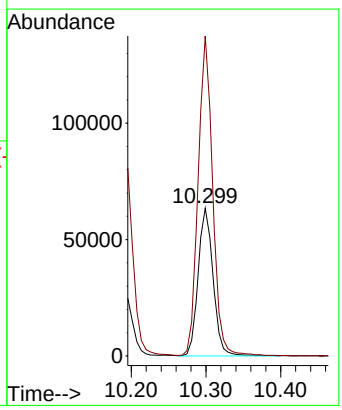


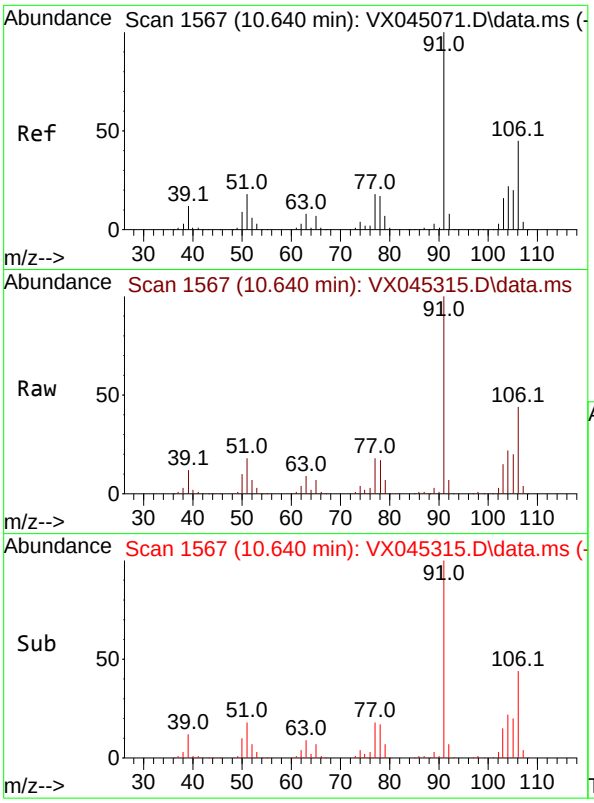


#68
m/p-Xylenes
Concen: 41.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:106 Resp: 88510

Ion	Ratio	Lower	Upper
106	100		
91	210.4	165.4	248.0



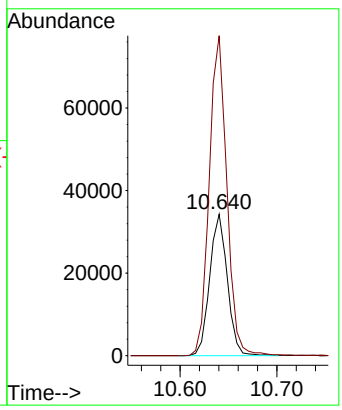


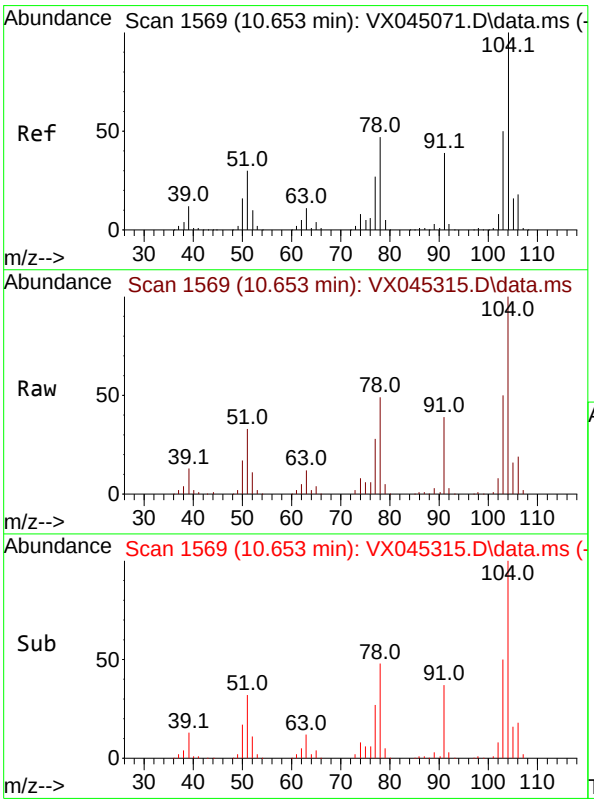
#69
o-Xylene
Concen: 20.101 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:106 Resp: 43529

Ion	Ratio	Lower	Upper
106	100		
91	225.8	109.9	329.6

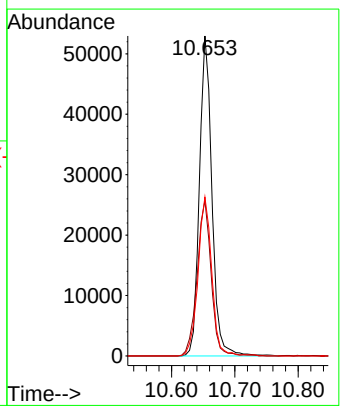


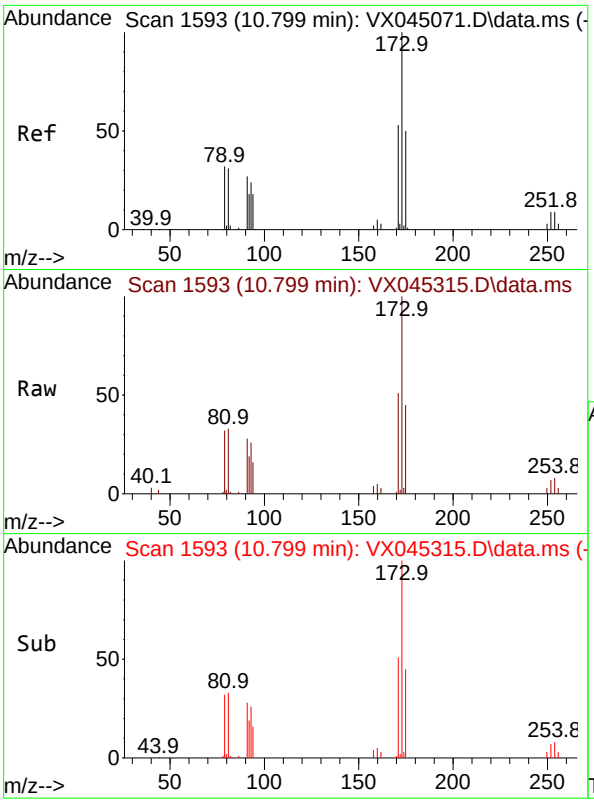


#70
Styrene
Concen: 20.855 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:104 Resp: 73075

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.2	63.4
103	54.3	43.8	65.8



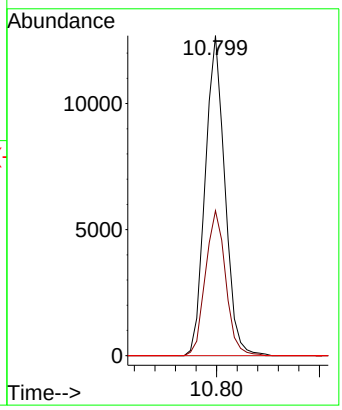


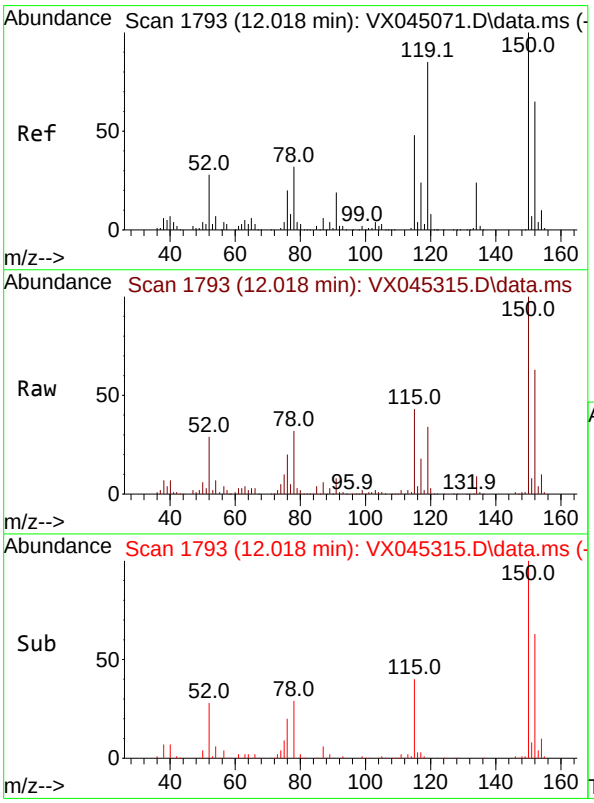
#71
Bromoform
Concen: 19.960 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:173 Resp: 16873

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.6	73.6
254	0.0	0.0	0.0

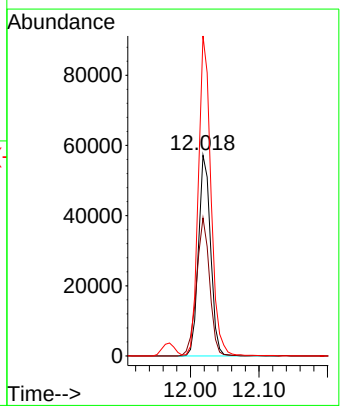


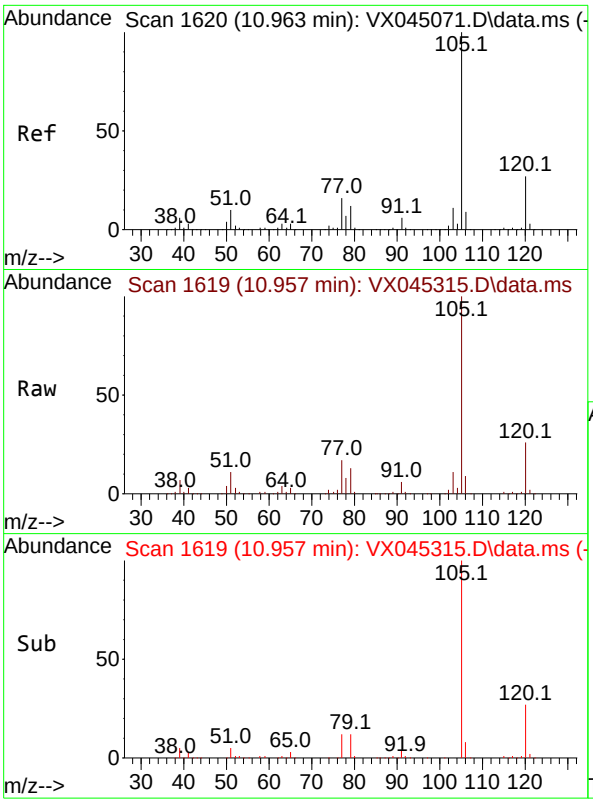


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:152 Resp: 70581

Ion	Ratio	Lower	Upper
152	100		
115	74.1	44.2	132.6
150	164.7	0.0	349.0



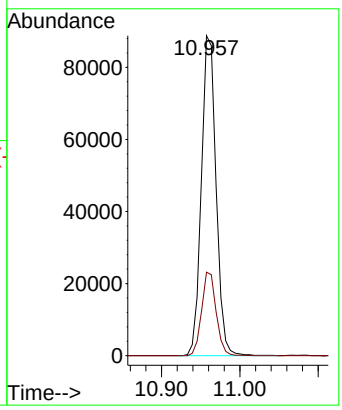


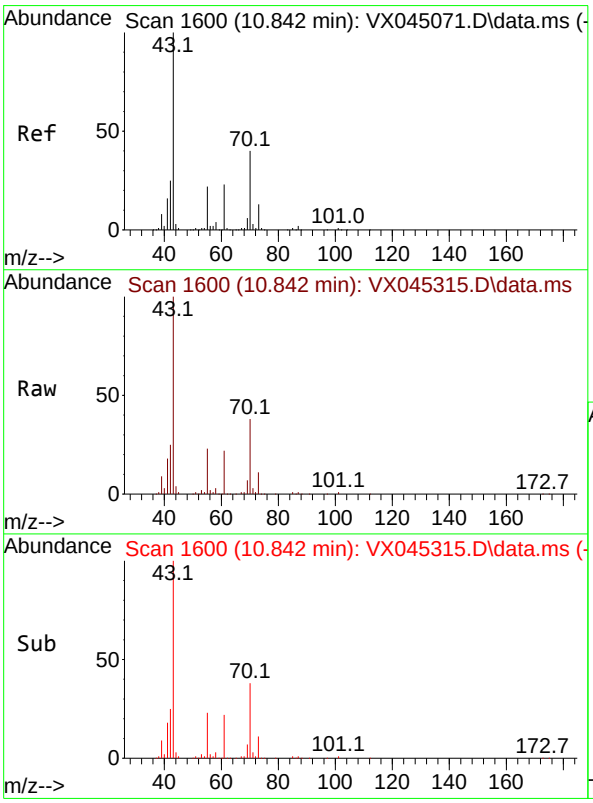
#73
Isopropylbenzene
Concen: 21.006 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:105 Resp: 115722

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

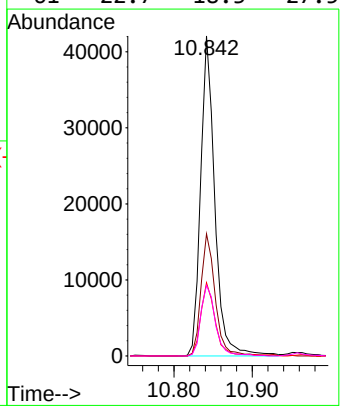


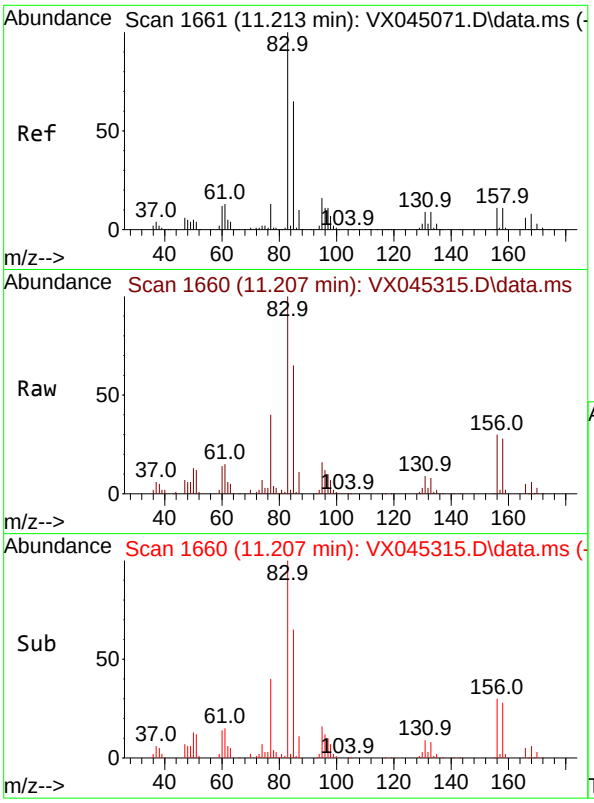


#74
N-amyl acetate
Concen: 20.478 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 43 Resp: 52935

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	23.6	18.3	27.5
61	22.7	18.3	27.5



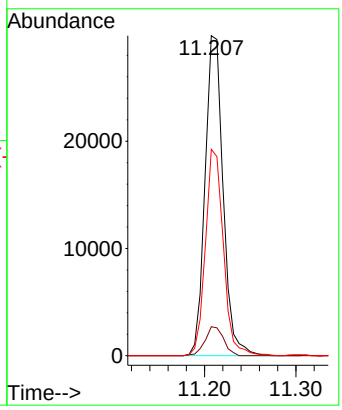


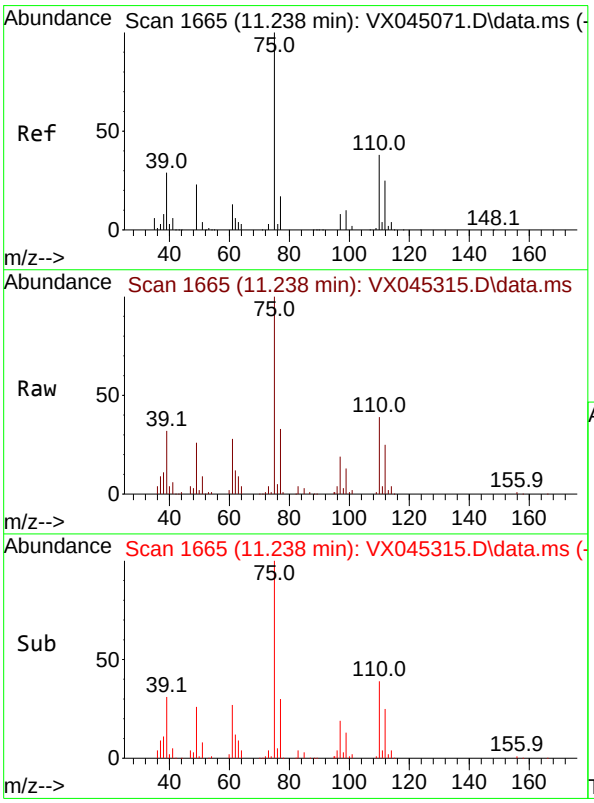
#75
1,1,2,2-Tetrachloroethane
Concen: 20.233 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 83 Resp: 40904

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.2	31.7	95.1

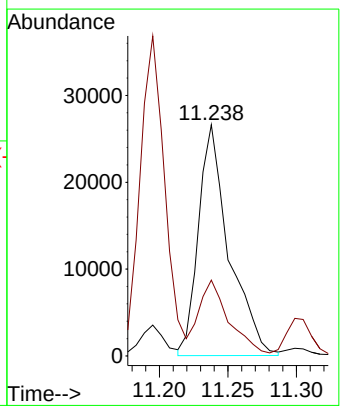


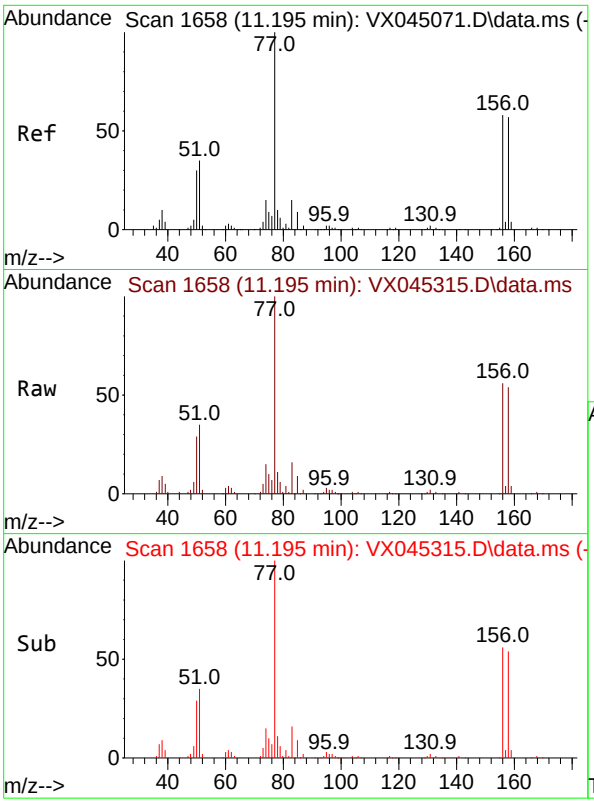


#76
1,2,3-Trichloropropane
Concen: 25.147 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 41311

Ion	Ratio	Lower	Upper
75	100		
77	32.7	20.7	62.1



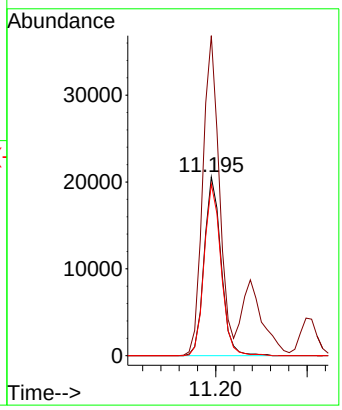


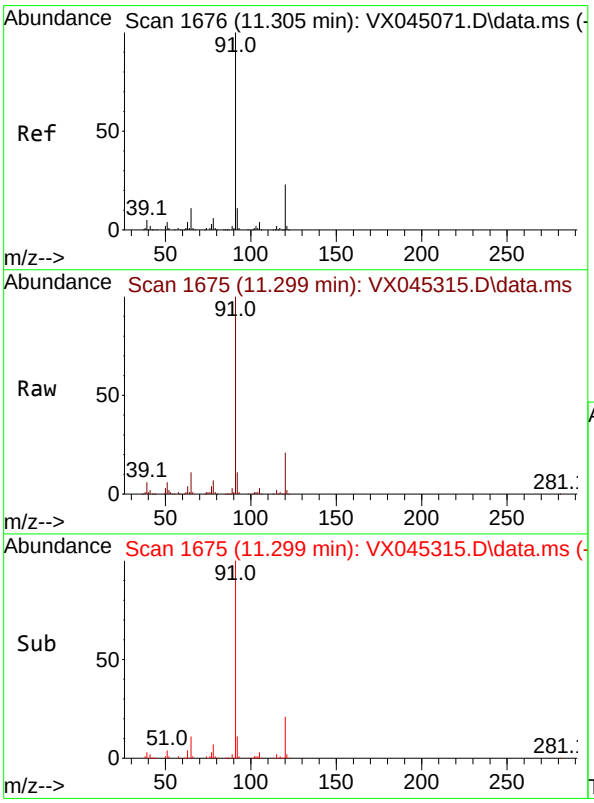
#77
Bromobenzene
Concen: 20.305 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:156 Resp: 26393

Ion	Ratio	Lower	Upper
156	100		
77	175.9	85.8	257.4
158	96.0	48.4	145.2

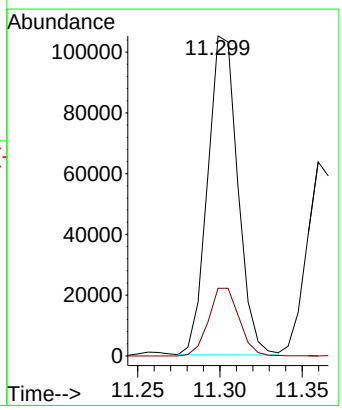


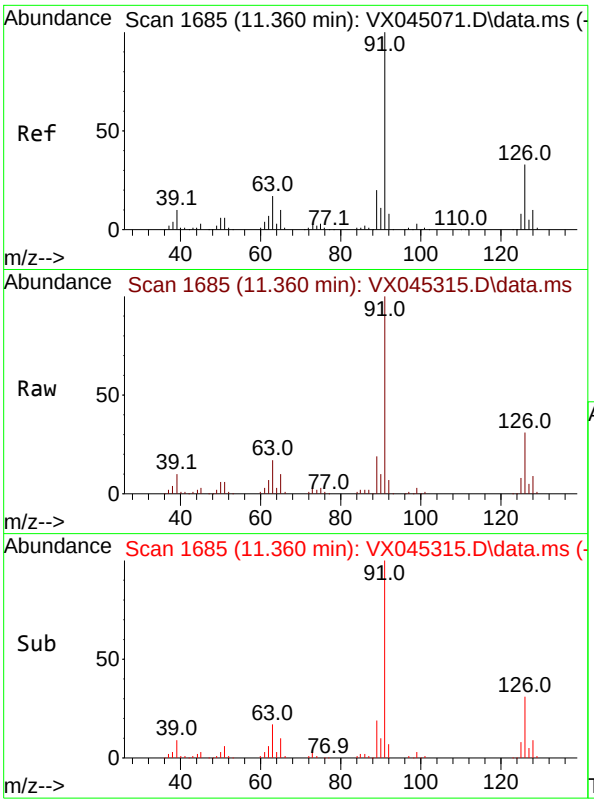


#78
n-propylbenzene
Concen: 21.500 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 133799

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



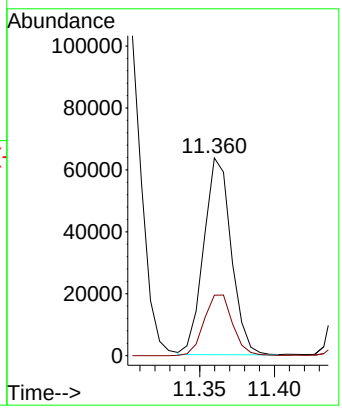


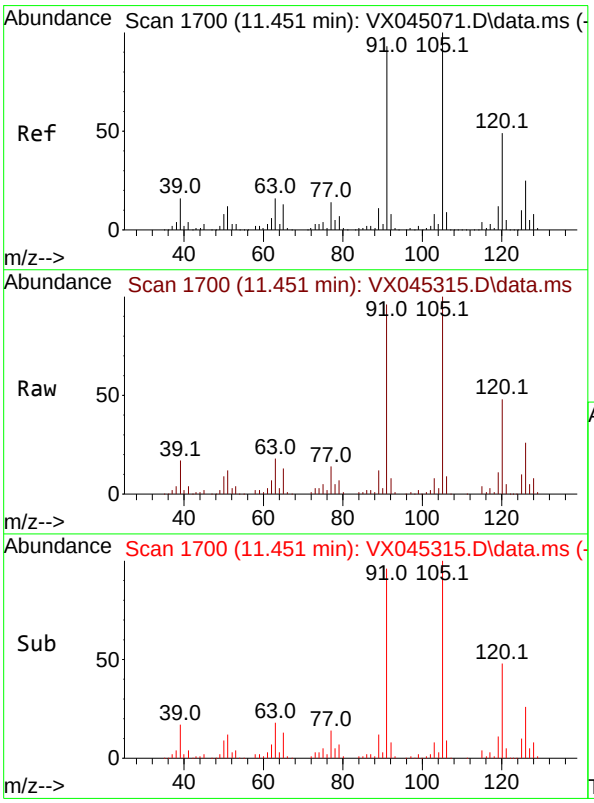
#79
2-Chlorotoluene
Concen: 20.531 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 91 Resp: 81371

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4

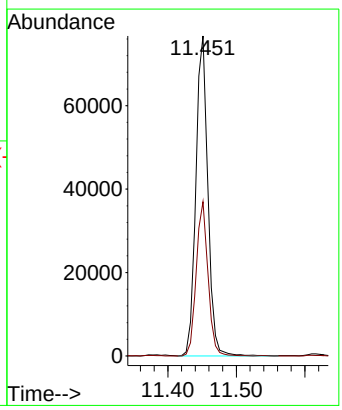


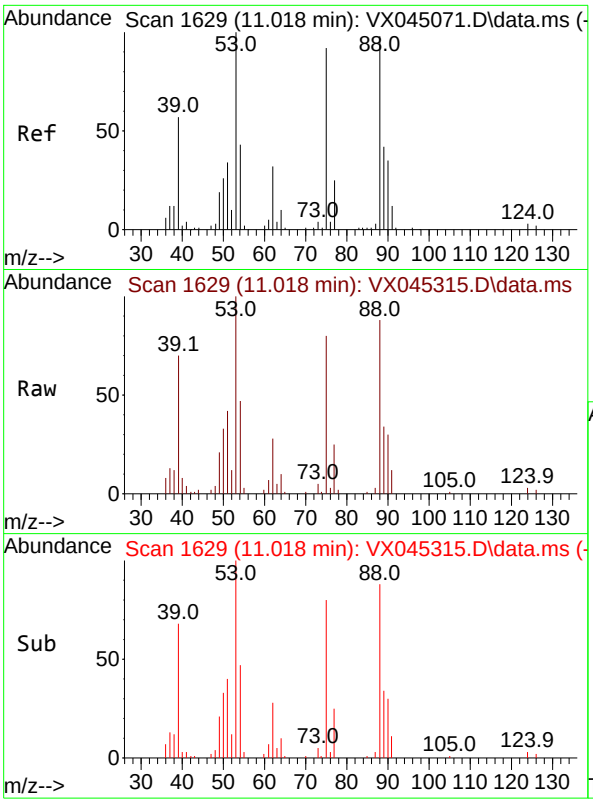


#80
1,3,5-Trimethylbenzene
Concen: 21.036 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:105 Resp: 93706

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.1	72.2



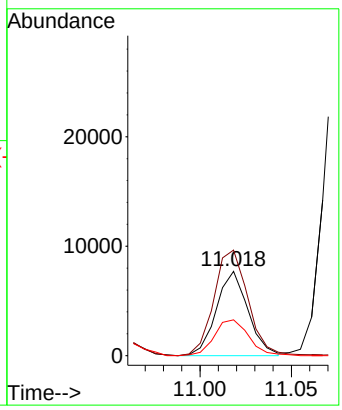


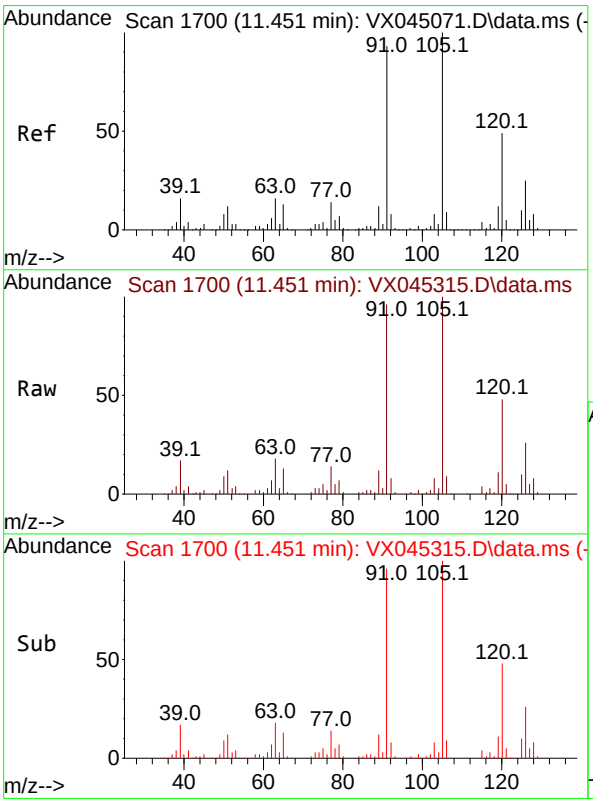
#81
trans-1,4-Dichloro-2-butene
Concen: 19.380 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 75 Resp: 9303

Ion	Ratio	Lower	Upper
75	100		
53	135.4	88.5	132.7#
89	46.1	36.2	54.4

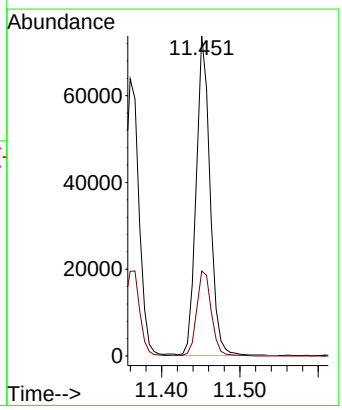


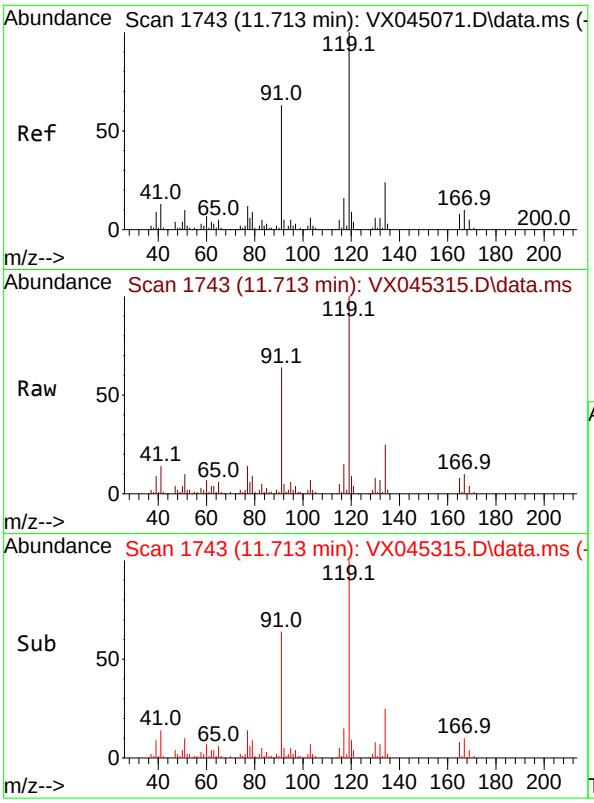


#82
4-Chlorotoluene
Concen: 21.000 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 91 Resp: 90708

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



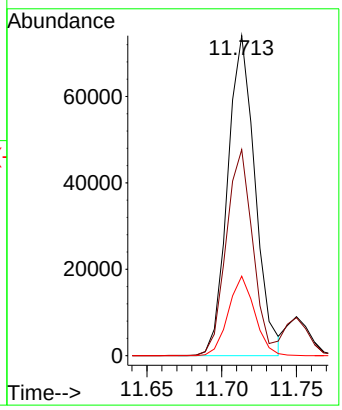


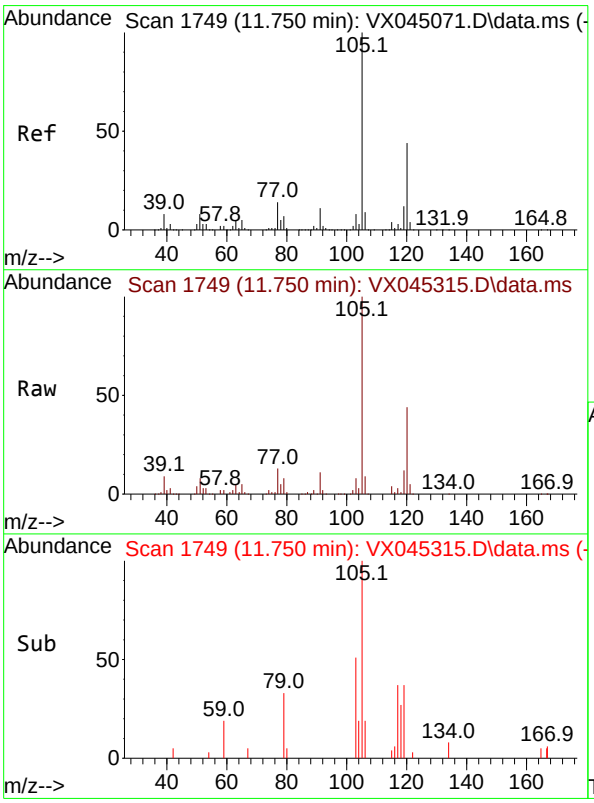
#83
tert-Butylbenzene
Concen: 20.597 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:119 Resp: 94270

Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.7	92.1
134	23.9	11.7	35.0

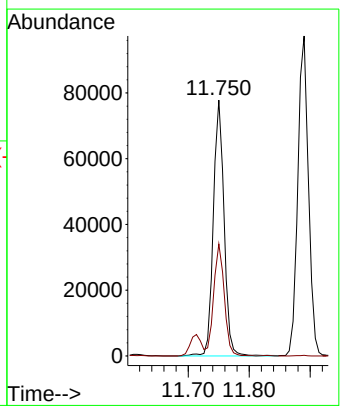


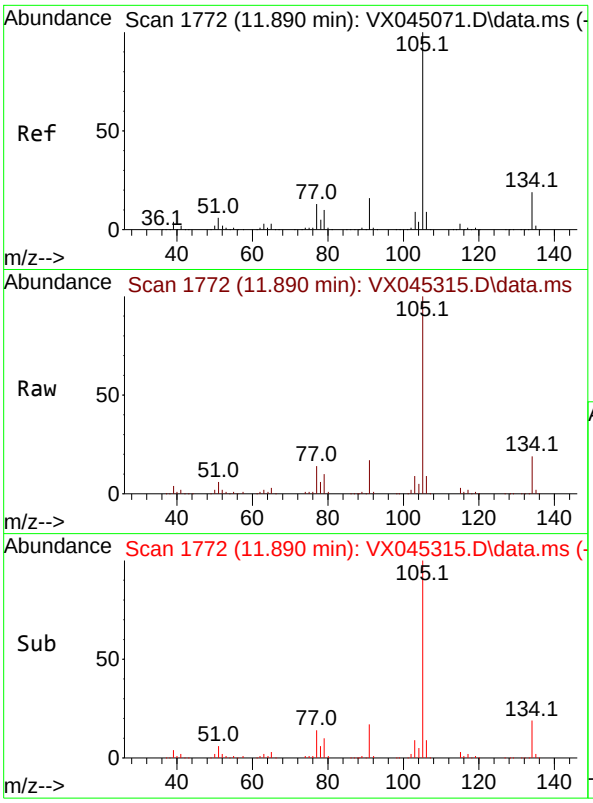


#84
1,2,4-Trimethylbenzene
Concen: 21.253 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:105 Resp: 95258

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



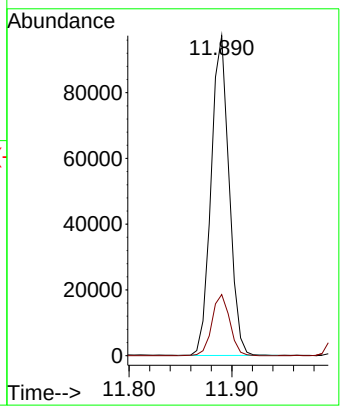


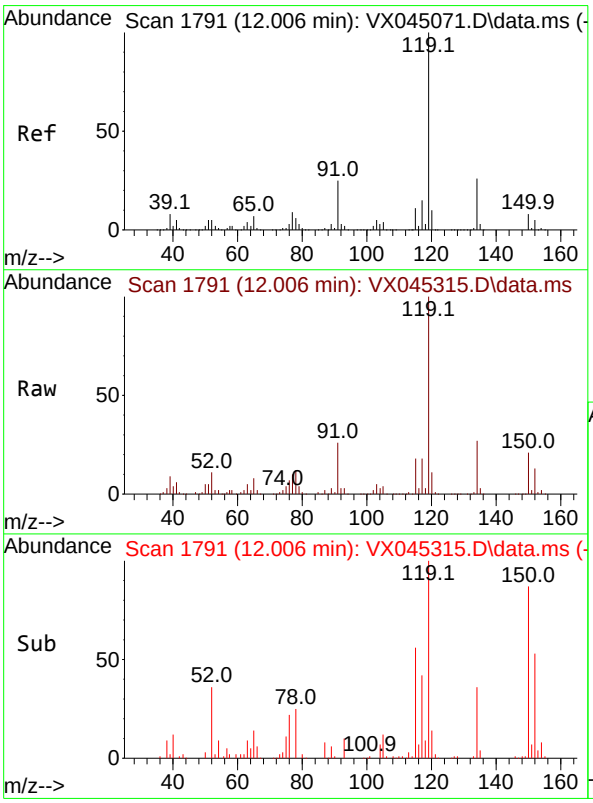
#85
sec-Butylbenzene
Concen: 21.540 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:105 Resp: 118093

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

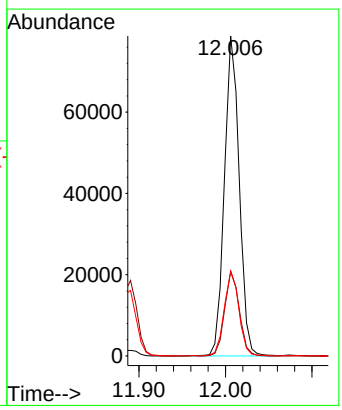


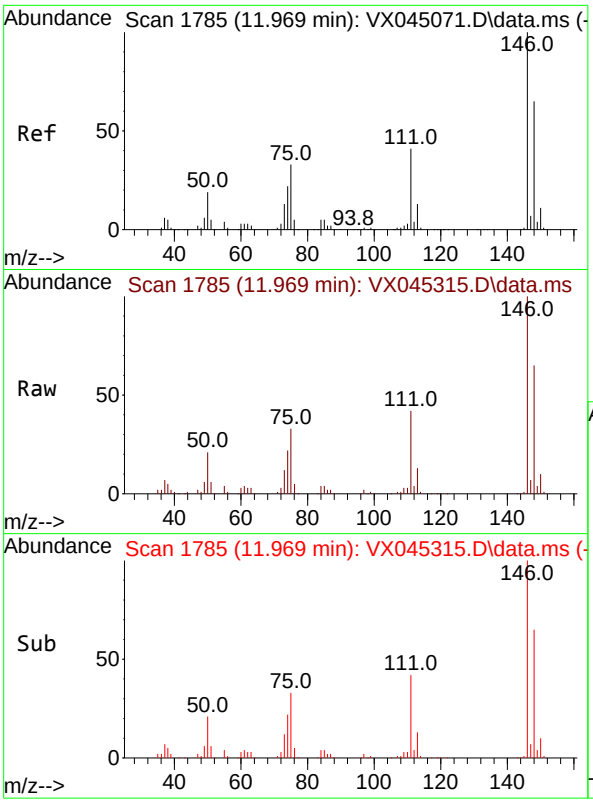


#86
p-Isopropyltoluene
Concen: 21.165 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:119 Resp: 93774

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.3	12.7	38.0



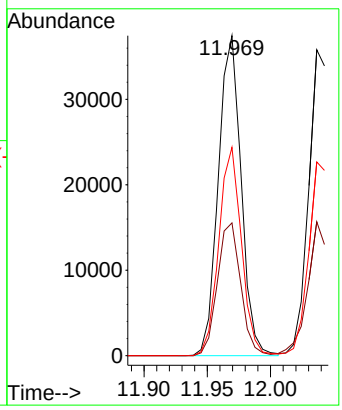


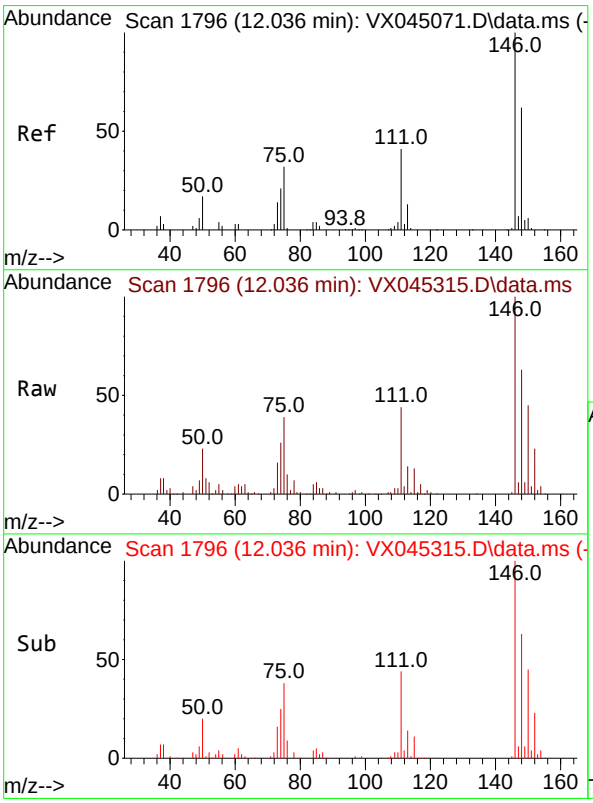
#87
1,3-Dichlorobenzene
Concen: 20.238 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:146 Resp: 46929

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	64.6	31.9	95.7

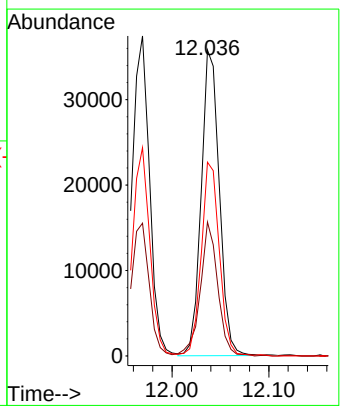


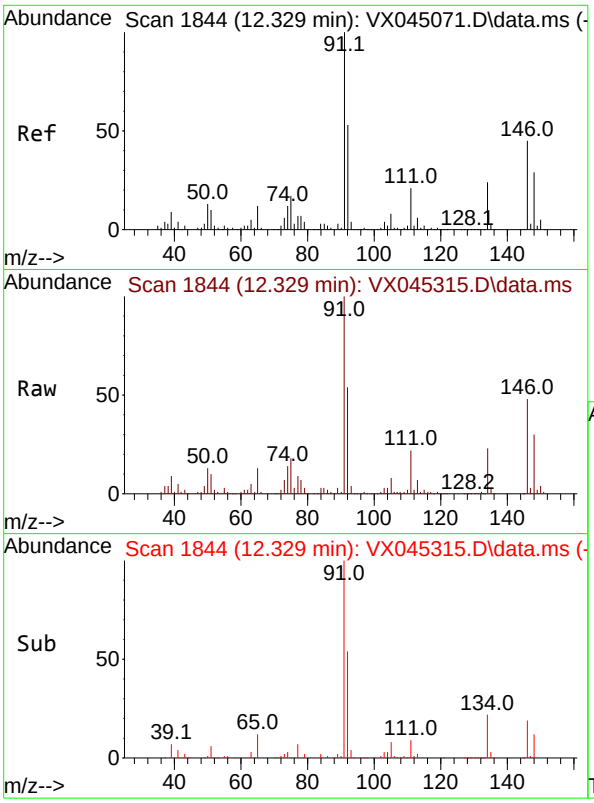


#88
1,4-Dichlorobenzene
Concen: 19.915 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:146 Resp: 46719

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	63.6	31.9	95.9



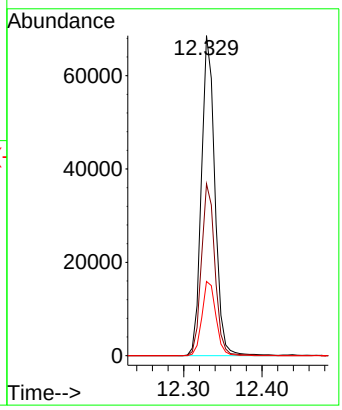


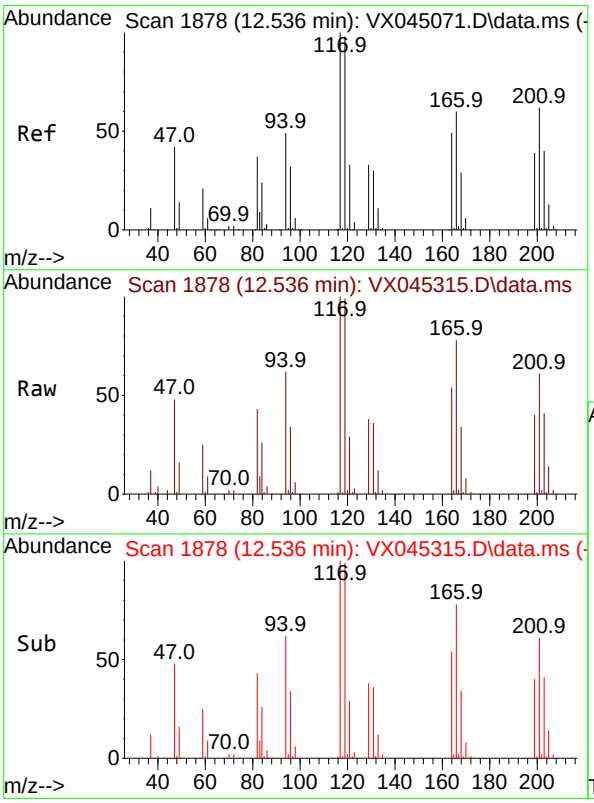
#89
n-Butylbenzene
Concen: 21.434 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion: 91 Resp: 81793

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.0
134	24.1	12.2	36.6

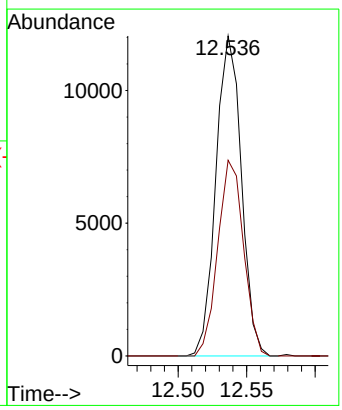


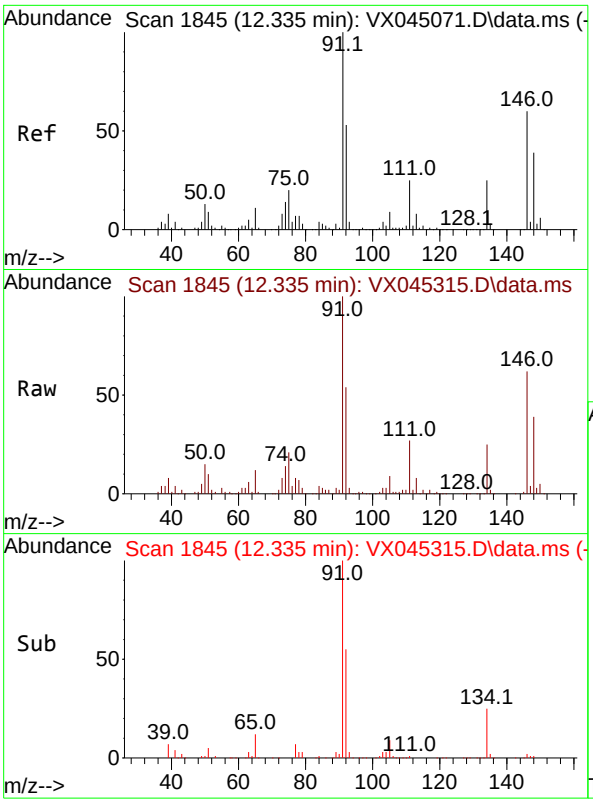


#90
Hexachloroethane
Concen: 19.417 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:117 Resp: 15561

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.9	95.9



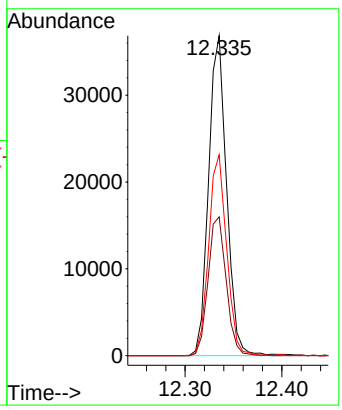


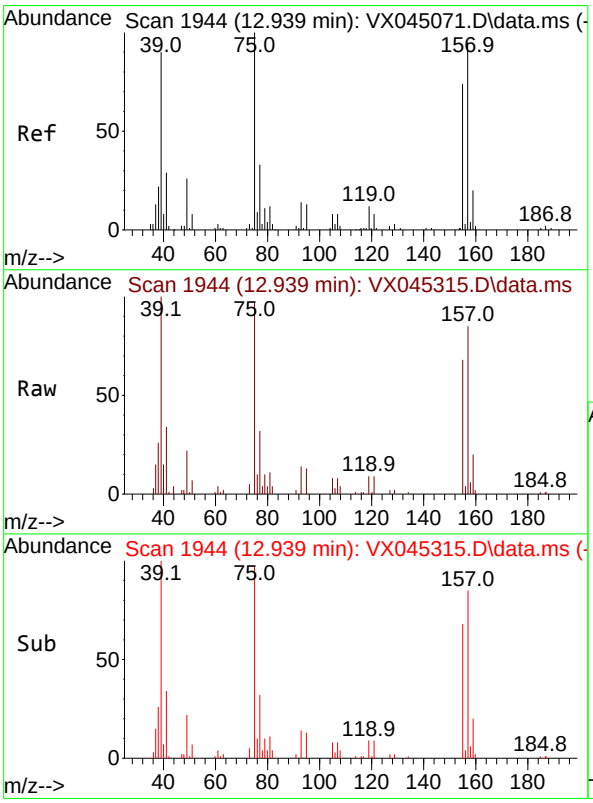
#91
1,2-Dichlorobenzene
Concen: 20.453 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:146 Resp: 47575

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	62.8	31.9	95.9

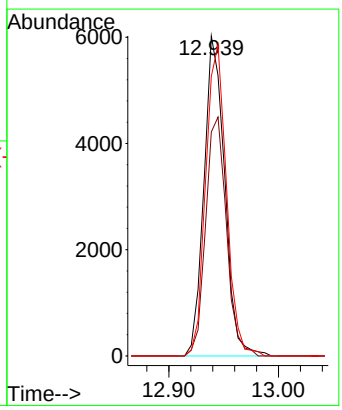


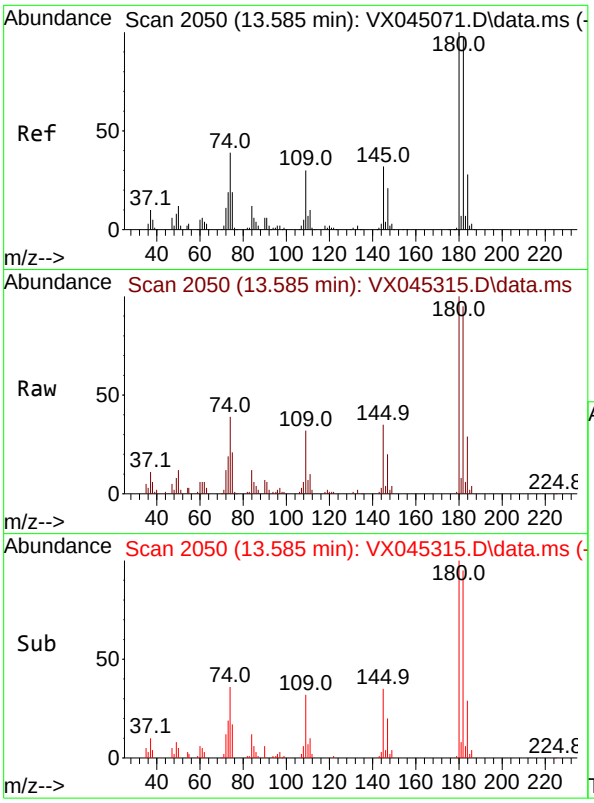


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.053 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion: 75 Resp: 7898

Ion	Ratio	Lower	Upper
75	100		
155	74.9	39.6	118.7
157	97.4	51.1	153.4



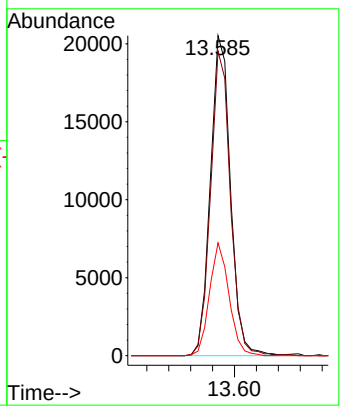


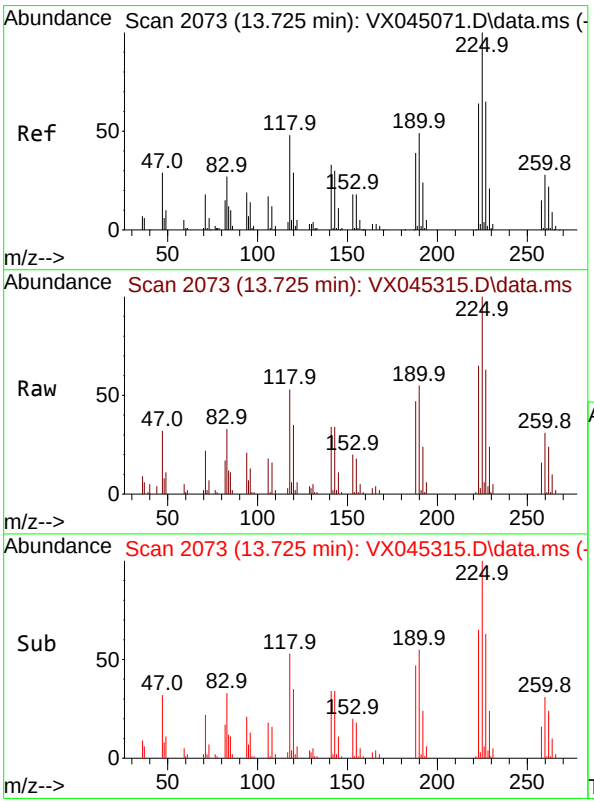
#93
1,2,4-Trichlorobenzene
Concen: 19.660 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:180 Resp: 26039

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	34.4	16.3	48.9

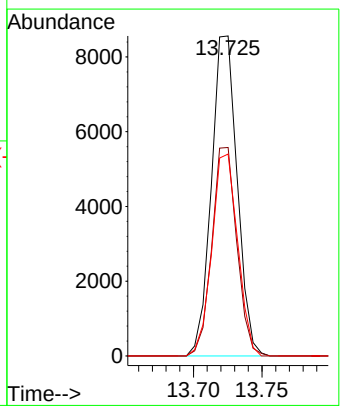


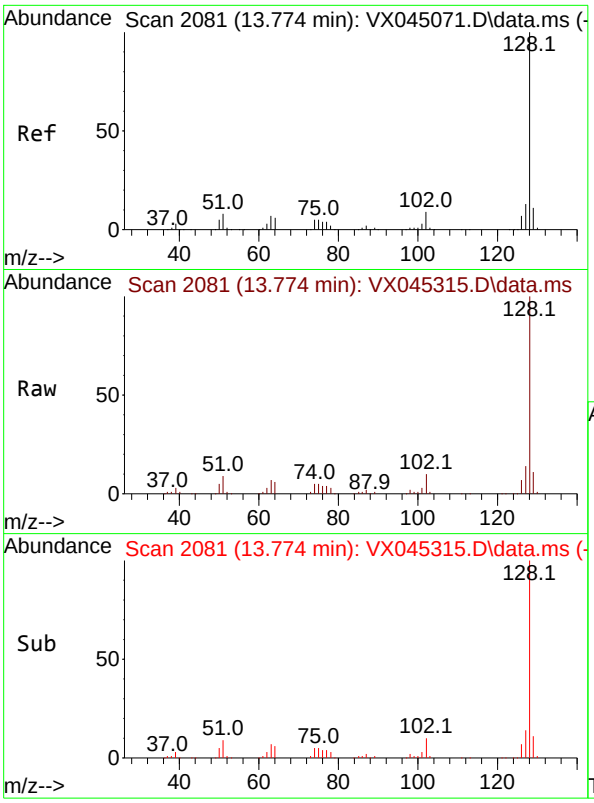


#94
Hexachlorobutadiene
Concen: 20.613 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:225 Resp: 11193

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	63.0	31.4	94.0



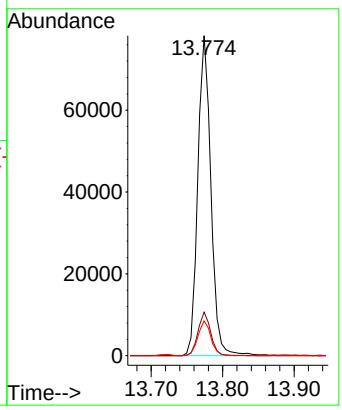


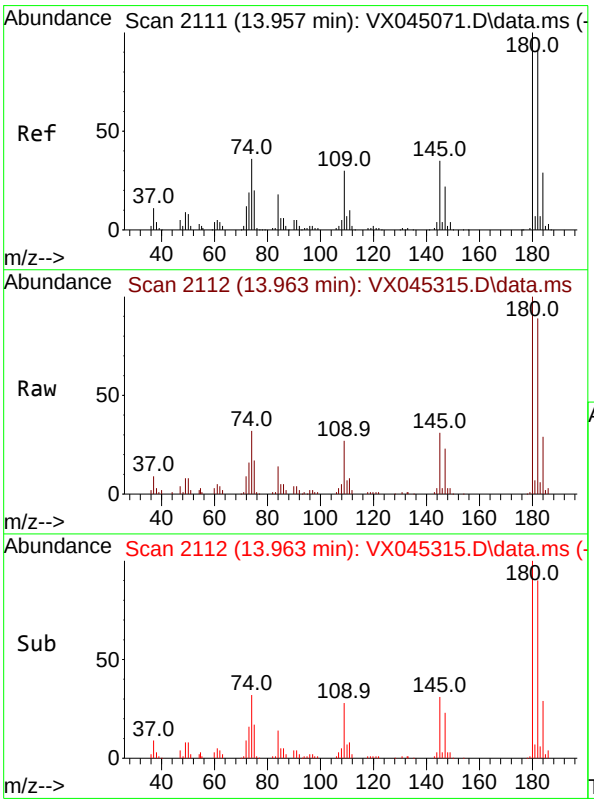
#95
Naphthalene
Concen: 19.547 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0318WBS01

Tgt Ion:128 Resp: 99469

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.7	13.1

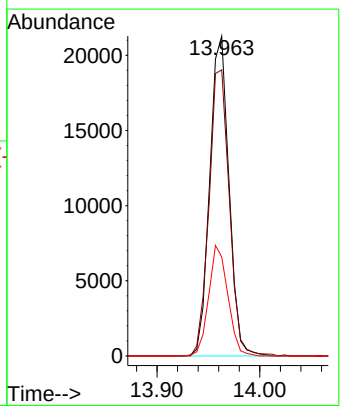




#96
1,2,3-Trichlorobenzene
Concen: 19.719 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045315.D
Acq: 18 Mar 2025 11:16

Tgt Ion:180 Resp: 27553

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150662	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81893	61.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.400%			
35) Dibromofluoromethane	5.379	113	59737	59.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.600%			
50) Toluene-d8	8.647	98	210146	57.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.080%#			
62) 4-Bromofluorobenzene	11.079	95	72166	59.628	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51601	48.729	ug/l	98
3) Chloromethane	1.301	50	56752	43.793	ug/l	99
4) Vinyl Chloride	1.374	62	58243	45.305	ug/l	98
5) Bromomethane	1.593	94	25260	49.983	ug/l	99
6) Chloroethane	1.660	64	26646	44.936	ug/l	95
7) Trichlorofluoromethane	1.868	101	86733	50.964	ug/l	100
8) Diethyl Ether	2.136	74	31915	47.945	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	56075	57.352	ug/l	99
10) Methyl Iodide	2.441	142	65943	53.969	ug/l	97
11) Tert butyl alcohol	2.989	59	53027	209.210	ug/l	99
12) 1,1-Dichloroethene	2.307	96	54237	52.468	ug/l	93
13) Acrolein	2.239	56	73442	250.658	ug/l	100
14) Allyl chloride	2.654	41	102455	55.680	ug/l	95
15) Acrylonitrile	3.069	53	176272	259.486	ug/l	99
16) Acetone	2.386	43	158918	255.968	ug/l	97
17) Carbon Disulfide	2.502	76	115773	42.049	ug/l	97
18) Methyl Acetate	2.703	43	100760	67.463	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	197477	56.941	ug/l	97
20) Methylene Chloride	2.782	84	64105	52.125	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	54820	53.680	ug/l	94
22) Diisopropyl ether	3.764	45	212818	56.869	ug/l	98
23) Vinyl Acetate	3.721	43	883964	283.056	ug/l	99
24) 1,1-Dichloroethane	3.605	63	118316	56.414	ug/l	98
25) 2-Butanone	4.562	43	247851	265.213	ug/l	97
26) 2,2-Dichloropropane	4.471	77	72453	73.651	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	69546	55.166	ug/l	95
28) Bromochloromethane	4.891	49	55167	55.186	ug/l	98
29) Tetrahydrofuran	5.001	42	159660	254.403	ug/l	99
30) Chloroform	5.087	83	119558	57.373	ug/l	100
31) Cyclohexane	5.458	56	94154	51.717	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	98999	58.821	ug/l	98
36) 1,1-Dichloropropene	5.684	75	75043	54.316	ug/l	98
37) Ethyl Acetate	4.709	43	94554	53.112	ug/l	99
38) Carbon Tetrachloride	5.666	117	80339	57.276	ug/l	98
39) Methylcyclohexane	7.373	83	92874	56.101	ug/l	99
40) Benzene	6.031	78	237509	54.440	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53326	55.396 ug/l	96
42) 1,2-Dichloroethane	6.080	62	94116	59.907 ug/l	98
43) Isopropyl Acetate	6.342	43	150519	57.177 ug/l	99
44) Trichloroethene	7.123	130	55524	54.201 ug/l	99
45) 1,2-Dichloropropane	7.428	63	62993	56.158 ug/l	99
46) Dibromomethane	7.574	93	45001	56.759 ug/l	98
47) Bromodichloromethane	7.818	83	90721	58.336 ug/l	98
48) Methyl methacrylate	7.690	41	76591	57.992 ug/l	95
49) 1,4-Dioxane	7.665	88	25756	924.511 ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	490226	277.341 ug/l	100
52) Toluene	8.714	92	143688	56.134 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	78792	60.605 ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	90501	59.696 ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	58012	55.051 ug/l	98
56) Ethyl methacrylate	9.116	69	94019	58.695 ug/l	95
57) 1,3-Dichloropropane	9.305	76	101382	55.593 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	245641	314.370 ug/l	100
59) 2-Hexanone	9.427	43	355832	277.843 ug/l	99
60) Dibromochloromethane	9.519	129	62295	56.538 ug/l	98
61) 1,2-Dibromoethane	9.604	107	58284	55.404 ug/l	100
64) Tetrachloroethene	9.269	164	46080	56.125 ug/l	97
65) Chlorobenzene	10.080	112	150788	55.590 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50844	56.285 ug/l	99
67) Ethyl Benzene	10.189	91	273984	57.969 ug/l	100
68) m/p-Xylenes	10.299	106	199139	115.095 ug/l	97
69) o-Xylene	10.640	106	97145	55.670 ug/l	97
70) Styrene	10.653	104	163347	57.851 ug/l	98
71) Bromoform	10.799	173	38046	55.853 ug/l #	99
73) Isopropylbenzene	10.957	105	257226	57.476 ug/l	99
74) N-amyl acetate	10.842	43	124071	59.082 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89804	54.683 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92499	69.312 ug/l	85
77) Bromobenzene	11.195	156	58108	55.031 ug/l	96
78) n-propylbenzene	11.299	91	297988	58.944 ug/l	98
79) 2-Chlorotoluene	11.360	91	178182	55.342 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210225	58.095 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21020	53.903 ug/l	87
82) 4-Chlorotoluene	11.451	91	204674	58.329 ug/l	99
83) tert-Butylbenzene	11.713	119	211957	57.007 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	211733	58.152 ug/l	100
85) sec-Butylbenzene	11.890	105	266604	59.861 ug/l	99
86) p-Isopropyltoluene	12.006	119	216728	60.215 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	105903	56.221 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	105860	55.548 ug/l	98
89) n-Butylbenzene	12.329	91	193200	62.324 ug/l	100
90) Hexachloroethane	12.536	117	36208	55.617 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	108332	57.330 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18967	59.282 ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	63837	59.330 ug/l	99
94) Hexachlorobutadiene	13.725	225	25788	58.460 ug/l	97
95) Naphthalene	13.774	128	242871	58.751 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	67333	59.320 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 19 01:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

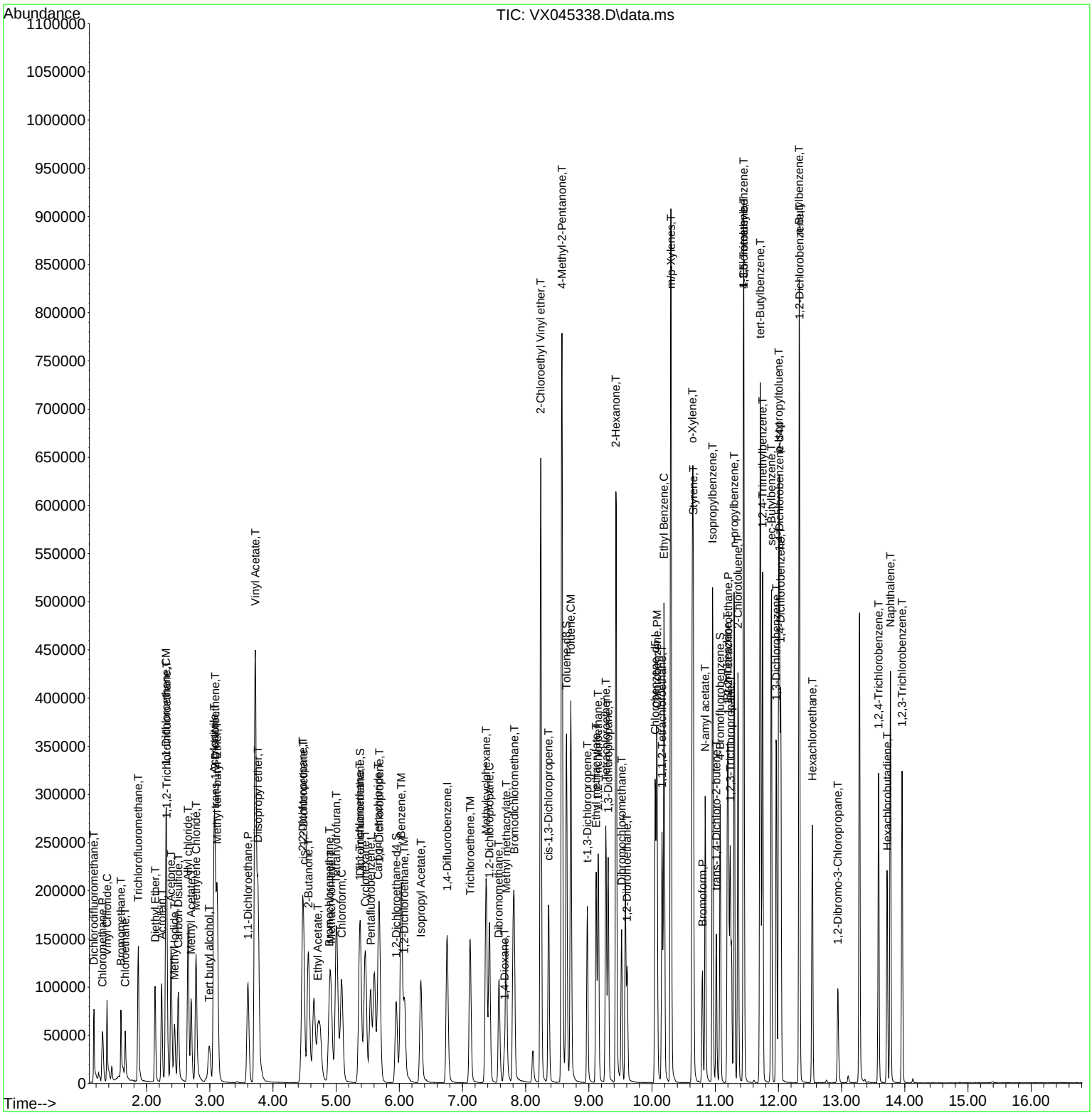
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

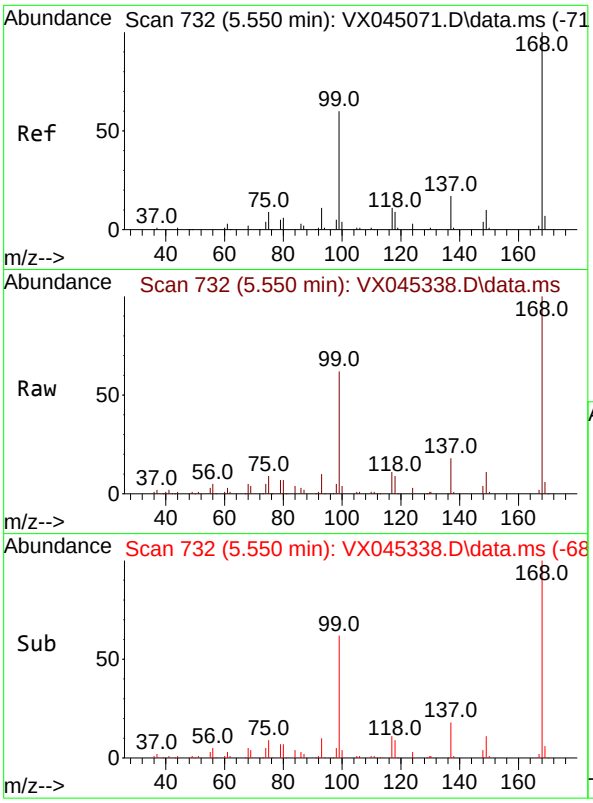
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
Data File : VX045338.D
Acq On : 18 Mar 2025 20:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 19 01:51:59 2025
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Response via : Initial Calibration



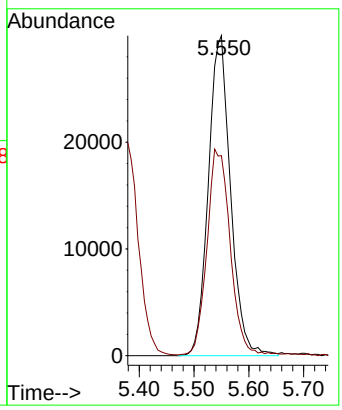


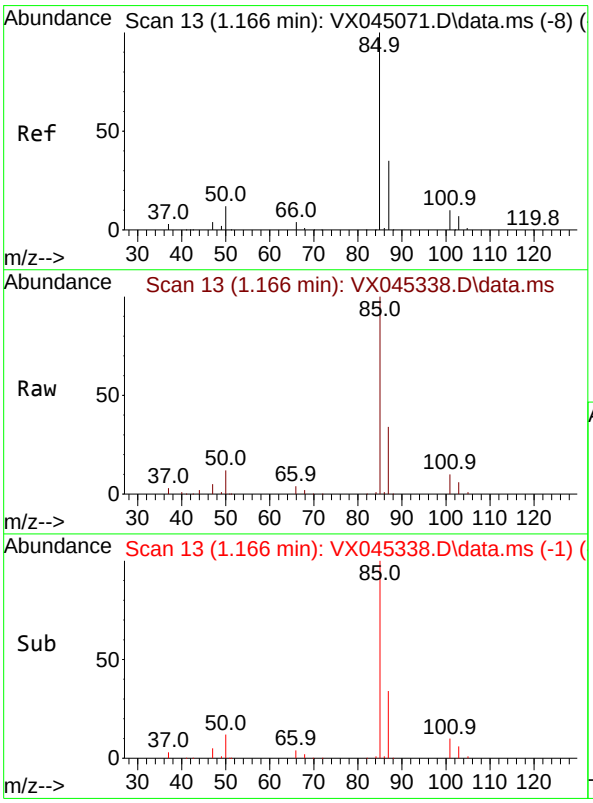
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 84125

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.4

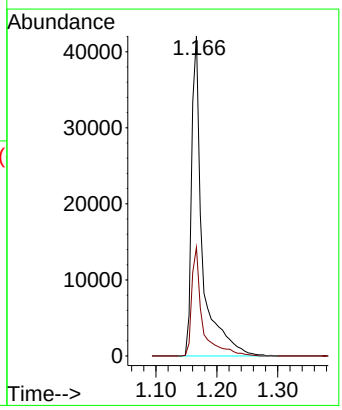


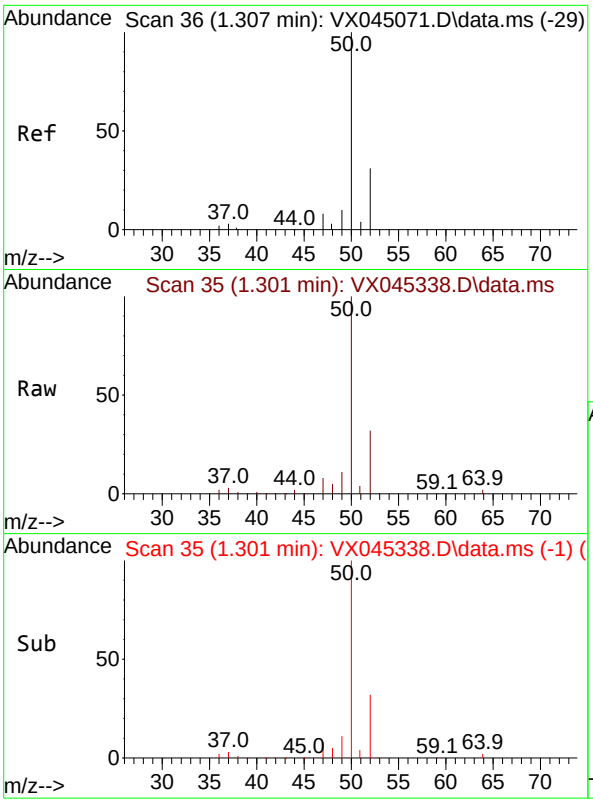


#2
Dichlorodifluoromethane
Concen: 48.729 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 85 Resp: 51601

Ion	Ratio	Lower	Upper
85	100		
87	34.0	17.4	52.3



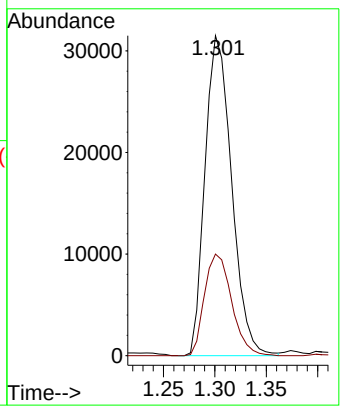


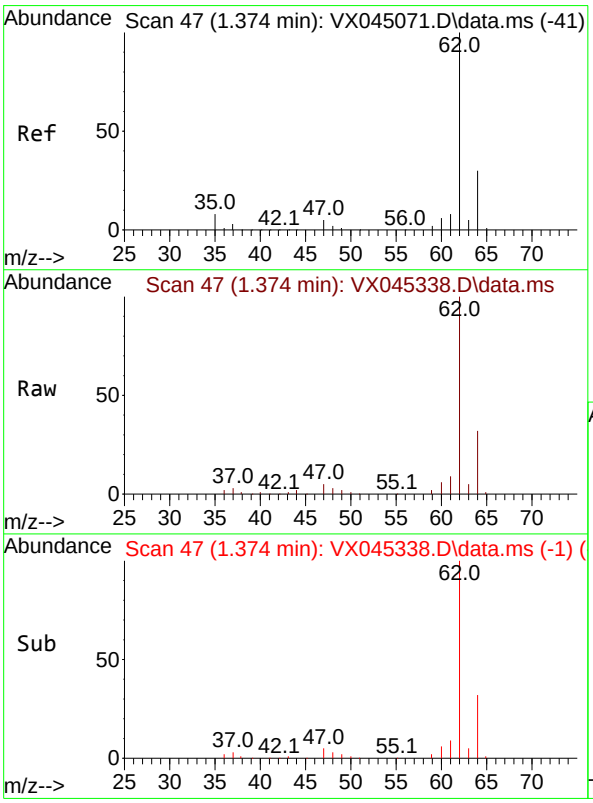
#3
Chloromethane
Concen: 43.793 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 56752

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

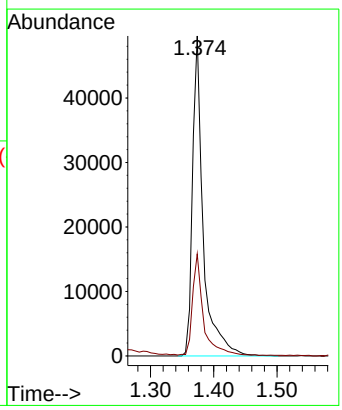


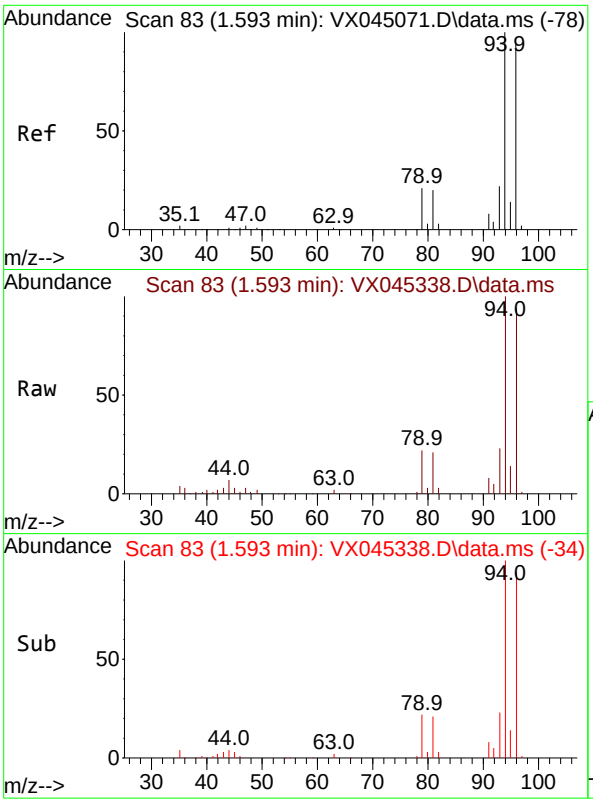


#4
Vinyl Chloride
Concen: 45.305 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 62 Resp: 58243

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.3	36.5



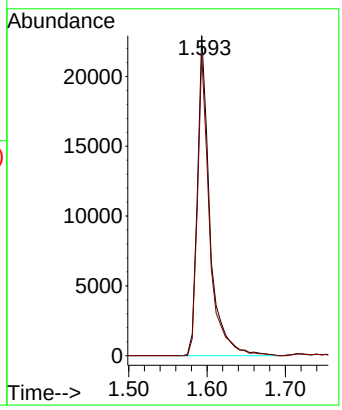


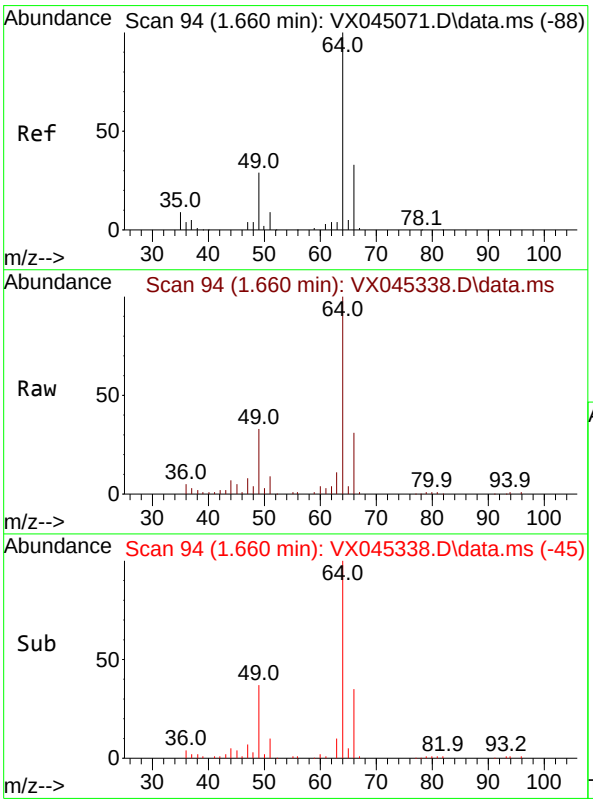
#5
Bromomethane
Concen: 49.983 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 25260

Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.0	112.4

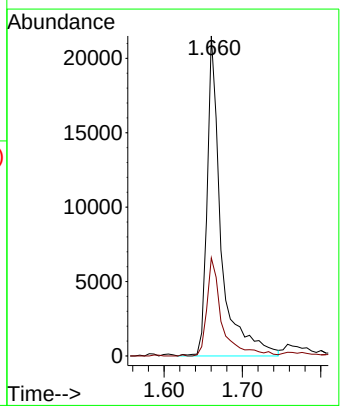


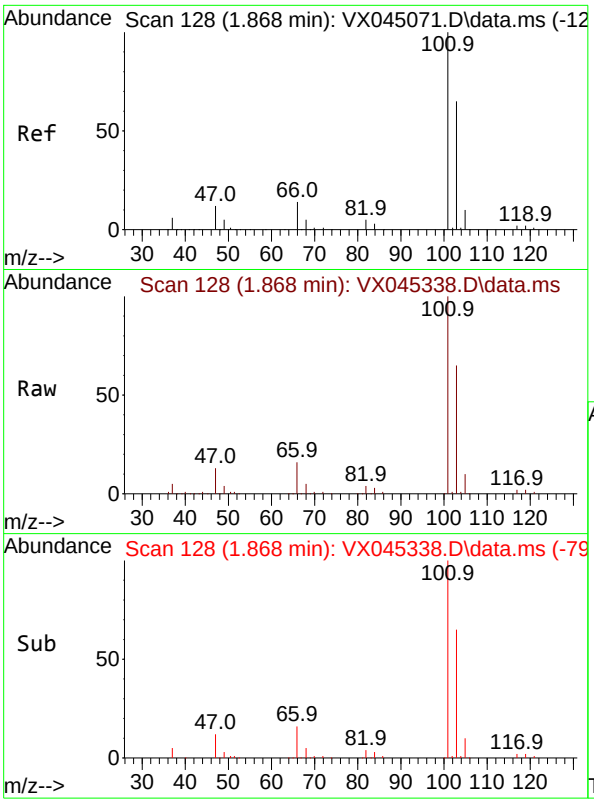


#6
Chloroethane
Concen: 44.936 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 64 Resp: 26646

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.7	40.1



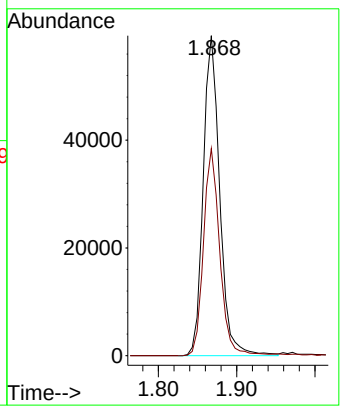


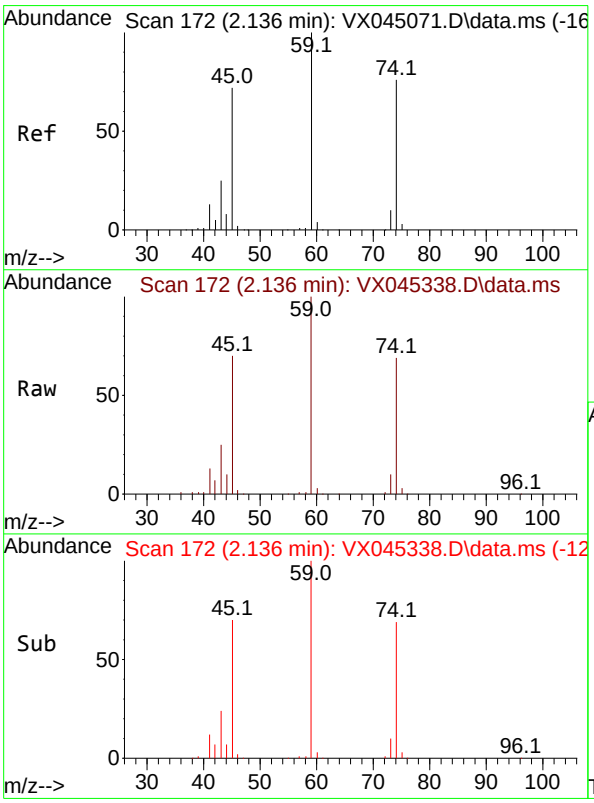
#7
Trichlorofluoromethane
Concen: 50.964 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 86733

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

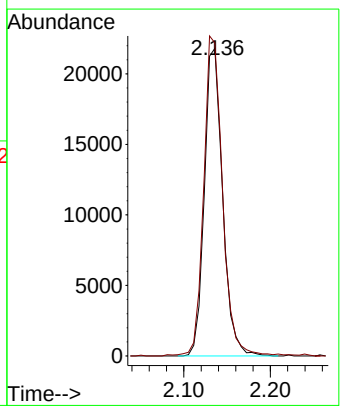


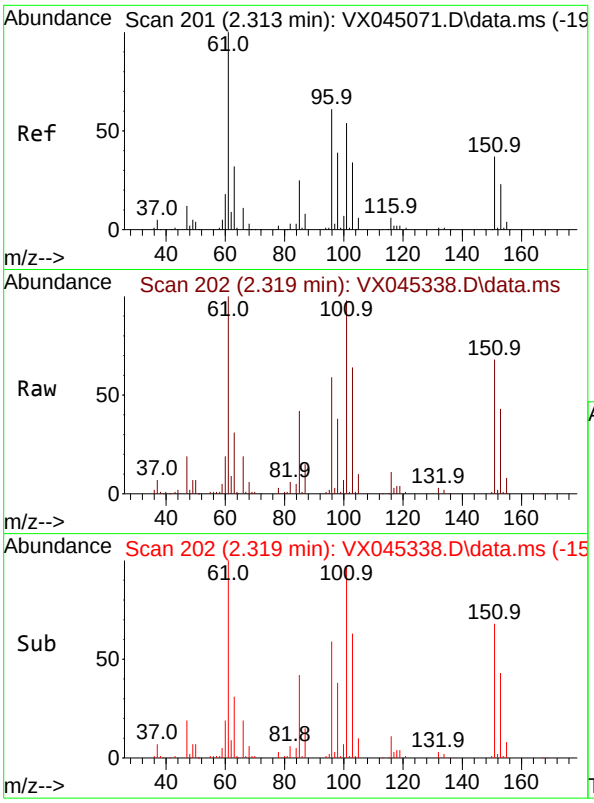


#8
Diethyl Ether
Concen: 47.945 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 74 Resp: 31915

Ion	Ratio	Lower	Upper
74	100		
45	107.5	51.5	154.5



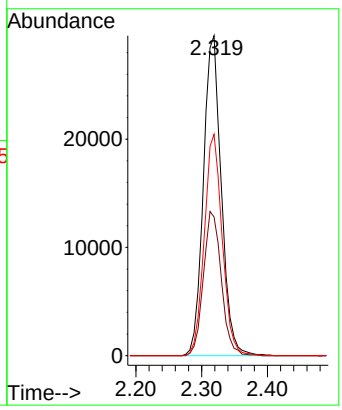


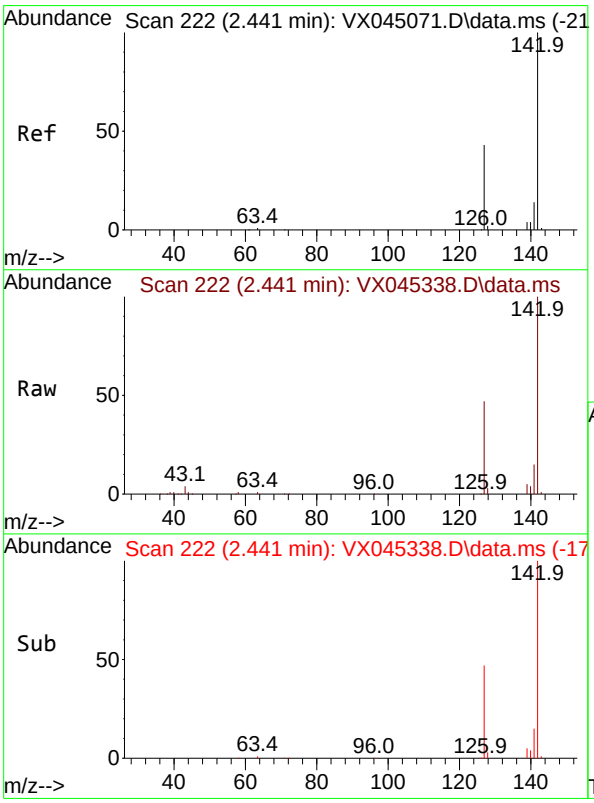
#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.352 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 56075

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	69.2	56.4	84.6

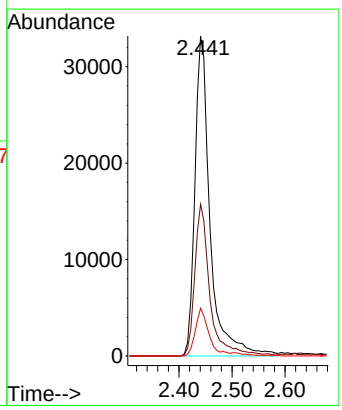


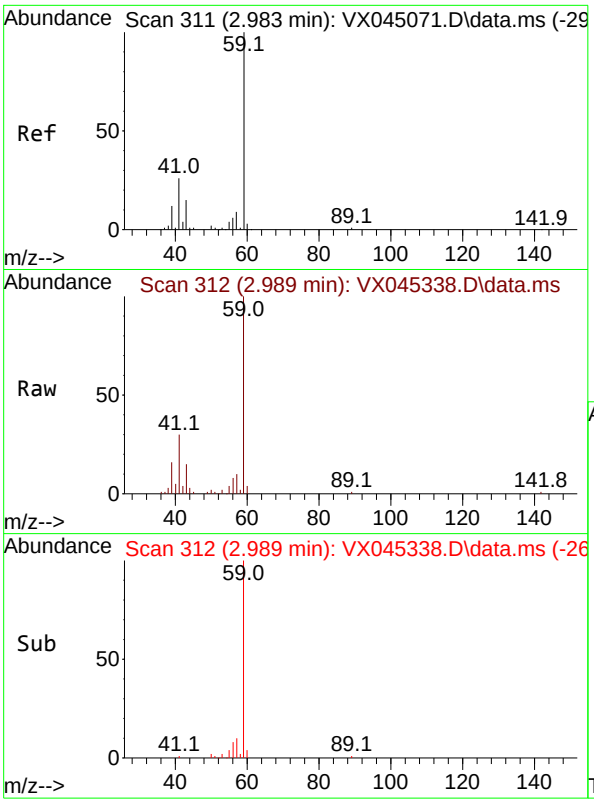


#10
Methyl Iodide
Concen: 53.969 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:142 Resp: 65943

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.4	53.2
141	14.2	11.6	17.4



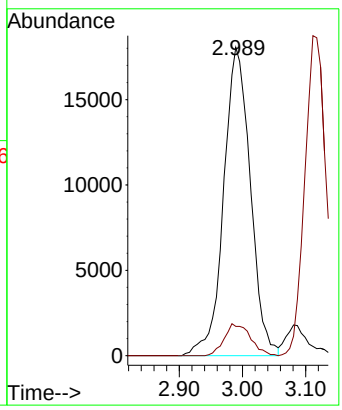


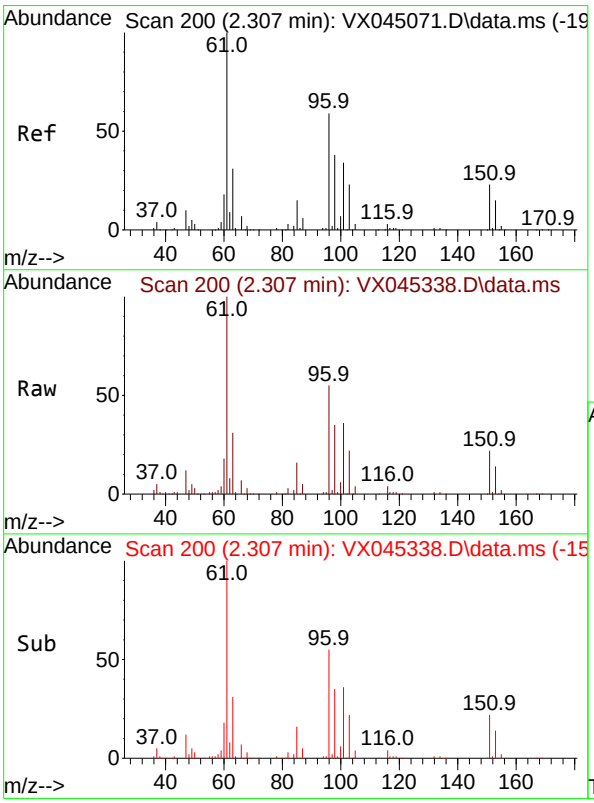
#11
Tert butyl alcohol
Concen: 209.210 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 53027

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

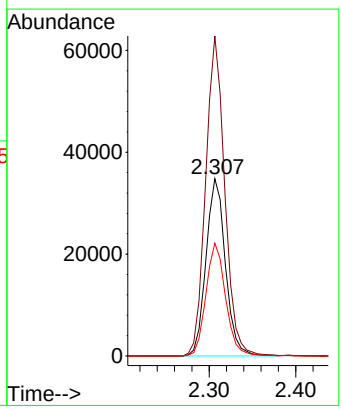


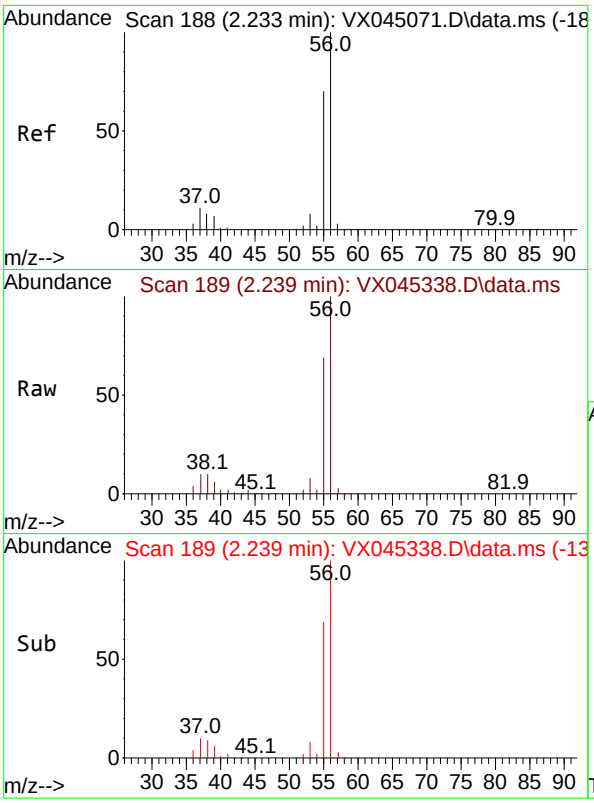


#12
1,1-Dichloroethene
Concen: 52.468 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 96 Resp: 54237

Ion	Ratio	Lower	Upper
96	100		
61	180.5	134.6	202.0
98	63.7	51.0	76.6



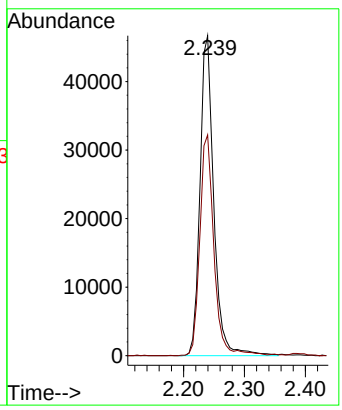


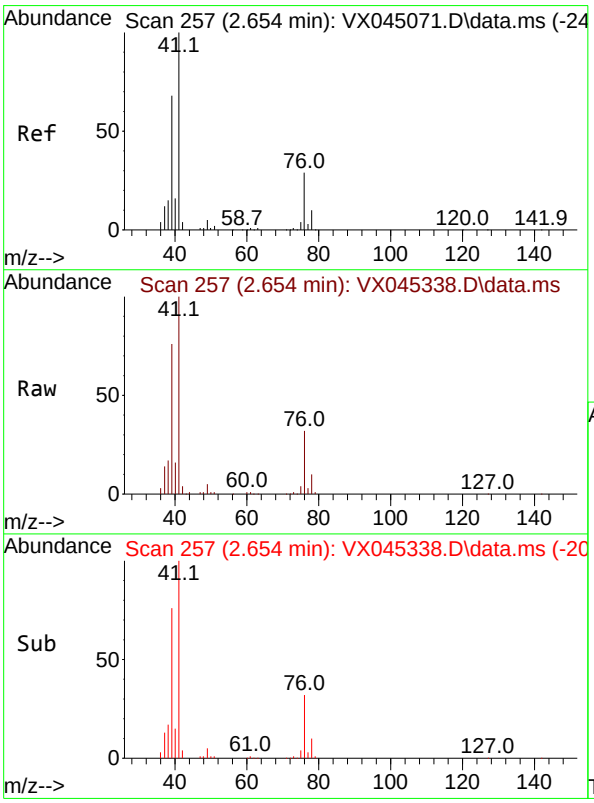
#13
Acrolein
Concen: 250.658 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 73442

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4

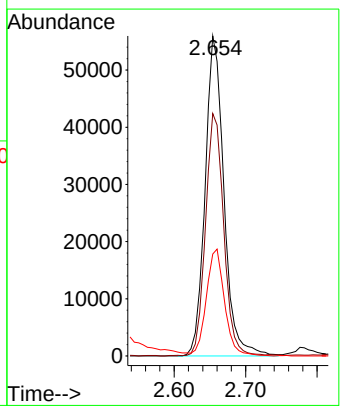


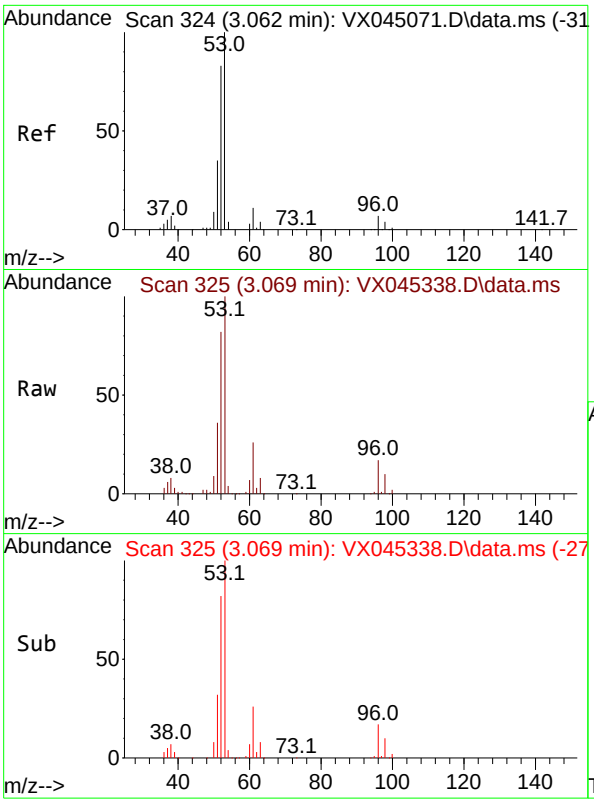


#14
Allyl chloride
Concen: 55.680 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 41 Resp: 102455

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.3	25.2	37.8



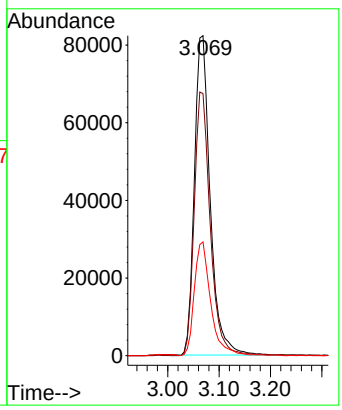


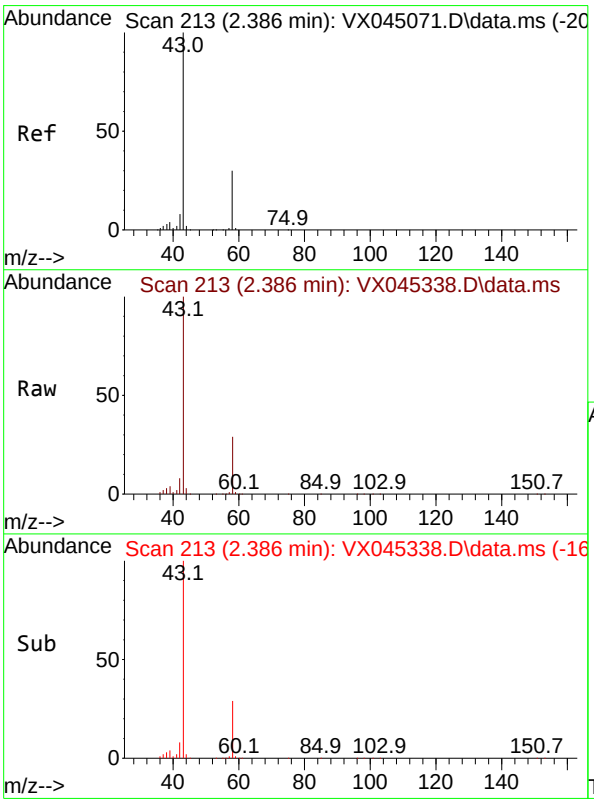
#15
Acrylonitrile
Concen: 259.486 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 176272

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.7	29.0	43.4

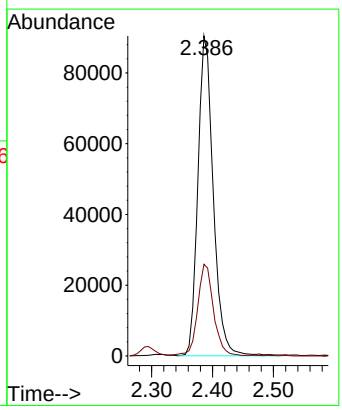


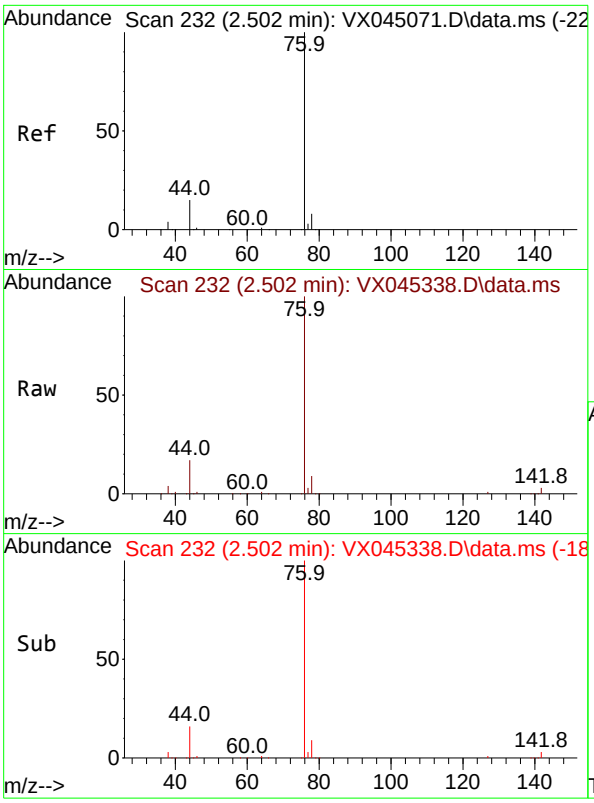


#16
Acetone
Concen: 255.968 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 158918

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4



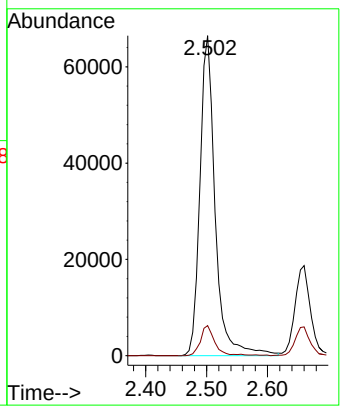


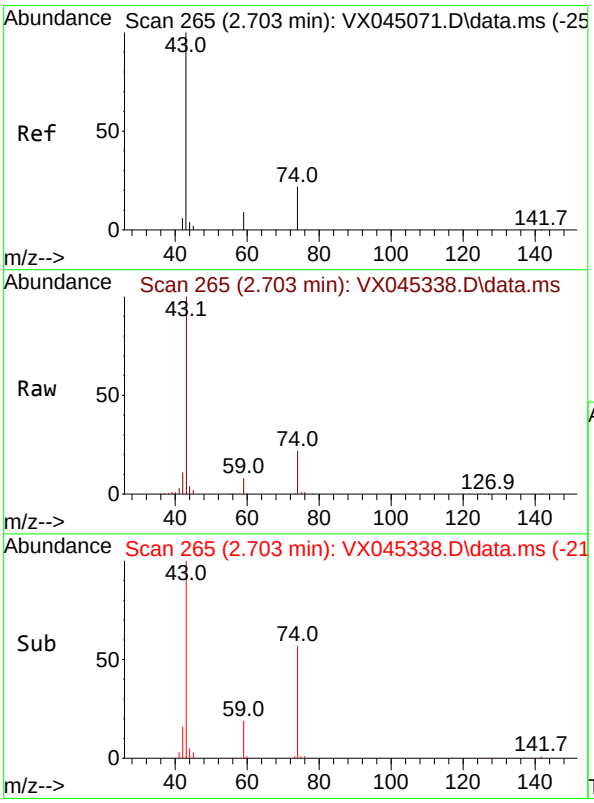
#17
Carbon Disulfide
Concen: 42.049 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 115773

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8

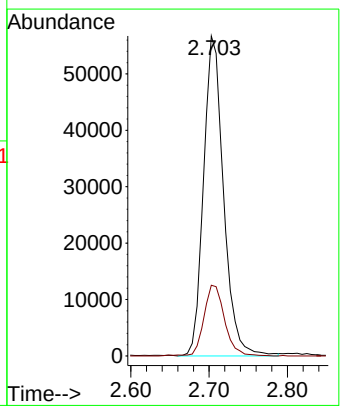


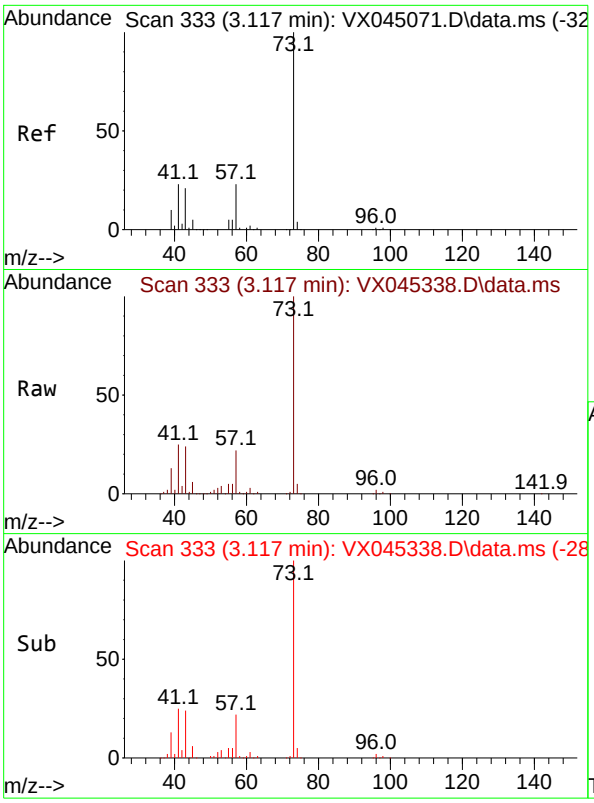


#18
Methyl Acetate
Concen: 67.463 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 100760

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



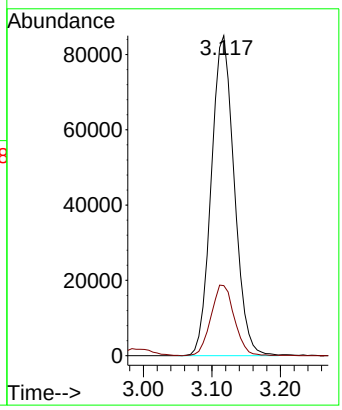


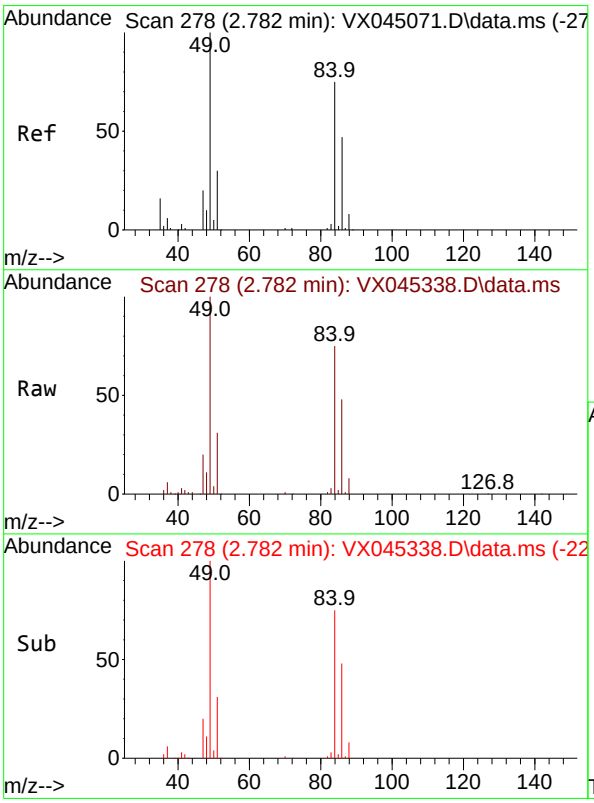
#19
Methyl tert-butyl Ether
Concen: 56.941 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 197477

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7

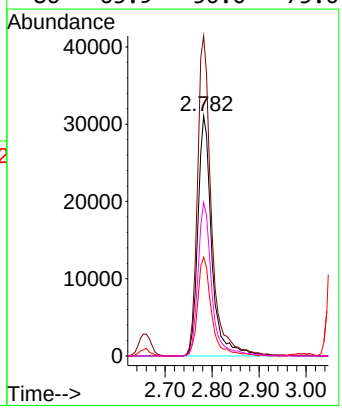


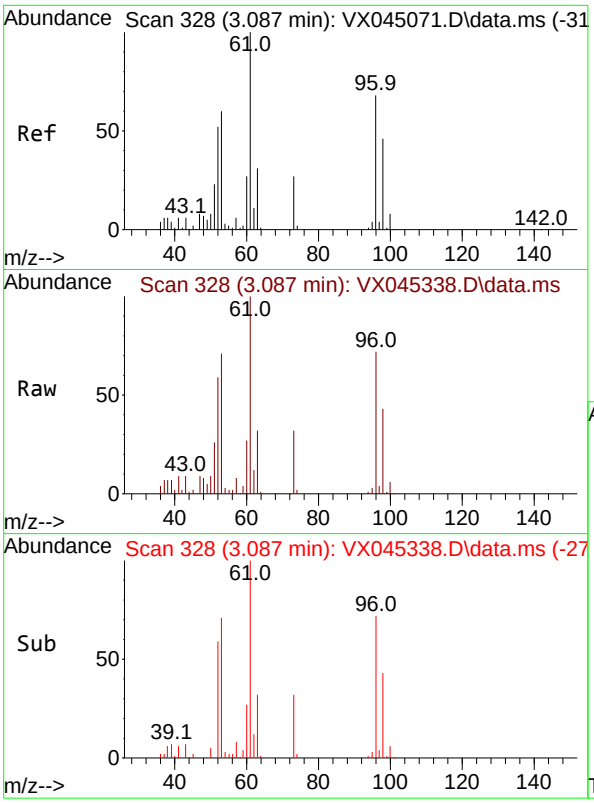


#20
Methylene Chloride
Concen: 52.125 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 84 Resp: 64105

Ion	Ratio	Lower	Upper
84	100		
49	133.3	106.5	159.7
51	41.1	32.1	48.1
86	63.9	50.0	75.0



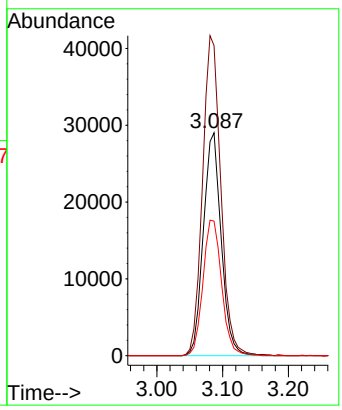


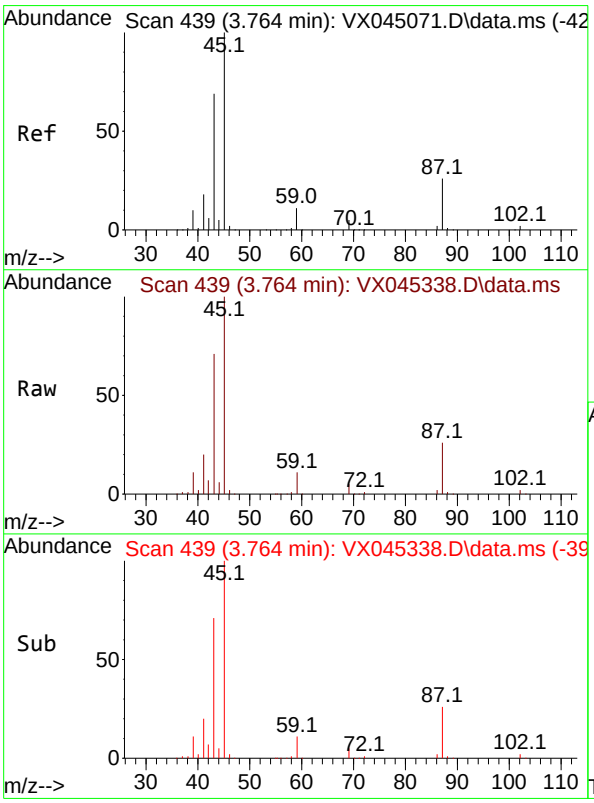
#21
trans-1,2-Dichloroethene
Concen: 53.680 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 54820

Ion	Ratio	Lower	Upper
96	100		
61	139.1	117.0	175.4
98	60.4	53.4	80.2

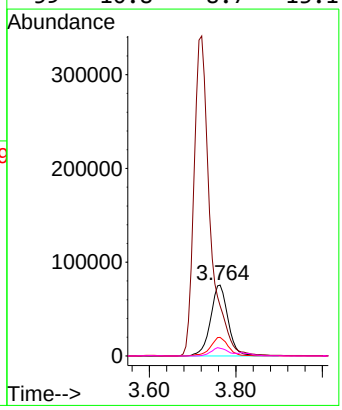


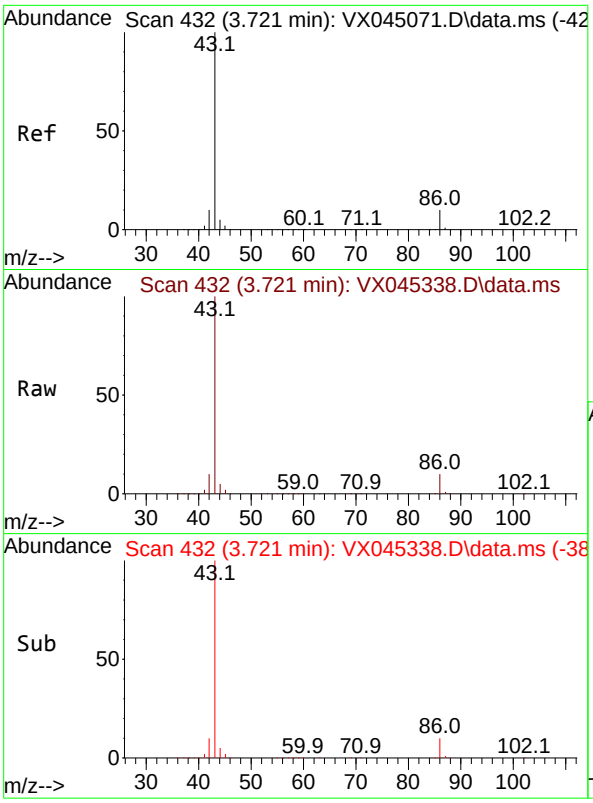


#22
Diisopropyl ether
Concen: 56.869 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 45 Resp: 212818

Ion	Ratio	Lower	Upper
45	100		
43	70.7	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1



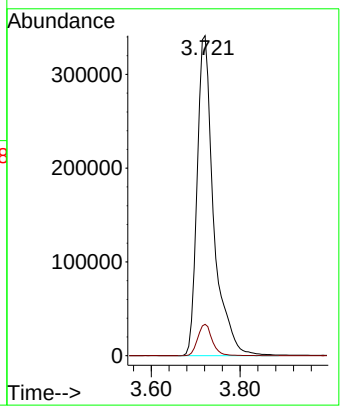


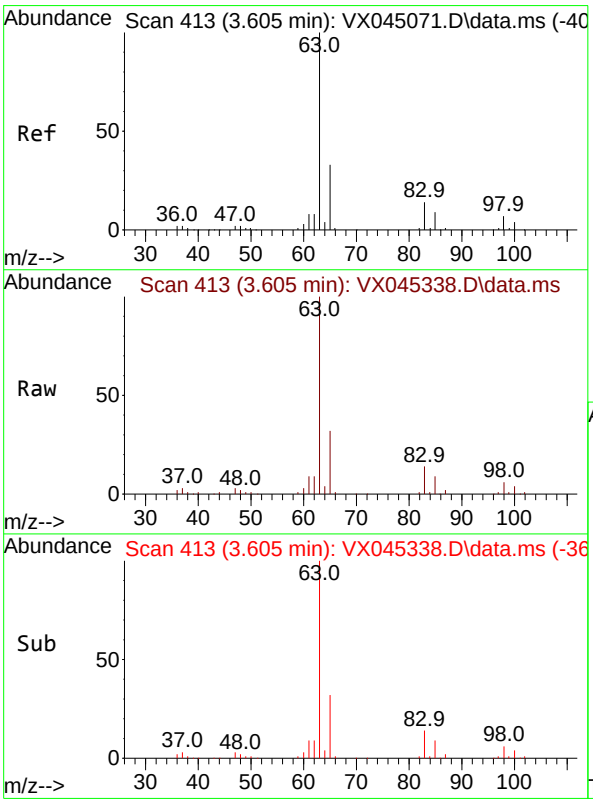
#23
Vinyl Acetate
Concen: 283.056 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 883964

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

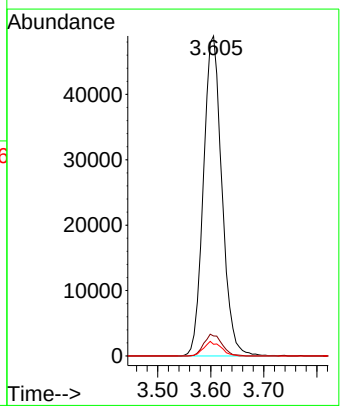


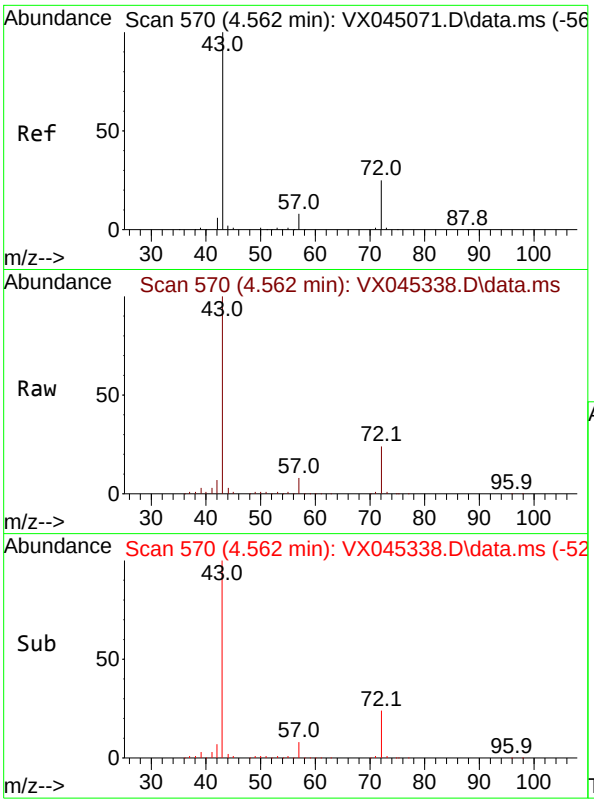


#24
1,1-Dichloroethane
Concen: 56.414 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 63 Resp: 118316

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.2
100	3.6	2.1	6.5



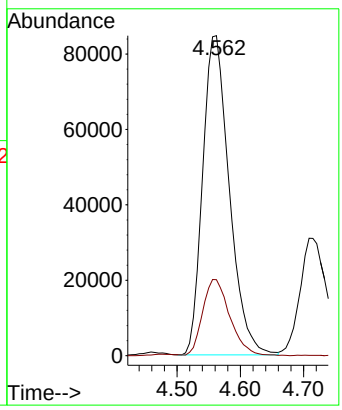


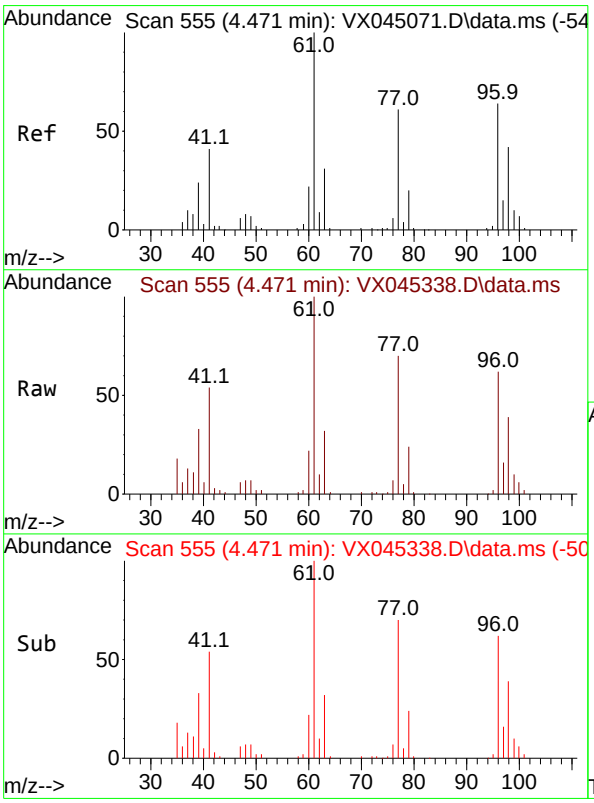
#25
2-Butanone
Concen: 265.213 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 247851

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.0	30.0

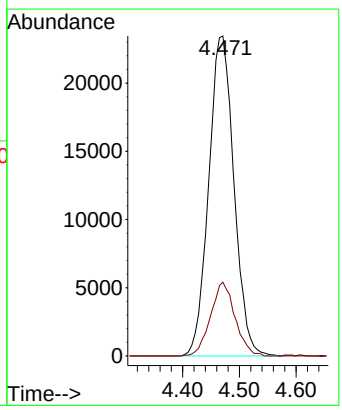


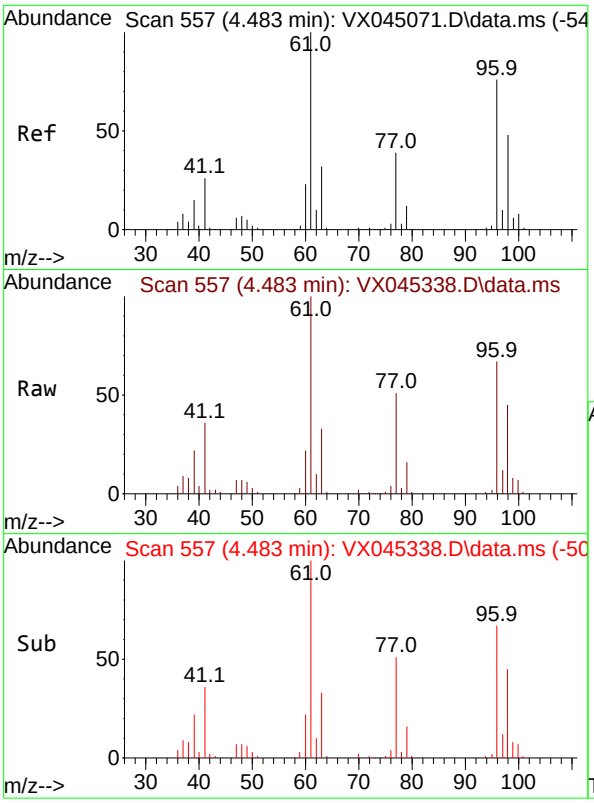


#26
2,2-Dichloropropane
Concen: 73.651 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 77 Resp: 72453

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0



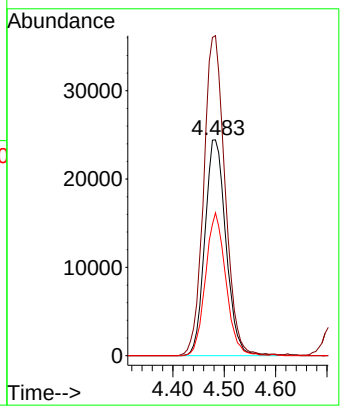


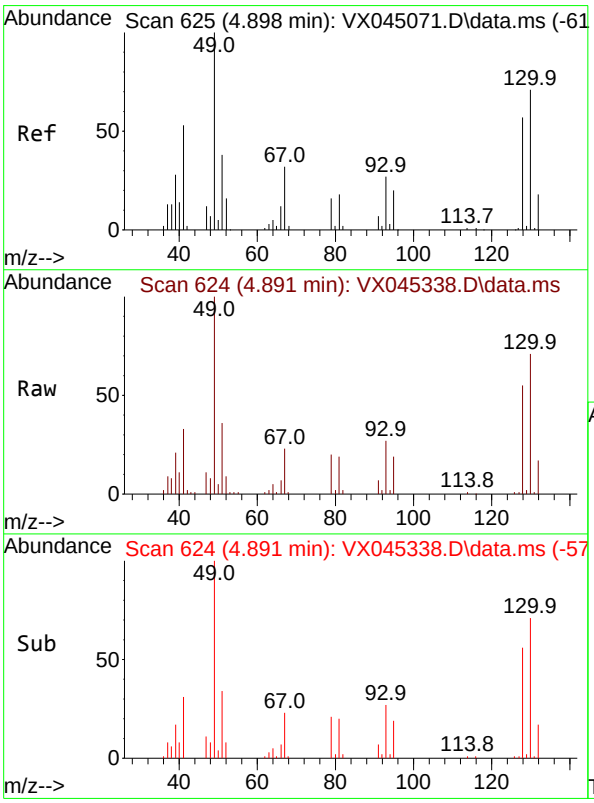
#27
cis-1,2-Dichloroethene
Concen: 55.166 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 69546

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	283.2
98	63.9	0.0	128.0

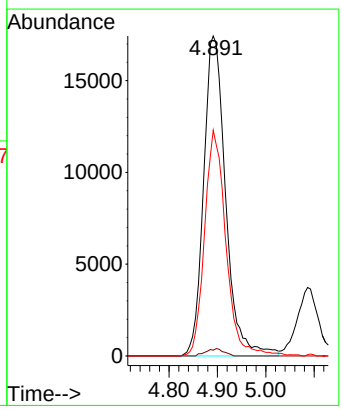


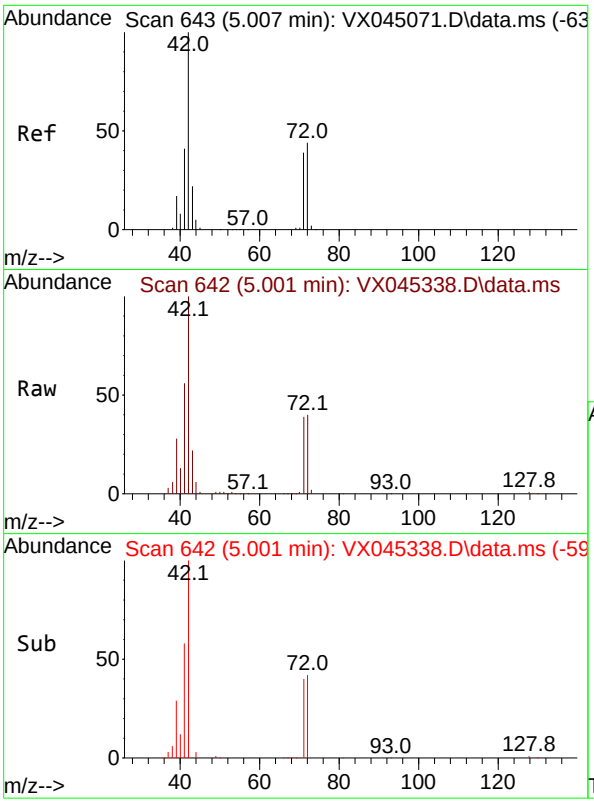


#28
Bromochloromethane
Concen: 55.186 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 49 Resp: 55167

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.4	56.1	84.1



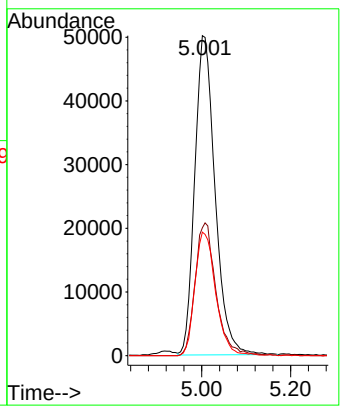


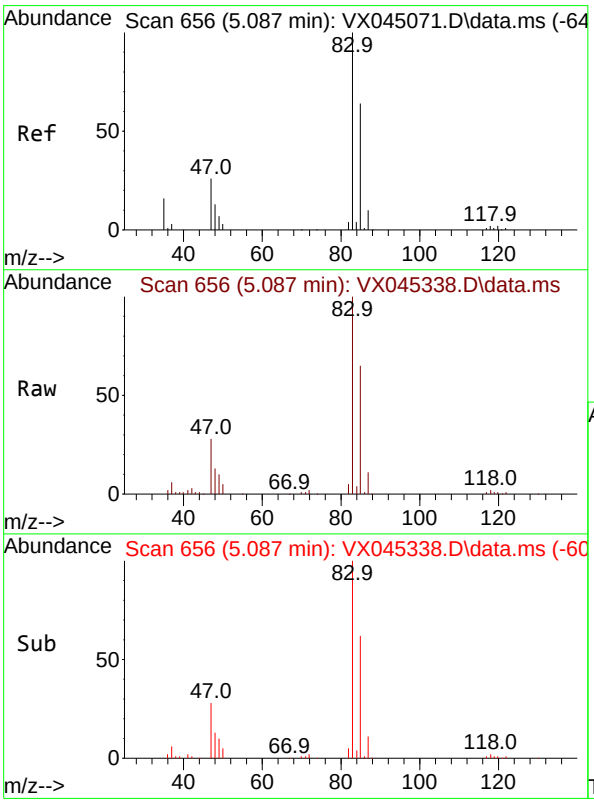
#29
Tetrahydrofuran
Concen: 254.403 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 159660

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.1	51.1
71	39.7	31.4	47.0

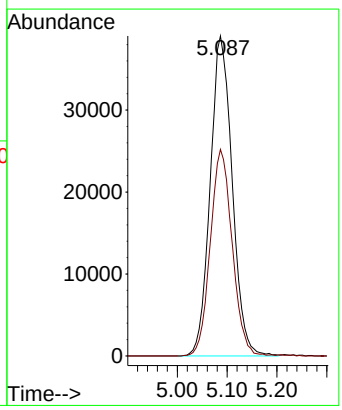


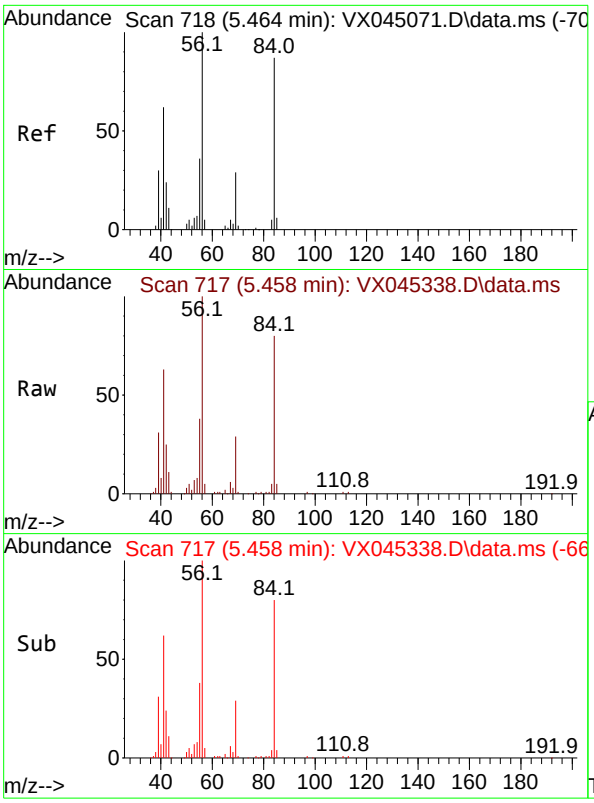


#30
Chloroform
Concen: 57.373 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 83 Resp: 119558

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2



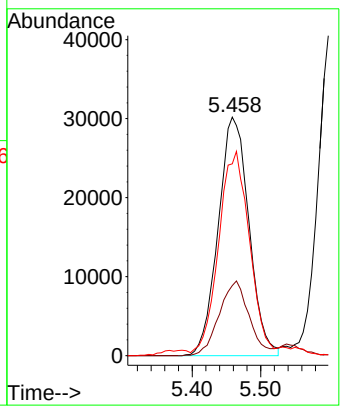


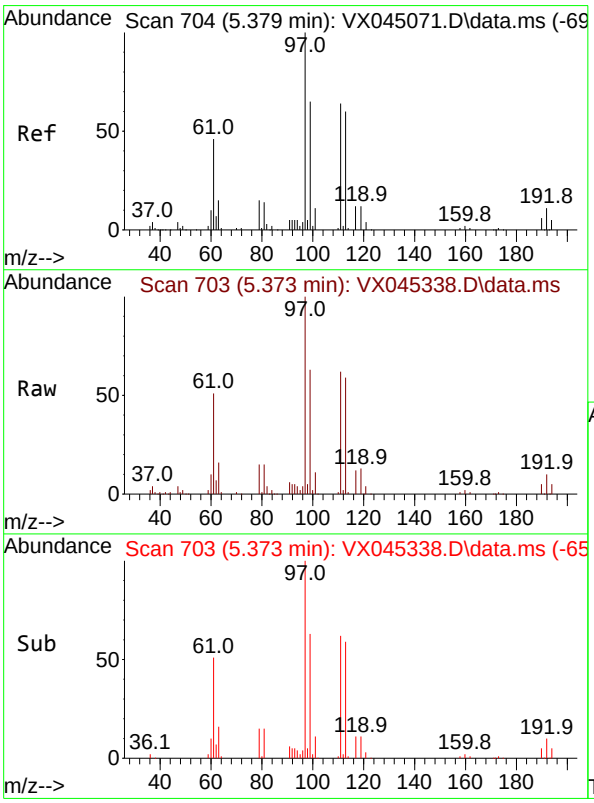
#31
Cyclohexane
Concen: 51.717 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 94154

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	78.3	69.4	104.2

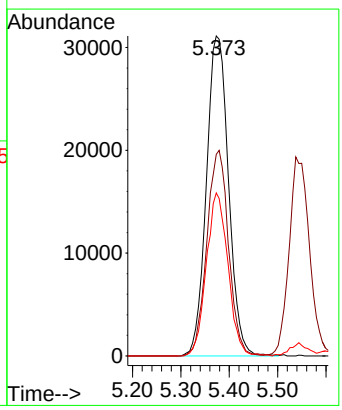


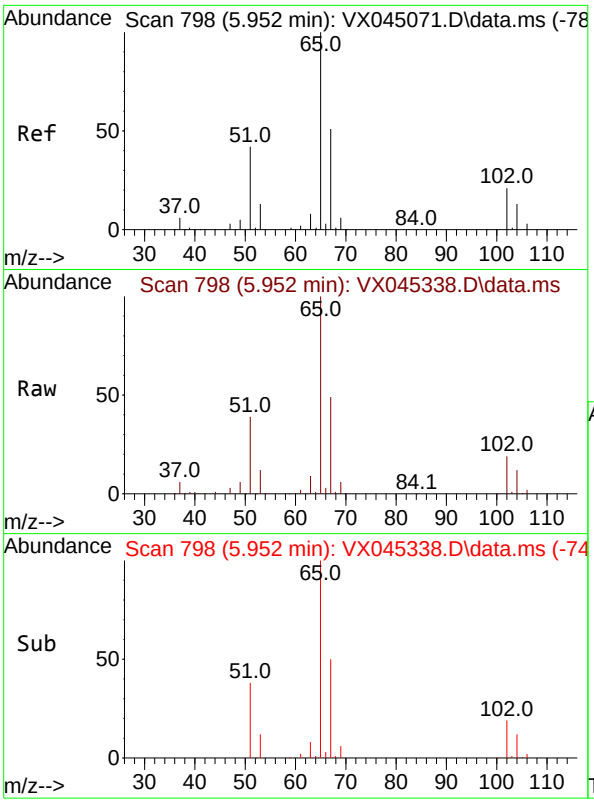


#32
1,1,1-Trichloroethane
Concen: 58.821 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 97 Resp: 98999

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	49.9	38.4	57.6



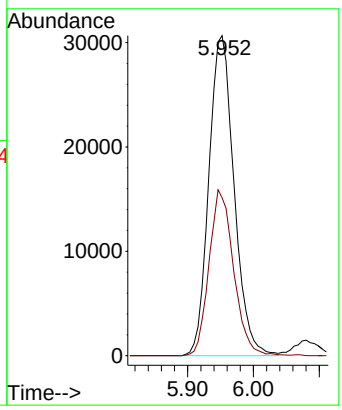


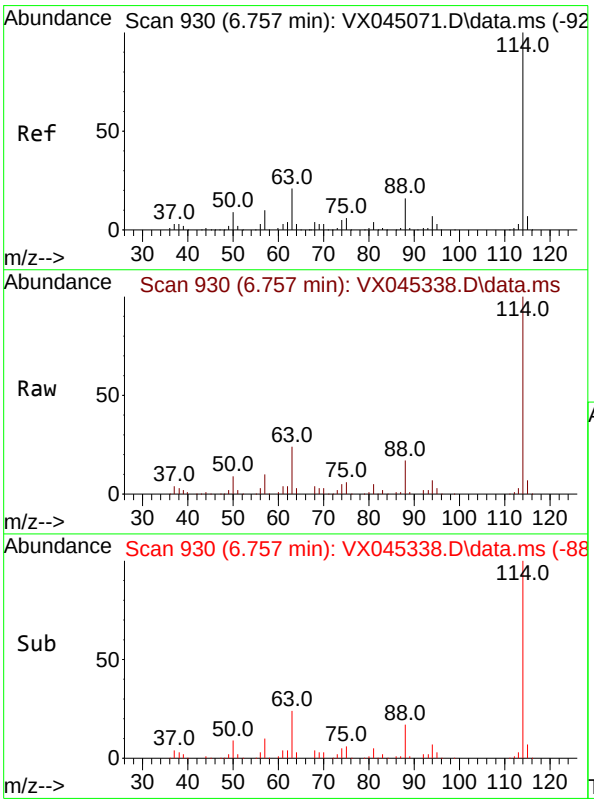
#33
1,2-Dichloroethane-d4
Concen: 61.200 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 81893

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

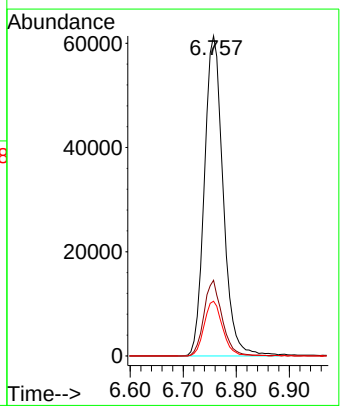


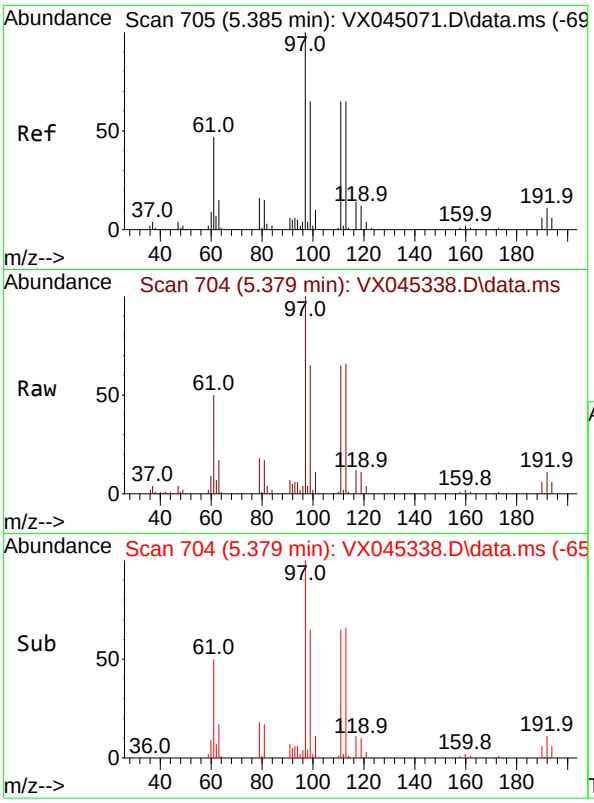


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:114 Resp: 150662

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	17.1	0.0	32.8



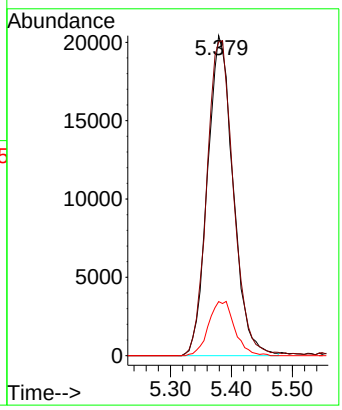


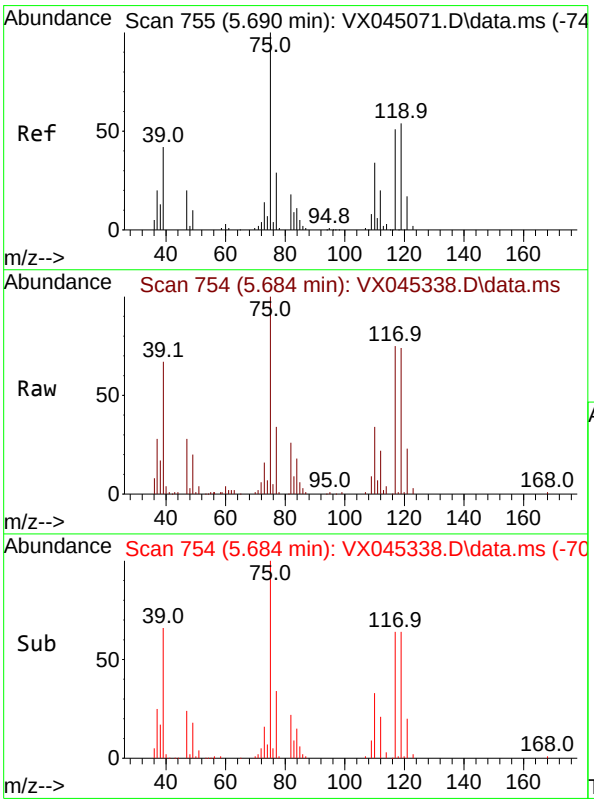
#35
Dibromofluoromethane
Concen: 59.296 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 59737

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.2	14.3	21.5

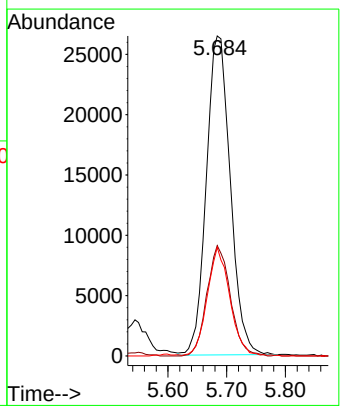


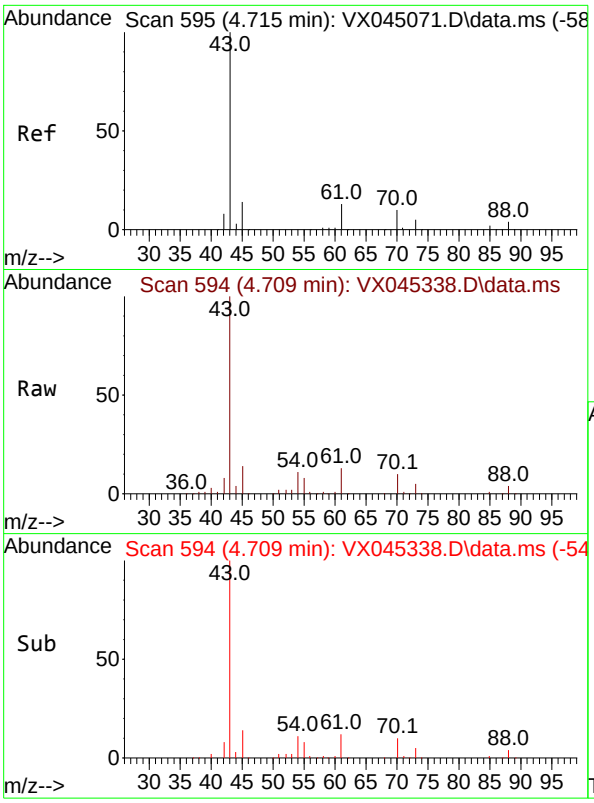


#36
1,1-Dichloropropene
Concen: 54.316 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 75043

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	32.2	24.5	36.7



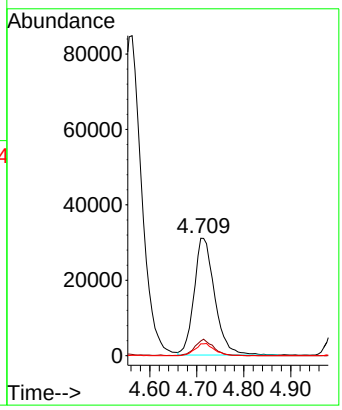


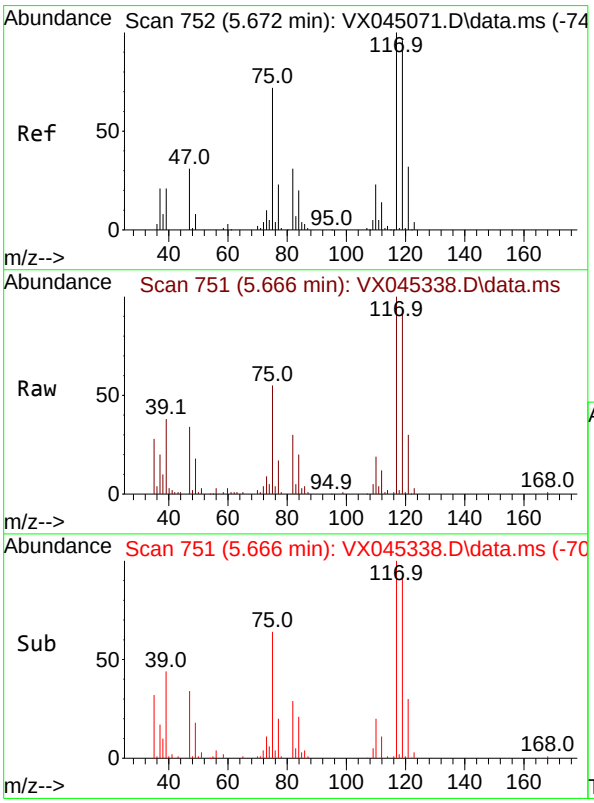
#37
Ethyl Acetate
Concen: 53.112 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 94554

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.7	7.7	11.5

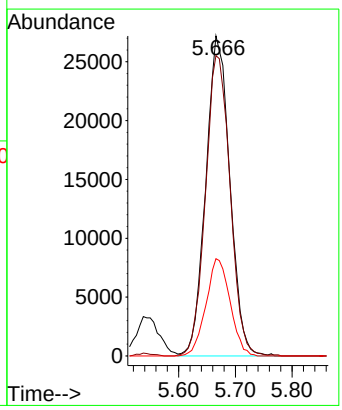


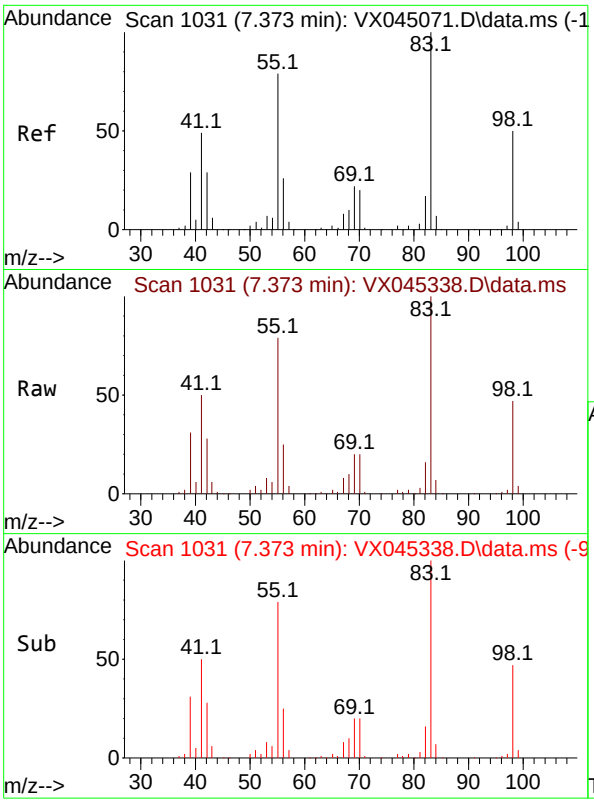


#38
Carbon Tetrachloride
Concen: 57.276 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:117 Resp: 80339

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.7	115.1
121	30.4	25.5	38.3



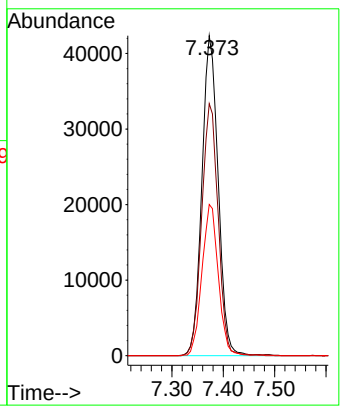


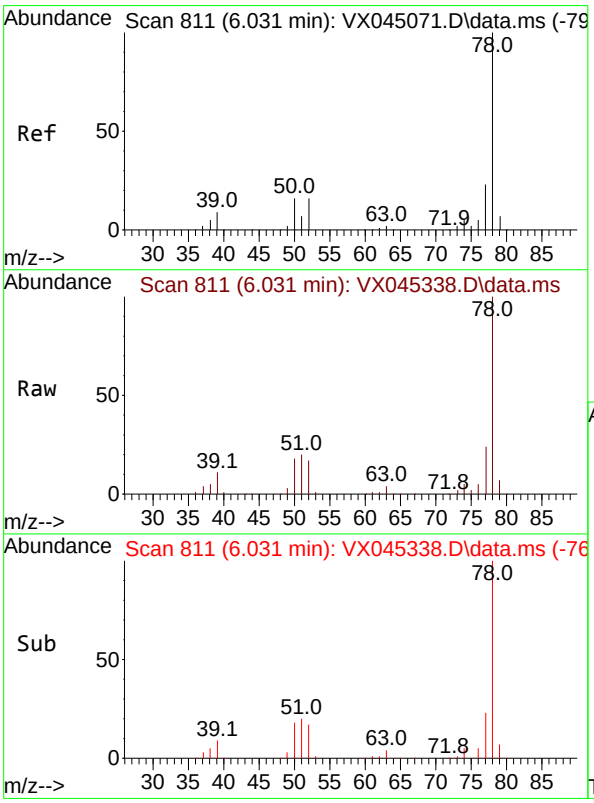
#39
Methylcyclohexane
Concen: 56.101 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 92874

Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.0	94.4
98	47.3	39.7	59.5

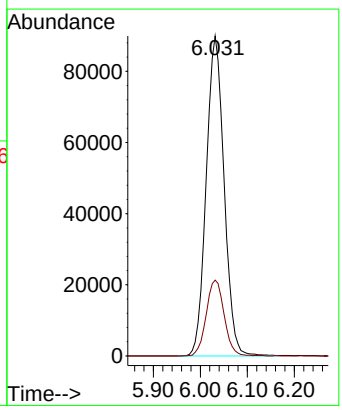


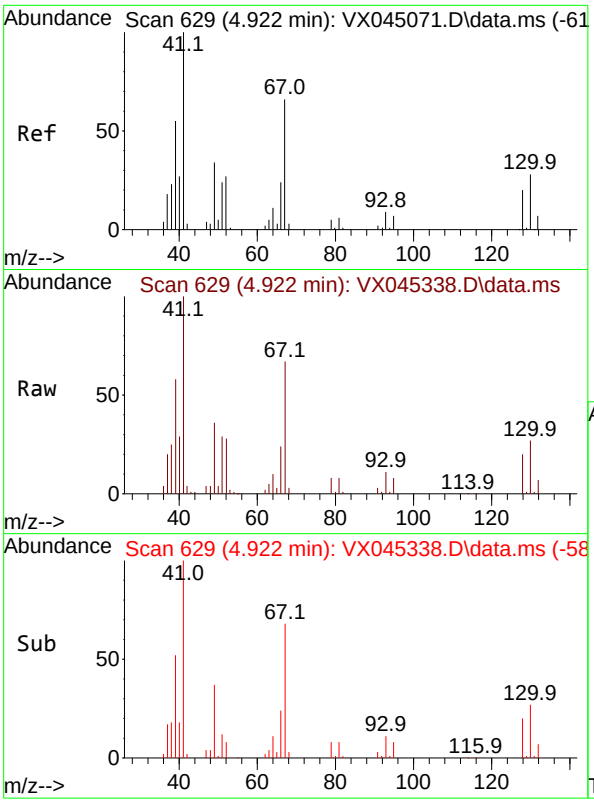


#40
Benzene
Concen: 54.440 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 78 Resp: 237509

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



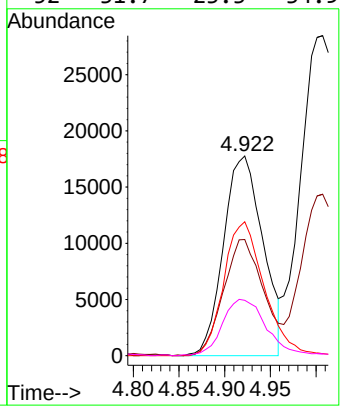


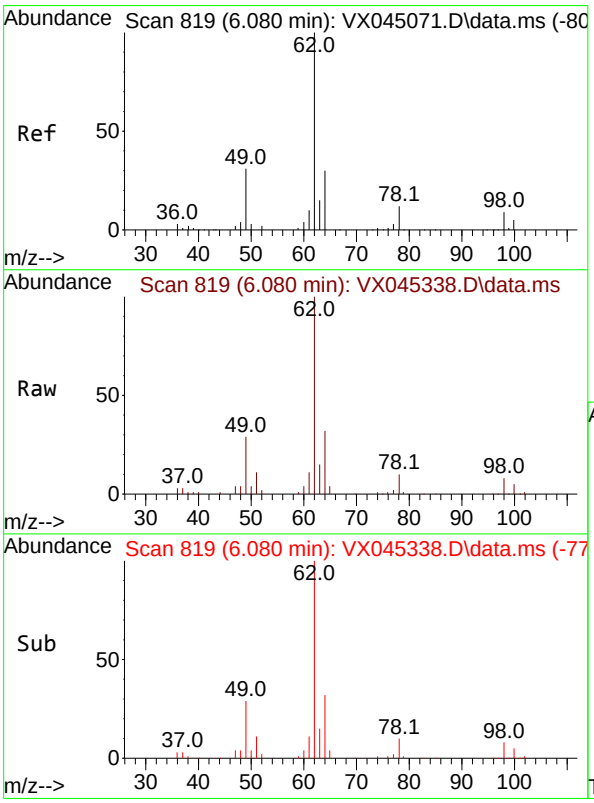
#41
Methacrylonitrile
Concen: 55.396 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 53326

Ion	Ratio	Lower	Upper
41	100		
39	60.0	44.6	67.0
67	69.2	53.9	80.9
52	31.7	23.3	34.9

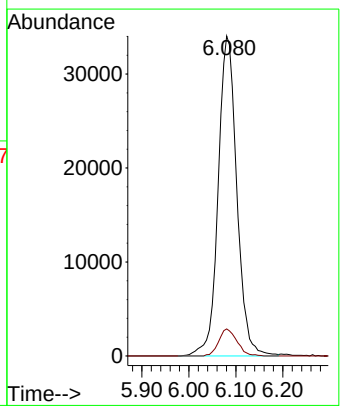


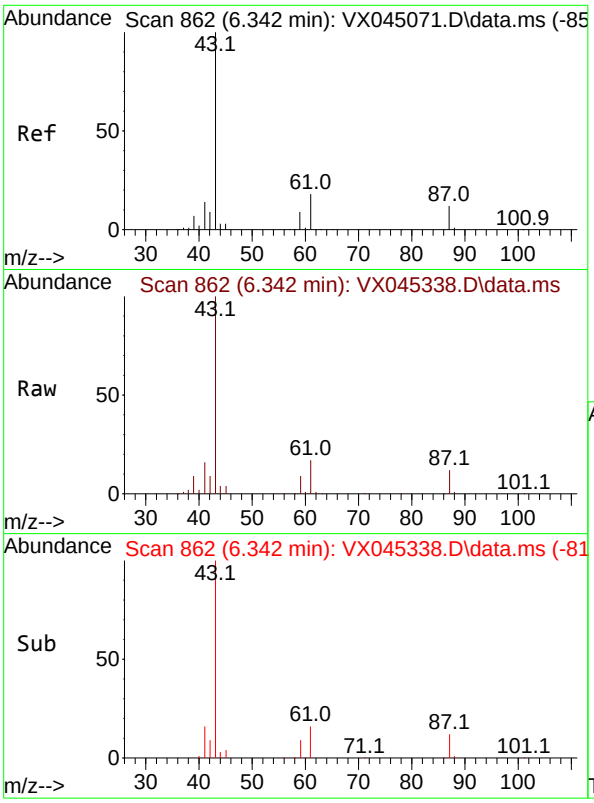


#42
1,2-Dichloroethane
Concen: 59.907 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 62 Resp: 94116

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.2



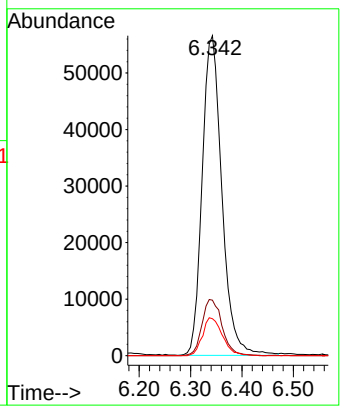


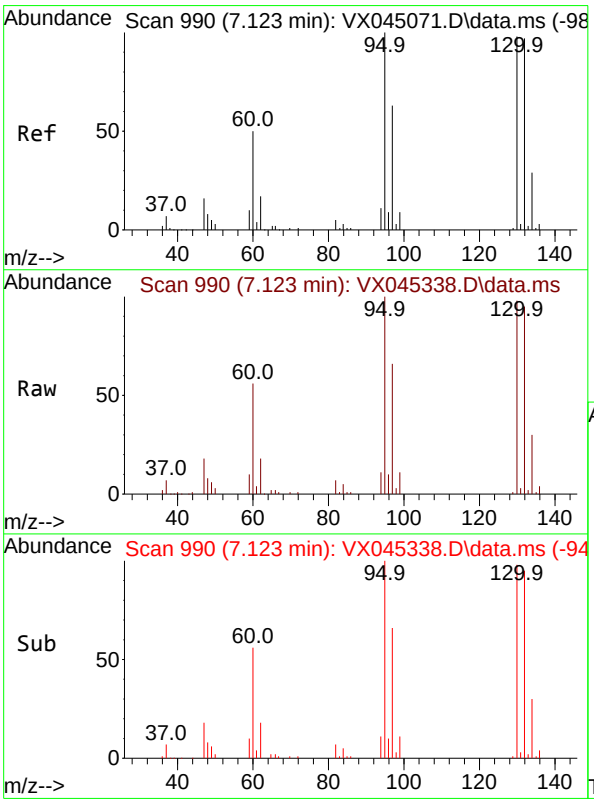
#43
Isopropyl Acetate
Concen: 57.177 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 150519

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	12.0	9.4	14.2

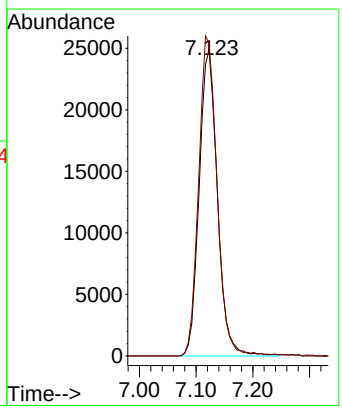


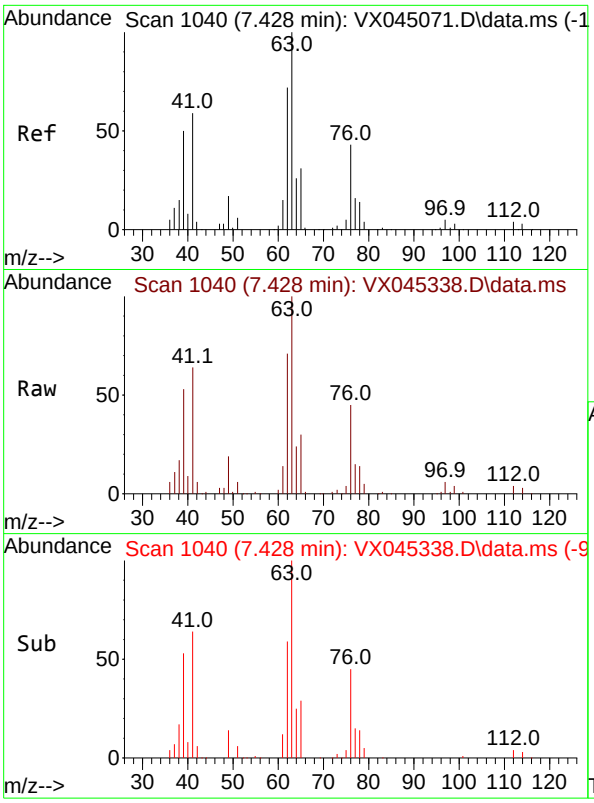


#44
Trichloroethene
Concen: 54.201 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:130 Resp: 55524

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.0



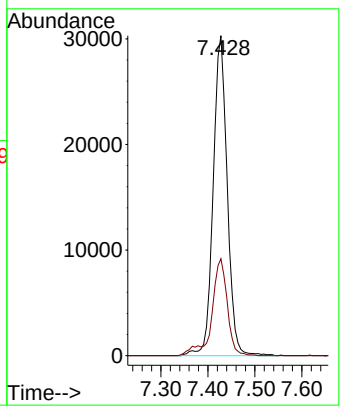


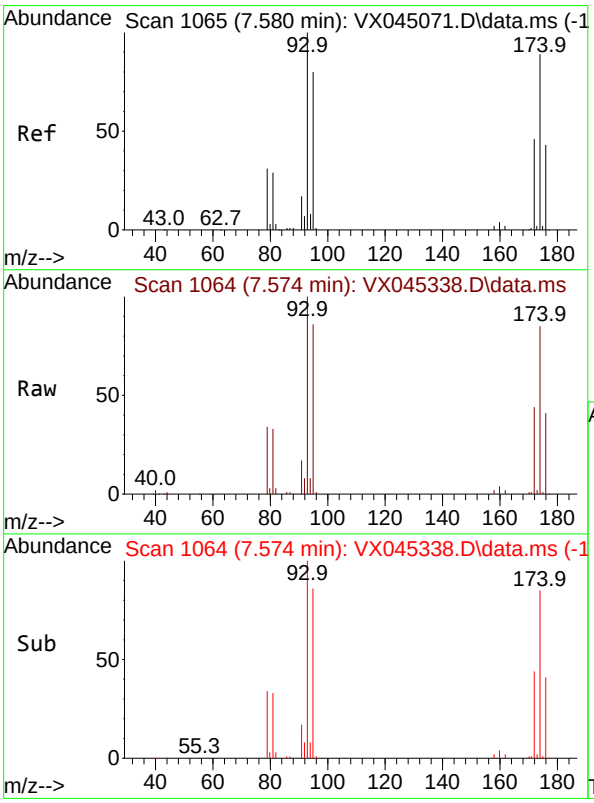
#45
1,2-Dichloropropane
Concen: 56.158 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 62993

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

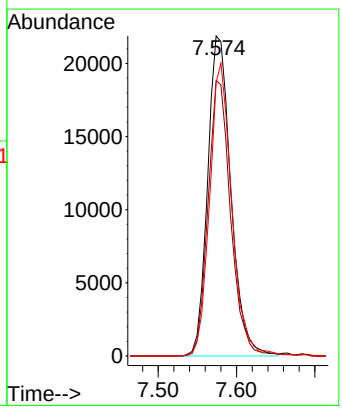


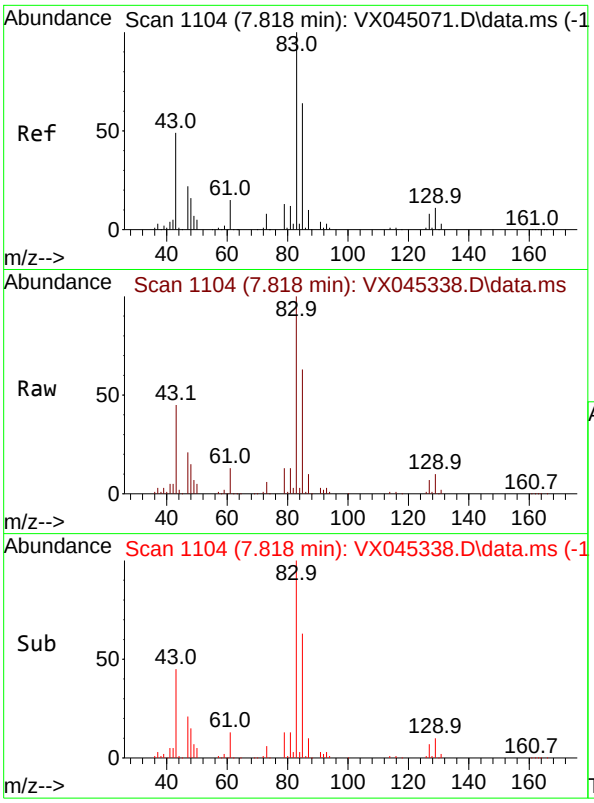


#46
Dibromomethane
Concen: 56.759 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 93 Resp: 45001

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.8	98.8
174	87.8	72.2	108.2



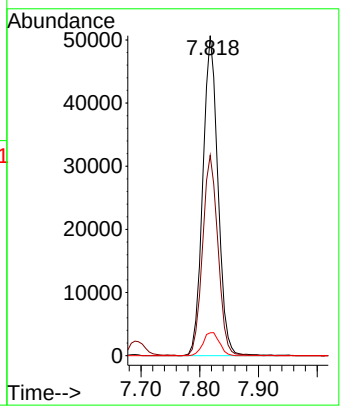


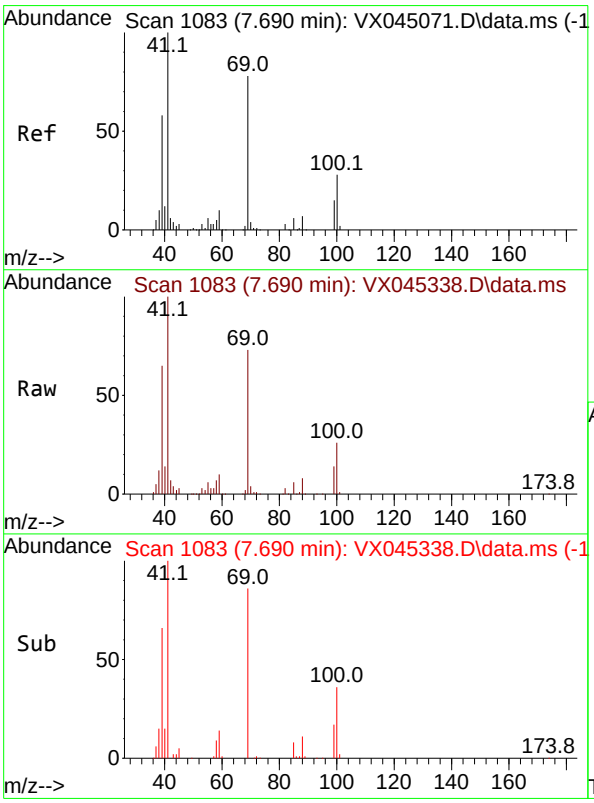
#47
Bromodichloromethane
Concen: 58.336 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 90721

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	7.1	6.4	9.6

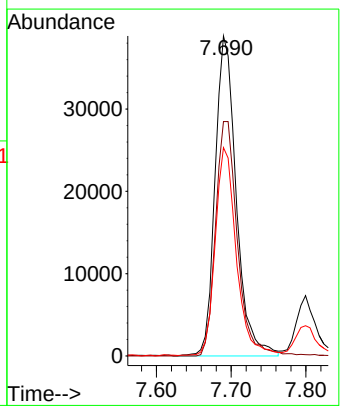


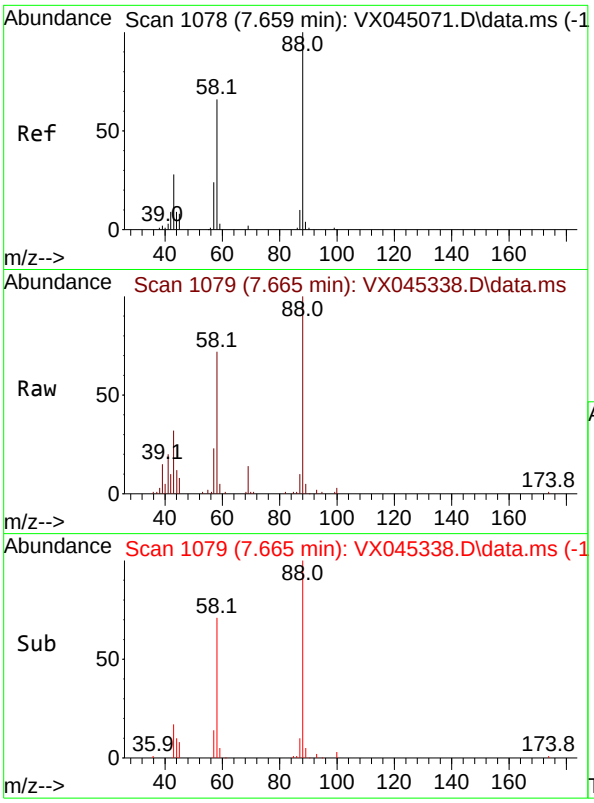


#48
Methyl methacrylate
Concen: 57.992 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 41 Resp: 76591

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	64.5	47.5	71.3



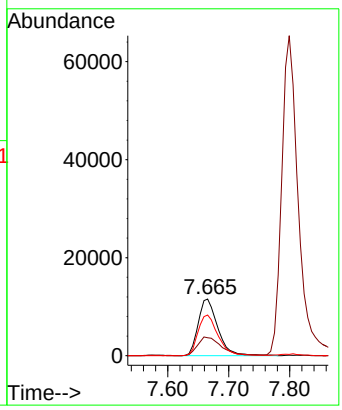


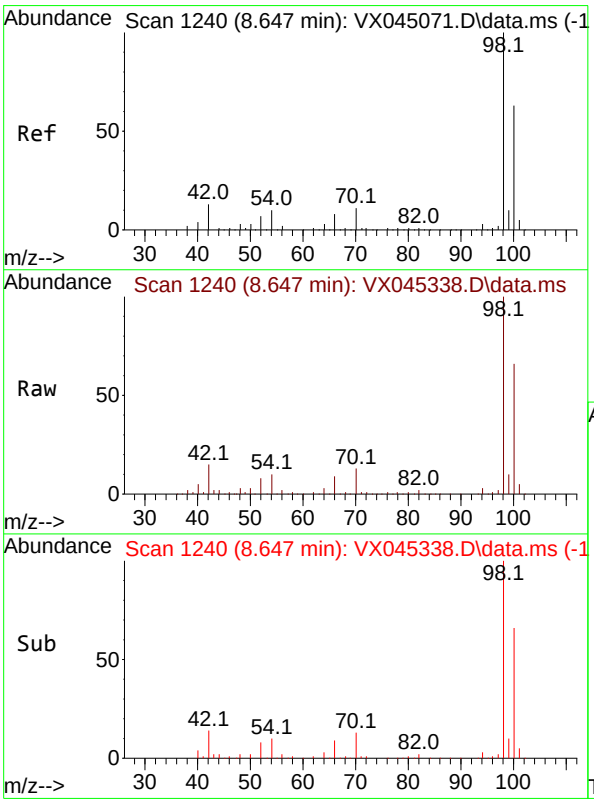
#49
1,4-Dioxane
Concen: 924.511 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 25756

Ion	Ratio	Lower	Upper
88	100		
43	40.2	28.7	43.1
58	73.5	55.8	83.8

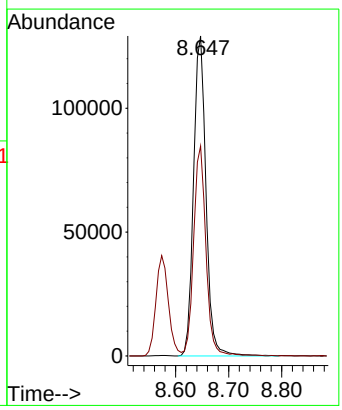


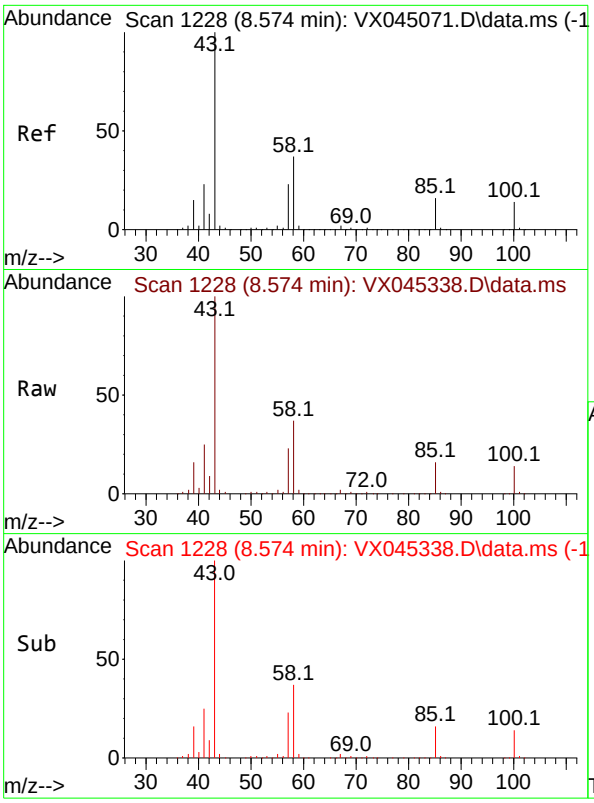


#50
Toluene-d8
Concen: 57.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 98 Resp: 210146

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



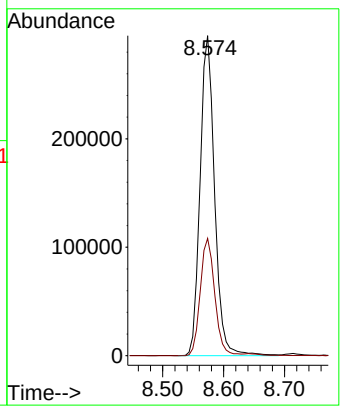


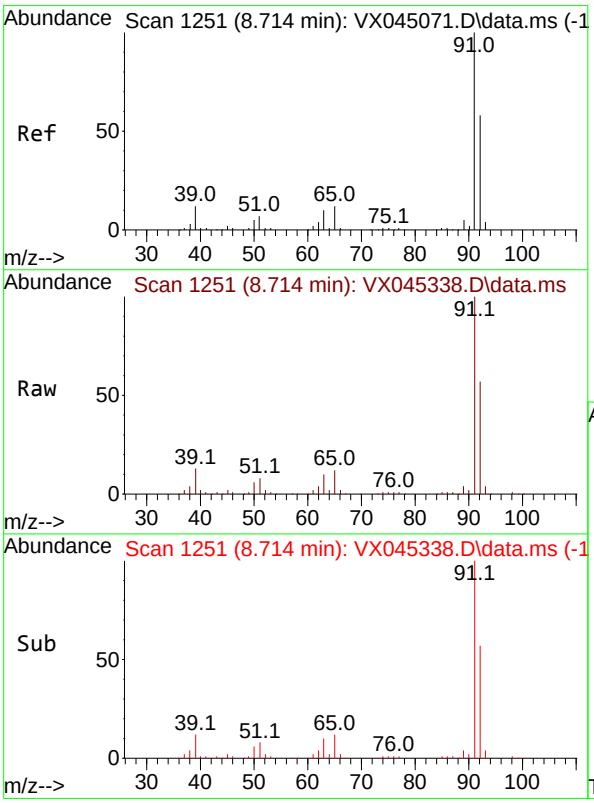
#51
4-Methyl-2-Pentanone
Concen: 277.341 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 490226

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

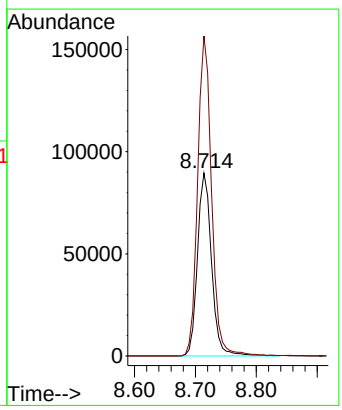


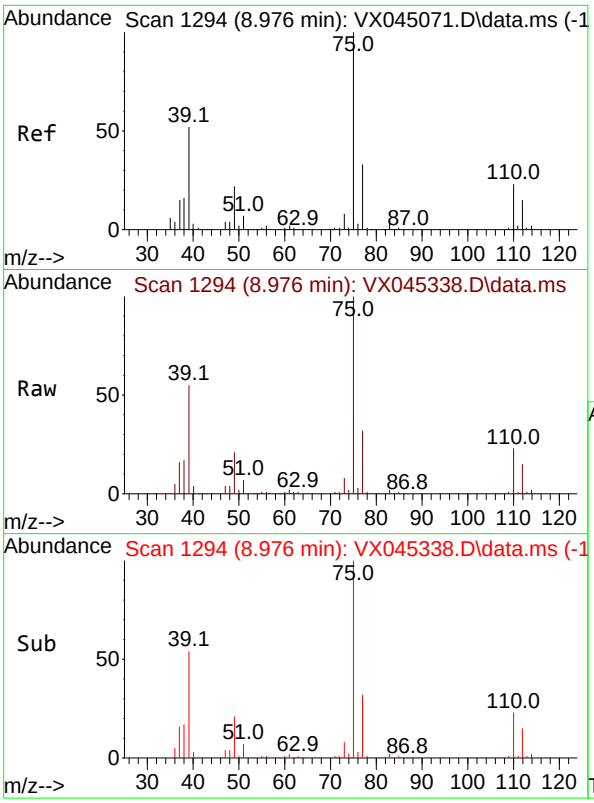


#52
Toluene
Concen: 56.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 92 Resp: 143688

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



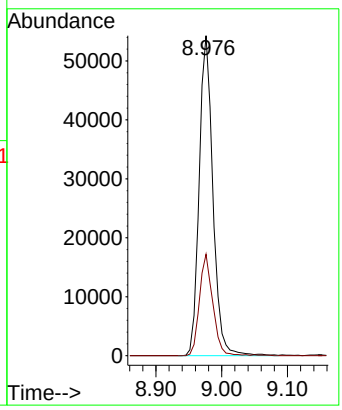


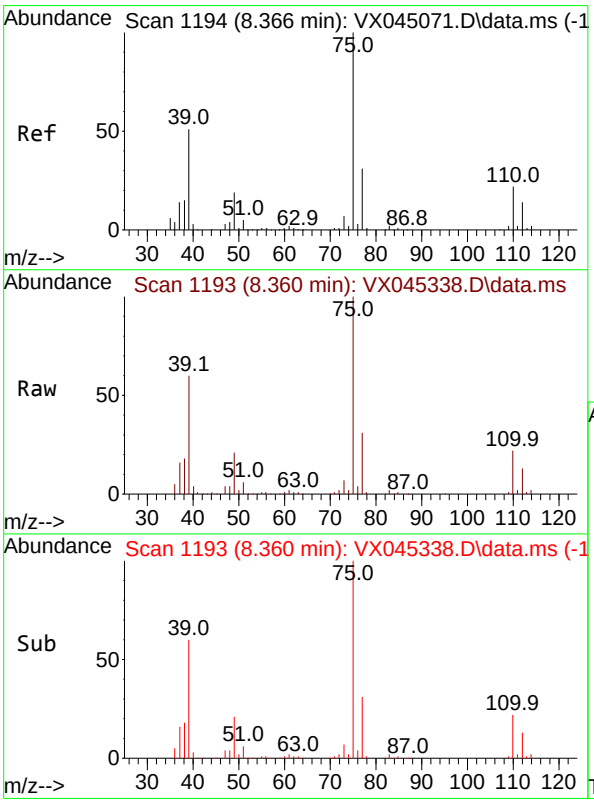
#53
t-1,3-Dichloropropene
Concen: 60.605 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 78792

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.5	39.7

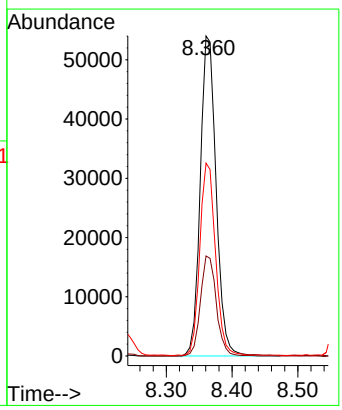


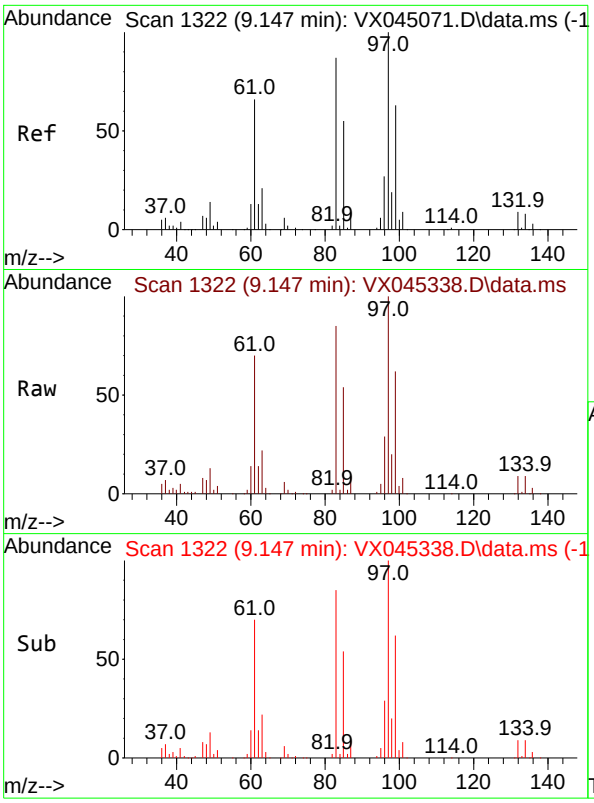


#54
cis-1,3-Dichloropropene
Concen: 59.696 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 90501

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	60.0	40.7	61.1



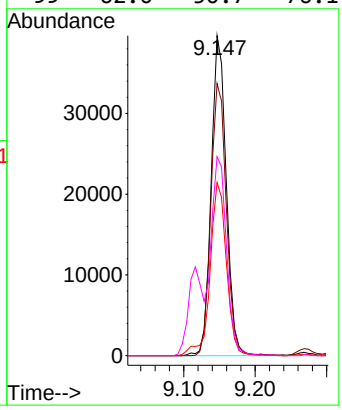


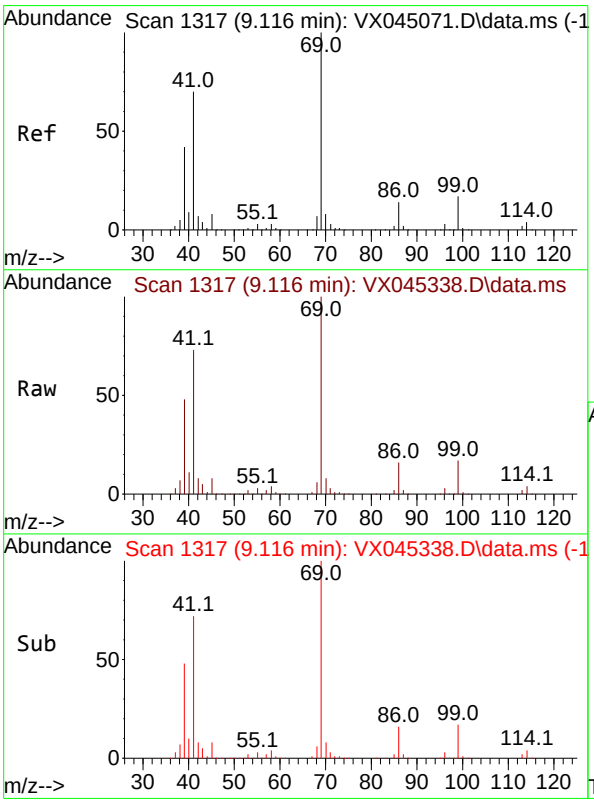
#55
1,1,2-Trichloroethane
Concen: 55.051 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 58012

Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.4	104.2
85	54.1	44.1	66.1
99	62.0	50.7	76.1

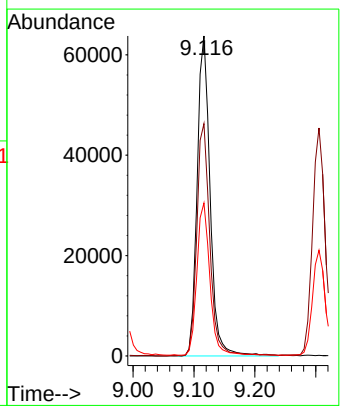


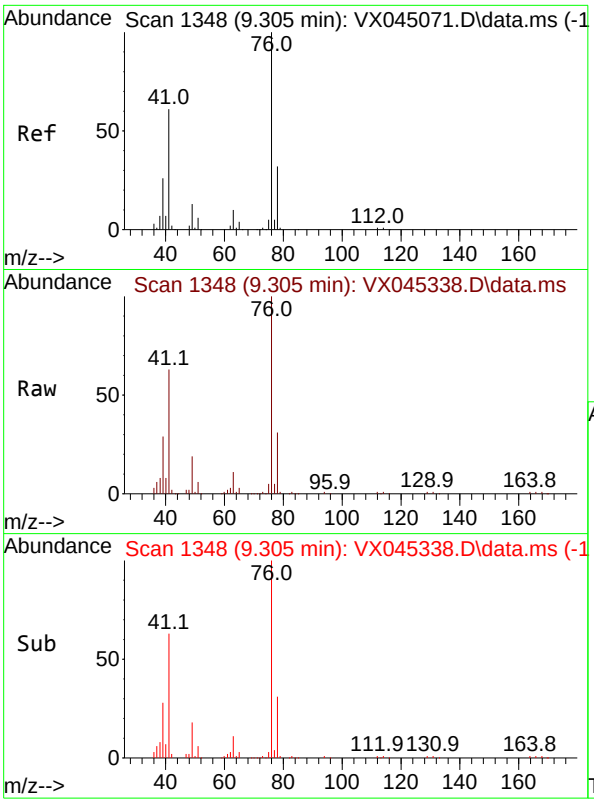


#56
Ethyl methacrylate
Concen: 58.695 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 69 Resp: 94019

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	48.2	34.2	51.4



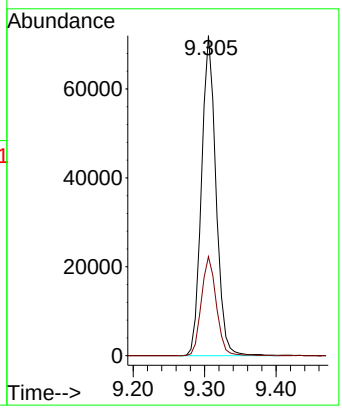


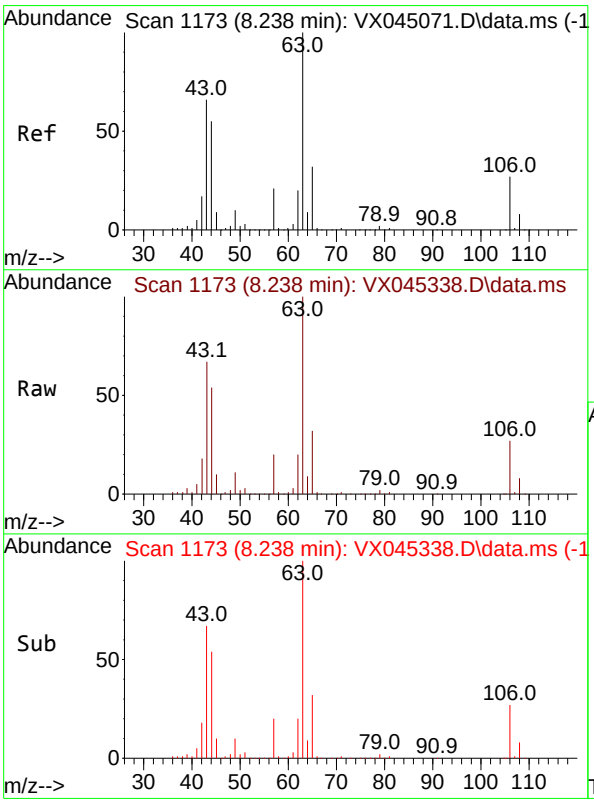
#57
1,3-Dichloropropane
Concen: 55.593 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 101382

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

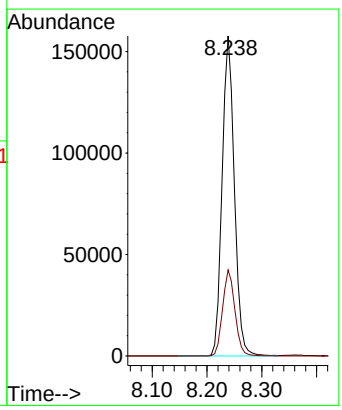


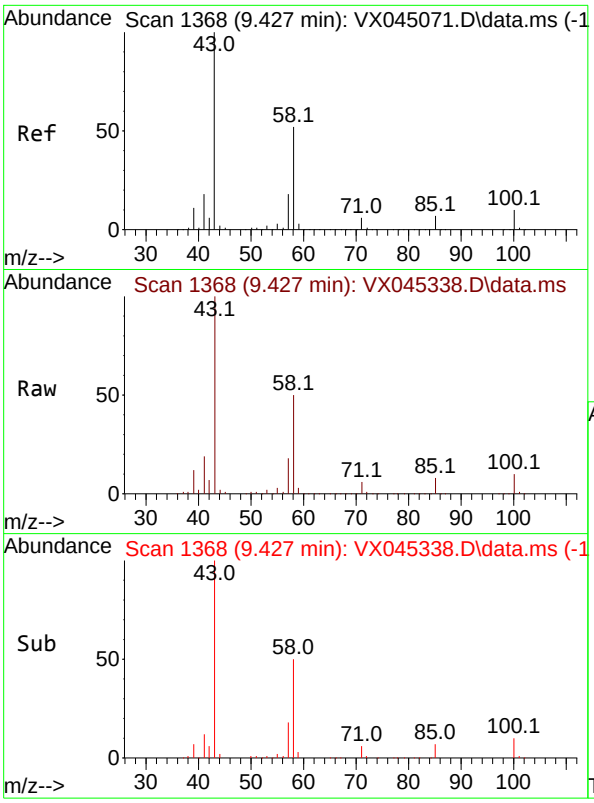


#58
2-Chloroethyl Vinyl ether
Concen: 314.370 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 63 Resp: 245641

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3



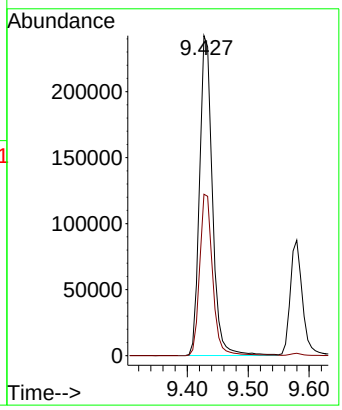


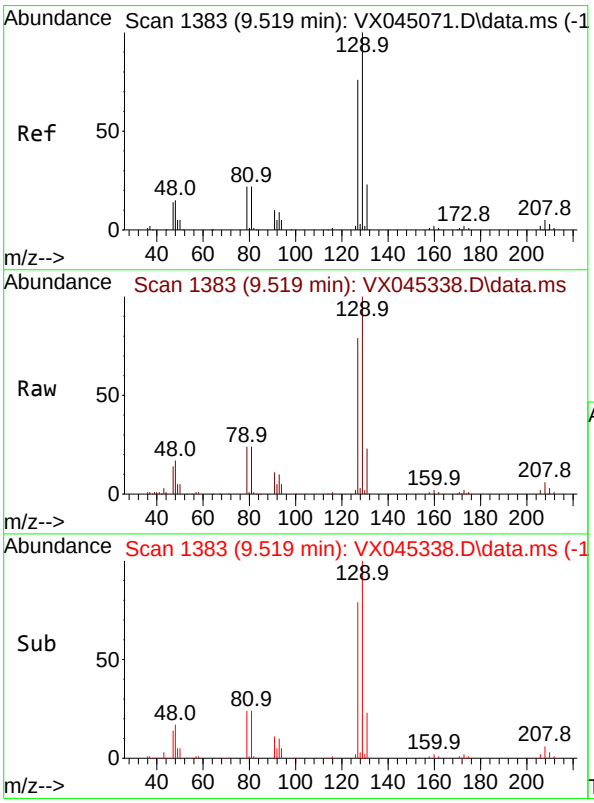
#59
2-Hexanone
Concen: 277.843 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 355832

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

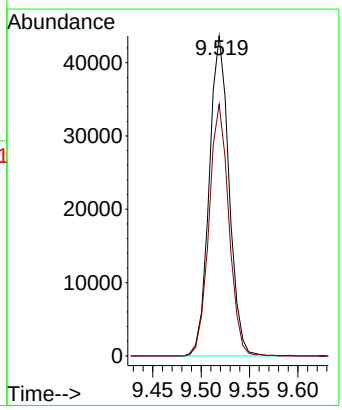


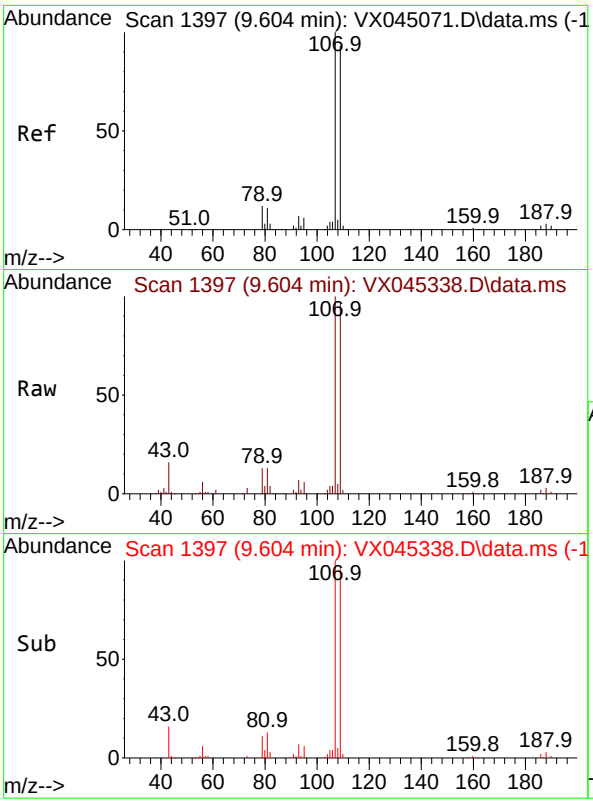


#60
Dibromochloromethane
Concen: 56.538 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:129 Resp: 62295

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5



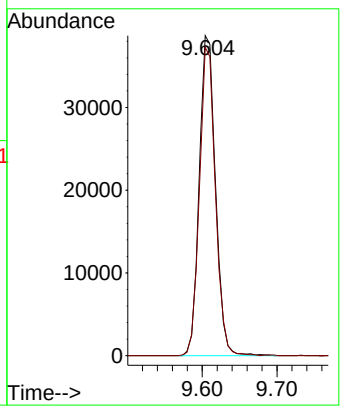


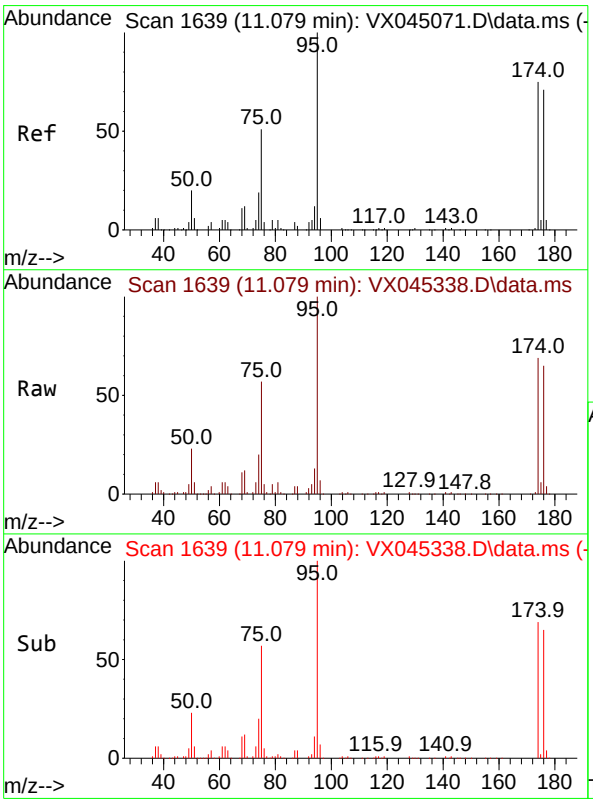
#61
1,2-Dibromoethane
Concen: 55.404 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 58284

Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

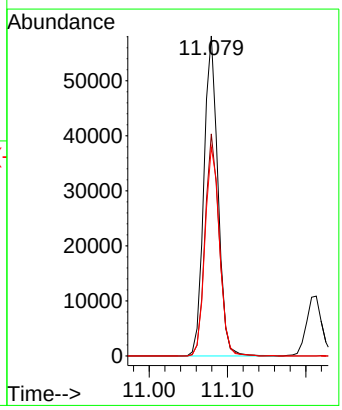


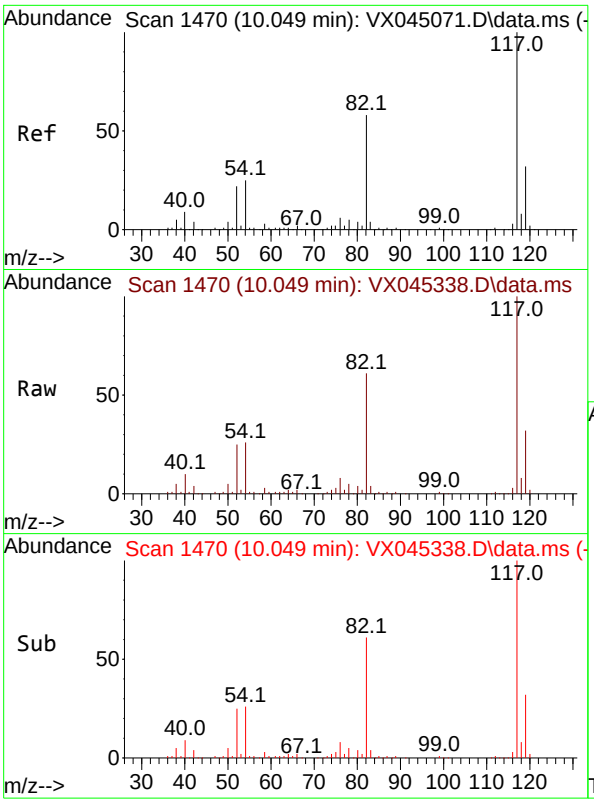


#62
4-Bromofluorobenzene
Concen: 59.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 95 Resp: 72166

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	148.2
176	67.5	0.0	141.4



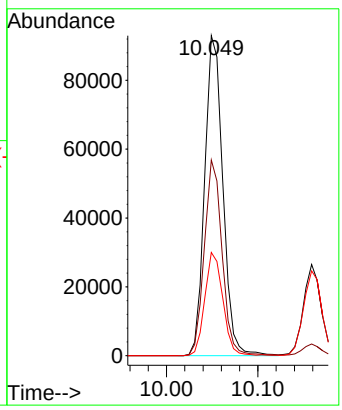


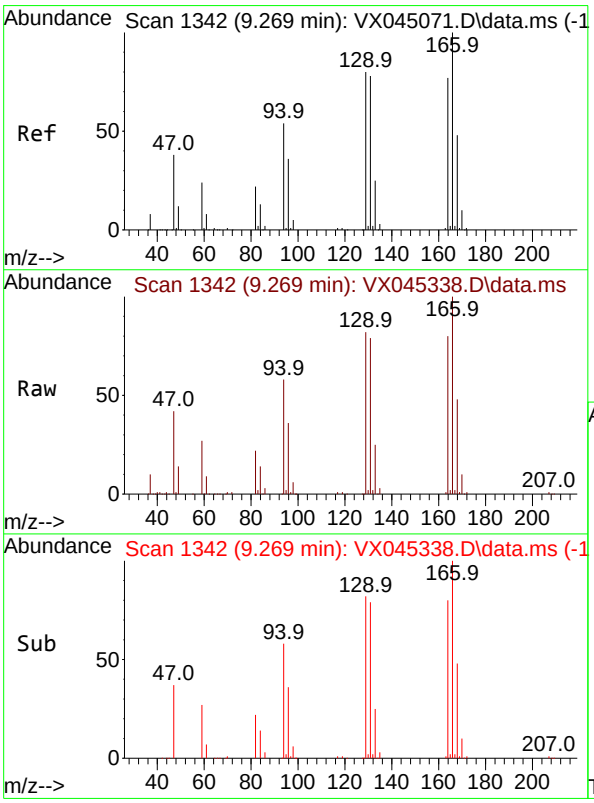
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 128192

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	32.3	25.7	38.5

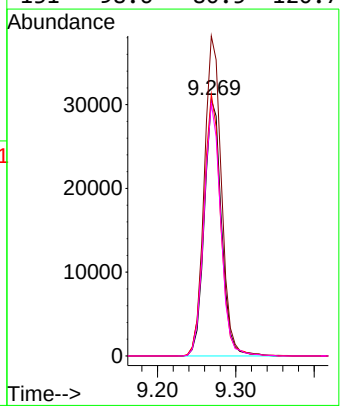


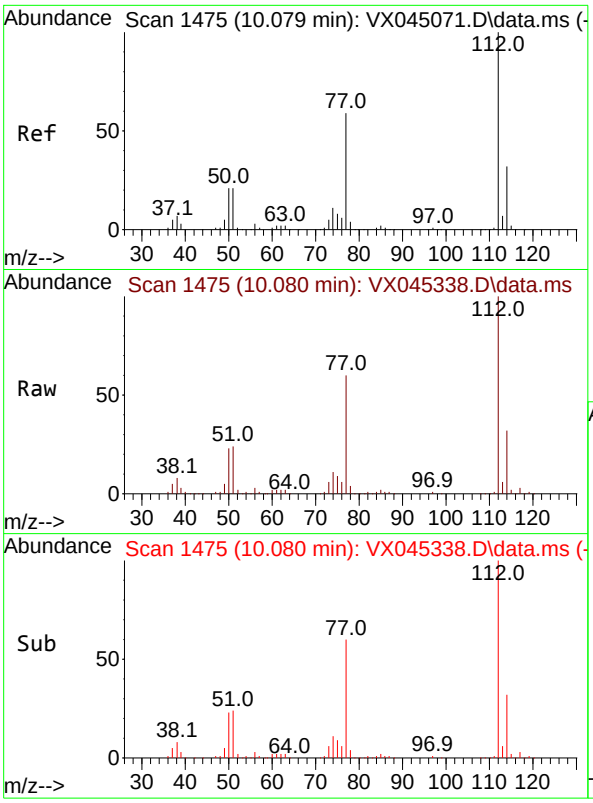


#64
Tetrachloroethene
Concen: 56.125 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:164 Resp: 46080

Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.6	155.4
129	102.2	82.7	124.1
131	98.6	80.5	120.7



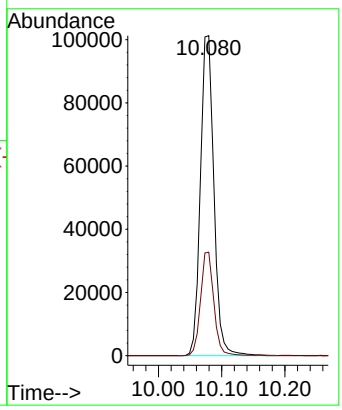


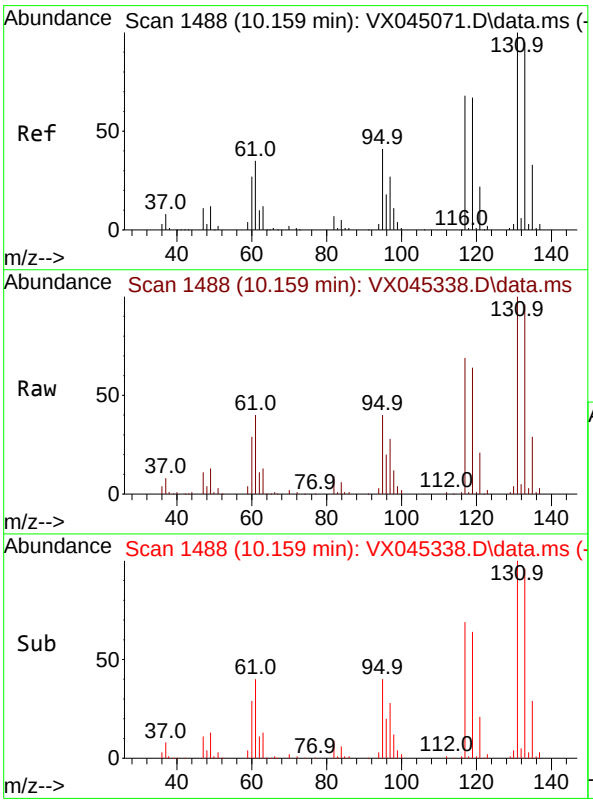
#65
Chlorobenzene
Concen: 55.590 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 150788

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

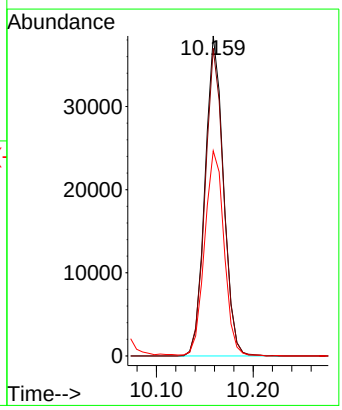


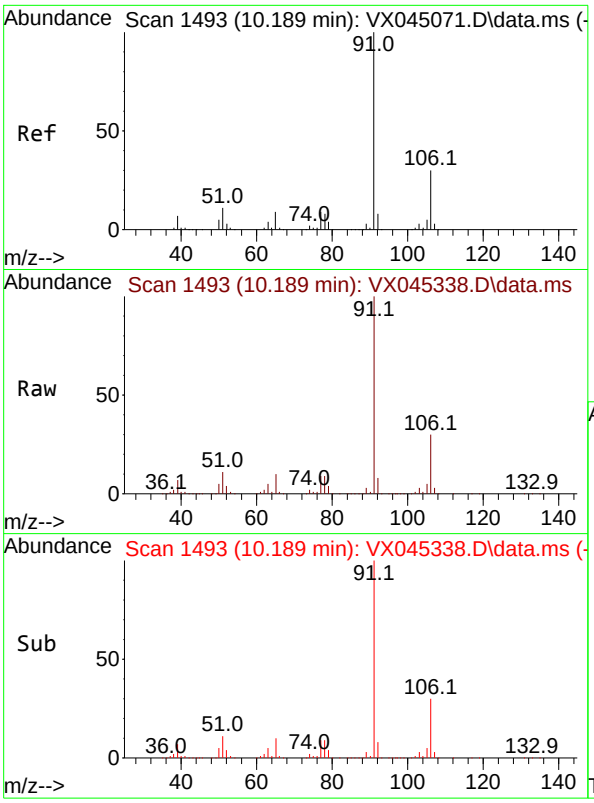


#66
1,1,1,2-Tetrachloroethane
Concen: 56.285 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:131 Resp: 50844

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	67.6	33.9	101.7



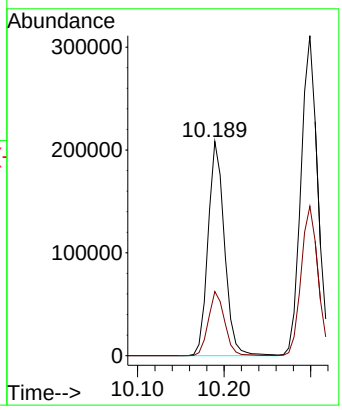


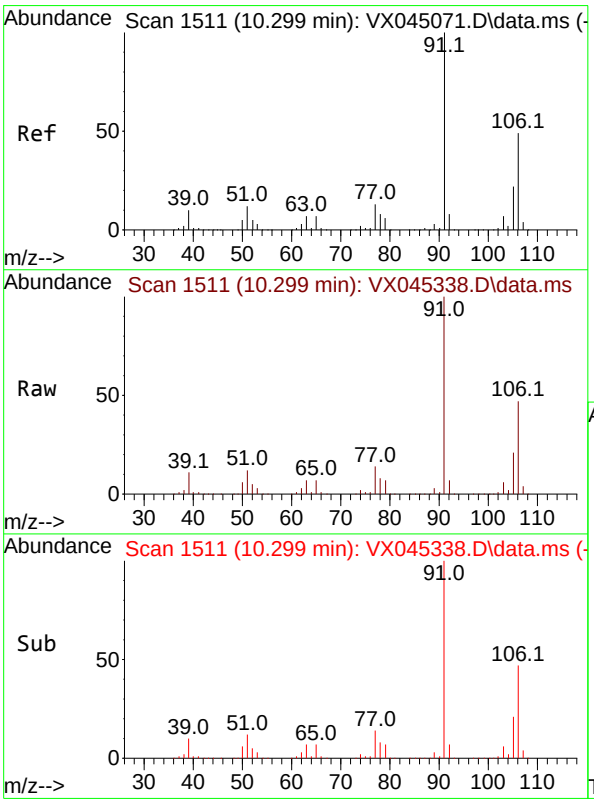
#67
Ethyl Benzene
Concen: 57.969 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 273984

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

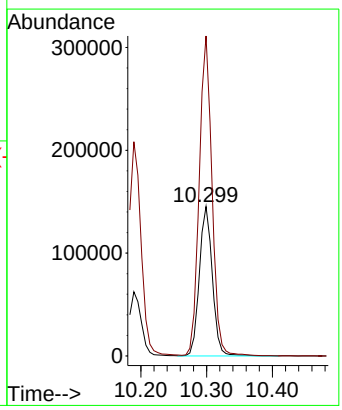


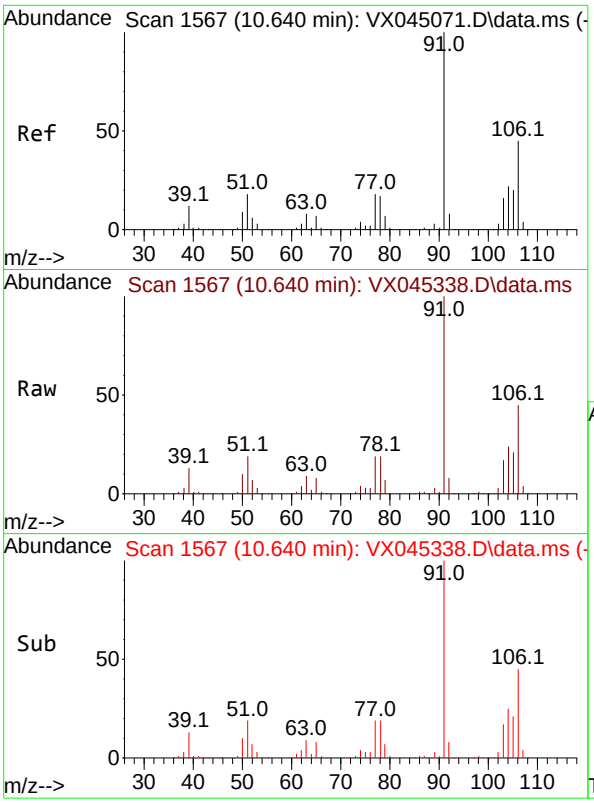


#68
m/p-Xylenes
Concen: 115.095 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:106 Resp: 199139

Ion	Ratio	Lower	Upper
106	100		
91	211.0	165.4	248.0



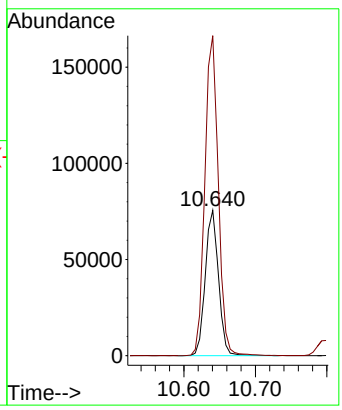


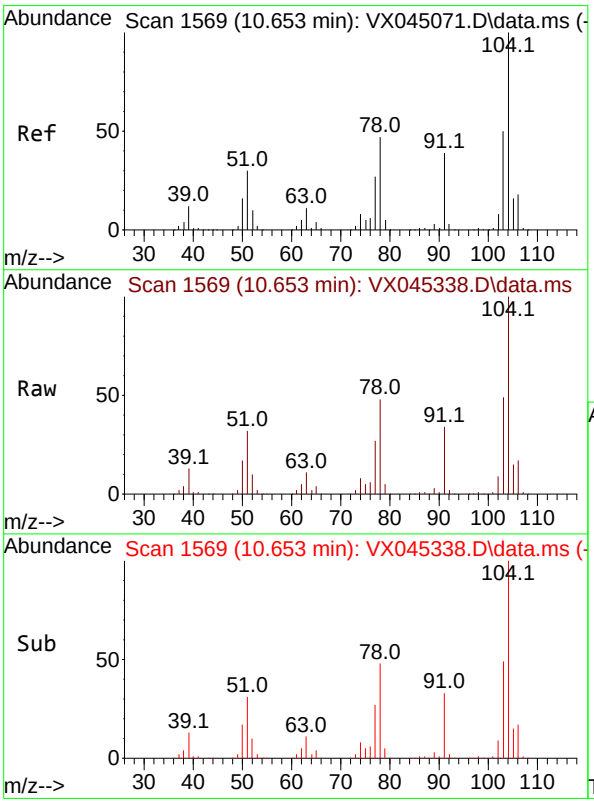
#69
o-Xylene
Concen: 55.670 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 97145

Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6

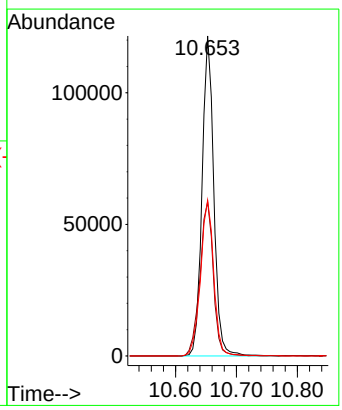


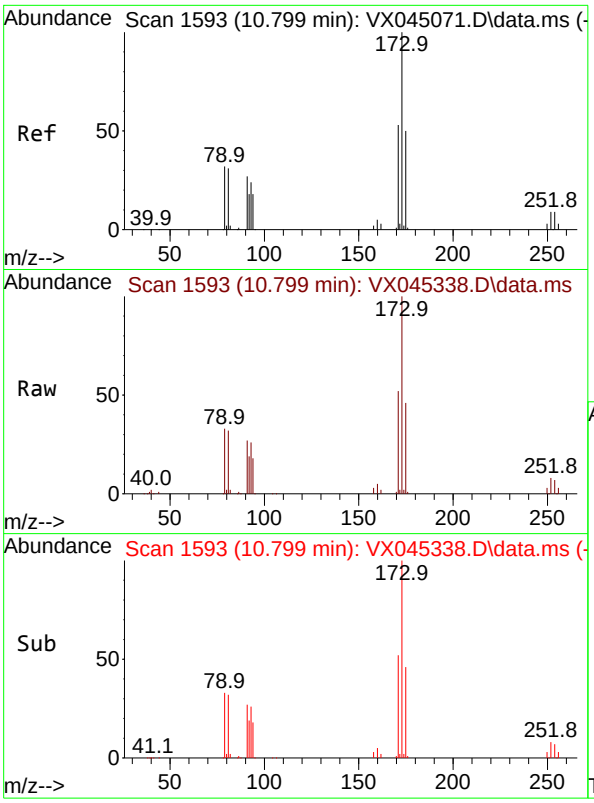


#70
Styrene
Concen: 57.851 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:104 Resp: 163347

Ion	Ratio	Lower	Upper
104	100		
78	55.0	42.2	63.4
103	54.8	43.8	65.8



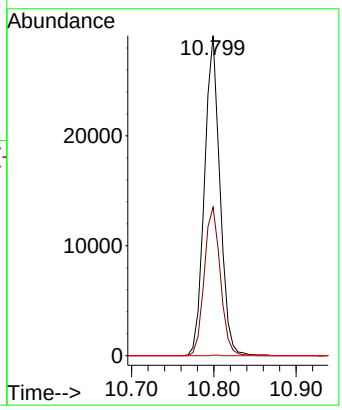


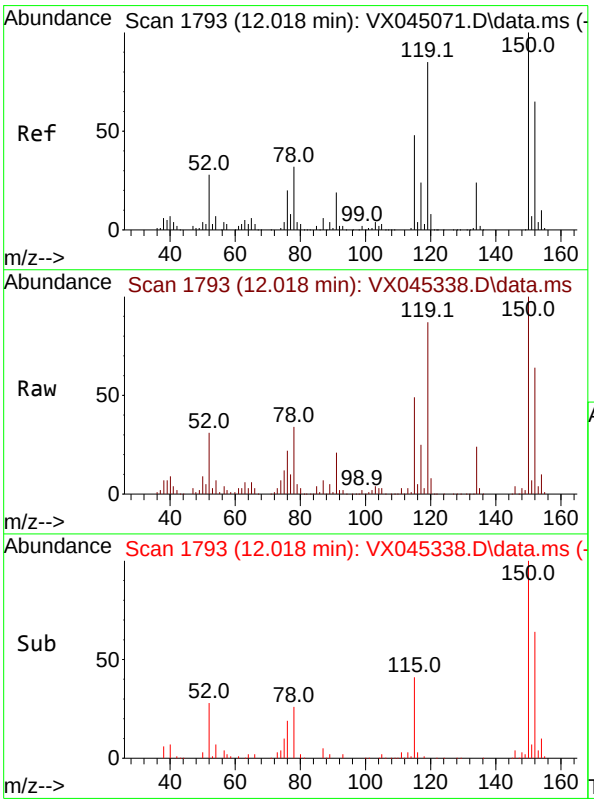
#71
Bromoform
Concen: 55.853 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 38046

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.1	0.0	0.0#

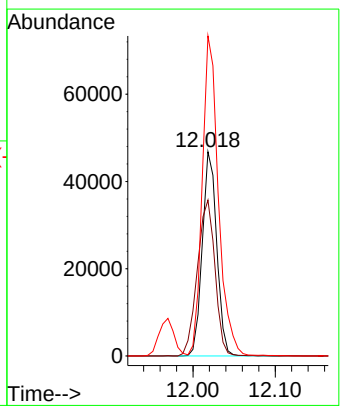


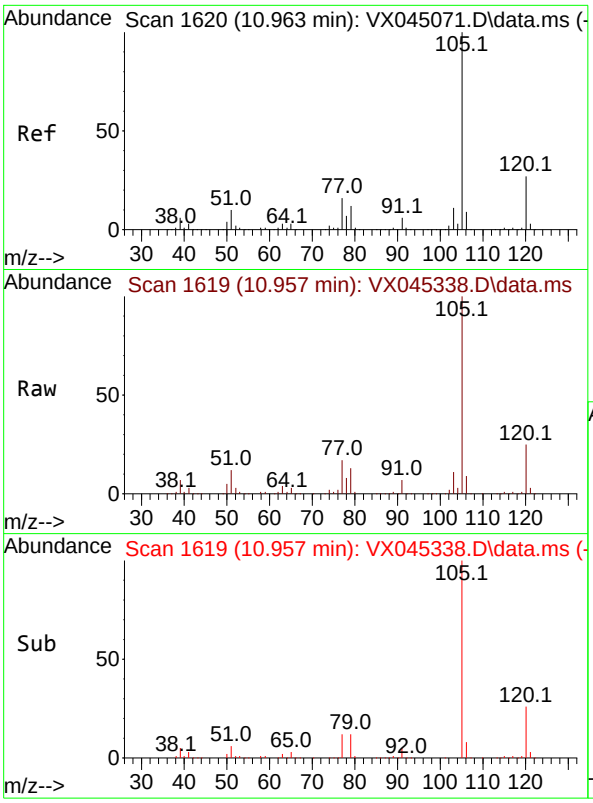


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:152 Resp: 57337

Ion	Ratio	Lower	Upper
152	100		
115	93.3	44.2	132.6
150	175.1	0.0	349.0



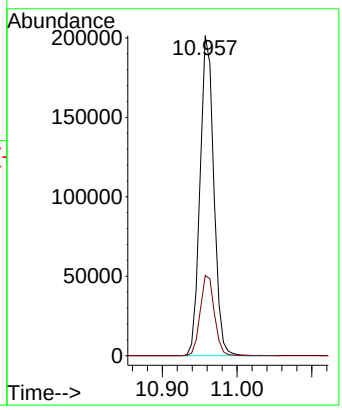


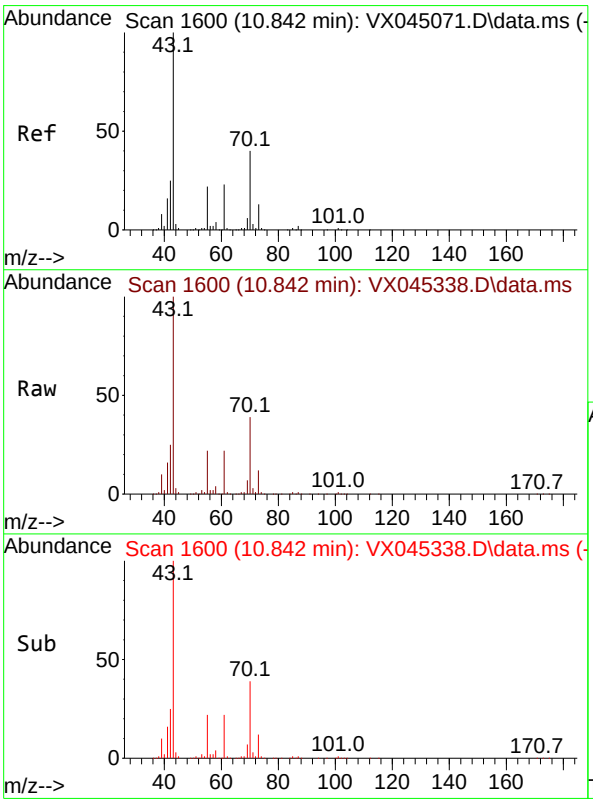
#73
Isopropylbenzene
Concen: 57.476 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 257226

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

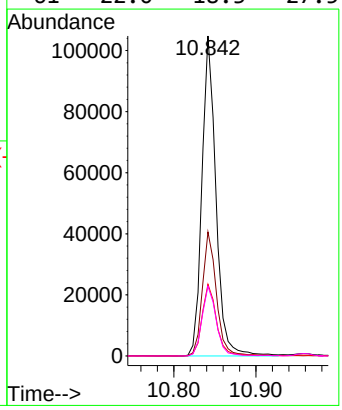


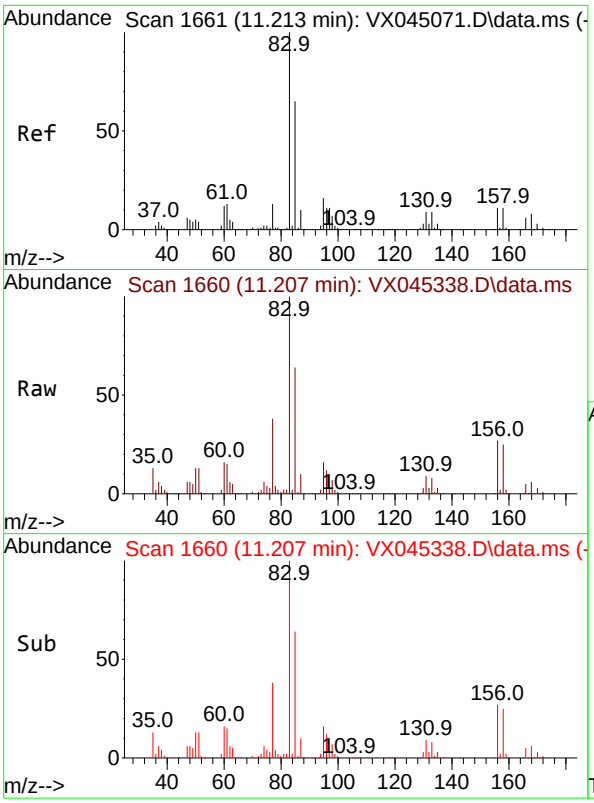


#74
N-amyl acetate
Concen: 59.082 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 43 Resp: 124071

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.3	18.3	27.5
61	22.0	18.3	27.5



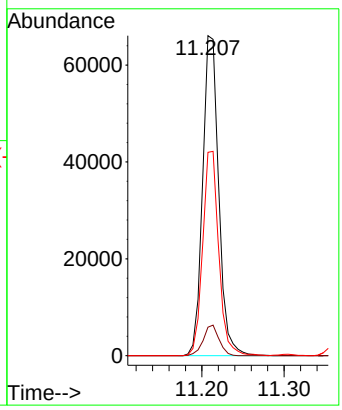


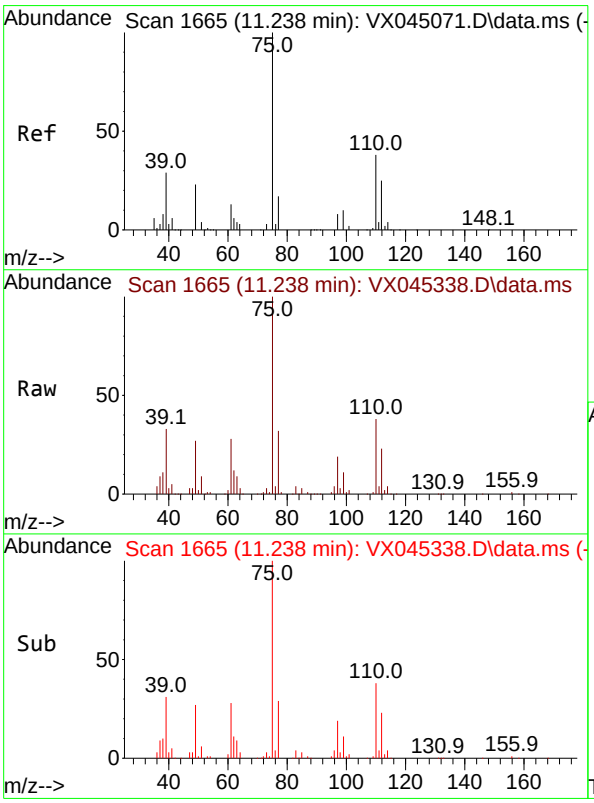
#75
1,1,2,2-Tetrachloroethane
Concen: 54.683 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 89804

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1

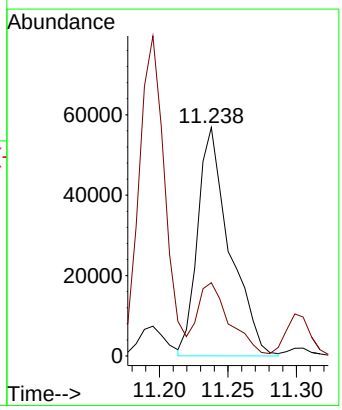


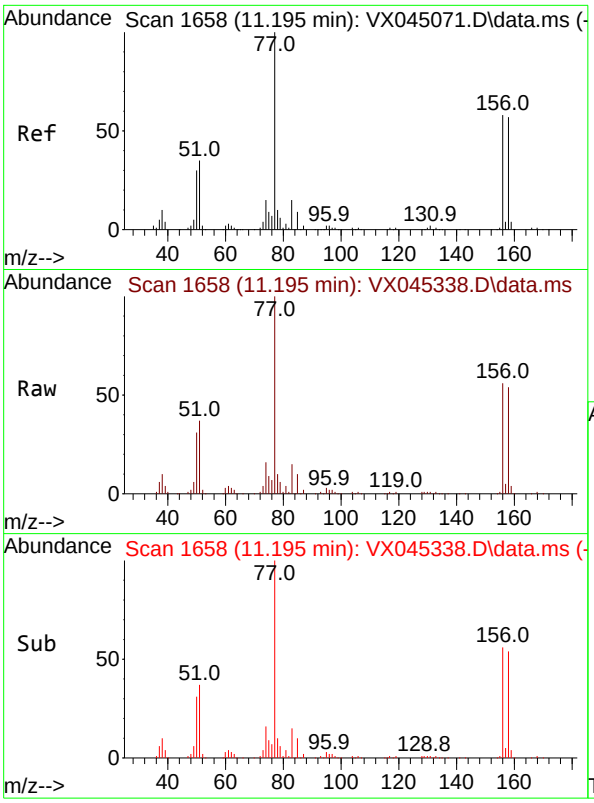


#76
1,2,3-Trichloropropane
Concen: 69.312 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 92499

Ion	Ratio	Lower	Upper
75	100		
77	32.2	20.7	62.1



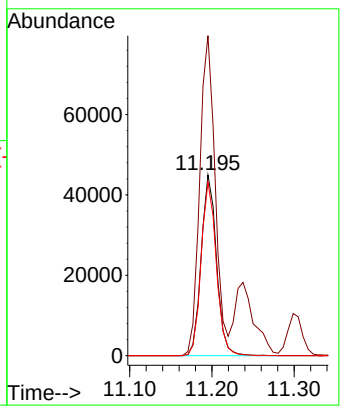


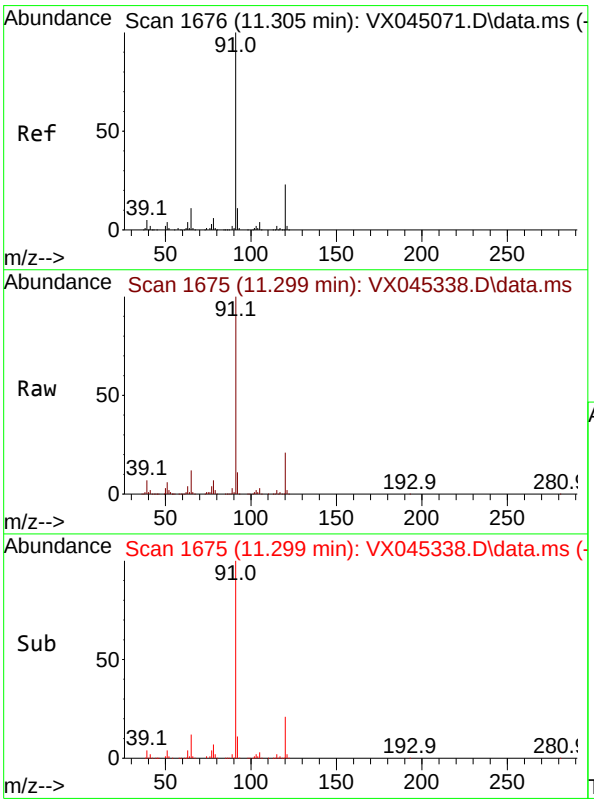
#77
Bromobenzene
Concen: 55.031 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 58108

Ion	Ratio	Lower	Upper
156	100		
77	178.8	85.8	257.4
158	95.2	48.4	145.2

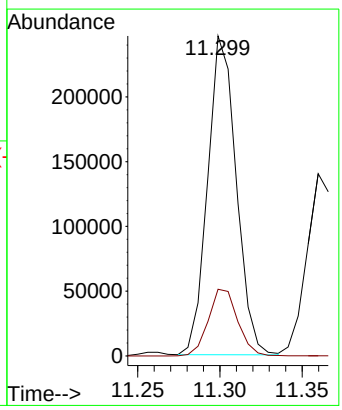


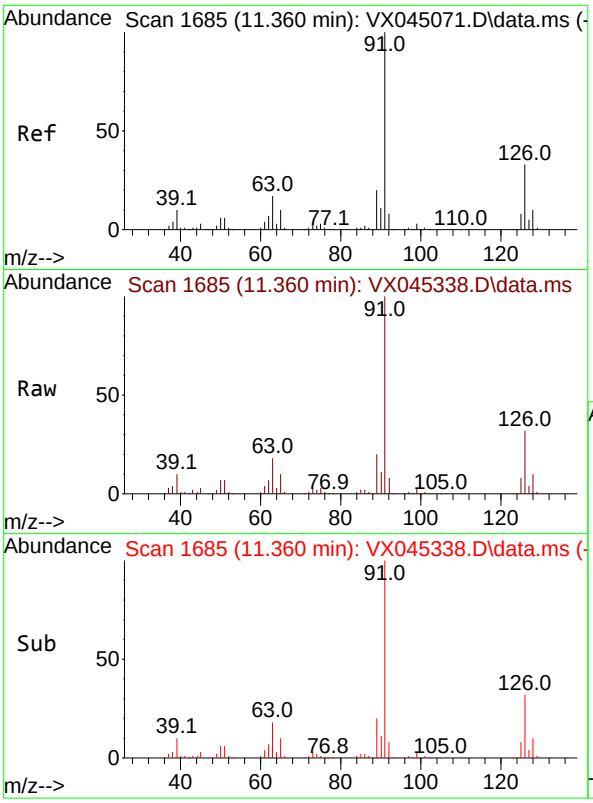


#78
n-propylbenzene
Concen: 58.944 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 91 Resp: 297988

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



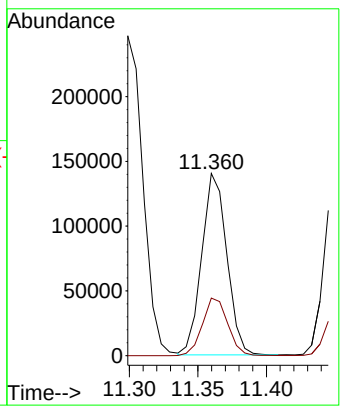


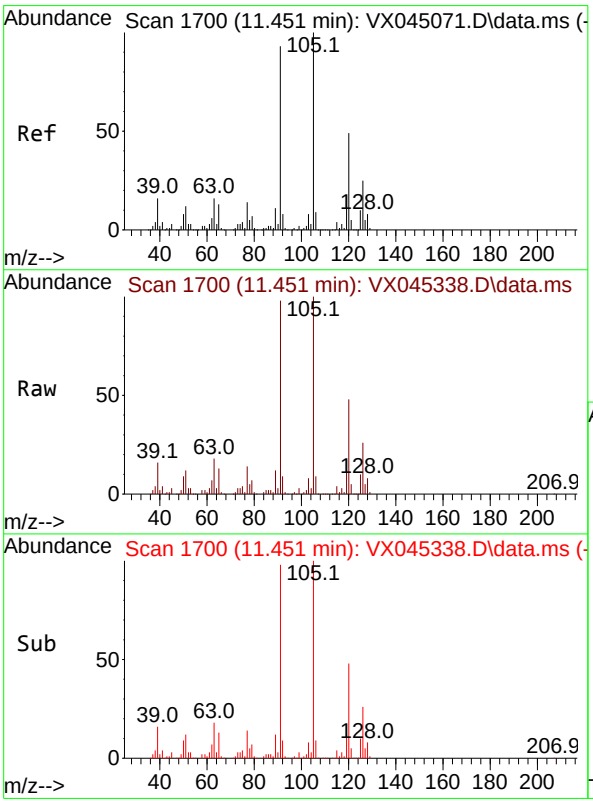
#79
2-Chlorotoluene
Concen: 55.342 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 178182

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4

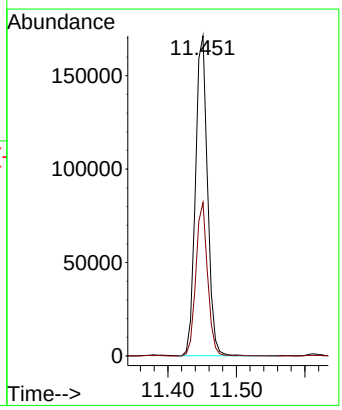


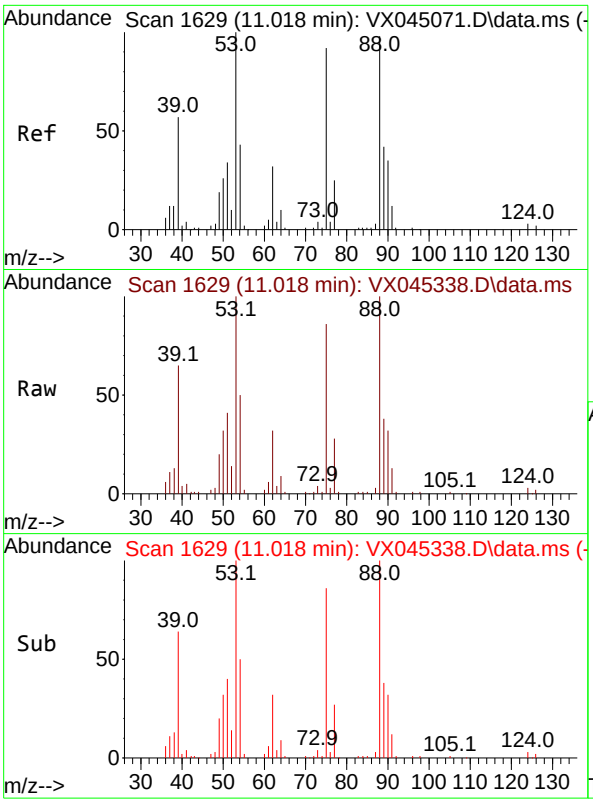


#80
1,3,5-Trimethylbenzene
Concen: 58.095 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 210225

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2



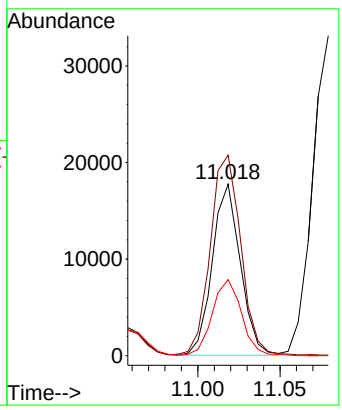


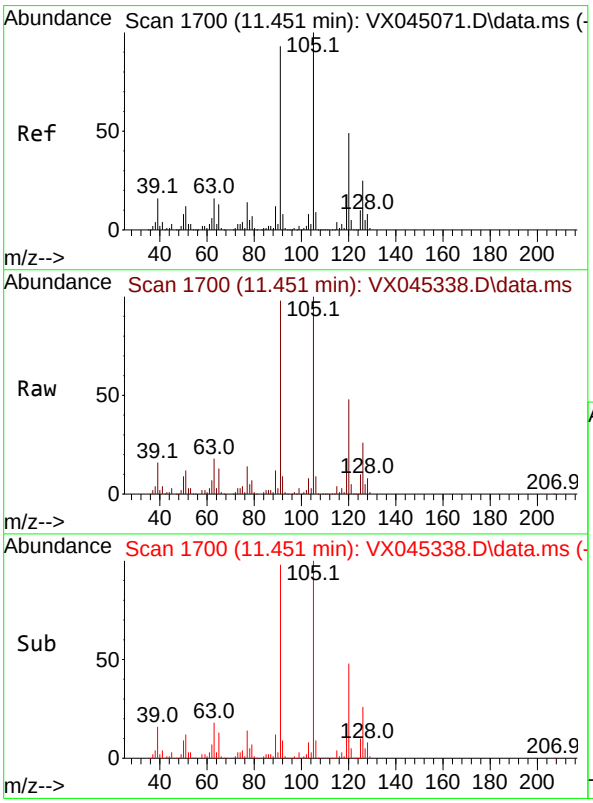
#81
trans-1,4-Dichloro-2-butene
Concen: 53.903 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 21020

Ion	Ratio	Lower	Upper
75	100		
53	128.7	88.5	132.7
89	46.5	36.2	54.4

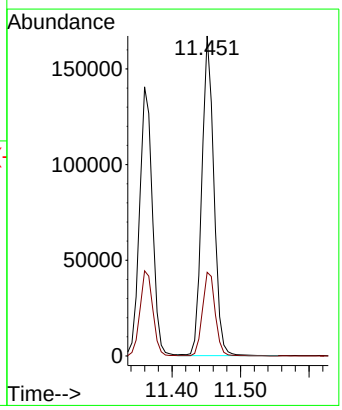


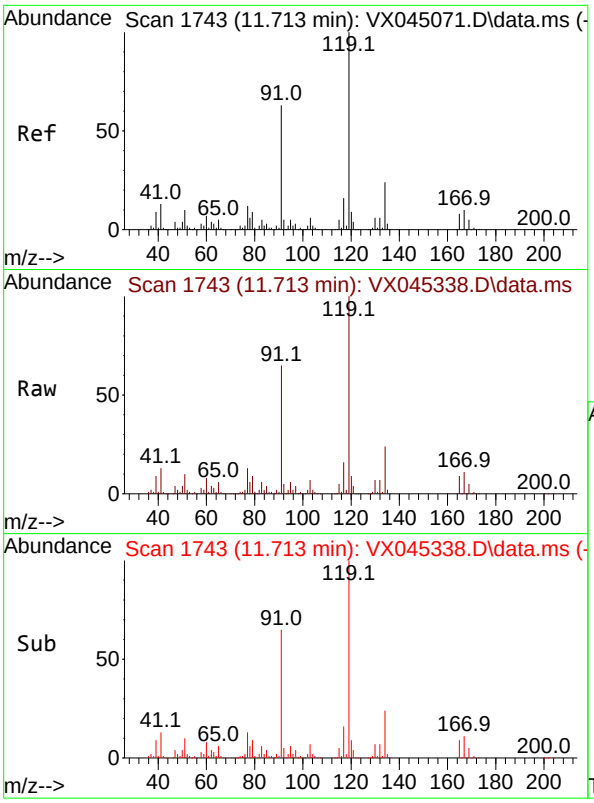


#82
4-Chlorotoluene
Concen: 58.329 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 91 Resp: 204674

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4



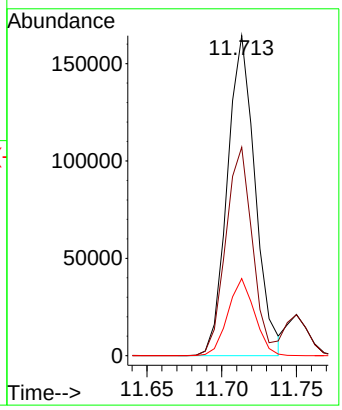


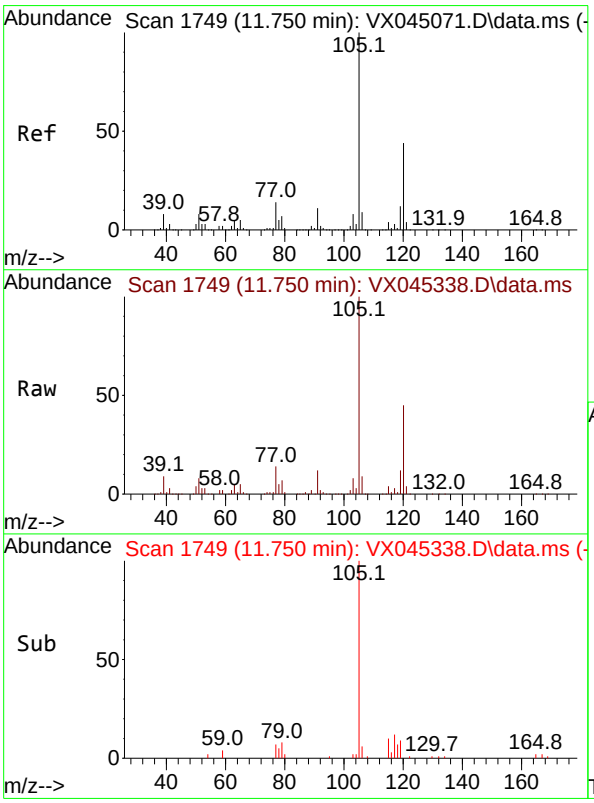
#83
tert-Butylbenzene
Concen: 57.007 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 211957

Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.7	92.1
134	23.2	11.7	35.0

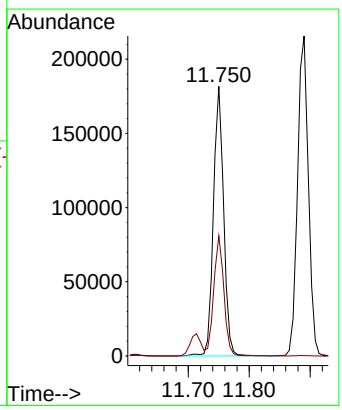


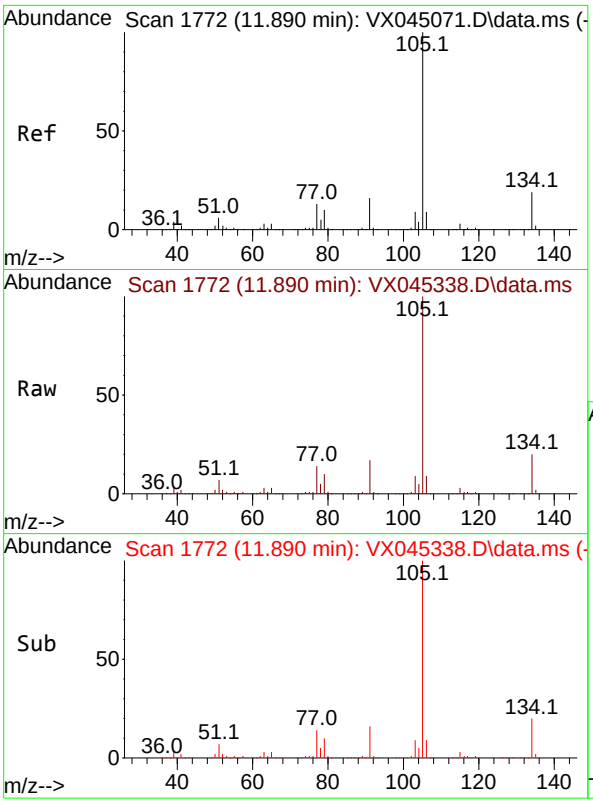


#84
1,2,4-Trimethylbenzene
Concen: 58.152 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:105 Resp: 211733

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



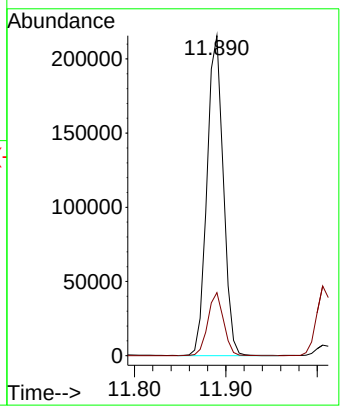


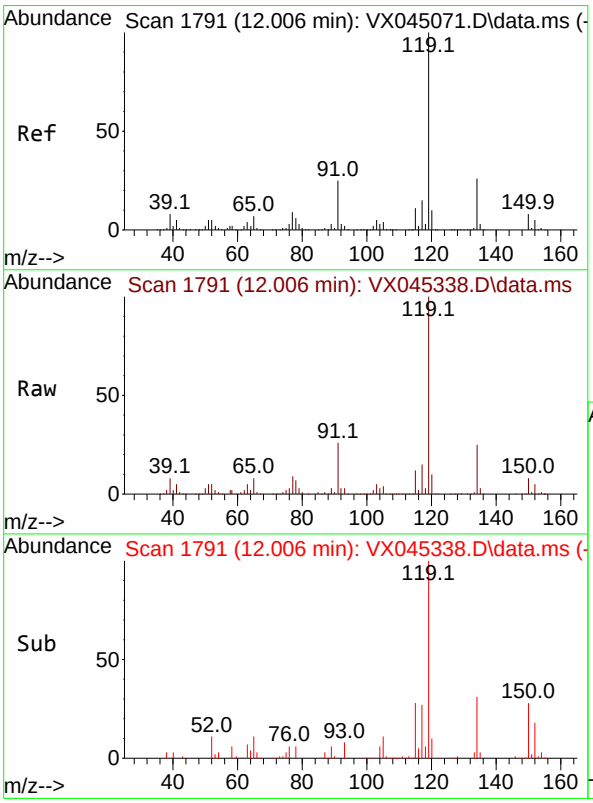
#85
sec-Butylbenzene
Concen: 59.861 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 266604

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

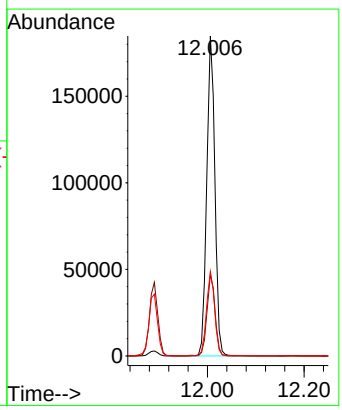


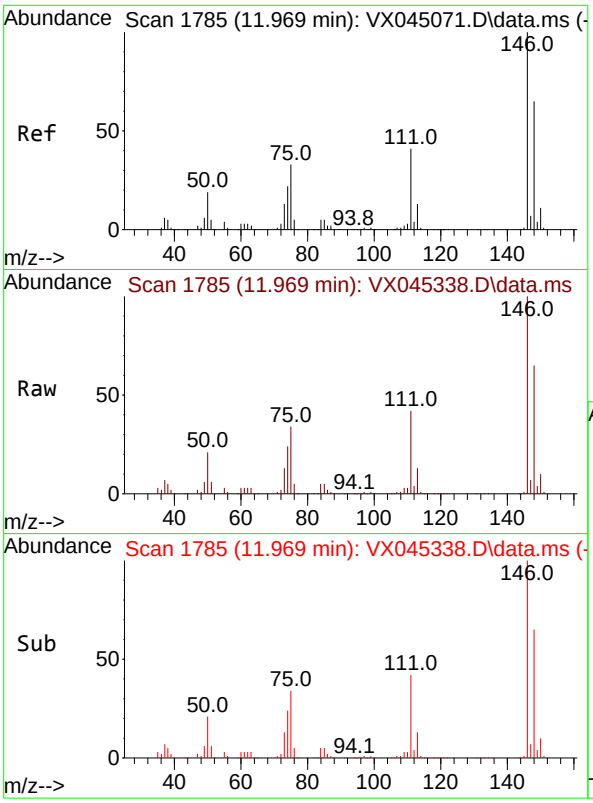


#86
p-Isopropyltoluene
Concen: 60.215 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:119 Resp: 216728

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.6	12.7	38.0



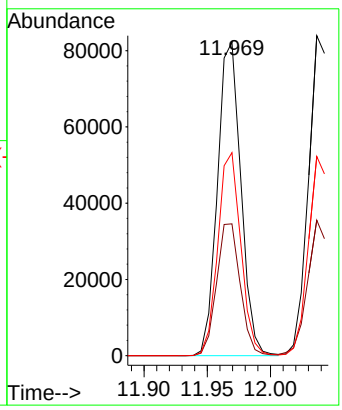


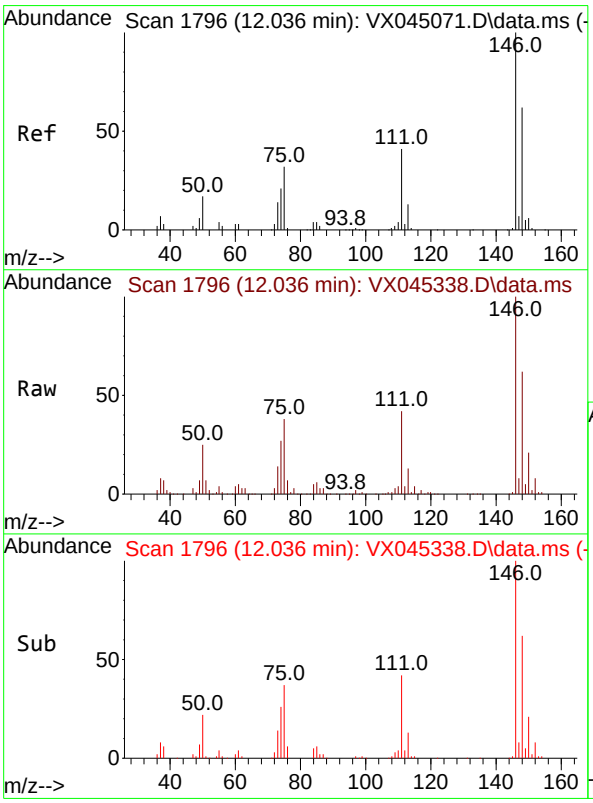
#87
1,3-Dichlorobenzene
Concen: 56.221 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 105903

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.6	31.9	95.7

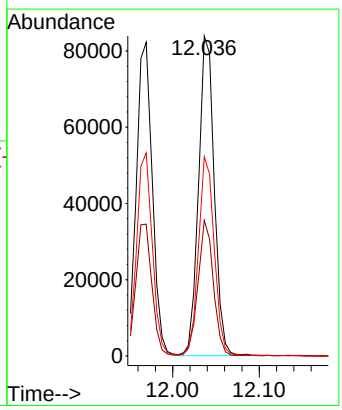


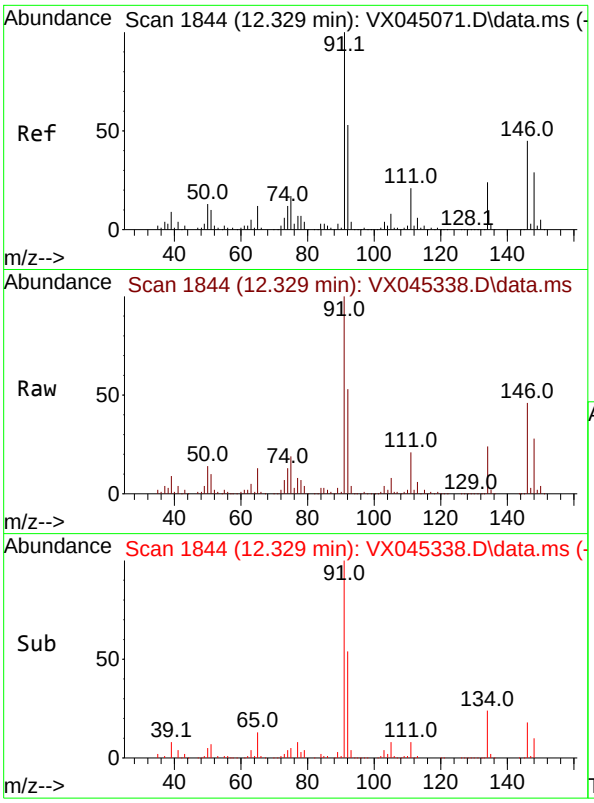


#88
1,4-Dichlorobenzene
Concen: 55.548 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:146 Resp: 105860

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.5
148	62.4	31.9	95.9



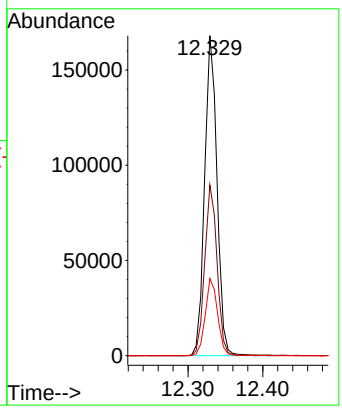


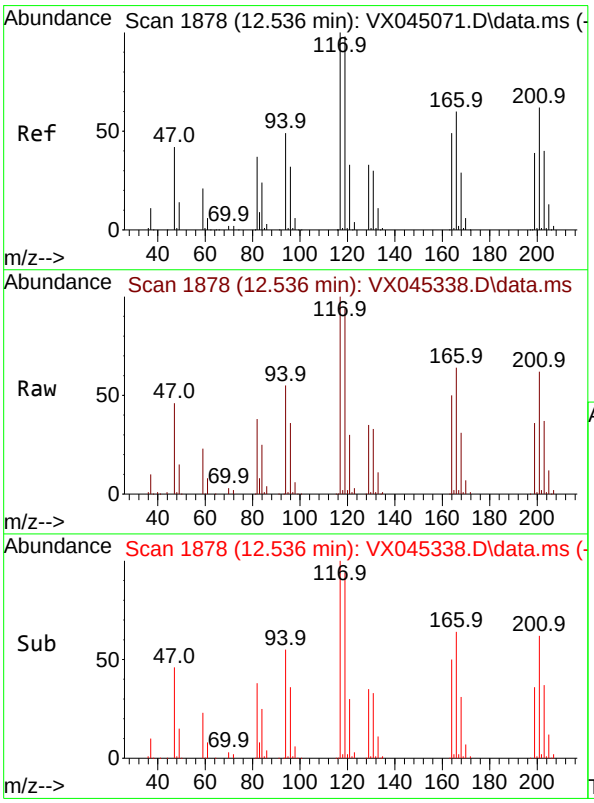
#89
n-Butylbenzene
Concen: 62.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 193200

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	24.1	12.2	36.6

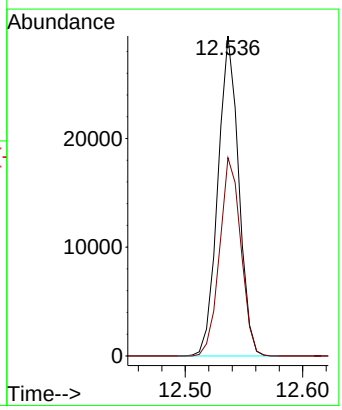


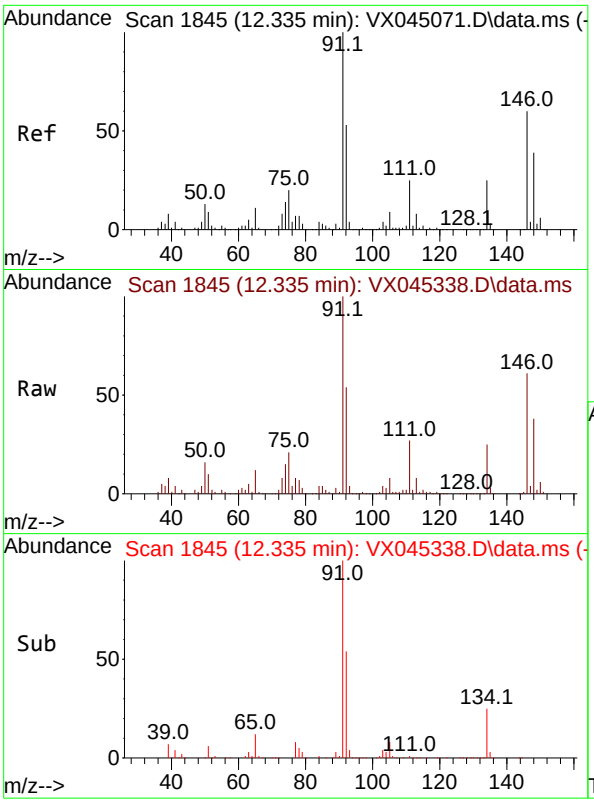


#90
Hexachloroethane
Concen: 55.617 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:117 Resp: 36208

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.9	95.9



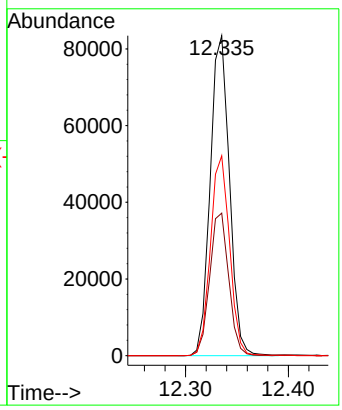


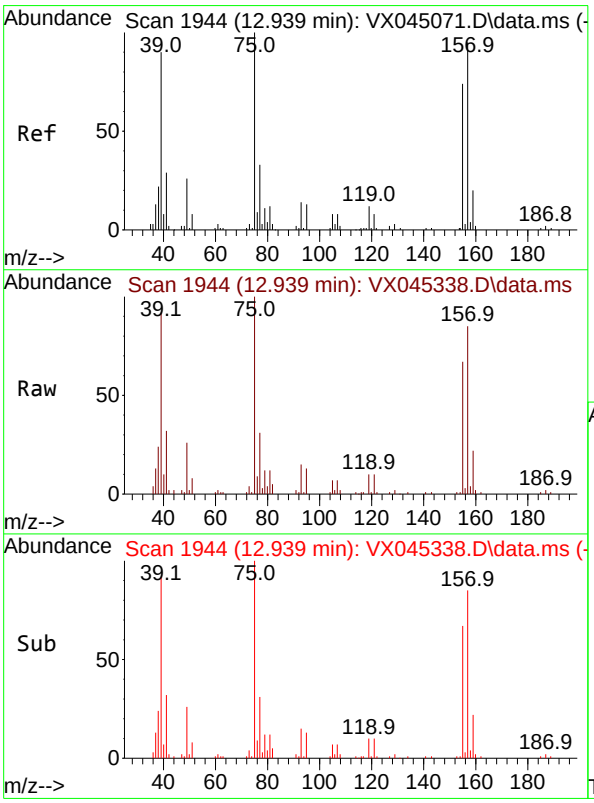
#91
1,2-Dichlorobenzene
Concen: 57.330 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 108332

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	62.2	31.9	95.9

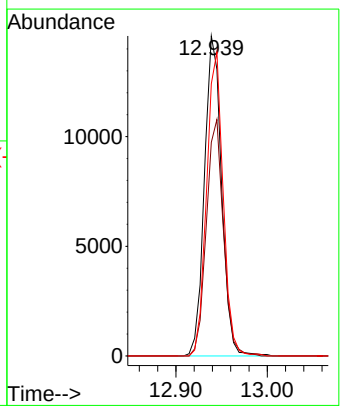


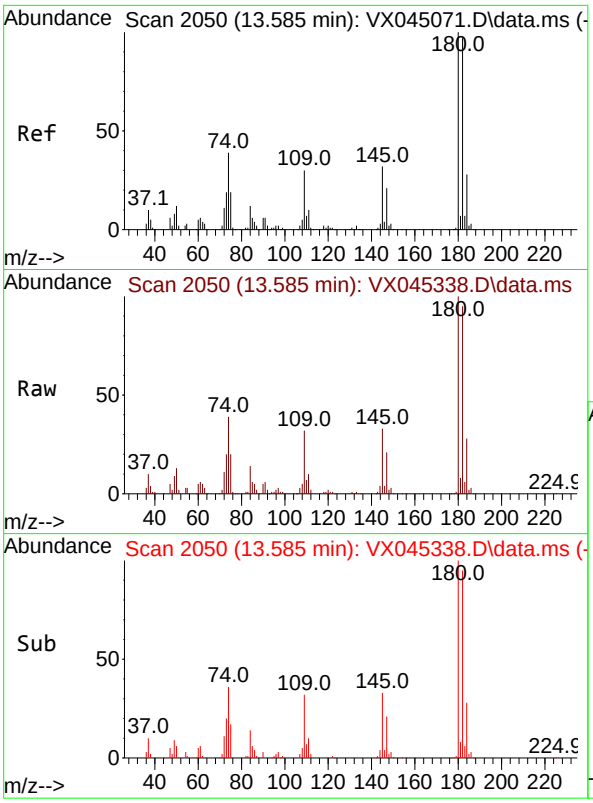


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.282 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion: 75 Resp: 18967

Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.6	118.7
157	91.7	51.1	153.4



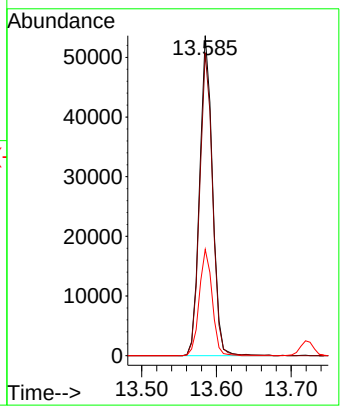


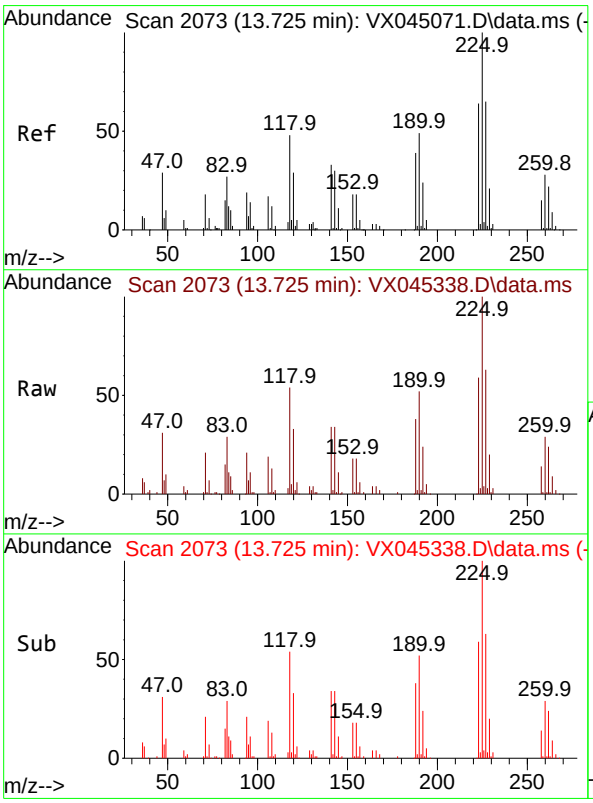
#93
1,2,4-Trichlorobenzene
Concen: 59.330 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 63837

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.3	16.3	48.9

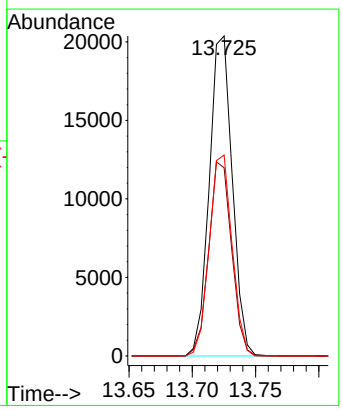


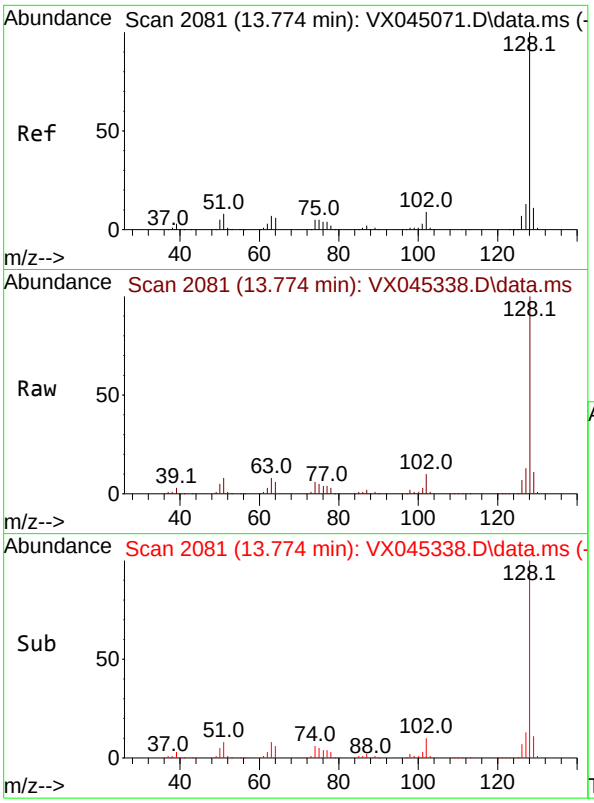


#94
Hexachlorobutadiene
Concen: 58.460 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:225 Resp: 25788

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.7
227	62.1	31.4	94.0



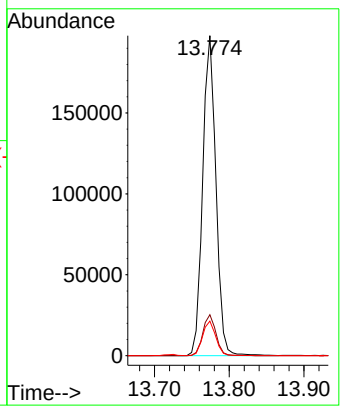


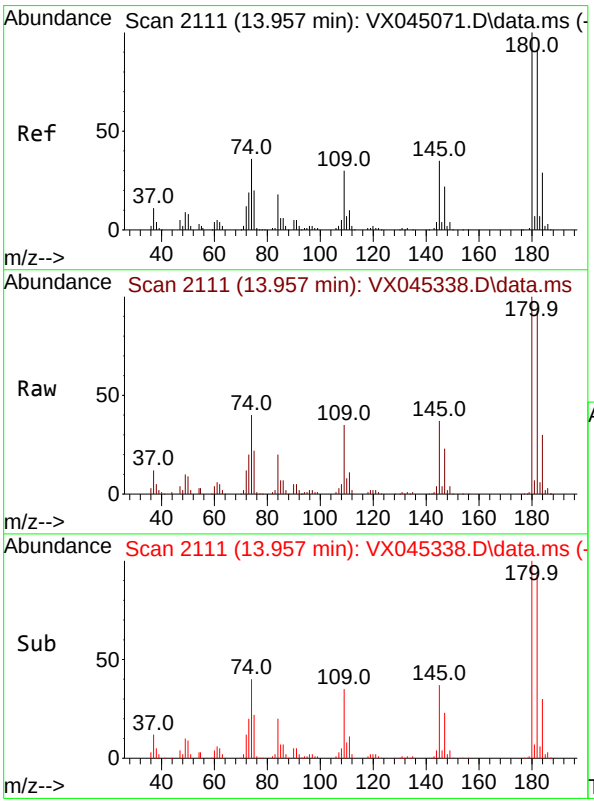
#95
Naphthalene
Concen: 58.751 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 242871

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

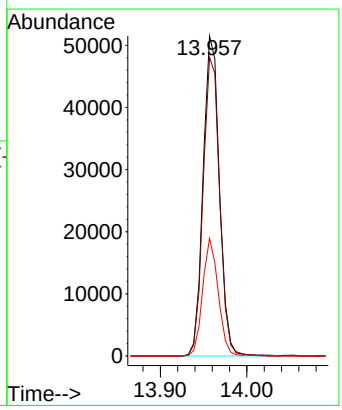




#96
1,2,3-Trichlorobenzene
Concen: 59.320 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045338.D
Acq: 18 Mar 2025 20:16

Tgt Ion:180 Resp: 67333

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	35.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	160941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82508	55.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	5.379	113	61401	57.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.120%			
50) Toluene-d8	8.647	98	211503	54.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.420%			
62) 4-Bromofluorobenzene	11.079	95	74611	57.711	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59746	50.442	ug/l	97
3) Chloromethane	1.307	50	64302	44.361	ug/l	96
4) Vinyl Chloride	1.374	62	61838	43.004	ug/l	95
5) Bromomethane	1.593	94	25902	45.822	ug/l	97
6) Chloroethane	1.660	64	29735	44.831	ug/l	100
7) Trichlorofluoromethane	1.868	101	92068	48.366	ug/l	99
8) Diethyl Ether	2.130	74	32644	43.843	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	61677	56.396	ug/l	99
10) Methyl Iodide	2.441	142	71548	52.350	ug/l	96
11) Tert butyl alcohol	2.983	59	66006	232.818	ug/l	99
12) 1,1-Dichloroethene	2.307	96	57166	49.441	ug/l	99
13) Acrolein	2.239	56	75371	229.981	ug/l	98
14) Allyl chloride	2.654	41	110322	53.602	ug/l	97
15) Acrylonitrile	3.062	53	200634	264.049	ug/l	99
16) Acetone	2.386	43	196313	282.690	ug/l	99
17) Carbon Disulfide	2.496	76	128203	41.629	ug/l	97
18) Methyl Acetate	2.703	43	110994	66.439	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201610	51.972	ug/l	99
20) Methylene Chloride	2.782	84	68099	49.504	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	56672	49.612	ug/l	97
22) Diisopropyl ether	3.757	45	218443	52.186	ug/l	93
23) Vinyl Acetate	3.715	43	911566	260.960	ug/l	98
24) 1,1-Dichloroethane	3.599	63	119458	50.922	ug/l	99
25) 2-Butanone	4.556	43	286555	274.133	ug/l	96
26) 2,2-Dichloropropane	4.465	77	86451	78.567	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	71053	50.388	ug/l	92
28) Bromochloromethane	4.891	49	56750	50.753	ug/l	99
29) Tetrahydrofuran	5.001	42	176238	251.058	ug/l	99
30) Chloroform	5.087	83	120782	51.818	ug/l	100
31) Cyclohexane	5.452	56	99254	48.741	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	100201	53.226	ug/l	98
36) 1,1-Dichloropropene	5.678	75	77237	52.334	ug/l	99
37) Ethyl Acetate	4.715	43	102186	53.733	ug/l	99
38) Carbon Tetrachloride	5.666	117	84612	56.470	ug/l	98
39) Methylcyclohexane	7.373	83	97687	55.240	ug/l	96
40) Benzene	6.025	78	242215	51.973	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59716	58.072	ug/l		99
42) 1,2-Dichloroethane	6.080	62	96672	57.604	ug/l		97
43) Isopropyl Acetate	6.336	43	160232	56.979	ug/l		99
44) Trichloroethene	7.117	130	56744	51.854	ug/l		100
45) 1,2-Dichloropropane	7.421	63	64615	53.925	ug/l		98
46) Dibromomethane	7.574	93	47119	55.635	ug/l		97
47) Bromodichloromethane	7.818	83	94372	56.808	ug/l		99
48) Methyl methacrylate	7.690	41	80819	57.285	ug/l		96
49) 1,4-Dioxane	7.665	88	29379	987.206	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	540720	286.370	ug/l		99
52) Toluene	8.714	92	146417	53.547	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	84772	61.040	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	96208	59.407	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	60462	53.712	ug/l		97
56) Ethyl methacrylate	9.116	69	96357	56.313	ug/l		95
57) 1,3-Dichloropropane	9.305	76	106148	54.489	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	258027	309.131	ug/l		98
59) 2-Hexanone	9.427	43	395325	288.965	ug/l		99
60) Dibromochloromethane	9.519	129	67728	57.543	ug/l		98
61) 1,2-Dibromoethane	9.604	107	60702	54.017	ug/l		100
64) Tetrachloroethene	9.269	164	48599	54.416	ug/l		98
65) Chlorobenzene	10.073	112	159759	54.144	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54037	54.992	ug/l		99
67) Ethyl Benzene	10.189	91	286365	55.699	ug/l		100
68) m/p-Xylenes	10.299	106	211033	112.126	ug/l		97
69) o-Xylene	10.640	106	102643	54.073	ug/l		97
70) Styrene	10.653	104	173421	56.462	ug/l		98
71) Bromoform	10.799	173	43429	58.610	ug/l	#	99
73) Isopropylbenzene	10.957	105	272973	54.526	ug/l		99
74) N-amyl acetate	10.842	43	131333	55.907	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93995	51.164	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	101085	67.712	ug/l		85
77) Bromobenzene	11.195	156	60575	51.283	ug/l		95
78) n-propylbenzene	11.305	91	320714	56.710	ug/l		99
79) 2-Chlorotoluene	11.360	91	192413	53.424	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	222755	55.029	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25918	59.413	ug/l		92
82) 4-Chlorotoluene	11.451	91	215413	54.878	ug/l		99
83) tert-Butylbenzene	11.713	119	224427	53.959	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	224842	55.202	ug/l		98
85) sec-Butylbenzene	11.890	105	285577	57.320	ug/l		99
86) p-Isopropyltoluene	12.006	119	232345	57.707	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	112042	53.171	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	110569	51.865	ug/l		98
89) n-Butylbenzene	12.329	91	211674	61.041	ug/l		100
90) Hexachloroethane	12.536	117	41788	57.380	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	112628	53.282	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	57.585	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	68746	57.116	ug/l		99
94) Hexachlorobutadiene	13.725	225	29525	59.832	ug/l		98
95) Naphthalene	13.774	128	256043	55.368	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71037	55.945	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

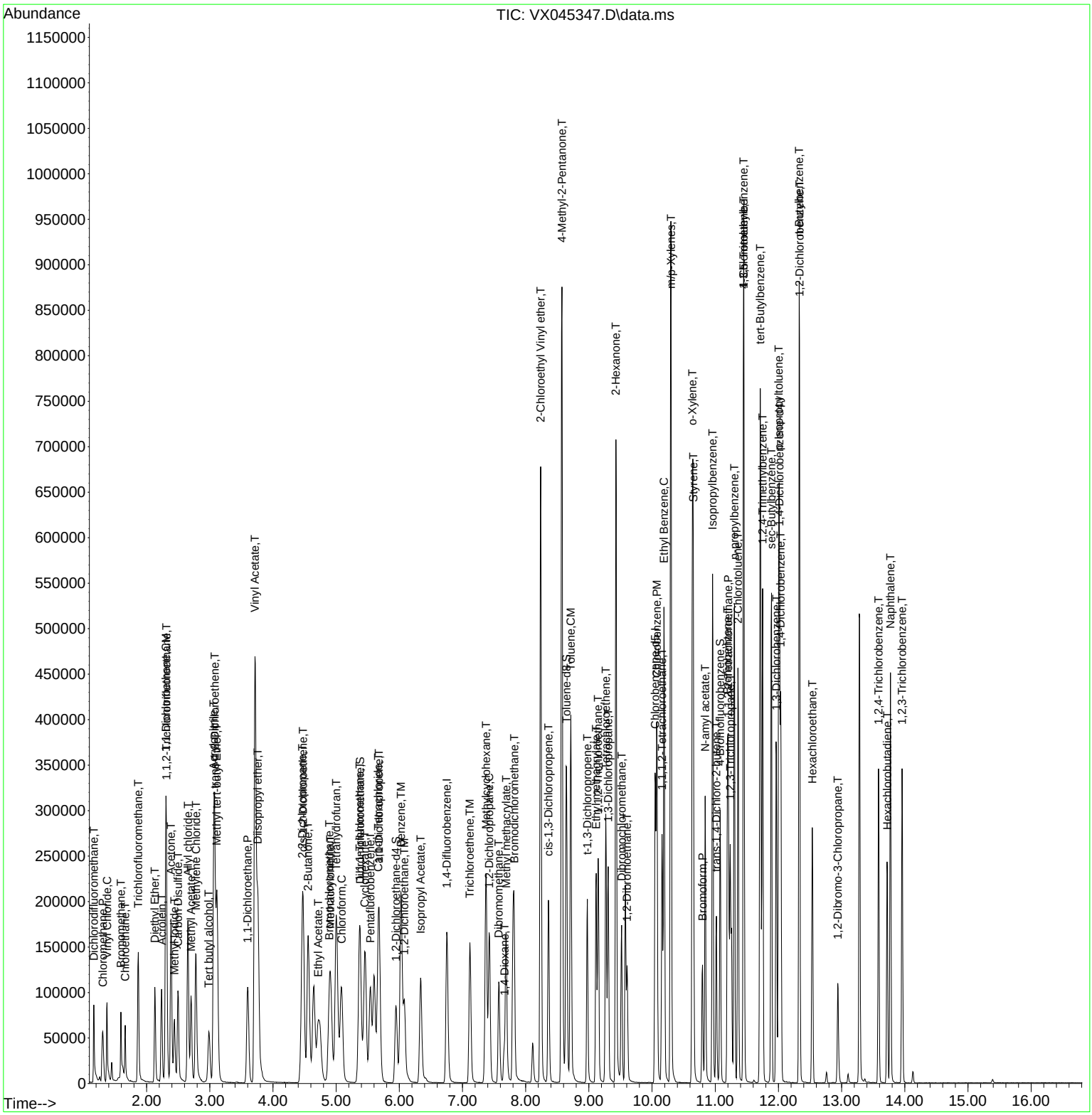
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

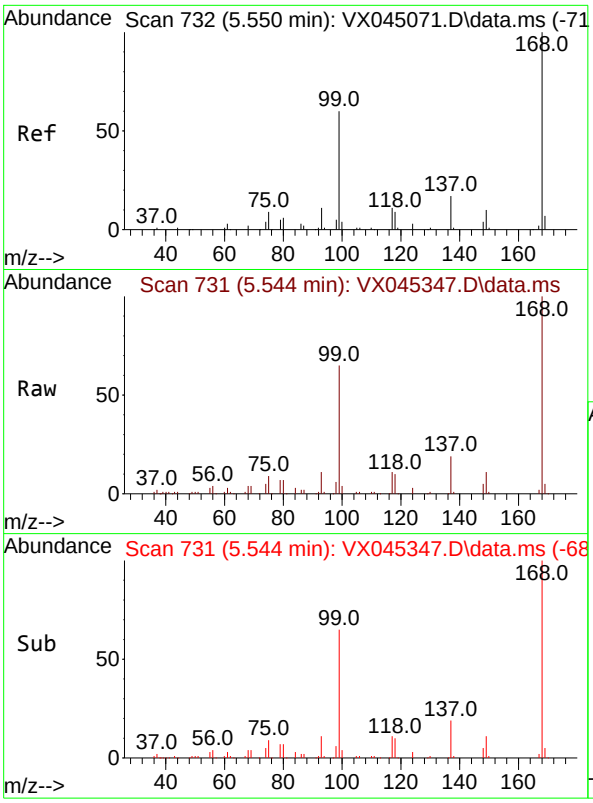
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



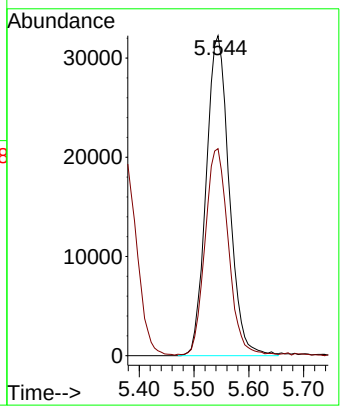


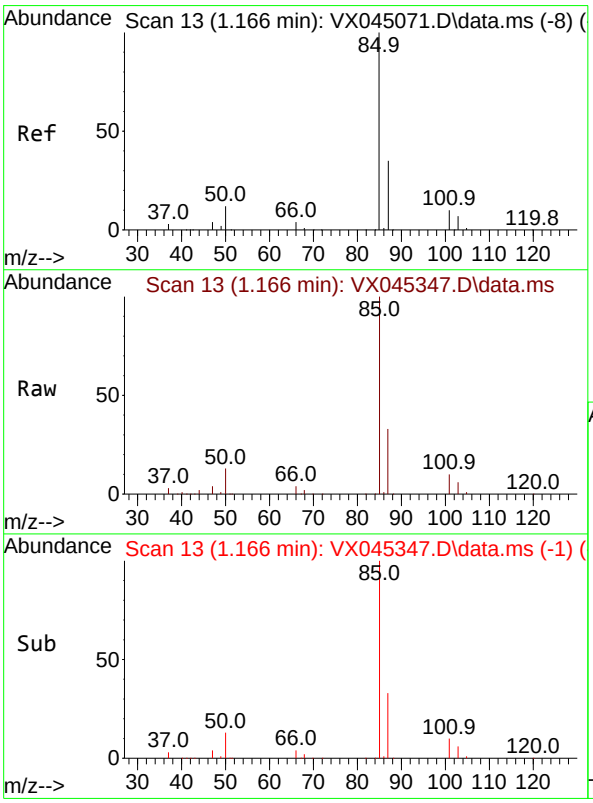
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 94097

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.2	72.4

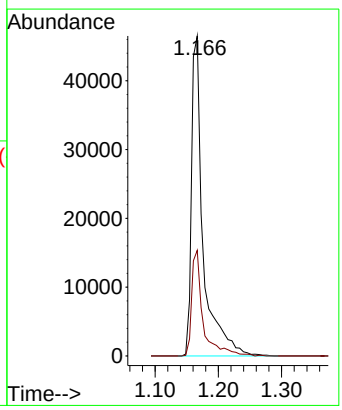


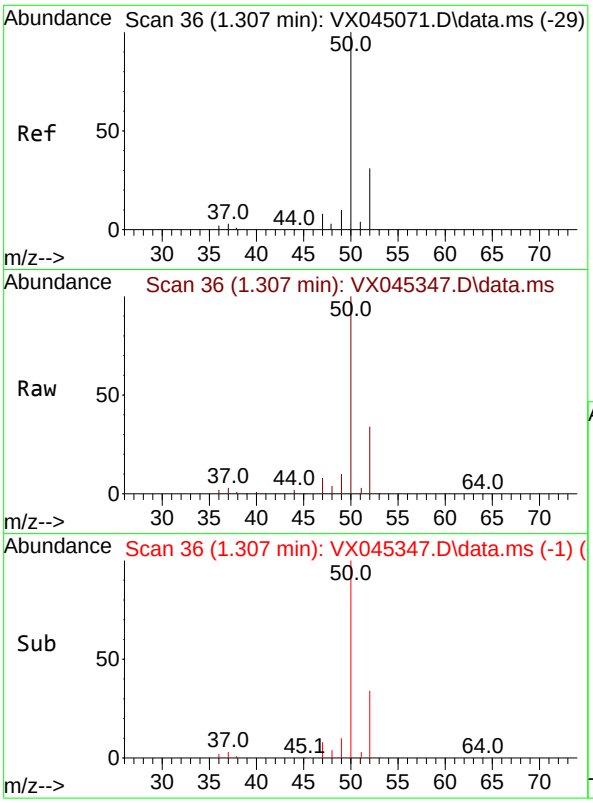


#2
Dichlorodifluoromethane
Concen: 50.442 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 85 Resp: 59746

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



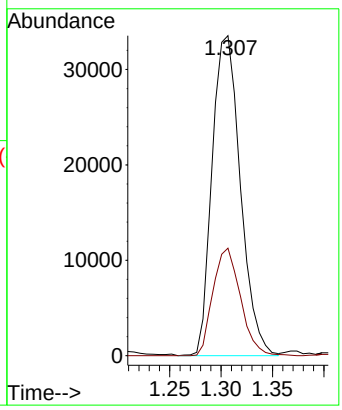


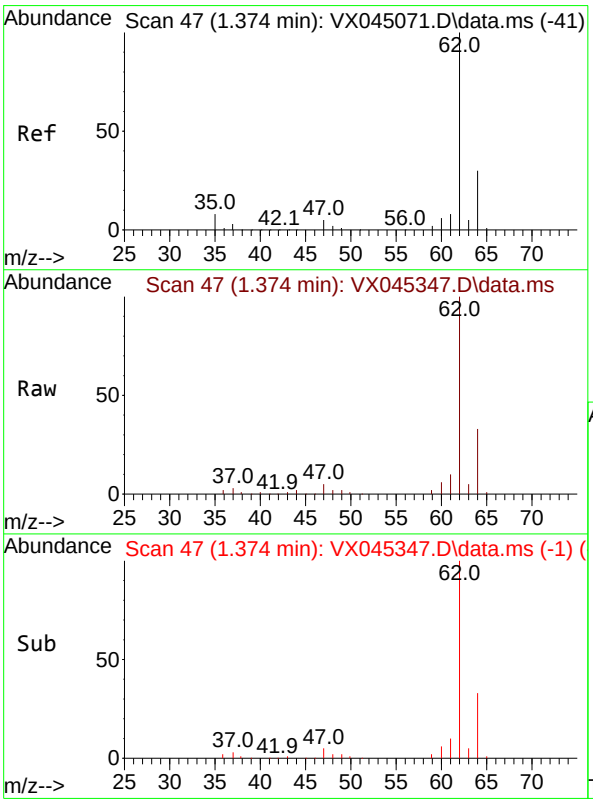
#3
Chloromethane
Concen: 44.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 64302

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.0	37.4

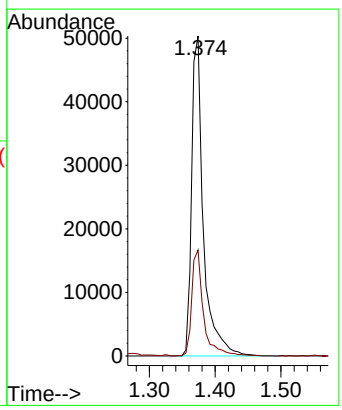


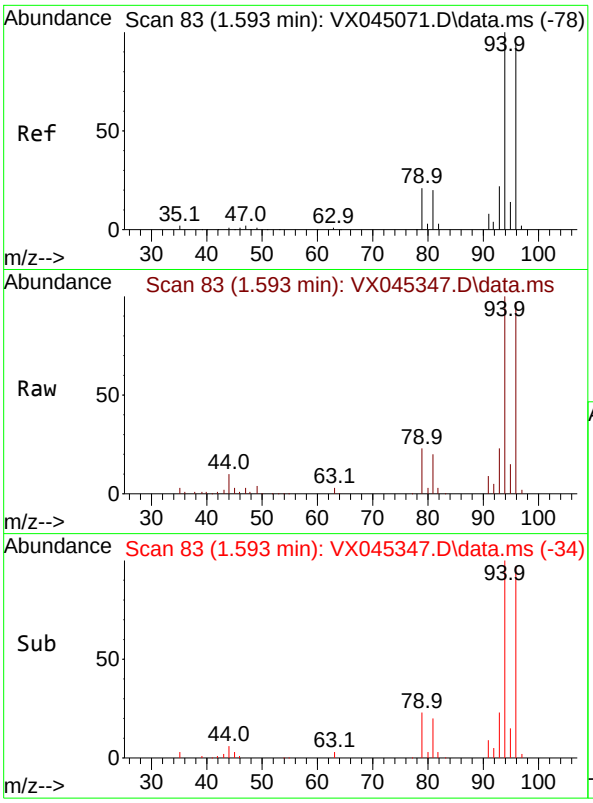


#4
Vinyl Chloride
Concen: 43.004 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 61838

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5



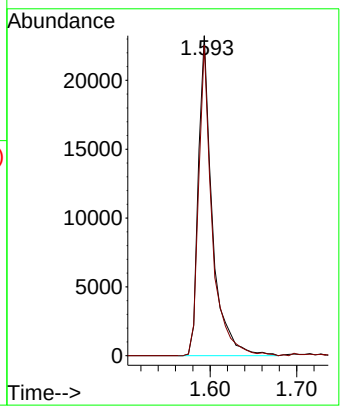


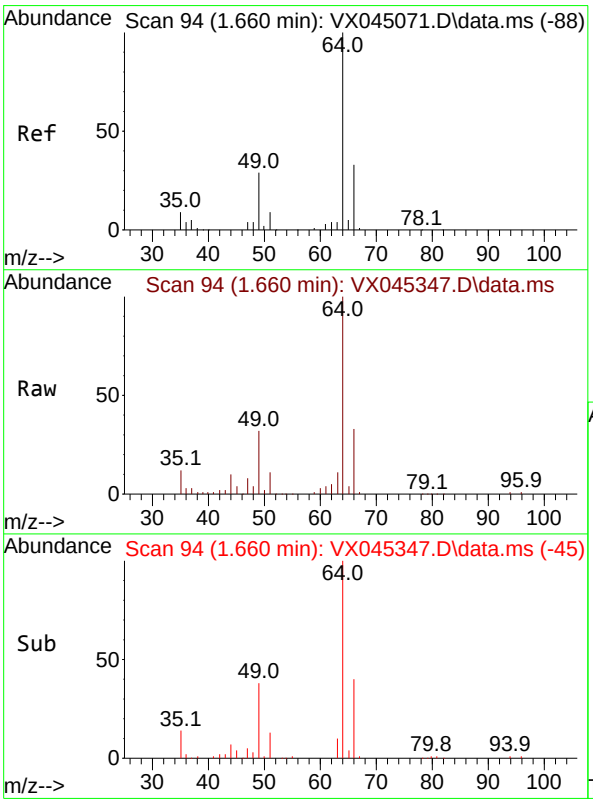
#5
Bromomethane
Concen: 45.822 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 25902

Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.0	112.4

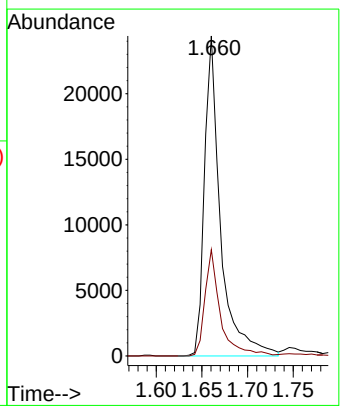


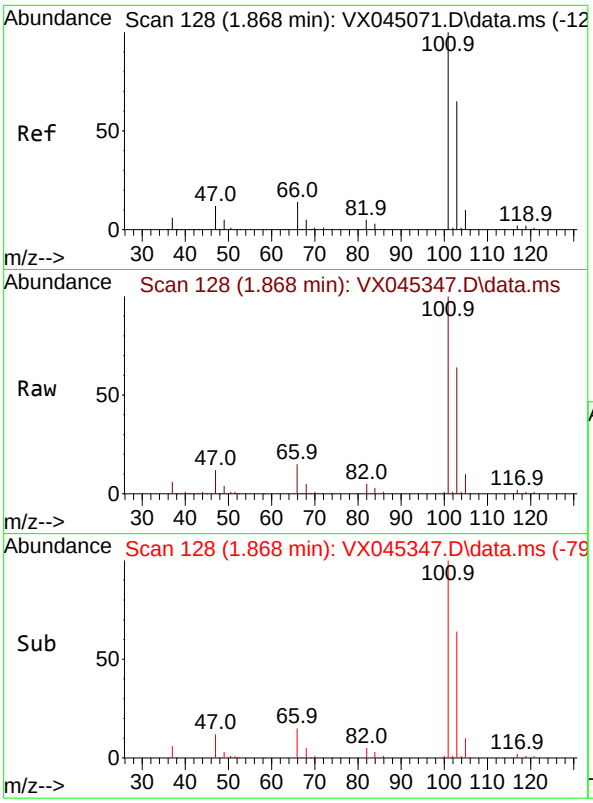


#6
Chloroethane
Concen: 44.831 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 64 Resp: 29735

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.7	40.1



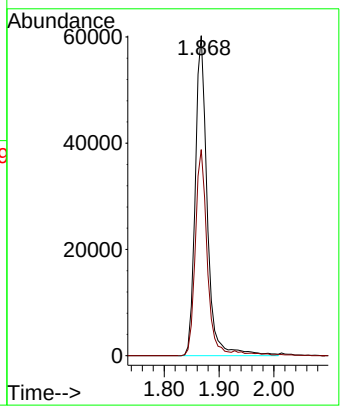


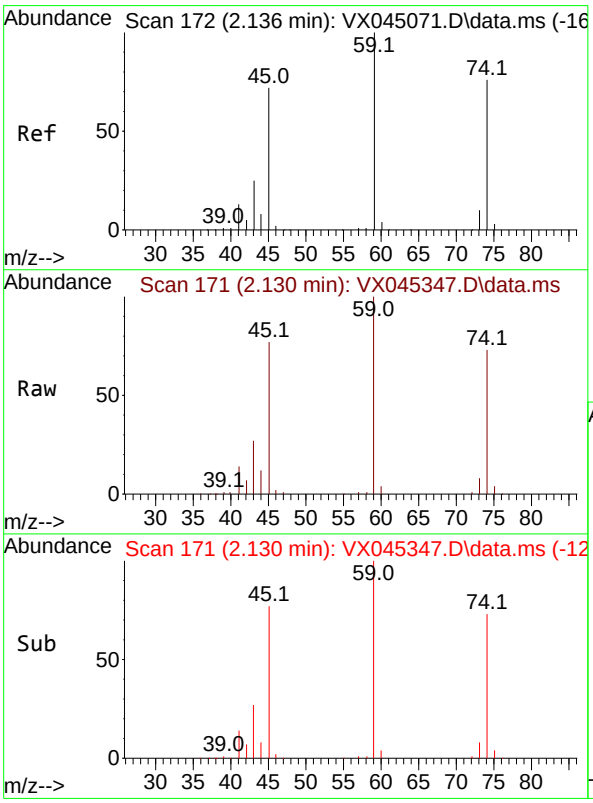
#7
Trichlorofluoromethane
Concen: 48.366 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 92068

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

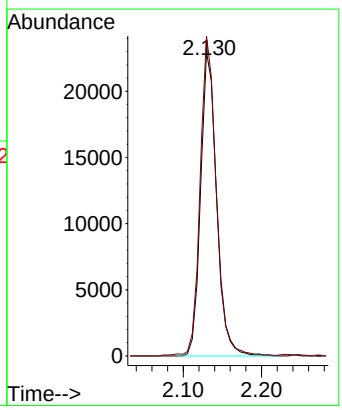


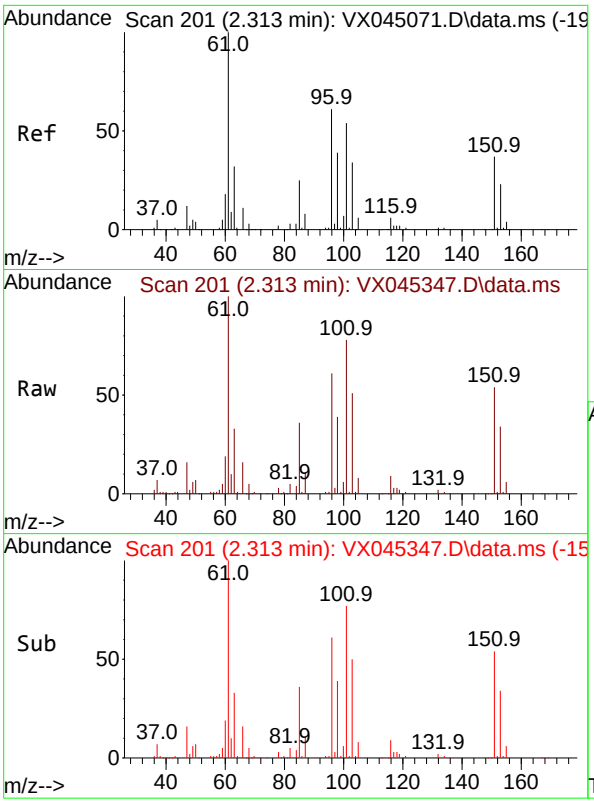


#8
Diethyl Ether
Concen: 43.843 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 74 Resp: 32644

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5



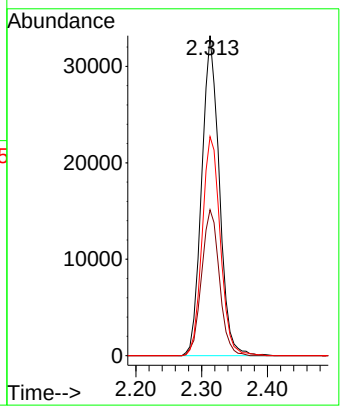


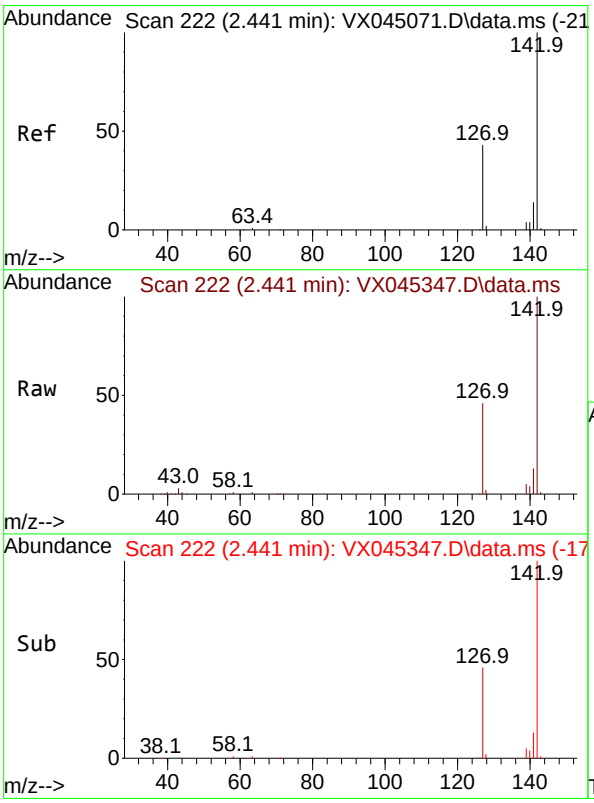
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.396 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 61677

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.6	56.4	84.6

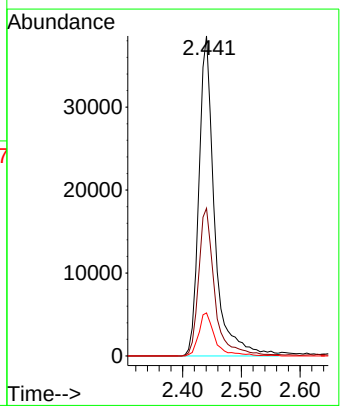


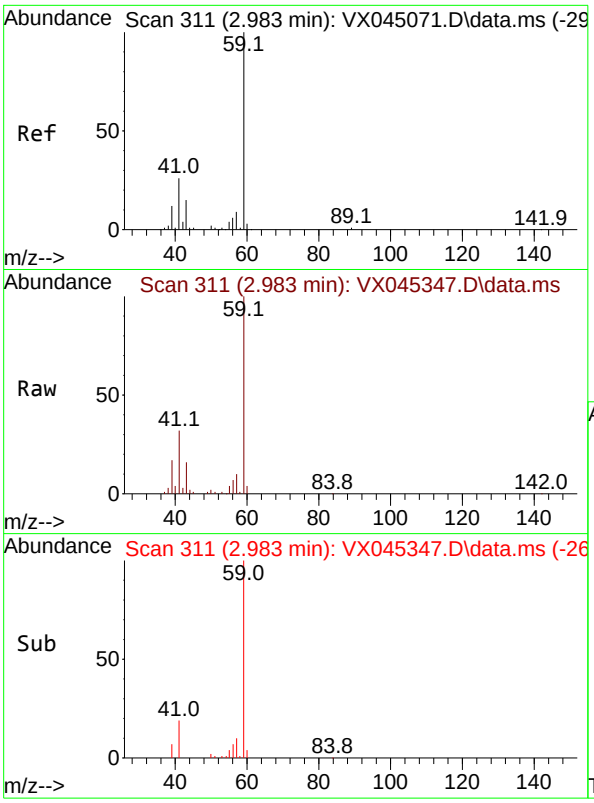


#10
Methyl Iodide
Concen: 52.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:142 Resp: 71548

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	13.9	11.6	17.4



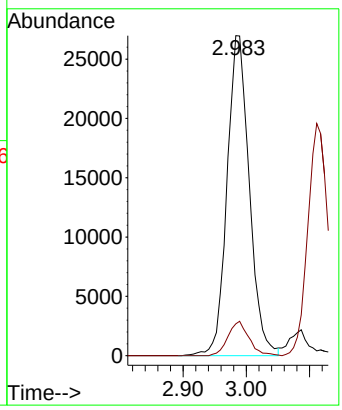


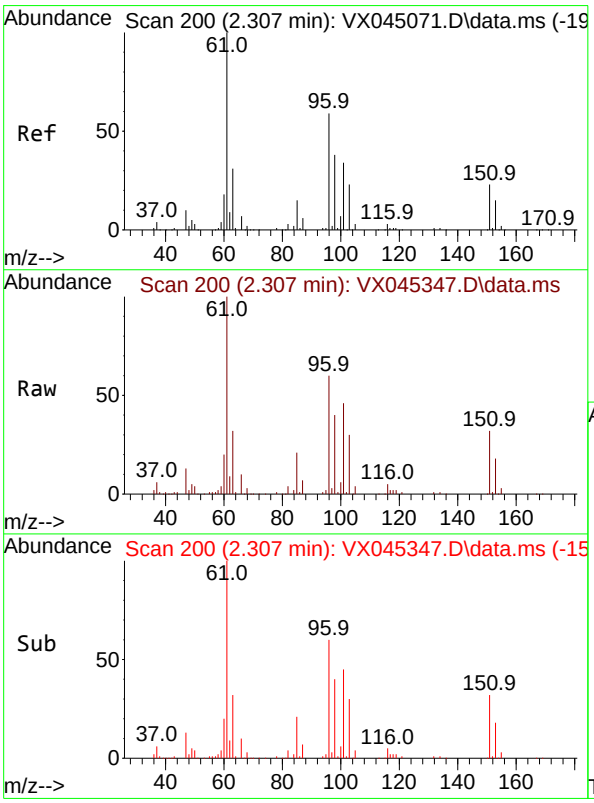
#11
Tert butyl alcohol
Concen: 232.818 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 66006

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

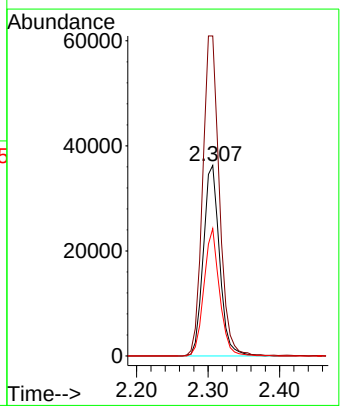


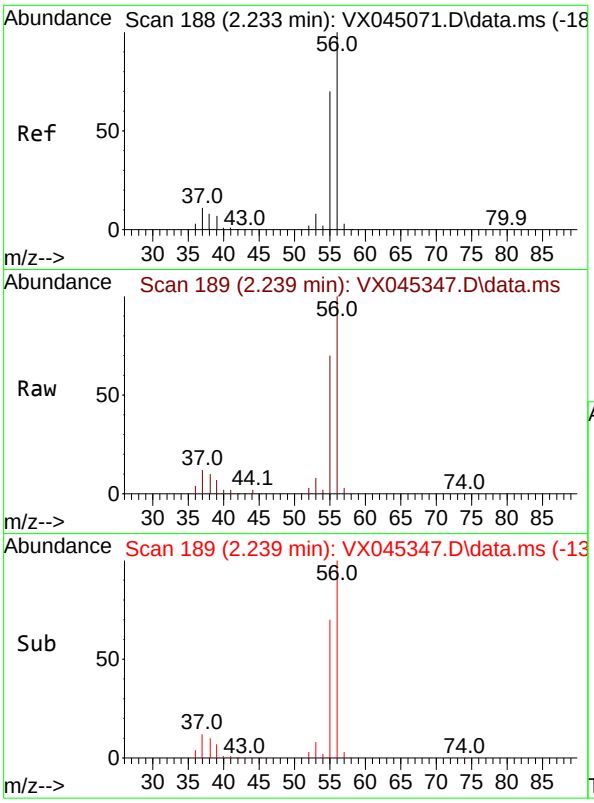


#12
1,1-Dichloroethene
Concen: 49.441 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 57166

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	66.8	51.0	76.6



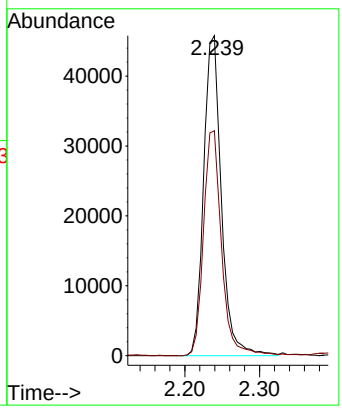


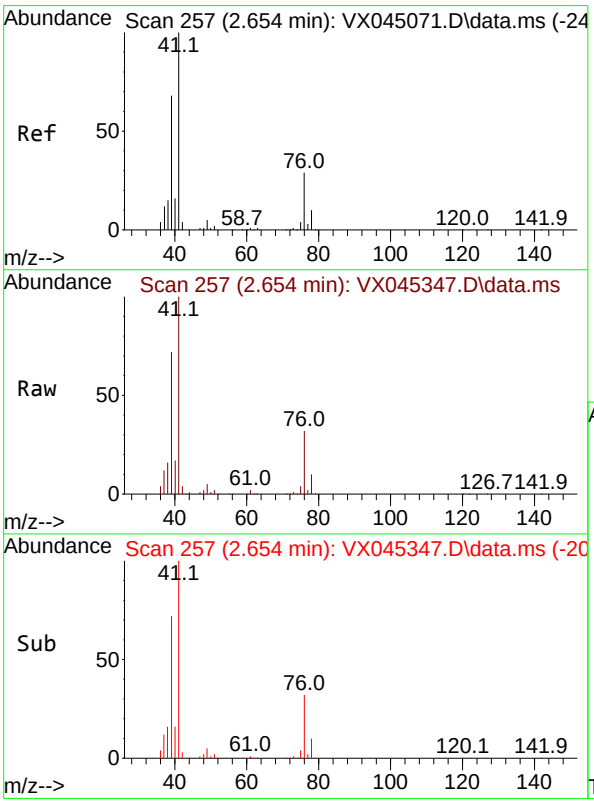
#13
Acrolein
Concen: 229.981 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 75371

Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.2	84.4

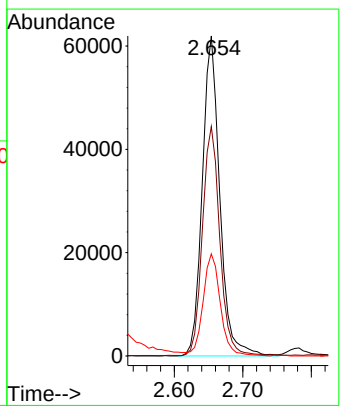


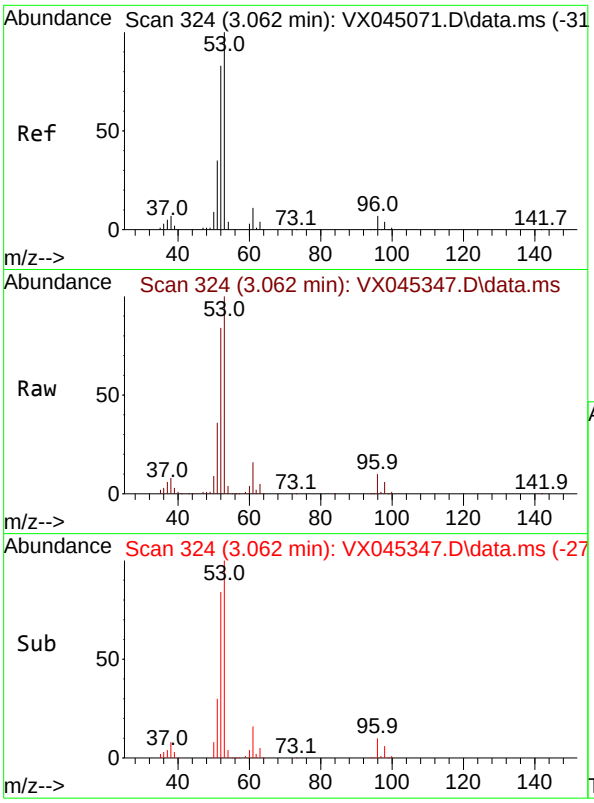


#14
Allyl chloride
Concen: 53.602 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 110322

Ion	Ratio	Lower	Upper
41	100		
39	70.6	53.8	80.8
76	31.7	25.2	37.8



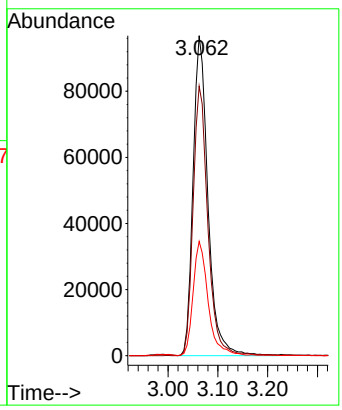


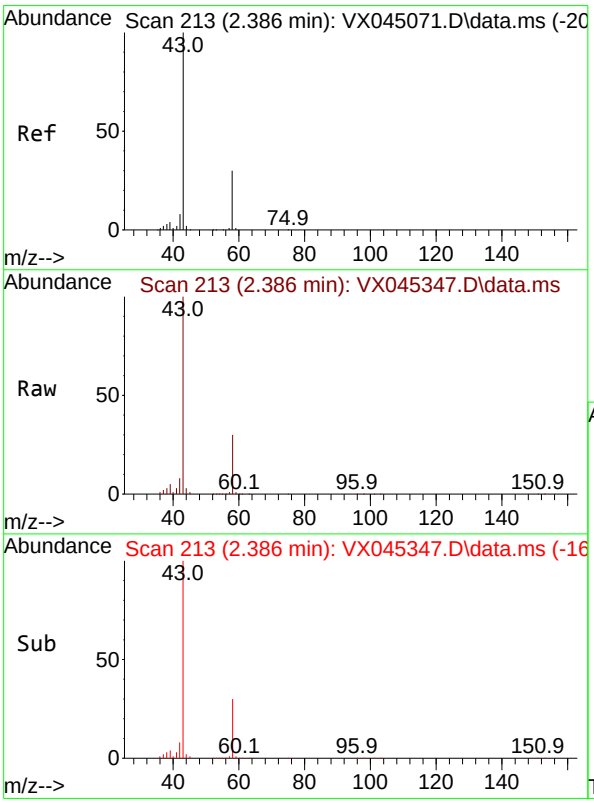
#15
Acrylonitrile
Concen: 264.049 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 200634

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.8	29.0	43.4

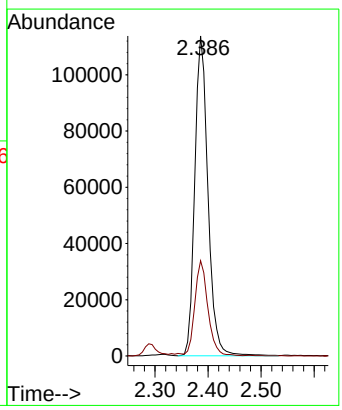


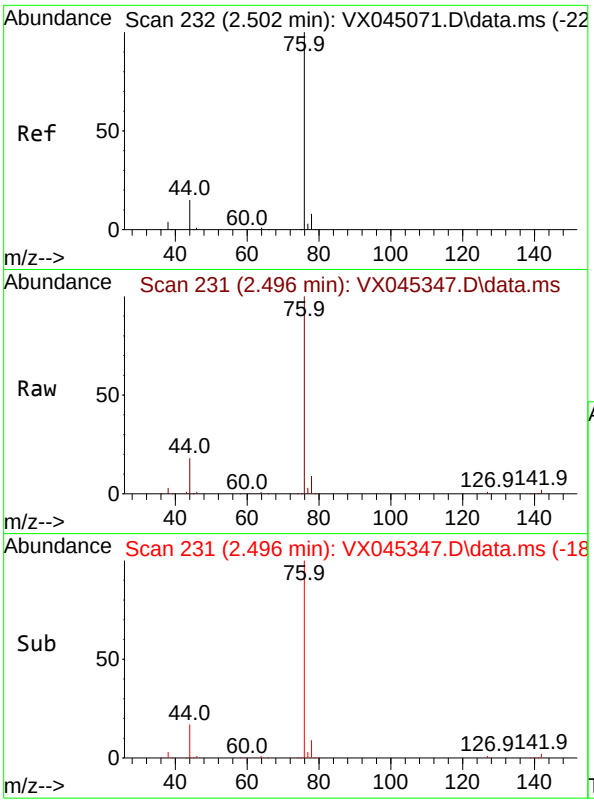


#16
Acetone
Concen: 282.690 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 196313

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



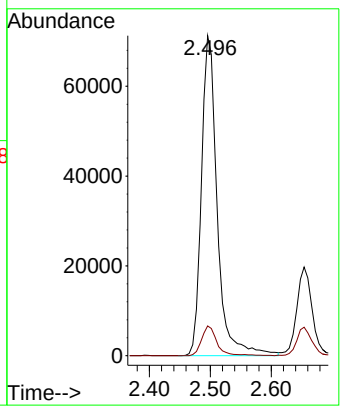


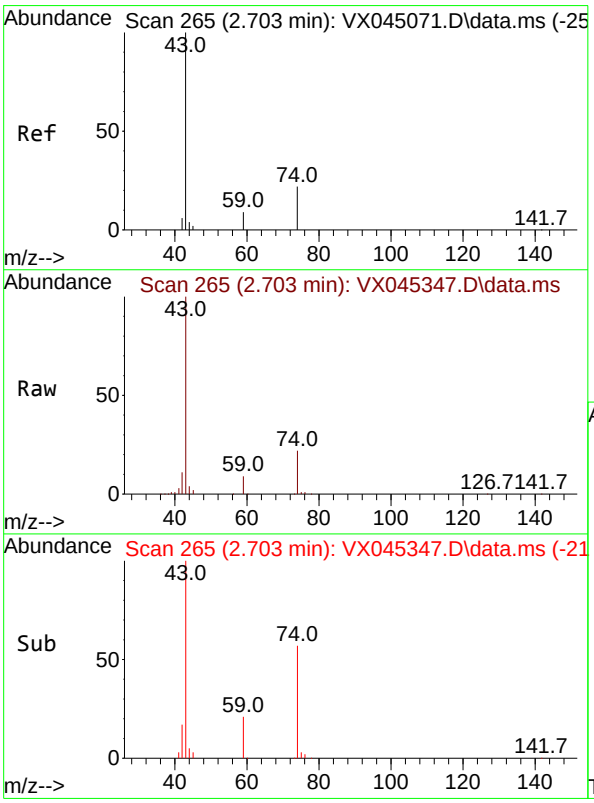
#17
Carbon Disulfide
Concen: 41.629 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 128203

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

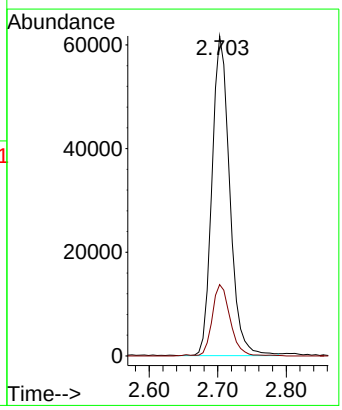


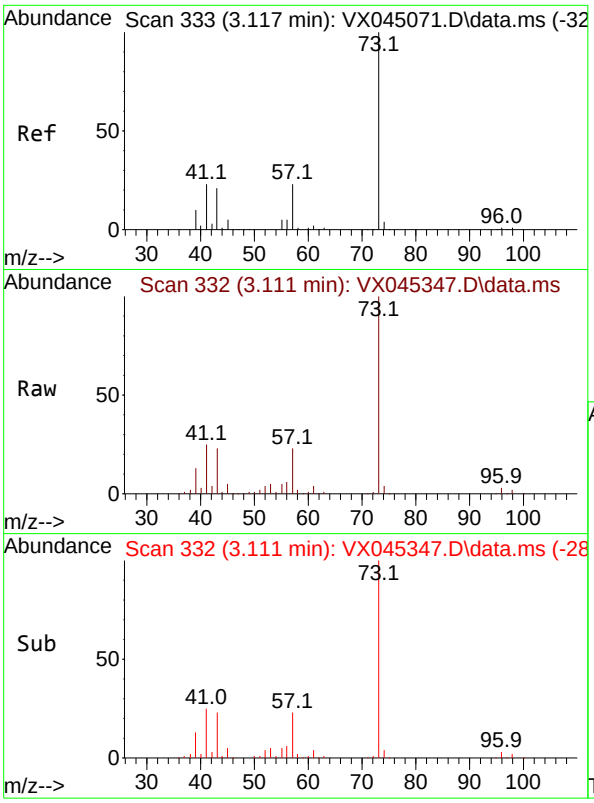


#18
Methyl Acetate
Concen: 66.439 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 110994

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



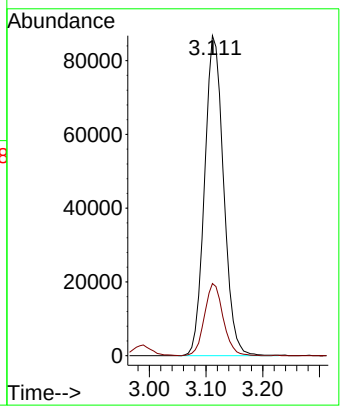


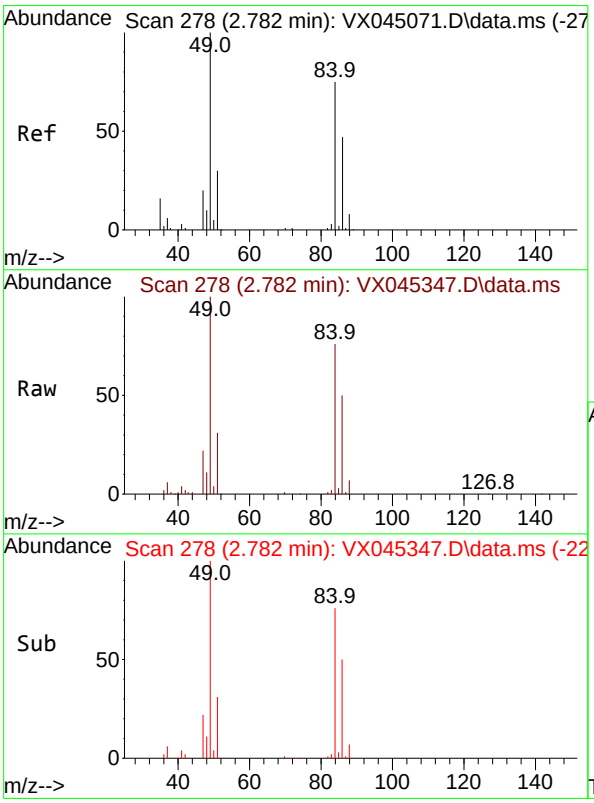
#19
Methyl tert-butyl Ether
Concen: 51.972 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 201610

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

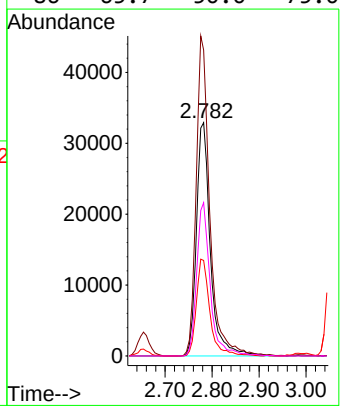


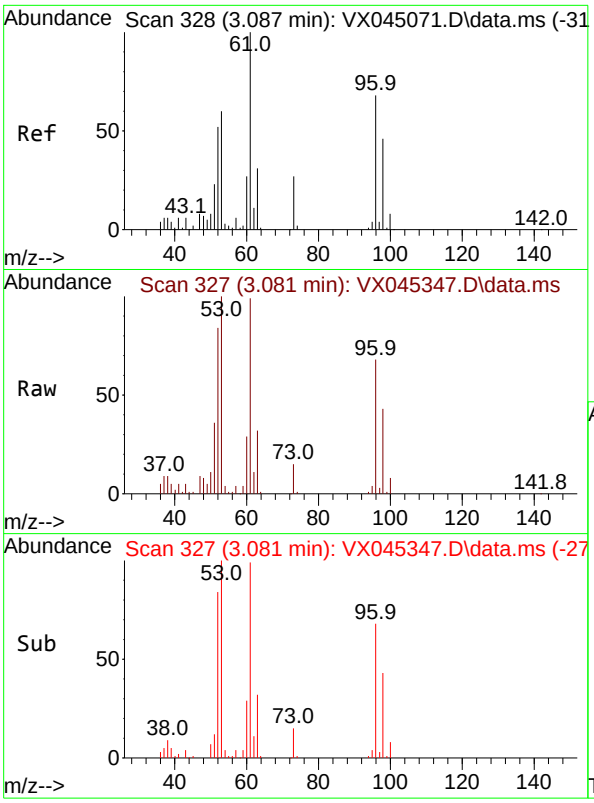


#20
Methylene Chloride
Concen: 49.504 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 84 Resp: 68099

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.0	32.1	48.1
86	65.7	50.0	75.0



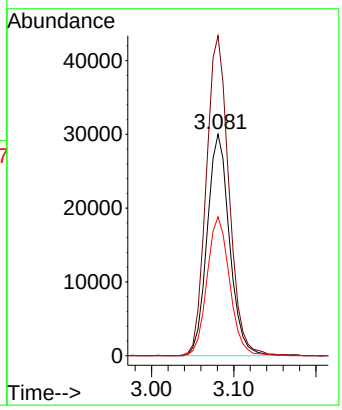


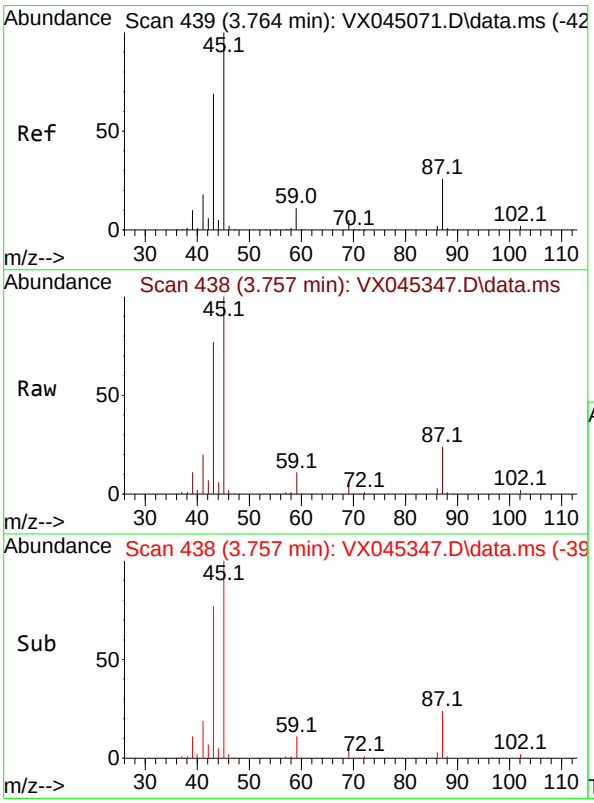
#21
trans-1,2-Dichloroethene
Concen: 49.612 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 56672

Ion	Ratio	Lower	Upper
96	100		
61	144.5	117.0	175.4
98	62.7	53.4	80.2

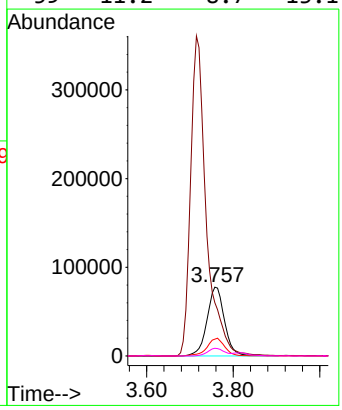


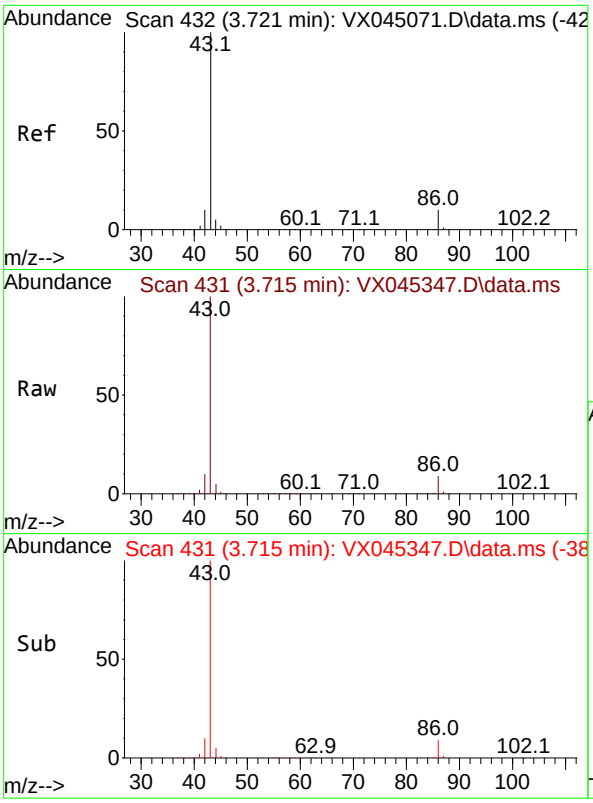


#22
Diisopropyl ether
Concen: 52.186 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 45 Resp: 218443

Ion	Ratio	Lower	Upper
45	100		
43	76.8	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1



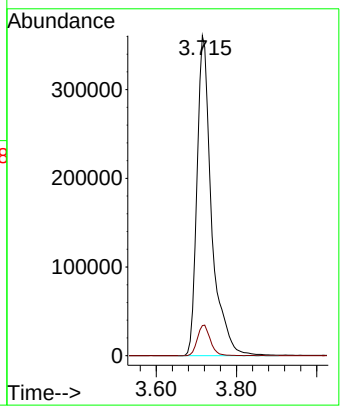


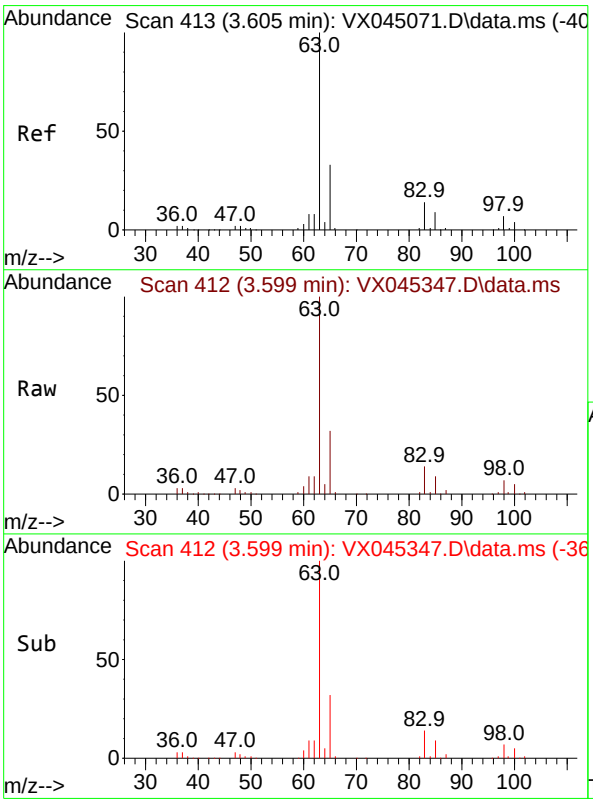
#23
Vinyl Acetate
Concen: 260.960 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 911566

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

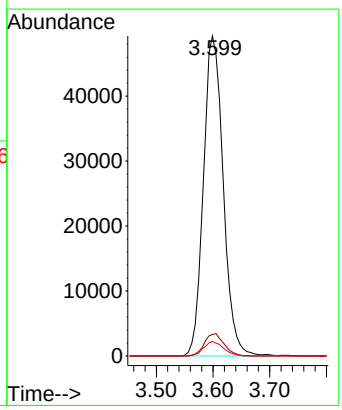


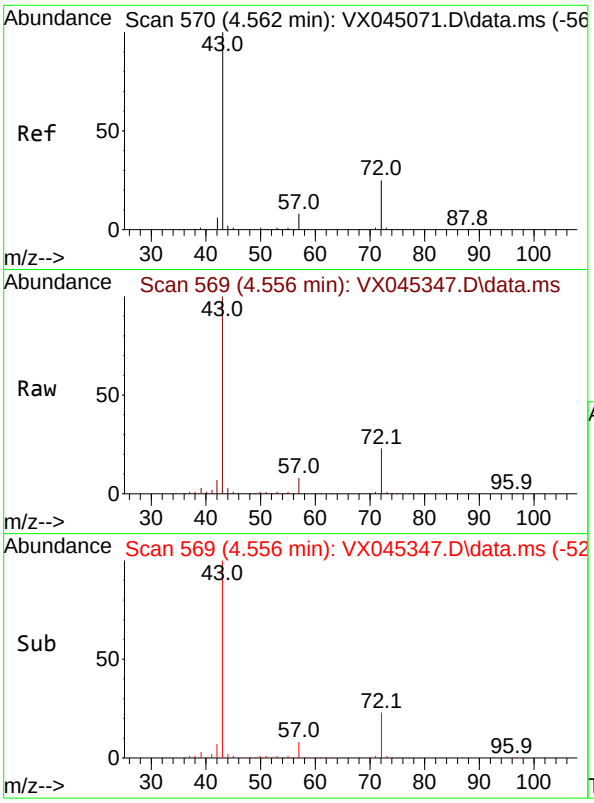


#24
1,1-Dichloroethane
Concen: 50.922 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 119458

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.1	6.5



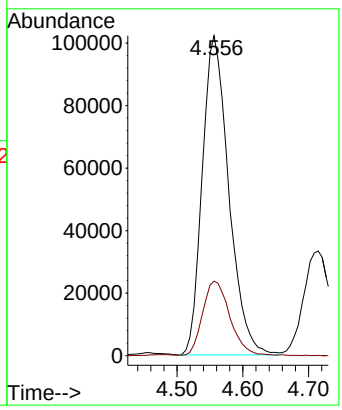


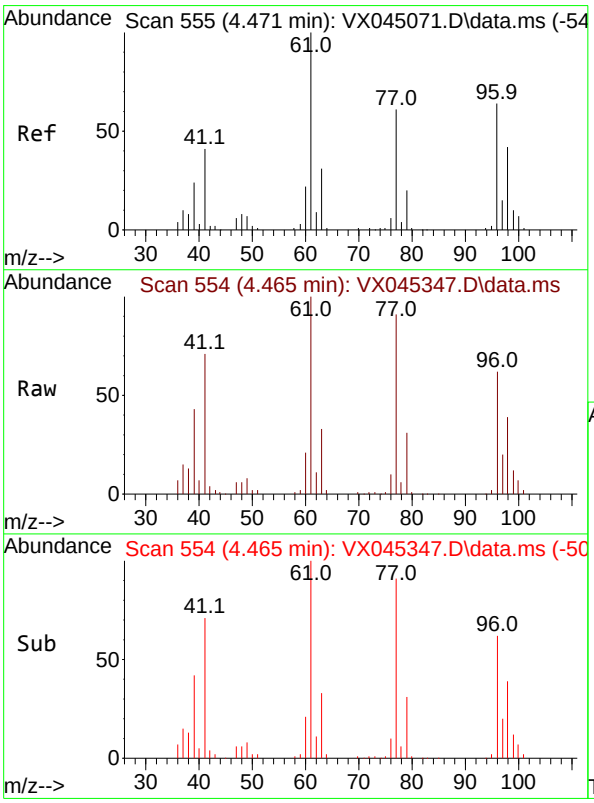
#25
2-Butanone
Concen: 274.133 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 286555

Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.0	30.0

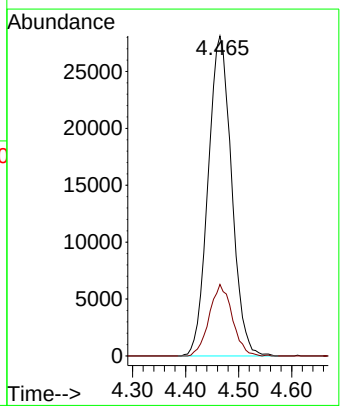


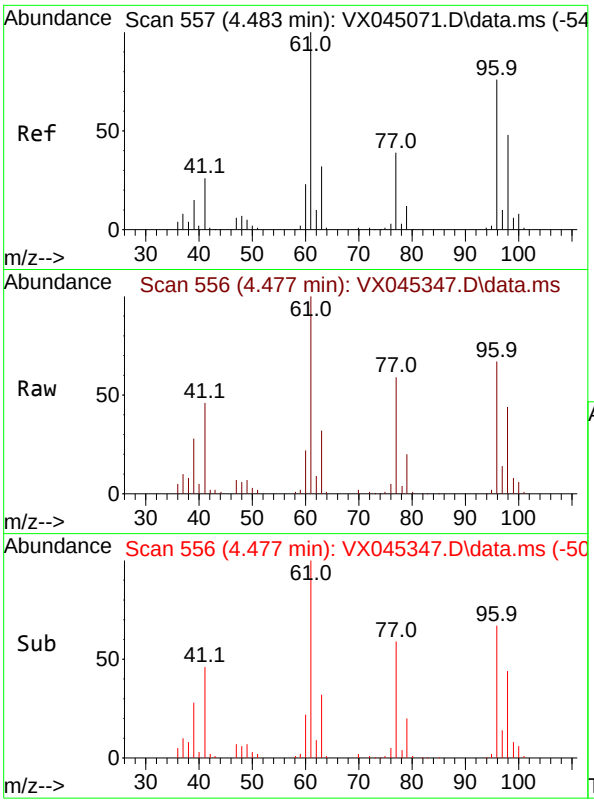


#26
2,2-Dichloropropane
Concen: 78.567 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 77 Resp: 86451

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0



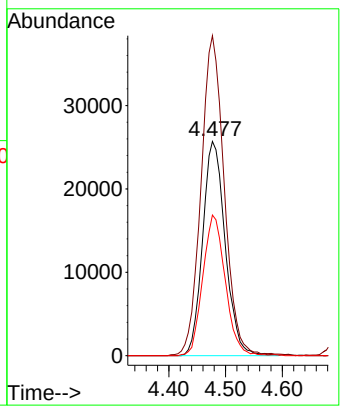


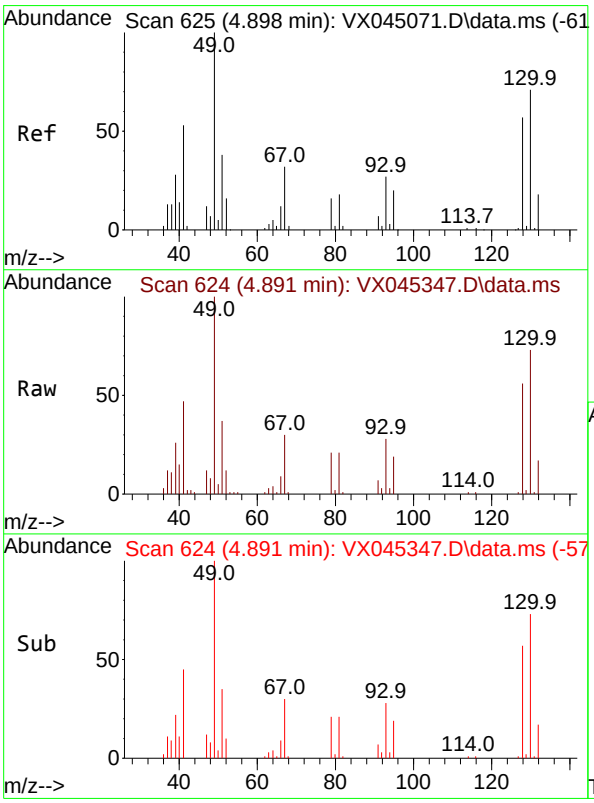
#27
cis-1,2-Dichloroethene
Concen: 50.388 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 71053

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	283.2
98	65.4	0.0	128.0

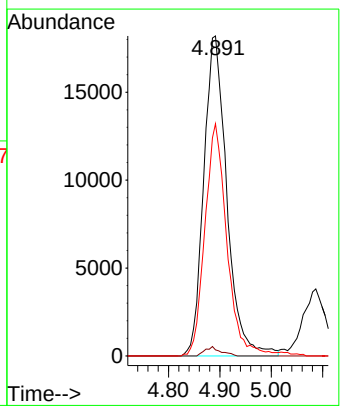


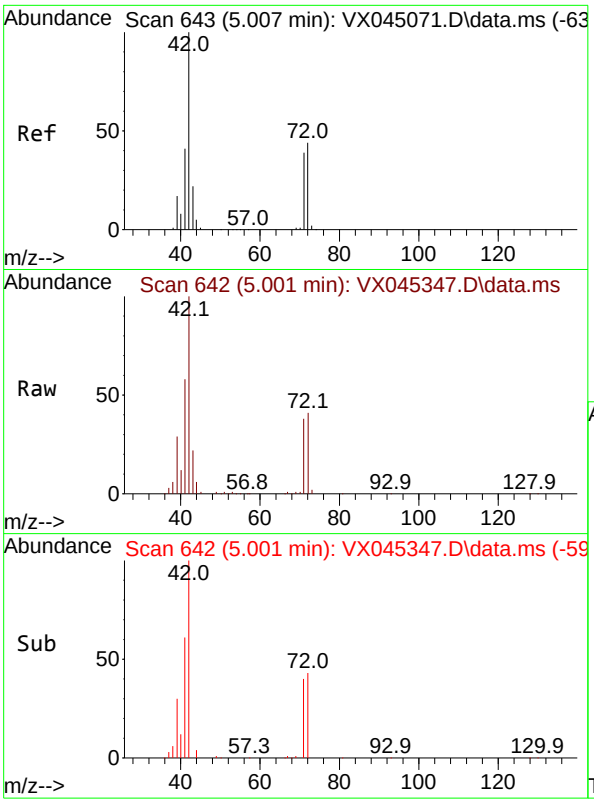


#28
Bromochloromethane
Concen: 50.753 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 49 Resp: 56750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.0	56.1	84.1



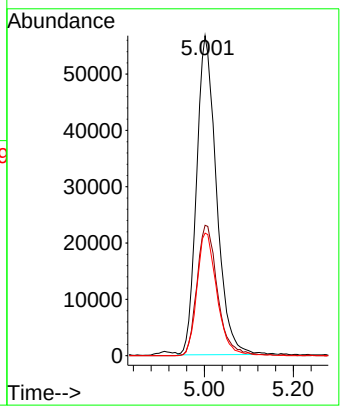


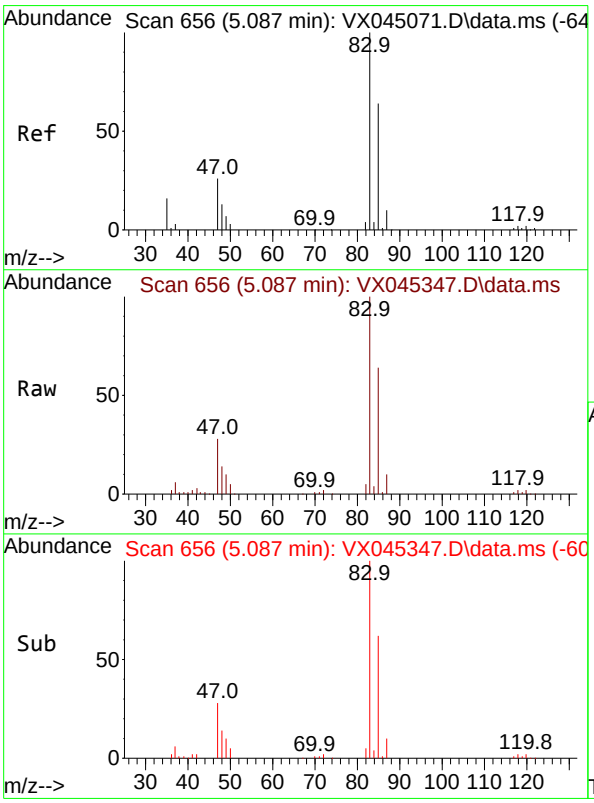
#29
Tetrahydrofuran
Concen: 251.058 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 176238

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	38.7	31.4	47.0

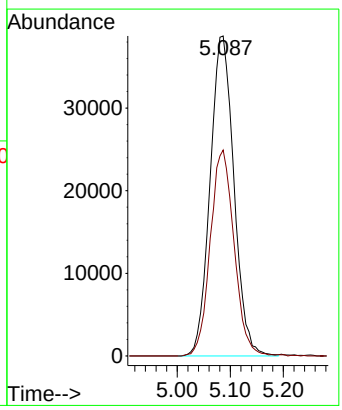


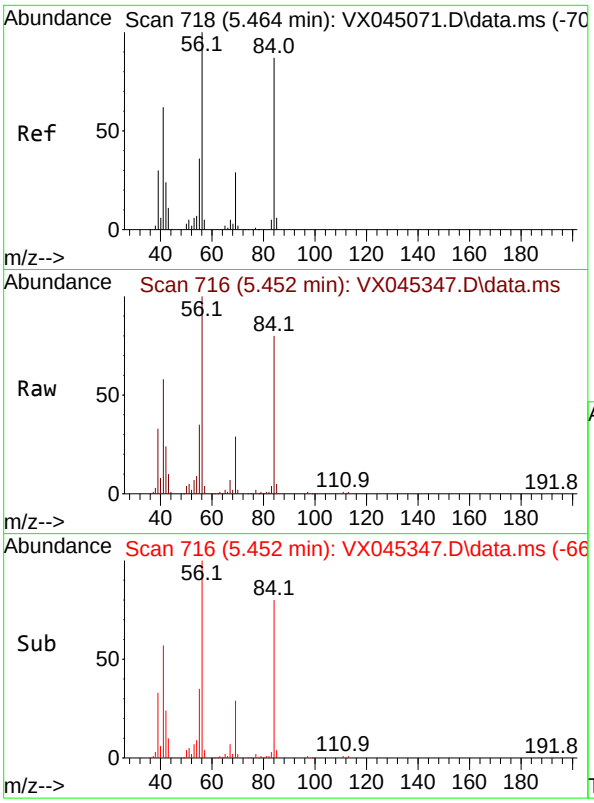


#30
Chloroform
Concen: 51.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



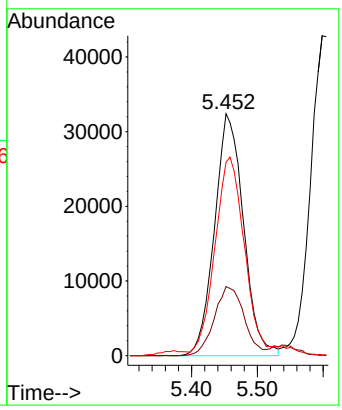


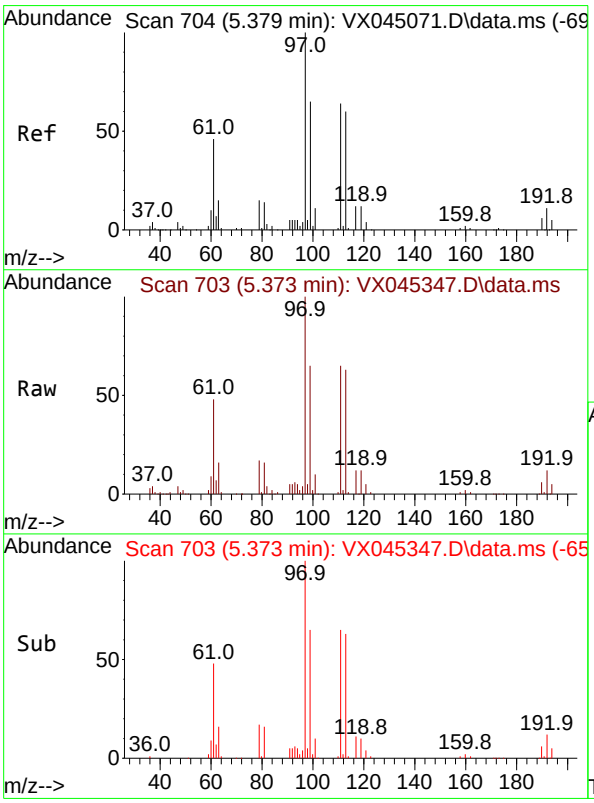
#31
Cyclohexane
Concen: 48.741 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 99254

Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.2
84	78.2	69.4	104.2

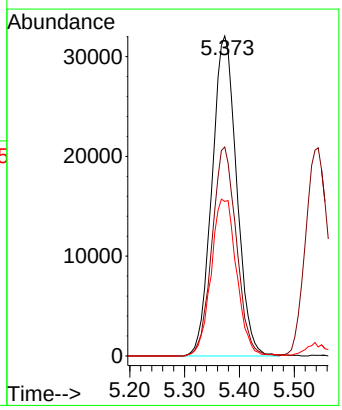


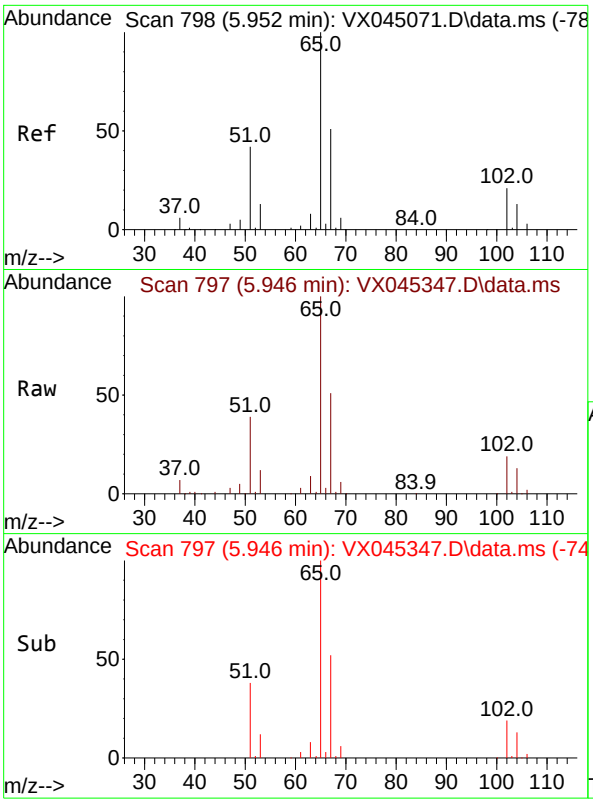


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 100201

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.4	38.4	57.6



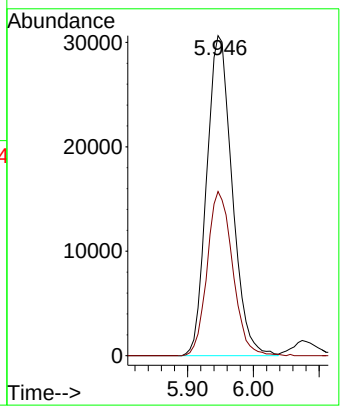


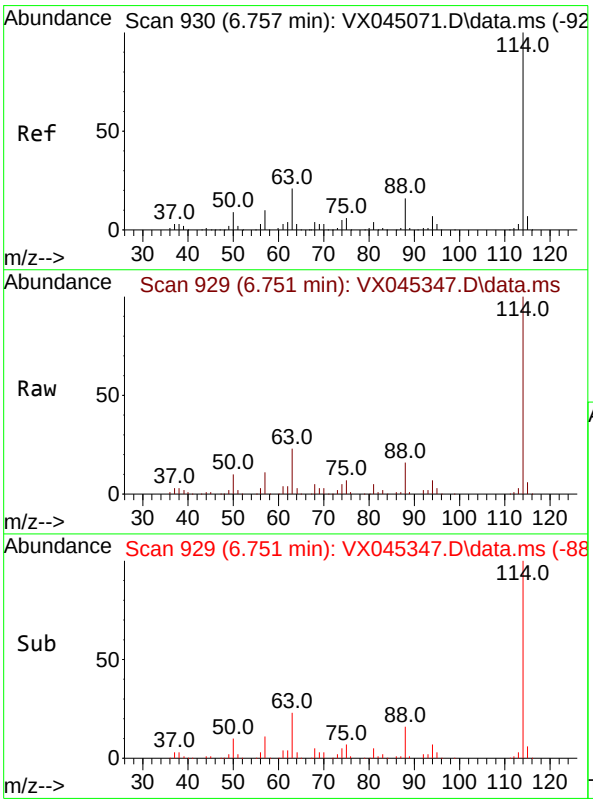
#33
1,2-Dichloroethane-d4
Concen: 55.125 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 82508

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

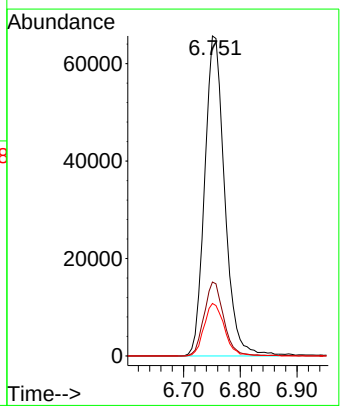


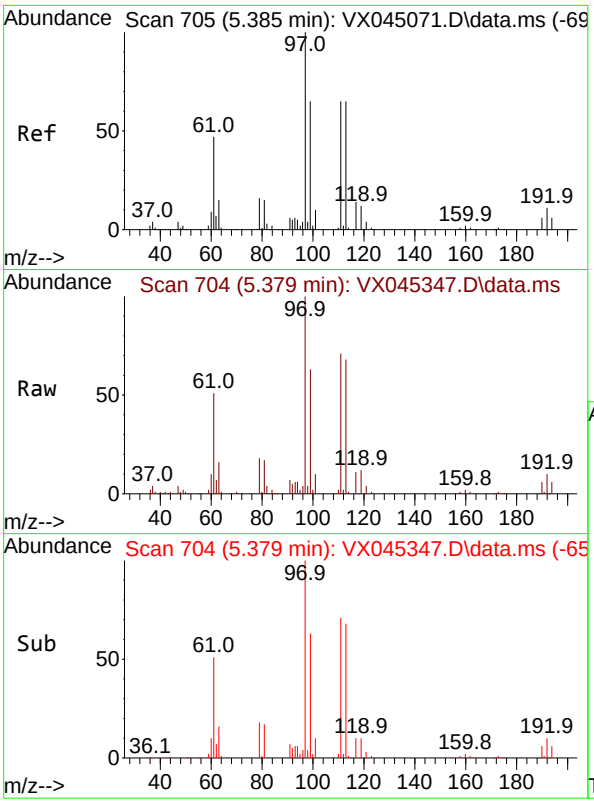


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:114 Resp: 160941

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	16.4	0.0	32.8



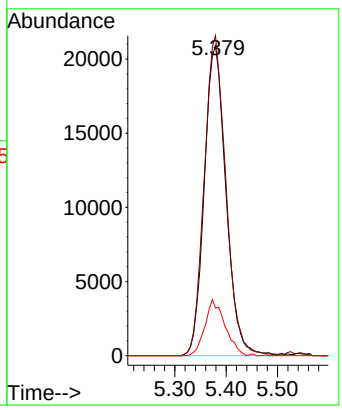


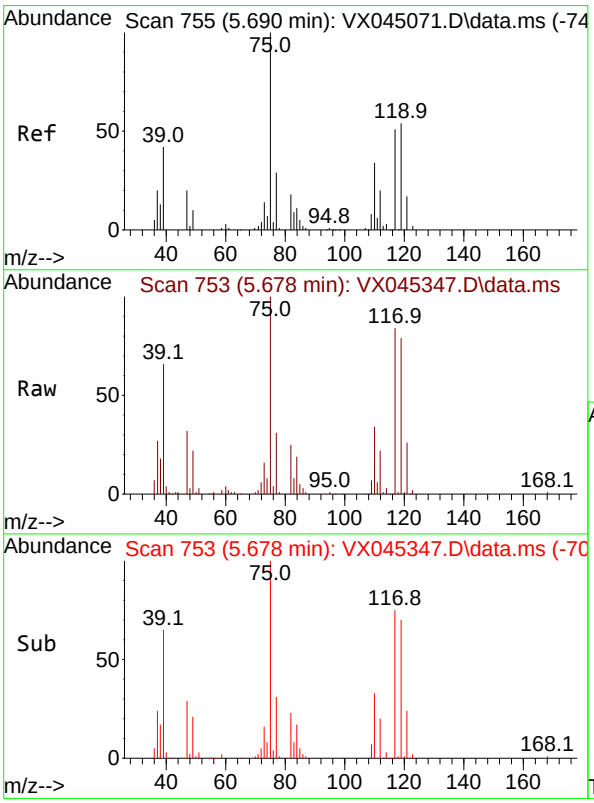
#35
Dibromofluoromethane
Concen: 57.055 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 61401

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.8	14.3	21.5

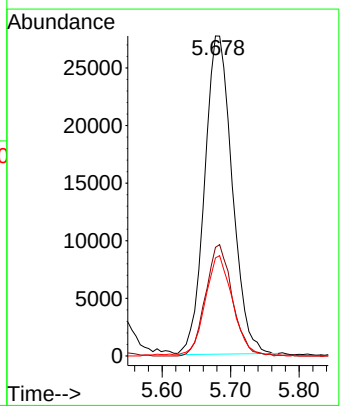


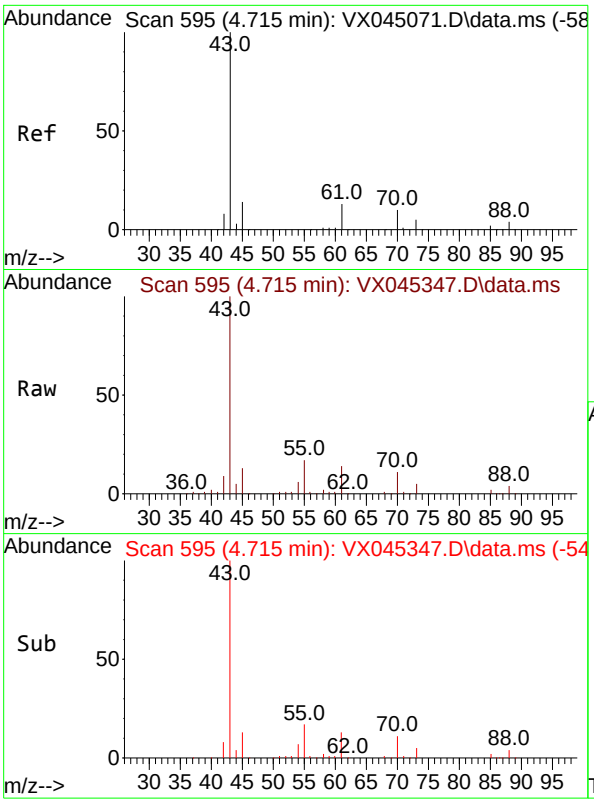


#36
1,1-Dichloropropene
Concen: 52.334 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 77237

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.5	24.5	36.7



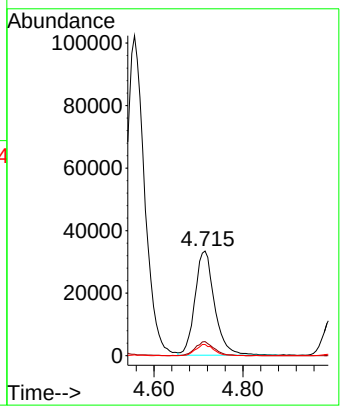


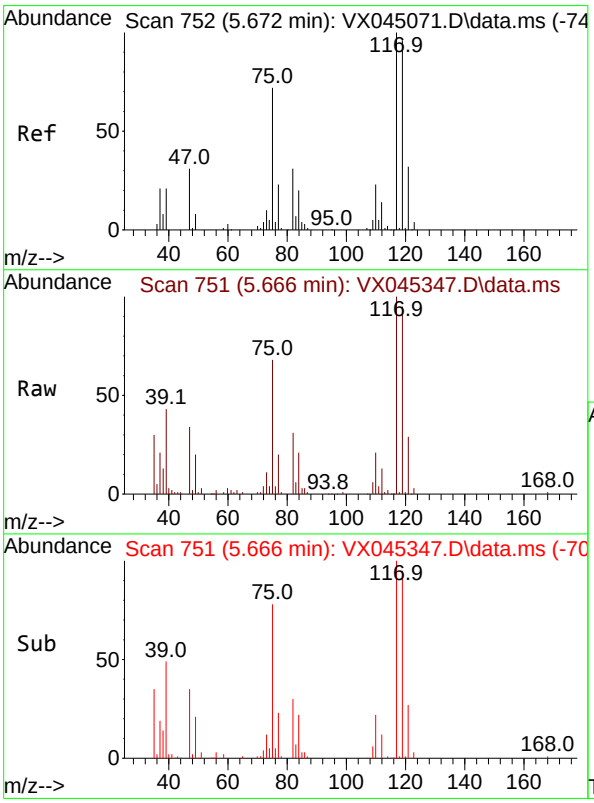
#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 102186

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	10.0	7.7	11.5

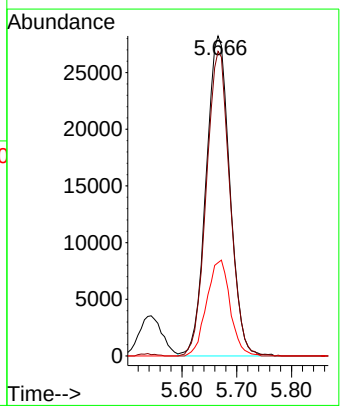


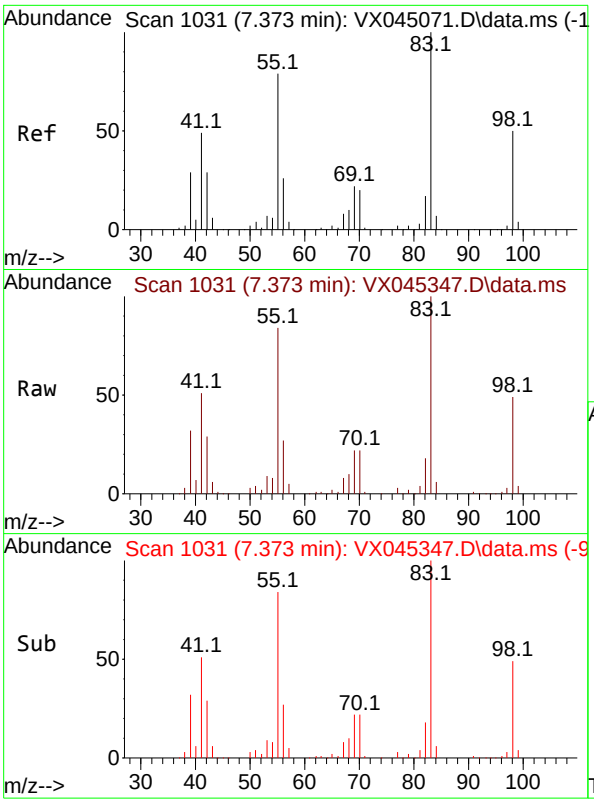


#38
Carbon Tetrachloride
Concen: 56.470 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 84612

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.2	25.5	38.3



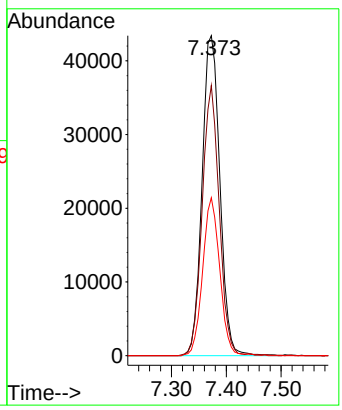


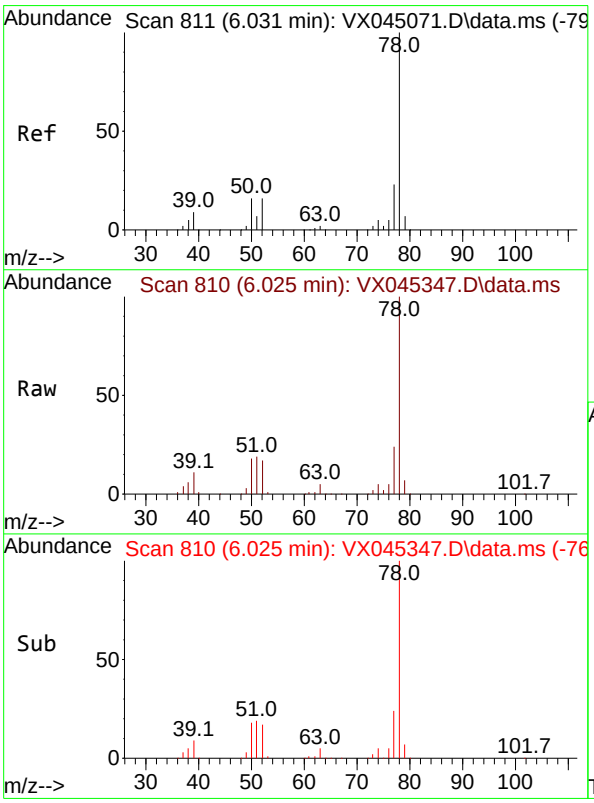
#39
Methylcyclohexane
Concen: 55.240 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 97687

Ion	Ratio	Lower	Upper
83	100		
55	84.4	63.0	94.4
98	49.3	39.7	59.5

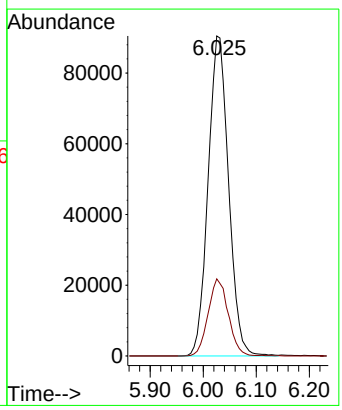


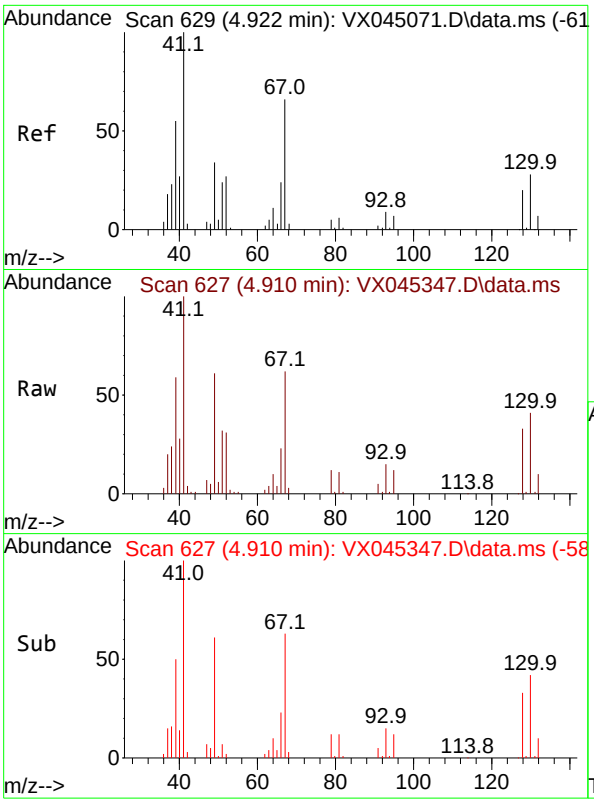


#40
Benzene
Concen: 51.973 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 78 Resp: 242215

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



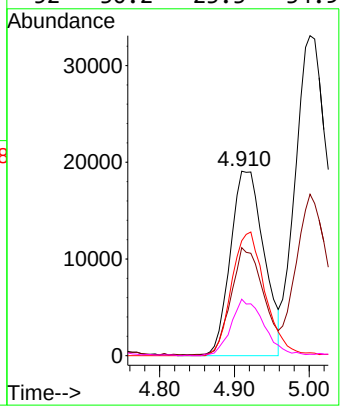


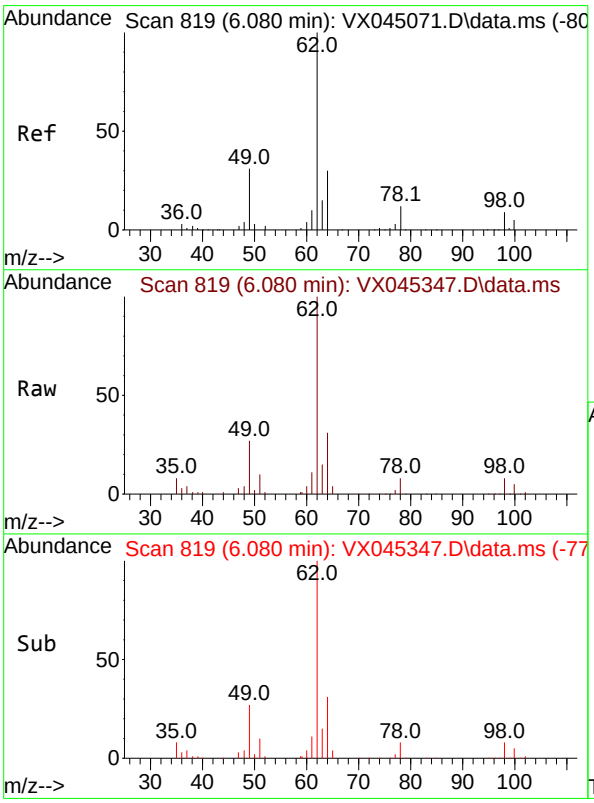
#41
Methacrylonitrile
Concen: 58.072 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 59716

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.3	53.9	80.9
52	30.2	23.3	34.9

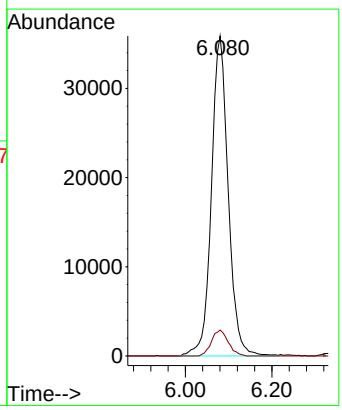


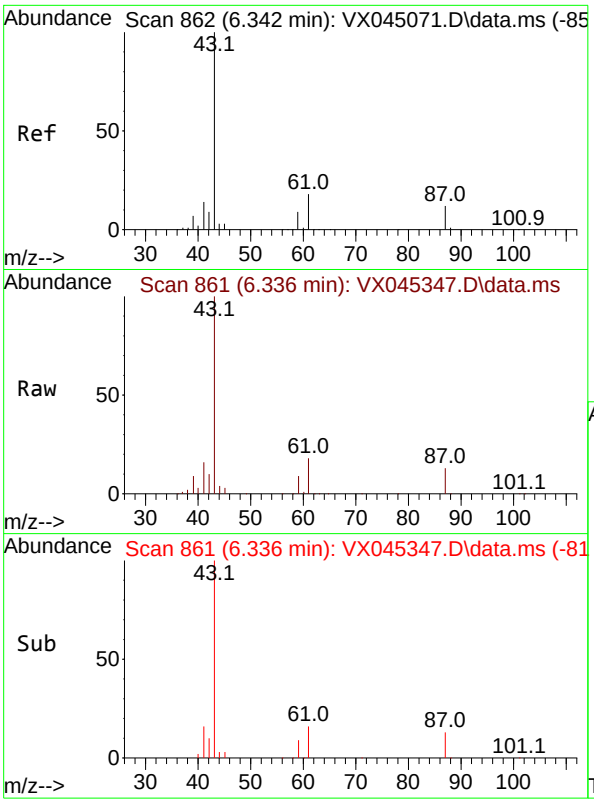


#42
1,2-Dichloroethane
Concen: 57.604 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 96672

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



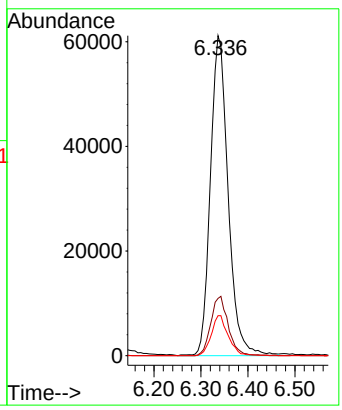


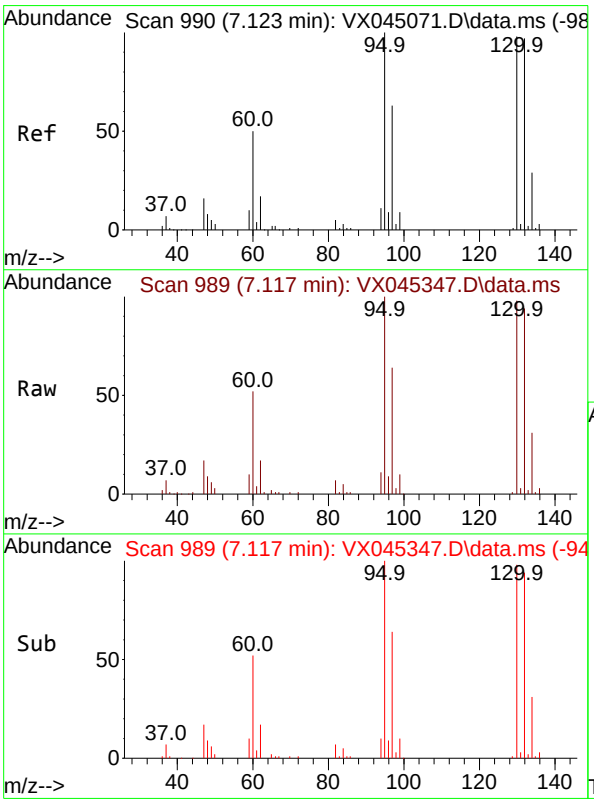
#43
Isopropyl Acetate
Concen: 56.979 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 160232

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.9	9.4	14.2

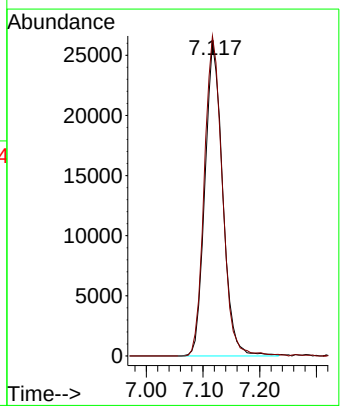


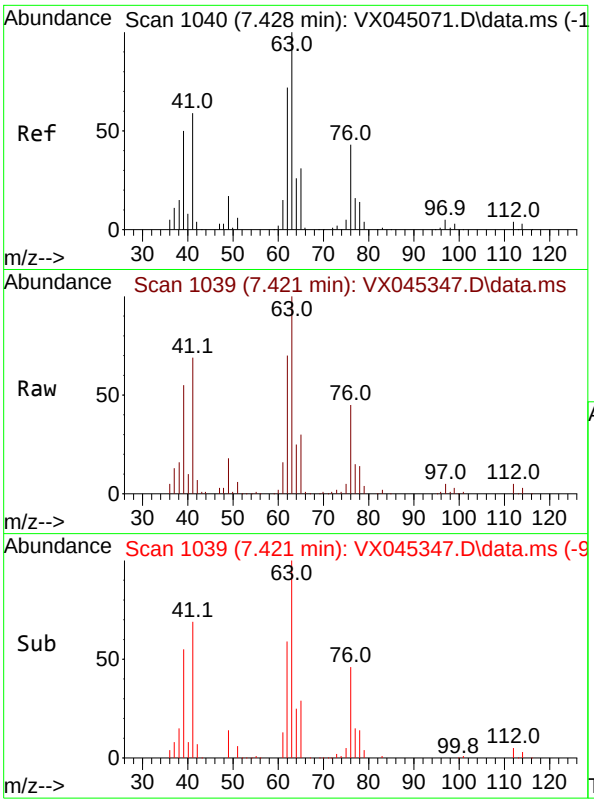


#44
Trichloroethene
Concen: 51.854 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:130 Resp: 56744

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.0



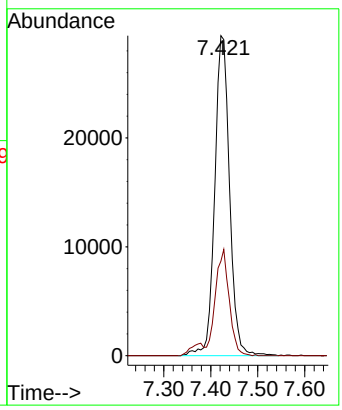


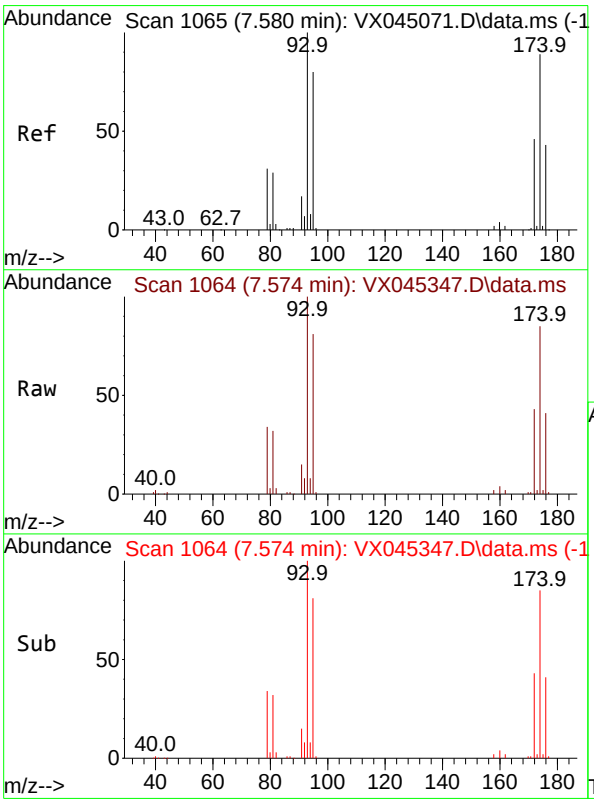
#45
1,2-Dichloropropane
Concen: 53.925 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 64615

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

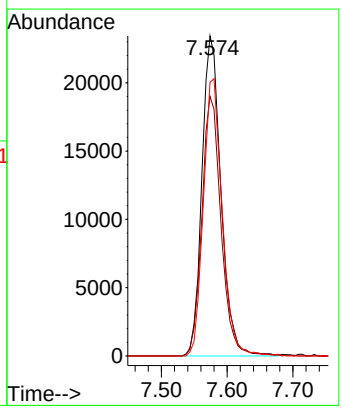


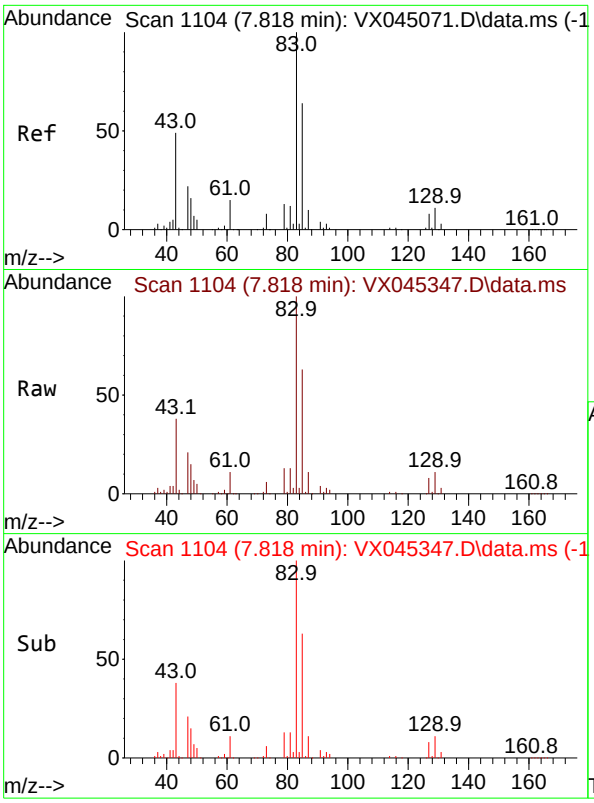


#46
Dibromomethane
Concen: 55.635 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 93 Resp: 47119

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.1	72.2	108.2



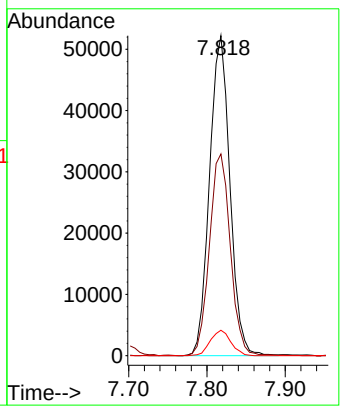


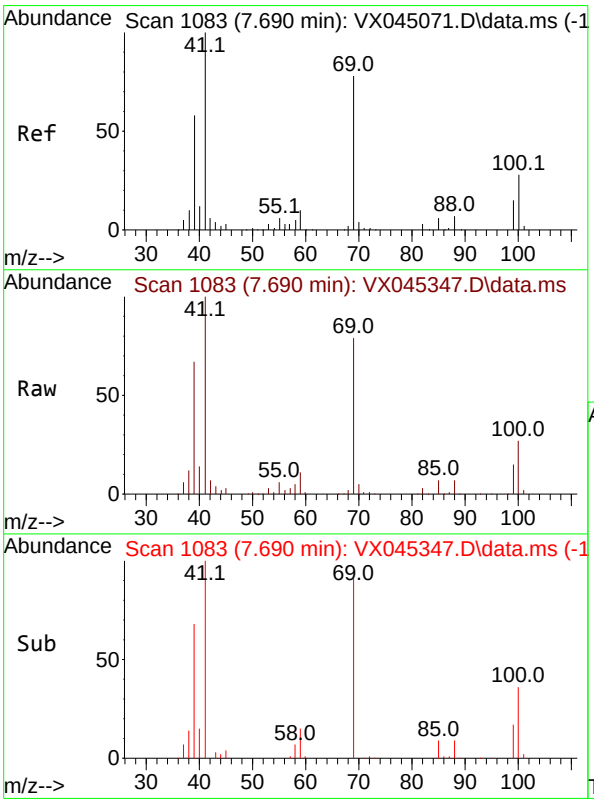
#47
Bromodichloromethane
Concen: 56.808 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94372

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.9	6.4	9.6

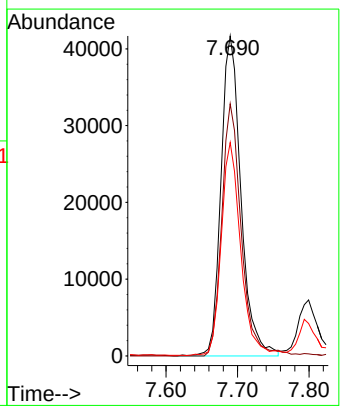


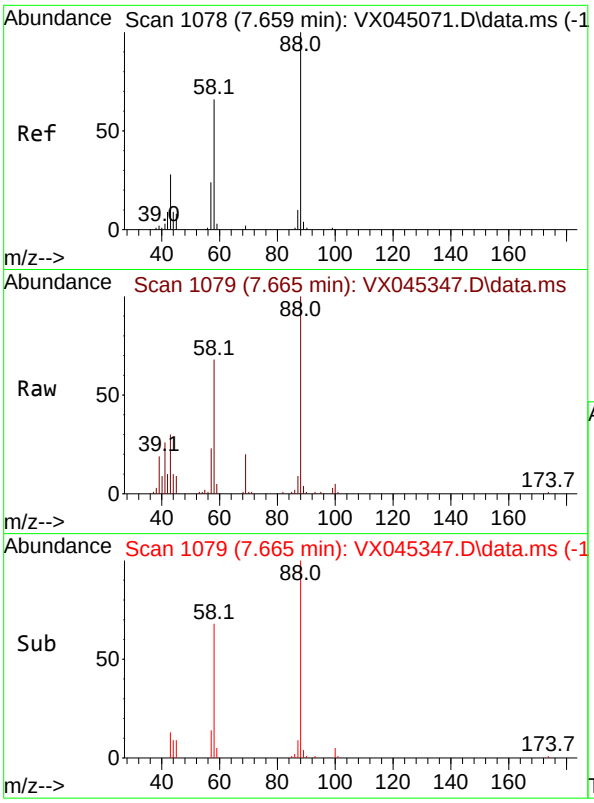


#48
Methyl methacrylate
Concen: 57.285 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 80819

Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.0	94.6
39	65.2	47.5	71.3



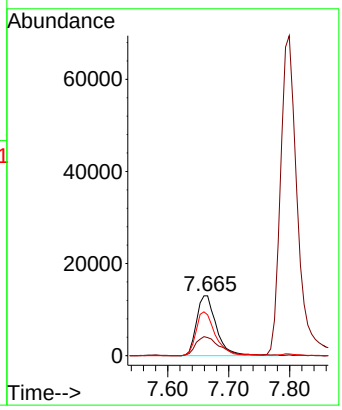


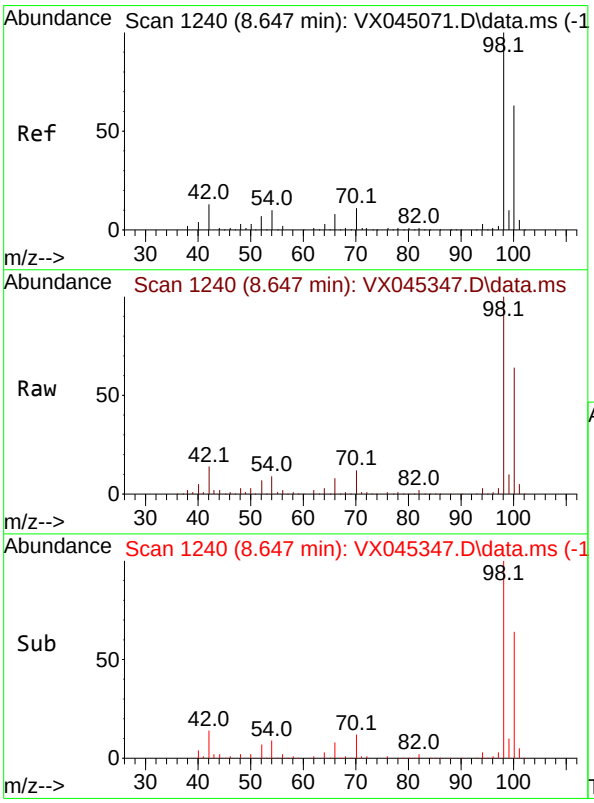
#49
1,4-Dioxane
Concen: 987.206 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29379

Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	72.0	55.8	83.8

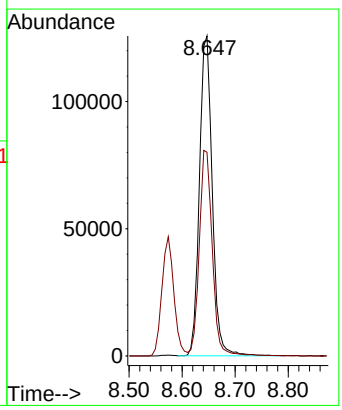


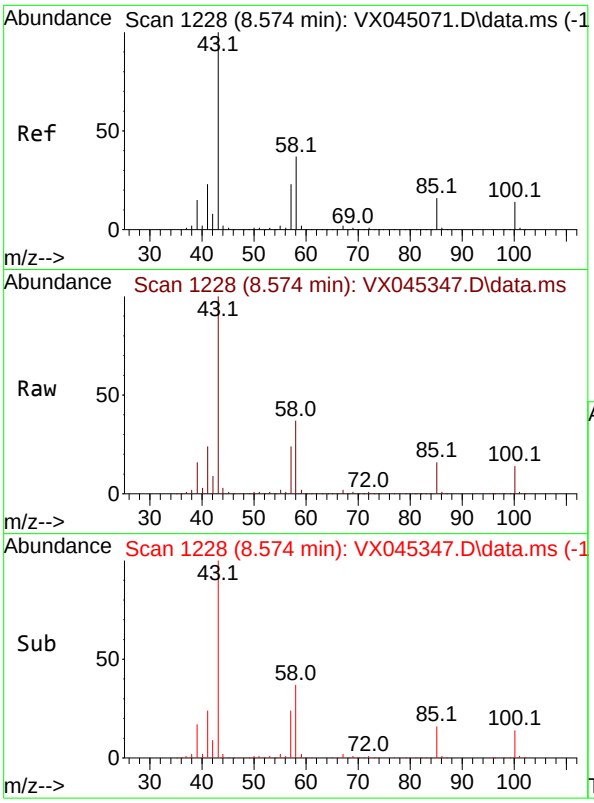


#50
Toluene-d8
Concen: 54.211 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 98 Resp: 211503

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



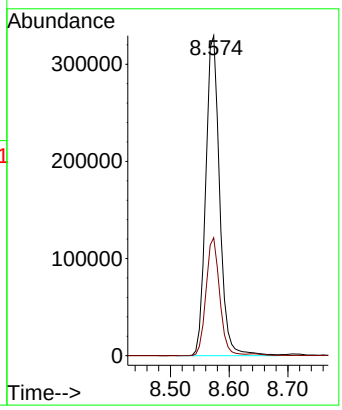


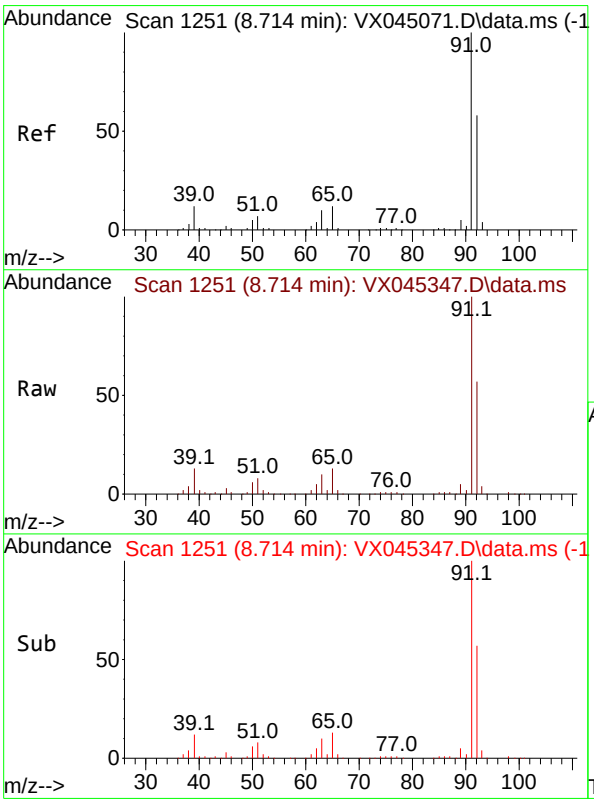
#51
4-Methyl-2-Pentanone
Concen: 286.370 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 540720

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

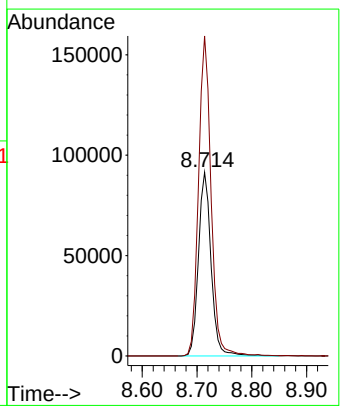


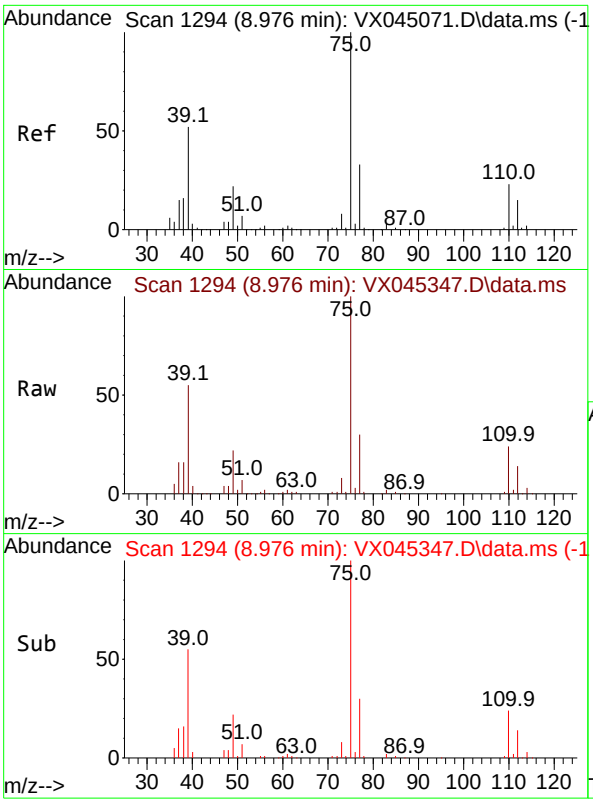


#52
Toluene
Concen: 53.547 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 92 Resp: 146417

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3



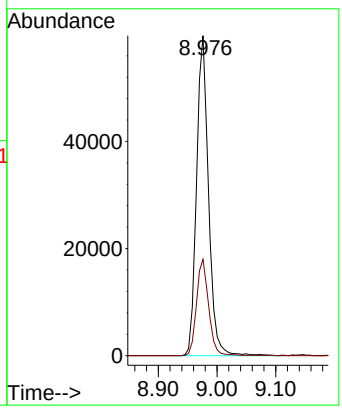


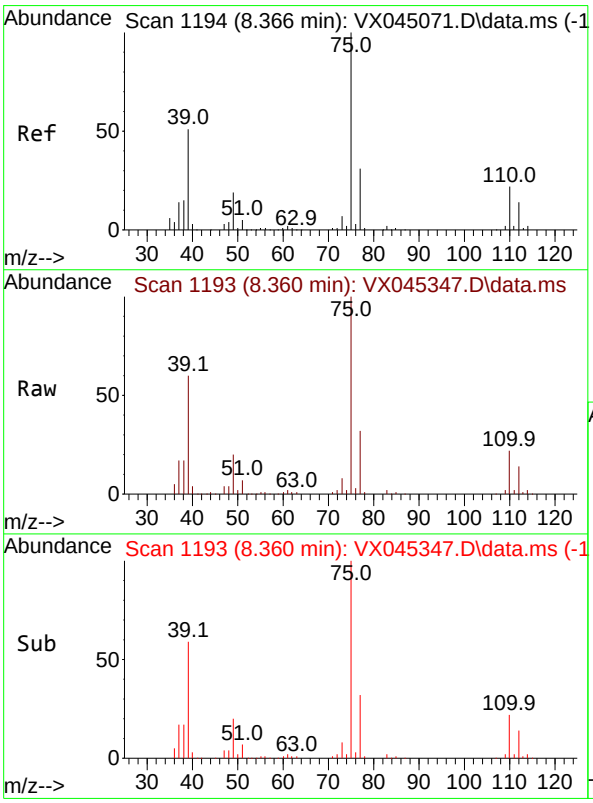
#53
t-1,3-Dichloropropene
Concen: 61.040 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 84772

Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.5	39.7

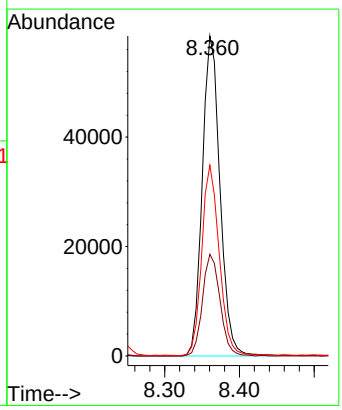


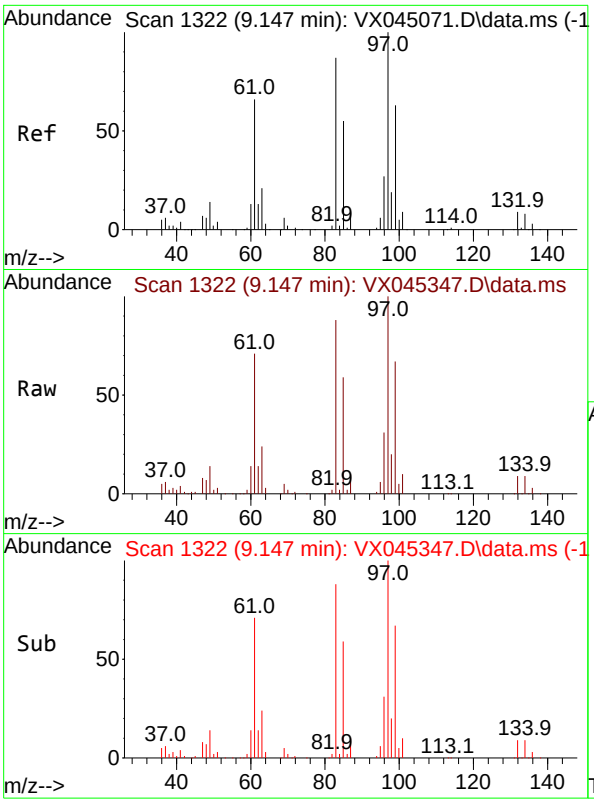


#54
cis-1,3-Dichloropropene
Concen: 59.407 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 96208

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	59.5	40.7	61.1



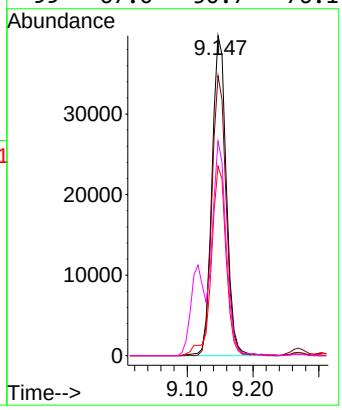


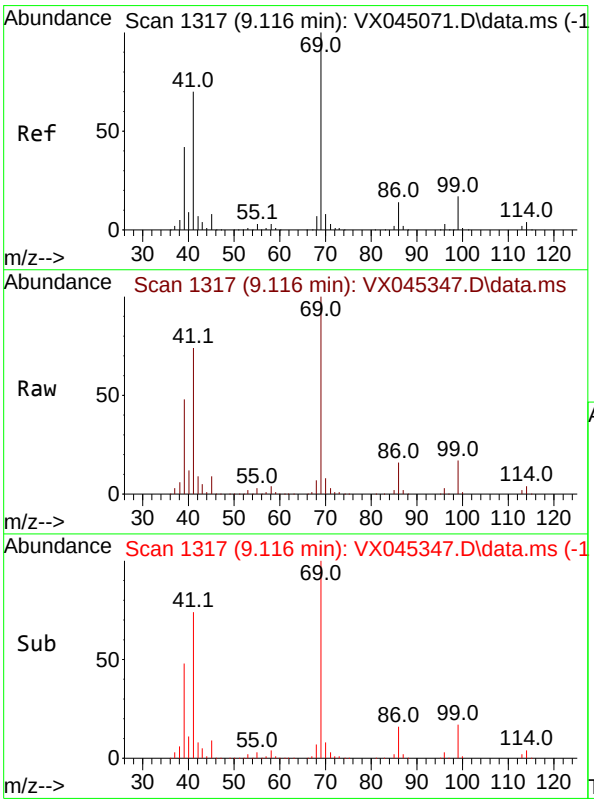
#55
1,1,2-Trichloroethane
Concen: 53.712 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 60462

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	59.2	44.1	66.1
99	67.0	50.7	76.1

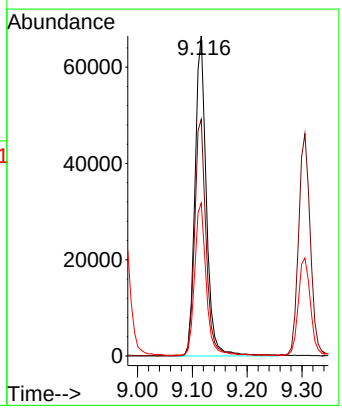


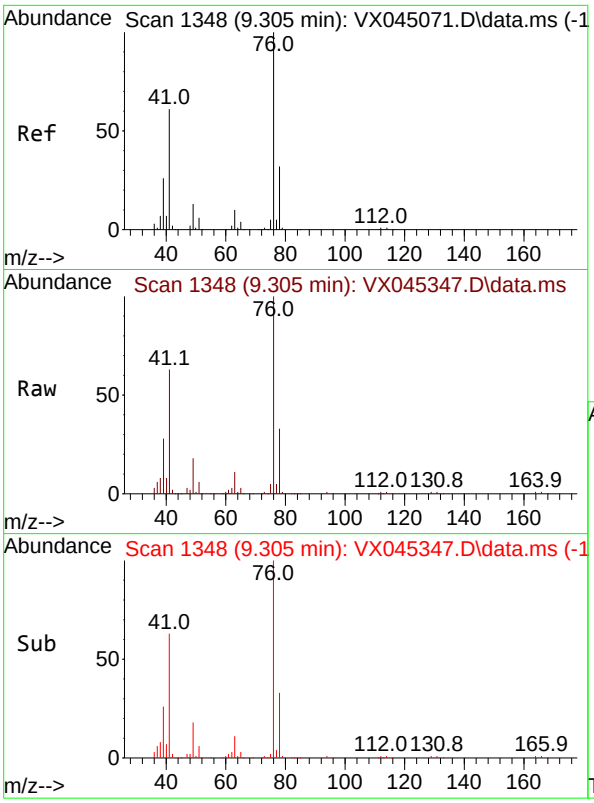


#56
Ethyl methacrylate
Concen: 56.313 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 69 Resp: 96357

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	48.2	34.2	51.4



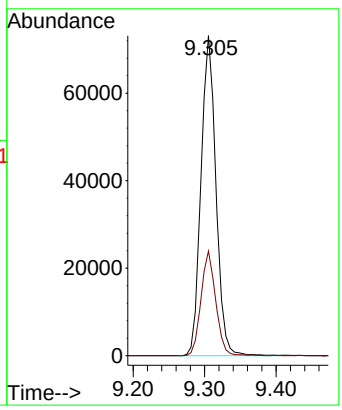


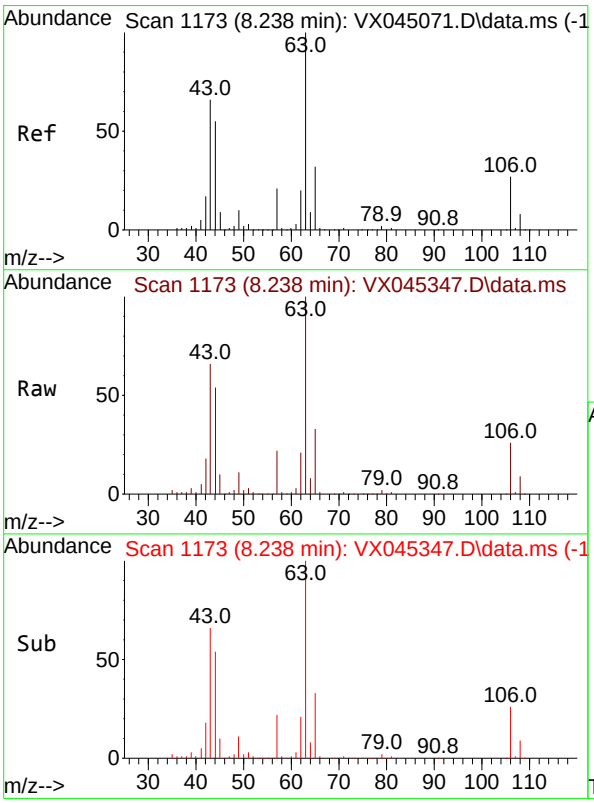
#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 106148

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

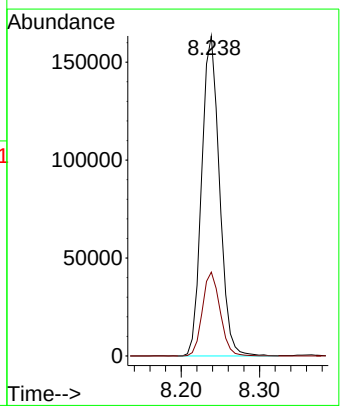


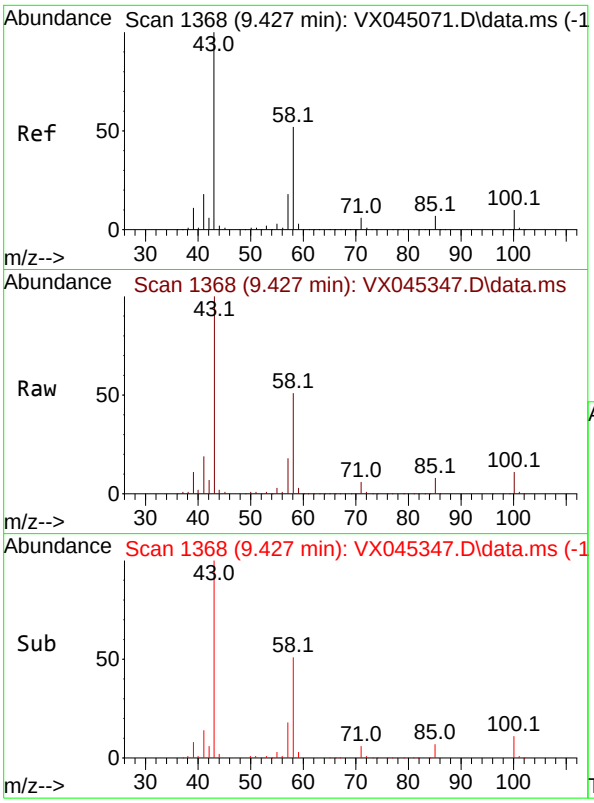


#58
2-Chloroethyl Vinyl ether
Concen: 309.131 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 258027

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3



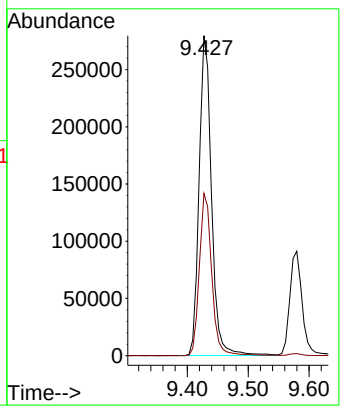


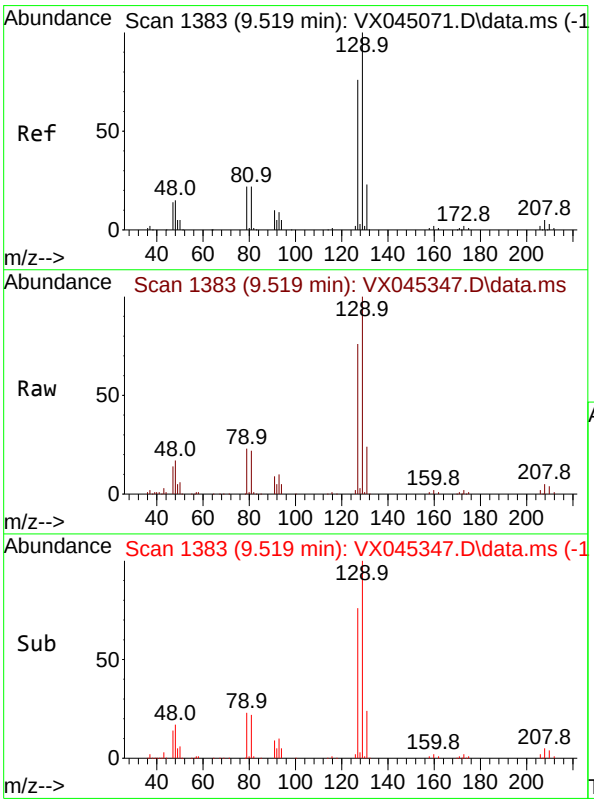
#59
2-Hexanone
Concen: 288.965 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 395325

Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6

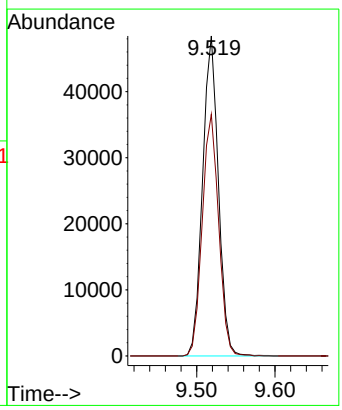


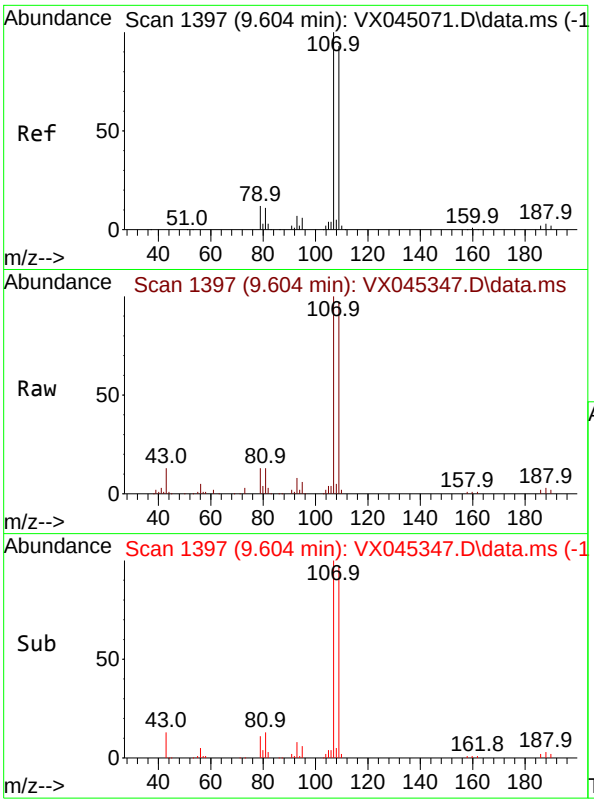


#60
Dibromochloromethane
Concen: 57.543 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:129 Resp: 67728

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5



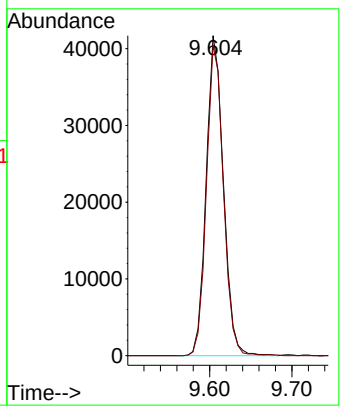


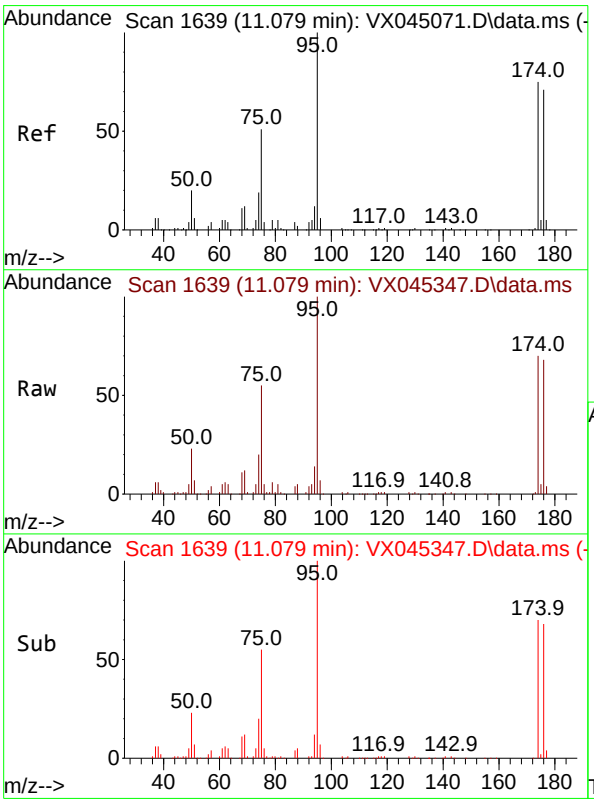
#61
1,2-Dibromoethane
Concen: 54.017 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 60702

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

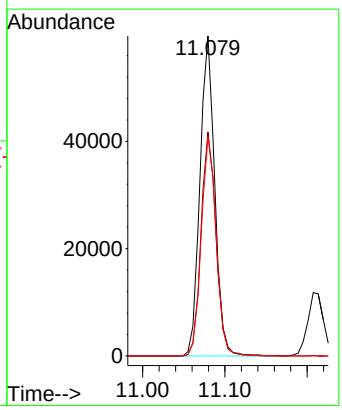


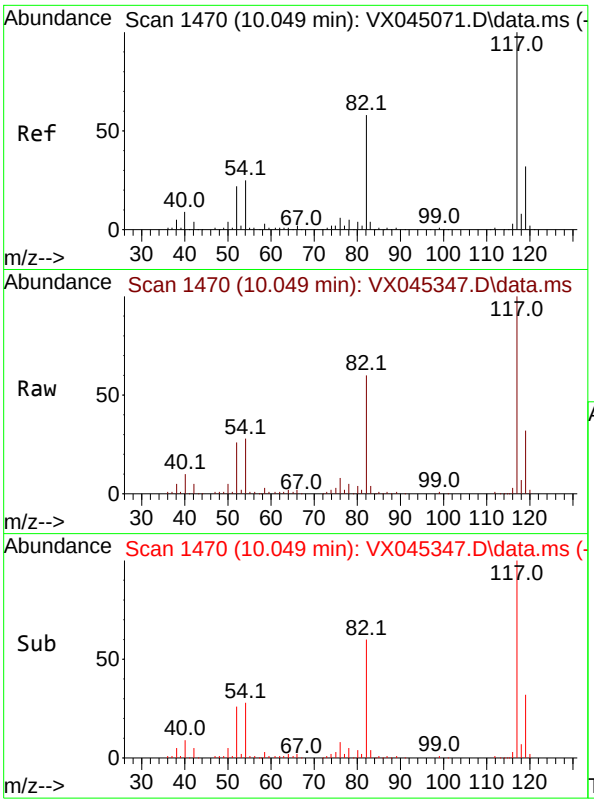


#62
4-Bromofluorobenzene
Concen: 57.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 95 Resp: 74611

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	69.0	0.0	141.4



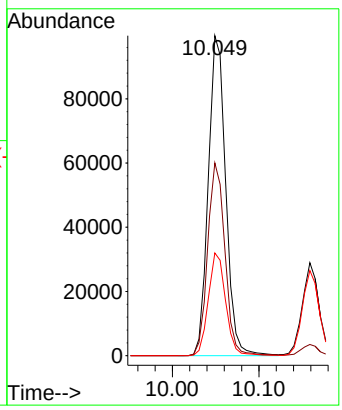


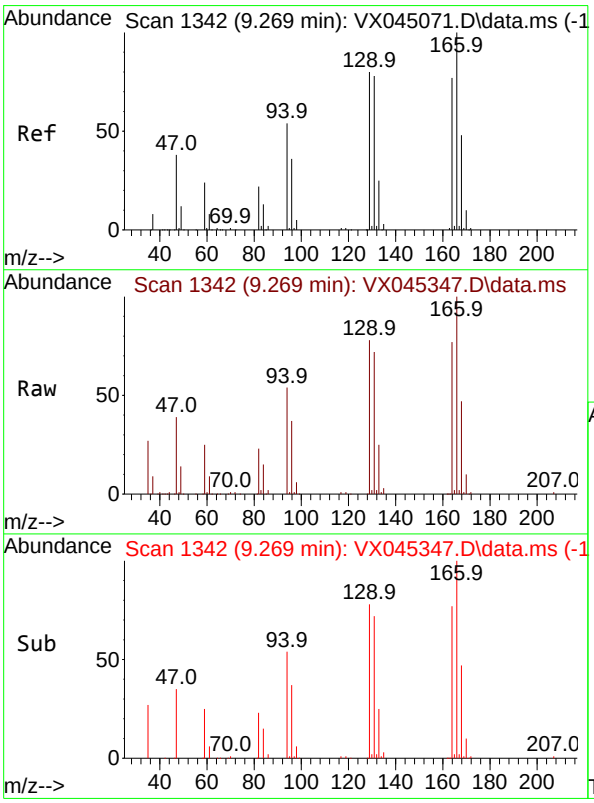
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 139446

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.1	25.7	38.5

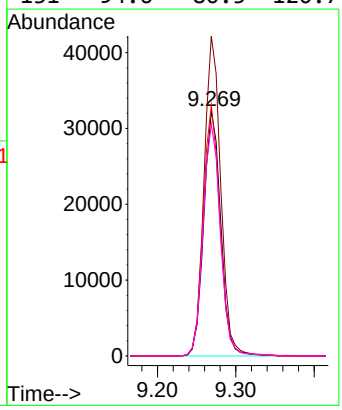


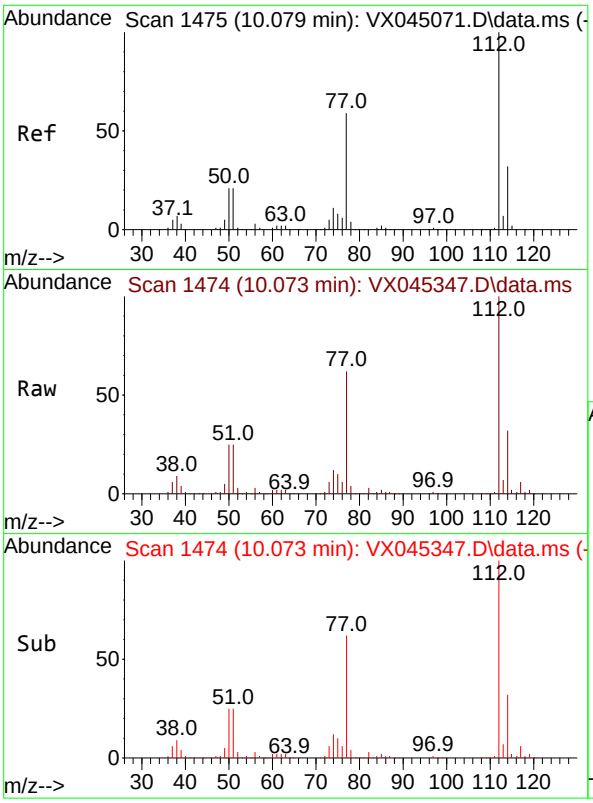


#64
Tetrachloroethene
Concen: 54.416 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:164 Resp: 48599

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.6	155.4
129	102.5	82.7	124.1
131	94.6	80.5	120.7



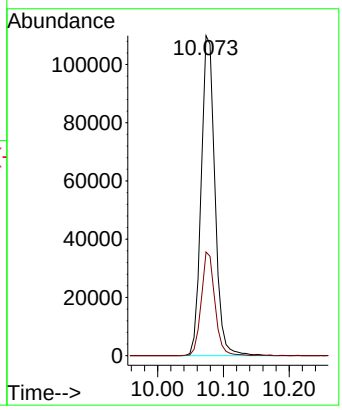


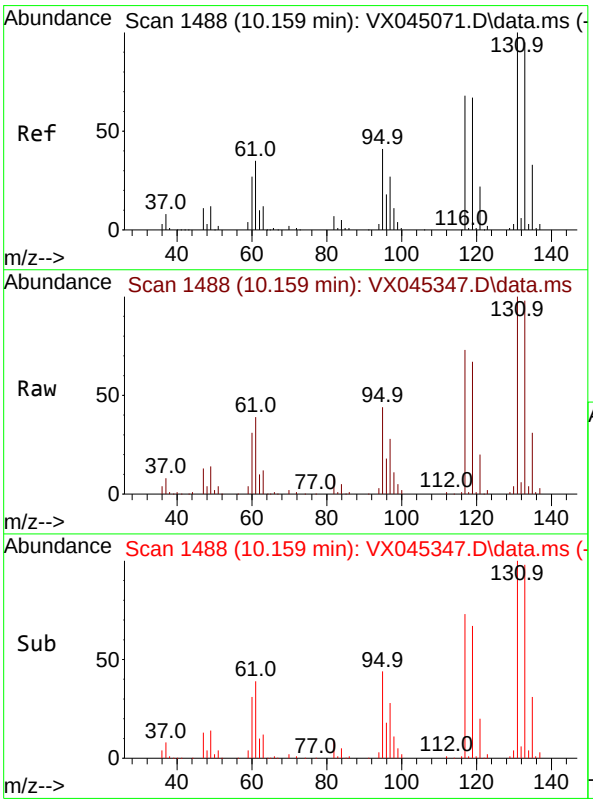
#65
Chlorobenzene
Concen: 54.144 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 159759

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

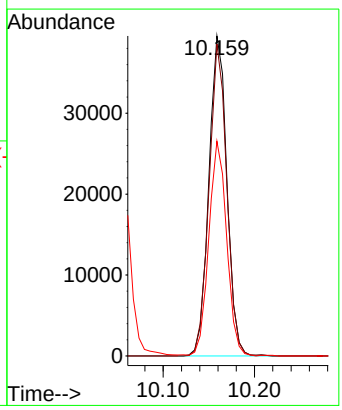


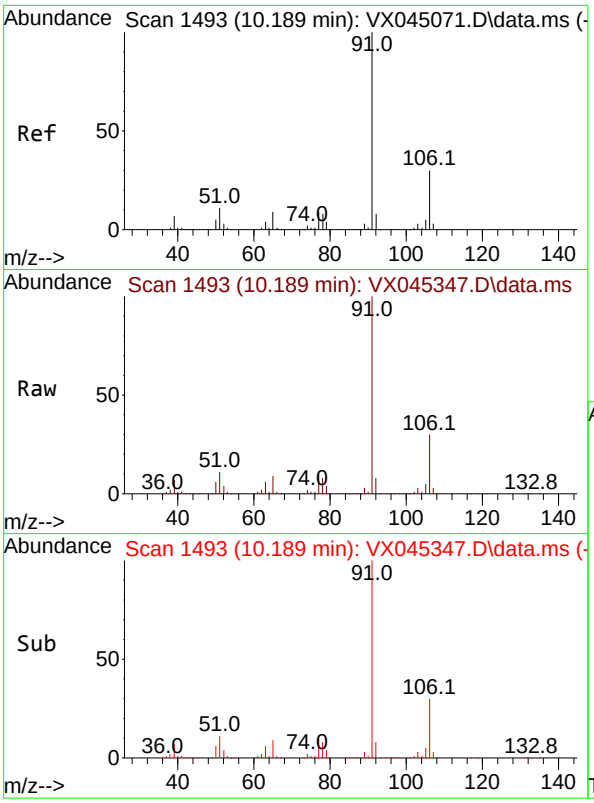


#66
1,1,1,2-Tetrachloroethane
Concen: 54.992 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:131 Resp: 54037

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	66.6	33.9	101.7



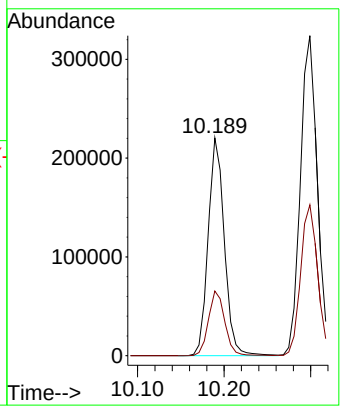


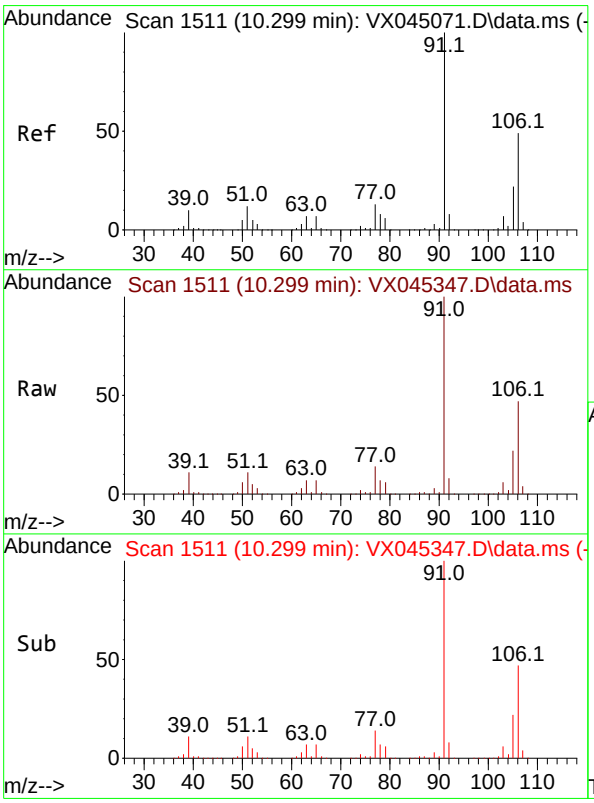
#67
Ethyl Benzene
Concen: 55.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 286365

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

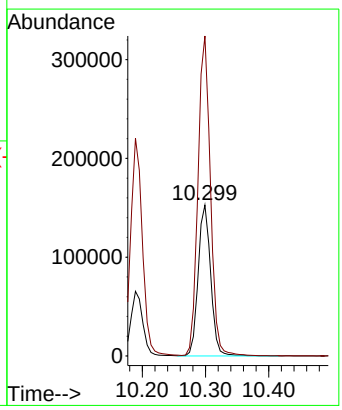


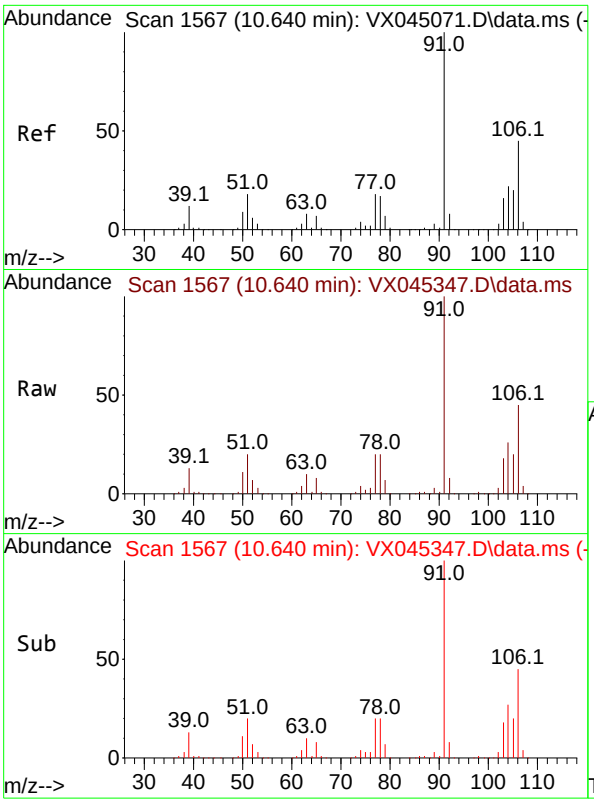


#68
m/p-Xylenes
Concen: 112.126 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:106 Resp: 211033

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.4	248.0



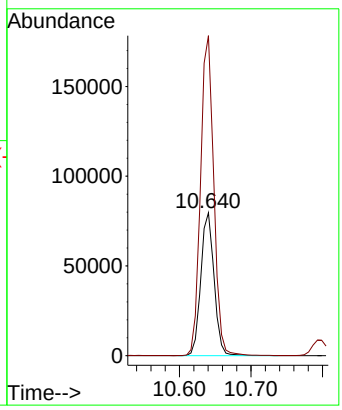


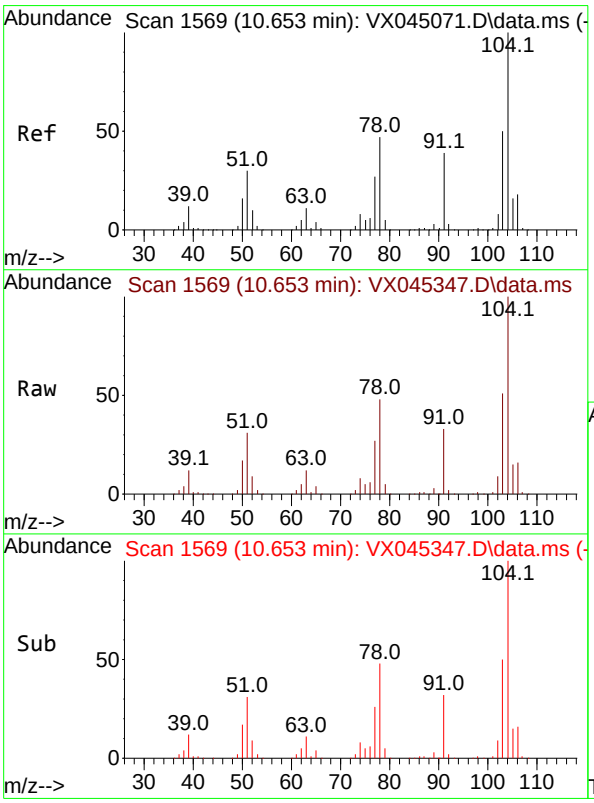
#69
o-Xylene
Concen: 54.073 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 102643

Ion	Ratio	Lower	Upper
106	100		
91	224.0	109.9	329.6

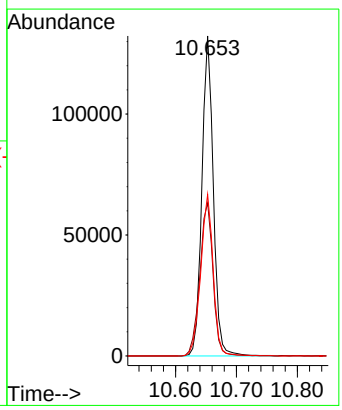


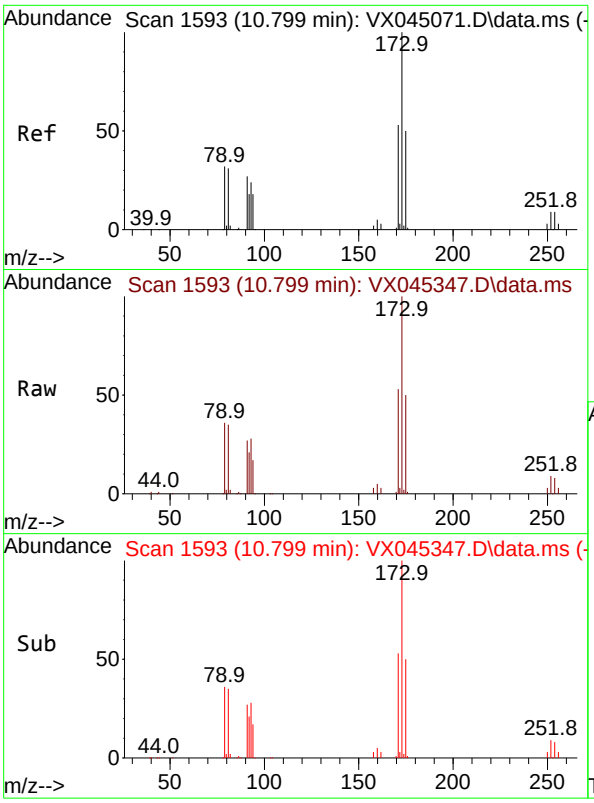


#70
Styrene
Concen: 56.462 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:104 Resp: 173421

Ion	Ratio	Lower	Upper
104	100		
78	55.3	42.2	63.4
103	55.3	43.8	65.8



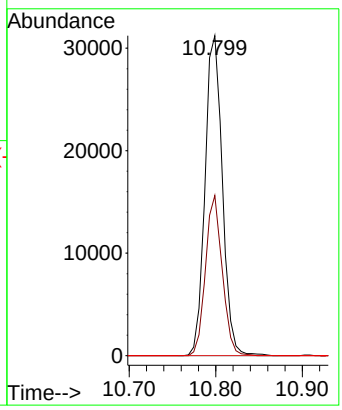


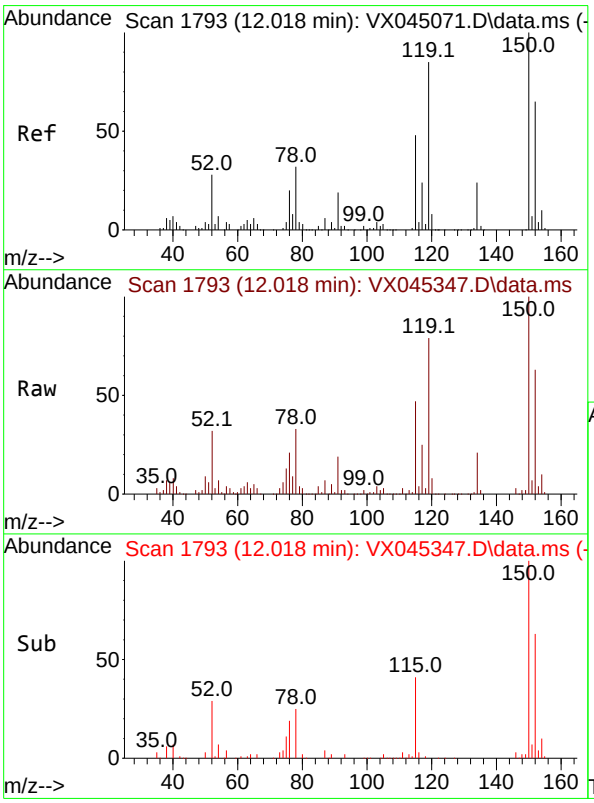
#71
Bromoform
Concen: 58.610 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43429

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

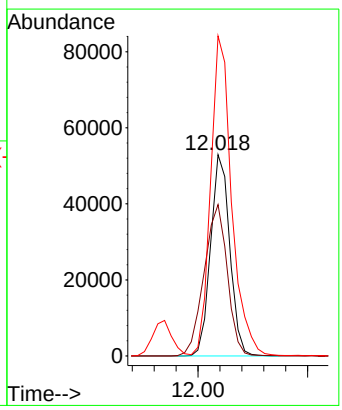


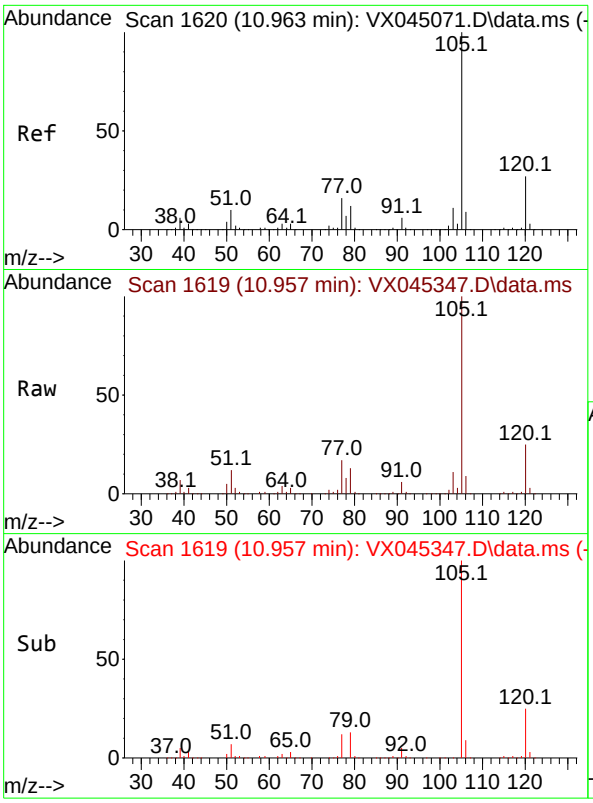


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:152 Resp: 64140

Ion	Ratio	Lower	Upper
152	100		
115	91.4	44.2	132.6
150	174.8	0.0	349.0



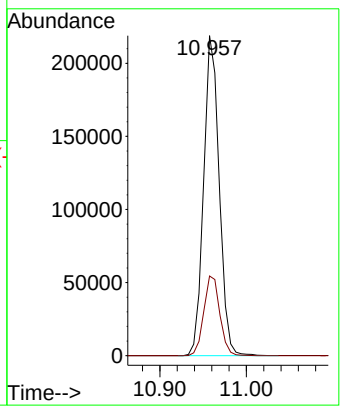


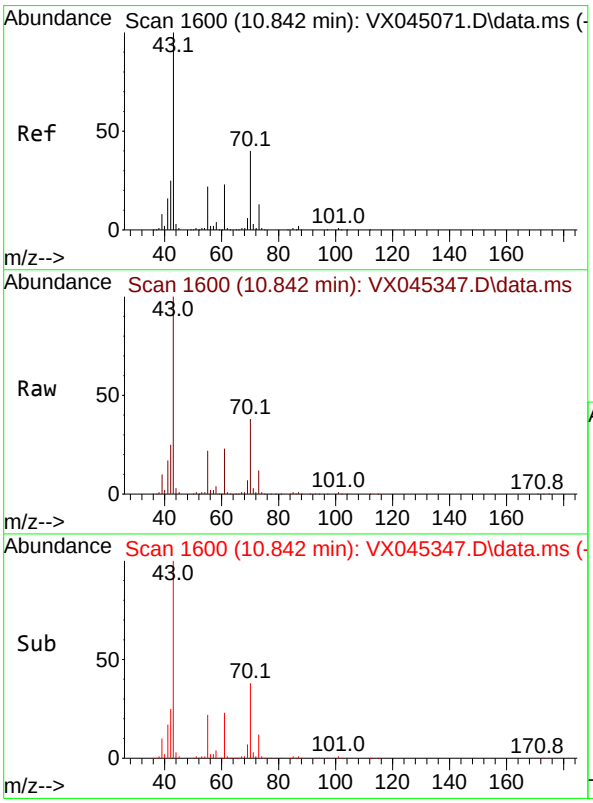
#73
Isopropylbenzene
Concen: 54.526 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 272973

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

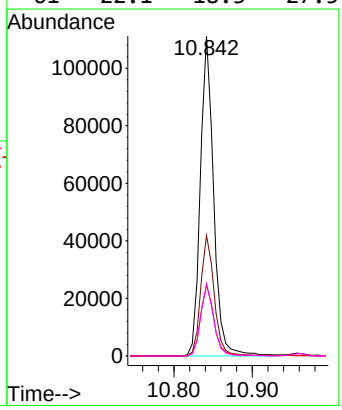


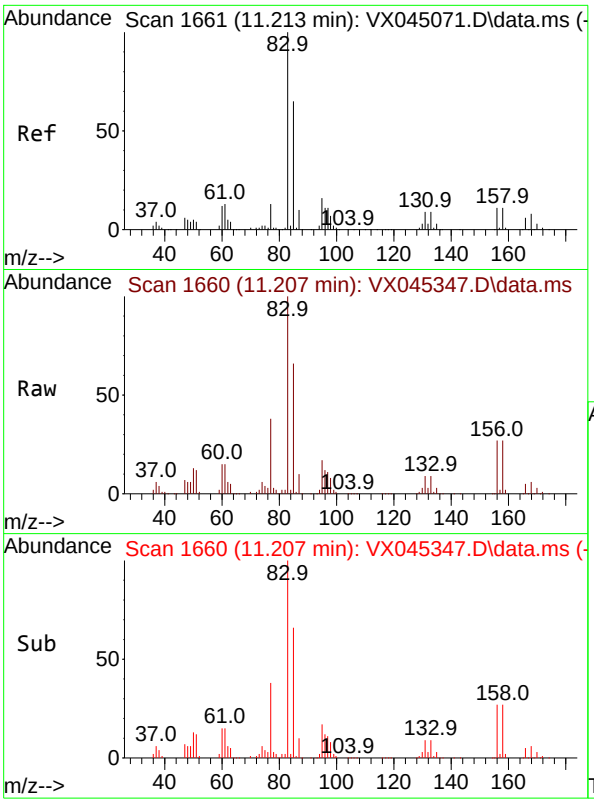


#74
N-amyl acetate
Concen: 55.907 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 131333

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	22.7	18.3	27.5
61	22.1	18.3	27.5



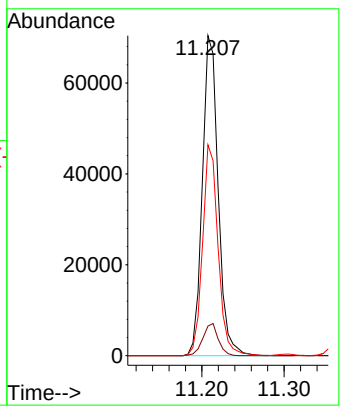


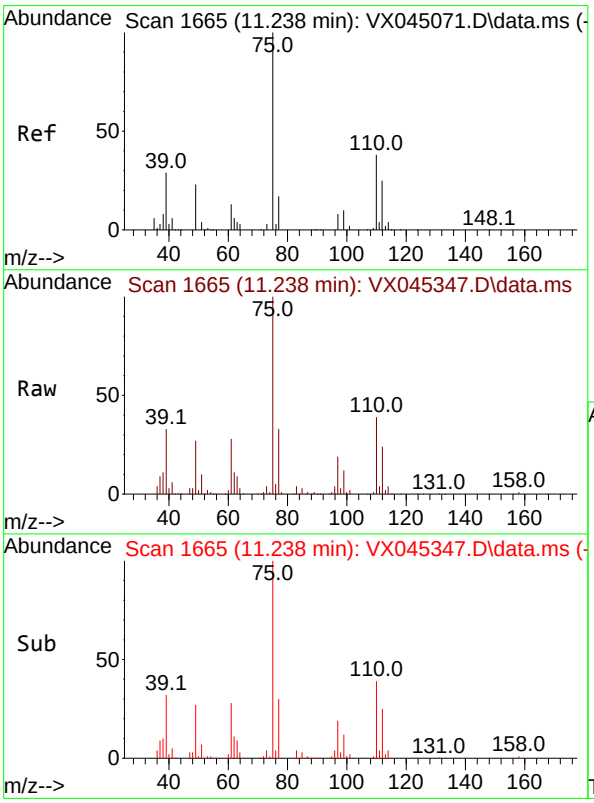
#75
1,1,2,2-Tetrachloroethane
Concen: 51.164 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 93995

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.6	31.7	95.1

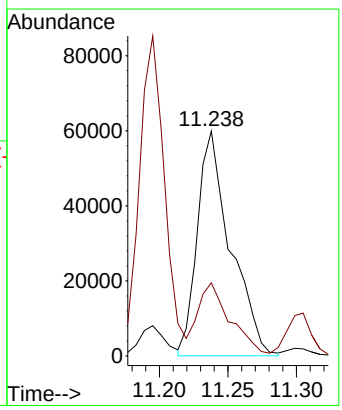


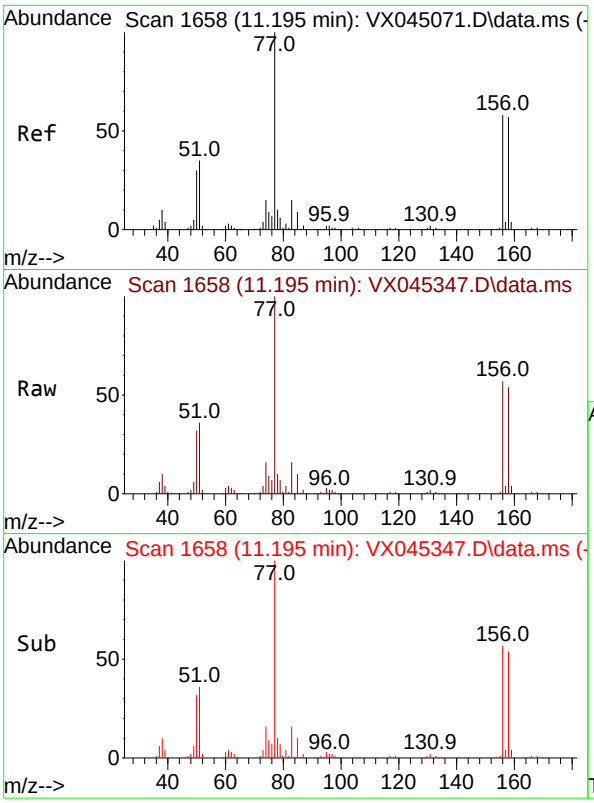


#76
1,2,3-Trichloropropane
Concen: 67.712 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 101085

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.7	62.1



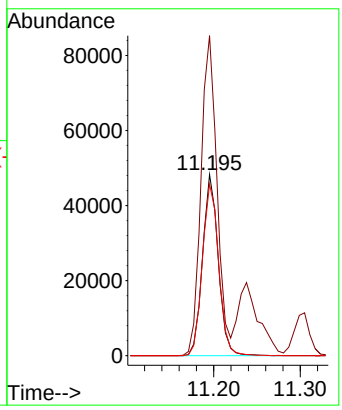


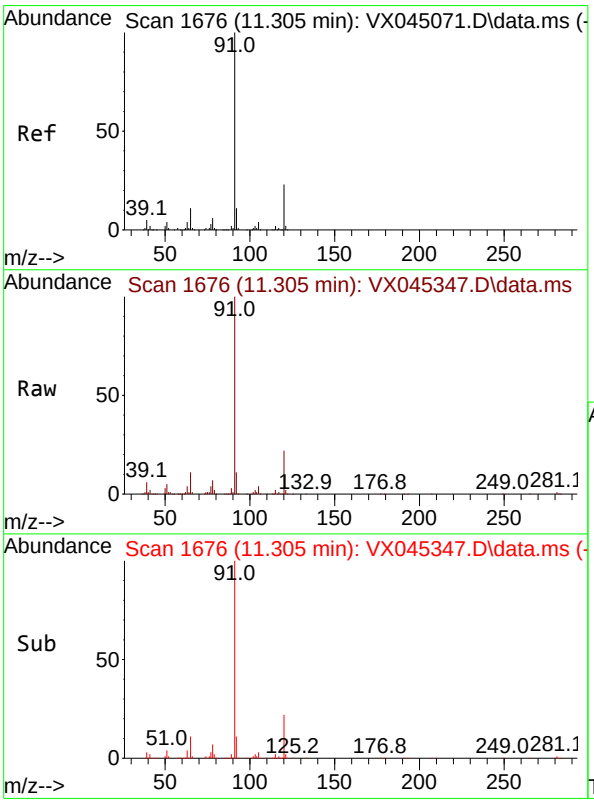
#77
Bromobenzene
Concen: 51.283 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 60575

Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	98.5	48.4	145.2

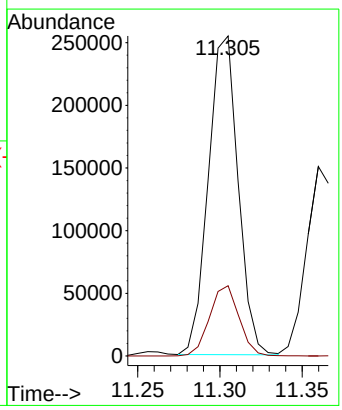


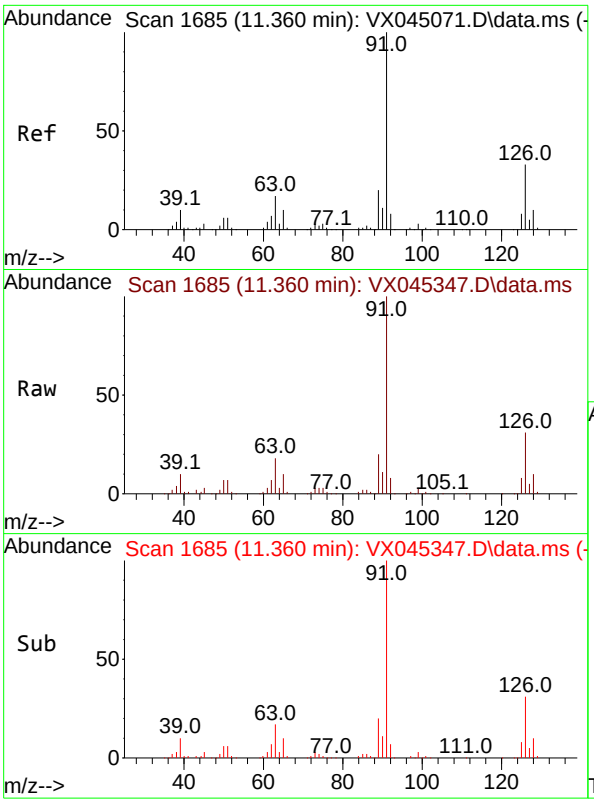


#78
n-propylbenzene
Concen: 56.710 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 320714

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



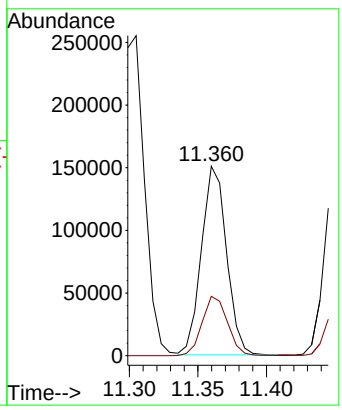


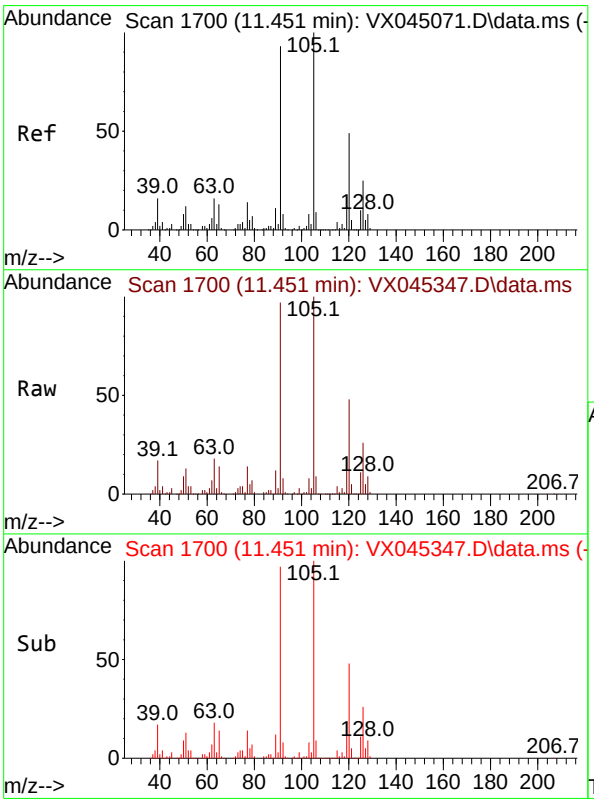
#79
2-Chlorotoluene
Concen: 53.424 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 192413

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4

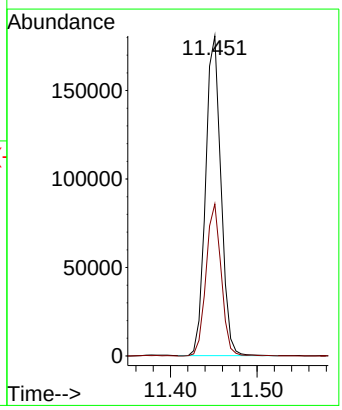


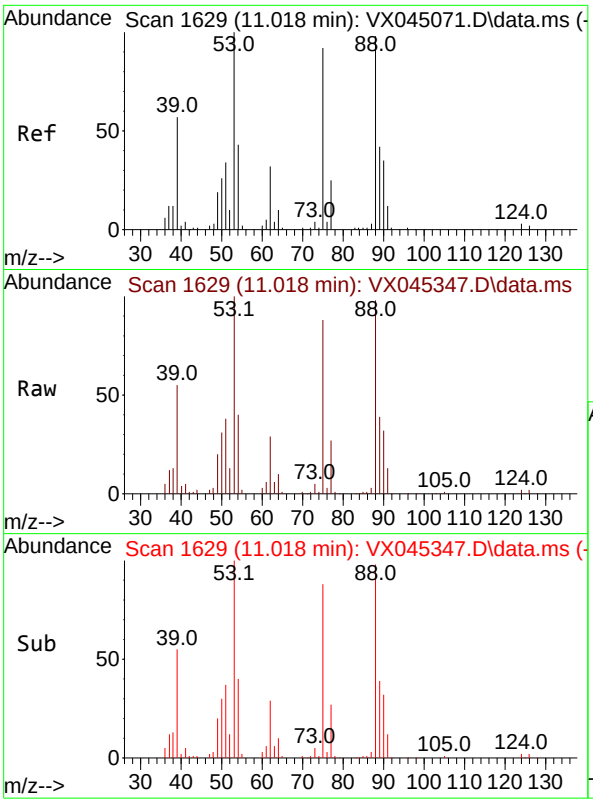


#80
1,3,5-Trimethylbenzene
Concen: 55.029 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 222755

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



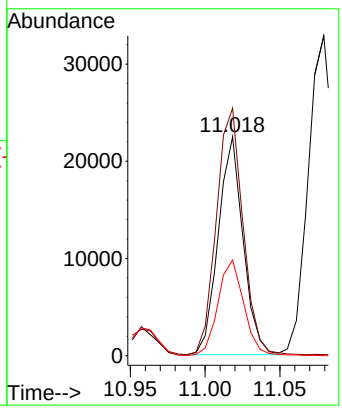


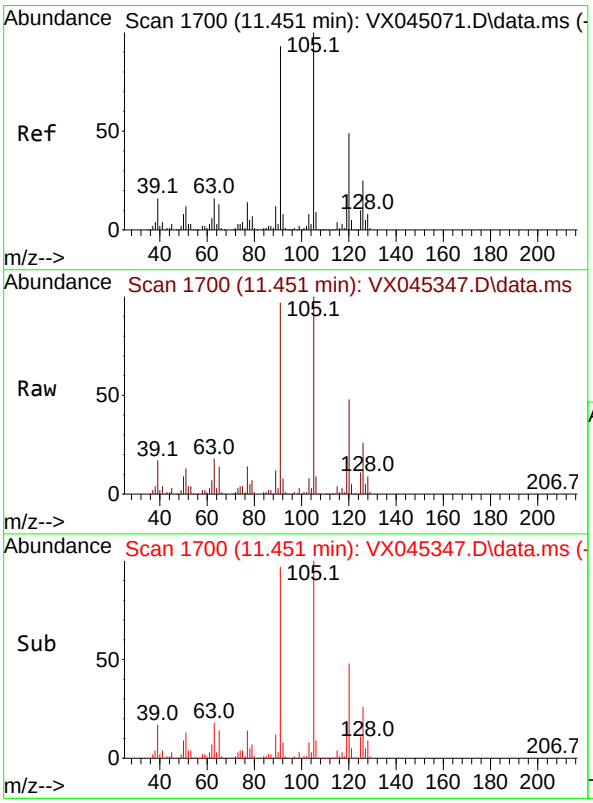
#81
trans-1,4-Dichloro-2-butene
Concen: 59.413 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 25918

Ion	Ratio	Lower	Upper
75	100		
53	122.1	88.5	132.7
89	45.9	36.2	54.4

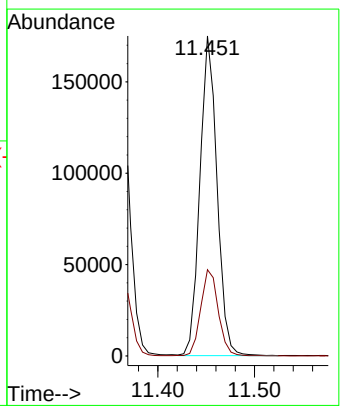


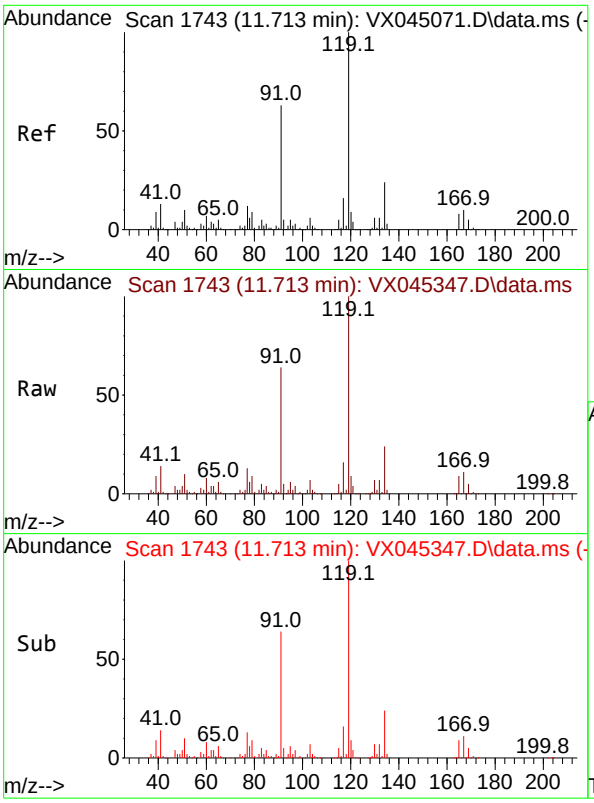


#82
4-Chlorotoluene
Concen: 54.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 215413

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



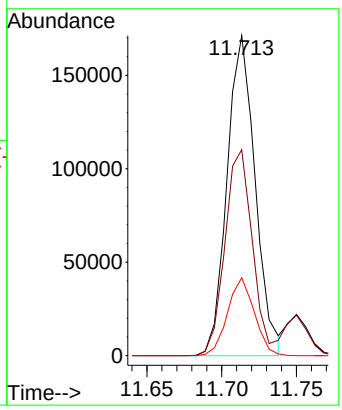


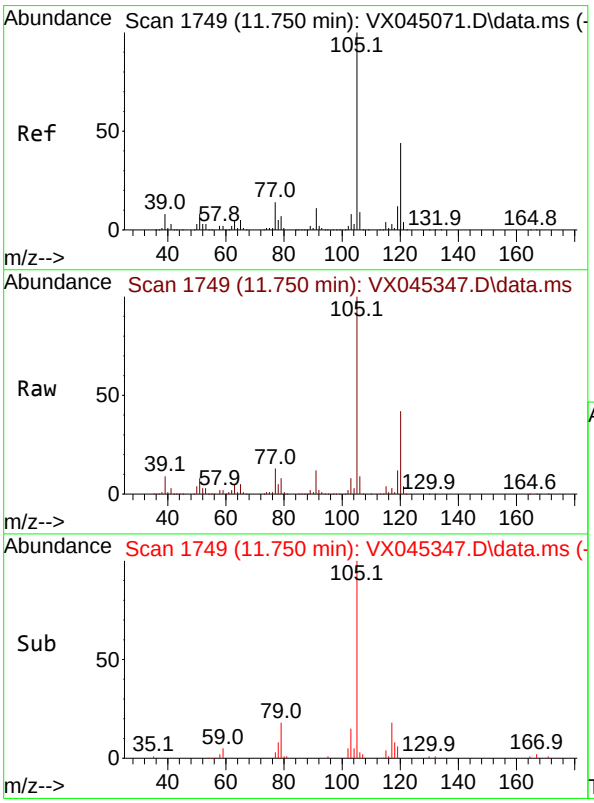
#83
tert-Butylbenzene
Concen: 53.959 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 224427

Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	23.2	11.7	35.0

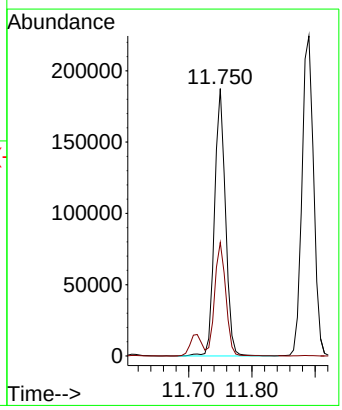


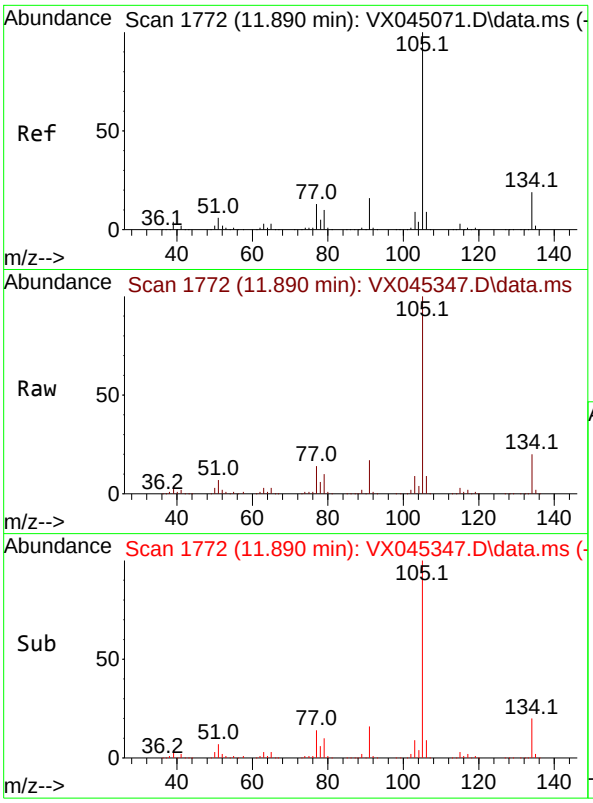


#84
1,2,4-Trimethylbenzene
Concen: 55.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 224842

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1



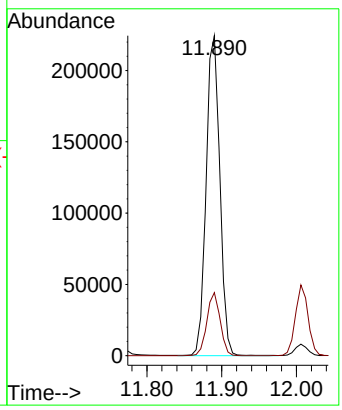


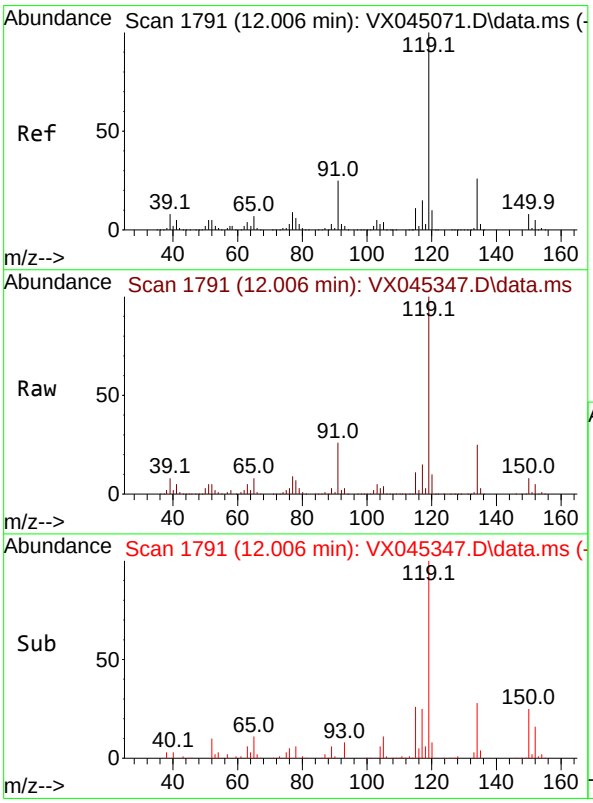
#85
sec-Butylbenzene
Concen: 57.320 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 285577

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

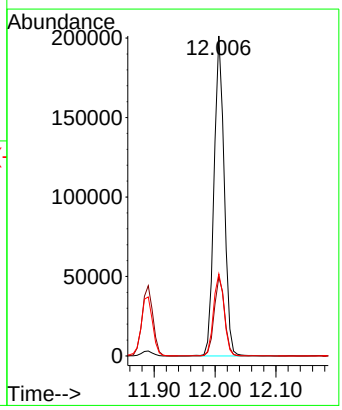


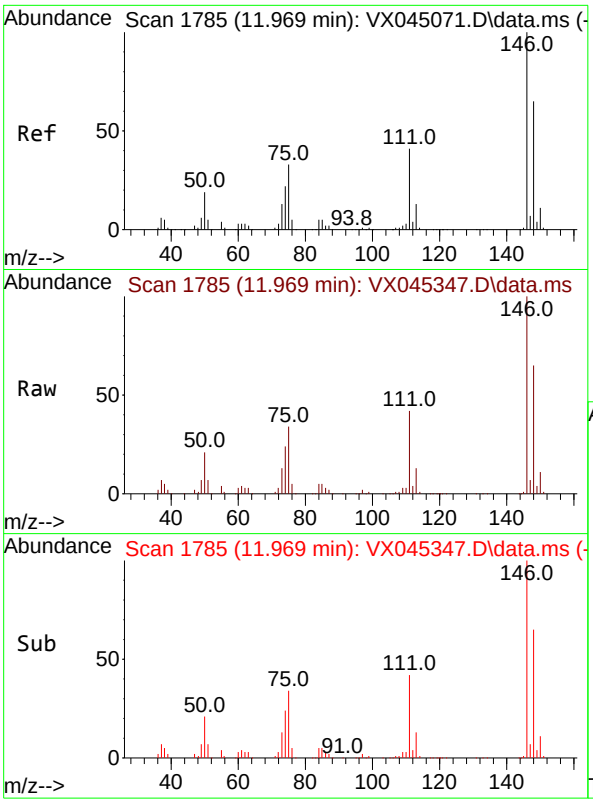


#86
p-Isopropyltoluene
Concen: 57.707 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 232345

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.7	12.7	38.0



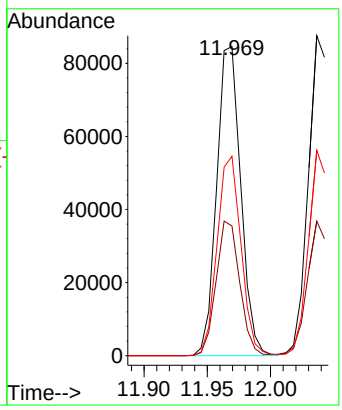


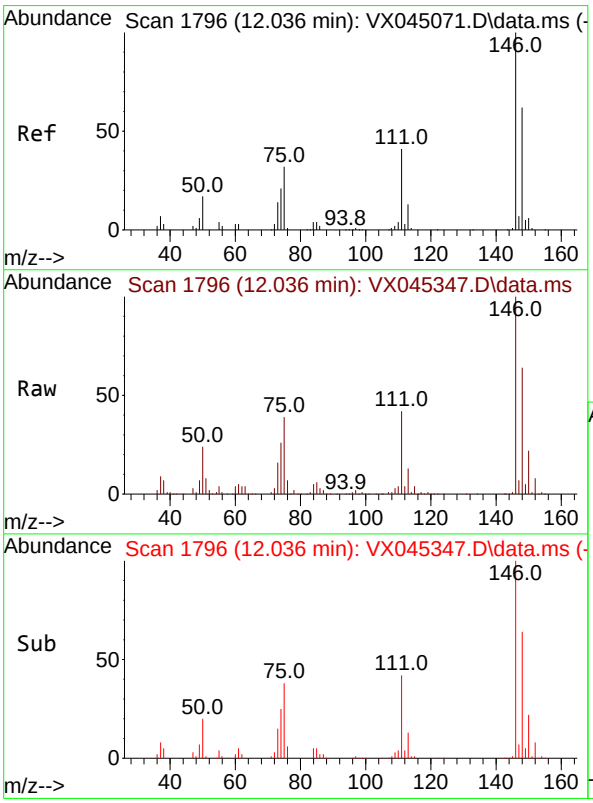
#87
1,3-Dichlorobenzene
Concen: 53.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112042

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.1	31.9	95.7

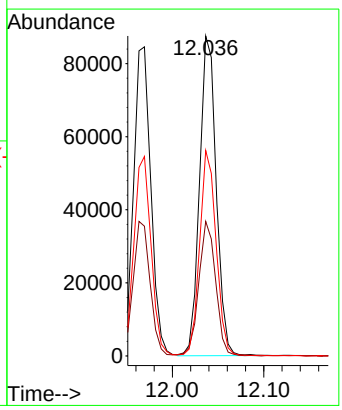


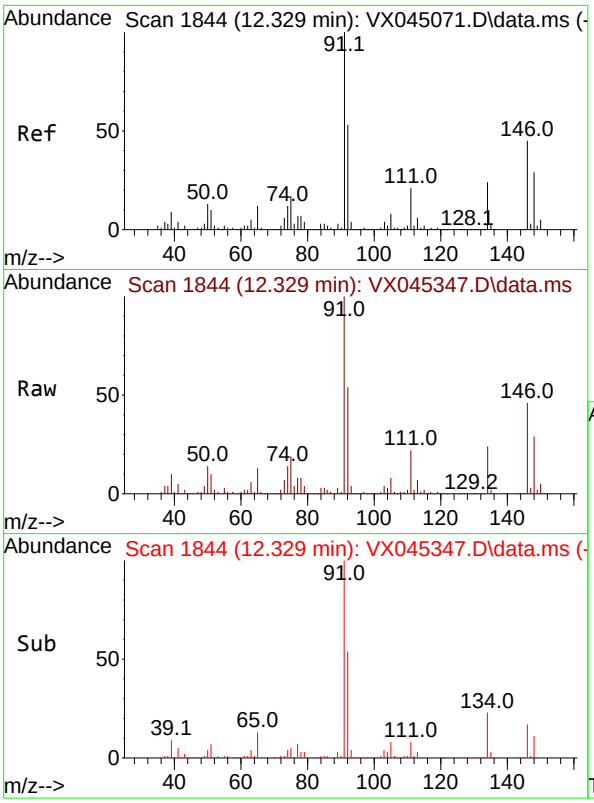


#88
1,4-Dichlorobenzene
Concen: 51.865 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 110569

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.5
148	63.6	31.9	95.9



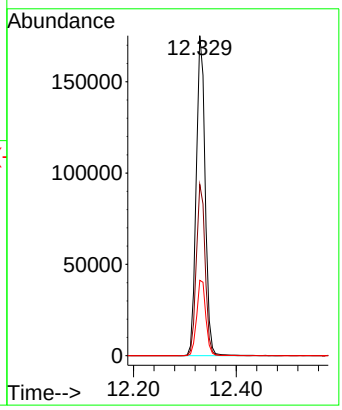


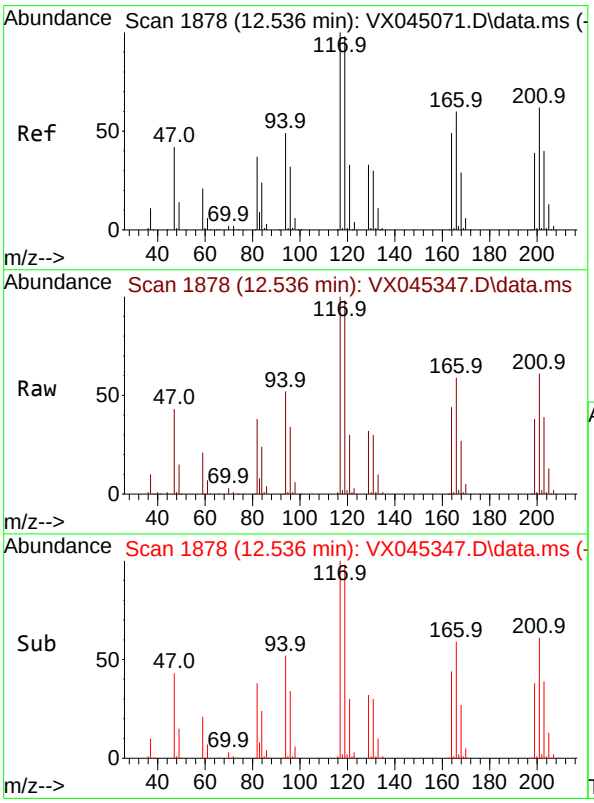
#89
n-Butylbenzene
Concen: 61.041 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 211674

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6

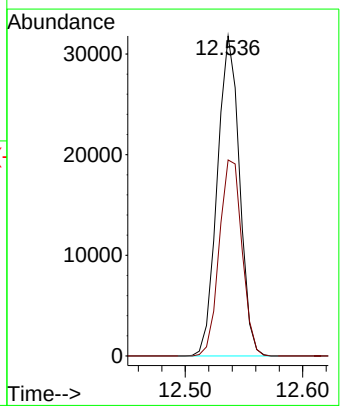


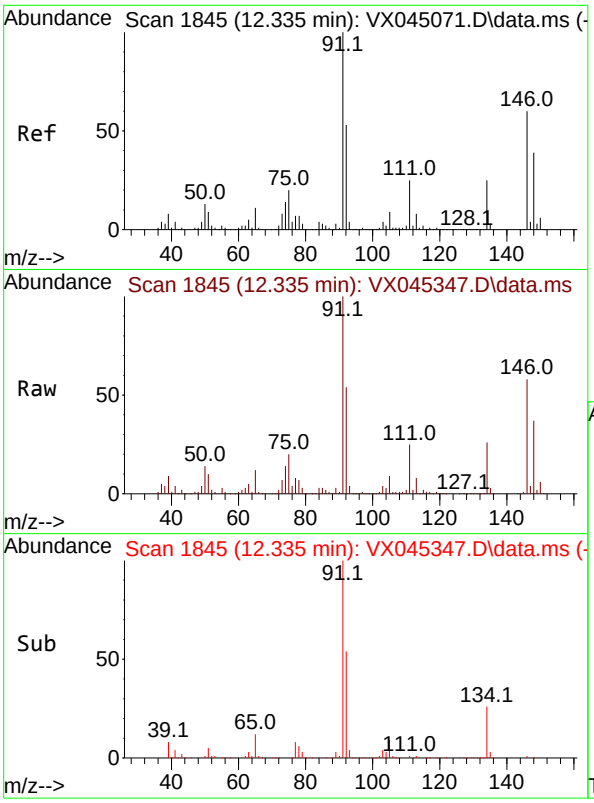


#90
Hexachloroethane
Concen: 57.380 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 41788

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9



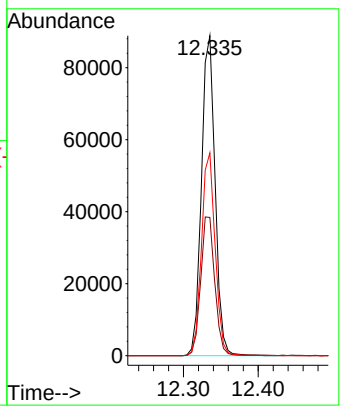


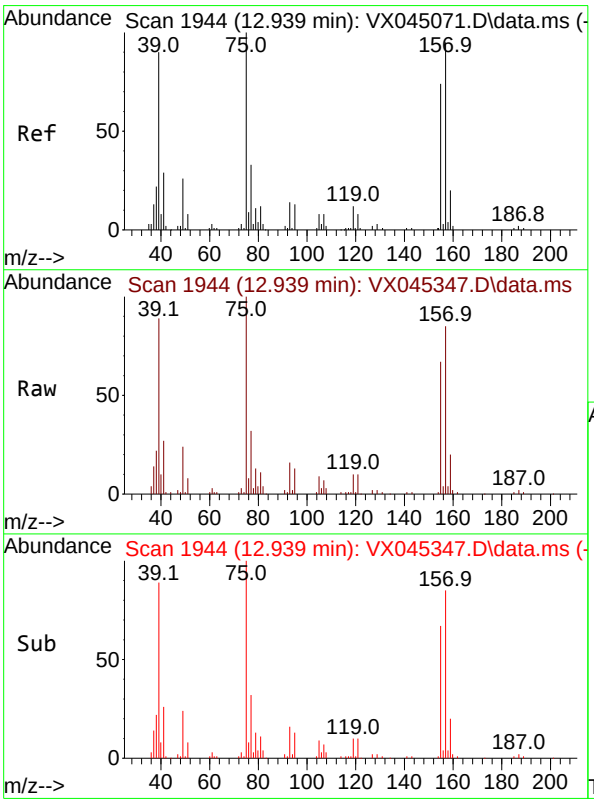
#91
1,2-Dichlorobenzene
Concen: 53.282 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112628

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.3	31.9	95.9

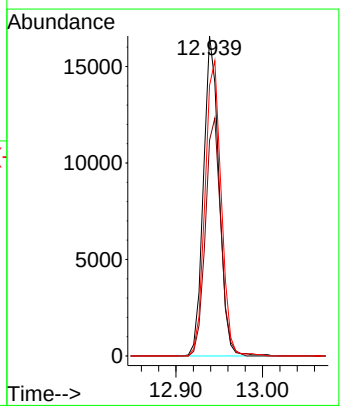


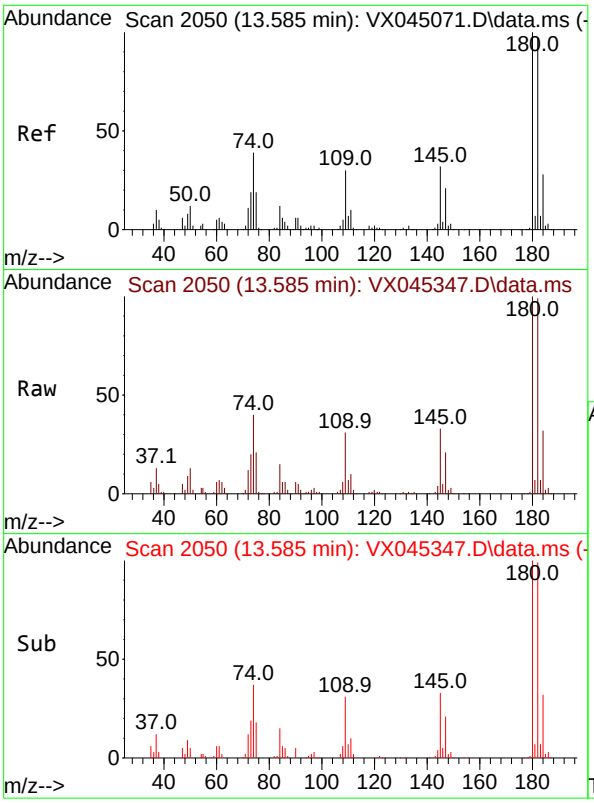


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.585 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.6	118.7
157	96.4	51.1	153.4



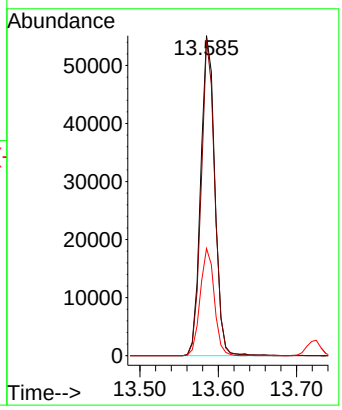


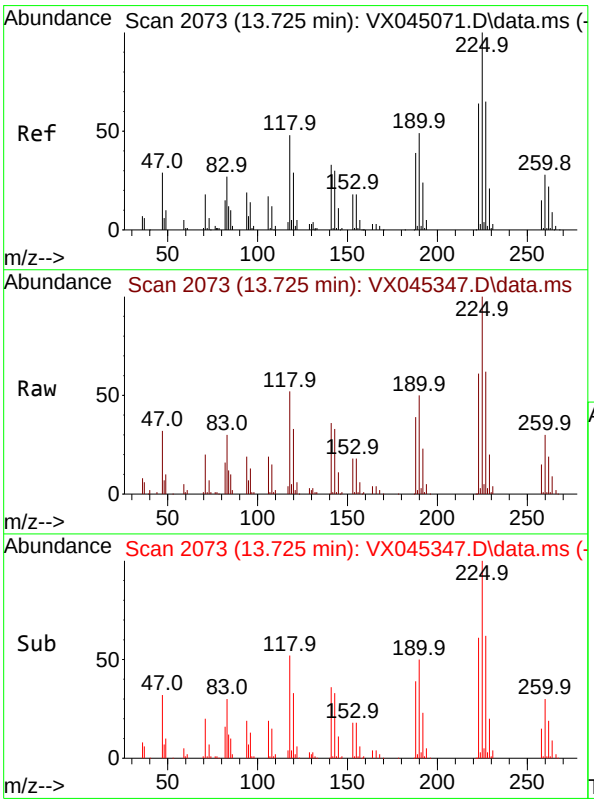
#93
1,2,4-Trichlorobenzene
Concen: 57.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 68746

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.4	16.3	48.9

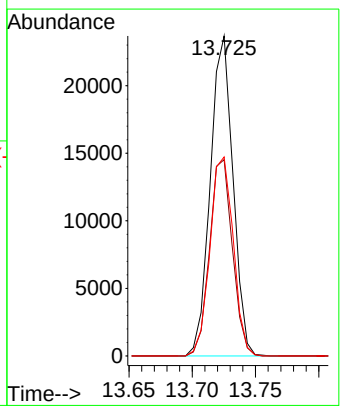


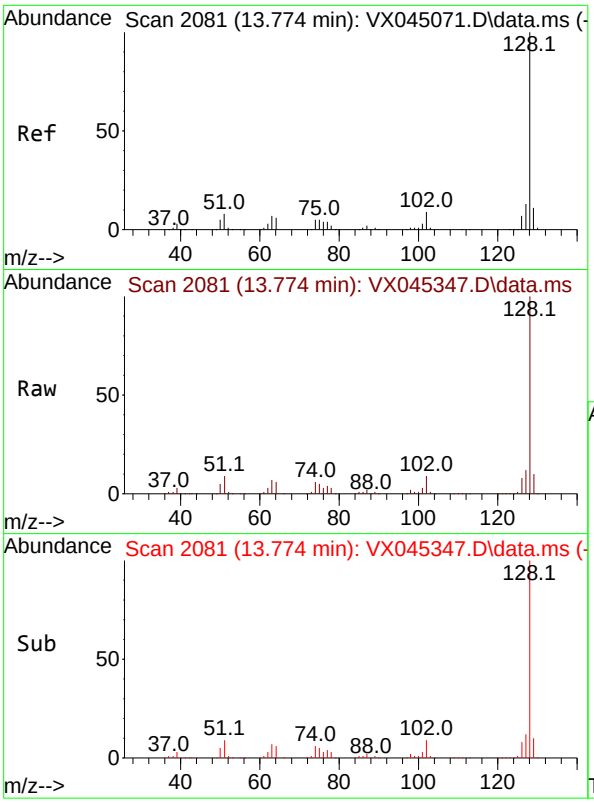


#94
Hexachlorobutadiene
Concen: 59.832 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:225 Resp: 29525

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	63.8	31.4	94.0



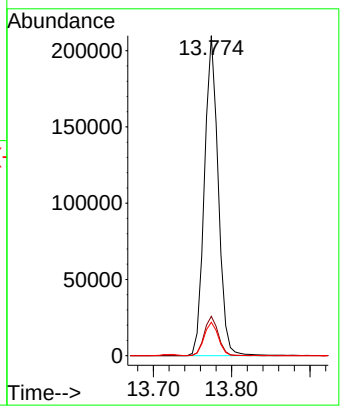


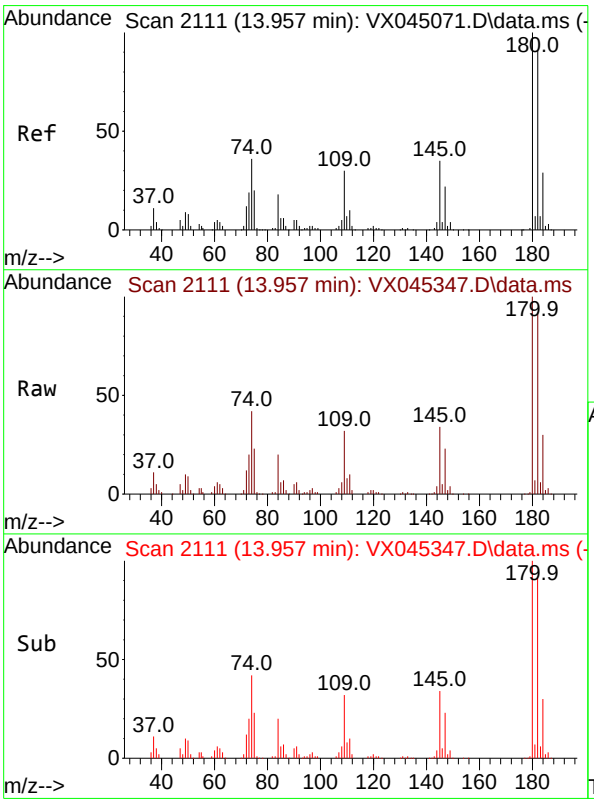
#95
Naphthalene
Concen: 55.368 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 256043

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

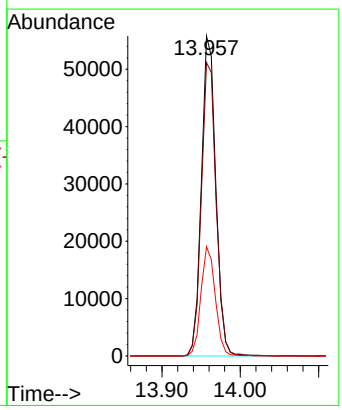




#96
1,2,3-Trichlorobenzene
Concen: 55.945 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 71037

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	94337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84826	56.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	5.379	113	61688	54.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	8.647	98	217551	53.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	11.079	95	75333	55.661	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21766	18.330	ug/l	96
3) Chloromethane	1.307	50	24700	16.997	ug/l	99
4) Vinyl Chloride	1.374	62	23778	16.494	ug/l	99
5) Bromomethane	1.593	94	10806	19.068	ug/l	97
6) Chloroethane	1.666	64	13543	20.367	ug/l	96
7) Trichlorofluoromethane	1.874	101	36454	19.102	ug/l	98
8) Diethyl Ether	2.130	74	12684	16.992	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23673	21.591	ug/l	98
10) Methyl Iodide	2.441	142	26414	19.277	ug/l	96
11) Tert butyl alcohol	2.983	59	23416	82.384	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21823	18.826	ug/l	94
13) Acrolein	2.233	56	17293	52.632	ug/l	97
14) Allyl chloride	2.654	41	41884	20.298	ug/l	96
15) Acrylonitrile	3.062	53	80049	105.082	ug/l	99
16) Acetone	2.386	43	71160	102.209	ug/l	98
17) Carbon Disulfide	2.502	76	46834	15.169	ug/l	98
18) Methyl Acetate	2.703	43	44122	26.343	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	79261	20.380	ug/l	96
20) Methylene Chloride	2.782	84	26965	19.552	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21732	18.976	ug/l	95
22) Diisopropyl ether	3.763	45	84886	20.228	ug/l	91
23) Vinyl Acetate	3.721	43	349536	99.810	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46978	19.975	ug/l	99
25) 2-Butanone	4.562	43	113246	108.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31743	28.775	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28042	19.836	ug/l	92
28) Bromochloromethane	4.891	49	20825	18.577	ug/l	100
29) Tetrahydrofuran	5.013	42	70666	100.410	ug/l	99
30) Chloroform	5.086	83	49636	21.241	ug/l	94
31) Cyclohexane	5.458	56	38216	18.719	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39741	21.056	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29925	19.369	ug/l	98
37) Ethyl Acetate	4.721	43	41357	20.774	ug/l	100
38) Carbon Tetrachloride	5.672	117	33150	21.134	ug/l	92
39) Methylcyclohexane	7.379	83	36558	19.747	ug/l	98
40) Benzene	6.031	78	98693	20.229	ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23443	21.777	ug/l		98
42) 1,2-Dichloroethane	6.080	62	38946	22.168	ug/l		98
43) Isopropyl Acetate	6.342	43	62089	21.091	ug/l		98
44) Trichloroethene	7.129	130	22383	19.539	ug/l		98
45) 1,2-Dichloropropane	7.427	63	25785	20.556	ug/l		96
46) Dibromomethane	7.580	93	19014	21.446	ug/l		96
47) Bromodichloromethane	7.818	83	36869	21.200	ug/l		99
48) Methyl methacrylate	7.690	41	31795	21.528	ug/l		96
49) 1,4-Dioxane	7.665	88	11649	373.915	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	222348	112.487	ug/l		99
52) Toluene	8.714	92	59792	20.888	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30322	20.856	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	36016	21.244	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	25471	21.615	ug/l		99
56) Ethyl methacrylate	9.116	69	38614	21.557	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42984	21.077	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	84877	97.136	ug/l		99
59) 2-Hexanone	9.427	43	161205	112.560	ug/l		98
60) Dibromochloromethane	9.519	129	26339	21.377	ug/l		98
61) 1,2-Dibromoethane	9.610	107	25179	21.403	ug/l		97
64) Tetrachloroethene	9.269	164	19550	20.418	ug/l		99
65) Chlorobenzene	10.079	112	64649	20.437	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21858	20.749	ug/l		97
67) Ethyl Benzene	10.189	91	112693	20.445	ug/l		99
68) m/p-Xylenes	10.299	106	85116	42.183	ug/l		99
69) o-Xylene	10.640	106	42125	20.699	ug/l		98
70) Styrene	10.652	104	68782	20.888	ug/l		97
71) Bromoform	10.799	173	16337	20.565	ug/l	#	99
73) Isopropylbenzene	10.963	105	110486	21.707	ug/l		99
74) N-amyl acetate	10.841	43	50145	20.996	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	39901	21.363	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	40635	26.773	ug/l		88
77) Bromobenzene	11.195	156	24928	20.758	ug/l		96
78) n-propylbenzene	11.299	91	126518	22.004	ug/l		98
79) 2-Chlorotoluene	11.360	91	78311	21.386	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	91263	22.175	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	9225	20.800	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	86685	21.721	ug/l		100
83) tert-Butylbenzene	11.713	119	91062	21.535	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	89517	21.617	ug/l		100
85) sec-Butylbenzene	11.890	105	113963	22.499	ug/l		99
86) p-Isopropyltoluene	12.006	119	90559	22.123	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	44674	20.853	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44289	20.434	ug/l		98
89) n-Butylbenzene	12.329	91	76819	21.789	ug/l		99
90) Hexachloroethane	12.536	117	15824	21.372	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	45440	21.144	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7923	21.774	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	24507	20.027	ug/l		99
94) Hexachlorobutadiene	13.725	225	10883	21.692	ug/l		98
95) Naphthalene	13.774	128	94184	20.032	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25568	19.806	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

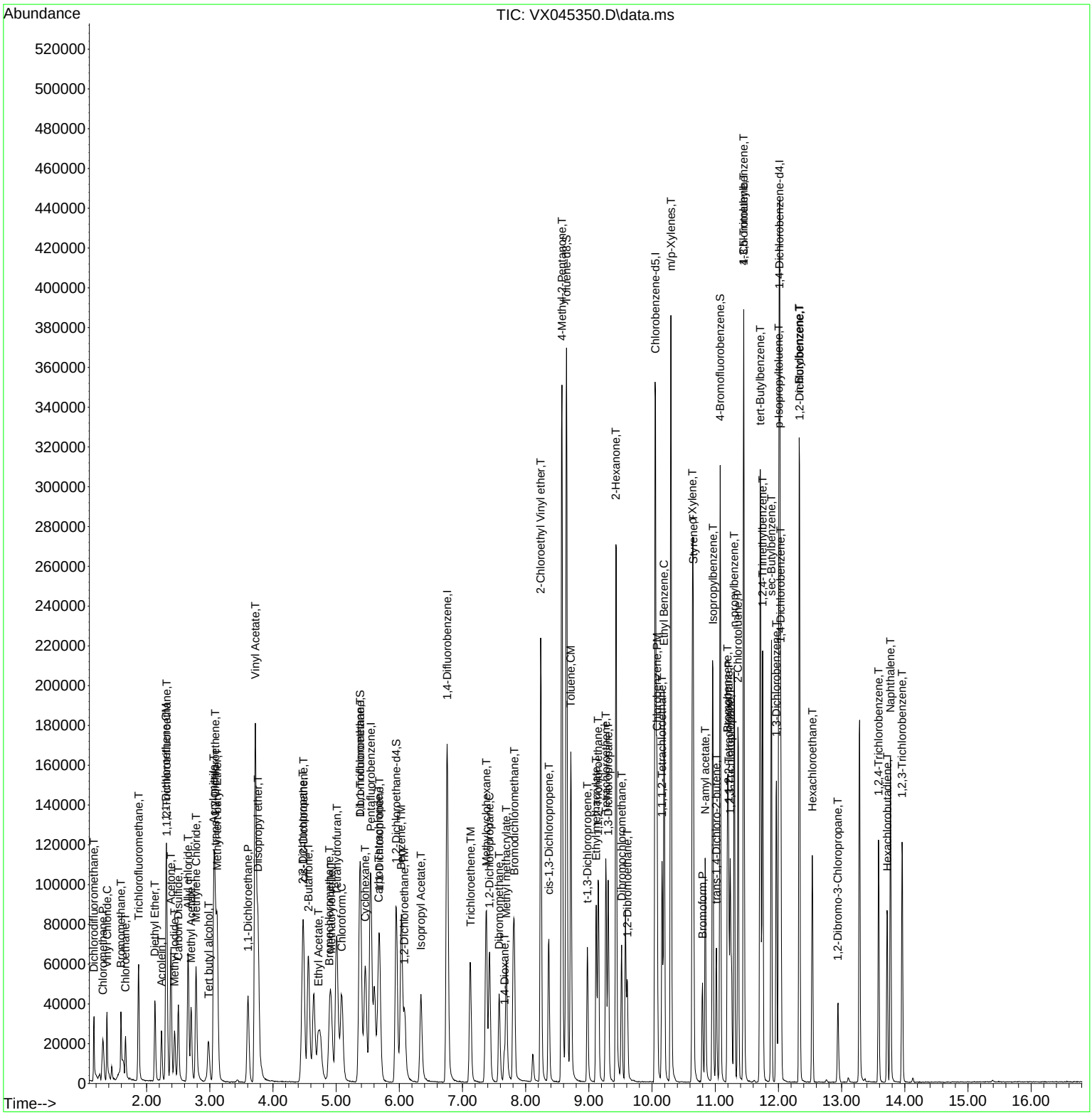
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

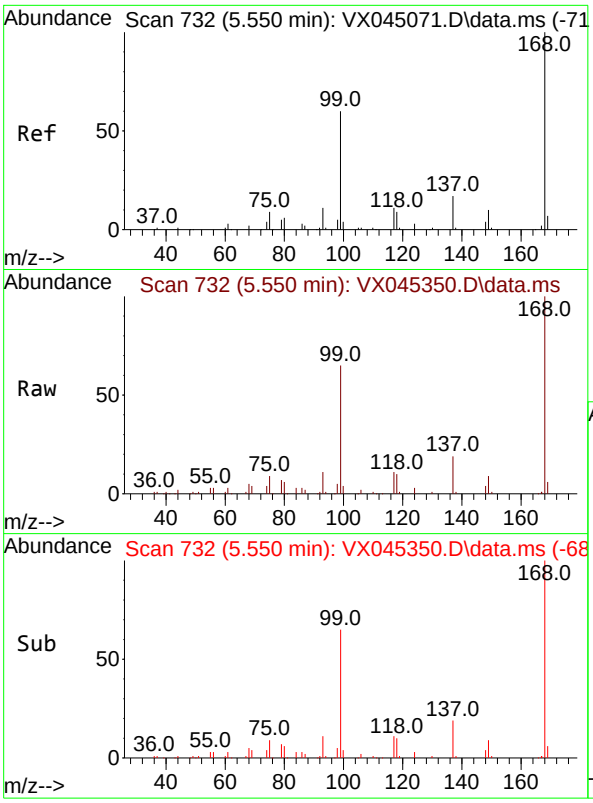
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



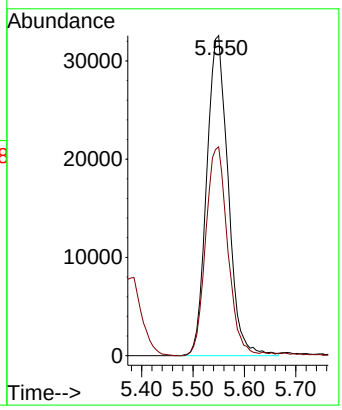


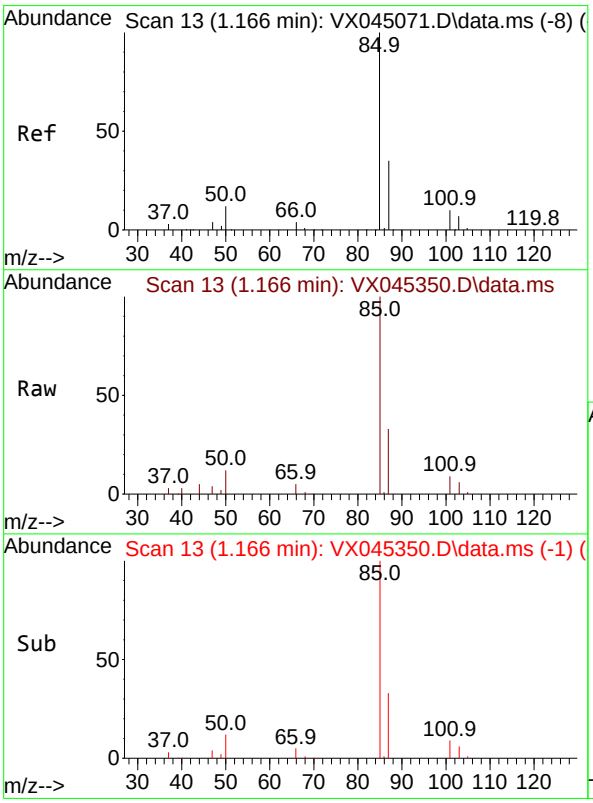
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:168 Resp: 94337

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4

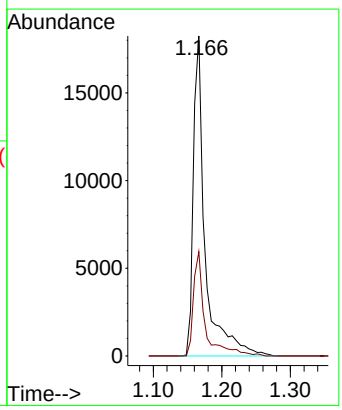


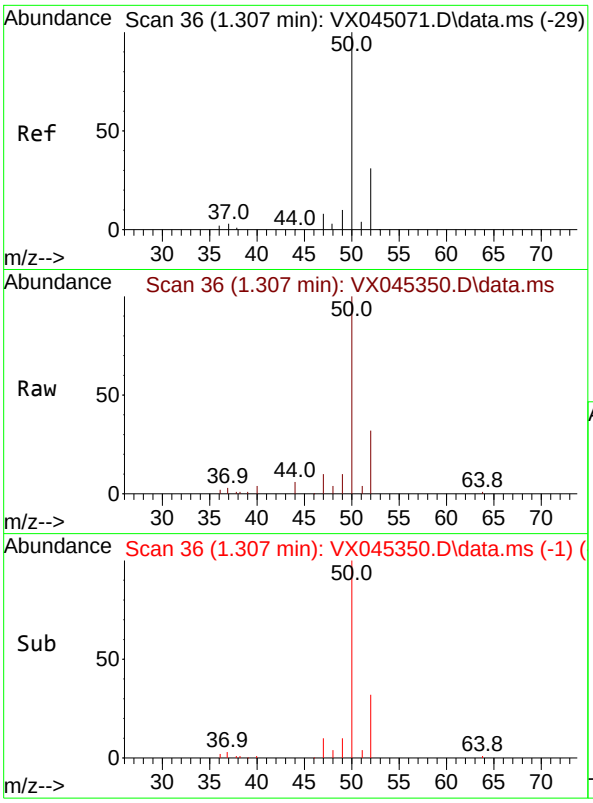


#2
Dichlorodifluoromethane
Concen: 18.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 85 Resp: 21766

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3



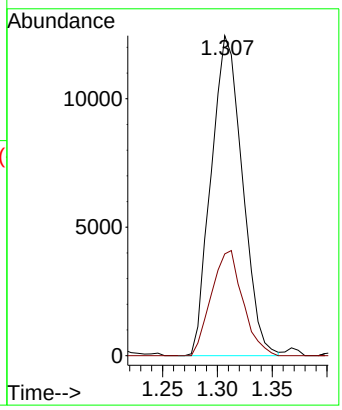


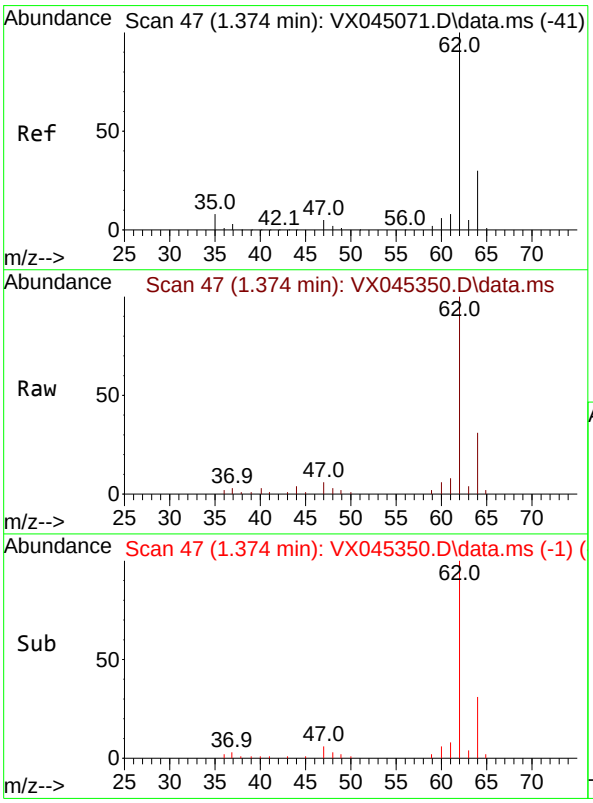
#3
Chloromethane
Concen: 16.997 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 50 Resp: 24700

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4

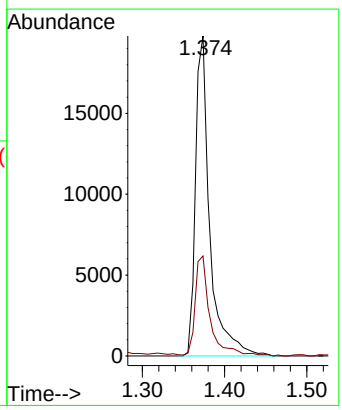


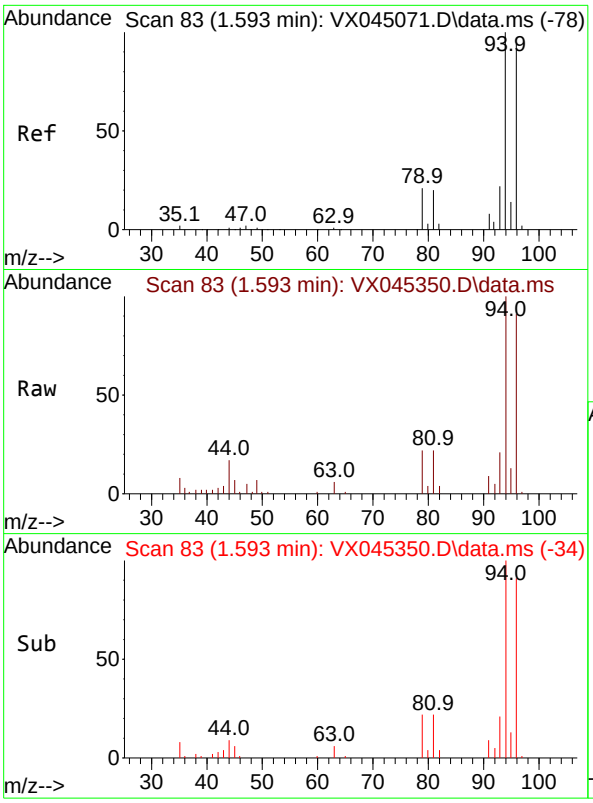


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 23778

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5



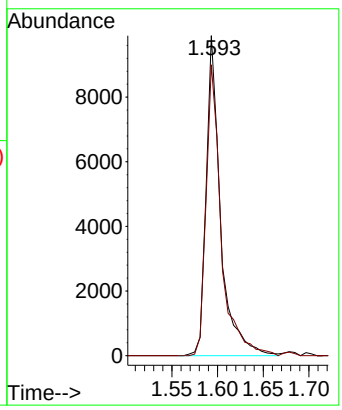


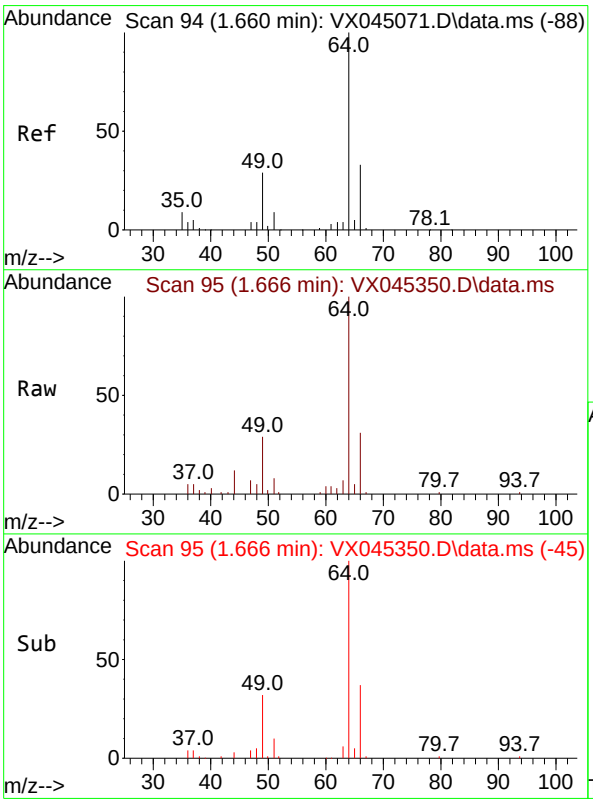
#5
Bromomethane
Concen: 19.068 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 94 Resp: 10806

Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.0	112.4

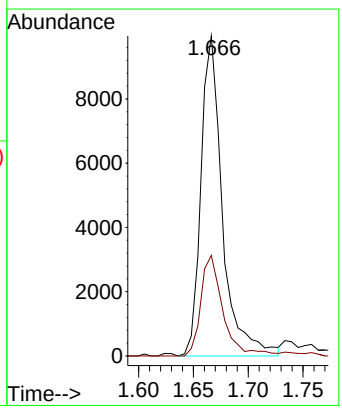


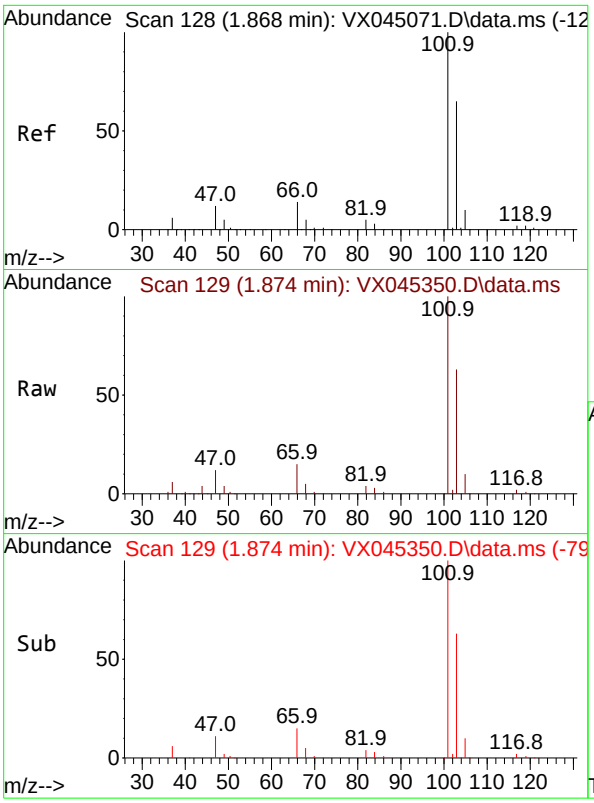


#6
Chloroethane
Concen: 20.367 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 64 Resp: 13543

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1



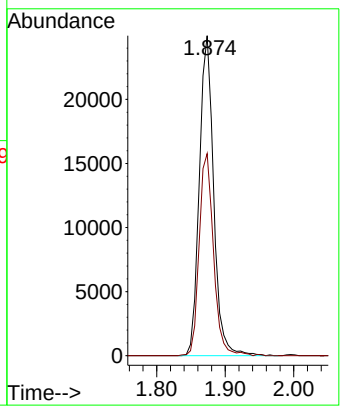


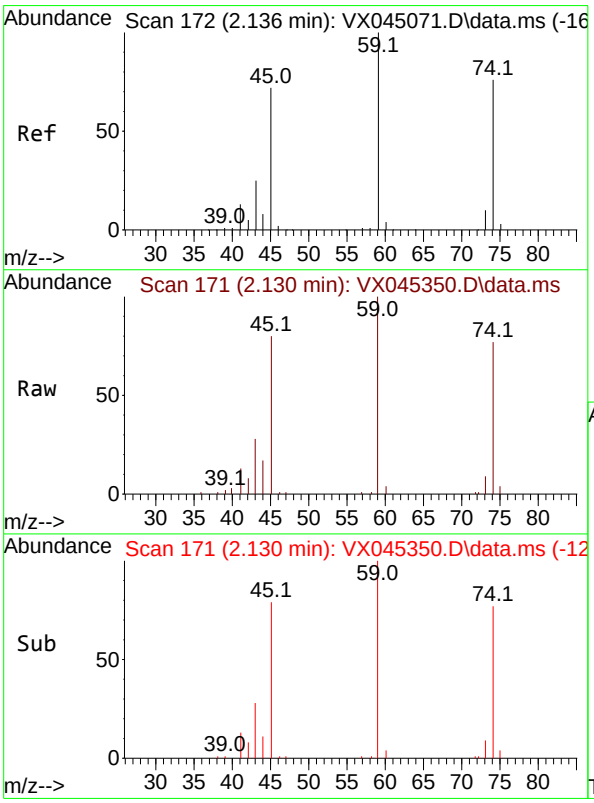
#7
Trichlorofluoromethane
Concen: 19.102 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:101 Resp: 36454

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1

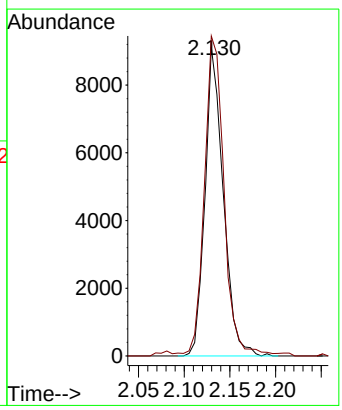


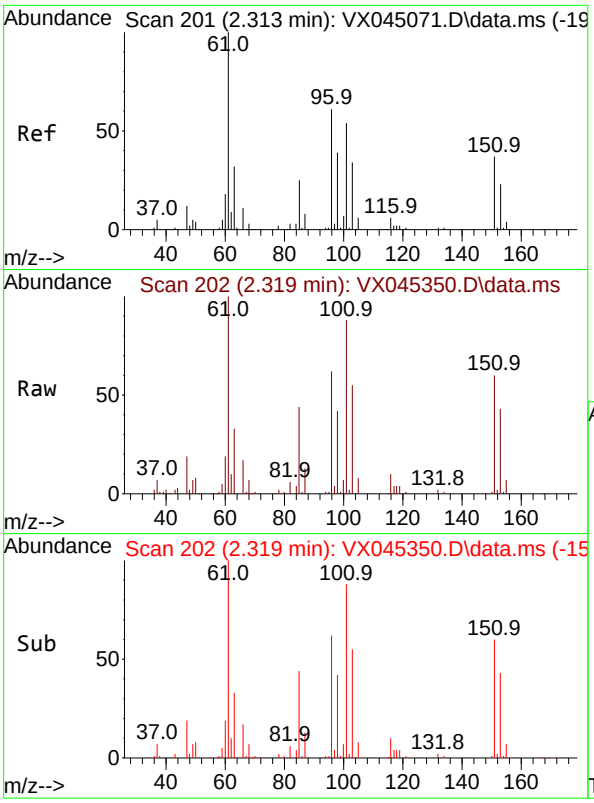


#8
Diethyl Ether
Concen: 16.992 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 74 Resp: 12684

Ion	Ratio	Lower	Upper
74	100		
45	110.9	51.5	154.5



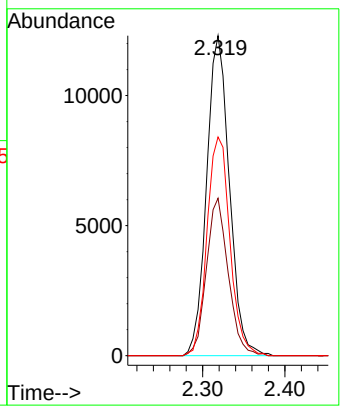


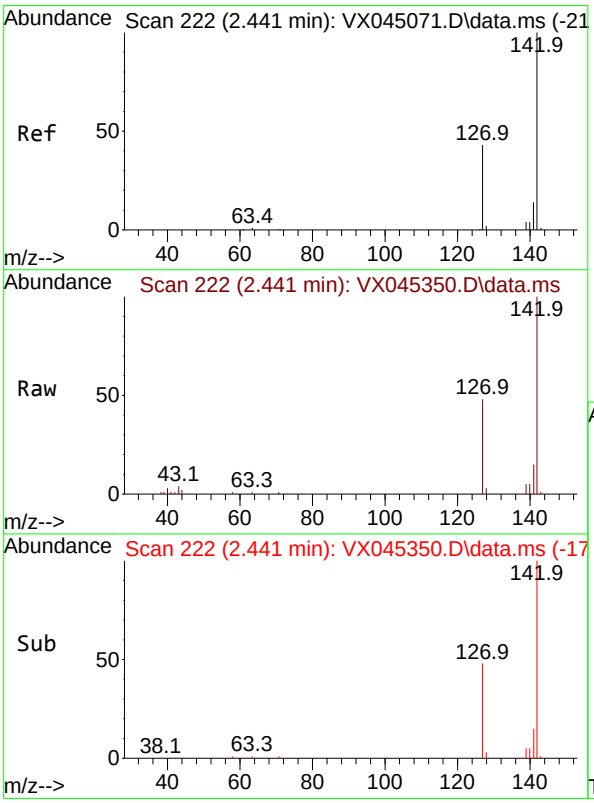
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.591 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:101 Resp: 23673

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	68.8	56.4	84.6

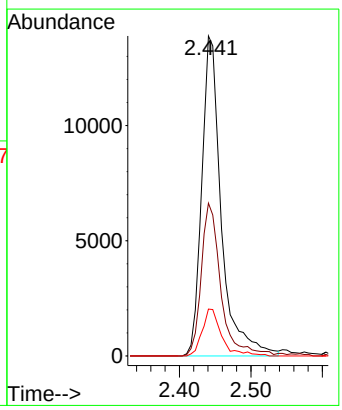


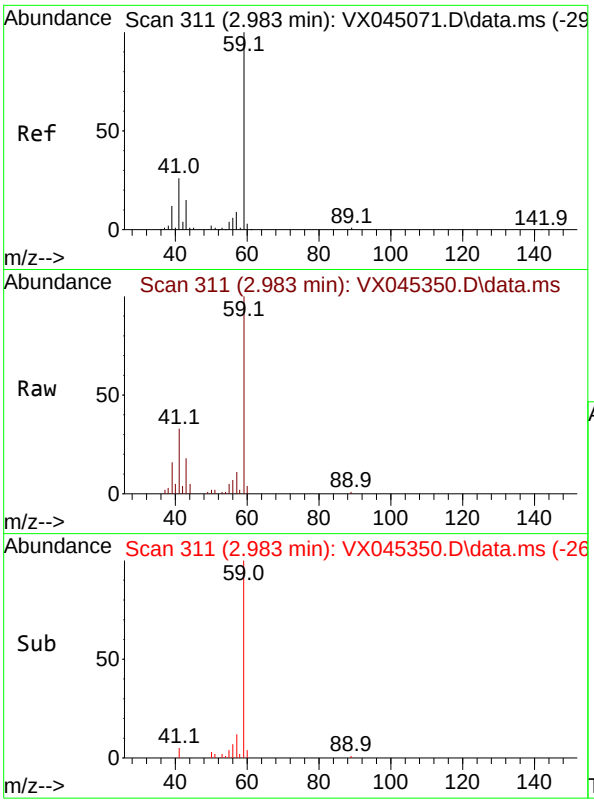


#10
Methyl Iodide
Concen: 19.277 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:142 Resp: 26414

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.4	53.2
141	14.6	11.6	17.4



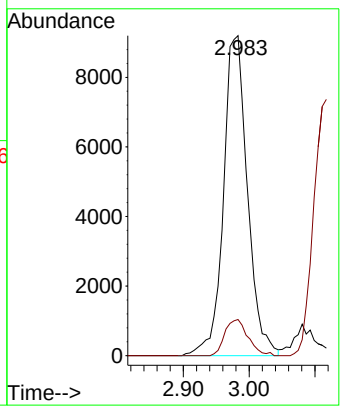


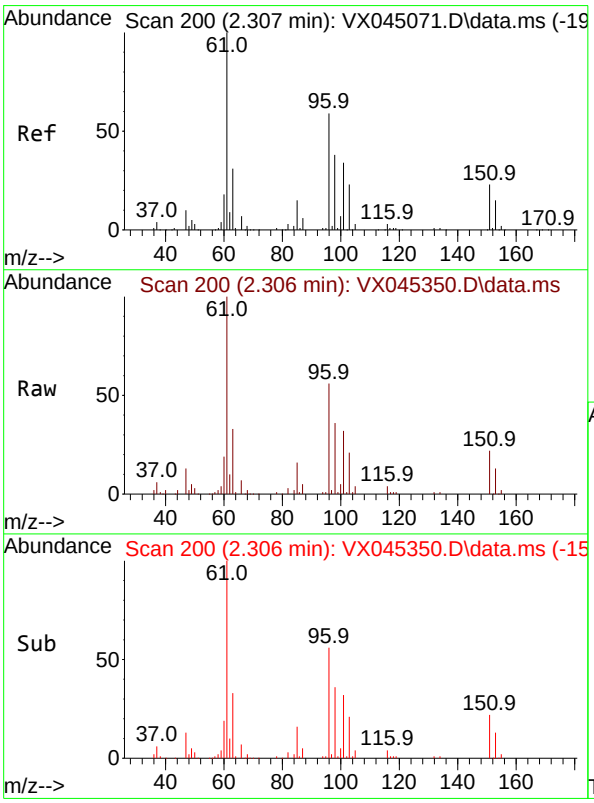
#11
Tert butyl alcohol
Concen: 82.384 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 59 Resp: 23416

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

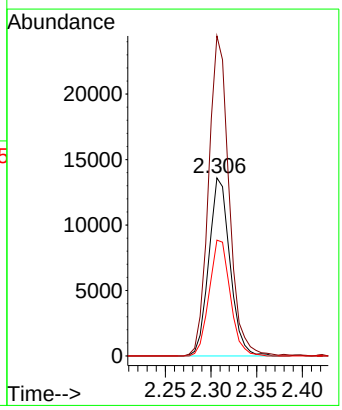


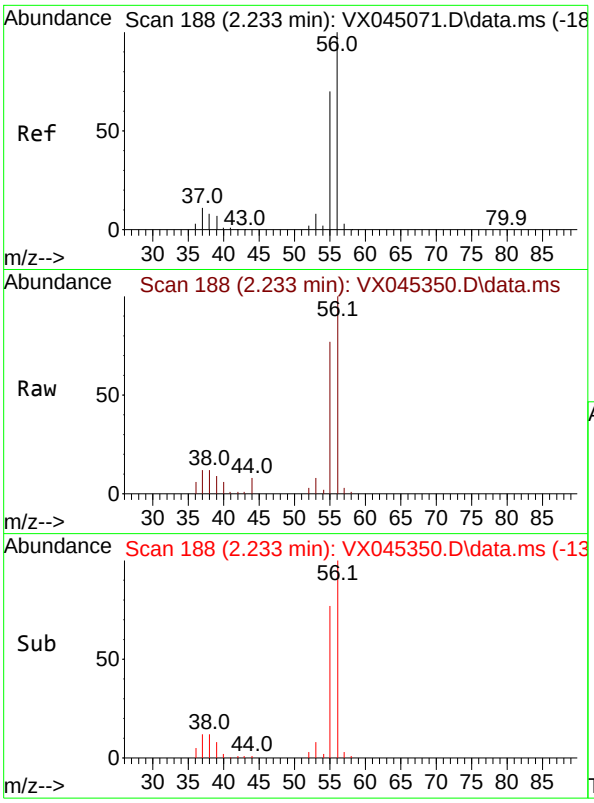


#12
1,1-Dichloroethene
Concen: 18.826 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 21823

Ion	Ratio	Lower	Upper
96	100		
61	179.6	134.6	202.0
98	65.0	51.0	76.6



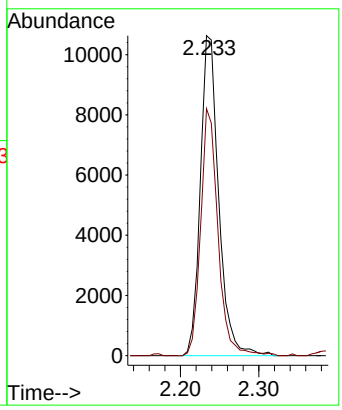


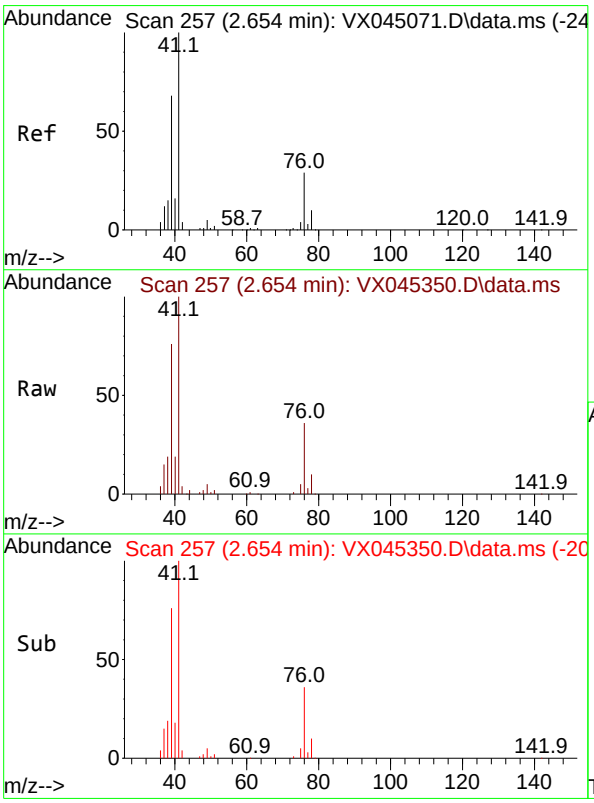
#13
Acrolein
Concen: 52.632 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 56 Resp: 17293

Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4

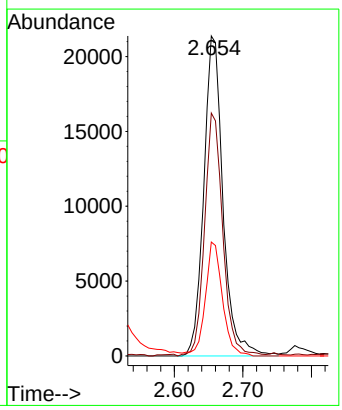


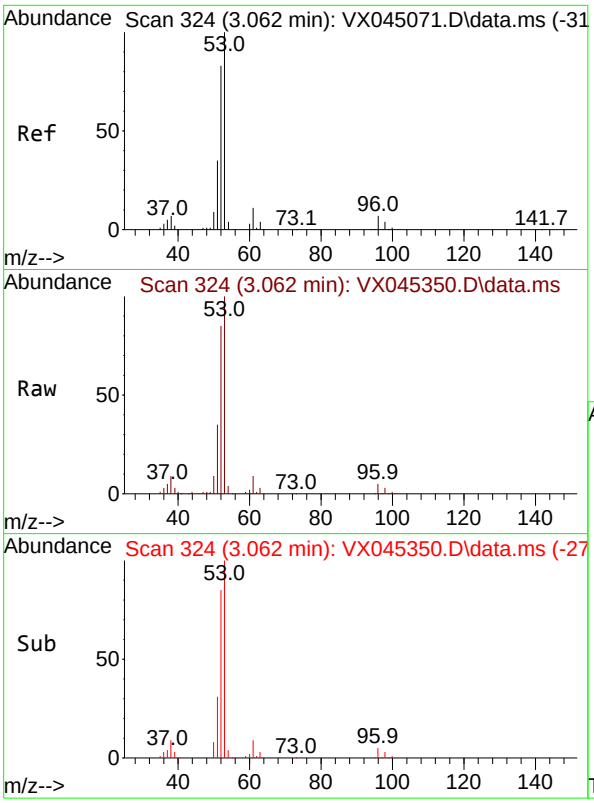


#14
Allyl chloride
Concen: 20.298 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 41884

Ion	Ratio	Lower	Upper
41	100		
39	71.6	53.8	80.8
76	31.7	25.2	37.8



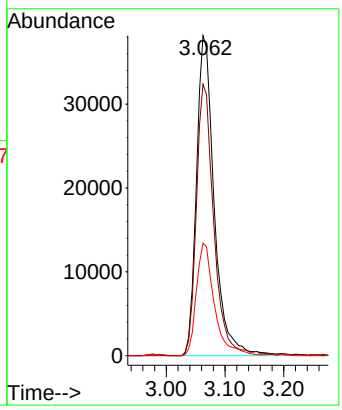


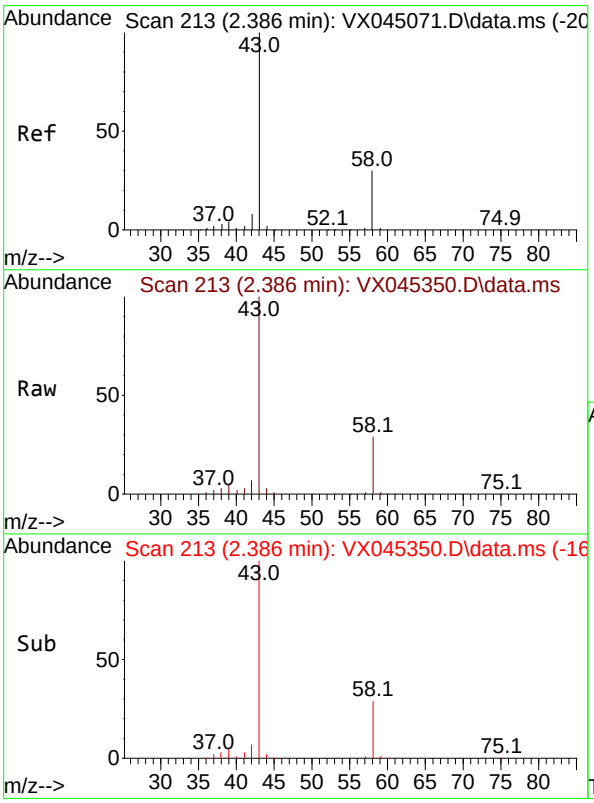
#15
Acrylonitrile
Concen: 105.082 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 53 Resp: 80049

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.8	29.0	43.4

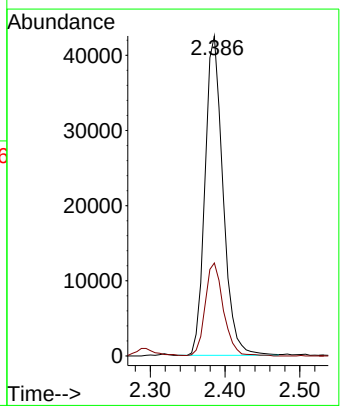


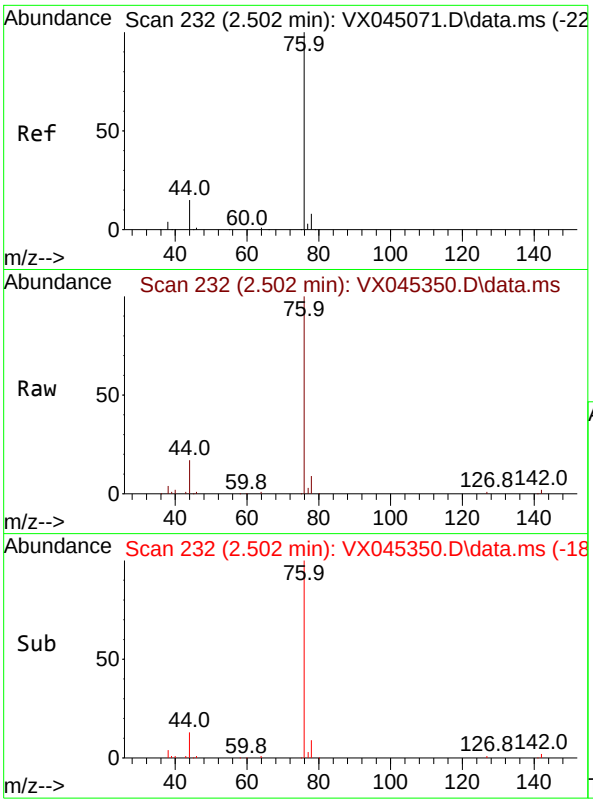


#16
Acetone
Concen: 102.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 71160

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4



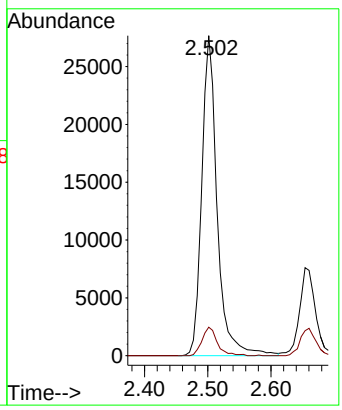


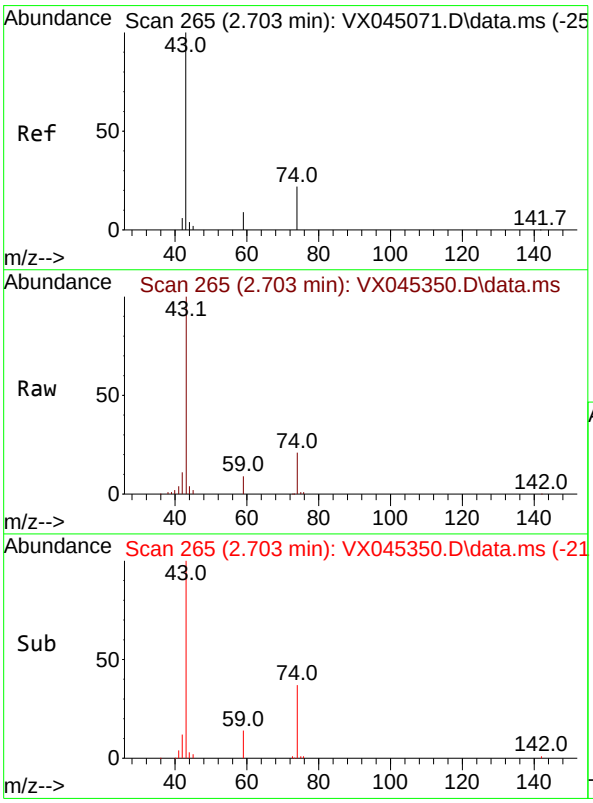
#17
Carbon Disulfide
Concen: 15.169 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 76 Resp: 46834

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

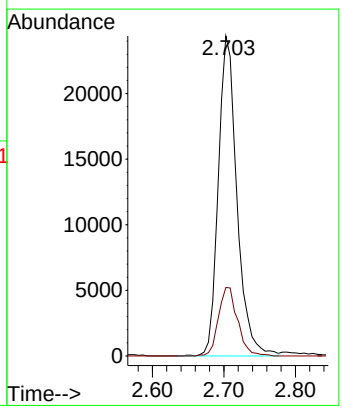


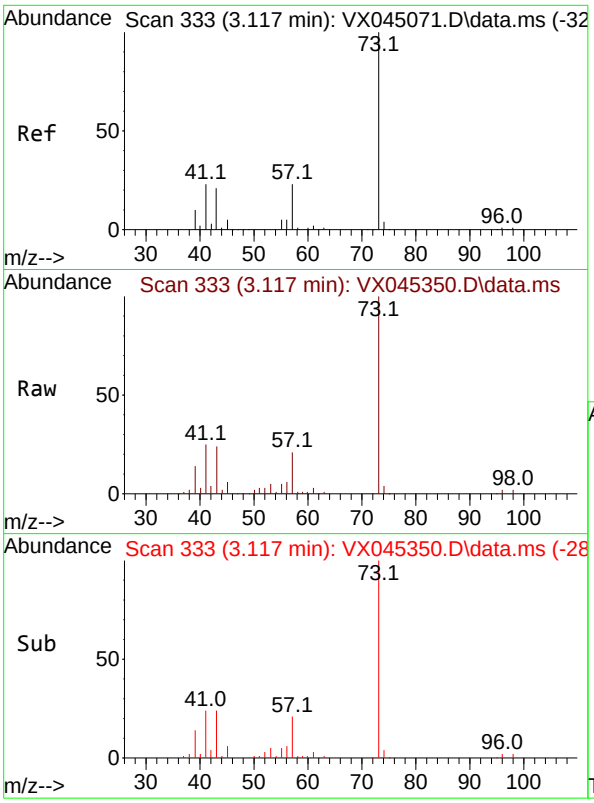


#18
Methyl Acetate
Concen: 26.343 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 44122

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



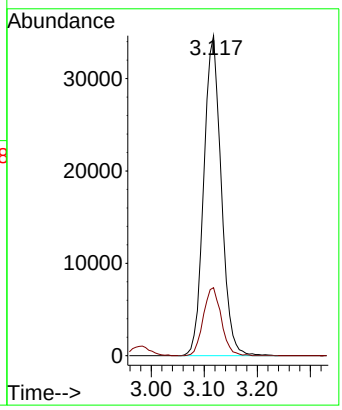


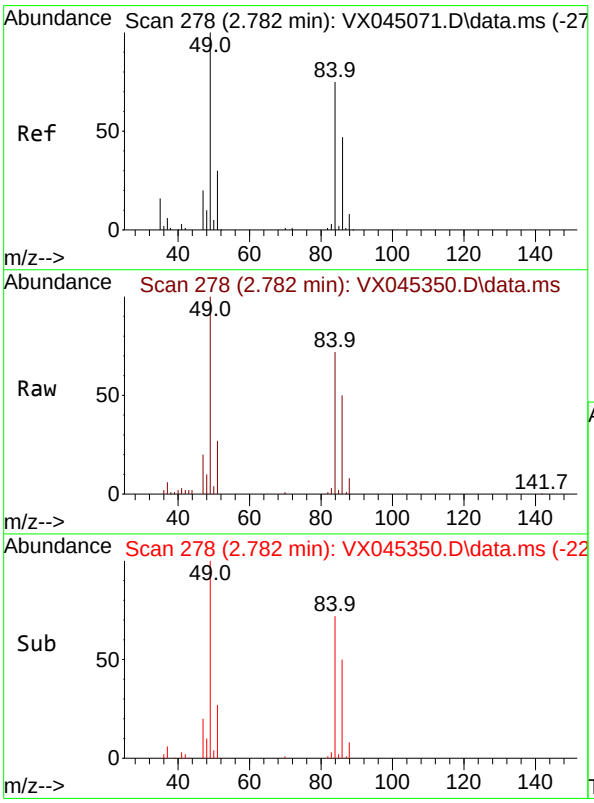
#19
Methyl tert-butyl Ether
Concen: 20.380 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 73 Resp: 79261

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.5	27.7

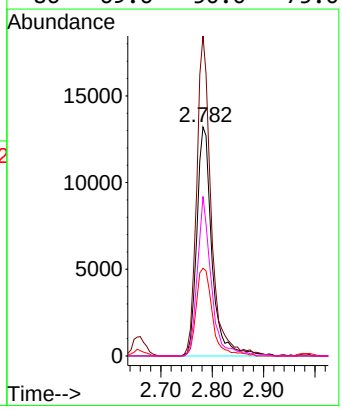


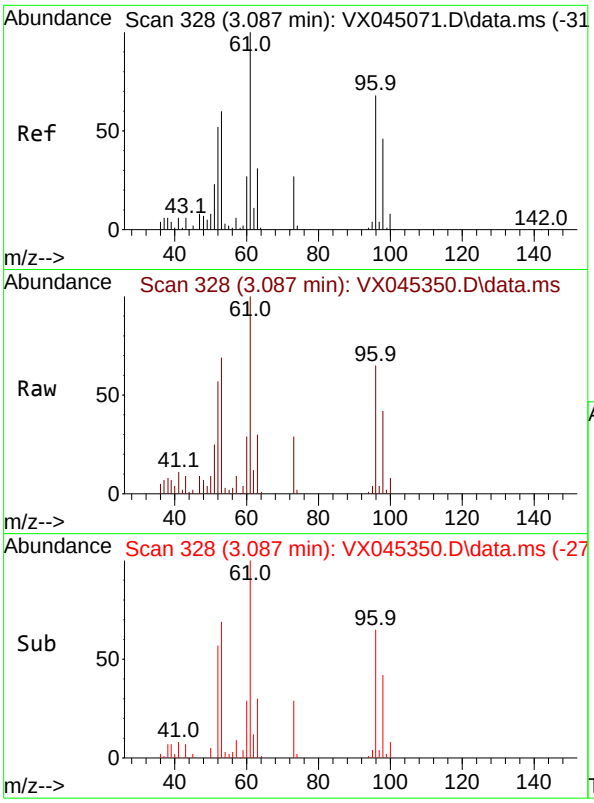


#20
Methylene Chloride
Concen: 19.552 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 84 Resp: 26965

Ion	Ratio	Lower	Upper
84	100		
49	139.7	106.5	159.7
51	38.3	32.1	48.1
86	69.6	50.0	75.0



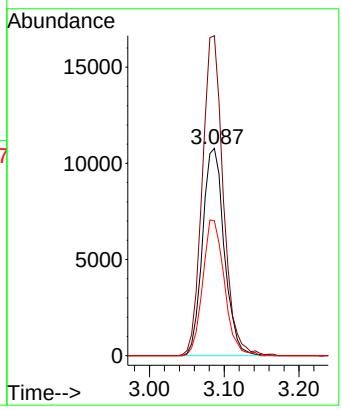


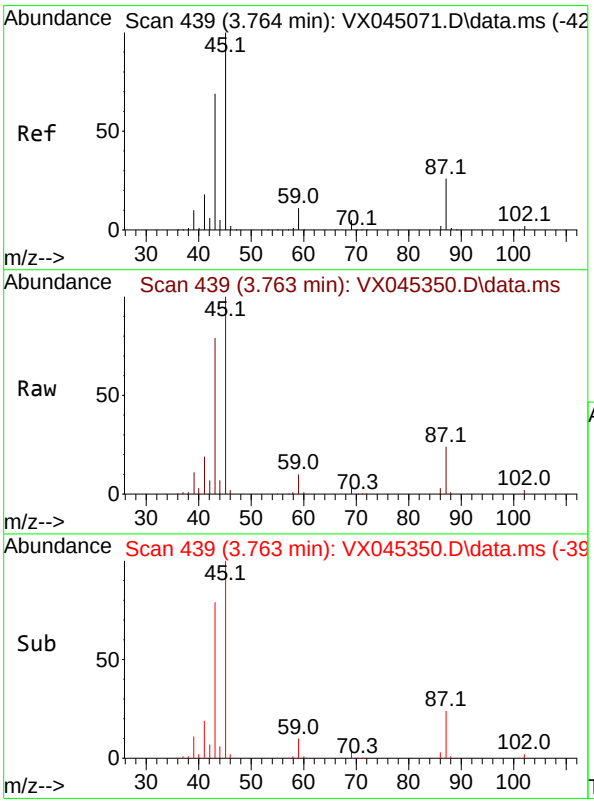
#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 96 Resp: 21732

Ion	Ratio	Lower	Upper
96	100		
61	154.4	117.0	175.4
98	65.0	53.4	80.2

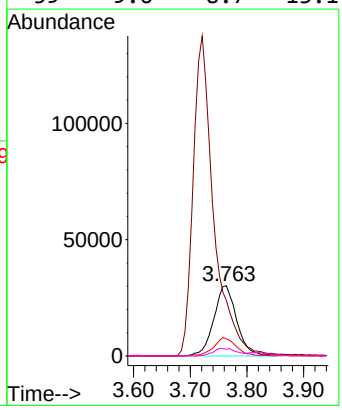


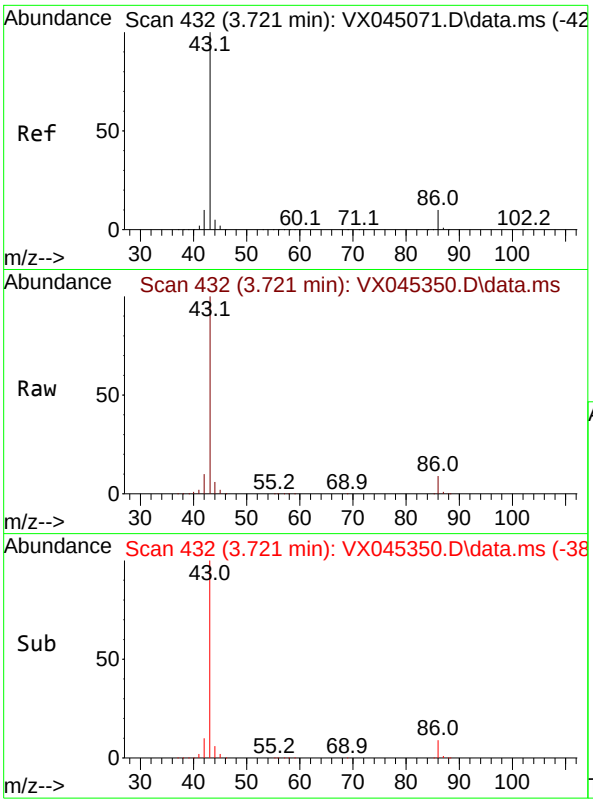


#22
Diisopropyl ether
Concen: 20.228 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 45 Resp: 84886

Ion	Ratio	Lower	Upper
45	100		
43	77.8	54.9	82.3
87	24.4	21.0	31.4
59	9.6	8.7	13.1



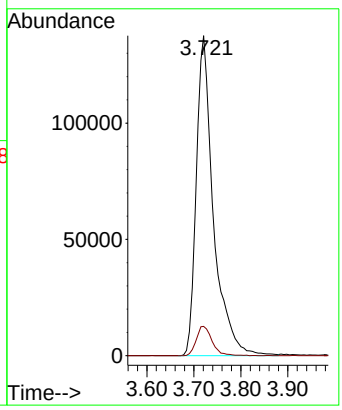


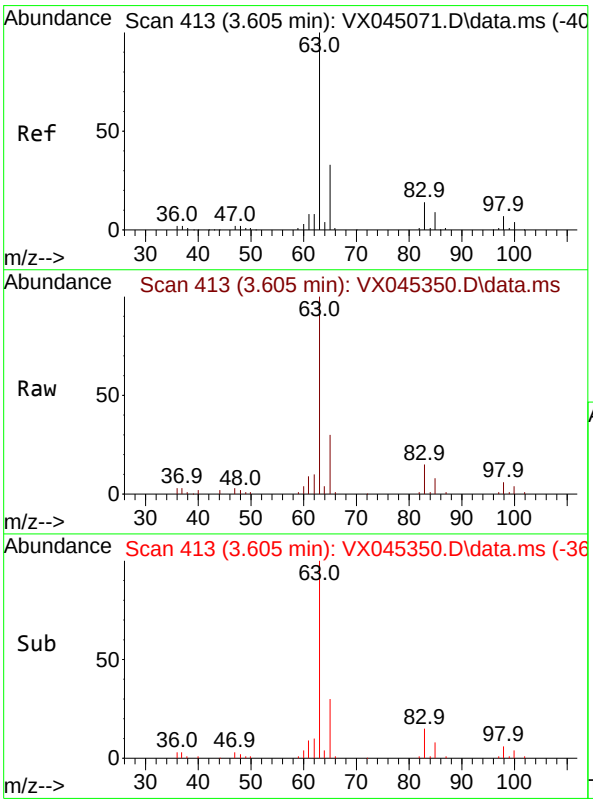
#23
Vinyl Acetate
Concen: 99.810 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 349536

Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.1	12.1

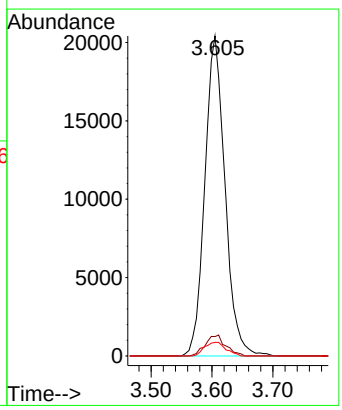


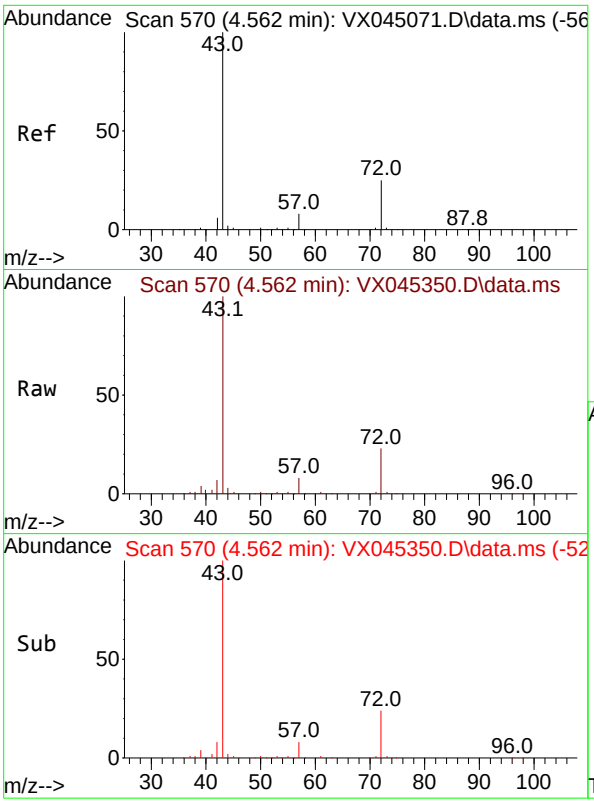


#24
1,1-Dichloroethane
Concen: 19.975 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 46978

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.2
100	4.3	2.1	6.5



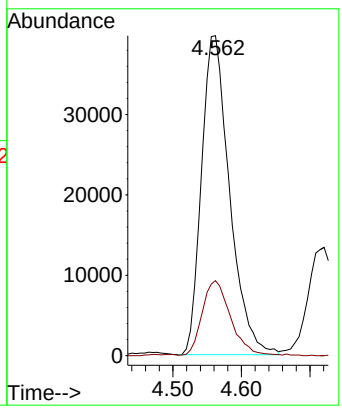


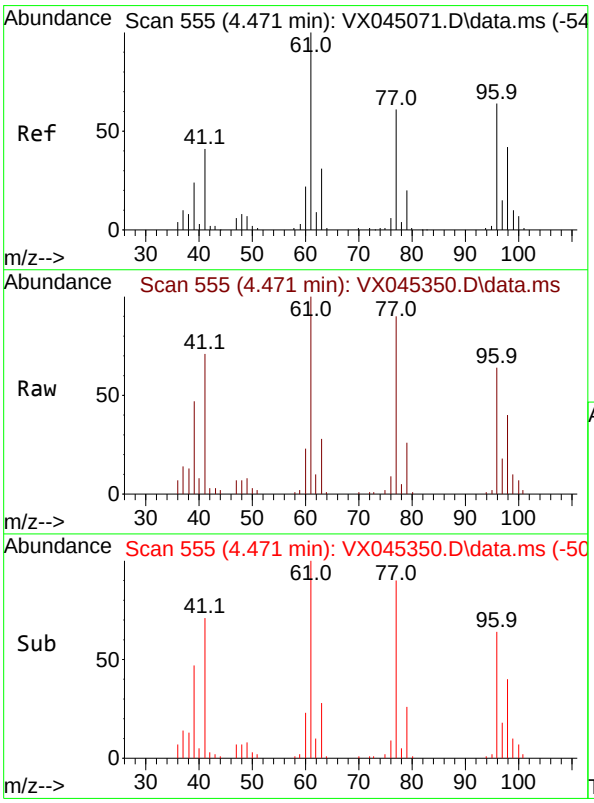
#25
2-Butanone
Concen: 108.061 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 113246

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

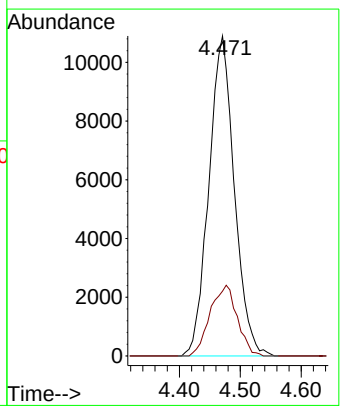


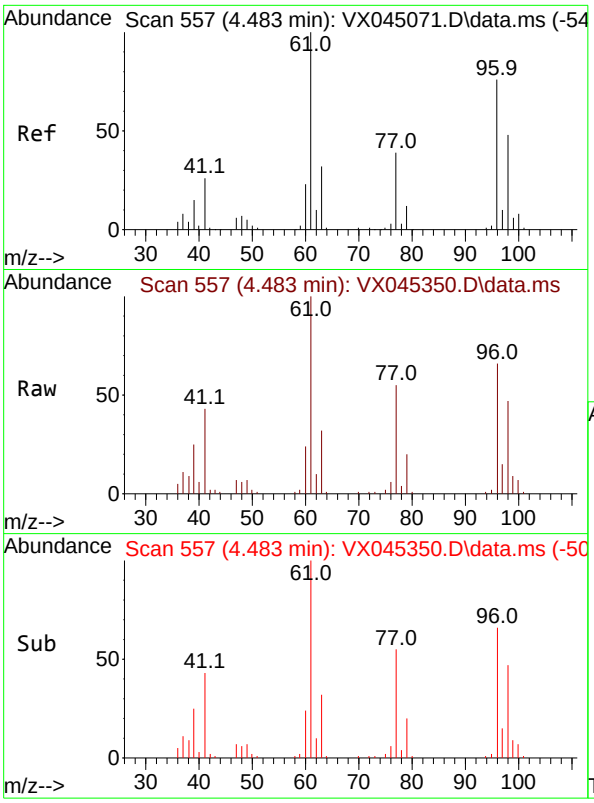


#26
2,2-Dichloropropane
Concen: 28.775 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 77 Resp: 31743

Ion	Ratio	Lower	Upper
77	100		
97	23.5	12.4	37.0



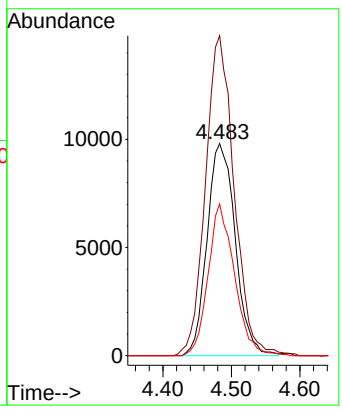


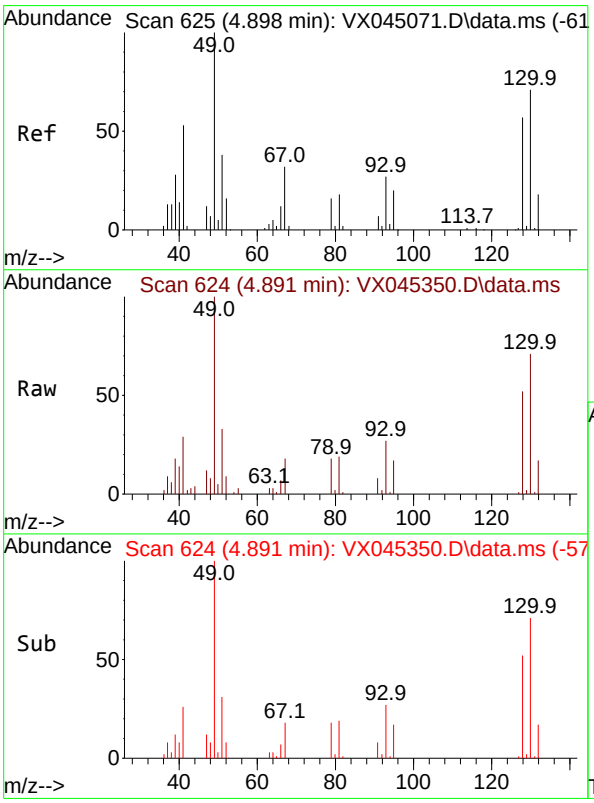
#27
cis-1,2-Dichloroethene
Concen: 19.836 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 96 Resp: 28042

Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	66.8	0.0	128.0

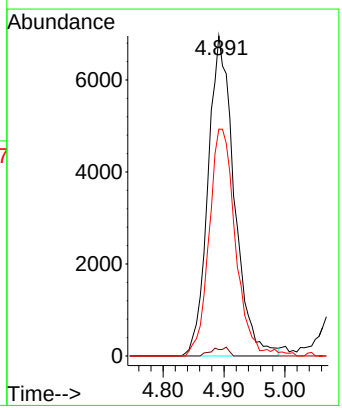


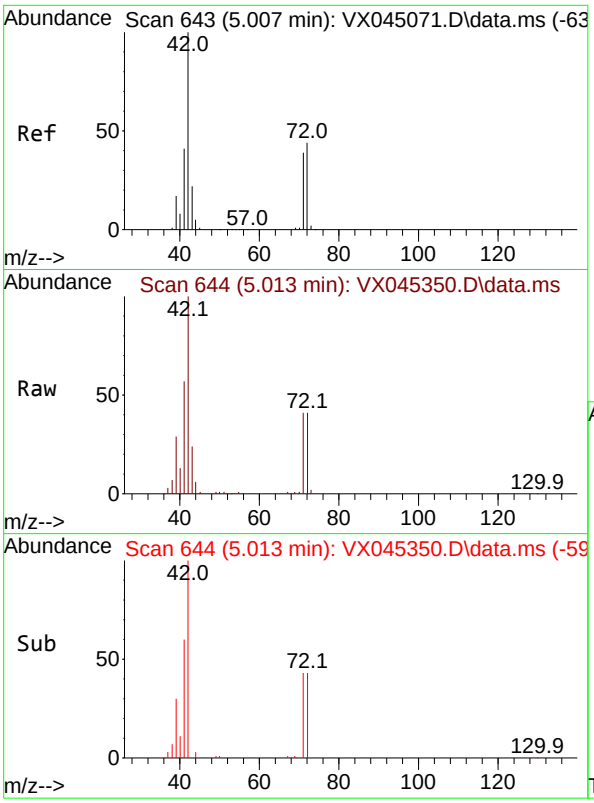


#28
Bromochloromethane
Concen: 18.577 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 49 Resp: 20825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



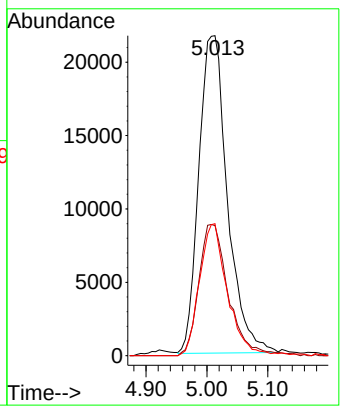


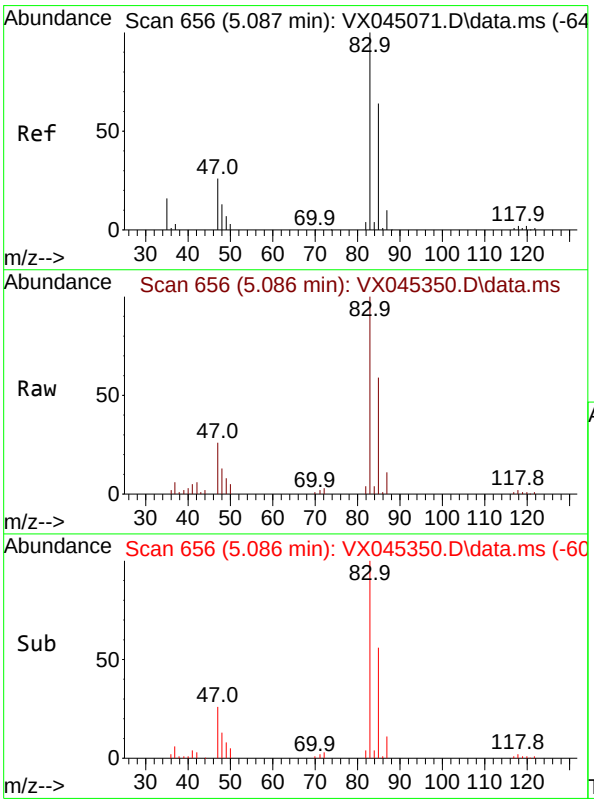
#29
Tetrahydrofuran
Concen: 100.410 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 42 Resp: 70666

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	40.2	31.4	47.0

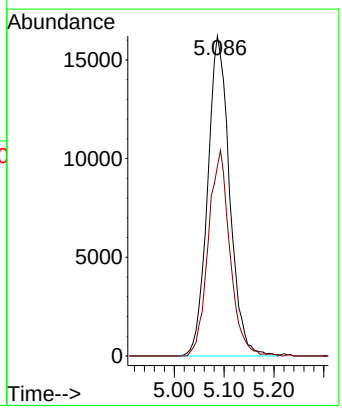


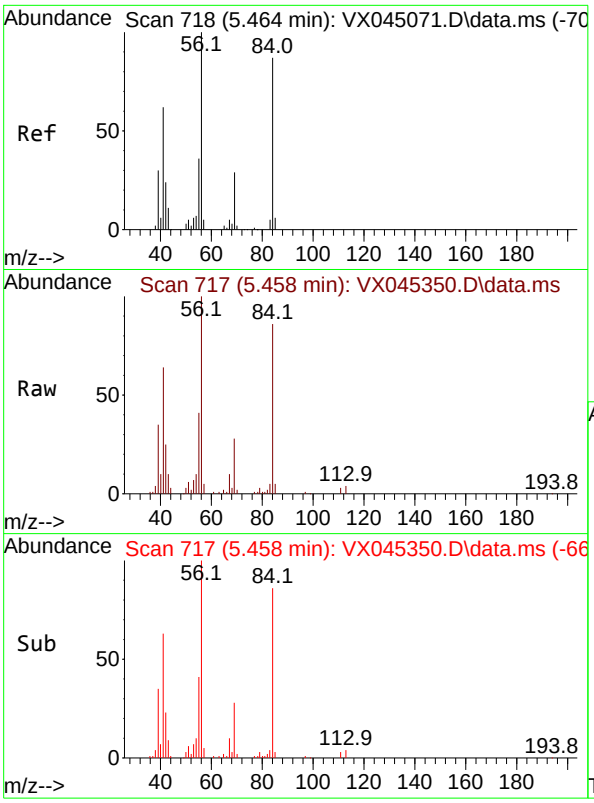


#30
Chloroform
Concen: 21.241 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 49636

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.4	77.2



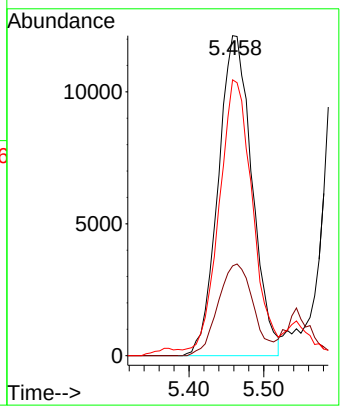


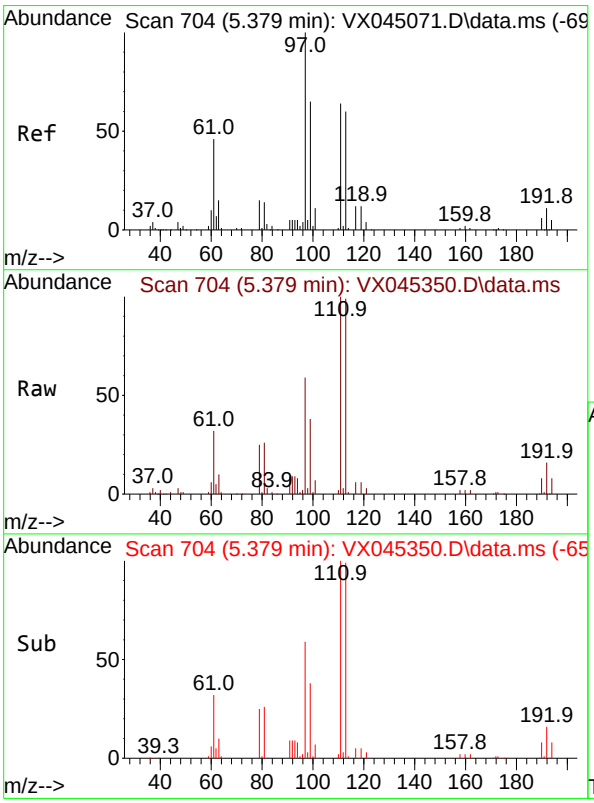
#31
Cyclohexane
Concen: 18.719 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 56 Resp: 38216

Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.2
84	84.2	69.4	104.2

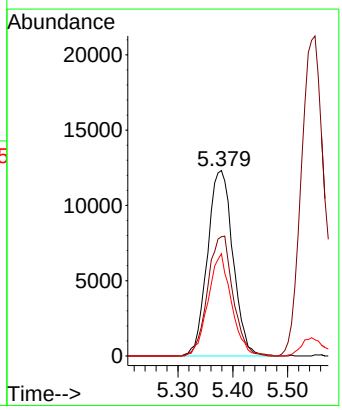


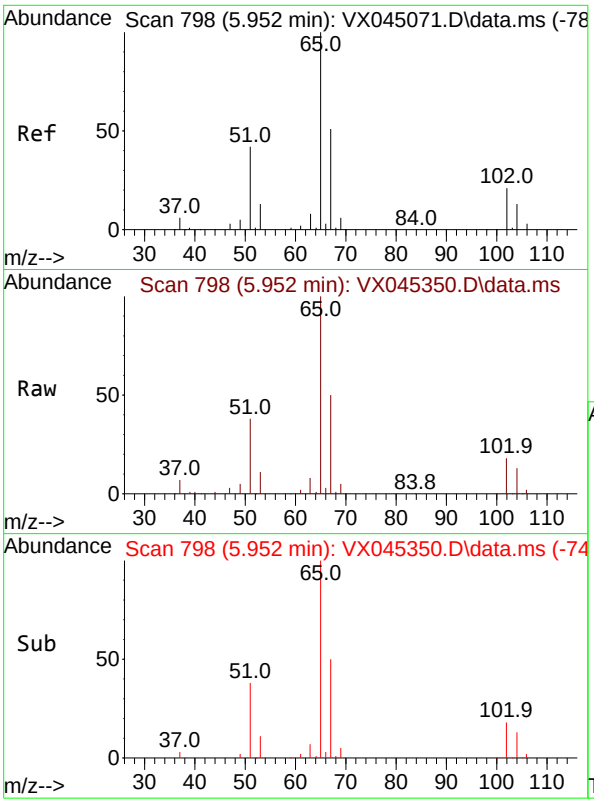


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 39741

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6



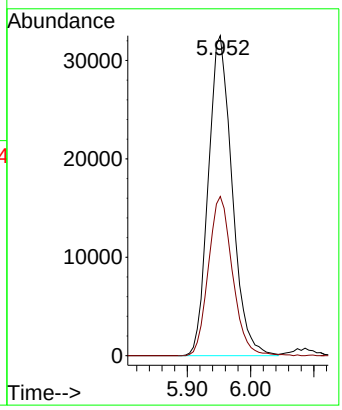


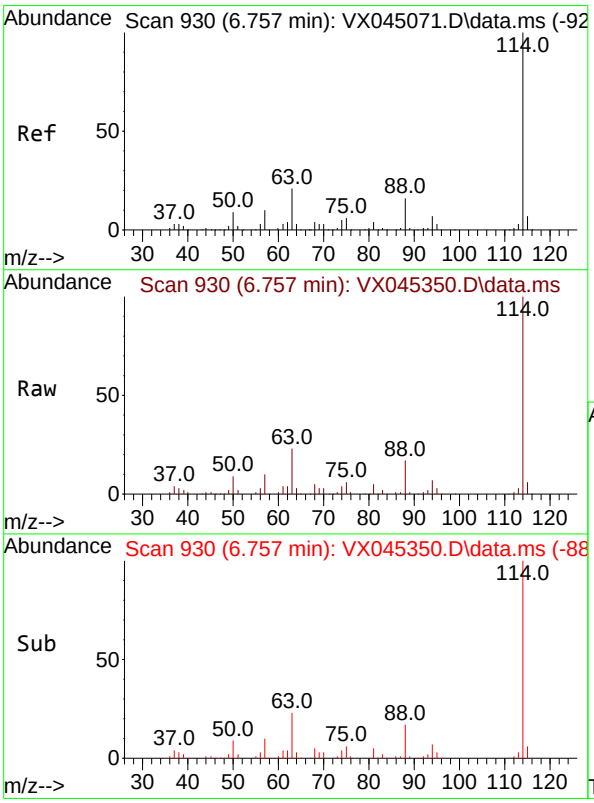
#33
1,2-Dichloroethane-d4
Concen: 56.529 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 65 Resp: 84826

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

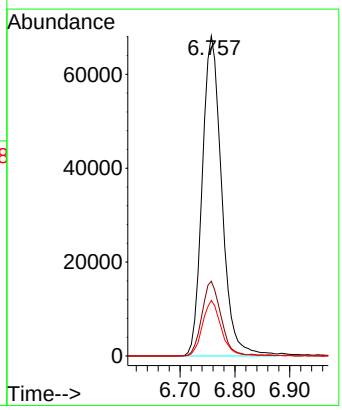


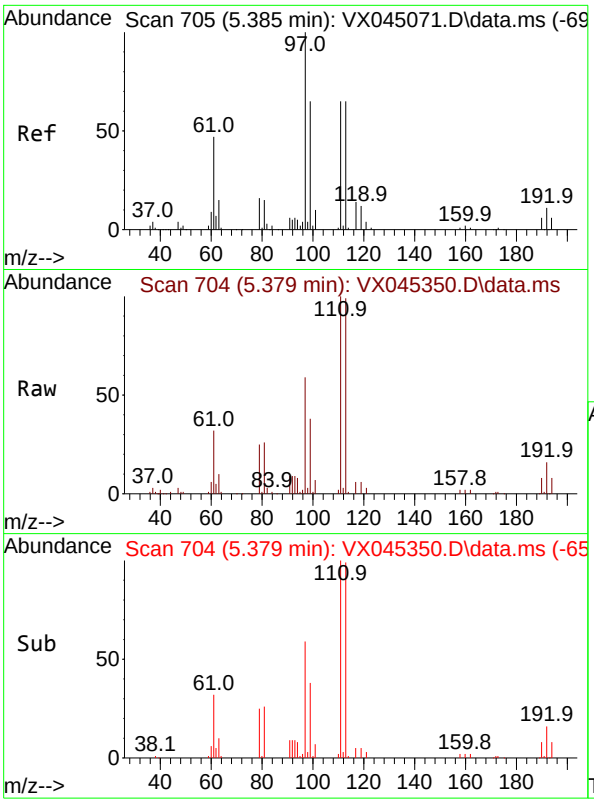


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:114 Resp: 168482

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.3	0.0	32.8



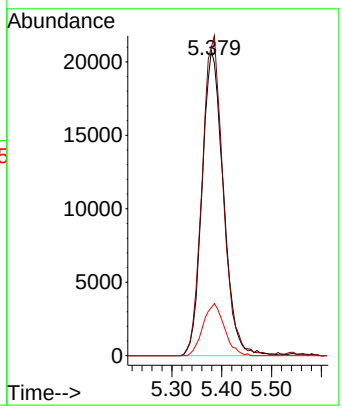


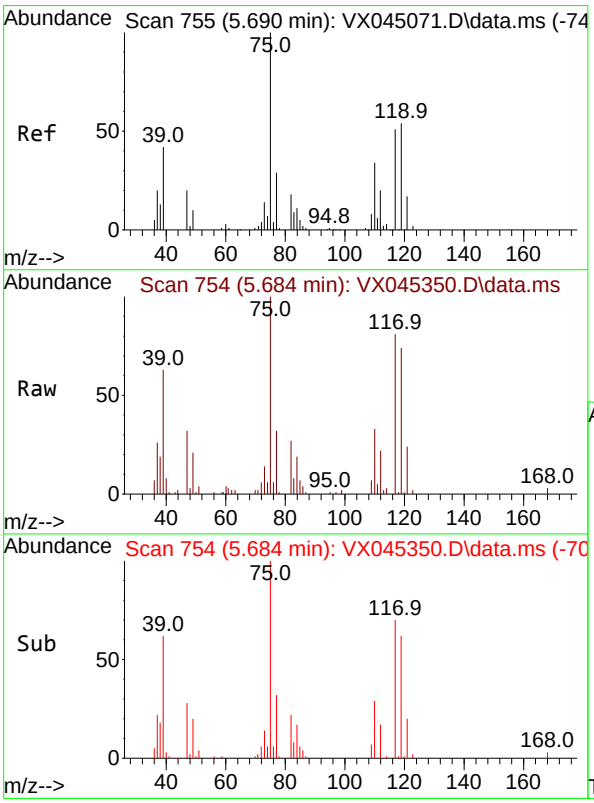
#35
Dibromofluoromethane
Concen: 54.756 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:113 Resp: 61688

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.1	14.3	21.5

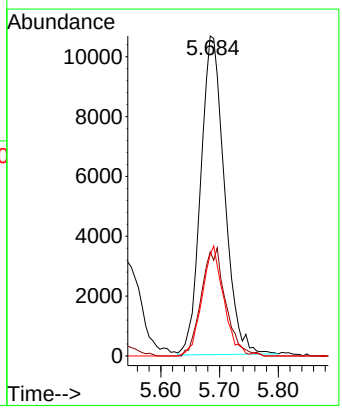


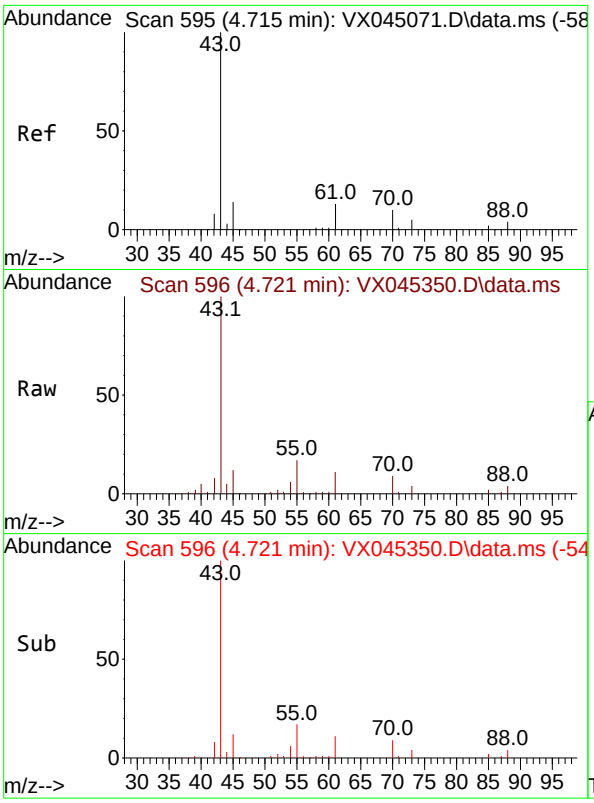


#36
1,1-Dichloropropene
Concen: 19.369 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 29925

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.4	24.5	36.7



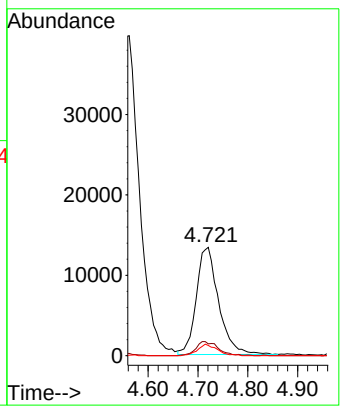


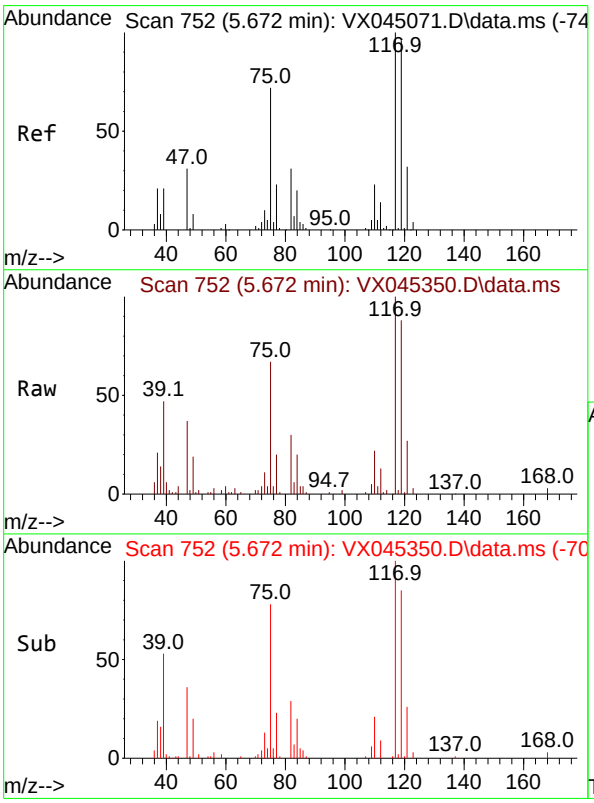
#37
Ethyl Acetate
Concen: 20.774 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 41357

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.4	7.7	11.5

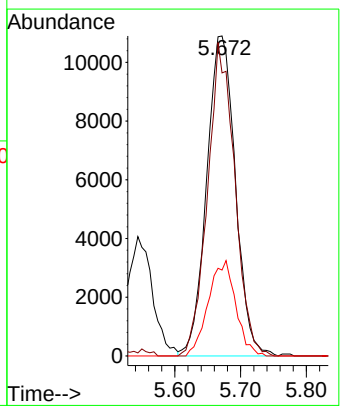


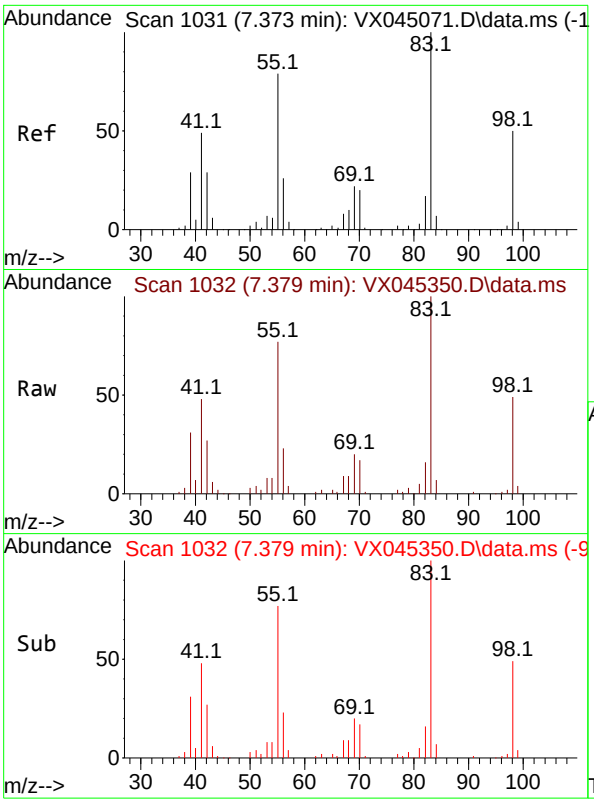


#38
Carbon Tetrachloride
Concen: 21.134 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 33150

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.7	115.1
121	26.9	25.5	38.3



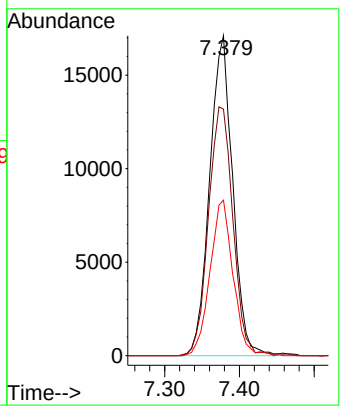


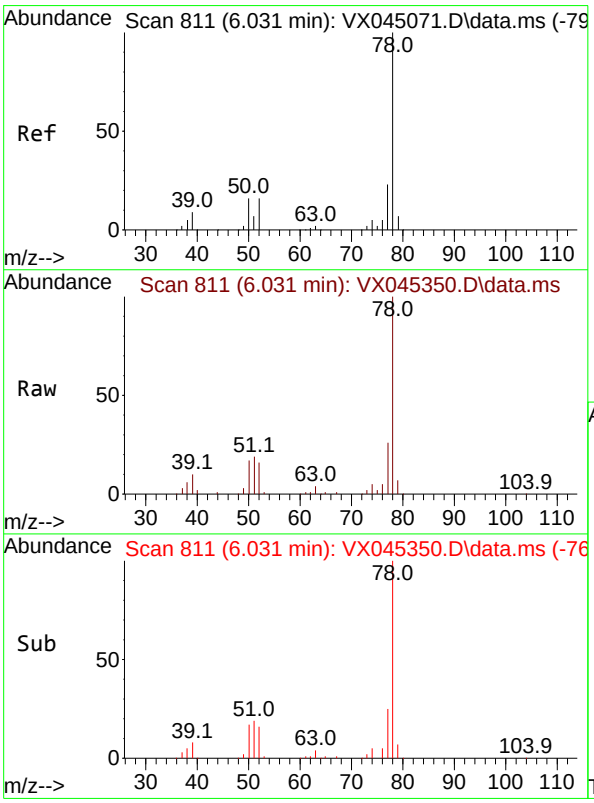
#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 36558

Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.0	94.4
98	48.6	39.7	59.5

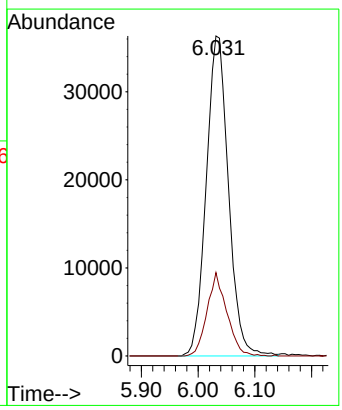


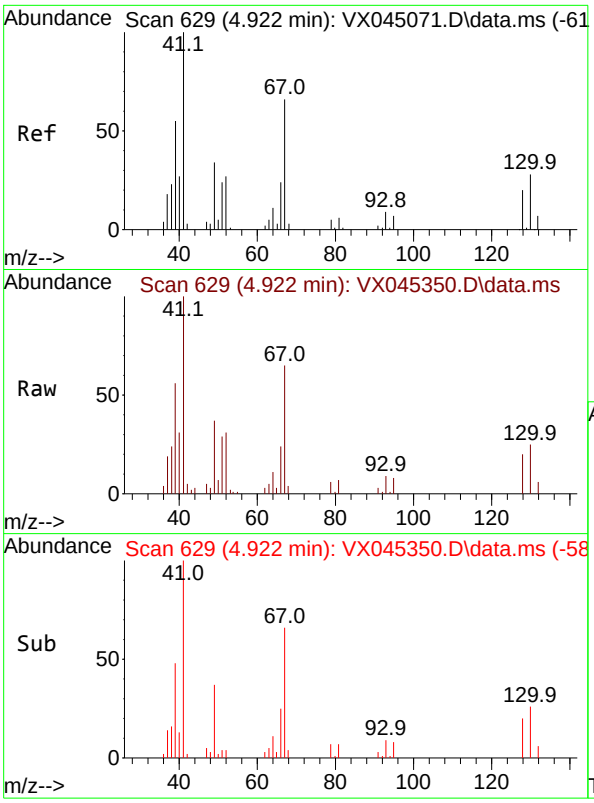


#40
Benzene
Concen: 20.229 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 78 Resp: 98693

Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.8	28.2



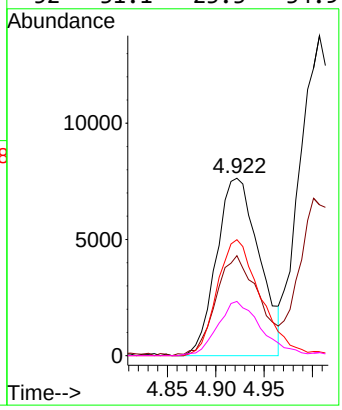


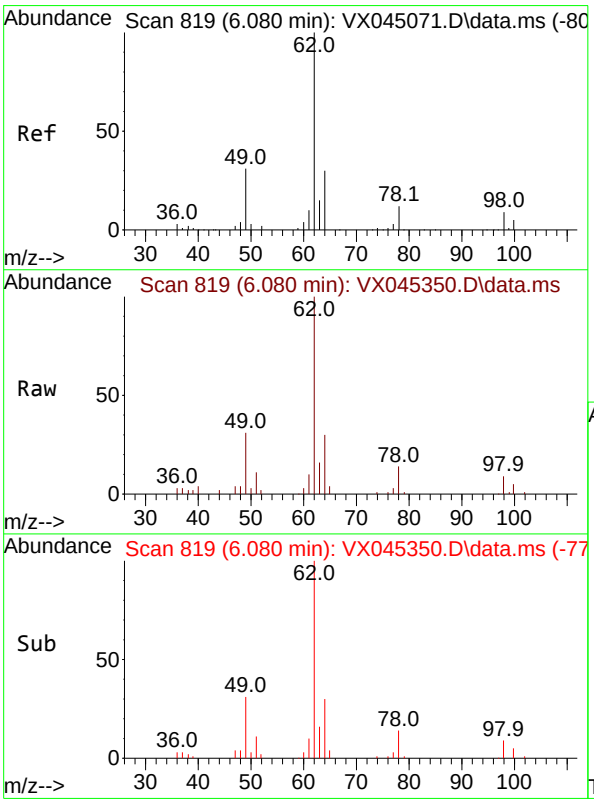
#41
Methacrylonitrile
Concen: 21.777 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 41 Resp: 23443

Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	67.1	53.9	80.9
52	31.1	23.3	34.9

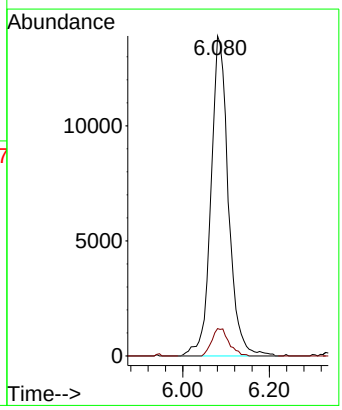


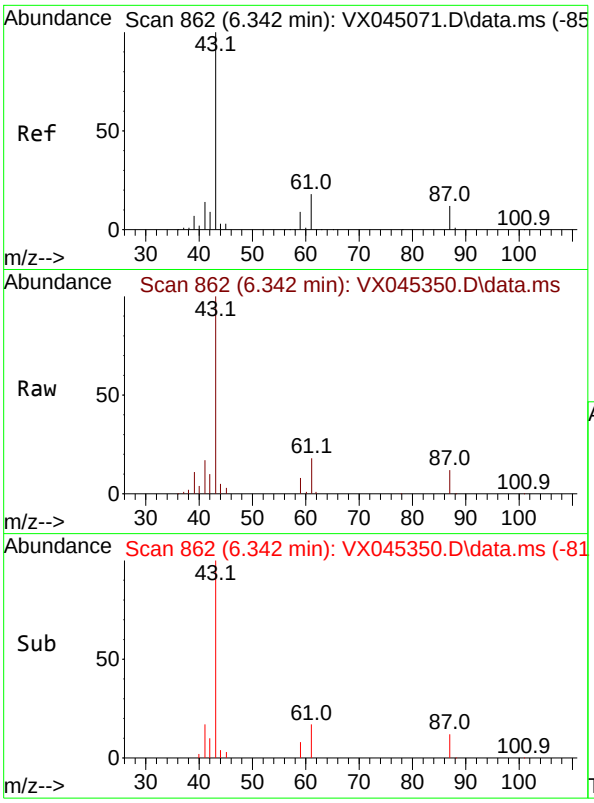


#42
1,2-Dichloroethane
Concen: 22.168 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 38946

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2



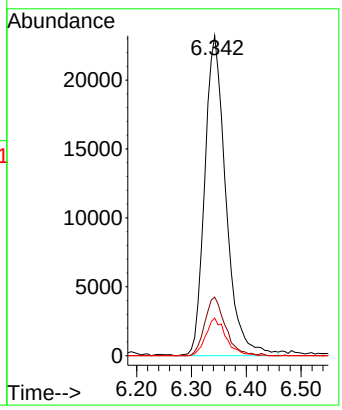


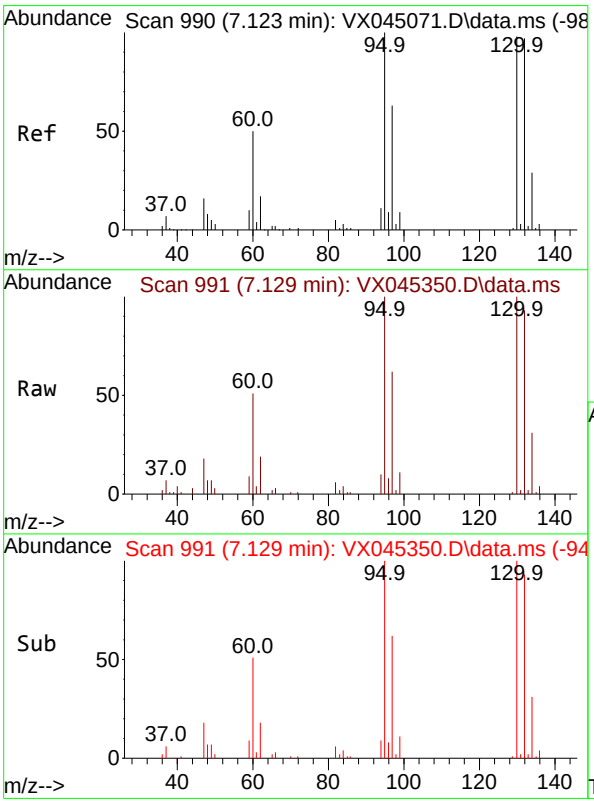
#43
Isopropyl Acetate
Concen: 21.091 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 62089

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.2	9.4	14.2

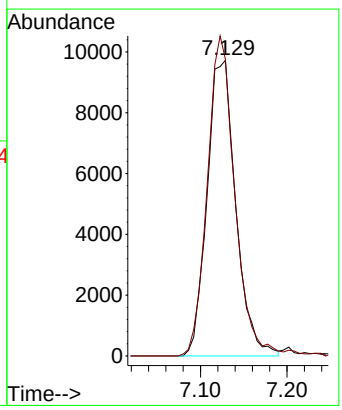


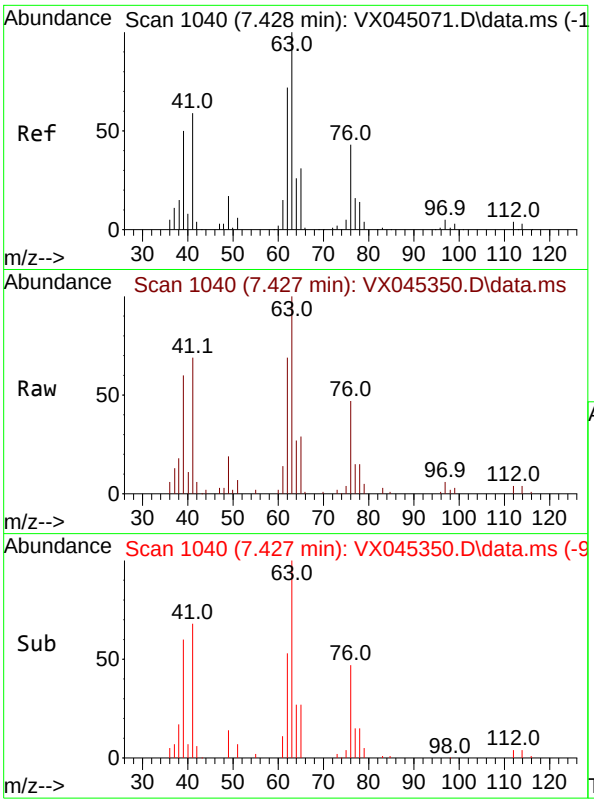


#44
Trichloroethene
Concen: 19.539 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:130 Resp: 22383

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



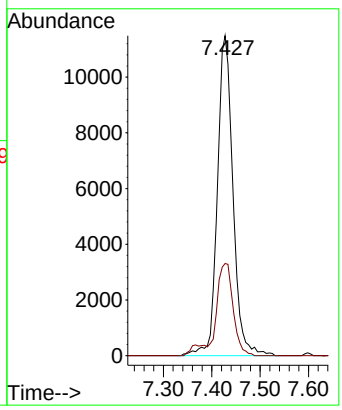


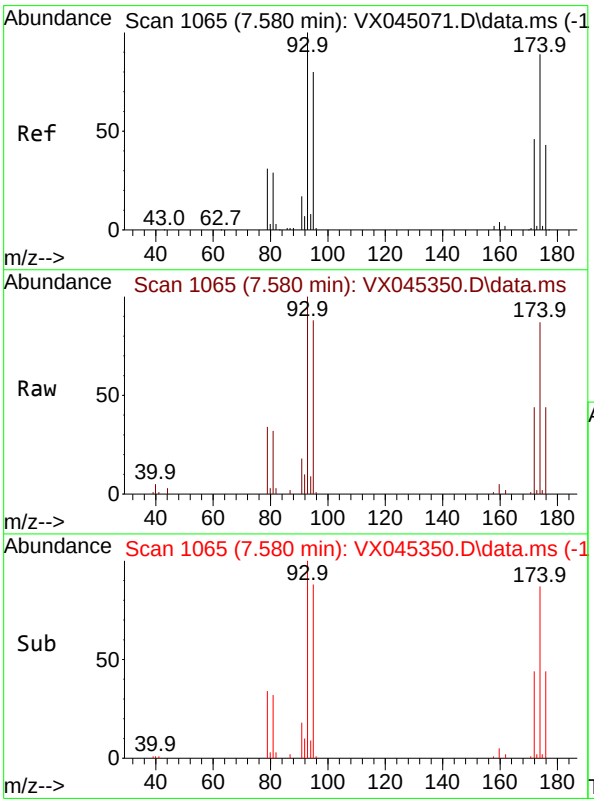
#45
1,2-Dichloropropane
Concen: 20.556 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 63 Resp: 25785

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1

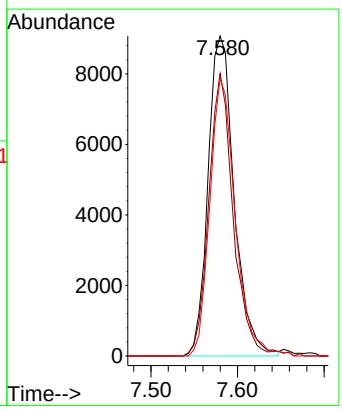


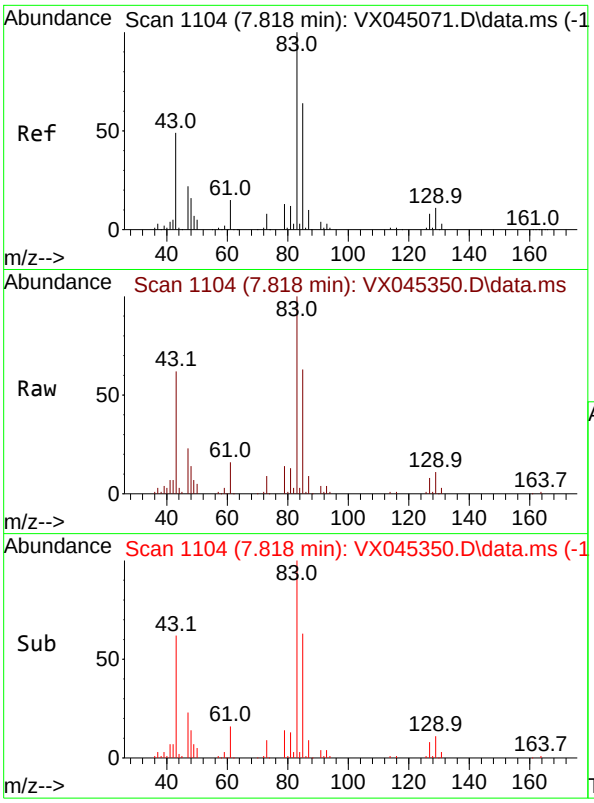


#46
Dibromomethane
Concen: 21.446 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 93 Resp: 19014

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.8
174	84.3	72.2	108.2



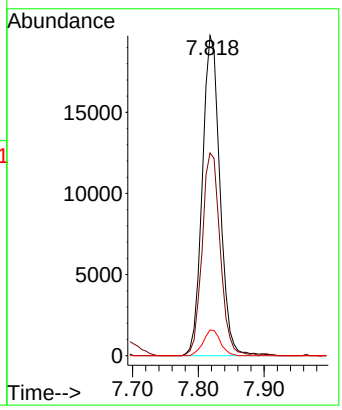


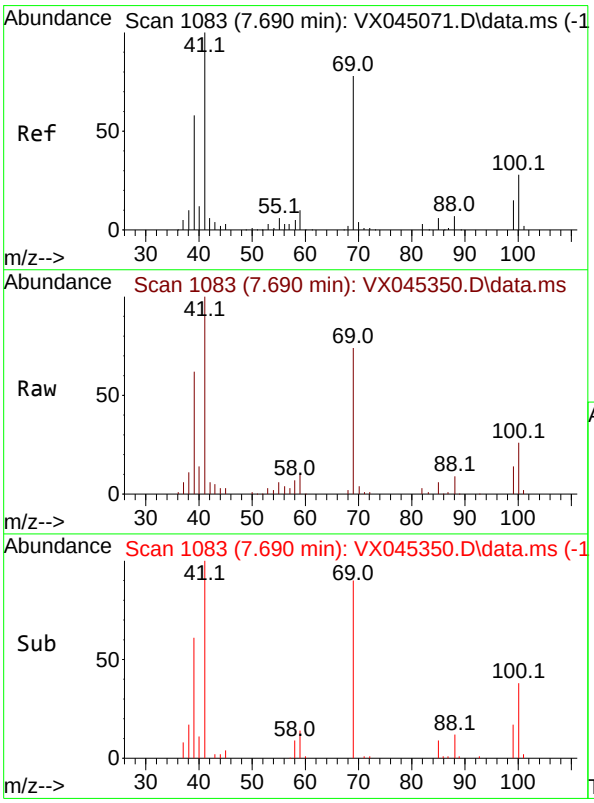
#47
Bromodichloromethane
Concen: 21.200 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 36869

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	8.1	6.4	9.6

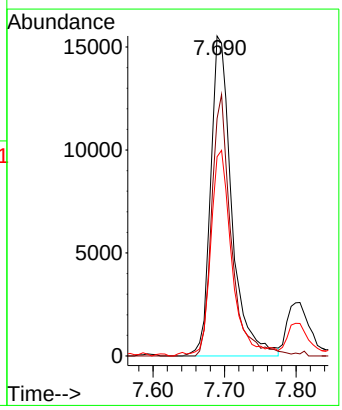


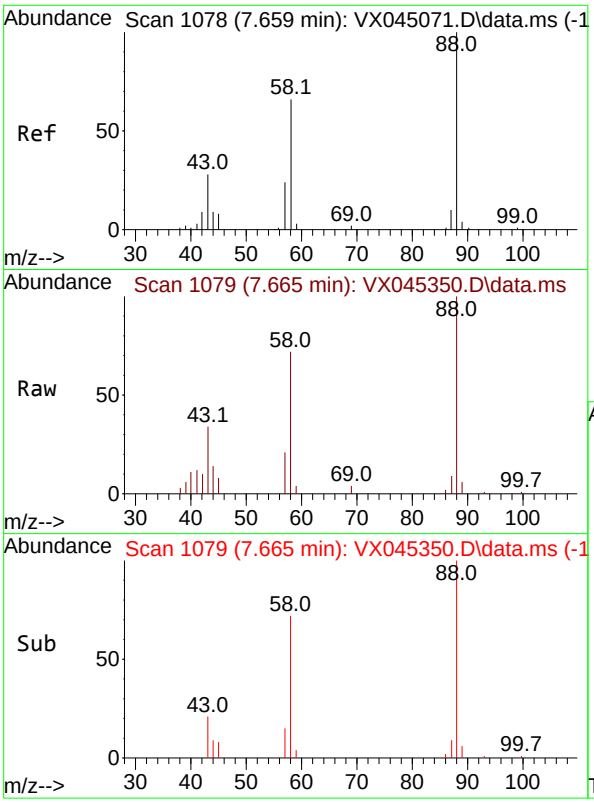


#48
Methyl methacrylate
Concen: 21.528 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 31795

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	62.4	47.5	71.3



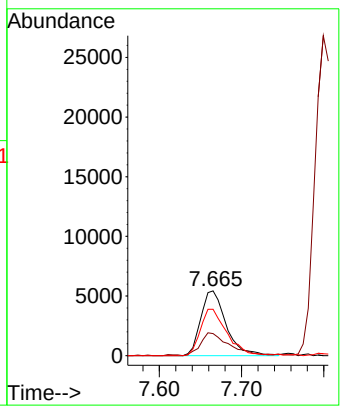


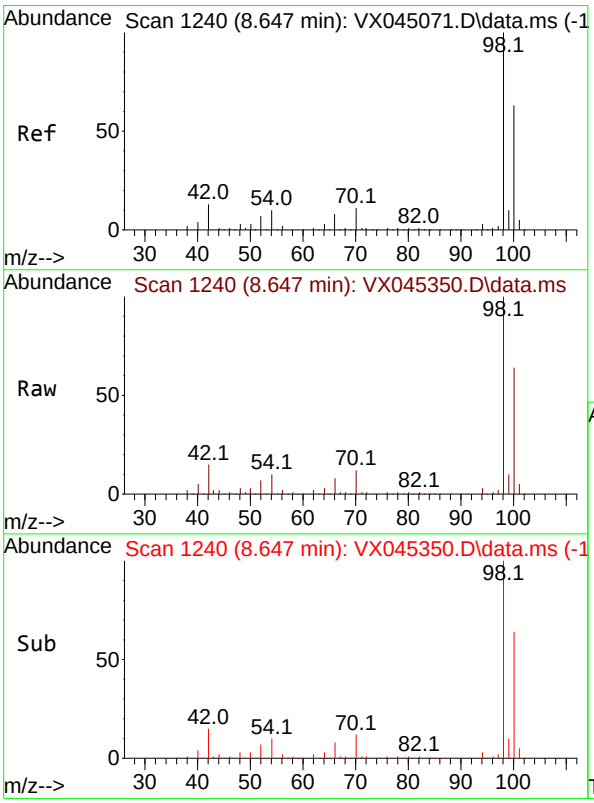
#49
1,4-Dioxane
Concen: 373.915 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 88 Resp: 11649

Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	75.6	55.8	83.8

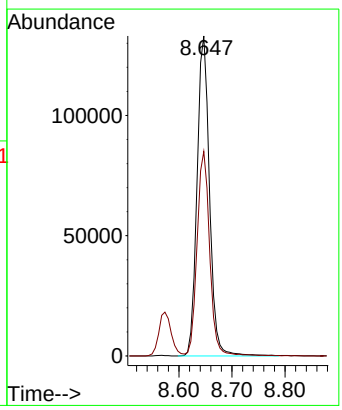


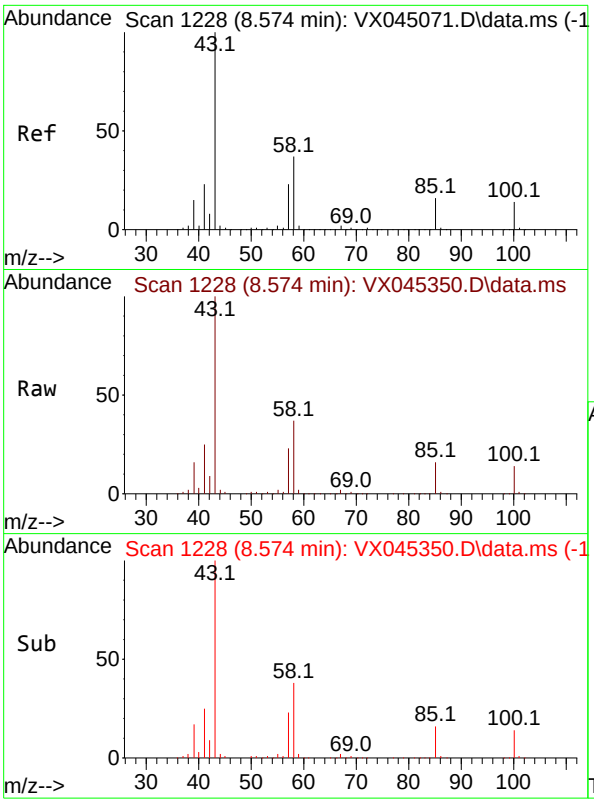


#50
Toluene-d8
Concen: 53.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 98 Resp: 217551

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



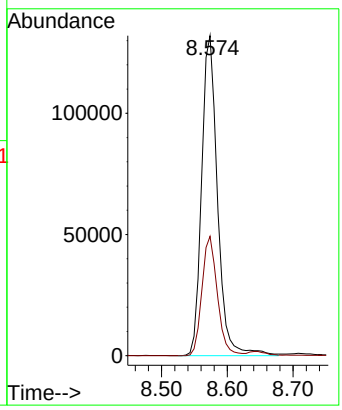


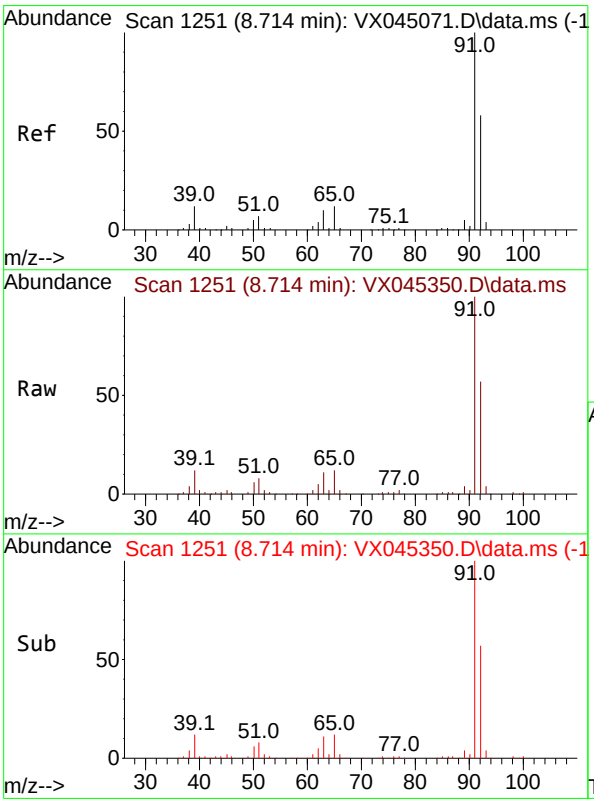
#51
4-Methyl-2-Pentanone
Concen: 112.487 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 222348

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

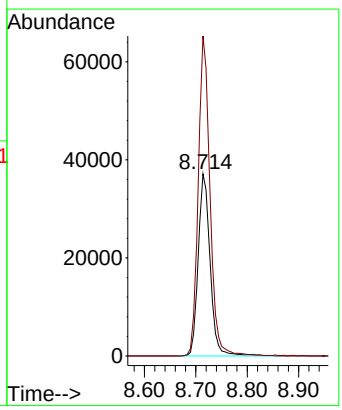


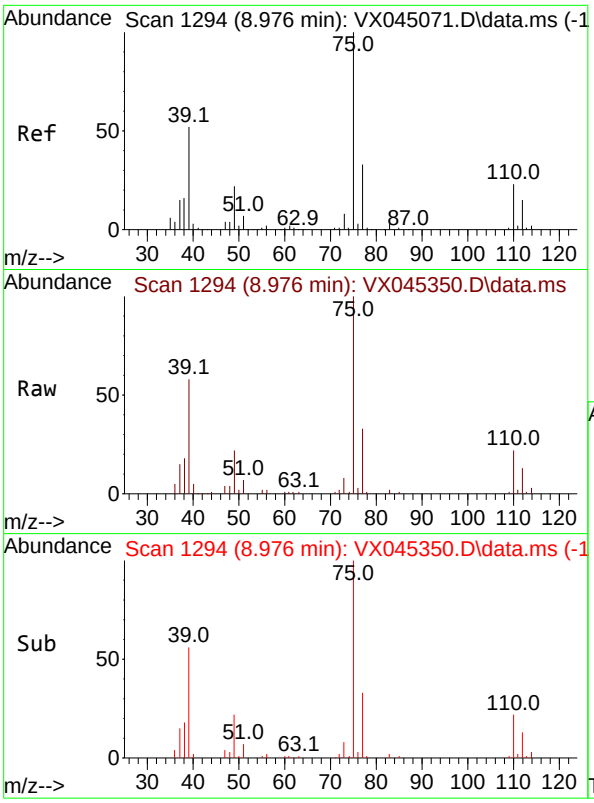


#52
Toluene
Concen: 20.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 92 Resp: 59792

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



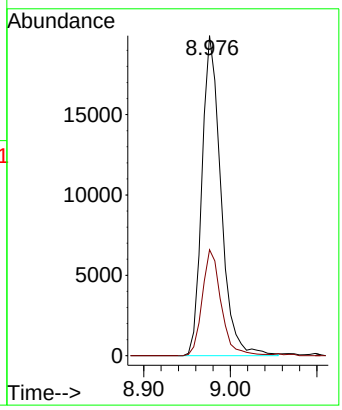


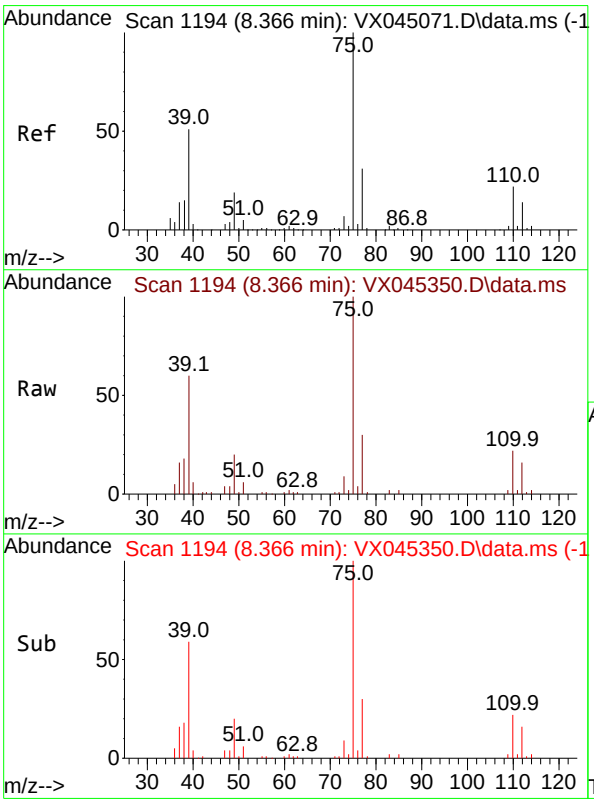
#53
t-1,3-Dichloropropene
Concen: 20.856 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 75 Resp: 30322

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

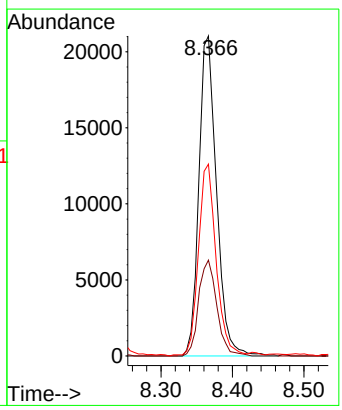


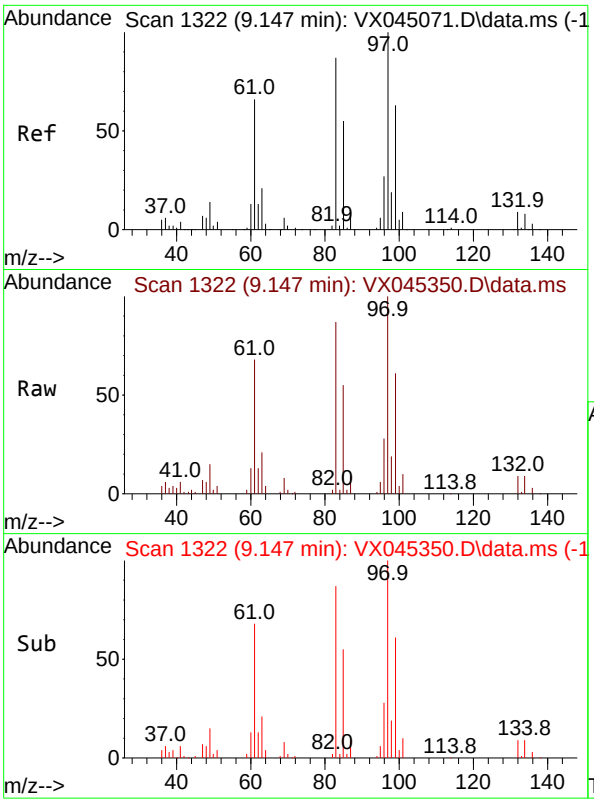


#54
cis-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 36016

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.6	40.7	61.1



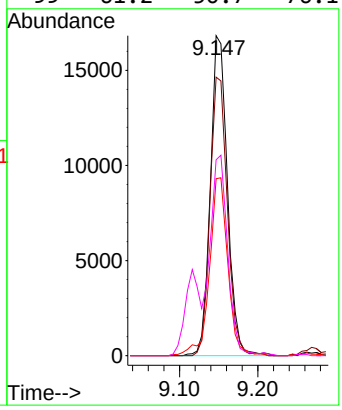


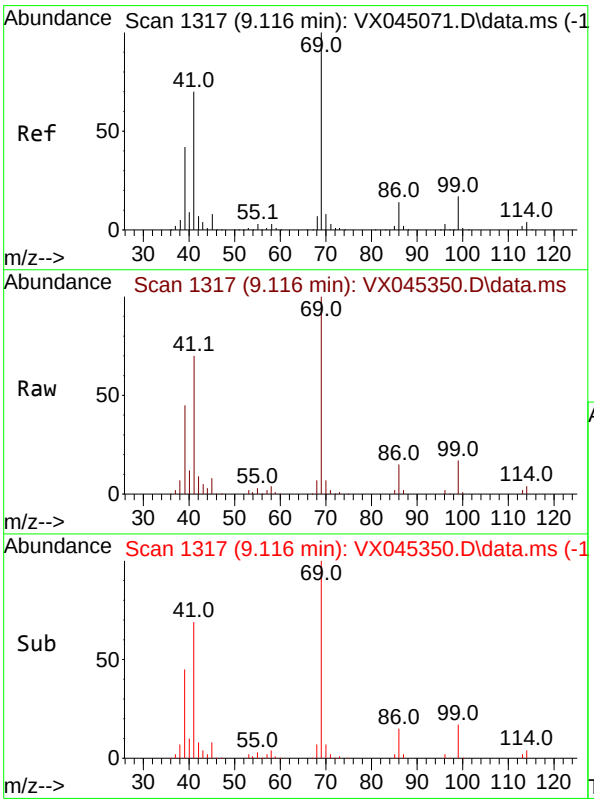
#55
1,1,2-Trichloroethane
Concen: 21.615 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 97 Resp: 25471

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	55.3	44.1	66.1
99	61.2	50.7	76.1

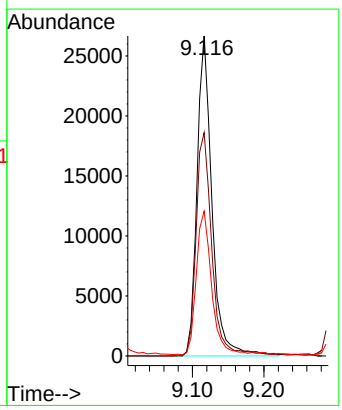


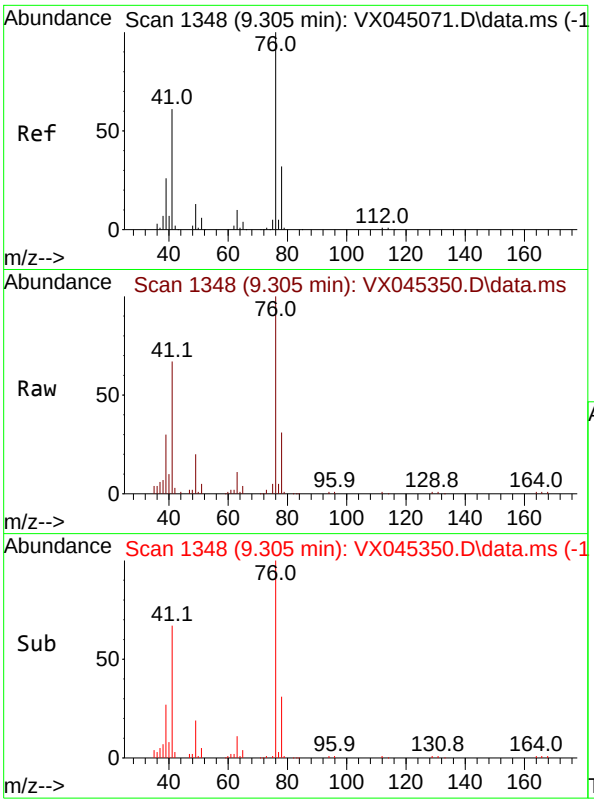


#56
Ethyl methacrylate
Concen: 21.557 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 69 Resp: 38614

Ion	Ratio	Lower	Upper
69	100		
41	74.4	57.0	85.4
39	45.4	34.2	51.4



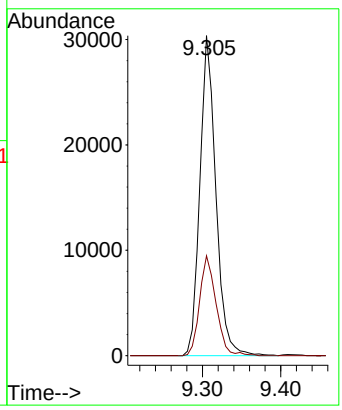


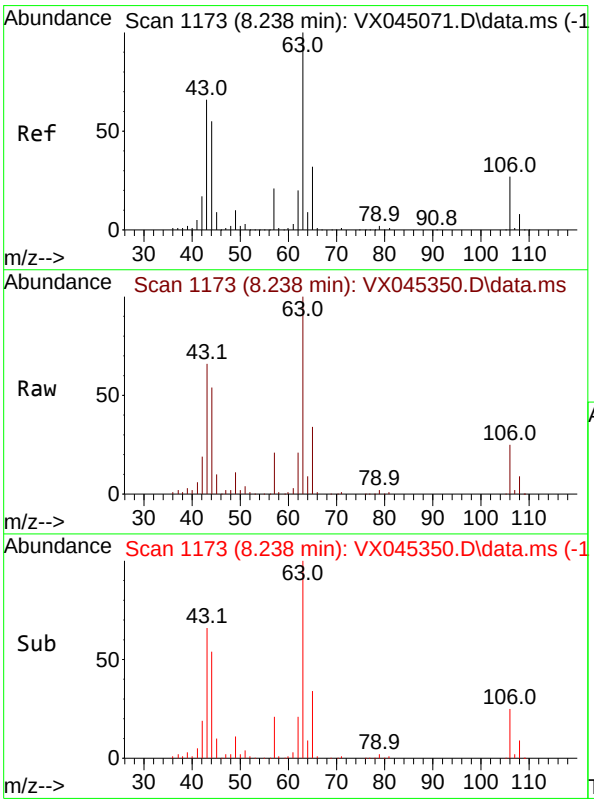
#57
1,3-Dichloropropane
Concen: 21.077 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 76 Resp: 42984

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

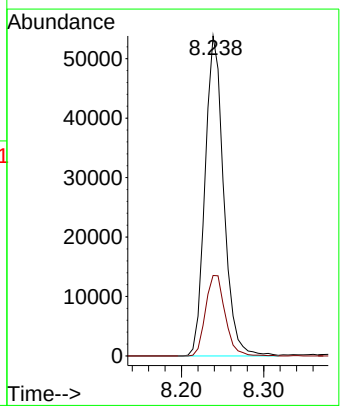


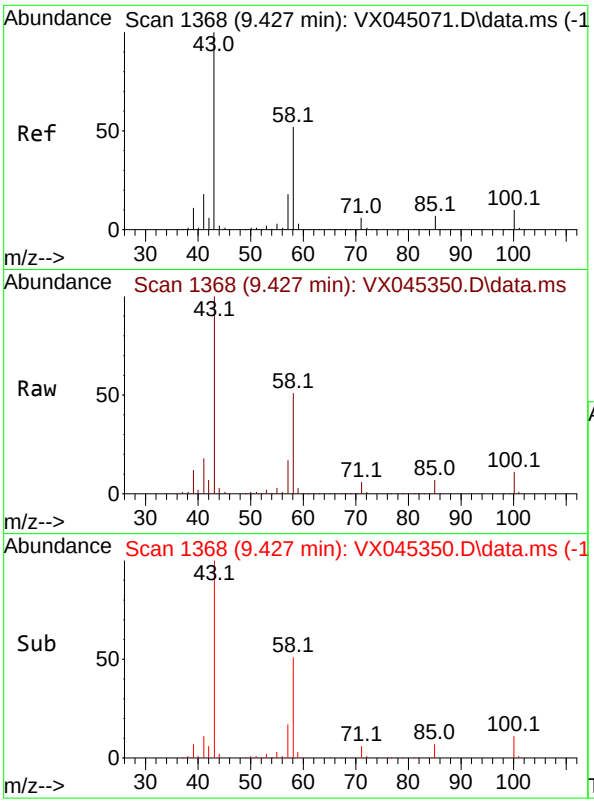


#58
2-Chloroethyl Vinyl ether
Concen: 97.136 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 84877

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



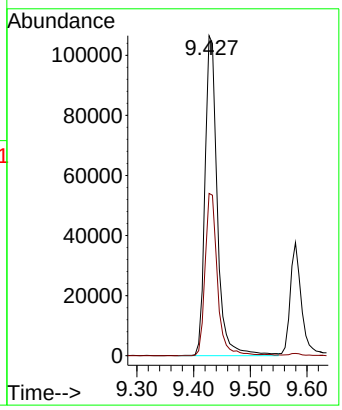


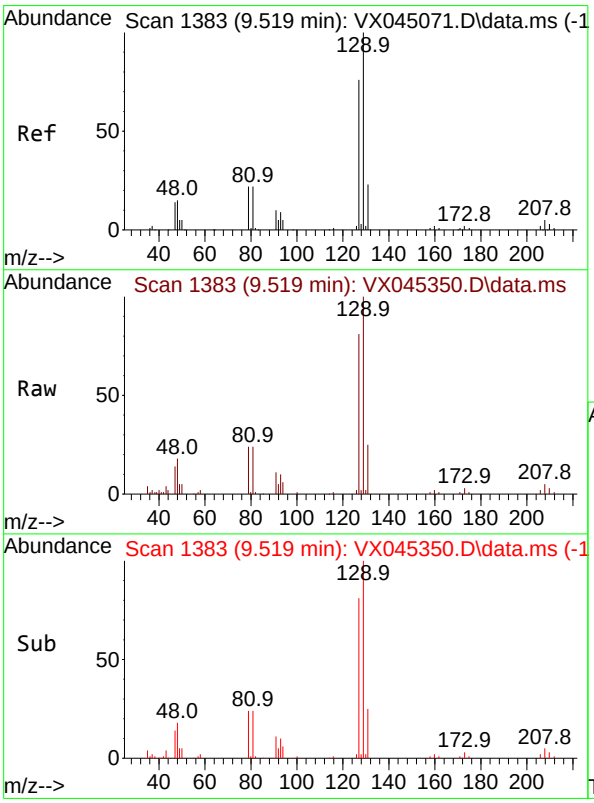
#59
2-Hexanone
Concen: 112.560 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 161205

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

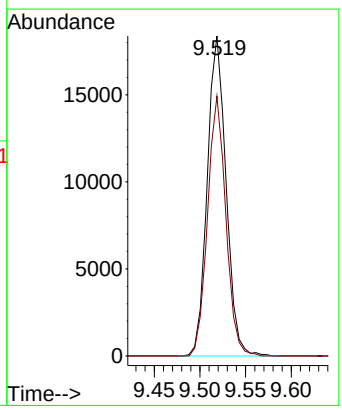


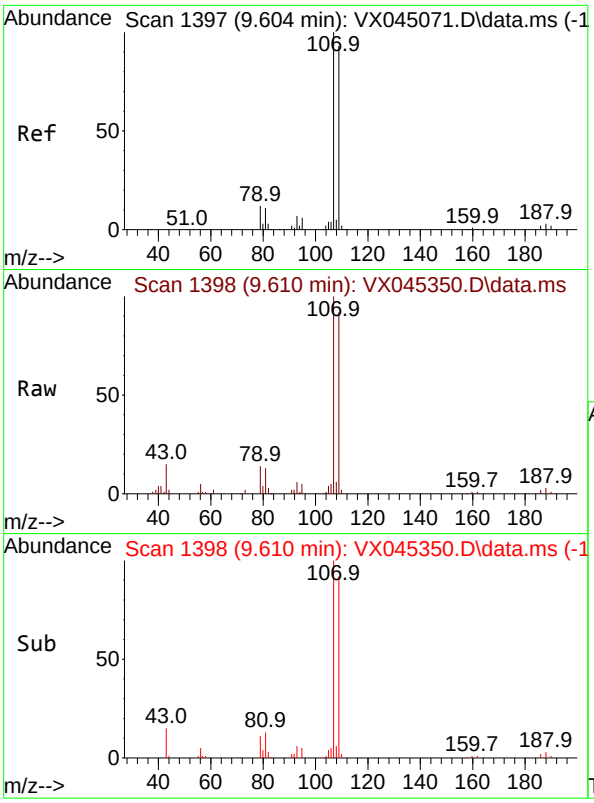


#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:129 Resp: 26339

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.5	115.5



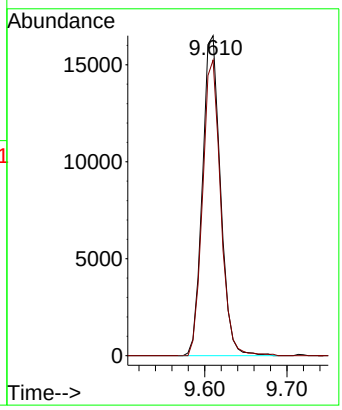


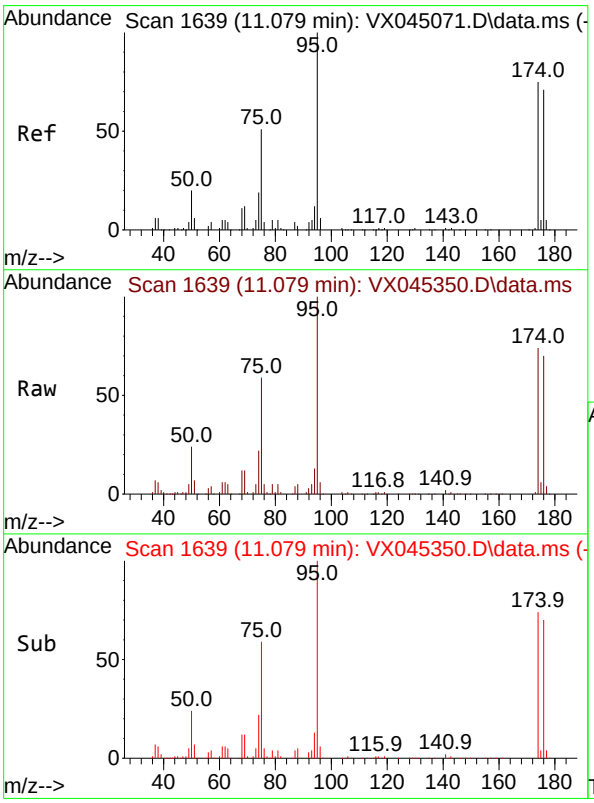
#61
1,2-Dibromoethane
Concen: 21.403 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:107 Resp: 25179

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1

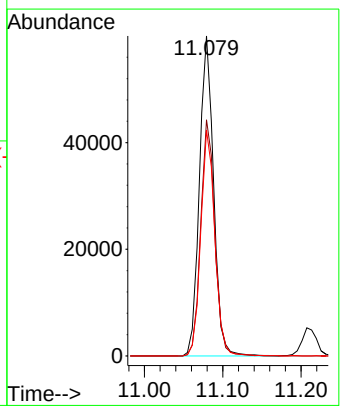


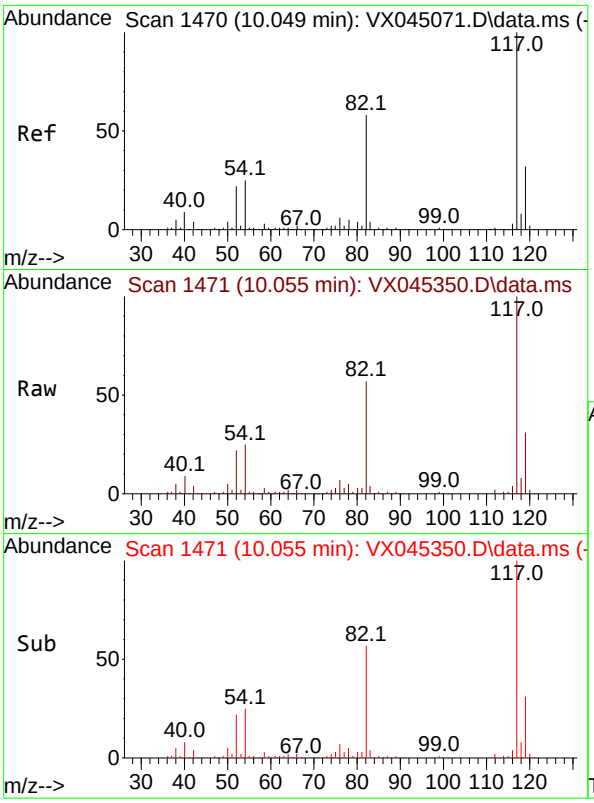


#62
4-Bromofluorobenzene
Concen: 55.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 95 Resp: 75333

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	70.2	0.0	141.4



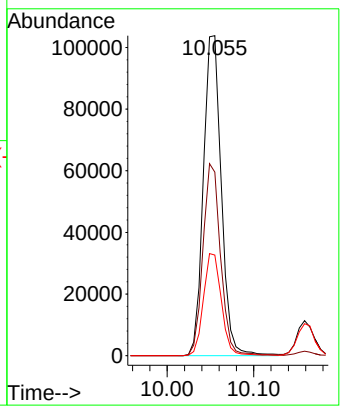


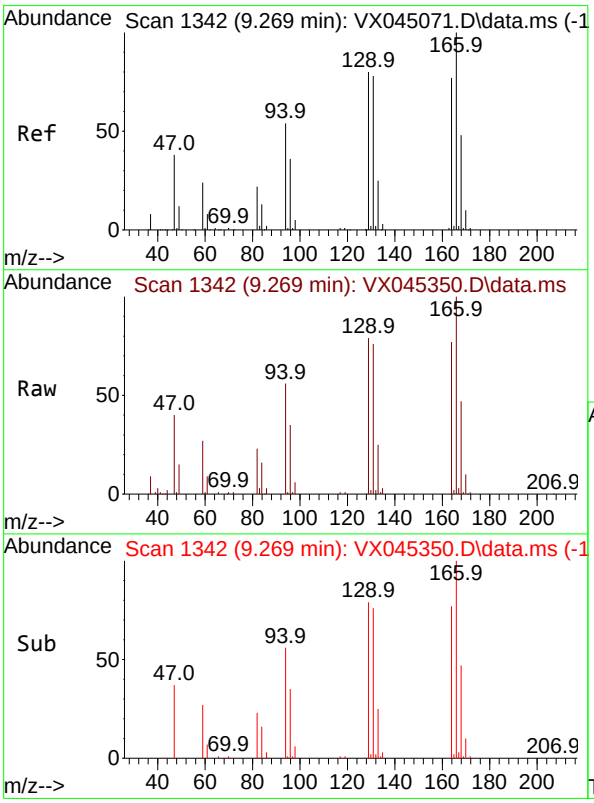
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:117 Resp: 149499

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.5	25.7	38.5

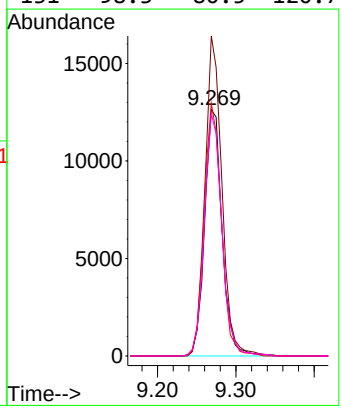


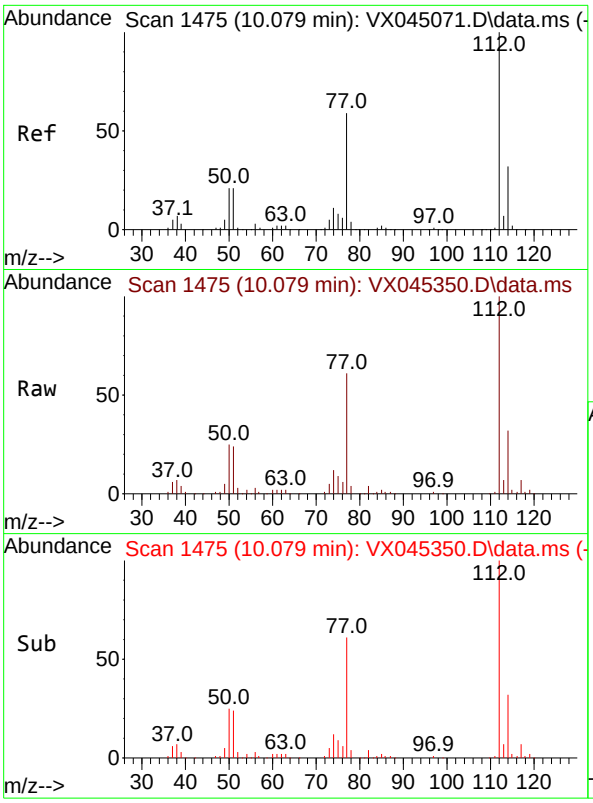


#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:164 Resp: 19550

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	102.5	82.7	124.1
131	98.3	80.5	120.7



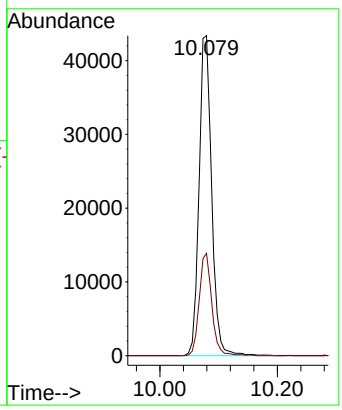


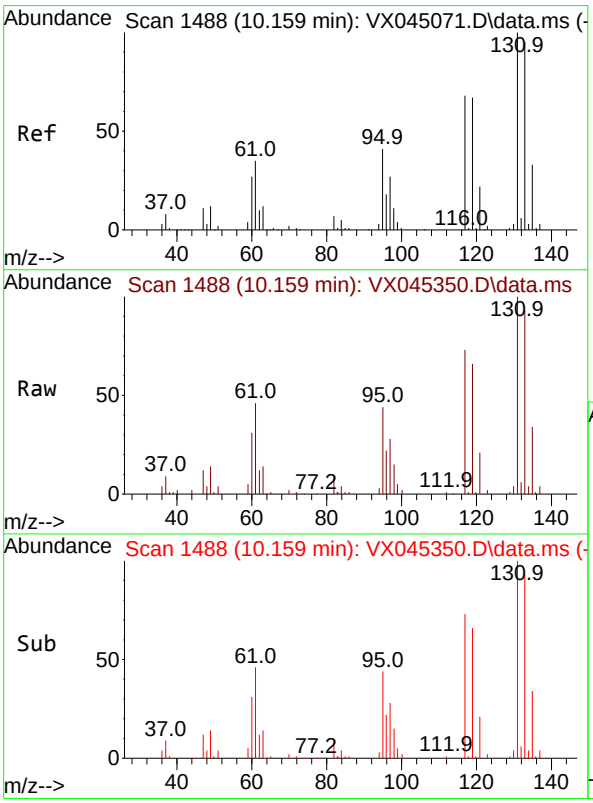
#65
Chlorobenzene
Concen: 20.437 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:112 Resp: 64649

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0

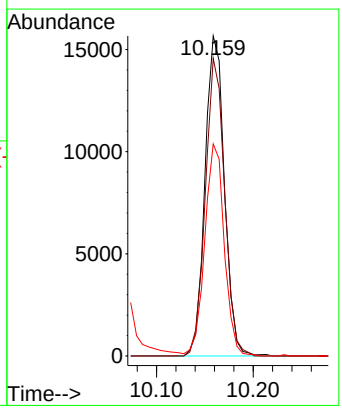


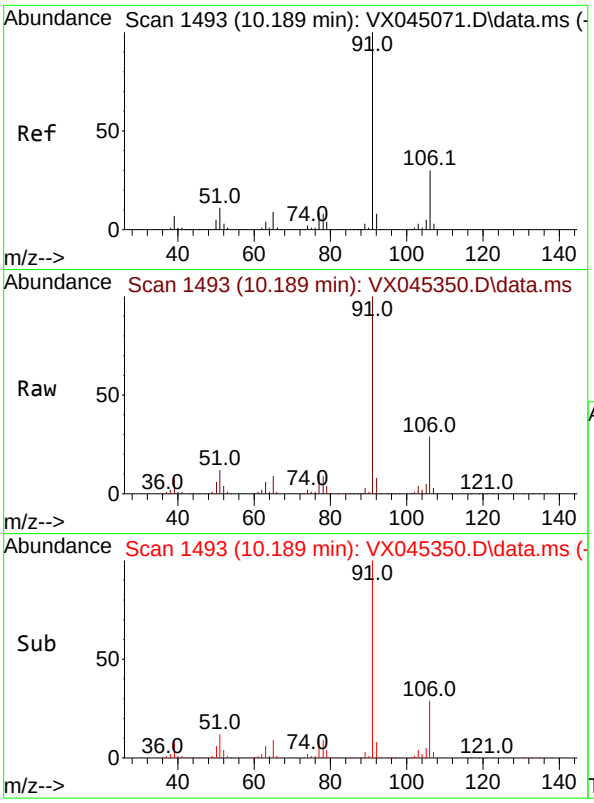


#66
1,1,1,2-Tetrachloroethane
Concen: 20.749 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:131 Resp: 21858

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.5	33.9	101.7



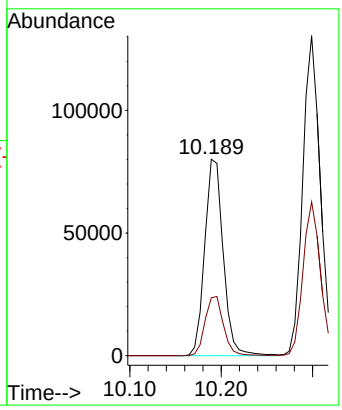


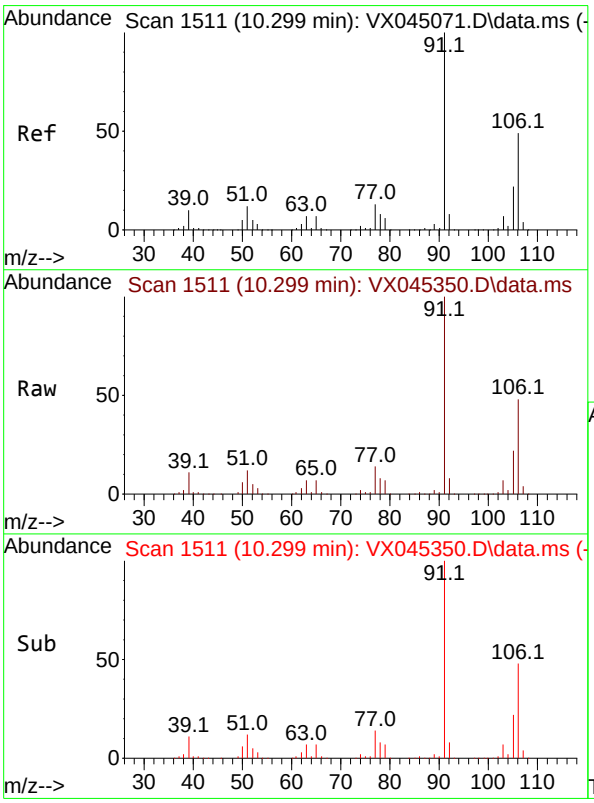
#67
Ethyl Benzene
Concen: 20.445 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 112693

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

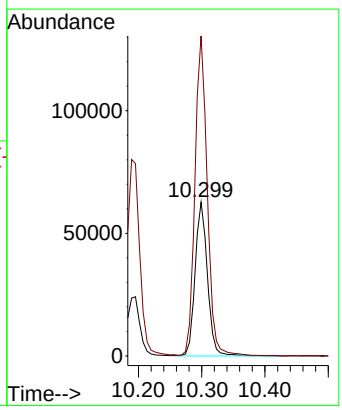


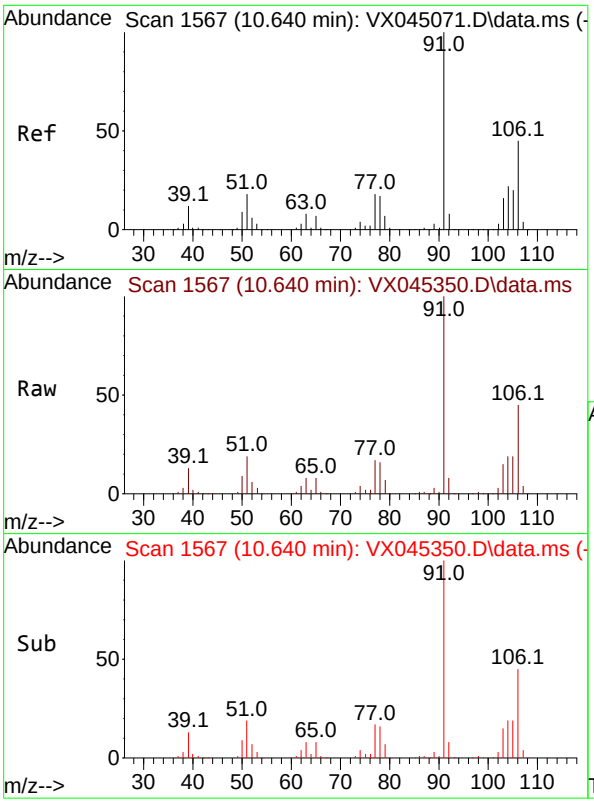


#68
m/p-Xylenes
Concen: 42.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 85116

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0



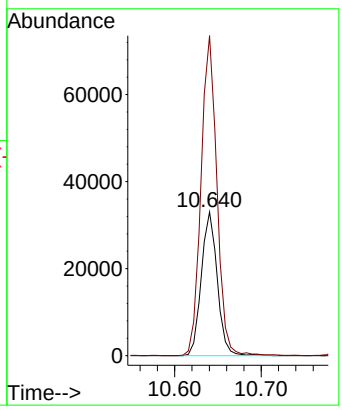


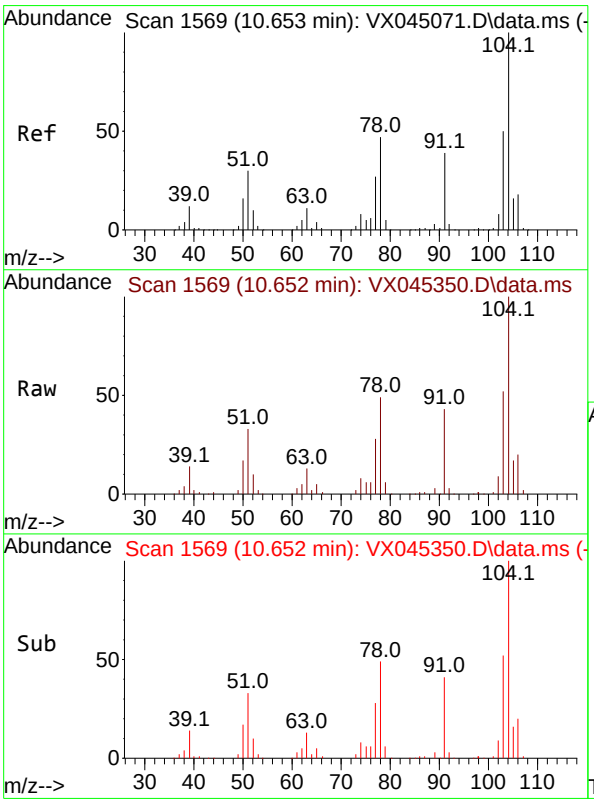
#69
o-Xylene
Concen: 20.699 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:106 Resp: 42125

Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6

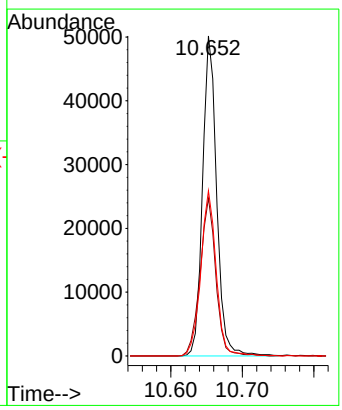


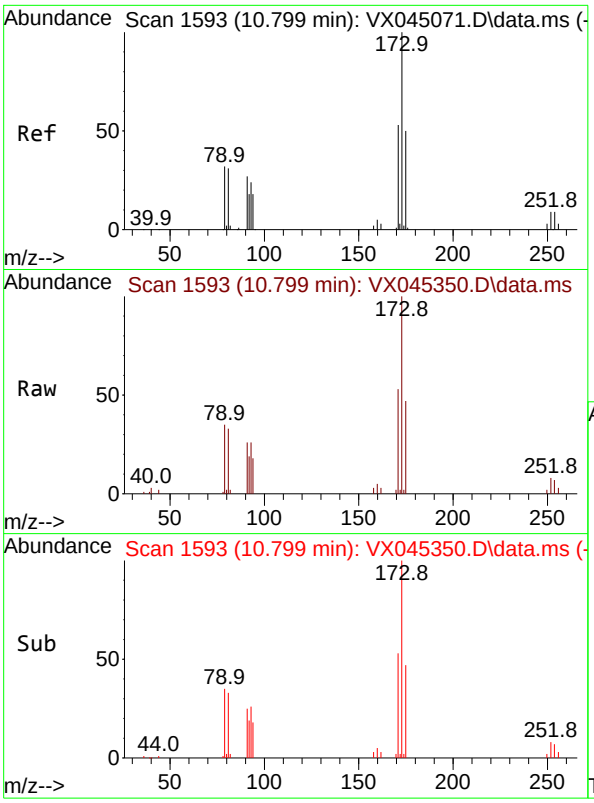


#70
Styrene
Concen: 20.888 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:104 Resp: 68782

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	56.5	43.8	65.8



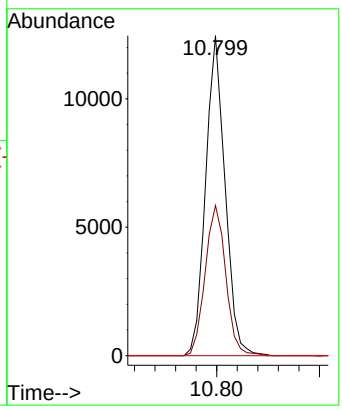


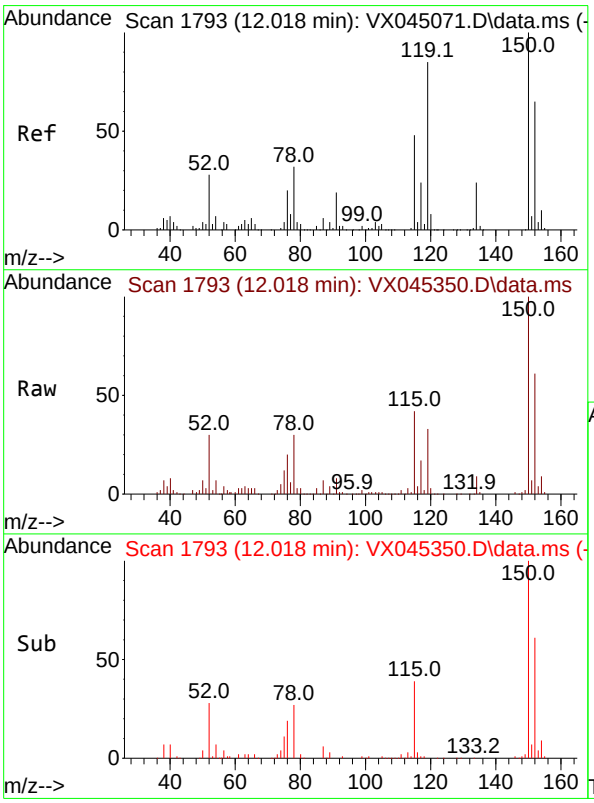
#71
Bromoform
Concen: 20.565 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:173 Resp: 16337

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.6
254	0.0	0.0	0.0

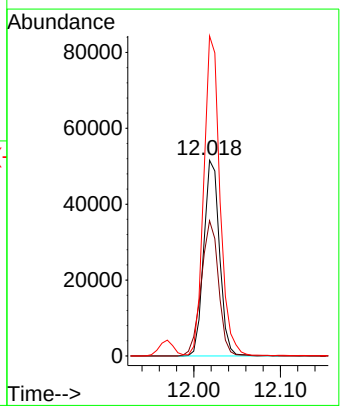


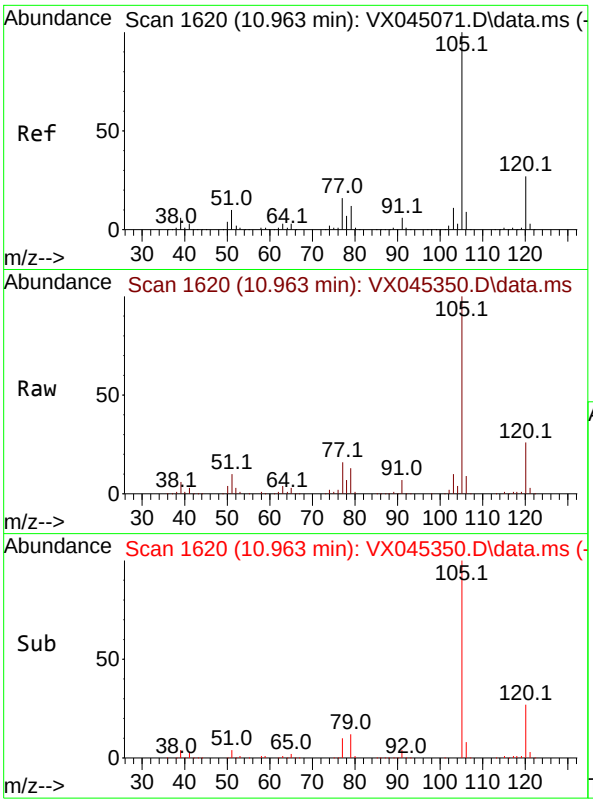


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:152 Resp: 65210

Ion	Ratio	Lower	Upper
152	100		
115	75.6	44.2	132.6
150	167.0	0.0	349.0



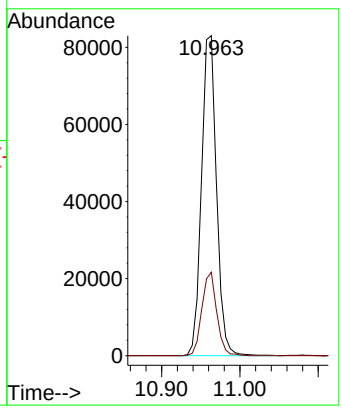


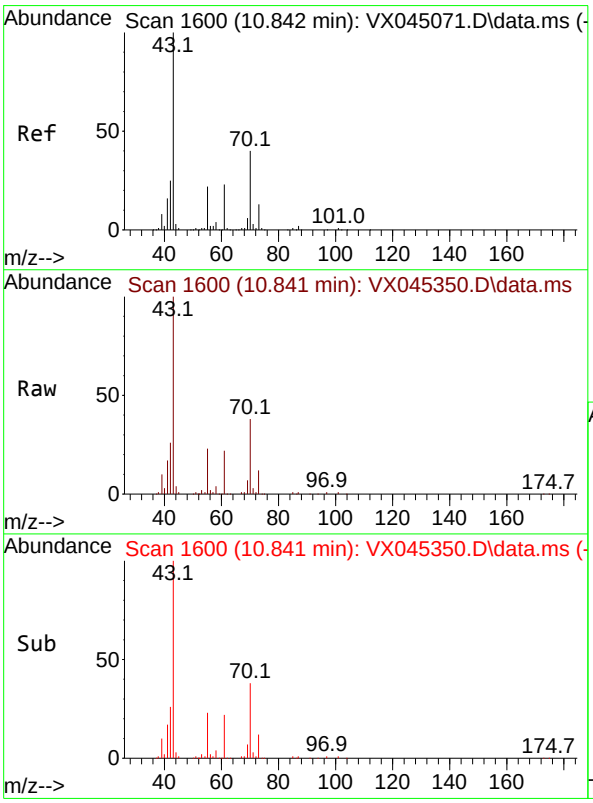
#73
Isopropylbenzene
Concen: 21.707 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:105 Resp: 110486

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

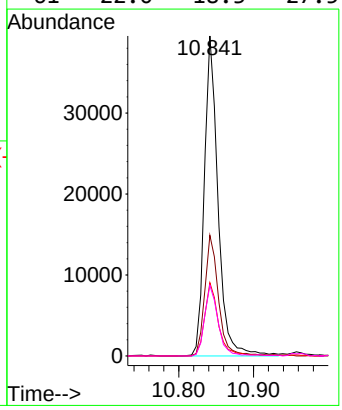


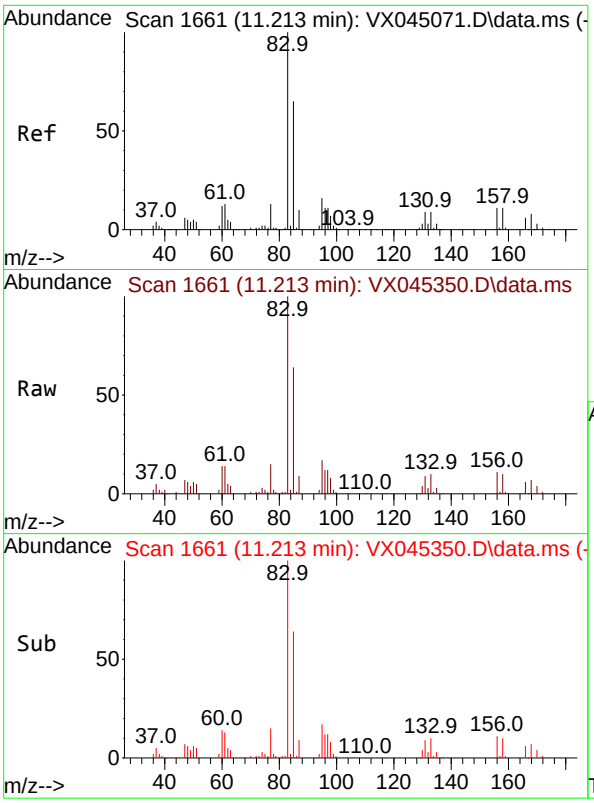


#74
N-amyl acetate
Concen: 20.996 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 50145

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	23.2	18.3	27.5
61	22.0	18.3	27.5



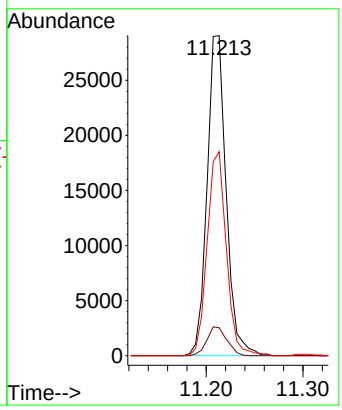


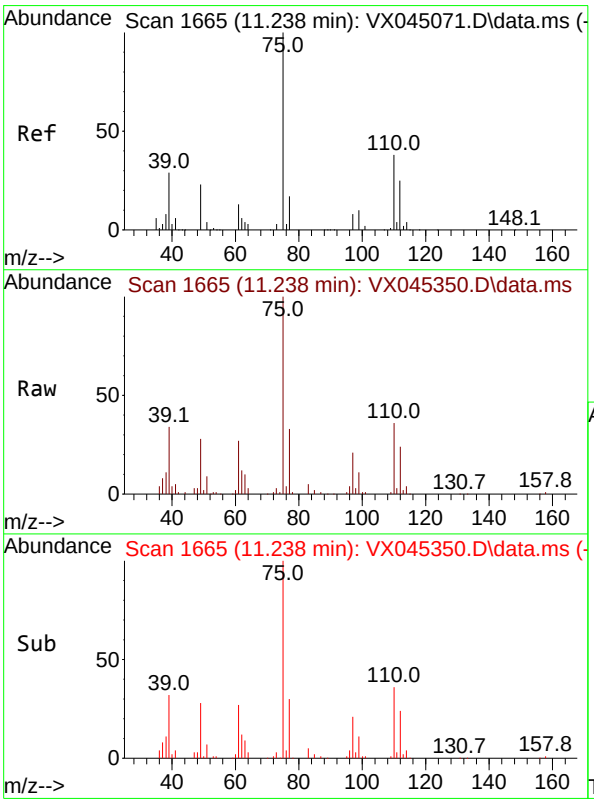
#75
1,1,2,2-Tetrachloroethane
Concen: 21.363 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 39901

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1

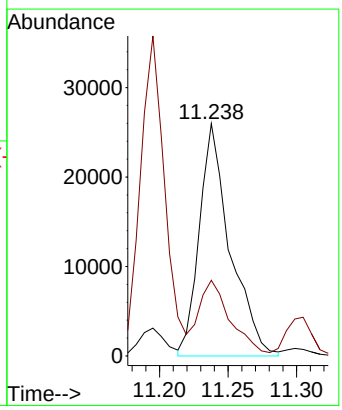


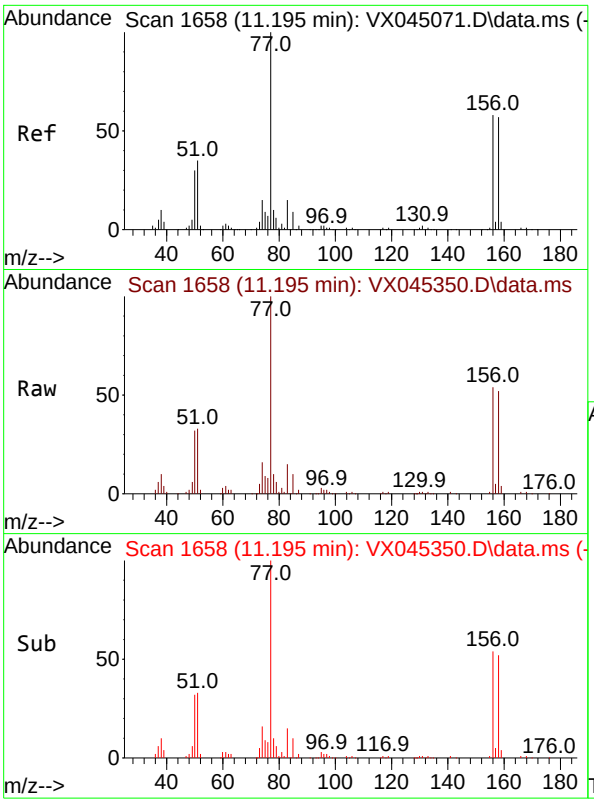


#76
1,2,3-Trichloropropane
Concen: 26.773 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 40635

Ion	Ratio	Lower	Upper
75	100		
77	33.6	20.7	62.1



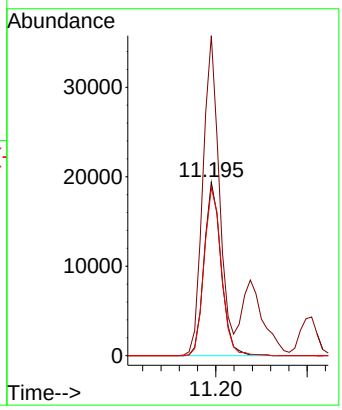


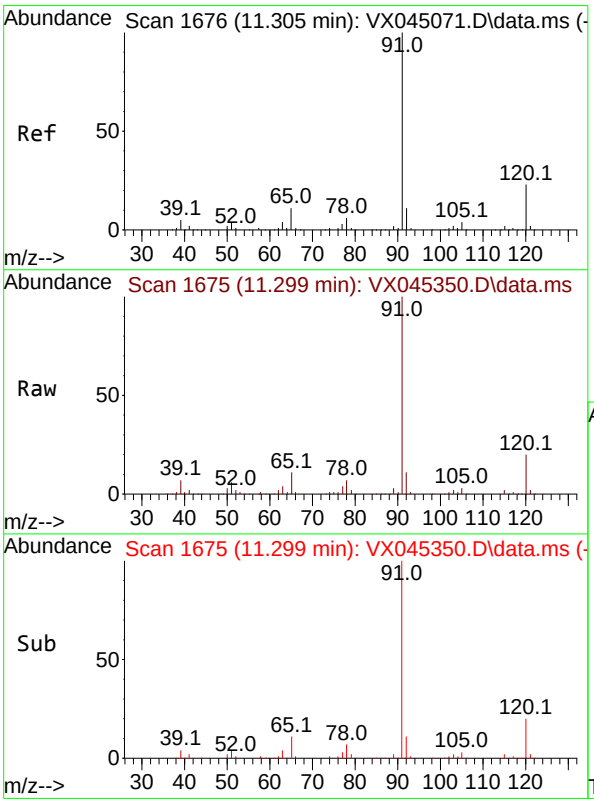
#77
Bromobenzene
Concen: 20.758 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:156 Resp: 24928

Ion	Ratio	Lower	Upper
156	100		
77	179.0	85.8	257.4
158	98.4	48.4	145.2

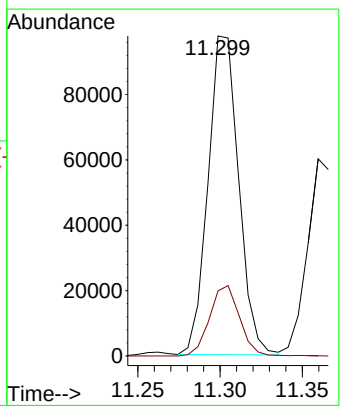


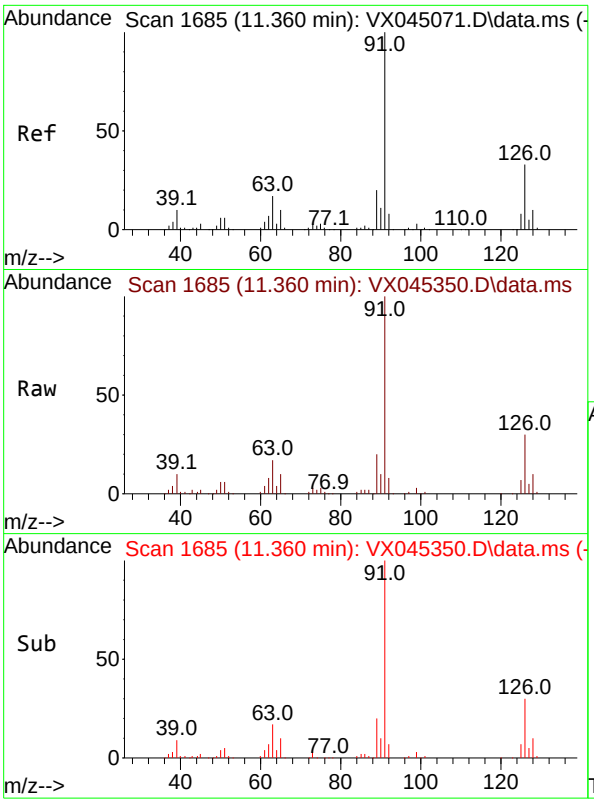


#78
n-propylbenzene
Concen: 22.004 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 126518

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



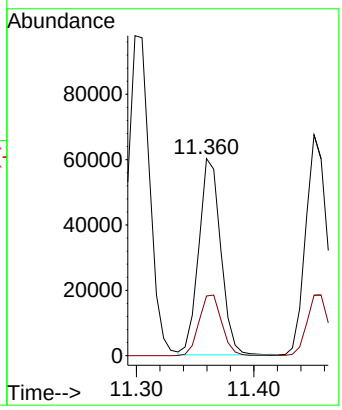


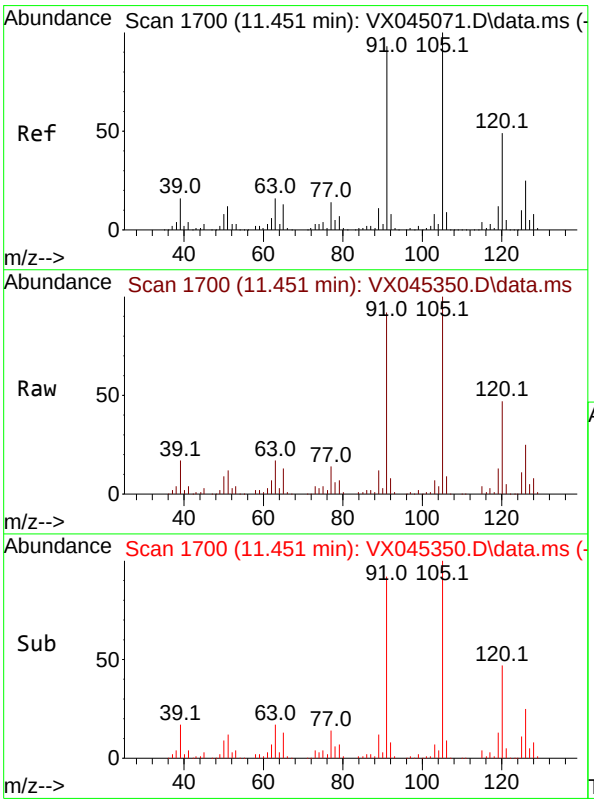
#79
2-Chlorotoluene
Concen: 21.386 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 78311

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4

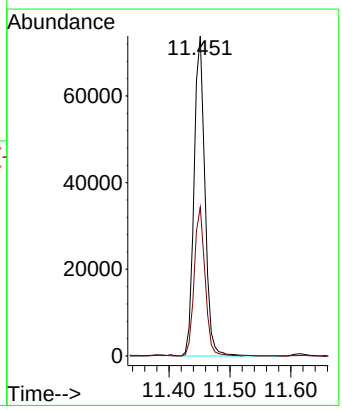


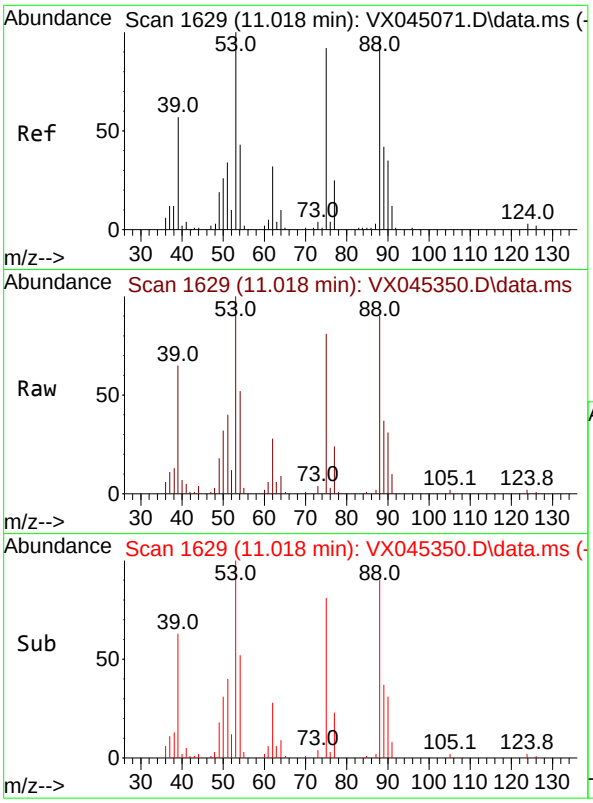


#80
1,3,5-Trimethylbenzene
Concen: 22.175 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 91263

Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2



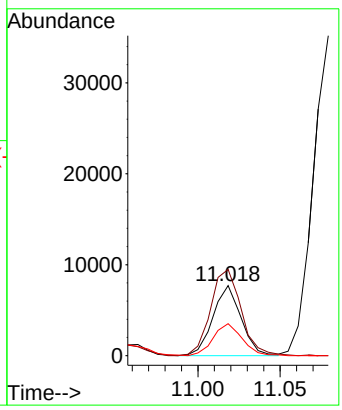


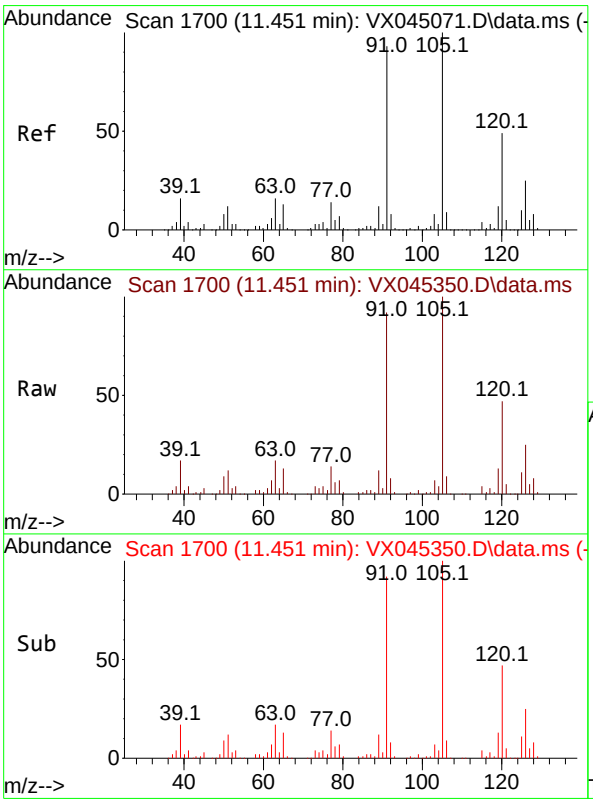
#81
trans-1,4-Dichloro-2-butene
Concen: 20.800 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 75 Resp: 9225

Ion	Ratio	Lower	Upper
75	100		
53	133.1	88.5	132.7#
89	46.5	36.2	54.4

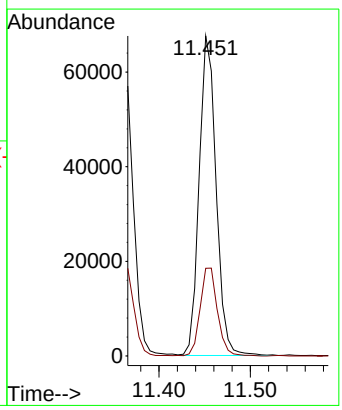


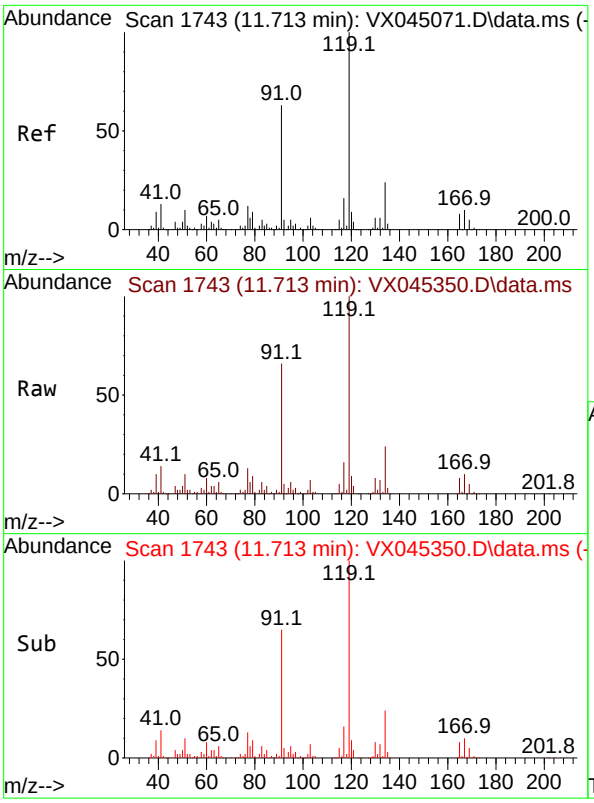


#82
4-Chlorotoluene
Concen: 21.721 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 86685

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4



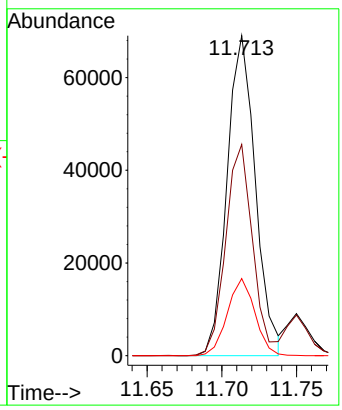


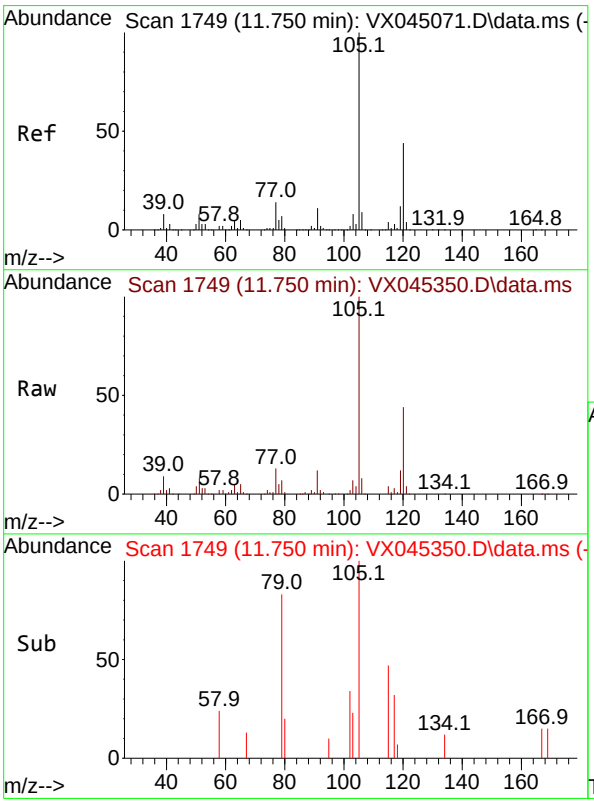
#83
tert-Butylbenzene
Concen: 21.535 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:119 Resp: 91062

Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.7	92.1
134	23.5	11.7	35.0

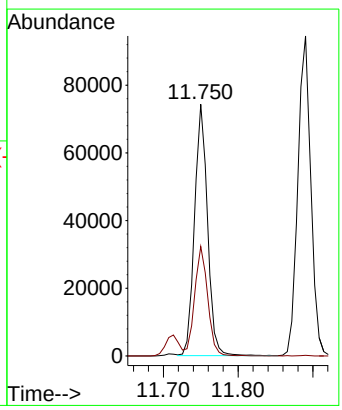


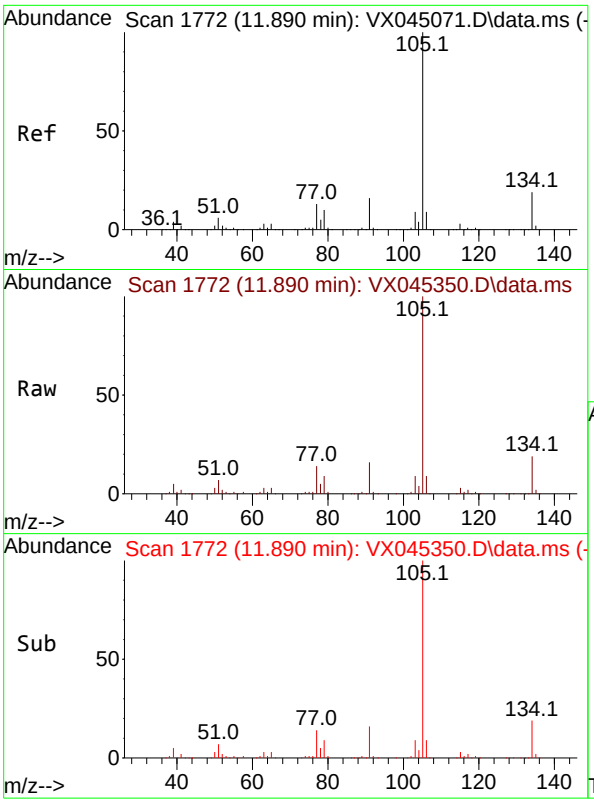


#84
1,2,4-Trimethylbenzene
Concen: 21.617 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 89517

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



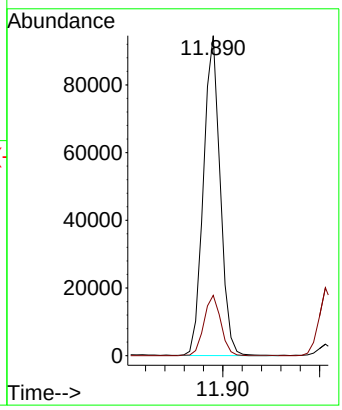


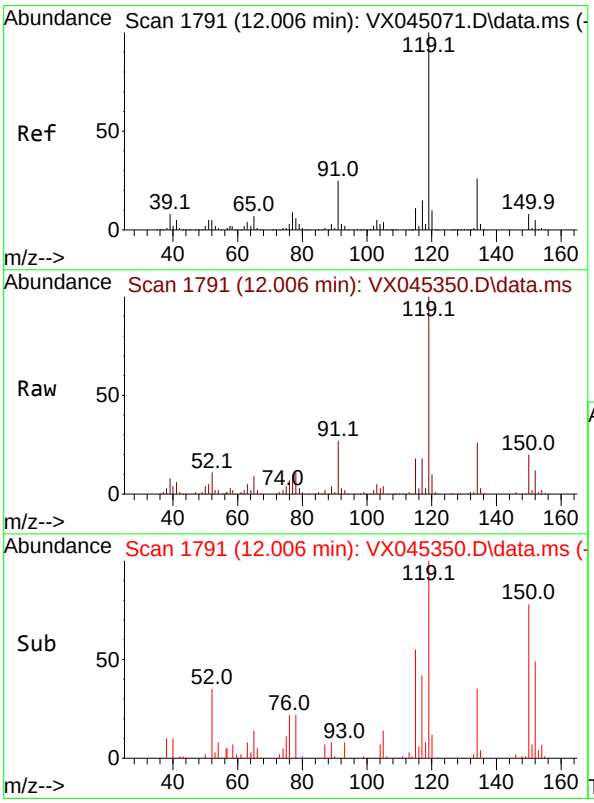
#85
sec-Butylbenzene
Concen: 22.499 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:105 Resp: 113963

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

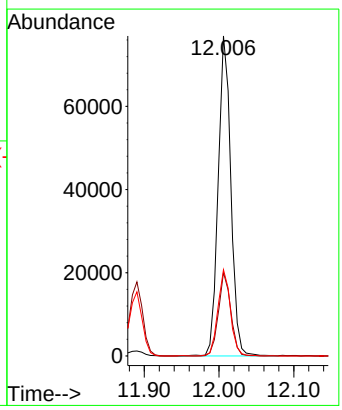


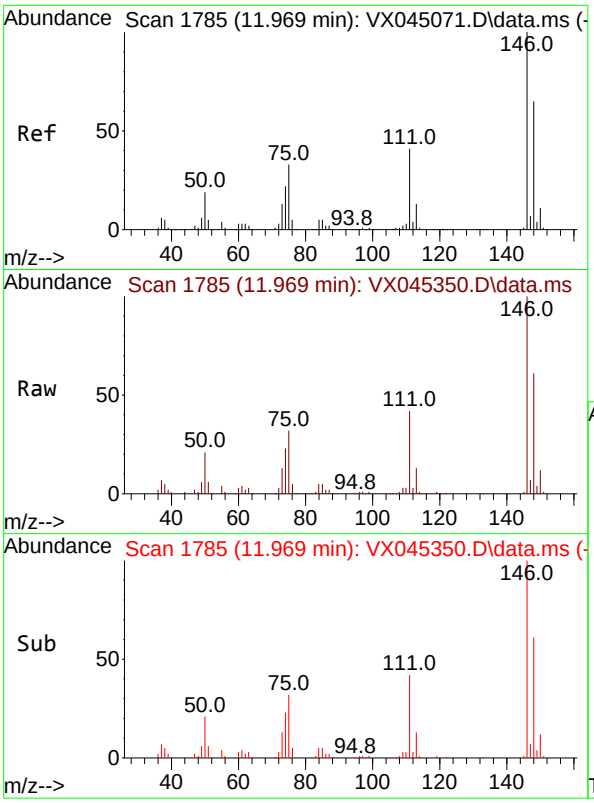


#86
p-Isopropyltoluene
Concen: 22.123 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 90559

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.7	12.7	38.0



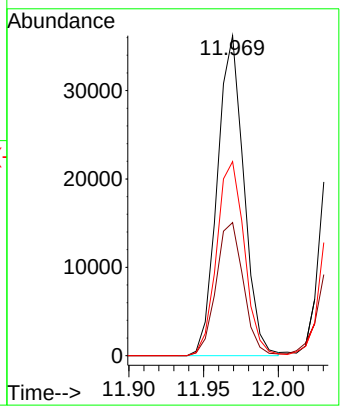


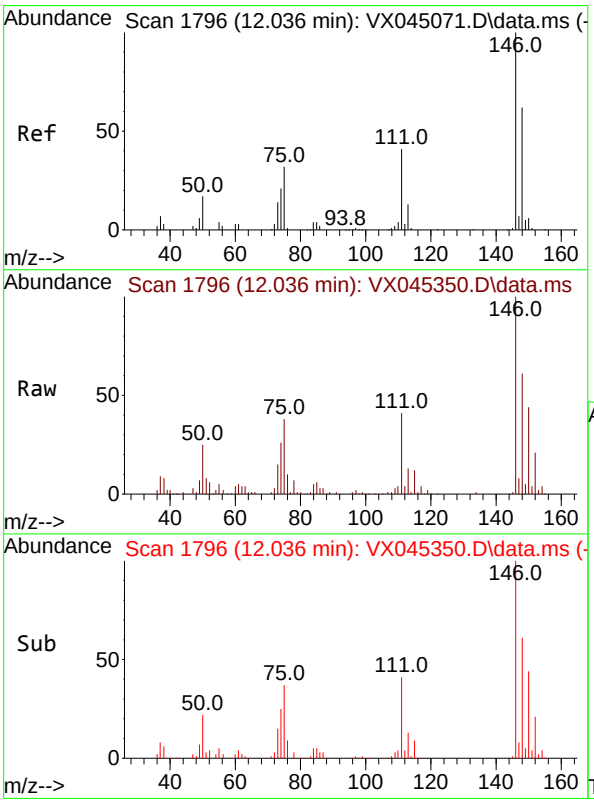
#87
1,3-Dichlorobenzene
Concen: 20.853 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:146 Resp: 44674

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.9	95.7

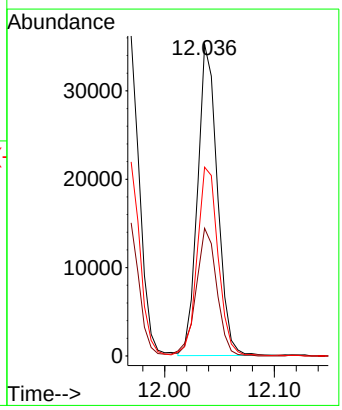


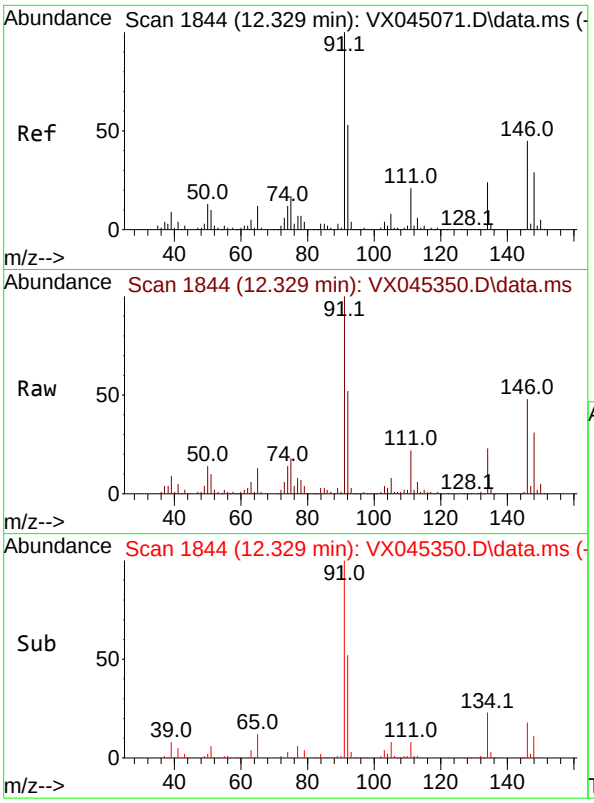


#88
1,4-Dichlorobenzene
Concen: 20.434 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 44289

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.2	60.5
148	63.9	31.9	95.9



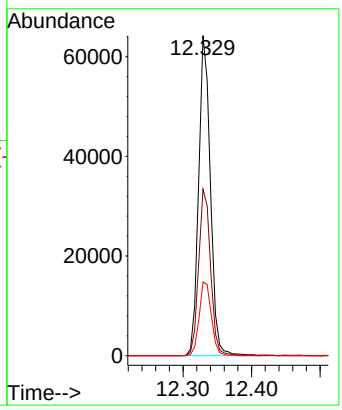


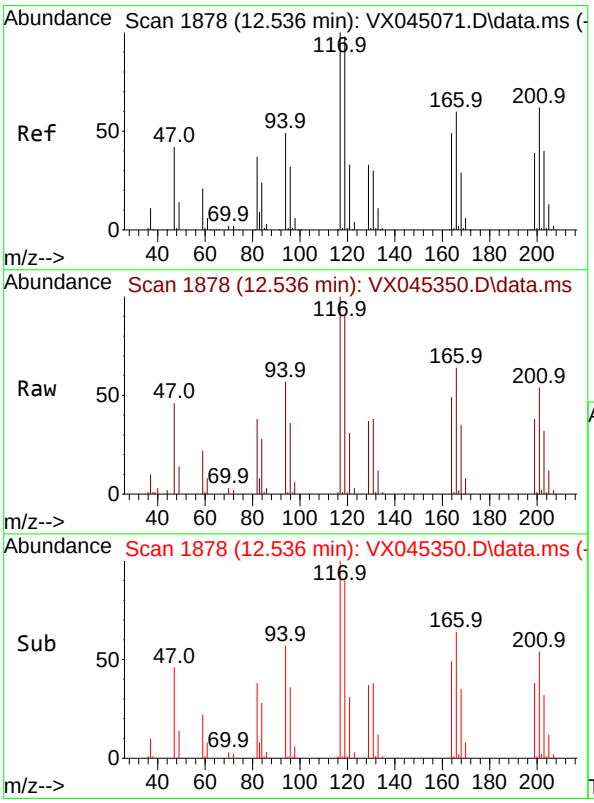
#89
n-Butylbenzene
Concen: 21.789 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 76819

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.0
134	23.8	12.2	36.6

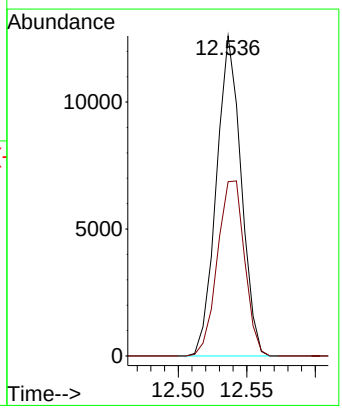


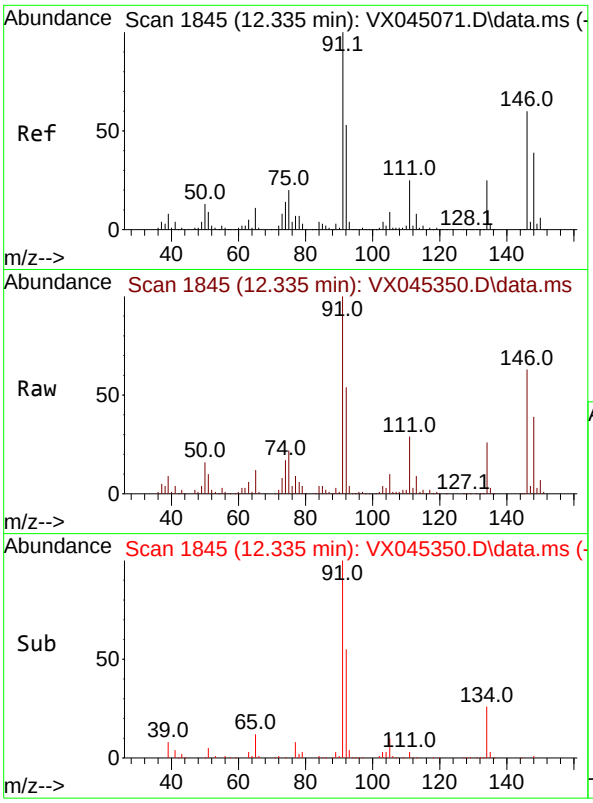


#90
Hexachloroethane
Concen: 21.372 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 15824

Ion	Ratio	Lower	Upper
117	100		
201	60.3	31.9	95.9



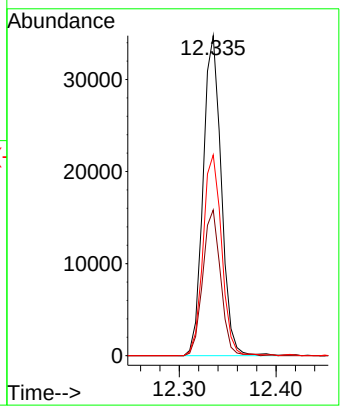


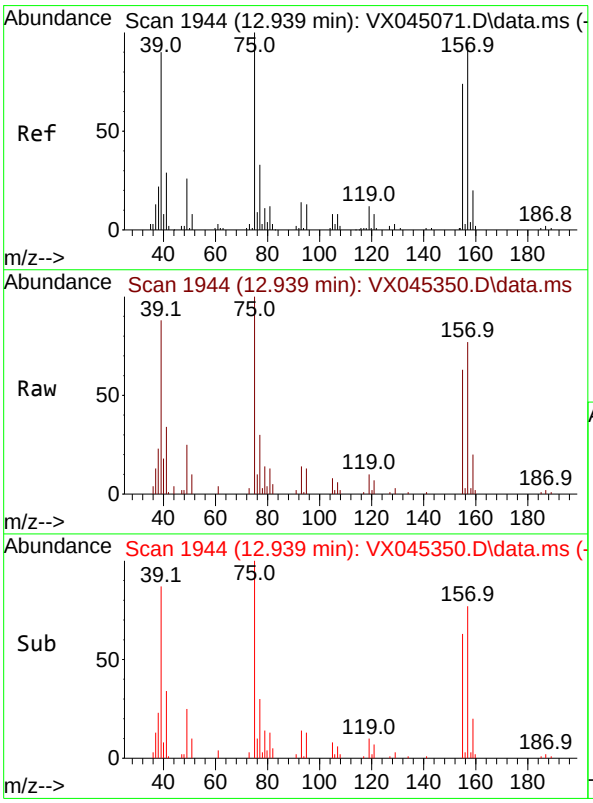
#91
1,2-Dichlorobenzene
Concen: 21.144 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:146 Resp: 45440

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	64.3	31.9	95.9

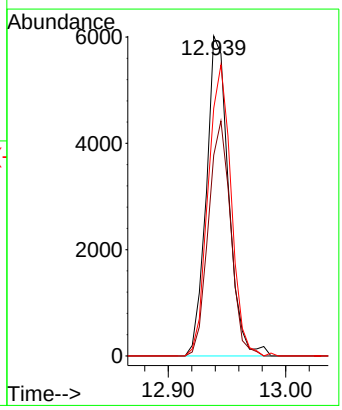


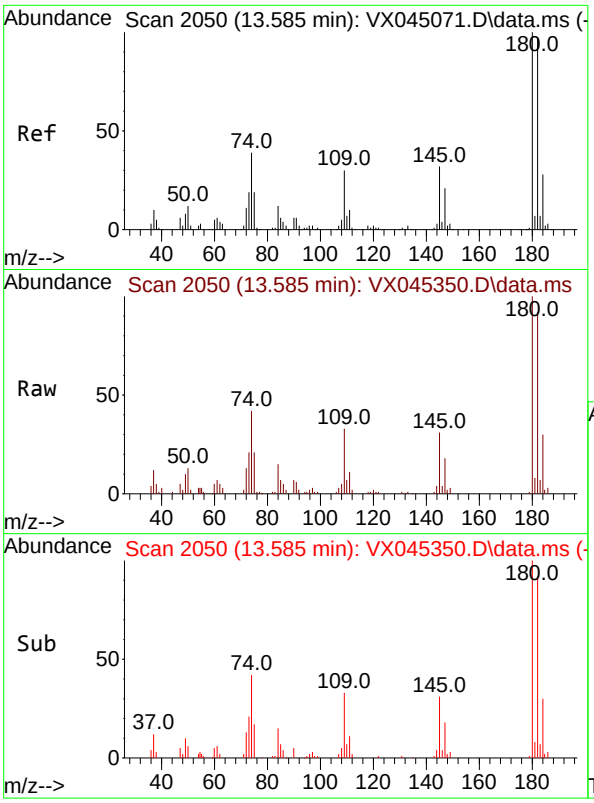


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.774 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 7923

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	94.3	51.1	153.4



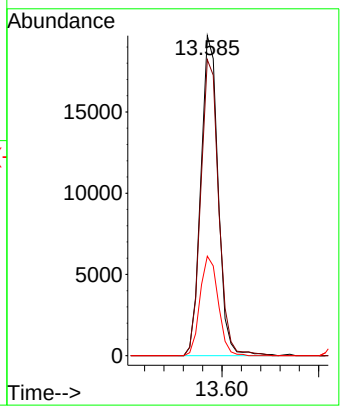


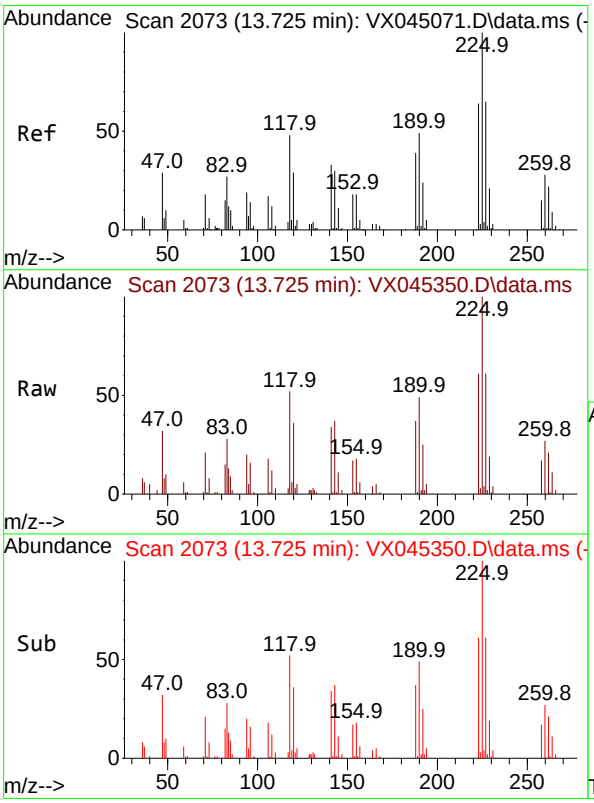
#93
1,2,4-Trichlorobenzene
Concen: 20.027 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:180 Resp: 24507

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9

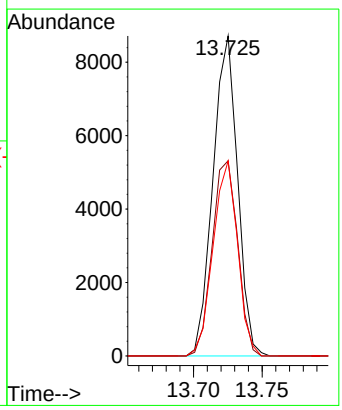


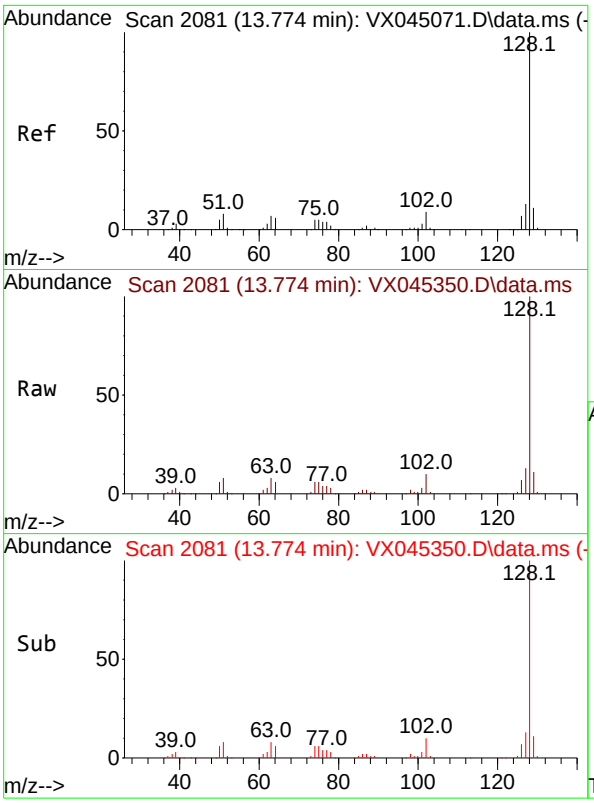


#94
Hexachlorobutadiene
Concen: 21.692 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:225 Resp: 10883

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	60.5	31.4	94.0



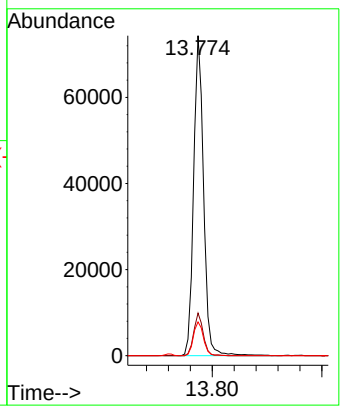


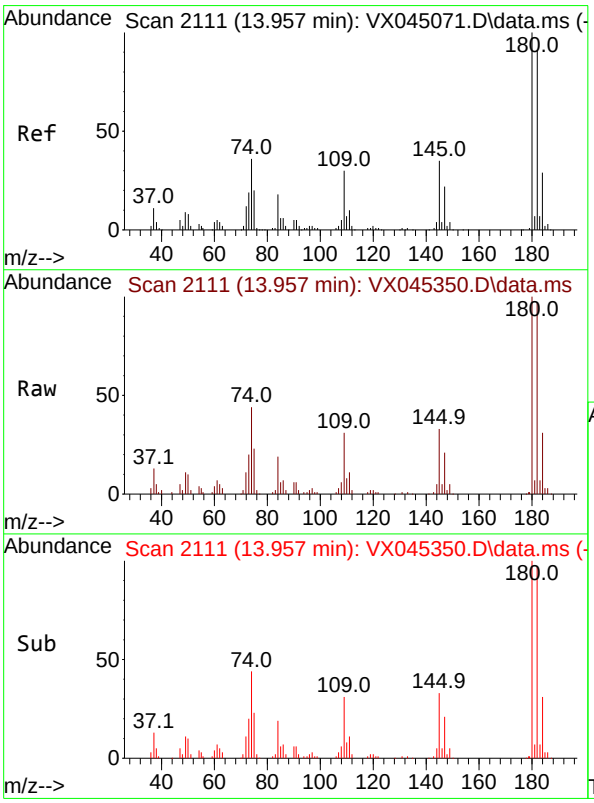
#95
Naphthalene
Concen: 20.032 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:128 Resp: 94184

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

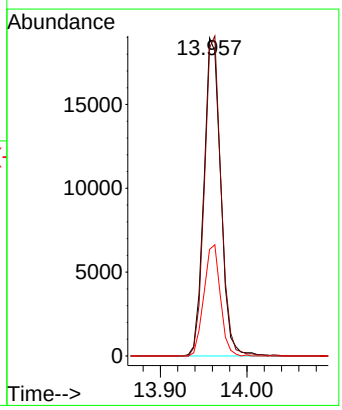




#96
1,2,3-Trichlorobenzene
Concen: 19.806 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 25568

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70639	47.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.940%			
35) Dibromofluoromethane	5.379	113	52009	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	8.647	98	174390	43.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.820%			
62) 4-Bromofluorobenzene	11.079	95	61298	46.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51086	43.383	ug/l	95
3) Chloromethane	1.307	50	56179	38.984	ug/l	96
4) Vinyl Chloride	1.374	62	55599	38.892	ug/l	97
5) Bromomethane	1.593	94	24213	43.085	ug/l	98
6) Chloroethane	1.660	64	29979	45.464	ug/l	96
7) Trichlorofluoromethane	1.868	101	84605	44.706	ug/l	98
8) Diethyl Ether	2.130	74	31439	42.472	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54397	50.031	ug/l	99
10) Methyl Iodide	2.441	142	66312	48.804	ug/l	95
11) Tert butyl alcohol	2.989	59	50967	180.827	ug/l	98
12) 1,1-Dichloroethene	2.307	96	52221	45.429	ug/l	94
13) Acrolein	2.239	56	70452	216.233	ug/l	99
14) Allyl chloride	2.654	41	100258	48.998	ug/l	94
15) Acrylonitrile	3.062	53	179013	236.977	ug/l	99
16) Acetone	2.386	43	160119	231.924	ug/l	96
17) Carbon Disulfide	2.502	76	105372	34.417	ug/l	96
18) Methyl Acetate	2.703	43	104891	63.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186021	48.235	ug/l	98
20) Methylene Chloride	2.782	84	60998	44.603	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53015	46.683	ug/l	96
22) Diisopropyl ether	3.764	45	205882	49.474	ug/l	98
23) Vinyl Acetate	3.721	43	843117	242.782	ug/l	98
24) 1,1-Dichloroethane	3.605	63	113207	48.541	ug/l	99
25) 2-Butanone	4.556	43	251226	241.746	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67607	61.802	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66766	47.626	ug/l	93
28) Bromochloromethane	4.891	49	53150	47.813	ug/l	98
29) Tetrahydrofuran	5.001	42	159365	228.354	ug/l	100
30) Chloroform	5.087	83	115671	49.916	ug/l	98
31) Cyclohexane	5.458	56	91710	45.300	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	93184	49.789	ug/l	97
36) 1,1-Dichloropropene	5.684	75	74230	48.847	ug/l	99
37) Ethyl Acetate	4.715	43	92331	47.152	ug/l	99
38) Carbon Tetrachloride	5.672	117	77143	50.002	ug/l	97
39) Methylcyclohexane	7.373	83	87986	48.320	ug/l	96
40) Benzene	6.031	78	229488	47.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	54907	51.857	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92126	53.313	ug/l		97
43) Isopropyl Acetate	6.336	43	142927	49.361	ug/l		99
44) Trichloroethene	7.123	130	53184	47.200	ug/l		98
45) 1,2-Dichloropropane	7.428	63	58403	47.336	ug/l		99
46) Dibromomethane	7.574	93	44280	50.776	ug/l		96
47) Bromodichloromethane	7.818	83	87101	50.921	ug/l		97
48) Methyl methacrylate	7.690	41	73187	50.381	ug/l		95
49) 1,4-Dioxane	7.665	88	24510	799.865	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491687	252.898	ug/l		99
52) Toluene	8.714	92	137136	48.708	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	71529	50.020	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	85027	50.990	ug/l	#	90
55) 1,1,2-Trichloroethane	9.147	97	56424	48.680	ug/l		98
56) Ethyl methacrylate	9.116	69	87573	49.705	ug/l		93
57) 1,3-Dichloropropane	9.305	76	96608	48.163	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	230541	268.242	ug/l		99
59) 2-Hexanone	9.427	43	358998	254.850	ug/l		98
60) Dibromochloromethane	9.519	129	59803	49.346	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56084	48.470	ug/l		98
64) Tetrachloroethene	9.269	164	45283	51.351	ug/l		98
65) Chlorobenzene	10.079	112	144993	49.767	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49330	50.843	ug/l		97
67) Ethyl Benzene	10.189	91	259715	51.160	ug/l		99
68) m/p-Xylenes	10.299	106	186973	100.611	ug/l		95
69) o-Xylene	10.640	106	93311	49.785	ug/l		97
70) Styrene	10.653	104	156285	51.533	ug/l		97
71) Bromoform	10.799	173	37320	51.008	ug/l	#	98
73) Isopropylbenzene	10.957	105	247227	49.801	ug/l		99
74) N-amyl acetate	10.842	43	118224	50.753	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88014	48.314	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	91150	61.575	ug/l		85
77) Bromobenzene	11.195	156	55127	47.066	ug/l		96
78) n-propylbenzene	11.299	91	284120	50.665	ug/l		98
79) 2-Chlorotoluene	11.360	91	172470	48.292	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	200325	49.907	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20719	47.898	ug/l		87
82) 4-Chlorotoluene	11.451	91	195160	50.140	ug/l		99
83) tert-Butylbenzene	11.713	119	202061	48.993	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	201914	49.993	ug/l		99
85) sec-Butylbenzene	11.890	105	252116	51.032	ug/l		99
86) p-Isopropyltoluene	12.006	119	207118	51.877	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101952	48.793	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	100604	47.591	ug/l		99
89) n-Butylbenzene	12.329	91	185400	53.917	ug/l		99
90) Hexachloroethane	12.536	117	34950	48.398	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102736	49.014	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18163	51.178	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	60246	50.478	ug/l		99
94) Hexachlorobutadiene	13.725	225	24590	50.254	ug/l		100
95) Naphthalene	13.774	128	229260	49.996	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62054	49.285	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

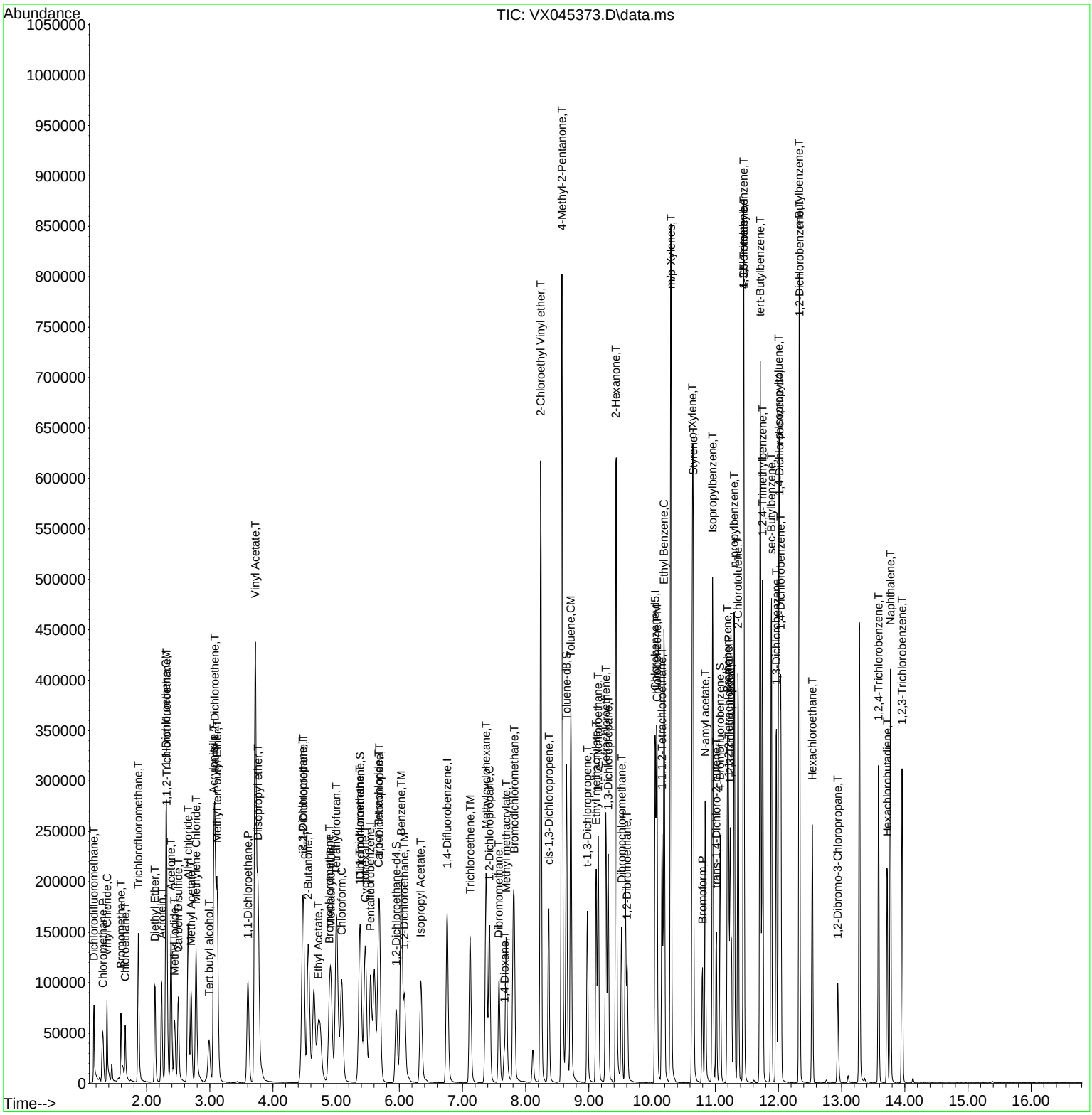
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

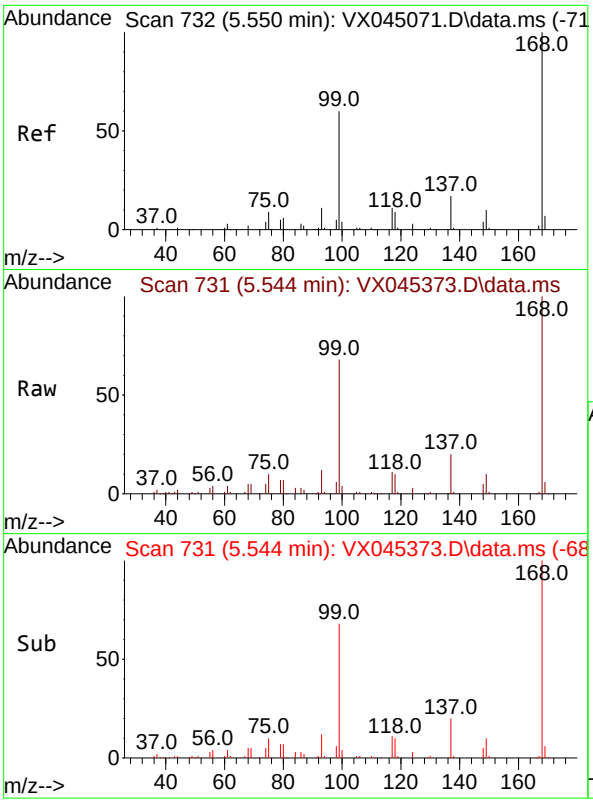
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



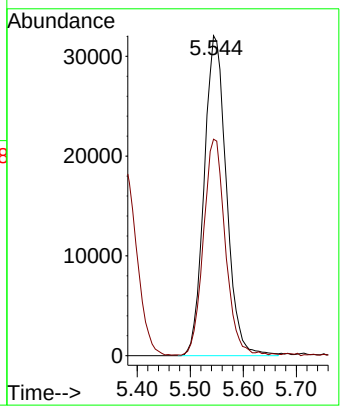


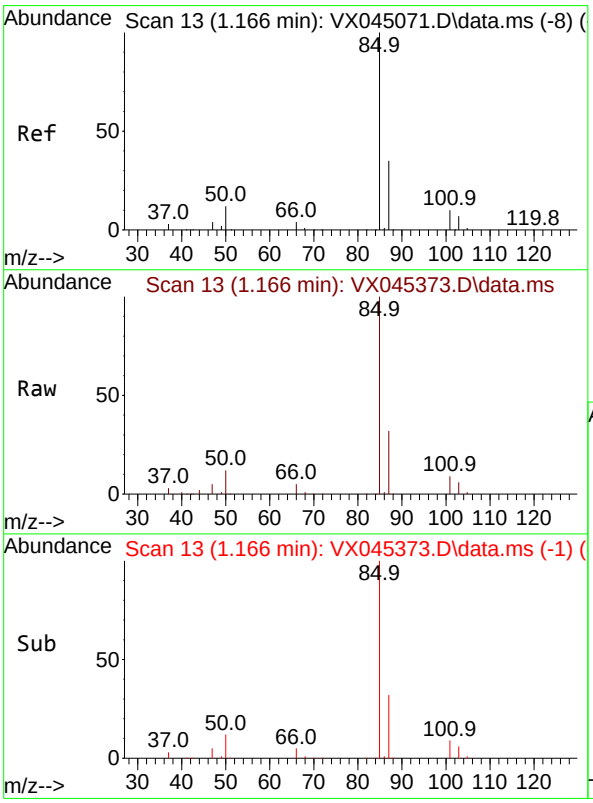
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 93548

Ion	Ratio	Lower	Upper
168	100		
99	67.4	48.2	72.4

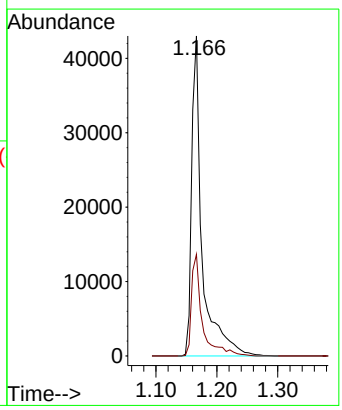


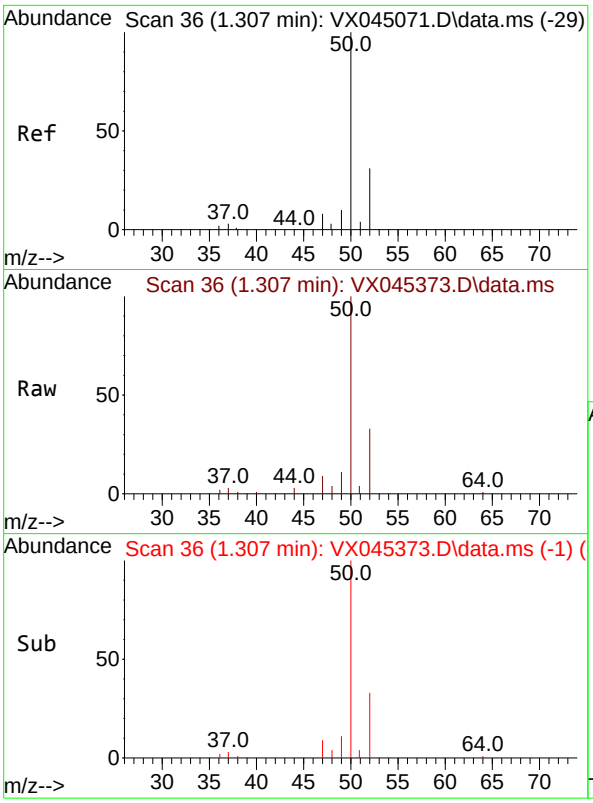


#2
Dichlorodifluoromethane
Concen: 43.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 85 Resp: 51086

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



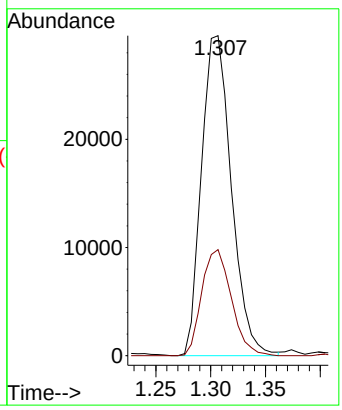


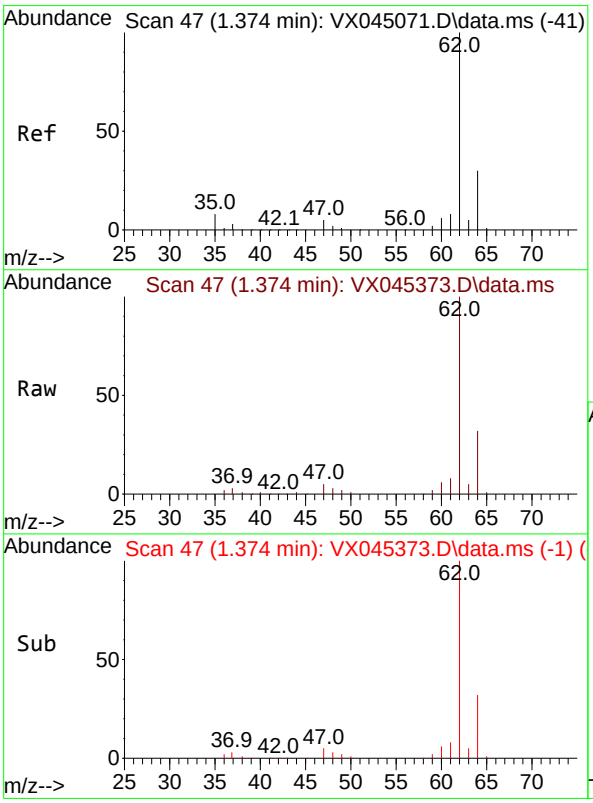
#3
Chloromethane
Concen: 38.984 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 56179

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4

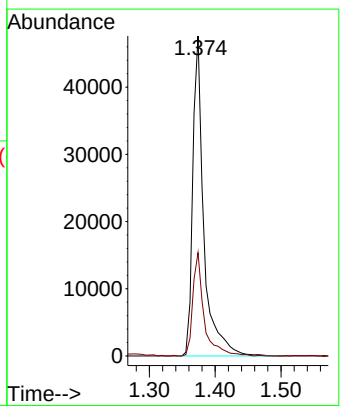


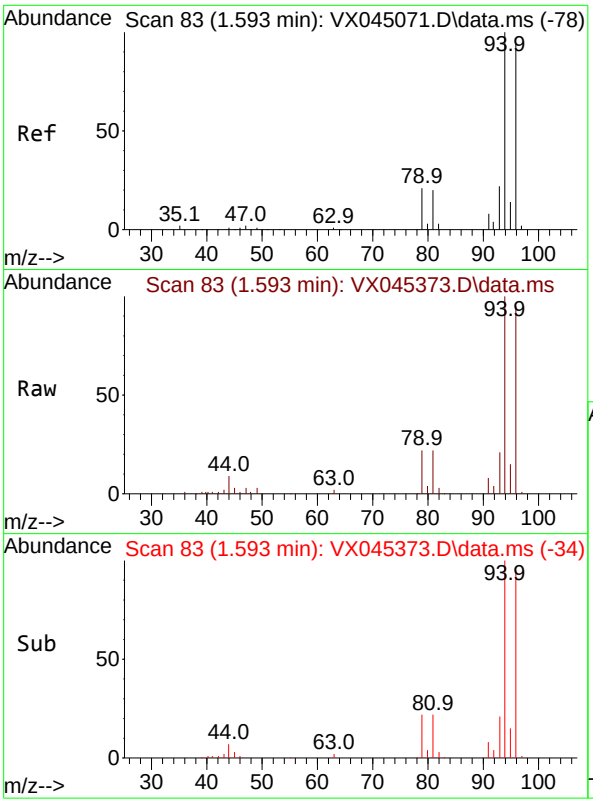


#4
Vinyl Chloride
Concen: 38.892 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 55599

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.3	36.5



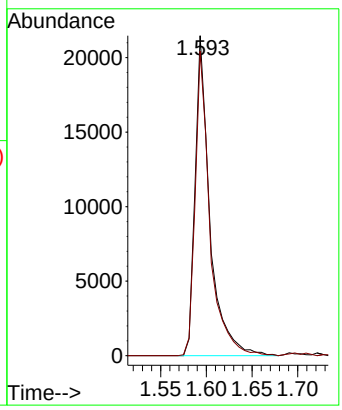


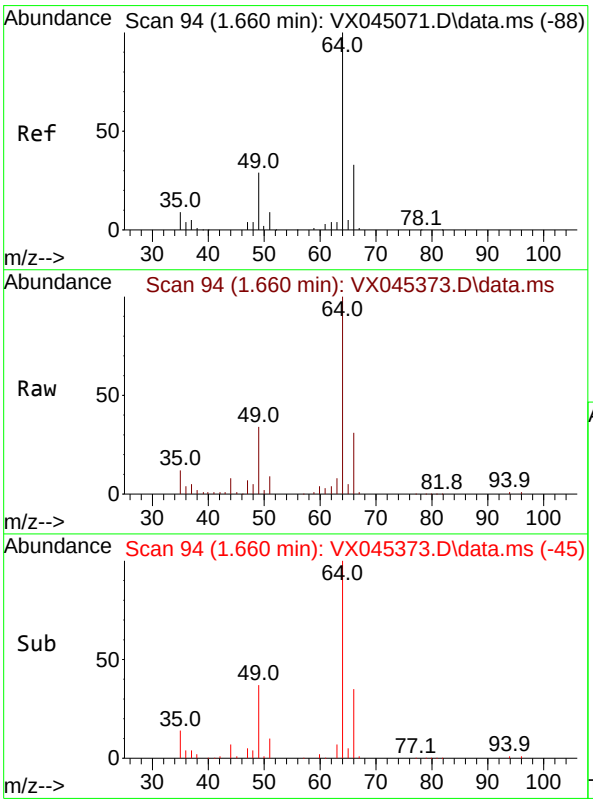
#5
Bromomethane
Concen: 43.085 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 24213

Ion	Ratio	Lower	Upper
94	100		
96	95.2	75.0	112.4

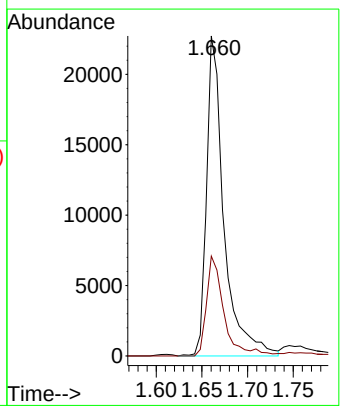


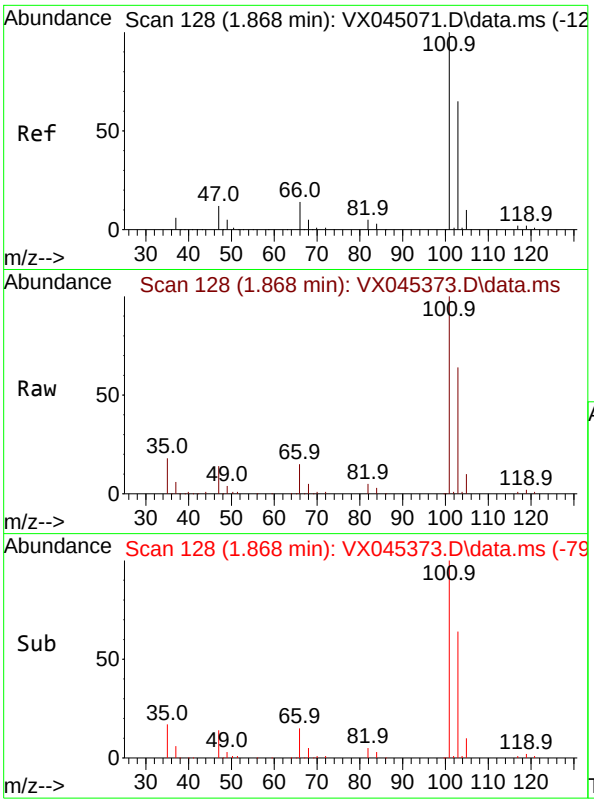


#6
Chloroethane
Concen: 45.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.7	40.1



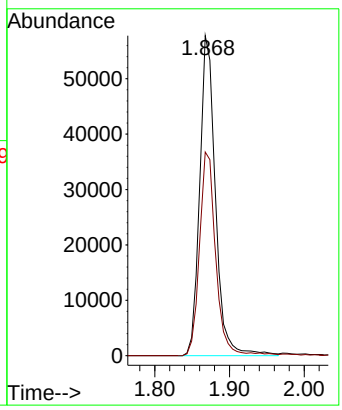


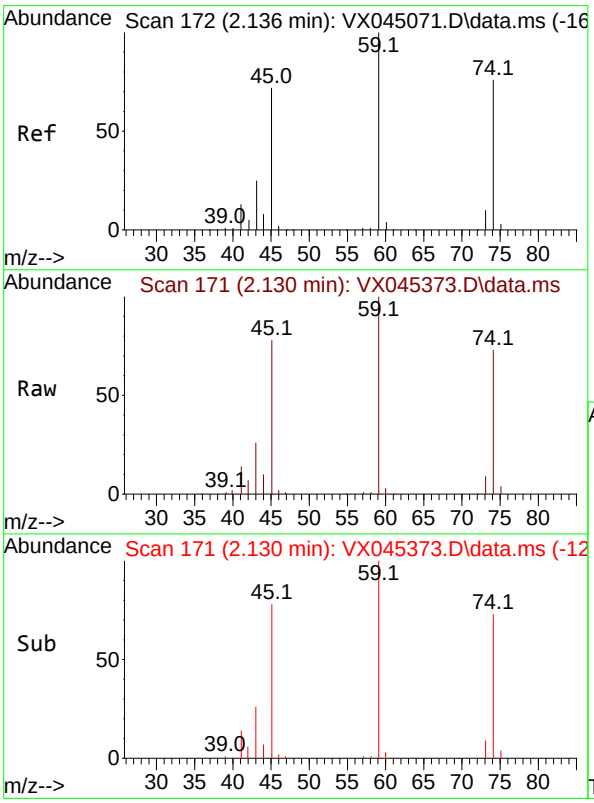
#7
Trichlorofluoromethane
Concen: 44.706 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 84605

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

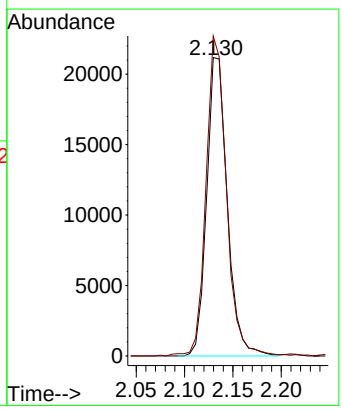


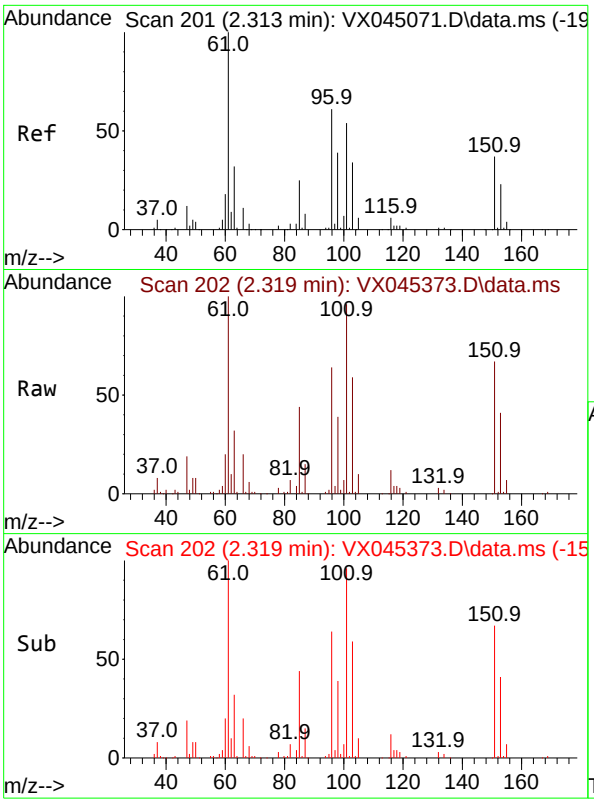


#8
Diethyl Ether
Concen: 42.472 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 74 Resp: 31439

Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.5	154.5



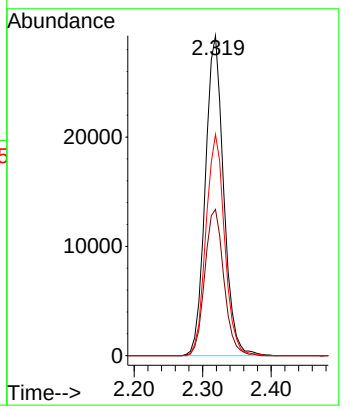


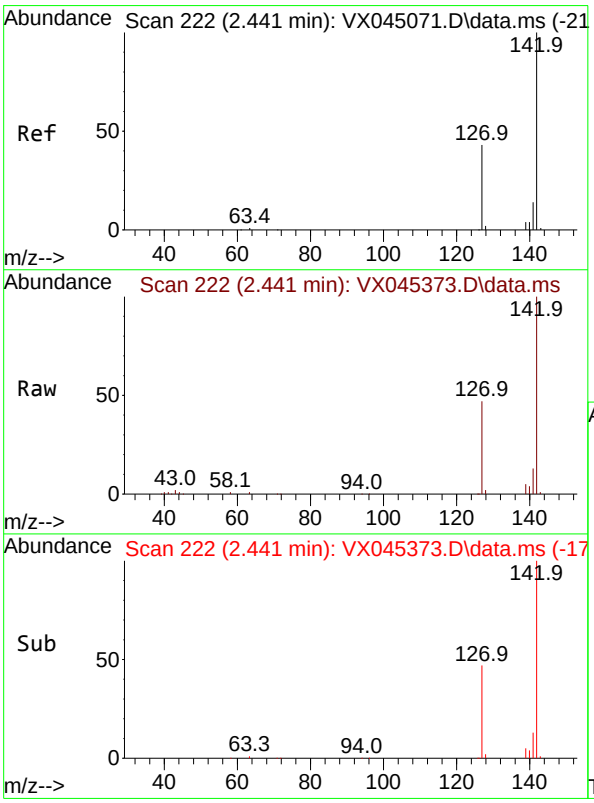
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.031 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 54397

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.5	56.4	84.6

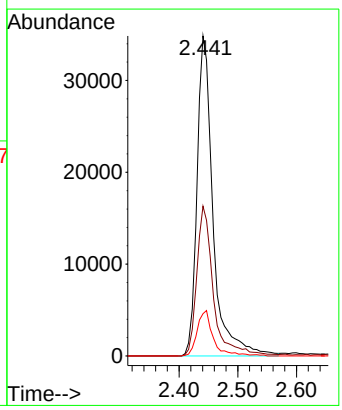


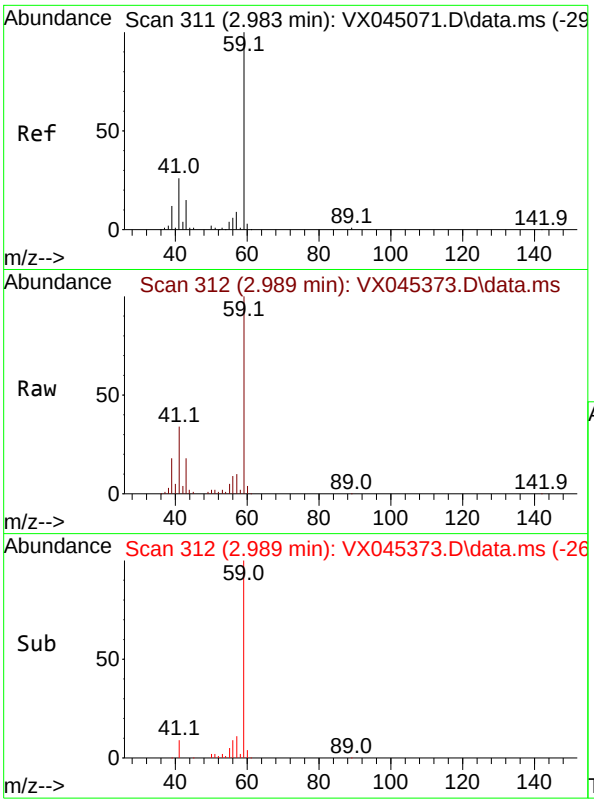


#10
Methyl Iodide
Concen: 48.804 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:142 Resp: 66312

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.2	11.6	17.4



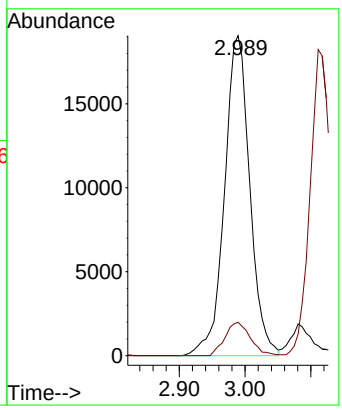


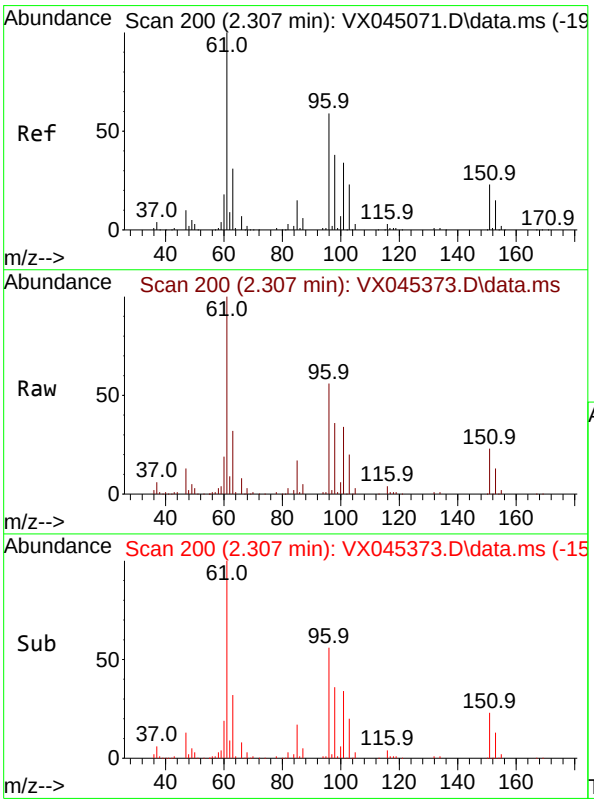
#11
Tert butyl alcohol
Concen: 180.827 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 50967

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8

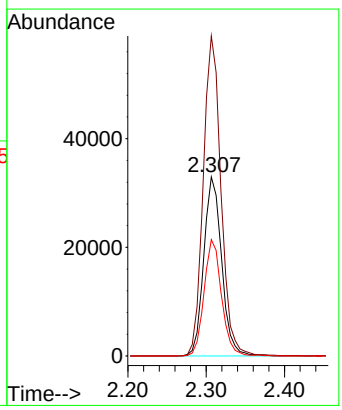


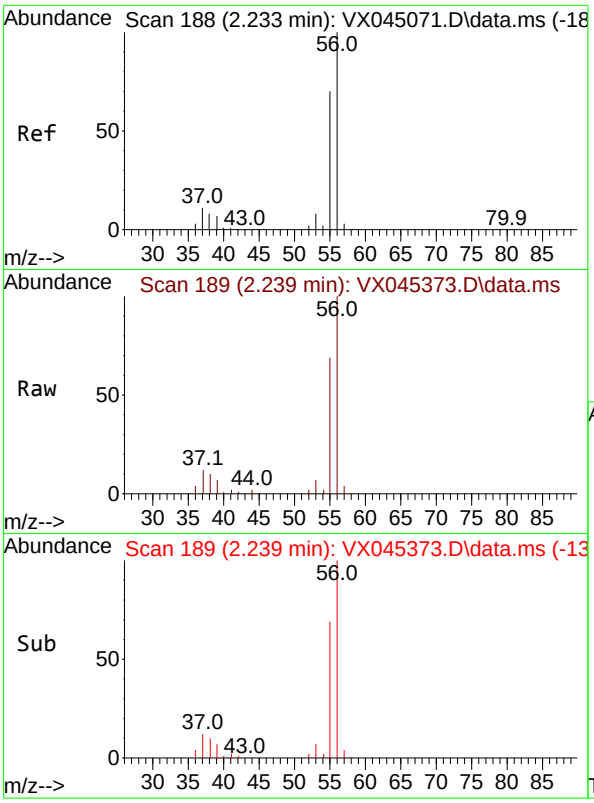


#12
1,1-Dichloroethene
Concen: 45.429 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 52221

Ion	Ratio	Lower	Upper
96	100		
61	178.8	134.6	202.0
98	65.0	51.0	76.6



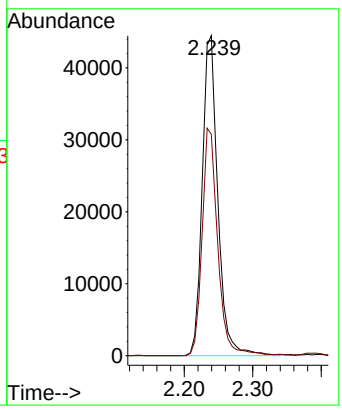


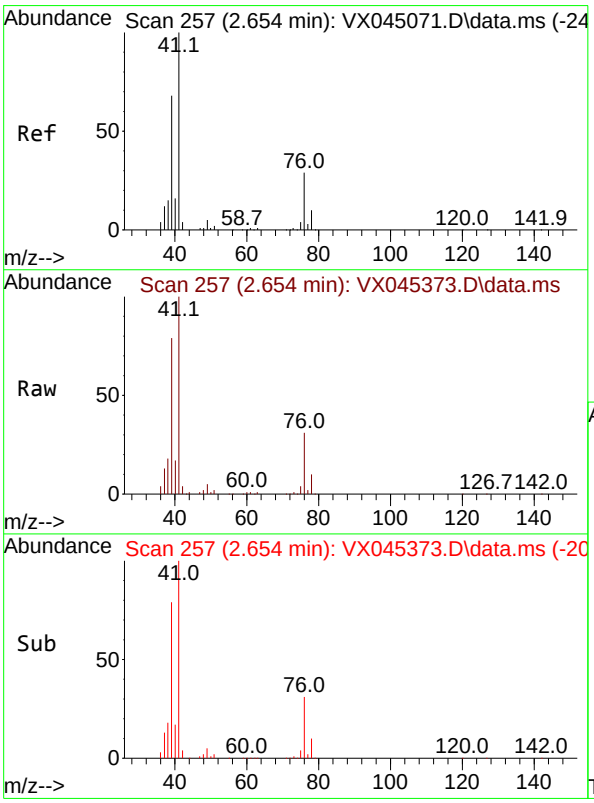
#13
Acrolein
Concen: 216.233 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 70452

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4

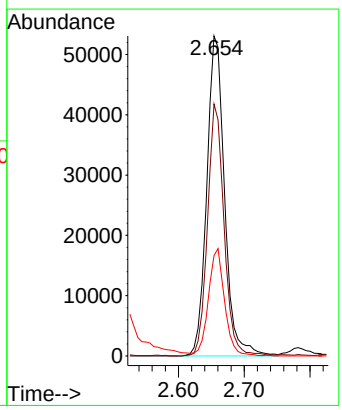


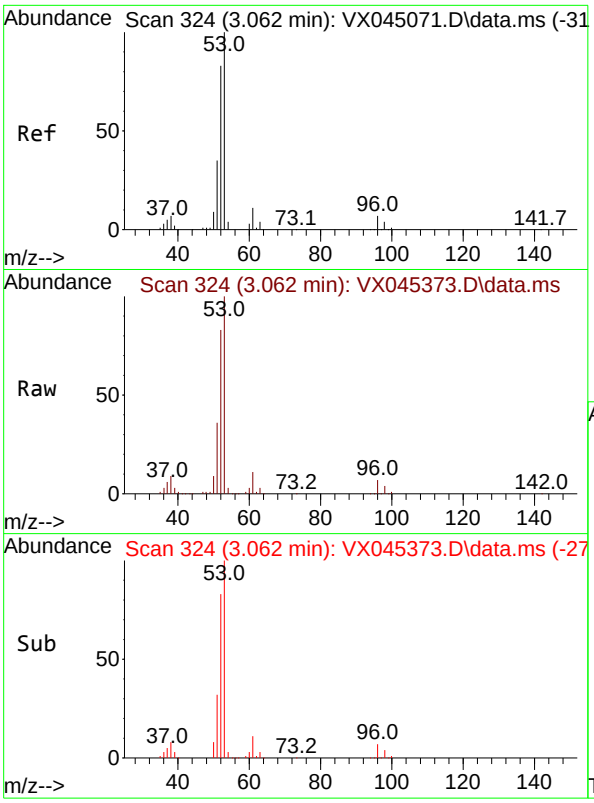


#14
Allyl chloride
Concen: 48.998 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 100258

Ion	Ratio	Lower	Upper
41	100		
39	73.0	53.8	80.8
76	30.3	25.2	37.8



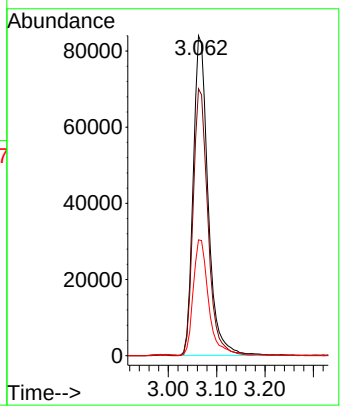


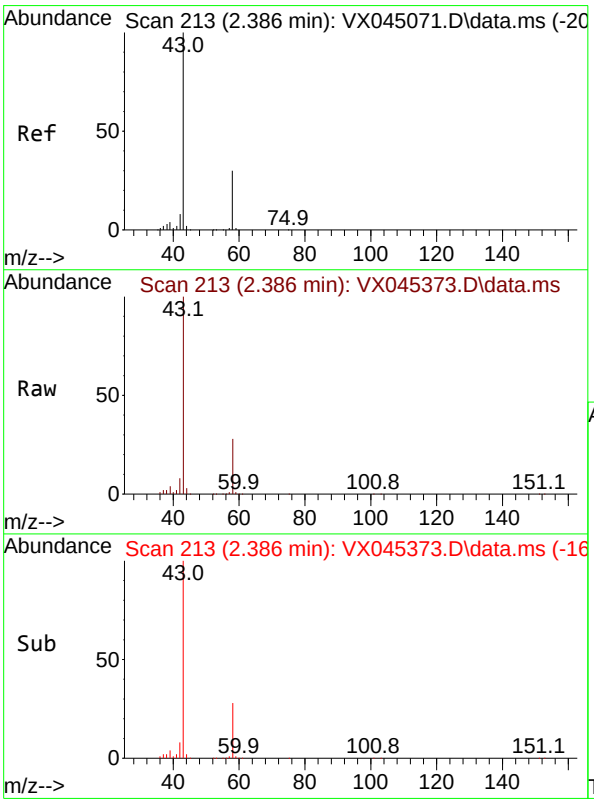
#15
Acrylonitrile
Concen: 236.977 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 179013

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.2	29.0	43.4

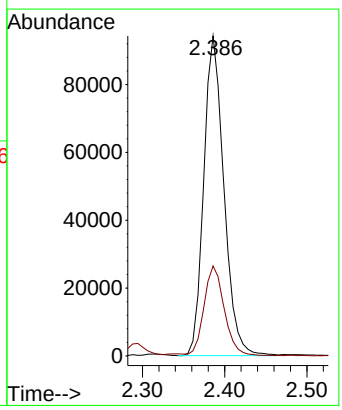


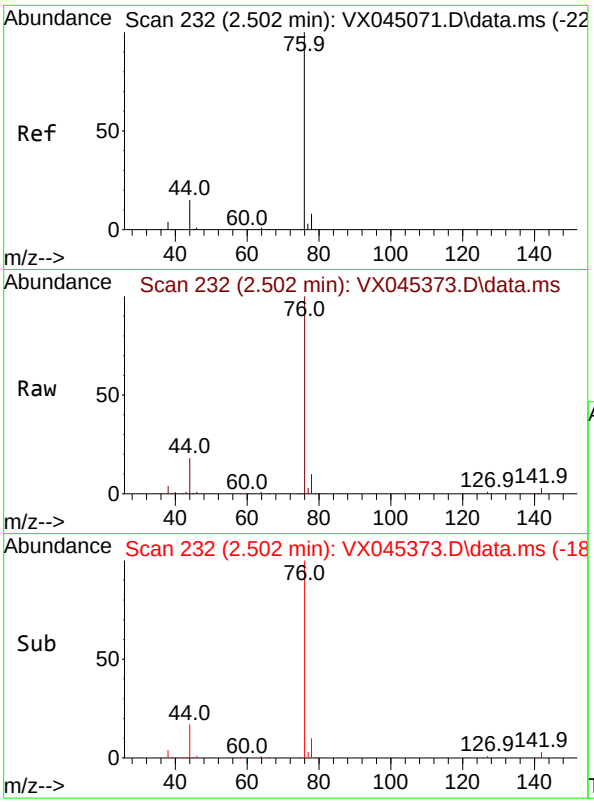


#16
Acetone
Concen: 231.924 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 160119

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.2	36.4



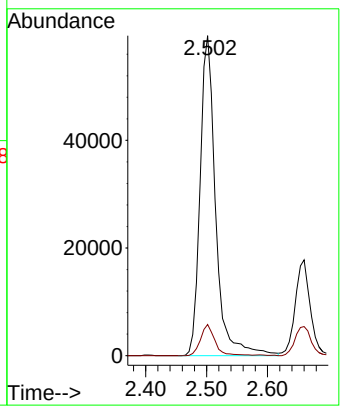


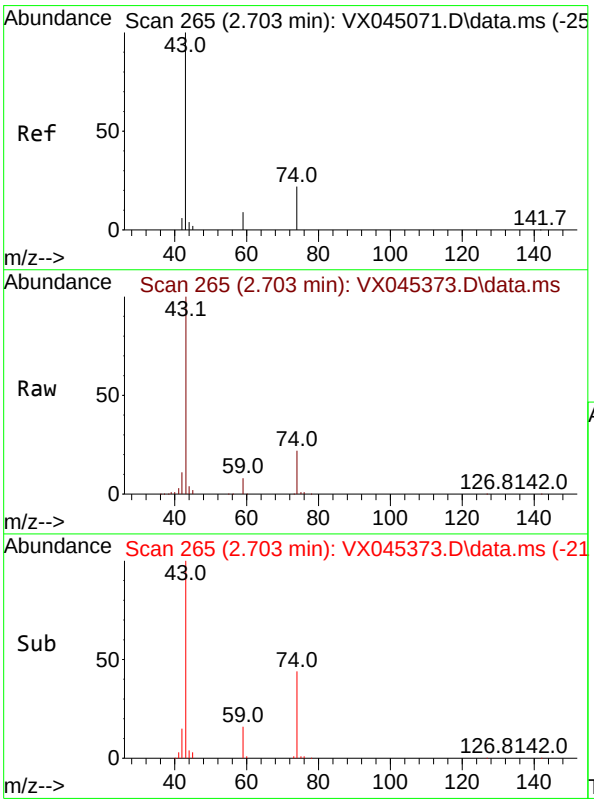
#17
Carbon Disulfide
Concen: 34.417 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 105372

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	9.8

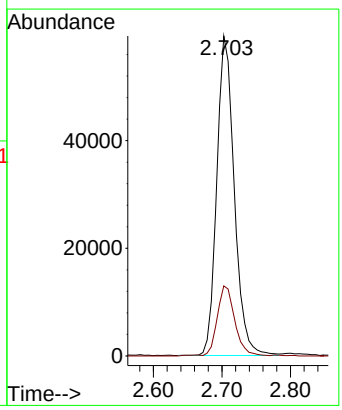


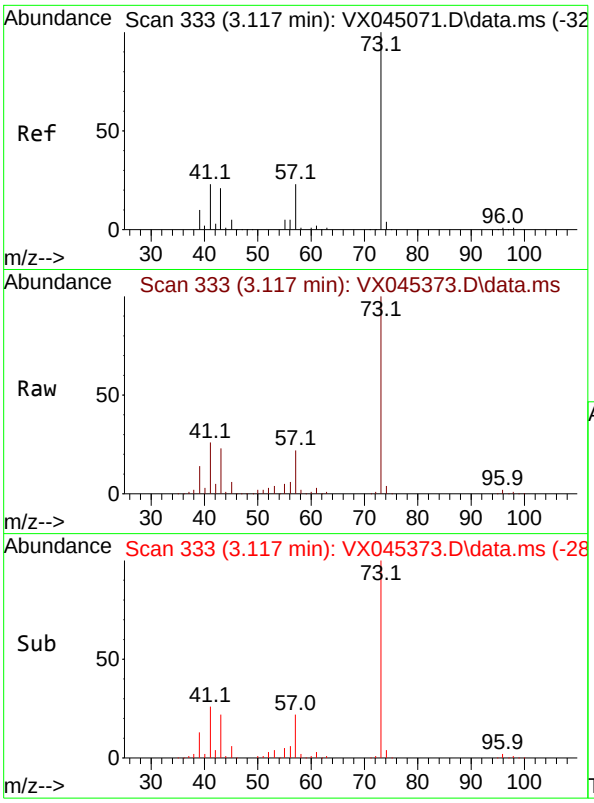


#18
Methyl Acetate
Concen: 63.154 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 104891

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



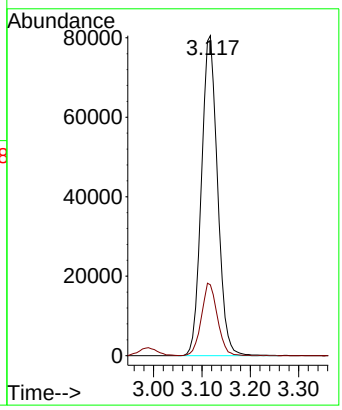


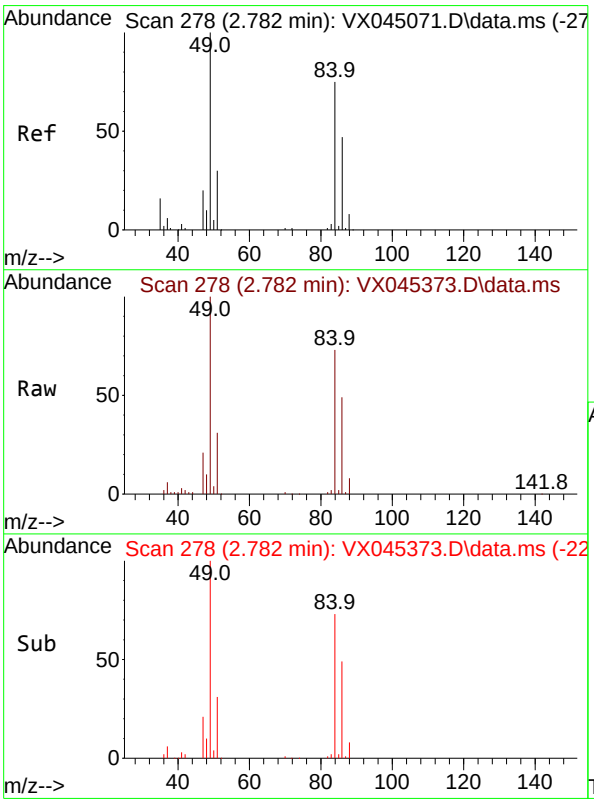
#19
Methyl tert-butyl Ether
Concen: 48.235 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 186021

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7

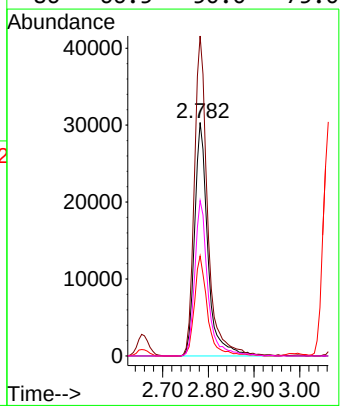


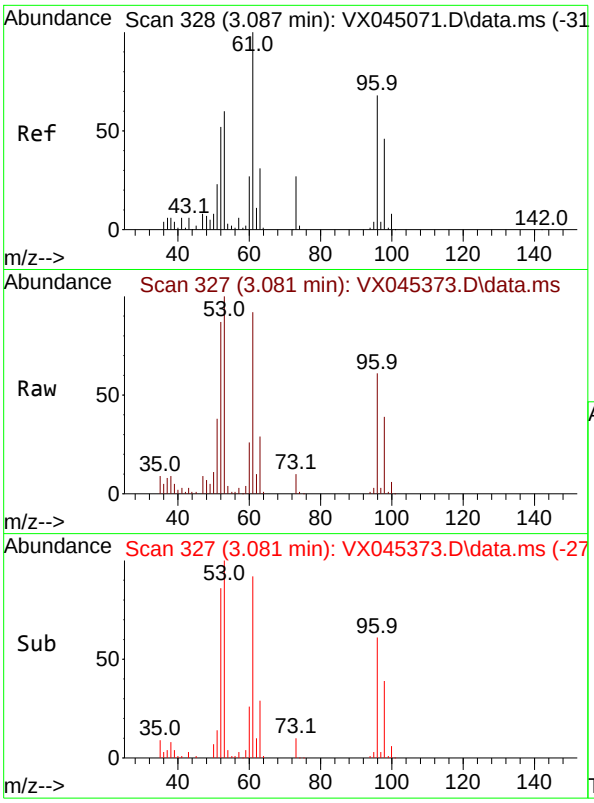


#20
Methylene Chloride
Concen: 44.603 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 84 Resp: 60998

Ion	Ratio	Lower	Upper
84	100		
49	137.1	106.5	159.7
51	42.8	32.1	48.1
86	66.5	50.0	75.0



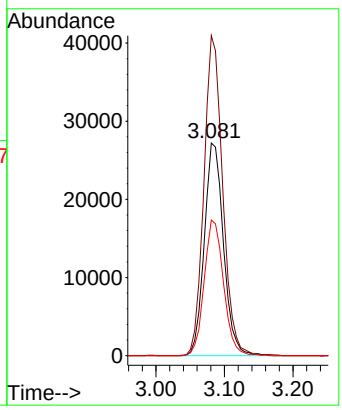


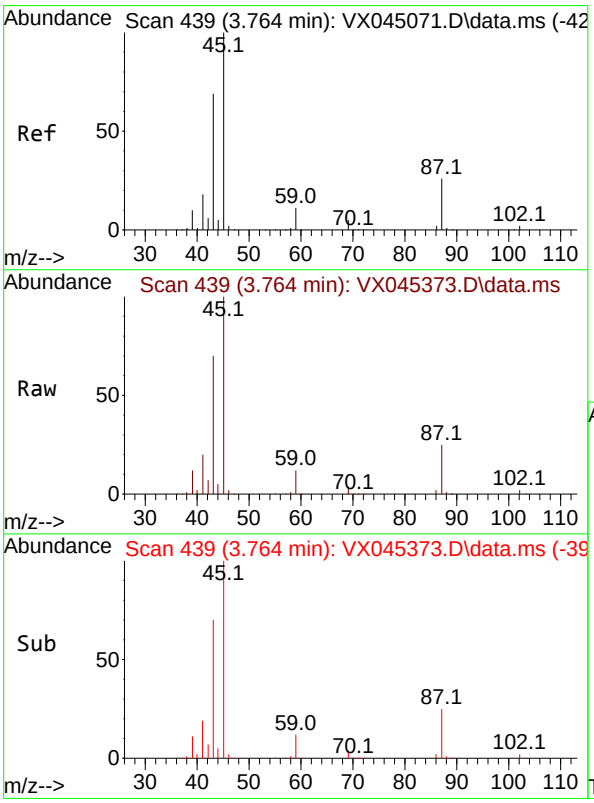
#21
trans-1,2-Dichloroethene
Concen: 46.683 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 53015

Ion	Ratio	Lower	Upper
96	100		
61	150.5	117.0	175.4
98	63.8	53.4	80.2

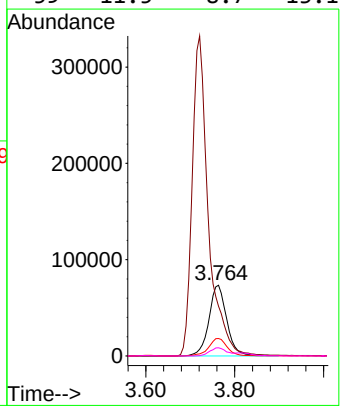


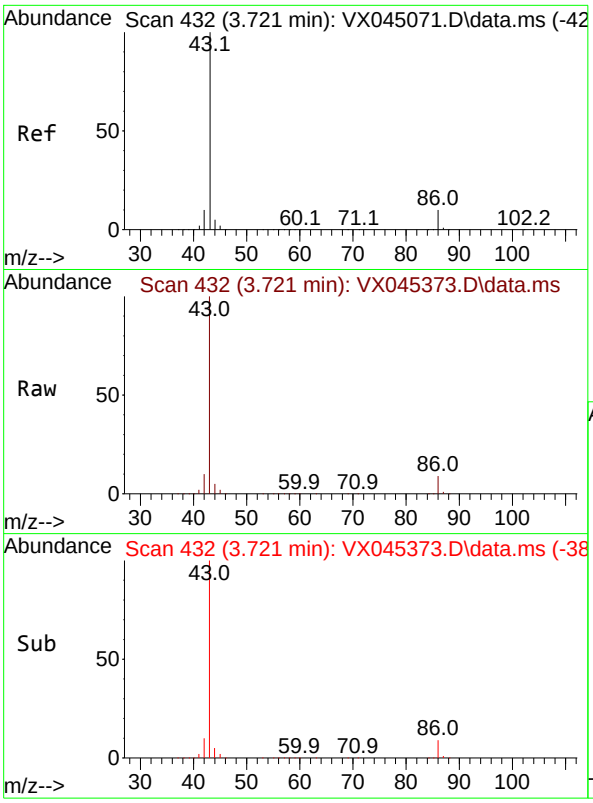


#22
Diisopropyl ether
Concen: 49.474 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 45 Resp: 205882

Ion	Ratio	Lower	Upper
45	100		
43	70.2	54.9	82.3
87	24.8	21.0	31.4
59	11.5	8.7	13.1



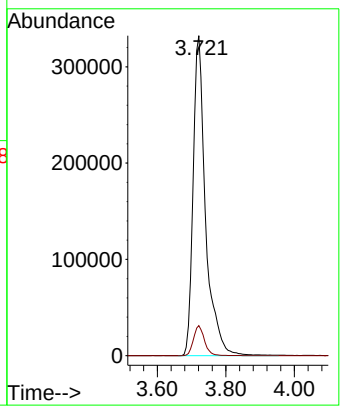


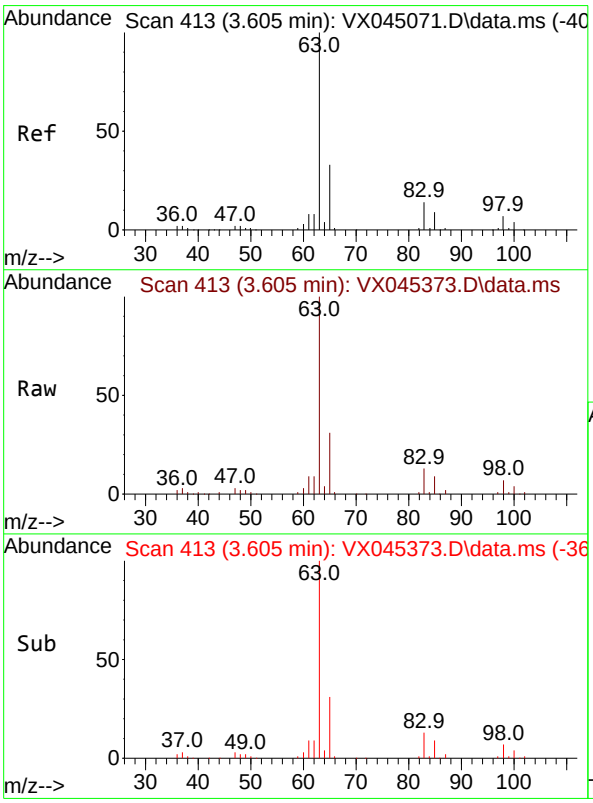
#23
Vinyl Acetate
Concen: 242.782 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 843117

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

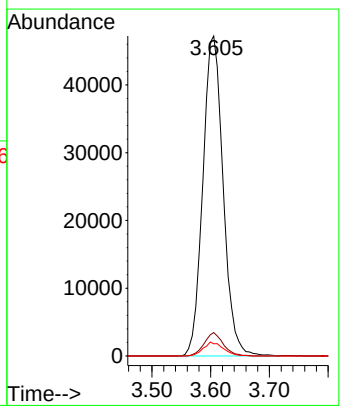


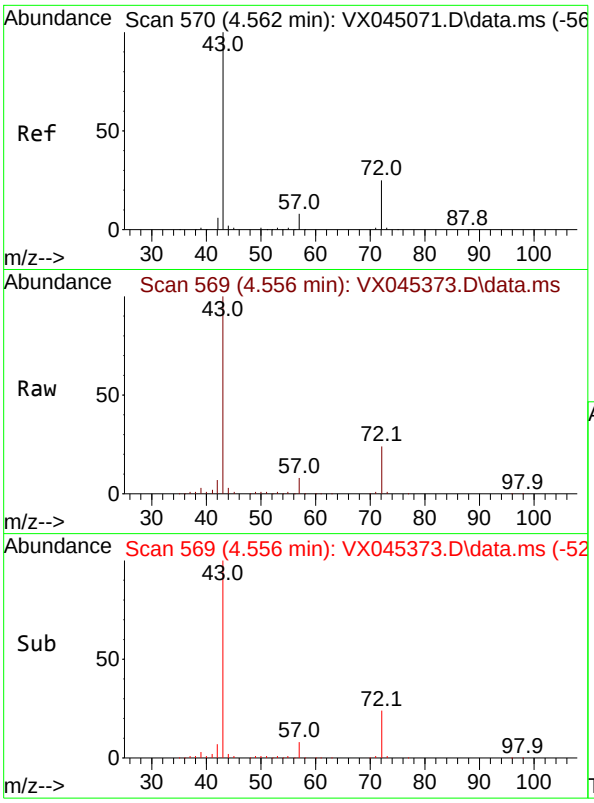


#24
1,1-Dichloroethane
Concen: 48.541 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 113207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5



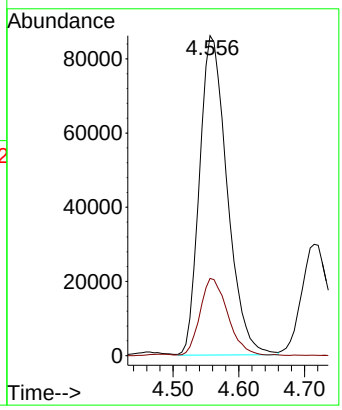


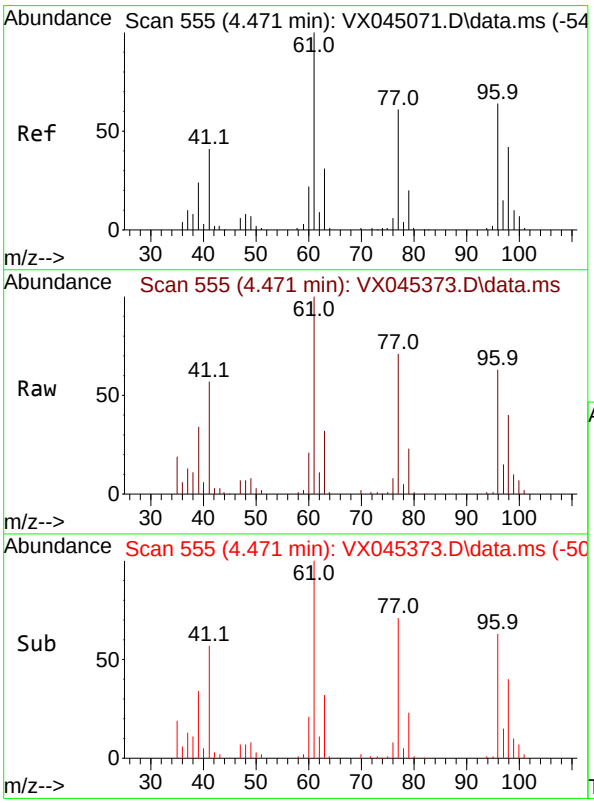
#25
2-Butanone
Concen: 241.746 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 251226

Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0

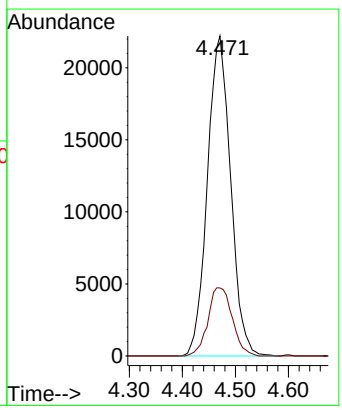


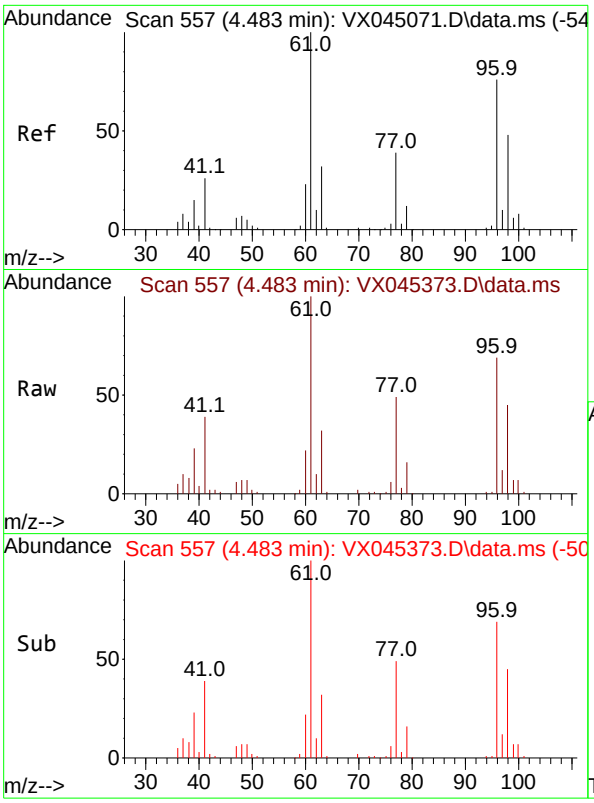


#26
2,2-Dichloropropane
Concen: 61.802 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 77 Resp: 67607

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



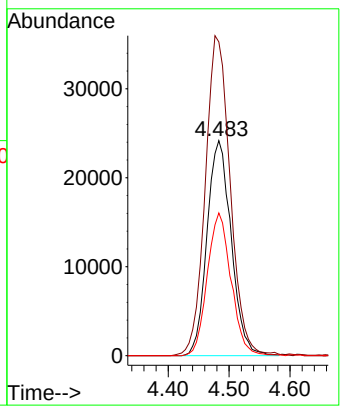


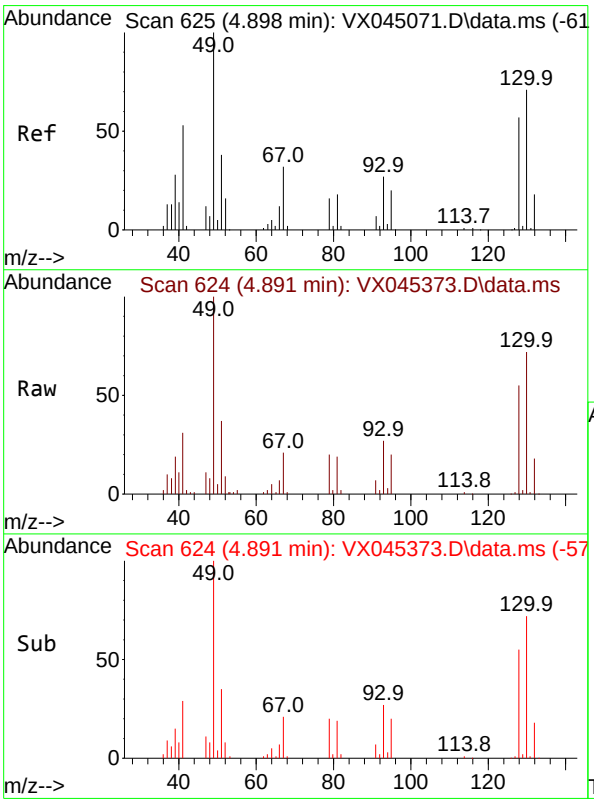
#27
cis-1,2-Dichloroethene
Concen: 47.626 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 66766

Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	283.2
98	65.2	0.0	128.0

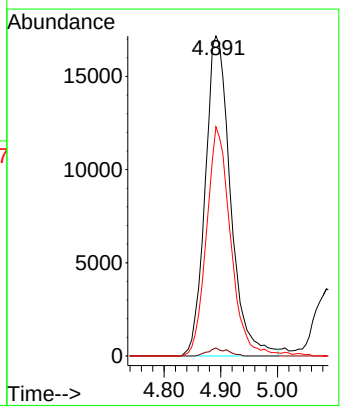


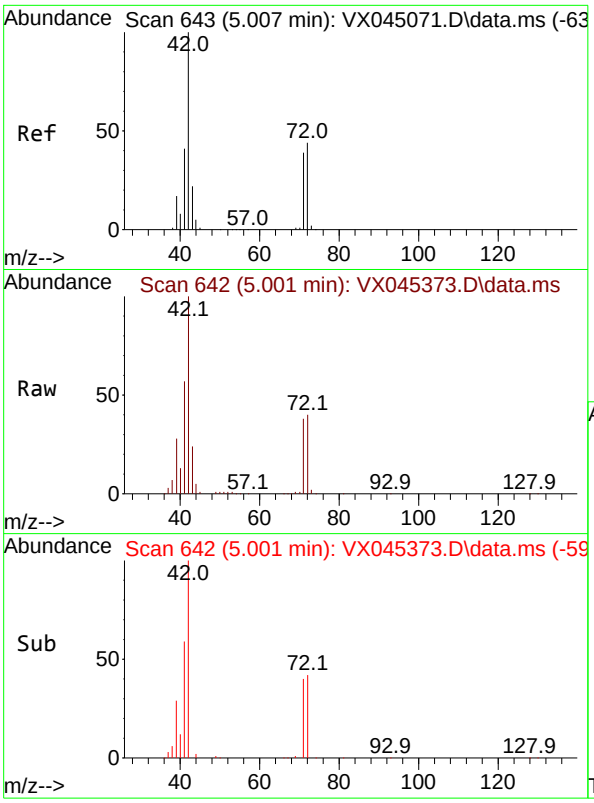


#28
Bromochloromethane
Concen: 47.813 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 49 Resp: 53150

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1



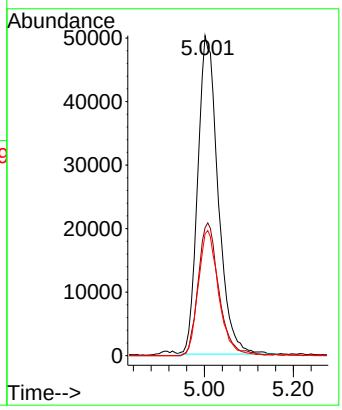


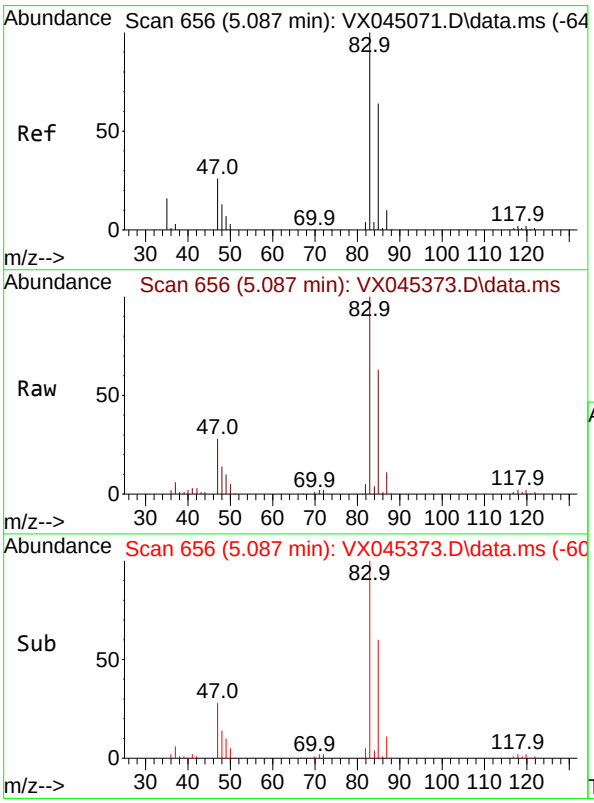
#29
Tetrahydrofuran
Concen: 228.354 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 159365

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.5	31.4	47.0

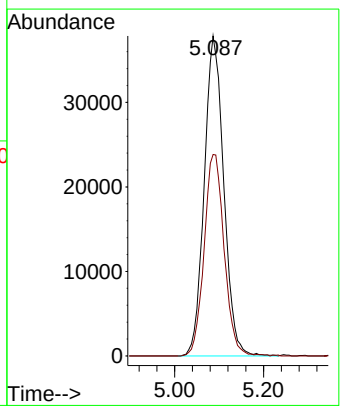


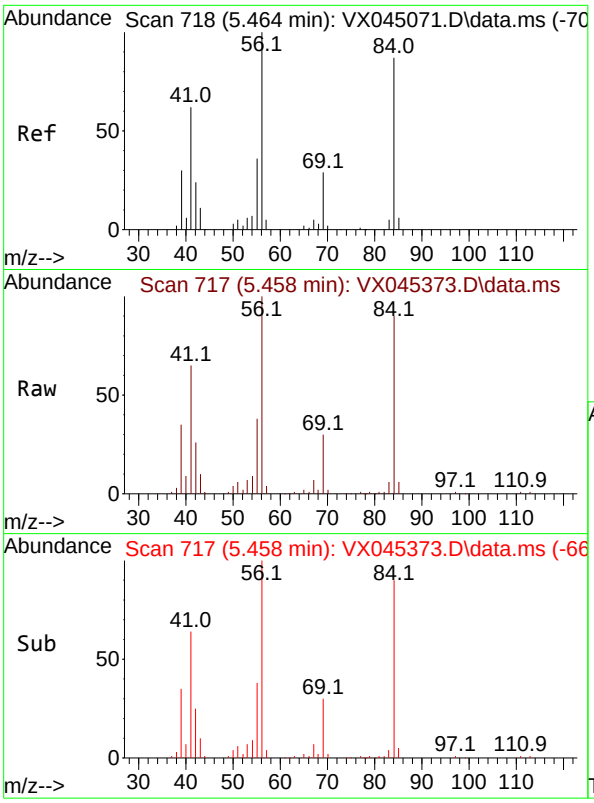


#30
Chloroform
Concen: 49.916 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 115671

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2



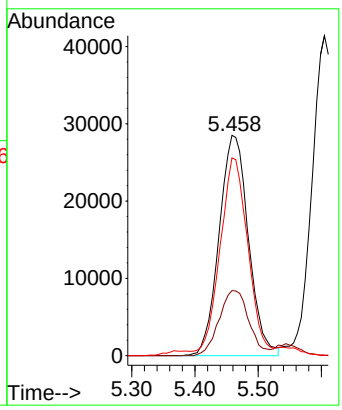


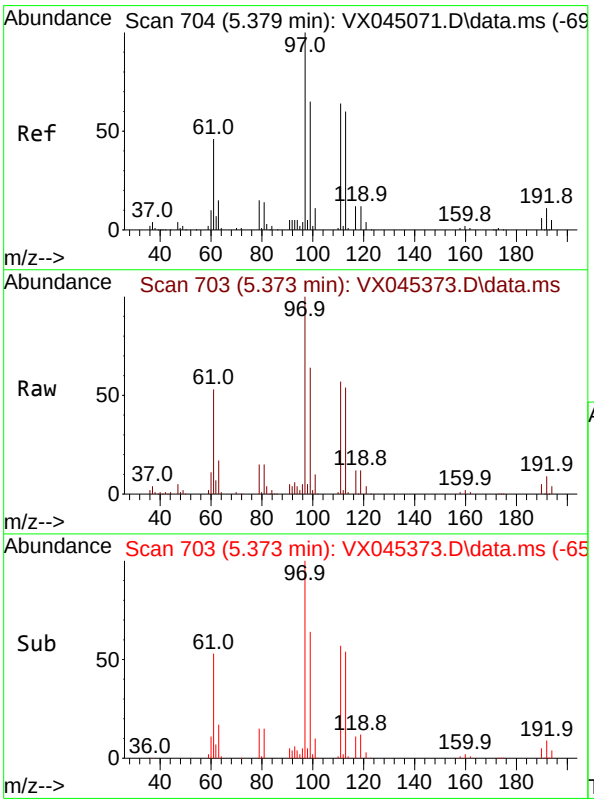
#31
Cyclohexane
Concen: 45.300 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 91710

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	87.8	69.4	104.2

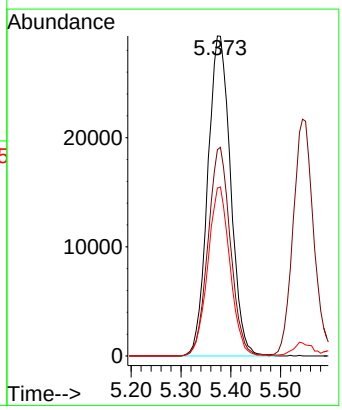


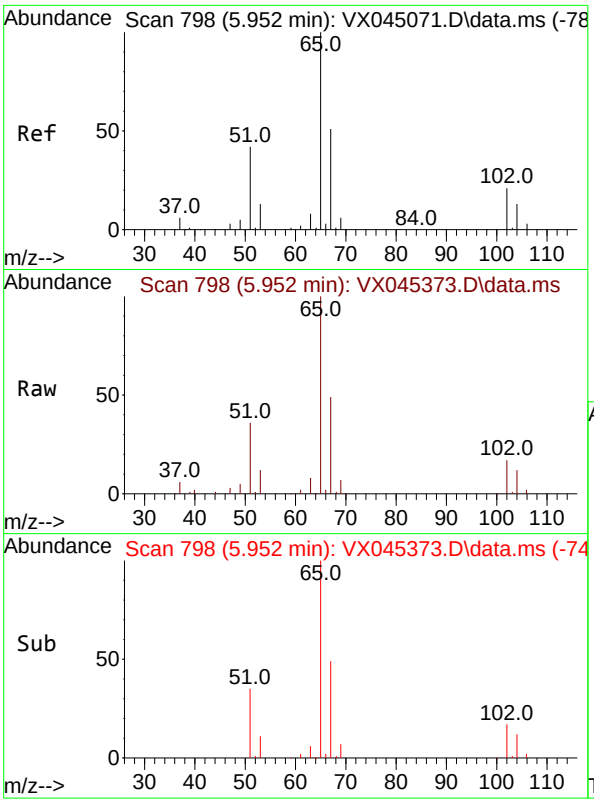


#32
1,1,1-Trichloroethane
Concen: 49.789 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 93184

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6



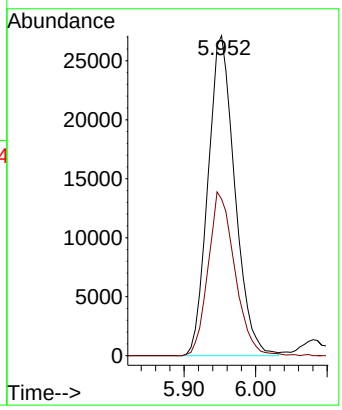


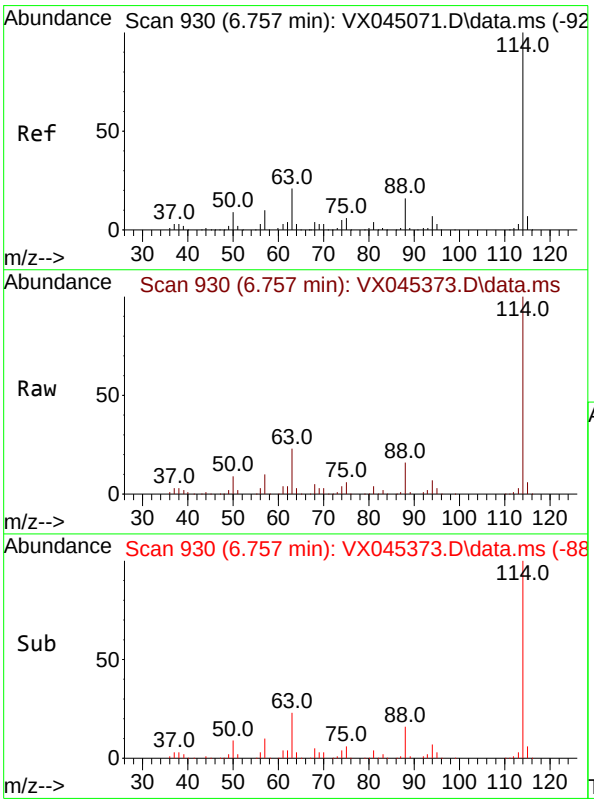
#33
1,2-Dichloroethane-d4
Concen: 47.472 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 70639

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

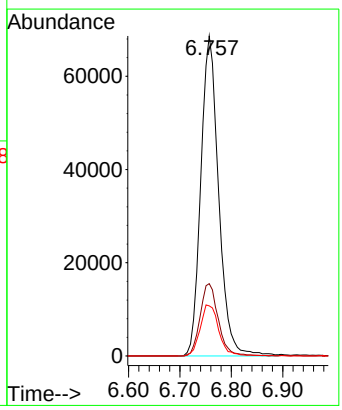


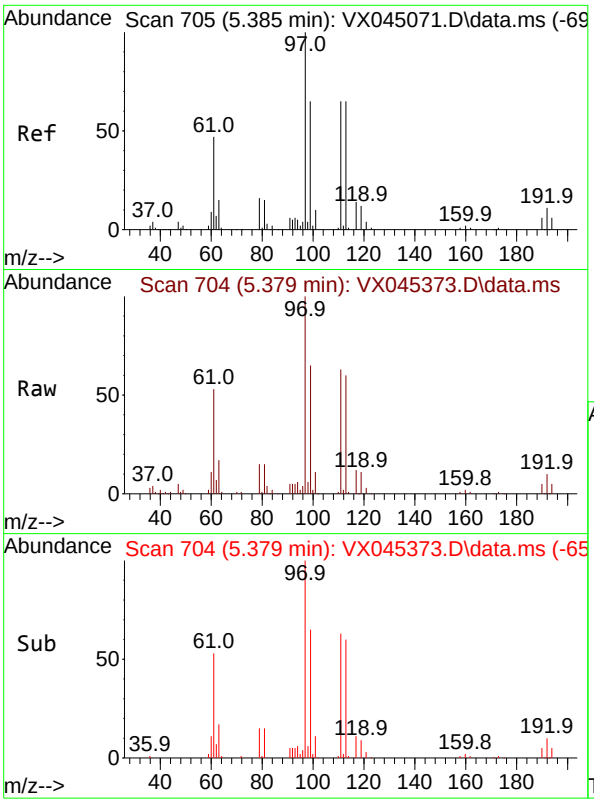


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:114 Resp: 165716

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	15.7	0.0	32.8



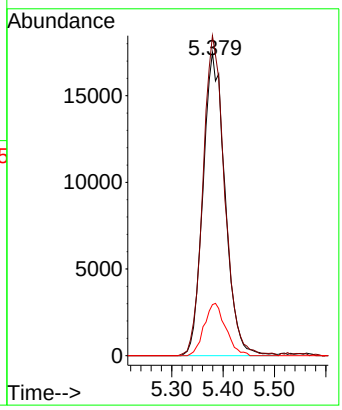


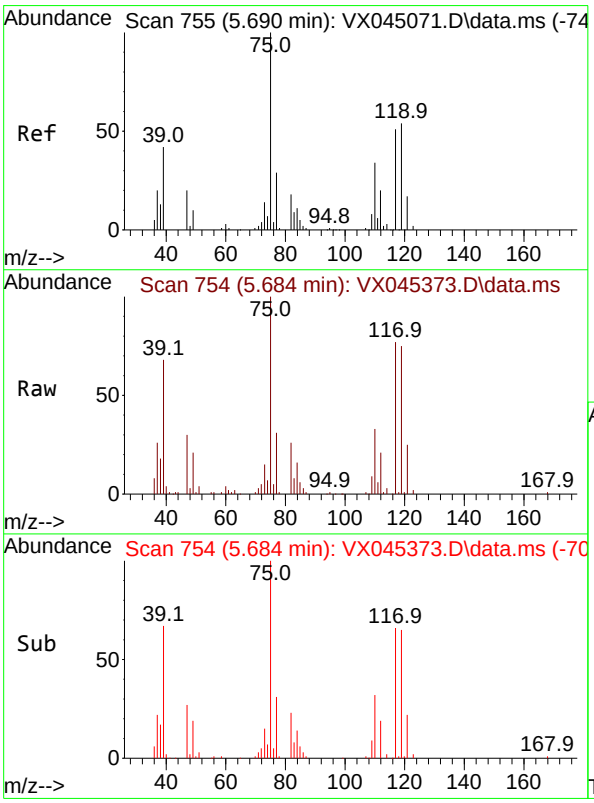
#35
Dibromofluoromethane
Concen: 46.935 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 52009

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	16.9	14.3	21.5

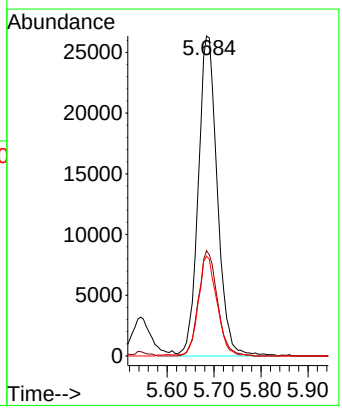


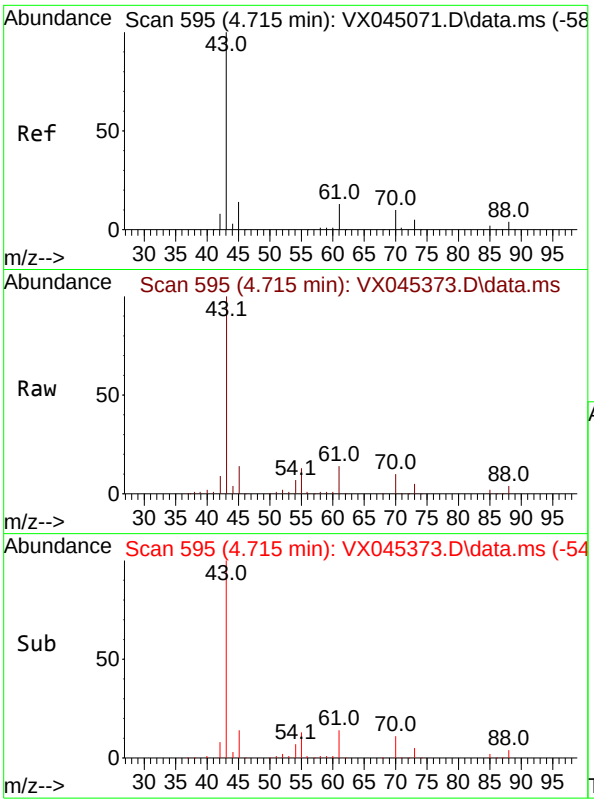


#36
1,1-Dichloropropene
Concen: 48.847 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 74230

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.6
77	30.4	24.5	36.7



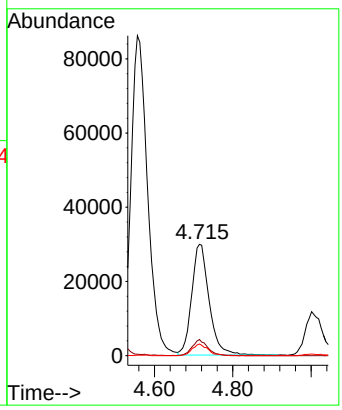


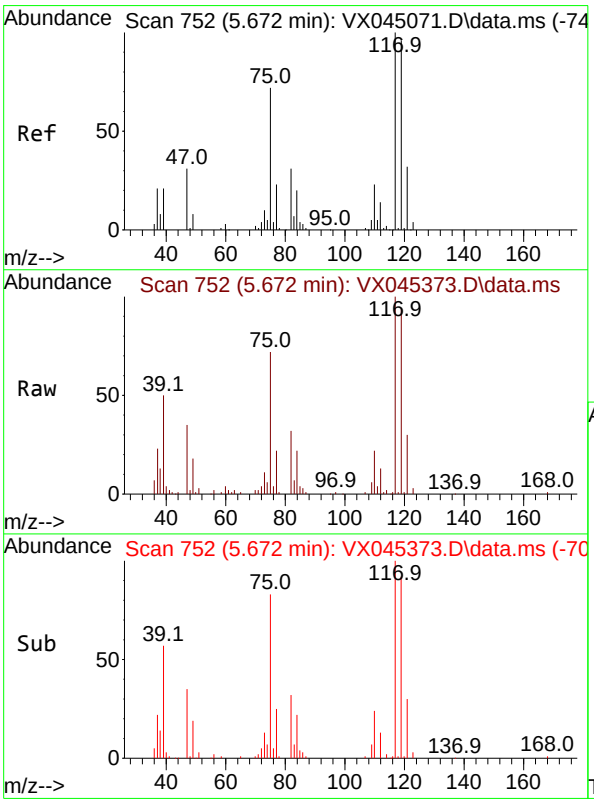
#37
Ethyl Acetate
Concen: 47.152 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 92331

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.6	7.7	11.5

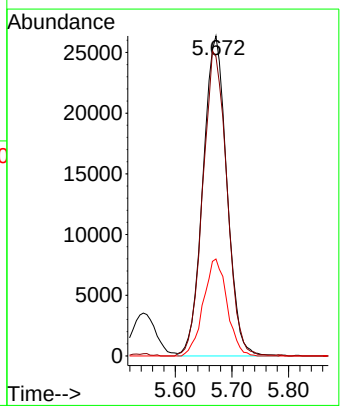


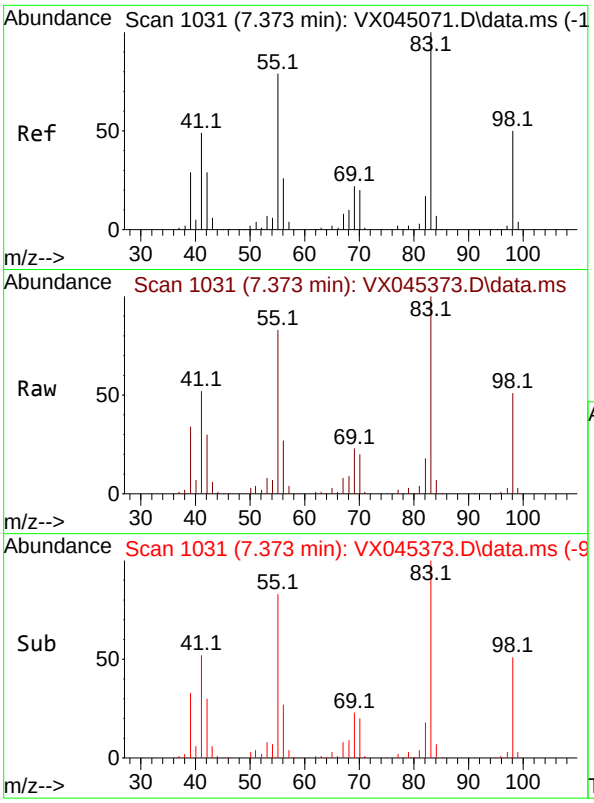


#38
Carbon Tetrachloride
Concen: 50.002 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 77143

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
121	30.3	25.5	38.3



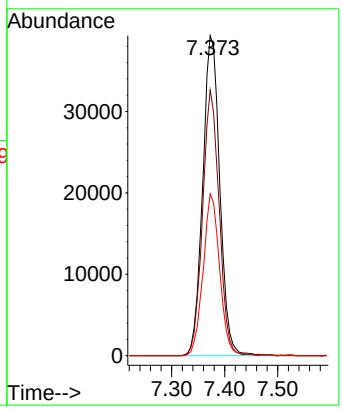


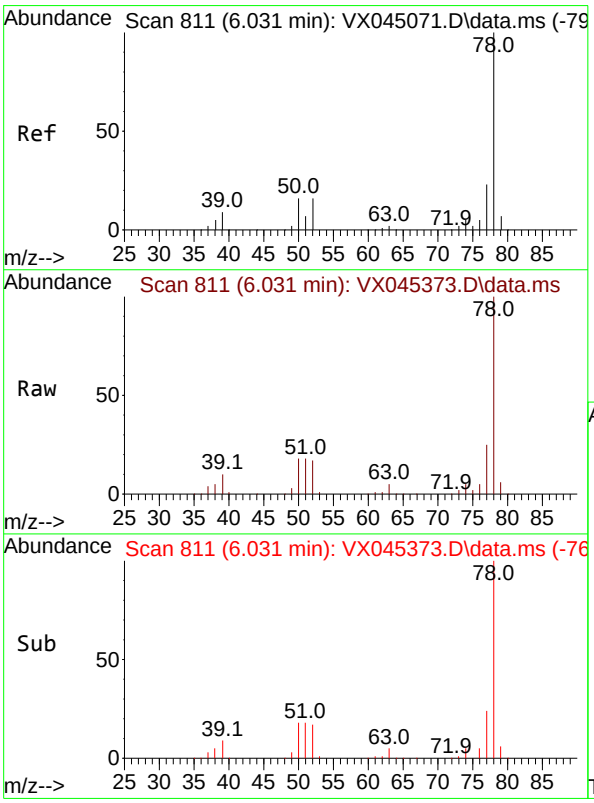
#39
Methylcyclohexane
Concen: 48.320 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87986

Ion	Ratio	Lower	Upper
83	100		
55	83.0	63.0	94.4
98	50.5	39.7	59.5

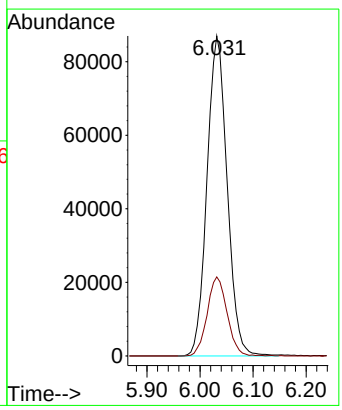


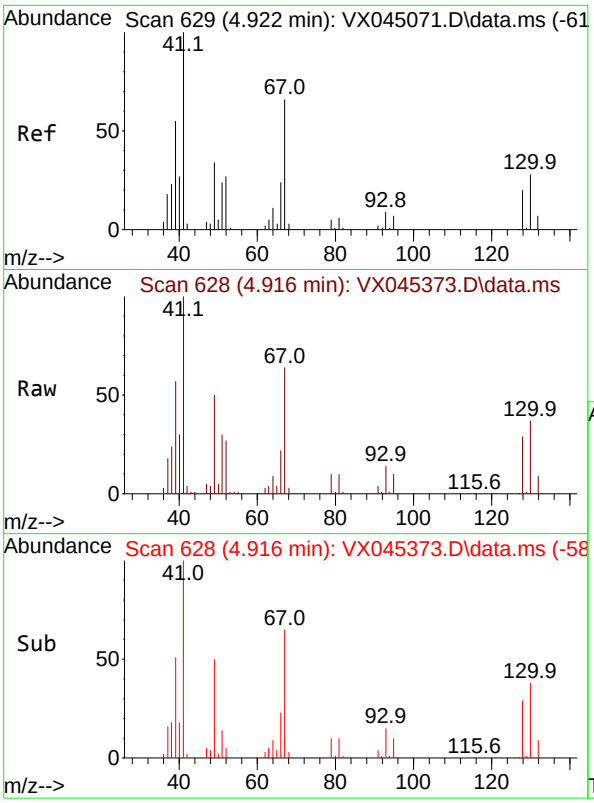


#40
Benzene
Concen: 47.823 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 78 Resp: 229488

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2



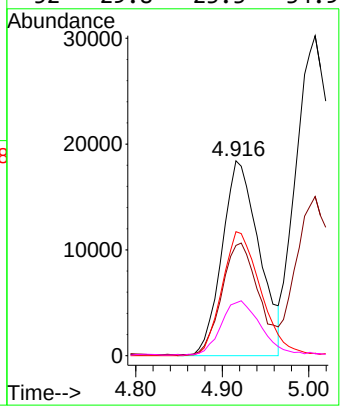


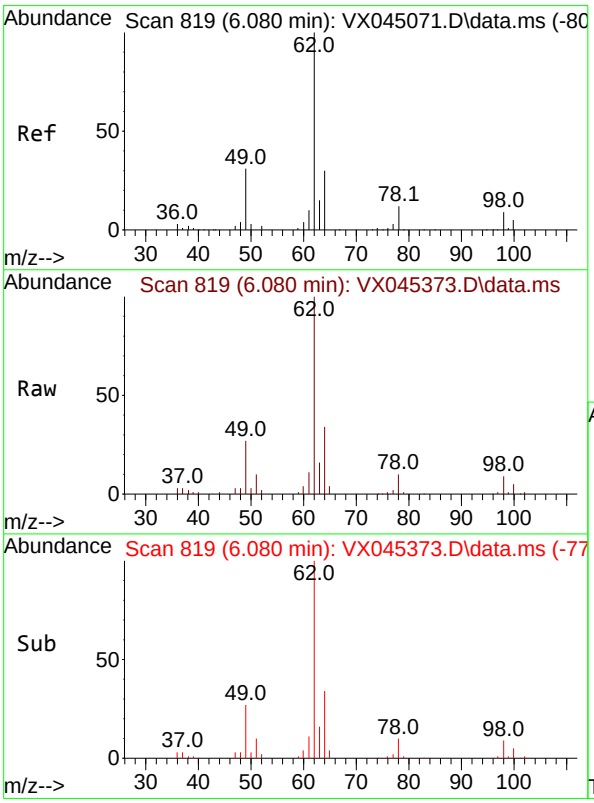
#41
Methacrylonitrile
Concen: 51.857 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 54907

Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	66.5	53.9	80.9
52	29.8	23.3	34.9

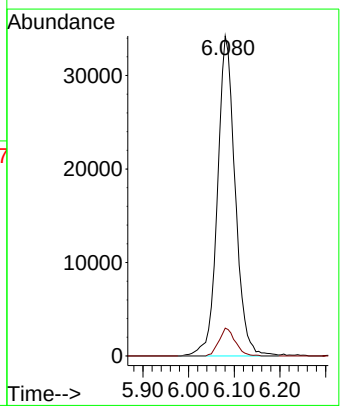


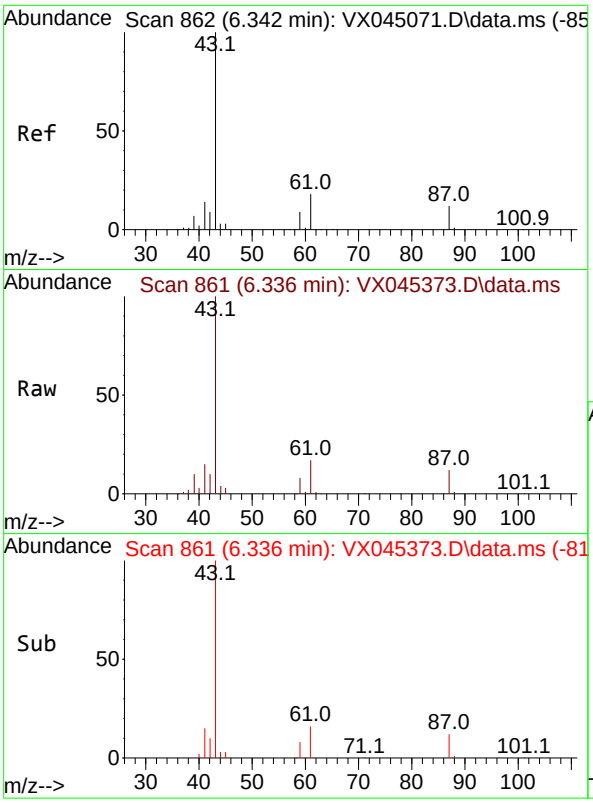


#42
1,2-Dichloroethane
Concen: 53.313 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 92126

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2



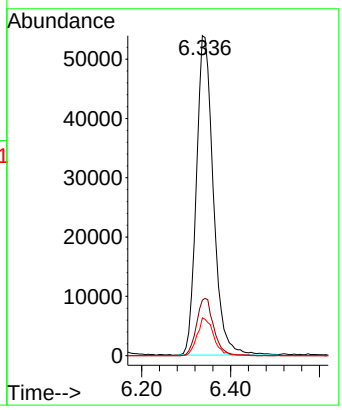


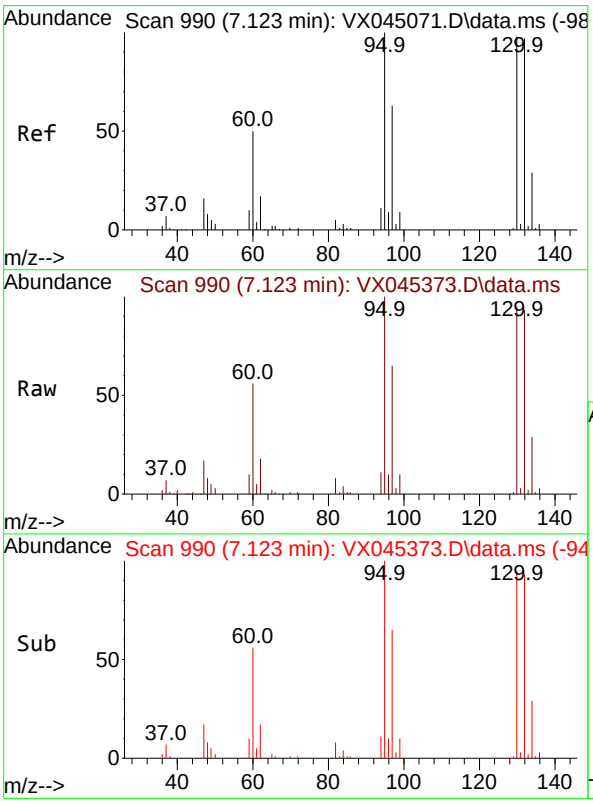
#43
Isopropyl Acetate
Concen: 49.361 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 142927

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.9	22.3
87	11.6	9.4	14.2

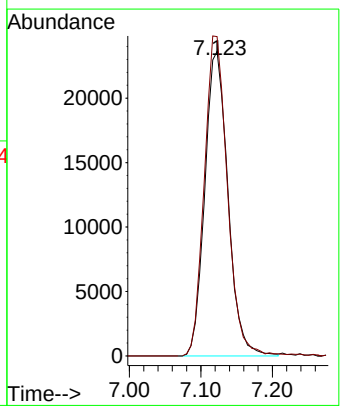


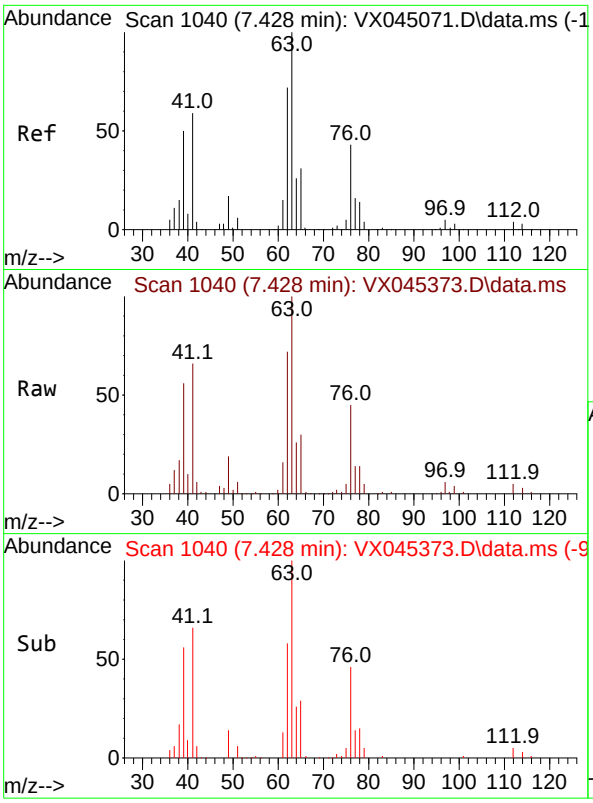


#44
Trichloroethene
Concen: 47.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:130 Resp: 53184

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	205.0



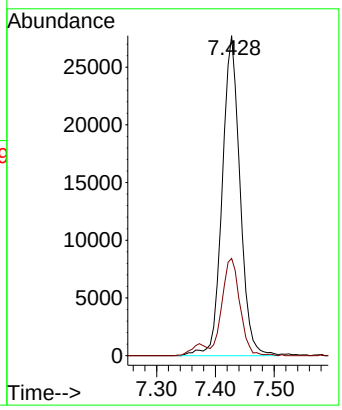


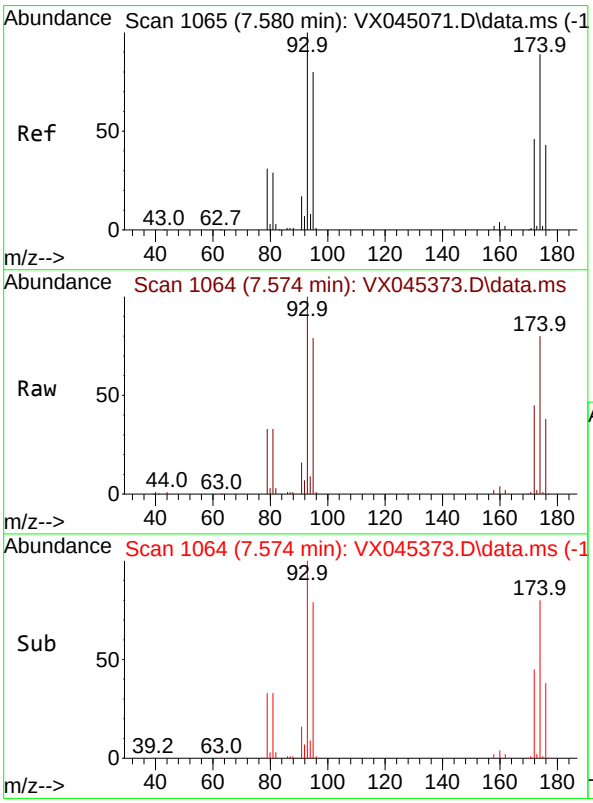
#45
1,2-Dichloropropane
Concen: 47.336 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 58403

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1

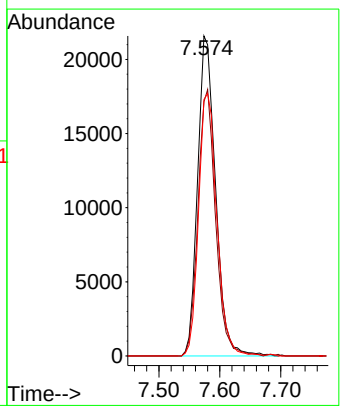


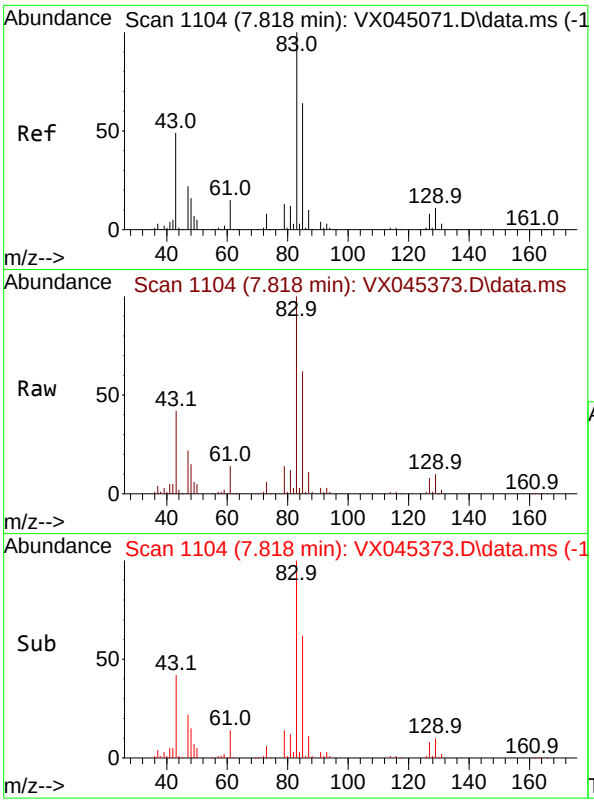


#46
Dibromomethane
Concen: 50.776 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 93 Resp: 44280

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.8
174	83.4	72.2	108.2



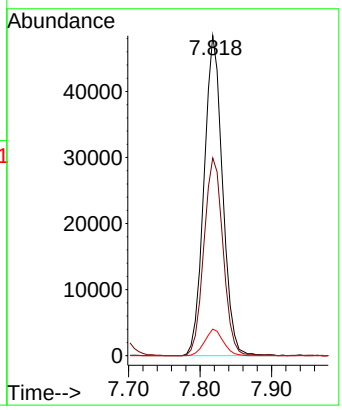


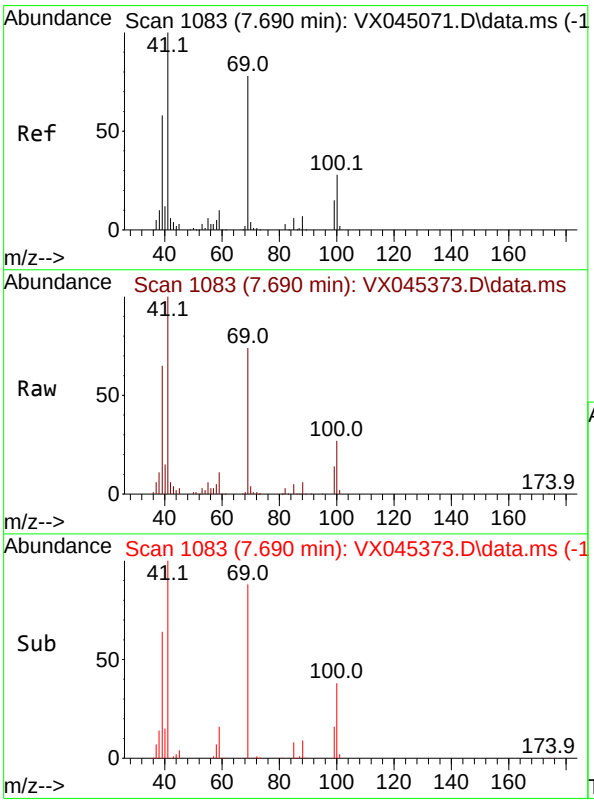
#47
Bromodichloromethane
Concen: 50.921 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87101

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.3	6.4	9.6

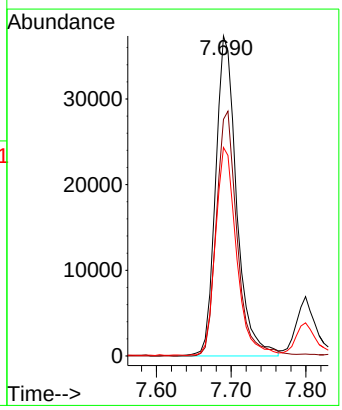


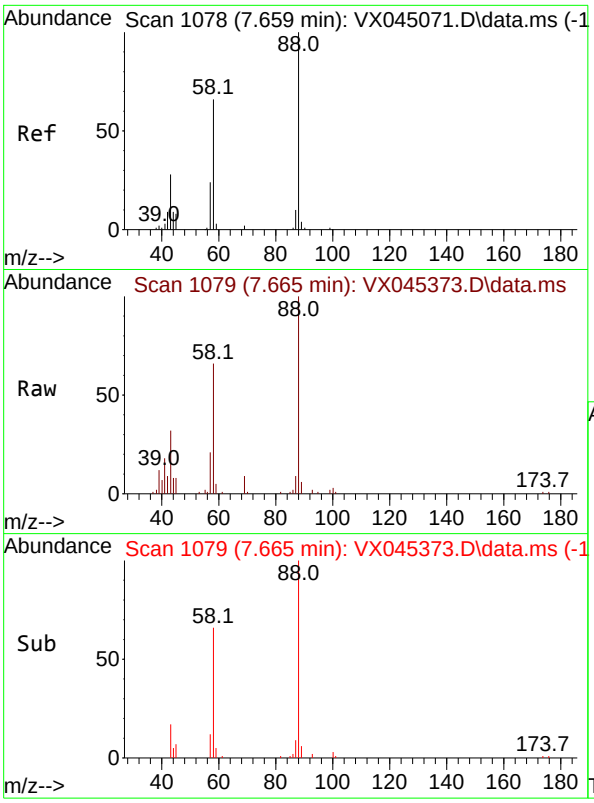


#48
Methyl methacrylate
Concen: 50.381 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 73187

Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.0	94.6
39	64.9	47.5	71.3



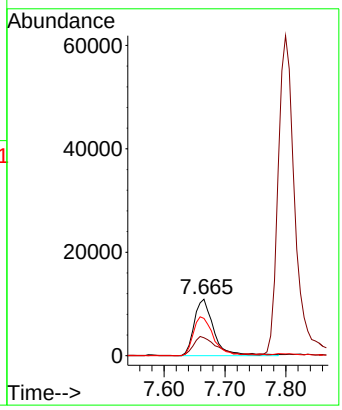


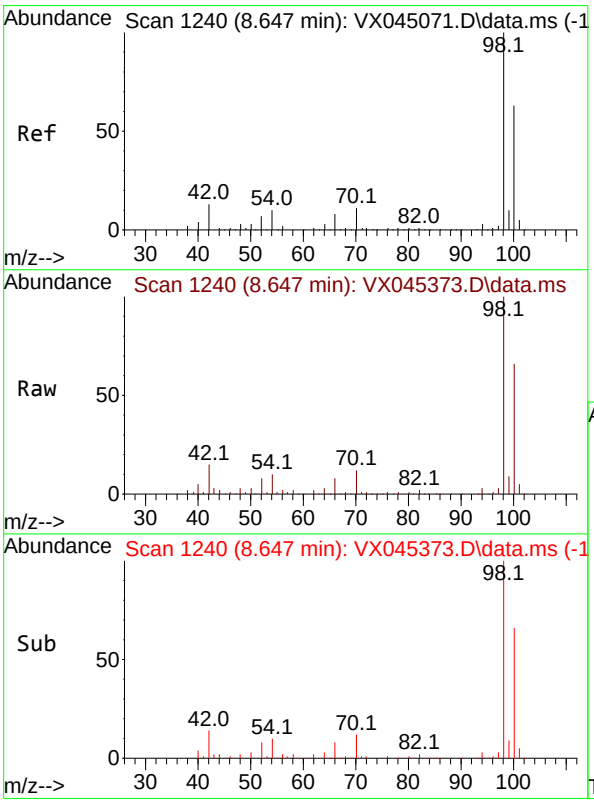
#49
1,4-Dioxane
Concen: 799.865 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24510

Ion	Ratio	Lower	Upper
88	100		
43	41.0	28.7	43.1
58	69.1	55.8	83.8

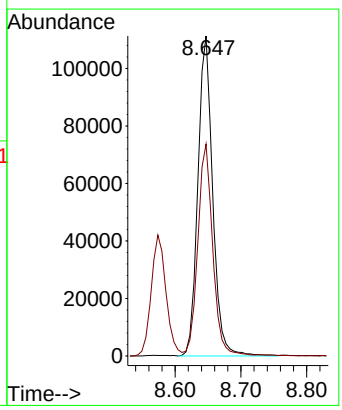


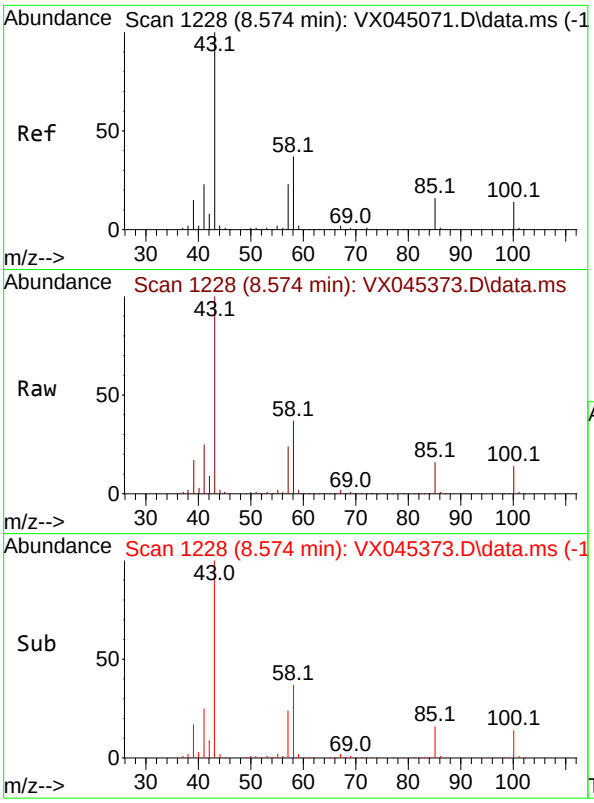


#50
Toluene-d8
Concen: 43.410 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 98 Resp: 174390

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.0	78.0



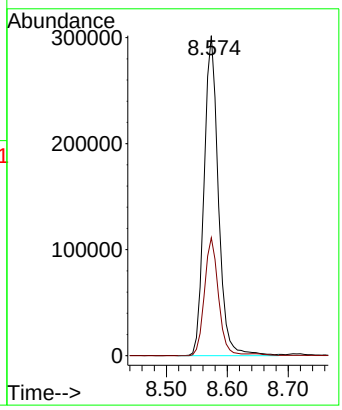


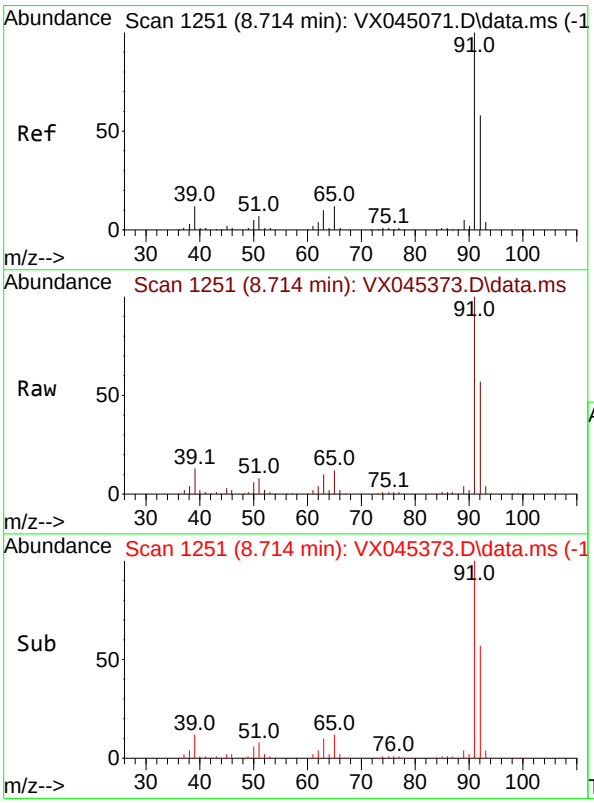
#51
4-Methyl-2-Pentanone
Concen: 252.898 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 491687

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

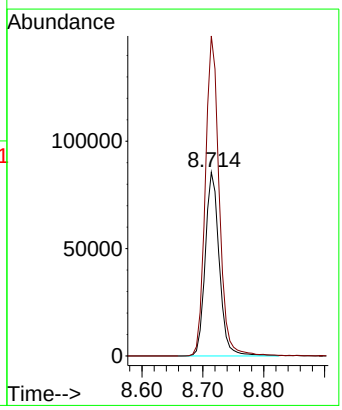


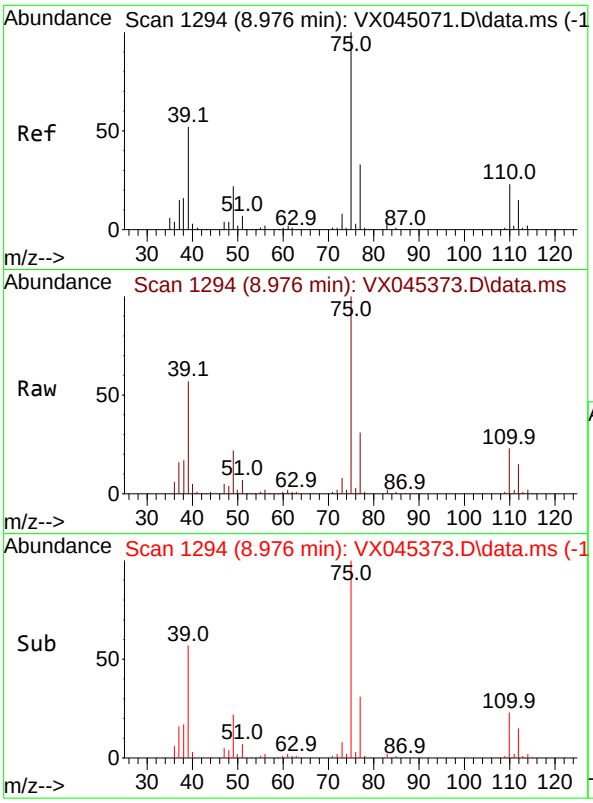


#52
Toluene
Concen: 48.708 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 92 Resp: 137136

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.9	208.3



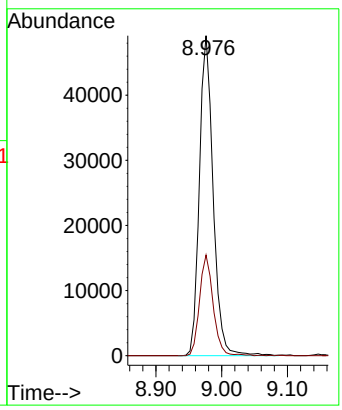


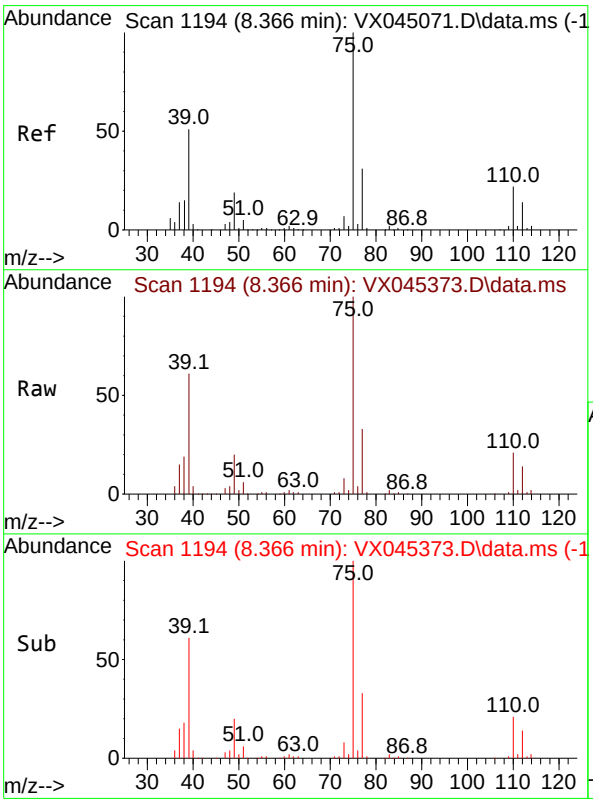
#53
t-1,3-Dichloropropene
Concen: 50.020 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 71529

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

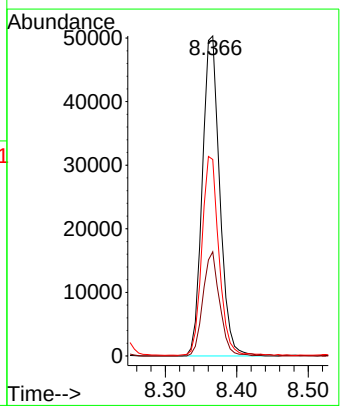


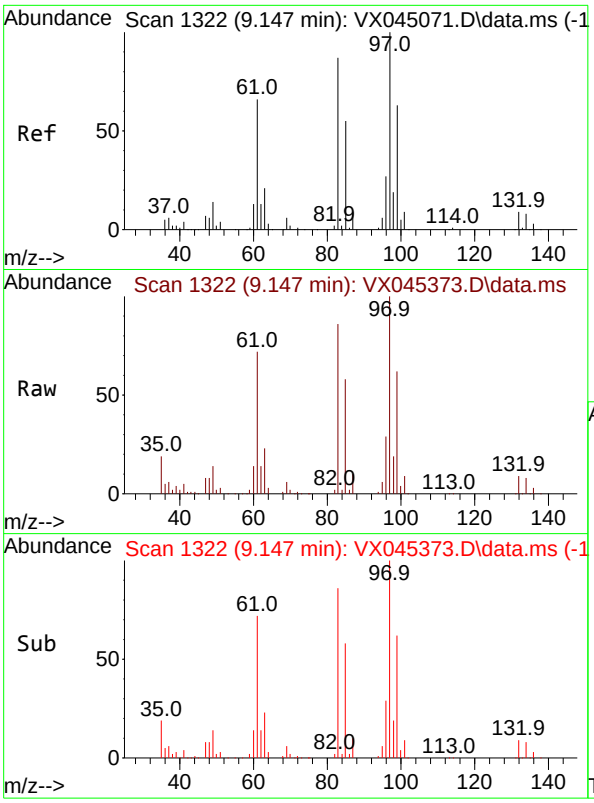


#54
cis-1,3-Dichloropropene
Concen: 50.990 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 85027

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.7	37.1
39	61.2	40.7	61.1#



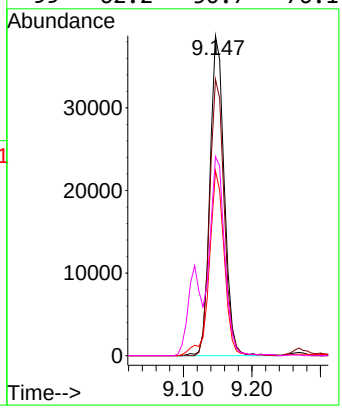


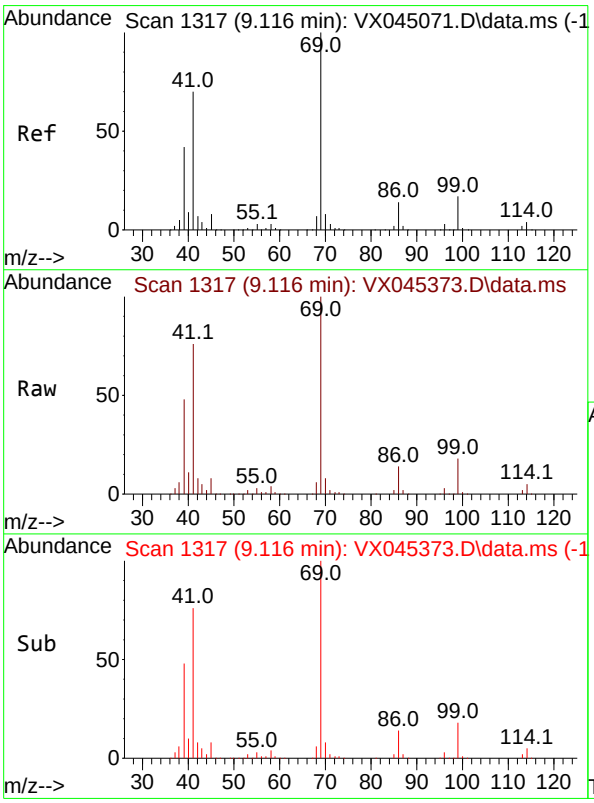
#55
1,1,2-Trichloroethane
Concen: 48.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 56424

Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	57.8	44.1	66.1
99	62.2	50.7	76.1

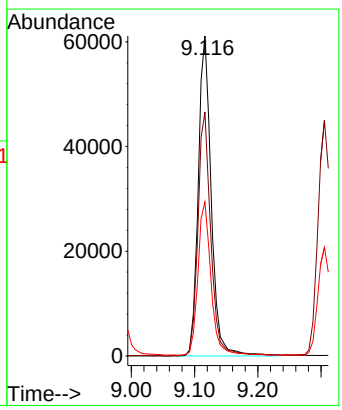


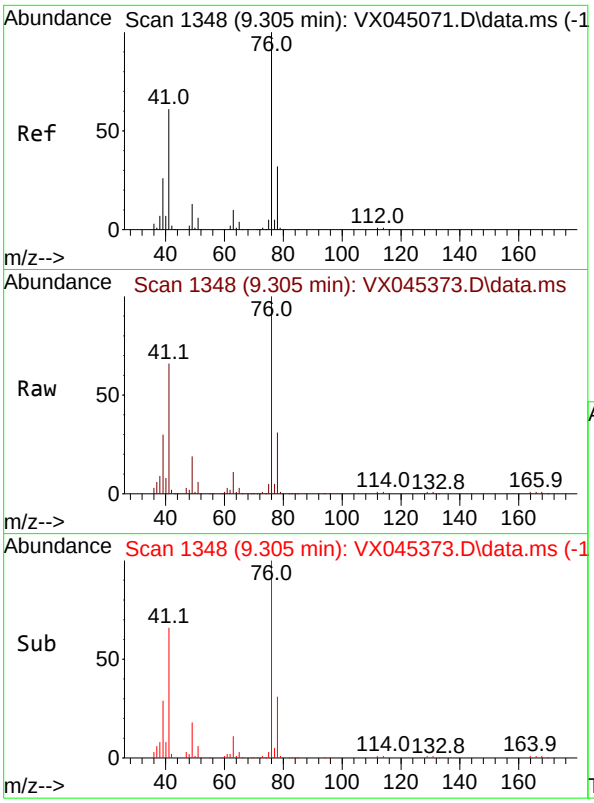


#56
Ethyl methacrylate
Concen: 49.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 69 Resp: 87573

Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.0	85.4
39	48.1	34.2	51.4



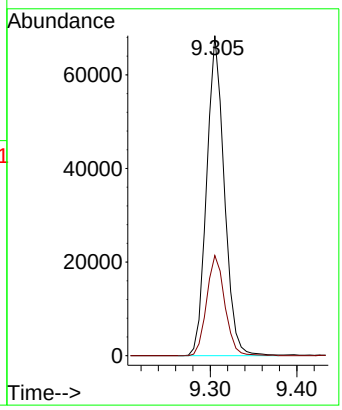


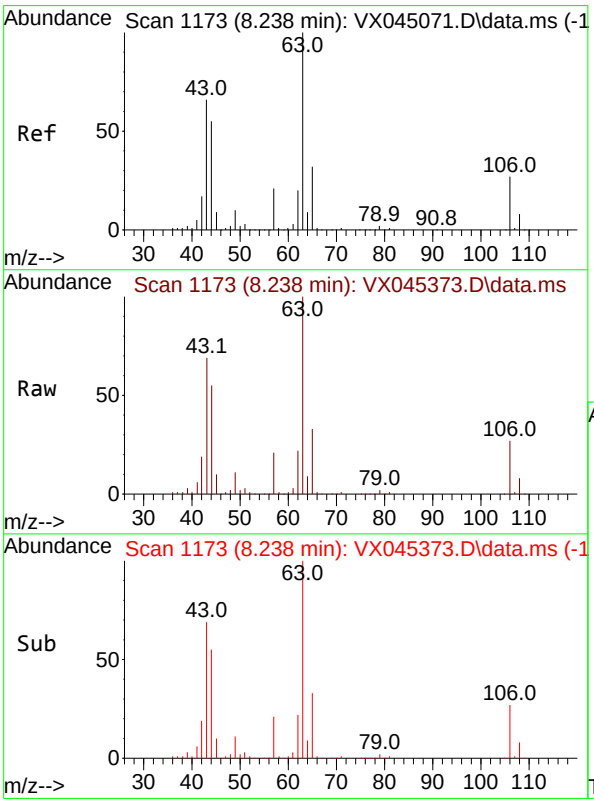
#57
1,3-Dichloropropane
Concen: 48.163 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 96608

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

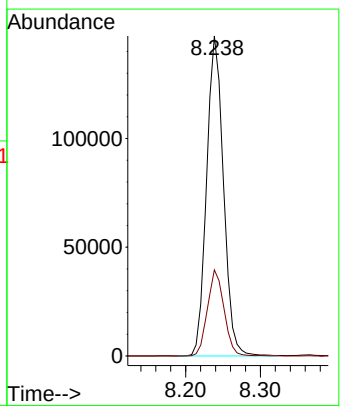


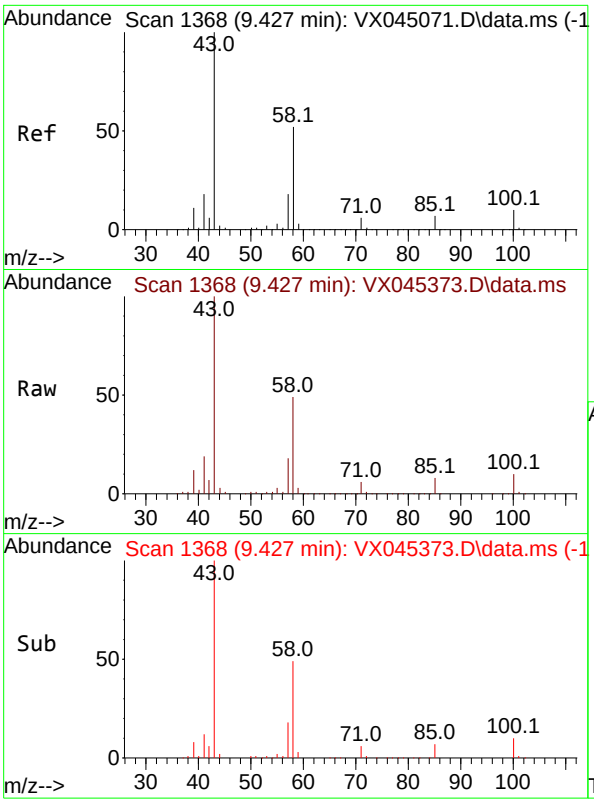


#58
2-Chloroethyl Vinyl ether
Concen: 268.242 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 230541

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



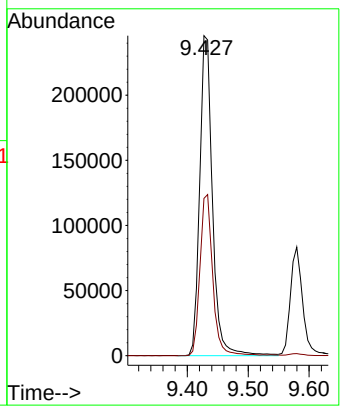


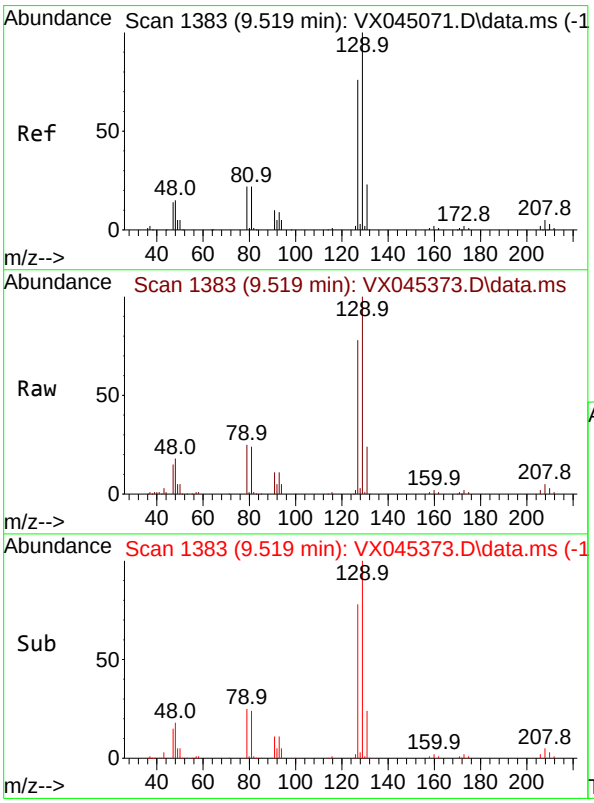
#59
2-Hexanone
Concen: 254.850 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 358998

Ion	Ratio	Lower	Upper
43	100		
58	50.6	25.9	77.6

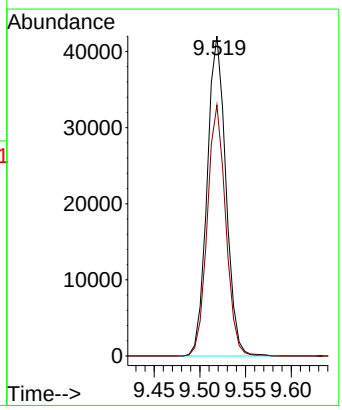


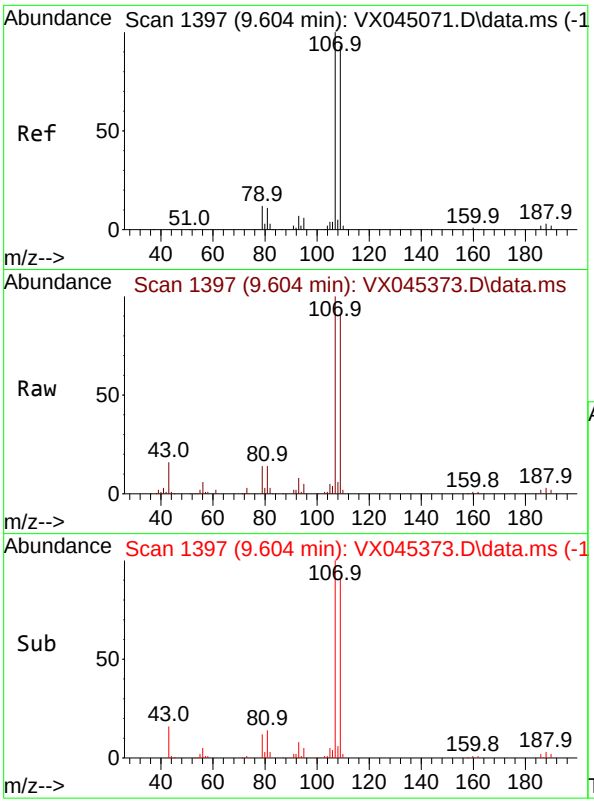


#60
Dibromochloromethane
Concen: 49.346 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:129 Resp: 59803

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



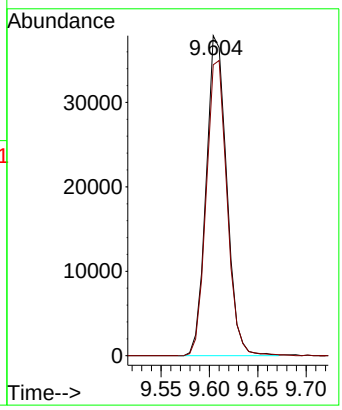


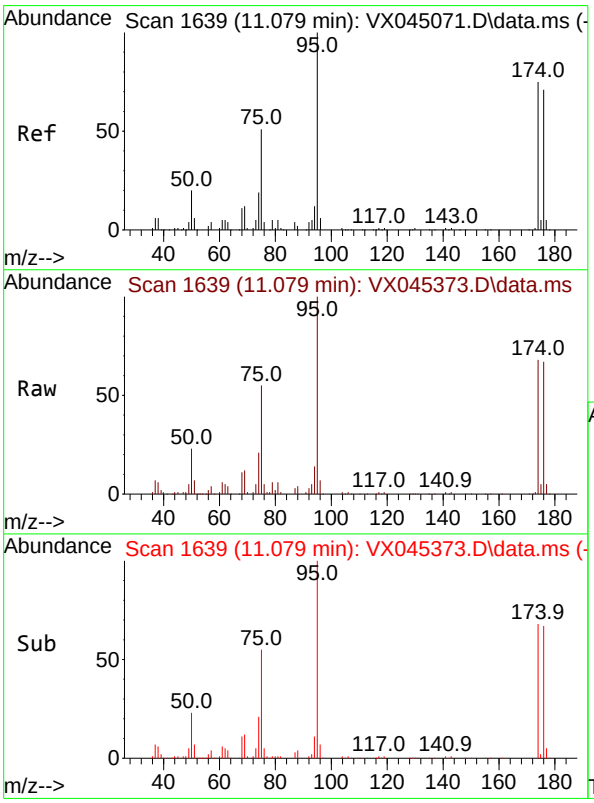
#61
1,2-Dibromoethane
Concen: 48.470 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 56084

Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1

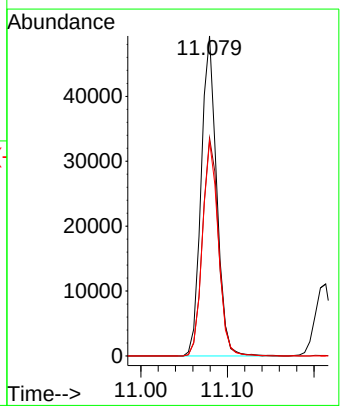


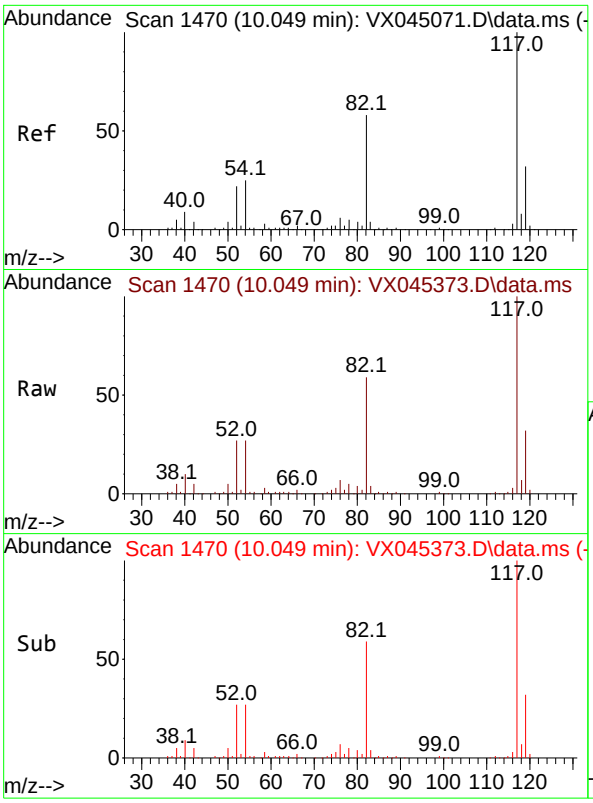


#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 95 Resp: 61298

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	68.5	0.0	141.4



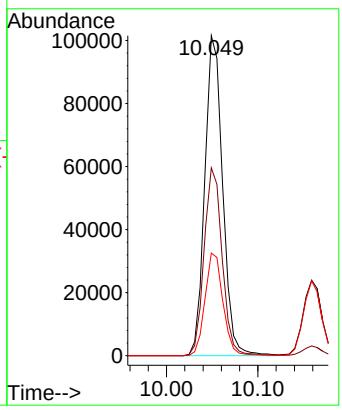


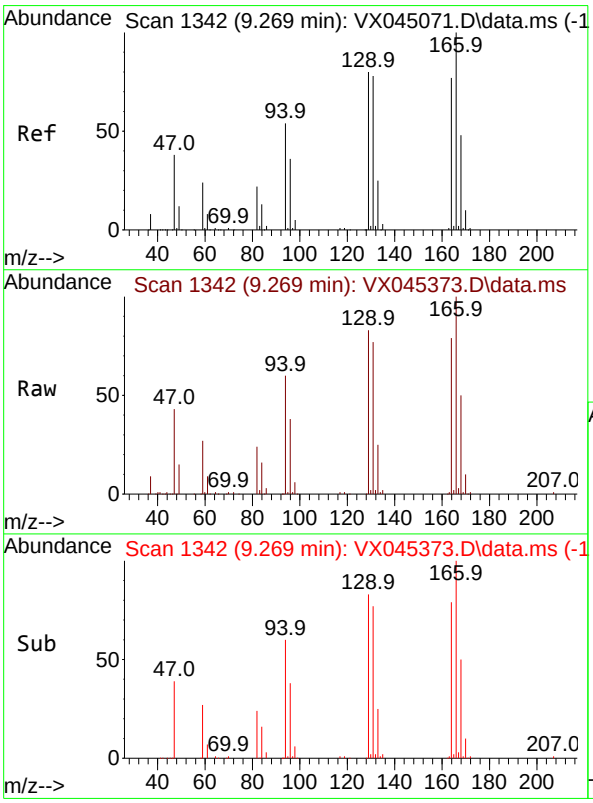
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 137688

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	32.1	25.7	38.5

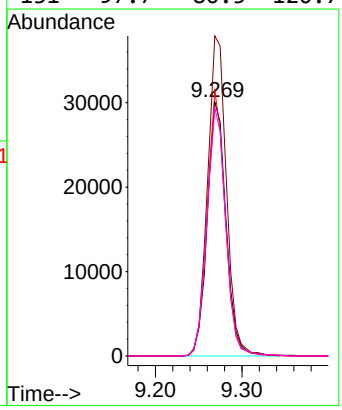


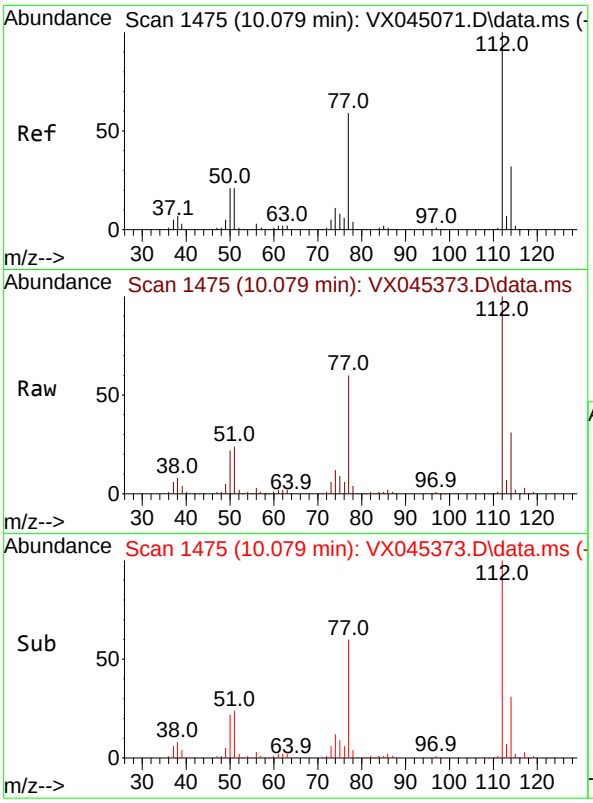


#64
Tetrachloroethene
Concen: 51.351 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:164 Resp: 45283

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	104.4	82.7	124.1
131	97.7	80.5	120.7



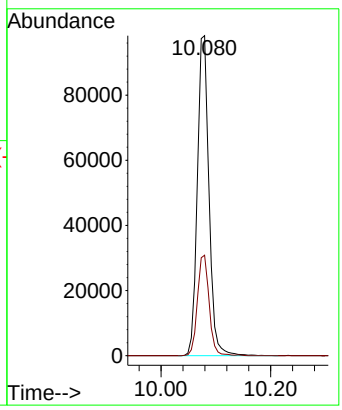


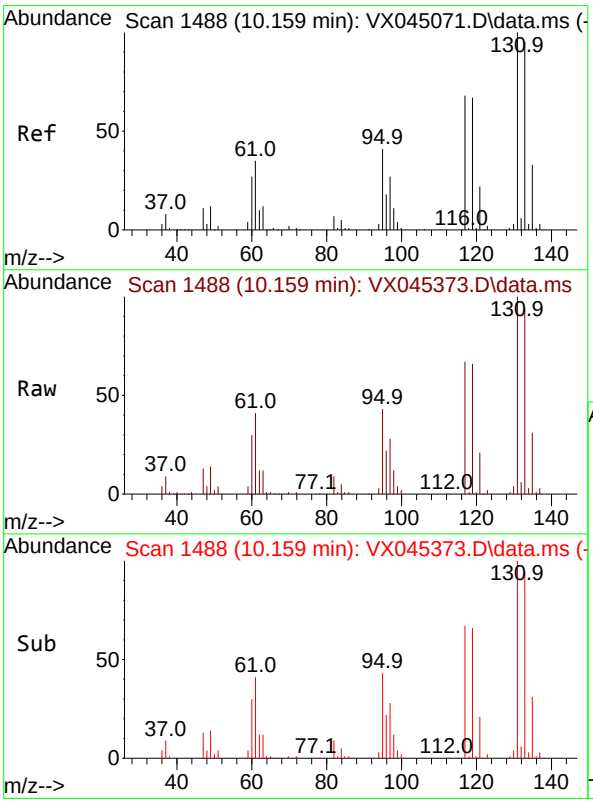
#65
Chlorobenzene
Concen: 49.767 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 144993

Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

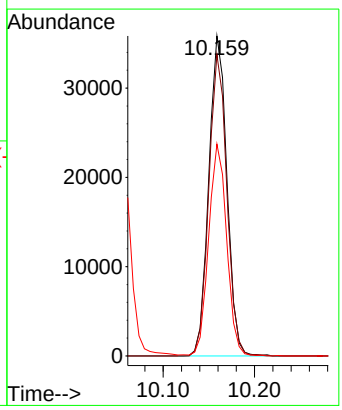


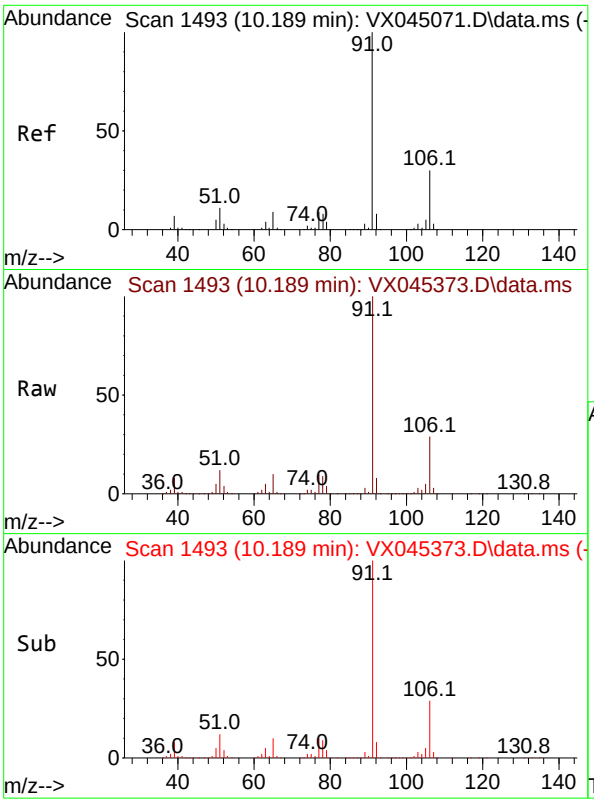


#66
1,1,1,2-Tetrachloroethane
Concen: 50.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:131 Resp: 49330

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	66.0	33.9	101.7



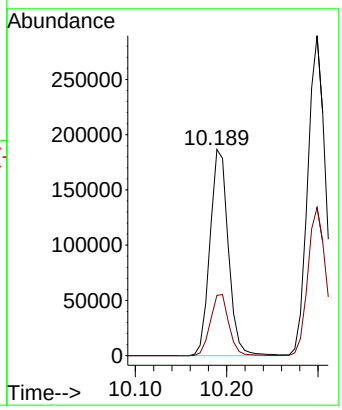


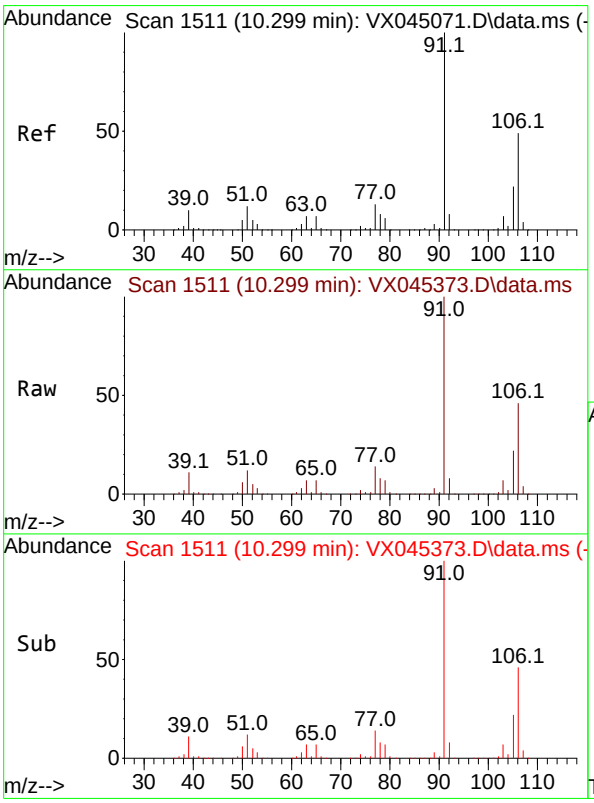
#67
Ethyl Benzene
Concen: 51.160 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 259715

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9

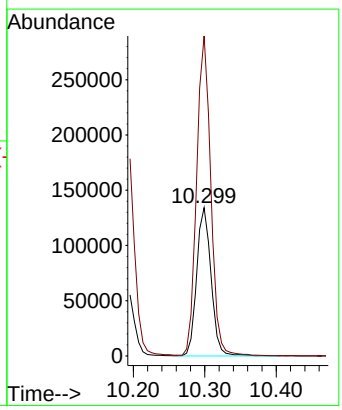


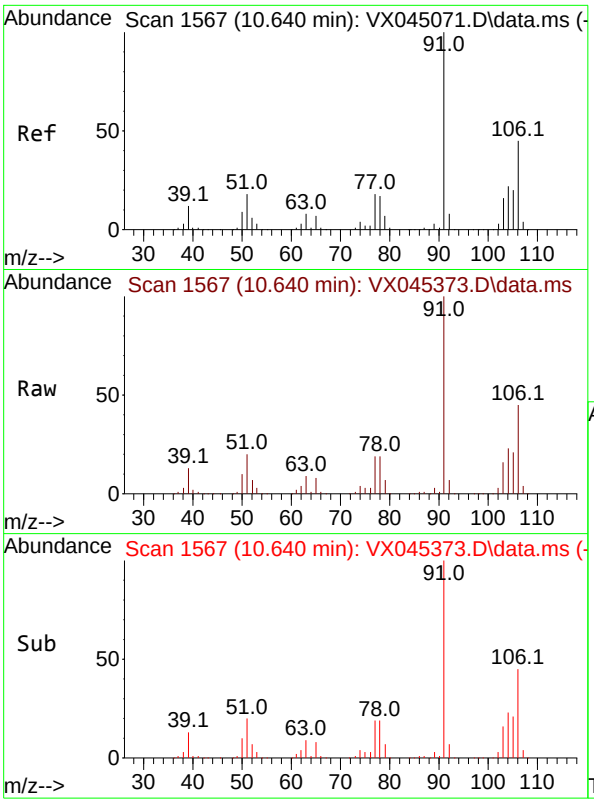


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 186973

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0



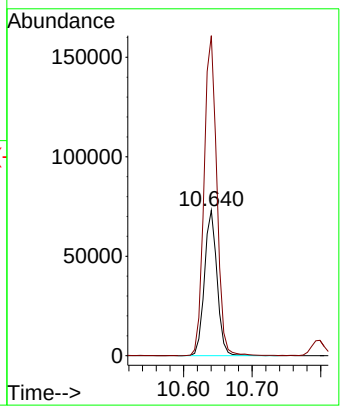


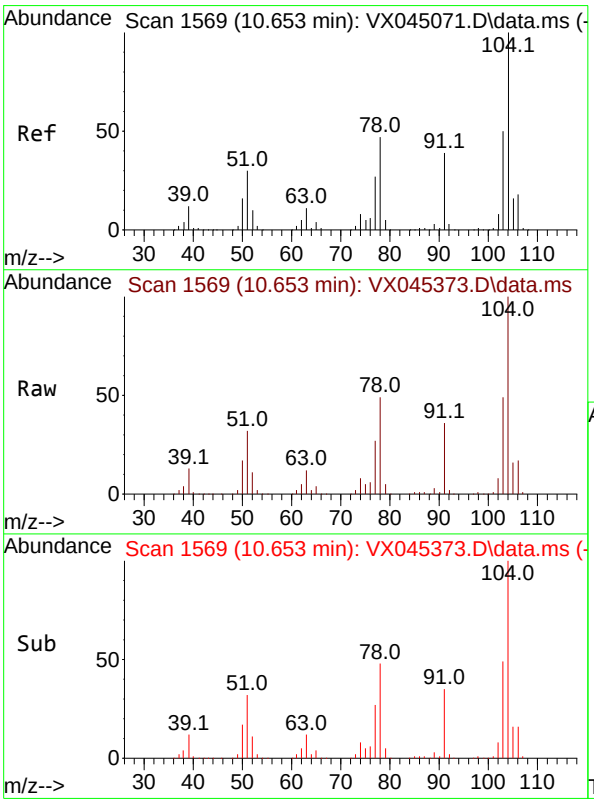
#69
o-Xylene
Concen: 49.785 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 93311

Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6

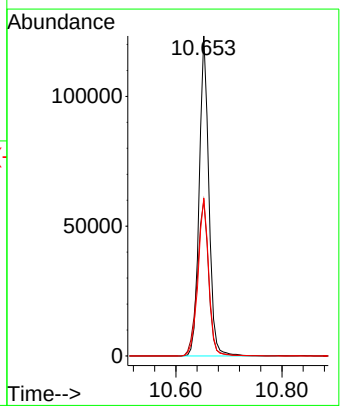


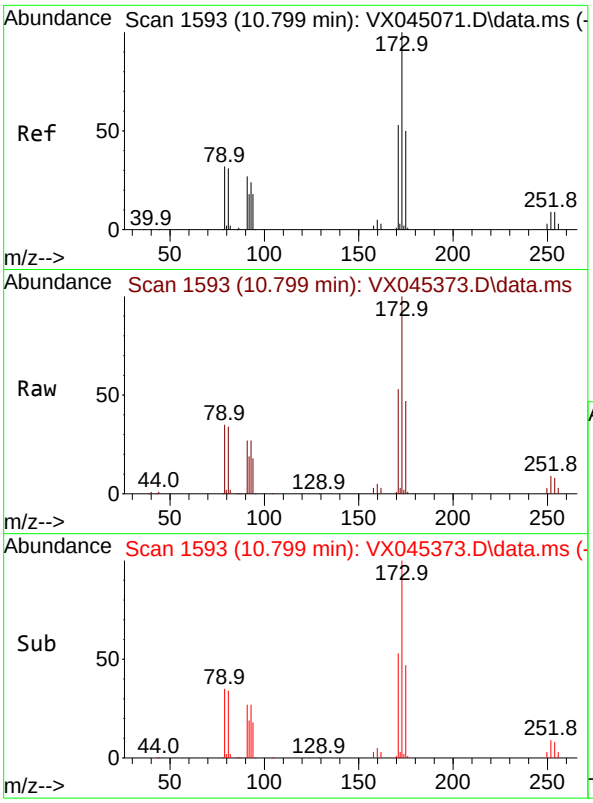


#70
Styrene
Concen: 51.533 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:104 Resp: 156285

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.2	63.4
103	54.6	43.8	65.8



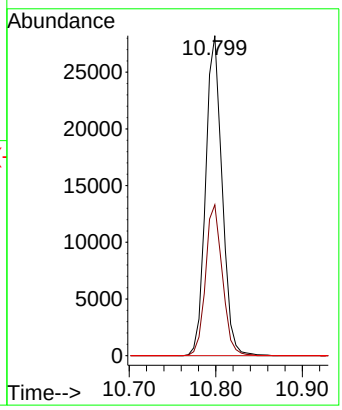


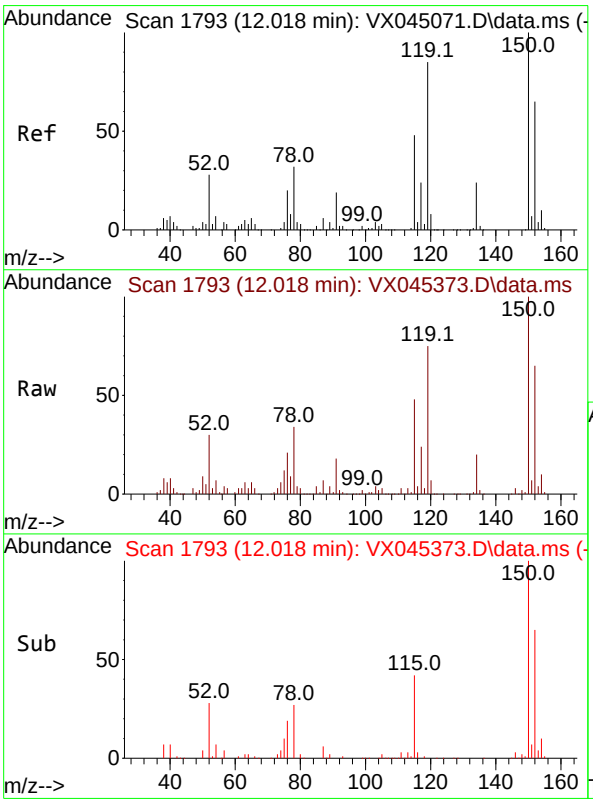
#71
Bromoform
Concen: 51.008 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 37320

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0

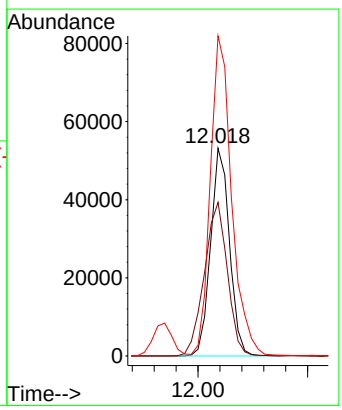


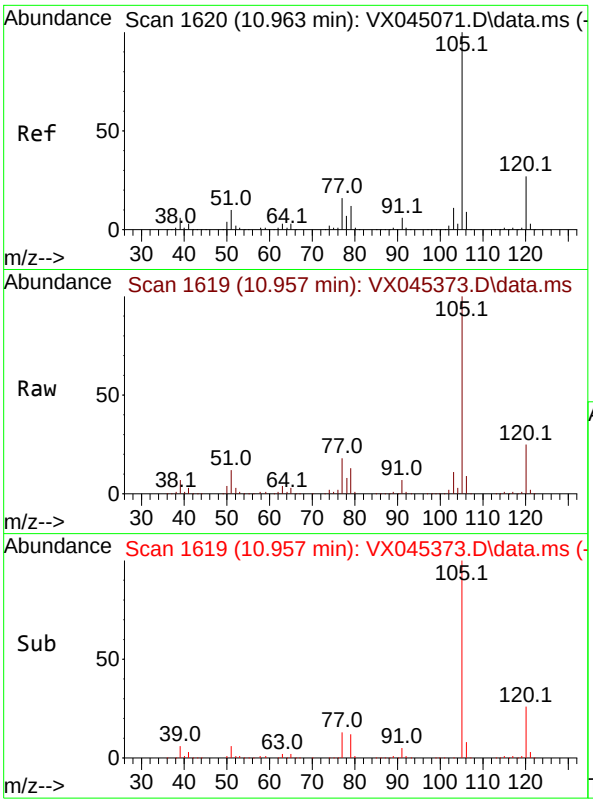


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:152 Resp: 63601

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.9	0.0	349.0



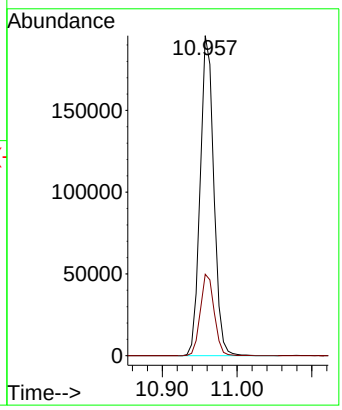


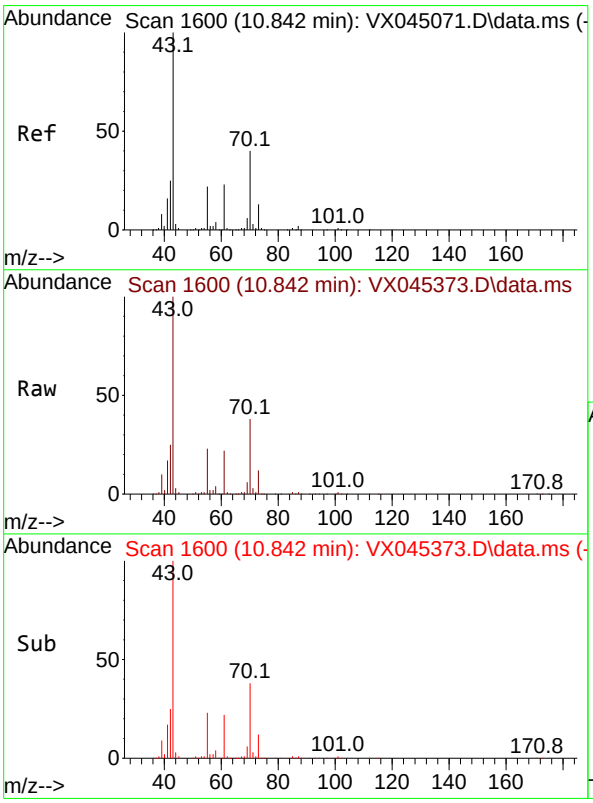
#73
Isopropylbenzene
Concen: 49.801 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 247227

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

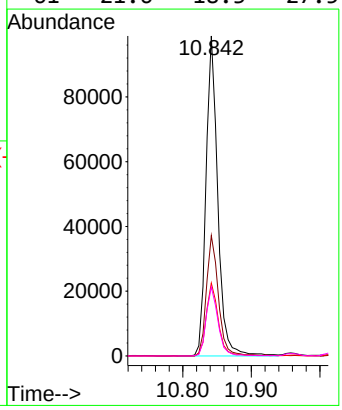


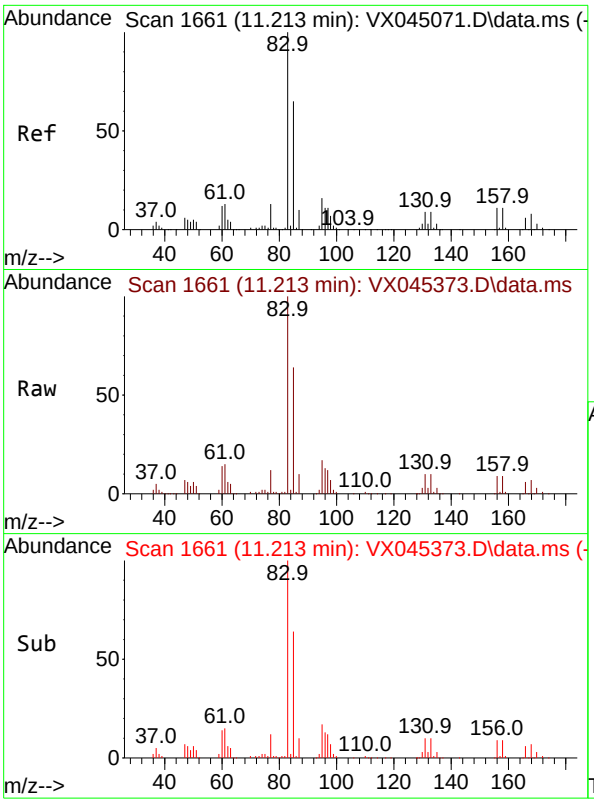


#74
N-amyl acetate
Concen: 50.753 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 118224

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.6	18.3	27.5
61	21.6	18.3	27.5



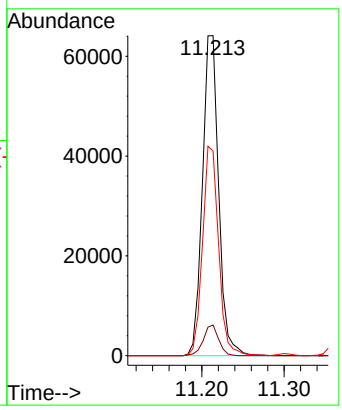


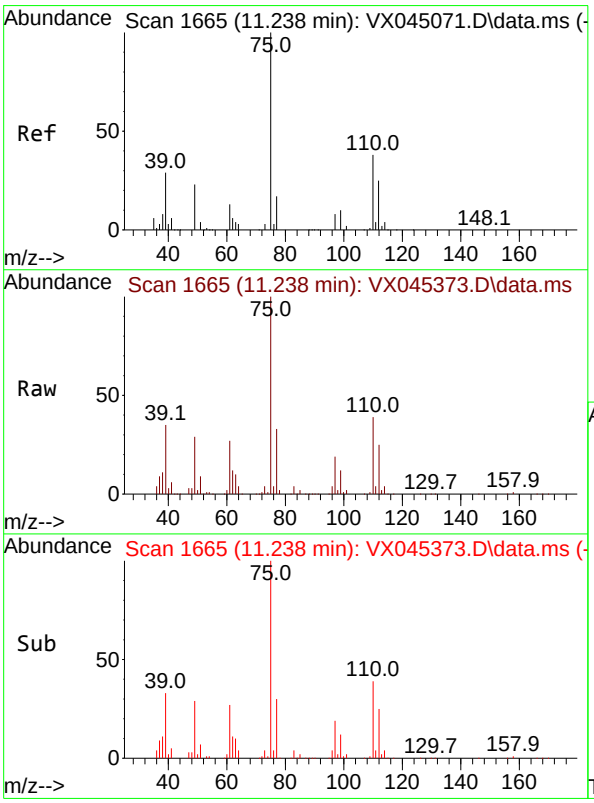
#75
1,1,2,2-Tetrachloroethane
Concen: 48.314 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 88014

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.6	31.7	95.1

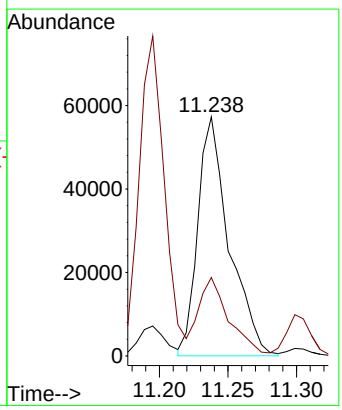


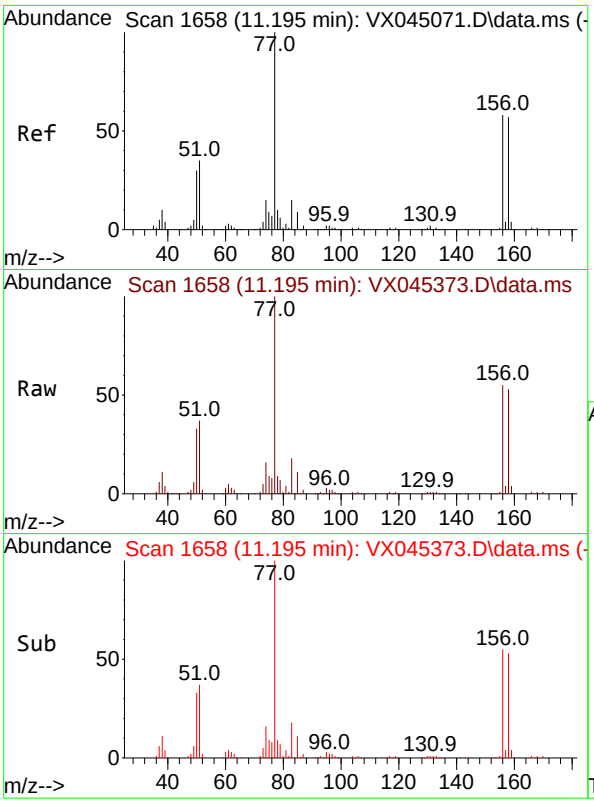


#76
1,2,3-Trichloropropane
Concen: 61.575 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 91150

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.7	62.1



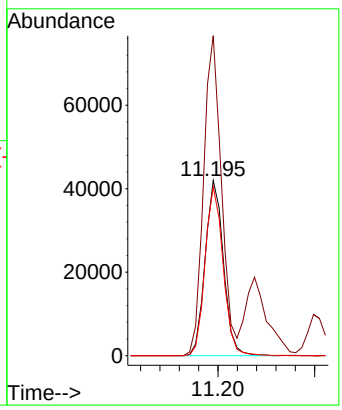


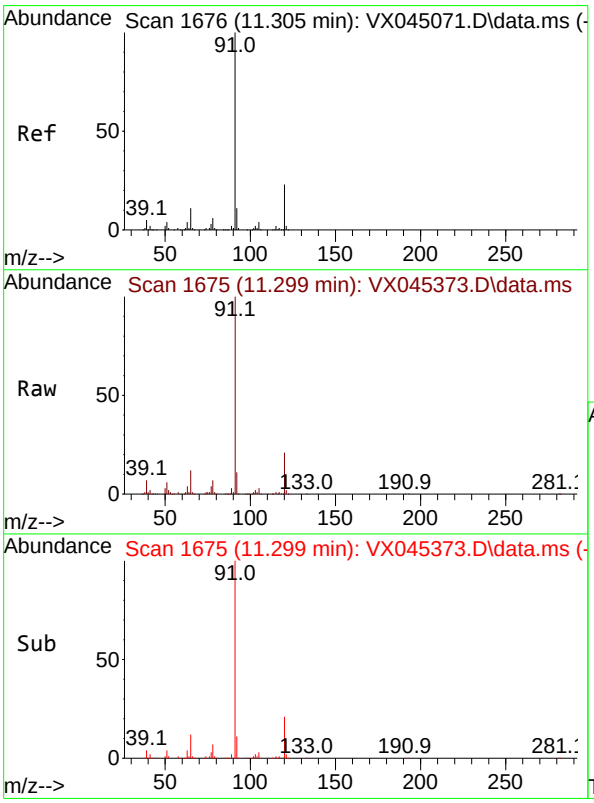
#77
Bromobenzene
Concen: 47.066 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 55127

Ion	Ratio	Lower	Upper
156	100		
77	178.9	85.8	257.4
158	95.5	48.4	145.2

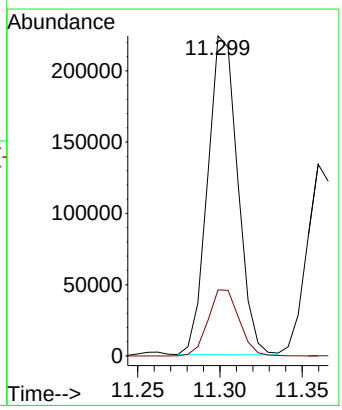


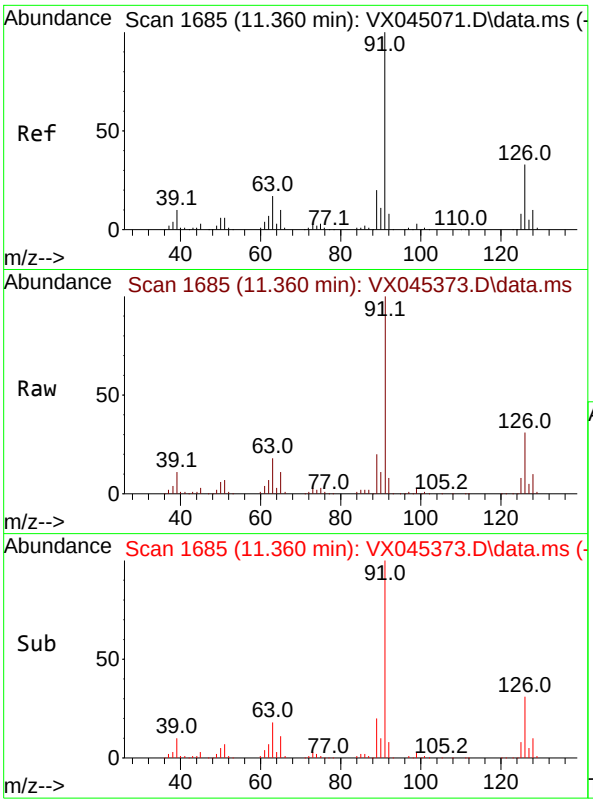


#78
n-propylbenzene
Concen: 50.665 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 284120

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



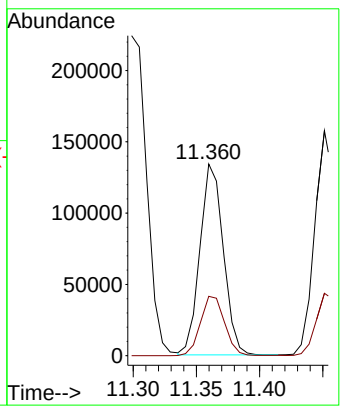


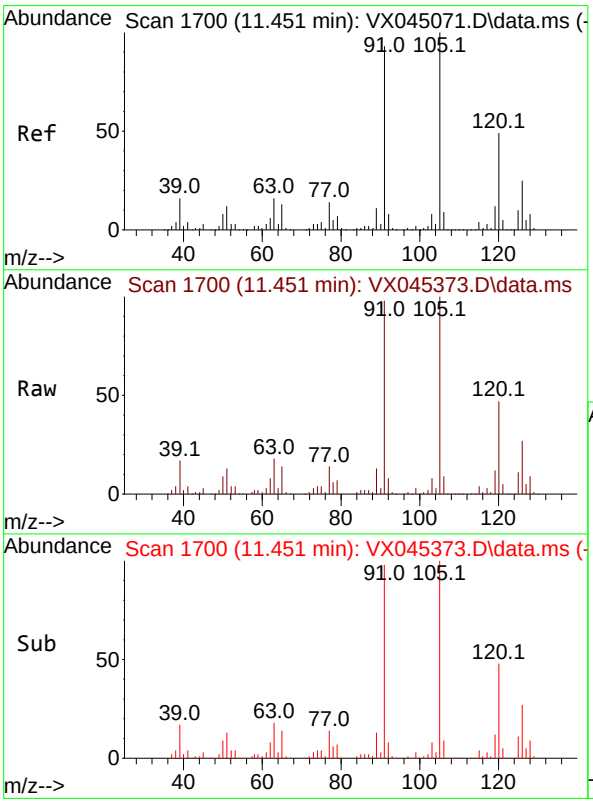
#79
2-Chlorotoluene
Concen: 48.292 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 172470

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

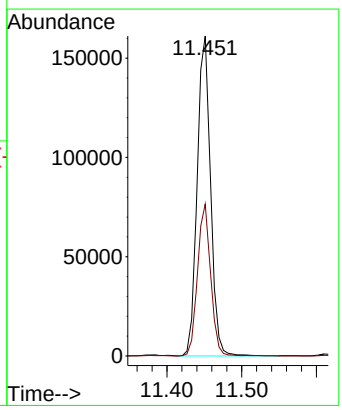


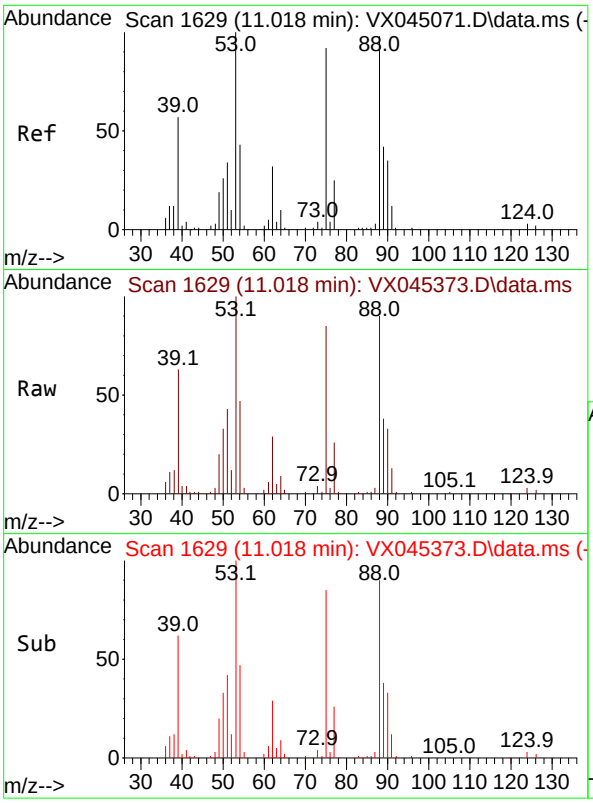


#80
1,3,5-Trimethylbenzene
Concen: 49.907 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 200325

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2



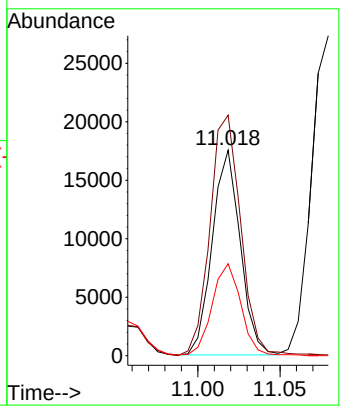


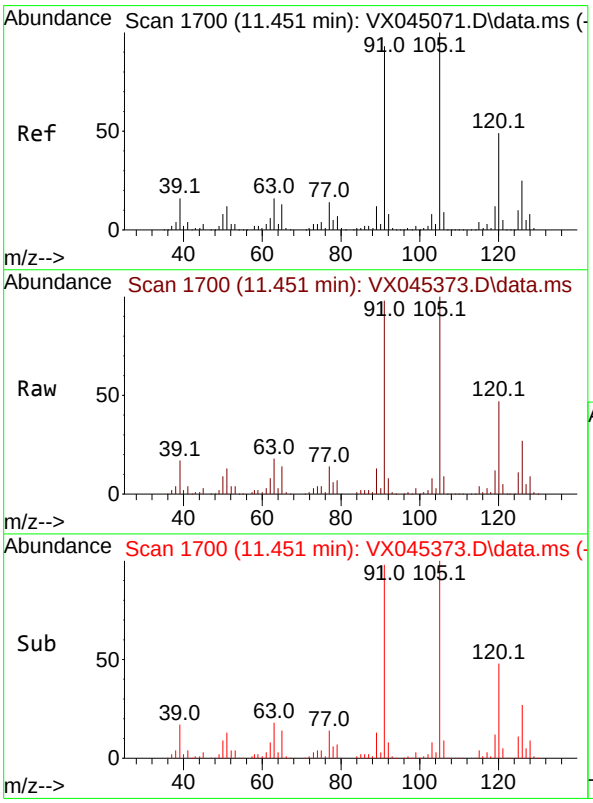
#81
trans-1,4-Dichloro-2-butene
Concen: 47.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 20719

Ion	Ratio	Lower	Upper
75	100		
53	129.9	88.5	132.7
89	46.3	36.2	54.4

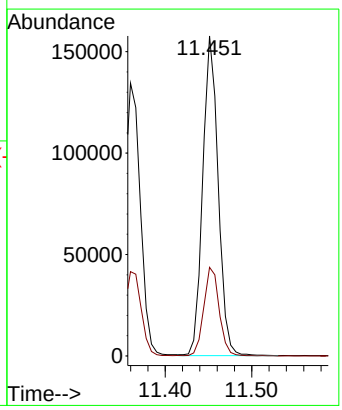


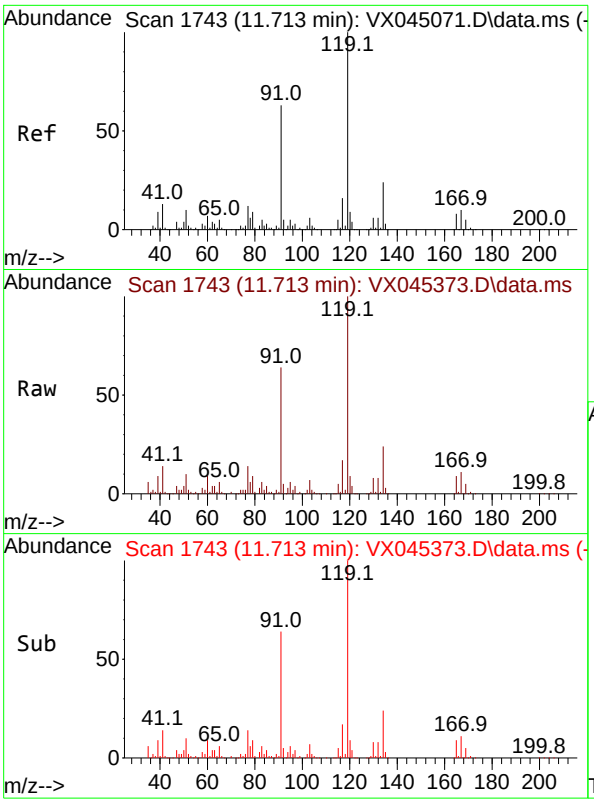


#82
4-Chlorotoluene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 195160

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



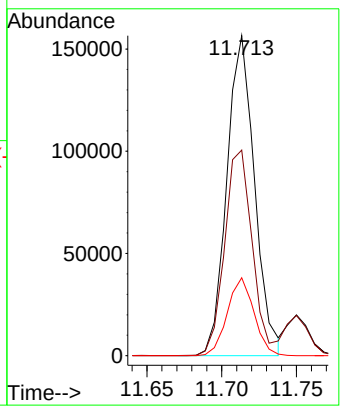


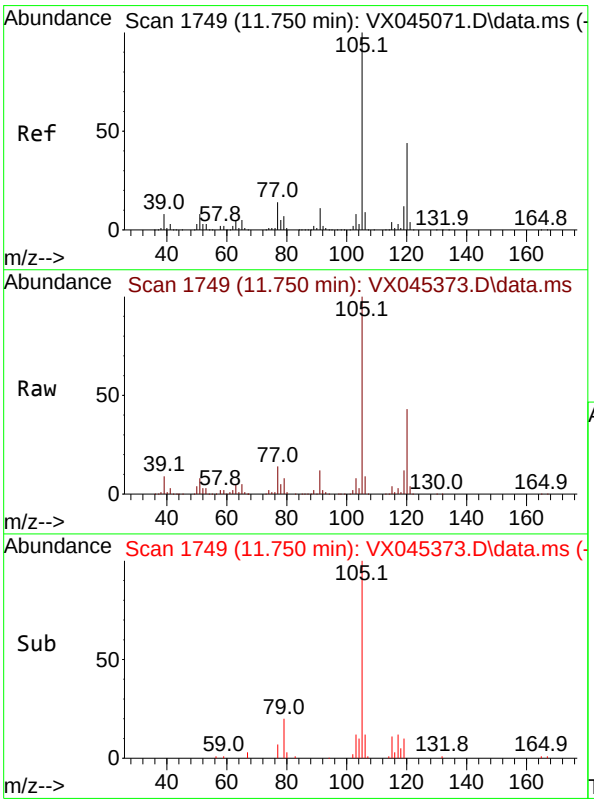
#83
tert-Butylbenzene
Concen: 48.993 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 202061

Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.7	92.1
134	23.4	11.7	35.0

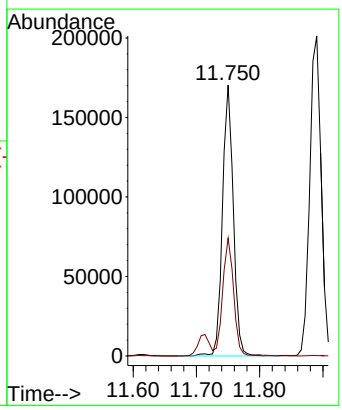


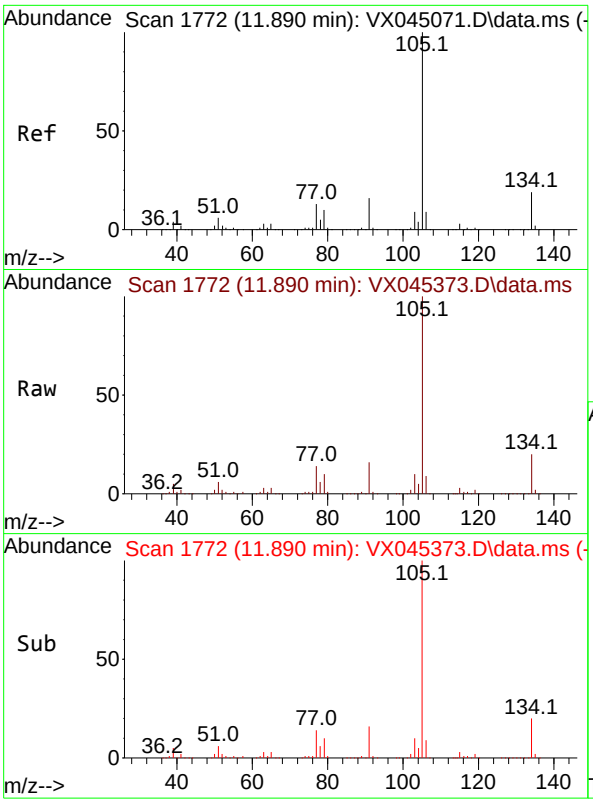


#84
1,2,4-Trimethylbenzene
Concen: 49.993 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 201914

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



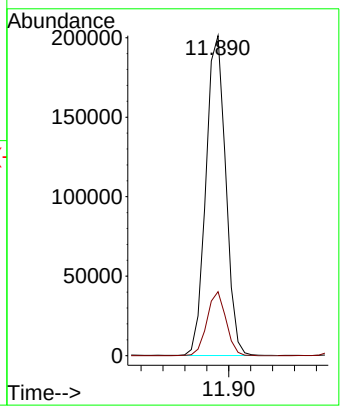


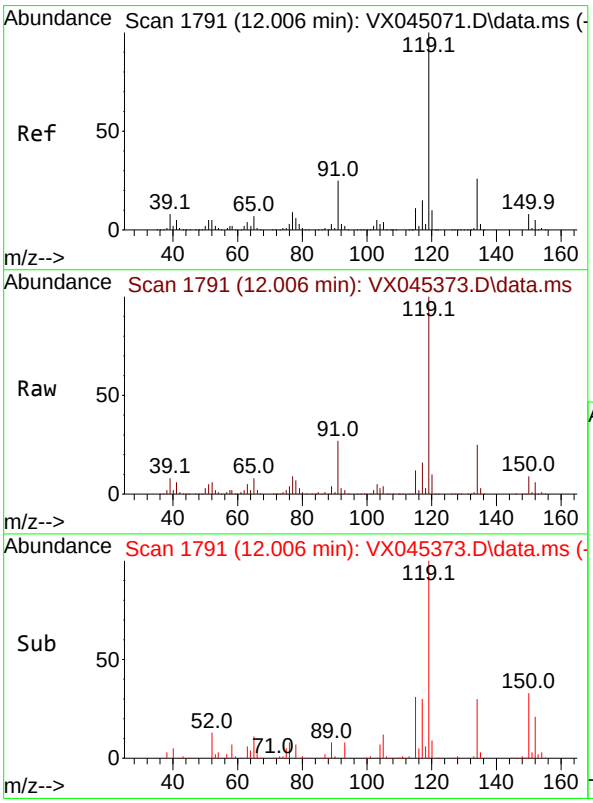
#85
sec-Butylbenzene
Concen: 51.032 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 252116

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

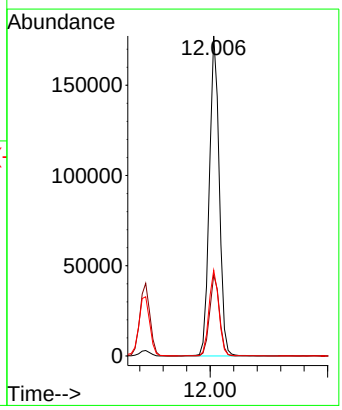


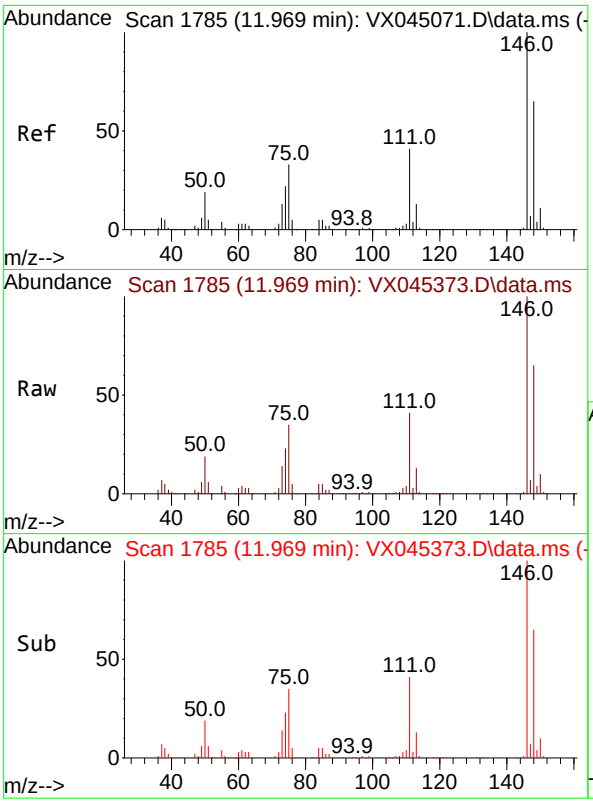


#86
p-Isopropyltoluene
Concen: 51.877 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 207118

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.0	12.7	38.0



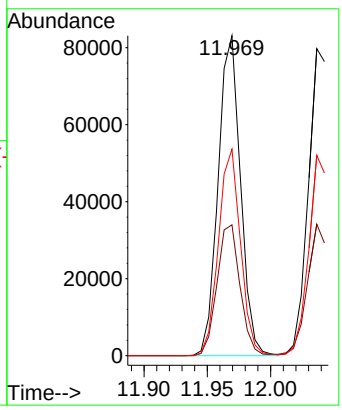


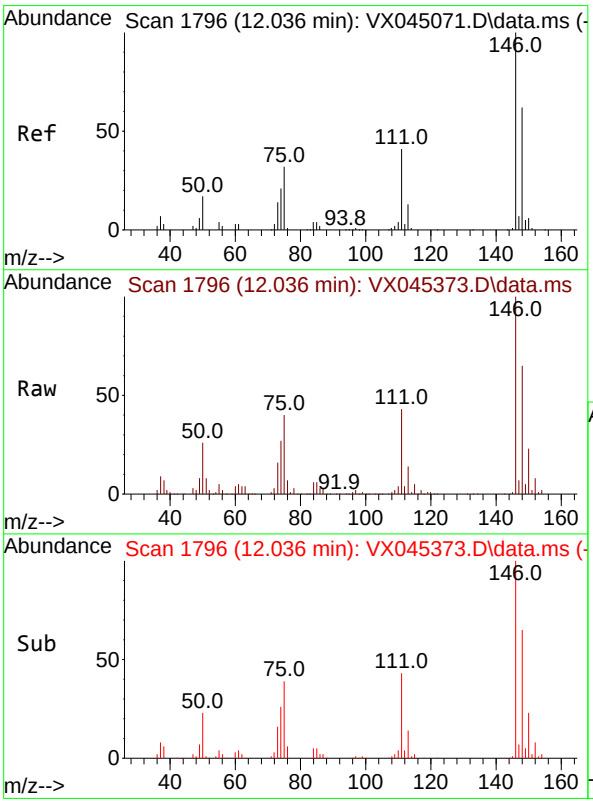
#87
1,3-Dichlorobenzene
Concen: 48.793 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 101952

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

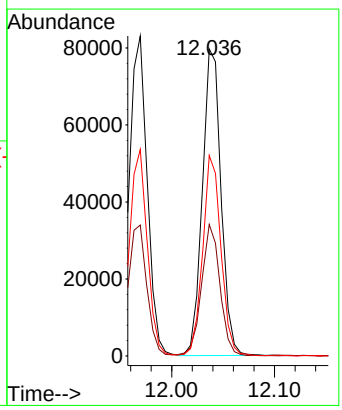


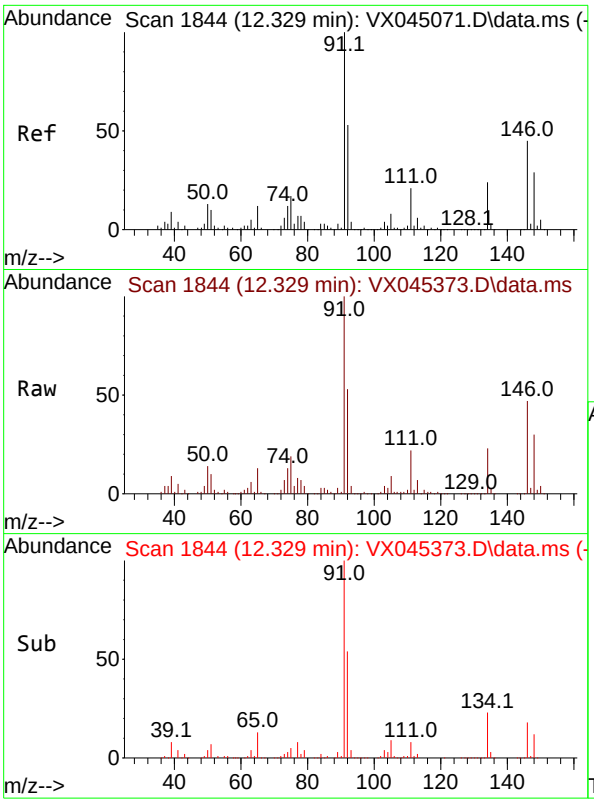


#88
1,4-Dichlorobenzene
Concen: 47.591 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 100604

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.2	60.5
148	63.9	31.9	95.9



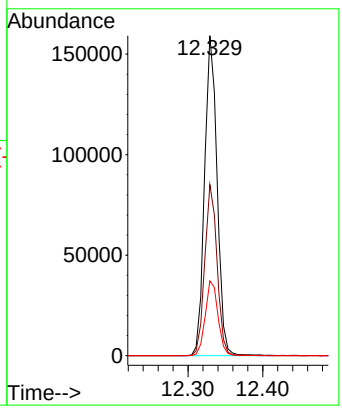


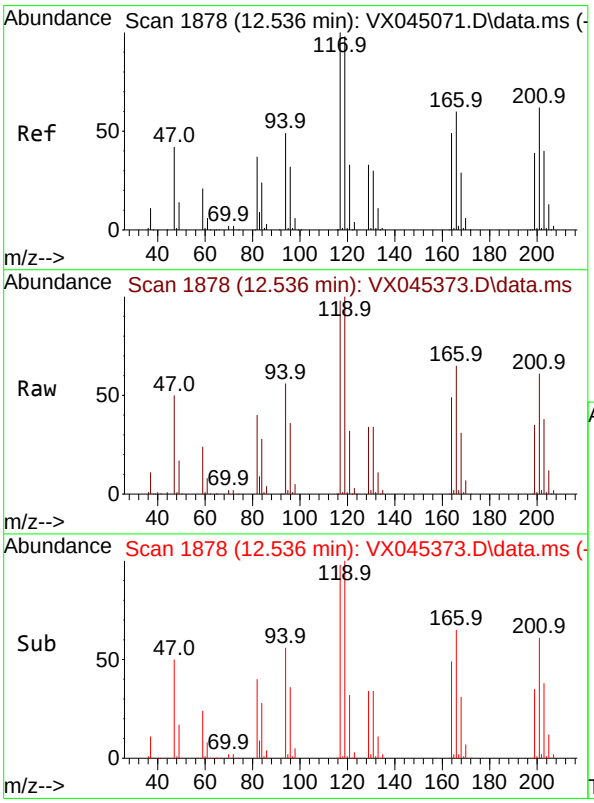
#89
n-Butylbenzene
Concen: 53.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 185400

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.8	12.2	36.6

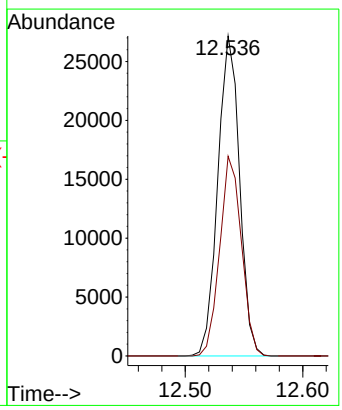


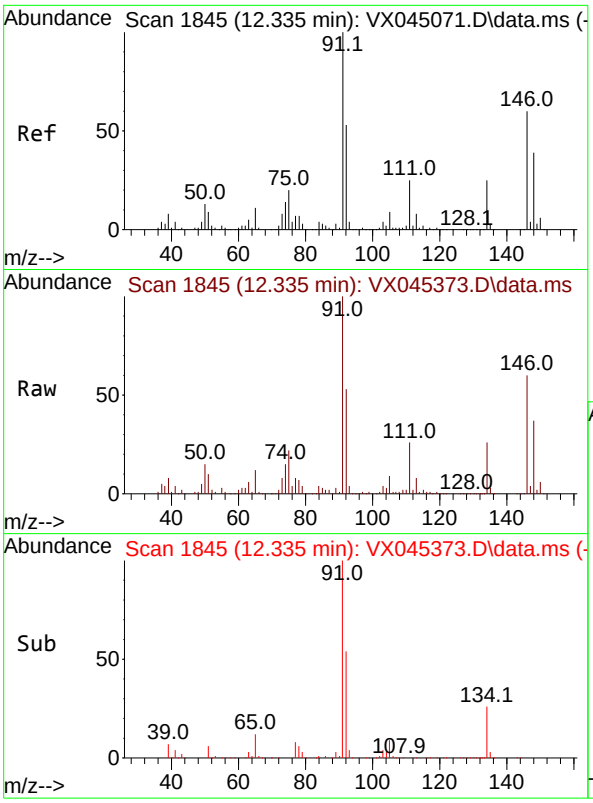


#90
Hexachloroethane
Concen: 48.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 34950

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9



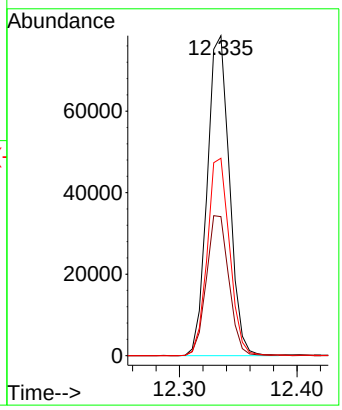


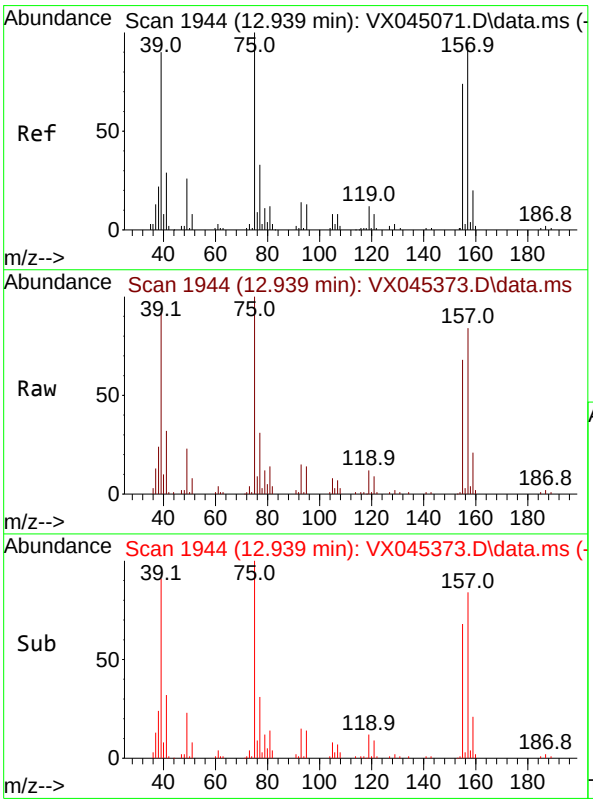
#91
1,2-Dichlorobenzene
Concen: 49.014 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 102736

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	65.0
148	62.3	31.9	95.9

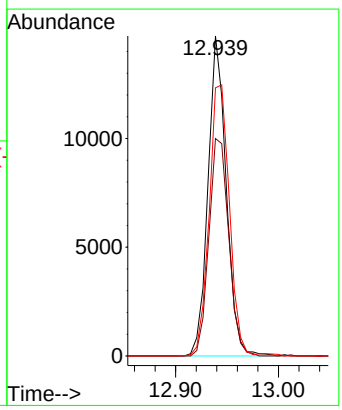


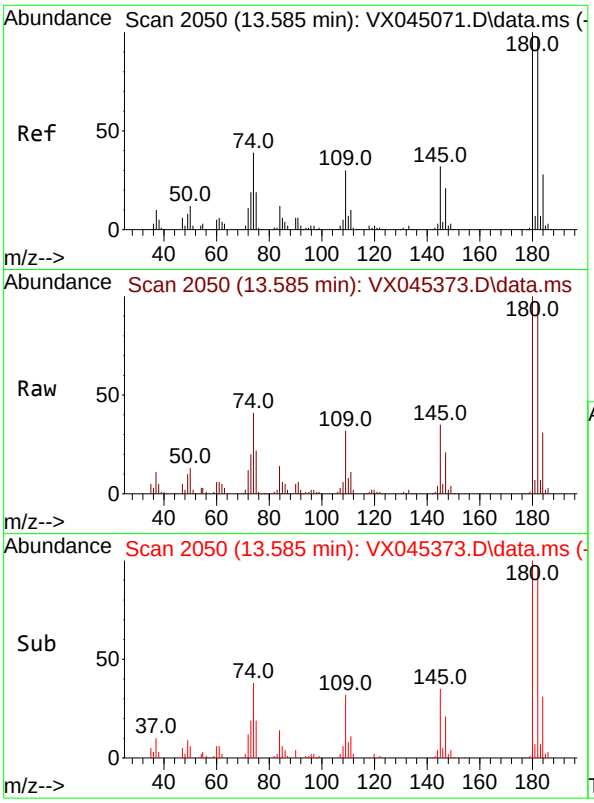


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.178 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 18163

Ion	Ratio	Lower	Upper
75	100		
155	73.7	39.6	118.7
157	93.8	51.1	153.4



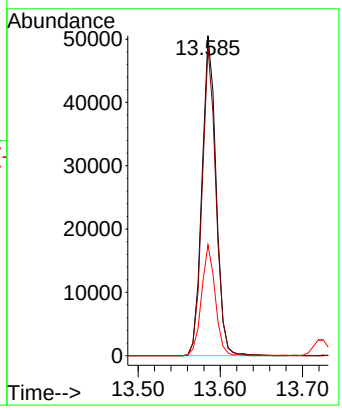


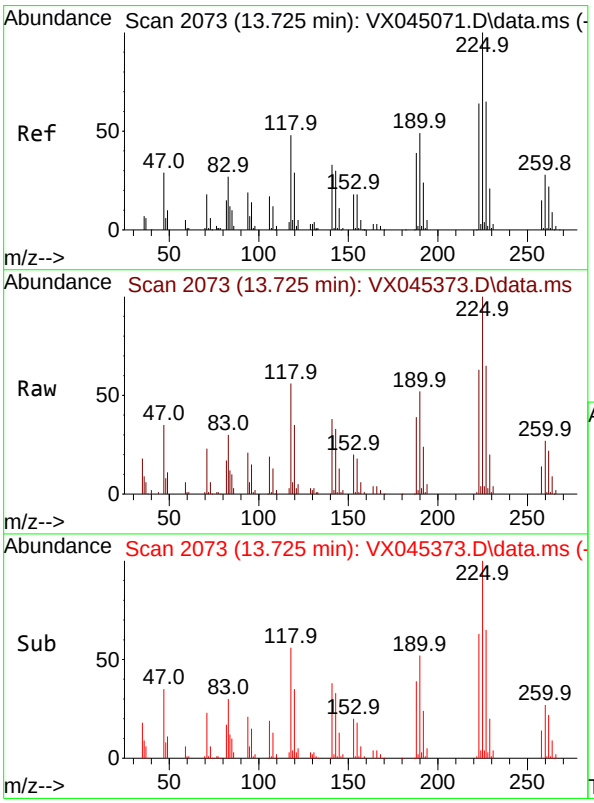
#93
1,2,4-Trichlorobenzene
Concen: 50.478 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 60246

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9

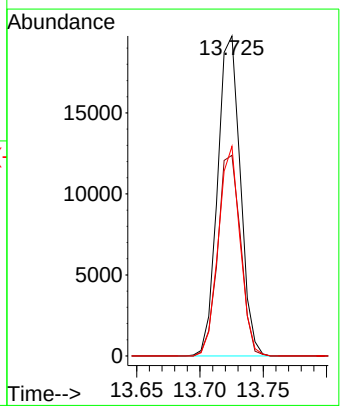


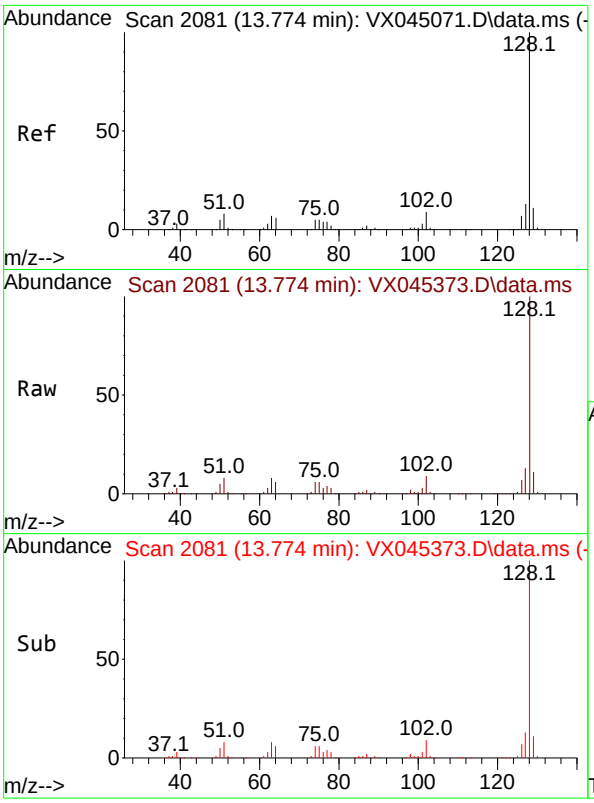


#94
Hexachlorobutadiene
Concen: 50.254 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:225 Resp: 24590

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.9	31.4	94.0



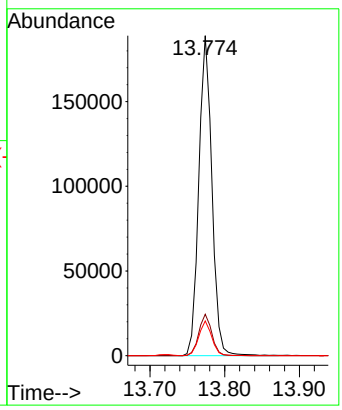


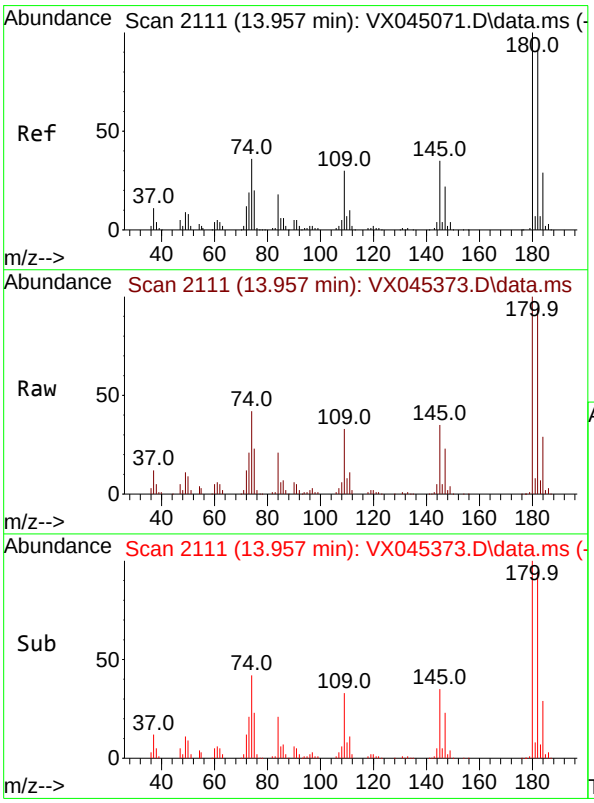
#95
Naphthalene
Concen: 49.996 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 229260

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 49.285 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 62054

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	35.3	17.0	50.9

